



EVALUATION REPORT

FLORIDA BUILDING CODE, 8TH EDITION (2023)

Manufacturer: VICWEST
 5050 South Service Road, Unit 200
 Burlington, ON L7L 5Y7
 Canada
 (905) 825-2252
www.vicwest.com

Issued October 12, 2023

Manufacturing: Stratford, ON

Quality Assurance: Intertek Testing Services NA, Inc. – QA Entity (QUA1673)

SCOPE

Category: Roofing
Subcategory: Metal Roofing
Code Edition: Florida Building Code, 8th Edition (2023)
Code Sections: 1504.3
Properties: Wind Resistance

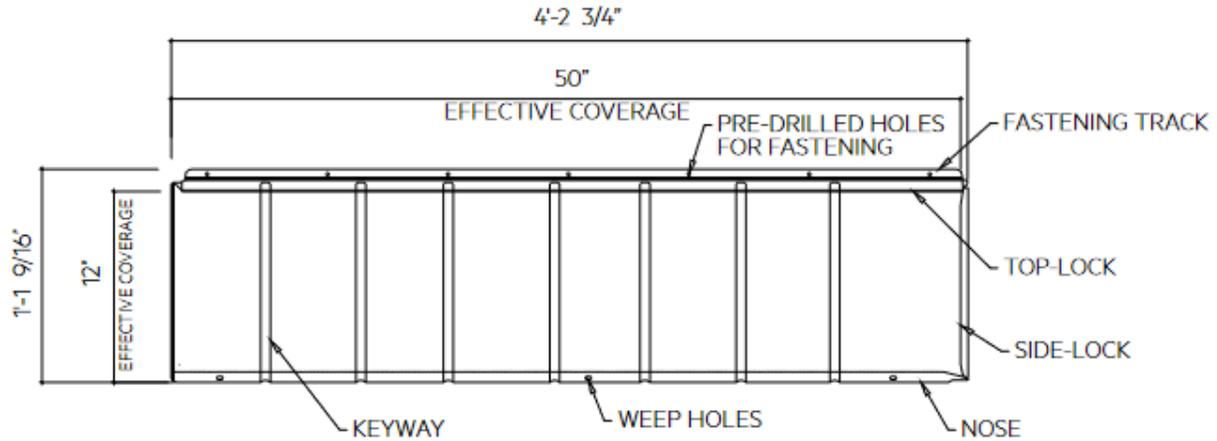
REFERENCES

| <u>Entity</u> | <u>Report No.</u> | <u>Standard</u> | <u>Year</u> |
|---|--------------------|-----------------|-------------|
| PRI Construction Materials Technologies (TST5878) | 2362T0004 | UL 580 | 2006 |
| PRI Construction Materials Technologies (TST5878) | 2362T0005 | UL 1897 | 2015 |
| | | UL 580 | 2006 |
| | | UL 1897 | 2015 |
| PRI Construction Materials Technologies (TST5878) | 2362T0006 | TAS 125 | 2003 |
| | | UL 1897 | 2015 |
| PRI Construction Materials Technologies (TST5878) | 2362T0007.1 | UL 580 | 2006 |
| PRI Construction Materials Technologies (TST5878) | 2362T0007.1 | UL 1897 | 2015 |
| | | TAS 125 | 2003 |
| | | UL 1897 | 2015 |
| PRI Construction Materials Technologies (TST5878) | 2362T0008 | UL 1897 | 2015 |
| PRI Construction Materials Technologies (TST5878) | 2362T0009 | UL 1897 | 2015 |
| PRI Construction Materials Technologies (TST5878) | 2362T0010 | UL 1897 | 2015 |
| PRI Construction Materials Technologies (TST5878) | 2362T0012 | UL 580 | 2006 |
| | | UL 1897 | 2015 |
| | | TAS 125 | 2003 |
| Intertek (TST1509) | 103884899COQ-004 | ASTM E 108 | 2017 |
| Intertek (TST1509) | 103884899COQ-005A | ASTM E 108 | 2017 |
| Intertek (TST1509) | 105138821COQ-001R1 | ASTM E 108 | 2017 |

PRODUCT DESCRIPTION

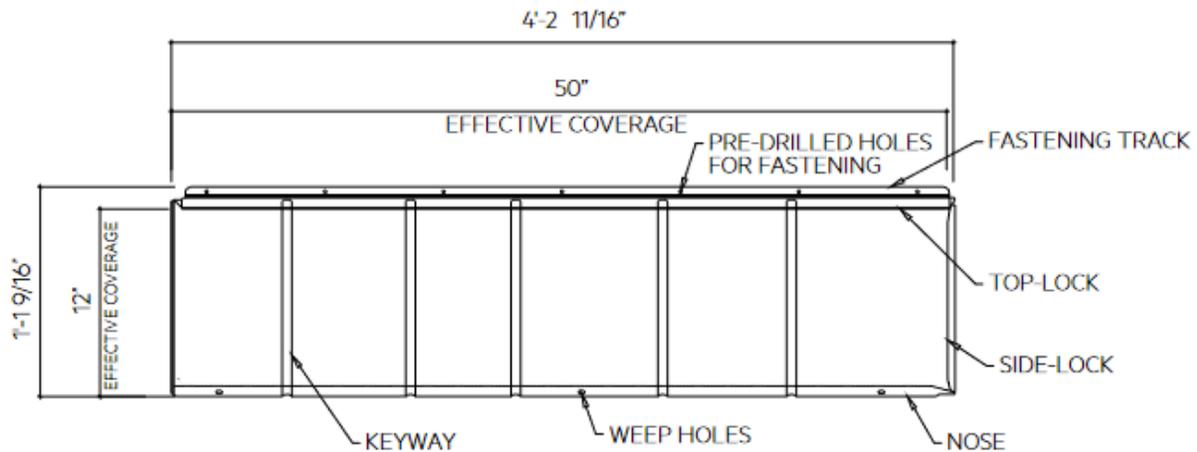
Cedar Creek™ Shake

Profile: Shake roof facsimile; Concealed fasteners
Description: Non-structural, preformed, fastened steel panels
Material: Min. 28 ga. steel, ASTM A792 AZ50 Grade 33; Shall conform with FBC Section 1507.4.3



North Ridge™ Slate

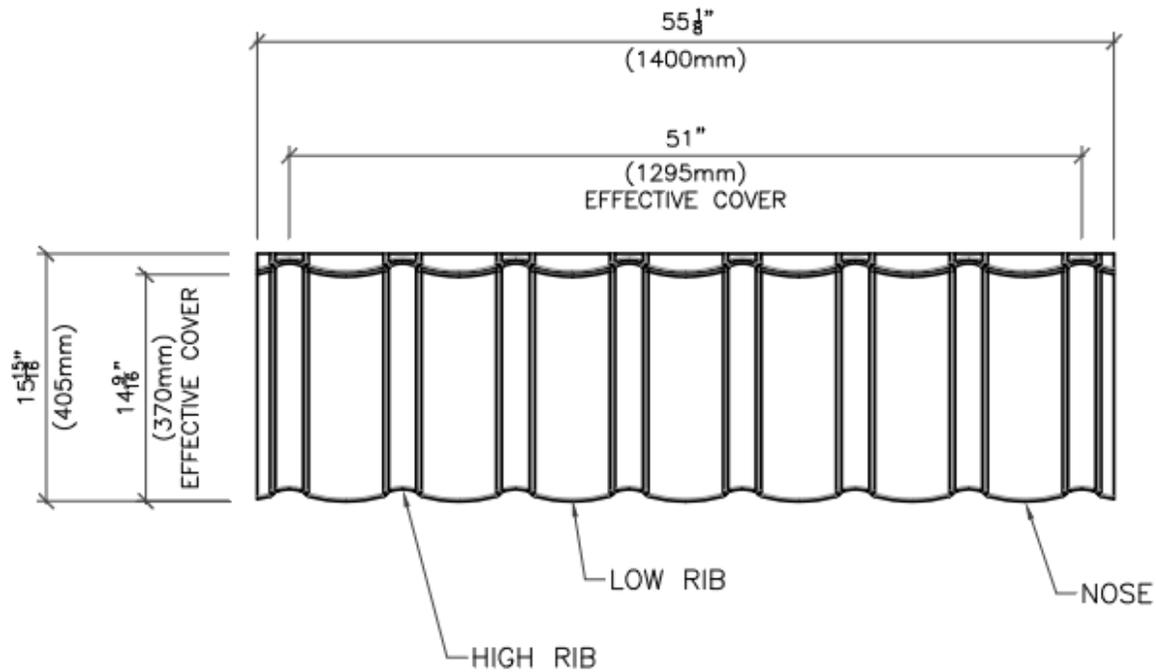
Profile: Slate roof facsimile; Concealed fasteners
Description: Non-structural, preformed, fastened steel panels
Material: Min. 28 ga. steel, ASTM A792 AZ50 Grade 33; Shall conform with FBC Section 1507.4.3



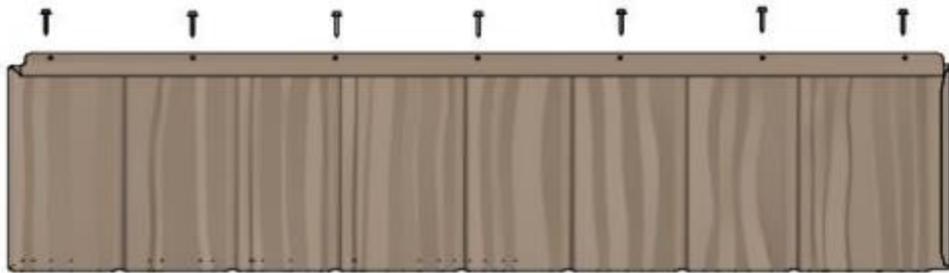


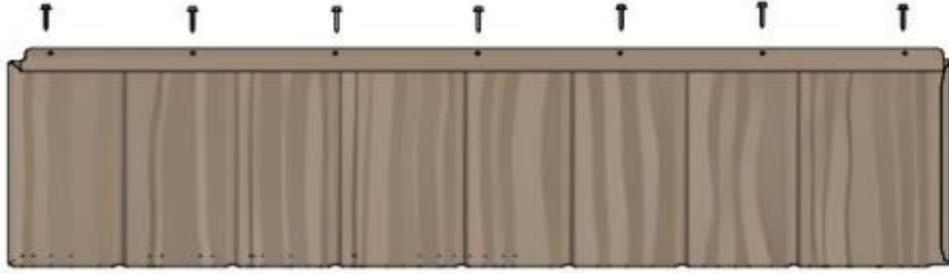
Coastal Wave™

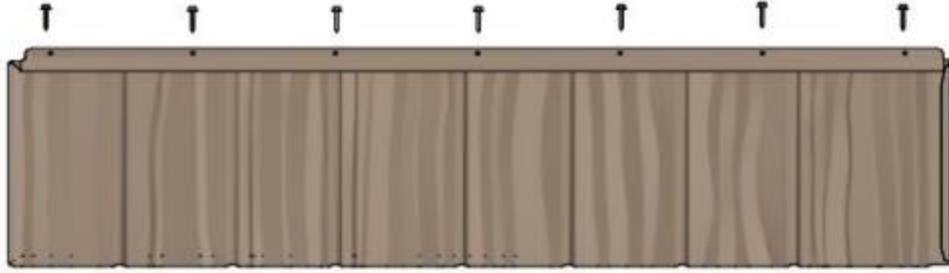
Profile: Tile roof facsimile
Description: Non-structural, preformed, fastened steel panels
Material: Min. 28 ga. steel, ASTM A792 AZ50 Grade 33; Shall conform with FBC Section 1507.4.3



APPROVED ASSEMBLIES

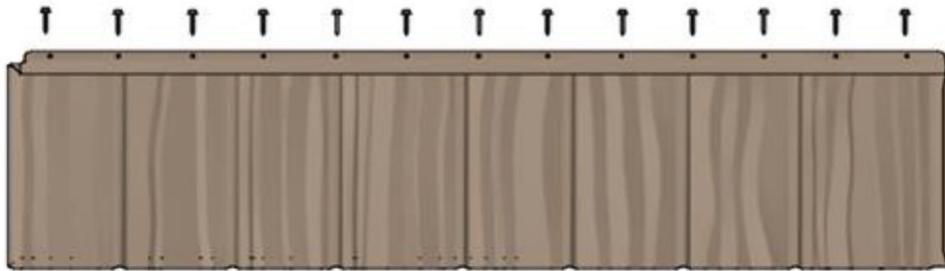
| System 1 – Cedar Creek™ Shake or North Ridge™ Slate | | | | | | | | | |
|---|---|-------|-------|-------|-------|-------|-----|-----|-----|
| Slope: | 3:12 or greater | | | | | | | | |
| Roof Deck: | Solid or closely fitted min. 7/16-inch OSB sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements. | | | | | | | | |
| Underlayment: | Installed in accordance with FBC requirements. | | | | | | | | |
| Panel: | Min. 28ga. steel Cedar Creek™ Shake or North Ridge™ Slate | | | | | | | | |
| Panel Attachment: | Metal Panel shall be installed as shown with seven (7) #10 x minimum 1 1/2-inch Master Gripper HWH screws along the fastening flange beginning 2-inches from the edge and approximately 7 3/4-inch o.c. thereafter. Panels are installed in courses by interlocking the headlap and sidelap to adjacent panels. Sidelaps are offset a min. 11-inches from the previous course. 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 | | | | | | | | | |
| 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 Error! Bookmark not defined. 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 – Cedar Creek™ Shake or North Ridge™ Slate | | | | | | | | | |
|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Slope: | 3:12 or greater | | | | | | | | |
| 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; Designed by others in accordance with FBC requirements. | | | | | | | | |
| Underlayment: | Installed in accordance with FBC requirements. | | | | | | | | |
| Panel: | Min. 28ga. steel Cedar Creek™ Shake or North Ridge™ Slate | | | | | | | | |
| Panel Attachment: | Metal Panel shall be installed as shown with seven (7) #10 x minimum 1 1/2-inch Master Gripper HWH screws along the fastening flange beginning 2-inches from the edge and approximately 7 3/4-inch o.c. thereafter. Panels are installed in courses by interlocking the headlap and sidelap to adjacent panels. Sidelaps are offset a min. 11-inches from the previous course. 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: | -72.5 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 | 49 ft | 32 ft | 22 ft |
| C | 60 ft | 60 ft | 60 ft | 60 ft | 32 ft | 17 ft | NA | NA | NA |
| D | 60 ft | 60 ft | 55 ft | 25 ft | NA | NA | NA | NA | NA |
| Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs | | | | | | | | | |
| B | 60 ft | 60 ft | 60 ft | 60 ft | 41 ft | 26 ft | 17 ft | NA | NA |
| C | 60 ft | 60 ft | 30 ft | 15 ft | NA | NA | NA | NA | NA |
| D | 60 ft | 26 ft | NA |
| Zone 3 for Gable Roofs | | | | | | | | | |
| B | 60 ft | 60 ft | 41 ft | 24 ft | 15 ft | NA | NA | NA | NA |
| C | 36 ft | 16 ft | 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 Error! Bookmark not defined. 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 3 – Cedar Creek™ Shake or North Ridge™ Slate | | | | | | | | | |
|---|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Slope: | 3:12 or greater | | | | | | | | |
| 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; Designed by others in accordance with FBC requirements. | | | | | | | | |
| Underlayment: | Installed in accordance with FBC requirements. | | | | | | | | |
| Panel: | Min. 26ga. steel Cedar Creek™ Shake or North Ridge™ Slate | | | | | | | | |
| Panel Attachment: | Metal Panel shall be installed as shown with seven (7) #10 x minimum 1 1/2-inch QuikGrip Metal2Wood HWH screws along the fastening flange beginning 2-inches from the edge and approximately 7 3/4-inch o.c. thereafter. Panels are installed in courses by interlocking the headlap and sidelap to adjacent panels. Sidelaps are offset a min. 11-inches from the previous course. 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: | -90 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 | 50 ft |
| C | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 51 ft | 29 ft | 17 ft | NA |
| D | 60 ft | 60 ft | 60 ft | 60 ft | 41 ft | 20 ft | NA | NA | NA |
| Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs | | | | | | | | | |
| B | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 59 ft | 38 ft | 25 ft | 17 ft |
| C | 60 ft | 60 ft | 60 ft | 44 ft | 23 ft | NA | NA | NA | NA |
| D | 60 ft | 60 ft | 38 ft | 17 ft | NA | NA | NA | NA | NA |
| Zone 3 for Gable Roofs | | | | | | | | | |
| B | 60 ft | 60 ft | 60 ft | 55 ft | 34 ft | 21 ft | NA | NA | NA |
| C | 60 ft | 48 ft | 23 ft | NA | NA | NA | NA | NA | NA |
| D | 47 ft | 19 ft | NA |
| 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 Error! Bookmark not defined. 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 – Cedar Creek™ Shake or North Ridge™ Slate

| | |
|-------------------|--|
| Slope: | 3:12 or greater |
| 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; Designed by others in accordance with FBC requirements. |
| Underlayment: | Installed in accordance with FBC requirements. |
| Panel: | Min. 26ga. steel Cedar Creek™ Shake or North Ridge™ Slate |
| Panel Attachment: | Metal Panel shall be installed as shown with thirteen (13) #10 x minimum 1 1/2-inch QuikGrip Metal2Wood HWH screws along the fastening flange beginning 2-inches from the edge and approximately 3 7/8-inch o.c. thereafter. Panels are installed in courses by interlocking the headlap and sidelap to adjacent panels. Sidelaps are offset a min. 11-inches from the previous course. 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: | -112.5 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 | 51 ft | 31 ft |
| D | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 38 ft | 20 ft | NA |
| Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs | | | | | | | | | |
| B | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 59 ft | 40 ft |
| C | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 39 ft | 22 ft | NA | NA |
| D | 60 ft | 60 ft | 60 ft | 60 ft | 30 ft | 15 ft | NA | NA | NA |
| Zone 3 for Gable Roofs | | | | | | | | | |
| B | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 49 ft | 32 ft | 21 ft | 15 ft |
| C | 60 ft | 60 ft | 60 ft | 35 ft | 18 ft | NA | NA | NA | NA |
| D | 60 ft | 60 ft | 29 ft | NA | NA | NA | NA | NA | NA |

Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on 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 **Error! Bookmark not defined.** 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.

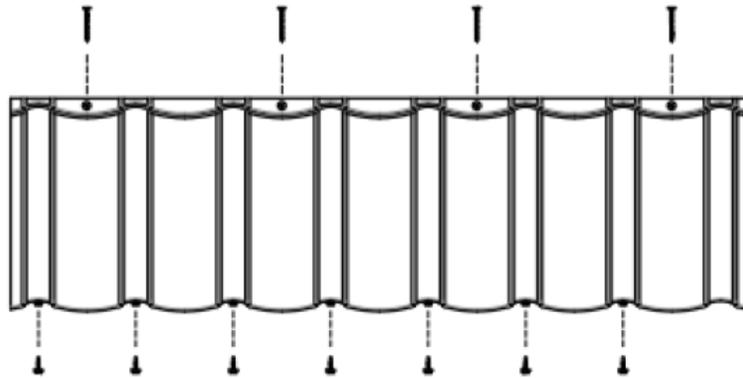


| System 5 – Coastal Wave™ | | | | | | | | | |
|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Slope: | 3:12 or greater | | | | | | | | |
| Roof Deck: | Solid or closely fitted min. 15/32-inch, 32/16 span rated, 4-ply, CDX plywood sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements. | | | | | | | | |
| Underlayment: | Installed in accordance with FBC requirements. | | | | | | | | |
| Panel: | Min. 28ga. steel Coastal Wave™ | | | | | | | | |
| Panel Attachment: | Metal Panel shall be installed as shown with seven (7) #10 x minimum 2 1/2-inch Master Gripper pancake head screws, Type A point, at each low rib along the back shelf of the panel, approximately 7 1/4-inch o.c.. Panels shall then be stitched through the nose at the high rib with seven (7) #8 x 3/4-inch Master Drillers HWH screws with EPDM sealing washer beginning at the side lap and spaced approximately 7 1/4-inch o.c.. Sidelaps are offset a min. 14 1/2-inches from the previous course. 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: | -112.5 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 | 51 ft | 31 ft |
| D | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 38 ft | 20 ft | NA |
| Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs | | | | | | | | | |
| B | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 59 ft | 40 ft |
| C | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 39 ft | 22 ft | NA | NA |
| D | 60 ft | 60 ft | 60 ft | 60 ft | 30 ft | 15 ft | NA | NA | NA |
| Zone 3 for Gable Roofs | | | | | | | | | |
| B | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 49 ft | 32 ft | 21 ft | 15 ft |
| C | 60 ft | 60 ft | 60 ft | 35 ft | 18 ft | NA | NA | NA | NA |
| D | 60 ft | 60 ft | 29 ft | NA | NA | NA | NA | NA | NA |
| Notes: 1) Exposure category for the structure location shall be as defined in the Florida Building Code 2) Limitations are based on 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 Error! Bookmark not defined. 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 – Coastal Wave™

| | |
|-------------------|---|
| Slope: | 3:12 or greater |
| 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; Designed by others in accordance with FBC requirements. |
| Underlayment: | Installed in accordance with FBC requirements. |
| Panel: | Min. 28ga. steel Coastal Wave™ |
| Panel Attachment: | Metal Panel shall be installed as shown with four (4) #10 x minimum 2 1/2-inch Master Gripper pancake head screws, Type A point, at each low rib along the back shelf of the panel, approximately 14 1/2-inch o.c.. Panels shall then be stitched through the nose at the high rib with seven (7) #8 x 3/4-inch Master Drillers HWH screws with EPDM sealing washer beginning at the side lap and spaced approximately 7 1/4-inch o.c.. Sidelaps are offset a min. 14 1/2-inches from the previous course. 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: | -67.5 psf <i>Pressure calculated using 2:1 margin of safety</i> |
|---------------------------|---|

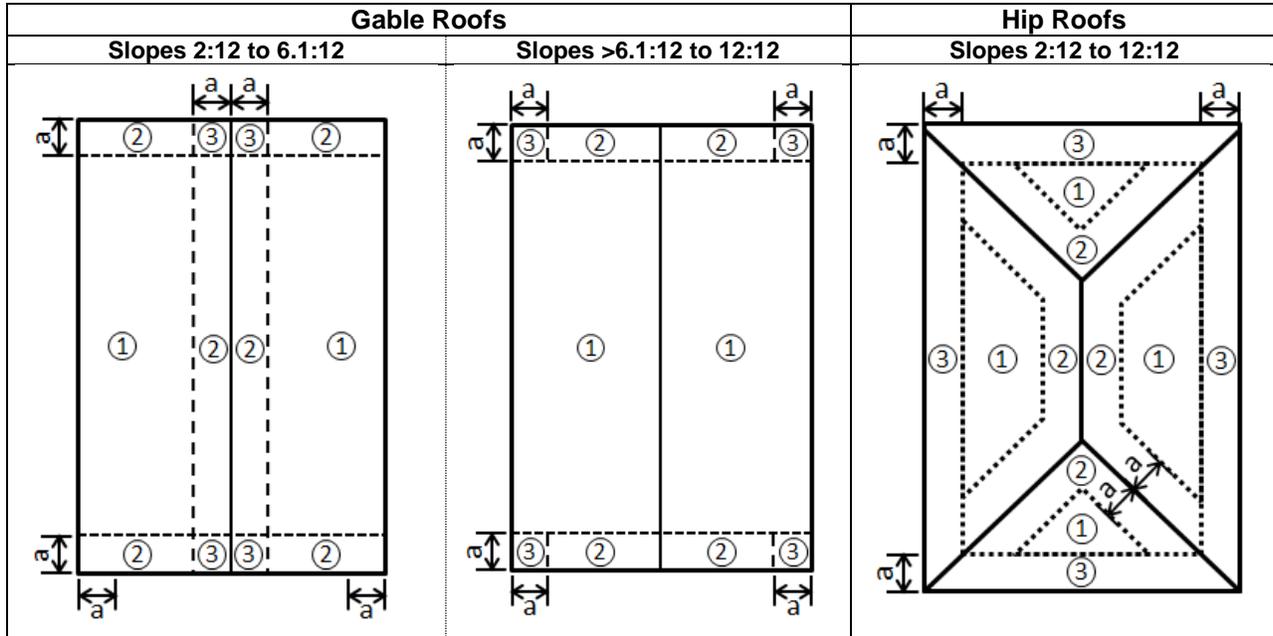
Maximum Mean Roof Heights
Slopes 2:12 – 12:12

| 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 | 57 ft | 37 ft | 25 ft | 17 ft |
| C | 60 ft | 60 ft | 60 ft | 42 ft | 22 ft | NA | NA | NA | NA |
| D | 60 ft | 60 ft | 36 ft | 16 ft | NA | NA | NA | NA | NA |
| Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs | | | | | | | | | |
| B | 60 ft | 60 ft | 60 ft | 52 ft | 32 ft | 20 ft | NA | NA | NA |
| C | 60 ft | 44 ft | 21 ft | NA | NA | NA | NA | NA | NA |
| D | 43 ft | 17 ft | NA |
| Zone 3 for Gable Roofs | | | | | | | | | |
| B | 60 ft | 54 ft | 31 ft | 18 ft | NA | NA | NA | NA | NA |
| C | 25 ft | 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 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 **Error! Bookmark not defined.** 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 7 – Coastal Wave™ | | | | | | | | | |
|---|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Slope: | 3:12 or greater | | | | | | | | |
| Roof Deck: | Solid or closely fitted min. 7/16-inch OSB sheathing for new and existing construction at max. 24-inch span; Designed by others in accordance with FBC requirements. | | | | | | | | |
| Underlayment: | Installed in accordance with FBC requirements. | | | | | | | | |
| Panel: | Min. 28ga. steel Coastal Wave™ | | | | | | | | |
| Panel Attachment: | Metal Panel shall be installed as shown with seven (7) #10 x minimum 2 1/2-inch Master Gripper pancake head screws, Type A point, at each low rib along the back shelf of the panel, approximately 7 1/4-inch o.c.. Panels shall then be stitched through the nose at the high rib with seven (7) #8 x 3/4-inch Master Drillers HWH screws with EPDM sealing washer beginning at the side lap and spaced approximately 7 1/4-inch o.c.. Sidelaps are offset a min. 14 1/2-inches from the previous course. 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: | -82.5 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 | 53 ft | 36 ft |
| C | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 33 ft | 19 ft | NA | NA |
| D | 60 ft | 60 ft | 60 ft | 52 ft | 25 ft | NA | NA | NA | NA |
| Zone 2 for Gable Roofs and Zones 2 & 3 for Hip Roofs | | | | | | | | | |
| B | 60 ft | 60 ft | 60 ft | 60 ft | 60 ft | 43 ft | 28 ft | 18 ft | NA |
| C | 60 ft | 60 ft | 57 ft | 29 ft | 15 ft | NA | NA | NA | NA |
| D | 60 ft | 55 ft | 23 ft | NA | NA | NA | NA | NA | NA |
| Zone 3 for Gable Roofs | | | | | | | | | |
| B | 60 ft | 60 ft | 60 ft | 39 ft | 24 ft | 15 ft | NA | NA | NA |
| C | 60 ft | 31 ft | 15 ft | NA | NA | NA | NA | NA | NA |
| D | 29 ft | NA |
| 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 Error! Bookmark not defined. 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. This report is not for use in the HVHZ.
2. Fire classification is not within the scope of this evaluation.
3. The roof deck and the roof deck attachment shall be designed by others to meet the minimum design loads established for components and cladding and in accordance with FBC requirements.
4. Roof slope shall be in accordance with FBC Section 1507.4.2.
5. Reroofing shall be in accordance with FBC Section 1511. Recovery versus replacement shall be evaluated in accordance with FBC Section 1511.3.
6. 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.
7. 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, 8th Edition (2023) 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 10/12/2023.

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

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