

## Evaluation Report “ACM Off Ridge Roof Vent with Detachable Baffle” Off Ridge Vent Assembly

**Manufacturer:**  
**American Construction Metals (ACM)**

1600 Park Ave.

Beloit, WI 53511

*for*

**Florida Product Approval**

**# FL 48079.1**

**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:** “ACM Off Ridge Roof Vent”  
**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.

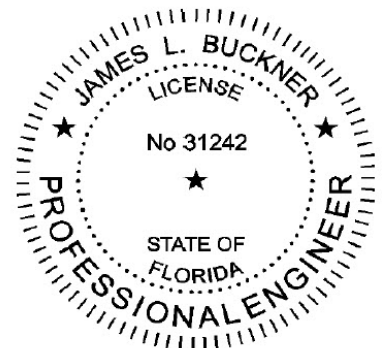
### Prepared by:

James L. Buckner, P.E., SECB  
Florida Professional Engineer # 31242  
Florida Evaluation ANE ID: 1916  
Project Manager: Diana Galloway  
Report No. 25-775-ORV-W-ER (New)  
Date: 02/10/2026

### Contents:

Evaluation Report

Pages 1 – 7



James L. Buckner, P.E.

FL31242

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

2026.02.16 18:33:10 -05'00'

**CBUCK, Inc. dba CBUCK Engineering**

Phone: (561) 491-9927 · Email: [cbuck@cbuckinc.net](mailto:cbuck@cbuckinc.net) · Website: [www.cbuckinc.net](http://www.cbuckinc.net)

Business: 1374 Community Dr., Jupiter, FL 33458

**Manufacturer:** American Construction Metals (ACM)

**Corporate Address:** 1600 Park Ave.  
Beloit, WI 53511  
800-749-4067  
Website: [www.acm-metals.com](http://www.acm-metals.com)

**Manufacturing Address:** 6938 North US Highway 41  
Apollo Beach, FL 33572

**Product Name:** "ACM Off Ridge Roof Vent with Detachable Baffle"

**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 ACM Off Ridge Roof Vent is a low profile, off-ridge vent with detachable baffle for pitched roofs. It is fabricated from 26 gauge, G-90 primed, galvanized steel with a galvanized steel mesh covering. The ACM Off Ridge Roof Vent 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:** - 59.85 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*
- 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:**
- The roof 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 4 : 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:** "ACM Off Ridge Roof Vent with Detachable Baffle"

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 (nominal):

Width: 24"  
Height: 8-1/2"  
Length: 6'

Detachable Baffle:

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: Refer to Drawings at end of this report

**Fastener(s):**

Base Fastener:

Type: Annular Ring Shank Roofing Nails  
Size: 12 ga. × 1-1/4" (Long) w/3/8" dia. head  
Corrosion Resistance: Per FBC Section 1506.5  
Standard: Per ASTM F 1667

**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 "ACM Off Ridge Roof Vent" unit side flanges to deck with nails or screws spaced 6" 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 "ACM Off Ridge Roof 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.

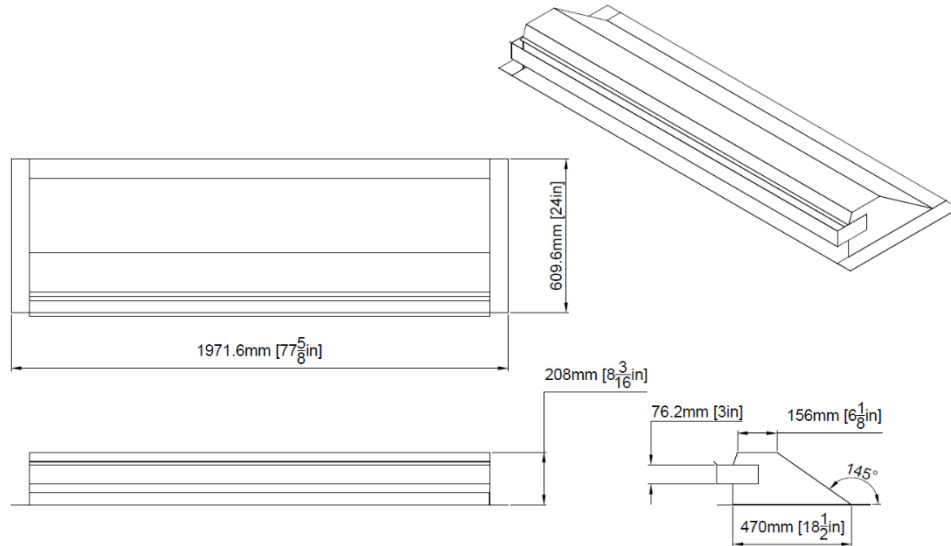
**Evaluation Referenced Data:**

1. ASTM E330-14 Uniform Static Air Pressure Difference Test  
By Farabaugh Engineering & Testing, Inc. (FBC Organization ID# TST 1654)  
Project #T102-26 (CMP)(1) Date: 01/15/26
2. Quality Assurance  
By Keystone Certifications, Inc. (QUA ID: 1824)  
American Construction Metals Licensee # 761
3. Certification of Independence  
By James L. Buckner, P.E. @ CBUCK Engineering  
(FBC Organization # ANE 1916)

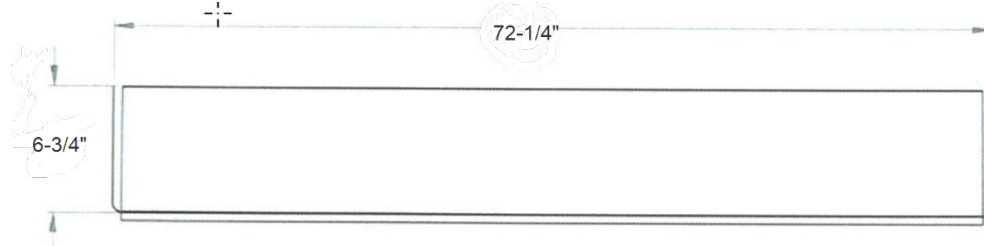
## Installation Method

### American Construction Metals (ACM)

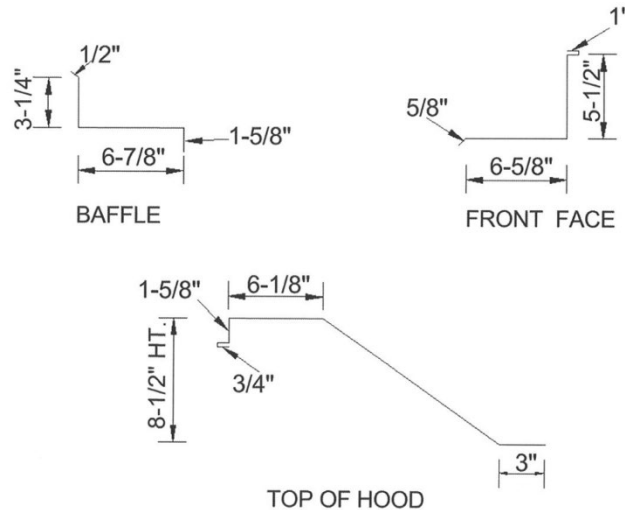
### "ACM Off Ridge Roof Vent with Detachable Baffle" Attached to Plywood Deck



ACM Off Ridge Vent with Detachable Baffle - Typical Profile Views



Detachable Baffle - Typical Profile View

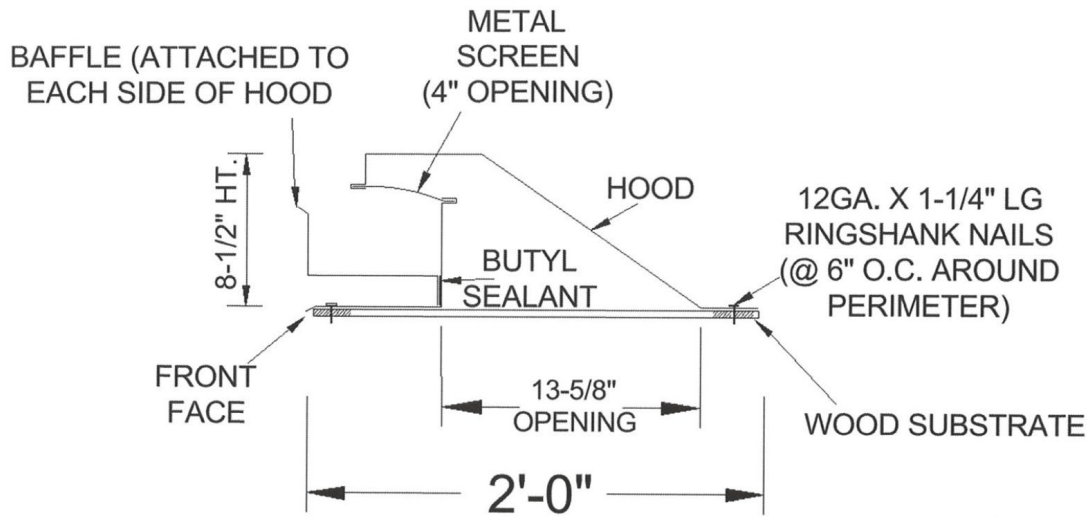


ACM Off Ridge Vent Hood, Detachable Baffle, Front Face  
Typical Profile Views

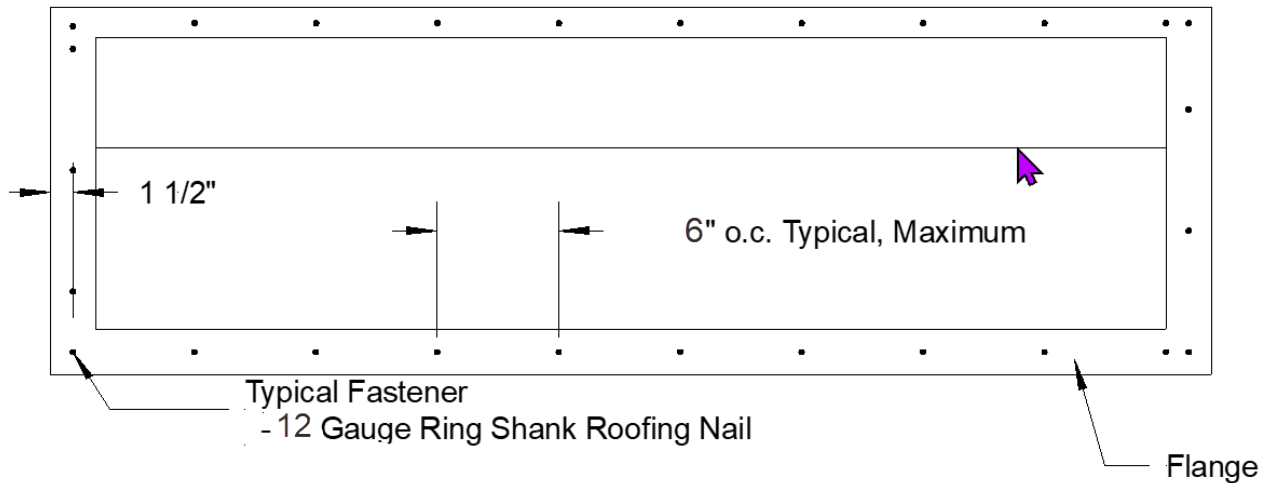
## Installation Method

### American Construction Metals (ACM)

### "ACM Off Ridge Roof Vent with Detachable Baffle" Attached to Plywood Deck



Typical Side Elevation View



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