# 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**