

SECTION 13046

B.I.G. Booth: Data Sentinel

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.
- D. Design loads: Live Loads: Per requirements for the installation location. Unit to be manufactured to be in full compliance with the State Regulations for Pre-Fab Modular structures if applicable to the State where the unit is being delivered
- E. Design loads: All loading shall be per City requirement for this site location.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Products of the following manufacturer from the basis for design and quality intended. Style based on the Ryker Data, booth to be 8' x 16' nominal base dimensions x 10' nominal height.
- 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 slide doors constructed of steel framing with galvanized steel panels and half height window. Doors are to be top hung from a steel track by a minimum of eight 2 1/4" steel ball bearing rollers, with lower stainless steel guide, stainless steel pull handles welded to the frame and mortise lock.

2.6 WINDOWS

- A. Unit to have steel window frame system with flush mounted corners and welded fastening. Unit to have fixed windows in all areas, all windows glazed with 3/4" tinted tempered dual pane insulating glass.

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. Color to be selected by Architect.

2.7 CANOPY

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- A. Unit to have a 24" overhang on all sides and a 10" fascia at the overhang.

2.8 ROOF

- A. To be all steel construction designed for exterior use, insulated to R-19. Roof to have a 24" tall parapet style fascia that is steel framed with corrugated metal siding. Roof to be sloped to drain through a gutter and downspout system, and to have removable lifting eyes for hoisting by crane. Roof to have a three part weather membrane with a solar reflective index of 95 or greater.

2.9 COUNTER

- A. Unit to have one 22" deep full width steel counter mounted at the front end wall and a 18" deep x 48" wide steel shelf on the restroom partition wall. Both shelves mounted at 34" AFF.

2.10 ELECTRICAL

- A. All U.L. approved fixtures wired to N.E.C. standards. Load Center shall be minimum 125 Amp, 120/240 volt, single phase, 3 wire 12 pole with 70 amp main breaker, three duplex outlets mounted under the front shelf and two GFCI type under the rear shelf, one GFCI outlet in the restroom, and a GFCI service outlet on the roof. Interior 1' x 4' T-8 fluorescent lights recessed in a 16ga. Galvanized steel ceiling with wall switch, roof mounted air conditioner with 23,000 BTU cooling and heating with 5KW electric heat strip. Unit shall also have two empty 2" x 4" J-Boxes under the front shelf with empty 1\2" conduit runs to a stub area for Data & Communication lines.

2.12 RESTROOM

- A. Unit to have all 16ga. Galvanized steel partitions, plumbing wall with interior removable liner, hard points and framework for plumbing fixtures, commercial swing out door with privacy lock, 3" vent pipe, exhaust fan with wall switch, florescent light with wall switch, 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, grab bars. water heater, mirror, T.P. roll holder, Paper towel dispenser and coat hook.

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, and floor underside to have bituminous coating.

PART 3 - EXECUTION

3.1 GENERAL

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- 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.
- A. Position units over electrical stub-up on level pad. Drill and set expansion type anchor bolts.
- B. Connect power and seal around edges where the floor base meets the concrete pad.
- C. Install roof mounted HVAC compressor unit on the factory installed roof curb, connect wiring to HVAC, mount and program thermostat and run diagnostics test.

END OF SECTION



800-669-1449