WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: SENTRIGARD SL175 SERIES 24 Ga. STEEL ROOF PANEL
17 1/2" WIDE x 1 3/4" SNAPLOCK, over 5/8" PLYWOOD. (HVHZ)

MANUFACTURER: SENTRIGARD METAL ROOFING SYSTEMS, LLC.
65 10TH STREET
LYNCHBURG, VA 24504

To all concerned,

The SL175 Series Snaplock Roof Panel, manufactured by Sentrigard Metal Roofing Systems LLC, is a non-structural 17 1/2" wide x 1 3/4" Snaplock Flouropon Coated 24 Ga. steel roof panel (56 ksi min) that meets the requirements of Sections 1507.4 and 1518.9 of the 8th Edition (2023) Florida Building Code. The panel has been tested per TAS 110 and TAS 125 by Intertek B&C, with results shown in test reports N6789.05-450-18-R2 and N6789.06-450-18-R1. It has also been tested per TAS 100 by Farabaugh Engineering and Testing with results shown in test report T233-21, and per ASTM G154 (2016) by Sherwin Williams test lab.

Technical Documentation:

1. Drawing "SL175S-HZ" dated 6/25/24 (Rev. 2), signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Intertek B&C. signed and sealed by Tyler Westerling, PE.
3. Test Report listed above by Farabaugh Engineer & Testing, signed & sealed by Daniel Farabaugh, PE
4. Supplemental Calculations to support SL175S-HZ, 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, including the High Velocity Hurricane Zone (HVHZ) provisions.

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

Overall Limitations:	Min. Slope:	2"/12"
	Max Panel Width:	17 1/2"
	Min Snaplock Height:	1 3/4"
	Min Fastener:	#10 x 1" Pancake Head Fastener, (2) per clip
	Min. Panel Clip:	1 3/4"x3 3/4" 18 Ga. Galv. Steel or Stainless Steel Clip (See Chart Below for Spacing)
	Max. Design Pressure:	See Chart Below

Anchor Clip Spacing: (along panel)	Max. Design Pressure
16" O.C. 6" O.C.	-134.75 psf -191 psf

Underlayment: Minimum ASTM D 226 Type II, installed and anchored per FBC Section 1507.1.1.1 (2) or (3) (min).

(or)

Any underlayment with a valid FLPA or Miami-Dade NOA

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)

Minimum Substrate: 5/8" (19/32" min) 4-ply CDX Plywood, nailed to 2x rafters spaced 24" max. o.c, with 8d ring-shank nails spaced 6" o.c. (min).

Other Limitations:

1. Roof slope must meet the requirements of FBC Section 1515.2.
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 manufacturer's installation instructions and RAS 133.

Re-Roofing: The Sentrigard SL175 Series 24 Ga. Steel Snaplock Roof Panel may be installed over a single layer of existing asphalt shingles, provided the existing roof meets the requirements of Section 1521 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
JUN 25 2024

SCOTT WOLTERS LICENSE No 62354 STATE OF FLORIDA PROFESSIONAL ENGINEER