

SECTION 076200 - SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.1 RELATED SECTIONS

- A. 074113: Metal Roof Panels

1.2 SECTION REQUIREMENTS

- A. Submittals: Product Data for each type of flashing and trim system indicated.

PART 2 - PRODUCTS

2.1 SHEET METAL

- A. Galvanized Steel Sheet: Fabricated from high strength Galvalume structural steel sheet, ASTM A 792/A 792M, .0179 inches thick (26 gauge), with manufacturer's premium fluorocarbon coating. Factory finish panel material to match roof panels.
- B. Aluminum Sheet: ASTM B 209, Alloy 3003, 3004, 3105, or 5005, temper suitable for forming and structural performance required, but not less than H14; not less than 0.032 inch thick; and finished as follows:
  - 1. Fluoropolymer 2-Coat System: Manufacturer's standard system with topcoat containing not less than 70 percent polyvinylidene fluoride resin by weight; complying with AAMA 2604. Color to match Englert "Muskett Brown".

2.2 FLASHING AND TRIM

- A. Fabricate sheet metal flashing and trim to comply with recommendations of SMACNA's "Architectural Sheet Metal Manual" that apply to the design, dimensions, metal, and other characteristics of the item indicated.
- B. Items Required:
  - 1. Facia with Cleat.
  - 2. Eave Flashing.
  - 3. Utility Clips.
  - 4. Outside Closures.
  - 5. Wall Coping with Cleat.
  - 6. Parapet High Side Eave Flashing.
  - 7. Counterflashing..
  - 8. Box Rake Trim.
  - 9. Rake Support Utility.

- 10. Parapet Rake Flashing with Cleat.
- 11. Roof Gutter and Downspout.
  - a. Downspout Hanging Strap.
  - b. Gutter Hidden Hanger.
  - c. Oval Downspout Sleeve.
  - d. Gutter End Caps.
  - e. Required Elbows.

### 2.3 ACCESSORIES

- A. Solder: ASTM B 32, Grade Sn50.
- B. Asphalt Mastic: SSPC-Paint 12, asbestos free, solvent type.
- C. Roofing Cement: ASTM D 4586, Type I, asbestos free, asphalt based.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Comply with SMACNA's "Architectural Sheet Metal Manual." Allow for thermal expansion; set true to line and level. Install Work with laps, joints, and seams permanently watertight and weatherproof; conceal fasteners where possible.
  - 1. Roof-Edge Flashings: Secure metal flashings at roof edges according to FM Loss Prevention Data Sheet 1-49 for specified wind zone.
- B. Sealed Joints: Form nonexpansion, but movable, joints in metal to accommodate elastomeric sealant to comply with SMACNA standards.
- C. Fabricate nonmoving seams in sheet metal with flat-lock seams. For aluminum, form seams and seal with epoxy seam sealer. Rivet joints for additional strength.
  - 1. Clean surfaces to be soldered, removing oils and foreign matter. Pre-tin edges of sheets to be soldered to a width of 1-1/2 inches, unless pre-tinned surface would show in finished Work.
- D. Separations: Separate noncompatible metals or corrosive substrates with a coating of asphalt mastic or other permanent separation.
- E. Install gutter systems in accordance with manufacturer's instructions and SMACNA requirements. Fasteners to be concealed from view whenever possible.

END OF SECTION 076200