



# Metal Roof Certification & Listing Program Certification Report



11030-009-KCI

145 Limekiln Road, Suite 100B  
New Cumberland, PA 17070  
[www.keystonecerts.com](http://www.keystonecerts.com)

Issue Dated: 2/14/2019  
Revision Date: 1/11/2021  
Expiration Date: 10/12/2025

### Construction Specifications Institute (CSI) Category:

**Division:** 07 00 00 – Thermal & Moisture Protection  
**Section:** 07 41 13 – Metal roof and wall panels

- 2020 Florida Building Code - Building, 7th Edition, Section 1504.3.2.
- Florida Product Approval Rule 61G20-3.

### 1. Program Licensee:



1st Coast Metal Roofing Supply  
186 SR 207  
East Palatka, FL 32131  
386-325-0242  
<http://www.1stcoastmrs.com/>

Properties Evaluated:

- Wind Uplift Resistance

**This Certification Report was used to qualify  
[Florida Product Approval FL24397-R6.](#)**

### 2. Certified Roof Covering:

1<sup>st</sup> Coast Metal Roofing Supply's Model Armour PBR 26 Ga. thick coated steel non-structural through-Fastened metal roof and wall panels installed over plywood sheathing roof deck for use in new construction, re-roofing and re-covering applications.

### 3. Scope of Certification:

This Certification Report provides technical data substantiating that the use of the certified roof covering, and the evaluated roof systems are in compliance with the following:

### 4. Evaluated Roof System Description:

4.1. **Roof Covering:** Armour PBR metal roof and wall panels are 26 Ga., ASTM A 792 AZ 50 Aluminum-Zinc Alloy Coated Steel. The panels shall be installed in accordance with the manufacturer's instructions and this Certification Report.

4.2. **Roof Deck:** Armour PBR 26 Ga. metal roof and wall panels are certified for use over solid or closely-spaced, minimum 15/32" 4 ply CDX plywood sheathing complying with 2020 Florida Building Code - Building, 7th Edition, Section 2303.1.5, with a minimum slope of 4% (1/2:12). Lap sealant shall be applied for installed slopes less than 25% (3:12).

4.3. **Anchorage:** Armour PBR 26 Ga. metal roof and wall panels shall be fastened to the roof deck using one row of #10 x 1" HWH self-drilling fasteners with a weather seal washer next to each seam and intermediate rib spaced 24" on center. The same fasteners shall be used at the perimeter of the panels spaced 3" on center. The seams shall be secured with #12 x 1" HWH self-drilling fasteners with weather seal washers 12" on center. See Table 1 and illustrated in Appendix 1.



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**4.4. Underlayment:** Armour PBR 26 Ga. metal roof panels in new construction applications shall be installed over underlayment meeting the applicable material type and attachment details specified in FBC 7th Edition Table 1507.1.1.1., the manufacturer’s installation instructions and this Certification Report.

**5. Installation**

Armour PBR 26 Ga. metal roof panels in new construction applications shall be installed in accordance with the 2020 Florida Building Code - Building, 7th Edition, Section 1507.4, the manufacturer’s published installation instructions and this Certification Report.

Armour PBR 26 Ga. metal roof panels in re-roofing and re-covering applications may be installed over a single layer of existing shingles and shall be installed in accordance with the 2020 Florida Building Code - Building, 7th Edition, Sections 1507.4 & 1511, the manufacturer’s published installation instructions and this Certification Report.

The manufacturer’s installation instructions shall be made available at the time of installation. If there are differences between this report and the manufacturer’s installation instructions, this report shall take precedence.

**6. Product Performance**

The performance of the Armour PBR 26 Ga. metal roof and wall panels described in this Certification Report has been determined in accordance with:

- UL 580-06, *Tests for Uplift Resistance of Roof Assemblies.*

As tested & reported by the following independent accredited laboratory:

Laboratory	Report Ref.
Intertek	I7722.01-450-44 R01

**6.1. Wind Resistance**

The allowable design uplift pressures for Armour PBR 26 Ga. metal panels as illustrated in Appendix 1, when tested in accordance with the referenced standards with an applied safety factor of 2.0 are found in Table 1.

**Table 1**

Description	Anchor Pattern	Anchor Description	Max Design Uplift Pressure
Over 15/32" 4 Ply Plywood Sheathing	Next to Seam and Perimeter		<b>62.5 psf</b>
	7" – 5" – 7" Spacing at Panel ends and max. 12" O.C. Also utilized at 3" O.C. at the Perimeter	#10 x 1" HWH Self-drilling fastener with weather seal washer	
	Seams <sup>1</sup>		
	12" on center	#12 x 1" HWH Self-drilling fasteners with weather seal washers	

**Note 1:** Lap Sealant shall be applied for installed slopes less than 25% (3:12).

**7. Conditions of Use**

Armour PBR 26 Ga. metal roof and wall panels must be insulated against other materials or metals including non-stainless steel, concrete, lead, copper and treated lumber that contains corrosive materials.



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### 8. Limitations of Use

Armour PBR 26 Ga. metal roof and wall panels are not qualified for use in the High Velocity Hurricane Zone (HVHZ).

Fire classification, shear diaphragm design, roof deck design & attachment to supporting members are not within the scope of this Certification Report.

Roof support framing shall comply with 2020 Florida Building Code - Building, 7th Edition, Chapter 22 for steel, Chapter 23 for wood and Chapter 16 for structural loading.

### 9. Licensed Manufacturing Facilities

This Certification Report is applicable only to Armour PBR 26 Ga. metal roof and wall panels manufactured at the following locations:

1st Coast Metal Roofing Supply 186 State Rd 207 East Palatka, Florida 32131
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Each licensed facility is subject to periodic inspection by Keystone Certifications to verify conformance with Keystone Roof Covering Certification & Listing Program requirements.

### 10. Identification

Armour PBR 26 Ga. metal roof and wall panels represented by this report shall be identified with Keystone Roof Covering Certification & Listing Program certification labeling illustrated below, to be applied to individual panels, packaging, invoicing or bills of lading:

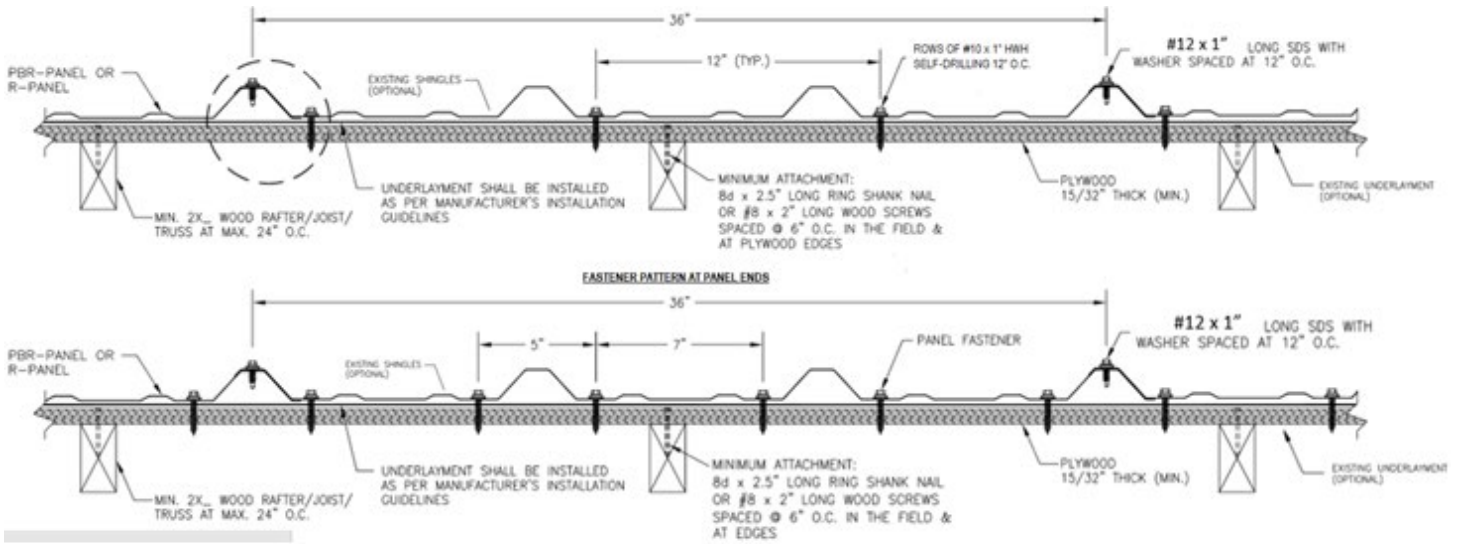


Aaron M. Shultz  
Validation Manager

## Appendix 1

Note: In all cases (new construction, re-roofing and re-covering), the anchors shall fully penetrate the plywood roof deck. Lap sealant shall be applied for installed slopes less than 25% (3:12).

### Anchorage Detail





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**Certificate Revisions**

Rev #	Date	Description
0	2/14/2019	Initial issuance.
1	2/21/2019	Added reference to use of lap sealant only for slopes less than 3:12.
2	3/12/2019	Updated Model name to include metal roof " <i>and wall panels</i> "
3	9/3/2019	Updated ANSI Logo to proper requirements. Updated FL # to correct revision. Updated signature block reviewer.
4	10/15/2019	Revised anchorage illustrations for clarity, added reference to optional re-roofing / re-covering installation over "one layer of existing shingles".
5	10/12/2020	Updated to 2020 FBC 7 <sup>th</sup> Edition.
6	1/11/2021	Corrected Model name. Updated FPA link.