

**EVALUATION REPORT OF
METAL SALES MANUFACTURING CORPORATION
'26 GA. CLASSIC RIB PANEL'
FASTENED TO 18 GA. SUPPORTS**

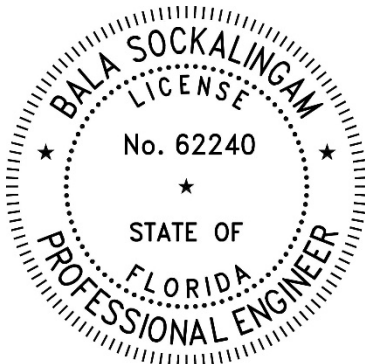
**FLORIDA BUILDING CODE 8TH EDITION (2023)
FLORIDA PRODUCT APPROVAL
FL 47815.1
PANEL WALLS
SIDING**

**Prepared For:
Metal Sales Manufacturing Corporation
7800 Highway 60
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**Prepared By:
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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. C2952-3
Date: 10.8.2025**

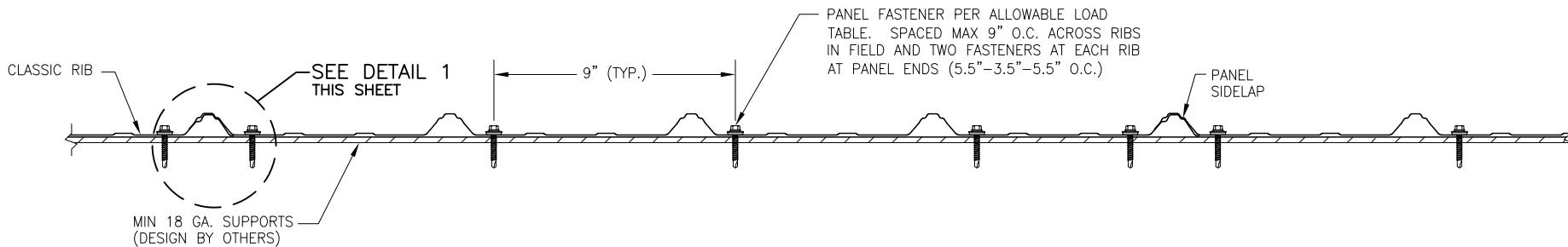


This item has been digitally signed and sealed by Bala Sockalingam, PE, on the date indicated.

Printed copies of this document are not considered signed and sealed and this signature must be verified on any electronic copies.

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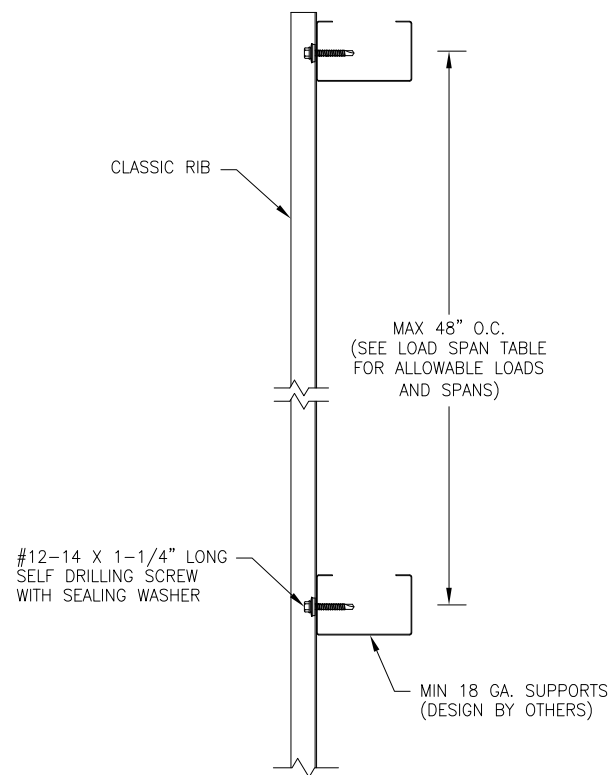
Manufacturer:	Metal Sales Manufacturing Corporation
Product Name:	Classic Rib
Panel Description:	36" wide coverage with (5) 0.75" high ribs
Materials:	Min. 26 ga., 80 ksi steel or min. 24 ga., 50 ksi steel. Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM 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)	50.4 psf at fastener spacing of 48" o.c. (3 or more spans) 156.6 psf at fastener spacing of 18" 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	5.5"-3.5"-5.5" o.c. across panel width
At intermediate	9" 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. C2944-2, Reporting Date 9/29/2025



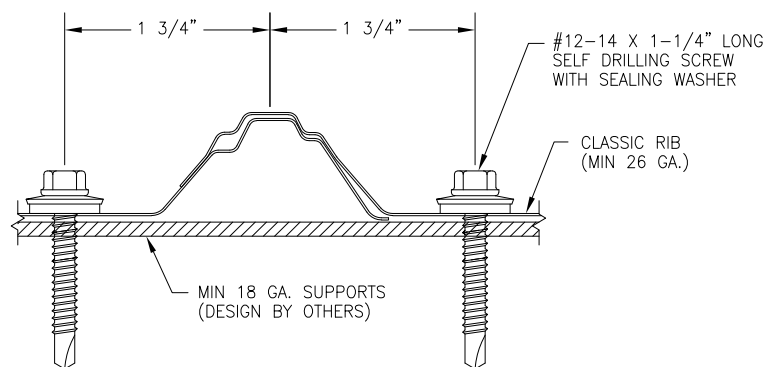
TYPICAL PANEL INSTALLATION X-SECTION

GENERAL NOTES:

1. STRUCTURAL WALL PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. WALL PANELS SHALL BE MIN. 26 GA. ($t = 0.018"$). EFFECTIVE COVERING WIDTH OF PANEL = 36".
3. THE WALL PANELS SHALL BE INSTALLED OVER STRUCTURE AS SPECIFIED ON THIS DRAWING.
4. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT. THIS PANEL SYSTEM MAY NOT BE INSTALLED WHEN THE REQUIRED DESIGN WIND LOADS ARE GREATER THAN THE ALLOWABLE DESIGN LOADS.
5. ALL FASTENERS MUST BE IN ACCORDANCE WITH THIS DRAWING & THE FLORIDA BUILDING CODE. IF A DIFFERENCE OCCURS BETWEEN THE MINIMUM REQUIREMENTS OF THIS DRAWING & THE CODE, THE CODE SHALL CONTROL.
6. SUPPORTS MUST BE DESIGNED TO WITHSTAND WIND LOADS AS REQUIRED FOR EACH APPLICATION AND ARE THE RESPONSIBILITY OF OTHERS.



SECTION VIEW



DETAIL 1

DRAWN BY: B.S.		CHECKED BY: D.S.	
PLOT:		DATE: 10/3/2025	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE CLASSIC RIB PANEL			
CONSULTANTS BALA SOCKALINGAM, PH.D., P.E.		MANUFACTURER METAL SALES MANUFACTURING CORP.	
1216 N LANSING AVE. SUITE C TULSA, OK 74106 PHONE: 918-492-5992		7800 HIGHWAY 60 SELLERSBURG, IN 47172 502-855-4300	
DRAWING NO. 2952-3		REV. 	
PAGE NO. 1		OF 1	

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

Description	Fastener Spacing along panel length (in)	Allowable Outward Load (psf)
Coverage width: 36"	18	156.6
	20	140.9
Panel Fasteners	22	128.1
#12-14 x 1.25" long hex head screws with sealed washer	24	117.4
	26	108.4
	28	100.7
Interior Supports:	30	93.9
Panel fasteners spaced at 9" o.c. across panel width with two fasteners at each sidelap.	32	88.1
	34	82.9
	36	78.3
	38	74.2
End Supports:	40	70.5
Panel fasteners spaced at 5.5" 3.5"-5.5" o.c. across panel width	42	65.8
	44	59.9
	46	54.8
	48	50.4

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 47815.1 and Metal Sales current installation procedure.
3. Three or more spans condition.