



# Metal Roof Certification & Listing Program

## Certification Report



11033-005-KCI

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

Issue Dated: 12/12/2017  
Revision Date: 12/22/2020  
Expiration Date: 12/22/2025

### Construction Specifications Institute (CSI) Category:

**Division:** 07 00 00 – Thermal & Moisture Protection

**Section:** 07 41 13 – Metal Roof Panels

### 1. Program Licensee:



Reed's Metals, Inc.  
19 E. Lincoln Drive NE  
Brookhaven, Mississippi 39601  
800-581-4645  
<https://Reed'smetals.com/>

### 2. Certified Roof Covering:

Reed's Metals PBR Panel through-fastened non-structural metal roof panels installed over minimum #2 1x4 wood purlins (spaced supports) over asphalt shingles over 30# felt paper over 15/32" 4-ply B-C Group 1 exterior plywood for use in re-roofing applications.

### 3. Scope of Certification:

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

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

### Properties Evaluated:

- Wind Uplift Resistance
- *This Certification Report was used in the qualification of [Florida Product Approval FL 24508-R1](#).*
- 

### 4. Evaluated Roof System Description:

4.1. **Roof Covering:** Reed's Metals PBR Panel non-structural metal roof panels are 36" wide (coverage) and cold roll-formed from minimum 26 gauge (0.020" / 0.508mm coated thickness) Grade 80 steel sheet. The panels are coated per the following:

- aluminum-zinc alloy coated per ASTM A792 (AZ50)

Or:

- zinc-coated per ASTM A653 (G-90)

And Optionally:

- pre-painted per ASTM A755

and shall be installed in accordance with the manufacturer's instructions and this Certification Report.

4.2. **Roof Deck:** Reed's Metals PBR Panel non-structural metal roof panels are certified for use over minimum #2 1x4 wood purlins over (1) layer of asphalt shingles over (1) layer of 30# felt paper over minimum 15/32" 4-ply B-C Group 1 Exterior Grade plywood complying with 2020 Florida Building Code, with a minimum slope of 4% (1/2:12).

4.3. **Anchorage:** Reed's Metals PBR Panel non-structural metal roof panels shall be through-fastened to the minimum 1x4 purlins using #9-15 x 1-1/2" SFS Intec Woodgrip HWH SD with EDPM-sealing washer or approved equivalent in the fastener patterns described in Appendix 1.



# Metal Roof Certification & Listing Program

## Certification Report

### 11033-005-KCI



### 5. Installation

Reed's Metals PBR Panel non-structural metal roof panels in re-roofing applications shall be installed in accordance with the 2020 Florida Building Code 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 Reed's Metals PBR Panel non-structural metal roof panels described in this Certification Report has been demonstrated via testing in accordance with the following referenced standards:

- UL 580-06, *Tests for Uplift Resistance of Roof Assemblies.*
- UL 1897-2012, *Uplift Tests for Roof Covering Systems.*

As tested & reported by the following independent accredited laboratory:

| Laboratory                  | Report Ref.       |
|-----------------------------|-------------------|
| Force Engineering & Testing | 101-0211T-17C & D |

#### 6.1. Wind Resistance

The allowable Ultimate Wind Uplift Capacity for Reed's Metals PBR Panels anchored as described 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                         | Max Design Uplift Pressure |
|--|--|----------------------------|
| Over minimum #2 1x4 wood purlins over (1) layer of asphalt shingles over (1) layer of 30# felt paper over minimum 15/32" plywood sheathing | <b>A</b><br>12"-12"-12"<br>24" O.C.    | <b>-56.0 psf</b>           |
|  | <b>B</b><br>7"-5"-7"-5"-7"<br>12" O.C. | <b>-123.5 psf</b>          |

### 7. Conditions of Use

Reed's Metals PBR Panel non-structural metal roof panels must be insulated against other materials or metals including concrete, lead, copper and treated lumber that contains corrosive materials. Lap sealant is required for all installed slopes below 3:12 (25%).



# Metal Roof Certification & Listing Program

## Certification Report

### 11033-005-KCI



### 8. Limitations of Use

Reed’s Metals PBR Panel non-structural metal roof 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 Chapter 22 for steel and Chapter 16 for structural loading.

### 9. Licensed Manufacturing Facilities

This Certification Report is applicable only to Reed’s Metals PBR Panel non-structural metal roof panels manufactured at the following locations. Each licensed facility is subject to periodic inspection by Keystone Certifications to verify conformance with Keystone Roof Covering Certification & Listing Program requirements:

Reed's Metals, Inc.  
19 E. Lincoln Drive NE  
Brookhaven, Mississippi 39601

Reeds Metals Inc.  
4020 SW 449 St.  
Horseshoe Beach, FL 32648

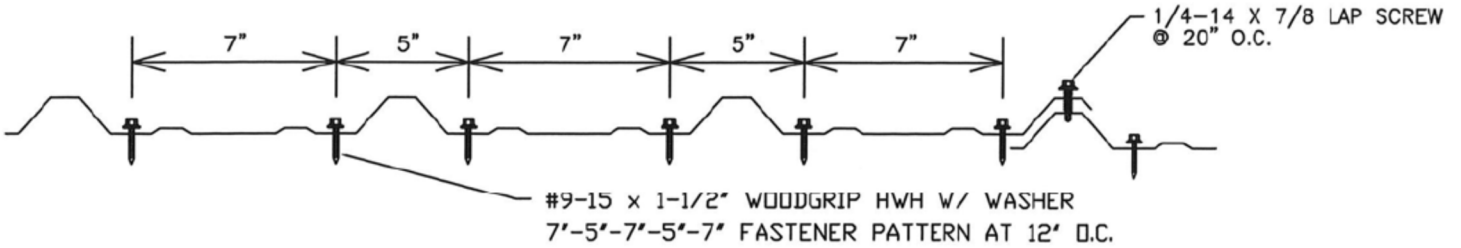


Aaron Shultz  
Validations Manager

### 10. Identification

Reed’s Metals PBR Panel non-structural metal roof 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:

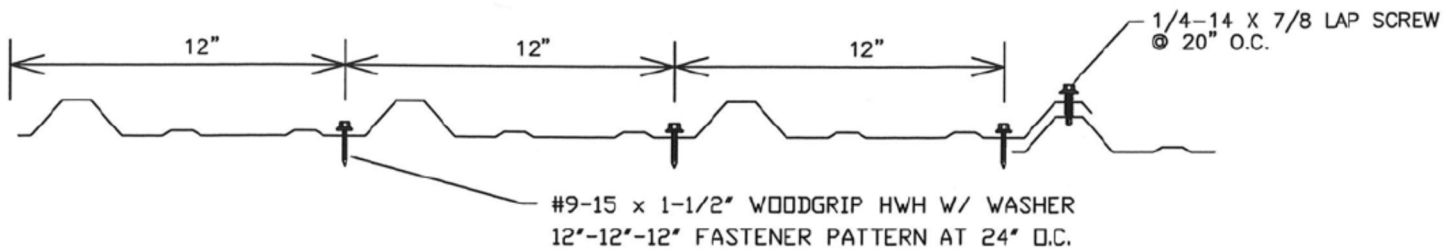
Refer to [www.keystonecerts.com](http://www.keystonecerts.com) to ascertain the ongoing status of this Evaluation Report. Approval of building products and/or materials can only be granted by the building official having jurisdictional legal authority. Keystone Certifications, Inc. does not endorse or make warranties with respect to product performance or suitability of a product for a given use.



## Appendix 1

**Note:** Lap sealant is required for all installed slopes below 3:12 (25%).

### Anchor Pattern A



### Anchor Pattern B

Refer to [www.keystonecerts.com](http://www.keystonecerts.com) to ascertain the ongoing status of this Evaluation Report. Approval of building products and/or materials can only be granted by the building official having jurisdictional legal authority. Keystone Certifications, Inc. does not endorse or make warranties with respect to product performance or suitability of a product for a given use.



Metal Roof Certification & Listing Program  
**Certification Report**  
11033-005-KCI



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

Issue Dated: 12/12/2017  
Revision Date: 12/22/2020  
Expiration Date: 12/22/2025

**Certificate Revisions**

| Rev # | Date       | Description  |
|-------|------------|--|
| 0     | 12/12/2017 | Initial issuance.  |
| 1     | 9/3/2019   | Updated ANSI Logo to proper requirements.  |
| 2     | 12/22/2020 | Updated to 2020 Florida Building Code, removed reference to 1504.7 as this Certification Report does not reference Foot Traffic. Added hyperlink FL24508-R1. |

Refer to [www.keystonecerts.com](http://www.keystonecerts.com) to ascertain the ongoing status of this Compliance Certificate. Approval of building products and/or materials can only be granted by the building official having jurisdictional legal authority. Keystone Certifications, Inc. does not endorse or make warranties with respect to product performance or suitability of a product for a given use.