



**Product Approval**  
USER: Public User

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SECRETARY

FL #	FL10687-R5	
Application Type	Revision	
Code Version	2020	
Application Status	Approved	
Comments		
Archived	<input type="checkbox"/>	
Product Manufacturer	Classic Products, Inc.	
Address/Phone/Email	8510 Industry Park Drive Piqua, OH 45356 (937) 773-9840 Ext 221 ericv@classicroof.com	
Authorized Signature	James Buckner jimmy@cbuckinc.net	
Technical Representative	Eric Voress	
Address/Phone/Email	8510 Industry Park Drive Piqua, OH 45356 ericv@classicroof.com	
Quality Assurance Representative		
Address/Phone/Email		
Category	Roofing	
Subcategory	Metal Roofing	
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received	
Florida Engineer or Architect Name who developed the Evaluation Report	James L. Buckner, P.E @ C-Buck, Inc.	
Florida License	PE-31242	
Quality Assurance Entity	Farabaugh Engineering and Testing, Inc	
Quality Assurance Contract Expiration Date	12/31/2024	
Validated By	Steven M. Urich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received	
Certificate of Independence	<a href="#">FL10687_R5_COI_CertificateOfIndep.pdf</a>	
Referenced Standard and Year (of Standard)	<b>Standard</b>	<b>Year</b>
	UL 1897	2012
	UL 580	2006
Equivalence of Product Standards Certified By	Florida Licensed Professional Engineer or Architect <a href="#">FL10687_R5_Equiv_Test_Standard_Equiv.pdf</a>	
Sections from the Code		

Product Approval Method

Method 1 Option D

Date Submitted 10/22/2020  
 Date Validated 10/24/2020  
 Date Pending FBC Approval 11/02/2020  
 Date Approved 12/15/2020

**Summary of Products**

FL #	Model, Number or Name	Description
10687.1	1 - "Rustic Shingle"	Roof Panel - 0.019" Aluminum Shingle Attached to Plywood Deck
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> N/A <b>Design Pressure:</b> +N/A/-67.5 <b>Other:</b> Refer to Evaluation Report for Conditions & Limitations of Use. Refer to manufacturer's installation instructions as a supplemental guide.		<b>Installation Instructions</b> <a href="#">FL10687 R5 II 1 Rustic Shingle WoodDeck EVALREPORT.pdf</a> Verified By: James L. Buckner, P.E. @ C-Buck, Inc P.E. #31242 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10687 R5 AE 1 Rustic Shingle WoodDeck EVALREPORT.pdf</a> Created by Independent Third Party: Yes
10687.2	2 - "Country Manor Shake"	Roof Panel - 0.019" Aluminum Shingle Attached to Plywood Deck
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> N/A <b>Design Pressure:</b> +N/A/-77.5 <b>Other:</b> Refer to Evaluation Report for Conditions & Limitations of Use. Refer to manufacturer's installation instructions as a supplemental guide.		<b>Installation Instructions</b> <a href="#">FL10687 R5 II 2 CountryManor Shake WoodDeck EVALREPORT.pdf</a> Verified By: James L. Buckner, P.E. @ C-Buck, Inc P.E. #31242 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10687 R5 AE 2 CountryManor Shake WoodDeck EVALREPORT.pdf</a> Created by Independent Third Party: Yes
10687.3	3 - "Oxford Shingle"	Roof Panel - 0.021" Aluminum Shingle Attached to Plywood Deck
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> +N/A/-62.5 <b>Other:</b> Refer to Evaluation Report for Conditions & Limitations of Use. Refer to manufacturer's installation instructions as a supplemental guide.		<b>Installation Instructions</b> <a href="#">FL10687 R5 II 3 Oxford Shingle WoodDeck EVALREPORT.pdf</a> Verified By: James L. Buckner, P.E. @ C-Buck, Inc P.E. #31242 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10687 R5 AE 3 Oxford Shingle WoodDeck EVALREPORT.pdf</a> Created by Independent Third Party: Yes
10687.4	4 - "ClickLock"	Roof Panel - 0.032" Aluminum, 12" Wide Snap-Lock Panel Attached to Plywood Deck
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> +N/A/-82.5 <b>Other:</b> Refer to Evaluation Report for Conditions & Limitations of Use. Refer to manufacturer's installation instructions as a supplemental guide.		<b>Installation Instructions</b> <a href="#">FL10687 R5 II 4 ClickLock WoodDeck EVALREPORT.pdf</a> Verified By: James L. Buckner, P.E. @ C-Buck, Inc P.E. #31242 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10687 R5 AE 4 ClickLock WoodDeck EVALREPORT.pdf</a> Created by Independent Third Party: Yes

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## Evaluation Report "Rustic Shingle" Metal Roof Assembly

### Manufacturer: Classic Metal Roofing Systems

(A division of Isaiah Industries)  
8510 Industry Park Drive  
Piqua, OH 45356  
(800) 543-8938

*for*

### Florida Product Approval

## # FL 10687.1 R5

### Florida Building Code 7th Edition (2020)

Method: 1 - D

Category: Roofing

Sub - Category: Metal Roofing

Product: "Rustic Shingle"

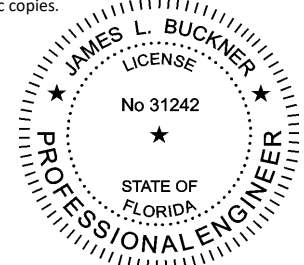
Material: Aluminum

Support: Wood Deck

### Prepared by:

James L. Buckner, P.E., SECB  
Florida Professional Engineer # 31242  
Florida Evaluation ANE ID: 1916  
Project Manager: Diana Galloway  
Report No. 20-240-RS-A19W-ER  
(Revises 17-130-RS-A19W-ER, FL10687.1 R4)  
Date: 10 / 01 / 20

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.



2020.10.02 18:48:16 -04'00'

### Contents:

Evaluation Report

Pages 1 – 7

<b>Manufacturer:</b>	<b>Classic Metal Roofing Systems</b> (A division of Isaiah Industries) 8510 Industry Park Drive Piqua, OH 45356 (800) 543-8938 <a href="https://www.classicmetalroofingsystems.com/">https://www.classicmetalroofingsystems.com/</a>
<b>Product Name:</b>	<b>Rustic Shingle</b>
<b>Product Category:</b>	Roofing
<b>Product Sub-Category</b>	Metal Roofing
<b>Compliance Method:</b>	State Product Approval Rule 61G20-3.005 (1) (d)
<b>Product/System Description:</b>	“Rustic Shingle” Aluminum roof panel, with a wood shake or slate appearance, mechanically attached to Wood Deck with panel clips.
<b>Product Assembly as Evaluated:</b>	Refer to Page 4 of this report for product assembly components/materials & standards: <ol style="list-style-type: none"><li>1. Roof Panel</li><li>2. Panel Clips</li><li>3. Fasteners</li><li>4. Underlayment</li></ol>
<b>Support:</b>	<b>Type:</b> Wood Deck (Design of support and its attachment to support framing is outside the scope of this evaluation.) <b>Description:</b> <ul style="list-style-type: none"><li>• 15/32” or greater plywood,</li><li>• or Wood plank (min. specific gravity of 0.42)</li></ul>
<b>Slope:</b>	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.
<b>Performance:</b>	Wind Uplift Resistance: <ul style="list-style-type: none"><li>• Design Uplift Pressure: <b>- 67.5 PSF</b> (Refer to “Table A” attachment details herein)</li></ul>

<b>Performance Standards:</b>	The product described herein has demonstrated compliance with: <ul style="list-style-type: none"><li>• UL 580-06 – <i>Test for Uplift Resistance of Roof Assemblies</i></li><li>• UL 1897-12 – <i>Uplift test for roof covering systems</i></li></ul>
<b>Standards Equivalency:</b>	The UL 580-94 & UL 1897-98 standard version used to test the evaluated product assembly is equivalent with the prescribed standards in UL 580-06 & UL 1897-12 adopted by the Florida Building Code 7th Edition (2020).
<b>Code Compliance:</b>	The product(s) described herein have demonstrated compliance with the performance standards listed above as referenced in the Florida Building Code 7th Edition (2020).
<b>Evaluation Report Scope:</b>	This building envelope product is evaluated for compliance with the structural wind load requirements of the Florida Building Code, as related to the scope section to Florida Product Approval Rule 61G20-3.001.
<b>Limitations and Conditions of Use:</b>	<ul style="list-style-type: none"><li>• <u>Scope of “Limitations and Conditions of Use” for this evaluation:</u> 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”.</li><li>• <u>Option for application outside “Limitations and Conditions of Use”</u> 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.</li><li>• 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 CBUGK 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.</li><li>• All metal components and fasteners shall be corrosion resistant in accordance with applicable sections of FBC, including but limited to Sections 1504.3.2, 1506.5, 1506.6 and 1507.4.4.</li><li>• Design of support system is outside the scope of this report.</li><li>• Fire Classification is outside the scope of Rule 61G20-3, and is therefore not included in this evaluation.</li><li>• This evaluation report does not evaluate the use of this product for use in the High Velocity Hurricane Zone code section. (Dade &amp; Broward Counties)</li></ul>
<b>Quality Assurance:</b>	The manufacturer has demonstrated compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.0005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity through <b>Farabaugh Testing &amp; Engineering</b> (FBC Organization ID# QUA 7733).

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

**Roof Panel:**

Material: Aluminum  
Thickness: 0.019" (min.)  
Panel Width: 12" nominal (max.) Coverage  
Panel Length: 24" nominal  
Alloy Type: 3105-H26  
Corrosion Resistance: Per FBC Section 1507.5.5

**Rustic Shingle**

**Roof Panel Nail Clips:**

Product Name: Classic Products "Nail Clip"  
Classic Part #: SH-209  
Material: Aluminum  
Thickness: 0.032"  
Yield Strength: 3003 H14  
Dimensions: 1.75" (tall) x 2.25" (long) x 1.24" (base)  
Corrosion Resistance: Per FBC Section 1506.7

**Fastener:**

Type: Annular Ring Shank Roofing Nails  
Size : 0.145" diameter (7/16" head diameter) x 2" long  
Corrosion Resistance: Per FBC Section 1506.5  
Standard: Per ASTM F 1667

**Underlayment:**

Material and application shall be in compliance with FBC Section 1507.1.1 and in accordance with applicable code sections and manufacturer's recommendations.

**Installation:**

**Installation Method:**

(Refer to “TABLE A” below and drawings at the end of this evaluation report.)

1. **Four** aluminum nail clips per shingle
2. Nail clip spacing: 6” o.c.
3. (along the length of the shingle, along the top lock)
4. **One** nail per aluminum nail clip
5. **One** nail through the panel’s “integrated clip”
6. (through the guide hole of the “integrated clip”)
7. Tuck bottom lock of succeeding layer of shingles into top lock of preceding layer of shingles to form an integral interlock.
8. Attach shingles in a staggered pattern.
9. For panel construction at the end of panels, refer to manufacturer’s instructions and any site specific design.

<b>TABLE “A” ALLOWABLE LOADS</b>	
<b>Design Pressure:</b>	<b>- 67.5 PSF</b>
Clip Spacing:	<b>6”</b>
# Fasteners per Clip:	<b>1</b>
# Clips per Shingle:	<b>4</b>
Notes: <ul style="list-style-type: none"><li>• Allowable design pressure(s) for allowable stress design (ASD).</li></ul>	

Install the “Rustic Shingle” roof panel assembly in compliance with the installation method listed in this report and applicable code sections of FBC 7th Edition (2020). 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.

**Referenced Data:**

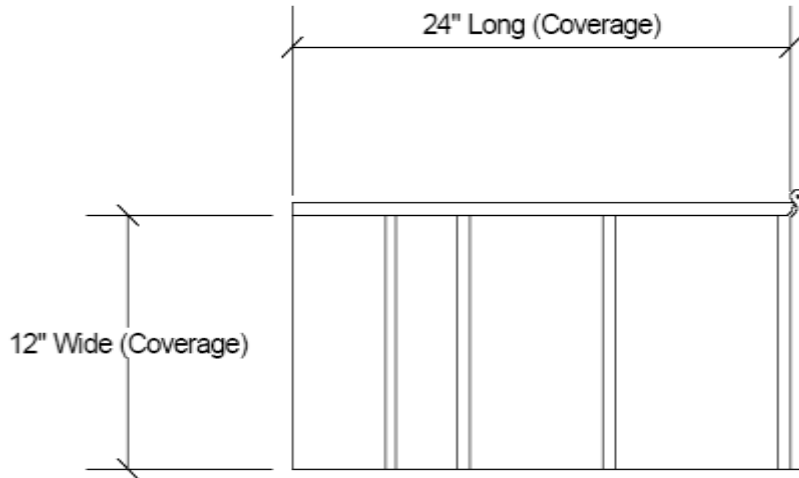
1. UL 580 & UL 1897 Uplift Test  
By Architectural Testing, Inc. (FBC Organization #TST ID: 1558)  
Report #: 01-34293.01, Report Date: 05/18/99
2. Equivalency of Test Standard Certification  
By James L. Buckner, P.E. @ CBUCK Engineering  
(FBC Organization # ANE 1916)
3. Quality Assurance  
By Farabaugh Testing & Engineering (FBC Organization ID# QUA 7733)
4. Certification of Independence  
By James L. Buckner, P.E. @ CBUCK Engineering  
(FBC Organization # ANE 1916)

**Installation Method**

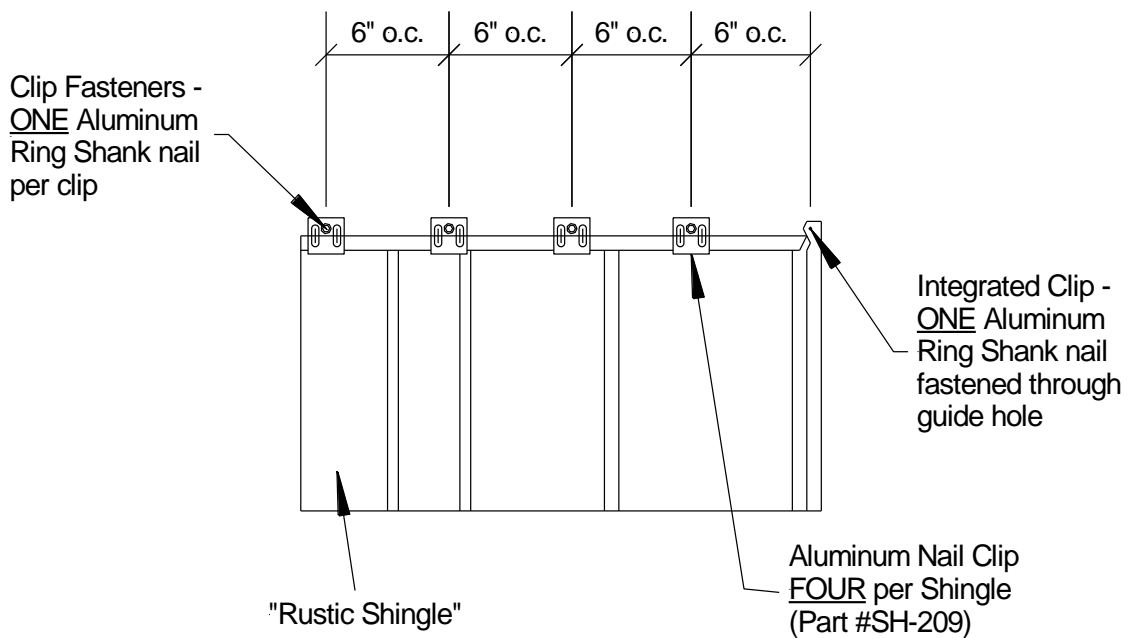


## Classic Metal Roofing Systems "Rustic Shingle" (0.019" Aluminum) Roof Panel attached to Wood Deck

### Drawings



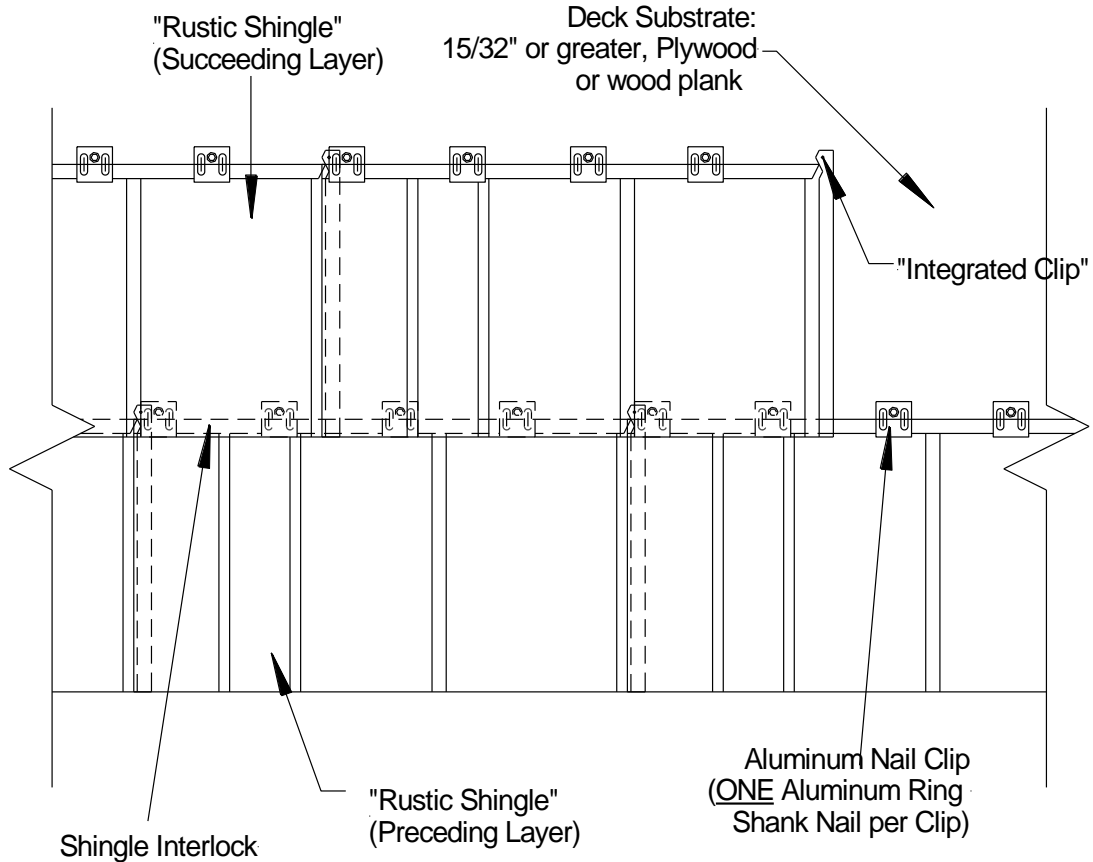
### Typical Panel Profile



### Section Plan View Clip Assembly Installation Method

## Classic Metal Roofing Systems

### "Rustic Shingle" (0.019" Aluminum) Roof Panel attached to Wood Deck



**Typical Roof Shingle Assembly Plan View**

TABLE "A"	
Design Pressure:	- 67.5 PSF
Clip Spacing:	6"
# Fasteners per Clip:	1
# Clips per Shingle:	4