

Ply Wood

FL# 28363.2

**T**URNER  
ENGINEERING &  
CONSULTING, INC.

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

**Evaluation Report – South Rib Plywood**  
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 15/32 CDX Plywood

**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 6<sup>th</sup> 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-SouthRibPly, signed and sealed by Lucas A. Turner, P.E
- 3) Test Report 18067.03-450-44, from Intertek, West Palm Beach, FL
  - a. Testing Performed: UL1897-12, ASTM E 1592-12
- 4) Supplemental Calcs. to support FPA-SouthRibPly, signed and sealed by Lucas A. Turner, P.E.

**Installation:** Units must be installed according to approval document FPA-SouthRibPly, with 9" pattern at eave, ridge, and 36" max on-center in the field, into 15/32 min. CDX plywood by others. Fastener rows across panels must run perpendicular to ribs. Plywood roof deck with or without one layer of existing asphalt shingles, and structural supports 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 412 lbs in 1/2" nominal plywood). Fastener coating shall be in accordance with FBC Sect. 1507.4.4.

**Limitations of Use:** This product:

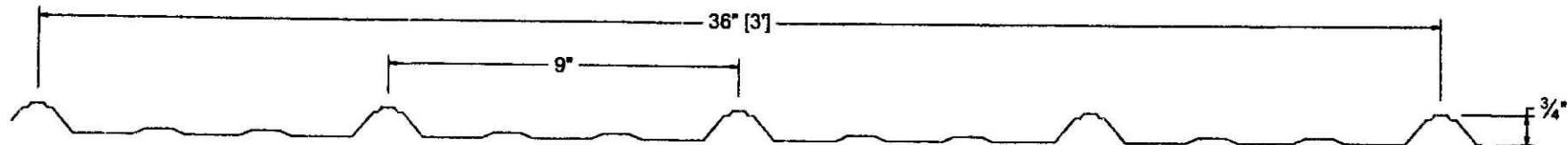
- Requires minimum slope of 1/2:12 in accordance with FBC Sect. 1507.4.2. Slopes of less than 3:12 require lap sealant at all overlaps.
- May be used up to 36" panel widths as indicated in FPA-SouthRibPly
- Was structurally tested to -105 psf load; with factor of safety and panel/anchor analysis this results in an allowable Design Pressure of -52.5 psf at 36" max. anchor row 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.

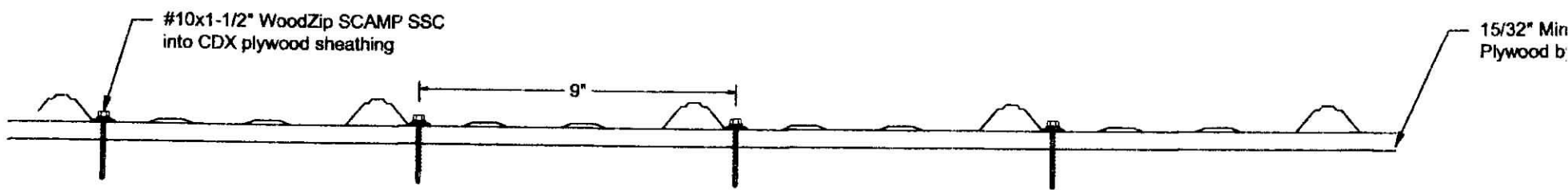
Lucas  
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10/16/2018  
Lucas A. Turner, P.E.  
FL PE #58201



South Rib Profile



Fastener Pattern at Eave, Ridge and 3' O.C. in Field

DEEP SOUTH METALS, LLC  
 106 MASTERS RD, EAST PALATKA, FL 32909  
 DATE: 08/14/2018