

**EVALUATION REPORT OF
METAL SALES MANUFACTURING CORPORATION
'26 GA. R-PANEL OR PBR-PANEL'
FASTENED TO 18 GA. SUPPORTS**

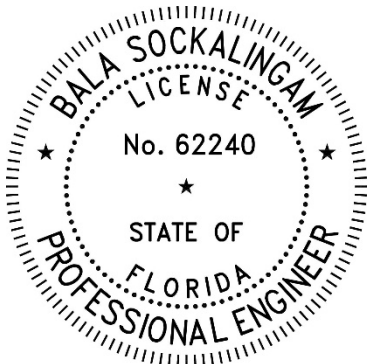
**FLORIDA BUILDING CODE 8TH EDITION (2023)
FLORIDA PRODUCT APPROVAL
FL 47815.2
PANEL WALLS
SIDING**

**Prepared For:
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**This report consists of
Evaluation Report (2 Pages including cover)
Installation Details (1 Page)
Load Span Table (1 Page)**

**Report No. C2952-4
Date: 10.8.2025**



This item has been digitally signed and sealed by Bala Sockalingam, PE, on the date indicated.

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Manufacturer:	Metal Sales Manufacturing Corporation
Product Name:	R-Panel or PBR-Panel
Panel Description:	36" wide coverage with (4) 1.25" high ribs
Materials:	Min. 26 ga., 80 ksi steel or min. 24 ga., 50 ksi steel. Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755) as per FBC 2023 Section 1405.2.
Support Description:	Min. 18 ga., 50 ksi steel section. (Must be designed by others)
Design Uplift Pressure: (Factor of Safety = 2)	39.0 psf at fastener spacing of 60 o.c. (3 or more spans) 133.3 psf at fastener spacing of 24 o.c. (3 or more spans)
Panel Attachment:	#12-14 x 1-1/4" long corrosion resistant self-drilling screws with washer
At panel ends	7"-5"-7" o.c. across panel width
At intermediate	12" o.c. across panel width with two fasteners at each sidelap.
Test Standards:	Wall assembly tested in accordance with ASTM E1592-05(2017) 'Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference'
Code Compliance:	The product described herein has demonstrated compliance with FBC 2023 Section 1404.5.
Product Limitations:	Design wind loads shall be determined for each project in accordance with FBC 2023 Section 1609 or ASCE 7-22 using allowable stress design. The maximum support spacing listed herein shall not be exceeded. The design pressure for reduced support spacing may be computed using rational analysis prepared by a Florida Professional Engineer or based on Metal Sales' load span table. This evaluation report is not applicable in High Velocity Hurricane Zone.
Supporting Documents:	ASTM E1592 Test Reports ENCON Technology Inc. C2944-1, Reporting Date 9/29/2025

METAL SALES MANUFACTURING CORPORATION**Min 26 ga. PBR Panels Fastened to 18 ga. Supports****Allowable Outward Loads**

Description	Fastener Spacing along panel length (in)	Allowable Outward Load (psf)
Coverage width: 36"	18	133.3
	21	114.2
Panel Fasteners	24	100.0
#12-14 x 1.25" long hex head screws with sealed washer	27	88.9
	30	80.0
	33	72.7
Interior Supports:	36	66.6
Panel fasteners spaced at 12" o.c. across panel width with two fasteners at each sidelap.	39	61.5
	42	57.1
	45	53.3
	48	50.0
End Supports:	51	47.0
Panel fasteners spaced at 7"- 5"-7" o.c. across panel width	54	44.4
	57	42.1
	60	39.0

Notes:

1. The bold numbers indicate design loads calculated from test data with safety factor of 2.
2. Panels must be installed as per Evaluation Report FL 47815.2 and Metal Sales current installation procedure.
3. Three or more spans condition.