

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

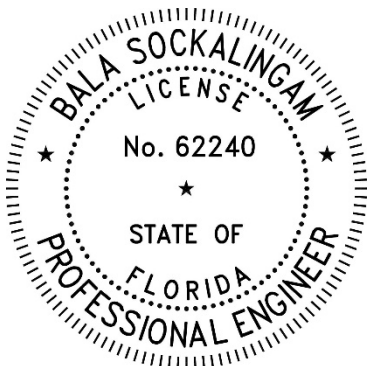
**FLORIDA BUILDING CODE 9TH EDITION (2026)
FLORIDA PRODUCT APPROVAL
FL 8686.1-R7
STRUCTURAL COMPONENTS
ROOF DECK**

**Prepared For:
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**This report consists of
Evaluation Report (3 Pages including cover)
Installation Details (1 Page)
Load Span Table (1 Page)**

**Report No. C3047-1
Date: 9.3.2026**



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

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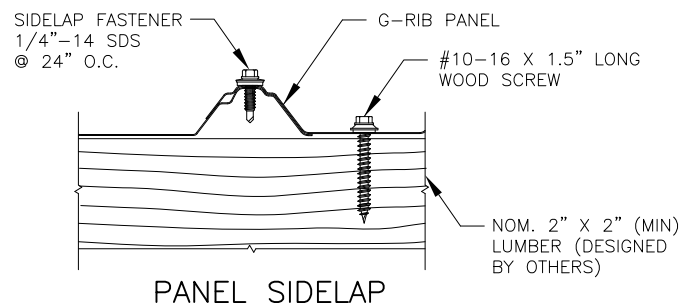
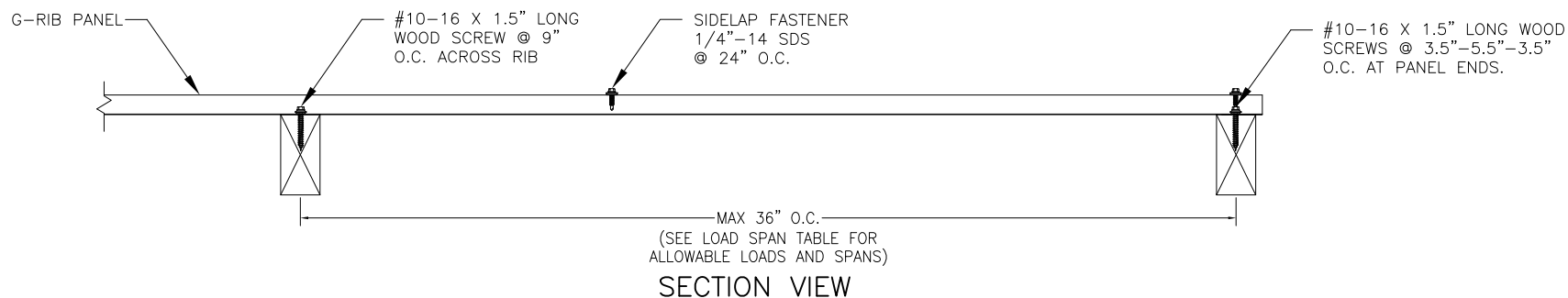
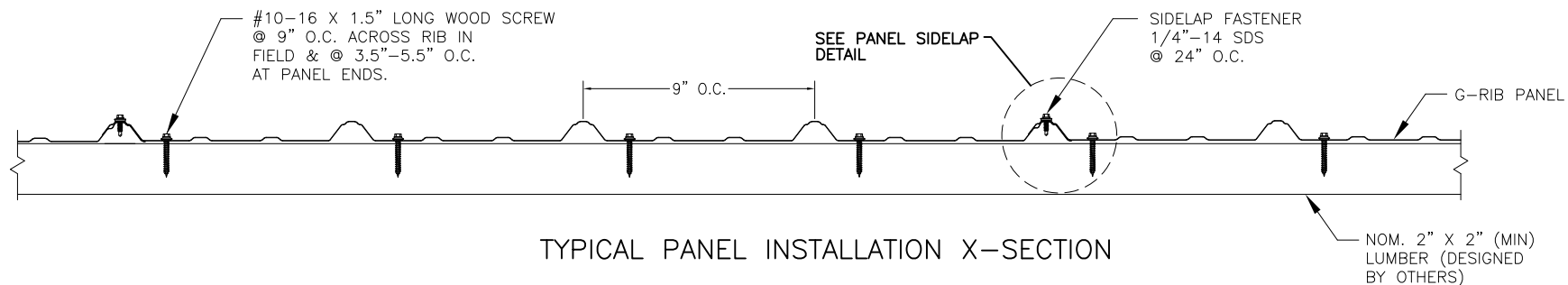
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Manufacturer:	Graber Post Buildings, Inc.
Product Name:	G-Rib Panel
Panel Description:	36" wide coverage with (5) 0.75" high ribs
Materials:	Min 29 ga., 80 ksi steel Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755). Corrosion resistant as per FBC 2026 Section 1507.4.3.
Support Description:	Nom. 2" x 2" (min) SPF lumber. Must be designed by others.
Slope:	1/2:12 or greater in accordance with FBC 2026 Section 1507.4.2
Design Pressure:	-66.9 psf at support spacing of 36" o.c.
Panel Attachment:	#10-16 x 1-1/2" long wood screw with washer. Corrosion resistant as per FBC 2026 1507.4.4. For installation in areas within 3000 ft. of a saltwater coastline, fasteners are corrosion resistant as per FBC 2026 Section 1711.
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:	¼"-14 x 7/8" long self-drilling screws at 24" o.c. Corrosion resistant as per FBC 2026 1507.4.4. For installation in areas within 3000 ft. of a saltwater coastline, fasteners are corrosion resistant as per FBC 2026 Section 1711.
Test Standards:	Roof assembly tested in accordance with ASTM E1592-01 'Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference' and FM 4470 (1992) Section 5.5 'Resistance to Foot Traffic'.
Test Equivalency:	The test procedures in ASTM E1592-01 comply with test procedures prescribed in ASTM E1592-05(2017). The test procedures in FM 4470 (1992) comply with test procedures prescribed in FM 4470 (2022) Section 4.6 'Resistance to Foot Traffic'.
Code Compliance:	The product described herein has demonstrated compliance with FBC 2026 Section 1507.4.
Product Limitations:	Design wind loads shall be determined for each project in accordance with FBC 2026 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 Graber Post's load span table. 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 2026 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: ASTM E1592 Test Report
ENCON Technology Inc.
C1503-2, Reporting Date 2/27/2007

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



GENERAL NOTES:

1. ROOF PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. ROOF PANELS SHALL BE 29 GA. ($t = 0.014$ "). EFFECTIVE COVERING WIDTH OF PANEL = 36".
3. THE ROOF 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.

DRAWN BY: B.S.	CHECKED BY:
PLOT:	DATE: 12/7/11
DATE	BY
REVISION	DESCRIPTION
NO.	
DRAWING TITLE G-RIB ROOF PANEL SYSTEM	
CONSULTANTS BALA SOCKALINGAM, PH.D., P.E. 1216 N LANSING AVE, SUITE C TULSA, OK 74106 PHONE: 918-492-5992	
MANUFACTURER GRABER POST BUILDINGS, INC. 7716 N 900 E MONTGOMERY, IN 47558 800 264-5013	
DRAWING NO. 3047-1	REV.
SHEET NO. 1	OF 1

GRABER POST BUILDINGS, INC.**G-RIB ROOF PANEL**

36" wide, 29 ga. (min) Steel Panel

Span Condition	Loading Type	Allowable Load (psf)								
		Support Spacing (ft)								
		1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
Three Span	Negative	206.5	165.2	137.7	118.0	103.3	91.8	82.6	75.1	63.7
Four Span	Negative	198.8	159.0	132.5	113.6	99.4	88.3	79.5	72.3	65.6
Five or More Span	Negative	200.7	160.6	133.8	114.7	100.4	89.2	80.3	73.0	66.9

Notes:

1. Allowable load for each condition is the smallest load calculated based on fastener capacity, panel strength and deflection limit of $L/180$. Allowable loads are calculated for minimum 29 ga. panel.
2. The panel allowable properties are determined from full scale ASTM E1592 test at 3' 0" span
3. The panel fasteners are Sealtite #10-16 x 1-1/2" long Woodbinder fasteners. Fastener spacing across panel width is 9.0" o.c. in the field and 3.5"-5.5"-3.5" o.c. at panel ends.
4. Sidelap fasteners are 1/4"-14 x 7/8" long SDS at 24" o.c.
5. Wood supports are minimum 2" x 2" lumber. All supports must be designed to resist all loads imposed on the panel.
6. Panels must be installed as per Evaluation Report FL 8686.1 and Graber Post current installation procedure.