

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ [www.floridabuilding.org](http://www.floridabuilding.org)

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
<b>1. EXTERIOR DOORS</b>			
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
<b>2. WINDOWS</b>			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
<b>3. PANEL WALL</b>			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
<b>4. ROOFING PRODUCTS</b>			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL	Union	29 GA master rib panel	FL 9555, 5135
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
<b>5. STRUCT COMPONENTS</b>			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
<b>6. NEW EXTERIOR</b>			
<b>ENVELOPE PRODUCTS</b>			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.  
Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

NOTES: \_\_\_\_\_  
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**EVALUATION REPORT OF  
UNION CORRUGATING COMPANY  
'29 GA. MASTERBIB PANEL'  
OVER WOOD SUPPORTS**

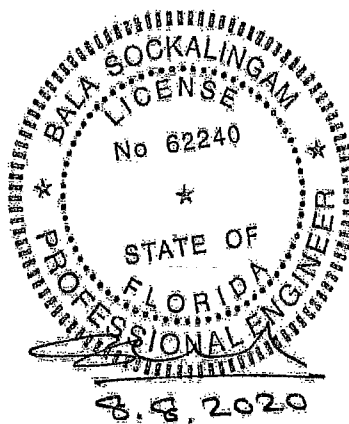
**FLORIDA BUILDING CODE 7TH EDITION (2020)  
FLORIDA PRODUCT APPROVAL  
FL 9555.5-R5  
STRUCTURAL COMPONENTS  
ROOF DECK**

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**This report consists of  
Evaluation Report (3 Pages including cover)  
Installation Details (1 Page)  
Load Span Table (1 Page)**

**Report No. C2373-5  
Date: 8.8.2020**

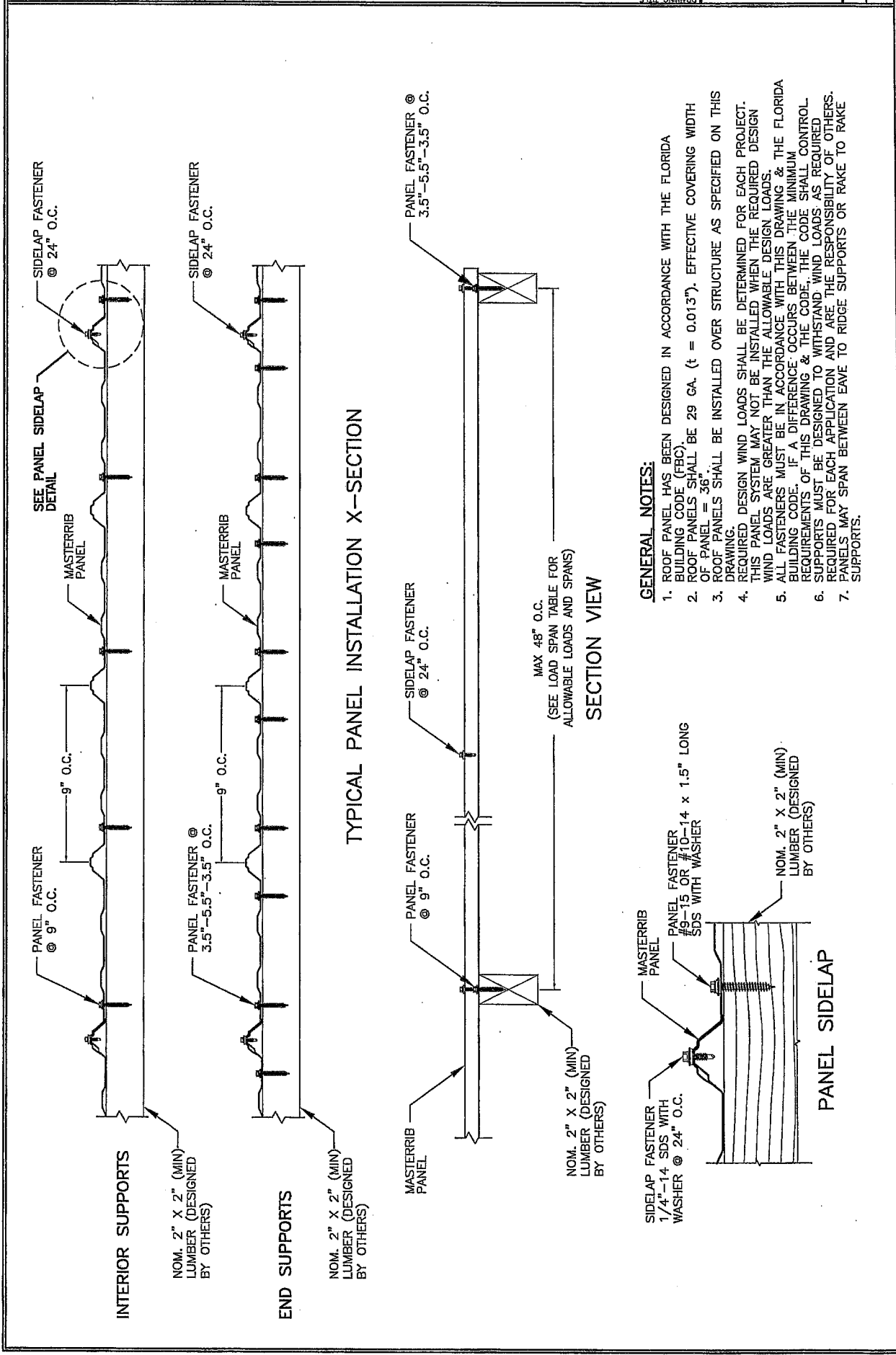


Manufacturer:	Union Corrugating Company
Product Name:	MasterRib Panel
Panel Description:	36" wide coverage with 3/4" high ribs at 9" o.c.
Materials:	Minimum 29 ga., 80 ksi steel. Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755). Corrosion resistant as per FBC 2020 Section 1507.4.3.
Support Description:	Nom. 2" x 2" (min) SPF, SYP or DF lumber. (Must be designed by others)
Slope:	1/2:12 or greater in accordance with FBC 2020 Section 1507.4.2
Design Pressure: (Based on testing)	+27.1 and -36.2 psf at support spacing of 48" o.c. (at 3 span condition with FS = 2.0)
Panel Attachment:	#9-15 or #10-14 x 1.5" long wood screws with washers. Fasteners are corrosion resistant as per FBC 2020 Section 1507.4.4.
At panel ends	at 3.5"-5.5"-3.5" o.c. across panel width
At intermediate	at 9" o.c. across panel width
Sidelap Attachment:	¼"-14 x 7/8" long SDS with washer at 24" o.c. Fasteners are corrosion resistant as per FBC 2020 Section 1507.4.4.
Test Standards:	Panel 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'.
Test Equivalency:	The test procedure in ASTM E1592-01 comply with test procedure prescribed in ASTM E1592-05(2012). The test procedure in FM 4470 (1992) comply with test procedure prescribed in FM 4470 (2016) Section 4.6 'Resistance to Foot Traffic'.
Code Compliance:	The product described herein has demonstrated compliance with FBC 2020 Section 1507.4.
Product Limitations:	Design wind loads shall be determined for each project in accordance with FBC 2020 Section 1609 or ASCE 7-16 using allowable stress design. The maximum support spacing listed herein shall not be exceeded. The design 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 2020 Section 1505 and current approved roofing materials directory for fire ratings of this product.

Supporting Documents: ASTM E1592 Test Report  
ENCON Technology Inc.  
C1514-1 (Test #2 & 3), Reporting Date 9/8/07

FM 4470 Test Report  
ENCON Technology Inc.  
C1583-2, Reporting Date 7/24/08



**GENERAL NOTES:**

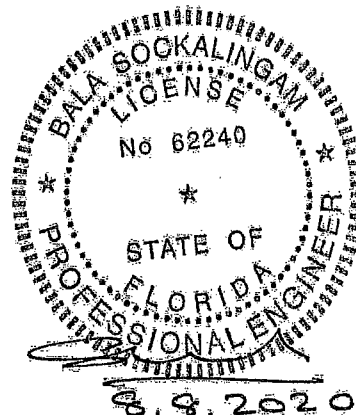
1. ROOF PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. ROOF PANELS SHALL BE 29 GA. (t = 0.013"). EFFECTIVE COVERING WIDTH OF PANEL = 36".
3. ROOF PANELS SHALL BE INSTALLED OVER STRUCTURE AS SPECIFIED ON THIS DRAWING.
4. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR 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 FOR EACH APPLICATION AND ARE THE RESPONSIBILITY OF OTHERS.
7. PANELS MAY SPAN BETWEEN EAVE TO RIDGE SUPPORTS OR RAKE TO RAKE SUPPORTS.

**UNION CORRUGATING COMPANY**  
**MasterRib Roof Panel**  
 36" wide, 29 ga. (min) Steel Panel over Wood Supports

Span Condition	Loading Type	Allowable Load (psf)								
		Support Spacing (ft)								
		1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.50	4.00
Two Span	Gravity	106.4	91.2	79.8	70.9	63.9	58.0	53.2	45.6	34.7
	Uplift	84.9	72.8	63.7	56.6	51.0	46.3	42.5	36.4	29.0
Three Span	Gravity	120.9	103.7	90.7	80.6	72.6	66.0	60.5	40.5	27.1
	Uplift	96.5	82.7	72.4	64.4	57.9	52.7	48.3	41.4	36.2
Four or More Spans	Gravity	116.4	99.8	87.3	77.6	69.8	63.5	58.2	43.0	28.8
	Uplift	92.9	79.6	69.7	61.9	55.7	50.7	46.5	39.8	33.8

**Notes:**

1. Allowable load for each condition is the smallest load calculated based on fastener capacity, panel strength and and deflection limit of L/180. Allowable loads are calculated for minimum 29 ga. panel.
2. The wind load is taken as 0.7 times the "component and cladding" loads for the purpose of determining deflection limit.
3. The panel allowable properties are determined from full scale ASTM E1592 tests at 4' 0" span
4. The panel fasteners are #9-16 or 10-14 x 1-1/2" long wood screws with washers. Fastener spacing across panel width is 9.0" o.c. in the interior supports and 3.5"-5.5"-3.5" o.c. at panel ends.
5. Sidelap fasteners are 1/4"-14 x 7/8" long self drilling screws with washers at 24" o.c.
6. Wood supports are minimum 2" x 2" lumber. All supports must be designed to resist all loads imposed on the panel.
7. Minimum bearing width of support is 1.5".
8. The panels may span from eave to ridge or rake to rake.
9. Panels must be installed as per Evaluation Report FL 9555.5 and Union current installation procedure.



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