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Section: 07720—Roof Accessories

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EVALUATION SUBJECT:

**ROLL VENT, RAPID RIDGE AND ECOVENT CONTINUOUS
ATTIC RIDGE VENTS**

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2003 *International Building Code*® (IBC)
- 2003 *International Residential Code*® (IRC)
- 1997 *Uniform Building Code*™ (UBC)
- BOCA® *National Building Code/1999* (BNBC)
- 1999 *Standard Building Code*® (SBC)

Properties evaluated:

Attic ventilation

2.0 USES

Roll Vent, Rapid Ridge and EcoVent Continuous Attic Ridge Vents are installed in conjunction with eave, cornice or soffit vents to provide natural ventilation of enclosed attic and rafter spaces in accordance with the applicable code.

3.0 DESCRIPTION

Roll Vent, Rapid Ridge and EcoVent Continuous Attic Ridge Vents are intended for use on asphalt shingle roofs. The ridge vents consist of a flexible, single-layer, three-dimensional, random nylon matrix matting, with a nonwoven nylon-polyester fabric covering. The Rapid Ridge and EcoVent Continuous Attic Ridge Vent is $\frac{5}{8}$ inch (16 mm) thick and is manufactured in rolls 7, 10 $\frac{1}{2}$ or 11 $\frac{1}{2}$ inches (178, 267, and 292 mm) wide by 20 or 50 feet (6.1 or 15.2 m) long. The Roll Vent Continuous Attic Ridge Vent is $\frac{15}{16}$ inches (24 mm) thick and is manufactured in rolls 10 $\frac{1}{2}$ or 11 $\frac{1}{2}$ inches (267 or 292 mm) wide by 20 or 50 feet (6.1 or 15.2 m) long.

Roll Vent Continuous Attic Ridge Vent shall be considered to provide not more than 16.36 square inches of net free ventilating area per lineal foot of ridge vent (3217 mm²/m). Rapid Ridge and EcoVent Continuous Attic Ridge Vent shall be considered to provide not more than 11.4 square inches of net free ventilating area per lineal foot of ridge vent (2242 mm²/m).

4.0 INSTALLATION

Installation of Roll Vent, Rapid Ridge and EcoVent Continuous Attic Ridge Vents shall comply with this report and the published manufacturer's instructions. The manufacturer's published installation instructions shall be available at the jobsite at all times during installation.

4.1 General:

Roll Vent, Rapid Ridge and EcoVent Continuous Attic Ridge Vents shall be installed over a continuous slot cut into the roof sheathing material on each side of the roof ridge. The minimum nominal width of the slot, measured horizontally, shall be $1\frac{3}{4}$ inches (45 mm) for the Roll Vent and $1\frac{1}{2}$ inches (38 mm) for the Rapid Ridge and EcoVent on each side of the roof ridge. The last 18 inches (457 mm) of roof sheathing at each end of the ridge shall be left uncut. On roofs with ridge boards, a slot with a width of $1\frac{3}{4}$ inches (45 mm) for the Roll Vent and $1\frac{1}{2}$ inches (38 mm) for the Rapid Ridge and EcoVent shall be provided on each side of the ridge board.

The ridge vent material shall be unrolled to cover the entire length of the ridge. The ridge vent shall be completely covered by the roof ridge shingles as illustrated in Figure 1 of this report. The roof ridge shingles shall be fastened in place over the Roll Vent ridge vent material with minimum 2 $\frac{1}{2}$ -inch-long (64 mm), hot-dipped galvanized roofing nails and over the Rapid Ridge and EcoVent vent material with $1\frac{3}{4}$ -inch-long (44.5 mm) nails. Nails shall be installed on each side of the ridge at a maximum spacing of 5 inches (127 mm) on center. The roofing nails shall have a nominal 0.120-inch-diameter (3.05 mm) shank and a 0.412-inch-diameter-by-0.020-inch-

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thick (10.5 mm by 0.51 mm) head and shall be long enough to penetrate through the roof sheathing. The roofing nails shall be driven so that a minimum 0.90-inch (23 mm) clear space remains between the Roll Vent Continuous Attic Ridge Vent and roof shingles. The roofing nails shall be driven so that a minimum 0.625-inch (15 mm) clear space remains between the Rapid Ridge and EcoVent Continuous Attic Ridge Vent and roof shingles. A baffle is also required to be installed per manufacturer's installation instructions.

Where shorter lengths of the roof vent material are used, they shall be spliced together by removing a portion of the nylon matrix and splicing the sections together, with no gaps between the sections.

5.0 CONDITIONS OF USE

The Roll Vent, Rapid Ridge and EcoVent Continuous Attic Ridge Vents described in this report comply with those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 Installation shall comply with this report, the manufacturer's published instructions and the applicable code.
- 5.2 Roll Vent, Rapid Ridge and EcoVent Continuous Attic Ridge Vents shall be limited to installation on roofs with a minimum slope of 3 units vertical in 12 units horizontal (25%) and a maximum slope of 18 units vertical in 12 units horizontal (150%).
- 5.3 A maximum of one-half of the ventilation openings shall be provided by the ridge vent and the balance of the openings provided by eave or cornice vents in

accordance with Section 1202.2 of the IBC, Section 806.2 of the IRC, Section 1210.1 of the BNBC and Section 2309.7 of the SBC.

- 5.4 Roll Vent, Rapid Ridge and EcoVent Continuous Attic Ridge Vents shall be completely covered with asphalt roof shingles that comply with the requirements of the applicable code and are limited to installation on roofs permitted to be unclassified.
- 5.5 Installation shall be limited to areas subject to maximum basic wind speeds (fastest mile) of 80 miles per hour (129 km/h), on structures a maximum of 40 feet (12 192 mm) in height, in Exposure D areas.
- 5.6 Roof diaphragm nailing requirements of the applicable code shall be addressed, and the vent installation shall be approved by the code official.

6.0 EVIDENCE SUBMITTED

- 6.1 Manufacturer's published installation instructions.
- 6.2 Data in accordance with the ICC-ES Acceptance Criteria for Attic Vents (AC132), dated January 2001 (editorially revised April 2005).
- 6.3 A quality control manual.

7.0 IDENTIFICATION

The product packaging for the Roll Vent and Rapid Ridge Continuous Attic Ridge Vents described in this report shall bear the name and address and/or trademark of one of the additional listees in this evaluation report, the product type and the evaluation report number (ESR-1059).

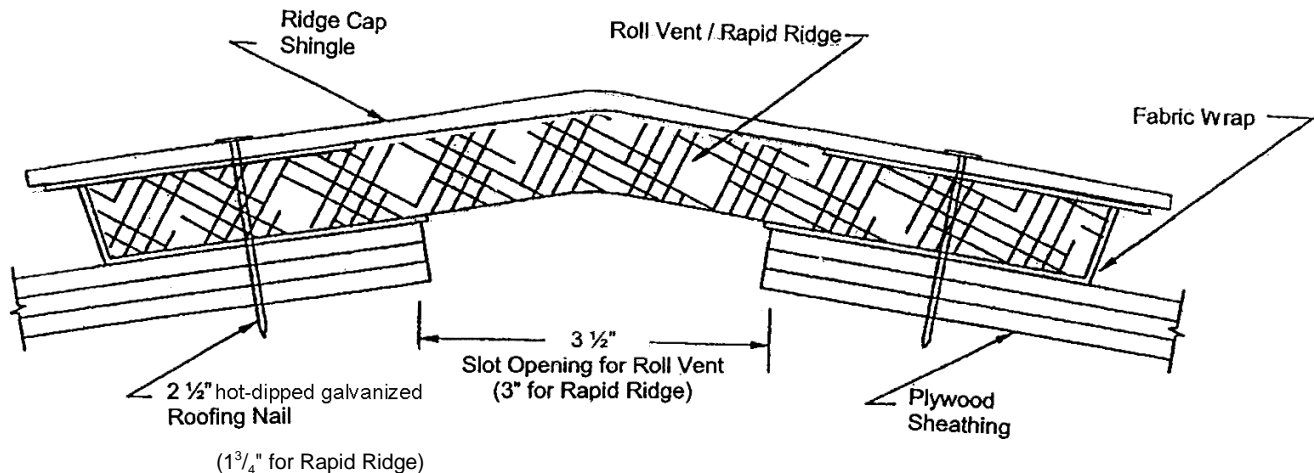


FIGURE 1