



Florida Product Approval # FL 30343

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

**5 V CRIMP 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**  
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**Engineer Validator**  
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<b>Compliance Statement:</b>	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
<b>Product Description:</b>	<b>5 V CRIMP</b> Panel, 24" Wide. 3/8" rib height panels restrained with fasteners over 15/32" APA Plywood decking over supports @ 24" O.C. Non-structural Application.
<b>Material:</b>	26ga steel 49ksi conforming to Florida Building Code 2017 Section 1507.4.3
<b>Panel Dimensions:</b>	Corrosion Resistance: Panel Material shall comply with Florida Building Code 2017, Section 1507.4.3 <b>Panel Widths:</b> 24" width panels Rib height: THRU FASTENED *see install details.
<b>Fastener:</b> 2017 Section 1506.7.	#10 X 1-" Hi Lo HWH fastener w/weather seal washer Corrosion Resistant per Florida Building Code 1/4" minimum penetration through bottom of plywood . Plywood supports at maximum 24' O.C.
<b>Design of plywood supports</b>	are outside the scope of this evaluation. Must be designed in accordance w/ Florida Building Code 2017.
<b>Minimum Slope :</b>	Range Slope per Florida Building Code 2017 6 <sup>TH</sup> ed., in accordance with Manufacturers recommendations.
<b>Installation:</b>	Install per manufacturer's recommended details.
<b>Underlayment:</b>	Per Manufacturer's installation guidelines per Florida Building Code 2017, CHAPTER 1507, CHART 1507.1.1
<b>Fire Classification:</b>	Classification not part of this report.
<b>Shear Diaphragm:</b>	Values are outside the scope of this report.
<b>Design Procedure:</b>	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

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**Design Uplift Pressures:** Uplift Design Pressure: with Safety Factor of 2  
 -82.25psf 9-9-9-9 FASTENING PATTERN 24" O.C.

-123.5psf 9-9-9-9 FASTENER PATTERN 12" O.C.  
**INSTALL DETAILS:** Fasten at each seam and intermediate rib

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INTERTEK Test References: I4625-450-44-R0

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

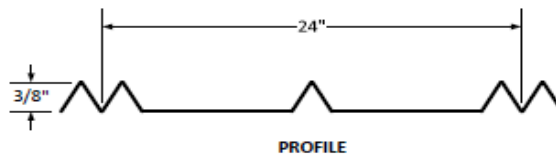
**Allowable Design Pressure** -63.5psf or -86psf *DESIGN PRESSURE SAFETY MARGIN 2:1*  
 16" o.c. 12" o.c.

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### 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.

### INSTALL DETAILS PER MANUFACTURER'S DETAILS AND IN ACCORDANCE WITH FBC 2017.



FASTENER PATTERN

FIELD SPACING @ 16" O.C.  
 PERIMETER SPACING @ 12" O.C.

*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.

