EVALUATION REPORT OF
UNION CORRUGATING COMPANY
'26 GA. MASTERRIB PANEL'
OVER STEEL SUPPORTS

FLORIDA BUILDING CODE 5TH EDITION (2014)
FLORIDA PRODUCT APPROVAL
FL 9555.2-R3
STRUCTURAL COMPONENTS
ROOF DECK

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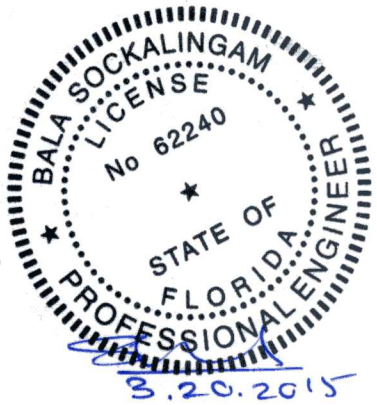
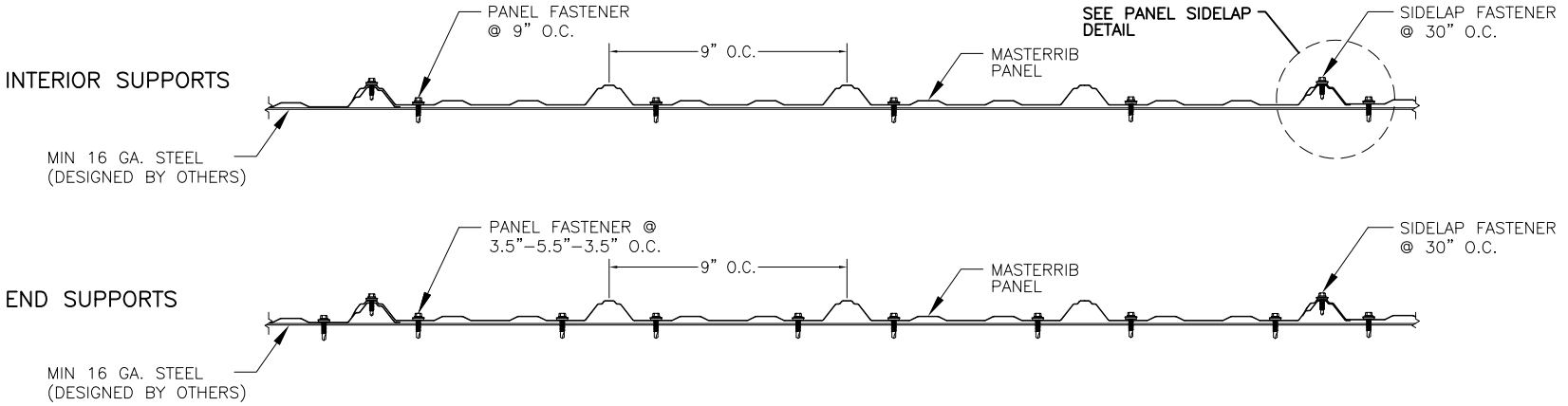
This report consists of
Evaluation Report (2 Pages including cover)
Installation Details (1 Page)

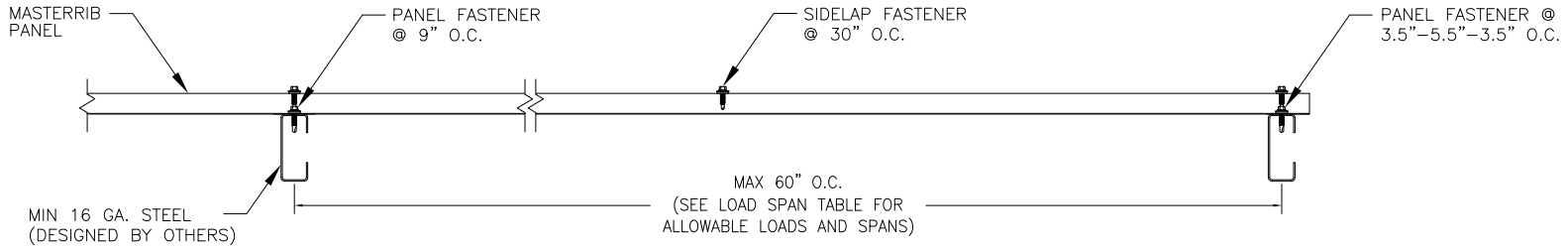


Report No. C1999-4
Date: 3.20.2015

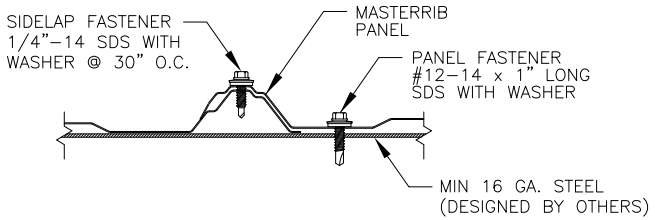
Manufacturer:	Union Corrugating Company
Product Name:	MasterRib Panel
Panel Description:	36" wide coverage with 3/4" high ribs at 9" o.c.
Materials:	Minimum 26 ga., 80 ksi steel. Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755).
Support Description:	Min 16 ga., 50 ksi steel. (Must be designed by others)
Slope:	1/2:12 or greater in accordance with FBC 2014 Section 1507.4.2
Design Uplift Pressure: (Factor of Safety = 2)	47.2 psf @ maximum support spacing of 60" o.c.
Support Attachment: At end supports At intermediate supports	#12-14 x 1" long self drilling screws with washers @ 3.5"-5.5"-3.5" o.c. across panel width @ 9" o.c. across panel width
Sidelap Attachment:	¼"-14 x 7/8" long SDS with washer @ 30" o.c.
Test Standards:	Roof assembly tested in accordance with ASTM E1592-01 'Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference' and FM 4470 Section 5.5 'Resistance to Foot Traffic'.
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 support spacing listed herein shall not be exceeded. The design uplift pressure for reduced support spacing may be computed using rational analysis prepared by a Florida Professional Engineer or based on Union Corrugating load span table. 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 2014 Section 1505 and current approved roofing materials directory for fire ratings of this product.
Supporting Documents:	ASTM E1592 Test Reports Farabaugh Engineering and Testing Inc Project No. T163-06, Reporting Date 6/7/06 FM 4470 Test Report ENCON Technology Inc C1583-2, Reporting Date 7/24/08



TYPICAL PANEL INSTALLATION X–SECTION



SECTION VIEW



PANEL SIDELAP

GENERAL NOTES:

1. ROOF PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. ROOF PANELS SHALL BE 26 GA. (t = 0.017"). EFFECTIVE COVERING WIDTH OF PANEL = 36".
3. ROOF PANELS SHALL BE INSTALLED OVER 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 DESIGN LOADS.
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. SUPPORTS MUST BE DESIGNED TO WITHSTAND WIND LOADS AS REQUIRED REQUIRED FOR EACH APPLICATION AND ARE THE RESPONSIBILITY OF OTHERS.
7. PANELS MAY SPAN BETWEEN EAVE TO RIDGE SUPPORTS OR RAKE TO RAKE SUPPORTS.

DRAWN BY: B.S. | CHECKED BY:
PLOT: | DATE:

NO.	REVISION DESCRIPTION	BY	DATE

DRAWING TITLE: MASTERRIB ROOF PANEL OVER STEEL SUPPORTS

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DRAWING NO. 1999-4 | REV.

SHEET NO. 1 OF 1