



MILLENNIUM METALS, INC.

10200 Eastport Road Jacksonville, FL 32218
877-358-7663

Off Ridge Vent Installation

A. Preparation

To prepare roof for installation it will be necessary to determine how many and what type of vents will be needed for the project.

Off Ridge Ventilation should be installed as evenly as possible across the roof section. The roof vent should be installed a minimum of 6" off the peak of the ridge. Cut out sizes are located below in **Table 1-1**.

IMPORTANT NOTE: DO NOT CUT INTO RAFTERS OR TRUSSES.

When installing vents on an existing shingle roof remove shingles from the sides and top of the opening. Remove any nails that interfere with installing the vent. This typically includes nails that are to be 3" within the body of the vent. Shingles and existing nails should remain on the bottom slope up to the cut opening.

Roof cement is necessary around the perimeter of the underside of the vent to seal it to the underlayment or shingles. The cement should also be installed on the vent completely cover back and side flanges. The cement should be 1/4" thick and should extend 2" onto the underlayment. The lower portion of the vent should already have shingles installed up to the cut opening. The lower portion of the vent should sit on the roof cement and careful attention should be paid not to block weep holes. Shingles should be installed on the back and side flanges of the vent. All nail areas should be covered with cement.

B. Opening & Positioning

The cut opening should be positioned a minimum of 10" from the back flange. This allows a minimum clearance of 2-1/2" from the roof to the top of the vent. The vent should be centered horizontally over the opening.

Off Ridge Vent Installation Chart		
<u>Length</u>	<u>Net Free Area (sq in)</u>	<u>Cut Out Size</u>
4'	80.5	46" x 2-1/2"
6'	122.5	70" x 2-1/2"
8'	164.5	94" x 2-1/2"
10'	206.5	118" x 2-1/2"

Table 1-1

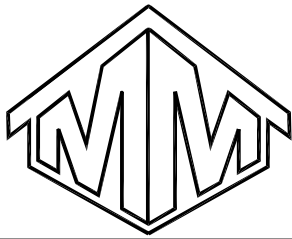
C. Fastening of the Off Ridge Vent

1) Fasten the top and side flanges with a minimum of 1-1/2" ring shank nail 4" on center. The nail should be 1-1/2 inches from the edge of the flange and 1-1/2" from the corners of the vent.

2) Attach the bottom of the vent using a minimum #9x 1-1/2 screw fastener 14" to 16" inches on center as indicated by pilot holes in the screen. An extension socket for your screw gun may be necessary to securely snug fastener. Screws are provided in packaging.

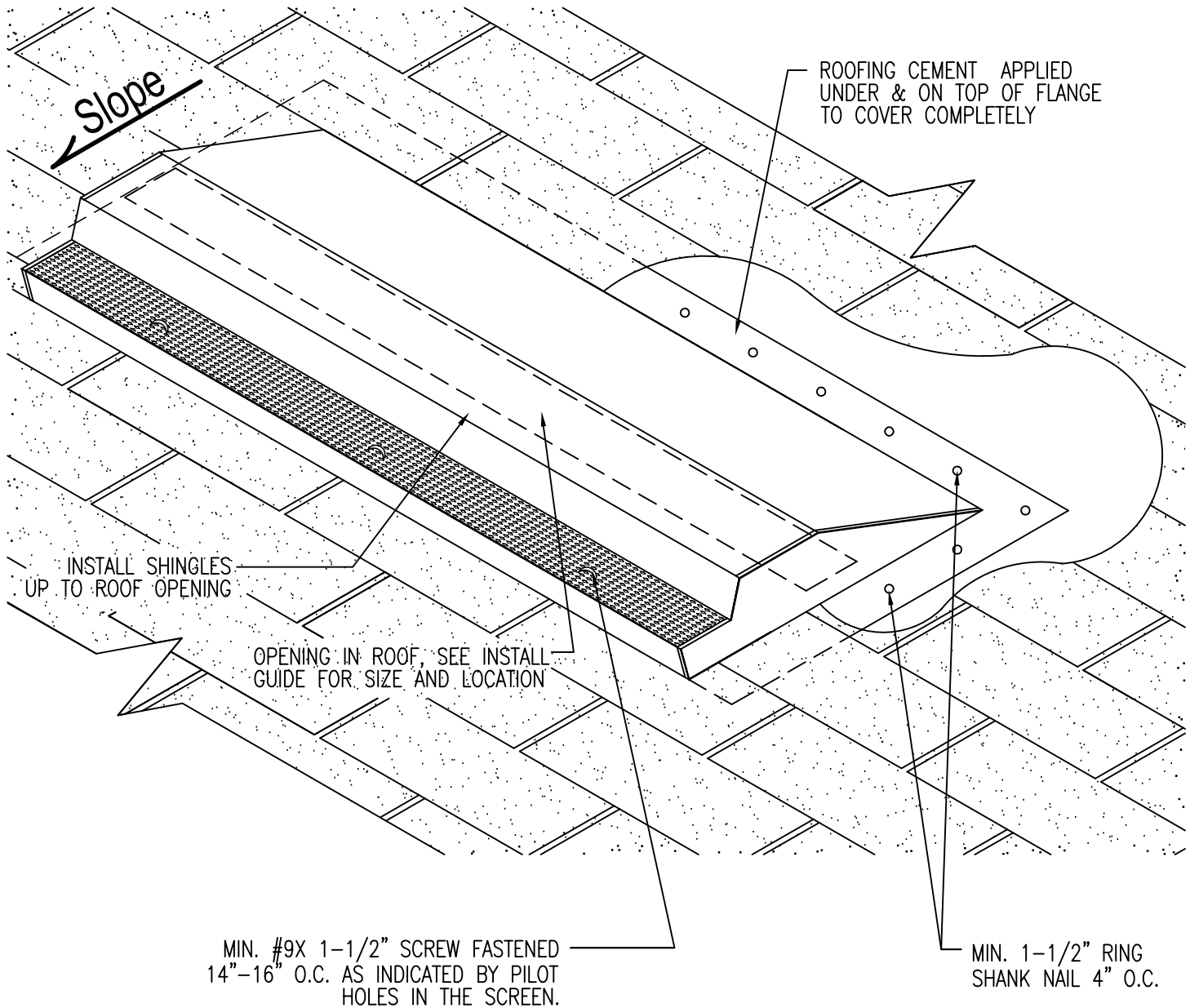
Millennium Metals manufactures off ridge vents in the following gauges of steel & aluminum, which meets the requirements of the 2004 Florida Building Code (chapter 15).

26 gauge (.0179 min) AZ50 Acrylic Coated Galvalume Steel
26 gauge (.0179 min) ASTM A-653 Steel G-90 Commercial Steel Type B
26 gauge (.0179 min) ASTM A-755 Ptd Steel Commercial Steel Type B
Ptd Aluminum (.025 min) ASTM B-209



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OFF RIDGE VENT

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SUBJECT TO CHANGE WITHOUT NOTICE

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