

SECTION 07 62 00

SHEET METAL FLASHING AND TRIM

PART 1 GENERAL

1.1 SCOPE:

- A. The work required under this specification includes all labor, materials, equipment and services necessary for and reasonably incidental to the completion of all metal flashing and counterflashings, wall flashings, parapet cap flashing, joint covers, crickets, and other metal work required to complete the job.

1.2 RELATED SECTIONS

- A. Section 07 54 23: Thermoplastic Membrane Roofing (*TPO*)
- B. Section 07 42 14: Factory Fabricated Metal Wall Panels
- E. Section 07 58 00: Preformed Metal Roofing (*Field Rolled*)
- F. Section 07 61 15: Preformed Metal Roofing (*Manufactured*)
- G. Section 07 62 10: Gutters and Downspouts
- H. Section 07 92 00: Sealants

1.3 WORKMANSHIP

- A. All workmanship shall be in accordance with plans, with the various sections uniform, and sections accurately fitted and rigidly secured. All exposed edges shall be seamed, and all work shall be neatly fitted to the framework, with necessary ribs or stiffeners and other reinforcements required to make all sections rigid and substantial. This section to comply with SMACNA Standards.
- B. Proper allowance shall be made in all cases for expansion and contraction, with the vertical joints not secured directly but constructed weather and watertight to allow members to slide freely. Joint covers shall be installed over all joints.

PART 2 PRODUCTS

2.1 MATERIALS

- A. All sheet metal shall be pre- finished steel unless noted otherwise, not less than 24 gauge, and shall be compatible to other materials they may be in contact with. No dissimilar metals will be used together.
- B. Fasteners shall be non-rusting materials which are not subject to galvanic action. Fasteners shall be of proper length and spacing to assure secure attachment, fit and alignment. Furnish and install continuous clip at cap flashing. Provide pre-finished fasteners, matching pre-finished flashing color.
- C. In general all exposed flashing is pre-finished material, but where exposed galvanized iron flashings occurs, paint grip materials shall be used.
- D. Where flashing shown must be fabricated into watertight multi-sided slopes, use paint grip material with soldered joints.
 - 1. Solder: Half and half solder made from virgin lead and tin shall conform to the Standard Specifications of the ASTM, E-32, latest edition.
 - 2. Flux: All galvanized sheet metal shall have non- corrosive acid used as a flux.
 - 3. All exposed paint grip galvanized material shall be painted color as selected by Architect.
- E. Pre-finished flashing to be shop formed sections out of material supplied by the metal roofing manufacturer with same color selection available.
- F. Flashing and Trim: Cap Flashing and Counterflashing - 24 gauge prefinished steel. Pitchpocket - two (2") inches deep, 24 galvanized iron. All flashing and trim located in areas which are visually exposed shall be prefinished unless noted otherwise.
- G. Provide cap and parapet flashing in minimum lengths of 10 feet or more between joints.

2.2 FINISH:

- A. Pre-finished Trim and Flashing: Finish: Factory applied Kynar 500. Color: To be selected by Architect. Color to match MWP-2

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install work watertight, without waves, warps, buckles, fastening stresses or distortion, allowing for expansion or contraction.

3.2 FLASHING:

- A. Flash walls, etc., as detailed. Flashing shall be of material and gauge as specified on plans. All walls flashing, crickets, counterflashings, etc., shall be installed in accordance with SMACNA standards and in conformance with details shown or implied on plans.
- B. Counterflashing generally shall be in 10'-0" lengths. Counterflashing shall be free from longitudinal joints. End joints in counterflashing generally shall not be soldered. Flashing to be installed with masonry, no saw cut installations will be allowed.
- C. On counterflashings, the ends of one (1) length shall fit into a pocket on the adjacent length which has been formed by soldering a skirter lining on the back of the adjoining member. Counterflashings must be bent to the required shape before being placed.
- D. Provide splices for cap flashing as shown on drawings.
- E. Provide flexible flashing with stainless steel band clamp for pipe roof penetrations.
- F. Secure all cap flashings with continuous cleats on both sides of parapets. Lap cleat sections minimum 2 inches. Secure to wood nailers with screws at minimum 16 inches on center.

3.3 WORKMANSHIP

- A. Fasteners shall be concealed anchors of compatible materials.
- B. Metal surfaces shall be formed and applied in strict accordance with SMACNA sheet metal working standards.
- C. No perforations of metal surfaces shall be made except as shown on details for flashing, closures, trim, etc.
- D. All exposed edges shall be seamed and all work shall be neatly fitted to the framework, with necessary ribs or stiffeners and other reinforcement required to make all sections rigid and substantial.
- E. Install work watertight, without waves, warps, buckles, fastening stresses or distortion, allowing for expansion and contraction.

END OF SECTION

07 62 00-3