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METAL SYSTEMS INC.

Product Evaluation Report for

26 Ga. PBR Wall Panel over open framing

Florida Product Approval # 6513

Category: Structural Components

Subcategory: Structural Wall

**Compliance Method: Florida Department of Business and Professional
Regulation for Statewide Acceptance per Rule 9N-3.005 method 2.**

Engineer Evaluator:

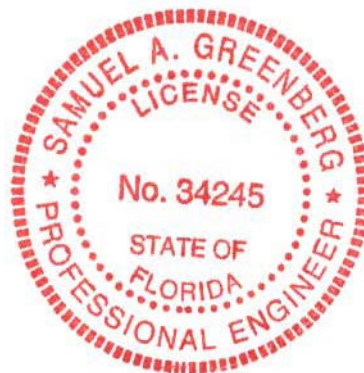
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Validator:

John Hoy, P.E. #55312
Florida Engineering Solutions, Inc.
Ph: 352-588-5311

This item has been digitally signed and sealed
by **Samuel A. Greenberg, PE** on **06/08/2021** using a
Digital Signature.

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DE # 411084
June 8, 2021
CA # 25948

**Product Manufacturer:**

Metal Systems Inc.
3301 Paul Buchman HWY
Plant City, FL 33585

Product Description:

PBR Wall Panel, 26 Ga., 36" Coverage, 1-1/4" Tall Rib at 12" o.c., fastened structural metal wall 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 7th Edition (2020), Sections 1403.3.

Documentation Supporting the Compliance Statement:

The product has been tested in accordance with:

- ASTM E1592-05 (2012): Test Report 129-0475T-08F & G by,
Force Engineering and Testing, Inc.

Limitations and Conditions of use for NON-HVHZ:

Maximum Roof Component Pressure: - 47.40 psf (nominal design wind pressure) @
5'-0" O.C. Spans
+ 60.00 psf (nominal design wind pressure) @
5'-0" O.C. Spans

Panel Material Standards: 26 Ga., 0.0185" Thick material Grade 80.
Panel Material shall comply with FBC 7th Edition (2020),
Section 1404.5 & Section 2210.

Panel Clip 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 screw
w/sealer washer @ 20" O.C. Fasteners must be
corrosion resistance per FBC 7th Edition (2020), section 1405.17.

Substrate Description: Min. 16 Ga. Steel framing designed by others



Insulation: (Optional) Vinyl or reflective foil faced fiberglass batten insulations that have a flame spread rating of more than 25 and a smoke development rating of not more than 450.

Shear Diaphragm: Wall Shear Diaphragm values are outside the scope of this report.

Design Procedure:

Based on the dimensions of the structure, appropriate and wind loads are determined using Chapter 16 of the FBC 7th Edition (2020) for wall cladding wind loads. These component wind loads for wall cladding are compared to the nominal design wind 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 decking & framing must be in compliance with FBC 7th Edition (2020) Chapter 22 for Steel, Chapter 23 for Wood 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 attachment

Authorized Representative:

Samuel A. Greenberg, P.E. #34245