

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

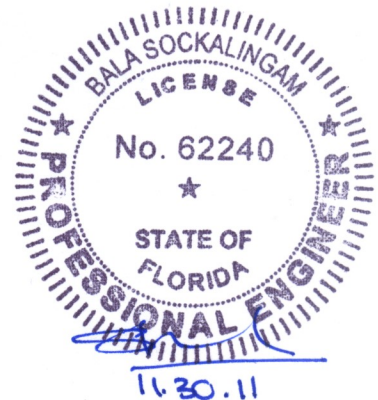
**FLORIDA PRODUCT APPROVAL
FL 7271.2-R2
ROOFING
METAL ROOFING**

**Prepared For:
Union Corrugating Company
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**This report consists of
Evaluation Report (2 Pages including cover)
Installation Details (1 Page)**

**Report No. C1805-10
Date: 11.30.11**



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).

Deck Description: Min. 15/32" thick plywood for new and existing constructions. Designed and installed as per FBC 2010.

Deck Attachment: 8d x 2.5" long ring shank nails or #8 x 2" long wood screws @ 6" o.c. in the plywood field and edges

Underlayment: Minimum underlayment as per FBC 2010 Section 1507.4.5

Slope: 1/2:12 or greater in accordance with FBC 2010 Section 1507.4.2

Design Uplift Pressure: 66.3 psf @ fastener spacing of 12" o.c.
(Factor of Safety = 2)

Panel Attachment: #9-15 x 2" long wood screw with washer
At panel ends @ max 6" o.c. across panel width
At intermediate @ max 12" o.c. across panel width

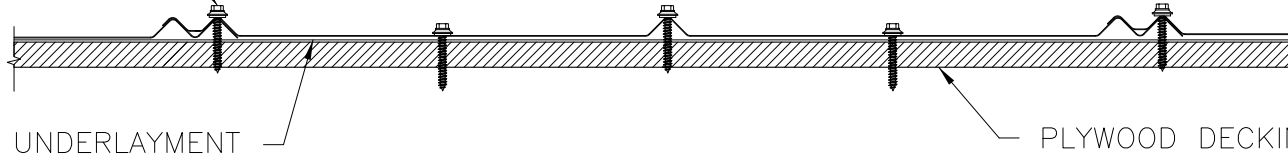
Test Standards: Roof assembly tested in accordance with UL580-94 'Uplift Resistance of Roof Assemblies' & UL1897-98 'Uplift Tests for Roof Covering Systems'.

Code Compliance: The product described herein has demonstrated compliance with FBC 2010 Section 1507.4.

Product Limitations: Design wind loads shall be determined for each project in accordance with FBC 2010 Section 1609 or ASCE 7-10 using allowable stress design. The maximum fastener spacing listed herein shall not be exceeded. This product is not approved for use in the High Velocity Hurricane Zone. Fire classification is not within scope of this Evaluation Report. Refer to FBC 2010 Section 1505 and current approved roofing materials directory or ASTM E108/UL790 report from an accredited laboratory for fire ratings of this product.

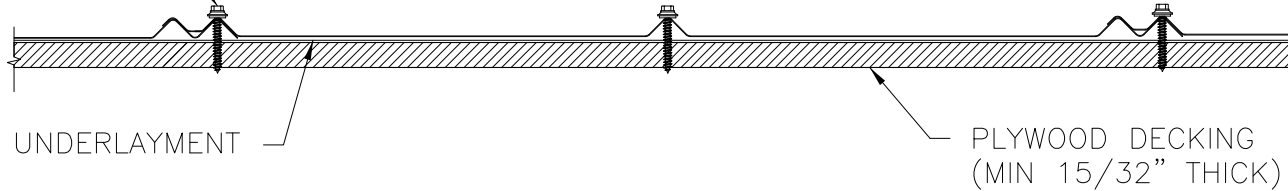
Supporting Documents: UL580/UL1897 Test Report
Farabaugh Engineering and Testing Inc
Project No. T187-06, Reporting Date 7/25/06

PANEL FASTENER
#9-15 X 2" LONG
WOOD SCREW



FASTENER PATTERN @ EAVE, RIDGE & VALLEY

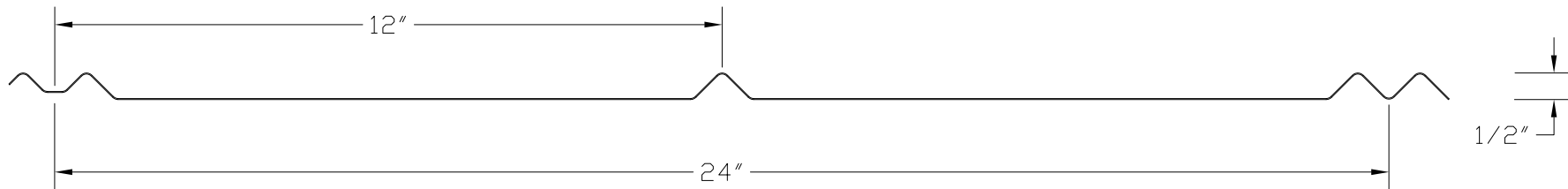
PANEL FASTENER
#9-15 X 2" LONG
WOOD SCREW



FASTENER PATTERN @ INTERMEDIATE LOCATIONS

ALLOWABLE UPLIFT PRESSURE

FASTENER SPACING (IN)	PRESSURE (PSF)
12	66.3



5V Panel Profile

Min 26 Gauge, Minimum Yield = 80 KSI

REV	DATE	REV	DATE
1		1	11-28-2011
5V Panel		NAME	Bala Sockalingam
CAD FILE:		DRAWN:	Bala Sockalingam
5V		CHECKED:	
SCALE		APPROVED:	
NONE			
UNION CORRUGATING COMPANY 701 SOUTH KING ST FAYETTEVILLE, NC 28302 Ph: 910-485-2195 Fax: 910-485-1981			
DATE: 11-28-2011			
1 OF 1			
Sheet No.			