



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera

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 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: Regal Copper Shingle

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.: 11-0805.04
Expiration Date: 11/03/16
Approval Date: 11/03/11
Page 1 of 5

ROOFING ASSEMBLY APPROVAL:

Category: Roofing
Sub-Category: Metal Shingles
Material: Copper
Deck Type: Wood
Maximum Design Pressure

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Regal Copper Shingle	Length: 10-1/2" Width: 13-3/4" Thickness: 20 oz. Copper	TAS 110	20 oz. copper, performed, shingles.
Copper Starter Strip	Length: 120" Width: 14-1/2" Thickness: 20 oz. Copper	TAS 110	20 oz. copper starter strip used with the Regal Copper Shingles.
Stainless Steel Cleat	Length: 9" Height: 6" Thickness: 24 ga.	TAS 110	1-piece stainless steel clips for zinc panel installation.
Trim Pieces	Length: varies Width: varies Thickness: 20 oz. Copper	TAS 110	Standard flashing and trim pieces, 20 oz. copper.

MANUFACTURING LOCATION:

1. Miami, FL.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Hurricane Test Laboratory, LLC	0588-0902-10	TAS 125	06/13/11
PRI Construction Materials Technologies	SMRT-001-02-01	TAS 100	05/13/11



NOA No.: 11-0805.04
Expiration Date: 11/03/16
Approval Date: 11/03/11
Page 2 of 5

APPROVED ASSEMBLIES:

SYSTEM A-1: Regal Copper Shingles
Deck Type: Wood, Non-insulated
Deck Description: 19/32" or greater plywood or wood plank.
Slope Range: 2": 12" or greater
Maximum Uplift Pressure: -170 psf (See **General Limitation #1**)

Deck Attachment: In accordance with applicable building code, but in no case shall it be less than 8d x 2" corrosion resistant 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 one layer of Versashield installed with a minimum 4" side-lap and 6" end laps.
Over the Versashield shall be one layer of an ASTM D 226 Type II installed with a minimum 4" side-lap and 6" end laps. Underlayment shall be fastened with corrosion resistant tin-caps and 1 1/4" annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll.
Over the ASTM D 226 Type II shall be one layer of Englert Metal Man HT self adhered installed as per Englert Inc's 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 Sheet Metal and Roofing Technology Inc's 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.

Metal Shingles and Accessories: Install the "Regal Copper Shingles" and accessories in compliance with the current published installation instructions and details in Sheet Metal and Roofing Technology Inc's Installation Manual. Flashings, penetrations, valley construction and other details shall be constructed in compliance Roofing Application Standard RAS 133.

Starter Strip: Install the starter strip along the eave of the roof by interlocking the front edge to the custom eave metal. Tack into place along the back end using 2 #10-13 x 1-1/2" stainless steel pan head screws.

Regal Copper Shingles: Starting along the eave and over the starter strip, secure the cleat using three #10 x 1-1/2" stainless steel screws in the pre-drilled holes of the cleat. Cleats are to be spaced 9-3/4" o.c.

Over each cleat, hook a regal copper shingle ensuring that the tabs behind the shingle are engaged into the cleat.

Install the second row of cleats staggered from the first row and 6-1/4" up from the bottom edge of the copper shingle below it. Secure the cleat as described above. Continue the spacing of the cleats described above and repeat the installation of the shingles. See **Details** herein.



SYSTEM LIMITATIONS

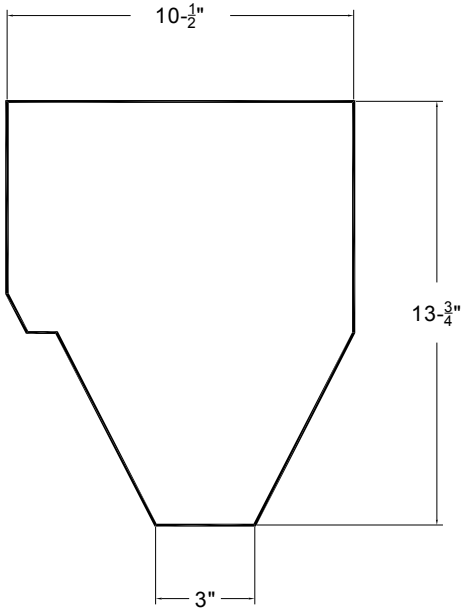
1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
3. All shingles 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 cleats shall be permanently labeled with the manufacturer's name and/or logo, and/or model.



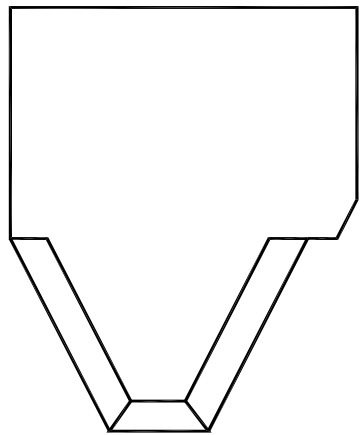
4. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.



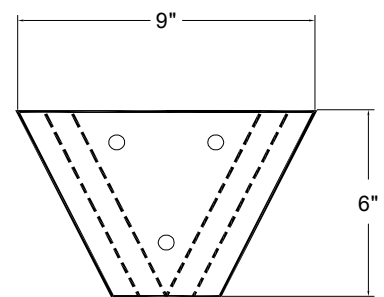
**PROFILE DRAWINGS
DETAIL A**



**Regal Copper Shingle
(Front)**

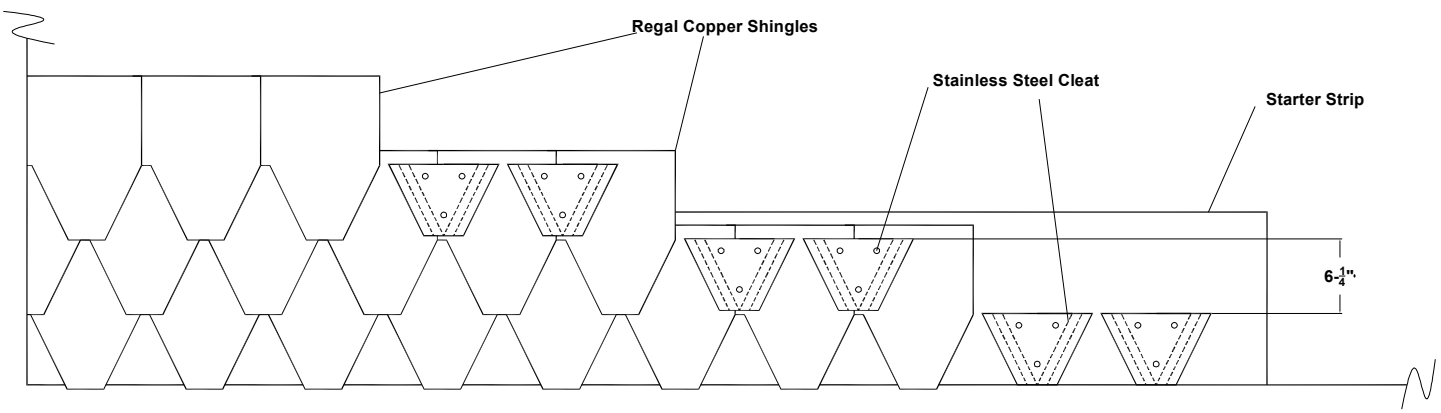


**Regal Copper Shingle
(Back)**



Stainless Steel Cleat

DETAIL B



END OF THIS ACCEPTANCE



**NOA No.: 11-0805.04
Expiration Date: 11/03/16
Approval Date: 11/03/11
Page 5 of 5**