

SECTION 076200

SHEET FLASHING, FASCIA AND DRIP EDGE

PART 1 GENERAL

1.1 DESCRIPTION OF WORK

- A. The work under this Section shall generally consist of, but not necessarily be limited to, providing all labor, material, devices and equipment required for installation of flashing and fascia and miscellaneous metal trim to provide a watertight building.

1.2 SUMMARY

- A. This Section includes:
 - 1. Sheet Metal
 - 2. Fasteners
 - 3. Associated Items

1.3 SUBMITTALS

- A. Make submissions in accordance with 'SCHEDULE OF MATERIAL SUBMITTALS', included with these specifications.
- B. No deviations, substitutions or changes of materials, to be incorporated into this project shall be made after approval by the Department, except for written direction by and the approval of the manufacturer of a specific item and re-approval by the Department.
- C. The Department retains the right to require additional items not specifically denoted to be submitted for approval and/or additional clarification.

1.4 QUALITY ASSURANCE

- A. Before commencing work, the Contractor shall have submitted all 'Material Submittals' required for the items to be incorporated into the work under this Section, and received approval from the Department.
- b. Provide products that comply with Factory Mutual, FM 1-90 for use in Zone 2.

1.5 DELIVERY AND STORAGE OF MATERIAL

- A. All material delivered to the site for inclusion under this Section shall bear manufacturers original product labels intact and fully legible.
- B. Material shall be delivered in full, unbroken and/or undamaged condition.

- C. Materials that are stored outside must be kept at least 4” clear of the ground on wood pallets or other suitable dunnage in such a manner as to prevent twisting, bending or damage due to incidental contact, contaminants, inclement weather and/or any other causes. Stored material shall be sloped to promote drainage of water.

1.6 JOB CONDITIONS, CAUTIONS AND WARNINGS

- A. Coordinate work in this Section with the installation of the roofing system including all interfacing with adjoining work such as roof insulation, roof membrane, membrane flashing and other related items to ensure that each element of work performs properly so that combined elements are waterproof and weathertight.
- B. Comply with the membrane manufacturers recommendations/requirements regarding installation/compatibility of the herein specified items with the total roof system.

PART 2 - PRODUCTS

DISCLAIMER

Items specified by specific name of a manufacturer are only to provide a guide to the type, quality, performance characteristics, etc. Equal products by manufacturers not specified will be considered for inclusion into this project provided that they are submitted with sufficient supporting catalog data/information on which to base a decision for approval.

2.1 FABRICATION, GENERAL

- A. Custom fabricate sheet metal flashing and trim to comply with recommendations in SMACNA’s “Architectural Sheet Metal Manual” that apply to design, dimensions, metal, and other characteristics of items indicated.
- B. Shop fabricate items where practicable. Obtain field measurements for accurate fit PRIOR to shop fabrication.
- C. Fabricate sheet metal flashing and trim without excessive oil canning, buckling, and tool marks and true to line and levels indicated, with exposed edges folded back to form hems.
 - 1. Aluminum Seams: fabricate non-moving seams with flat-lock seams. Form seams and seal with epoxy seam sealer. Rivet joints for additional strength.
 - 2. Other metal seams: fabricate nonmoving seams in accessories with flat-lock seams. Tin edges to be seamed, form seams, and solder.
- D. Sealed Joints. Form non-expansion, but movable, joints in metal to accommodate elastomeric sealant to comply with SMACNA recommendations.

- E. Expansion Provisions: where lapped of bayonet-type expansion provisions in the work cannot be used; form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with elastomeric sealant concealed within joints.
- F. Concealed fasteners and expansion provisions where possible on exposed to view sheet metal flashing and trim, unless otherwise indicated.
- G. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, non-corrosive metal, and in thickness not less than that of metal being secured.
- H. Form sections square and accurate to profile, in maximum possible lengths, free from distortion or defects detrimental to appearance or performance

2.2. SHEET FLASHING/ FASCIA/DRIP EDGE

- A. Aluminum sheet: ASTM B 209, Allow 3003, 3004, 3105, or 5005, Temper suitable.
 - 1. Thickness: 0.040
- B. Finish shall be factory applied. Color shall be selected by the Department from Manufacturer's standard or custom colors.

2.4 MISCELLANEOUS MATERIALS

- A. Provide materials and types of fasteners, solder, welding rods, protective coatings, separators, sealants, and other miscellaneous items as required for complete sheet metal flashing and trim installation.
- B. Fasteners: Wood screws, annular threaded nails, self-tapping screws, self-locking rivets and bolts, and other suitable fasteners designed to withstand design loads.
 - 1. Cold-rolled fasteners for flashing and trim: blind fasteners or self-drilling screws, gasketed, with hex washer head.
 - 2. Exposed fasteners: heads matching color of sheet metal by means of plastic caps or factory applied coating.
- C. Sealing Tape: Pressure sensitive, 100% solids, polyisobutylene compound sealing tape with release-paper backing. Provide permanently elastic, non-sag, non-toxic, non-staining tape.
- D. Elastomeric Sealant: ASTM C920, elastomeric polyurethane polymer sealant; of type, grade, class, and use classifications required, to seal joints in sheet metal flashing/trim and remain watertight.
- E. Epoxy Seam Sealer: two-part, non-corrosive, aluminum seam-cementing compound.

PART 3 EXECUTION

3.1 FABRICATION

- A. All metal items shall be factory fabricated to greatest extent possible.

3.2 INSTALLATION

- A. All metals shall be installed per manufacturer's instructions and in compliance with SMACNA recommendations.

3.3 CLEANING

- A. All exposed metals shall be cleaned of any dirt/mud, hand prints, substances that could cause corrosion or deterioration of metal and the factory applied protective coating. Fascia shall be left in a new condition.

3.4 PROTECTION

- A. Contractor shall employ any means necessary to protect the finished fascia from damage by other construction operations until time of Final Inspection. Any damage shall be replaced at no cost to the Department.

END OF SECTION