



EVALUATION REPORT

FLORIDA BUILDING CODE 8TH EDITION (2023)

Manufacturer: METAL ROOF SOURCE
1000 Charles Street
Longwood, FL
(321) 377-0077
Issued September 13, 2023

Manufacturing: Longwood, FL

Quality Assurance: PRI Construction Materials Technologies (QUA9110)

SCOPE

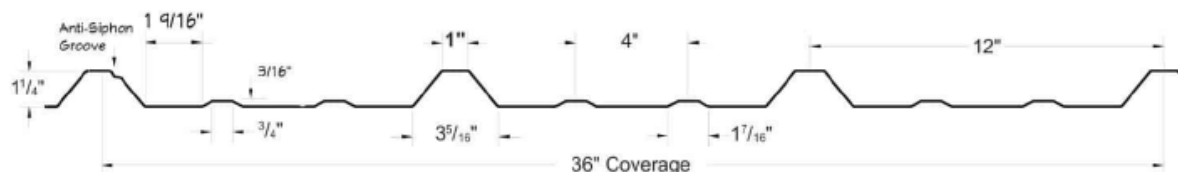
Category: Roofing
Subcategory: Metal Roofing
Code Edition: Florida Building Code, 8th Edition (2023)
Code Sections: 1504.3, 1504.7
Properties: Wind Resistance

REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
PRI Construction Materials Technologies (TST5878)	2437T0001	ASTM E 1592	2005(2017)
PRI Construction Materials Technologies (TST5878)	2437T0002	FM 4471	1992
		FM4470	2016
PRI Construction Materials Technologies (TST5878)	2437T0006	ASTM E 1592	2005(2017)
PRI Construction Materials Technologies (TST5878)	2437T0007	FM 4471	1992
		FM4470	2016

PRODUCT DESCRIPTION

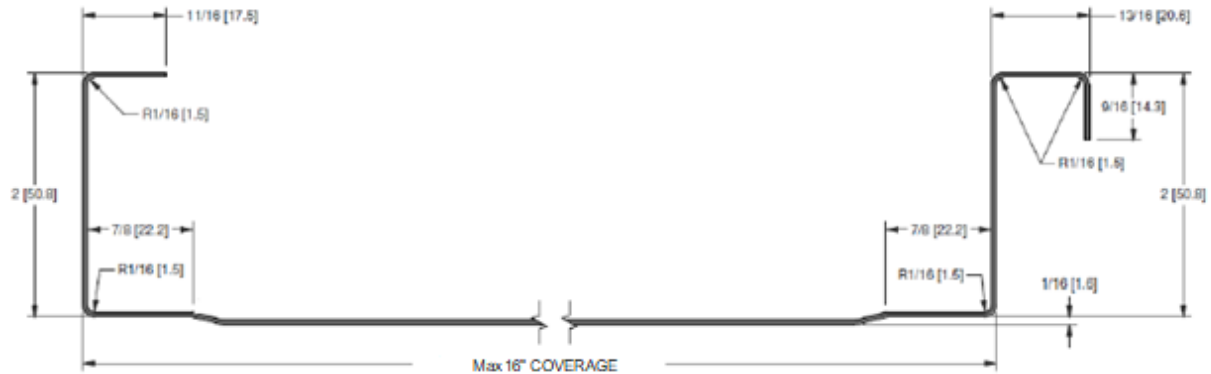
Panel: 26 ga. PBR
Description: Preformed panel; 1.25-inch rib; Maximum 36-inch coverage
Material: Min. 26 ga. ASTM A792 AZ55, Grade 80 steel;
Shall conform with FBC Section 1507.4.3



PBR Dimensions



Panel: 24 ga. 2" Mechanical Lock
Description: Preformed panel; 2-inch standing seam; Maximum 16-inch coverage
Material: Min. 24 ga. ASTM A792 AZ55, Grade 50 steel;
Shall conform with FBC Section 1507.4.3

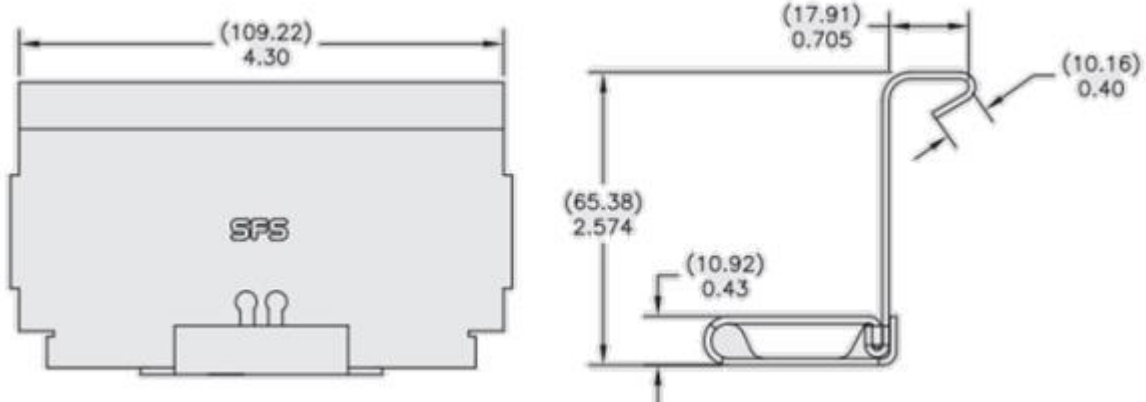


2" Mechanical Lock Dimensions

APPROVED ASSEMBLIES

System S-1: PBR	
Slope:	Shall be in accordance with FBC Section 1507.4.2.
Purlins:	Minimum 16 ga., ASTM A653 steel purlins spaced maximum 60-inch o.c. Purlins shall be designed by others in accordance with FBC requirements.
Attachment:	#12-14 x minimum 1.25-inch ZAC Impax SD3 self-drilling screw secured across the panel width at each purlin with the fastening pattern shown below. Panel side laps are fastener 30-inch o.c. with 1/4"-14 x 7/8" DP1 ZAC Impax Lap screws. Fasteners shall penetrate through the purlin a minimum 3/4-inch and shall conform to FBC section 1507.4.4 and 1506.6.
Maximum Design Pressures:	-45 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>



System S-2: 2" Mechanical Lock	
Slope:	Shall be in accordance with FBC Section 1507.4.2.
Purlins:	Minimum 16 ga., ASTM A653 steel purlins spaced maximum 60-inch o.c. Purlins shall be designed by others in accordance with FBC requirements.
Attachment:	2" Float Clips installed with two (2) 1/4-14 x minimum 1.25-inch Impax HWH SD2 self-drilling screws per clip at each purlin. Panel mechanically seamed with 180° lock. Fasteners shall penetrate through the purlin a minimum 3/4-inch and shall conform to FBC section 1507.4.4 and 1506.6.
Maximum Design Pressures:	+45 psf/-22.5 psf <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>
 2" Float Clips – 16 ga., G-90 galvanized steel base with 22 ga. G90 steel tab; SFS Intec	

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 systems are evaluated for wind resistance as non-structural roof cladding only. Where structural applications are desired, Chapter 16 structural load evaluations shall be provided by a licensed design professional to the satisfaction of the Authority Having Jurisdiction.
5. Reroofing shall be in accordance with FBC Section 1511.
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 9/13/2023.

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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