



EVALUATION REPORT

FLORIDA BUILDING CODE, 6TH EDITION (2017)

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

Issued October 16, 2019

Manufacturing Plants: Holland, NY

Quality Assurance: Keystone Certifications, Inc. (QUA1824)

SCOPE

Category: Roofing
Subcategory: Products Introduced as a Result of New Technology
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: 10- and 12-inches wide, 18-inches long, 1/4-inch thick
Designs: 10" Traditional, 12" Traditional, Chisel Point, Beveled Edge, Beaver Tail



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)*



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: 12- and 14 -inches wide, 22-inches long, 5/8-inch thick

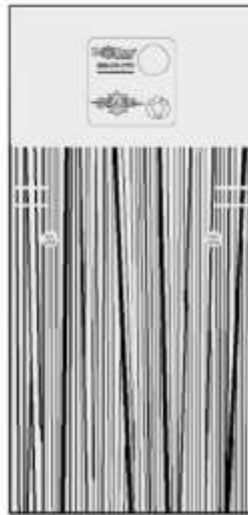


Niagara Slate - Traditional
14" wide x 22" long
(356 mm x 559 mm)
 or
12" wide x 22" long
(305 mm x 559 mm)

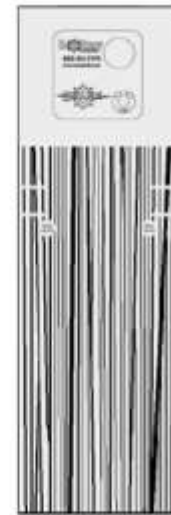
Product: **Seneca Shake**
Description: Rubber and plastic-based Class C roof tile with the look of natural cedar shake
Material: Formulated using recycled polyolefin polymers
Size: 6-, 9- and 12-inches wide, 19-inches long, 3/8-inch thick



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)

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. In the HVHZ, the minimum underlayment shall be ASTM D 226, Type II installed in accordance with Section 1518.2 or any approved underlayment for use in the HVHZ. In the HVHZ, Glacier Guard shall be applied at the eave, rake, and valley in accordance with manufacturer's application instructions.								
Deck:	Solid or closely fitted min. 15/32-inch plywood sheathing for new and existing construction at max. 24-inch span; In the HVHZ, deck shall be limited to existing construction only; Designed by others in accordance with FBC requirements.								
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 for Gable/Hip Roofs									
Slopes 2:12 – 12:12									
Exposure	Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 – Field									
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 – Perimeter									
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	53 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	41 ft	22 ft
Zone 3 ^A – Corner									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	54 ft	37 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	38 ft	22 ft	NA	NA
D	60 ft	60 ft	60 ft	60 ft	31 ft	15 ft	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the International 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) $K_d = 0.85$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page Error! Bookmark not defined. 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 $V_{asd} = V_{ult} \sqrt{0.6}$.									

^AFor hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2



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. In the HVHZ, the minimum underlayment shall be ASTM D 226, Type II installed in accordance with Section 1518.2 or any approved underlayment for use in the HVHZ. In the HVBZ, Glacier Guard shall be applied at the eave, rake, and valley in accordance with manufacturer's application instructions.
Deck:	Solid or closely fitted min. 15/32-inch plywood sheathing for new and existing construction at max. 24-inch span; In the HVHZ, deck shall be limited to existing construction only; Designed by others in accordance with FBC requirements.
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 for Gable/Hip Roofs									
Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 – Field									
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 – Perimeter									
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	56 ft
Zone 3^A – Corner									
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	48 ft	28 ft	17 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	38 ft	20 ft	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the International 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) $K_{z1} = 0.85$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page Error! Bookmark not defined. 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 $V_{asd} = V_{ult} \sqrt{0.6}$.									

^AFor hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2



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. In the HVHZ, the minimum underlayment shall be ASTM D 226, Type II installed in accordance with Section 1518.2 or any approved underlayment for use in the HVHZ. In the HVHZ, Glacier Guard shall be applied at the eave, rake, and valley in accordance with manufacturer's application instructions.
Deck:	Solid or closely fitted min. 19/32-inch 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 for Gable/Hip Roofs									
Slopes 2:12 – 12:12									
Exposure	Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 – Field									
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 – Perimeter									
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	37 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	50 ft	27 ft	15 ft
Zone 3^A – Corner									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	42 ft	NA
C	60 ft	60 ft	60 ft	60 ft	49 ft	27 ft	16 ft	NA	NA
D	60 ft	60 ft	60 ft	43 ft	20 ft	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the International 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) $K_d = 0.85$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page Error! Bookmark not defined. 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 $V_{asd} = V_{ult} \sqrt{0.6}$.									

^AFor hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2



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. In the HVHZ, the minimum underlayment shall be ASTM D 226, Type II installed in accordance with Section 1518.2 or any approved underlayment for use in the HVHZ. In the HVHZ, Glacier Guard shall be applied at the eave, rake, and valley in accordance with manufacturer's application instructions.
Deck:	Solid or closely fitted min. 19/32-inch 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 for Gable/Hip Roofs									
Slopes 2:12 – 12:12									
Exposure	Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 – Field									
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 – Perimeter									
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 3^A – Corner									
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
Notes: 1) Exposure category for the structure location shall be as defined in the International 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) $K_d = 0.85$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page Error! Bookmark not defined. 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 $V_{asd} = V_{ult} \sqrt{0.6}$.									

^AFor hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2

Assembly No. 5: Majestic Niagara Slate over Min. 15/32 Plywood Deck (2 nails/tile)	
Roof Tile:	Majestic Niagara Slate 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 the HVHZ, the minimum underlayment shall be ASTM D 226, Type II installed in accordance with Section 1518.2 or any approved underlayment for use in the HVHZ. In the HVHZ, Glacier Guard shall be applied at the eave, rake, and valley in accordance with manufacturer's application instructions.
Deck:	Solid or closely fitted min. 15/32-inch plywood sheathing for new and existing construction at max. 24-inch span; In the HVHZ, deck shall be limited to existing construction only; Designed by others in accordance with FBC requirements.
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 for Gable/Hip Roofs									
Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 – Field									
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	52 ft	29 ft
Zone 2 – Perimeter									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	48 ft	33 ft
C	60 ft	60 ft	60 ft	60 ft	59 ft	33 ft	19 ft	NA	NA
D	60 ft	60 ft	60 ft	54 ft	26 ft	NA	NA	NA	NA
Zone 3^A – Corner									
B	60 ft	60 ft	60 ft	60 ft	41 ft	NA	NA	NA	NA
C	60 ft	60 ft	32 ft	17 ft	NA	NA	NA	NA	NA
D	60 ft	29 ft	NA	NA	NA	NA	NA	NA	NA

Notes: 1) Exposure category for the structure location shall be as defined in the International Building Code 2) Limitations are based on the exposed area of 10ft² 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) $K_{z1} = 0.85$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page **Error! Bookmark not defined.** 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 $V_{asd} = V_{ult} \sqrt{0.6}$.

^AFor hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2



Assembly No. 6: Majestic Niagara Slate over Min. 15/32 Plywood Deck (4 nails/tile)	
Roof Tile:	Majestic Niagara Slate 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. In the HVHZ, the minimum underlayment shall be ASTM D 226, Type II installed in accordance with Section 1518.2 or any approved underlayment for use in the HVHZ. In the HVHZ, Glacier Guard shall be applied at the eave, rake, and valley in accordance with manufacturer's application instructions.
Deck:	Solid or closely fitted min. 15/32-inch plywood sheathing for new and existing construction at max. 24-inch span; In the HVHZ, deck shall be limited to existing construction only; 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 for Gable/Hip Roofs									
Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 – Field									
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 – Perimeter									
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 3^A – Corner									
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	48 ft	29 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	38 ft	20 ft	NA
Notes: 1) Exposure category for the structure location shall be as defined in the International 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) $K_{zj} = 0.85$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page Error! Bookmark not defined. 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 $V_{asd} = V_{ult} \sqrt{0.6}$.									

^AFor hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2



Assembly No. 7: Majestic Niagara Slate over Min. 19/32 Plywood Deck (2 nails/tile)	
Roof Tile:	Majestic Niagara Slate 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 the HVHZ, the minimum underlayment shall be ASTM D 226, Type II installed in accordance with Section 1518.2 or any approved underlayment for use in the HVHZ. In the HVHZ, Glacier Guard shall be applied at the eave, rake, and valley in accordance with manufacturer's application instructions.
Deck:	Solid or closely fitted min. 19/32-inch 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 for Gable/Hip Roofs									
Slopes 2:12 – 12:12									
Exposure	Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 – Field									
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 – Perimeter									
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	37 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	50 ft	27 ft	15 ft
Zone 3 ^A – Corner									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	42 ft	NA
C	60 ft	60 ft	60 ft	60 ft	49 ft	27 ft	16 ft	NA	NA
D	60 ft	60 ft	60 ft	43 ft	20 ft	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the International 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) $K_d = 0.85$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page Error! Bookmark not defined. 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 $V_{asd} = V_{ult} \sqrt{0.6}$.									

^AFor hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2



Assembly No. 8: Majestic Niagara Slate over Min. 19/32 Plywood Deck (4 nails/tile)	
Roof Tile:	Majestic Niagara Slate 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. In the HVHZ, the minimum underlayment shall be ASTM D 226, Type II installed in accordance with Section 1518.2 or any approved underlayment for use in the HVHZ. In the HVHZ, Glacier Guard shall be applied at the eave, rake, and valley in accordance with manufacturer's application instructions.
Deck:	Solid or closely fitted min. 19/32-inch 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 for Gable/Hip Roofs									
Slopes 2:12 – 12:12									
Exposure	Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 – Field									
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 – Perimeter									
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	40 ft
Zone 3^A – Corner									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	53 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	35 ft	21 ft	NA
D	60 ft	60 ft	60 ft	60 ft	55 ft	27 ft	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the International 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) $K_d = 0.85$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page Error! Bookmark not defined. 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 $V_{asd} = V_{ult} \sqrt{0.6}$.									

^AFor hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2



Assembly No. 9: Majestic Niagara Slate over 7/16 OSB (2 nails/tile) – non-HVHZ ONLY	
Roof Tile:	Majestic Niagara Slate 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 for Gable/Hip Roofs									
Slopes 2:12 – 12:12									
Exposure	Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 – Field									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	49 ft	34 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	34 ft	20 ft	NA	NA
D	60 ft	60 ft	60 ft	56 ft	27 ft	NA	NA	NA	NA
Zone 2 – Perimeter									
B	60 ft	60 ft	60 ft	51 ft	32 ft	NA	NA	NA	NA
C	60 ft	48 ft	23 ft	NA	NA	NA	NA	NA	NA
D	50 ft	20 ft	NA	NA	NA	NA	NA	NA	NA
Zone 3^A – Corner									
B	60 ft	35 ft	NA	NA	NA	NA	NA	NA	NA
C	16 ft	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 International Building Code 2) Limitations are based on the exposed area of 10ft² 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) $K_{cf} = 0.85$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page **Error! Bookmark not defined.** 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 $V_{asd} = V_{ult} \sqrt{0.6}$.

^AFor hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2

Assembly No. 10: Majestic Niagara Slate over 7/16 OSB (4 nails/tile)- non-HVHZ ONLY	
Roof Tile:	Majestic Niagara Slate 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 for Gable/Hip Roofs									
Slopes 2:12 – 12:12									
Exposure	Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 – Field									
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 – Perimeter									
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	40 ft
Zone 3 ^A – Corner									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	53 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	35 ft	21 ft	NA
D	60 ft	60 ft	60 ft	60 ft	55 ft	27 ft	NA	NA	NA

Notes: 1) Exposure category for the structure location shall be as defined in the International Building Code 2) Limitations are based on the exposed area of 10ft² 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) $K_{cf} = 0.85$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page **Error! Bookmark not defined.** 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 $V_{asd} = V_{ult} \sqrt{0.6}$.

^AFor hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2

Assembly No. 11: 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. In the HVHZ, the minimum underlayment shall be ASTM D 226, Type II installed in accordance with Section 1518.2 or any approved underlayment for use in the HVHZ. In the HVHZ, Glacier Guard shall be applied at the eave, rake, and valley in accordance with manufacturer's application instructions.
Deck:	Solid or closely fitted min. 15/32-inch plywood sheathing for new and existing construction at max. 24-inch span; In the HVHZ, deck shall be limited to existing construction only; Designed by others in accordance with FBC requirements.
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 for Gable/Hip Roofs Slopes 2:12 – 12:12									
Exposure	Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 – Field									
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 – Perimeter									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	56 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	38 ft	23 ft	NA
D	60 ft	60 ft	60 ft	60 ft	60 ft	30 ft	15 ft	NA	NA
Zone 3 ^A – Corner									
B	60 ft	60 ft	60 ft	60 ft	60 ft	45 ft	30 ft	NA	NA
C	60 ft	60 ft	60 ft	34 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 International 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) $K_{z1} = 0.85$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page Error! Bookmark not defined. 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 $V_{asd} = V_{ult} \sqrt{0.6}$.									

^AFor hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2



Assembly No. 12: 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. In the HVHZ, the minimum underlayment shall be ASTM D 226, Type II installed in accordance with Section 1518.2 or any approved underlayment for use in the HVHZ. In the HVHZ, Glacier Guard shall be applied at the eave, rake, and valley in accordance with manufacturer's application instructions.
Deck:	Solid or closely fitted min. 15/32-inch plywood sheathing for new and existing construction at max. 24-inch span; In the HVHZ, deck shall be limited to existing construction only; Designed by others in accordance with FBC requirements.
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 for Gable/Hip Roofs									
Slopes 2:12 – 12:12									
Exposure	⁹ Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 – Field									
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 – Perimeter									
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	49 ft	27 ft
Zone 3^A – Corner									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	42 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	38 ft	18 ft	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the International 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) $K_{z1} = 0.85$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page Error! Bookmark not defined. 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 $V_{asd} = V_{ult} \sqrt{0.6}$.									

^AFor hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2

Assembly No. 13: 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. In the HVHZ, the minimum underlayment shall be ASTM D 226, Type II installed in accordance with Section 1518.2 or any approved underlayment for use in the HVHZ. In the HVHZ, Glacier Guard shall be applied at the eave, rake, and valley in accordance with manufacturer's application instructions.
Deck:	Solid or closely fitted min. 19/32-inch 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 for Gable/Hip Roofs									
Slopes 2:12 – 12:12									
Exposure	Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 – Field									
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 – Perimeter									
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	44 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	33 ft	18 ft
Zone 3 ^A – Corner									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	48 ft	33 ft
C	60 ft	60 ft	60 ft	60 ft	58 ft	32 ft	19 ft	NA	NA
D	60 ft	60 ft	60 ft	53 ft	25 ft	NA	NA	NA	NA
Notes: 1) Exposure category for the structure location shall be as defined in the International 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) $K_d = 0.85$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page Error! Bookmark not defined. 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 $V_{asd} = V_{ult} \sqrt{0.6}$.									

^AFor hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2



Assembly No. 14: 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. In the HVHZ, the minimum underlayment shall be ASTM D 226, Type II installed in accordance with Section 1518.2 or any approved underlayment for use in the HVHZ. In the HVHZ, Glacier Guard shall be applied at the eave, rake, and valley in accordance with manufacturer's application instructions.
Deck:	Solid or closely fitted min. 19/32-inch 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 for Gable/Hip Roofs									
Slopes 2:12 – 12:12									
Exposure	Basic Wind Speed (mph)								
	120	130	140	150	160	170	180	190	200
Zone 1 – Field									
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 – Perimeter									
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 3 ^A – Corner									
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	43 ft

Notes: 1) Exposure category for the structure location shall be as defined in the International Building Code 2) Limitations are based on the exposed area of 10ft² 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) $K_d = 0.85$ 7) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 8) See page **Error! Bookmark not defined.** 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 $V_{asd} = V_{ult} \sqrt{0.6}$.

^AFor hip roofs 2:12 to 5.6:12, Zone 3 shall be treated as Zone 2



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	1995
PRI Construction Materials Technologies (TST5878)	ESTR-003-02-01	ASTM D 635 ¹	2010
		ASTM D 1929 ¹	2012
		ASTM D 2843 ¹	2010
PRI Construction Materials Technologies (TST5878)	ESTR-003-02-03	ASTM G 155 ¹	2005a
PRI Construction Materials Technologies (TST5878)	1611T0001	UL 580	2006
		UL1897	2012
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1611T0002	UL 580	2006
		UL1897	2012
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1611T0003	UL 580	2006
		UL1897	2012
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1611T0004	UL 580	2006
		UL1897	2012
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1611T0005	UL 580	2006
		UL1897	2012
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1993T0006	UL 580	2006
		UL1897	2012
		TAS125 ¹	2003
PRI Construction Materials Technologies (TST5878)	1993T0007	TAS 100 ¹	1995
PRI Construction Materials Technologies (TST5878)	1993T0008	UL 580	2006
		UL1897	2012

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

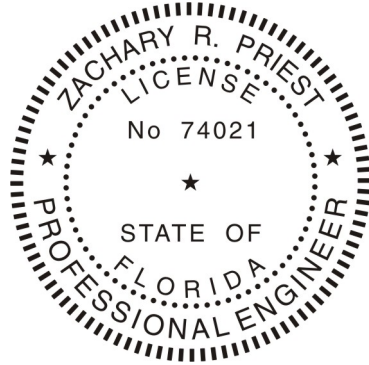
LIMITATIONS

1. Fire classification is not within the scope of this evaluation.
2. The roof deck and the roof deck attachment shall be designed by others to meet the minimum design loads established for components and cladding and in accordance with FBC requirements.
3. 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.
4. This product should not be installed over existing roofing.
5. All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.



COMPLIANCE STATEMENT

The products evaluated herein by Zachary R. Priest, P.E. have demonstrated compliance with the Florida Building Code, 6th Edition (2017) as evidenced in the referenced documents submitted by the named manufacturer.



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