



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

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www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Sheet Metal and Roofing Technology, Inc.
10330 SW 187 ST
Miami, FL 33157

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: Sunset Copper Shingles

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 14-0828.01 and consists of pages 1 through 9.
The submitted documentation was reviewed by Alex Tigera



NOA No.: 19-1203.05
Expiration Date: 02/05/25
Approval Date: 01/16/20
Page 1 of 9

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Metal Shingles
Materials: Copper
Deck Type: Wood
Maximum Design Pressure: -183.5 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Sunset Copper Shingles	Length: 16" Width: 14" Thickness: 16 oz. Min. Yield Strength: 24.6 ksi	TAS 110	Preformed copper shingle
Copper Cleat	Length: 9" Width: 2" Thickness: 16 oz.	TAS 110	Copper cleat for use with Sunset Copper Shingles
Stainless Steel Cleat	Length: 7 ½" Width: 13 ½" Thickness: 22 ga.	TAS 110	1-piece stainless steel cleat for use with Sunset Copper Shingles.
Trim Pieces	Length: Varies Width: Varies Thickness: 16 oz.	TAS 110	Standard Copper flashings and trim pieces

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>	<u>Manufacturer</u>
Versashield® Fire-Resistant Roof Deck Protection	42" x 100' rolls	ASTM D 226 Type II	Non-Asphaltic fiberglass-based underlayment and/or fire barrier.	GAF (with current Notice of Acceptance)
Englert Metal Man HT	36" x 75' rolls	ASTM D 1970	SBS self-adhering asphalt sheet material for use as an underlayment for Ice Dam Protection in sloped roof assemblies.	Englert, Inc. (with current Notice of Acceptance)



NOA No.: 19-1203.05
Expiration Date: 02/05/25
Approval Date: 01/16/20
Page 2 of 9

MANUFACTURING LOCATION:

1. Miami, FL

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Architectural Testing	D6411.01-450-18	TAS 125	08/25/14
	D6411.02-450-18	TAS 100	01/27/15



APPROVED ASSEMBLIES:

System:	Sunset Copper Shingles
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: In accordance with the applicable building code, but in no case shall the deck sheathing be installed with less than the fasteners and fastening pattern described below in **Table A**. Deck sheathing shall be installed over no less than 2 x 12 wood joists spaced a minimum of 24 o.c. Install 2 x 12 cross members at the midspan of the joists, and secure using two (2) #8 x 3" long Torx flat head screws at each end of the cross members.

Underlayment: Minimum underlayment shall be one layer of GAF's Versashield® Fire-Resistant Roof Deck Protection installed with a minimum 4" side laps and 6" end laps. Underlayment shall be fastened with corrosion resistant 32 ga. tin caps and 0.12" x 1 ¼" galvanized ring shank nails, spaced 8" of center at all laps and with two intermediate staggered rows 12" o.c. in the field of the roll. Installation of Versashield® Fire-Resistant Roof Deck Protection shall be in accordance to GAF's current Notice of Acceptance.

Over the Versashield® Fire-Resistant Roof Deck Protection, install one layer of an ASTM D 226 Type II underlayment with a minimum 4" side laps and 6" end laps. Underlayment shall be fastened with corrosion resistant 32 ga. tin caps and 0.12" x 1 ¼" galvanized ring shank nails, spaced 6" of center at all laps and with two intermediate staggered rows 8" o.c. in the field of the roll.

Over the ASTM D 226 Type II underlayment, install one layer of Englert HT self-adhered underlayment in accordance to Engler's current approved Notice of Acceptance.

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 the applicable building code and with the current installation instructions published by Sheet Metal and Roofing Technology, Inc, but shall not be less than a 12" wide valley flashing constructed from 16 oz. copper. A 3" wide strip of stainless steel shall be installed on each side of the valley and secured with #10 x 1-1/2" pancake screws spaced 5" o.c. An approved sealant shall be used between the aluminum strips and valley flashing.



NOA No.: 19-1203.05
Expiration Date: 02/05/25
Approval Date: 01/16/20
Page 4 of 9

Eave: Install 16 oz. copper drip edge in accordance with the applicable building code and Roofing Application Standard RAS 111. Secure copper drip edge with corrosion resistant (1) #10 x 1 ½” stainless steel pan head screws spaced 5” o.c.

Metal Shingle Installation: Install the "Sunset Copper Shingles" and accessories in compliance with the current installation instructions published by Sheet Metal and Roofing Technology, Inc. Flashings, penetrations, valley construction and other details shall be constructed in compliance with the applicable building code and Roofing Application Standard RAS 133.

Starting along the eave, secure the stainless steel cleat using two (2) #10 x 1 ½” stainless steel pan head screws through the predrilled holes. Install the rectangular copper cleat and place it adjacent to the shingles and attach the copper cleat using one (1) #10 x 1 ½” stainless steel pan head screw located ½”-5/8” down from the top of the cleat and centered. Slide the Sunset Copper Shingles into the cleats.

All fasteners shall be stainless steel, and shall be of sufficient length to penetrate through the sheathing a minimum of 3/16”.

**TABLE A
MAXIMUM DESIGN PRESSURES**

Roof Areas	Field	Perimeter and Corner
Maximum Design Pressures	-168.5 psf	–183.5 psf
Plywood Deck Fasteners	#8d x 2” ring shank nails	#9 x 3” wood screws
Plywood Fastener Spacing	4” o.c. <i>(in the perimeter of each plywood sheet)</i> & 6” o.c. <i>(in the field of each plywood sheet)</i>	
1. Extrapolation shall not be allowed		



GENERAL LIMITATIONS:

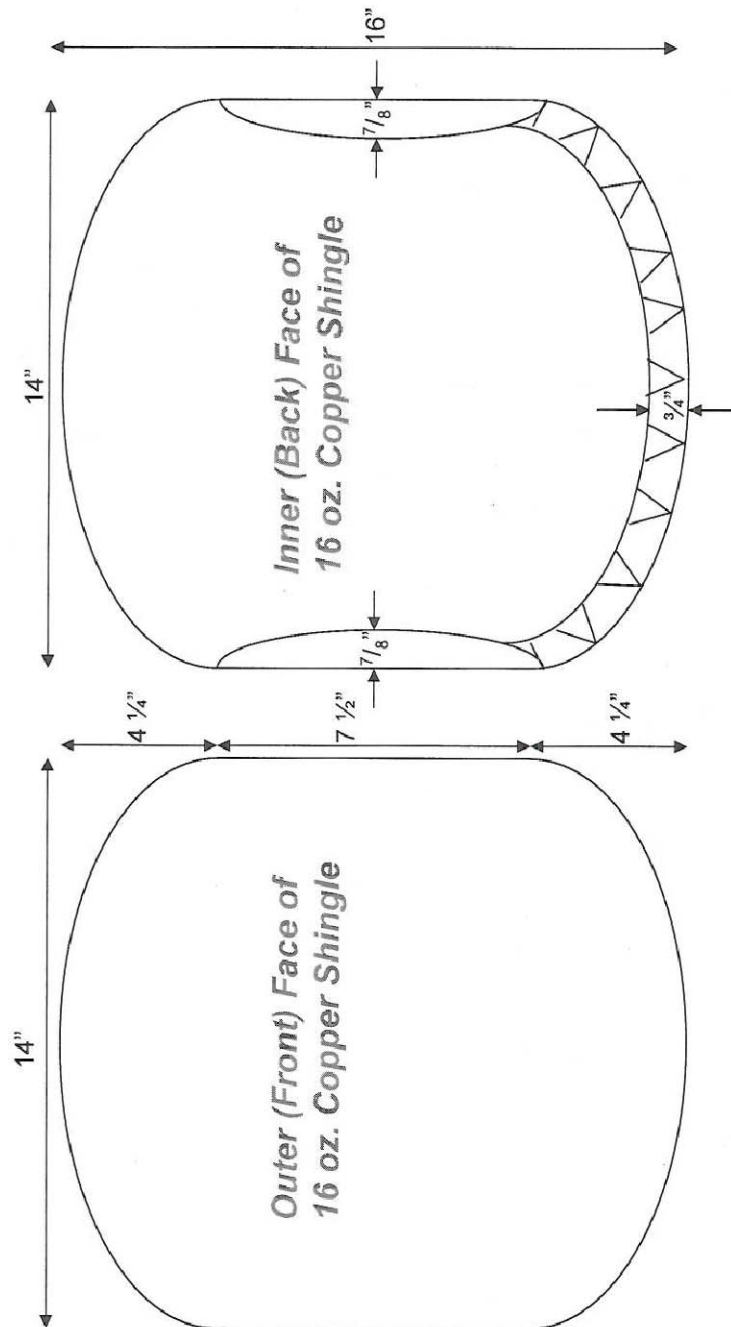
1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
3. All shingles shall be permanently labeled with the manufacturer's name and/or logo, city and state of manufacturing facility, and the following statement: "Miami-Dade County Product Control Approved" **or** with the Miami-Dade County Product Control Seal as seen below.



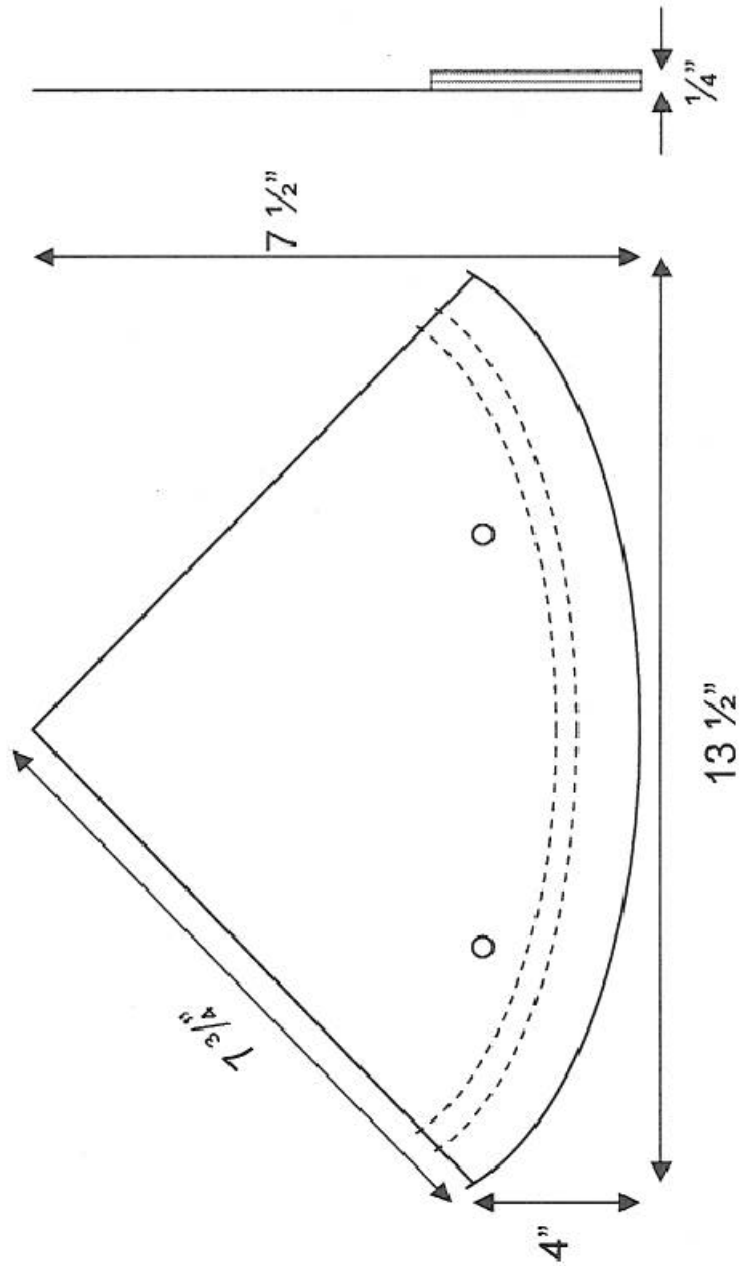
4. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.



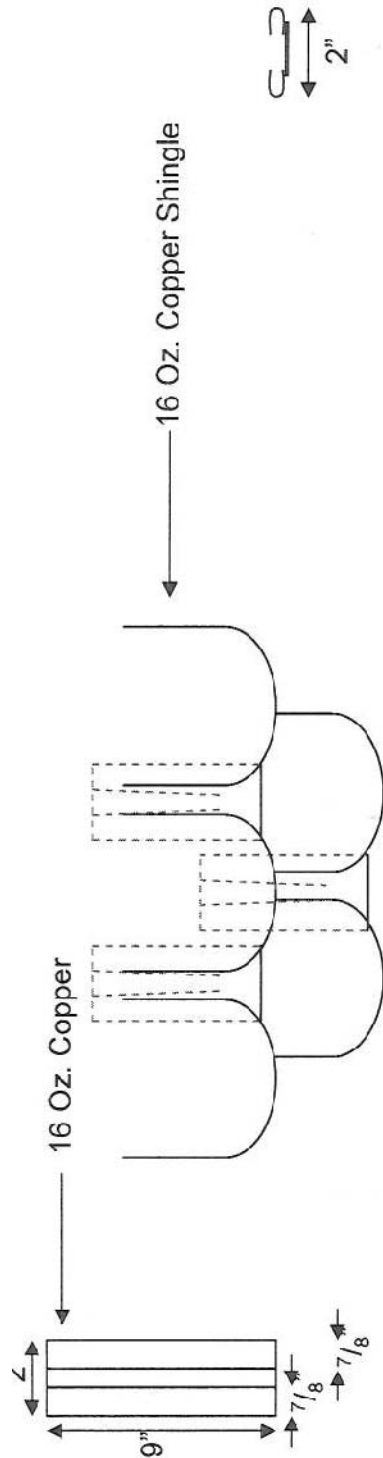
PROFILE DRAWINGS DETAIL A



COPPER SHINGLE DETAIL



STAINLESS STEEL CLEAT DETAIL



COPPER CLEAT DETAIL

END OF THIS ACCEPTANCE