

WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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PRODUCT EVALUATION

PRODUCT: WALLABA HARDWOOD SHINGLES

MANUFACTURER: BASILICATO NORTH AMERICA
1001 S. MYRTLE AVE, SUITE 2
CLEARWATER, FL 33756

To all concerned,

The Wallaba Hardwood Shingles, manufactured by Basilicato North America, are cut from #1 Grade Wallaba (Guyana) and measure 18" long x 1/16" (tip) to 7/16" (butt) thick x 3" to 9" wide. These shingles meet all of the requirements of Sections 1507.8 and 1518.10 of the 7th Edition (2020) Florida Building Code, including the HVHZ provisions. The shingles have been tested per TAS 100, ASTM E108, and ASTM D3462 by Intertek B&C, with results shown in test reports M0287.01-450-18, M0287.02-121-24, and M0287.03-106-31.

Technical Documentation:

1. Drawing "BNA-W1-HZ" dated 12/19/24 (Rev. 1), 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 BNA-W1-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 HVHZ provisions.

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

<u>Overall Limitations:</u>	Shingle Length:	18" (min)
	Shingle Width:	3" (min) to 9" (max)
	Shingle Thickness:	1/16" min (tip) to 7/16" min (butt)
	Min. Fasteners:	5d x 1 1/2" 304 SS (316 SS in Coastal Areas) Ring-Shank Nails (2) per shingle
	Fastener Pull-Through Resistance:	401 lb (max)

Installation: This roof shingle shall be installed per the requirements of RAS130.

Max. Mean Roof Height: 33 ft.
Min. Roof Slope: 3 1/2":12"
Max. Uplift Pressure: -93.3 psf (Field)
-178 psf (Perimeter/Corner)

ROOF SLOPE	MAXIMUM EXPOSURE TO WEATHER
3 1/2":12" to 4":12"	4 1/4"
4":12"	5 1/2"

Fire Barrier: (where required by code) 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: Any underlayment meeting the requirements of FBC Sections 1518.2 thru 1518.4 (HVHZ) or Section 1507.1.1 (Outside HVHZ).
(or)
Any underlayment with a Florida Product Approval or Miami-Dade NOA

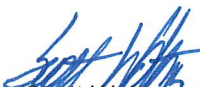
Minimum Substrate: 1/2' (15/32" min) 4-ply CDX Plywood, nailed to 2x rafters spaced 24" max. O.C. with 8d ring-shank nails spaced 4" O.C.
(or)
3/4" minimum solid wood plank (S.G.=0.42 min)

Other Limitations:

1. Flashing and trim to be installed per RAS 130 and FBC Section 1503.
2. Fire classification is not a part of this evaluation.
3. Shear diaphragm values are not a part of this evaluation.
4. 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



DEC 19 2024

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