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AMERICAN SMELTING AND REFINING COMPANY

MINING DEPARTMENT



ORE TESTING AND
ASSAY LABORATORY
TELEPHONE 532-7917

G. G. GUNTHER, SUPERINTENDENT

P. O. BOX 895
EL PASO, TEXAS

Feb. 21, 1962

Ponsford Bros.
914 E. Missouri
El Paso, Texas

Gentlemen:

We desire that you furnish us with a bid for extending 22' 8" to the north the west wing of the Asarco laboratory, which is located within the El Paso Smelting Co. property.

The following general specifications and specific items will apply.

All general specifications applying to the original construction with regard to excavation, concrete, structural steel, masonry and glass work, roofing, roof insulation, carpentry, painting and electrical work.

The following specific items with the exception of the Carrier refrigeration Units will be furnished by you.

One 3'4" fireproof door on the south-east corner of the addition.

One 4' x 4' concrete loading platform in front of said door with concrete steps to ground level.

Eight Slimline fluorescent light fixtures 4' long 4-36W (48T-12) or similar in two rows equally spaced across the 40 ft. width of the building.

Two 25,000 B.P.U. Modine gas heaters with thermostats located adjacent to and at the opposing sides of the 22 ft. east and west side walls and suspended from the ceiling so that they blow parallel to the north and south walls.

Two 3/4 ton Carrier refrigeration Units (16 x 28 in.) will be placed one each in the center of the panels at a height of 4 cinder blocks above the floor. Adequate steel plate or angle iron reinforcing will be required on the top side of the opening for the refrigeration Units.

PLAINTIFF'S EXHIBIT

ASA-1027

ASARCO ELP 0001305

The concrete floor will be covered with Vinyl asbestos tile of same color and specifications as that in other parts of the building if such can be obtained but such should be at least equivalent in grade to that previously supplied.

The ceiling will be covered with 12 x 12 x 1/2 in. acoustical perforated tile cemented to gypsum board and secured according to the original specification for such ceilings.

The present exterior north wall will upon becoming an interior wall be filled between foundation pillars with 14" cinder block to give a solid surface flush with the pillar surfaces.

The present existing slag and cupel recovery bin is to be torn down and reassembled as is at a designated spot in the patio.

West side drainage of the patio area will be abandoned and the east side drainage area will be lowered sufficiently to give east side drainage of the entire patio area.

Electrical service will be obtained from an existing 30 or 60 ampere switch in room 19. Wiring to be adequate for the lighting load and 3 - 3/4 ton Carrier refrigeration Units. Wiring to be in rigid or flexible metallic conduit with rigid conduit to be used where conduit is visible. All conduit, switches and outlets to be concealed wherever possible.

Each bank of fluorescent lights to have a separate switch.

One single phase 3 wire grounding type 125 volt 15 ampere duplex parallel blade receptacle (Hubble No. 5242) and one single phase 3 wire grounding type 250 volt 15 ampere single tandem blade receptacle (Hubble No. 5661) shall be installed for each refrigeration Unit, adjacent to said Unit in the north wall panels. Service also to be provided for 2 G-25 110 volt Modine space heaters controlled by thermostats.

The electrical system in the building is an ungrounded system and conduit or ground must not be used to complete any circuit.

Submitted by:

R. J. Mellen for
Cia. Minera Asarco

GENERAL SPECIFICATIONS

AMERICAN SMELTING AND REFINING COMPANY
EXTENSION TO ASSAY OFFICE AND EXPERIMENTAL LABORATORY BUILDING,
EL PASO, TEXAS

PONSFORD BROTHERS, GENERAL CONTRACTORS

GENERAL

These specifications are supplementary to owner's request for bids dated February 21, 1962. It is intended that these supplementary specifications should clarify the particular materials to be furnished and the work to be performed.

EXCAVATION

Excavate for building footings to minimum depth of 2'0". Grade 5'0" around building to drain away from structure. Fill and compact under concrete floor in 6" layers.

CONCRETE

Concrete throughout building to be 2,500 lb test in 28 days. Concrete floors to be 4" thick and to be reinforced with 6" x 6" No. 10 gauge welded wire mesh. All concrete footings, foundation walls, grade beams, lintels, tiebeams, and columns to be reinforced with standard deformed reinforcing bars securely tied in place. Concrete splash-block at the downspout. Face of exposed concrete to be rubbed to a smooth finish. One 4' x 4' concrete loading platform in front of the door with concrete steps to the ground level.

STRUCTURAL STEEL AND STEEL DECK

Trussed steel joists to be placed on 6' 8" centers and to be standard construction clear-span joists with roof slope to outside wall. To be the same as the joists in the existing building. Bottom of steel joists to be 10'0" above floor. Steel decking to be 22 gauge ribbed decking as manufactured by Airtherm Manufacturing Co., each sheet to be 24" wide and 20'2" long, spot-welded in place as recommended by manufacturer.

MASONRY AND GLASS BLOCK

Atlas Cinder-Concrete masonry units to be 4" and 8" thick. Masonry pilasters to be Atlas C-2 and C-3 hollow pilaster blocks laid flush with inside walls. All pilasters to receive reinforcing bars and to be filled with concrete thoroughly rodded. Sills to be Atlas sill units. All masonry units to be laid up with Richmortar. Vertical joints on either side of pilasters to be laid dry and caulked both sides to compensate for temperature changes. Steel masonry reinforcing installed every third course. Half Bull-Nose Atlas blocks to be used as coping on parapet wall. The present exterior north wall will, upon becoming an interior wall, be filled between foundation pillars with 4" cinder block to give a solid surface flush with the pillar surfaces. Clean wall surfaces to receive paint.

Standard Pittsburgh-Corning Argus 7 3/4" x 7 3/4" glass blocks laid up in Richmortar with expansion strips against masonry and steel reinforcing wall ties every third course. Glass blocks to be continuous from 5'4" to 8'8" above floor and to within 16" of doors and pilasters.

ROOFING, ROOF INSULATION AND GENERAL SHEET METAL

Vapor barrier of one ply of 15 lb felt to be mopped to the steel roof deck below 1/2" fiber roof insulation and the roof insulation mopped to the vapor barrier. Mop on 4 plies of 15 lb felt and cover with gravel. Use asbestos base flashing and galvanized counter flashing at all parapet walls. Joans-Manville roof, 20-year specification with 10-year applicator's guarantee and with flashing endorsement.

CAULKING

Caulk all exterior openings with elastic non-staining caulking compound.

STEEL DOOR AND FRAME

The exterior swing door frame to be "Amweld", or equal, 16 ga steel. The exterior door on the south-east corner of the addition to be 3'4" wide, fireproof, "Amweld", or equal, hollow metal flush type. Door to have heavy duty cylinder lock.

FLOOR COVERING

9" x 9" x 1/8" thick Vina-Lux Reinforced Vinyl Tile, Santa Fe V-333, or equal, and 4" high rubber base cove, Fremont,

Brown, #CB47 to be installed. Color and weight of tile and base cove to be the same as that installed in existing building.

ACOUSTICAL AND GYPSUM BOARD CEILING, CEILING INSULATION

Acoustic tile, 12" x 12" x 1/2" thick random perforated fiber tile cemented to gypsum board as scheduled. Ceiling to be finished as follows: 1 1/2" runner channels to be secured to steel joists at 4'0" centers, 3/4" nailer channels secured to runner channels at 2'0" centers, 1/2" gypsum board nailed on 6" centers to nailer channels. 4" thick mineral wool insulation batts to be placed on all finish ceilings.

PAINTING

Exterior walls - one coat waterproof block filler and one coat of Vinyl base masonry paint.

Exterior steel door - two coats lead-in-oil paint.

Interior masonry and concrete walls - two coats vinyl base masonry paint.

Interior metal - two coats of semi-gloss enamel.

Ceilings of acoustical tile not painted.

All colors to match color scheme of existing laboratory.

PLUMBING

All plumbing and gas fired heaters to be furnished and installed in accordance with Building Codes of the City of El Paso.

Two 25000 BTU Modine Gas Heaters with thermostats to be located adjacent to and at the opposing sides of the 22 foot east and west side walls and suspended from the ceiling so that they blow parallel to the north and south walls. Vent all unit heaters in accordance with El Paso Building Code.

The gas supply line to take off from the gas line above the present gas meter and to be installed adjacent to the inside of the roof parapet. The gas line to extend across the existing roof to the new addition. Cut off valve to be installed at the point where the new gas line is connected.

COOLING

Two 3/4 ton Carrier refrigeration units, 16" x 28", supplied by American Smelting and Refining Company, to be placed one each in the center of the panels at a height of 4 cinder blocks above the floor. Adequate steel plate or angle iron reinforcing will be required on the top side of the openings for the refrigeration units.

LIGHTING

Eight Slim-line fluorescent light fixtures 4' long 4-36w (48 T-12) or similar in two rows equally spaced across the 40 ft width of the building.

ELECTRICAL

Service will be obtained from customer's 30 or 60 ampere switch in room 19. Wiring to be adequate for the lighting load and for 3 - 3/4 ton refrigeration units. Distribution panel board to be installed behind the door on the inside north wall. Panel to have circuit breakers for each of the two lighting circuits, each airconditioner circuit and the base outlet circuit. Wiring to be in rigid or flexible metallic conduit with rigid conduit to be used where conduit is visible. All conduit, panel box, switch and outlet boxes to be concealed wherever possible.

Each bank of fluorescent lights to have a separate switch.

One single phase 3 wire grounding type, 125 volt, 15 amperes duplex parallel blade receptacle, and one single phase 3 wire grounding type 250 volt, 15 ampere single tandem blade receptacle shall be installed for each refrigeration unit (2) adjacent to said unit in the north wall panels and 12" to 15" above the floor. Service also to be provided for 2 G-25, 110 volt Modine space heaters controlled by thermostats. One base outlet to be installed on the north side of the door 12" to 15" above the floor and directly below the switches.

The electrical system in the building is an un-grounded system and conduit or ground must not be used to complete any circuit.

MISCELLANEOUS

West side drainage of the patio area will be abandoned and the east side drainage area will be lowered

sufficiently to give east side drainage of the entire patio area.

The present existing slag and cupel recovery bin is to be torn down and rebuilt in its present form at a designated spot in the patio.

Construction of entire addition to match, and blend in with, existing building in all details, inside and outside.