

**EVALUATION REPORT OF
METAL SALES MANUFACTURING CORPORATION
'26 GA. IMAGE II PANEL'**

**FLORIDA BUILDING CODE 6TH EDITION (2017)
FLORIDA PRODUCT APPROVAL
FL 11560.5-R3
ROOFING
METAL ROOFING**

**Prepared For:
Metal Sales Manufacturing Corporation
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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. C2181-5
Date: 9.8.2017**

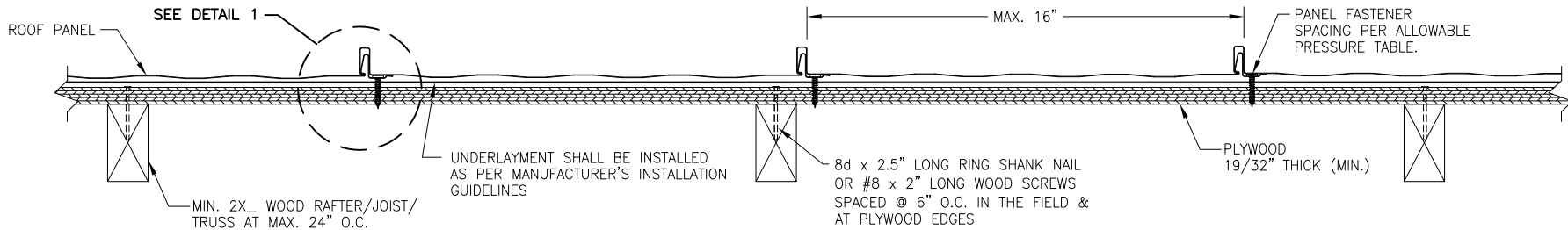


Manufacturer:	Metal Sales Manufacturing Corporation
Product Name:	Image II
Panel Description:	Max. 16" wide coverage with 1" high ribs
Materials:	Min. 26 ga., 50 ksi steel. Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755).
Deck Description:	Min. 19/32" plywood or min. 3/4" thick wood plank (min SG of 0.42) for new and existing constructions. Designed and installed as per FBC 2017.
Deck Attachment: (Minimum)	8d x 2.5" long ring shank nails or #8 x 2" long wood screws @ 6" o.c. in the field and edges. Designed as per FBC 2017.
Underlayment:	Minimum underlayment as per FBC 2017 Section 1507.4.5.1
Slope:	1/2:12 or greater in accordance with FBC 2017 Section 1507.4.2. Requires applied lap sealant for roof slopes less than 3:12.
Design Uplift Pressure: (Factor of Safety = 2)	84.25 psf @ fastener spacing of 24" o.c. 102.7 psf @ fastener spacing of 6" o.c. 139.1 psf @ fastener spacing of 6" o.c. with 3/8" bead adhesive in panel sidelap
Fastener Pattern: At panel seam	#10-12 pancake head screws along panel seam. Fastener shall be of sufficient length to penetrate through the deck a minimum of 1/4".
Sidelap Adhesive:	Schnee-Morehead SM7108 Permathane adhesive
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 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 fastener spacing listed herein shall not be exceeded. The design pressure for reduced fastener spacing may be computed using rational analysis prepared by a Florida Professional Engineer or based on Metal Sales load span table. 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.

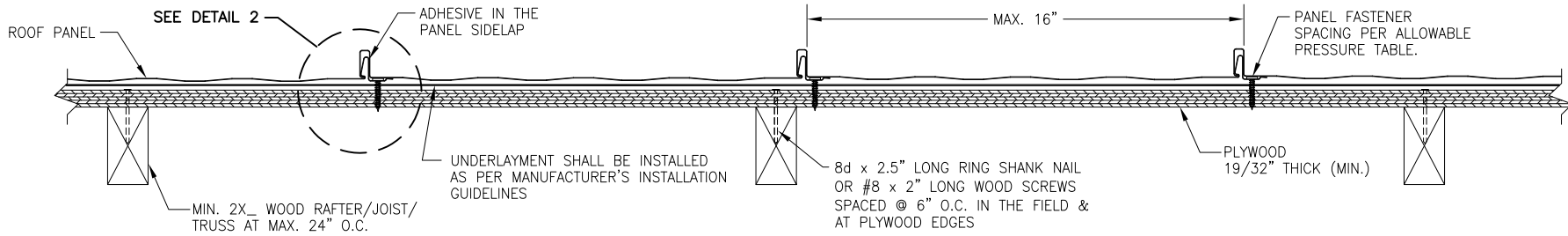
Fire classification is not within scope of this Evaluation Report. Refer to FBC 2017 Section 1505 and current approved roofing materials directory or ASTM E108/UL790 report from an accredited laboratory for fire ratings of this product.

Supporting Documents: TAS 125 Test Reports
Farabaugh Engineering and Testing Inc.
Project No. T241-07, Reporting Date 7/23/07

Hurricane Test Laboratory, LLC
HTL Report #: 0103-0714-09, Reporting Date 9/1/09



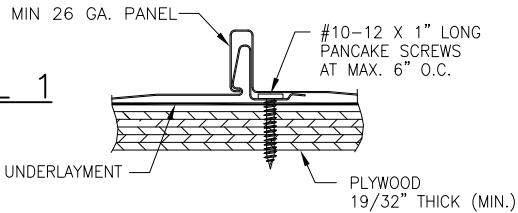
FASTENING PATTERN 1



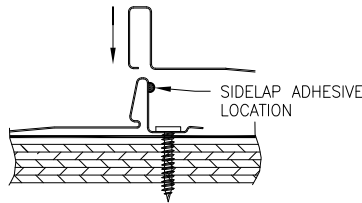
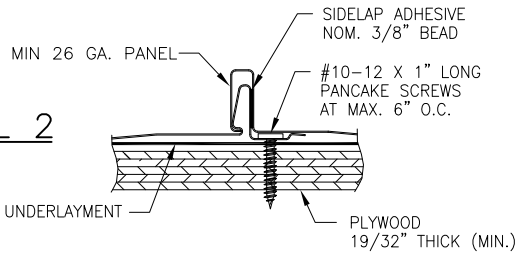
FASTENING PATTERN 2

TYPICAL PANEL INSTALLATION X-SECTION

DETAIL 1



DETAIL 2



GENERAL NOTES:

1. ARCHITECTURAL ROOF PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. ROOF PANELS SHALL BE MIN. 26 GA. (t = 0.0167"). 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 ALLOWABLE WIND LOADS 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: D.S.
PLOT:	DATE: 3/25/15
NO.	REVISION DESCRIPTION
DATE	
BY	
DRAWING TITLE IMAGE II PANEL	
CONSULTANTS BALA SOCKALINGAM, PH.D., P.E.	
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DRAWING NO. 2181-5	REV.
PAGE NO. 1	OF 1

METAL SALES MANUFACTURING CORPORATION

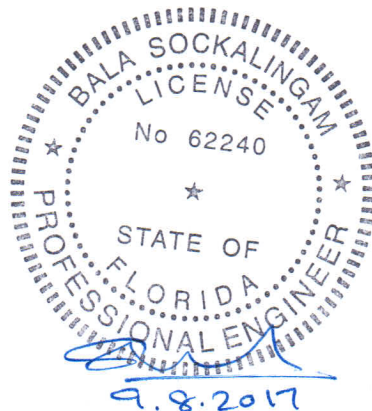
Image II Uplift Loads

(Min. 26 ga.)

Description	Fastener Spacing along Panel Length (in)	Allowable Uplift Load (psf)
Coverage width: 16" Panel Fastener: #10-12 pancake head screws	6	102.7
	8	100.7
	10	98.6
	12	96.6
	14	94.5
	16	92.5
	18	90.4
	20	88.4
	22	86.3
	24	84.3
With Sidelap Sealant	6	139.1

Notes:

1. The bold numbers indicate design loads calculated from test data with safety factor of 2.
2. Panels must be installed as per Evaluation Report FL 11560.5 and Metal Sales current installation procedure.
3. Three or more spans condition.



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