EVALUATION REPORT OF
UNION CORRUGATING COMPANY
'26 GA. ADVANTAGE-LOK II'

FLORIDA PRODUCT APPROVAL
FL 7271.6-R3
ROOFING
METAL ROOFING

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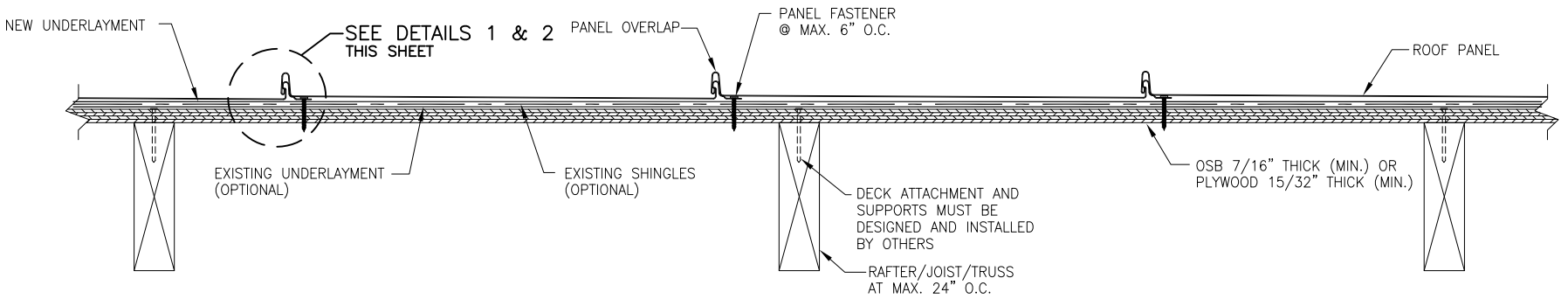
This report consists of
Evaluation Report (3 Pages including cover)
Installation Details (1 Page)

Report No. C1999-14
Date: 3.20.15

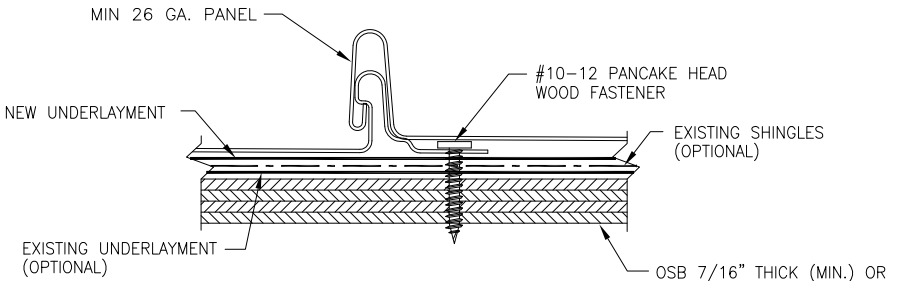
Manufacturer:	Union Corrugating Company
Product Name:	Advantage-Lok II Panel
Panel Description:	Max. 16" wide coverage with 1" high ribs
Materials:	Minimum 26 ga., 50 ksi steel. Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755).
Deck Description:	Min. 7/16" thick OSB or 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 2014.
New Underlayment:	Minimum underlayment as per FBC 2014 Section 1507.4.5.1. Required for new construction.
Existing Underlayment: (Optional)	One layer of asphalt shingles over one layer of #30 felt. For reroofing construction only.
Slope:	1/2:12 or greater in accordance with FBC 2014 Section 1507.4.2
Design Uplift Pressure: (Factor of Safety = 2)	52.5 psf @ panel fastener spacing of 6" o.c. along seam 112.5 psf @ seam fastener spacing of 6" o.c. along seam with 3/16" diameter bead sealant in panel seam
Panel Attachment:	#10-12 pancake head wood screws along panel seam. Fastener shall be of sufficient length to penetrate through the deck a minimum of 3/8".
Seam Sealant:	Sikaflex-201 Sealant. In lieu of Sikaflex, adhesive/sealant with greater or equal tensile properties may be used.
Test Standards:	Roof assembly tested in accordance with UL580-06 'Uplift Resistance of Roof Assemblies' & UL1897-04 'Uplift Tests for Roof Covering 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 approved roofing materials directory or ASTM E108/UL790 report from an accredited laboratory for fire ratings of this product.

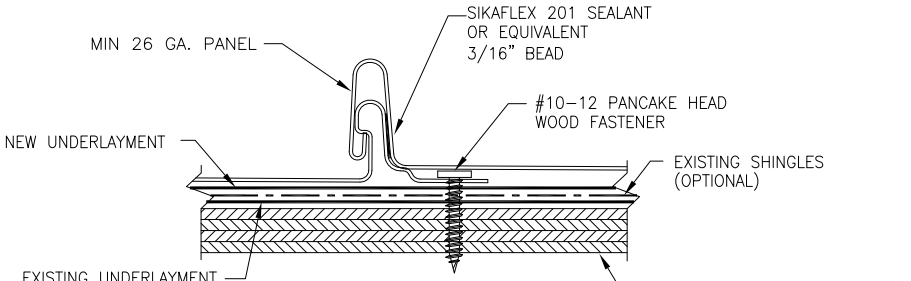
Supporting Documents: UL580 & UL1897 Test Reports
PRI Construction Materials Technologies
UCC-006-02-1 Rev 1, Reporting Date 2/10/12



TYPICAL PANEL INSTALLATION X-SECTION



DETAIL 1



DETAIL 2

ALLOWABLE UPLIFT PRESSURE

FASTENER SPACING ALONG RIB	SEAM SEALANT DIAMETER	PRESSURE (PSF)
6"	NONE	52.5
6"	3/16"	112.5

GENERAL NOTES:

1. ARCHITECTURAL ROOF PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. ALL ROOF PANELS ARE SHALL BE 26 GA. EFFECTIVE COVERING WIDTH OF OF PANEL = 16".
3. THE ROOF PANELS SHALL BE INSTALLED OVER SHEATHING & STRUCTURE AS SPECIFIED ON THIS DRAWING.
4. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT. THIS PANEL SYSTEM MAY NOT BE INSTALLED WHEN THE REQUIRED DESIGN WIND LOADS ARE GREATER THAN THE ALLOWABLE WIND LOAD TABLE.
5. ALL FASTENERS MUST BE IN ACCORDANCE WITH THIS DRAWING & THE FLORIDA BUILDING CODE. IF A DIFFERENCE OCCURS BETWEEN THE MINIMUM REQUIREMENTS OF THIS DRAWING & THE CODE, THE CODE SHALL CONTROL.
6. RAFTERS/JOISTS/TRUSSES MUST BE DESIGNED TO WITHSTAND WIND LOADS AS REQUIRED FOR EACH APPLICATION AND ARE THE RESPONSIBILITY OF OTHERS.

DRAWN BY: B.S. | CHECKED BY: J.S.
PLOT: | DATE: 3/19/15

NO.	REVISION DESCRIPTION	BY	DATE

DRAWING TITLE: ADVANTAGELOK II PANEL

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DRAWING NO. C1999-14 | REV.

SHEET NO. 1 OF 1