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Gutter Guide Specifications

This Guide Specification is to be used to develop an office master specification or specifications for a project. In either case, this Guide Specification must be edited to fit the conditions of use. Particular attention should be given to the deletion of inapplicable provisions. Include necessary items related to a particular project. Include appropriate requirements where blank spaces have been provided.

SECTION 0767123-Manufactured Gutters and Downspouts

Note to Designer: Specifications as outlined are suitable for multiple gutter profiles and material, please choose as indicated.

PART 1 – GENERAL

1.01 SECTION INCLUDES

The work includes, but is not necessarily limited to, furnishing and installation of all preformed metal gutters, and accessories as indicated on the drawings and specified herein.

1.02 RELATED SECTIONS

Edit for project conditions. Section Numbers indicated are those recommended by CSI Masterformat 2004; revise if numbers differ from those used in Project Manual.

- A. Structural Metal Framing: Section 051000
- B. Structural Metal Roof and Floor Decking: Section 053000
- C. Metal fabrications: Section 055000
- D. Steep Slope Roofing Section 073000
- E. Roofing and Siding Panels Section 074000
- F. Painting and coating not specified herein: Section 099000

1.03 SUBMITTALS

A. PRODUCT DATA

1. Submit manufacturer's technical product data, installation instructions and recommendations for each type of gutter required.

B. SAMPLES

1. Submit Manufacturer's standard color Samples for Architect's/Engineer's selection.
2. Submit (2) 3" X 6" color chip for Architect's/Engineer's acceptance.

C. SHOP DRAWINGS

1. Installer to submit complete shop drawings indicating thickness and dimensions of parts, fastenings and anchoring methods, details and locations of gutter system and other provisions necessary to accommodate thermal expansion and contraction.
2. Shop drawings show methods of erection, elevations and plans of roof, sections and details, sealants, substrates, interfaces with all materials not supplied and proposed identification of parts and their finishes.

1.04 QUALITY ASSURANCE

A. INSTALLER'S QUALIFICATIONS

1. Installer shall meet the following:
 - a. Successfully applied metal gutter systems of comparable size and complexity, which reflect a quality installation.
 - b. Have been in business for a minimum period of three years in the region where the work will be performed.

B. MANUFACTURER'S QUALIFICATIONS

1. Manufacturer shall have a minimum of 3 years experience supplying metal gutter systems to the region where the work is to be done.

C. REGULATORY AGENCY REQUIREMENTS

1. Comply with UBC and local Building Code requirements if more restrictive than those specified herein.

1.05 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Protect against damage and discoloration
- B. When hoisting, handle gutter with non-marring slings.
- C. Do not bend gutter.
- D. Store gutters above ground, with one end elevated for drainage.
- E. Protect gutters against standing water and condensation between adjacent surfaces.

1.06 PROJECT CONDITIONS

- A. Examine the conditions and substrates in which metal gutter system is to be installed. Substrate shall be level, flat and true to avoid gutter stresses and distortion.
- B. Proceed with gutter installation only after satisfactory conditions are met.

1.07 WARRANTY

A. MANUFACTURER'S PRODUCT WARRANTY

1. Manufacturer's standard Limited Lifetime coating performance warranty, as available for specified installation and environmental conditions. (Contact a Custom-Bilt Metals representative to determine actual warranty criteria.)

B. CONTRACTOR'S WARRANTY

1. Warrant gutters, flashings, sealants, fasteners and accessories against defective materials and/or workmanship, to remain watertight and weatherproof with normal usage for two (2) years following Project Substantial Completion date.

PART 2 – PRODUCTS

2.01 GUTTER PROFILE

A. GUTTER DESIGNATION: (choose one)

1. 5" O.G.
2. 6" O.G.
3. 5" Half Round
4. 6" Half Round
5. 5" Fascia
6. 7" Fascia

2.02 MATERIALS

A. GUTTERS

1. Base metal: **(Choose one)**
 - a. Prefinished G-40 galvanized steel sheet in 24 gauge, 26 gauge, or 28 gauge as described in ASTM specification A653.
 - b. Copper 16 oz. conforming to ASTM B370,
 - d. Prefinished Aluminum made up of Alloy 3105/5005, Hardness (H14) in thickness .027 or .032 ASTM B 209.
2. Exterior Finish:
 - a. Dura Coat / Polyester resin
3. Interior Finish:
 - a. Polyester resin
4. Color: **(choose one)**
 - a. Manufacturer's standard selection of not less than 22 colors in Aluminum, 20 colors in Steel.

B. ACCESSORIES

1. Fasteners:
 - a. Per manufacturer's recommendation
2. Sealant:
 - a. Gunnable Grade Caulking: Single component polyurethane caulk

C. FLASHING

1. Material, gauge and finish to match gutters.

D. FABRICATION

1. Fabricate gutters, flashings and accessories in longest practical lengths.
2. Gutters shall be factory or field formed as required.

PART 3 – EXECUTION

3.01 EXAMINATION

A. EXISTING CONDITIONS

1. Verify that members to receive gutters are complete, accurately sized and located, in true plane, secure and otherwise properly prepared.
2. Prior to starting work, notify General Contractor about any defects requiring correction
3. Do not start work until conditions are satisfactory.

3.02 PREPARATION

A. FIELD MEASUREMENTS

1. Verify prior to fabrication.
2. If field measurements differ from drawing dimensions, notify Architect/Engineer prior to fabrication.

B. PROTECTION

1. Treat, or isolate with protective material, any contacting surfaces of dissimilar materials to prevent electrolytic corrosion.
2. Protect Work of other Trades against damage and discoloration.

C. SURFACE PREPARATION

1. Clean and dry surfaces prior to applying sealant.

3.03 INSTALLATION

A. GUTTERS

1. Comply with gutter manufacturer's instructions for assembly and installation.
2. Install in accordance with approved shop drawings.
3. Secure gutters without warp or deflection.

B. ALLOWABLE ERECTION TOLERANCE

1. Maximum substrate Variation: 1/4 inch in 20 feet.

C. FLASHING

1. Install in compliance with Manufacturer's installation instructions and Architect approved Shop Drawings.
2. Install flashings to allow for thermal movement.

D. CUTTING AND FITTING

1. Neat, square and true. Torch or saw cutting is prohibited.

3.04 CLEAN UP AND CLOSE OUT

A. GUTTER DAMAGE AND FINISH SCRATCHES

1. Touch-up paint should be applied to damaged paint areas that involve minor scratches or abrasions.
2. Panels or flashings that have severe paint and/or substrate damage shall be replaced as directed by the Architect's or Owner's representative.

B. CLEANING AND REPAIRING

1. At completion of each day's work, sweep the Gutters, and Flashings clean. Do not allow fasteners, cuttings, filings or scraps to accumulate.
2. Remove debris from Project Site upon work completion or sooner, if directed.

END OF SECTION