

SECTION 133423

B.I.G. Booth: Common Guard Booth with Restroom

PART 1 – GENERAL

1.01 SUMMARY

- A. Provide all labor, equipment and materials to furnish prefabricated Guard Attendant Booth.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Electrical service supply and connection.
- B. Site/foundation work.
- C. Unloading, placement, installation and anchoring.
- D. Plumbing & piping

1.3 SUBMITTALS

- A. Upon award of order, manufacturer shall prepare and submit shop drawings for each different building required for this project. Drawings shall include elevations, section, floor plan, electric schedule, service entrance locations, and anchor clip detail.
- B. Color charts illustrating available colors and patterns for specified finishes shall be submitted to Architect for selections.

1.4 QUALITY ASSURANCE

- A. Structures shall be the product of a manufacturer with a minimum of 20 years-documented experience in the design and fabrication of portable steel buildings.
- B. Prefabricated buildings by manufacturers other than the one approved shall submit sufficient data to enable approval to be given. As a minimum: design drawings and/or calculations, applicable certifications, catalog information, and color samples showing equal range of variety.
- C. Electrical devices factory installed within the prefabricated building shall be UL listed. Factory installed wiring system shall bear UL Classification label certifying compliance with the current NFPA's National Electrical Code
- D. Building manufacturer shall be responsible for providing a pre-fab unit that is in full compliance with the State and Local Codes. If applicable for the State the unit is being installed, Booth to have State approval prior to shipping proving it is in full compliance with all State codes including energy code. Unit to have State approval insignia affixed to the booth wall..
- E. Design loads: Per State & City requirements..

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Products of the following manufacturer from the basis for design and quality intended. Booth to be 8' x 15' base dimensions x 10'2" nominal height to the top of the fascia, the HVAC compressor will add additional height once installed.
- B.
 - 1. B.I.G. Enterprises, Inc. South El Monte CA. 800-669-1449.
- C. Or equal as approved in accordance with Section 01600 for Substitutions.

2.2 STRUCTURE

- A. Prefabricated steel building shall be single unit welded construction. Building to be shipped completely assembled. All welds ground smooth. Base dimensions to be specified by customer.
- B. 2" x 2" x .083" cold drawn electro welded structural mechanical steel tube frames.

2.3 WALLS

- A. 16ga galvanized steel interior and exterior walls. Wall panels will have R-10 exterior continuous insulation encapsulated in the 16ga. galvanized steel wall exterior wall.

2.4 BASE AND FLOOR

- A. 12ga. Galvanized steel plate floor covered with black polyvinyl chloride commercial resilient textured 20" x 20" inter locking tiles and 4" high black base cove, floor system is welded to a 2" galvanized steel tube frame and joists.

2.5 DOOR

- A. Unit to have two commercial steel framed insulated sliding doors, steel framed with 16ga. galvanized steel interior & exterior panels and half height window. Doors to be top hung by a minimum of eight 2 1/4" rigid steel ball bearing rollers from a upper steel track with lower stainless steel guide, stainless steel pull handles welded to the frame and a mortise lock.

WINDOWS

- A. Unit to have steel window frame system with flush mounted corners and welded fastening. Unit to have all windows fixed, all glazing to be 3/4" tinted tempered dual pane insulating glass with Low-E coating.

2.6 FINISH

- A. Rust inhibitive high build epoxy primer and two part polyurethane finish coat. Paint to have minimum 3500 hour salt sprat test. One Color to be selected by Architect.

2.7 CANOPY

- A. Unit to have a 6" overhang on all sides.

2.8 ROOF

- A. To be all steel construction designed for exterior use, insulated to R-19 Roof to have a 28" Tall parapet fascia and shall slope to drain through a gutter system with downspouts. Roof to be constructed of internal steel framing with 16ga. Galvanized steel roof deck welded to the framing. Roof to be coated with a three part Energy Star membrane with SRI index of 95 or greater. Roof to have removable lifting eyes for hoisting by crane.

2.9 COUNTER

- A. Unit to have a 22" deep full width painted galvanized steel shelf mounted at the end wall opposite the restroom at 34" AFF.

2.10 ELECTRICAL

- A. U.L. fixtures wired to N.E.C. standards. Prewired Load Center shall be minimum 125 Amp rated 120/240 volt, single phase, 3 wire 12 pole with 60 amp main breaker, mounted on the restroom partition wall. Unit shall have three duplex outlets mounted under the shelf, and a GFCI in the restroom, 1' x 4' LED lights recessed in a acoustic tile drop ceiling at 90" AFF. Ceiling grid to be formed 16ga. Galvanized steel painted to match interior color. Walls to be controlled by a occupancy sensor dimmer switch. LED can light with occupancy sensor for the restroom. Unit shall also have two empty single gang J-Boxes under the shelf with empty 1/2" conduits run in a floor chase to the stub area for data & communication lines by others.

2.11 AIR CONDITIONER:

- A. Unit to have a packaged roof mounted HVAC with a minimum of 23,600 BTU cooling and 22,000 BTU heat pump heating. Booth to have insulated ducts in the attic to supply and return registers recessed in the ceiling, roof curb for HVAC, wall mounted thermostat and all wiring to the breaker panel. Wiring to terminate in a weather tight roof mounted J-Box for on site connection to the roof mounted compressor that will ship loose and will be installed and connected on site by a licensed mechanical contractor under contract to the GC. Roof to have a weather tight GFCI duplex HVAC service outlet.

2.12 RESTROOM

- A. Unit to have all partitions, plumbing wall with interior removable liner, hard points and framework for plumbing fixtures, commercial all steel door with privacy lock, 3" vent pipe, exhaust fan with wall switch, LED can light with wall switch, GFCI outlet, and all necessary cut outs for on site installation of plumbing and plumbing fixtures. Fixtures to be provided include water closet with seat, lavatory with faucet, water heater, mirror, T.P. roll holder, grab bars, paper towel & soap dispenser and coat hook. Plumbing accessories ship loose for on site installation to the plumbing lines installed on site.

2.13 WEATHER PROOFING

- A. Weather-tight for exterior use. All seams and joints pressure bonderized. All openings fully weather stripped. Roof shall have heat protective membrane coating.

PART 3 - EXECUTION

3.1 GENERAL

- A. Install prefabricated buildings on flat and level concrete pad in accordance with the manufacturer's recommendations and placement drawings. Position units over utility stub-ups, verify building is level and anchor.

3.2 INSTALLATION

- A. Units shall be shipped fully assembled, fully wired, fully glazed and thoroughly painted.
- B. Position units over electrical stub-up on level pad. Drill and set expansion type anchor bolts.
- C. Connect power and seal around edges where the floor base meets the concrete pad.

END OF SECTION



800-669-1449