



<b>Product</b>	<b>PBR</b>
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<b>FL No.</b>	<b>9555.6</b>
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<b>Material</b>	<b>Finish</b>
	Galvalume
	Painted

<b>Gauge (minimum)</b>	<b>26</b>
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<b>Support Description</b>	<b>Steel</b>
<b>Gauge (minimum)</b>	16
Must be designed by others	

<b>Roof Slope Ranges</b>	<b>Sealant</b>
<b>Slope: 1/2 /12 to less than 3/12</b>	Side Lap
<b>Slope: 3/12 and greater</b>	None

<b>Panel Fasteners</b>	<b>Spacing</b>
<b>SDS Screws: #12-14 x 1" long</b>	See Tables
<b>Side Lap SDS Screws: #1/4 - 14</b>	20" o.c.

**Support Spacing (in) (Min 3 spans)**

Wind Z Speed mph	one No. Roof Hip Location	Roof Slope			
		Gable Roof			Roof
		.5 to <1.5/12	1.5 to <6/12	6 to 12/12	1.5 to 5.5/12
100	1 Field	60	60	60	60
	2 Edge	60	60	60	60
	3 Corner	48	48	60	60
110	1 Field	60	60	60	60
	2 Edge	60	60	60	60
	3 Corner	36	36	60	60
120	1 Field	60	60	60	60
	2 Edge	48	48	48	60
	3 Corner	30	36	48	60
130	1 Field	60	60	60	60
	2 Edge	36	36	36	60
	3 Corner	30	30	36	60
140	1 Field	60	60	60	60
	2 Edge	36	36	36	48
	3 Corner	24	24	36	48

**Fastener Spacing\* (across panel width)**

<b>Panel Ends (eave, valley, hip and ridge)</b>	<b>Location</b>
Place fasteners 2" from panel end	Ribs and Flat
<b>Between Panel Ends (Intermediates):</b>	Ribs Only

\*Fastener spacing based on testing and rational analysis

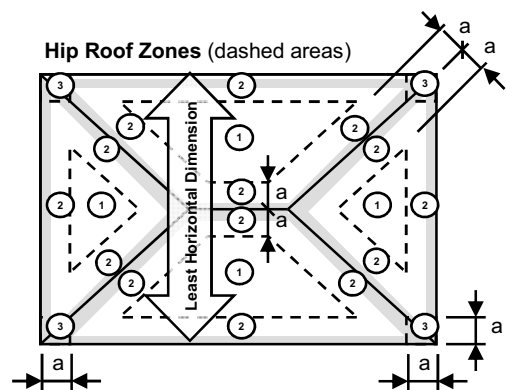
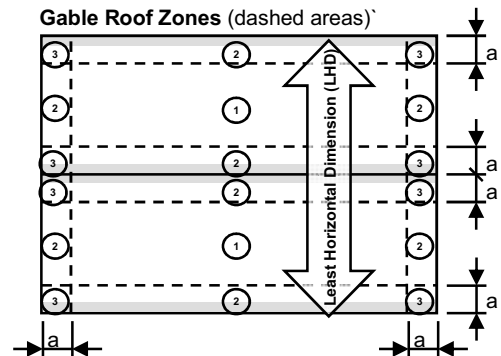
**Notes:**

1. Read all Notes before purchasing material and check compliance of the product with local building code requirements.
2. The Fastener Spacing Table below is based on a mean roof height of up to 25' for Exposure C. For roof eave heights over 25' and other exposures contact Union Corrugating Company.
3. Installation must be in complete compliance with the materials and related specifications listed on this page, PBR Installation drawings, and the Florida Building Code RAS No. 133.
4. See PBR installation drawings for additional approved trim details and applications.
5. Refer to Florida Building Code RAS No. 133 "Standard Procedures for Installation of Metal Roof Systems".
6. For applications not in compliance with this product approval as listed contact Union Corrugating Company for other options.
7. This application and installation method is not for use in HVHZ areas governed by Miami Dade Product Approval. See the Union Corrugating Miami Dade Approved Product use guide for these areas.
8. If the roof has both Gables and Hips use the Gable Roof Fastener Spacing Table.
9. For Hip Roof slopes greater than 5.5/12 use Gable Roof Table, 6 to 12/12 column.
10. Guide is subject to change without notice.

**Calculate Zone width (dimension "a"):**

$a = \text{LHD} \times 10\%$

Note: "a" must be a minimum of 3'.



Gray highlighted lines indicate the location of panel end fastening at the eave, hip, valley (not shown), and ridge.

**EVALUATION REPORT OF  
UNION CORRUGATING COMPANY  
'26 GA. PBR ROOF PANEL'  
OVER STEEL SUPPORTS**

**FLORIDA PRODUCT APPROVAL  
FL 9555.6-R1  
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. C1605-8  
Date: 8.17.08**



Manufacturer: Union Corrugating Company

Product Name: PBR Panel

Panel Description: 36" wide coverage with 1-1/4" high ribs at 12" o.c.

Materials: Min 26 ga. with galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755) in Grade E ( $F_y = 80$  ksi).

Support Description: Min 16 ga., 50 ksi steel

Slope: 1/2:12 or greater in accordance with FBC 2007 Section 1507.4.2

Design Uplift Pressure:  
(Factor of Safety = 2) 52.5 psf @ maximum support spacing of 60" o.c.

Support Attachment:  
At All Supports: #12-14 x 1" long SDS @ 12" o.c. across panel width

Sidelap Attachment: 1/4"-14 x 7/8" long SDS @ 20" o.c.

Test Standards: Roof assembly tested in accordance with UL-580-94 'Uplift Resistance of Roof Assemblies' and FM 4470 Section 5.5 'Resistance to Foot Traffic'.

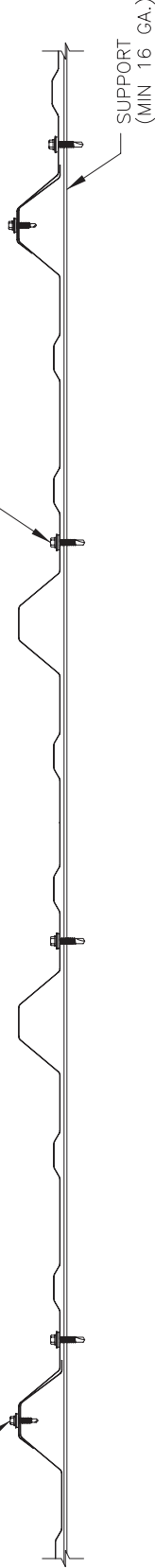
Code Compliance: The product described herein has demonstrated compliance with FBC 2007 Section 1507.4.

Product Limitations: Design wind loads shall be determined for each project in accordance with FBC 2007 Section 1609. 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. This product is not approved for use in the High Velocity Hurricane Zone.

Supporting Documents: UL Roof Deck Construction No. 161  
  
FM 4470 Test Report  
ENCON Technology Inc  
C1583-1, Reporting Date 7/24/08

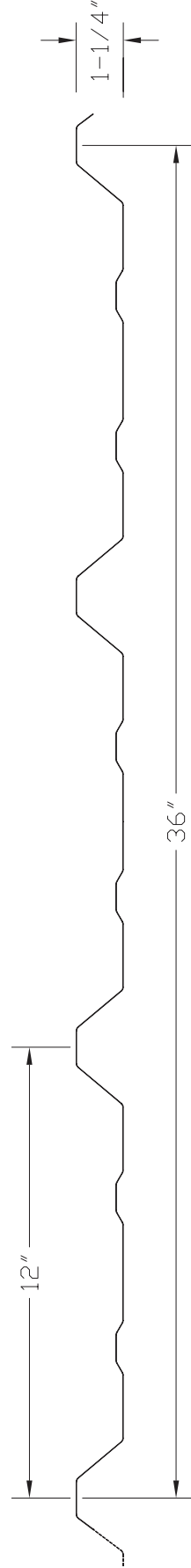
SIDLAP FASTENER  
#1/4-14 x 7/8" LONG  
@ 20" O.C.

PANEL FASTENER  
#12-14 x 1" LONG  
@ 12" O.C.



FASTENER PATTERN @ INTERMEDIATE & END SUPPORTS

PANEL FASTENER SPACING ALONG RIB	60"	PRESSURE (PSF)	52.5
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**PBR Panel Profile**

Min 26 Gauge, Minimum Yield = 80 KSI

REV	DATE	REVISIONS
1		

**PBR Panel**

CAD FILE: SV

SCALE: NONE

DRAWN: Bala Sockalingam

NAME

DATE: 8-15-2008

UNION CORRUGATING  
COMPANY  
701 SOUTH KING ST  
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PH: (910) 482-2195 FAX: (910) 482-1091

DATE: 8-15-2008

1 of 1

Sheet No.

