



EVALUATION REPORT

FLORIDA BUILDING CODE, 9TH EDITION (2026)

Manufacturer: ECOSTAR, LLC
42 Edgewood Drive
Holland, NY 14080
(800) 211-7170
www.ecostarllc.com

Issued August 17, 2026

Manufacturing Plants: Holland, NY

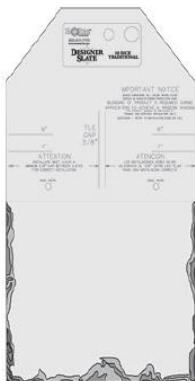
Quality Assurance: Keystone Certifications, Inc. (QUA1824)

SCOPE

Category: Roofing
Subcategory: Products Introduced as a Result of New Technology
Code Edition: Florida Building Code, 9th Edition (2026) Non-HVHZ
Code Sections: 1504.3, 1523.1.1, 1523.6.5
Properties: Wind Resistance

PRODUCT DESCRIPTION

Product: **Majestic Slate**
Description: Rubber and plastic-based Class C roof tile with the look of natural stone slate
Material: Formulated using recycled polyolefin polymers
Size: 6-, 9-, 10- and 12-inches wide, 18-inches long, 1/4-inch thick
Designs: 10" Traditional, 12" Traditional, Chisel Point, Beveled Edge, Beaver Tail and Random-Width Blend (6", 9" and 12")

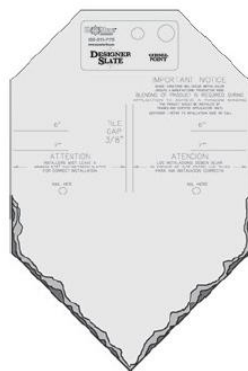


Majestic Slate
10" (254 mm) Traditional

10" x 18" long
(254 mm x 457 mm)

12" (305 mm) Traditional

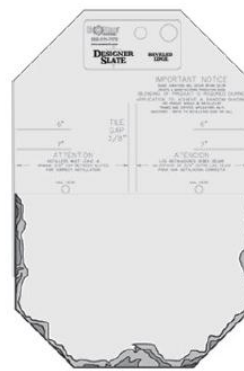
12" wide x 18" long
(305 mm x 457 mm)



Majestic Slate
Chisel Point

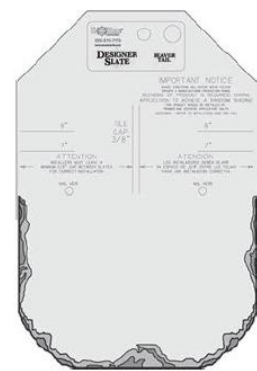
12" wide x 18" long
(305 mm x 457 mm)

6" (152 mm) exposure only



Majestic Slate
Beveled Edge

12" wide x 18" long
(305 mm x 457 mm)



Majestic Slate
Beaver Tail

12" wide x 18" long
(305 mm x 457 mm)

continued next page

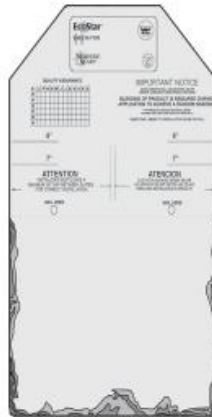


Random-Width Blend



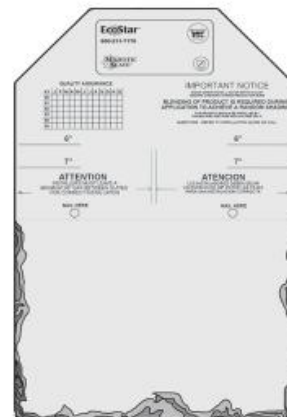
Majestic Slate
6" (152 mm) Traditional

6" wide x 18" long
(152 mm wide x 457 mm long)



Majestic Slate
9" (229 mm) Traditional

9" wide x 18" long
(229 mm wide x 457 mm long)



Majestic Slate
12" (305 mm) Traditional

12" wide x 18" long
(305 mm wide x 457 mm long)

Product:

Description:

Material:

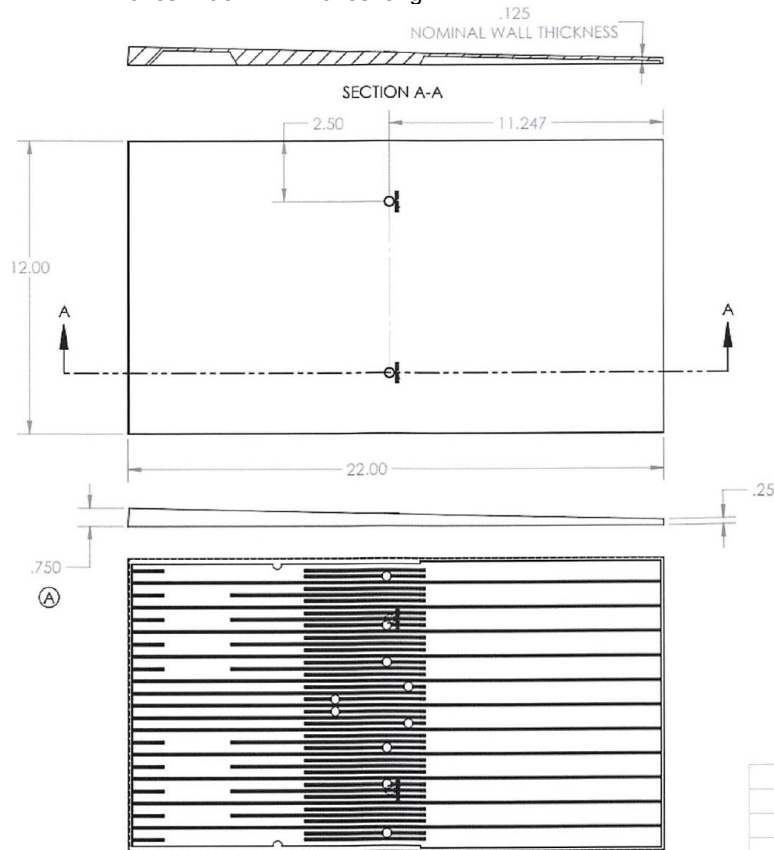
Size:

Majestic Niagara Concrete

Rubber and plastic-based Class C roof tile with the look of concrete tile

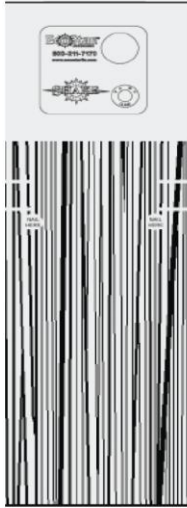
Formulated using recycled polyolefin polymers

12-inches wide x 22-inches long

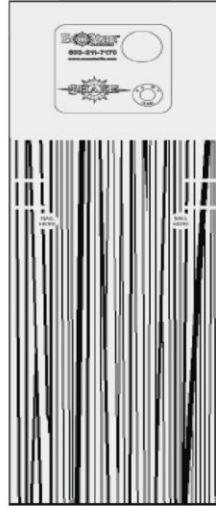




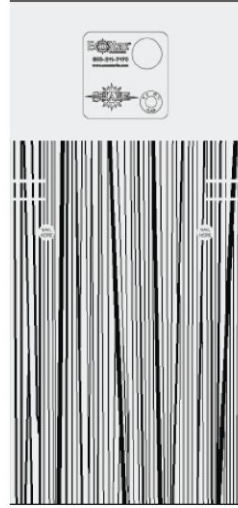
Product: **Majestic Niagara Shake**
Description: Rubber and plastic-based Class C roof tile with the look of natural cedar shake
Material: Formulated using recycled polyolefin polymers
Size: 7, 8, 9, and 10 -inches wide, 22-inches long, 0.725 to 0.190-inch tapered thickness



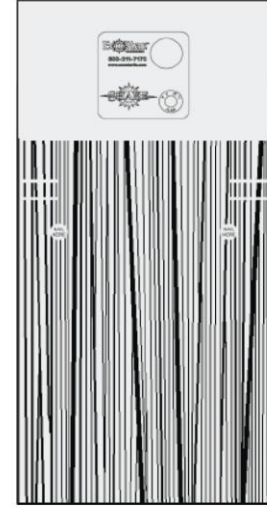
7" Niagara Shake
7" wide x 22" long x 3/4" nominal
(178 mm x 559 mm x 19 mm nominal)



8" Niagara Shake
8" wide x 22" long x 3/4" nominal
(203 mm x 559 mm x 19 mm nominal)

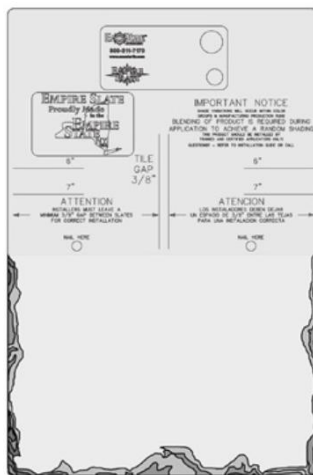


9" Niagara Shake
9" wide x 22" long x 3/4" nominal
(229 mm x 559 mm x 19 mm nominal)

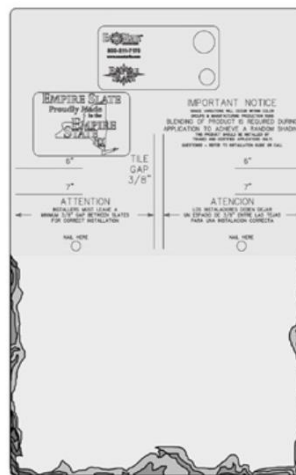


10" Niagara Shake
10" wide x 22" long x 3/4" nominal
(254 mm x 559 mm x 19 mm nominal)

Product: **Majestic Niagara Slate**
Description: Rubber and plastic-based Class C roof tile with the look of natural stone slate
Material: Formulated using recycled polyolefin polymers
Size: 10-, 12-, and 14 -inches wide, 22-inches long, 5/8-inch thick



14" Niagara Slate



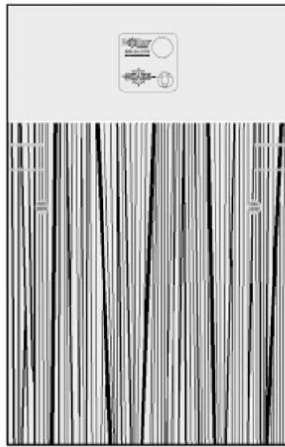
12" Niagara Slate



10" Niagara Slate

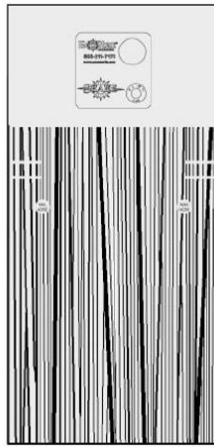


Product: Seneca Shake
Description: Rubber and plastic-based Class C roof tile with the look of natural cedar shake
Material: Formulated using recycled polyolefin polymers
Size: 6-, 9- and 12-inches wide, 19-inches long, 3/8-inch thick



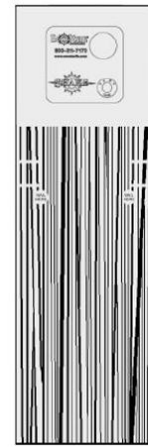
Seneca Shake

*12" wide x 19" long x 3/8" nominal
(305 mm x 483 mm x 10 mm nominal)*



Seneca Shake

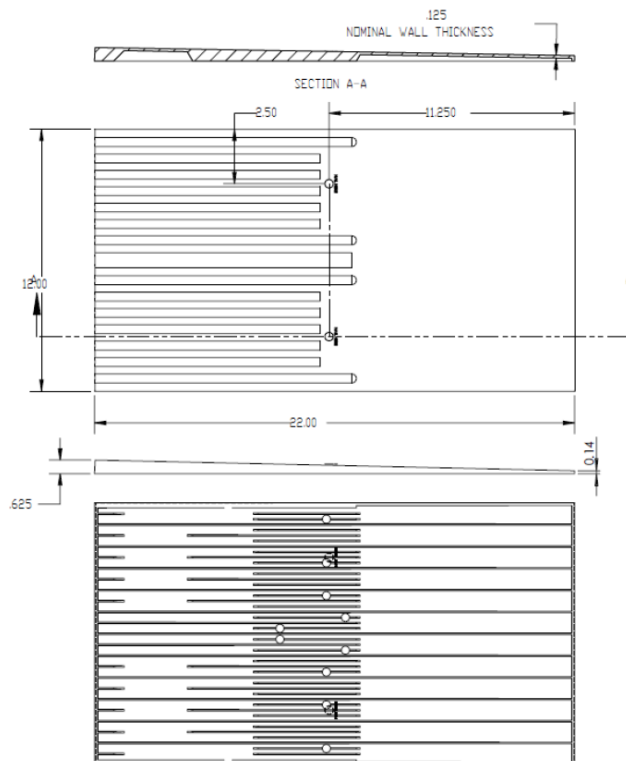
*9" wide x 19" long x 3/8" nominal
(229 mm x 483 mm x 10 mm nominal)*



Seneca Shake

*6" wide x 19" long x 3/8" nominal
(152 mm x 483 mm x 10 mm nominal)*

Product: Majestic Island Groove
Description: Rubber and plastic-based Class C roof tile with the look of clay tile
Material: Formulated using recycled polyolefin polymers
Size: 12-inches wide x 22-inches long





APPROVED ASSEMBLIES

Assembly No. 1: Majestic Slate over Min. 15/32 Plywood Deck (2 nails/tile)									
Roof Tile:	Majestic Slate shall be installed with a maximum 7-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with two (2) 0.120-inch x 1.5-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 15/32-inch, 32/16 span rated, 4-ply, CDX plywood sheathing for new and existing construction at max. 24-inch span								
Slope:	2:12 or greater								
Allowable Pressure:	-108.75 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	9Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	43 ft	26 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	31 ft	17 ft	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	52 ft	35 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	33 ft	18 ft	NA	NA
D	60 ft	60 ft	60 ft	52 ft	24 ft	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	43 ft	28 ft	19 ft	NA
C	60 ft	60 ft	58 ft	29 ft	15 ft	NA	NA	NA	NA
D	60 ft	56 ft	24 ft	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asf} = V_{ult}/\sqrt{0.6}$.									



Assembly No. 2: Majestic Slate over Min. 15/32 Plywood Deck (4 nails/tile)									
Roof Tile:	Majestic Slate shall be installed with a maximum 7-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with four (4) 0.120-inch x 1.5-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations, two (2) nails per location spaced 1-inch apart. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 15/32-inch, 32/16 span rated, 4-ply, CDX plywood sheathing for new and existing construction at max. 24-inch span								
Slope:	2:12 or greater								
Allowable Pressure:	-127.5 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	9Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	55 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	42 ft	23 ft
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	41 ft	24 ft	NA
D	60 ft	60 ft	60 ft	60 ft	60 ft	30 ft	16 ft	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	51 ft	34 ft	23 ft
C	60 ft	60 ft	60 ft	60 ft	34 ft	19 ft	NA	NA	NA
D	60 ft	60 ft	60 ft	27 ft	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}/0.6$.									



Assembly No. 3: Majestic Slate over Min. 19/32 Plywood Deck (2 nails/tile)									
Roof Tile:	Majestic Slate shall be installed with a maximum 7-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with two (2) 0.120-inch x 1.5-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 19/32-inch, 40/20 span rated, CDX plywood sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Slope:	2:12 or greater								
Allowable Pressure:	-101.25 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	52 ft	30 ft	18 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	40 ft	21 ft	NA	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	40 ft	27 ft
C	60 ft	60 ft	60 ft	60 ft	42 ft	23 ft	NA	NA	NA
D	60 ft	60 ft	60 ft	34 ft	16 ft	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	52 ft	33 ft	21 ft	NA	NA
C	60 ft	60 ft	41 ft	21 ft	NA	NA	NA	NA	NA
D	60 ft	37 ft	16 ft	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}\sqrt{0.6}$.									



Assembly No. 4: Majestic Slate over Min. 19/32 Plywood Deck (4 nails/tile)									
Roof Tile:	Majestic Slate shall be installed with a maximum 7-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with four (4) 0.120-inch x 1.5-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations, two (2) nails per location spaced 1-inch apart. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 19/32-inch, 40/20 span rated, CDX plywood sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Slope:	2:12 or greater								
Allowable Pressure:	-172.5 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	48 ft	27 ft
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	47 ft	28 ft	17 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	36 ft	19 ft	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}\sqrt{0.6}$.									



Assembly No. 5: Majestic Niagara Shake over Min. 15/32 Plywood Deck (2 nails/tile)									
Roof Tile:	Majestic Niagara Shake shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with two (2) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 15/32-inch, 32/16 span rated, 4-ply, CDX plywood sheathing for new and existing construction at max. 24-inch span								
Slope:	2:12 or greater								
Allowable Pressure:	-82.5 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	53 ft	36 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	33 ft	19 ft	NA	NA
D	60 ft	60 ft	60 ft	52 ft	25 ft	NA	NA	NA	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	43 ft	28 ft	18 ft	NA
C	60 ft	60 ft	57 ft	29 ft	15 ft	NA	NA	NA	NA
D	60 ft	55 ft	23 ft	NA	NA	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	39 ft	24 ft	15 ft	NA	NA	NA
C	60 ft	31 ft	15 ft	NA	NA	NA	NA	NA	NA
D	29 ft	NA	NA	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}/0.6$.									



Assembly No. 6: Majestic Niagara Shake over Min. 15/32 Plywood Deck (4 nails/tile)									
Roof Tile:	Majestic Niagara Shake shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with four (4) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations, two (2) nails per location spaced 1-inch apart. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 15/32-inch, 32/16 span rated, 4-ply, CDX plywood sheathing for new and existing construction at max. 24-inch span								
Slope:	2:12 or greater								
Allowable Pressure:	-135 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	59 ft	32 ft
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	54 ft	32 ft	19 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	42 ft	22 ft	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	42 ft	29 ft
C	60 ft	60 ft	60 ft	60 ft	45 ft	25 ft	NA	NA	NA
D	60 ft	60 ft	60 ft	37 ft	18 ft	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}/0.6$.									



Assembly No. 7: Majestic Niagara Shake over Min. 19/32 Plywood Deck (2 nails/tile)									
Roof Tile:	Majestic Niagara Shake shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with two (2) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 19/32-inch, 40/20 span rated, CDX plywood sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Slope:	2:12 or greater								
Allowable Pressure:	-97.5 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	43 ft	25 ft	15 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	32 ft	16 ft	NA	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	52 ft	35 ft	23 ft
C	60 ft	60 ft	60 ft	60 ft	35 ft	19 ft	NA	NA	NA
D	60 ft	60 ft	60 ft	27 ft	NA	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	45 ft	29 ft	18 ft	NA	NA
C	60 ft	60 ft	34 ft	17 ft	NA	NA	NA	NA	NA
D	60 ft	30 ft	NA	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}\sqrt{0.6}$.									



Assembly No. 8: Majestic Niagara Shake over Min. 19/32 Plywood Deck (4 nails/tile)									
Roof Tile:	Majestic Niagara Shake shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with four (4) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations, two (2) nails per location spaced 1-inch apart. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 19/32-inch, 40/20 span rated, CDX plywood sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Slope:	2:12 or greater								
Allowable Pressure:	-142.5 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	44 ft
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	41 ft	25 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	58 ft	30 ft	16 ft	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	52 ft	35 ft
C	60 ft	60 ft	60 ft	60 ft	59 ft	32 ft	18 ft	NA	NA
D	60 ft	60 ft	60 ft	51 ft	24 ft	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}\sqrt{0.6}$.									



Assembly No. 9: Majestic Niagara Shake over 7/16 OSB (2 nails/tile) –									
Roof Tile:	Majestic Niagara Shake shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with two (2) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements. .								
Deck:	Solid or closely fitted min. 7/16 OSB sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Slope:	2:12 or greater								
Allowable Pressure:	-45 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	54 ft	32 ft	19 ft	NA	NA	NA	NA
C	52 ft	23 ft	NA	NA	NA	NA	NA	NA	NA
D	21 ft	NA	NA	NA	NA	NA	NA	NA	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	33 ft	19 ft	NA	NA	NA	NA	NA	NA
C	NA	NA	NA	NA	NA	NA	NA	NA	NA
D	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	21 ft	NA	NA	NA	NA	NA	NA	NA	NA
C	NA	NA	NA	NA	NA	NA	NA	NA	NA
D	NA	NA	NA	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}/0.6$.									



Assembly No. 10: Majestic Niagara Shake over 7/16 OSB (4 nails/tile)									
Roof Tile:	Majestic Niagara Shake shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with four (4) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations, two (2) nails per location spaced 1-inch apart. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 7/16 OSB sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Slope:	2:12 or greater								
Allowable Pressure:	-75 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	55 ft	37 ft	25 ft
C	60 ft	60 ft	60 ft	60 ft	38 ft	21 ft	NA	NA	NA
D	60 ft	60 ft	60 ft	30 ft	NA	NA	NA	NA	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	47 ft	30 ft	19 ft	NA	NA
C	60 ft	60 ft	36 ft	18 ft	NA	NA	NA	NA	NA
D	60 ft	31 ft	NA	NA	NA	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	46 ft	27 ft	17 ft	NA	NA	NA	NA
C	43 ft	19 ft	NA	NA	NA	NA	NA	NA	NA
D	16 ft	NA	NA	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}/0.6$.									



Assembly No. 11: Majestic Niagara Slate or Majestic Niagara Concrete over Min. 15/32 Plywood Deck (2 nails/tile)									
Roof Tile:	Majestic Niagara Slate or Majestic Niagara Concrete shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with two (2) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements. In								
Deck:	Solid or closely fitted min. 15/32-inch, 32/16 span rated, 4-ply, plywood sheathing for new and existing construction at max. 24-inch span								
Slope:	2:12 or greater								
Allowable Pressure:	-71.25 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	46 ft	30 ft	20 ft
C	60 ft	60 ft	60 ft	55 ft	29 ft	16 ft	NA	NA	NA
D	60 ft	60 ft	50 ft	22 ft	NA	NA	NA	NA	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	39 ft	24 ft	16 ft	NA	NA
C	60 ft	57 ft	27 ft	NA	NA	NA	NA	NA	NA
D	59 ft	23 ft	NA	NA	NA	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	38 ft	22 ft	NA	NA	NA	NA	NA
C	33 ft	15 ft	NA	NA	NA	NA	NA	NA	NA
D	NA	NA	NA	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}/\sqrt{0.6}$.									



Assembly No. 12: Majestic Niagara Slate or Majestic Niagara Concrete over Min. 15/32 Plywood Deck (4 nails/tile)									
Roof Tile:	Majestic Niagara Slate or Majestic Niagara Concrete shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with four (4) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations, two (2) nails per location spaced 1-inch apart. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 15/32-inch, 32/16 span rated, 4-ply, plywood sheathing for new and existing construction at max. 24-inch span								
Slope:	2:12 or greater								
Allowable Pressure:	-142.5 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	44 ft
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	41 ft	25 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	58 ft	30 ft	16 ft	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	52 ft	35 ft
C	60 ft	60 ft	60 ft	60 ft	59 ft	32 ft	18 ft	NA	NA
D	60 ft	60 ft	60 ft	51 ft	24 ft	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}/\sqrt{0.6}$.									



Assembly No. 13: Majestic Niagara Slate or Majestic Niagara Concrete over Min. 19/32 Plywood Deck (2 nails/tile)									
Roof Tile:	Majestic Niagara Slate or Majestic Niagara Concrete shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with two (2) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 19/32-inch, 40/20 span rated, CDX plywood sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Slope:	2:12 or greater								
Allowable Pressure:	-101.25 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	52 ft	30 ft	18 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	40 ft	21 ft	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	40 ft	27 ft
C	60 ft	60 ft	60 ft	60 ft	42 ft	23 ft	NA	NA	NA
D	60 ft	60 ft	60 ft	34 ft	16 ft	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	52 ft	33 ft	21 ft	NA	NA
C	60 ft	60 ft	41 ft	21 ft	NA	NA	NA	NA	NA
D	60 ft	37 ft	16 ft	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}/0.6$.									



Assembly No. 14: Majestic Niagara Slate or Majestic Niagara Concrete over Min. 19/32 Plywood Deck (4 nails/tile)									
Roof Tile:	Majestic Niagara Slate or Majestic Niagara Concrete shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with four (4) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations, two (2) nails per location spaced 1-inch apart. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 19/32-inch, 40/20 span rated, CDX plywood sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Slope:	2:12 or greater								
Allowable Pressure:	-120 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	42 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	56 ft	30 ft	16 ft
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	51 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	53 ft	30 ft	18 ft	NA
D	60 ft	60 ft	60 ft	60 ft	43 ft	21 ft	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	41 ft	27 ft	18 ft
C	60 ft	60 ft	60 ft	48 ft	25 ft	NA	NA	NA	NA
D	60 ft	60 ft	42 ft	19 ft	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asf} = V_{ult}/0.6$.									



Assembly No. 15: Majestic Niagara Slate or Majestic Niagara Concrete over 7/16 OSB (2 nails/tile)									
Roof Tile:	Majestic Niagara Slate or Majestic Niagara Concrete shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with two (2) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements. .								
Deck:	Solid or closely fitted min. 7/16 OSB sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Slope:	2:12 or greater								
Allowable Pressure:	-45 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	9Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	54 ft	32 ft	19 ft	NA	NA	NA	NA
C	52 ft	23 ft	NA	NA	NA	NA	NA	NA	NA
D	21 ft	NA	NA	NA	NA	NA	NA	NA	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	33 ft	19 ft	NA	NA	NA	NA	NA	NA
C	NA	NA	NA	NA	NA	NA	NA	NA	NA
D	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	21 ft	NA	NA	NA	NA	NA	NA	NA	NA
C	NA	NA	NA	NA	NA	NA	NA	NA	NA
D	NA	NA	NA	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}/0.6$.									



Assembly No. 16: Majestic Niagara Slate or Majestic Niagara Concrete over 7/16 OSB (4 nails/tile)									
Roof Tile:	Majestic Niagara Slate or Majestic Niagara Concrete shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with four (4) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations, two (2) nails per location spaced 1-inch apart. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 7/16 OSB sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Slope:	2:12 or greater								
Allowable Pressure:	-90 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	9Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	50 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	51 ft	29 ft	17 ft	NA
D	60 ft	60 ft	60 ft	60 ft	41 ft	20 ft	NA	NA	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	59 ft	38 ft	25 ft	17 ft
C	60 ft	60 ft	60 ft	44 ft	23 ft	NA	NA	NA	NA
D	60 ft	60 ft	38 ft	17 ft	NA	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	55 ft	34 ft	21 ft	NA	NA	NA
C	60 ft	48 ft	23 ft	NA	NA	NA	NA	NA	NA
D	47 ft	19 ft	NA	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}/0.6$.									



Assembly No. 17: Seneca Shake over Min. 15/32 Plywood Deck (2 nails/tile)									
Roof Tile:	Seneca Shake shall be installed with a maximum 8-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with two (2) 0.120-inch x 1.5-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 15/32-inch, 32/16 span rated, 4-ply, plywood sheathing for new and existing construction at max. 24-inch span								
Slope:	2:12 or greater								
Allowable Pressure:	-82.5 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	53 ft	36 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	33 ft	19 ft	NA	NA
D	60 ft	60 ft	60 ft	52 ft	25 ft	NA	NA	NA	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	43 ft	28 ft	18 ft	NA
C	60 ft	60 ft	57 ft	29 ft	15 ft	NA	NA	NA	NA
D	60 ft	55 ft	23 ft	NA	NA	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	39 ft	24 ft	15 ft	NA	NA	NA
C	60 ft	31 ft	15 ft	NA	NA	NA	NA	NA	NA
D	29 ft	NA	NA	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}/0.6$.									



Assembly No. 18: Seneca Shake over Min. 15/32 Plywood Deck (4 nails/tile)									
Roof Tile:	Seneca Shake shall be installed with a maximum 8-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with four (4) 0.120-inch x 1.5-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations, two (2) nails per location spaced 1-inch apart. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 15/32-inch, 32/16 span rated, 4-ply, plywood sheathing for new and existing construction at max. 24-inch span								
Slope:	2:12 or greater								
Allowable Pressure:	-112.5 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	51 ft	31 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	38 ft	20 ft	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	59 ft	40 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	39 ft	22 ft	NA	NA
D	60 ft	60 ft	60 ft	60 ft	30 ft	15 ft	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	49 ft	32 ft	21 ft	15 ft
C	60 ft	60 ft	60 ft	35 ft	18 ft	NA	NA	NA	NA
D	60 ft	60 ft	29 ft	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}/0.6$.									



Assembly No. 19: Seneca Shake over Min. 19/32 Plywood Deck (2 nails/tile)									
Roof Tile:	Seneca Shake shall be installed with a maximum 8-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with two (2) 0.120-inch x 1.5-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 19/32-inch, 40/20 span rated, plywood sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Slope:	2:12 or greater								
Allowable Pressure:	-105 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	36 ft	22 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	50 ft	25 ft	NA	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	46 ft	31 ft
C	60 ft	60 ft	60 ft	60 ft	50 ft	27 ft	15 ft	NA	NA
D	60 ft	60 ft	60 ft	42 ft	20 ft	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	38 ft	25 ft	16 ft	NA
C	60 ft	60 ft	49 ft	25 ft	NA	NA	NA	NA	NA
D	60 ft	46 ft	19 ft	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}\sqrt{0.6}$.									



Assembly No. 20: Seneca Shake over Min. 19/32 Plywood Deck (4 nails/tile)									
Roof Tile:	Seneca Shake shall be installed with a maximum 8-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with four (4) 0.120-inch x 1.5-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations, two (2) nails per location spaced 1-inch apart. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 19/32-inch, 40/20 span rated, plywood sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Slope:	2:12 or greater								
Allowable Pressure:	-180 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	≤120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	34 ft
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	59 ft	34 ft	21 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	46 ft	24 ft	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}\sqrt{0.6}$.									



Assembly No. 21: Majestic Island Groove over Min. 15/32 Plywood Deck (2 nails/tile)									
Roof Tile:	Majestic Island Groove shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with two (2) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 15/32-inch, 32/16 span rated, 4-ply, plywood sheathing for new and existing construction at max. 24-inch span								
Slope:	2:12 or greater								
Allowable Pressure:	-58 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	51 ft	32 ft	21 ft	NA	NA
C	60 ft	60 ft	40 ft	20 ft	NA	NA	NA	NA	NA
D	60 ft	36 ft	15 ft	NA	NA	NA	NA	NA	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	49 ft	29 ft	18 ft	NA	NA	NA	NA
C	46 ft	21 ft	NA	NA	NA	NA	NA	NA	NA
D	18 ft	NA	NA	NA	NA	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	56 ft	31 ft	17 ft	NA	NA	NA	NA	NA	NA
C	NA	NA	NA	NA	NA	NA	NA	NA	NA
D	NA	NA	NA	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}/0.6$.									



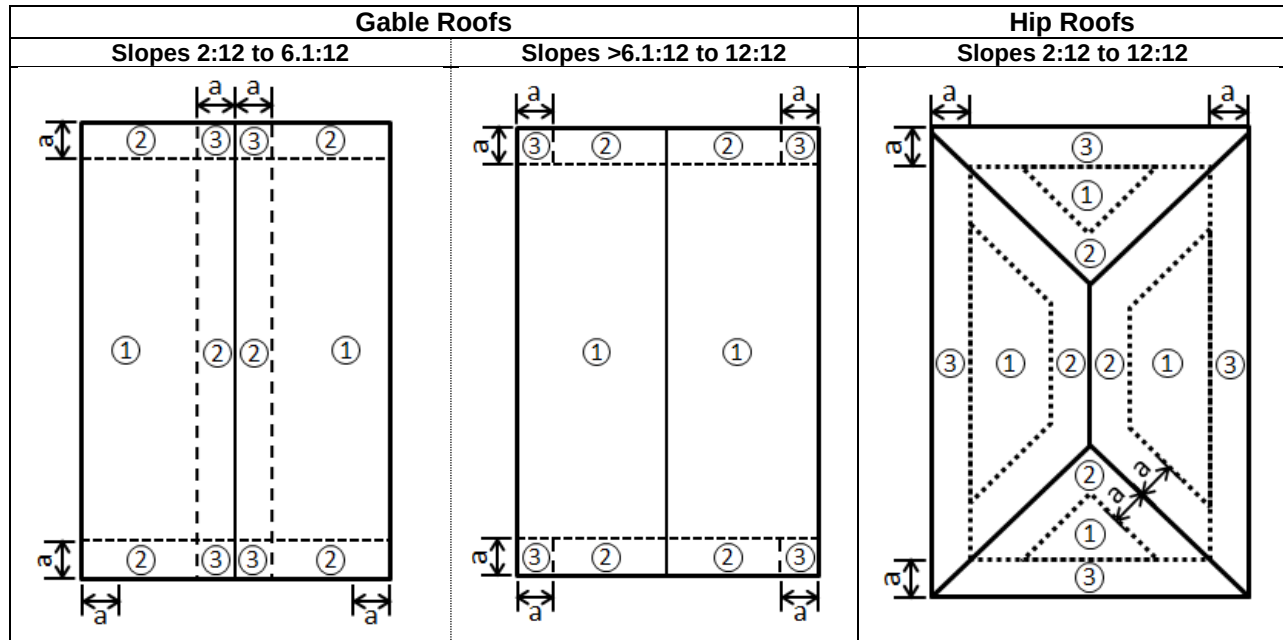
Assembly No. 22: Majestic Island Groove over Min. 15/32 Plywood Deck (4 nails/tile)									
Roof Tile:	Majestic Island Groove shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with four (4) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations, two (2) nails per location spaced 1-inch apart. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements.								
Deck:	Solid or closely fitted min. 15/32-inch, 32/16 span rated, 4-ply, plywood sheathing for new and existing construction at max. 24-inch span								
Slope:	2:12 or greater								
Allowable Pressure:	-101 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	51 ft	30 ft	18 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	40 ft	20 ft	NA	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	40 ft	27 ft
C	60 ft	60 ft	60 ft	60 ft	41 ft	23 ft	NA	NA	NA
D	60 ft	60 ft	60 ft	34 ft	16 ft	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	52 ft	33 ft	21 ft	NA	NA
C	60 ft	60 ft	40 ft	20 ft	NA	NA	NA	NA	NA
D	60 ft	37 ft	15 ft	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}/0.6$.									



Assembly No. 23: Majestic Island Groove over Min. 19/32 Plywood Deck (2 nails/tile)									
Roof Tile:	Majestic Island Groove shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with two (2) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements								
Deck:	Solid or closely fitted min. 19/32-inch, 40/20 span rated, CDX plywood sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Slope:	2:12 or greater								
Allowable Pressure:	-74.75 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	53 ft	35 ft	24 ft
C	60 ft	60 ft	60 ft	60 ft	36 ft	20 ft	NA	NA	NA
D	60 ft	60 ft	60 ft	28 ft	NA	NA	NA	NA	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	45 ft	29 ft	18 ft	NA	NA
C	60 ft	60 ft	34 ft	17 ft	NA	NA	NA	NA	NA
D	60 ft	30 ft	NA	NA	NA	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	44 ft	26 ft	16 ft	NA	NA	NA	NA
C	40 ft	18 ft	NA	NA	NA	NA	NA	NA	NA
D	15 ft	NA	NA	NA	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}\sqrt{0.6}$.									



Assembly No. 24: Majestic Island Groove over Min. 19/32 Plywood Deck (4 nails/tile)									
Roof Tile:	Majestic Island Groove shall be installed with a maximum 10-inch exposure in courses with 3/8-inch gap at side joint ensuring no keyway on keyway or “staircase” patterns; Side joints staggered between courses shall be offset by one-half a tile								
Fasteners:	Fasten with four (4) 0.120-inch x 1.75-inch stainless steel, ring shank roofing nails per shingle at the pre-marked locations, two (2) nails per location spaced 1-inch apart. The fastener length shall be sufficient to penetrate through the deck a minimum of 3/8-inch.								
Underlayment:	Installed in accordance with FBC requirements								
Deck:	Solid or closely fitted min. 19/32-inch, 40/20 span rated, CDX plywood sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Slope:	2:12 or greater								
Allowable Pressure:	-116 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>								
Maximum Mean Roof Heights Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 for Gable/Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	36 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	46 ft	24 ft	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	45 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	45 ft	26 ft	15 ft	NA
D	60 ft	60 ft	60 ft	60 ft	36 ft	17 ft	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	55 ft	36 ft	24 ft	16 ft
C	60 ft	60 ft	60 ft	41 ft	21 ft	NA	NA	NA	NA
D	60 ft	60 ft	35 ft	15 ft	NA	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on the exposed area of 10ft ² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = “Not Allowed” 6) $K_d = 0.85$ and $K_e = 1.0$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page 29 for details for dimensions and locales of Zone 1, 2, and 3 9) V_{ult} is shown in the above table. Design pressures are calculated using $V_{asd} = V_{ult}\sqrt{0.6}$.									



Dimension "a" shall be 10% of the least horizontal dimension or (0.4 x *Mean Roof Height*), whichever is smaller, but not less than either 4% of the least horizontal dimension or 3ft.

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
Intertek – York (ATI) (TST1558)	D0569.01-109-18	TAS 100 ¹	2023
PRI Construction Materials Technologies (TST5878)	ESTR-003-02-01	ASTM D 635 ¹	2018
		ASTM D 1929 ¹	2020
		ASTM D 2843 ¹	2019
PRI Construction Materials Technologies (TST5878)	ESTR-003-02-03	ASTM G 155 ¹	2021
PRI Construction Materials Technologies (TST5878)	1611T0001	UL 580	2006
		UL1897	2015
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1611T0002	UL 580	2006
		UL1897	2015
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1611T0003	UL 580	2006
		UL1897	2015
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1611T0004	UL 580	2006
		UL1897	2015
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1611T0005	UL 580	2006
		UL1897	2015
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1993T0006	UL 580	2006
		UL1897	2015
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1993T0007	TAS 100 ¹	2023
PRI Construction Materials Technologies (TST5878)	1993T0008	UL 580	2006
		UL1897	2015
PRI Construction Materials Technologies (TST5878)	1611T0015	UL1897	2015
PRI Construction Materials Technologies (TST5878)	1993T0019	UL 580	2006
		UL1897	2015
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1993T0017	TAS 100 ¹	2023
PRI Construction Materials Technologies (TST5878)	1993T0021	UL 580	2006
		UL1897	2015
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1993T0027	UL 580	2006
		UL1897	2015
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1993T0033	UL 580	2006
		UL1897	2015
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1993T0034	UL 580	2006
		UL1897	2015
		TAS125 ¹	2003

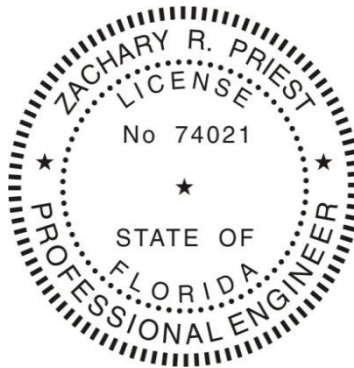
¹The submitted testing fulfills the requirements of TAS 110-2000

LIMITATIONS

1. This report is not for use in the HVHZ.
2. Fire classification is not within the scope of this evaluation.
3. The roof deck and the roof deck attachment information are provided based on testing. FBC requirements for the rational design of the roof deck, including the attachment, are not within the scope of this evaluation.
4. Installation of the evaluated products shall comply with this report and the manufacturer's published application instructions. See manufacturer's instructions for flashing and drip edge considerations. This report shall govern in the event of conflict with the manufacturer's installation instructions.
5. All nails shall comply with FBC Section 1506.5.
6. This product should not be installed over existing roofing.
7. FBC Section 1504.3.1.1 is not within the scope of this evaluation.
8. Materials shall conform to FBC Sections 1506 and 1711.
9. All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

COMPLIANCE STATEMENT

This report has been prepared in accordance with F.A.C. Rule 61G20-3.



This item has been
digitally signed and
sealed by Zachary R.
Priest, PE, on 8/17/2026.

Printed copies of this
document are not
considered signed and
sealed and the signature
must be verified on any
electronic copies.


Digitally signed by Zachary R. Priest

2026.08.17
15:37:21
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Zachary R. Priest, P.E.
Florida Registration No. 74021
Organization No. ANE9641

CERTIFICATION OF INDEPENDENCE

CREEK Technical Services, LLC does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

CREEK Technical Services, LLC is not owned, operated, or controlled by any company manufacturing or distributing products under this evaluation.

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

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

END OF REPORT