

Mantech TM
A Division of All Fab Manufacturing, Inc.

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MANTECH GENERAL SPECIFICATION SERIES 800 ALUMINUM PANEL

Specifications

Section 07420 - Wall Panel Systems

1.01 Description of Work

- A. All factory fabricated, furnished, finished, and installed aluminum faced wall panels forming the exterior wall panel system.
- B. The 1/8" to 3/16" thick aluminum plate panels are available in a variety of widths, lengths, special curved radius, and right angle corners to assist you in designing traditional or custom accenting wall systems design.
- C. Related work specified elsewhere.
 1. Section 06100: Back up walls
 2. Section 07200: Insulation
 3. Section 07600: Metal flashing and counter flashing
 4. Section 07920: Caulking and sealant
 5. Section 09200: Interior wall finishes

1.02 Quality Assurance

- A. Products meeting the following specifications establish a standard of quality required by MANTECH, a Division of All Fab Manufacturing, Inc., Belgium, WI.
- B. Installer shall be acceptable to plate panel manufacturer.
- C. When possible, field measurements should be taken prior to completion of shop manufacturing and finishing.
- D. Maximum deviation from vertical and horizontal alignment of erected panels: plus or minus 3/16" in 20 lineal feet.

1.05 Delivery, Storage, and Handling

- A. Protect finish with strippable polyethylene in accordance with panel manufacturer's recommendations.
- B. Store material in accordance with panel manufacturer's recommendation.

2.01 Panels

- A. Aluminum Plate Panels
 1. Series 800 panel by MANTECH / All Fab Manufacturing, Inc., Belgium, WI.
- B. Panel thickness: as shown on drawings.
- C. Exterior Paint Finish - Commercial quality, 70% Kynar 500/Hylar 5000 based flouropolymer paint finish system.
 1. Color: As selected.

2. Coating Thickness:

- a. 2-coat - 1.0-1.3 mils (Std., Non-Metallic, Non-Exotic)
- b. 3-coat - 1.3-1.8 mils (Exotic color, Non-Metallic)
- c. 4-coat - 2.1-3.1 mils (Metallic only)

2.02 Shop Approved/Erection Drawings

- A. Furnished shop drawings complete with details of all major interfaces and periphery conditions.
- B. These shop drawings serve as field installation drawings with specific instructions of attachment of trim, clips, fasteners, miscellaneous hardware, and location and type of sealant. Also, these drawings include any other details to insure a proper weather tight installation.

3.01 Installation

- A. The panel system shall be installed externally with non-exposed fasteners and a continuous metal back-up plate. The metal back-up plate is placed behind adjoining side panel joints to insure proper placement of foam backer rod and caulk sealant.