TURNER
ENGINEERING &
CONSULTING, INC.

2428 Old Natchez Trace Trail
Camden, TN 38320
Ph. 941-380-1574

Evaluation Report 2500-Alum-BDeck
January 31, 2024

Product Description: MRS System 2500 2" Mechanically Seamed 16" Max. Non-Structural Striated Panel, 0.032" Aluminum (3105-H24) with Kynar 500 Finish, Over B-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 8th 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 2500-Alum-BDeck, signed and sealed by Lucas A. Turner, P.E.
3) Test Report M2600.01-109-44, from Intertek, York, PA, with testing performed with equivalency to: UL 580-06, UL 1897-12
4) Supplemental Calculations to support 2500-Alum-BDeck, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document 2500-Alum-BDeck.

Limitations of Use:

- Max. Panel Width: 16"
- Min. Roof Pitch: 1/2:12. Slopes less than 2:12 require exposure resistance per FBC sect. 1504.6.
- Max. Design Pressure (includes safety factor of 2:1): -63.5 psf with 20" clip spacing, and -55 psf with 24" clip spacing
- Min. Substrate: solid 22 ga., 33ksi min. B-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
- Required Clips: galvanized steel clips as indicated in 2500-Alum-BDeck, max. on-center spacing as indicated above, clips require corrosion resistance per FBC sect. 1506.7. Each clip installed with two (2) #10 self-tapping screws w/ pan, truss, or washer head, screws require corrosion resistance per FBC sect. 1506.6.
- 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.

Lucas Turner
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1/31/2024
Lucas A. Turner, P.E.
FL PE #58201