

**SECTION 07 62 00**  
**FLASHING: SHEET METAL AND FLEXIBLE**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. In-wall and counterflashing, gravel stop and related accessories

**1.02 REFERENCE STANDARDS**

- A. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2014.
- B. SMACNA (ASMM) - Architectural Sheet Metal Manual; 2012.

**1.03 SUBMITTALS**

- A. Product Data: For each product specified in Part 2 - Products.
- B. Samples:
  - 1. Sheet Metal: For each type to be incorporated in the Work. Samples shall be 12" square.
  - 2. Pre-formed Sheet Metal Flashing: For each type to be incorporated in the Work. Samples shall be 12" long.
  - 3. Sheet Metal Counter-flashing: For each type to be incorporated in the Work. Samples shall be 12" long.
  - 4. Accessories: For each type of termination bar, metal clip, strap, anchor, masonry nails (w/ washer), and fastener to be incorporated in the Work.
- C. Fabricator Qualifications: For sheet metal fabrications. Obtain written acceptance from Architect, prior to commencement with fabrication Work.

**PART 2 PRODUCTS**

**2.01 SHEET METAL**

- A. Fascia System
  - 1. Comply with AISI Type 302/304. ASTM A 167 2D annealed finish, soft, except where harder temper is required for forming or performance.
  - 2. Nominal thickness 0.05 inch.

**2.02 PRE-FORMED SHEET METAL FLASHING**

- A. Drip Edge (Stainless Steel)
  - 1. Break formed stainless steel, 0.024 inch nominal thickness unless otherwise indicated.
  - 2. Hemmed Edge and soldered corner seams.

**2.03 FLASHING CEMENT / UTILITY MATIC**

- A. Flashing Cement
- B. MBR Flashing Cement (2 part) Johns Manville or Equal

**2.04 ACCESSORIES**

- A. Masonry Nails
  - 1. 1" long non-corrosive metal, with 1" diameter neoprene washers.
- B. Wood Blocking
  - 1. Exterior Grade Alkaline Copper Quat (ACQ-B) pressure treated Douglass fir.
    - a. Use either G185 (min.) zinc coated hot-dipped galvanized steel, type 304/316 stainless steel, or copper for fasteners/metal flashing in contact with ACQ treated wood. Do not combine stainless & galvanized steel.
- C. Fasteners (Sheet Metal)
  - 1. Same metal as flashing/sheet metal or other non-corrosive metal. For manufactured products, use fasteners recommended by manufacturer.
- D. Mastic Sealant
  - 1. Polyisobutylene; non-hardening, non-skinning, non-drying, non-migrating sealant.

- E. Metal Accessories
  - 1. Sheet metal clips, straps, anchoring devices and similar accessory units as required for installation of Work, matching or compatible with material being installed, non corrosive, size and gage required for performance.
- F. Termination Bar
  - 1. Rigid PVC or stainless steel termination bar with sealant catch lip.

## **2.05 FABRICATED UNITS**

- A. General Metal Fabrication: Shop fabricate sheet metal units to greatest extent possible. Comply with details shown, and with applicable requirements of SMACNA "Architectural Sheet Metal Manual" and other recognized industry practices. Fabricate for waterproof and weather resistant performance; with expansion provisions for running, sufficient to permanently prevent leakage, damage or deterioration of the Work. Form units to fit substrates. Form exposed sheet metal Work without excessive oil canning, buckling and tool marks, true at line and levels indicated, with exposed edges folded back to form hems.
- B. Seams: Fabricate nonmoving seams in sheet metal with flat lock seams. For metal, tin edges to be seamed, form seams, and solder.
- C. Expansion Provisions: Where lapped or bayonet type expansion provisions in Work cannot be used, or would not be sufficiently water/weatherproof, form expansion joints of intermeshing hooked flanges, not less than 1" deep, filled with mastic sealant (concealed within joints).
- D. Sealant Joints: Where movable, non expansion type joints are indicated or required for proper performance of Work, form metal to provide for proper installation of elastomeric sealant, in compliance with SMACNA standards.

## **PART 3 EXECUTION**

### **3.01 INSTALLATION**

- A. Installation Requirements
  - 1. General: Except as otherwise indicated, comply with manufacturer's installation instructions and recommendations, and with SMACNA "Architectural Sheet Metal Manual".
  - 2. Anchor units of work securely in place by methods indicated, providing for thermal expansion of metal units. Conceal fasteners where possible.
  - 3. Bed flanges of work in a thick coat of bituminous roofing cement where required for waterproof performance.
  - 4. Install membrane flashing in accordance with manufacturer's recommendations. Seam adjacent flashing sheets with adhesive, seal and anchor edges in accordance with manufacturer's recommendations.
  - 5. Nail flanges of expansion joint units to curb nailers, at maximum spacing of 6". Fabricate seams at joints between units with minimum 3" overlap, to form a continuous waterproof system.

### **3.02 CLEANUP AND PROTECTION**

- A. Clean exposed metal surfaces, removing substances which might cause corrosion of metal or deterioration of finish.
- B. Ensure that work will be without damage or deterioration, other than natural weathering, at time of substantial completion.

**END OF SECTION**