EVALUATION REPORT OF METAL SALES MANUFACTURING CORPORATION 'NOM 0.032" THICK ALUMINUM 5V-CRIMP PANEL'

FLORIDA BUILDING CODE 5TH EDITION (2014) FLORIDA PRODUCT APPROVAL FL 11560.1-R2 ROOFING METAL ROOFING

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

> Report No. C2009-1 Date: 3.27.15



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Manufacturer: Metal Sales Manufacturing Corporation

Product Name: Aluminum 5V-Crimp

Panel Description: 24" wide coverage with (5) 1/2" 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: 2:12 or greater in accordance with FBC 2014 Section 1507.4.2

Design Uplift Pressure:

(Factor of Safety = 2)

30 psf @ fastener spacing of 36" o.c. 161.5 psf @ fastener spacing of 6" o.c.

Fastener Pattern:

Type:

#10-14 hex head wood screw with sealed washer. Fastener shall be of

sufficient length to penetrate through the deck a minimum of 3/8".

At panel ends

@ 6" o.c. across panel width

At intermediate

@ max 12.5" o.c. across panel width

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

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.

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Supporting Documents: TAS 125 Test Reports

TAS 125 Test Reports
Farabaugh Engineering and Testing Inc
Project No. T198-11, Reporting Date 5/19/11

