



EVALUATION REPORT

FLORIDA BUILDING CODE 8TH EDITION (2023)

Manufacturer: SHEFFIELD METALS INTERNATIONAL
5467 Evergreen Parkway
Sheffield Village, OH 44054
(800) 283-5262
www.sheffieldmetals.com

Issued April 2, 2025

Quality Assurance: Keystone Certifications, Inc. (QUA1824)

SCOPE

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

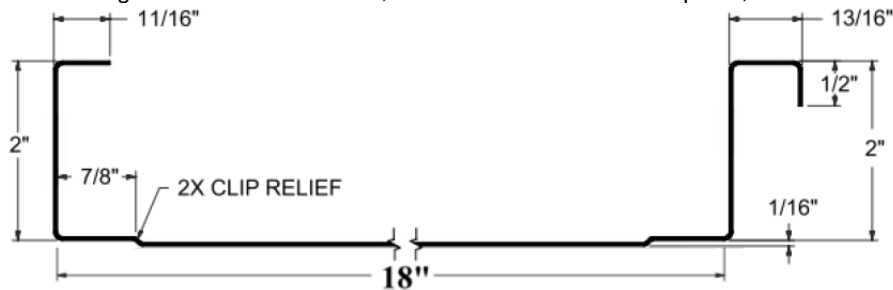
REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
Architectural Testing (TST4311)	B5170.20-450-18	ASTM E 1592	2005(2017)
Architectural Testing (TST4311)	B5170.22-450-18	FM 4471	1992
Farabaugh Engineering and Testing, Inc. (TST1654)	T270-24	ASTM E 1592	2005(2017)

PRODUCT DESCRIPTION

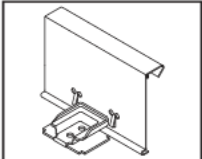
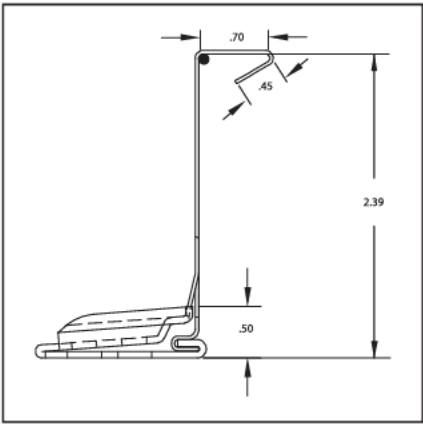
SMI 2" Mechanical Seam

Profile: 2.0 in. mechanical seam; Max. 18 in. coverage
Description: Non-structural, mechanical lock standing seam roof panel
Material: Min. 24ga. ASTM A792 AZ steel, Grade 50 coated with Fluoropon®;

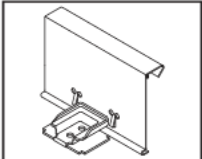
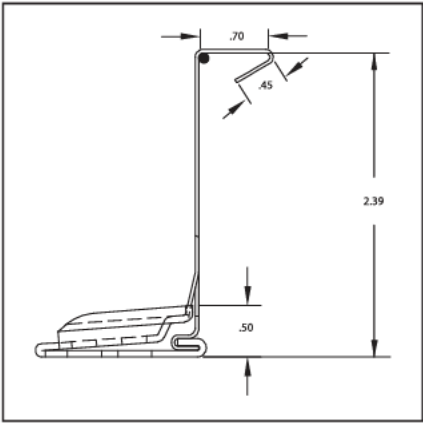




APPROVED ASSEMBLIES

System 1: 24ga. SMI 2" Mechanical Seam – Max. 18-inch coverage		
Slope:	Shall be in accordance with FBC Section 1507.4.2.	
Purlins:	Minimum 16 ga., steel purlins spaced at maximum distance stated in the table below for the desired Maximum Design Pressure. 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 3/8-inch #2 point Weather Gard self-drilling hex head 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: <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>	Maximum Purlin Spacing	Maximum Design Pressure
	60-inch o.c	-37.5 psf
	12-inch o.c.	-105 psf
<div style="display: flex; align-items: center; justify-content: center;">   </div> <p style="text-align: center;"> Float Clip 2" – 2.39" height x 4.3" width Base: 16ga. G-90 Galv. Tab: 22 ga. G-90 Galv. (SFS Intec Part No. 753279 or M0413-MOD) </p>		



System 2: 22ga. SMI 2" Mechanical Seam – Max. 16-inch coverage		
Slope:	Shall be in accordance with FBC Section 1507.4.2.	
Purlins:	Minimum 16 ga., steel purlins spaced at maximum distance stated in the table below for the desired Maximum Design Pressure. 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 1/4-inch Tek 3 self-drilling hex head 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: <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>	Maximum Purlin Spacing	Maximum Design Pressure
	60-inch o.c.	-44.25 psf
	12-inch o.c.	-127.5 psf
<div style="display: flex; align-items: center; justify-content: center;">   </div> <p style="text-align: center;"> Float Clip 2" – 2.39" height x 4.3" width Base: 16ga. G-90 Galv. Tab: 22 ga. G-90 Galv. (SFS Intec Part No. 753279 or M0413-MOD) </p>		

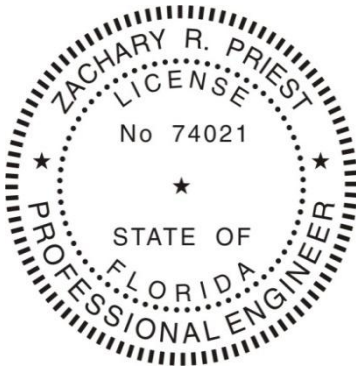


LIMITATIONS

1. This report is not for use in the HVHZ.
2. Fire classification is not within the scope of this evaluation.
3. The purlins 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

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 4/2/2025.**

**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