

**EVALUATION REPORT OF
METAL SALES MANUFACTURING CORPORATION
'24 GA. MAGNA-LOC PANEL'**

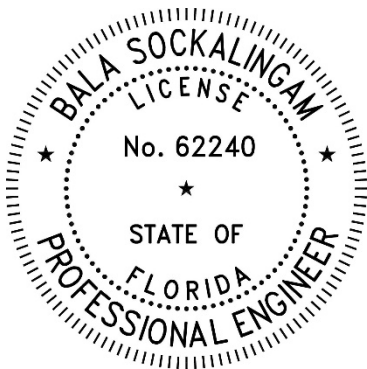
**FLORIDA BUILDING CODE 8TH EDITION (2023)
FLORIDA PRODUCT APPROVAL
FL 11560.5-R5
ROOFING
METAL ROOFING**

**Prepared For:
Metal Sales Manufacturing Corporation
7800 Highway 60
Sellersburg, IN 47172
Telephone: (502) 855-4300
Fax: (502) 855-4200**

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

**Report No. C2672-5
Date: 8.3.2023**



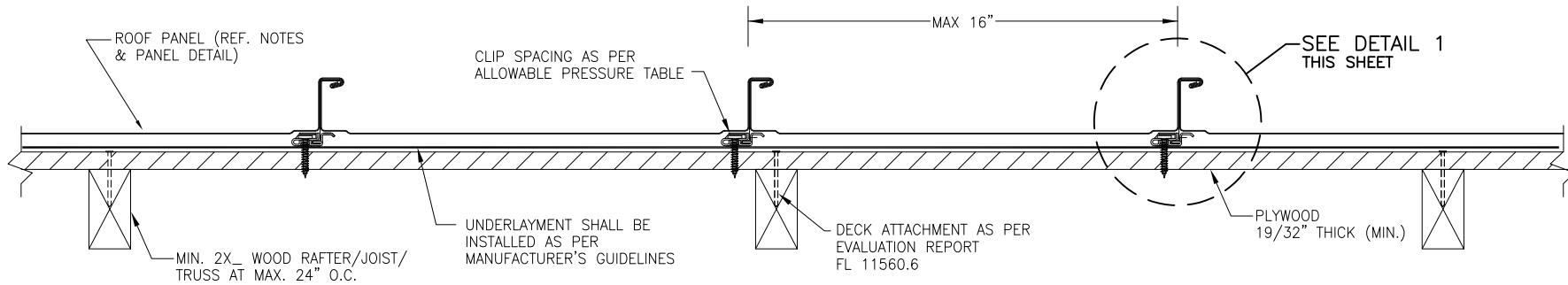
This item has been digitally signed and sealed by Bala Sockalingam, PE, on the date indicated.

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

Manufacturer:	Metal Sales Manufacturing Corporation
Product Name:	Magna-Loc
Panel Description:	Standing seam panel with 16" wide coverage and 2" high ribs
Materials:	Min. 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. 19/32" plywood or min. ¾" thick wood plank (min SG of 0.42) for new and existing constructions. Designed by others and installed as per FBC 2023.
Deck Attachment: (Minimum)	Minimum attachment: 8d x 2.5" long ring shank nails or #8 x 2" long wood screws at 6" o.c. in the field and edges. Deck fastener spacing at 3" o.c. in the field and edges in roof zones installed with MPW-1203-8 clip. Designed as per FBC 2023.
Underlayment:	Minimum underlayment as per FBC 2023 Section 1507.4.5.1.
Slope:	1/4:12 or greater in accordance with FBC 2023 Section 1507.4.2
Design Uplift Pressure:	95.2 psf at MC 1203 clip spacing of 30" o.c. 101.0 psf at MC 1203 clip spacing of 15" o.c. 123.5 psf at MC 1203 clip spacing of 8" o.c. 166.0 psf at MPW-1203-8 clip spacing of 12" o.c.
Panel Attachment:	MC 1203 clip with (2) #12-11 x 1-1/2" long low profile wood screws per clip MPW-1203-8 clip with (4) #12-11 x 1-1/2" long low profile wood screws per clip Clips and fasteners are corrosion resistant as per FBC 2023 Section 1506.7 and 1507.4.4, respectively.
Test Standards:	Roof assembly tested in accordance with TAS 125-03 'Standard Requirements for Metal Roofing Systems'.
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 clip spacing listed herein shall not be exceeded. The design pressure for reduced clip spacing may be computed using rational analysis prepared by a Florida Professional Engineer. This

evaluation report is not applicable in High Velocity Hurricane Zone. Refer to current NOA for use of this product 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.

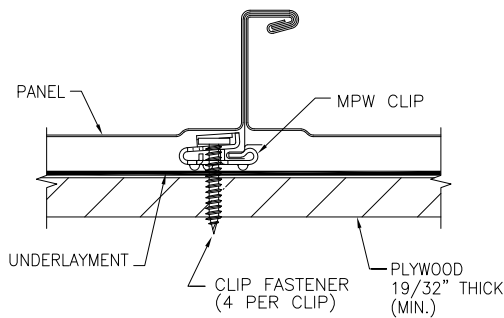
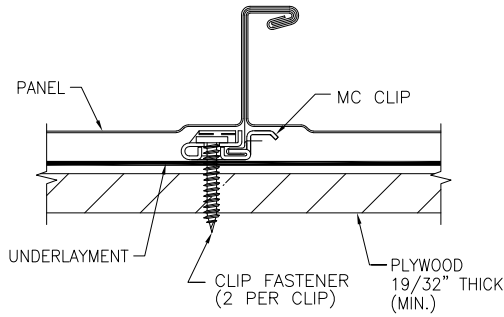
Supporting Documents: TAS 125 Test Reports
Farabaugh Engineering and Testing Inc.
Project No. T242-08, Reporting Date 8/25/2008
Project No. T292-14, Reporting Date 9/19/2014



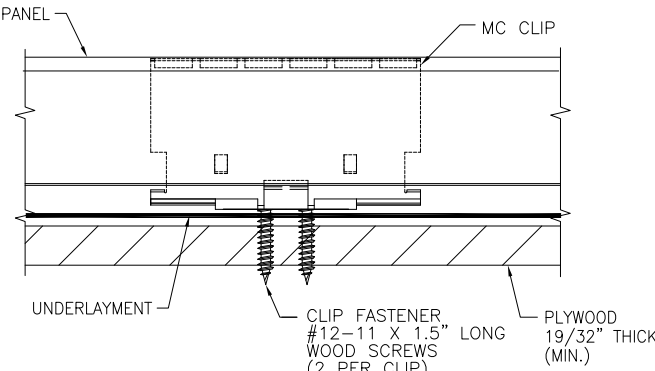
TYPICAL PANEL INSTALLATION X-SECTION

ALLOWABLE UPLIFT PRESSURE

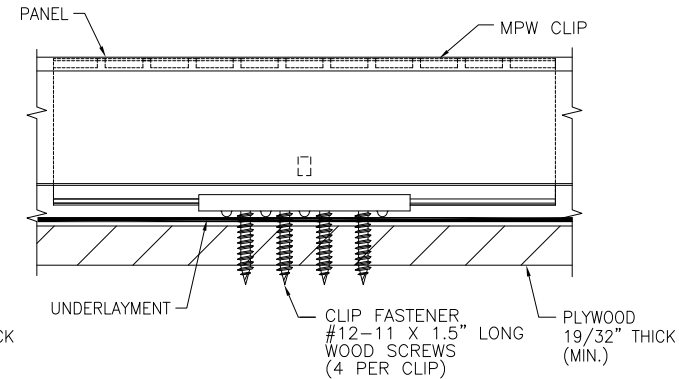
CLIP TYPE	CLIP SPACING	PRESSURE (PSF)
MC 1203	30"	95.2
MC 1203	15"	101.0
MC 1203	8"	123.5
MPW-1203-8	12"	166.0



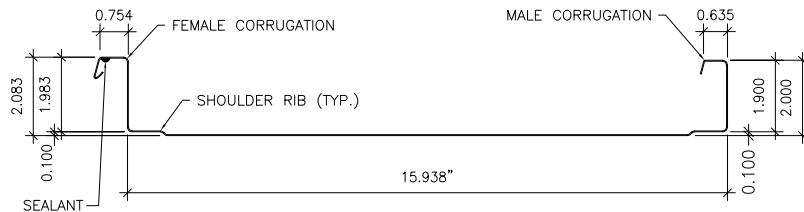
**CLIP SECTION VIEW
DETAIL 1**



CLIP SIDE VIEW



CLIP SIDE VIEW



**PANEL SECTION
(MIN 24 GA.)**

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. (t = 0.022"). MAX. EFFECTIVE COVERING WIDTH OF PANEL = 16".
3. THE 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 WIND LOADS SPECIFIED ON THIS DRAWING.
5. CLIPS AND FASTENERS MUST BE IN ACCORDANCE WITH THIS DRAWING & FLORIDA BUILDING CODE. IF A DIFFERENCE OCCURS BETWEEN THE MINIMUM REQUIREMENTS OF THIS DRAWING & THE CODE, THE CODE SHALL CONTROL.
6. PURLINS/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: D.S.
PLOT: DATE: 7/18/2023	
DATE	
BY	
REVISION DESCRIPTION	
NO.	
24 GA. MAGNA-LOC STANDING SEAM PANEL MANUFACTURER: METAL SALES MANUFACTURING CORP. 7800 HIGHWAY 60 SELLERSBURG, IN 47172 502-855-4300	
CONSULTANT: BALA SOCKALINGAM, PH.D., P.E. 1216 N LANSING AVE, SUITE C PHONE: 918-492-5992 FAX: 866-366-1543	
DRAWING NO. 2672-5	REV.
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