

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: 26 GAUGE STEEL R-PANEL ROOF PANEL, 36" WIDE
OVER 2x6 WOOD BATTENS

MANUFACTURER: SOUTHERN METAL SUPPLY LLC
383B G and S ROAD
PRATTVILLE, AL 36067

To all concerned,

The 26 Ga. Steel R-Panel Roof Panel, manufactured by Southern Metal Supply LLC, is a 36" wide non-structural steel roof panel (80 ksi min) that meets the requirements of Section 1507.4 of the 8th Edition (2023) Florida Building Code. The panel has been tested per UL 580 (2006) by Intertek B&C, with results shown in test report Q8504.03-450-44.

Technical Documentation:

1. Drawing "SMS26RWB" dated 5/2/24, signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Intertek B&C signed and sealed by Tanya Dolby, PE.
3. Supplemental Calculations to support "SMS26RWB" 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 8th Edition (2023) Florida Building Code generally, and chapter 15 specifically, for use outside of the HVHZ.

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

<u>Overall Limitations:</u>	Minimum Slope:	3"/12"
	Maximum Panel Width:	36" (Nominal)
	Maximum Design Pressure:	-123.5 psf.
	Panel Fasteners:	#12x1 1/2" HWH Fasteners with Weather-Seal Washers
	Fastener Spacing-	
	Along Panels:	2" from ends and 24" max. O.C.
	Across Panels:	Each side of each rib (5"-7"-5")

Minimum Substrate: 2x6 Wood Battens (SG=0.55 min), spaced 24" max. O.C,
Fastened to 2x Wood Joists (min) spaced 24" max O.C.
with (2) #8x3" FH Wood Screws (min).

Other Limitations:

1. Roof slope must meet requirements of FBC Section 1507.4.2.
2. Flashing and trim to be installed per Manufacturer's standard Installation details, and per FBC Section 1503.
3. Fire classification is not a part of this evaluation. Refer to a current Approved Roofing Materials Directory for fire ratings of this product.
4. Shear diaphragm values are not a part of this evaluation.
5. Design of substrate is by others and is not a part of this evaluation.
6. All panel system perimeters, penetrations, and transitions to be flashed and sealed per the requirements of RAS 133.

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

Thank you,


Scott Wolters
FL PE# 62354
MAY 02 2024

