Evaluation Report

Air Vent Inc.

RidgeHawk™

Ridge Vent

Manufacturer:

Air Vent Inc.

4117 Pinnacle Point Drive
Suite 400
Dallas, TX 75211

for

Florida Product Approval

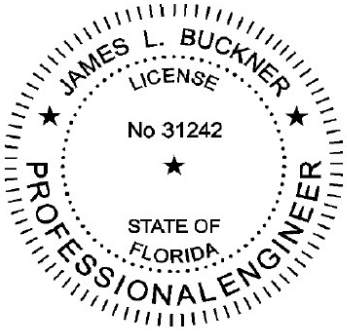
FL 41918.1 R2

Florida Building Code 8th Edition (2023)

Method: **2 - B**
Category: **Roofing**
Sub - Category: **Roofing Accessories that are an Integral Part of the Roofing System**

Product Name: ***RidgeHawk™***
Product Description: **Ridge Vent**

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.



James L. Buckner, P.E.
FL31242

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Prepared by:
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Florida Evaluation ANE ID: 1916
Project Manager: Diana Galloway
Report No. 24-654-RH-ER
(Revises 23-571-RH-ER, FL41918.1 R1)
Date: 2/28/2024

Contents:

Manufacturer:

Air Vent Inc.
4117 Pinnacle Point Drive
Suite 400
Dallas, TX 75211
(800) 247-8368 (800-AIR-VENT)
www.airvent.com

Product Category: Roofing

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

Product Description: Rolled ridge vent made from non-woven polyester fiber.

Product Assembly as Evaluated: Ridge Vent, Fasteners
Refer to Page 4 of this report for product assembly components/materials & standards:

PRODUCTS				
Model	**Vent Type**	**Mat'l**	**Dimensions**	**Thickness**
RIDGEHAWK™	Rolled Ridge Vent	Non-woven Polyester Fiber	11" x 20'	.750"

Support:

Types:
OSB Deck or Plywood Deck
(Design of support system is outside the scope of this evaluation.)

Description:
1. OSB Deck, Min. Thickness: 1/2"
2. Plywood Deck, Min. Thickness: 15/32"

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: Wind Uplift Resistance:
- Design Uplift Pressure: Refer to **TABLE A**

Performance Standards: The following test protocol was performed to demonstrate compliance with the intent of the code: **ASTM E330** – *Standard Test Method for Structural by Uniform Static Air Pressure Difference*

Code Compliance: The product(s) described herein have demonstrated compliance with the performance standards listed above as referenced in:
Florida Building Code 8th Edition (2023), Section 1708.2

Evaluation Report Scope:

This building envelope product is evaluated for compliance with the structural requirements of the Florida Building Code, per the scope sections of 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 3 : 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".
- 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)
- 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.

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 UL, LLC (FBC Organization #: CER 9626).

Component(s) Material Standards/ Performance:

TABLE A
ALLOWABLE LOADS

Model	Vent Type	Mat'l	Dimensions	Thickness	Design Pressure
RIDGEHAWK™	Rolled Ridge Vent	Non-woven Polyester Fiber	11" x 20'	.750"	**-175 PSF**
Evaluated Roof Type: Asphalt Shingles					
Note: Allowable uplift design pressure(s) for allowable stress design (ASD) with a margin of safety of 2 to 1.					

Fastener:

Use:	Attaches Ridge Vent Base to Plywood Deck
Type:	Steel Roofing Nail
Size:	11 ga. Or 12 ga.
Dimensions:	1-5/8" × 1/8" Shank Dia. x 3/8" Head Dia.
Standard:	Per ANSI/ASME B18.6.1

Roofing Cement:

Use:	Seal edges
Type:	Asphalt roofing cement
Size:	1/8" continuous bead 3" from all edges
Standard:	Per ASTM 4586

Installation:

RIDGEHAWK™ Ridge Vent:
The vent shall be attached to the deck with roofing nails per this report. One fastener shall be attached located 4" from each end and 4" o.c. Cap shingles shall be placed directly over RidgeHawk ridge vent and attached through the shingles and ridge vent with fasteners long enough to penetrate through the roof deck a minimum of 1/8".

"RIDGEHAWK™" 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 Uniform Static Air Pressure Difference Test
   By Intertek – Plano, TX
   (FBC Organization ID# TST 2609)
   Project #: P0592.01-801-44-r0, Dated: 09/12/22
2. Quality Assurance By UL, LLC
   (FBC Organization #: CER 9626)
   Air Vent, Inc. UL File E61959
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)

Air Vent Inc.
RidgeHawk™
Ridge Vent Profile Illustration

AIR VENT INC.
A GIBRALTAR INDUSTRIES COMPANY

RidgeHawk™