
PART 1 GENERAL

1.1 REFERENCE

- .1 Comply with the General Conditions of the Contract, Supplementary General Conditions and the requirements of Division 1.

1.2 RELATED WORK SPECIFIED ELSEWHERE

- .1 Rough Carpentry Section 06100
[Blocking, Curbs, Nailing Strips]
- .2 Cast in Place Concrete Section 03300
- .3 Unit Masonry Section 04200
- .4 Sloped Concrete Plank Roof Section 03450
- .4 Modified Bitumen Roofing Section 07531
- .5 Sealants Section 07900
- .6 Mechanical Division 15

1.3 SCOPE OF WORK INCLUDED

- .1 Supply and installation of flashing and trim to make building watertight. This includes sealant at reglets and at all flashing joints and intersections with other materials.

1.4 SUBMITTALS

- .1 Submit shop drawings and samples in accordance with Section 01340.
- .2 Submit drawings of difficult details for review, showing locations of joints and profiles of flashing prior to commencing installation.
- .3 Submit duplicate 2" x 2" samples of each type of sheet metal material , colour and finish.

1.5 WARRANTY

- .1 Provide a Warranty as stipulated in the General Conditions, but for an extended period of two 2 years from the date of final completion and acceptance of the Work. Warranty shall be signed by both manufacturer and installer.

1.6 APPROVED CONTRACTORS

- .1 The work of this section shall be installed by a company that is a member in good standing of the Canadian roofing Contractors Association and who has a minimum of 5 years proven satisfactory roofing experience.

PART 2 PRODUCTS

2.1 MATERIALS

- .1 **Metal Parapet Flashing** : Prefinished Series 5000 paint, preformed 24 gauge in 10' lengths to profiles shown on drawings. Colours to be Vic West # Regent Grey QC-6082 for roof parapet.
- .2 **Underlay for Metal** : Asphalt saturated felts, no 15 plain type to CSA A123.3-M1979.
- .3 **Isolation Paint** : CGSB 1-GP-108M, quick drying, non staining asphalt enamel of approved manufacturer.
- .4 **Sealant** : Two [2] component polyurethane sealant. Sonneborn Sonolastic NP2 Special White BP-2784 or equal.

PART 3 EXECUTION

3.1 FABRICATION

1. Where possible, shop fabricate flashing components in accordance with applicable requirements of SMACNA architectural manual 1972.
2. Carry out fabrication in clean shops, located away from areas where carbon steel is torch cut, ground or cut to ensure no steel dust embeds in prefinished surface.
3. Form sheet metal on bending brake. Perform shaping, trimming and hand seaming on bench, where practicable, using proper sheet metal working tools.

4. Make allowances for thermal movement when forming, installing, interlocking and soldering sheet metal work to avoid buckling, fullness of metal and straining of joints or seams. Maximum length of flashing pieces; 10' - 0". Double back exposed edges at least 1/2" for appearance and stiffness.
5. Form sections square, true and accurate to size. Flashing shall be free from distortion, waves, twist, buckles or other defects detrimental to the appearance and performance.
6. Fabricate flashing, copings, closures, plastic boxes, pipe sleeves and flashing for roof mounted equipment to details shown, unless otherwise indicated.

3.2 INSTALLATION

- .1 Install parapet cap flashing, metal flashing, counter flashings, copings and expansion joints as detailed or as required. Coordinate with Modified Bitumen Roofing - Section 07531.
- .2 Install metal flashing only after membrane and flexible flashing have been inspected by the roofing inspector and accepted by the consultant.
- .3 Use lock type joints allowing for expansion and contraction.
- .4 Install metal drips, cleats, clips and starter strips as shown or required to hold flashing in true planes without deformation.
- .5 Securely fasten flashing and counter flashing over cants and parapets shown by means of approved metal clips.
- .6 Secure continuous locking strips at 12" o.c.
- .7 Slip seams shall be 3" wide, not soldered.
- .8 Locked seams shall be flat.
- .9 Perimeter joints : unless otherwise directed.

- .10 Provide underlay of asphalt saturated felts under sheet metal installed over masonry, concrete or wood. Lay underlay dry as sheet metal work is installed. Secure - lap joints 4".
- .11 Imperfections in sheet metal such as holes, dents, creases, or oil canning is cause for rejection and replacement.
- .12 Repair damaged sheet metal work, wash entire installation down and leave in neat condition.
- .13 Cooperate with mechanical and electrical trades in achieving watertight, leak proof passage of mechanical, electrical and other devices, which penetrate the roofing.
- .14 Install sheet metal sleeve, complete with 4" flanges, and collar, with 4" overlap of sleeve, for flashing cold vent stacks.
- .15 Upon completion of flashing, seal reglets and all locations so noted or required, to provide a weather tight installation.

END OF SECTION