

# WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

15211 97<sup>th</sup> Road N  
West Palm Beach, FL 33412  
Ph/Fx: (561) 225-1982

## PRODUCT EVALUATION

(Florida Product Approval)

PRODUCT: **DM CLASS 2000 24 Ga. or 22 Ga. Galvalume 2" Mechanical Seam 12", 14", 16", (FLPA# 41725.7) or 18" Wide Roof Panel over 2x4 Wood Battens**

MANUFACTURER:



Dynamic Metals, LLC  
2951 SE Dominica Terrace  
Stuart, FL 34997

or

Dynamic Metals, LLC.  
2177 Andrea Lane  
Ft. Myers, FL 33912

To all concerned,

The DM Class 2000 2" Mechanical Seam Roof Panel, manufactured by Dynamic Metals LLC, is a non-structural 24 ga. (min) galvalume coated steel roof panel (50 ksi min) that meets the requirements of Section 1507.4 of the 8<sup>th</sup> Edition (2023) Florida Building Code. The panels have been tested per UL580, UL 1897, and FM 4471 Section 4.4 by Intertek B&C, with results shown in test report L5423.01-450-44 and K9508.04-450-18.

### Technical Documentation:

1. Drawing "2MSOWB" dated 2/29/24 (Rev. 1), 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 2MSOWB, 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 of the requirements of the 8<sup>th</sup> Edition (2023) 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.**

### Overall Limitations:

Min. Slope:

¼"/12"

Note:

Slopes less than 3"/12" require lap sealant per FBC 1507.4

Maximum Panel Width:

18"

Minimum Rib Height:

2"

Min. Batten Size:

2x4 (Nominal) (SG=0.51 min)

Max. Batten Spacing:

24" O.C.

	Option #1 Installation
Max. Design Pressure:	-138.5 psf
Min. Panel Fasteners:	#10x1" Pancake Head Screws (2) per Clip
Clip Anchor Spacing:	24" Max. O.C.
	Panels are Seamed to 90°

Minimum Substrate: 2x4 P.T. Wood Battens, installed perpendicular to panels over a solid deck and spaced 24" max. O.C. Battens to be fastened with (2) #8 x 3" FH Wood Screws to Roof Joists (2x P.T. Wood (min)), Spaced 24" max. O.C.

Note: Fasteners penetrating into pressure treated wood shall be capable of preventing corrosion due to reaction with pressure treating 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 labeled with the manufacturer's name and/or logo, and the following statement, "Dynamic Metals FLPA# 41725.7, DM Class 2000".

Panel Forming:

These panels may be jobsite roll formed with the following Dynamic Metals machines, per approval of 3<sup>rd</sup> party QA provider, to the dimensions shown on Drawing 2MSWOB

:

SSQ-6800617

SSQ-5150216

SSQ2U-4031121

SSQ-6690517

SSQ-4560615

SSQ2U-4041121

SSQ-6810617

SSP-10751007

SSQ2U-6470323

5VC-0490718

5VC-0360516


SSQ2U-6480323

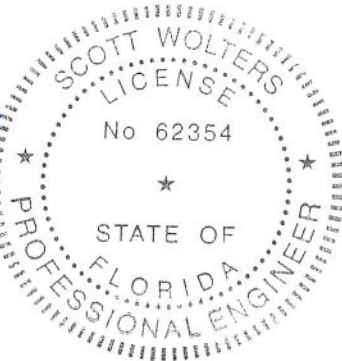
5VC-0700123

SSQ2U-4051121

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

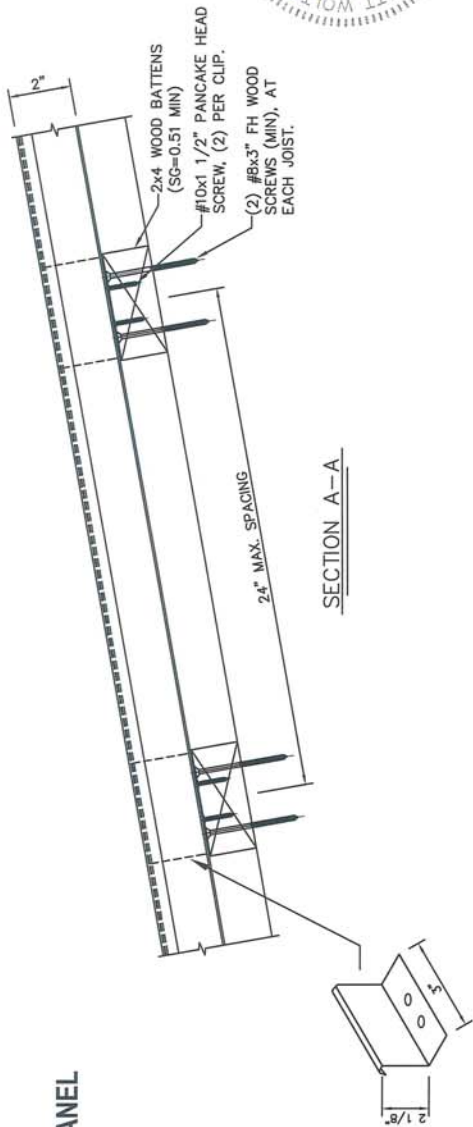
Thank you,

  
Scott Wolters  
FL PE# 62354  
FEB 29 2024

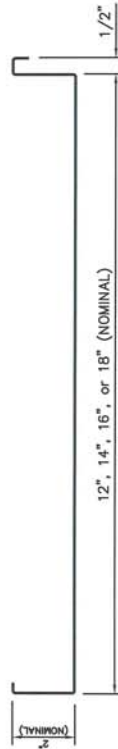
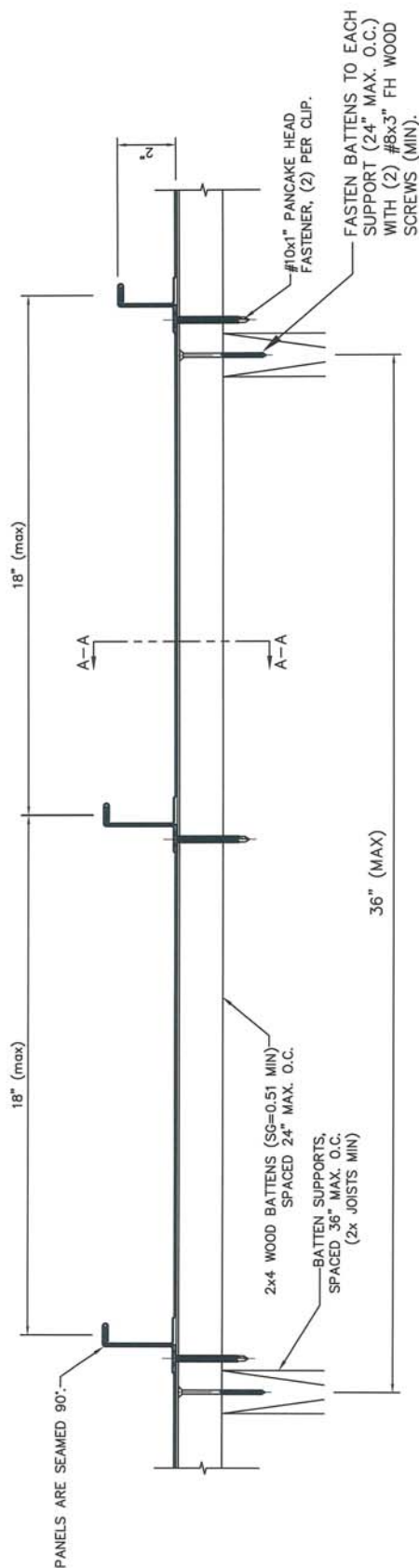


# **DYNAMIC CLASS 2000 24 Ga. or 22 Ga. GALVALUME 2" MECHANICAL SEAM x 12", 14", 16", or 18" WIDE ROOF PANEL OVER 2x4 WOOD BATTENS**

MAX DESIGN PRESSURE
-138.5 Psf



26 Ga. GALV.  
STEEL CLIP



## **GENERAL NOTES:**

1. ROOF SLOPE IS LIMITED PER THE REQUIREMENTS OF FBC SECTION 1507.4.2 or 1515.2.
2. DESIGN OF SUBSTRATE IS BY OTHERS AND NOT A PART OF THIS APPROVAL.
3. ALL PANEL SYSTEM PERIMETERS, PENETRATIONS, AND TRANSITIONS TO BE FLASHED AND SEALED PER THE REQUIREMENTS OF RAS 133.

## **PANEL PROFILE**



2951 SE DOMINICA TERRACE  
STUART, FL 34997  
2177 ANDREWS LANE  
FT. MYERS, FL 33912  
www.dynamicmetals.net

PH: (772) 247-2465  
PH: (772) 247-2466  
PH: (239) 265-1638  
EMAIL: info@dynamicmetals.net

SCOTT WOLTERS  
FL P.E.# 62354  
WOLTERS ENGINEERING  
15211 97TH ROAD N  
WEST PALM BEACH, FL 33412  
(561) 225-1982



DATE	REV.#	PRINTS ISSUED FOR
10/14/22	1	1ST SUBMITTAL
2/29/24	1	2023 CODE UPDATE

DWG: 2MSOWB  
SHEET: 1/1