

**EVALUATION REPORT OF
GRABER POST BUILDINGS, INC.
'29 GA. G-RIB PANEL'**

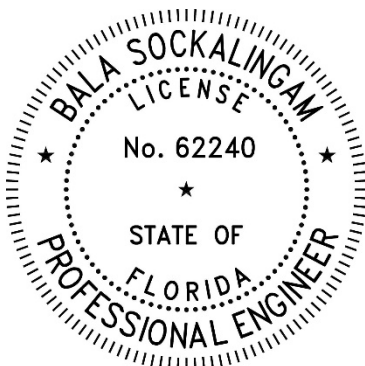
**FLORIDA BUILDING CODE 8TH EDITION (2023)
FLORIDA PRODUCT APPROVAL
FL 10887.1-R5
ROOFING
METAL ROOFING**

**Prepared For:
Grabber Post Buildings, Inc.
7716 N 900 E
Montgomery, IN 47558
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**Prepared By:
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**This report consists of
Evaluation Report (3 Pages including cover)
Installation Details (1 Page)**

**Report No. C2786-5
Date: 4.25.2024**



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

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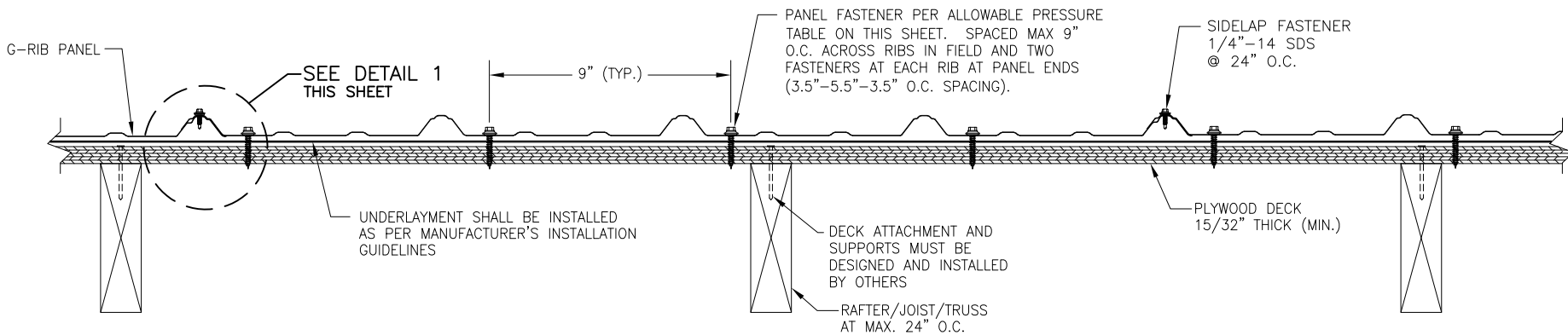
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Manufacturer:	Graber Post Buildings, Inc.
Product Name:	G-Rib Panel
Panel Description:	36" wide coverage with (5) 3/4" high ribs
Materials:	Min 29 ga., 80 ksi steel Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755). Corrosion resistant as per FBC 2023 Section 1507.4.3.
Deck Description:	Min 15/32" thick APA rated plywood for new and existing constructions. Designed and installed as per FBC 2023.
Underlayment:	Minimum underlayment as per FBC 2023 Section 1507.4.5.1
Slope:	1/2:12 or greater in accordance with FBC 2023 Section 1507.4.2
Design Uplift Pressure: (Factor of Safety = 2)	45.0 psf at fastener spacing of 24" o.c. 120.35 psf at fastener spacing of 12" o.c.
Panel Attachment:	#10-16 x 1-1/2" long wood screw with washer. Corrosion resistant as per FBC 2023 1507.4.4.
At interior supports	at 9" o.c. across panel width
At panel ends	at 3.5"-5.5"-3.5" o.c. across panel width
Sidelap Attachment:	1/4"-14 x 7/8" long self-drilling screw at 24" o.c. Corrosion resistant as per FBC 2023 1507.4.4.
Test Standards:	Roof assembly tested in accordance with UL580-94 'Uplift Resistance of Roof Assemblies', UL1897-98 'Uplift Tests for Roof Covering Systems' and FM 4470 (1992) Section 5.5 'Resistance to Foot Traffic'.
Test Equivalency:	The test procedures in UL 580-94 comply with test procedures prescribed in UL 580-06. The test procedures in UL 1897-98 comply with test procedures prescribed in UL 1897-15. The test procedures in FM 4470 (1992) comply with test procedures prescribed in FM 4470 (2016) Section 4.6 'Resistance to Foot Traffic'.
Code Compliance:	The product described herein has demonstrated compliance with FBC 2023 Section 1507.4
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 fastener spacing listed herein shall not be

exceeded. This product is not approved for use in the High Velocity Hurricane Zone. Fire classification is not within scope of this Evaluation Report. Refer to FBC 2023 Section 1505 and current approved roofing materials directory or ASTM E108/UL790 report from an accredited laboratory for fire ratings of this product.

Supporting Documents: UL580/UL1897 Test Report
Farabaugh Engineering and Testing Inc.
Project No. T179-08, Reporting Date 5/9/2008

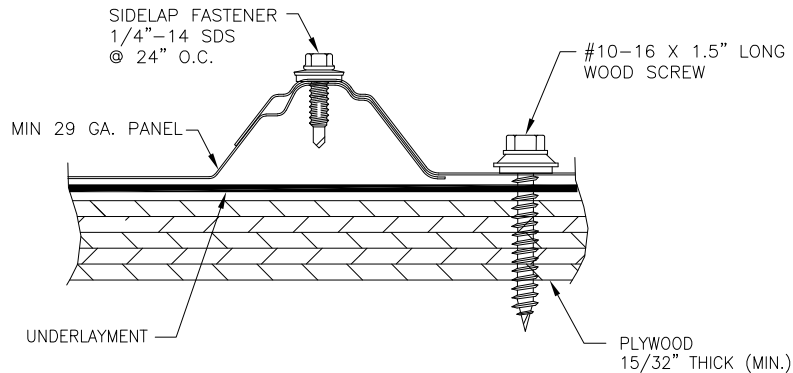
FM 4470 Test Report
ENCON Technology Inc.
C1573-2, Reporting Date 5/21/2008



TYPICAL PANEL INSTALLATION X-SECTION

ALLOWABLE UPLIFT PRESSURE

PANEL FASTENERS SPACING ALONG RIB	PRESSURE (PSF)
24"	45.0
12"	120.35



DETAIL 1

GENERAL NOTES:

1. ARCHITECTURAL ROOF PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. ROOF PANELS SHALL BE MIN. 29 GA. (t = 0.013"). EFFECTIVE COVERING WIDTH OF PANEL = 36".
3. THE ROOF PANELS SHALL BE INSTALLED OVER SHEATHING & 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 WIND LOADS SPECIFIED ON THIS DRAWING.
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. RAFTERS/JOISTS/TRUSSES MUST BE DESIGNED TO WITHSTAND WIND LOADS AS REQUIRED FOR EACH APPLICATION AND ARE THE RESPONSIBILITY OF OTHERS.

DRAWN BY: B.S.		CHECKED BY:	
PLOT:		DATE: 12/7/11	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: G-RIB ROOF PANEL CONSULTANT: BALA SOCKALINGAM, PH.D., P.E. MANUFACTURER: GRABER POST BUILDINGS, INC. 7716 N 900 E MONTGOMERY, IN 47558 1216 N LANSING AVE, SUITE C TULSA, OK 74106 PHONE: 918-492-5992 FAX: 866-366-1543			
DRAWING NO. 2786-5		REV.	
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