

SECTION 077100 – ROOF SPECIALTIES AND ACCESSORIES

PART 1 – GENERAL

1.1 DESCRIPTION OF WORK

- A. This Section covers the major requirements only. The supplying of additional fastenings, accessory features and other items not mentioned specifically herein, but which are necessary to make a complete installation shall also be included.
- B. Roof accessories shall meet the following standards:**
 - 1. **SMACNA "Architectural Sheet Metal Manual" details for fabrication of units, including flanges and cap-flashing to coordinate with type of roofing indicated.**
 - 2. **NRCA "Roofing and Waterproofing Manual" details for installation of units.**
- C. Related Work Specified Elsewhere: Refer to all Sections in Division 1, General Requirements.
 - 1. Division 7 Section "Sheet Metal Flashing and Trim" flashing and trim.
 - 2. Division 7 Section "Joint Sealants".

1.2 SUBMITTALS

- A. General: Submittals shall be in accordance with Specification Section 01 33 00.
- B. Product Data including manufacturer's material and finish data, installation instructions, and general recommendations for each specified flashing material and fabricated product.
- C. Shop Drawings of each item specified showing layout, profiles, methods of joining, and anchorage details.

1.3 WARRANTY

- A. Manufacturer's Standard Warranty: Materials shall be free of defects in material and workmanship for a period of five (5) years from the date of purchase. Should a part fail to function in normal use within this period, manufacturer shall furnish a new part at no charge. Electrical motors, special finishes, and other special equipment (if applicable) shall be warranted separately by the manufacturers of those products.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

- A. Thybar Corporation, Addison, IL (Basis of Design)
 - 1. Uni-Curb, Inc., Chicago, IL
 - 2. Roof Products and Systems Corp., Addison, IL
 - 3. Or Architect approved equal prior to Bid.

2.2 MATERIALS

- A. Pre-fabricated Roof Curbs:
 - 1. Curbs shall be all aluminum with 90 degree miter corners and built-in cant strips (curbs shall be completely insulated with a minimum of 1-1/2 inch (38 mm) rigid insulation board). Coordinate with roofing manufacturer.
 - 2. Insulation shall be protected by a 22 gage (U.S. standard) galvanized metal liner.
 - 3. Pressure Treated Wood nailers shall be firmly attached to the metal curb.
 - 4. Curb shall have one coat shop-applied rust resistant paint.

- B. Pre-fabricated Roof Equipment Base Supports:
 - 1. Furnish and install equipment base supports, manufactured by Uni-Curb, Inc., Chicago, IL, Thybar Corporation, Addison, Illinois, or Roof Products and Systems Corporation, Addison, Illinois.
 - 2. Base(s) shall be all steel construction, with continuous base and top plate, completely assembled with arc welded corners.
 - 3. Pressure Treated Wood nailers shall be firmly attached to the continuous top plate.
 - 4. Height of base shall be as detailed.
 - 5. Furnish 18 gage (U.S. standard) galvanized steel cover cap to counter-flash the upturned roofing a minimum of 2 inches.
 - 6. Furnish and install thermal insulation as shown on the Drawings.
 - 7. Base shall have one coat shop applied rust resistant paint.

PART 3 – EXECUTION

3.1 INSPECTION

- A. Verify that curb installation will not disrupt other trades. Verify that the substrate is dry, clean, and free of foreign matter. Correct defects prior to any installation.

3.2 INSTALLATION

- A. Submit product design Drawings for review and approval to the Architect before fabrication.
- B. Contractor shall check as-built conditions and verify the manufacturer's details for accuracy to fit the application prior to fabrication. Contractor shall ensure that installer complies with the manufacturer's installation instructions.
- C. Contractor shall ensure that installer furnishes mechanical fasteners consistent with the roof requirements.

END OF SECTION 077100