

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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

PRODUCT EVALUATION

PRODUCT: 26 Ga (min) 5V STEEL ROOF PANEL (FLPA# 28402.1)

MANUFACTURER: OVERHOLT ENTERPRISES of FLORIDA, LLC
6192 SW HIGHWAY 72
ARCADIA, FL 34266

To all concerned,

The Overholt 26 Ga. (min) 5V Steel Roof Panel, manufactured by Overholt Metal Sales, is a non-structural steel roof panel (50 ksi min) that meets the requirements of Sections 1507.4.3 and 1518.9 of the 7th Edition (2020) Florida Building Code. The panel has been tested per UL 580 (2006) by Intertek, with results shown in test report I8426.01-450-44 R0.

Technical Documentation:

1. Drawing "OM5V" dated 10/15/18, signed and sealed by Scott Wolters, PE.
2. Test Reports listed above by Architectural Testing, Inc. signed and sealed by Vinu Abraham, PE.
3. Supplemental Calculations to support "OM5V" 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 roof panel is approved for use outside of the HVHZ.

<u>Overall Limitations:</u>	Maximum Panel Width:	24"
	Fastener spacing across panel:	12" O.C. (at overlaps & center rib)

Field Installation

Maximum Design Pressure:	93.5 psf.
Fastener Spacing:	2" from ends, 16" max. O.C.
Min. Panel Fastener:	#10x1 1/2" HiLo HWH screw with weather-seal washer (Corrosion resistant per FBC Section 1506.6)

Perimeter & Corner Installation

Maximum Design Pressure: 131 psf.
Fastener Spacing: 2" from ends, 6" max. O.C.
Min. Panel Fastener: #10x1 1/2" HiLo HWH screw
with weather-seal washer
(Corrosion resistant per
FBC Section 1506.6)


Underlayment: 1 layer of 30 lb. organic felt paper with 4" overlaps, anchored with .120"x1 1/4" galvanized roof nails with 32 Ga. Tin caps spaced 6" O.C. in rows at the perimeter, at overlaps, and two intermediate rows per sheet.
(or)
Any underlayment with a valid FLPA or Miami-Dade NOA

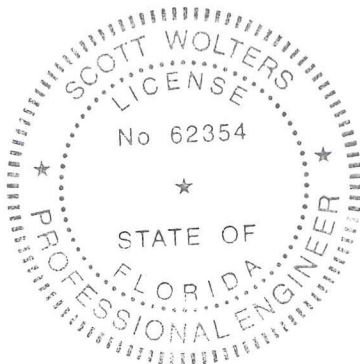
Minimum Substrate: 1/2" (15/32" min) 5-ply CDX Plywood, nailed to 2x rafters spaced 24" max. O.C. with 8d ring-shank nails spaced 4" O.C.

Other Limitations: Roof slope must meet requirements of FBC Section 1507.4.2.
Fire classification is not a part of this evaluation.
Shear diaphragm values are not a part of this evaluation.
Design of substrate is by others and is not a part of this evaluation.

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

Thank you,


Scott Wolters
FL PE# 62354
FEB 11 2021

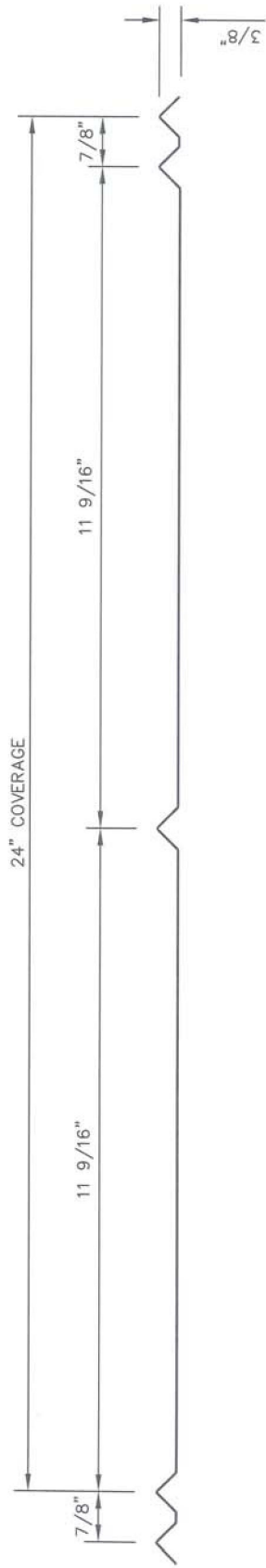
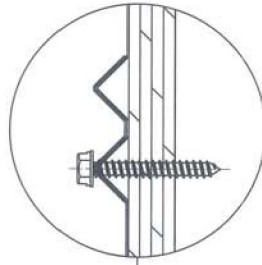


OVERHOLT 26 Ga. (min) 5V STEEL ROOF PANEL:

#10 x 1 1/2" HI-LO HWH FASTENERS WITH WEATHER-SEAL WASHERS (CORROSION RESISTANT PER FBC 1506.6)

1/2" (15/32" MIN) 5-PLY PLYWOOD SHEATHING (MIN)

FASTENER SPACING (in)	ALLOWABLE UPLIFT PRESSURE (psf)
16" O.C.	93.5
6" O.C.	131



REV.#	DATE	PRINTS ISSUED FOR
1	10/15/18	1ST SUBMITTAL



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DWG: OM5V
SHEET: 1/1