

FLORIDA PRODUCT APPROVAL

FL 31397.01 R3

29ga Multi-Rib Wall Panel on 2x4 girts

PRODUCT OVERVIEW

Product Description

Exposed fastener Multi-Rib wall panel with nominally 0.75" tall ribs and max panel coverage of 36"

Product Material

29ga (min) steel, ASTM A792 grade 80, compliant with FBC 1507.4.3

Fastener

#12 x 1.5" panel fastener with sealing washer. 1/4" lap fastener at 12" o.c. max. Compliant with FBC 1507.4.4 and FBC 1711 where required.

Substrate/Deck

#2 SYP 2x4 girts (nominal, or better)

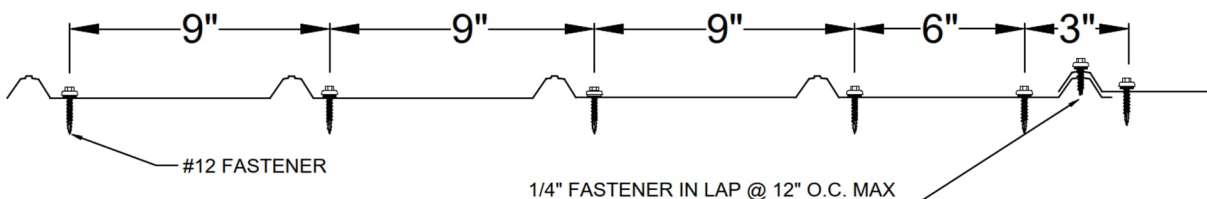
Maximum Design Pressures (Allowable)

Method	Fastener Pattern	Fastener Row Spacing	Allowable Pressure
Method A	9"-9"-9"-6"-3"	24" o.c.	-105 PSF

A factor of safety of 2 has been applied.

NOTE: Larger diameter and longer length fasteners are acceptable. Thicker gauge material is acceptable. Thicker substrate is acceptable.

9"-9"-9"-6"-3" PATTERN



EVALUATED BY:

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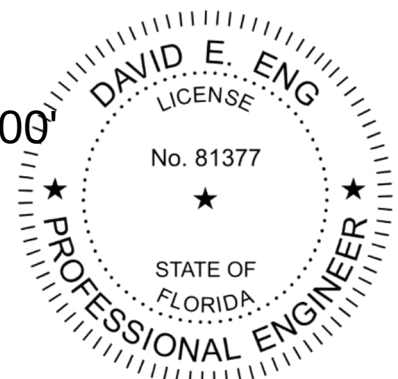
David Eng

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This item has been digitally signed and sealed by David Eng, PE on the date indicated. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



TECHNICAL DETAILS

Technical Documentation

This product has been tested to the ASTM E-1592 standard by PRI (TST-5878), report FAE-008-02-01.

Compliance Statement

This product as described has demonstrated compliance with Florida Building Code 2026 (9th Edition), Section 1403.3 (wind loading only, non-HVHZ), as required by FL Rule 61G20-3, method 1D.

This product as described has been tested and demonstrated compliance with:

- ASTM E-1592 – Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference
- FM 4471 Section 5.4 Foot Traffic Resistance

Design Process

Compare the maximum allowable loads on page 1 to the ASD uplift pressures for the project to determine sufficiency and installation requirements. Determine project uplift pressures using ASCE 7-22, FBC R301, project design documents, guidance from local building department, or other design professionals. Engineering analysis may be completed by other licensed engineers for project specific approval by local authorities having jurisdiction.

CERTIFICATION OF INDEPENDENCE: David Eng, PE and Timberlake Cove, LLC do not have, nor will acquire a financial interest in any company manufacturing or distributing products under this evaluation. The same entities do not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

EXCLUSIONS AND LIMITATIONS: Design of deck and roof structure (to include attachment of plywood or wood plank) shall be completed by others. Fire classification and shear diaphragm design are outside the scope of this evaluation. Accelerated weathering/salt spray is outside the scope of this evaluation. Metal hip and ridge cover is outside the scope of this evaluation.

This report is limited to compliance with structural wind load requirements of FBC 1504.3.2, as required by Rule 61G20-3. Neither Timberlake Cove nor the manufacturer shall be responsible for any conclusions, interpretations, or designs made by others based on this evaluation report. This report is limited solely to documenting compliance with Rule 61G20-3, and makes no express or implied warranty regarding performance of this product. Installation shall be subject to the local building code and authority having jurisdiction; this report shall not be construed to supersede local codes in force.