

SECTION 07620

SHEET METAL FLASHING AND TRIM

1 PART 1 GENERAL

1.1 SUMMARY

- A. Section includes flashings and counterflashings, gutters and downspouts, and fabricated sheet metal items.
  - 1. Provide precast concrete splash pads.

1.2 SYSTEM DESCRIPTION

- A. Sheet Metal System: Conform to criteria of SMACNA "Architectural Sheet Metal Manual."
  - 1. Gutters and Downspouts: Size components for rainfall intensity determined by storm occurrence of 1 in 5 years in accordance with SMACNA recommendations.

1.3 SUBMITTALS

- A. Samples: Submit two samples of each type of material, color, and finish.

1.4 WARRANTY

- A. Furnish five year manufacturer warranty for finishes.

2 PART 2 PRODUCTS

2.1 SHEET METAL FLASHING AND TRIM

- A. Product Description: Flashing and sheet metal; unfinished or prefinished, including gutters, downspouts, splash pads and accessories.

2.2 COMPONENTS

- A. Pre-Finished Aluminum Sheet: Manufacturer's standard alloy and temper for specified finish; plain finish shop pre-coated with modified silicone, acrylic or polyester PVDF (polyvinylidene fluoride) coating; color as selected from manufacturer's standard to match trim.

2.3 ACCESSORIES

- A. Fasteners: Galvanized steel same material and finish as flashing metal, with soft neoprene washers.
- B. Gutter and Downspout Anchorage Devices: Type recommended by fabricator.
- C. Gutter Supports: Brackets.
- D. Downspout Supports: Brackets.

- E. Underlayment: No. 15 asphalt saturated roofing felt.
- F. Protective Backing Paint: Zinc molybdate alkyd.
- G. Slip Sheet: Rosin sized building paper.
- H. Sealant: Exterior metal lap joint butyl or polyisobutylene sealant as specified in Section 07900.
- I. Plastic Cement: ASTM D4586, Type I.
- J. Primer and Solvent for Polyvinyl Chloride (PVC): As recommended by manufacturer.

#### 2.4 FABRICATION

- A. Gutter Accessories: Profiled to suit gutters and downspouts.

#### 2.5 SHOP FINISHING

- A. Acrylic Polyester Coating: Pigmented Organic Coating System, AAMA 2603; baked enamel finish system

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- B. PVDF (Polyvinylidene Fluoride) Coating: High Performance Organic Finish, AAMA 2604 or 2605; multiple coat, thermally cured fluoropolymer finish system.

- C. Primer Coat: Finish concealed side of metal sheets with primer compatible with finish system as recommended by finish system manufacturer.

### 3 PART 3 EXECUTION

#### 3.1 EXAMINATION

- A. Verify roof openings, curbs, pipes, sleeves, ducts, or vents through roof are solidly set, cant strips and reglets in place, and nailing strips located.
- B. Verify membrane termination and base flashings are in place, sealed, and secure.

#### 3.2 PREPARATION

- A. Paint concealed metal surfaces and surfaces in contact with dissimilar metals with protective backing paint to minimum dry film thickness of 15 mil (0.4 mm).

#### 3.3 INSTALLATION

- A. Install starter and edge strips, and cleats.
- B. Secure flashings, gutters and downspouts in place using [concealed] fasteners.
- C. Apply plastic cement compound between metal work and felt flashings.

- D. Fit components tight in place. Make corners square, surfaces true and straight in planes, and lines accurate to profiles.
- E. Slope gutters 1/4 inch per foot (20 mm/m) minimum.
- F. Set splash pads under downspouts.
- G. Seal joints watertight.
- H. Install rain diverters as indicated on Drawings.

...END OF SECTION