

SECTION 01 22 00 - UNIT PRICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for unit prices.
- B. Related Requirements:
 - 1. Division 01 Section "Allowances" for procedures using unit prices to establish values of labor and material allowances.
 - 2. Division 01 Section "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
 - 3. Division 01 Section "Quality Requirements" for field testing and inspecting by an independent testing agency.

1.3 DEFINITIONS

- A. Unit price is an amount incorporated in the Agreement, applicable during the duration of the Work as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.4 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, bonds, superintendence, labor, equipment, tools, applicable taxes, overhead, and profit.
- B. Change Orders: Where change in work requires the submission of a change order, work associated with Unit Prices shall be itemized appropriately on change order request.
- C. Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.
- D. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- E. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the Part 3 "Schedule of Unit Prices" Article contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

A. CONTRACT NO. 1 – GENERAL CONSTRUCTION

UNIT PRICE NO. 1-1 – BULK EARTH EXCAVATION, BY MACHINE, shall comprise the total cost per cubic yard for bulk earth excavation by machine. Perform all work in accordance with applicable requirements of Division 31 Section "Earthmoving." Remove excess material from site.

UNIT PRICE NO. 1-2 – TRENCH EARTH EXCAVATION, BY MACHINE, shall comprise the total cost per cubic yard for trench earth excavation by machine. Perform all work in accordance with applicable requirements of Division 31 Section "Earthmoving." Remove excess material from site.

UNIT PRICE NO. 1-3 – ROCK EXCAVATION, BY HAND, shall comprise the total cost per cubic yard for rock excavation by a worker using pneumatic vibrating chippers. Perform all work in accordance with applicable requirements of Division 31 Section "Earthmoving." Remove all excavated rock from site.

UNIT PRICE NO. 1-4 – ROCK EXCAVATION, BY RAM HAMMER, shall comprise the total cost per cubic yard for rock excavation using boom mounted, pneumatic, impact hammer equipment. Perform all work in accordance with applicable requirements of Division 31 Section "Earthmoving." Remove excavated rock from site.

UNIT PRICE NO. 1-5 – BULK FILL AND COMPACTION, shall comprise the total cost per cubic yard to provide and place bulk earth fill in 8-inch layers, and compacting each layer to 95% maximum density with mechanical tamping equipment. Perform all work in accordance with applicable requirements of Division 31 Section "Earthmoving."

UNIT PRICE NO. 1-6 – TRENCH FILL AND COMPACTION, shall comprise the total cost per cubic yard to provide and place earth fill at trenches in layers not exceeding 8 inches in loose depth, and compacting each layer to 98% maximum density with hand operated tamping equipment. Perform all work in accordance with applicable requirements of Division 31 Section "Earthmoving."

UNIT PRICE NO. 1-7 – OVER-EXCAVATION AND STRUCTURAL BACKFILL, shall comprise the total cost per cubic yard to provide excavation of unsuitable earth materials below footings and foundations and to backfill with structural fill material. Perform all work in accordance with applicable requirements of Division 31 Section "Earthmoving."

UNIT PRICE NO. 1-8 – SINKHOLE REMEDIATION, shall comprise the total cost per cubic yard to furnish and install sinkhole remediation in accordance with the sinkhole remediation detail on Drawing SP-3.

UNIT PRICE NO. 1-9 – PAVING, shall comprise the total cost per square yard to furnish and install 6 inches of aggregate base, 3 inches Superpave HMA Base Course, 2-1/2" Superpave HMA Binder Course, and 1-1/2 inches of Superpave HMA Wearing Course. Perform all work in accordance with applicable requirements of Division 32 Section "Asphalt Paving."

UNIT PRICE NO. 1-10 – PAVING OVERLAY, shall comprise the total cost per square yard to furnish and install 1-1/2-inch of ID-2 Superpave HMA course. Perform all work in accordance with applicable requirements of Division 32 Section "Asphalt Paving."

UNIT PRICE NO. 1-11 – MILLING, shall comprise the total cost per square yard to mill existing paved surfaces by use of machinery as specified in Division 32 Section "Asphalt Paving." All milled material shall be disposed of at an approved location.

UNIT PRICE NO. 1-12 – CONCRETE CURB (STRAIGHT), shall comprise the total cost per lineal foot to furnish and install straight concrete curbing as detailed on the drawings, including all formwork, reinforcing and finishing. Perform all work in accordance with applicable requirements of Division 03 Section "Cast-In-Place Concrete."

UNIT PRICE NO. 1-13 – CONCRETE CURB (RADIUS), shall comprise the total cost per lineal foot to furnish and install curved concrete curbing as detailed on the drawings, including all formwork, reinforcing and finishing. Perform all work in accordance with applicable requirements of Division 03 Section "Cast-In-Place Concrete."

UNIT PRICE NO. 1-14 – CONCRETE SIDEWALK, shall comprise the total cost per square foot to furnish and install 4-inch thick concrete sidewalk with 4-inch deep crushed stone base with minimum 6x6-W2.0 x W2.0 W.W.F. reinforcing and as detailed on the Drawings. Perform all work in accordance with applicable requirements of Division 03 Section "Cast-In-Place Concrete."

UNIT PRICE NO. 1-15 – REPLACE CONCRETE FLOOR SLAB-ON-GRADE, shall comprise the total cost per square foot to demolish, remove, and dispose existing concrete slab-on-grade and to furnish and install 4-inch reinforced concrete floor slab over 4 inches of crushed stone base with minimum 6X6-W1.4 X W1.4 W.W.F. reinforcing and vapor barrier and as detailed on the Drawings. Perform all work in accordance with applicable requirements of Division 03 Section "Cast-In-Place Concrete."

UNIT PRICE NO. 1-16 – CEMENTITIOUS UNDERLAYMENT, shall comprise the total cost per square foot to prepare slab surfaces and to furnish and install 3/16-inch average depth cementitious underlayment/leveling compound as specified in Division 03 Section "Hydraulic Cement Underlayment."

UNIT PRICE NO. 1-7 – RAKE AND REPOINT EXISTING BRICK VENEER, shall comprise the total cost per square foot to rake, repoint and clean existing brick masonry veneer as specified in Division 04 Section "Masonry Restoration and Cleaning".

UNIT PRICE NO. 1-18 – RAKE AND REPOINT EXISTING MASONRY UNIT VENEER, shall comprise the total cost per square foot to rake, repoint and clean existing masonry units as specified in Division 04 Sections "Masonry Repair" and "Masonry Cleaning."

UNIT PRICE NO. 1-19 – REMOVE, CLEAN AND REINSTALL EXISTING MASONRY UNIT VENEER, shall comprise the total cost per square foot to remove existing brick and masonry units, remove the existing mortar and prepare existing masonry units for reinstallation and reinstall the existing masonry units in a 2-foot x 2-foot sections in accordance with Division 04 Section "Masonry Repair."

UNIT PRICE NO. 1-20 – MASONRY SEALING, shall comprise the total cost per 100 square feet to clean existing brick and masonry veneer and to apply water-repellant coating as specified in Division 07 Section "Water Repellants".

UNIT PRICE NO. 1-21 – FIRESTOPPING AT DECK, shall comprise the total cost per lineal foot (assume walls to be 12 inches wide) to furnish and install firestopping at roof or floor deck as indicated on typical details 2/A-22 and 3/A-22 for up to a 2-hour fire rating and in accordance with all applicable requirements as specified in applicable Division 07 Sections for Joint and Penetration Firestopping.

UNIT PRICE NO. 1-22 – PENETRATION FIRESTOPPING, shall comprise the total cost per square foot (assume walls to be 12 inches thick) to furnish and install penetration and joint firestopping at wall voids around ducts, piping, conduits, sleeves, miscellaneous penetrations, etc. as indicated on typical detail 3/A-24 for up to a 2-hour fire rating and in accordance with all applicable requirements as specified in applicable Division 07 Sections for Joint and Penetration Firestopping.

UNIT PRICE NO. 1-23 – FIRESTOPPING INFILL, shall comprise the total cost per square foot (assume walls to be 12 inches thick) to furnish and install firestopping at large wall voids as indicated on typical details 1/A-24 for up to a 2-hour fire rating and in accordance with all applicable requirements as specified in applicable Division 07 Sections for Joint and Penetration Firestopping.

UNIT PRICE NO. 1-24– DOOR, FRAME AND HARDWARE, shall comprise the total cost per door opening to furnish and install one Type "N-2" door with one type "HM-1" Frame, and hardware as specified in hardware Mark 7 and as specified in Division 08 Section "Door Hardware."

UNIT PRICE NO. 1-25 – EPOXY TERRAZZO REPAIR, shall comprise the total cost per square foot to carefully demolish/remove cracked/failed existing terrazzo and to furnish and install new 3/8-inch thick thinset epoxy terrazzo floor including all associated floor preparation, adhesives, accessories, etc., and as specified in Division 09 Section "Terrazzo Flooring."

UNIT PRICE NO. 1-26 – ACOUSTICAL TILE CEILING TYPE-1, shall comprise the total cost per square foot to furnish and install Type 1, 2'x2' or 2'x4' mineral fiber acoustical tile ceiling panels, grid, hangers and accessories as specified in Division 09 Section "Acoustical Panel Ceilings."

UNIT PRICE NO. 1-27 – ACOUSTICAL TILE CEILING TYPE-2, shall comprise the total cost per square foot to furnish and install Type 2, 2'x4' ceiling panels, grid, hangers and accessories as specified in Division 09 Section "Acoustical Panel Ceilings."

UNIT PRICE NO. 1-28 – ACOUSTICAL TILE CEILING TYPE-3, shall comprise the total cost per square foot to furnish and install Type 3, 2'x4' ceiling panels, grid, hangers and accessories as specified in Division 09 Section "Acoustical Panel Ceilings."

UNIT PRICE NO. 1-29 – QUARRY TILE FLOOR, shall comprise the total cost per square foot to furnish and install quarry floor tile (TCA-F112 Cement Mortar bed and Epoxy Grout) as specified in Division 9 Section "Ceramic Tiling."

UNIT PRICE NO. 1-30 – GLAZED WALL TILE ON MASONRY (MORTAR BED), shall comprise the total cost per square foot to furnish and install 4-1/4-inch x 4-1/4-inch glazed wall tile on concrete block walls (TCA-W222, one coat method) as specified in Division 9 Section "Ceramic Tiling."

UNIT PRICE NO. 1-31 – GLAZED WALL TILE ON MASONRY (THINSET), shall comprise the total cost per square foot to furnish and install 4-1/4-inch x 4-1/4-inch glazed wall tile on gypsum wallboard walls (TCA-W202I thinset mortar) as specified in Division 9 Section "Ceramic Tiling."

UNIT PRICE NO. 1-32– LUXURY VINYL TILE FLOOR, shall comprise the total cost per square foot to furnish and install the base bid luxury vinyl composition tile flooring, including slab preparation and cementitious underlayment/leveling compound as specified in Division 09 Section "Resilient Tile Flooring."

UNIT PRICE NO. 1-33 – COVE BASE, shall comprise the total cost per lineal foot to furnish and install 4-inch high continuous SBR base, including adhesive and substrate preparation and as specified in Division 09 Section "Resilient Base and Accessories."

UNIT PRICE NO. 1-34 – CARPET, shall comprise the total cost per square yard to furnish and install Tile by Interface Flooring including necessary accessories, slab preparation and patching/leveling compound, as specified in Division 09 Section "Tile Carpeting."

UNIT PRICE NO. 1-35 – DRYFALL PAINT, shall comprise the total cost per square foot to paint exposed ceilings and structure with dryfall paint as specified in Division 09 Section "Painting and Finishing."

UNIT PRICE NO. 1-36 – LATEX PAINT ON MASONRY WALLS, shall comprise the total cost per square foot to paint masonry or concrete walls with block filler and acrylic latex paint as specified in Division 09 Section "Painting and Finishing."

UNIT PRICE NO. 1-37 – LATEX PAINT ON GWB WALLS, shall comprise the total cost per square foot to paint gypsum wallboard and acrylic latex paint as specified in Division 09 Section "Painting and Finishing."

UNIT PRICE NO. 1-38 – TACKBOARD, shall comprise the total cost per unit to remove and dispose of existing tackboard and replace with a new 4' high x 6' long unit as specified in in Division 10 Section "Visual Display Surfaces."

UNIT PRICE NO. 1-39 – MARKERBOARD, shall comprise the total cost per unit to remove and dispose of existing markerboard and replace with a new 4' high x 8' long unit as specified in in Division 10 Section "Visual Display Surfaces."

CONTRACT NO. 2 – PLUMBING CONSTRUCTION

UNIT PRICE NO. 2-1 – 3/4-inch TYPE L COPPER TUBING, shall comprise the total cost per lineal foot to furnish and install 3/4-inch Type L drawn copper tube with insulation as indicated on the Drawings and in accordance with applicable requirements of Division 22 Sections of the Specifications.

UNIT PRICE NO. 2-2 – 2-inch TYPE L COPPER TUBING, shall comprise the total cost per lineal foot to furnish and install 2-inch Type L drawn copper tube with insulation as indicated on the Drawings and in accordance with applicable requirements of Division 22 Sections of the Specifications.

UNIT PRICE NO. 2-3 – 4-inch CAST IRON SOIL PIPE, shall comprise the total cost per lineal foot to furnish and install 4-inch cast iron soil pipe installed below grade as indicated on the Drawings and in accordance with applicable requirements of Division 22 Sections of the Specifications.

UNIT PRICE NO. 2-4 – 4-inch RAIN WATER PIPE, shall comprise the total cost per lineal foot to furnish and install 4-inch pipe, insulation, hangers, fittings, etc., as indicated on the Drawings and in accordance with applicable requirements of Division 22 Sections of the Specifications.

UNIT PRICE NO. 2-5 – 1-inch BALL VALVE IN EXISTING PIPING, shall comprise the total change in cost to provide one 1-inch ball valve in existing copper piping in accordance with applicable requirements of Division 22 Sections of the Specifications.

UNIT PRICE NO. 2-6 – 2-inch BALL VALVE IN EXISTING PIPING, shall comprise the total change in cost to provide one 2-inch ball valve in existing copper piping in accordance with applicable requirements of Division 22 Sections of the Specifications.

UNIT PRICE NO. 2-7 – 1-inch BALL VALVE IN NEW PIPING, shall comprise the total change in cost to provide one 1-inch ball valve in new copper piping in accordance with applicable requirements of Division 22 Sections of the Specifications.

UNIT PRICE NO. 2-8 – 2-inch BALL VALVE IN NEW PIPING, shall comprise the total change in cost to provide one 2-inch ball valve in new copper piping in accordance with applicable requirements of Division 22 Sections of the Specifications.

UNIT PRICE NO. 2-9 – 1-inch INSULATION ON EXISTING 4-inch RAINWATER PIPING, shall comprise the total change in cost per linear foot to furnish and install 1-inch mineral fiber insulation on an existing 4-inch rainwater conductor in accordance with applicable requirements of Division 22 Sections of the Specifications.

CONTRACT NO. 3 – HVAC CONSTRUCTION

UNIT PRICE NO. 3-1 – 24-INCH x 24-INCH LAY-IN DIFFUSER, shall comprise the total cost to furnish and install one (1), 24-inch x 24-inch Lay-in diffuser as indicated on the Drawings and in accordance with applicable requirements of Division 23 Sections of the Specifications.

UNIT PRICE NO. 3-2 – 24-INCH x 24-INCH GRID CORE GRILLE, shall comprise the total cost to furnish and install one (1), 24-inch x 24-inch grid core grille as indicated on the Drawings and in accordance with applicable requirements of Division 23 Sections of the Specifications.

UNIT PRICE NO. 3-3 – 4-inch SHUTOFF VALVE IN EXISTING CHILLED WATER PIPING, shall comprise the total cost per valve to furnish and install one 4-inch valve in existing chilled water piping. Unit cost shall include cutting and re-grooving existing pipe as required in accordance with applicable requirements of Division 23 Sections of the Specifications.

UNIT PRICE NO. 3-4 – 1-inch SHUTOFF VALVE IN EXISTING CHILLED WATER PIPING, shall comprise the total change in cost to furnish and install one 1-inch shutoff valve in existing copper chilled water piping in accordance with applicable requirements of Division 23 Sections of the Specifications.

UNIT PRICE NO. 3-5 – 2-inch CHILLED WATER PIPING, shall comprise the total cost per lineal foot to furnish and install chilled water piping, insulation, hangers, fittings, etc., as indicated on the Drawings and in accordance with applicable requirements of Division 23 Sections of the Specifications.

UNIT PRICE NO. 3-6 – 4-inch CHILLED WATER PIPING, shall comprise the total cost per lineal foot to furnish and install 4-inch chilled water piping, insulation, hangers, fittings, etc., as indicated on the Drawings and in accordance with applicable requirements of Division 23 Sections of the Specifications.

UNIT PRICE NO. 3-7 – 12-INCH x 12-INCH VOLUME DAMPERS, shall comprise the total cost to furnish and install one (1), 12-inch x 12-inch Volume Damper as indicated on the Drawings and in accordance with applicable requirements of Division 23 Sections of the Specifications.

UNIT PRICE NO. 3-8 – 24-INCH x 16-INCH 1-1/2 HOUR RATED FIRE DAMPER, shall comprise the total cost to furnish and install one (1), 24-inch x 16-inch 1-1/2 hour rated fire damper as indicated on the Drawings and in accordance with applicable requirements of Division 23 Sections of the Specifications.

UNIT PRICE NO. 3-9 – RECTANGULAR, INSULATED SUPPLY DUCTWORK, shall comprise the total cost per pound to furnish and install supply ductwork, insulation (internal or external), hangers, fittings, etc. for typical ductwork indicated on the Drawings and in accordance with applicable requirements of Division 23 Sections of the Specifications.

UNIT PRICE NO. 3-10 – DIGITAL TEMPERATURE SENSOR, shall comprise the total cost to furnish and install one (1), digital temperature sensor and integrated to the HVAC controls system as indicated on the Drawings and in accordance with applicable requirements of Division 23 Sections of the Specifications.

UNIT PRICE NO. 3-11 – 1-inch CONTROL VALVE ON EXISTING TERMINAL UNIT, shall comprise the total cost to furnish and install one (1), 1-inch, 2-way heating control valve installed on an existing hot water terminal heating unit, installed in existing piping, and integrated to the HVAC controls system as indicated on the Drawings and in accordance with applicable requirements of Division 23 Sections of the Specifications.

UNIT PRICE NO. 3-12 - CONTAMINATED SOIL REMOVAL, shall comprise the total cost for labor, equipment, material, and overhead to provide the removal and legal disposal per cubic yard of contaminated soil as indicated on the Drawings and in accordance with applicable requirements of Division 23 Sections of the Specifications.

UNIT PRICE NO. 3-13 – SOIL TEST, shall comprise the total cost per test to provide testing of contaminated soil as indicated on the Drawings and in accordance with applicable requirements of Division 23 Sections of the Specifications.

CONTRACT NO. 4 – ELECTRICAL CONSTRUCTION

UNIT PRICE NO. 4-1 – DATA OUTLET, shall comprise the total cost for labor, material, equipment and overhead to furnish and install one (1) outlet box, Cat. 6 data jack, cover plate, 15 feet of 1-inch conduit to above accessible ceiling, 300 feet of plenum rated category 6 data cable, terminations at both workstation and wiring closet ends, and testing in accordance with Division 27 specifications.

UNIT PRICE NO.4- 2 – POWER OUTLET, shall comprise the total cost for labor, material, equipment and overhead to furnish and install one (1) outlet box, 125 volt, 20 amp specification grade duplex receptacle, stainless steel faceplate and 200 feet of 2 #12 & 1 #12 grd.- 3/4-inch conduit, in accordance with applicable requirements of Division 26 Sections of the Specifications.

UNIT PRICE NO. 4-3 – OCCUPANCY SENSOR, shall comprise the total cost for labor, material, equipment and overhead to furnish and install one (1) ceiling mounted dual technology occupancy sensor, 150' of plenum rated low voltage wiring terminations and system programing, in accordance with applicable requirements of Division 26 Sections of the Specifications.

UNIT PRICE NO. 4-4 – TYPE "A1" LIGHT FIXTURES, shall comprise the total cost for labor, material, equipment, and overhead to furnish and install one (1) Type "A1" light fixture, junction box, plate, driver, 30 feet of 2#12 and 1#12 ground – 3/4-inch conduit wired to an adjacent circuit where adjacent lights are wired in accordance with applicable requirements of Division 26 Section of the Specifications.

UNIT PRICE NO. 4-5 – TYPE "B" LIGHT FIXTURES, shall comprise the total cost for labor, material, equipment, and overhead to furnish and install one (1) Type "B" light fixture, junction box, plate, driver, 30 feet of 2#12 and 1#12 ground – 3/4-inch conduit wired to an adjacent circuit where adjacent lights are wired in accordance with applicable requirements of Division 26 Section of the Specifications.

UNIT PRICE NO. 4-6 – EXIT SIGN, shall comprise the total cost for labor, material, equipment and overhead to furnish and install one (1) lighted exit sign (Type "E1" fixture), and 100 feet of 2 #12 & 1 #12 grd.- 3/4-inch conduit, in accordance with applicable requirements of Division 26 Sections of the Specifications.

UNIT PRICE NO. 4-7 – WALL MOUNTED FIRE ALARM VISUAL APPLIANCE, shall comprise the total cost for labor, material, equipment and overhead to furnish and install one (1) outlet box/multi-candela fire alarm visual appliance, and 100 feet of 2 #14- 3/4-inch conduit, in accordance with applicable requirements of Division 28 Sections of the Specifications.

UNIT PRICE NO. 4-8 – CEILING MOUNTED FIRE ALARM AUDIBLE APPLIANCE, shall comprise the total cost for labor, material, equipment and overhead to furnish and install one (1) outlet box/fire alarm audio speaker with adjustable taps, and 100 feet of 2 #14- 3/4-inch conduit, in accordance with applicable requirements of Division 28 Sections of the Specifications.

UNIT PRICE NO. 4-9 – CEILING MOUNTED FIRE ALARM AUDIBLE/VISUAL APPLIANCE, shall comprise the total cost for labor, material, equipment and overhead to furnish and install one (1) outlet box/fire alarm audio/visual devices with adjustable speaker taps, and 100 feet of 2 #14- 3/4-inch conduit, in accordance with applicable requirements of Division 28 Sections of the Specifications.

UNIT PRICE NO. 4-10 – FIRE ALARM SMOKE DETECTOR, shall comprise the total cost for labor, material, equipment and overhead to furnish and install one (1) outlet box, ceiling mounted fire alarm smoke detector, and 100 feet of plenum rated fire alarm cable, in accordance with applicable requirements of Division 28 Sections of the Specifications.

UNIT PRICE NO. 4-11 – IP LOUDSPEAKER ASSEMBLY, shall comprise the total cost for labor, material, equipment and overhead to furnish and install one (1) ceiling mounted classroom IP speaker assembly with recessed back box, and data outlet (included within this unit price) with 300' CAT 6 cable, terminations and testing, in accordance with applicable requirements of Division 27 Sections of the Specifications.

UNIT PRICE NO. 4-12 – WIRELESS CLOCK, shall comprise the total cost for labor, material, equipment and overhead to furnish and install one (1) classroom analog clock assembly, recessed back box, 125 volt, 20 amp specification grade receptacle, stainless steel faceplate and 100 feet of 2 #12 & 1 #12 grd.- 3/4-inch conduit receptacle, in accordance with applicable requirements of Division 26 and 27 Sections of the Specifications.

END OF SECTION 01 22 00