

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).
Support Description:	Min 18 ga., min 50 ksi steel supports. (Must be designed by others)
Slope:	1/2:12 or greater in accordance with FBC 2017 Section 1507.4.2
Design Pressure: (Based on testing)	+27.1 and -37.7 psf @ support spacing of 48" o.c. (@ 3 span condition with FS = 2.0)
Panel Attachment: At panel ends At intermediate	#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:	1/4"-14 x 7/8" long SDS with washer @ 24" o.c.
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 (2012).
Code Compliance:	The product described herein has demonstrated compliance with FBC 2017 Section 1507.4.
Product Limitations:	Design wind loads shall be determined for each project in accordance with FBC 2017 Section 1609 or ASCE 7-10 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 2017 Section 1505 and current approved roofing materials directory for fire ratings of this product.

FL 9555.3-R4

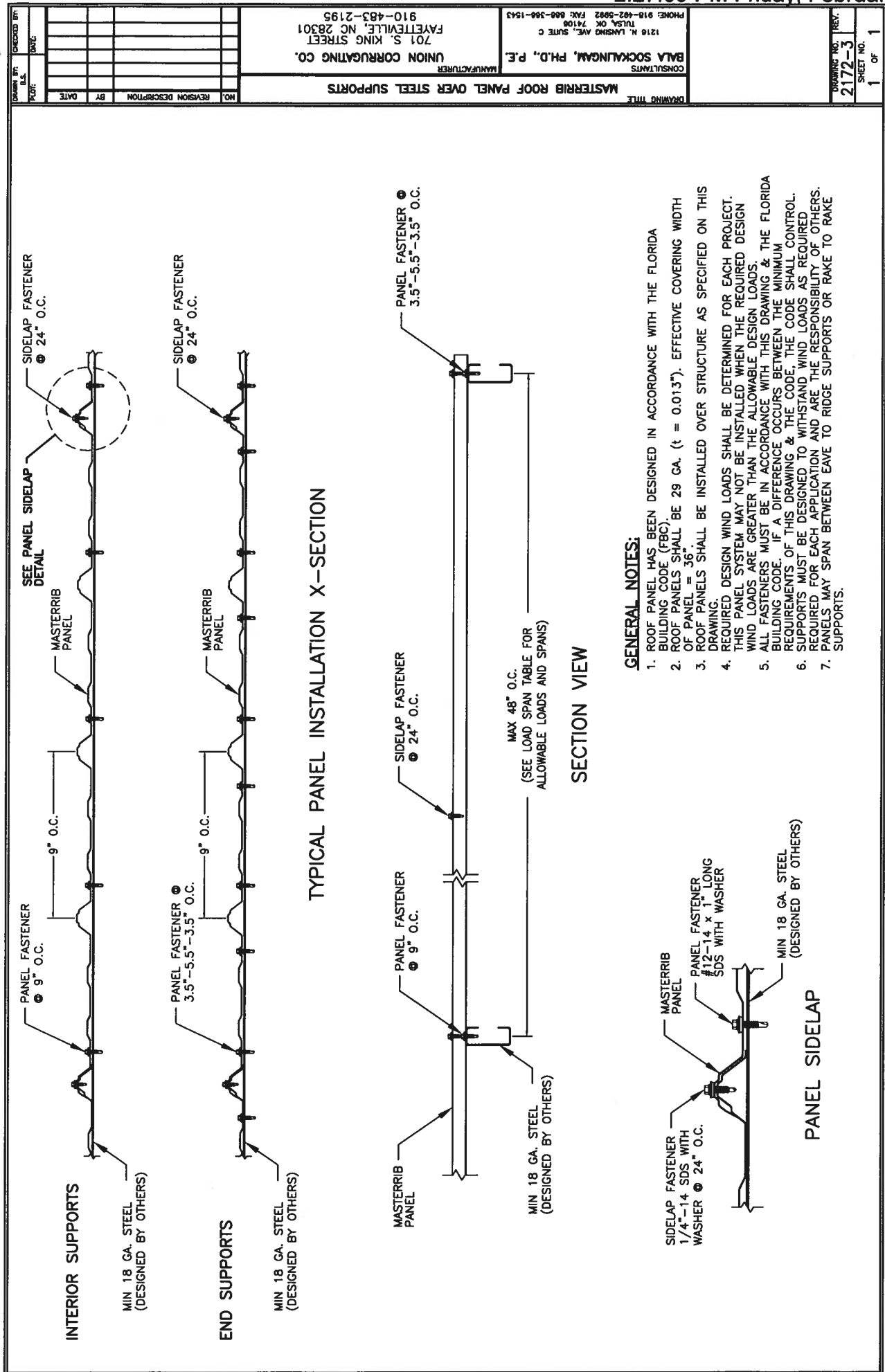
C2172-3

8.20.2017

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

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



MASTERRIB ROOF PANEL OVER STEEL SUPPORTS

NO.	REVISION DESCRIPTION	BY	DATE

 CHECKED BY: _____
 DATE: _____
 PLOT: _____