CREEK
TECHNICAL SERVICES, LLC

Registry No. 29824
17520 Edinburgh Dr
Tampa, FL 33647
(813) 480-3421

EVALUATION REPORT

FLORIDA BUILDING CODE, 8TH EDITION (2023)

Issued October 12, 2023

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

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) High-Velocity Hurricane Zones (HVHZ)
Code Sections: 1518.9.1, 1523.1.1, 1523.6.5, 1523.6.5.2.4, 1523.6.5.2.4.1
Properties: Wind Resistance

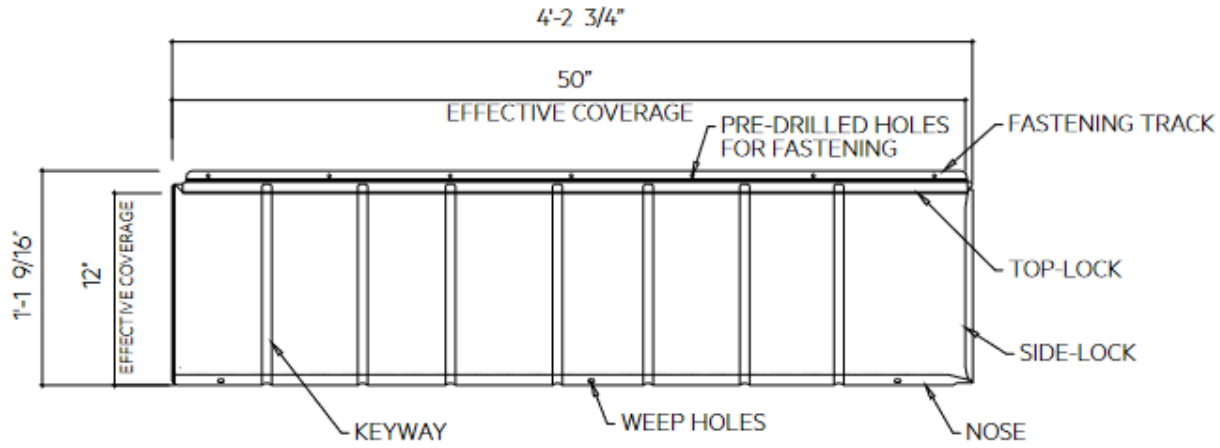
REFERENCES

Entity	Report No.	Standard	Year
PRI Construction Materials Technologies (TST5878)	2362T0001	ASTM B 117	2016
PRI Construction Materials Technologies (TST5878)	2362T0007.1	UL 580	2006
		UL 1897	2015
		TAS 125	2003
PRI Construction Materials Technologies (TST5878)	2362T0012	UL 580	2006
		UL 1897	2015
		TAS 125	2003
PRI Construction Materials Technologies (TST5878)	2362T0013	TAS 100	2023
Intertek	103884899COQ-004	ASTM E 108	2017
Intertek	103884899COQ-005A	ASTM E 108	2017
		ASTM G 155	2013
Intertek	103884899COQ-005A	TAS 100	2023

PRODUCT DESCRIPTION

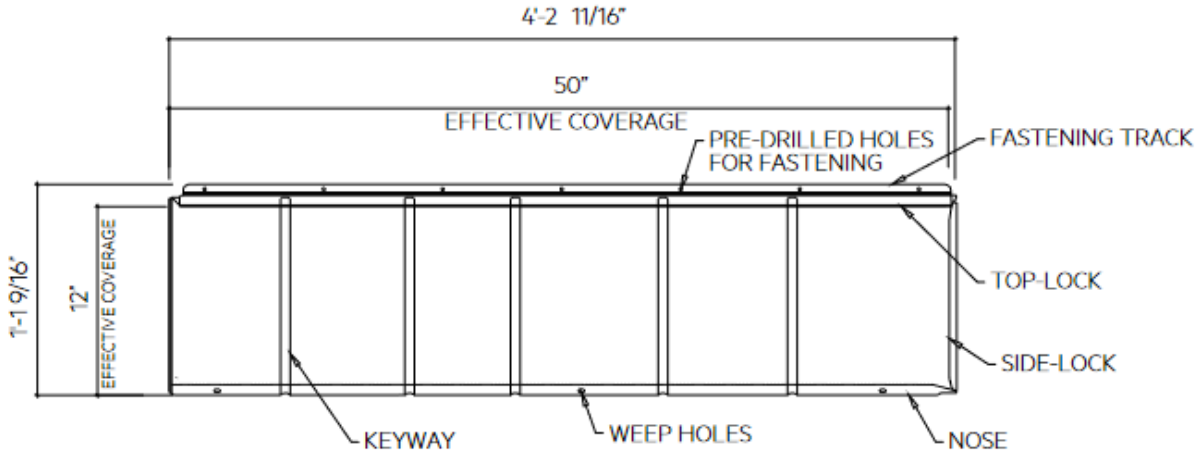
Cedar Creek™ Shake

Profile: Shake roof facsimile; Concealed fasteners
Description: Non-structural, preformed, fastened steel panels
Material: Min. 26 ga. steel, PVDF coated, ASTM A792 AZ50 Grade 33; Shall conform with FBC Section 1507.4.3



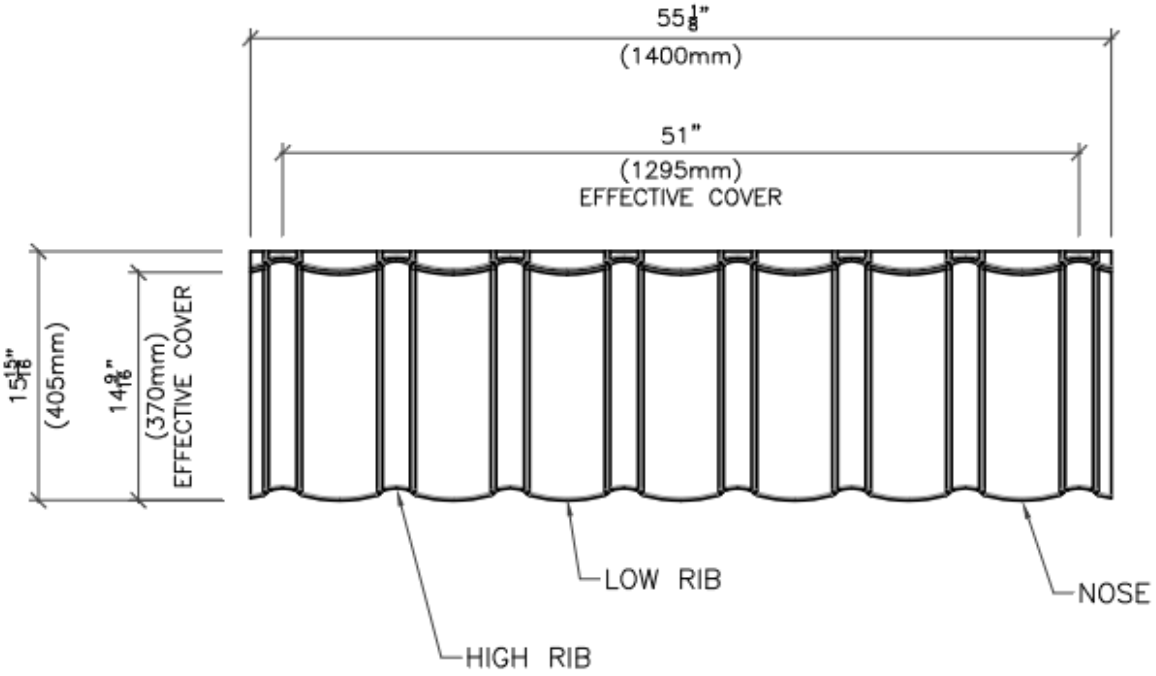
North Ridge™ Slate

Profile: Slate roof facsimile; Concealed fasteners
Description: Non-structural, preformed, fastened steel panels
Material: Min. 26 ga. steel, PVDF coated, ASTM A792 AZ50 Grade 33; Shall conform with FBC Section 1507.4.3

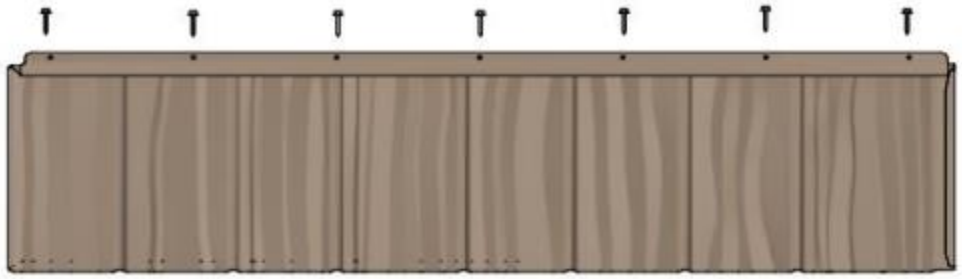


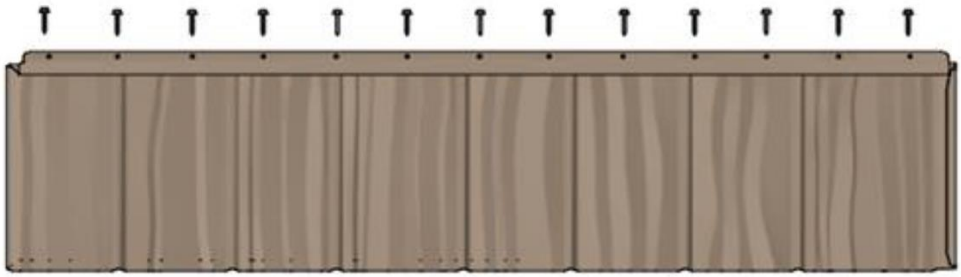
Coastal Wave™

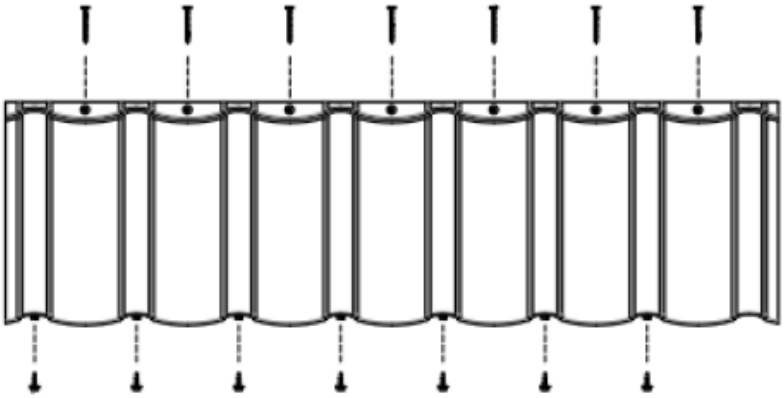
Profile: Tile roof facsimile
Description: Non-structural, preformed, fastened steel panels
Material: Min. 26 ga. steel, PVDF coated ASTM A792 AZ50 Grade 33; Shall conform with FBC Section 1507.4.3

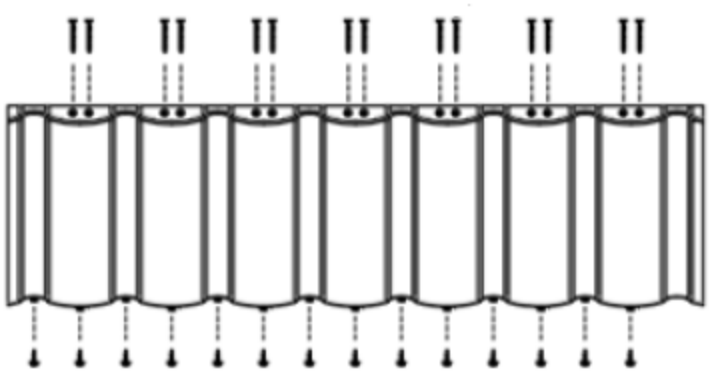


APPROVED ASSEMBLIES

System 1 – Cedar Creek™ Shake or North Ridge™ Slate	
Slope:	3:12 or greater
Roof Deck:	Solid or closely fitted min. 19/32-inch, 40/20 span rated, CDX plywood sheathing for new construction at max. 24-inch span. Existing construction shall be min. 15/32-inch plywood sheathing at max. 24-inch span; In no case shall the attachment be less than 8d ring shank nails spaced 6-inch o.c.; Designed by others in accordance with FBC requirements.
Underlayment:	The minimum underlayment shall be SOPREMA® LASTOBOND PRO HT-N self-adhered to ASTM D 226, Type II organic felt 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 3 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" and shall comply with section 1506.6 and 1507.4.4.
	
Maximum Design Pressures:	**-90 psf** *Pressure calculated using 2:1 margin of safety*

System 2 – Cedar Creek™ Shake or North Ridge™ Slate	
Slope:	3:12 or greater
Roof Deck:	Solid or closely fitted min. 19/32-inch, 40/20 span rated, CDX plywood sheathing for new construction at max. 24-inch span. Existing construction shall be min. 15/32-inch plywood sheathing at max. 24-inch span; In no case shall the attachment be less than 8d ring shank nails spaced 6-inch o.c.; Designed by others in accordance with FBC requirements.
Underlayment:	The minimum underlayment shall be SOPREMA® LASTOBOND PRO HT-N self-adhered to ASTM D 226, Type II organic felt 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 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" and shall comply with section 1506.6 and 1507.4.4.
	
Maximum Design Pressures:	**-112.5 psf** *Pressure calculated using 2:1 margin of safety*

System 3 – Coastal Wave™	
Slope:	3:12 or greater
Roof Deck:	Solid or closely fitted min. 19/32-inch, 40/20 span rated, CDX plywood sheathing for new construction at max. 24-inch span. Existing construction shall be min. 15/32-inch plywood sheathing at max. 24-inch span; In no case shall the attachment be less than 8d ring shank nails spaced 6-inch o.c.; Designed by others in accordance with FBC requirements.
Underlayment:	The minimum underlayment shall be ASTM D 226, Type II organic felt or *Approved* underlayments in accordance with FBC requirements.
Panel:	Min. 26ga. 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 one-half panel width from the previous course. Fasteners shall penetrate through the deck a minimum 3/8" and shall comply with section 1506.6 and 1507.4.4.
	
Maximum Design Pressures:	**-82.25 psf** *Pressure calculated using 2:1 margin of safety*

System 4 – Coastal Wave™	
Slope:	3:12 or greater
Roof Deck:	Solid or closely fitted min. 19/32-inch, 40/20 span rated, CDX plywood sheathing for new construction at max. 24-inch span. Existing construction shall be min. 15/32-inch plywood sheathing at max. 24-inch span; In no case shall the attachment be less than 8d ring shank nails spaced 3-inch o.c.; Designed by others in accordance with FBC requirements.
Underlayment:	The minimum underlayment shall be ASTM D 226, Type II organic felt or *Approved* underlayments in accordance with FBC requirements.
Panel:	Min. 26ga. steel Coastal Wave™
Panel Attachment:	Metal Panel shall be installed as shown with fourteen (14) #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, two (2) screws at each location, 3-inch apart approximately 7 1/4-inch o.c.. Panels shall then be stitched through the nose at the high rib with fourteen (14) #8 x 3/4-inch Master Drillers HWH screws with EPDM sealing washer beginning at the side lap and spaced approximately 3 1/2-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" and shall comply with section 1506.6 and 1507.4.4.
	
Maximum Design Pressures:	**-153.5 psf** *Pressure calculated using 2:1 margin of safety*

LIMITATIONS

1. This report is not for use outside the HVHZ.
2. Fire classification is not within the scope of this evaluation.
3. The roof deck and the roof deck attachment information are provided based on testing. FBC requirements for the rational design of the roof deck, including the attachment, are not within the scope of this evaluation.
4. Reroofing shall be in accordance with FBC Section 1521.
5. Installation of the evaluated products shall comply with this report, RAS 133 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

The products evaluated herein by Zachary R. Priest, P.E. have demonstrated compliance with the Florida Building Code, 8th Edition (2023) 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 10/12/2023.

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
2023.10.12 16:20:08 -04'00'

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