



**EMR SERIES PBR**

**FL 46672.01 R0**

## **EMR Series PBR**

### **PBR Wall Panel (36" Wide)**

**Standard Size**

#### **Panel Material (as tested):**

26ga (min) steel. *Corrosion resistant per FBC 1507.4.3 where required.*

#### **Panel Description:**

Exposed fastener PBR wall panel. Nominally 1.25" tall rib and 36" (max) coverage.

#### **Deck/Substrate:**

16ga (min) steel framing

#### **Available Options:**

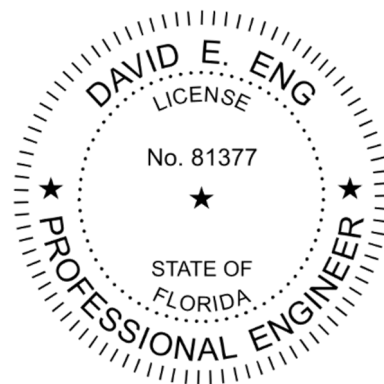
24ga also available and acceptable (*24ga is thicker than 26ga min*).

#### **EVALUATED BY:**

**David Eng, PE**  
Timberlake Cove, LLC  
FL PE 81377 • FL CA 37675  
1317 Edgewater Dr Ste 2339  
Orlando FL  
[timberlakecove.com](http://timberlakecove.com)

 Digitally signed by  
David E Eng  
Date: 2024.04.15  
18:57:25-04'00'

This item has been digitally signed and sealed by David Eng, PE on the date indicated. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



**ELITE METAL ROOFING SUPPLY LLC**

**PO BOX 938**  
**PORT SALERNO, FL 34992**

**Non-High Velocity Hurricane Zone (Non-HVHZ):**

This product *is approved for installation* **outside** the HVHZ (Miami-Dade & Broward counties). References to HVHZ sections of the FBC (e.g. Fire Barrier) generally do not apply when the product is installed outside of the HVHZ.

**High Velocity Hurricane Zone (HVHZ):**

This product *is NOT approved for installation* **inside** the HVHZ (Miami-Dade & Broward counties), and other jurisdictions which require HVHZ or NOA approvals. Comply with HVHZ elements of the FBC where required.

**Trim and Flashing Details:**

Outside the scope of this approval; refer to manufacturer's recommendations. Comply with RAS 133 where required.

**Maximum Allowable Loads:**

|                                                                                   | Option #1                                                                                                               | Option #2                                                                                                                |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Max. Design Pressure</b><br><i>(allowable)</i>                                 | -62.5 psf                                                                                                               | -130 psf                                                                                                                 |
| <b>Min. Fastener</b> <i>(larger diameter and longer fasteners are acceptable)</i> | #10 x 1.5" with sealing washer in 12"-12" pattern (one per rib).<br>#10 x 3/4" lap fastener in sidelap at 12" o.c. max. | #10 x 1.5" with sealing washer in 5"-7"-5" pattern (two per rib).<br>#10 x 3/4" lap fastener in sidelap at 12" o.c. max. |
| <b>Fastener Spacing</b>                                                           | 60" o.c. max                                                                                                            | 30" o.c. max                                                                                                             |
| <b>Sealant</b>                                                                    | Butyl tape or other sealant in side lap                                                                                 | Butyl tape or other sealant in side lap                                                                                  |

Notes:

Compare allowable pressures required for the project to the maximum allowable design pressure above and select any option which meets or exceeds the pressures required for the project

A factor of safety of 2.0 has been applied



**EMR SERIES PBR**

**FL 46672.01 R0**

**Technical Documentation:**

This product has been tested to the ASTM E-1592 standard by Intertek Testing (TST-1527), report L4914.02-450-18. Tests are owned by Lara IP, and used with permission.

**Compliance Statement:**

This product as described has demonstrated compliance with Florida Building Code 2023, 1504.3.2 (**non-HVHZ**) as required by FL Rule 61G20-3, method 1D.

This product as described has been tested and demonstrated compliance with:

- ASTM E1592 Structural Performance of Sheet Metal Roof

**Panel Labeling:**

Products sold in the HVHZ that require labeling shall bear the following or similar label. Other labeling in accordance with FBC 1523.5 shall also be permitted.



*City, State*

*EMR Series PBR FL #46672.01*

**Design Process:**

Compare the maximum allowable loads to the ASD uplift pressures for the project to determine sufficiency and installation requirements. Determine project uplift pressures using ASCE 7-22, FBC R301, project design documents, guidance from local building department, or other design professionals. Engineering analysis may be completed by other licensed engineers for project specific approval by local authorities having jurisdiction.

**Certification of Independence:**

David Eng, PE and Timberlake Cove, LLC do not have, nor will acquire a financial interest in any company manufacturing or distributing products under this evaluation. The same entities do not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

**Exclusions and Limitations:**

Design of deck and roof structure (to include attachment of substrate) shall be completed by others. Fire classification and shear diaphragm design are outside the scope of this evaluation. Accelerated weathering/salt spray is outside the scope of this evaluation.

This report is limited to compliance with structural wind load requirements of FBC 1504.3.2, as required by Rule 61G20-3. Neither Timberlake Cove nor the manufacturer shall be responsible for any conclusions, interpretations, or designs made by others based on this evaluation report. This report is limited solely to documenting compliance with Rule 61G20-3, and makes no express or implied warranty regarding performance of this product. Installation shall be subject to the local building code and authority having jurisdiction; this report shall not be construed to supersede local codes in force.

**ELITE METAL ROOFING SUPPLY LLC**

**PO BOX 938**

**PORT SALERNO, FL 34992**

## Panel Detail

