EVALUATION REPORT

FLORIDA BUILDING CODE, 9TH EDITION (2026)

Issued August 11, 2026

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

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

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

SCOPE

Category: Panel Walls
Subcategory: Siding
Code Edition: Florida Building Code, 9th Edition (2026) Non-HVHZ
Code Sections: 1404.5
Properties: Wind Resistance

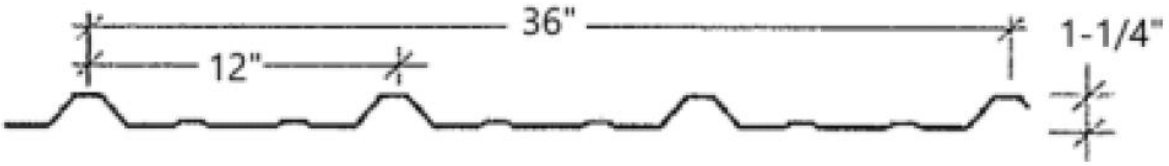
REFERENCES

Entity	Report No.	Standard	Year
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)

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 wall panel over steel girts
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



This evaluation report is provided for State of Florida product approval under Rule 61G20-3. The manufacturer shall notify CREEK Technical Services, LLC of any product changes or quality assurance changes throughout the duration for which this report is valid. This evaluation report does not express nor imply warranty, installation, recommended use, or other product attributes that are not specifically addressed herein.

APPROVED ASSEMBLIES

System 1: 0.032" Al R-36		
Girts:	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: *Pressure calculated using 2:1 margin of safety per 1504.9*	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 X3/4" SELF DRILL W/ 0.55" DIA SEAL WASHER HEAD

System 2: 0.040" Al R-36		
Girts:	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: *Pressure calculated using 2:1 margin of safety per 1504.9*	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 X3/4" SELF DRILL W/ 0.55" DIA SEAL WASHER HEAD

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System 3: 24 ga. R-36		
Girts:	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: *Pressure calculated using 2:1 margin of safety per 1504.9*	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 X3/4" SELF DRILL W/ 0.55" DIA SEAL WASHER HEAD

System 4: 22 ga. R-36		
Girts:	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: *Pressure calculated using 2:1 margin of safety per 1504.9*	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 X3/4" SELF DRILL W/ 0.55" DIA SEAL WASHER HEAD

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LIMITATIONS

1. This report is not for use in the HVHZ.
2. Fire classification is not within the scope of this evaluation.
3. The design wind loads shall be determined by others in accordance Section 1603.1.4 of the FBC.
4. Rational analysis shall be prepared by a qualified deign professional in accordance in with the FBC. Design analysis shall consider web crippling and fastener pullout/pullover in accordance with Section 2210 of the FBC.
5. Diaphragm and axial capacity are not within scope of this evaluation.
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. Fastening components shall conform to FBC Section 1711.
8. 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.

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

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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

This evaluation report is provided for State of Florida product approval under Rule 61G20-3. The manufacturer shall notify CREEK Technical Services, LLC of any product changes or quality assurance changes throughout the duration for which this report is valid. This evaluation report does not express nor imply warranty, installation, recommended use, or other product attributes that are not specifically addressed herein.