



**EVALUATION REPORT**

**FLORIDA BUILDING CODE, 8<sup>TH</sup> EDITION (2023)**

**Manufacturer:** BLACHOTRAPEZ SP. Z O.O. *Issued October 19, 2023*  
 ul. Kilinskiego 49a  
 34-700 Rabka-Zdroj, Poland  
 +48797004056  
[www.blachotrapez.eu/en](http://www.blachotrapez.eu/en)

**Manufacturing:** Rabka-Zdroj, Poland  
 Bochnia, Poland  
 Raszyn, Poland

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

**SCOPE**

**Category:** Roofing  
**Subcategory:** Metal Roofing  
**Code Edition:** Florida Building Code, 8th Edition (2023) 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

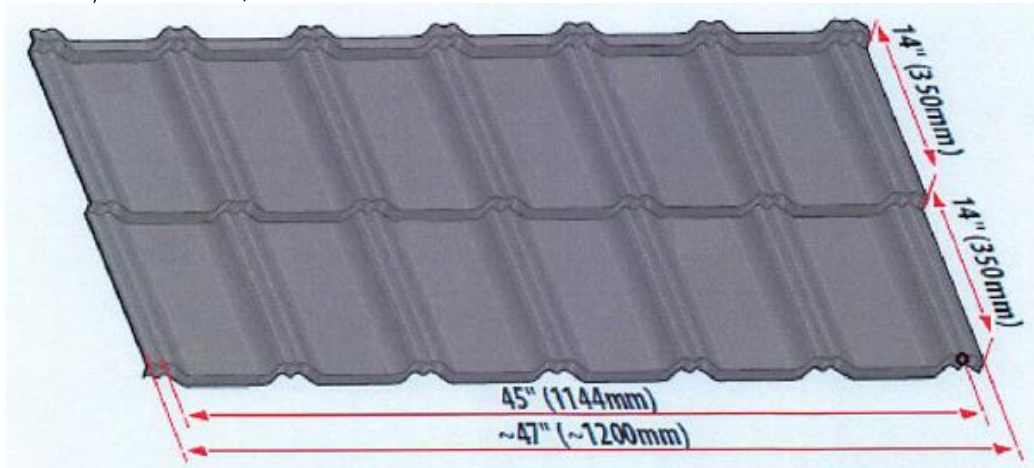
**REFERENCES**

<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	2013
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	2013

**PRODUCT DESCRIPTION**

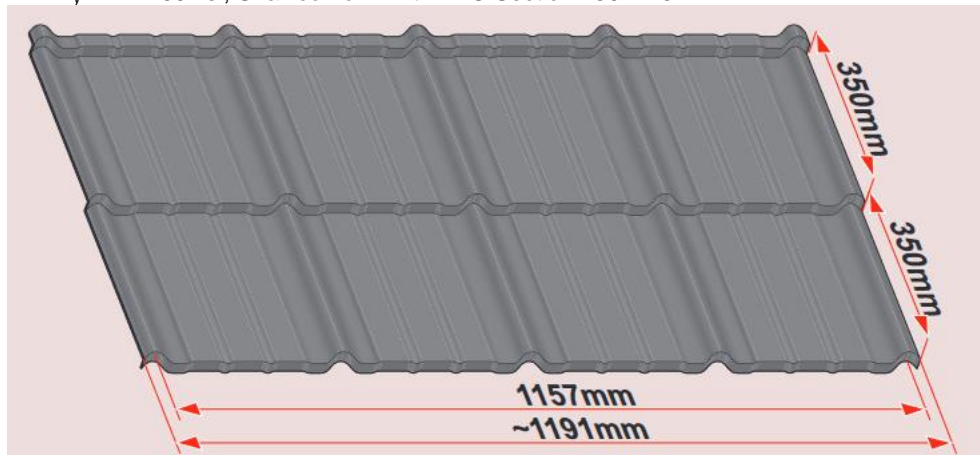
**Tremblant or German Simetric**

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

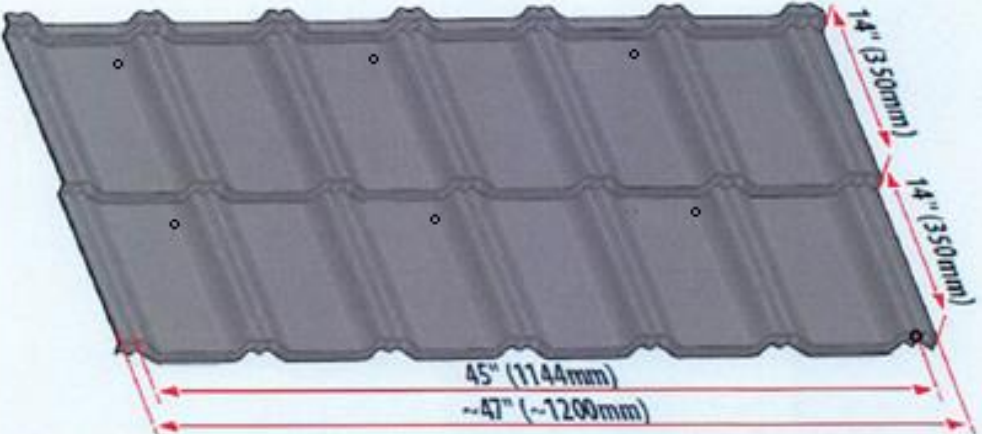


**Estima**

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

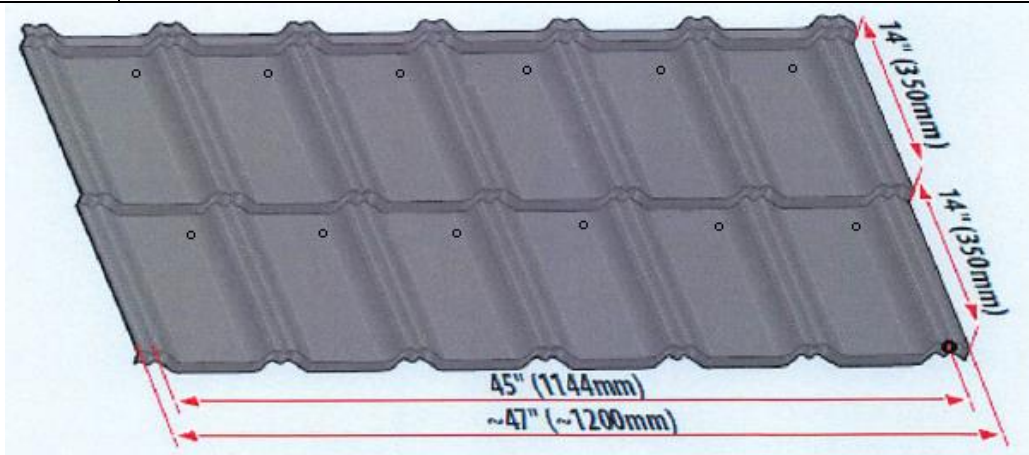


**APPROVED ASSEMBLIES**

<b>System 1 - Tremblant or German Simetric</b>									
Roof Deck:	Solid or closely fitted min. 15/32 in. 32/16 span rated, 4-ply, CDX plywood sheathing for new and existing construction at max. 24 in. span; In the HVHZ, new construction shall be min. 19/32 in. 40/20 span rated, CDX plywood at max. 24 in. span; Designed by others in accordance with FBC requirements.								
Underlayment:	Installed in accordance with FBC requirements.								
Attachment:	Six (6) 2-3/8" 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" 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" and shall comply with section 1506.6 and 1507.4.4.								
									
Maximum Design Pressures:	<b>-52.5 psf</b> <i>Pressure calculated using 2:1 margin of safety</i>								
<b>Maximum Mean Roof Heights for Slopes 2:12 – 12:12</b>									
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 <sup>2</sup> 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 10 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 in. 32/16 span rated, 4-ply, CDX plywood sheathing for new and existing construction at max. 24 in. span; In the HVHZ, new construction shall be min. 19/32 in. 40/20 span rated, CDX plywood at max. 24 in. span; Designed by others in accordance with FBC requirements.
Underlayment:	Installed in accordance with FBC requirements.
Attachment:	Twelve (12) 2-3/8" WFD-4.8x35 fasteners shall be installed such that one fastener is in every pan, 1/2-inch to the left of the rib. Panels shall be installed with 26-inch exposure. One (1) 2-3/8" 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" and shall comply with section 1506.6 and 1507.4.4.



Maximum Design Pressures:	<b>-60 psf</b> <i>Pressure calculated using 2:1 margin of safety</i>
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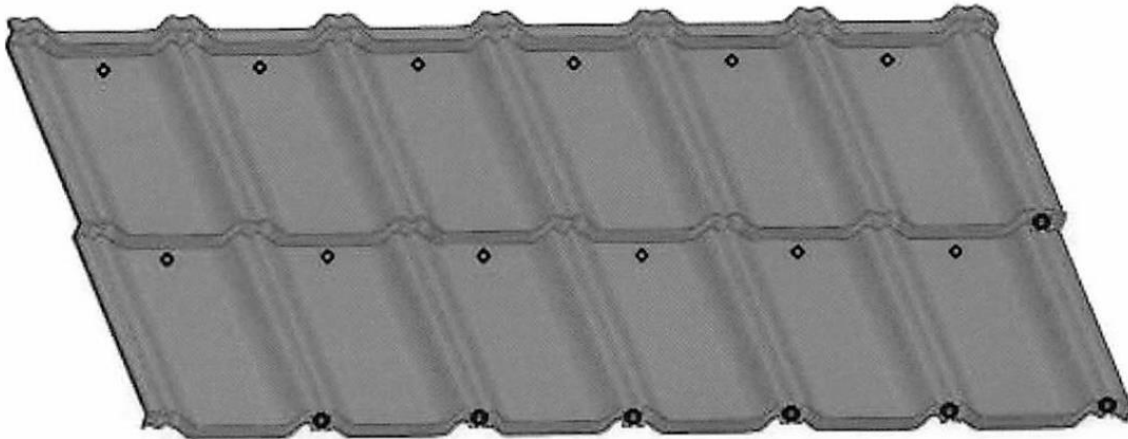
**Maximum Mean Roof Heights for Slopes 2:12 – 12:12**

Exposure	Basic Wind Speed (mph)								
	≤120	130	140	150	160	170	180	190	200
<b>Zone 1 for Gable/Hip Roofs</b>									
B	60 ft	60 ft	60 ft	60 ft	58 ft	37 ft	24 ft	16 ft	NA
C	60 ft	60 ft	47 ft	24 ft	NA	NA	NA	NA	NA
D	60 ft	43 ft	18 ft	NA	NA	NA	NA	NA	NA
<b>Zone 2 for Gable Roofs and Zones 2 &amp; 3 for Hip Roofs</b>									
B	60 ft	60 ft	56 ft	33 ft	20 ft	NA	NA	NA	NA
C	54 ft	24 ft	NA	NA	NA	NA	NA	NA	NA
D	22 ft	NA	NA	NA	NA	NA	NA	NA	NA
<b>Zone 3 for Gable Roofs</b>									
B	60 ft	35 ft	20 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 an effective wind area of 10ft<sup>2</sup> 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 10 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. 15/32 in. 32/16 span rated, 4-ply, CDX plywood sheathing for new and existing construction at max. 24 in. span; In the HVHZ, new construction shall be min. 19/32 in. 40/20 span rated, CDX plywood at max. 24 in. span; Designed by others in accordance with FBC requirements.
Underlayment:	Installed in accordance with FBC requirements.
Attachment:	Min. #12 x 1.5" WoodZIP screws shall be fastened in two (2) rows of six (6) screws; Fasteners placed 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 twelve (12) fasteners per panel; Panels shall be stitched at the side lap with one (1) 1/4"-14 x 7/8" 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" SteelZIP stitch screw for a total of five (5) fasteners per headlap; Fasteners shall penetrate through the deck a minimum 3/8" and shall comply with section 1506.6 and 1507.4.4.



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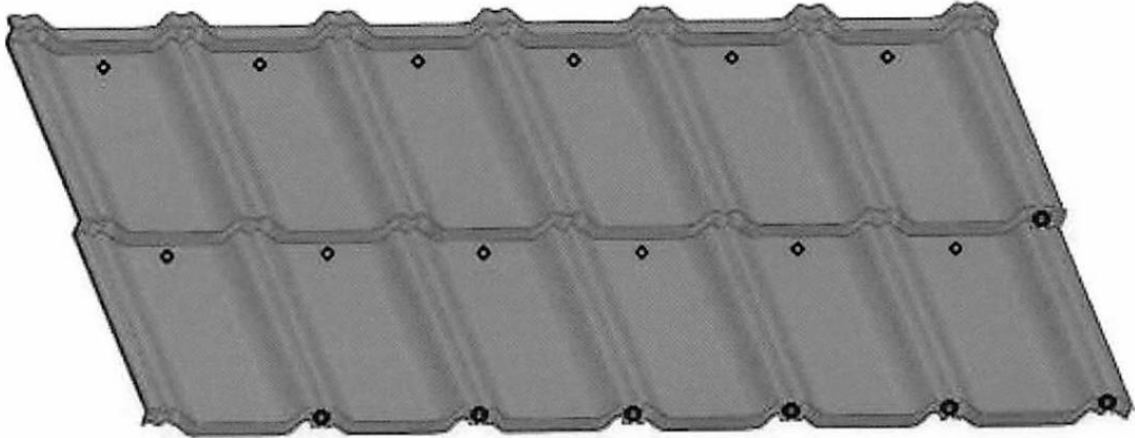
**Maximum Mean Roof Heights for**  
Slopes 2:12 – 12:12

Exposure	Basic Wind Speed (mph)								
	≤120	130	140	150	160	170	180	190	200
<b>Zone 1 for Gable/Hip Roofs</b>									
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
<b>Zone 2 for Gable Roofs and Zones 2 &amp; 3 for Hip Roofs</b>									
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
<b>Zone 3 for Gable Roofs</b>									
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<sup>2</sup> 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 10 for details for dimensions and locales of Zone 1, 2, and 3 10)  $V_{asd}$  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. 19/32 in. 40/20 span rated, 4-ply, CDX plywood at max. 24 in. span; Designed by others in accordance with FBC requirements.
Underlayment:	Installed in accordance with FBC requirements.
Attachment:	Min. #12 x 1.5" WoodZIP screws shall be fastened in two (2) rows of six (6) screws; Fasteners placed 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 twelve (12) fasteners per panel; Panels shall be stitched at the side lap with one (1) 1/4"-14 x 7/8" 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" SteelZIP stitch screw for a total of five (5) fasteners per headlap; Fasteners shall penetrate through the deck a minimum 3/8" and shall comply with section 1506.6 and 1507.4.4.

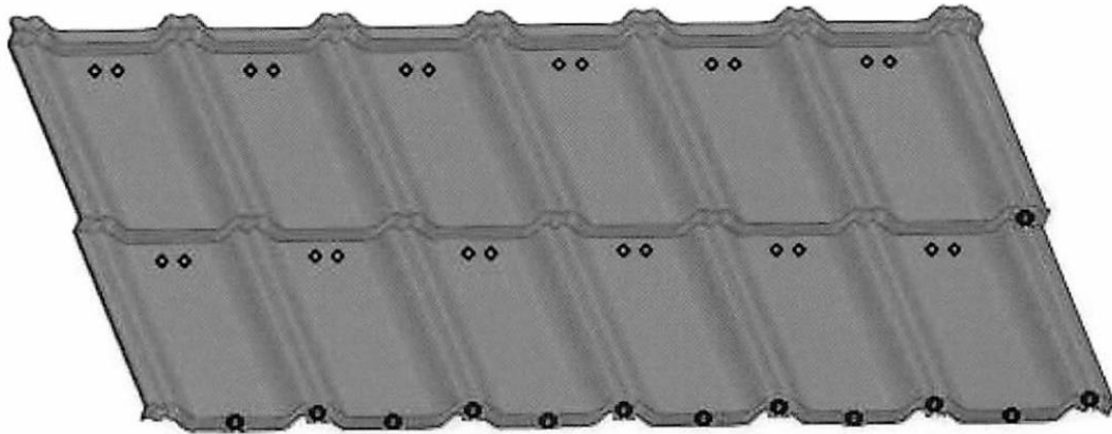



Maximum Design Pressures:	<b>-101 psf</b> <i>Pressure calculated using 2:1 margin of safety</i>
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**Maximum Mean Roof Heights for Slopes 2:12 – 12:12**


Exposure	Basic Wind Speed (mph)								
	≤120	130	140	150	160	170	180	190	200
<b>Zone 1 for Gable/Hip Roofs</b>									
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	30 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	40 ft	20 ft	NA
<b>Zone 2 for Gable Roofs and Zones 2 &amp; 3 for Hip Roofs</b>									
B	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	40 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	34 ft	16 ft	NA	NA	NA	NA
<b>Zone 3 for Gable Roofs</b>									
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

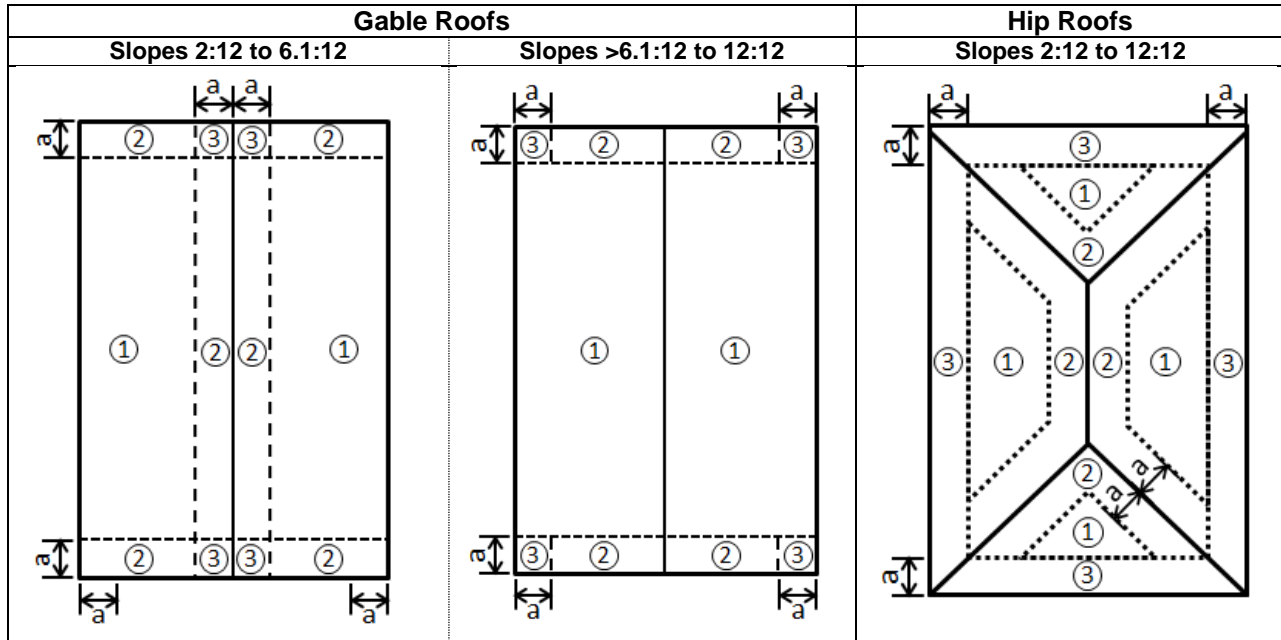
Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on an effective wind area of 10ft<sup>2</sup> or less 3) Topographic factors such as escarpments or hills are not included in the above assessment 4) Applicable for Enclosed 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 10 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 - Tremblant or German Simetric									
Roof Deck:	Solid or closely fitted min. 15/32 in. 32/16 span rated, 4-ply, CDX plywood sheathing for new and existing construction at max. 24 in. span; In the HVHZ, new construction shall be min. 19/32 in. 40/20 span rated, CDX plywood at max. 24 in. span; Designed by others in accordance with FBC requirements.								
Underlayment:	Installed in accordance with FBC requirements.								
Attachment:	Min. #12 x 1.5" WoodZIP screws shall be fastened in two (2) rows of twelve (12) screws; Fasteners placed 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" 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 healap in the center of pan with one (1) 1/4"-14 x 7/8" SteelZIP stitch screw for a total of (11) fasteners per headlap; Fasteners shall penetrate through the deck a minimum 3/8" and shall comply with section 1506.6 and 1507.4.4.								
									
Maximum Design Pressures:	<b>-198.5 psf</b> <i>Pressure calculated using 2:1 margin of safety</i>								
<b>Maximum Mean Roof Heights for Slopes 2:12 – 12:12</b>									
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	60 ft	42 ft	22 ft
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 <sup>2</sup> 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 10 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 - Estima									
Roof Deck:	Solid or closely fitted min. 15/32 in. 32/16 span rated, 4-ply, CDX plywood sheathing for new and existing construction at max. 24 in. span; In the HVHZ, new construction shall be min. 19/32 in. 40/20 span rated, CDX plywood at max. 24 in. span; Designed by others in accordance with FBC requirements.								
Underlayment:	Installed in accordance with FBC requirements.								
Attachment:	Min. #12 x 1.5" WoodZIP screws shall be fastened in two (2) rows of eight (8) screws; Fasteners 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" 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" SteelZIP stitch screw for a total of four (4) fasteners per headlap; Fasteners shall penetrate through the deck a minimum 3/8" and shall comply with section 1506.6 and 1507.4.4.								
									
Maximum Design Pressures:	<b>-104.75 psf</b> <i>Pressure calculated using 2:1 margin of safety</i>								
<b>Maximum Mean Roof Heights</b> 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 <sup>2</sup> 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 10 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 7 – Estima									
Roof Deck:	Solid or closely fitted min. 15/32 in. 32/16 span rated, 4-ply, CDX plywood sheathing for new and existing construction at max. 24 in. span; In the HVHZ, new construction shall be min. 19/32 in. 40/20 span rated, CDX plywood at max. 24 in. span; Designed by others in accordance with FBC requirements.								
Underlayment:	Installed in accordance with FBC requirements.								
Attachment:	Min. #12 x 1.5" WoodZIP screws shall be fastened in two (2) rows of twelve (12) fasteners; Fasteners 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" 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" SteelZIP stitch screw for a total of seven (7) fasteners per headlap; Fasteners shall penetrate through the deck a minimum 3/8" and shall comply with section 1506.6 and 1507.4.4.								
									
Maximum Design Pressures:	<b>-191 psf</b> <i>Pressure calculated using 2:1 margin of safety</i>								
<b>Maximum Mean Roof Heights</b> 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 <sup>2</sup> 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 10 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.									



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.

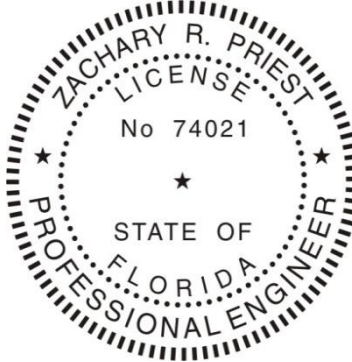
#### LIMITATIONS

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. All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

**COMPLIANCE STATEMENT**

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The products evaluated herein by Zachary R. Priest, P.E. have demonstrated compliance with the Florida Building Code, 8<sup>th</sup> Edition (2023) including High-Velocity Hurricane Zones (HVHZ) as evidenced in the referenced documents submitted by the named manufacturer.



**This item has been digitally signed and sealed by Zachary R. Priest, PE, on 10/19/2023.**

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

Zachary R. Priest, P.E.  
Florida Registration No. 74021  
Organization No. ANE9641

**CERTIFICATION OF INDEPENDENCE**

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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**