TURNER
ENGINEERING &
CONSULTING, INC.

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Camden, TN 38320
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Evaluation Report 2000-Stl-BDeck
January 31, 2024

Product Description: MRS System 2000 1-3/4" Snaplock 16" Max. Non-Structural Panel, 24 gauge Galvalume Steel (50 ksi min. yield) 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 2000-Stl-BDeck, rev. A, signed and sealed by Lucas A. Turner, P.E.
3) Test Report P7054.01-109-44, from Intertek, York, PA, with testing performed: UL 580-06, UL 1897-15
4) Supplemental Calculations to support 2000-Stl-BDeck, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document 2000-Stl-BDeck.

Limitations of Use:

- Max. Panel Width: 16”
- Min. Roof Pitch: 3:12
- Max. Design Pressure: -63.5 psf (includes safety factor of 2:1)
- 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: 24” max. on-center galvanized steel clips as indicated in 2000-Stl-BDeck, clips require corrosion resistance per FBC sect. 1506.7. Each clip installed with two (2) #14 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