

**EVALUATION REPORT OF
GRABER POST BUILDINGS, INC.
'26 GA. BOARD AND BATTEN SIDING PANEL'**

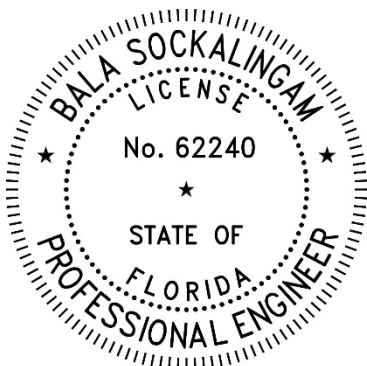
**FLORIDA BUILDING CODE 8TH EDITION (2023)
FLORIDA PRODUCT APPROVAL
FL 46842.1
PANEL WALLS
SIDING**

**Prepared For:
Graber Post Buildings, Inc.
7716 N 900 E
Montgomery, IN 47558
Telephone: (800) 264-5013
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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. C2798-1
Date: 6.20.2024**



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

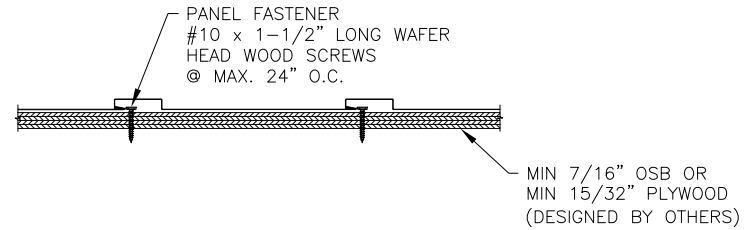
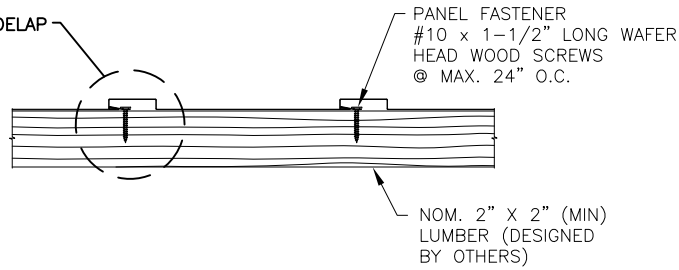
Printed copies of this document are not considered signed and sealed and this signature must be verified on any electronic copies.

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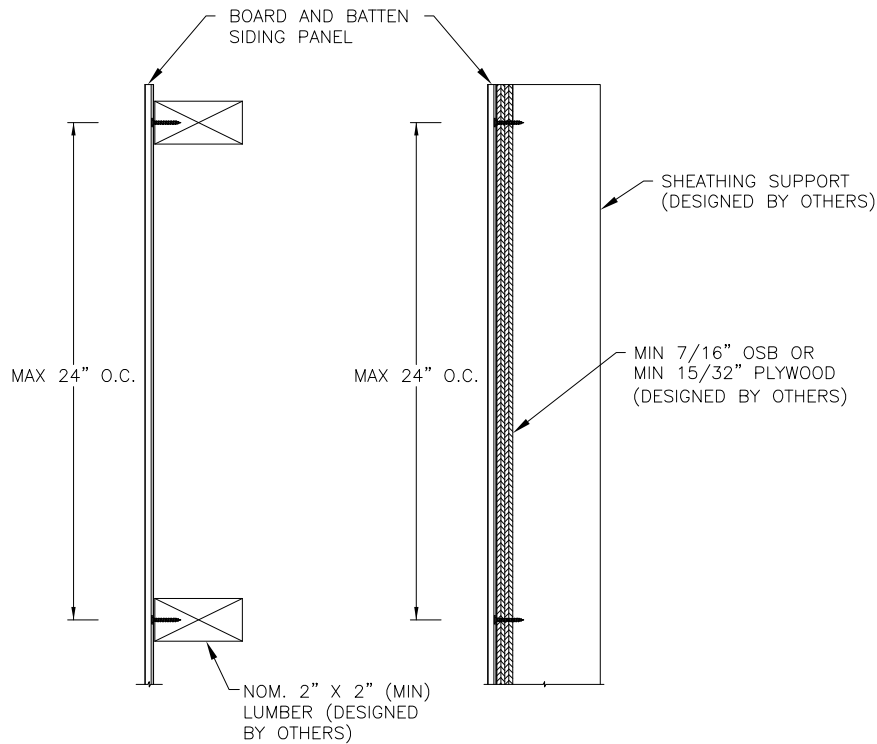
Manufacturer:	Graber Post Buildings, Inc.
Product Name:	Board and Batten Siding Panel
Panel Description:	Panel consists of a 1/2" high, 2-1/16" wide symmetrical rib with 7-15/16" low flat profile. The coverage width is 10".
Materials:	Min 26 ga., 50 ksi steel Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755) as per FBC 2023 Section 1405.2.
Supports or Sheathings:	Min. nominal 1" x 4" dimensional lumber, designed by others. In lieu of open supports, min. 7/16" thick OSB sheathing or min. 15/32" thick plywood sheathing fastened to steel or wood supports at maximum 24" o.c. Sheathing and support connections must be designed to resist all loads and installed as per FBC 2023. Vapor barrier must be installed over sheathing in accordance with manufacturer's installation procedure.
Allowable Loads:	Allowable outward load of 33 psf at maximum fastener spacing of 24" o.c. in min. nominal 1" x 4" dimensional lumber, min. 7/16" thick OSB sheathing or min. 15/32" thick plywood sheathing. The allowable loads were determined with a factor of safety of 2 from ASTM E1592 testing and are applicable for the panel. Panel fasteners in wood supports or substrates were designed with a factor of safety of 5 and duration factor of 1.6.
Panel Attachment:	#10 x 1.5" long wafer head wood screws through 0.75" x 0.15" slots which are spaced at 1.25" o.c. Corrosion resistant as per FBC 2023 Section 1405.17
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 fastener 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. This product is not approved for use in the High Velocity Hurricane Zone.

Supporting Document: ASTM 1592 Test Report
ENCON Technology Inc.
C2797-1, Reporting Date 6/18/2024

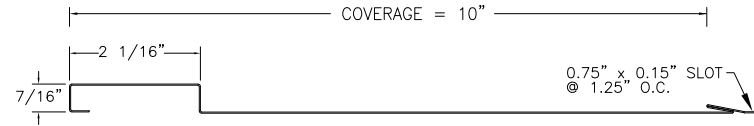
SEE PANEL SIDELAP
DETAIL



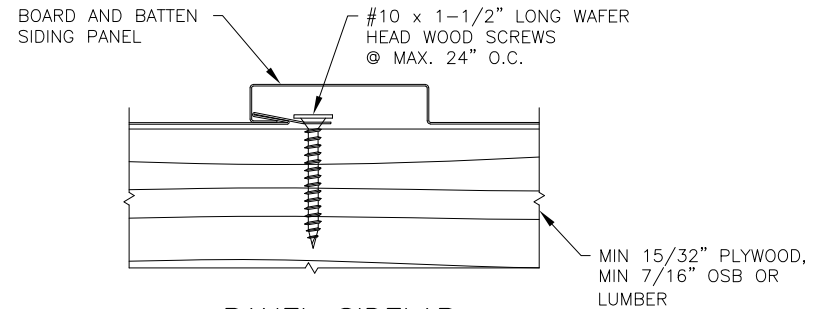
TYPICAL PANEL INSTALLATION X-SECTION



SECTION VIEW



BOARD AND BATTEN SIDING PANEL
26 GA.



PANEL SIDELAP

GENERAL NOTES:

1. WALL PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. WALL PANELS SHALL BE 26 GA. ($t = 0.017$). EFFECTIVE COVERING WIDTH = 10".
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.
7. PANELS MAY SPAN BETWEEN HORIZONTAL SUPPORTS AS SHOWN (WALL APPLICATION WITH PANELS ORIENTED VERTICALLY) OR BETWEEN VERTICAL SUPPORTS (WALL APPLICATION WITH PANELS ORIENTED HORIZONTALLY).

DRAWN BY: B.S.	CHECKED BY:
PLOT:	DATE: 6/18/24
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE BOARD AND BATTEN SIDING PANEL	
CONSULTANTS BALA SOCKALINGAM, PH.D., P.E.	
MANUFACTURER GRABER POST BUILDINGS, INC.	
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7716 N 900 E MONTGOMERY, IN 47558 800 264-5013	
DRAWING NO. 2798-1	REV.
SHEET NO. 1	OF 1