



# Metal Roof Certification & Listing Program

## Certification Report



11048-001-KCI

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

Issue Dated: 02/08/2021  
Revision Date: 02/11/2021  
Expiration Date: 02/08/2026

### Construction Specifications Institute (CSI) Category:

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

**Section:** 07 41 13 – Metal roof and wall panels

### 1. Program Licensee:



ProVia, LLC.  
301 Industrial Park Road  
Booneville, MS 38829  
888-728-0316  
<http://provia.com/>

### 2. Certified Roof Covering:

ProVia LLC.'s Panel Shake (Stamped) non-structural metal roof panels installed over plywood sheathing roof deck for use in new construction 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 for use inside the HVHZ:

- 2020 Florida Building Code - Building, 7th Edition, Section 1504.3.2 and 1518.9.1
- Florida Product Approval Rule 61G20-3.

### Properties Evaluated:

- Wind Uplift Resistance
- Wind-Driven Rain
- Physical Properties

**This Certification Report was used to qualify  
Florida Product Approval #**

### 4. Evaluated Roof System Description:

**4.1. Roof Covering:** Panel Shake (Stamped) metal roof panels are 13-27/32" wide, stamped from ASTM A653 minimum uncoated 0.019" thick, 50 ksi steel sheet. The panels are G90 galvanized and paint coated and shall be installed in accordance with the manufacturer's instructions and this Certification Report.

**4.2. Roof Deck:** Panel Shake (Stamped) metal roof panels are certified for use over solid or closely-spaced, minimum nominal 15/32" B-C 4 Ply Plywood sheathing complying with 2020 Florida Building Code - Building, 7th Edition, Section 2303.1.5 with an HVHZ minimum slope of 3:12.

**4.3. Anchorage:** Panel Shake (Stamped) metal roof panels shall be attached to the roof deck using seven (7) #10 x 1" hex washer head screws. The fastener spacing is as described in Table 1 and Appendix 1.

**4.4. Underlayment:** Panel Shake (Stamped) metal roof panels in new construction applications shall be installed over underlayment meeting the applicable material type and attachment details specified in 2020 Florida Building Code - Building, 7th Edition Table 1507.1.1.1., the manufacturer's installation instructions and this Certification Report.

### 4.5. Installation

Panel Shake (Stamped) metal roof panels in new construction applications shall be installed in accordance



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with the 2020 Florida Building Code - Building, 7th Edition, Section 1507.4, the manufacturer’s published installation instructions and this Certification Report. The installation of edge metal and flashings shall be in accordance with RAS 111.

Panel Shake (Stamped) metal roof panels in re-covering applications must have all old roofing materials removed and shall be installed in accordance with the 2020 Florida Building Code - Building, 7th Edition, Section 1521 (HVHZ), the manufacturer’s published installation instructions and this Certification Report. The installation of edge metal and flashings shall be in accordance with RAS 111.

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.

### 5. Product Performance

Panel Shake (Stamped) metal roof panels described in this Certification Report has been determined in accordance with:

- TAS 125-03, *Standard Requirements for Metal Roofing Systems.*
- TAS 100-95, *Test Procedure for Wind and Wind Driven Rain Resistance of Discontinuous Roof Systems.*
- TAS 110-2000, *Standard Requirements for Physical Properties of Roof Membranes, Insulation Materials, Membrane Coatings and Other Roof Components.*

As tested & reported by the following independent accredited laboratories:

Laboratory	Report Ref.
Intertek - signed and sealed by Daniel Culbert, PE	J0888.02-109-18-R2 J8122.01-109-18-R1
Intertek - signed and sealed by Vinu Abraham, PE	L1586.01-106-31-R0

### 5.1. Wind Resistance

Panel Shake (Stamped) metal roof panels anchored as described in Table 1 and 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	Fastener Spacing	Max Design Uplift Pressure
Over 15/32” B-C 4 Ply Plywood	<b>Field</b>	At 2-3/8” from Edge, 7- 11/16” Max O.C.	<b>-56 psf</b>
Over 15/32” B-C 4 Ply Plywood	<b>Perimeter / Corner</b>	At 2-3/8” from Edge, 7- 11/16” Max O.C.	<b>-56 psf</b>



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#### 6. Conditions of Use

Panel Shake (Stamped) metal roof panels must be insulated against other materials or metals including concrete, lead, copper and treated lumber that contains corrosive materials.

#### 7. Limitations of Use

Panel Shake (Stamped) metal roof panels are qualified for use inside 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.

#### 8. Licensed Manufacturing Facilities

This Certification Report is applicable only to Panel Shake (Stamped) metal roof panels manufactured at the following location:

ProVia, LLC.  
301 Industrial Park Road  
Booneville, Mississippi 38829

Each licensed facility is subject to periodic inspection by Keystone Certifications to verify conformance with Keystone Roof Covering Certification & Listing Program requirements.

#### 9. Identification

Panel Shake (Stamped) 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:

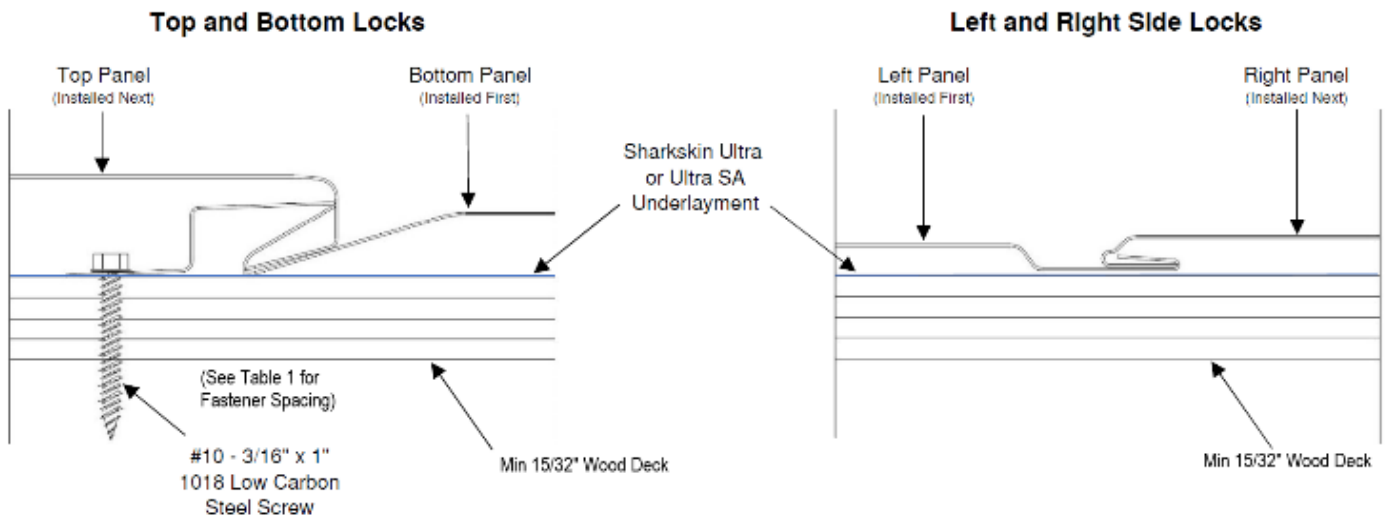


Aaron M. Shultz  
Validation Manager

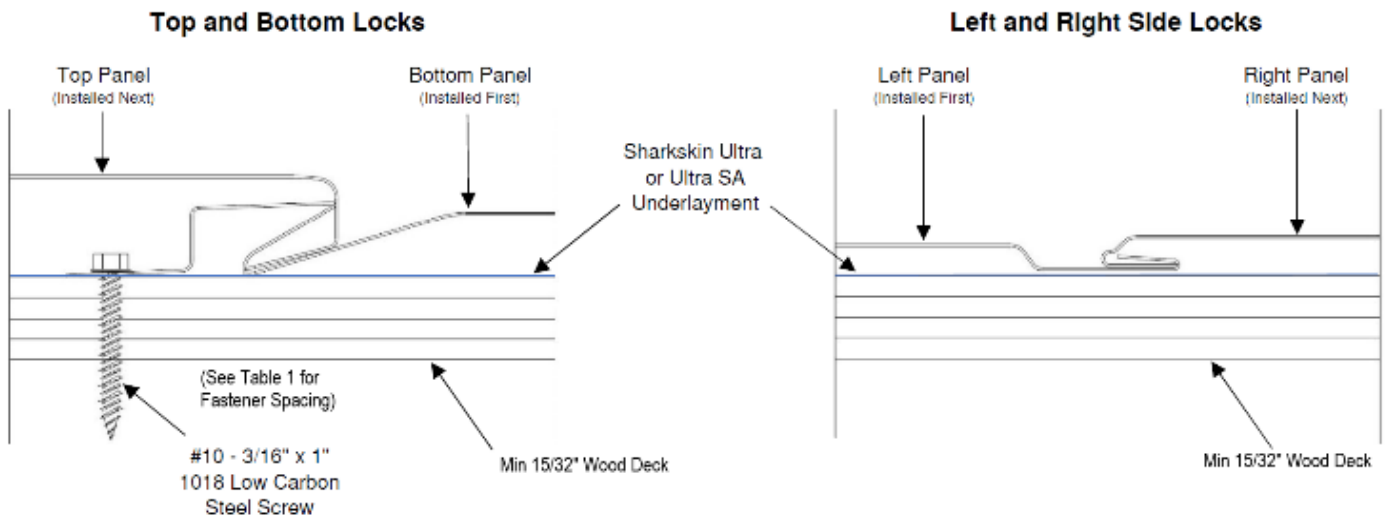
## Appendix 1

Note: In all cases (new construction and re-covering), the fasteners shall fully penetrate the plywood roof deck (as applicable).

### Field Anchor Pattern



### Perimeter-Corner Anchor Pattern





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### Certificate Revisions

Rev #	Date	Description
0	02/08/2021	Initial issuance.
0	02/11/2021	Revised minimum slope from 4:12 to 3:12.