EVALUATION REPORT OF CENTRAL STATES MANUFACTURING, INC. 'CENTRAL SPAN PANEL'

FLORIDA BUILDING CODE 7TH EDITION (2020) FLORIDA PRODUCT APPROVAL FL 14016.2-R4 STRUCTURAL COMPONENTS ROOF DECK

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This report consists of Evaluation Report (3 Pages including cover) Installation Details (1 Page) Load Span Table (1 Page)

> Report No. C2398-2 Date: 9.30.2020



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Manufacturer: Central States Manufacturing, Inc.

Product Name: Central Span Panel

Panel Description: Standing seam panel with 16" wide coverage and 2" high ribs

Materials: Min 24 ga., 50 ksi steel. Galvanized coated steel (ASTM A653) or

Galvalume coated steel (ASTM A792) or painted steel (ASTM A755).

Corrosion resistant as per FBC 2020 Section 1507.4.3.

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

Slope: 1/4:12 or greater in accordance with FBC 2020 Section 1507.4.2

Design Uplift Pressure: 75 psf @ support spacing of 24" o.c. with TripleLok™ Seam

30.0 psf @ support spacing of 60" o.c. with TripleLokTM Seam 112.5 psf @ support spacing of 24" o.c. with QuadLokTM Seam 30.0 psf @ support spacing of 60" o.c. with QuadLokTM Seam

Panel Attachment: VSRLCLIP (2-3/8" high) or VSRHCLIP (3-3/8" high)

Clip tab – 22 ga., 4-5/16" wide, 50 ksi steel with galvanized coating

Clip base – 16 ga., 50 ksi steel with galvanized coating

Clips fastened to supports with minimum (2) 1/4"-14 x 1-1/2" long SDS per clip. Clips and fasteners are corrosion resistant as per FBC 2020

Section 1506.7 and 1507.4.4, respectively.

Test Standards: Roof assembly tested in accordance with ASTM E1592-05(2012) 'Test

Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference' and FM 4471

Section 5.4 'Resistance to Foot Traffic'.

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

2020 Section 1507.4.

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 clip spacing may be computed using rational analysis prepared by a Florida Professional Engineer or based on Central States load span tables. This evaluation report is not applicable in High Velocity Hurricane Zone. Fire classification is not within scope of this Evaluation Report. Refer to FBC 2020 Section 1505 and current approved roofing materials directory or ASTM E108/UL790 report from an accredited laboratory

for fire ratings of this product.

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Supporting Documents: ASTM E1592 Test Report

PRI Construction Materials Technologies

FAE-015-02-01 Rev 1, Reporting Date 8/29/14

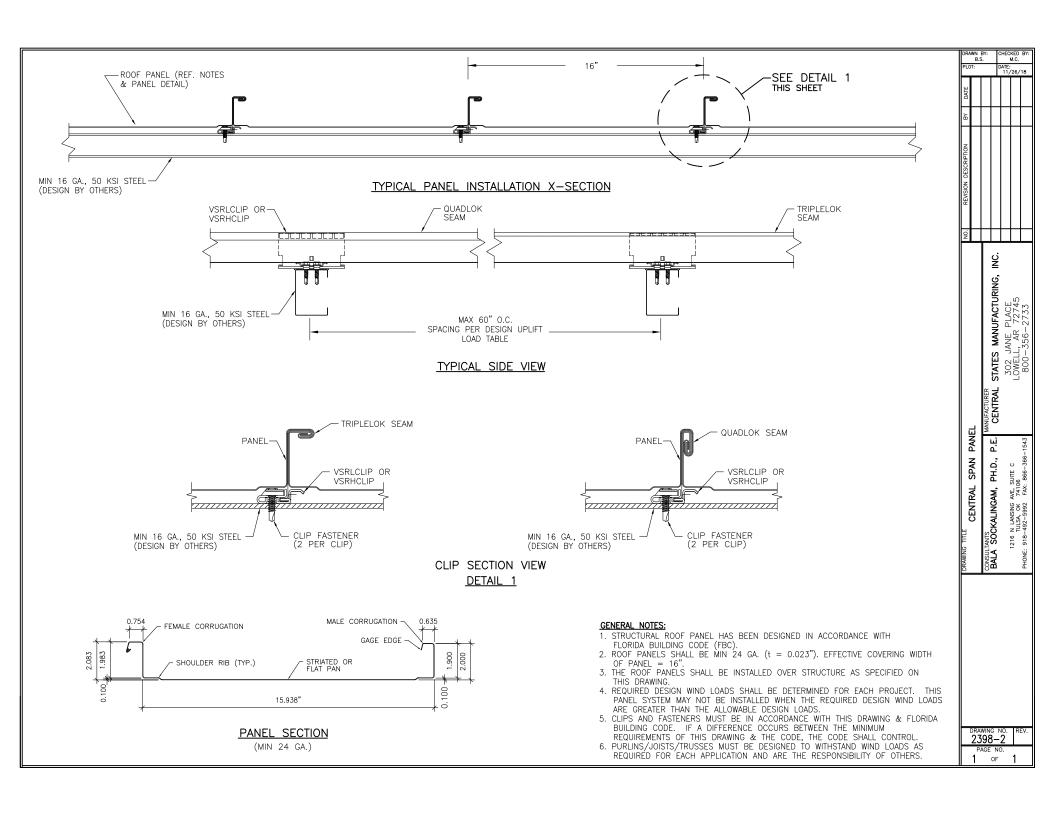
FM 4471 Test Report

FM Approvals

Project ID 1D7A7.AM, Reporting Date 12/31/1998

(Central States is authorized to use Building Research System's Test

Reports)



CENTRAL STATES MANUFACTURING, INC. Min. 24 Ga., 16" wide Central Span Panel Uplift Loads

Seam	Span	Ultimate	Design
	(ft)	Load	Load
		(psf)	(psf)
TripleLok TM	2	150.0	75.0
	2.5		67.5
	3		60.0
	3.5		52.5
	4		45.0
	4.5		37.5
	5	60.0	30.0
QuadLok TM	2	225.0	112.5
	2.5		98.8
	3		85.0
	3.5		71.3
	4		57.5
	4.5		43.8
g	5	60.0	30.0

Notes:

- 1. The bold numbers indicate test data.
- 2. The factor of safety was 2.0 for all tests.
- 3. Panels must be installed as per Evaluation Report FL 14016.2 and Central States current installation procedure.
- 4. Three or more spans condition.

