EVALUATION REPORT OF METAL SALES MANUFACTURING CORPORATION '26 GA. 5V-CRIMP PANEL'

FLORIDA BUILDING CODE 5TH EDITION (2014)
FLORIDA PRODUCT APPROVAL
FL 19902.1
ROOFING
METAL ROOFING

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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. C2076-1 Date: 2.13.16



Manufacturer: Metal Sales Manufacturing Corporation

Product Name: 5V-Crimp

Panel Description: 24" wide coverage with (5) 1/2" 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. 7/16" thick OSB or min. 15/32" thick plywood at max span of 24"

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

Underlayment: Minimum underlayment as per FBC 2014 Section 1507.4.5.1

Slope: 1/2:12 or greater in accordance with FBC 2014 Section 1507.4.2.

Design Uplift Pressure: 30.0 psf @ fastener spacing of 36" o.c. (Factor of Safety = 2) 172.5 psf @ fastener spacing of 6" o.c.

Fastener Pattern:

Type: #9-16 or #10-14 hex head wood screws with sealed washer. Fastener

shall be of sufficient length to penetrate through the deck a minimum of 3/8" and installed as per Metal Sales current installation procedure.

At panel ends @ 6" o.c. across panel width At intermediate @ 12" o.c. across panel width

Test Standards: Roof assembly tested in accordance with UL580-06 'Uplift Resistance

of Roof Assemblies' & UL1897-04 '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

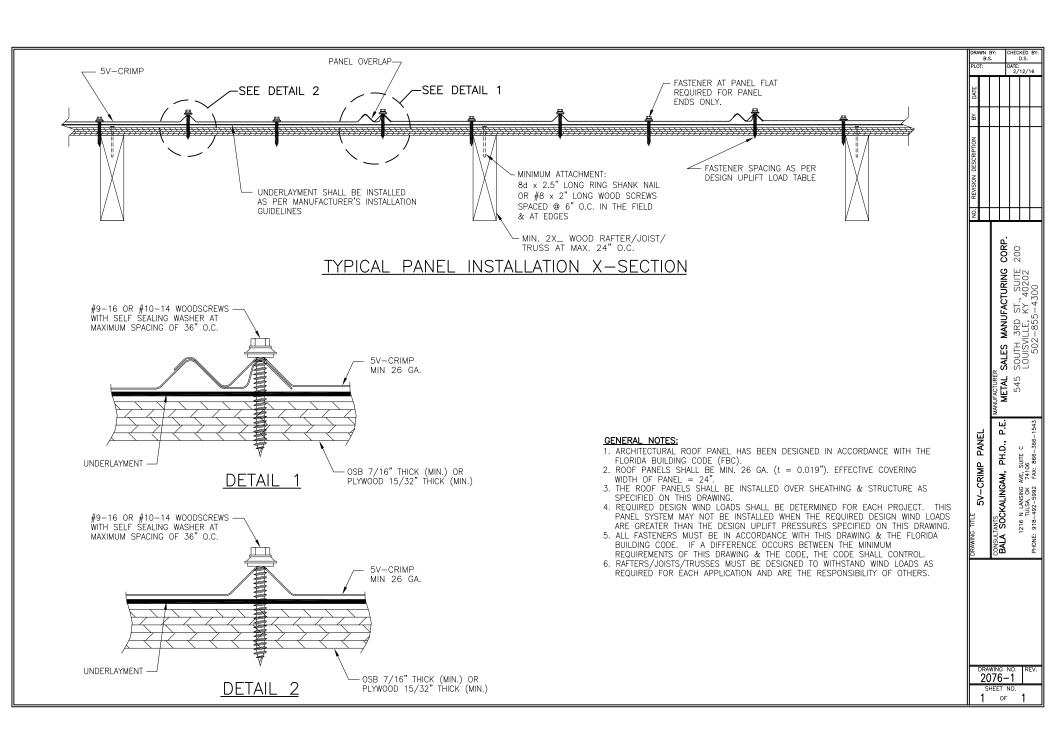
with FBC 2014 Section 1609 or ASCE 7-10 using allowable stress design. The maximum fastener spacing listed herein shall not be exceeded. The design pressure for reduced fastener spacing may be computed using rational analysis prepared by a Florida Professional Engineer or based on Metal Sales load span table. This evaluation report is not applicable in High Velocity Hurricane Zone. Fire classification is not within scope of this Evaluation Report. Refer to FBC 2014 Section

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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 & 1897 Test Reports

PRI Construction Materials Technologies MSMC-017-02-01, Reporting Date 9/20/13



METAL SALES MANUFACTURING CORPORATION 26 GA. 5V-CRIMP PANEL

Design Uplift Loads

Description	Fastener Spacing	Allowable Uplift
	along panel length	Load
	(in)	(psf)
5V-Crimp Panel	6	172.5
Min. 26 ga.	9	120.0
	12	90.0
Panel Fasteners	15	72.0
#9-16 or #10-14 hex head	18	60.0
wood screws with sealed washer	21	51.4
	24	45.0
	27	40.0
	30	36.0
	33	32.7
	36	30.0

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 19902.1 and Metal Sales current installation procedure.

