

# PREMIER

## METAL ROOF MANUFACTURERS

Florida Product Approval # FL 30343

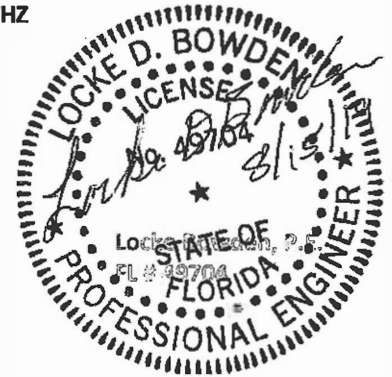
**Premier Metal**  
**17613 South Hwy. 475**  
**Summerfield, FL 34491**  
**352-356-1609**

**PL-100 .029 Aluminum 1.0 Panel over Plywood**

Florida Building Code 2017 6<sup>th</sup> ed.  
Compliance: Per Rule 61G20-3 Method: 1-D  
Category: Roofing -Subcategory: Metal Roofing NON-HVHZ

Engineer Evaluator  
Locke Bowden, P.E.  
9450 Alysbery Place  
Montgomery, AL 36117

Engineer Validator  
Diane Marotta, P.E.  
555 Prospect Road  
Oakland, FL 33309



- 
- Compliance Statement:** The product as described in this report has demonstrated compliance with the Florida Building Code 2017 6<sup>th</sup> ed., Sections 1504.3.2, 1507.4.3, 1507.1.1
- Product Description:** **Min. .029 aluminum PL-100** Snaplock-Nailstrip, 1.0 Panel over 15/32" 4-ply CDX plywood restrained with fasteners W/ADHESIVE or WO/ADHESIVE-SEE INTAL DETAIL
- Material:** over decking over supports @ 24" O.C. Non-structural Application.
- Panel Dimensions:** MIN. .029 ALUMINUM conforming to Florida Building Code 2017 Section 1507.4.3 Corrosion Resistance: Panel Material shall comply with Florida Building Code 2017, Section
- Fastener:** 2017 Section 1506.7. 1507.4.3 **Panel Widths:** 16" Rib height: 1.0" tall rib height, thru fastened #10 X 1" panclick fastener w/bonded washers, into plywood substrate 1/4" min. Corrosion Resistant per FBC 1/4" o.c., fasten through the pre-existing nail strip slots. Female leg of the panel snap-fits to the male leg of the adjacent panel.
- Slope:** Range Slope per Florida Building Code 2017 6<sup>th</sup> ed., in accordance with Manufacturers recommendations.
- Installation:** Install per manufacturer's recommended details.
- Underlayment:** Per Manufacturer's installation guidelines per Florida Building Code 2017, CHAPTER 1507, CHART 1507.1.1
- Fire Classification:** Classification not part of this report.
- Shear Diaphragm:** Values are outside the scope of this report.
- Design Procedure:** Based on the dimensions of the structure, applicable wind loads are determined using Chapter 16 of the Florida Building Code 2017 for roof cladding wind loads. These component wind loads for roof cladding are Compared to the allowable pressure listed above. The design professional shall select the applicable erection details to reference in drawings for correct fastener attachment to his structure and analyze the panel fasteners for pullout and pullover. Support framing must be compliant with Florida Building Code 2017 Chapter 22 for steel, Chapter 23 for wood and Chapter 16 for structural loading.

# PREMIER

## METAL ROOF MANUFACTURERS

### .029 Aluminum 1.0 PL-100 PANEL

-57.62psf @ 5-1/4" O.C. FASTENER SPACING W/OUT ADHESIVE

-153.5psf @ 5-1/4" O.C. FASTENER SPACING w/ADHESIVE

Test References: TAS 125-03 - Report # I4625.04-450-44-RO

# I4161.03-450-44-RO

➤ UL 580-06-Test for Uplift Resistance of Roof Assemblies

**Design Uplift Pressures:** Uplift Design Pressure: with Safety Factor of 2

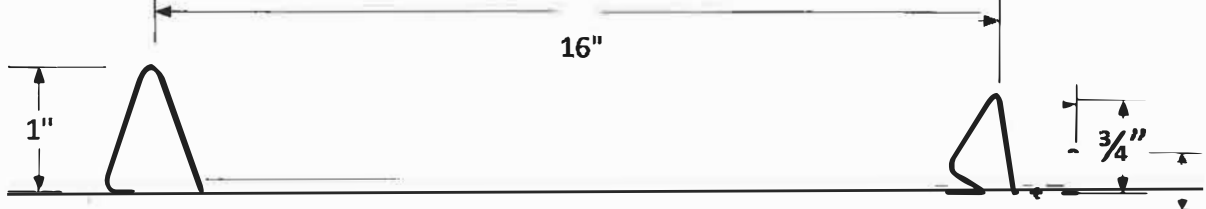
*Integrity Metal authorizes sharing this report.*

**Certificate of Independence:** Locke Bowden, P.E. does not have nor will acquire financial interest in any company manufacturing or distributing products under this evaluation. Locke Bowden, P.E. is not owned or operated or controlled by any company manufacturing or distributing product under this report.

#### LIMITATIONS

1. Underlayment to be compliance with current Florida Building Code (FBC)2017 6<sup>TH</sup> ed.. see Chart 1507.1.1
2. Minimum slope to be compliant with Florida Building Code 2017 6<sup>th</sup> ed., and per with Manufacturer's installation reference.
3. Products are compliant with State of Florida product approval per Rule 61G20-3. Compliance Method: 1-D
4. Engineering analysis for "project specific approval by local authorities w/jurisdiction is allowed by other registered engineers.
5. Fire classification is not part of this acceptance. Shear diaphragm values are outside this report.
6. Support framing in compliance w/FBC 2017 6<sup>th</sup> ed., Chapter 22 Steel, Chapter 23 Wood and Chapter 16 Structural Loading.
7. This report does not imply warranty, installation, recommended product use outside of this report.

**INS ALL DETAILS PER MANUFACTURER'S DETAILS AND IN ACCORDANCE WITH FBC 2017.**



#### FASTENER PATTERN ALONG VERTICAL SEAM:

**METHOD 1: FASTENED @ 5-1/4" O.C. W/ A CONTINUOUS 3/16" BEAD OF BOSTIK CHEMICAL SEALANT USED AT THE BASE OF THE LEG OF THE NAIL STRIP SIDE OF THE SEAM**      **METHOD 2: FASTENED @ 5-1/4" O.C.**

