

TURNER

ENGINEERING &
CONSULTING, INC.

2428 Old Natchez Trace Trail
Camden, TN 38320
Ph. 941-380-1574
FBPE C.O.A. #29779

Evaluation Report – South Rib Battens October 16, 2018

Product Description: South Rib 3' Coverage 26-Ga. and 29-Ga. Grade 80 Steel Non-Structural Roof Panel with AZ50 Galvalume Coating, Applied Over 1x4 SYP Battens, 4' Max. Spacing

Manufacturer: Deep South Metals, LLC, 106 Masters Road, East Palatka, FL, 32131

Statement of Compliance: This report evaluates the above-listed product per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). This product complies with the requirements of the 6th Edition (2017) Florida Building Code generally and section 1504 specifically, 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 FPA-SouthRibBat, signed and sealed by Lucas A. Turner, P.E
- 3) Test Report I8067.01-450-44, from Intertek, West Palm Beach, FL
 - a. Testing Performed: UL1897-12, ASTM E 1592-12
- 4) Supplemental Calcs. to support FPA-SouthRibBat, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document FPA-SouthRibBat, with 9" pattern at each Southern Yellow Pine 1x4 batten, by others. Battens must run perpendicular to ribs, over roof deck with or without one layer of existing asphalt shingles, and max. batten spacing shall be 48" on center. Battens, structural supports, and existing roofing shall be verified by a Florida P.E. to resist the applied loads. Fasteners shall be #10x1-1/2" WoodZip SCAMP SSC with EPDM gasket or approved equivalent (min. ult. pullout of 999 lbs in 1x SYP). Fastener coating shall be in accordance with FBC Sect. 1507.4.4.

Limitations of Use: This product:

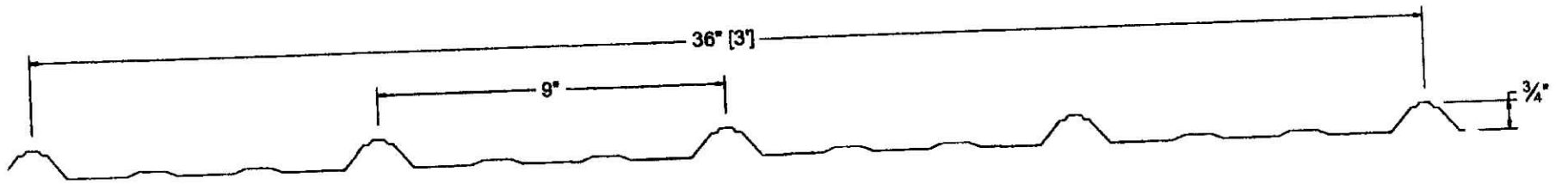
- Requires minimum slope of 1/2:12 in accordance with FBC Sect. 1507.4.2. Slopes of less than 3:12 require lap sealant at all overlaps.
- May be used up to 36" panel widths as indicated in FPA-SouthRibBat
- Was structurally tested to -90 psf load; with factor of safety and panel/anchor analysis this results in an allowable Design Pressure of -45 psf at 48" batten spacing
- Is non-impact and 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 Deep South Metals 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.

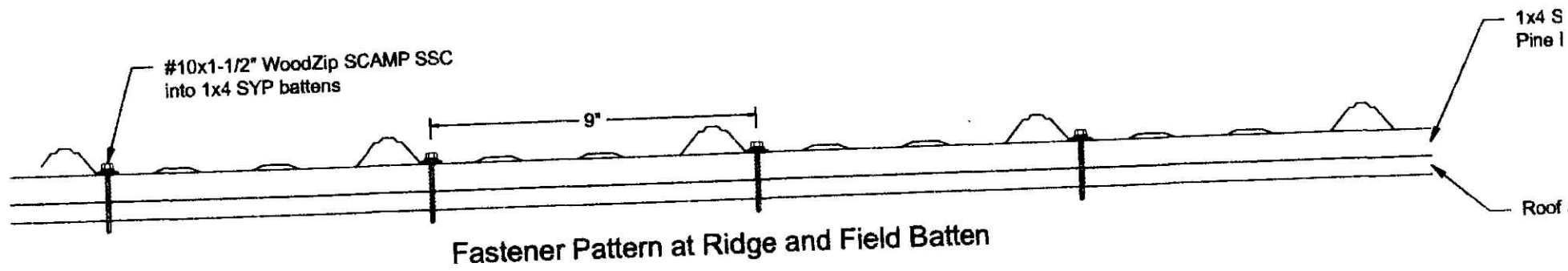
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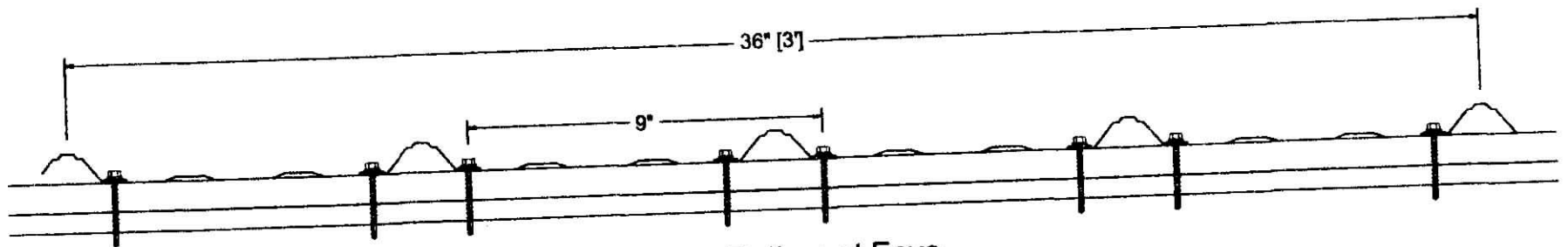
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10/16/2018
Lucas A. Turner, P.E.
FL PE #58201



South Rib Profile



Fastener Pattern at Ridge and Field Batten



Fastener Pattern at Eave

DEEP SOUTH METALS, LLC
 106 MASTERS RD, EAST PALATKA, FL
 DATE