

Gulf Coast Supply & Mfg. Inc.

Product Evaluation Report for

26 Ga. PBR Roof Panel over open framing

Florida Product Approval # **11650.3**

Category: Structural Components

Subcategory: Roof Deck

Compliance Method: 9B-72.070(1)(d)

NON-HVHZ

Engineer Evaluator:

Terrence E. Wolfe, P.E. # 44923
19530 Ramblewood Drive
Humble, TX 77338

Validator:

Locke Bowden, P.E., FL #49704
9450 Alysbury Place
Montgomery, AL 36117



Product Manufacturer:
Gulf Coast Supply & Mfg, Inc.
4020 S.W. 449th Street
Horseshoe Beach, FL 32648
352-498-7852

Product Description:
PBR Roof Panel, 26 Ga. (0.0185" Fy = 80 ksi), 36" Coverage, 1-1/4" Tall Rib through fastened structural metal roof panel.

Panel Rollformer: MRS Metal Rollforming Systems
13906 N. Newport HWY
Mead, Washington 99021

Compliance Statement:
The product as described in this report has demonstrated compliance with the Florida Building Code 2007, Sections 1504.3.2.

Documentation Supporting the Compliance Statement:
The product has been tested in accordance with:
• ASTM E 1592-01: Test Report 117-0331T-08C dated 11-4-8 by Force Engineering & Testing, Inc.

Limitations and Conditions of use for NON-HVHZ:

Maximum Roof Component Pressures: -40.0 psf @ 5'-0" O.C. Fastener Spacing
(See Load Table for Additional Pressures)

Panel Material Standards: 26 Ga., 0.0185" min. Grade 80. Panel Material shall comply with FBC 2007, Section 1507.4.3

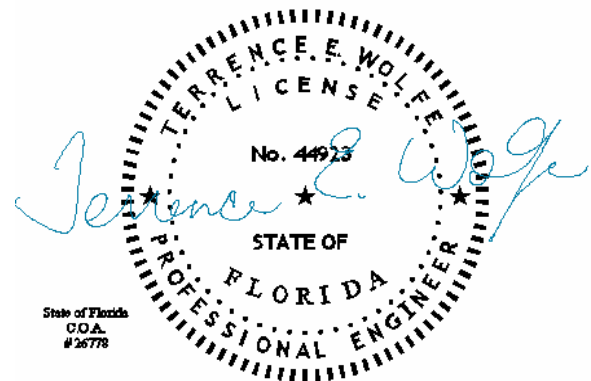
Panel Fasteners: #12-14 x 1-1/4" HWH Self Drillers w/ Sealer Washer @ 12"-12"-12" Fastener Pattern. Panel Side laps shall be fastened together w/ 1/4-14 x 7/8" Lap Tek w/ sealer washer @ 20" O.C. Fasteners must be Corrosion resistance per FBC 2007, Section 1507.4.4

Minimum Roof Slope: 1/2:12. Minimum Slope shall comply with FBC 2007, Section 1507.4.2 and Manufacturers recommendations.

Substrate Description: Minimum 16 Ga. steel framing Designed by others

Roof Panel Fire Rating: Class B fire exposure rating in accordance with FBC Section 1505.3.

Insulation: (Optional) Vinyl or reflective foil faced fiberglass batten insulations that have a flame spread rating of no more than 25 and a smoke development rating of not more than 450.



Shear Diaphragm:

Roof 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 FBC 2007 for roof cladding wind loads. These component wind loads for roof cladding are compared to the allowable pressures listed above and load table. 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 FBC Chapter 22 for steel, and Chapter 16 for structural loading.

Installation Requirements:

Install the panel system according to the manufacturer's installation instruction.

Quality Assurance Entity:

Keystone Certifications, Inc: FBC #QUA1824

Certificate of Independence:

See uploaded attachments

Authorized Representative:

Terrence E. Wolfe, P.E. #44923

