

Product Evaluation Report
RPS METAL ROOFING & SIDING, INC.

24 Ga. Pro Lok Roof Panel over 15/32" Plywood

Florida Product Approval # 6095.1 R5

Florida Building Code 2017

Per Rule 61G20-3

Method: 1 -D

Category: Roofing

Subcategory: Metal Roofing

Compliance Method: 61G20-3.005(1)(d)

NON HVHZ

Product Manufacturer:

RPS Metal Roofing & Siding, Inc.

302 4th Ave.

Welaka, FL 32193

Engineer Evaluator:

Terrence E. Wolfe, P.E. # 44923

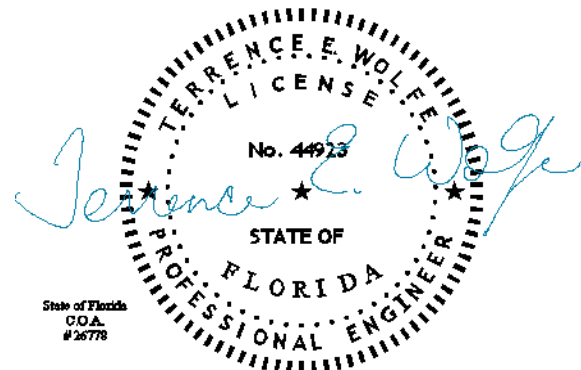
Florida Evaluation ANE ID: 1920

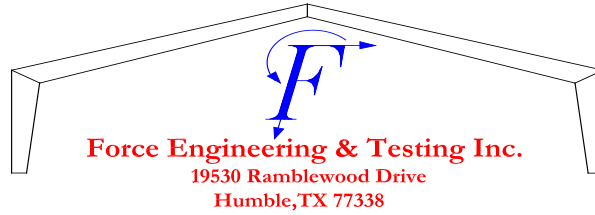
Validator:

Brian Jaks, P.E. #70159

Contents:

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Compliance Statement: The product as described in this report has demonstrated compliance with the Florida Building Code 2017, Sections 1504.3.2.

Product Description: Pro Lok Roof Panel, 1" tall snap lock rib with nailable strip, 24 Ga. Steel, 16" Coverage, Roof Panel restrained with fasteners into 15/32" APA Plywood decking. Non-Structural Application.

Panel Material/Standards: Material: 24 Ga. Steel conforming to Florida Building Code 2017 Section 1507.4.3
Yield Strength: Min. 50.0 ksi
Corrosion Resistance: Panel Material shall comply with Florida Building Code 2017, Section 1507.4.3

Panel Dimension(s): Thickness: 0.023"
Width: 16" Maximum Coverage
Female Rib: 1" tall
Male Rib: Rib w/ slotted strip
Panel Seam: Snap Lock
Panel Rollformer: Knudson Mfg, Inc.

Panel Fastener: Through Panel Slot: (1) #10-13 x 1-1/2" GP Concealer or equivalent fastener
1/4" minimum penetration through plywood
Corrosion Resistance: Per Florida Building Code 2017, Section 1507.4.4.

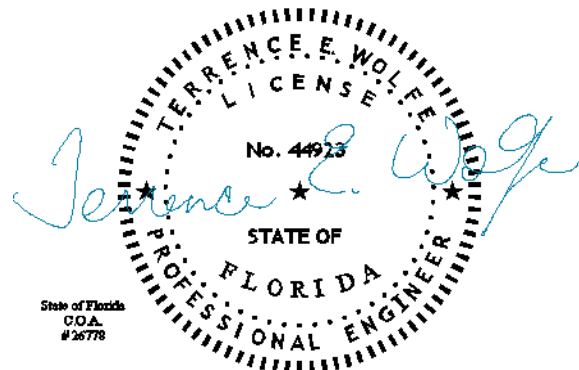
Substrate Description: 15/32" thick, APA Rated plywood. Plywood supports at maximum 24" O.C.
Design of plywood and plywood supports are outside the scope of this evaluation. Substrate must be designed in accordance w/ Florida Building Code 2017.

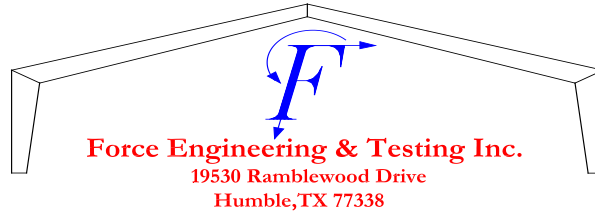
Allowable Design Uplift Pressures:

Table "A"

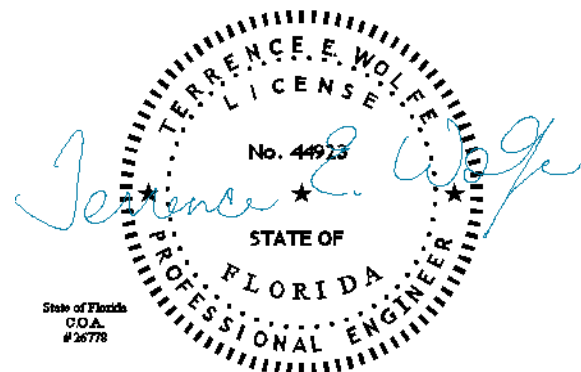
Maximum Total Uplift Design Pressure:	86.75 psf
Panel Slot Fastener Spacing:	12" O.C.

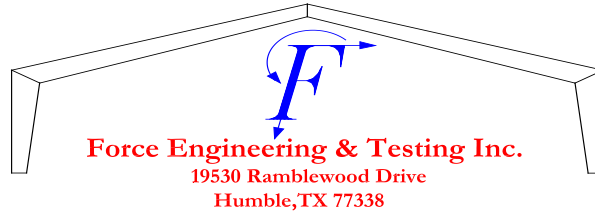
*Design Pressure includes a Safety Factor = 2.0.



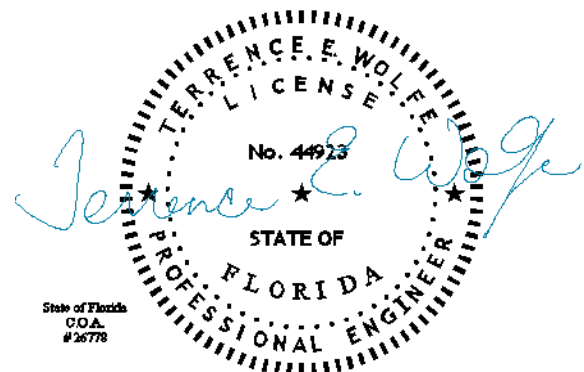


- Code Compliance:** The product described herein has demonstrated compliance with The Florida Building Code 2017, Section 1504.3.2.
- Evaluation Report Scope:** The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2017, as relates to Rule 61G20-3.
- Performance Standards:** The product described herein has demonstrated compliance with:
- UL 580-06 - Test for Uplift Resistance of Roof Assemblies
 - UL 1897-2012 - Uplift Test for Roof Covering Systems
- Reference Data:**
1. UL 580-94 / 1897-98 Uplift Test
Force Engineering & Testing, Inc. (FBC Organization # TST-5328)
Report No. 118-0038T-05
 2. Certificate of Independence
By Terrence E. Wolfe, P.E. (No. 44923) @ Force Engineering & Testing, Inc.
(FBC Organization # ANE ID: 1920)
- Test Standard Equivalency:** The UL 580-94 test standard is equivalent to the UL 580-06 test standard. The UL 1897-98 test standard is equivalent to the UL 1897-2012 test standard.
- Quality Assurance Entity:** The manufacturer has established compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity.

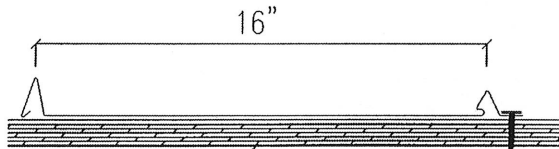




- Minimum Slope Range:** 3:12. Minimum Slope shall comply with Florida Building Code 2017, including Sections 1507.4.2 and in accordance with Manufacturers recommendations.
- Installation:** Install per manufacturer's recommended details.
- Underlayment:** Per Florida Building Code 2017, Section 1507.1.1 and manufacturer's installation guidelines.
- Roof Panel Fire Classification:** Fire classification is not part of this acceptance.
- Shear Diaphragm:** Shear diaphragm values are outside the scope of this report.
- Design Procedure:** Based on the dimensions of the structure, appropriate 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 appropriate erection details to reference in his drawings for proper fastener attachment to his structure and analyze the panel fasteners for pullout and pullover. Support framing must be in compliance with Florida Building Code 2017 Chapter 22 for steel, Chapter 23 for wood and Chapter 16 for structural loading.



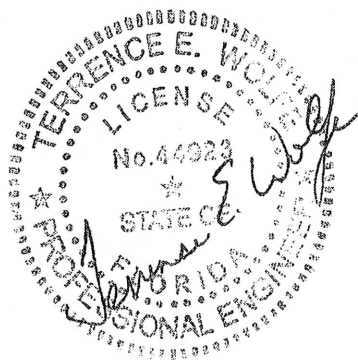
PRO LOK 24 GA. 16" COVERAGE



MIN. 15/32" PLYWOOD

#10-13 x 1-1/2" GP CONCEALOR
@ 12" O.C. MAX

State of Florida
C.O.A.
26778



APRIL 18, 2019