

# WOLTERS ENGINEERING

ENGINEERING, DRAFTING, CONSULTING

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

## 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 7<sup>th</sup> 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 2/14/22, 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 7<sup>th</sup> Edition (2020) 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)

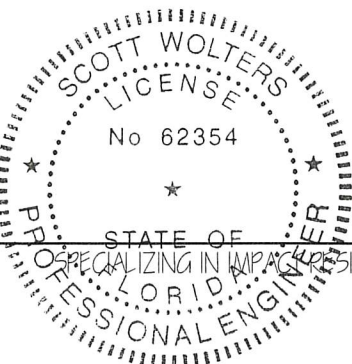
Other Limitations:

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



FEB 16 2022

SPECIALIZING IN IMPACT RESISTANT CURTAIN WALLS, STOREFRONTS, & WINDOWS