

## 07620 - Sheet Metal Gutter Systems and Downspouts

### 1.01 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products manufactured by: NorthClad Rain-screen Solutions, 11831 Beverly Park Road, Everett, WA 98024, Phone: (425) 487-1111, E-mail: dkillian@northclad.com, Website: www.northclad.com

### 1.02 MATERIALS

- A. Pre-finished ANSI/ASTM A653 galvanized steel sheet, minimum 24 gage.

### 1.03 FINISH

- A. Exterior Finish: Polyvinylidene Fluoride (PVF2) minimum 70% Kynar resin (K-600) dry film thickness 0.8 mils minimum.
- B. Exterior Primer: Baked on epoxy primer coat dry film thickness 0.2 mils minimum.
- C. Total exterior dry film thickness: 1.0 mils minimum.
- D. Color: As selected by architect from manufacturer's standard colors\*.
- E. Interior finish: Factory standard prime-coat, dry film thickness 0.5 mils minimum.

### 1.04 COMPONENTS

- A. Gutters: Shall be of free floating design supported without penetration by suspension from a gutter cleat, gutters shall be formed in continuous sections of profile and size indicated.

### 1.05 ACCESSORIES

- A. Anchorage Devices: Type as recommended by fabricator.
- B. Gutter Straps: Minimum 20 gauge perforated stainless steel cleat system as manufactured by NorthClad Rain-screen Solutions. Holes to be 3/8" minimum on a 1/2" stagger. Provide 8" wide cleanouts @ 10'-0" o.c. where continuous stainless clip is used; 2" wide 16 gauge minimum straps spaced at no more than 18" o.c. if continuous system is not used.
- C. Expansion joints: Provide manufacturer's standard expansion joint assemblies allowing for minimum 3/4" thermal movement. Spacing per manufacturer.
- D. Downspouts: Manufacturer's standard of type and gauge as indicated on drawings.
- E. Downspout Brackets: Fabricate brackets to match color, finish, and thickness of downspouts unless otherwise indicated.

### 1.06 FABRICATION

- A. Form sections square, true, and accurate in size. Form gutter free from distortion or defects detrimental to appearance or performance. Allow for expansion at corners and joints.
- B. Field measure conditions prior to fabricating work.

## ■ Specification Guide

C. Roll form gutters in longest practical lengths.

### 1.07 EXAMINATION

A. Examine surfaces and verify that surfaces are ready to receive work.

### 1.08 INSTALLATION

- A. Install gutters, downspouts, and accessories in accordance with manufacturer's instructions.
- B. Provide manufacturer's standard expansion joints at 50'-0" maximum. Sections of less than 50'-0" shall be roll formed continuous without joints of any kind.
- C. Apply bituminous protective backing on surfaces in contact with dissimilar metals.
- D. Seal all joints watertight.

**END OF SECTION**