PORTAFAB
Modular Building Systems

SECTION [13120]
PREASSEMBLED SMOKING SHELTER

SECTION 1 GENERAL

1.01 SECTION INCLUDES

A. This Section specifies all requirements necessary to furnish and install a prefabricated portable aluminum smoking shelter(s) including, but not limited to the following:
   1. Frameworks
   2. Windows
   3. Door.
   4. Roof.
   5. Hold down clips

1.02 RELATED SECTIONS

A. This Section shall be used in conjunction with the following other specifications and related Contract Documents to establish to establish the total requirements for the referenced prefabricated smoking shelter.
   1. The Subcontract.
   2. Electrical service supply and connection.
   3. Site/Foundation work.
   4. Unloading, placement, installation and anchoring.
   5. Plumbing and piping (when required).

B. In the event of conflict regarding requirements for prefabricated buildings between this Section and any other sections, the provisions of this Section shall govern.

1.03 REFERENCES

A. Refer to *Porta-Fab Preassembled Smoking Shelter Specifications* website for technical data, design requirements and additional information.

1.04 SUBMITTALS

A. Submit the following in addition to the standard requirements.
   1. Upon award of order, manufacturer shall prepare and submit copies of shop drawings as required for each different shelter required for this project. Drawings shall include elevations, section, floor plan, electric schedule, service entrance locations, and anchor clip detail.
   2. Color charts illustrating available colors and patterns for specified finishes shall be submitted to owner for prompt selections.

1.05 QUALITY ASSURANCE

A. Manufacturer:
1. Structures shall be the product of a manufacturer with a minimum of 25 years-documented experience in the design and fabrication of portable aluminum buildings.
2. Prefabricated smoking shelters 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.
3. 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.
4. Design Loads: 30 lbs/ft^2 live load, 20 lbs/ft^2 wind load, 40 lbs/ft^2 floor load.

1.06 WARRANTY

A. Porta-Fab Preassembled Smoking Shelters are warranted against defects and workmanship for a period of one (1) year from date of original shipment. Porta-Fab is not responsible for or liable for modifications, alterations, misapplication or repairs made to the products in the field.

1.07 TECHNICAL SERVICES

A. Porta-Fab Corporation offers technical service support. For services regarding layout, design and product selection, as well as suggested specifications, contact the main office (Section 2.02).

SECTION 2 PRODUCTS

2.01 PRODUCT NAME

A. Preassembled Smoking Shelters

2.02 MANUFACTURER

A. Porta-Fab Corporation
18080 Chesterfield Airport Road
Chesterfield, MO 63005 U.S.A.
Phone: (636) 537-5555
Fax: (636) 537-2955

B. The use of a manufacturer's name, model or catalog number is for the purpose of establishing the standard of quality and general configuration.

2.03 PRODUCT DESCRIPTION

Basic Uses: Describe uses: Smoke Shelter, Bus, Stop, etc. Building to be of aluminum construction, with FRP (fiberglass reinforced plastic) exterior surfaces. Building height to be 90” including integral exterior roof. Building dimension shall be based around PortaFab’s Preassembled Smoking Shelter models.

A. Structural members to be extruded aluminum angles, channels, and tee sections of structural alloy 6063-T5 alloy. Corner posts to be 3 5/8” x 3 5/8” x 3/8” grooved angle; grooved intermediate tees to be 3” x 2 1/8” x 3/8”; top angle to be 3” x 4” x 3/16”.

B. All structural components to be certified welded at all intersections to create a unitized framework. No rivets, bolts or other fasteners shall be used in joining structural components.

C. Finish – Framework:
   1. Mill-finished aluminum
      a. (Option) Provide painted exterior framework.

D. Wall and Ceiling Panels:
   1. Wall panels shall be ½" Medex™ laminated on both sides with .035" FRP (fiberglass reinforced plastic). Panels shall be attached to the structural members with fasteners not exposed on the building exterior. Ceiling panels shall be minimum 5/8" white vinyl-faced particle board.

E. Windows and Glazing:
   1. Windows shall have aluminum frames and inserts and to be industrial quality. Windows to be fixed (non-sliding). Exterior window sill height to be 16" above finished floor. Glass height is approximately 68" tall. Windows to be ½" clear insulated glass.
      a. (Option) Fixed windows to be 1/2" tinted insulated glass.

F. Exterior Roof
   1. Factory installed integral roof to consist of 5/8" plywood with vapor barrier on the exterior surface. Buildings larger than 4' x 8' to receive two layers of 5/8" plywood. Roofs to include aluminum gutters around the entire perimeter.

SECTION 3 EXECUTION

3.01 INSTALLATION

A. General: All preparatory work and installation work shall be performed by site-contractor and shall be performed in accordance with local and/or state codes.

B. Pour concrete island minimum 4" deep. The island should be a minimum of 12" wider than the roofline dimensions to allow a 6" concrete border on each side of the building roofline. Level the pad and install a bollard at each corner of the building to further protect the building from damage caused by traffic.

C. Building to arrive via flatbed truck or closed van. The carrier must contact end-user 24-hours prior to delivery to arrange for off-loading. Use either a forklift or overhead crane to off-load the building from the flatbed. If an overhead crane is used, be sure to use "spreader bars" to prevent the building fascia/roof from being damaged by the sling/straps. Square the building on the pad and anchor.

D. Recommended concrete anchor is ½" x 4" galvanized or stainless steel, or comply with local codes – whichever is most stringent. Anchors are provided by site-contractor.

E. Clean the work area.

End of Section