

SECTION 07 71 23
MANUFACTURED GUTTERS AND DOWNSPOUTS

PART 1 GENERAL

1.1 STIPULATIONS

- A. The specifications sections "General Conditions to the Construction Contract", "Special Conditions" and "Division 01 - General Requirements" form a part of this Section by this reference thereto, and shall have the same force and effect as if printed herewith in full.

1.2 SECTION INCLUDES

- A. Pre-finished aluminum gutters and downspouts.

1.3 RELATED REQUIREMENTS

- A. Section 07 62 00 - Sheet Metal Flashing and Trim.

1.4 REFERENCE STANDARDS

- A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum 2020.
- B. AAMA 2604 - Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix) 2022.
- C. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate 2014.
- D. ASTM B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate (Metric) 2014.

1.5 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on prefabricated components.
- C. Shop Drawings: Indicate locations, configurations, jointing methods, fastening methods, locations, and installation details.

1.6 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

2.1 MANUFACTURERS

- A. Gutters and Downspouts:
 - 1. ATAS International, Inc; Water Control System: www.atas.com/#sle.

2. OMG Roofing Products: www.omgroofing.com/#sle.
3. Gutter Works: www.gutterwork.com/#sle.
4. Alcoa Home Exteriors: www.alcoahomes.com/#sle.
5. Substitutions: See Section 01 25 00 - Substitution Procedures.

2.2 MATERIALS

- A. Aluminum Sheet: ASTM B209 (ASTM B209M); 0.032 inch thick.
 1. Finish: Class I anodized.
 2. Color: As selected from manufacturer's standard colors.

2.3 COMPONENTS

- A. Gutters: CDA rectangular style profile. 'K'-style 5" Gutter
- B. Downspouts: CDA Rectangular profile. 3" x 4"
- 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.

2.4 ACCESSORIES

- A. Splash Guards: 027" gage aluminum, prefinished, color to be selected by architect.
 1. Manufacturer: Gutter Works - 'Gutter Valley Splash Guards'
- B. Kick-Out Flashing: 0.40" gage aluminum, prefinished; 4" high, 7.5" long, color to be selected by architect.

2.5 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.

2.6 FINISHES

- A. Class I Color Anodized Finish: AAMA 611 AA-M12C22A42; integrally colored anodic coating not less than 0.7 mils thick.
- B. Class II Color Anodized Finish: AAMA 611 AA-M12C22A41; integrally colored anodic coating not less than 0.4 mils thick.
- C. Fluoropolymer Coating: High Performance Organic Finish, AAMA 2604; multiple coat, thermally cured fluoropolymer finish system; color as selected from manufacturer's standard colors.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that surfaces are ready to receive work.

3.2 INSTALLATION

- A. Install gutters, downspouts, and accessories in accordance with manufacturer's instructions.
- B. Provide Eave Tubes for downspouts, elbows, hidden hangers, and all other required accessories. Provide compatible aluminum fasteners.

END OF SECTION