

**EVALUATION REPORT OF
METAL SALES MANUFACTURING CORPORATION
'NOM 0.032" THICK ALUMINUM VERTICAL SEAM PANEL'**

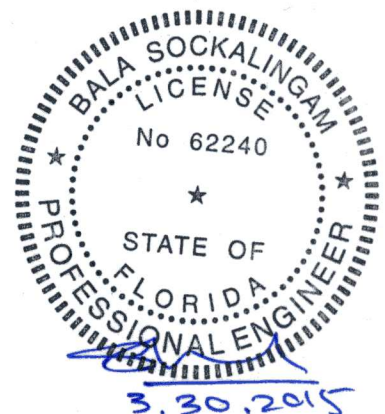
**FLORIDA BUILDING CODE 5TH EDITION (2014)
FLORIDA PRODUCT APPROVAL
FL 14645.6-R2
ROOFING
METAL ROOFING**

**Prepared For:
Metal Sales Manufacturing Corporation
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**This report consists of
Evaluation Report (3 Pages including cover)
Installation Details (1 Page)**

**Report No. C2010-6
Date: 3.27.15**

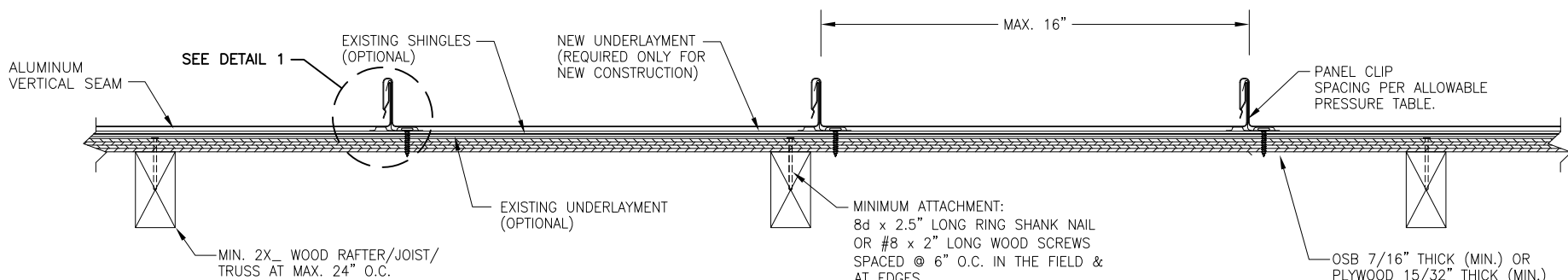


Manufacturer:	Metal Sales Manufacturing Corporation
Product Name:	Aluminum Vertical Seam
Panel Description:	Max. 16" wide coverage with 1.75" high ribs
Materials:	Nom. 0.032" thick (min.) 3004-H14 or 3105-H24 Alloy (ASTM B209).
Deck Description:	Min. 7/16" thick OSB or min. 15/32" thick Plywood for new and existing constructions. Designed and installed as per FBC 2014.
Deck Attachment: (Minimum)	8d x 2.5" long ring shank nails or #8 x 2" long wood screws @ 6" o.c. in the plywood field and edges
New Underlayment:	Minimum underlayment as per FBC 2014 Section 1507.4.5.1. Required for new construction and optional for reroofing construction.
Existing Underlayment: (Optional)	One layer of asphalt shingles over one layer of #30 felt. For reroofing construction only.
Slope:	1/4:12 or greater in accordance with FBC 2014 Section 1507.4.2
Allowable Uplift Load: (Factor of Safety = 2)	41.55 psf @ clip spacing of 36" o.c. 71.0 psf @ clip spacing of 12" o.c. 97.05 psf @ clip spacing of 12" o.c. with 3/8" bead adhesive in panel sidelap
Fastener Pattern: At panel seam	Panel clip with (2) #10-12 pancake head screws per clip. Fastener shall be of sufficient length to penetrate through the deck a minimum of 3/8".
Sidelap Adhesive:	Schnee-Morehead SM7108 Permathane adhesive
Test Standards:	Roof assembly tested in accordance with UL580-94 (Rev 98) 'Uplift Resistance of Roof Assemblies' & UL1897-98 'Uplift Tests for Roof Covering Systems'.
Code Compliance:	The product described herein has demonstrated compliance with FBC 2014 Section 1507.4
Product Limitations:	Design wind loads shall be determined for each project in accordance with FBC 2014 Section 1609 or ASCE 7-10 using allowable stress design. The maximum fastener spacing listed herein shall not be exceeded. This evaluation report is not applicable in High Velocity

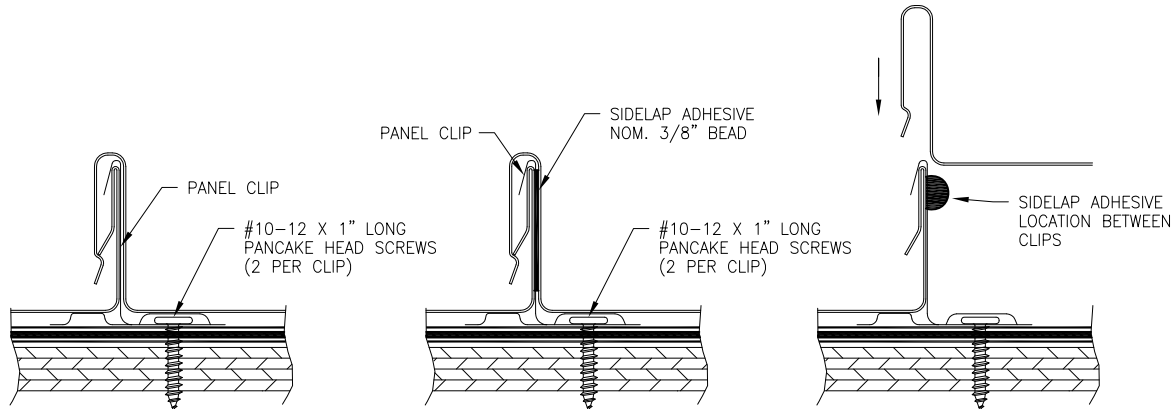
Hurricane Zone. Fire classification is not within scope of this Evaluation Report. Refer to FBC 2014 Section 1505 and current approved roofing materials directory or ASTM E108/UL790 report from an accredited laboratory for fire ratings of this product.

Supporting Documents: UL580/UL1897 Test Reports
Farabaugh Engineering and Testing Inc
Project No. T210-11, Reporting Date 5/31/11
Project No. T236-11, Reporting Date 7/6/11

FM 4470 Test Report
ENCON Technology Inc
C1825-1, Reporting Date 2/5/12



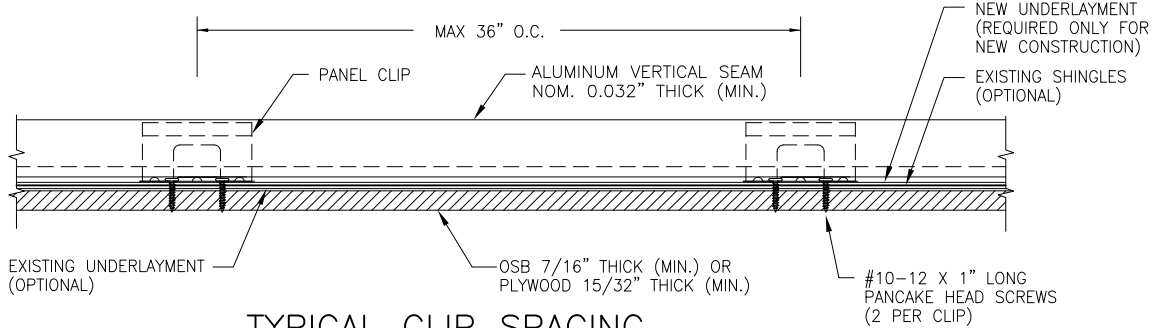
TYPICAL PANEL INSTALLATION X-SECTION



CLIP

CLIP & ADHESIVE

DETAIL 1



TYPICAL CLIP SPACING

ALLOWABLE UPLIFT PRESSURE

CLIP SPACING (IN)	ADHESIVE BEAD SIZE *	PRESSURE (PSF)
36	NONE	41.55
12	NONE	71.00
12	3/8"	97.05

* SIDELAP ADHESIVE IN PANEL SIDELAP

GENERAL NOTES:

1. ARCHITECTURAL ROOF PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. ROOF PANELS SHALL BE NOM. 0.032" THICK (MIN.) ALUMINUM. MAXIMUM 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:	CHECKED BY:
B.S.	D.S.
DATE:	DATE:
3/25/15	
NO.	REVISION DESCRIPTION

ALUMINUM VERTICAL SEAM PANEL

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