

SECTION 074213.19 - INSULATED METAL WALL PANELS

1.1 QUALITY ASSURANCE

- A. Mockups.

1.2 WARRANTY

- A. Special Warranty: Two years.
- B. Finishes: 20 years.

1.3 PERFORMANCE REQUIREMENTS

- A. Structural Performance: ASTM E72.
 - 1. Wind Loads: 115 MPH.
 - 2. Deflection Limits: 1/360.
- B. Air Infiltration: ASTM E283.
- C. Water Penetration: ASTM E331.

1.4 PRODUCTS

- A. Concealed-Fastener, Foam-Insulation-Core Metal Wall Panels:
 - 1. Facing Material: Metallic-coated steel sheet. Steel coil material shall be in accordance with ASTM A755: AZ50 Galvalume / Zinalume (55% aluminum, 45% zinc) in accordance with ASTM A792.
- B. Laminated-Insulation-Core Metal Wall Panels:
 - 1. Edge: Wrapped, Bottom and Top edges not wrapped.
 - 2. Facing Material: Metallic-coated steel sheet.
 - 3. Core Material: Polyisocyanurate insulation.
 - 4. Exterior Finish: 1.5 mil. Fluoropolymer (PVDF) Two Coat System: 0.2 mil primer with 0.8 mil Kynar 500 (70%) metallic color coat and 0.5 mil clear coat.
 - 5. Interior Finish: Modified Silicone-Polyester Two Coat System.
 - 6. Thermal-Resistance Value (R-Value): Nominal R-Value of 7.0 (hours/square foot – degrees F / BTU) per inch thickness when tested in accordance with ASTM C 517 at 75 deg F mean temperature.
- C. Accessories:
 - 1. Backer board.
 - 2. Flashing and trim.
 - 3. Fasteners:
 - 4. Perimeter Trim:

5. Sealants:
6. Butyl Tape:

1.5 FIELD QUALITY CONTROL

- A. Testing: By Contractor-engaged agency.

END OF SECTION 074213.19