

Evaluation Report

FLAMCO Hurricane Country Shingle Over Vent

Manufacturer

Florida Metal Products Inc.

P.O. Box 6310
Jacksonville, FL 32236
(904)-783-8400

For

Florida Product Approval

FL 28117.1

Florida Building Code 6th Edition (2017)

Per Rule 61G20-3

Method: 2 - B

Category: Roofing

Sub - Category: Roofing Accessories that are an Integral
Part of the Roofing System

Product Name: *Hurricane Country Shingle Over Vent*
Product Description: *Roof Ridge Vent*

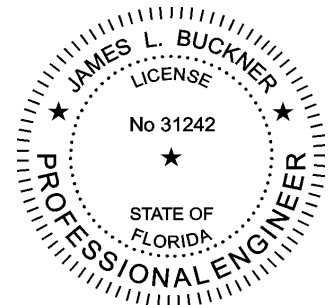
Prepared by:

James L. Buckner, P.E., SECB
Florida Professional Engineer # 31242
Florida Evaluation ANE ID: 1916
Project Manager: Diana Galloway
Report No. 18-173- HCSOVent-ER
Date: 9 / 6 / 18

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Facsimile of digital copy signed by
James L. Buckner, P.E.
Electronically signed and sealed documents shall
comply with the provisions of FAC Rule 61G15-23.



A handwritten signature in blue ink, appearing to read "James L. Buckner".

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Manufacturer: Florida Metal Products Inc. dba FLAMCO
P.O. Box 6310
Jacksonville, FL 32236
(904)-783-8400
<http://flamco.com/>

Product Name: Hurricane Country Shingle Over Vent

Product Category: Roofing

Product Sub-Category: Roofing Accessories that are an Integral part of the Roofing System

Compliance Method: State Product Approval Rule 61G20-3.005 (2) (b)

Product Description: Roof ridge vent made of polypropylene rubberized copolymer, measuring 48" long x 13-1/2" wide. This evaluation report includes the following roof ridge vent models:

Models:	MODEL	VENT DESCRIPTION
	Hurricane Country Shingle Over Vent	Includes interior baffles
	Hurricane Country Shingle Over Vent II	Includes exterior baffles

Product Assembly as Evaluated: Roof Vent, Fasteners, Deck

Support:
Type:
Wood Deck
(Design of support and its attachment to support framing is outside the scope of this evaluation.)

Description:

- 15/32 (min.) or greater plywood

Roof Slope: Minimum slope shall be in compliance with FBC Chapter 15 based on the type of roof covering, applicable code sections and in accordance with manufacturer's recommendations.

Performance:	MODEL NUMBER	DESIGN UPLIFT PRESSURE*
	Hurricane Country Shingle Over Vent	-173 PSF
	Hurricane Country Shingle Over Vent II	-173 PSF

** Allowable design pressure(s) for allowable stress design (ASD) with a margin of safety of 1.5 to 1.*

Specialty Structural Engineering

CBUG, Inc. Certificate of Authorization #8064

- Performance Standards:** The following test protocol was performed to demonstrate compliance with the intent of the code: **ASTM E330-14** – *Standard Test Method for Structural by Uniform Static Air Pressure Difference*
- Standards Equivalency:** The ASTM E330-02 standard version used to test the evaluated product assembly is equivalent with the prescribed standards in UL ASTM E330-14 adopted by the Florida Building Code 6th Edition (2017).
- Code Compliance:** The product(s) described herein have demonstrated compliance with the performance standards listed above as referenced in the current Florida Building Code.
- Evaluation Report Scope:** This product evaluation demonstrates compliance of this product with the structural wind load requirements of the Florida Building Code, as related to Florida Product Approval Rule 61G20-3.001.
- Product Limitations and Conditions of Use:**
- The ridge vents shall be installed in accordance with applicable Building Codes and in compliance with manufacturer’s installation instructions.
 - Refer to applicable building code section for ventilation requirements.
 - This product shall not be installed on roof slopes less than 2 : 12.
 - Structural loads shall comply with the design provisions of the FBC 6th Edition (2017), Chapter 16, Section 1609.
- General Limitations and Conditions of Use:**
- Scope of “Limitations and Conditions of Use” for this evaluation:
This evaluation report for “Optional Statewide Approval” contains technical documentation, specifications and installation method(s) which include “Limitations and Conditions of Use” throughout the report in accordance with Rule 61G20-3.005. Per Rule 61G20-3.004, the Florida Building Commission is the authority to approve products under “Optional Statewide Approval”.
 - Option for application outside “Limitations and Conditions of Use”
Rule 61G20-3.005(1)(e) allows engineering analysis for “project specific approval by the local authorities having jurisdiction in accordance with the alternate methods and materials authorized in the Code”. Any modification of the product as evaluated in this report and approved by the Florida Building Commission is outside the scope of this evaluation and will be the responsibility of others.
 - This report is a building code product evaluation per FLPE rule (FAC) 61G15-36 to comply with Florida product approval rule (FAC) 61G20-3. This evaluation report is part of the Florida Building Commission approval for the listed code related criteria. This report by James Buckner, P.E. and CBUG Engineering is not a design certification of code compliance construction submittal documentation, per FBC section 107, for any individual structure, site specific or permit design.
 - All metal components and fasteners shall be corrosion resistant in accordance with applicable sections of FBC, including but limited to Sections 1504.3.2, 1506.6 and 1507.4.4.
 - Design of support system is outside the scope of this report.
 - Fire Classification is outside the scope of Rule 61G20-3, and is therefore not included in this evaluation.
 - This evaluation report does not evaluate the use of this product for use in the High Velocity Hurricane Zone code section. (Dade & Broward Counties)

Quality Assurance: The manufacturer has demonstrated compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity Keystone Certifications, Inc. (FBC Organization #: QUA 1824).

Component(s) **Ridge Vent Model List and Description:**

Material Standards:

MODEL	VENT DESCRIPTION
Hurricane Country Shingle Over Vent	Includes interior baffles
Hurricane Country Shingle Over Vent II	Includes exterior baffles

Ridge Vent Material: Polypropylene Rubberized Copolymer
Dimensions: 48" Long x 13-1/2" wide

Fastener

Use: Attaches Ridge Vent Base to Plywood Deck
Type: Galvanized Roofing Nail
Size : 2-1/2" x 0.125" Shaft Diameter
Standard: Per ANSIASME B18.6.1
Corrosion Resistance: Per FBC Section 1506.6

Installation: **Installation Method:**

The base of the vent shall be attached to the deck with roofing nails per this report. One fastener shall be attached located 3" from each end and then 6-1/2" o.c. The fasteners must be long enough to penetrate into and through the roof deck.

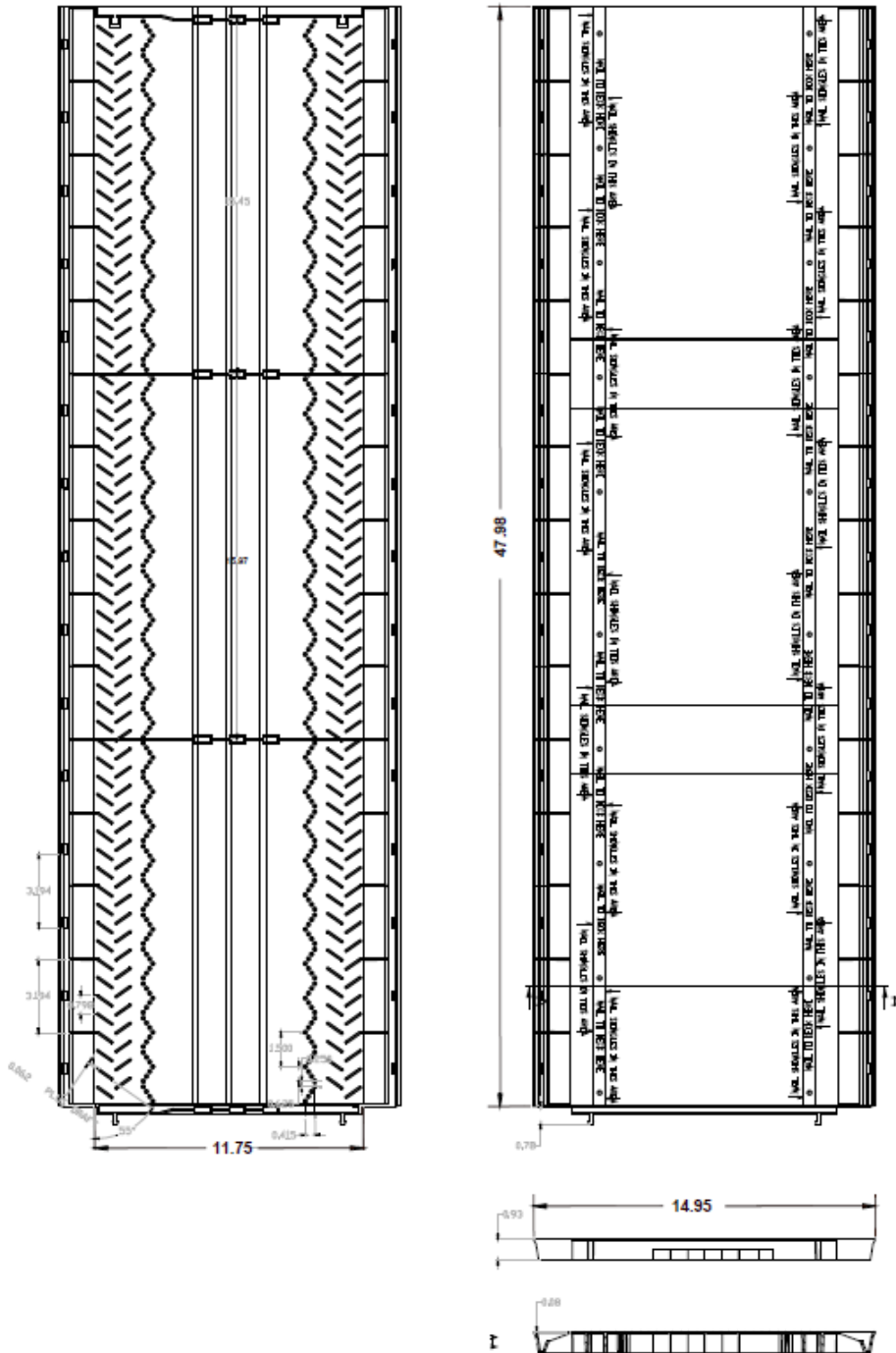
"Hurricane Country Shingle Over Vent" shall be installed in compliance with the installation method listed in this report. The installation method described herein is in accordance with the scope of this evaluation report. Refer to manufacturer's installation instructions as a supplemental guide for attachment.

Evaluated

Referenced Data:

1. ASTM E330-02 Uniform Static Air Pressure Difference Test
By Fenestration Testing Laboratory (FTL) (FBC Organization ID# TST 6983)
Project #: 12-4039, Dated: 07/24/16
2. Quality Assurance
By Keystone Certifications, Inc. (FBC Organization #: QUA 1824)
Licensee #440
3. Equivalency of Test Standard Certification
By James L. Buckner, P.E. @ CBUG Engineering
(FBC Organization # ANE 1916)
4. Certification of Independence
By James L. Buckner, P.E. @ CBUG Engineering
(FBC Organization # ANE 1916)

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Typical Profile Drawings