

SECTION 07 42 13 - METAL WALL PANELS

PART 1 - GENERAL

1.1 SYSTEM REQUIREMENTS

- A. Design Requirements:
 - 1. Design all metal wall panels as cladding only. Provide complete weather-resistive and air-barrier membrane over solid sheathing with drainage plane and weeps behind the cladding.
 - 2. Metal wall panel type, configuration, profile, etc. to be approved by the University Project Manager.
- B. Performance Requirements:
 - 1. Deflection Limits: 1/180 of span.
 - 2. Air Infiltration: Not more than 0.06 cfm/sq. ft when tested at 6.24 lbf/sq. ft.; ASTM E 283.
 - 3. Water Penetration: None, when tested at 6.24 lbf/sq. ft.; ASTM E 331.

PART 2 - PRODUCTS

2.1 FORMED METAL WALL PANELS

- A. Exposed-Fastener or Concealed-Fastener, Lap-Seam Metal Wall Panels
 - 1. Material: Metallic-coated steel or aluminum.
 - 2. Exterior Finish: Three-coat fluoropolymer.

2.2 METAL PLATE WALL PANELS

- A. Metal Plate Wall Panels:
 - 1. Material: Tension-leveled, smooth aluminum sheet, 0.125 inch thick minimum.
 - 2. Exterior Finish: Three-coat fluoropolymer.
 - 3. Attachment Assembly: Rainscreen principle.

2.3 METAL COMPOSITE MATERIAL WALL PANELS

- A. Metal Composite Material Wall Panels
 - 1. Material: Aluminum faced; 0.157 inch (4mm) thick; fire-retardant core.
 - 2. Exterior Finish: Three-coat fluoropolymer preferred.
 - 3. Attachment Assembly: Rainscreen principle.

2.4 INSULATED METAL WALL PANELS

- A. Concealed-Fastener, Foamed-Insulation-Core Metal Wall Panels
 - 1. Facing Material: Metallic-coated steel sheet.
 - 2. Exterior Finish: Three-coat fluoropolymer.
 - 3. Interior Finish: Siliconized polyester.

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 07 42 13