

ITEM "B"

AS-BUILT

GENERAL SPECIFICATIONS

EARTH WORK

1. Test of site soil for design purposes.
2. Preliminary work such as, removal of top 4" soil, project surveying and plotting.
3. Compaction of natural ground to 90% Proctor, 10" of compacted imported material to 95% Proctor.

EXTERIOR WORK

1. Landscaping (See drawings).

FOUNDATION

1. Excavation of finished platform.
2. Cast in place isolated shallow footings (see drawing).
3. Back fill and compaction of finished footing.

STEEL STRUCTURE

1. U.S. imported pre engineered, prefabricated steel structure, able to withstand the following sustained loads:

| | |
|---------------------|--------|
| wind loads... | 95 mph |
| roof live loads... | 20 pfs |
| frame live loads... | 12 pfs |
| aux. loads... | 3 pfs |
2. Installation and painting with two coats of white non-rust enamel paint.

EXTERIOR WALLS

1. Concrete block with stone finish, reinforced with $f_y=40,000$ psi #3 steel rebar @1.75" with a interior water seal membrane. Side walls and back wall of building from bottom of concrete floor level to 8' 10-5/16" high and from bottom of concrete floor level to 19' high on front wall.
2. High side wall has expansion preparation.

3. Reinforced 6" concrete block wall with stone finish exterior face and smooth mortar finish on interior face. (sides, and front of office; production back wall is pre cast concrete)
4. Two coats of interior latex paint on inside face and outside face (see drawings).
5. Exterior 26 Ga. color galvalum sheet metal wall with 3" of fiberglass insulation from 8'-10 5/16" above floor level to roof line on sides and back walls of building with 5% of wall translucent panels.

ROOF DECK

1. 26 gauge GALVALUM deck.
2. Three inches of fiberglass insulation sandwiched between the steel deck and a galvanized (or nylon) wire mesh.

CONCRETE FLOORS

1. Five inch fc=3000 psi concrete slab, reinforced with 6x6x6 electrowelded steel mesh.
2. Controlled cracking @15', and cold joints @ 12'.

SIDE WALKS

1. Three feet wide and 4' thick walkway all perimeter of building.

RAMPS

1. One ramp able to functionally accommodate 2 tractor trailers.
2. Two 6'x6' Electromechanical levelers complete with bumpers.
3. Two hand operated rolling overhead doors 8'x10'.
4. One rain water and sediment catch basin complete with an automatic sump pump and cover grid.
5. One 12' X 14' chain operated rolling overhead door for floor level access to building.

REST ROOMS

1. Complete hydraulic and sanitary piping according to design.
2. Cinder block unit construction, completely covered with Lamosa tile (or Similar), color is governed by architectural design.
3. White elongated Lamosa toilets (or similar) with Sloan flush valves (or similar) and solid seat covers.
4. Tile covered block side partitions with aluminum door partitions in toilets (or similar).
5. White Lamosa urinals with Sloan flush valves (or similar).
6. White Lamosa 19" Ovalin lavatories (or similar).

7. Tile Covered reinforced concrete vanities in production area, color is subject to interior design.
8. Wood vanities in office area.

OFFICE

1. Interior steel frame sheet rock office partitions.
2. Nine foot high acoustic suspended ceiling (2'x4' grid).
3. Two coats of interior latex paint on textured finished walls.
4. Interceramic office line (or similar) ceramic tile 12" X12" floor.
5. Four inch wood base board throughout office.

DOORS

1. Emergency: commercial grade hollow metal doors, including panic door locks and hardware.
2. Interior office: hollow core wood doors including locks and hardware.
3. Interior office rest room: hollow wood doors with privacy locks and hardware.
4. Interior production to office, cafeteria: hollow metal door with passage locks and hardware.
5. Main entrance: Anodized aluminum stile door and frame with glass and dead bolt hardware.

WINDOWS

1. Interior: Anodized aluminum fixed frames and glass 1/8".
2. Exterior: Anodized aluminum fixed frames with double pain 1/4" clear-tinted anti ray glass.

PARKING AND MANEUVERING AREA

1. Eight inches of compacted base material to 95% Proctor.
2. Parking lot to accommodate 10 cars. (1 1/2" asphalt).
3. Dove chest curves on parking and maneuvering area.

HYDROPNEUMATIC SYSTEM

1. One 1 hp hydropneumatic pump with a 40 gallon tank, and an automatic pressure switch.
2. One 3000 lt.. under ground cistern with manhole.

ELECTRICITY

1. One 75 KVA substation with transformer (13200/440/220 Volt 3 ph.), and main switchboard.
2. Exterior illumination system consisting of 3-400 watt luminaries.
3. Emergency lighting system for office area, consisting of 7 incandescent luminaries with rechargeable battery packs (120 volts).
4. Production area bathroom lighting system consisting of 4/40watt fluorescent drop in lamps able to produce 30 foot candle intensity.
5. Thirty five current outlets (120 volts) in office area.
6. One metal halide illumination system consisting of 400 watt luminaries able to produce 25 foot candle intensity in production.
7. One fluorescent 4/40 watt drop in lamp system able to produce 100 foot candle intensity in office area (120 volt).
8. One computer outlet system that consists of 12 preparations for installation of computer network system (Outlet box, conduit from outlet to above drop ceiling, does not include wiring)
9. One telephone outlet system that consists of 12 telephone outlets for office area telephone network system (wiring not included).

ACHV

1. Air conditioning system at a rate of 1 ton/ 225 sqft in office and cafeteria area.
2. Electrical heating system incorporated to A/C system. in office and cafeteria area.

ITEM “B”

MODIFICATIONS AND UPGRADES

GENERAL SPECIFICATIONS

EXTERIOR WORK

1. Perimeter 7' cyclone fence with 1' barb wire crown (See drawing).

CONCRETE FLOORS

1. Three coats of Epoxy floor seal.

ELECTRICITY

1. One 750 KVA substation with transformer (13200/480/277 Volt 3 ph.), cabin disconnect switch, and main switchboard.
2. One metal halide illumination system consisting of 400 watt luminaries able to produce 70 foot candle intensity in production.
3. Dry transformer, 45 KVA, and switchboard to supply 208/120 Volt to office and cafeteria

ACHV

1. Air conditioning system at a rate of 1 ton/ 290 sqft in production area.

FIRE PROTECTION

1. Two (30mt) fire hose stations in production connected to a 10,000 lt cistern with manhole and one 5 hp electrical pump.

COMPRESSOR ROOM

1. Construction of a 500 sqft compressor room. Concrete block walls with 26 ga. insulated (3" fiberglass) galvalum roof deck supported by steel structure. Walls are similar to existing building.
2. Movement of wall louvers from existing walls to compressor room for ventilation.

ROOF DECK

1. Elimination of roof round vents.

WALLS

1. Elimination of wall louvers from wall.