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

FLORIDA BUILDING CODE 6TH EDITION (2017)
FLORIDA PRODUCT APPROVAL
FL 7271.2-R4
ROOFING
METAL ROOFING

Prepared For:
Union Corrugating Company
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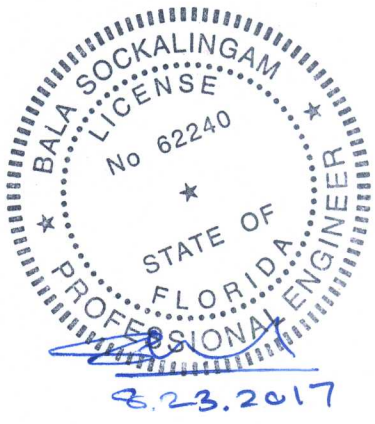
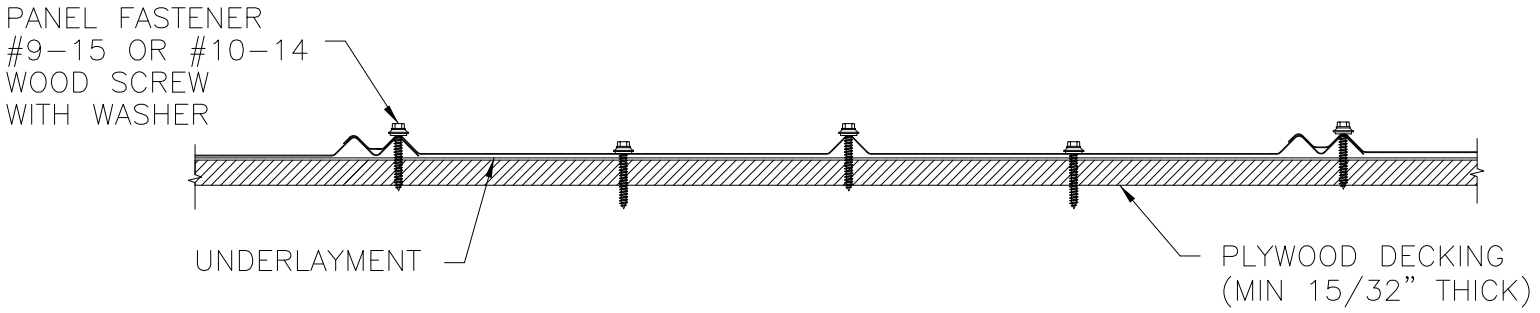
This report consists of
Evaluation Report (3 Pages including cover)
Installation Details (1 Page)



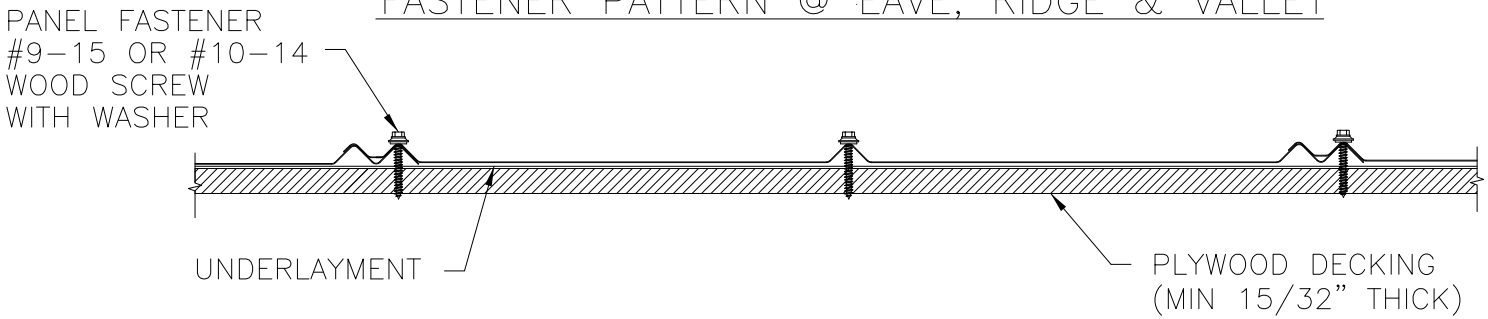
Report No. C2174-2
Date: 8.23.2017

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 APA rated plywood or min. ¾" thick wood plank (min SG of 0.42) for new and existing constructions. Designed by others and installed as per FBC 2017.
Underlayment:	Minimum underlayment as per FBC 2017 Section 1507.4.5.1
Slope:	1/2:12 or greater in accordance with FBC 2017 Section 1507.4.2
Design Uplift Pressure: (Factor of Safety = 2)	66.3 psf @ fastener spacing of 12" o.c.
Panel Attachment:	#9-15 or #10-14 x long wood screw with washer. Fastener shall be of sufficient length to penetrate through the deck a minimum of 3/8".
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'.
Test Equivalency:	The test procedures in UL 580-94 comply with test procedures prescribed in UL 580-06. The test procedures in UL 1897-98 comply with test procedures prescribed in UL 1897-12.
Code Compliance:	The product described herein has demonstrated compliance with FBC 2017 Section 1507.4.
Product Limitations:	Design wind loads shall be determined for each project in accordance with FBC 2017 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. Fire classification is not within scope of this Evaluation Report. Refer to FBC 2017 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



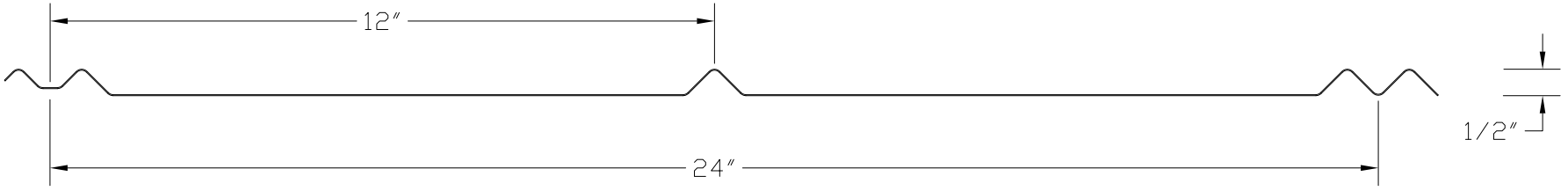
FASTENER PATTERN @ EAVE, RIDGE & VALLEY



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

REVISIONS

REV.	DATE
1	

5V Panel

SCALE: NONE
DRAWN: Bala Sockalingam
DATE: 3–19–2015
CHECKED:
APPROVED:
CAD FILE: 5V

UNION CORRUGATING COMPANY
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DATE: 3–19–2015

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Sheet No.