

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: 29 GAUGE STEEL RIB ROOF PANEL, 36" WIDE

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

To all concerned,

The 29 Ga. Steel Rib Roof Panel, manufactured by Southern Metal Supply LLC, is a 36" wide non-structural steel roof panel (50 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 L0101.01-450-18.

Technical Documentation:

1. Drawing "SMS-29" dated 10/15/23, signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Intertek B&C signed and sealed by Vinu Abraham, PE.
3. Supplemental Calculations to support "SMS-29" 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.

Overall Limitations:

Minimum Slope:	3"/12"
Maximum Panel Width:	36" (Nominal)
Maximum Uplift Pressure:	63.5 psf.
Panel Fasteners:	#10x1 1/2" Hi-Lo HWH Fasteners with Weather-Seal Washers (Corrosion resistant per FBC Section 1506.6)
Fastener Spacing-	
Along Panels:	2" from ends and 16" max. O.C.
Across Panels:	(2) 9" O.C. at ribs and (1) 36" O.C. at seams

Fire Barrier: Where required by code, install an approved fire barrier. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. (See note #2 below)

Underlayment: Minimum ASTM D 226 Type II, installed and anchored per FBC Section 1507.1.1.1 (min).
(or)

Any underlayment with a valid FLPA or Miami-Dade NOA

Minimum Substrate: ½ (15/32" min) 5-ply CDX Plywood, nailed to 2x rafters spaced 24" max. O.C. with 8d ring-shank nails spaced 6" O.C.

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 to 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.

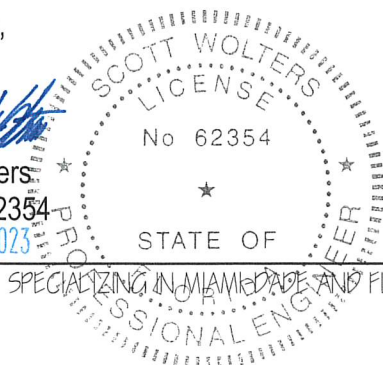
Re-Roofing: The 29 Gauge Steel Rib 36" Wide Roof Panel may be installed over a single layer of existing asphalt shingles, provided the existing roof meets all of the requirements of Section 1511 of the Florida Building Code.

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

Thank you,



Scott Wolters
FL PE# 62354
OCT 15 2023



SPECIALIZING IN MIAMI-DADE AND FLORIDA PRODUCT APPROVALS FOR ROOFING & GLAZING PRODUCTS