



EVALUATION REPORT

FLORIDA BUILDING CODE 8TH EDITION (2023)

Manufacturer: ARCHITECTURAL METAL FLASHINGS, LLC
2659 NE 9th Avenue
Cape Coral, FL 33909
(239) 994-5873

Manufacturing: Cape Coral, FL

Quality Assurance: PRI Construction Materials Technologies (QUA9110)

Issued June 4, 2025

SCOPE

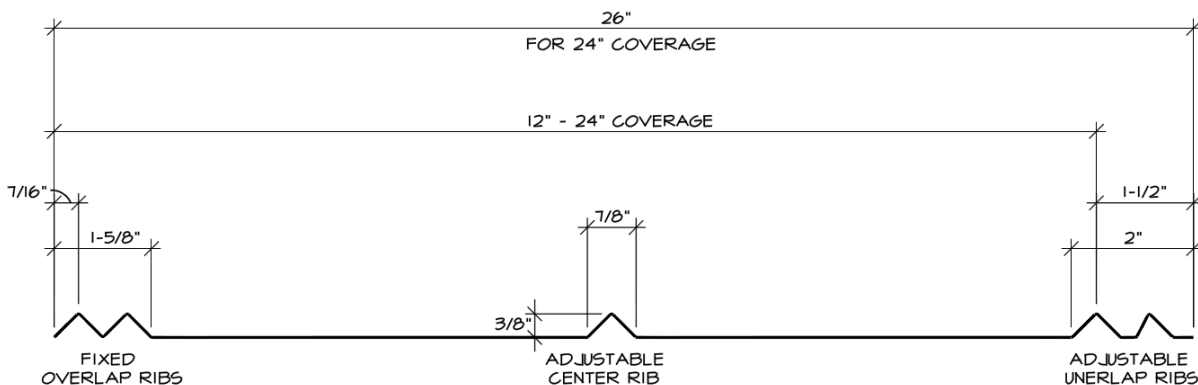
Category: Roofing
Subcategory: Metal Roofing
Code Sections: 1504.3
Properties: Wind Resistance

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
PRI Construction Materials Technologies (TST5878)	SBA-005-02-01	UL 1897	2015
PRI Construction Materials Technologies (TST5878)	SBA-005-02-01	UL 580	2006

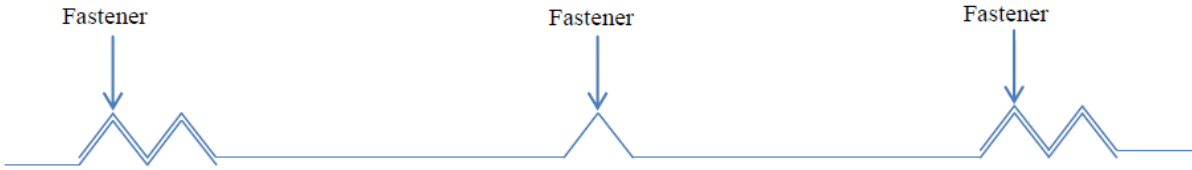
PRODUCT DESCRIPTION

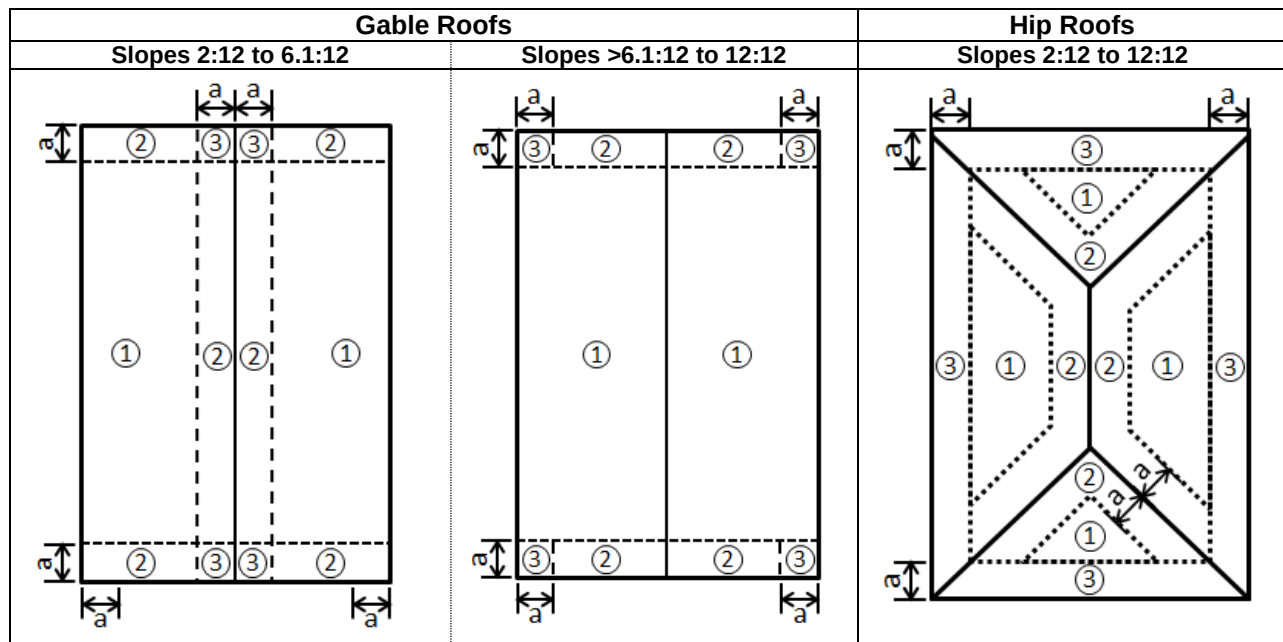
Panel: 5V Crimp Panel
Description: Preformed panel; 3/8-inch rib; Maximum 24-inch coverage
Material: 26 ga. ASTM A792 AZ50, ASTM A653 G-90, or ASTM A 755 steel (F_y = min. 50 ksi);
24 ga. ASTM A792 AZ50, ASTM A653 G-90, or ASTM A 755 steel (F_y = min. 50 ksi);
Shall conform with FBC Section 1507.4.3



5V Crimp Panel Dimensions

APPROVED ASSEMBLIES

System 5V-S-1: 5V Crimp Panel (26 ga. or 24 ga. steel)									
Slope:		Shall be in accordance with FBC Section 1507.4.2.							
Roof Deck:		Minimum 15/32-inch 32/16 span rated, 4-ply, CDX plywood sheathing or wood plank for new and existing roof deck. Deck shall be designed by others in accordance with FBC requirements.							
Underlayment:		Installed in accordance with FBC Section 1507.1.1.							
Attachment:		One (1) #10-16 x 1.5” HWH wood screw with 0.5” diameter sealing washers spaced 12 in. o.c. along the panel seam at the outside rib and 12 in. o.c. along the center rib of the 5V. Fasteners shall penetrate the deck a minimum 3/8-inch and shall conform with FBC section 1507.4.4 and 1506.6.							
Maximum Design Pressures:		-112.5 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</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	50 ft	30 ft
D	60 ft	60 ft	60 ft	60 ft	60 ft	60 ft	39 ft	21 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	55 ft	38 ft	26 ft
C	60 ft	60 ft	60 ft	60 ft	42 ft	24 ft	NA	NA	NA
D	60 ft	60 ft	60 ft	36 ft	17 ft	NA	NA	NA	NA
Zone 3 for Gable Roofs									
B	60 ft	60 ft	60 ft	60 ft	60 ft	45 ft	30 ft	20 ft	15 ft
C	60 ft	60 ft	60 ft	34 ft	18 ft	NA	NA	NA	NA
D	60 ft	60 ft	30 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 3 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. Reroofing shall be in accordance with FBC Section 1511.
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

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 6/4/2025.

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

2025.06.04
10:43:00
-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