## EVALUATION REPORT OF UNION CORRUGATING COMPANY '26 GA. 5V PANEL'

## FLORIDA BUILDING CODE 7TH EDITION (2020) FLORIDA PRODUCT APPROVAL FL 7271.2-R5 ROOFING METAL ROOFING

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This report consists of Evaluation Report (3 Pages including cover) Installation Details (2 Pages)

> Report No. C2400-2 Date: 10.9.2020



Manufacturer: Union Corrugating Company

Product Name: 5V Panel

Panel Description: 24" wide coverage with (5) 1/2" high ribs

Materials: Minimum 26 ga., 80 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.

Deck Description: Min. 19/32" thick APA rated plywood or min. <sup>3</sup>/<sub>4</sub>" thick wood plank

(min SG of 0.42) for new and existing constructions. Designed by

others and installed as per FBC 2020.

Underlayment: Minimum underlayment as per FBC 2020 Section 1507.4.5.1

Slope: 1/2:12 or greater in accordance with FBC 2020 Section 1507.4.2

Design Uplift Pressure: (Factor of Safety = 2)

Fastener pattern 1 120.9 psf at fastener spacing of 24" o.c.

Fastener pattern 2 85.8 psf at fastener spacing of 24" o.c.

113.1 psf at fastener spacing of 12" o.c.

Panel Attachment:

Fastener pattern 1 #9-15 or #10-14 x 1.5" long wood screw with washer. Fasteners are

corrosion resistant as per FBC 2020 Section 1507.4.4.

At panel ends max 6" o.c. across panel width through panel flat At interior max 12" o.c. across panel width through panel flat

Fastener pattern 2 #9-15 or #10-14 x 2" long wood screw with washer. Fasteners are

corrosion resistant as per FBC 2020 Section 1507.4.4.

At panel ends max 6" o.c. across panel width through panel flat and rib max 12" o.c. across panel width through panel rib

Test Standards: Roof assembly tested in accordance with TAS 125-03 'Standard

Requirements for Metal Roofing Systems'.

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 fastener spacing listed herein shall not be exceeded. This evaluation report is not applicable in High Velocity Hurricane Zone. Refer to current NOA for use of this product in High

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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.

Supporting Documents: TAS 125-03 Test Reports

Farabaugh Engineering and Testing Inc. Project No. T164-06, Reporting Date 6/8/06

Hurricane Test Laboratory

Report No. 0293-0202-06, Reporting Date 4/5/06

Hurricane Test Laboratory

Report No. 0293-0609-05, Reporting Date 8/31/05



