## EVALUATION REPORT OF CENTRAL STATES MANUFACTURING, INC. 'R-LOC PANEL'

## FLORIDA BUILDING CODE 7TH EDITION (2020) FLORIDA PRODUCT APPROVAL FL 14024.1-R4 PANEL WALLS SIDING

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This report consists of Evaluation Report (2 Pages including cover) Installation Details (1 Page)

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Manufacturer: Central States Manufacturing, Inc.

Product Name: R-Loc Panel

Panel Description: 36" wide coverage with (4) 1-1/4" high ribs

Materials: Min. 26 ga., 80 ksi steel or min. 24 ga., 50 ksi steel. Galvanized coated

steel (ASTM A653) or Galvalume coated steel (ASTM A792) or

painted steel (ASTM A755) as per FBC 2020 Section 1405.2.

Support Description: Min. 16 ga., 50 ksi steel section. (Must be designed by others)

Design Uplift Pressure: 44.2 psf at fastener spacing of 60 o.c. (3 or more spans) (Factor of Safety = 2) 112.7 psf at fastener spacing of 24 o.c. (3 or more spans)

Panel Attachment: All fasteners are corrosion resistant.

At all supports: #12-14 x 1-1/4" long SDS with washer at 12" o.c. across panel width

Sidelap Attachment:  $\frac{1}{4}$ "-14 x 7/8" long SDS with washer at 20" o.c.

Test Standards: Wall assembly tested in accordance with ASTM E1592-01 'Test

Method for Structural Performance of Sheet Metal Roof and Siding

Systems by Uniform Static Air Pressure Difference'.

Test Equivalency: The test procedures in ASTM E1592-01 comply with test procedures

prescribed in ASTM E1592-05(2012).

Code Compliance: The product described herein has demonstrated compliance with FBC

2020 Section 1404.5.

Product Limitations: Design wind loads shall be determined for each project in accordance

with FBC 2020 Section 1609 or ASCE 7-16 using allowable stress design. The maximum support spacing listed herein shall not be exceeded. The design pressure for reduced support spacing may be computed using rational analysis prepared by a Florida Professional Engineer. This evaluation report is not applicable in High Velocity

Hurricane Zone.

Supporting Documents: ASTM E1592 Test Reports

Force Engineering and Testing Inc.

Report No. 410-0237T-13A, B, Reporting Date 12/21/2013

