

PRODUCT EVALUATION REPORT

Ideal Steel, LLC

26 Gauge R or PBR Through Fastened Wall Panel over Open Framing

Florida Product Approval Number FL8894.1

Category: Structural Components

Sub Category: Structural Wall

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

NON-HVHZ

Manufacturing Location

**Ideal Steel, LLC
1289 Smede Hwy
Broussard, Louisiana 70518**

Engineer Evaluator

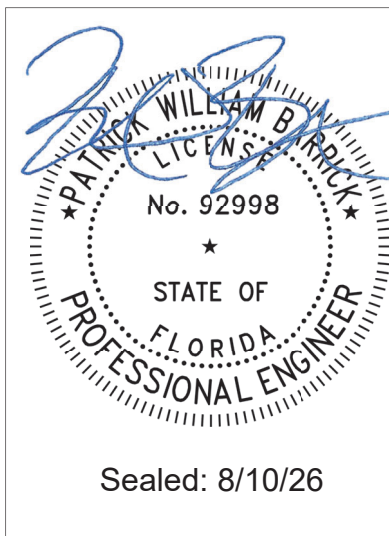
Patrick Barrick, P.E. Florida 92998

Validator

**Dennis L. Johnson, P.E., Florida 54340
Florida C.O.A. 30308**

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Evaluation Report Pages 1-4 Dated 07-16-2026



This document has been digitally signed and sealed by Patrick W. Barrick on the date below the seal.

Signature must be verified on any electronic copies.

Digitally signed by Patrick W
Barrick

Date: 2026.08.10 09:57:54 -05'00'

Compliance Statement

The product described in this report has demonstrated compliance with the 2026 (9th Edition) Florida Building Code Sections 1404.5

Product Description

Ideal Steel R or PBR Through Fastened structural panels applied over open framing:

1. PBR 26 Gauge
(0.0180 Sheet Thickness) with a minimum $F_y = 80$ ksi and $F_u = 82$ ksi 12-12 Fastener Spacing
2. PBR 26 Gauge
(0.0180 Sheet Thickness) with a minimum $F_y = 80$ ksi and $F_u = 82$ ksi 5-7-5 Fastener Spacing

Panel Material Standard

Formed steel in compliance with the 2026 (9th Edition) Florida Building Code Section 1405.2 with optional painted finish.

Panel Fastener

Corrosion Resistant #12 – 14 HWH SD in compliance with Section 1711, 1711.1, 1711.1.1, 1711.1.2 and Table 1711.1 as indicated in the **Load Tables** of this Evaluation Report.

Substrate Description

Minimum 16 gauge (0.0596 steel thickness) open framing.

Framing must be designed in accordance with the 2026 (9th Edition) Florida Building Code

Quality Assurance Entity

The manufacturer has established compliance of products in accordance with the 2026 (9th Edition) Florida Building Code as relates to Rule 61G20-3.005(3) for manufacturing under a quality assurance program audited by an approved quality assurance entity.

Insulation

Manufacturer's approved products (optional)

Fire Classification

Fire Classification is outside the scope of this evaluation

Shear Diaphragm

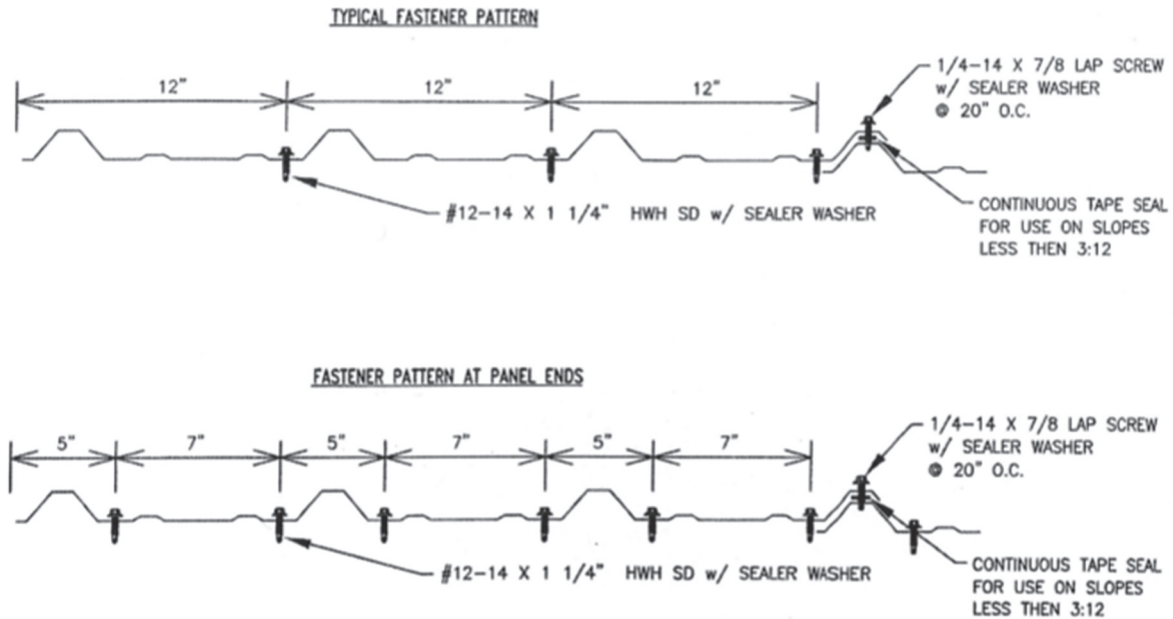
Shear Diaphragm is outside the scope of this evaluation

Design Procedure

Based on dimensions of the structure, appropriate wind loads are determined using chapter 16 of the 2026 (9th Edition) Florida Building Code for component loading of roof cladding. These component wind loads are compared to the allowable load listed in the **Load Tables** of this evaluation report. The design professional shall select appropriate fastener pattern and panel gauge to reference in the

construction documents for proper installation. Design of support framing must be in compliance with the 2026 (9th Edition) Florida Building Code.

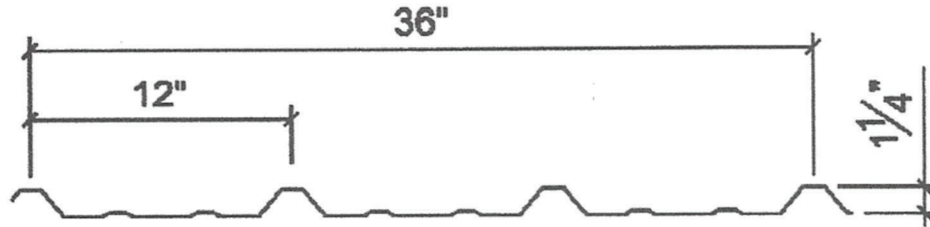
R or PBR Panel Fastener Diagram



Notes:

1. Fastener Pattern 5-7-5 is to be used at the ends of all panels
2. Fastener Pattern 12-12 and 5-7-5 are to be used at the intermediate supports as indicated in the span load tables to achieve the required uplift load capacity.

Ideal Steel (PBR)



Ideal Steel (PBR) Panel (26 Gauge)				Section Properties					
Panel Gauge	Fy	Fu	Weight	Negative Bending			Positive Bending		
	ksi	Ksi	Psf	I _{xe}	S _{xe}	Maxo	I _{xe}	S _{xe}	Maxo
26	60*	61.5*	0.88	0.0370	0.0499	1.793	0.0410	0.0341	1.227

*= Fy is 80 ksi, Fu is 82 ksi reduced to Fy = 60 ksi and Fu = 61.5 ksi in accordance with the 2016 North American Specification for Cold-Formed Steel Structural Members with Supplement 2 (2020), Section A2.3.2.

26 gauge (Fy = 60 ksi) #12-14 Fasteners on 12" centers for attachment to all supporting members (16 gauge minimum)**											
Span Type	Load Type	Span in Feet									
		3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
Single	Negative Wind Load	132.8	97.6	74.7	59.0	47.8	39.5	33.2	28.3	24.4	21.3
	Live Load / Deflection	90.9	66.8	51.1	40.4	32.7	27.0	22.7	19.4	16.7	14.5
2-Span	Negative Wind Load	63.6	54.5	47.7	39.4	32.1	26.6	22.4	19.1	16.5	14.4
	Live Load / Deflection	119.5	90.1	70.2	56.2	49.5	38.2	32.3	27.6	23.9	20.9
3-Span	Negative Wind Load	72.3	62.0	54.2	48.2	39.8	33.0	27.9	23.8	20.6	18.0
	Live Load / Deflection	122.3	104.3	79.9	63.1	51.1	42.3	35.5	30.3	26.1	22.7

** Fasteners shall be 1/2" minimum head diameter

26 gauge (Fy = 60 ksi) #12-14 Fasteners on 5"-7"-5" centers for attachment to all supporting members (16 gauge minimum)**											
Span Type	Load Type	Span in Feet									
		3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
Single	Negative Wind Load	132.8	97.6	74.7	59.0	47.8	39.5	33.2	28.3	24.4	21.3
	Live Load / Deflection	90.9	66.8	51.1	40.4	32.7	27.0	22.7	19.4	16.7	14.5
2-Span	Negative Wind Load	86.3	64.2	49.6	39.4	32.1	26.6	22.4	19.1	16.5	14.4
	Live Load / Deflection	119.5	90.1	70.2	56.2	45.9	38.2	32.3	27.6	23.9	20.9
3-Span	Negative Wind Load	105.5	79.0	61.2	48.8	39.8	33.0	27.9	23.8	20.6	18.0
	Live Load / Deflection	122.3	104.3	79.9	63.1	51.1	42.3	35.5	30.3	26.1	22.7

Notes:

1. Allowable loads are based on uniform span length and uniformly distributed load.
2. Allowable gravity load is limited by bending, shear or deflection.
3. Allowable gravity loads are computed for a maximum total load deflection of L/60.
4. Weight of the panel must be included with gravity load combinations as appropriate.
5. This material is subject to change without notice
6. This material has been developed in accordance with the 2016 North American Specification for Cold-Formed Structural Steel Members with Supplement 2 (2020).

The engineering data contained herein is for the express use of the customers of Ideal Steel and qualified design professionals.