

**Standard Specifications
Prefabricated Aluminum Shelters**

PART 1 - GENERAL

- 1.1 DESCRIPTION OF WORK: The work herein includes the provision and installation of a prefabricated shelter as shown on the drawings. Unit shall be completely pre-assembled.
- 1.2 RELATED WORK SPECIFIED ELSEWHERE:
- A. Concrete Foundation
 - B. Anchoring
- 1.3 SUBMITTALS
- B. Shop Drawings – Include plans, elevations, sections. Indicate standard and optional component features, dimensions, materials, anchoring details, and other items required for fabrication and installation.
- 1.4 MEASUREMENTS
- A. Verify all dimensions by taking field measurements and from final accepted shop drawings; proper fit and attachment of all items is required.
 - B. Coordinate concrete flat work to properly conform to prefabricated unit.
- 1.5 QUALITY ASSURANCE
- A. Source Limitations: Obtain prefabricated shelters through one source from a single manufacturer.
 - B. Product Options: Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval.
 - C. Regulatory Requirements: Where prefabricated shelters are indicated to comply with accessibility requirements, comply with the 2010 ADA Standard for Accessible Design and/or jurisdiction having authority.
 - D. Safety Glass: Category II materials complying with testing requirements in 16 CFR 1201.
 - E. Reference Standards applicable to this section:
 - 1. ASTM B 241 - Aluminum and Aluminum Alloy Seamless Pipe and Seamless Extruded Tube
 - 2. ASTM B 429 - Aluminum Alloy Extruded Structural Pipe and Tube
 - 3. ASTM B 483 - Aluminum and Aluminum Alloy drawn Tubes for General Purpose Applications
- 1.6 WARRANTIES
- A. Manufacturer's standard 1-year warranty for workmanship
- 1.7 DELIVERY, STORAGE AND HANDLING
- A. Transport products/assemblies to avoid damage during shipment, with all tags and labels intact and legible, as applicable for timely application/installation.
 - B. Inspect for and note any and all damages to products on the carrier's bill of lading, and report damages immediately for proper compensation and reorder of product if necessary.
 - C. Handle materials and product assemblies to prevent damage from dropping, improper handling, damages, and careless storage.

PART 2 - PRODUCTS

- 2.1 MANUFACTURER AND PRODUCTS
Shelter shall be provided as manufactured by Mardan Fabrication, Inc., 41249 Irwin Dr.
Harrison Township, MI 48045, Telephone (800) 882-5820, FAX (855) 313-4159, www.mardanfab.com,
info@mardanfab.com
- 2.2 PREFABRICATED UNIT REQUIREMENTS
Unit shall be shipped completely assembled unless otherwise stated. Coordinate concrete work to properly conform to prefabricated unit.

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2.3 COMPONENTS

- A. Frame: Frame comprising the structure shall be .125 inch minimum tubular aluminum frame, standard prefinished white. Optional colors are available, as selected by Owner/Architect from manufacturer's standard color chart. Aluminum tubes shall be mechanically fastened with concealed fasteners that are either stainless steel, zinc plated or aluminum.
- B. Roof: Roof panel shall be a total of 3 inch thick composite and shall have prefinished white aluminum with stucco embossed finish on top and bottom. Standard units intended for exterior use include 3 inch overhang on all sides and 8 inch high fascia. Roof scupper(s) shall be provided for water runoff. Roof shall be sealed at all joints and seams for a complete weatherproof roof system.
- C. Glazing: All glazing shall be glazed with ¼ inch clear tempered safety glass with aluminum frames and sealed to prevent water infiltration

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions for compliance with requirements for installation tolerances and other conditions affecting performance.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Anchoring system complete per final accepted shop drawings and in full accordance with the manufacturer's specifications and instructions. Minor adjustments to the shelter may be necessary at time of installation, due to possible variances and irregularities in poured concrete slab. Concrete slab and specifications to be coordinated with shelter manufacturer.
- B. Set shelter on concrete slab/foundation adequately sized for the project site.
- C. Set shelter plumb and aligned. Level true with full bearing on concrete base.
- D. Fasten with expansion anchors at pre-drilled anchor points. Anchor bolts provided by others.

END OF SECTION