

**Force Engineering & Testing**  
19530 Ramblewood Drive  
Humble, Texas 77338  
Phone: (281) 540-6603, Fax: (281) 540-9966  
Website: forceengineeringtesting.com

**Product Evaluation Report**  
**METAL HEADS, LLC.**

**26 Ga. PBR Wall Panel over open framing**

**Florida Product Approval # 33821.1**

Florida Building Code 2020  
Per Rule 61G20-3  
Method: 2 –B

Category: Structural Components  
Subcategory: Structural Wall  
Compliance Method: 61G20-3.005(2)(b)  
NON HVHZ

**Product Manufacturer:**

**Metal Heads, LLC.**  
620 Cardinal Circle  
Summerdale, Alabama 36580

**Engineer Evaluator:**

**Johnathan Green, P.E. # 88223**  
Florida Evaluation ANE ID: 12901

**Validator:**

**Brian Jaks, P.E. #70159**

**Contents:**

**Evaluation Report    Pages 1 – 4**

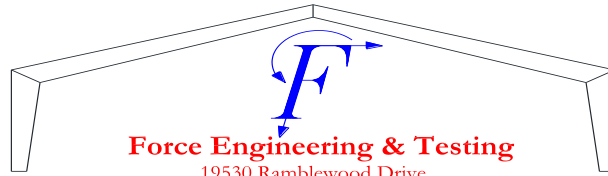


OCT 13 2020

THIS ITEM HAS BEEN  
DIGITALLY SIGNED AND  
SEALED BY JOHNATHAN  
GREEN ON THE DATE  
ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS  
DOCUMENT ARE NOT  
CONSIDERED SIGNED AND  
SEALED AND THE  
SIGNATURE MUST BE  
VERIFIED ON ANY  
ELECTRONIC COPIES.

FL# 33821.1



**Force Engineering & Testing**  
 19530 Ramblewood Drive  
 Humble, Texas 77338  
 Phone: (281) 540-6603, Fax: (281) 540-9966  
 Website: forceengineeringtesting.com

- Compliance Statement:** The product as described in this report has demonstrated compliance with the Florida Building Code 2020, Sections 1709.2
- Product Description:** PBR Wall Panel, 26 Ga. Steel, 36" Wide, through fastened structural wall panel. Structural Application.
- Panel Material/Standards:** Material: 26 Ga. Steel, ASTM A792 or ASTM A653 G90 conforming to Florida Building Code 2020 Section 1405.2.  
 Yield Strength: Min. 80.0 ksi
- Panel Dimension(s):** Thickness: 0.0185" min.  
 Width: 36" maximum coverage  
 Rib Height: 1 1/4" major rib at 12" O.C.
- Panel Fastener:** #12-14 x 1-1/4" Flange-Seal Head SD3 w/ EPDM washing or approved equal.  
 1/4-14 x 7/8" Flange-Seal Head SD1 w/ EPDM washer through panel side laps at 20" O.C.  
 Corrosion Resistance: Per Florida Building Code 2020.
- Substrate Description:** Min. 16 Ga. Steel Framing. Framing must be designed in accordance w/ Florida Building Code 2020.

**Allowable Design Pressures:**

Table "A"

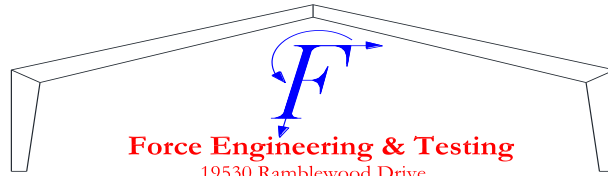
<b>Maximum Design Pressure:</b>	-46.9 psf	+57.3 psf	-124.9 psf	+169.0 psf
<b>Fastener Pattern:</b>	12"-12"-12"	12"-12"-12"	12"-12"-12"	12"-12"-12"
<b>Fastener Spacing:</b>	5'-0" O.C.	5'-0" O.C.	2'-0" O.C.	2'-0" O.C.

\*Design Pressure includes a Safety Factor = 2.0



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JOHNATHAN GREEN ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



**Force Engineering & Testing**

19530 Ramblewood Drive

Humble, Texas 77338

Phone: (281) 540-6603, Fax: (281) 540-9966

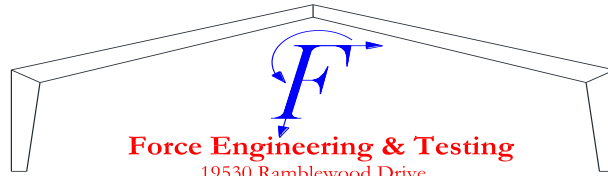
Website: [forceengineeringtesting.com](http://forceengineeringtesting.com)

- Code Compliance:** The product described herein has demonstrated compliance with The Florida Building Code 2020, Section 1709.2
- Evaluation Report Scope:** The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2020, as relates to Rule 61G20-3.
- Performance Standards:** The product described herein has demonstrated compliance with:
- ASTM E 1592-05(2012) Test method for structural performance of sheet metal roof and siding systems by uniform static air pressure difference.
- Reference Data:**
1. ASTM E 1592-05 (2012)  
Force Engineering & Testing (FBC Organization # TST-5328)  
Report No. 706-0114T-20
  2. Certificate of Independence  
By Johnathan Green, P.E. #88223
- 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.
- Installation:** Install per manufacturer's recommended details.
- Insulation:** Manufacturer's approved product (Optional)
- 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 2020 for wall cladding wind loads. These component wind loads for wall 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 2020 Chapter 22 for steel, and Chapter 16 for structural loading.



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JOHNATHAN GREEN ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



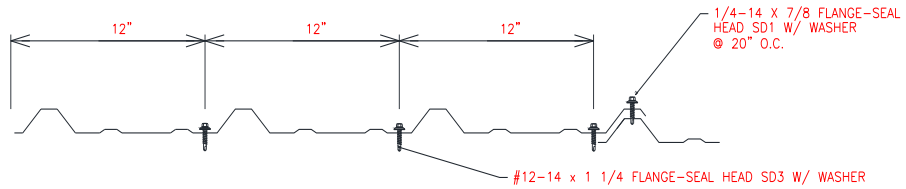
**Force Engineering & Testing**

19530 Ramblewood Drive  
Humble, Texas 77338

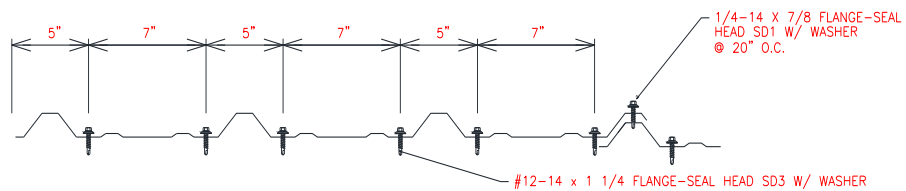
Phone: (281) 540-6603, Fax: (281) 540-9966

Website: forceengineeringtesting.com

PANEL INTERIOR FASTENER PATTERN



PANEL ENDS FASTENER PATTERN



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JOHNATHAN GREEN ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.