

Evaluation Report

Atlas Roofing's HIGHPOINT AL50 Static, Square Slant Roof Vent

Manufacturer: Atlas Roofing Corporation

2000 RiverEdge Parkway
Suite 800
Atlanta, GA 30328
(770) 946-4571
for

Florida Product Approval

FL 40564.1 R1

Florida Building Code 8th Edition (2023)

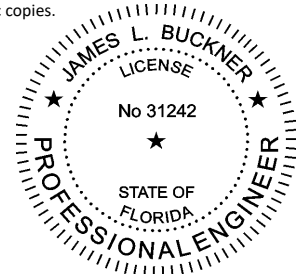
Method: 2 - B
Category: Roofing
Sub - Category: Roofing Accessories that are an Integral
Part of the Roofing System

Product Name: HIGHPOINT AL50
Product Description: *Static Roof Vent*

Prepared by:

James L. Buckner, P.E., SECB
Florida Professional Engineer # 31242
Florida Evaluation ANE ID: 1916
Project Manager: Diana Galloway
Report No. 23-578-HPAL50-RV-ER
(Revises 21-455-HPAL50-RV-ER, FL405641 R0)
Date: 08/16/2023

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



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

Date: 2023.08.16
'10:53:44 -04'00

Contents:

Evaluation Report

Pages 1 – 5

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: Atlas Roofing Corporation
2000 RiverEdge Parkway
Suite 800
Atlanta, GA 30328
(770) 946-4571
www.atlasroofing.com

Product Category: Roofing

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

Product Description: Static square slant roof vent. The steel vents are available in several colors. This evaluation report includes the roof vents listed below and in Table A.

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

PRODUCTS				
Model	Vent Type	Mat'l	Dimensions	Thickness
HIGHPOINT AL50	Static, Square Slant Roof Vent	Aluminum	20-5/16" x 15-3/4 x 5"	0.025" min.

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

Description:
1. OSB Deck, Min. Thickness: 3/8"
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 E330-14** – *Standard Test Method for Structural by Uniform Static Air Pressure Difference*

Code Compliance: The product(s) described herein have demonstrated compliance with the intent and principles of the performance standards adopted by the Florida Building Code 8th Edition (2023).

**Evaluation Report
Scope:**

This product has been evaluated in compliance with the building envelope 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:**

- 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 Keystone Certifications, Inc. (FBC Organization ID# QUA 1824).

Component(s)
Material Standards/
Performance:

TABLE A ALLOWABLE LOADS					
Model	Vent Type	Mat'l	Dimensions	Opening Diam.	Design Pressure
HIGHPOINT AL50	Static, Square Slant Roof Vent	Aluminum	20-5/16" x 15-3/4 x 5"	8.0"	-86.6 PSF
<i>Note: Allowable uplift design pressure(s) for allowable stress design (ASD) with a margin of safety of 1.5 to 1.</i>					

Ridge Vent Material:

Material Type: Aluminum
Thickness: 0.025" Minimum
Material Standards: In compliance with the FBC Section 1507.4.3

Fastener:

Use: Attaches Ridge Vent Base to Deck
Type: Smooth Roofing Nail
Size: 1-1/4" x 0.115" Shaft Diameter x 0.361" Head Dia
Standard: Per ANSIASME B18.6.1

Installation:

Installation Method:

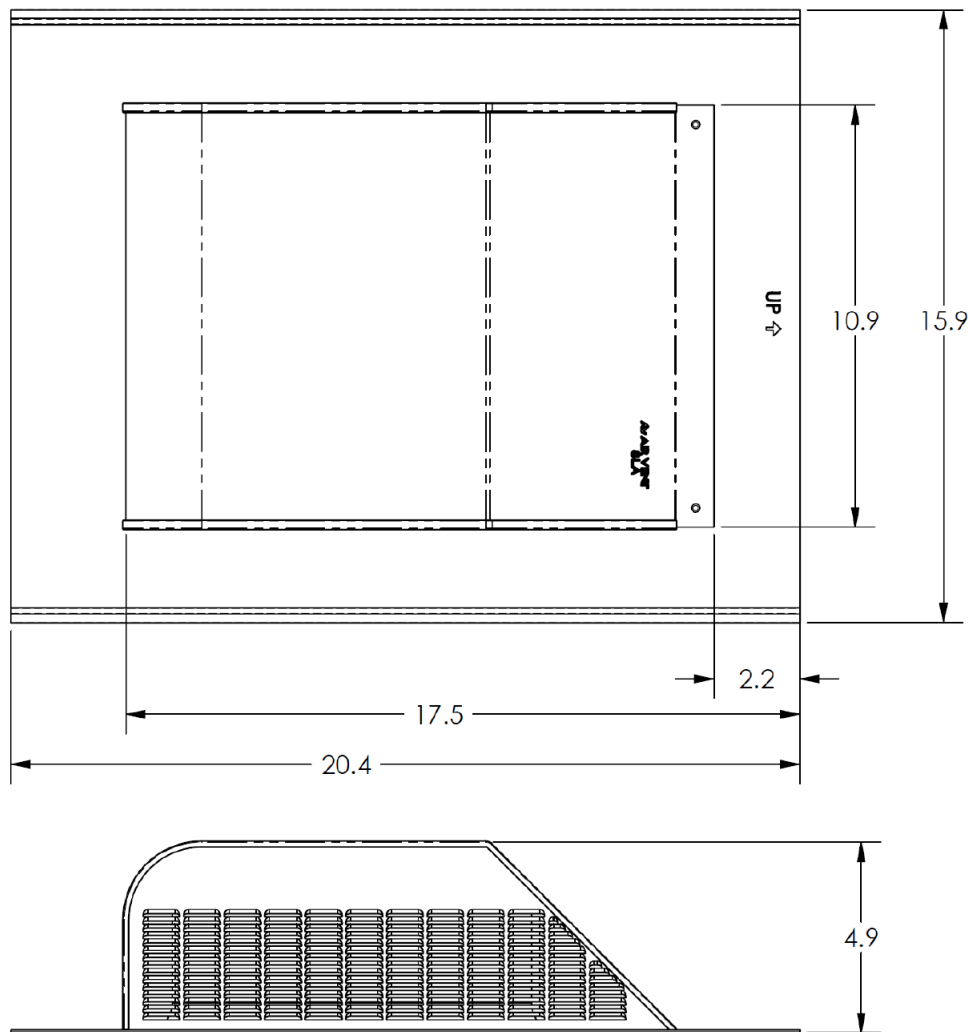
The base of the vent shall be attached to the deck with roofing nails per this report. One fastener shall be attached to each of the four sides, located 1" from each corner and one at the mid span of each side. The fasteners must be long enough to penetrate into and through the roof deck.

"The HIGHPOINT AL50 Ridge 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 E330-14 Uniform Static Air Pressure Difference Test
By Intertek – Plano, TX
(FBC Organization ID# TST 2609)
Project #: H9860.01-801-44-r1, Test Spec #3, Dated: 05/03/18
2. ASTM E330-14 Uniform Static Air Pressure Difference Test
By Intertek – Plano, TX
(FBC Organization ID# TST 2609)
Project #: C-2730.01-801-44-r1, Test Spec #9, Dated: 1/22/13
3. Quality Assurance
By Keystone Certifications, Inc. (FBC Organization ID# QUA 1824)
Licensee #1325
4. Certification of Independence
By James L. Buckner, P.E. @ CBUCK Engineering
(FBC Organization # ANE 1916)
5. Authorization to Use Engineering Data

**Atlas Roofing Corporation
HIGHPOINT AL50 Ridge Vent
Profile Drawings**



**HIGHPOINT AL50
Static, Slant Aluminum Vent**