

SECTION 07620 - SHEET METAL FLASHING AND TRIM

PART 1 GENERAL

1.01 SECTION REQUIREMENTS

- A. Submit Product Data, Shop Drawings, and Samples.

PART 2 PRODUCTS

2.01 SHEET METAL

- A. Aluminum Sheet: ASTM B 209 (ASTM B 209M), 3003-H14, mill finish, minimum thickness of 0.040 inch (1.0 mm).
- B. Galvanized Steel Sheet: ASTM A 653, G90 (ASTM A 653M, Z275), commercial quality, lock-forming quality, hot-dip galvanized, mill phosphatized where indicated for painting; at least 0.0396 inch (1.0 mm) thick.

2.02 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. Water Diverter: Fabricate from aluminum sheet, SMACNA plate number 24.
- C. Roof Penetrations: Fabricate from galvanized steel sheet, SMACNA plate number 63.
- D. Shingle Roof Flashing: Fabricate from aluminum sheet, SMACNA plate number 66.
- E. Finish aluminum exposed units with baked-on, white-acrylic shop finish; 1.0-mil (0.025-mm) dry film thickness.

2.03 ACCESSORIES

- A. Solder: ASTM B 32, Grade Sn50.
- B. Solder for Stainless Steel: ASTM B 32, Grade Sn60.
- C. Asphalt Mastic: SSPC-Paint 12, asbestos free, solvent type.
- D. Roofing Cement: ASTM D 4586, Type I, asbestos free, asphalt based.

PART 3 EXECUTION

3.01 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. 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 (38 mm), 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.

END OF SECTION 07620

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