

SECTION 076200
SHEET METAL FLASHING AND TRIM

PART 1 GENERAL

1.01 SECTION INCLUDES

- A Fabricated sheet metal items, including flashings, counterflashings, gutters, and downspouts.

1.02 RELATED REQUIREMENTS

- A Section 077123 - Manufactured Gutters and Downspouts.

1.03 REFERENCE STANDARDS

- A AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix) 2022.
- B ASTM B209/B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate 2021a.
- C CDA A4050 - Copper in Architecture - Handbook current edition.
- D SMACNA (ASMM) - Architectural Sheet Metal Manual 2012.

1.04 SUBMITTALS

- A Shop Drawings: Indicate material profile, jointing pattern, jointing details, fastening methods, flashings, terminations, and installation details.
- B Samples: Submit two samples, 2 by 2 inches in size, illustrating metal finish color.

1.05 QUALITY ASSURANCE

- A Perform work in accordance with SMACNA (ASMM) and CDA A4050 requirements and standard details, except as otherwise indicated.

1.06 DELIVERY, STORAGE, AND HANDLING

- A Stack material to prevent twisting, bending, and abrasion, and to provide ventilation. Slope metal sheets to ensure drainage.
- B Prevent contact with materials that could cause discoloration or staining.

PART 2 PRODUCTS

2.01 SHEET MATERIALS

- A Pre-Finished Aluminum: ASTM B209/B209M, 3005 alloy, H12 or H14 temper; 20 gauge, 0.032 inch thick; plain finish shop pre-coated with PVDF coating.
 - 1. Polyvinylidene Fluoride (PVDF) Coating: Superior performing organic powder coating, AAMA 2605; pretreated metal with two-coat system including primer and color coat with at least 70 percent PVDF coating.
 - 2. Color: As selected by Architect from manufacturer's full colors.

2.02 FABRICATION

- A Form sections true to shape, accurate in size, square, and free from distortion or defects.
- B Form pieces in longest possible lengths.
- C Hem exposed edges on underside 1/2 inch; miter and seam corners.
- D Form material with flat lock seams, except where otherwise indicated; at moving joints, use sealed lapped, bayonet-type or interlocking hooked seams.

- E Fabricate corners from one piece with minimum 18-inch long legs; seam for rigidity, seal with sealant.
- F Fabricate vertical faces with bottom edge formed outward 1/4 inch and hemmed to form drip.

2.03 GUTTERS AND DOWNSPOUTS

- A See Section 077123 for manufactured gutters and downspouts.

2.04 ACCESSORIES

- A Fasteners: Galvanized steel, with soft neoprene washers.
- B Primer Type: Zinc chromate.
- C Concealed Sealants: Non-curing butyl sealant.

PART 3 EXECUTION

3.01 PREPARATION

- A Install starter and edge strips, and cleats before starting installation.
- B Back paint concealed metal surfaces with protective backing paint to a minimum dry film thickness of 15 mil, 0.015 inch.

3.02 INSTALLATION

- A Secure flashings in place using concealed fasteners, and use exposed fasteners only where permitted..
- B Apply plastic cement compound between metal flashings and felt flashings.
- C Fit flashings tight in place; make corners square, surfaces true and straight in planes, and lines accurate to profiles.

END OF SECTION