

**PRODUCT EVALUATION**

(Florida Product Approval)



**DM PBR**

**FL# 47755.2**

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

**24ga Galvalume  
Approved**

Approved for installation **inside** and **outside** of the **HVHZ** (Miami-Dade & Broward counties).

**Panel Material**

24ga Galvalume (min),

**Panel Description**

Structural steel wall panel with 1¼" tall rib (nominal) and 36" (max) coverage.

**Structural Framing**

16ga (min) steel framing

| MAX. DESIGN PRESSURE (psf) |                        |                        |
|----------------------------|------------------------|------------------------|
| SUPPORT SPACING<br>(in)    | FASTENER<br>PATTERN #1 | FASTENER<br>PATTERN #2 |
| 30                         | +160/-94.8             | +160/-146.6            |
| 36                         | +138.6/-79             | +138.6/-127.9          |
| 42                         | +117.3/-67.7           | +117.3/-109.3          |
| 48                         | +96/-59.2              | +96/-90.6              |
| 54                         | +74.6/-52.7            | +74.6/-72              |
| 60                         | +53.3/-47.4            | +53.3/-53.3            |

**Notes:**

- 1) 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.
- 2) See Drawing DMPBR-WHZ for fastener patterns.
- 3) Wall panels may be installed horizontally or vertically.
- 4) Panels must be attached to at least (3) girts (no single spans).
- 5) Panel end laps must be located at a support. Panels are overlapped 2", sealed with butyl tape, and fastened with #12x1 1/4" HWH ZAC Screws 3" O.C.
- 6) Panel seams must be fastened with #12x7/8" HWH ZAC screws 20" max O.C.

**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 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.

**Fire Barrier:**

Fire classification is not a part of this evaluation.

Where required, refer to a current fire directory listing for fire ratings of this system assembly as well as the location of the fire barrier within the assembly.

**Technical Documentation**

- 1) This product has been tested to meet the standards listed below by Intertek Testing (TST-152).
- 2) Per reports **M5026.04-450-18** and **M5026.05-450-18**, signed and sealed by Vinu Abraham, PE, and by PRI Construction Materials Technologies, per test reports **VLS-004-02-01** and **VLS-005-02-01**.
- 3) Drawing DMPBR-WHZ, dated 8/23/25, signed and sealed by Scott Wolters, PE.
- 4) Supplemental Calculations to support DMPBR-WHZ, signed & sealed by Scott Wolters, PE.
- 5) Reports used for evaluation are owned by Lara's IP & Research, LLC., and used with prior written permission.

**Compliance Statement:**

Reviewed per the FAC Product Approval Rule, Chapter 61G20-3.005 (4), this product, as described in this report and drawing DMPBR-WHZ, meets all of the requirements of the 8th Edition (2023) Florida Building Code, including the HVHZ provisions.

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

**ASTM E330** – Test for Uniform static air pressure difference

**TAS 201** – Impact test procedures

**TAS 202** – Test for Building Envelope components using uniform static air pressure

**TAS 203** – Cyclic wind pressure loading

## 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**  
**DM PBR FL #47755.2**

**Approved for**  
**Miami-Dade County**

## Design Process:

Compare the maximum allowable loads to the ASD uplift pressures for the project to determine sufficiency and installation requirements. Determine project wind 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.

## Exclusions and Limitations:

Design of structure shall be completed by others. Fire classification and shear diaphragm design are outside the scope of this evaluation.

This report is limited to compliance as required by Rule 61G20-3. Neither Wolters Engineering 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.

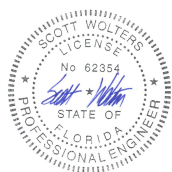
## Panel Forming:

Panels may be formed on the jobsite with the following DYME Metals Association, LLC approved machines, under a quality assurance program audited by an approved 3<sup>rd</sup>. party QA auditor

SSP-10751007, 5VC-0700123, SSQ2U-6470323, SSQ2U-6480323, SSQ-6800617, SSQ-6690517, 5VC-0490718, SSQ-5150216, SSQ-4560615, 5VC-0360516, SSQ-6810617, SSQ2U-4031121, SSQ2U-4041121, SSQU-4051121

If you have any questions or need more information concerning this approval, please contact me.

Scott Wolters  
FLPE# 62354  
Wolters Engineering, Inc.  
(COA# 27194)  
15211 97<sup>th</sup> Road N  
West Palm Beach, FL 33412  
(561) 225-1982



Digitally signed  
by Scott Wolters  
Date: 2025.09.08  
04:05:41 -04'00'

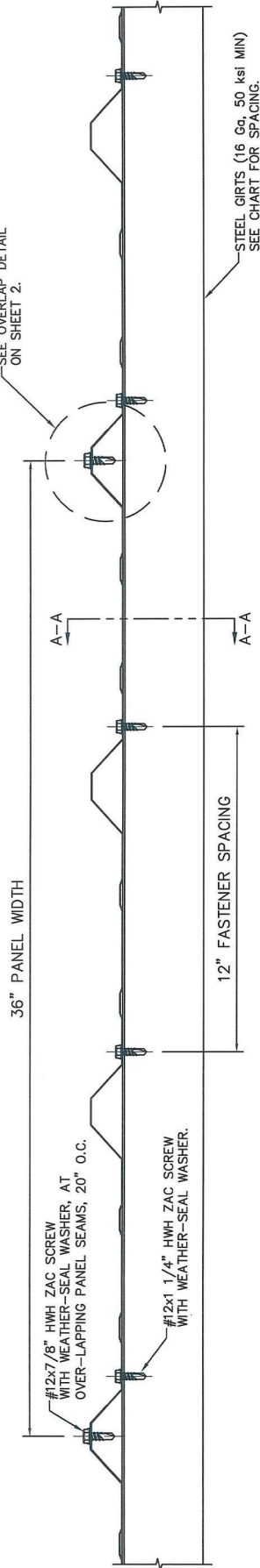
© 2025 Lara IP & Research, LLC.

All test data, engineering reports, technical illustrations, line drawings, and related intellectual property contained within this document are the sole property of Lara IP & Research, LLC. Used with permission under written prior written agreement by DYME Metals Association, LLC. for regulatory submittals, internal reference, and lawful distribution to authorized parties only.

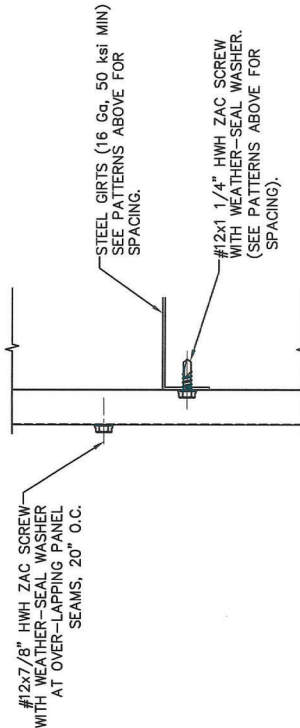
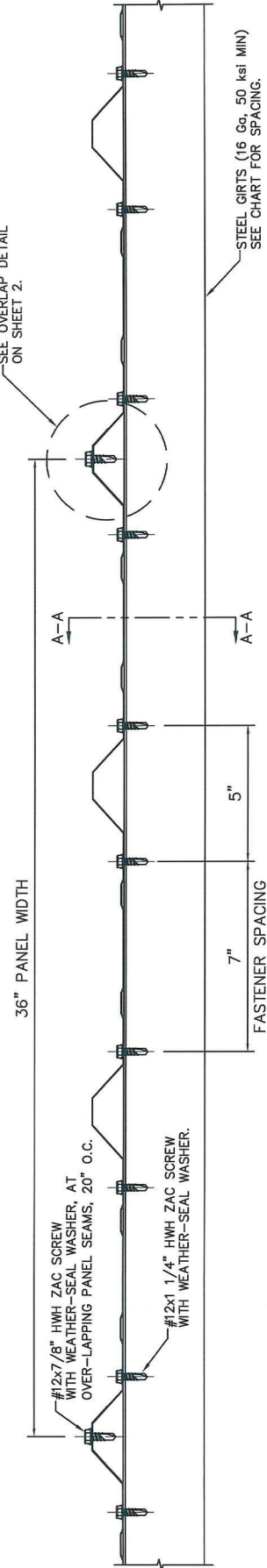
Reproduction, redistribution, or commercial use without express written consent from Lara IP & Research, LLC is strictly prohibited.

# DYME METALS SERIES 24 Ga. GALVALUME WALL PANEL 36" RIBBED WALL PANEL OVER STEEL GIRTS

FASTENER PATTERN #1



FASTENER PATTERN #2



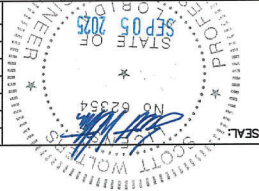
| SUPPORT SPACING<br>(in) | MAX DESIGN PRESSURE (psf) |                     |
|-------------------------|---------------------------|---------------------|
|                         | FASTENER PATTERN #1       | FASTENER PATTERN #2 |
| 30                      | +160/-94.8                | +160/-146.6         |
| 36                      | +138.6/-79                | +138.6/-127.9       |
| 42                      | +117.3/-67.7              | +117.3/-109.3       |
| 48                      | +96/-59.2                 | +96/-90.6           |
| 54                      | +74.6/-52.7               | +74.6/-72           |
| 60                      | +53.3/-47.4               | +53.3/-53.3         |

## GENERAL NOTES:

1. PBR WALL PANELS MAY BE INSTALLED HORIZONTALLY OR VERTICALLY.
2. PANELS MUST ATTACH TO AT LEAST (3) GIRTS (NO SINGLE SPANS).
3. AT PANEL BUTT JOINTS, PANELS ARE OVERLAPPED 2", SEALED WITH BUTYL TAPE, AND FASTENED WITH #12x1 1/4" HWH ZAC SCREWS 3" O.C. BUTT JOINTS MUST BE LOCATED AT GIRT.

SECTION A-A

| PRINTS ISSUED FOR | REV.# | DATE   |
|-------------------|-------|--------|
| 1ST SUBMITTAL     | -     | 9/5/25 |
|                   |       |        |
|                   |       |        |
|                   |       |        |
|                   |       |        |
|                   |       |        |
|                   |       |        |
|                   |       |        |
|                   |       |        |
|                   |       |        |



SCOTT WOLTERS  
FL PE# 62354  
WOLTERS ENGINEERING  
15211 97TH ROAD N  
WEST PALM BEACH, FL 33412  
(561) 225-1982  
www.dymemetals.net

DYME METALS  
PH: (772) 577-1546  
STUART, FL 34997

3355 SE LIONEL TERR  
STUART, FL 34997



DWG: DMPBR-WH3  
SHEET: 1/2

36"

12"

4"

4"

1/8"

1 1/4"

24 Ga. STEEL (50 ksi MIN)

#12x7/8" HWH ZAC SCREW-  
WITH WEATHER-SEAL WASHER  
AT OVER-LAPPING PANEL  
SEAMS, 20" O.C.

-BUTYL TAPE AT  
PANEL SEAMS.

OVERLAP DETAIL  
(1 RIB)

