

SECTION 075100 - BUILT-UP BITUMINOUS ROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Built-up roofing membrane, conventional application.
- B. Roofing cant strips, accessories, and roofing vents.

1.02 RELATED REQUIREMENTS

- A. Section 061000 - Rough Carpentry: Wood nailers and curbs.
- B. Section 077200 - Roof Accessories: Prefabricated curb for mechanical equipment.

1.03 REFERENCE STANDARDS

- A. NRCA (RM) - The NRCA Roofing Manual; 2018.

PART 2 PRODUCTS

2.01 ROOFING - CONVENTIONAL APPLICATION

- A. Built-up Bituminous Roofing: Asphalt felt membrane, four ply.

2.02 BITUMINOUS MATERIALS

2.03 ACCESSORIES

- A. Cant Strips: Wood; pressure preservative treated.
- B. Strip Reglet Devices: Galvanized steel, maximum possible lengths per location, with attachment flanges.

PART 3 EXECUTION

3.01 MEMBRANE APPLICATION

- A. Install built-up bituminous roofing system in accordance with manufacturers recommendations and NRCA (RM) applicable requirements.
- B. Equiviscous Temperature (EVT) at Point of Application: Comply with NRCA (RM) recommendations.
- C. Apply membrane plies, weather lap edges and ends, and mop with 20 lbs/square (100 sq ft) (9 kgs/square (9.3 sq m)) of bitumen per ply. Apply plies 2 on 2 in same direction.
- D. Apply smooth, free from air pockets, wrinkles, fish-mouths, or tears.
- E. At intersections with vertical surfaces:
 - 1. Extend membrane and base sheet over cant strips and up a minimum of 4 inches (100 mm) onto vertical surfaces.
 - 2. Mop on base flashing of two additional plies of felt and one ply of base flashing material.
- F. Around roof penetrations, mop in and seal flanges and flashings with two additional plies of felt.
- G. Coordinate installation of roof penetrations and related flashings.

3.02 ROOF COATING INSTALLATION - CONVENTIONAL APPLICATION

- A. Apply roof coatings in accordance with roofing and coating manufacturers' instructions.
- B. Apply aluminized asphalt coating to bitumen top surface at the rate of 1-1/2 to 2 gal/square (100 sq ft) (5.68 L to 7.57 L/square (9.3 sq m)).

3.03 FIELD QUALITY CONTROL

- A. See Section 014000 - Quality Requirements, for general requirements for field quality control and inspection.

3.04 PROTECTION

- A. Protect installed roofing and flashings from construction operations.

- B. Where traffic must continue over finished roof membrane, protect surfaces using durable materials.

END OF SECTION 075100