

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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West Palm Beach, FL 33412
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PRODUCT EVALUATION

PRODUCT: **DM CLASS 100 SERIES 3/4" CORRUGATED 26 GA. GALVALUME
ROOF PANEL OVER 2x4 BATTENS (FLPA# 30751.2)**

MANUFACTURER: DYNAMIC METALS, LLC
340 PIKE ROAD
WEST PALM BEACH, FL 33411

To all concerned,

The DM Class 100 Series 3/4" Corrugated 26 Ga. Galvalume Roof Panel Over Wood Battens, manufactured by Dynamic Metals LLC, is a non-structural galvalume coated or 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 TAS 100 and UL 580 by Intertek with results shown in test reports K2132.01-450-18 and K2132.10-450-44, and 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 "100CSOB" dated 10/17/19, signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Architectural Testing, Inc. 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 "100CSOB" drawing, 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>	Max. Panel Width:	34 1/2" (Nominal)
	Max. Coverage Width :	29 1/2" (2 Ribs Over-lapping)
	Minimum Panel Height:	3/4"
	Min. Slope:	1/12 (With Lap Sealant) 3/12 (No Lap Sealant)
	Max. Spacing for Battens:	24" O.C.

	Field Installation	Perimeter & Corner Installation
Max. Design Pressure:	-131 psf	-228.5 psf
Fastener Spacing: (Across Panel)	6" O.C.	3" O.C.
Fastener Spacing: (Along Panel)	4" From Ends, 24" Max. O.C.	4" From Ends, 24" Max O.C.
Min Panel Fasteners:	#9x2" HWH Fasteners with Weather-Seal Washer	#9x2" HWH Fasteners with Weather-Seal Washer

Minimum Substrate: 2x4 P.T. Wood Battens, 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 24" 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. 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.
5. Where required by code, all panels shall be permanently labeled with the manufacturer's name and/or logo, and the following statement, "Dynamic Metals FL# 30751.2, DM Class 100".

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 100CSOB:

SSQ-6800617
SSQ-6690517
5VC-0490718

SSQ-5150216
SSQ-4560615
5VC-0360516

SSQ-6810617
SSQ2-2310920
SSQ2-2320920

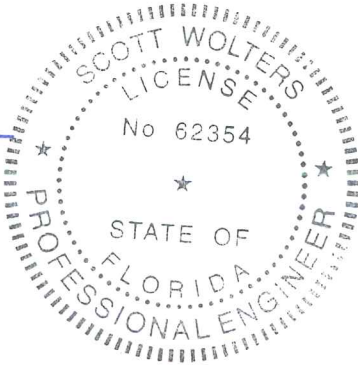
Re-Roofing:

The DM Class 100 Series 3/4" Corrugated 26 Ga. Galvalume Roof Panel Over 2x4 Batts may be installed over a single layer of existing asphalt shingles, provided the existing roof meets the requirements of Section 1511 of the Florida Building Code.

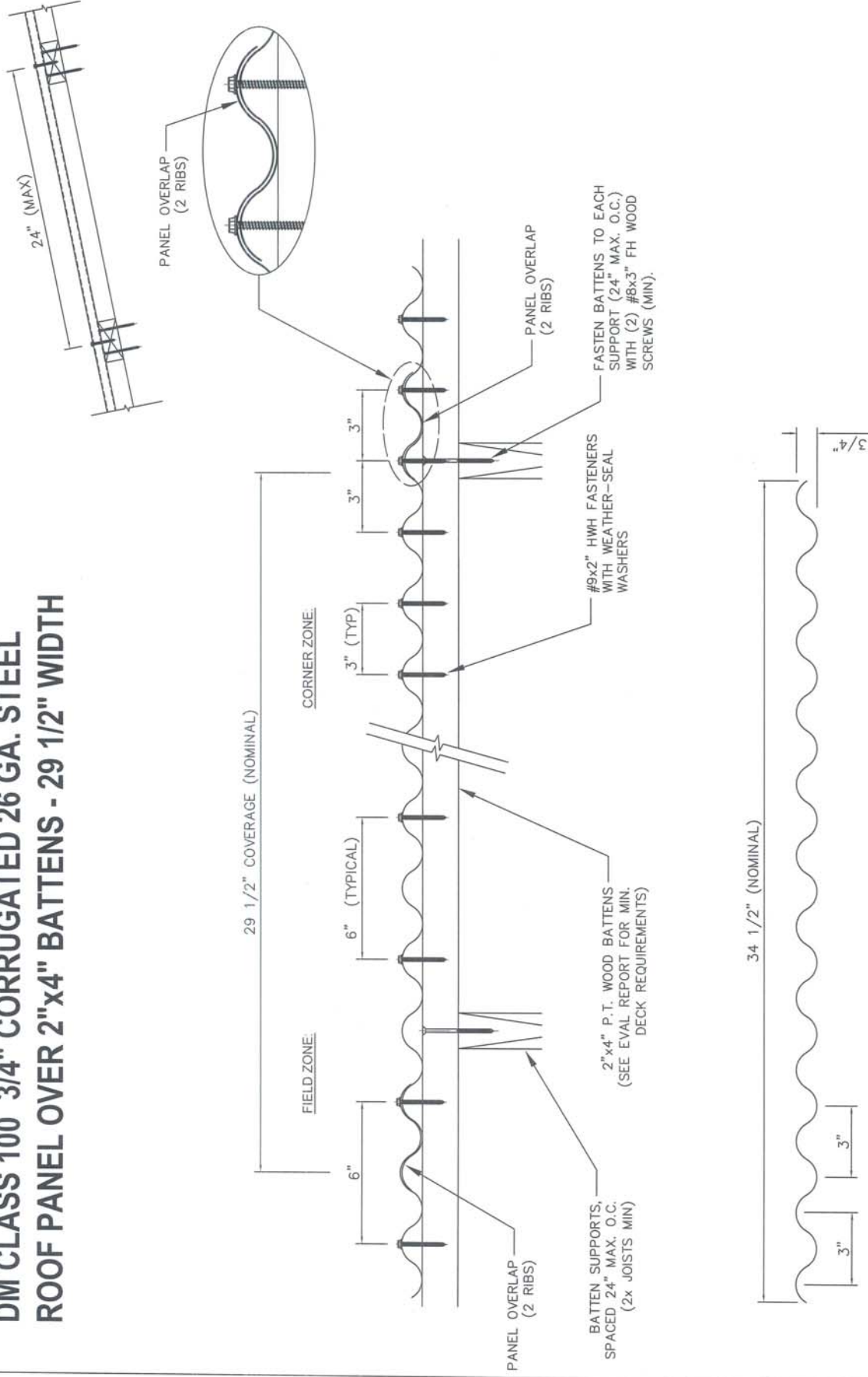
If you have any questions or need more information concerning this approval, please contact me.

Thank you,


Scott Wolters
FL PE# 62354
AUG 12 2020



DM CLASS 100 3/4" CORRUGATED 26 GA. STEEL ROOF PANEL OVER 2"x4" BATTENS - 29 1/2" WIDTH



PANEL PROFILE

REV.#	DATE	PRINTS ISSUED FOR
10/17/19		1ST SUBMITTAL

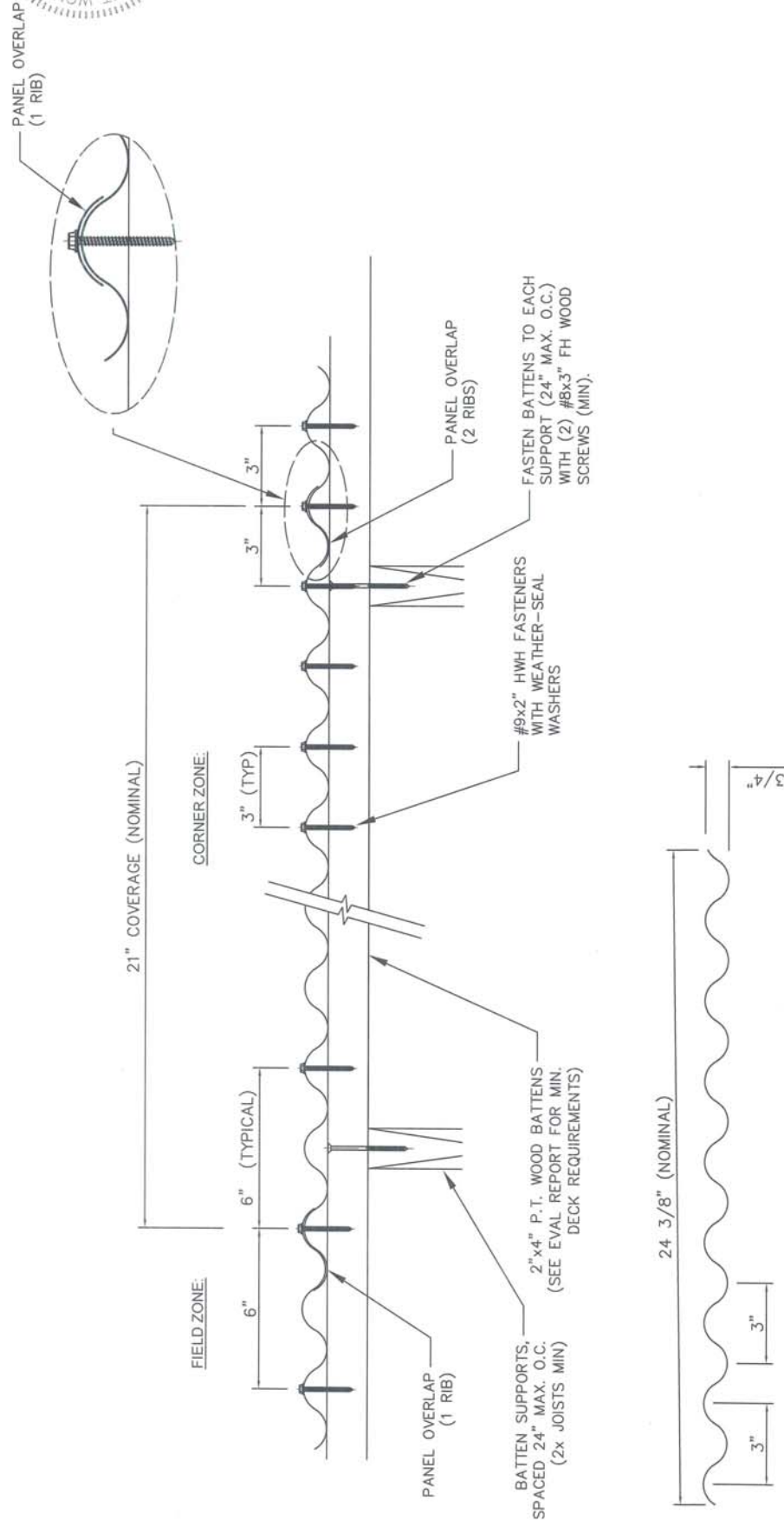


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 www.dynamicmetals.net



DWG: 100CS0B
 SHEET: 1/2

DM CLASS 100 3/4" CORRUGATED 26 GA. STEEL ROOF PANEL OVER 2"x4" BATTENS - 21" WIDTH



PANEL PROFILE

DATE	REV.#	PRINTS ISSUED FOR
10/17/19		1ST SUBMITTAL



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DWG: 100CSOB
SHEET: 2/2