

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: **DYNAMIC PBR SERIES 26 GA. GALVALUME ROOF PANEL, 36" WIDE
INSTALLED OVER 2x4 WOOD BATTENS (FLPA# 32041.3)**

MANUFACTURER: DYNAMIC METALS, LLC
3201 SE DOMINICA TERRACE
STUART, FL 34997

To all concerned,

The Dynamic PBR Series 26 Ga. 36" Wide Galvalume Roof Panel, manufactured by Dynamic Metals LLC, is a non-structural galvalume coated Fluoropon painted steel roof panel (50 ksi min) that meets the requirements of Section 1507.4 of the 7th Edition (2020) Florida Building Code. The panel has been tested per UL 580, UL 1897, and FM 4471 Section 4.4 by Intertek B&C, with results shown in test reports L6008.01-450-44 and J3465.03-109-44. It has also been tested per TAS 110 by PRI Construction Materials Technologies, with results shown in test reports VLS-004-02-01 and VLS-005-02-01.

Technical Documentation:

1. Drawing "DPBROWB" dated 4/17/21, signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Intertek B&C, signed and sealed by Vinu Abraham, PE.
3. Test Reports listed above by PRI Construction Materials Technologies, signed and sealed by Zachary R Priest, PE.
4. Supplemental Calculations to support DPBRWOB, signed and sealed by Scott Wolters, PE.

I have reviewed this submittal per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). Based on the limitations listed below and those provided in the documents above, this product meets all the requirements of the 7th Edition (2020) Florida Building Code generally, and chapter 15 specifically, for use outside of the HVHZ.

Limitations: **This panel is approved for use outside of the HVHZ.**

<u>Overall Limitations:</u>	Maximum Panel Width:	36" (Nominal)
	Minimum Rib Height:	1 1/8"
	Min. Slope:	1/2"/12"
	Max. Batten Spacing:	24" O.C.
	Min. Batten Size:	2x4 (Nominal) (SG=0.51 min)

	Option #1 Installation
Max. Design Pressure:	-161 psf
Panel Fasteners:	#10x1 1/2" HiLo HWH Screws
Fastener Spacing (Across Panel)	12" Max. O.C. Beside Each Rib
Fastener Spacing (Along Panel)	24" Max. O.C
Seam Fasteners and Sealant:	#10x3/4" HiLo HWH Screws 12" Max. O.C, with Butyl Tape
Fasteners at Panel Butt-Joints	#10x1 1/2" HiLo HWH Screws 4" Max. O.C, with Butyl Tape
	(Panels are lapped 2")

Minimum Substrate: 2x4 P.T. Wood Battens (SG=0.51 min), installed perpendicular to Panels and Spaced 24" Max O.C. Battens to be anchored with (2) #8x3" FH Wood Screws to Roof Joists (2x P.T. Wood min), Spaced 36" Max O.C.

Note: Fasteners penetrating into pressure treated wood shall be capable of preventing corrosion due to reaction with pressure treatment chemicals.

Other Limitations:

1. Roof slope must meet requirements of FBC Sections 1507.4.2.
2. Fire classification is not a part of this evaluation. Refer to a current Approved Roofing Materials Directory for fire ratings of this product.
3. Design of substrate is by others and is not a part of this evaluation.
4. All panel system perimeters, penetrations, and transitions to be flashed and sealed per the requirements of RAS 133.
5. Rational analysis, provided by a Florida licensed Architect/Engineer per FAS 61G20.3.005(e), may be used for project specific approval by the local authorities having jurisdiction.
6. Where required by the Florida Building Code, panels shall be permanently labeled with the manufacturer's name and/or logo, and the following statement, "Dynamic Metals FL #32041.3, DM PBR Series.

Panel Forming:

These panels may be jobsite roll formed with the following Dynamic Metals machines, per approval of 3rd party QA provider, to the dimensions shown on Drawing DPBROWB:

SSQ-6800617
SSQ-6690517
5VC-0490718

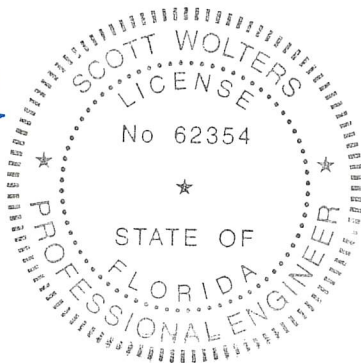
SSQ-5150216
SSQ-4560615
5VC-0360516

SSQ-6810617
SSQ2-U4031121
SSQ2-U4041121
SSQ2-U4051121

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

Thank you,


Scott Wolters
FL PE# 62354
OCT 18 2021



PERIMETER & CORNER INSTALLATION



1. PBR PANEL MAY BE INSTALLED DIRECTLY TO WOOD BATTENS, OR INSTALLED OVER EXISTING PBR PANELS TO BATTENS.
2. AND ANY DEBRIS MUST BE REMOVED FROM THE EXISTING ROOF. ANY CORROSION IN THE EXISTING ROOF MUST BE TREATED WITH A RUST INHIBITOR PER FBC 1521.8.
3. AT PANEL BUTT JOINTS, PANELS ARE OVERLAPPED 2", SEALED WITH BUTYL TAPE, AND FASTENED WITH #10x1 1/2" HI-LO HWW SCREWS 4" O.C.
4. ROOF SLOPE IS LIMITED PER THE REQUIREMENTS OF FBC SECTION 1507.4.2.
5. FLASHING AND TRIM TO BE INSTALLED PER THE MANUFACTURER'S STANDARD INSTALLATION DETAILS, TO MEET THE REQUIREMENTS OF FBC SECTION 1503.

SECTION A-A

