



Metal Roof Certification & Listing Program Certification Report



11033-011-KCI

145 Limekiln Road, Suite 100B
New Cumberland, PA 17070
www.keystonecerts.com

Issue Dated: 4/23/2018
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's.metals.com/>

2. Certified Roof Covering:

Reed's Metals 26 Ga. Residential Panel through-fastened non-structural metal roof panels installed over nominal 1x4 Grade #2 or better SYP purlins over (1) layer of asphalt shingles over (1) layer of 30# felt paper, over 15/32" 4-Ply B-C Group 1 exterior plywood sheathing 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:** 26 Ga. Residential Panel are through-fastened non-structural metal roof panels 36" wide (coverage) and cold roll-formed from minimum 26 gauge ASTM A792 Grade 80 steel sheet. The panels are coated per the following:

- aluminum-zinc alloy coated per ASTM A792, minimum AZ50

Or:

- zinc-coated per ASTM A653, minimum 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:** 26 Ga. Residential Panel metal roof panels are certified for use over nominal 1x4 Grade #2 or better SYP purlins over 15/32" 4-Ply B-C Group 1 exterior plywood sheathing complying with 2020 Florida Building Code, Section 2303.1.5, with a minimum installed slope of 4% (1/2:12).

4.3. **Anchorage:** 26 Ga. Residential Panel metal roof panels shall be through-fastened to the 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. The 1x4 purlins attach to the plywood deck with (1) 8D x 2-1/2" Hot Galv. Ring Shank Patio/Deck Nails or approved equivalent at 4" O.C.



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Certification Report

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5. Installation

26 Ga. Residential 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 26 Ga. Residential Panel 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	101-0251T-17D - F

6.1. Wind Resistance

The allowable Ultimate Wind Uplift Capacity for Reed’s Metals 26 Ga. Residential 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 1x4 #2 SYP over (1) layer of asphalt shingles over (1) layer of 30# felt paper over nominal 15/32” plywood sheathing.	A 9”-9”-9”-6.5” 24” O.C.	-63.5 psf
	B 9”-9”-9”-6.5” 12” O.C.	-123.5 psf

7. Conditions of Use

26 Ga. Residential Panel 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%).

8. Limitations of Use

26 Ga. Residential Panel 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 Chapter 16 for structural loading and Code Chapter 23 for wood.



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Certification Report

11033-011-KCI



9. Licensed Manufacturing Facilities

This Certification Report is applicable only to Reed's Metals 26 Ga. Residential Panel 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

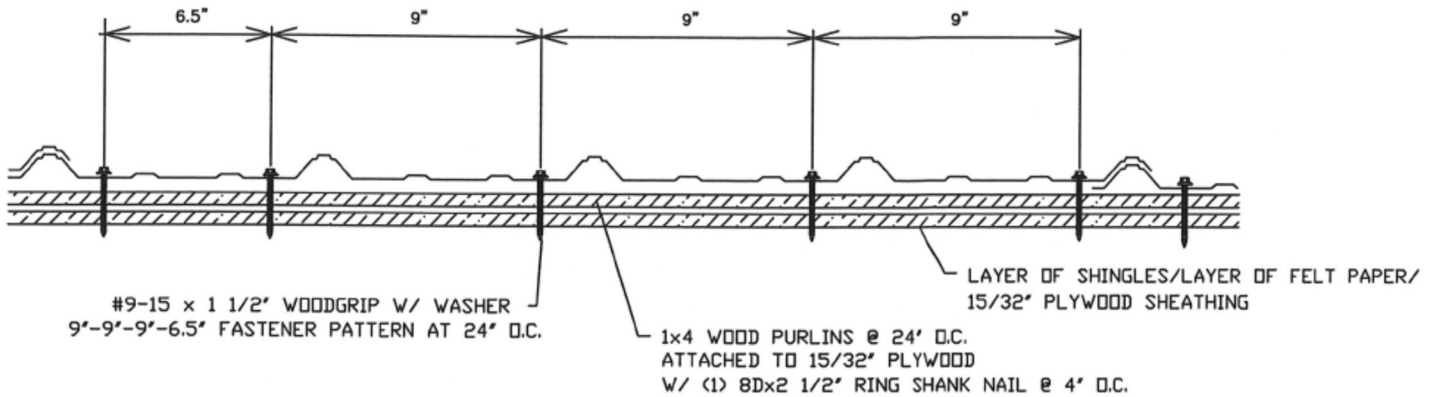
10. Identification

Reed's Metals 26 Ga. Residential Panel 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:

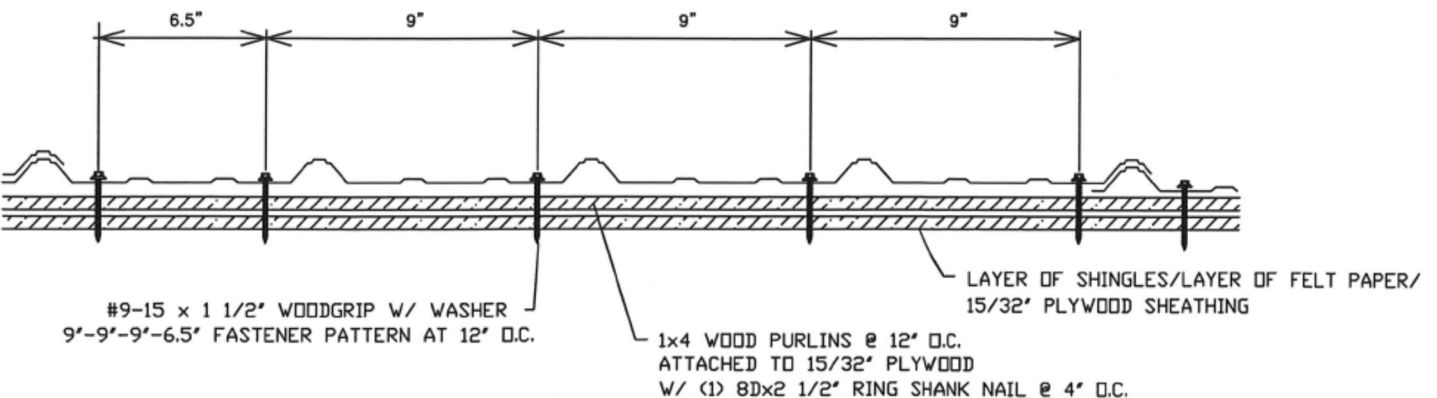
Appendix 1

Notes: In all cases, the fasteners shall fully penetrate the 1x4 purlins. Lap sealant is required for all installed slopes below 3:12 (25%).

Anchor Pattern A



Anchor Pattern B





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Certificate Revisions

Rev #	Date	Description
0	4/23/2018	Initial issuance.
1	9/3/2019	Updated ANSI Logo to proper requirements
2	12/22/2020	Updated to 2020 Florida Building Code. Added hyperlink FL24508-R1

Refer to 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.