



EVALUATION REPORT

FLORIDA BUILDING CODE, 8TH EDITION (2023)

Manufacturer: Southeastern Metals Manufacturing Co., Inc. (SEMCO) *Issued December 17, 2023*
2737 Ignition Drive
Jacksonville, FL 32218
(800) 874-0335
<http://www.semetals.com>

Manufacturing Plant: Jacksonville, FL

Quality Assurance: UL LLC (QUA9625)

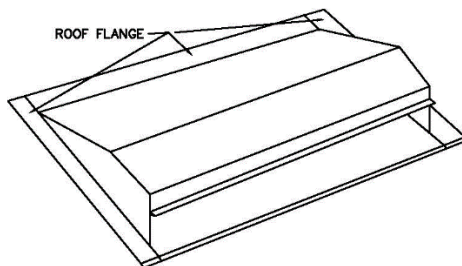
SCOPE

Category: Roofing
Subcategory: Roofing Accessories that are an Integral Part of the Roofing System
Code Edition: Florida Building Code, 8th Edition (2023)
Code Sections: 1503.5, 1709.2
Properties: Roof Ventilation

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
PRI Construction Materials Technologies (TST5878)	SEM-034-02-01.1	TAS 100(A)	2023
PRI Construction Materials Technologies (TST5878)	SEM-036-02-01	ASTM E 330	2014
Zachary R. Priest, P.E. (CREEK Technical Services)	SEM14003	Calculations	2014

PRODUCT DESCRIPTION

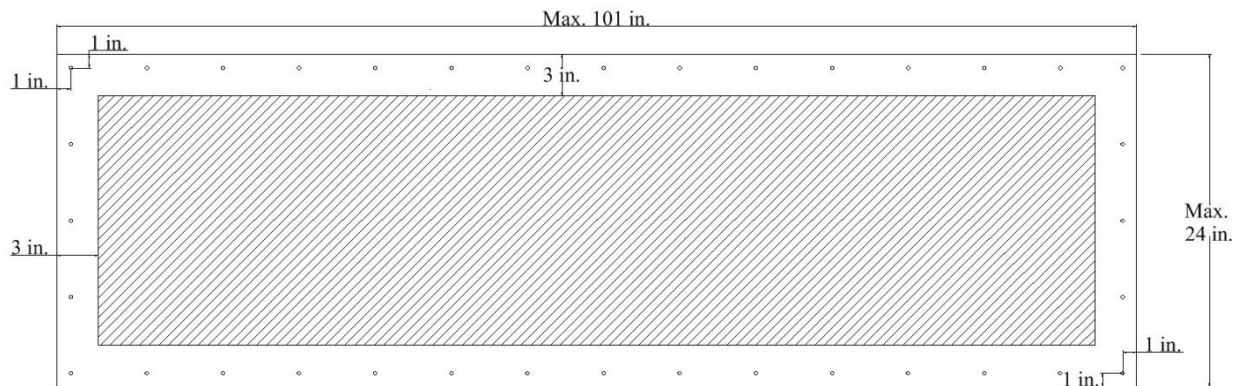


Tile Off Ridge Vent: Minimum 26 ga. ASTM A792 or ASTM A653 CS Type B steel; Shall conform with FBC Section 1503.2

Maximum dimensions of the vent are 24-inch wide x 101-inch long x 8-inch high. Vent is available in nominal 4-ft, 6-ft and 8-ft sizes with or without optional external baffle.

PRODUCT APPLICATION

Deck Type:	Minimum 7/16-inch APA span rated OSB sheathing or 15/32-inch, CDX, APA span rated plywood sheathing for new and existing roof deck (Deck shall be designed by others in accordance with FBC requirements).
Roof slope:	Minimum 3:12
Installation Height:	Maximum 33-ft
Roof Cut-Out:	2.5-inch wide x 42-inch opening for the nominal 4-ft vent 2.5-inch wide x 66-inch opening for the nominal 6-ft vent 2.5-inch wide x 90-inch opening for the nominal 8-ft vent
Attachment Method:	Cut-out opening as prescribed above into the sheathing located a minimum 6-inch off the ridge. For a single vent, install the vent as close to the center of the roof length as possible. Multiple vents should be evenly spaced along the roof length.
Attachment Method (Continued):	Attach the vent with <u>#9 x min. 1.5-inch HWH screws with 0.5-inch sealing washers</u> or <u>min. 12 ga. x 1-1/4-inch ring shank nails with min. 3/8-inch diameter heads</u> having sufficient length to penetrate through the sheathing a minimum of $\frac{3}{8}$ -inch. The fasteners shall be located 1-inch from the edge of the flange and 5.5-inches o.c. along all four sides of the vent. When nails are used to attach the vent, all penetrations through the vent flange shall be sealed using ASTM D 4586 or ASTM D 3409, Type I roofing cement/mastic.



Allowable Roof Coverings:	Clay and Concrete Tile Roofing
Maximum Design Pressure	-9 psf <i>Pressures calculated using 2:1 margin of safety per 1504.9</i>

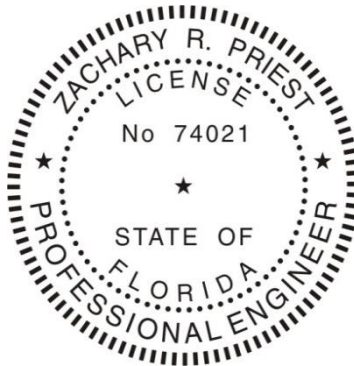


LIMITATIONS

- 1) This report is not for use in the HVHZ.
- 2) Fire Classification is outside the scope of this evaluation.
- 3) The roof deck and deck attachment shall be designed by others in accordance with the FBC.
- 4) SEMCO vents shall be installed in strict compliance with this evaluation report and the manufacturer's published installation instructions. In the event of conflict, the more restrictive installation shall be enforced.
- 5) Deck substrates shall be clean, dry, and free from any irregularities and debris. All fasteners in the deck shall be checked for protrusion prior to installation.
- 6) Installation of the roof assembly is outside the scope of this evaluation.
- 7) SEMCO vents are intended to provide passive ventilation for an enclosed attic in residential construction applications
- 8) All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

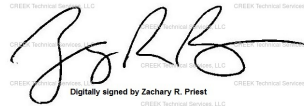
COMPLIANCE STATEMENT

The products evaluated by Zachary R. Priest, P.E. herein have demonstrated compliance with the Florida Building Code, 8th Edition (2023) as evidenced in the referenced documents submitted by the named manufacturer.



This item has been
digitally signed and
sealed by Zachary R.
Priest, PE, on 12/17/2023.

Printed copies of this
document are not
considered signed and
sealed and the signature
must be verified on any
electronic copies.


Digitally signed by Zachary R. Priest
CREEK Technical Services, LLC

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Zachary R. Priest, P.E.
Florida Registration No. 74021
Organization No. ANE9641

CERTIFICATION OF INDEPENDENCE

CREEK Technical Services, LLC does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

CREEK Technical Services, LLC is not owned, operated, or controlled by any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

END OF REPORT