

**EVALUATION REPORT OF
EUSTIS ROOFING COMPANY
'ERC FF 100 PANEL'**

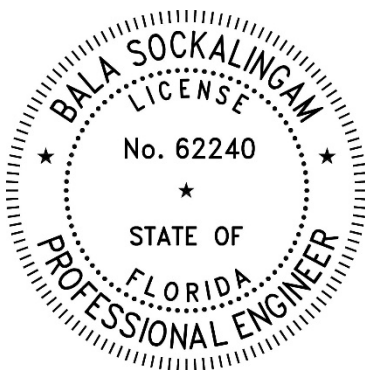
**FLORIDA BUILDING CODE 8TH EDITION (2023)
FLORIDA PRODUCT APPROVAL
FL 41682.1-R1
ROOFING
METAL ROOFING**

**Prepared For:
Eustis Roofing Company
15311 Old US Hwy 441, Ste A
Tavares, FL 32778
Telephone: (352) 343-4240**

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

**Report No. C2725-2
Date: 9.9.2023**



This item has been digitally signed and sealed by Bala Sockalingam, PE, on the date indicated.

Printed copies of this document are not considered signed and sealed and this signature must be verified on any electronic copies.

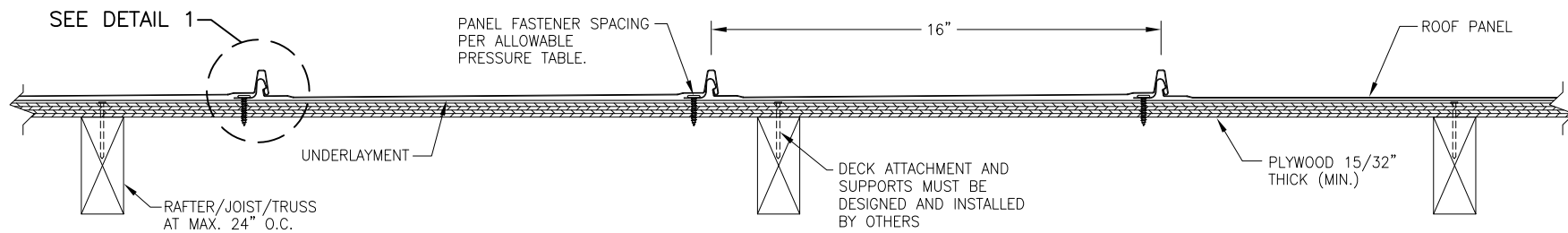
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Manufacturer:	Eustis Roofing Company
Product Name:	ERC FF 100 Panel
Panel Description:	Max. 16" wide coverage with 1" high ribs
Materials:	Minimum 24 ga., 50 ksi steel. Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755). Corrosion resistant as per FBC 2023 Section 1507.4.3.
Deck Description:	Min. 15/32" thick APA rated plywood or min. 3/4" thick wood plank (min SG of 0.42) for new and existing constructions. Designed by others and installed as per FBC 2023.
Underlayment:	Minimum underlayment as per FBC 2023 Section 1507.4.5.1. Required for new construction.
Slope:	1/2:12 or greater in accordance with FBC 2023 Section 1507.4.2. Requires applied lap sealant for roof slopes less than 3:12.
Design Uplift Pressure: (Factor of Safety = 2)	56.0 psf at panel fastener spacing of 15-9/16" o.c. along seam 97.3 psf at panel fastener spacing of 10-3/8" o.c. along seam 138.5 psf at panel fastener spacing of 5-3/16" o.c. along seam
Panel Attachment:	#10-12 x 1" long pancake head wood screw. Fastener shall be of sufficient length to penetrate through the deck a minimum of 1/4". Fastened through 1" x 1/4" slots which spaced at 5-3/16" o.c. along seam. Fasteners are corrosion resistant as per FBC 2023 Section 1507.4.4.
Test Standards:	Roof assembly tested in accordance with UL580-06 'Uplift Resistance of Roof Assemblies' & UL1897-04 'Uplift Tests for Roof Covering Systems'.
Test Equivalency:	The test procedures in UL 1897-04 comply with test procedures prescribed in UL 1897-15.
Code Compliance:	The product described herein has demonstrated compliance with FBC 2023 Section 1507.4.
Product Limitations:	Design wind loads shall be determined for each project in accordance with FBC 2023 Section 1609 or ASCE 7-22 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 the scope of this Evaluation Report. Refer to FBC 2023 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
Force Engineering & Testing, Inc.
78-0104T-13A, B, Reporting Date 6/28/2013

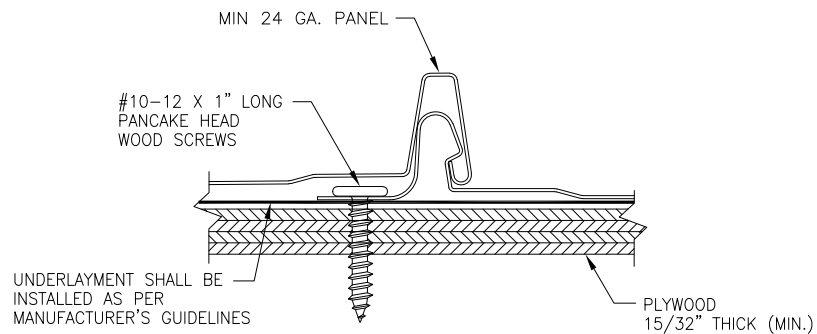
(Eustis Roofing Company is authorized to use Karr's Building Supply & Service's Test Report)



TYPICAL PANEL INSTALLATION X-SECTION

ALLOWABLE UPLIFT PRESSURE

FASTENER SPACING ALONG RIB	PRESSURE (PSF)
15-9/16"	56.0
10-3/8"	97.3
5-3/16"	138.5



DETAIL 1

GENERAL NOTES:

1. ARCHITECTURAL STANDING SEAM ROOF PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. ROOF PANELS SHALL BE MIN. 24 GA. MAX. EFFECTIVE COVERING WIDTH 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 DESIGN UPLIFT PRESSURES SPECIFIED ON THIS DRAWING.
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: H.F.	
PLOT: DATE: 9/22/2022			
DATE		REVISION DESCRIPTION	
BY			
NO.			
DRAWING TITLE: ERC FF 100		MANUFACTURER: EUSTIS ROOFING COMPANY	
CONSULTANT: BALA SOCKALINGAM, PH.D., P.E.		15311 Old US Hwy 441, Ste A	
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DRAWING NO. D2725-2		REV.	
SHEET NO. 1		OF 1	