

**SECTION 077123**  
**MANUFACTURED GUTTERS AND DOWNSPOUTS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A Pre-finished aluminum gutters and downspouts.

**1.02 REFERENCE STANDARDS**

- A AAMA 2604 - Voluntary Specification, Performance Requirements and Test Procedures for High Performance 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.

**1.03 SUBMITTALS**

- A Product Data: Provide data on prefabricated components.
- B Shop Drawings: Indicate locations, configurations, jointing methods, fastening methods, locations, and installation details.
- C Samples: Submit manufacturer's full range of colors for selection by Architect during submittal approval.

**1.04 DELIVERY, STORAGE, AND HANDLING**

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

**PART 2 PRODUCTS**

**2.01 MATERIALS**

- A Pre-Finished Aluminum Sheet: ASTM B209/B209M; 0.032 inch thick.
  - 1. Finish: Plain, shop pre-coated with polyvinylidene fluoride (PVDF) coating.
  - 2. Color: As selected from manufacturer's standard colors.

**2.02 COMPONENTS**

- A Gutters: CDA rectangular style profile.
- B Downspouts: CDA rectangular profile.
- C Anchors and Supports: Profiled to suit gutters and downspouts.
  - 1. Anchoring Devices: In accordance with CDA requirements.
  - 2. Gutter Supports: Brackets.
  - 3. Downspout Supports: Brackets.
- D Fasteners: Galvanized steel, with soft neoprene washers.

**2.03 FABRICATION**

- A Form gutters and downspouts of profiles and size indicated.
- B Fabricate with required connection pieces.
- C Form sections square, true, and accurate in size, in maximum possible lengths, free of distortion or defects detrimental to appearance or performance. Allow for expansion at joints.
- D Hem exposed edges of metal.
- E Fabricate gutter and downspout accessories; seal watertight.

## **2.04 FINISHES**

- A Fluoropolymer Coating: High Performance Organic Finish, AAMA 2604, multiple coat, thermally cured fluoropolymer finish system; color as indicated.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A Verify existing conditions before starting work.
- B Verify that surfaces are ready to receive work.

### **3.02 INSTALLATION**

- A Install gutters, downspouts, and accessories in accordance with manufacturer's instructions.
- B Join lengths with formed seams sealed watertight. Flash and seal gutters to downspouts and accessories.
- C Slope gutters 1/4 inch per foot .

**END OF SECTION**