

Section 13 34 19
PREFABRICATED PORTABLE GUARDHOUSE BOOTHS

PART 1 - GENERAL

1.1 DESCRIPTION

- A. Provide all labor, equipment and materials to furnish and provide initial commissioning of prefabricated portable steel guardhouse booths where shown on the drawings.

1.2 RELATED WORK

- A. SECTION 01 33 23 SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.

1.3 QUALITY ASSURANCE

- A. Structures shall be the product of a manufacturer with a minimum of 10 years-documented experience in the design and fabrication of bullet resistant portable guardhouse booths.
- B. The approved manufacturer is Porta-King Building Systems, 4133 Shoreline Drive, Earth City, MO 63045, Ph. 1-800-284-5346, and Fax 1-314-291-2857, www.portaking.com email info@portaking.com.
- C. 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.
- D. Electrical devices factory installed within the prefabricated building shall be UL listed. Factory installed wiring system shall bear UL Classification insignia certifying compliance with the National Electrical Code, current edition.
- E. Adherence to applicable portions of state and local building codes is the responsibility of the owner. Building manufacturer shall not be responsible for permits, special engineering calculations, or architectural type drawings unless otherwise notified in writing 3-weeks prior to release of bid document.
- F. Design Loads: 50 PSF floor live load, 30 PSF wind load, 40 psf snow load on roof.

1.4 REFERENCES

- A. Upon request, the prefabricated building manufacturer shall provide the locations and owners of three (3) similar buildings that have been in service more than three (3) years.

1.5 SUBMITTALS

- A. Upon award of order, manufacturer shall prepare and submit copies of shop drawings as required 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 owner for prompt selections.
- C. Warranty documents.
- D. For installed products indicated to comply with design loads, include structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

PART 2 - PRODUCTS

2.1 PRODUCT CONSTRUCTION

- A. Building shall be 6' wide (trailer and box width) X 8' long (trailer and box length except triangular tongue frame and tongue) box plan dimension, of welded steel construction with minimum UL Level III bullet resistance. Structure shall be integral with trailering frame. Overall height to be provided for typical guardhouse occupancy use requirements. Wheels shall be covered with steel fenders integrated onto box structure.

2.2 WALL AND CEILING PANELS

- A. Exterior wall panels shall be steel plate with thickness as required for level III bullet resistance and shall extend from trailer framing to roof line. Interior wall panels shall be 16 gauge galvanized steel. Provide minimum R-10 wall insulation and R-19 roof/ceiling insulation.

2.3 FINISH

- A. Exterior surfaces of steel walls and corners shall be full flush, smooth, and unbroken by visible seams or caulked joints (any visible seam is not acceptable). Interior wall surfaces shall be flush, smooth construction with no exposed fasteners. All interior and exterior surfaces shall be electrostatically painted with rust inhibitive epoxy primer and shall have a

finish coat of air-dry industrial acrylic paint. Building to be painted one color, as selected from standard acrylic finishes.

2.4 FLOOR STRUCTURE

- A. Floor/trailering structure to be an integral part of the building with solid waterproof insulating core fit tight against panels and fastened to bottom structural base frame.
- B. Finished floor shall be raised rubber disc flooring.
- C. Door to be steel construction and include vision lite. Door to be painted to match the building.
- D. Door hardware to include a mortise level lockset with removable cylinder, continuous hinge and hydraulic door closer.

2.5 WINDOWS AND GLAZING

- A. Windows shall be Level III bullet resistant and sliding-type both sides of shack for entry and exit locations.

2.6 COUNTER

- A. Furnish 22" deep, full-width stainless steel counter, 32" aff, opposite entry door. Provide a steel storage drawer, with lock.

2.7 ELECTRICAL

- A. Electrical service to include single phase, 100 amp capacity load center with 12 spaces and factory installed 100 amp main breaker. Conduits to be recessed in walls with electrical boxes and fixtures surface mounted. All electric work shall be in compliance with the National Electrical Code. All electrical components shall bear the UL label. Exterior connection to be made to on-site shore power type electrical box located near rear of trailer between shack and gate. Refer to electrical drawings for maximum power supply and design HVAC and electrical components of portable guard shack to accommodate providing suitable connection to power receptacle located as noted above.
- B. Furnish at a minimum one 115v duplex outlet, and one 230v single outlet on the interior of the portable unit.

- C. Lights to be fluorescent type fixture with acrylic lens and wall switch (tubes to be furnished by general contractor upon initial commissioning).
- D. Include one Thru-Wall HVAC unit for heating and cooling that is designed according to available on-site power supply (refer to electrical drawings).
- E. Include 3 empty surface mounted conduit runs with pull wire to run communication lines.

2.8 EXTERIOR ROOF

- A. Exterior waterproof roof with 3" overhang and 6" high fascia.
- B. Provide a standing seam roof measuring 24" tall constructed of minimum 26 gauge steel material. Roof finish to be selected from manufacturers standard color selections.

PART 3 - EXECUTION

3.1 GENERAL

- A. Self-leveling equipment integrated into the portable unit is required to account for possible setup configurations. Manufacturer to provide required anchoring devices and installation direction for general contractor to coordinate with pad construction.