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

FLORIDA BUILDING CODE 5TH EDITION (2014) FLORIDA PRODUCT APPROVAL FL 7271.4-R3 ROOFING METAL ROOFING

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

> Report No. C1999-12 Date: 3.20.15



FL 7271.4-R3 C1999-12 3.20.15 Page 2 of 3

Manufacturer: Union Corrugating Company Product Name: 5V Panel Panel Description: 24" wide coverage with (5) 1/2" high ribs Minimum 26 ga., 80 ksi steel. Galvanized coated steel (ASTM A653) Materials: or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755). Min. 19/32" thick APA rated plywood or min. $\frac{3}{4}$ " thick wood plank Deck Description: (min SG of 0.42) for new and existing constructions. Designed by others and installed as per FBC 2014. Underlayment: Minimum underlayment as per FBC 2014 Section 1507.4.5.1 Slope: 1/2:12 or greater in accordance with FBC 2014 Section 1507.4.2 (Factor of Safety = 2) Design Uplift Pressure: Fastener pattern 1 120.9 psf @ fastener spacing of 24" o.c. Fastener pattern 2 85.8 psf @ fastener spacing of 24" o.c. 113.1 psf @ fastener spacing of 12" o.c. Panel Attachment: #9-15 or #10-14 x 1.5" long wood screw with washer Fastener pattern 1 At panel ends (a) max 6" o.c. across panel width through panel flat (a) max 12" o.c. across panel width through panel flat At interior Fastener pattern 2 #9-15 or #10-14 x 2" long wood screw with washer (a) max 6" o.c. across panel width through panel flat and rib At panel ends (a) max 12" o.c. across panel width through panel rib At interior 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 2014 Section 1507.4 **Product Limitations:** Design wind loads shall be determined for each project in accordance with FBC 2014 Section 1609 or ASCE 7-10 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 Velocity Hurricane Zone. Fire classification is not within scope of this

Evaluation Report. Refer to FBC 2014 Section 1505 and current

FL 7271.4-R3 C1999-12 3.20.15 Page 3 of 3 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

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



