

**Evaluation Report Multi-Rib-Stl-Ply**  
April 26, 2024

**Product Description:** MRS Multi-Rib 36" Max. Panel, 26 gauge Galvalume Steel (50 ksi min. yield) with Kynar 500 Finish, Over Plywood Roof Deck

**Manufacturer:** Metal Roofing Systems, Inc., 7687 Mikron Dr., Stanley, NC

**Statement of Compliance:** This report evaluates the above-listed product per the requirements of FAC Product Approval Rule Chapter 61G20-3.005. This product complies with the requirements of the 8<sup>th</sup> Edition (2023) Florida Building Code for use outside the High Velocity Hurricane Zone. The product testing standards performed are outlined below.

**Technical Documentation:**

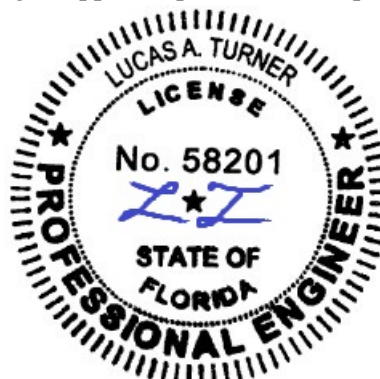
- 1) This report, prepared by Lucas A. Turner, P.E., at 2428 Old Natchez Trc Trl, Camden, TN
- 2) Approval drawing MRib-Stl-Ply, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Report P7057/8.01-109-44, from Intertek, York, PA, with testing performed with equivalency to: UL 580-06, UL 1897-15
- 4) Supplemental Calculations to support MRib-Stl-Ply, signed and sealed by Lucas A. Turner, P.E.

**Installation:** Units must be installed according to approval document MRib-Stl-Ply.

**Limitations of Use:**

- Max. Panel Coverage: 36"
- Min. Roof Pitch: 3:12
- Max. Design Pressure (includes safety factor of 2:1): -191 psf with 10" anchor row spacing, -168 psf with 12" anchor row spacing, -123.5 psf with 16-1/4" anchor row spacing, and -84 psf with 24" anchor row spacing
- Min. Substrate: solid 1/2" plywood roof deck, with underlayment compliant with FBC sect. 1507.1.1.1, and with flashing and trim per MRS approved shop drawings and FBC sect. 1503
- Min. Anchorage: #9-15 hex head wood screws with 1/2" min. diameter gasketed washer, Woodgrip or approved equivalent, as indicated in MRib-Stl-Ply, with corrosion resistance per FBC sect. 1506.6. Anchor row patterns are 9"-9"-9" (at each rib) across the panel in the field, and 3-1/2"-5"-3-1/2"-5" (at each side of each rib) across the panel at panel ends.
- Fire classification is not part of this evaluation.
- Shear diaphragm values are not part of this evaluation.
- Design of substrate, deck, and supports is by others and not part of this evaluation.
- May not be used in the High Velocity Hurricane Zone

**Certification of Independence:** I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in Metal Roofing Systems, Inc. or in any company manufacturing or distributing products for which this report is being issued. I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in any other entity involved in the testing or approval process of this product.



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