

Evaluation Report "Stampco Ventilator" Off Ridge Vent Assembly

Manufacturer:

Stampco, Inc.

2930 Mercury Road
Jacksonville, FL 32207

for

Florida Product Approval

FL 16160.1 R6

Florida Building Code 8th Edition (2023)

Method: 2 - B

Category: Roofing

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

Product Name: "Stampco Ventilator"

Product Description: Off Ridge Vent Assembly

Material: Steel

Support: Wood Deck

This item has been digitally signed and sealed by
James L. Buckner, P.E., on this date below. Printed
copies of this document are not considered signed
and sealed, and the signature must be verified on
any electronic copies.

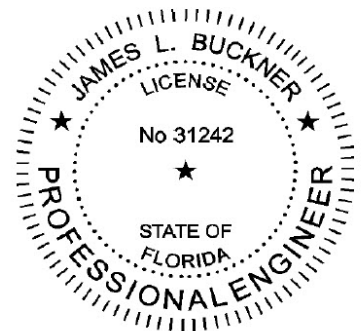
Prepared by:

James L. Buckner, P.E., SECB
Florida Professional Engineer # 31242
Florida Evaluation ANE ID: 1916
Project Manager: Diana Galloway
Report No. 24-688-RV-W-ER
(Revises 23-576-STVent-RV-ER, FL16160.1 R5)
Date: 8/21/2024

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Evaluation Report

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James L. Buckner, P.E.
FL31242

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

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CBUCK, Inc. dba CBUCK Engineering

Phone: (561) 491-9927 · Email: cbuck@cbuckinc.net · Website: www.cbuckinc.net
Business: 1374 Community Dr., Jupiter, FL 33458

Manufacturer:	Stampco, Inc. 2930 Mercury Road Jacksonville, FL 32207 (904) 737-6144
Product Name:	“Stampco Ventilator”
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/System Description:	The Stampco Ventilator is a low profile, off-ridge vent for pitched roofs. It is fabricated from 26 gauge, G-90 primed, galvanized steel with a galvanized steel mesh covering. The Stampco Ventilator is mechanically attached to Plywood Deck.
Product Assembly as Evaluated:	Refer to Page 4 of this report for product assembly components/materials & standards: 1. Roof Vent 2. Fasteners
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, or • Wood plank deck (based on minimum density/specific gravity of 0.42)
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:	Wind Resistance * Design Uplift Pressure: - 45 PSF * Allowable design pressure(s) for allowable stress design (ASD) with a margin of safety of 2 to 1.

- Performance Standards:** The following test protocol was performed to demonstrate compliance with the intent of the code as this product does not specifically address the performance standard in the code.
- **ASTM E330-14** – *Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors and 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 ASTM E330-14 adopted by the Florida Building Code 8th Edition (2023).
- Code Compliance:** The product described herein has demonstrated compliance with Florida Building Code 8th Edition (2023), Section 1708.2.
- Evaluation Report Scope:** This product evaluation is limited to compliance with the structural requirements of the Florida Building Code, as related to the scope section to Florida Product Approval Rule 61G20-3.001.
- Product Limitations and Conditions of Use:**
- 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 8th Edition (2023), 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 CBUCK 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 through **Keystone Certifications, Inc.** (FBC Organization #: QUA 1824).

**Components/Materials
(by Manufacturer):**

Ridge Vent: "Stampco Ventilator"
Ventilator Unit:
Material: Steel
Thickness: 26 gauge (min.)
Yield Strength: 40 ksi min.
Corrosion Resistance: In compliance with FBC Section 1507.4.3:

- ASTM A792 coated, or
- ASTM A653 G90 galvanized steel

Dimensions:
Width: 19"
Height: 4-1/2"
Lengths: 4', 6', 8' and 10'

Fastener(s):
Base Fastener: Attaches Roof Vent to Deck
Type: Annular Ring Shank Roofing Nails
Size: 0.125" (Shank Diameter) × 2-1/2" (Long)
Corrosion Resistance: Per FBC Section 1506.5
Standard: Per ASTM F 1667

Alternate Fastener: Attaches Roof Vent to Deck
Type: Hex-Head Wood Screw
Size: #10 × 1-1/2" (min.)
Corrosion Resistance: Per FBC Section 1506.6 and 1507.4.4
Standard: Per ANSI/ASME B18.6.4

Roof Adhesive:
Type: Heavy bodied Flashing Cement
Description: Asbestos-free asphalt based roof cement
Application Size : 1/4" thick (min.)
Standard: Per ASTM D 4586 Type I

Installation:

Installation Method:

(Refer to drawings at the end of this report.)

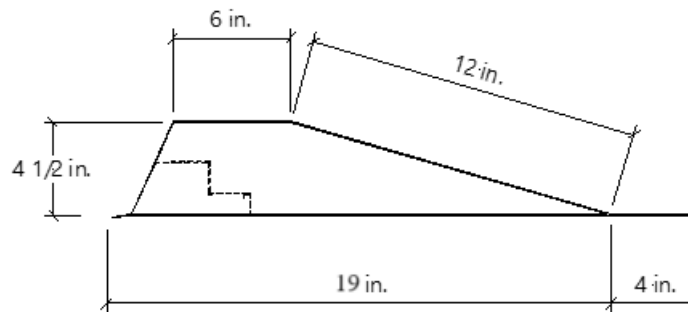
- Prepare deck opening by trimming any shingles & existing nails that may interfere with ridge vent installation.
- Apply roof cement to the underside, back and side flanges of the ridge vent. Cement should be a 1/4" thick and extend 2" onto roof underlayment. (Install cement in compliance with manufacturer's installation guidelines.)
- Position vent base flange beneath loosened shingles and align with deck opening.
- Attach the "Ventilator" unit side flanges to deck with nails or screws spaced **8" o.c.** and 1-1/2" from each end.
- Minimum fastener penetration thru bottom of support, 3/16".
- Apply Roofing Cement to exposed fastener heads.

Install the "Stampco Ventilator" Off Ridge Vent assembly in compliance with the installation method listed in this report and applicable code sections of FBC 8th Edition (2023). 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.

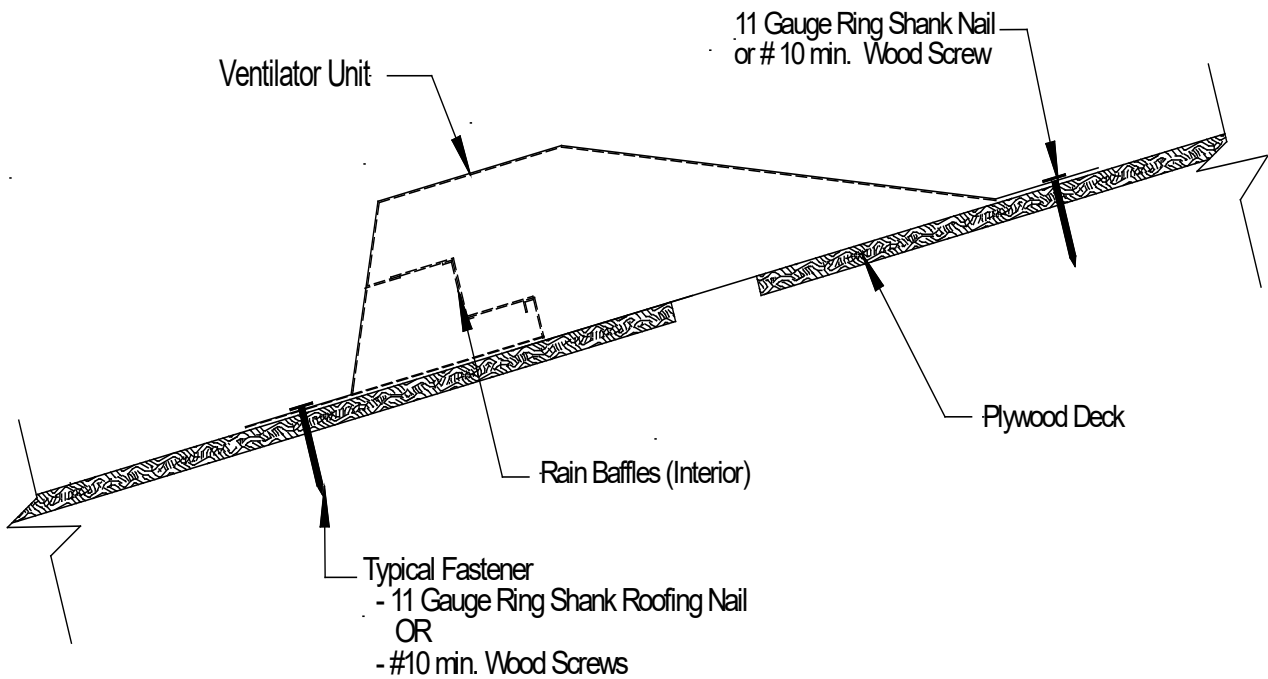
Evaluation Referenced Data:

1. ASTM E330-02 Uniform Static Air Pressure Difference Test
PRI Asphalt Technologies, Inc.(FBC Organization #TST ID: 5878)
Report #: STPC-003-02-01, Report Date: 1/7/13
2. Quality Assurance
By Keystone Certifications, Inc. (QUA ID: 1824)
Stampco, Inc. Licensee # 447
3. Certification of Independence
By James L. Buckner, P.E. @ CBUCK Engineering
(FBC Organization # ANE 1916)
4. Engineering Analysis
By James L. Buckner, P.E. @ CBUCK Engineering
(FBC Organization # ANE 1916)

Installation Method Stampco, Inc. “Ventilator” (Off Ridge Vent) Attached to Plywood Deck



Profile Side View (Not To Scale)

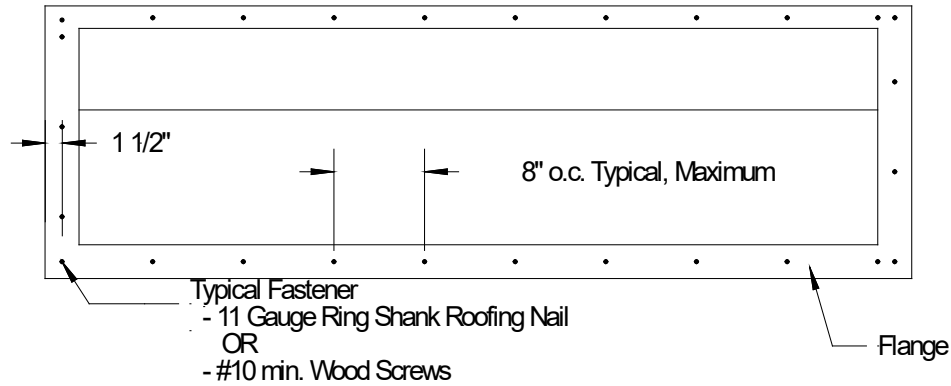


Typical Side View (Not To Scale)

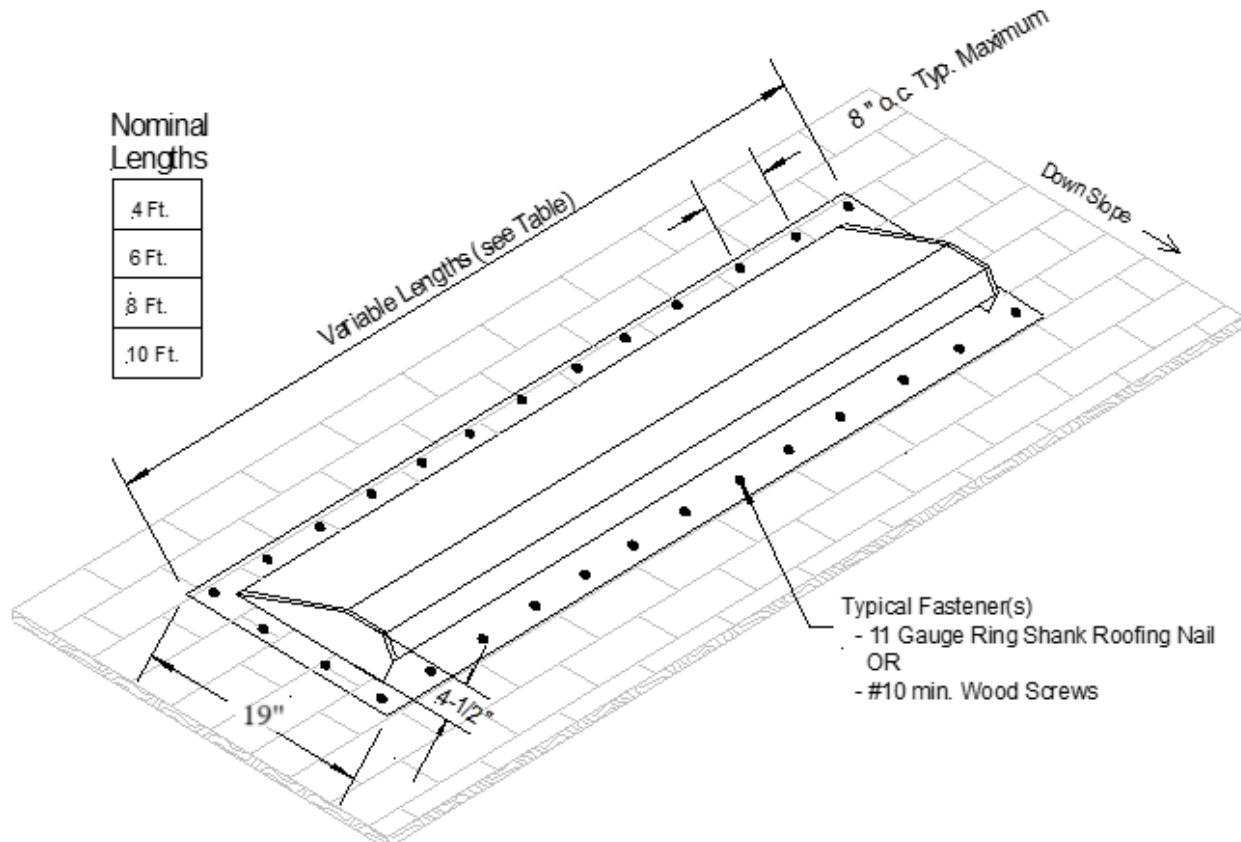
Installation Method

Stampco, Inc.

"Ventilator" (Off Ridge Vent) Attached to Plywood Deck



Top Plan View (Not To Scale)
(Typical Fastening Pattern)



Typical Ridge Vent Assembly
Isometric View (Not To Scale)