



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)

Metal Master Shop Inc.
7484 NW 8 Street
Miami, FL. 33126

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: Englert Series 2000 Steel 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 NOA consists of pages 1 through 5.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 12-0227.07
Expiration Date: 06/07/17
Approval Date: 06/07/12
Page 1 of 5

ROOFING ASSEMBLY APPROVAL:

<u>Category:</u>	Roofing
<u>Sub-Category:</u>	Non-Structural Metal Roofing
<u>Material:</u>	Steel
<u>Deck Type:</u>	Wood
<u>Maximum Design Pressure</u>	See Table A

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Series 2000	l = various w = 18" Thickness 0.0276 Min. Yield Strength: 17 ksi.	TAS 110 TAS 125	Corrosion resistant, galvanized, preformed, standing seam, coated, prefinished, metal panels.
Series 2000 Clip	min. 0.048" 3½" long x 1¾" high	TAS 114	Corrosion resistant, formed, steel clips for metal panel installation.
Trim Pieces	l = varies w = varies Thickness 0.0276.	TAS 110	Standard flashing and trim pieces. Manufactured for each panel width.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Underwriters Laboratories, Inc.	91NK26936	UL 580-Construction	Oct. 1992
Architectural Testing, Inc.	01-32796.01	TAS 100	Sep. 1998
Architectural Testing, Inc.	01-32796.03	ASTM E 8	Oct. 1998
Architectural Testing, Inc.	ATI 99023	TAS 125	Dec. 1999
Architectural Testing, Inc.	01-35899.01	TAS 125	Feb. 2000
Architectural Testing, Inc.	01-46070.02	TAS 125 ASTM E 8	10/23/03
Hurricane Test Laboratory, LLC.	0155-0404-04	TAS 125	04/16/04



APPROVED ASSEMBLIES:

System A-1:	Series 2000 18" Wide Panel
Deck Type:	Wood, Non-Insulated
Deck Description:	¹⁹ / ₃₂ " or greater plywood or wood plank
Maximum Uplift Pressure:	See Table A Below

Deck Attachment: In accordance with applicable Building Code, but in no case shall it be less than 8d annular ring shank nails spaced 6" o.c. In reroofing, where the deck is less than ¹⁹/₃₂" thick (Minimum ¹⁵/₃₂"). The above attachment method must be in addition to existing attachment.

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 corrosion resistant tin-caps and 1¹/₄" annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any Miami-Dade County Product Control Approved underlayment having a current NOA.

Fire Barrier: 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.

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

Metal Panels and Accessories: Install the "Series 2000 Panel" and accessories in compliance with the current published installation instructions and details in Englert's Installation Manual. Flashings, penetrations, valley construction and other details shall be constructed in compliance with Roofing Application Standard RAS 133.

Male leg of snap seam shall be caulked with a minimum ¹/₈" bead of elastomeric construction sealant prior to installation of female leg of panel. Panels shall be installed with galvanize steel clips (3¹/₂" long x 2 ¹/₂" wide x 1³/₄" tall), attached to substrate with (2) two corrosion resistant #10-16 self-tapping pancake screws of sufficient length to penetrate through the sheathing a minimum of ³/₁₆". Clip fastening shall start 3" from panel end and shall be at maximum spacing as described below in Table A.

TABLE A
MAXIMUM DESIGN PRESSURES

Roof Areas	Field	Perimeter and Corner¹
Maximum Design Pressures	-62.5 psf	-123.5 psf
Maximum Clip Spacing	24" o.c.	8" o.c.
1. Extrapolation shall not be allowed		

SYSTEM LIMITATIONS

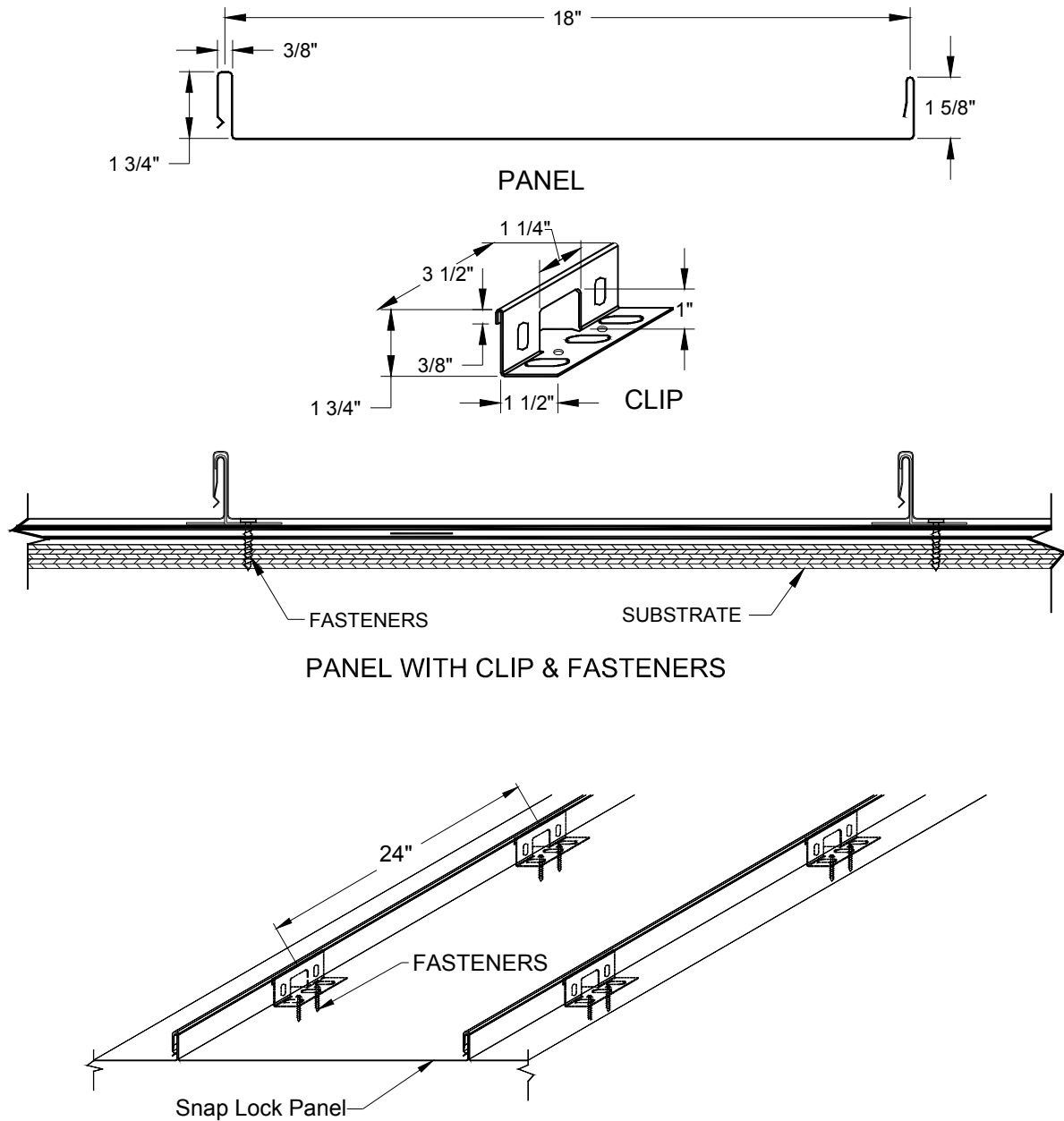
1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, 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. All clips shall be permanently labeled with the manufacturer's name and/or logo, and/or model.



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.
6. Panels may be jobsite roll formed with machine model #10921207 or 100301 from Englert Inc



DRAWINGS



SERIES 2000 METAL PANEL

END OF THIS ACCEPTANCE