



EVALUATION REPORT

FLORIDA BUILDING CODE 9TH EDITION (2026)

Manufacturer: DREXEL METALS, INC.
1234 Gardiner Lane
Louisville, KY 40213
(502) 716-7143
www.drexmet.com

Issued August 11, 2026

Manufacturing: Drexel Metals Association of Regional Manufacturers (DM-ARM)

Quality Assurance: Architectural Testing, Inc., An Intertek Company (QUA1844)

SCOPE

Category: Roofing
Subcategory: Metal Roofing
Code Edition: Florida Building Code, 9th Edition (2026) Non-HVHZ
Code Sections: 1504.3, 1504.7
Properties: Wind Resistance

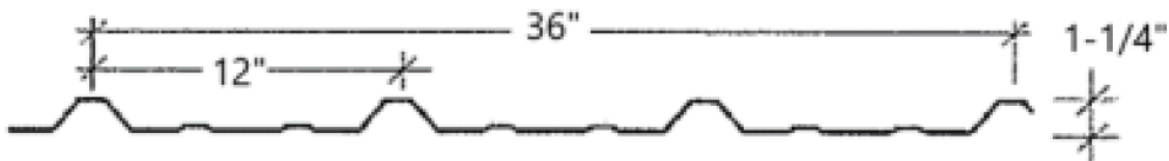
REFERENCES

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>	<u>Year</u>
Farabaugh Engineering and Testing Inc. (TST1654)	T170-08-DM	ASTM E 1592	2005(2017)
Farabaugh Engineering and Testing Inc. (TST1654)	T171-08-DM	ASTM E 1592	2005(2017)
Farabaugh Engineering and Testing Inc. (TST1654)	T175-08-DM	ASTM E 1592	2005(2017)
Farabaugh Engineering and Testing Inc. (TST1654)	T176-08-DM	ASTM E 1592	2005(2017)
PRI Construction Materials Technologies (TST5878)	282T0017	FM 4471	1992

PRODUCT DESCRIPTION

R-36 Panel

Profile: 1 1/4-inch ribs at 12-inches o.c.; Maximum 36 in. coverage
Description: Non-structural, through fastened roof panel
Material: Nominal 0.032 in. Aluminum (Min. 0.0302 in.; F_y = min. 19 ksi)
Nominal 0.040 in. Aluminum (Min. 0.0380 in.; F_y = min. 20 ksi)
Nominal 24 ga. steel (Min. 0.0212 in.; F_y = min. 51 ksi);
Nominal 22 ga. steel (Min. 0.0299 in.; F_y = min. 53 ksi);
Shall conform with FBC Section 1507.4.3



APPROVED ASSEMBLIES
System 1: 0.032" Al R-36

Slope:	Shall be in accordance with FBC Section 1507.4.2.	
Purlins:	Minimum 16 ga., steel purlins spaced at maximum span stated in the table below for the desired Maximum Design Pressure. Purlins shall be designed by others in accordance with FBC requirements.	
Attachment:	#12-14 x min. 1-inch Self Drill HWH screws with 0.55-inch diameter sealing washer shall be installed across the width of the panel adjacent to the rib at each purlin as shown below. Panel side laps shall be stitched with #12-14 x 3/4-inch Stitch HWH screws with 0.55-inch diameter sealing washer a maximum of 12-inch o.c. as shown below. Fasteners shall penetrate through the purlin min. 3/4-inch and shall be corrosion resistant in accordance with section 1507.4.4 and 1506.6.	
Maximum Design Pressures: <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>	Maximum Panel Span	Maximum Negative Pressure
	60-inch	-28.9 psf
	24-inch	-143.2 psf
 SUPPORT FASTENERS: #12-14 X 1" SELF DRILL W/ 0.55" DIA SEAL WASHER HEAD SIDELAP FASTENERS: #12-14 X 3/4" SELF DRILL W/ 0.55" DIA SEAL WASHER HEAD		

System 2: 0.040" Al R-36

Slope:	Shall be in accordance with FBC Section 1507.4.2.	
Purlins:	Minimum 16 ga., steel purlins spaced at maximum span stated in the table below for the desired Maximum Design Pressure. Purlins shall be designed by others in accordance with FBC requirements.	
Attachment:	#12-14 x min. 1-inch Self Drill HWH screws with 0.55-inch diameter sealing washer shall be installed across the width of the panel adjacent to the rib at each purlin as shown below. Panel side laps shall be stitched with #12-14 x 3/4-inch Stitch HWH screws with 0.55-inch diameter sealing washer a maximum of 12-inch o.c. as shown below. Fasteners shall penetrate through the purlin min. 3/4-inch and shall be corrosion resistant in accordance with section 1507.4.4 and 1506.6.	
Maximum Design Pressures: <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>	Maximum Panel Span	Maximum Negative Pressure
	60-inch	-49.7 psf
	24-inch	-156.3 psf
 SUPPORT FASTENERS: #12-14 X 1" SELF DRILL W/ 0.55" DIA SEAL WASHER HEAD SIDELAP FASTENERS: #12-14 X 3/4" SELF DRILL W/ 0.55" DIA SEAL WASHER HEAD		



System 3: 24 ga. R-36		
Slope:	Shall be in accordance with FBC Section 1507.4.2.	
Purlins:	Minimum 16 ga., steel purlins spaced at maximum span stated in the table below for the desired Maximum Design Pressure. Purlins shall be designed by others in accordance with FBC requirements.	
Attachment:	#12-14 x min. 1-inch Self Drill HWH screws with 0.55-inch diameter sealing washer shall be installed across the width of the panel adjacent to the rib at each purlin as shown below. Panel side laps shall be stitched with #12-14 x 3/4-inch Stitch HWH screws with 0.55-inch diameter sealing washer a maximum of 12-inch o.c. as shown below. Fasteners shall penetrate through the purlin min. 3/4-inch and shall be corrosion resistant in accordance with section 1507.4.4 and 1506.6.	
Maximum Design Pressures: <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>	Maximum Panel Span	Maximum Negative Pressure
	60-inch	-49.9 psf
	24-inch	-159.1 psf
 SUPPORT FASTENERS: #12-14 X 1" SELF DRILL W/ 0.55" DIA SEAL WASHER HEAD SIDELAP FASTENERS: #12-14 X 3/4" SELF DRILL W/ 0.55" DIA SEAL WASHER HEAD		

System 4: 22 ga. R-36		
Slope:	Shall be in accordance with FBC Section 1507.4.2.	
Purlins:	Minimum 16 ga., ASTM A653 steel purlins spaced at maximum span stated in the table below for the desired Maximum Design Pressure. Purlins shall be designed by others in accordance with FBC requirements.	
Attachment:	#12-14 x min. 1-inch Self Drill HWH screws with 0.55-inch diameter sealing washer shall be installed across the width of the panel adjacent to the rib at each purlin as shown below. Panel side laps shall be stitched with #12-14 x 3/4-inch Stitch HWH screws with 0.55-inch diameter sealing washer a maximum of 12-inch o.c. as shown below. Fasteners shall penetrate through the purlin min. 3/4-inch and shall be corrosion resistant in accordance with section 1507.4.4 and 1506.6.	
Maximum Design Pressures: <i>Pressure calculated using 2:1 margin of safety per 1504.9</i>	Maximum Panel Span	Maximum Negative Pressure
	60-inch	-52.8 psf
	24-inch	-154.1 psf
 SUPPORT FASTENERS: #12-14 X 1" SELF DRILL W/ 0.55" DIA SEAL WASHER HEAD SIDELAP FASTENERS: #12-14 X 3/4" SELF DRILL W/ 0.55" DIA SEAL WASHER HEAD		

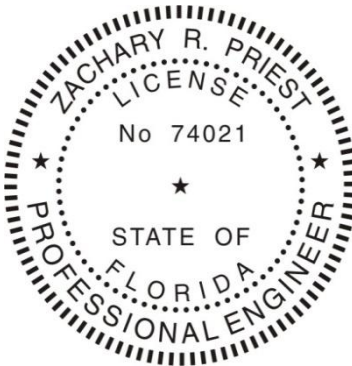


LIMITATIONS

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. FBC Section 1504.3.1.1 is not within the scope of this evaluation. Compliance with FBC Section 1504.3.1.1 shall be established through other approved products.
8. Materials shall conform to FBC Sections 1506 and 1711.
9. 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 8/11/2026.

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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