



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

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www.miamidade.gov/pera

NOTICE OF ACCEPTANCE (NOA)

Southeastern Metal Manufacturing Company, Inc.
11801 Industry Drive
Jacksonville, FL 32218

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Verti-Lok Standing Seam Metal Panel

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This renews and revises NOA #06-1012.06 and consists of pages 1 through 7.
The submitted documentation was reviewed by Alex Tigera.



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Expiration Date: 01/17/17
Approval Date: 03/08/12
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ROOFING ASSEMBLY APPROVAL:

Category: Roofing
Sub-Category: Metal, Panels (Non-Structural)
Material: Steel
Deck Type: Steel
Maximum Design Pressure -87.5 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Verti-Loc	Length: various Height: 2" Width: 16" Thickness 0.023"	TAS 110	Corrosion resistant, galvalume, performed, standing seam, coated, pre-finished, metal panels.
Panel Clips	Length: 3-1/2" Width: 1" Height: 2" Thickness 0.047"	TAS 110	Corrosion resistant, two-piece formed, painted or unpainted steel clips for metal panel installation.
Clip Bearing Plate	Length: 6" Width: 6" Thickness 0.047"	TAS 110	Corrosion resistant, galvalume, performed, square supporting plate used under panel clips.

MANUFACTURING LOCATION

1. Jacksonville, FL

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Hurricane Test Laboratory, Inc.	0041-0819-01 Specimen # 1-3	Uplift Pressure Testing UL 580	Aug. 2001
PPG Industries		ASTM G 26 ASTM B 117	March 2001
PRI Asphalt Technologies, Inc.	PRI01073	TAS-100-95 (Wind Driven Rain Test)	Sep. 2001
PRI Construction Materials Technologies	SEM-018-02-01	TAS 125	08/15/11

APPROVED ASSEMBLIES:

SYSTEM A-1: Verti-Lok
Deck Type: 18-22 ga. Steel
Slope Range: 2": 12" or greater
Maximum Uplift Pressure: -87.5 psf.

Deck Attachment: Type B galvanized (G90) steel deck shall be secured 6" o.c. to structural supports spaced a maximum of 5 ft o.c in accordance with applicable Building Code, but in no case shall it be less than 5/16" puddle welds with 1" x 7/8" steel weld washers at bottom of each flute.

Insulation: (Requires listed bearing plate for clip attachment) Minimum 3/4" to maximum 4" thick of an approved rigid board insulation with current NOA with a minimum 25 psi compressive strength fastened with approved fasteners and plates. Fastening density shall be in compliance with applicable Building Code and Roofing Application Standard RAS 117.

Underlayment: Minimum underlayment shall be a ASTM D 226 Type II installed with a minimum 4" side-laps and 6" end-laps. Underlayment shall be fastened with approved corrosion resistant fasteners and plates, spaced 12" o.c. on the laps and two rows 24" o.c. in the field of roll. Or any Miami-Dade County Product Control Approved self-adhering underlayment having a current NOA.

Valleys: Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with the current published installation instructions and details in Southeastern Metals Roofing Installation Manual.

Fire Barrier Board: Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. See Limitation # 1

Bearing Plate: Fastened the approved clip bearing plate over the prepared roofing simultaneously with the approved clip.

Metal Panels and Accessories: Install the "Verti-Lok Metal Panel" panels including flashings penetrations, valleys, end laps and accessories in compliance Southeastern Metals' current, published installation instructions and in compliance with the minimum requirements detailed in Roofing Application Standard RAS 133.

Panels shall be installed along the male rib with approved clips (3-1/2" long x 1-7/8" tall), clips shall be attached to the deck through the bearing plates with two (2) corrosion resistant #12-13 self-drilling screws of sufficient length to penetrate through bottom flange of the metal deck a minimum of 1/2" at a maximum spacing not exceed 24" o.c. The female rib of panel is snapped over the male rib of panel.



SYSTEM A-2: Verti-Lok
Deck Type: 18-22 ga. Steel
Slope Range: 2": 12" or greater
Maximum Uplift Pressure: See Table A Below

Deck Attachment: Type B galvanized (G90) steel deck shall be secured 6" o.c. to structural supports spaced a maximum of 5 ft o.c in accordance with applicable Building Code, but in no case shall it be less than with #12 x 1-1/2" HWH self-drilling screws at bottom of each flute.

Insulation: (Requires listed bearing plate for clip attachment) Minimum 3/4" to maximum 4" thick of an approved rigid board insulation with current NOA with a minimum 25 psi compressive strength fastened with approved fasteners and plates. Fastening density shall be in compliance with applicable Building Code and Roofing Application Standard RAS 117.

Underlayment: Minimum underlayment shall be a ASTM D 226 Type II installed with a minimum 4" side-laps and 6" end-laps. Underlayment shall be fastened with approved corrosion resistant fasteners and plates, spaced 12" o.c. on the laps and two rows 24" o.c. in the field of roll. Or any Miami-Dade County Product Control Approved self-adhering underlayment having a current NOA.

Valleys: Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with the current published installation instructions and details in Southeastern Metals Roofing Installation Manual.

Fire Barrier Board: Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. See Limitation # 1

Bearing Plate: Fastened the approved clip bearing plate over the prepared roofing simultaneously with the approved clip.

Metal Panels and Accessories: Install the "Verti-Lok Metal Panel" panels including flashings penetrations, valleys, end laps and accessories in compliance Southeastern Metals' current, published installation instructions and in compliance with the minimum requirements detailed in Roofing Application Standard RAS 133.

Panels shall be installed along the male rib with approved clips (3-1/2" long x 1-7/8" tall), clips shall be attached to the deck through the bearing plates with two (2) corrosion resistant #14-13 self-drilling screws of sufficient length to penetrate through bottom flange of the metal deck a minimum of 1/2" at a maximum spacing listed below in **Table A**. Apply a 1/4" wide bead of Liquid Nails Marble and Granite Adhesive along the backside of the male lap. The female rib of panel is snapped over the male rib of panel.

TABLE A		
MAXIMUM DESIGN PRESSURES		
Roof Areas	Field	Perimeter and Corner¹
Maximum Design Pressures	71.25 psf	90 psf
Maximum Clip Spacing	24" o.c.	12" o.c.

1. Extrapolation shall not be allowed



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SYSTEM LIMITATIONS

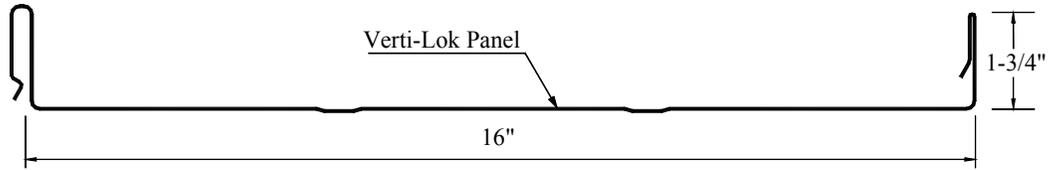
- 1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
- 2. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
- 3. Panels may be rolls formed in continuous lengths from eave to ridge. Maximum lengths shall be as described in Roofing Application Standard RAS 133
- 4. All panels shall be permanently labeled with the manufacturer’s name and/or logo, and the following statement: “Miami-Dade County Product Control Approved” **or** with the Miami-Dade County Product Control Seal as seen below.



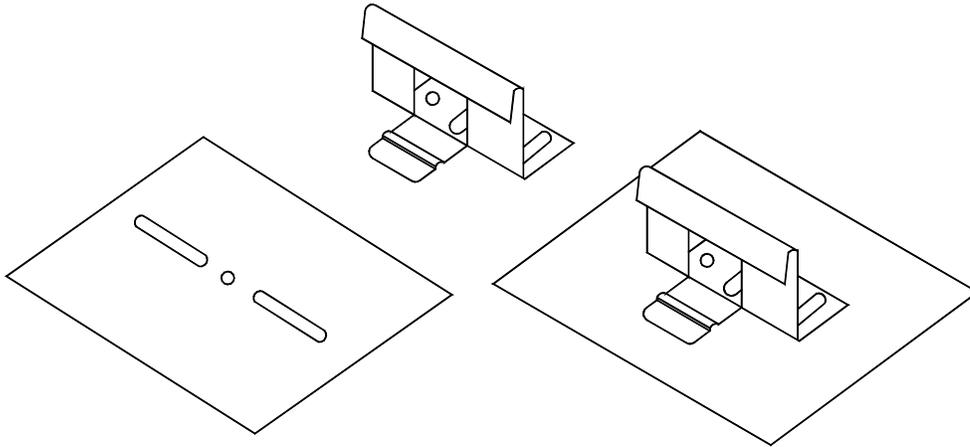
- 5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9N-3 of the Florida Administrative Code.



PROFILE DRAWINGS

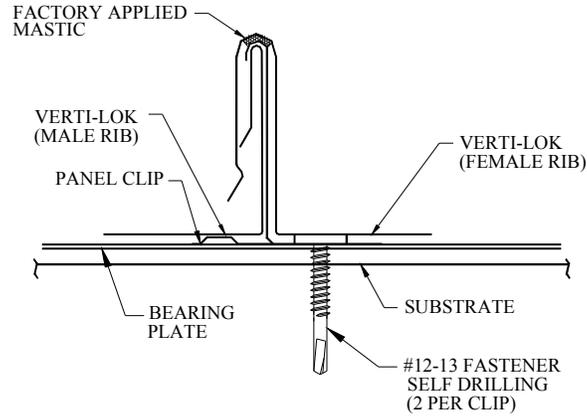


VERTI-LOK METAL PANEL

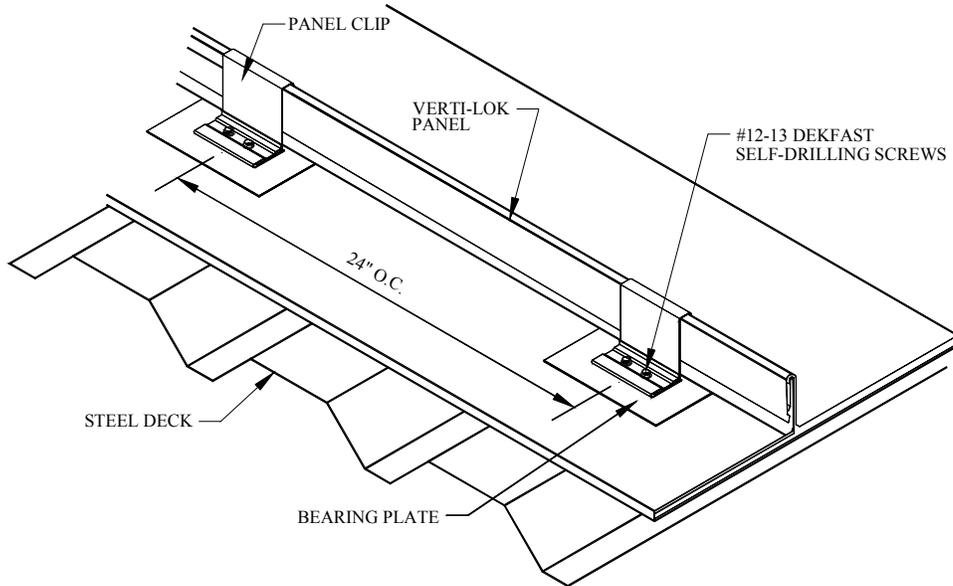


PANEL CLIP, BEARING PLATE

PROFILE DRAWINGS (CONT.)



VERTI-LOK ROOF PANEL AND PANEL CLIPS



END OF THIS ACCEPTANCE



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