

SECTION 077200 - ROOF ACCESSORIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Roof Vent Pipe Flashing.

- B. Related Requirements:

- 1. Section 061000 "Rough Carpentry" for wood nailers, curbs, and blocking.
- 2. Section 073113 "Asphalt shingles" for roof accessories integral with roofing.
- 3. Section 073126 "Slate Shingles" for roof accessories integral with roofing.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of roof accessory indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
- B. Shop drawings: For roof accessories. Include plans, elevations, keyed details, and attachments to other work. Indicate dimensions, loadings, and special conditions. Distinguish between plant- and field-assembled work.
- C. Samples: For each exposed product and for each color and texture specified, prepared on Samples of size to adequately show color.

1.4 INFORMATION SUBMITTALS

- A. Coordination Drawings: Roof plans drawn to scale, coordinating penetrations and roof mounted items. Show the following:
 - 1. Size and location of roof accessories in this section.
 - 2. Method of attaching roof accessories to roof or building structure.
- B. Warranty: Sample of special warranty.

1.5 COORDINATION

- A. Coordinate layout and installation of roof vent pipe flashing with roofing shingles, slate, tile, cedar and/or other installation to provide a leak-proof, weather tight, secure and noncorrosive installation.
- B. Coordinate dimensions with rough-in information or Shop Drawings of location as needed.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Do not store roof accessories in contact with other materials that might cause staining, denting, or other surface damage.

1.7 WARRANTY

- A. Material Warranty: Warranted against manufacturing defects for the life of the original roofing material.
- B. Finish Warranty Period: Life of the original roofing material when installed according to Lifetime Tool & Building Products LLC installation directions.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. A rubber embodiment employing a precision engineered PVC non pinch compression ring that maintains a watertight seal while allowing for thermal movement. Rubber is attached to the plate with a special crimp that is hemmed to protect the rubber from harm. A plate with nailing slots that provides four inches of side flashing under the shingle or tile and six inches or more under the upper courses.

2.2 MANUFACTURER

- A. Lifetime Tool & Building Products LLC, 250 Airport Rd. Winchester, VA. 22601; Toll Free 877-904-1002; website: www.lifetimetool.com; Ultimate Pipe Flashing.

2.3 PREFORMED PIPE FLASHING

- A. Vent Pipe Flashing:
 - 1. Sheet Metal Flange Flashing Plate: 24 Gauge zinc coated steel sheet (galvanized) ASTM A 653/A 653M, G90 coating; embodiment with four provided nailing slots.
 - 2. Ultra-pure high consistency molded Silicone rubber elastomeric seal, and a UV stable PVC compression ring.
 - 3. Precision fit pipe flashings to fit pipe diameters from 1-1/4 inch to 4 inches.

4. Roof pitch; accommodates from low slope zero to 18/12 plus on shingle, slate, cedar and most tile roofs.
- B. Sustainable product fulfills the “Green” product goal by design.
- C. Complies with ASTM E2140 water test, E330 uniform structural load, E283-04 air leakage and E331 water penetration. Dade County FM4471 7-day submersion test, all certified by Farabaugh Engineering and Testing, Inc.

2.4 FINISHES

- A. Two-Coat Fluoropolymer Finish: AAMA 621. System consisting of primer and fluoropolymer color topcoat containing not less than 70 percent PVDF resin by weight.
 1. Color: Medium brown.
- B. Variations in appearance of components are acceptable and they are in the range of approved samples.

PART 3 - EXECUTION

3.1 EXAMINATION AND PREPARATION

- A. Examine substrates, areas and conditions with installer present to ensure actual locations, dimensions and other conditions affecting work.
- B. Ensure substrate is sound, dry, smooth clean, sloped for drainage and securely anchored.
- C. Ensure dimensions of roof openings for roof accessories.
- D. Proceed with caution only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install roof accessories according to manufactures written instructions.
- B. Bring shingle courses up to the pipe far enough to allow the flashing unit to drain onto the lower courses.
- C. Using the provided lubricant towelette, wipe the inside of the Silicone boot and the exterior of the pipe.
- D. Slip the pipe flashing unit over the pipe making sure the compression ring always stays located between the two double neck beads.
- E. Install four roofing nails in the provided slots only, do not nail elsewhere.

- F. Adjust the compression ring upward or downward on the pipe to ensure the Silicone is in a relaxed state.
- G. Do not attach shingles on top of lower flashing surface as this will trap debris.
- H. Allow a minimum of 0.375 inch water channel between the shingles and the embodiment on the sides of the unit, do not nail into flashing, a small dab of caulk may be used to adhere the shingles to the plate.
- I. Continue installing the upper courses allowing for a water channel at all times.

3.3 REPAIR AND CLEANING

- A. Clean exposed surfaces.
- B. Replace any roof accessory that has been damaged or cannot be successfully repaired by touch up paint or similar minor repair method.

END OF SECTION