



FL31652.07 - R4

50ALLRIB

3/4" RIB 26GA

26ga (min) 3/4" Rib over 15/32" (min) plywood



Product Description

Exposed fastener trapezoidal rib panel with a 36" coverage and a nominal rib height of 0.75"

Product Material

26ga (min) steel.

26ga is nominally 0.0185" with yield strength of at least 50ksi, and shall be corrosion resistant per FBC 1507.4.3 where required.

Fastener

#10 1.5-inch fastener with sealing washer. *Compliant with FBC 1506.6 where required.*

Substrate/Deck

15/32" (min) plywood or 3/4" (min) thick wood plank (min S.G. of 0.42)

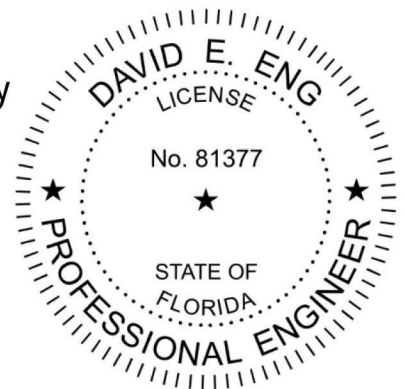
EVALUATED BY:

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Underlayment: Comply with local building code or FBC 1507.1.1 where required.

Slope: Comply with local building code or FBC 1507.4.2/FBC 1515.2 where required. FBC 1507.4.2 minimum slope is 1/2:12 with lap sealant, or 3:12 without lap sealant.

Re-Roofing: This panel may be installed over a single layer of existing shingles as permitted by local building code or FBC 1511/1521, provided the existing roof meets the conditions required by the applicable code.

Technical Documentation: This product has been tested to the UL 580 standard by Intertek Testing (TST-1527), report J4161.01-450-44 R0 (used with permission).

Compliance Statement: This product as described has demonstrated compliance with Florida Building Code 2023, 1504.3.2 (non-HVHZ), as required by FL Rule 61G20-3, method 1D.

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

- UL580 – Test for Uplift Resistance of Roof Assemblies
- UL 1897 – Uplift test for roof covering systems

Maximum Allowable Loads & Installation Requirements:

Method	Fastener Pattern	Fastener Spacing	Allowable Pressure
Method A	#10 x 1.5" fasteners in 9"-9" pattern (1 per rib)	18" o.c	-78.5 PSF

A factor of safety of 2 has been applied.



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Design Process: Compare the maximum allowable loads on page 2 to the ASD uplift pressures for the project to determine sufficiency and installation requirements.

Alternatively, as an option, the load tables in this report provides one prescriptive option for the fastening requirement for the applicable wind loads for roofs within the parameters described.

For roofs outside of the listed parameters, design wind loads shall be determined as required by FBC 1609, ASCE 7, or other design code in force, using allowable stress. These load tables are based on ASCE 7-22. Use of these tables assumes that the structure is: Enclosed and conforms to wind-borne debris provisions and is a regular shaped building and is not subject to across-wind loading, vortex shedding, or instability; nor does it have a site location for which channeling or buffeting warrant consideration

Engineering analysis may be completed by other licensed engineers for project specific approval by local authorities having jurisdiction.

Notice to Other Entities: This product approval applies only to metal supplied by Metal Alliance or its formally approved manufacturing partners. Other manufacturers, distributors, installers, engineers, architects, or other parties relying on this approval for any product not supplied by Metal Alliance assume full, strict product liability. Traceability of coil, audited quality assurance programs, and compliance with FAC 61G20-3 are solely the responsibility of the entity relying on this approval. Metal Alliance assumes no liability for non-compliance or product performance for any product relying on this approval but not supplied by Metal Alliance.

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.

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.