

SECTION 07600

FLASHING AND SHEET METAL

PART 1 - GENERAL

1.1 DESCRIPTION

- A. Scope: General sheet metal work, including but not limited to, the following
 - 1. Flashing and counterflashing
 - 2. Downspouts and gutters
 - 3. Miscellaneous sheet metal work
 - 4. All other sheet metal flashing related to the above, shown on the Drawings and not specified elsewhere

- B. Additional Requirements Specified Elsewhere
 - 1. Section 01340: Shop Drawings, Product Data and Samples
 - 2. Section 01600: Materials and Equipment

- C. Related Requirements Specified Elsewhere
 - 1. Section 04200: Unit Masonry
 - 2. Section 06100: Carpentry
 - 3. Section 05400: Steel Framing
 - 4. Section 05500: Metal Fabrications
 - 5. Section 07501: Metal Roof and Wall Panels
 - 6. Section 07900: Joint Sealants
 - 7. Section 09900: Painting
 - 8. Section 13121: Prefabricated Metal Building
 - 9. Division 15: Mechanical

1.2 QUALITY ASSURANCE

- A. Reference Standards
 - 1. Galvanized sheet metal installation: Comply with recommendations of "Architectural Sheet Metal Manual" as published by Sheet Metal and Air Conditioning Contractors National Association, Inc.

1.3 SUBMITTALS

- A. Shop Drawings in accordance with Section 01340
 - 1. Dimensions
 - 2. Construction details
 - 3. Materials

PART 2 - PRODUCTS

2.1 SHEET METAL

A. Galvanized Iron

1. ASTM Specification A-316, hot-dip type, weight as indicated on the Drawings or specified under Part 3 - EXECUTION

B. Aluminum

1. ASTM Specification B-209, Allow 3105-H24, weight as indicated on the Drawings or specified under Part 3 - EXECUTION

C. Stainless Steel

1. ASTM Specification A-240 or A-480, weight as indicated on the Drawings or specified under Part 3 - EXECUTION

2.2 ACCESSORY MATERIAL

A. Nails and Fasteners

1. For galvanized iron: Galvanized or cement coated, size and type as required
2. For aluminum and stainless steel: Stainless steel size and type per Drawings

B. Roofing Felt: 30 lb asphalt saturated felt

C. Sealant

1. Approved type of polysulfide or urethane; roofer's mastic is not acceptable
2. Headworks channel baffles: Sikaflex 1a

PART 3 - EXECUTION

3.1 INSPECTION

- A. Examine surfaces to receive flashing or sheet metal and do not begin work until all unsatisfactory conditions are corrected
- B. All surfaces shall be smooth, sound, clean, and dry and all fabric flashing shall be in place before work is started

3.2 FIELD MEASUREMENTS

- A. Before fabricating sheet metal verify shapes and dimension of surfaces to be covered

3.3 PREPARATION OF SURFACES

A. Protective Coating

1. Coat contacting dissimilar metals with asphaltic compound
2. Coat aluminum in contact with concrete, grout or mortar with bituminous coating

3.4 FLASHING AND COUNTERFLASHINGS

- A. Sheet metal flashing and counterflashing of 24 gauge galvanized iron unless otherwise indicated on the Drawings
- B. Lock and solder all joints and hem all exposed edges

3.5 GUTTERS AND DOWNSPOUTS

- A. Construct gutters and downspouts of 24 gauge galvanized iron
- B. Hem all edges
- C. Solder all joints
- D. Refer to Section 07501 for additional requirements

3.6 HEADWORKS CHANNEL BAFFLES

- A. Fully bed entire fastening flange with sealant
- B. Fully encase with sealant the exposed head and hardware of each anchor bolt for watertight seal at each anchor penetration

END OF SECTION