



EVALUATION REPORT

FLORIDA BUILDING CODE, 9TH EDITION (2026)

Manufacturer: BLACHOTRAPEZ SP. Z O.O.
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34-700 Rabka-Zdroj, Poland
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Issued August 17, 2026

Manufacturing: Rabka-Zdroj, Poland
Bochnia, Poland

Quality Assurance: PRI Construction Materials Technologies, LLC (QUA9110)

SCOPE

Category: Roofing
Subcategory: Metal Roofing
Code Edition: Florida Building Code, 9th Edition (2026) including High-Velocity Hurricane Zones (HVHZ)
Code Sections: 1504.3.1, 1504.3.2, 1518.9, 1523.6.5.2.4,
Properties: Wind Resistance, Physical Properties

REFERENCES

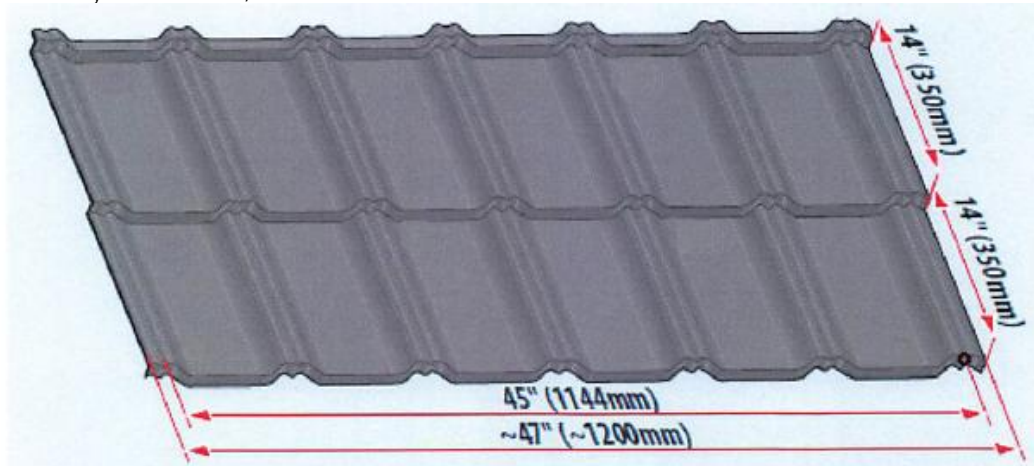
<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
PRI Construction Materials Technologies (TST5878)	2307T0001	UL 580	2006
		UL1897	2015
		TAS 125	2003
PRI Construction Materials Technologies (TST5878)	2307T0002	TAS 100	2023
PRI Construction Materials Technologies (TST5878)	2307T0003	ASTM B 117	2016
PRI Construction Materials Technologies (TST5878)	2307T0004	ASTM G 155	2021
PRI Construction Materials Technologies (TST5878)	2307T0006.1	UL 580	2006
		UL1897	2015
		TAS 125	2003
PRI Construction Materials Technologies (TST5878)	2307T0007.1	UL 580	2006
		UL1897	2015
		TAS 125	2003
PRI Construction Materials Technologies (TST5878)	2307T0011.1	UL 580	2006
		UL1897	2015
		TAS 125	2003
PRI Construction Materials Technologies (TST5878)	2307T0012	TAS 100	2023
PRI Construction Materials Technologies (TST5878)	2307T0023	ASTM B 117	2016
PRI Construction Materials Technologies (TST5878)	2307T0024	ASTM G 155	2021
PRI Construction Materials Technologies (TST5878)	2307T0030	UL 580	2006
		UL1897	2015
		TAS 125	2003
PRI Construction Materials Technologies (TST5878)	2307T0032	TAS 100	2023



PRODUCT DESCRIPTION

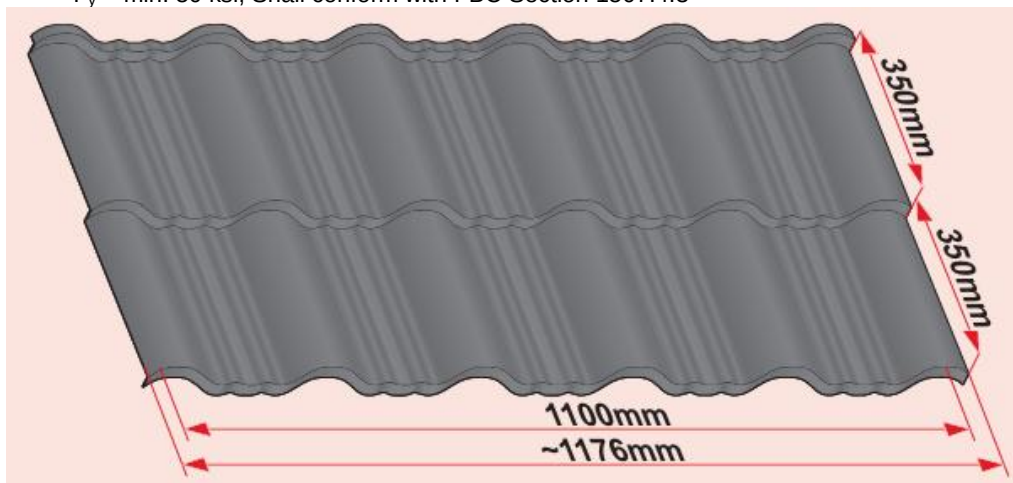
Tremblant or German Simetric

Profile: Max. 28-inch x 45-inch coverage
Description: Non-structural, preformed, through fastened panels
Material: Min. 26 ga. A755 steel; Pladur® Wrinkle Mat or Pladur® Wrinkle Mat Plus coated;
 F_y = min. 48 ksi; Shall conform with FBC Section 1507.4.3



Enigma

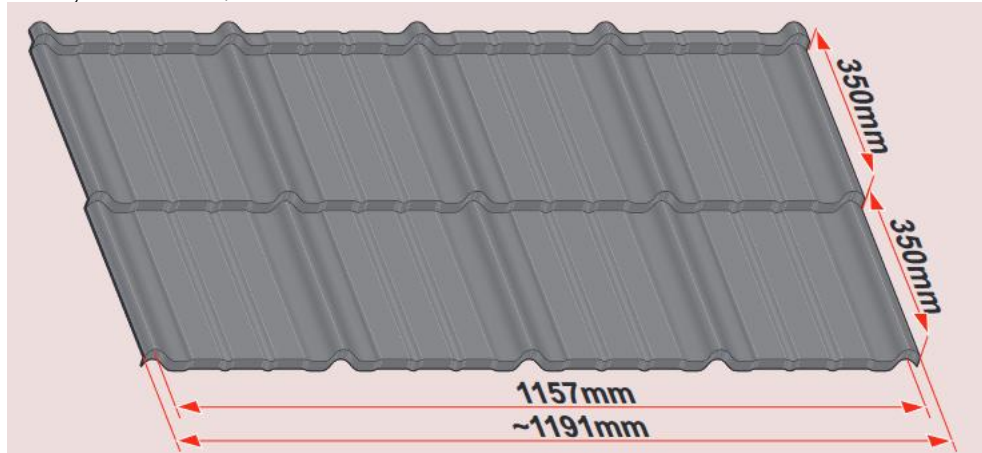
Profile: Max. 29.5-inch x 46.5-inch coverage
Description: Non-structural, preformed, through fastened panels
Material: Min. 26 ga. A755 steel; Pladur® Wrinkle Mat or Pladur® Wrinkle Mat Plus coated;
 F_y = min. 50 ksi; Shall conform with FBC Section 1507.4.3



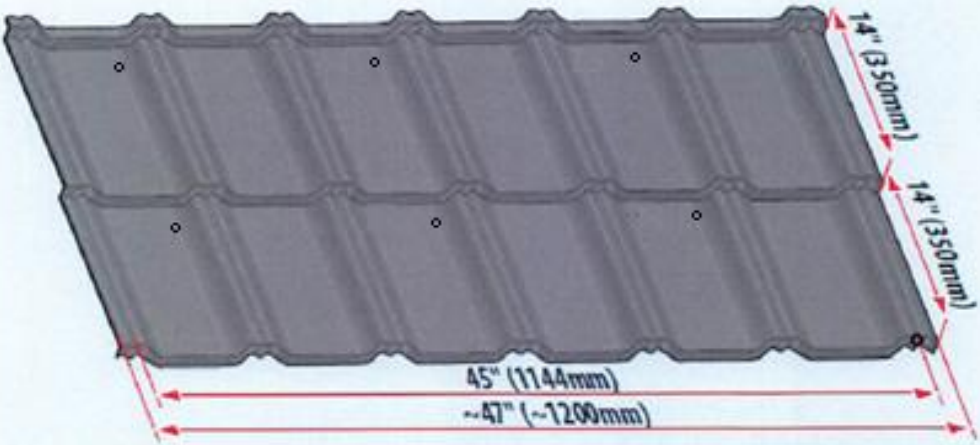


Estima

Profile: Max. 27 1/2-inch x 45 1/2-inch coverage
Description: Non-structural, preformed, through fastened panels
Material: Min. 26 ga. A755 steel; Pladur® Wrinkle Mat or Pladur® Wrinkle Mat Plus coated;
F_y = min. 50 ksi; Shall conform with FBC Section 1507.4.3

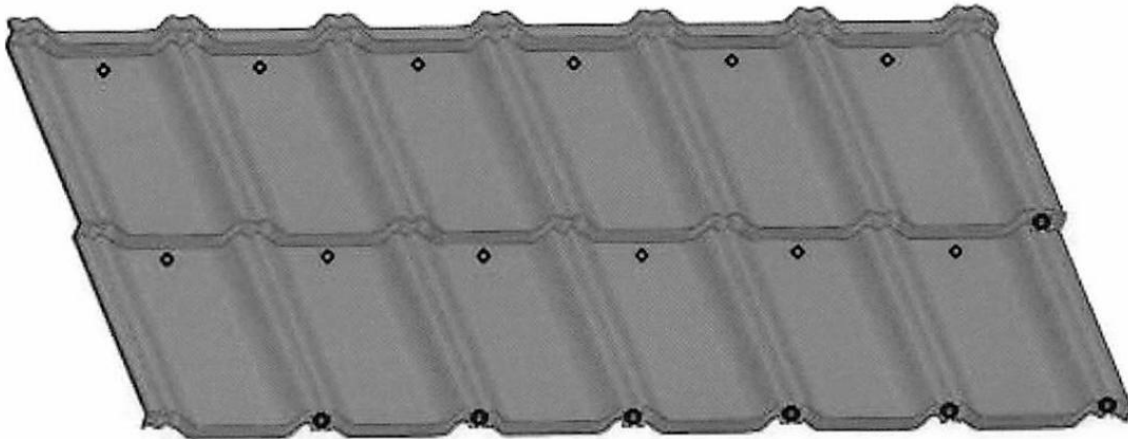


APPROVED ASSEMBLIES

System 1 - Tremblant or German Simetric									
Roof 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; In the HVHZ, new construction shall be min. 19/32-inch 40/20 span rated, CDX plywood at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Underlayment:	Installed in accordance with FBC requirements.								
Attachment:	Six (6) 2-3/8-inch WFD-4.8x35 fasteners shall be installed such that one fastener is in every other pan, 1/2-inch to the left of the rib. Panels shall be installed with 26-inch exposure. One (1) 2-3/8-inch WFD-4.8x35 fastener shall be installed into the nose of the panel at the 2-inch side lap. Fasteners shall penetrate through the deck a minimum 3/8-inch and shall comply with section 1506.6 and 1507.4.4.								
									
Maximum Design Pressures:	-52.5 psf <i>Pressure calculated using 2:1 margin of safety</i>								
Maximum Mean Roof Heights for 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	57 ft	35 ft	22 ft	NA	NA	NA
C	60 ft	50 ft	24 ft	NA	NA	NA	NA	NA	NA
D	51 ft	20 ft	NA	NA	NA	NA	NA	NA	NA
Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs									
B	60 ft	59 ft	34 ft	20 ft	NA	NA	NA	NA	NA
C	28 ft	NA	NA	NA	NA	NA	NA	NA	NA
D	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	39 ft	21 ft	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 an effective wind 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) $K_e = 1.0$ 8) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 9) See page 12 for details for dimensions and locales of Zone 1, 2, and 3 10) V_{ult} is shown in the tables above. Design wind loads are calculated using $V_{asd} = V_{ult} \sqrt{0.6}$ per 1609.3.1.									

System 2 - Tremblant or German Simetric

Roof 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; In the HVHZ, new construction shall be min. 19/32-inch 40/20 span rated, CDX plywood at max. 24-inch span; Designed by others in accordance with FBC requirements.
Underlayment:	Installed in accordance with FBC requirements.
Attachment:	Min. #12 x 1.5-inch WoodZIP screws shall be fastened in two (2) rows of six (6) screws; Fasteners shall be placed in the center of each pan, beneath the step or headlap; Fastener rows shall be spaced 13 3/4-inches o.c. for a total of twelve (12) fasteners per panel; Panels shall be stitched at the side lap with one (1) 1/4"-14 x 7/8-inch SteelZIP stitch screws placed at each vertical leg for a total of two fasteners per side lap; Panels shall be stitched 7 1/2-inches o.c. along the vertical leg of the headlap in the center of pan with one (1) 1/4"-14 x 7/8-inch SteelZIP stitch screw for a total of five (5) fasteners per headlap; Fasteners shall penetrate through the deck a minimum 3/8-inch and shall comply with section 1506.6 and 1507.4.4.



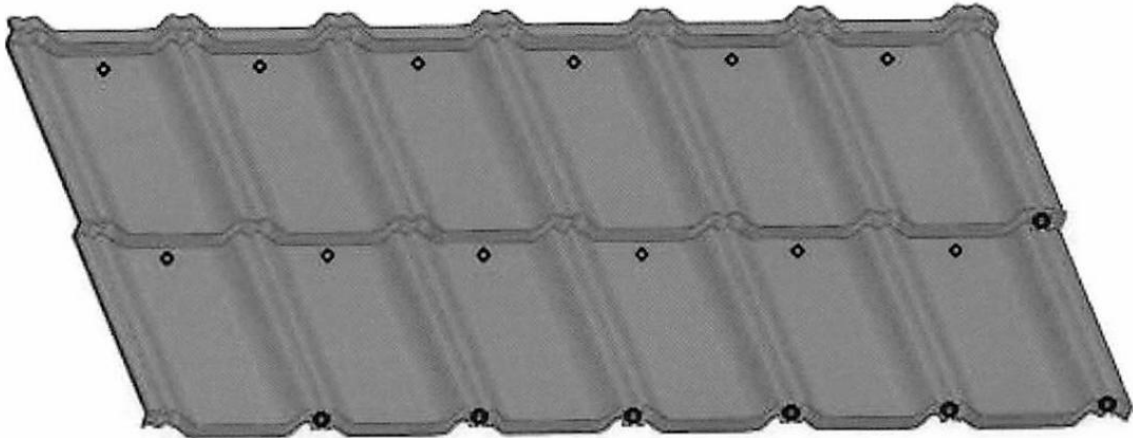
Maximum Design Pressures:	-86 psf <i>Pressure calculated using 2:1 margin of safety</i>
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**Maximum Mean Roof Heights for
Slopes 2:12 – 12:12**

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	42 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	41 ft	23 ft	NA	NA
D	60 ft	60 ft	60 ft	60 ft	32 ft	15 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	50 ft	32 ft	21 ft	15 ft
C	60 ft	60 ft	60 ft	35 ft	19 ft	NA	NA	NA	NA
D	60 ft	60 ft	30 ft	NA	NA	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	46 ft	28 ft	18 ft	NA	NA	NA
C	60 ft	38 ft	18 ft	NA	NA	NA	NA	NA	NA
D	37 ft	15 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 an effective wind 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) $K_e = 1.0$ 8) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 9) See page 12 for details for dimensions and locales of Zone 1, 2, and 3 10) V_{ult} is shown in the tables above. Design wind loads are calculated using $V_{asd} = V_{ult} \sqrt{0.6}$ per 1609.3.1.



System 3 - Tremblant or German Simetric									
Roof Deck:	Solid or closely fitted min. 19/32-inch 40/20 span rated, 4-ply, CDX plywood at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Underlayment:	Installed in accordance with FBC requirements.								
Attachment:	Min. #12 x 1.5-inch WoodZIP screws shall be fastened in two (2) rows of six (6) screws; Fasteners shall be placed in the center of each pan, beneath the step or headlap; Fastener rows shall be spaced 13 3/4-inches o.c. for a total of twelve (12) fasteners per panel; Panels shall be stitched at the side lap with one (1) 1/4"-14 x 7/8-inch SteelZIP stitch screws placed at each vertical leg for a total of two fasteners per side lap; Panels shall be stitched 7 1/2-inches o.c. along the vertical leg of the headlap in the center of pan with one (1) 1/4"-14 x 7/8-inch SteelZIP stitch screw for a total of five (5) fasteners per headlap; Fasteners shall penetrate through the deck a minimum 3/8-inch and shall comply with section 1506.6 and 1507.4.4.								
									
Maximum Design Pressures:	-101 psf <i>Pressure calculated using 2:1 margin of safety</i>								
Maximum Mean Roof Heights for 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	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 an effective wind 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) $K_e = 1.0$ 8) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 9) See page 12 for details for dimensions and locales of Zone 1, 2, and 3 10) V_{ult} is shown in the tables above. Design wind loads are calculated using $V_{asd} = V_{ult} \sqrt{0.6}$ per 1609.3.1.									

System 4 - Tremblant or German Simetric

Roof 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; In the HVHZ, new construction shall be min. 19/32-inch 40/20 span rated, CDX plywood at max. 24-inch span; Designed by others in accordance with FBC requirements.
Underlayment:	Installed in accordance with FBC requirements.
Attachment:	Min. #12 x 1.5-inch WoodZIP screws shall be fastened in two (2) rows of twelve (12) screws; Two (2) fasteners shall be placed in the center of each pan, beneath the step or headlap; Fastener rows shall be spaced 13 3/4-inches o.c. for a total of twenty-four (24) fasteners per panel; Panels shall be stitched at the side lap with one (1) 1/4"-14 x 7/8-inch SteelZIP stitch screws placed at each vertical leg for a total of two fasteners per side lap; Panels shall be stitched 3-3/4-inches o.c. along the vertical leg of the headlap in the center of pan with one (1) 1/4"-14 x 7/8-inch SteelZIP stitch screw for a total of (11) fasteners per headlap; Fasteners shall penetrate through the deck a minimum 3/8-inch and shall comply with section 1506.6 and 1507.4.4.



Maximum Design Pressures:	-198.5 psf <i>Pressure calculated using 2:1 margin of safety</i>
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**Maximum Mean Roof Heights for
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	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	60 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	60 ft	56 ft	34 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	42 ft	22 ft	NA

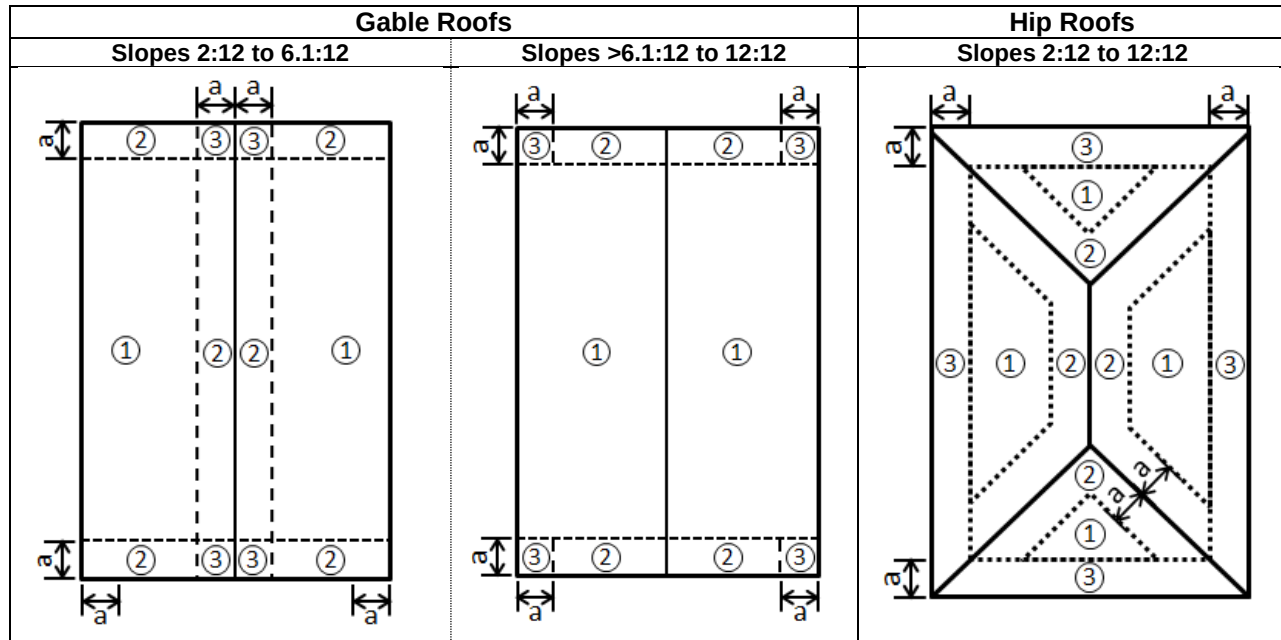
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on an effective wind area of 10ft² or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed Buildings without overhangs 5) NA = "Not Allowed" 6) $K_d = 0.85$ 7) $K_e = 1.0$ 8) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 9) See page 12 for details for dimensions and locales of Zone 1, 2, and 3 10) V_{ult} is shown in the tables above. Design wind loads are calculated using $V_{asd} = V_{ult} \sqrt{0.6}$ per 1609.3.1.

System 5 - Enigma									
Roof 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; In the HVHZ, new construction shall be min. 19/32-inch 40/20 span rated, CDX plywood at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Underlayment:	Installed in accordance with FBC requirements.								
Attachment:	Min. #12 x 1.5-inch WoodZIP screws shall be fastened in two (2) rows of five (5) screws; Fasteners shall be placed in the center of the pan, beneath the step or headlap; Fasteners shall be spaced 8 1/2-inches o.c. for a total of ten (10) fasteners per panel; Panels shall be stitched at the vertical leg of side lap with one (1) 1/4"-14 x 7/8-inch SteelZIP stitch screws placed 1.5-inches from the edge of panel; Panels shall be stitched at the vertical leg of the rib along the headlap with one (1) 1/4"-14 x 7/8-inch SteelZIP stitch screw spaced 8 1/2-inches o.c. for a total of five (5) fasteners per headlap; Fasteners shall penetrate through the deck a minimum 3/8-inch and shall comply with section 1506.6 and 1507.4.4.								
									
Maximum Design Pressures:	-86 psf <i>Pressure calculated using 2:1 margin of safety</i>								
Maximum Mean Roof Heights for 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	42 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	41 ft	23 ft	NA	NA
D	60 ft	60 ft	60 ft	60 ft	32 ft	15 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	50 ft	32 ft	21 ft	15 ft
C	60 ft	60 ft	60 ft	35 ft	19 ft	NA	NA	NA	NA
D	60 ft	60 ft	30 ft	NA	NA	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	46 ft	28 ft	18 ft	NA	NA	NA
C	60 ft	38 ft	18 ft	NA	NA	NA	NA	NA	NA
D	37 ft	15 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 an effective wind 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) $K_e = 1.0$ 8) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 9) See page 12 for details for dimensions and locales of Zone 1, 2, and 3 10) V_{ult} is shown in the tables above. Design wind loads are calculated using $V_{asd} = V_{ult} \sqrt{0.6}$ per 1609.3.1.									

System 6 - Enigma									
Roof 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; In the HVHZ, new construction shall be min. 19/32-inch 40/20 span rated, CDX plywood at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Underlayment:	Installed in accordance with FBC requirements.								
Attachment:	Min. #12 x 1.5-inch WoodZIP screws shall be fastened in two (2) rows of ten (10) screws; Two (2) fasteners shall be placed 3.5-inches apart in the center of each pan, beneath the step or headlap; Fastener pairs shall be spaced 8 1/2-inches o.c. for a total of twenty (20) screws per panel; Panels shall be stitched at the side lap with one (1) 1/4"-14 x 7/8-inch SteelZIP stitch screws placed 1.5-inches from the edge of panel; Panels shall be stitched at the vertical of the pan and rib along the headlap with one (1) 1/4"-14 x 7/8-inch SteelZIP stitch screw spaced 4 1/4-inches o.c. for a total of ten (10) fasteners per headlap; Fasteners shall penetrate through the deck a minimum 3/8-inch and shall comply with section 1506.6 and 1507.4.4.								
									
Maximum Design Pressures:	-148.5 psf <i>Pressure calculated using 2:1 margin of safety</i>								
Maximum Mean Roof Heights for 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	60 ft	60 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	56 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	51 ft	31 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	38 ft	20 ft	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	41 ft
C	60 ft	60 ft	60 ft	60 ft	60 ft	40 ft	23 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 Florida Building Code 2) Limitations are based on an effective wind 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) $K_e = 1.0$ 8) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 9) See page 12 for details for dimensions and locales of Zone 1, 2, and 3 10) V_{ult} is shown in the tables above. Design wind loads are calculated using $V_{asd} = V_{ult}/0.6$ per 1609.3.1.									

System 7 - Estima									
Roof 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; In the HVHZ, new construction shall be min. 19/32-inch 40/20 span rated, CDX plywood at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Underlayment:	Installed in accordance with FBC requirements.								
Attachment:	Min. #12 x 1.5-inch WoodZIP screws shall be fastened in two (2) rows of eight (8) screws; Fasteners shall be placed 3-inches apart on each side of panel rib, beneath the step or headlap; Fastener rows shall be spaced 13 3/4-inches o.c. for a total of sixteen (16) fasteners per panel; Panels shall be stitched at the side lap with one (1) 1/4"-14 x 7/8-inch SteelZIP stitch screws placed at each vertical leg for a total of two fasteners per side lap; Panels shall be stitched 11 3/8-inches o.c. along the vertical leg of the headlap in the center of pan with one (1) 1/4"-14 x 7/8-inch SteelZIP stitch screw for a total of four (4) fasteners per headlap; Fasteners shall penetrate through the deck a minimum 3/8-inch and shall comply with section 1506.6 and 1507.4.4.								
									
Maximum Design Pressures:	-104.75 psf <i>Pressure calculated using 2:1 margin of safety</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	36 ft	21 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	49 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	45 ft	31 ft
C	60 ft	60 ft	60 ft	60 ft	49 ft	27 ft	15 ft	NA	NA
D	60 ft	60 ft	60 ft	41 ft	19 ft	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	59 ft	38 ft	24 ft	16 ft	NA
C	60 ft	60 ft	48 ft	24 ft	NA	NA	NA	NA	NA
D	60 ft	45 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 an effective wind 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) $K_e = 1.0$ 8) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 9) See page 12 for details for dimensions and locales of Zone 1, 2, and 3 10) V_{ult} is shown in the tables above. Design wind loads are calculated using $V_{asd} = V_{ult} \sqrt{0.6}$ per 609.3.1.									

System 8 – Estima									
Roof 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; In the HVHZ, new construction shall be min. 19/32-inch 40/20 span rated, CDX plywood at max. 24-inch span; Designed by others in accordance with FBC requirements.								
Underlayment:	Installed in accordance with FBC requirements.								
Attachment:	Min. #12 x 1.5-inch WoodZIP screws shall be fastened in two (2) rows of twelve (12) fasteners; Fasteners shall be placed 3-inches apart on each side of panel rib and in the center of the pan, beneath the step or headlap; Fastener rows shall be spaced 13 3/4-inches o.c. for a total of twenty four (24) fasteners per panel; Panels shall be stitched at the side lap with one (1) 1/4"-14 x 7/8-inch SteelZIP stitch screws placed at each vertical leg for a total of two fasteners per side lap; Panels shall be stitched 5 5/8-inches o.c. along the vertical leg of the headlap in the center of pan and at the rib with one (1) 1/4"-14 x 7/8-inch SteelZIP stitch screw for a total of seven (7) fasteners per headlap; Fasteners shall penetrate through the deck a minimum 3/8-inch and shall comply with section 1506.6 and 1507.4.4.								
									
Maximum Design Pressures:	-191 psf <i>Pressure calculated using 2:1 margin of safety</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	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	48 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	60 ft	46 ft	28 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	34 ft	18 ft	NA
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on an effective wind 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) $K_e = 1.0$ 8) Projects with mean roof heights of greater than 60 ft shall be evaluated by a licensed design professional 9) See page 12 for details for dimensions and locales of Zone 1, 2, and 3 10) V_{ult} is shown in the tables above. Design wind loads are calculated using $V_{asd} = V_{ult}/0.6$ per 1609.3.1.									



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.

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. Roof slope shall be in accordance with FBC.
4. Reroofing shall be in accordance with FBC Section 1511 outside the HVHZ and Section 1521 inside the HVHZ.
5. Installation of the evaluated products shall comply with this report, the FBC and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
6. FBC Section 1504.3.1.1 is not within the scope of this evaluation. Compliance with FBC Section 1504.3.1.1 shall be established through other *approved* products.
7. Materials shall conform to FBC Section 1711 as well as FBC Section 1506 outside of the HVHZ and FBC Section 1517 within the HVHZ.
8. 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
CREEK Technical Services, LLC

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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