

Product Report

Manufacturer: Extreme Metal Fabricators, LLC.

**2160 SW Poma Drive
Palm City, FL 34990
(772)872-8034**

Florida Product Approval # 20378.10 "Nordman Tile" 0.032" Aluminum NON-HVHZ

**Compliant with Florida Building Code 2017 (6th ed.)
Compliant with Florida Product Approval Rule # 61G20-3
Compliant: Keystone Certifications**

**Product: Nordman Tile Roof Panel 24GA Steel, FBC Sec. 1507.4.2
Yield strength: 0.032" Aluminum: Attached to Wood Deck with screws.
41- 1/4" Nominal (Max.) Coverage
1-5/8" Rib Height
13-3/4" Nominal Tile Step**

Corrosion Resistant Compliant: FBC Sec. 1507.4.3

Fastener 1: #9 – 14 X 1-1/2" Hex Washer Head Screw with WSW to penetrate 3/16" thru 15/32" min. plywood deck (panel to deck)

Fastener 2: #9 – 14 X 2-1/2" Hex Washer Head Screw with WSW to penetrate 3/16" thru 15/32" min. plywood deck (Panel Overlap)

Underlayment: To be compliant with FBC Sec. 1507.1.1

Slope: Shall be in compliance with FBC Sec. 1507.

Install Details: Table A	Allowable Loads	METHOD 1	METHOD 2
DESIGN PRESSURE*		-92 PSF	-107 PSF
ROW SPACING (MAX.)		13-3/4"	13-3/4"
SIDE LAP SPACING (MAX.) (at every tile step)		13-3/4"	13-3/4"
FASTENER SPACING-ALONG ROWS		See Details 1A-1C Same Every Row	See Details 2A-2C Alternating Rows

**Reference Data: HURRICANE TEST LABORATORY, L.L.C. #TST ID: 1527
UL 580-06 & UL 1897-04¹ TAS 125-03 Test # 0197-1110-05 Test # 0197-0417-06**

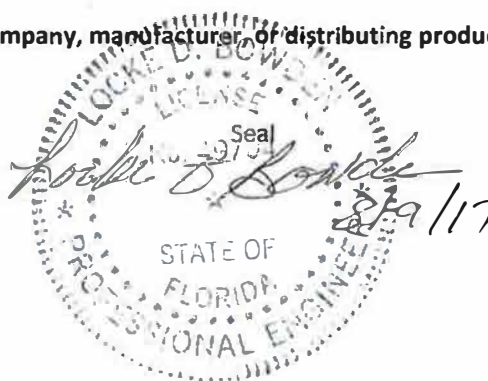
EQUIVALENCY: THE UL 1897-04 TEST STANDARD IS EQUIVALENT TO UL 1897-12

**DESIGN PRESSURE MARGIN OF SAFETY 2:1*

Certificate of Independence:

Locke Bowden, P.E. does not have, nor will acquire a financial interest in any company manufacturing or distributing products under this evaluation.

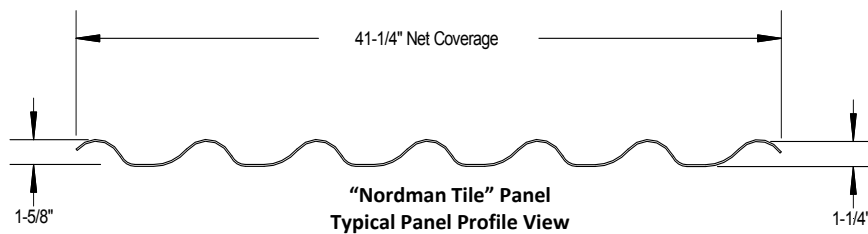
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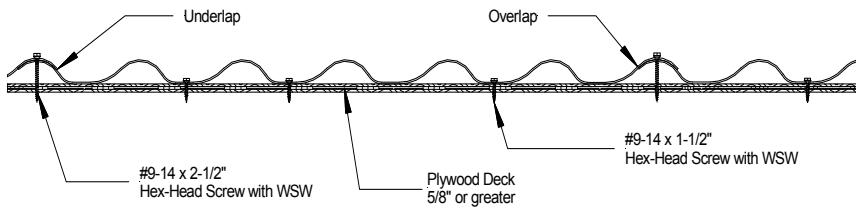
FL20378.10 Nordman Tile (0.032 Aluminum), 41.25" Wide Roof Panel - Details

Limitations:

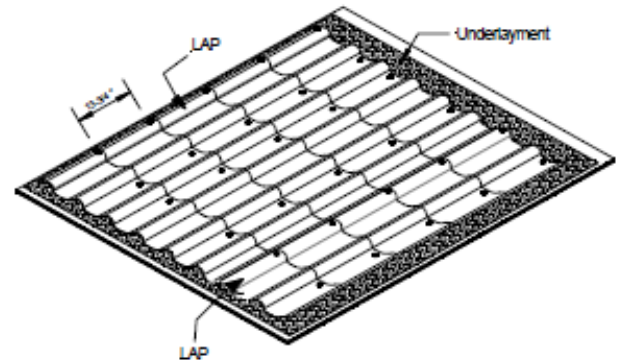
1. Underlayment to be compliance with current Florida Building Code (FBC)2017 6th ed..
2. Minimum slope to be compliant with Florida Building Code 2017 6th ed., and per with Manufacturer's installation reference.
3. Products are compliant for State of Florida product approval per Rule 61G20-3. Compliance Method: 1-D
4. Engineering analysis for "project specific approval by local authorities w/jurisdiction is allowed by other registered engineers.
5. Fire classification is not part of this acceptance. Shear diaphragm values are outside this report.
6. Support framing in compliance w/FBC 2017 6th ed., Chapter 22 for Steel, Chapter 23 for Wood and Chapter 16 for Structural Loading.
7. This report does not imply warranty, installation, recommended product use outside of this report.



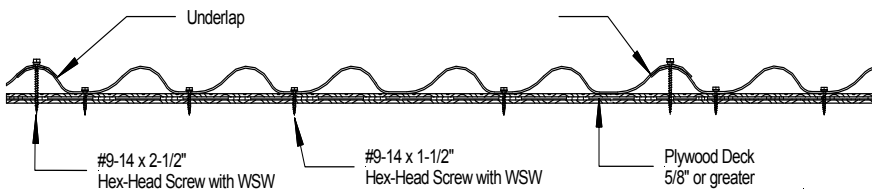
#1 A Profile View
(Typical Fastener Pattern Across Every Row)



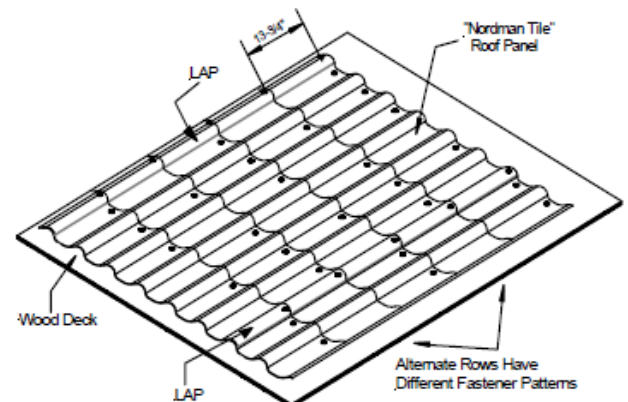
#1 B Isometric View



#2 A Profile View
(Typical Fastener Pattern Across Alternate ODD Rows)



#2 C Isometric View



#2 B Profile View
(Typical Fastener Pattern Across Alternate EVEN Rows)

