

Locke Bowden, P.E.
9450 Alysbery Place
Montgomery, AL 36117

Product Evaluation Report

Central States Manufacturing, Inc.

302 Jane Place
Lowell, AR 72745

Florida Product Approval # 16229

Florida Building Code 2010

Per Rule 9N-3

Method 1-D

Product: Panel-Loc Plus Roof Panel min. 29GA steel 36" coverage, fastened thru 1x4"s (optional) into min. 15/32" plywood
Non-HVHZ Non Structural Roofing Panel
Product as described herein has demonstrated compliance with the Florida Building Code 2010, Section 1504.3.2.

Materials: Panel Thickness 0.0145 Min (29 GA), 36" width, 3/4" major rib at 9" o.c.
Yield Strength: Min 80.0 ksi ASTM A792 or ASTM A653 G90 complying with FBC 2010, Section 1507.4.3 for corrosion resistance.

Paint Finish: Valspar Fluropon® Coating (optional)

Fastener: #10 Kwikseal II Woodbinder® with sealing washer or approved equal with a 1/4" minimum penetration through plywood substrate. Corrosion resistance in compliance with FBC 2010, Section 1506.6, 1507.4.4
Min. 15/32" thick APA Rated plywood; 1x4 No. 2 SYP wood purlins (optional) shall be fastened to the plywood with min. #8 deck fastener with maximum 24" o.c. spacing thru to plywood supports. Design of 1x4 wood purlins, plywood and plywood supports are outside the scope of this product evaluation.

Testing: UL 580-94/ 1897-98 Uplift Test- Force Engineering and Testing 11/14/2011
The UL 580-94 test standard is equivalent to the UL 580-06 test standard.
The UL 1897-98 test standard is equivalent to the UL 1897-04 test standard.
TAS 110-00 Valspar Fluropon® coated metal panel testing-PR! Asphalt Technologies 01/19/2004

Slope: 3:12 in accordance with FBC 2010, including Section 1515.2. For slopes less than 3:12; lap sealant must be in the panel side laps.

Fire Barrier: Any approved fire barrier. Fire classification is not part of this evaluation report.

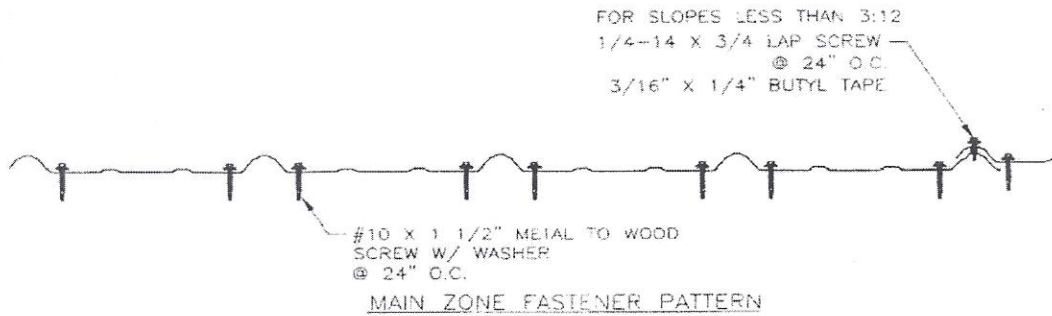
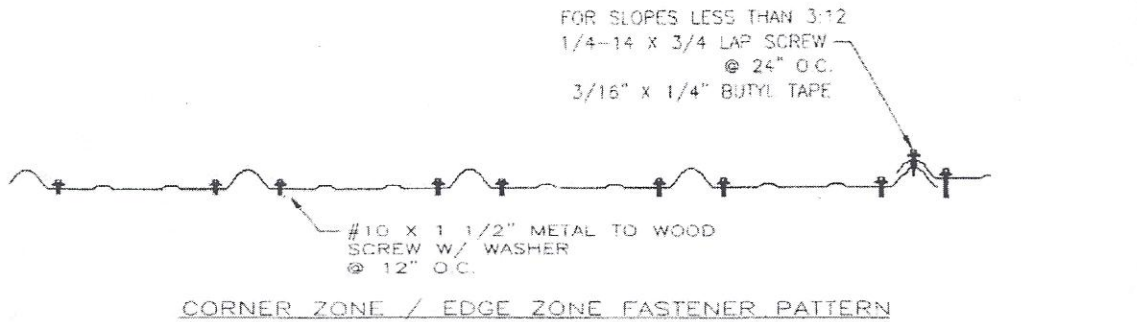
Installation: Install per manufacturer's installation instructions.

Maximum Total Uplift Design Pressure: 101.0 psf @24" O.C. with fastening pattern: 6"-3"-6"-3"-6"-3"-6"
168.5 psf @12" O.C. with fastening pattern: 6"-3"-6"-3"-6"-3"-6"

* Design Pressure includes a Safety Factor=2.0

Panel-Loc Plus Profile fastening thru to min 15/32" plywood

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In accordance with the Florida Building Code; manufacturer is compliant and Rule 9N-3.005 (3); wherein manufacturer complies under a quality assurance program audited by approved Quality Assurance Entity; valid thru 1/26/2014.

Certificate of Independence

Lock Bowden, P.E. does not have, nor will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

Locke Bowden, P.E. is not owned, operated or controlled by any company manufacturing or distributing product under this evaluation.

Locke Bowden, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

Locke Bowden, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

Compliance Statement: The product evaluated herein has demonstrated compliance with the 2010 Florida Building Code as evidenced in documents provided by the manufacturer.

Locke Bowden, P.E.
Florida Reg. #49704
No. 49704

