



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
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NOTICE OF ACCEPTANCE (NOA)

Metal Master Shop, Inc.
7484 NW 8th 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 RER - 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. RER 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 1300 Aluminum Panel over Wood Deck

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 renews NOA #12-0227.10 and consists of pages 1 through 9.
The submitted documentation was reviewed by Hamley Pacheco, P.E.



NOA No.: 17-0405.16
Expiration Date: 06/01/2022
Approval Date: 06/01/2017
Page 1 of 9

ROOFING ASSEMBLY APPROVAL

Category:	Roofing
Sub-Category:	Metal, Panels (Non-Structural)
Material:	Aluminum
Deck Type:	Wood
Maximum Design Pressure	See Table A Below

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Series 1300	l = various w = 16" or 20" Thickness = 0.032" Min. Yield Strength: 24 ksi	TAS 110 TAS 125	Aluminum, preformed, standing seam, coated panels.
Series 1300 6" Clip	l = 6-1/4" w = 1-1/2" h = 1-11/16" Thickness Min. = 0.024"	TAS 114	Corrosion resistant, formed, steel clips for metal panel installation.
Series 1300 Two Piece Floating Clip	l = 3" w = 3/4" h = 1- 1/2" Thickness Min. = Top: 0.015" Base: 0.030"	TAS 114	Corrosion resistant, two piece floating, stainless steel clips for metal panel installation.
Series 1300 3" Clip	l = 3" w = 1-3/16" h = 1-5/8" Thickness Min. = 0.024"		Corrosion resistant, formed, steel clips for metal panel installation
Trim Pieces	l = varies w = varies Thickness = 0.032"	TAS 110	Standard flashing and trim pieces. Manufactured for each panel width.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>	<u>Manufacturer</u>
Bostik 70 0-5A	N/A	TAS 110	Heavy duty construction adhesive.	Bostik, Inc.



EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Architectural Testing, Inc.	01-32797.01	TAS 100	11/05/98
	46064.01-122-18	TAS 125	07/21/11
	B8192.01-109-18 R2	TAS 125	02/01/13
Hurricane Test Laboratory, Inc.	0155 0404-04	TAS 125	05/21/04
BASF		ASTM G23 ASTM B117	11/15/04
ATI/Intertek	F1488.01-109-18	TAS 125	05/05/16



APPROVED ASSEMBLIES:

System A-1:	Series 1300 Metal Roof Panels 16" wide
Deck Type:	Wood, Non-Insulated
Deck Description:	New Construction ¹⁹ / ₃₂ " or greater plywood or wood plank.
Slope Range:	2": 12" or greater
Maximum Uplift Pressure:	See Table A below

Deck Attachment: Deck shall be attached in accordance with applicable Building Code, but in no case shall it be less than 8d x 2-1/2" galvanized ring shank roofing nails spaced 6" o.c. at roof perimeter and field. 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 an ASTM D 226 Type II installed with a minimum 4" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant 32 gauge tin-caps and 12 gauge 1-1/4" annular galvanized ring-shank roofing nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any approved underlayment having a current NOA.

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.

Valleys: Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with Englert's current published installation instructions.

Metal Panels and Accessories: Install the "Series 1300 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.

Each roof panel is attached to the plywood substrate along its male rib using the approved Series 1300 6" Clip (6-1/4" long x 1-1/2" wide x 1-11/16" tall) located 3" from each panel end and at a spacing as listed in **Table A** below. Each clip is attached to substrate with four (4) corrosion resistant #10 self tapping pan head screws of sufficient length to penetrate through the sheathing a minimum of 3/16".

Attach adjacent panel by placing the female rib over the male rib and clip. Standing seams shall be mechanically seamed to a full 180 degree seam, (double lock)

TABLE A
MAXIMUM DESIGN PRESSURES

Roof Areas	Field	Perimeter and Corner ¹
Maximum Design Pressures	-55psf	-123.5psf
Maximum Clip Spacing	24" o.c.	8" o.c.

1. Extrapolation shall not be allowed



System B: Series 1300 Metal Roof Panels 16" or 20" wide
Deck Type: Wood, Non-Insulated
Deck Description: New Construction ¹⁹/₃₂" or greater plywood or wood plank.
Slope Range: 2": 12" or greater
Maximum Uplift Pressure: See Table B below

Deck Attachment: Deck shall be attached in accordance with applicable Building Code, but in no case shall it be less than 8d x 2-1/2" galvanized ring shank roofing nails spaced 6" o.c. at roof perimeter and field. 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 an ASTM D 226 Type II installed with a minimum 4" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant 32 gauge tin-caps and 12 gauge 1-1/4" annular galvanized ring-shank roofing nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any approved underlayment having a current NOA.

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.

Valleys: Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with Englert's current published installation instructions.

Metal Panels and Accessories: Install the "Series 1300 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.

Each roof panel is attached to the plywood substrate along it's male rib using the approved Series 1300 Two Piece Floating Clip (3" long x 3/4" wide x 1-1/2" tall) located 3" from each panel end and at a spacing as listed in **Table B** below. Each clip is attached to substrate with two (2) corrosion resistant #10 self tapping pan head screws of sufficient length to penetrate through the sheathing a minimum of 3/16".

Attach adjacent panel by placing the female rib over the male rib and clip. Standing seams shall be hand crimped to a 90 degree single lock, then mechanically seamed to a full 180 degree seam, (double lock).

TABLE B
MAXIMUM DESIGN PRESSURES

Roof Areas	Field	Perimeter and Corner ¹	Perimeter and Corner ¹
Maximum Design Pressures	-101.25psf	-142.5psf	-180 psf
Maximum Clip Spacing	16" o.c.	8" o.c.	8" o.c.
Bostik 70-05A Adhesive	None	None	(2) 1/8" beads in seam

1. Extrapolation shall not be allowed



System C: Series 1300 Metal Roof Panels 16" or 20" wide
Deck Type: Wood, Non-Insulated
Deck Description: New Construction ¹⁹/₃₂" or greater plywood or wood plank.
Slope Range: 2": 12" or greater
Maximum Uplift Pressure: See Table C below

Deck Attachment: Deck shall be attached in accordance with applicable Building Code, but in no case shall it be less than 8d x 2-1/2" galvanized ring shank roofing nails spaced 6" o.c. at roof perimeter and field. 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 an ASTM D 226 Type II installed with a minimum 4" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant 32 gauge tin-caps and 12 gauge 1-1/4" annular galvanized ring-shank roofing nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any approved underlayment having a current NOA.

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.

Valleys: Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with Englert's current published installation instructions.

Metal Panels and Accessories: Install the "Series 1300 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.

1. Each roof panel is attached to the plywood substrate along its male rib using the approved clips located 3" from each panel end and at a spacing as listed in **Table C** below. Clips are attached using #10 self-tapping pan head screws of sufficient length to penetrate through the sheathing a minimum of 3/16".
2. Attach adjacent panel by placing the female rib over the male rib and clip. Standing seams shall be mechanically seamed to a full 90 degree seam, (single lock)

TABLE C		
MAXIMUM DESIGN PRESSURES		
Roof Areas	Field	Perimeter and Corner¹
Maximum Design Pressures	-86psf	-97.5psf
Panel Clip	Series 1300 3" Clip (2 screws per clip)	Series 1300 6" Clip (4 screws per clip)
Maximum Clip Spacing	12" o.c.	8" o.c.
Bostik 70-05A Adhesive	1/8" beads in seam	1/8" beads in seam

1. Extrapolation shall not be allowed



SYSTEM LIMITATIONS

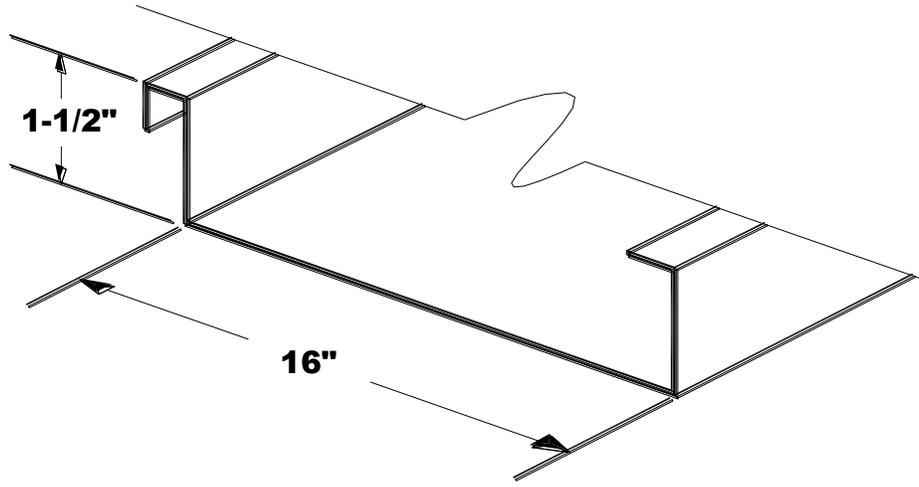
1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, 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.



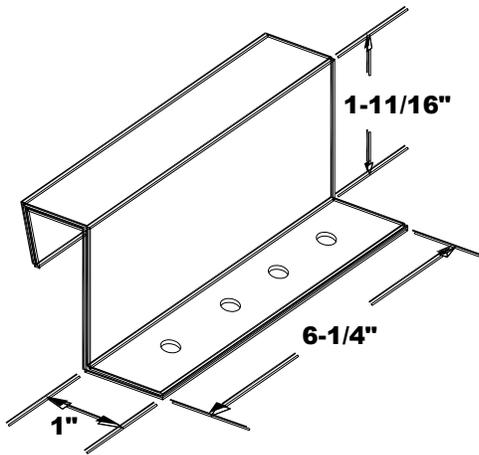
5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.
6. Panels may be jobsite roll formed with machine model #100801 or 109212207.



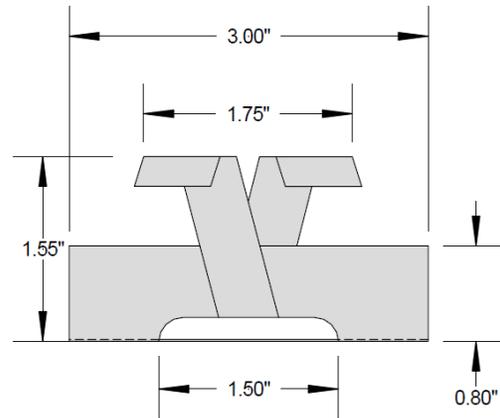
PROFILE DRAWINGS



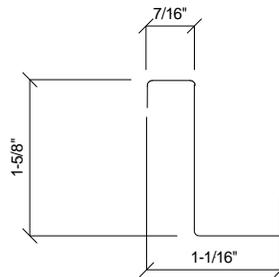
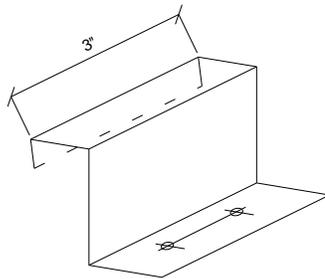
SERIES 1300 METAL PANEL



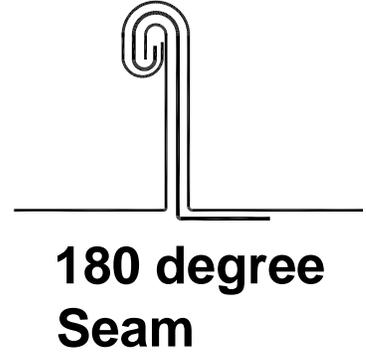
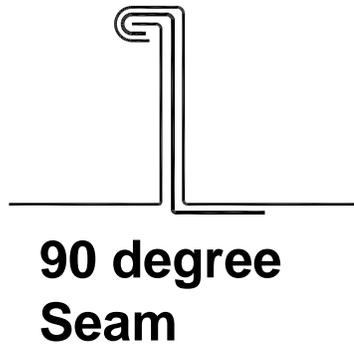
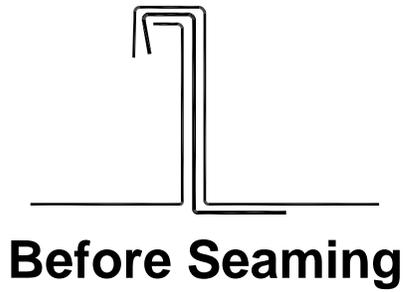
SERIES 1300 6" CLIP



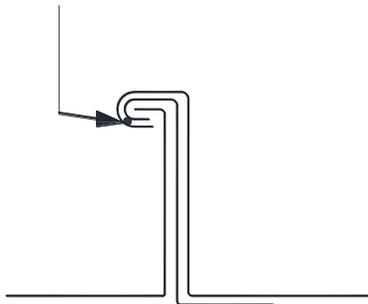
SERIES 1300 TWO-PIECE FLOATING CLIP



SERIES 1300 3" CLIP

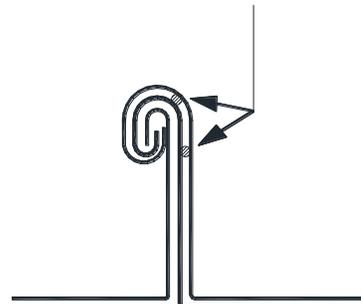


Bostik Sealant



90 degree Seam w/Bostik Sealant

Bostik Sealant



180 degree Seam w/ (2) beads of Bostik Sealant

END OF THIS ACCEPTANCE