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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www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Gerard Roofing Technologies
955 Columbia Street
Brea, California 92821

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: **Tile, Shake, Canyon Shake, Barrel Vault and NB Tile**

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 NOA No. 11-0628.01 and it consists of pages 1 through 9.
The submitted documentation was reviewed by Alex Tigera.

3/21/17

MIAMI-DADE COUNTY APPROVED

ROOFING SYSTEM APPROVAL:

Category: Roofing
Sub-Category: Non-Structural Metal Roofing
Material: Steel
Deck Type: Wood
Maximum Design Pressure (MDP): **-150 psf**

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specifications	Product Description
Tile	Length = 15 ½" Width = 45 ¾" Thickness: min. 26 ga. Min. Yield Strength = 51.1 ksi	TAS 110	Corrosion resistant, galvalume steel coated with acrylic resin imbedded with mineral granules, preformed metal panels simulating a tile profile.
Shake	Length = 15 ½" Width = 44 ¾" Thickness: min. 26 ga. Min. Yield Strength = 51.1 ksi	TAS 110	Corrosion resistant, galvalume steel coated with acrylic resin imbedded with mineral granules, preformed metal panels simulating a shake profile.
Canyon Shake	Length = 16 ½" Width = 45" Thickness: min. 26 ga. Min. Yield Strength = 51.1 ksi	TAS 110	Corrosion resistant, galvalume steel coated with acrylic resin imbedded with mineral granules, preformed metal panels simulating a shake profile.
Barrel Vault	Length = 15 ½" Width = 43 ¾" Thickness: min. 26 ga. Min. Yield Strength = 51.1 ksi	TAS 110	Corrosion resistant, galvalume steel coated with acrylic resin imbedded with mineral granules, preformed metal panels simulating a barrel tile profile.
NB Tile	Length = 16" Width = 46" Thickness: min. 26 ga. Min. Yield Strength = 51.1 ksi	TAS 110	Corrosion resistant, galvalume steel coated with acrylic resin imbedded with mineral granules, preformed metal panels simulating a tile profile.
Trim Pieces	Length = Varies Width = Varies Thickness: min. 26 ga.	TAS 110	Standard flashing and trim pieces. Corrosion resistance, galvalume steel coated with acrylic resin imbedded with mineral granules.

MANUFACTURING LOCATION:

1. Brea, CA

EVIDENCE SUBMITTED:

Test Agency	Test Name /Report	Test Identifier	Date
Center for Applied Engineering, Inc.	TAS 100	Project No. 307064 MDC-126	4/12/95
Hurricane Test Laboratory, LLC.	TAS 125	0102-0603-05	06/08/05
	TAS 125	0351-0119-06	02/01/06
PRI Construction Materials Technologies	TAS 125	GRT-006-02-01	03/14/11
	TAS 100	GRT-006-02-02	02/14/11
	ASTM G 26	GRT-008-02-01	03/05/12
	ASTM B 117	GRT-007-02-01	03/05/12
Underwriters Laboratories	UL 1897	90NK5767	09/19/90
	ASTM E 108	98NK14487	05/27/98
	ASTM G 23	88NK17073	02/24/89
	Fire Classification	TFXX.R12596	10/28/14

APPROVED ASSEMBLIES:

System A:	Tile, Shake, Canyon Shake, Barrel Vault, and NB Tile
Deck Type 1:	Wood, Non-insulated
Deck Description:	New Construction $^{19}/_{32}$" or greater plywood or wood plank.
Slope Range:	3:12 or greater
Maximum Uplift Pressure:	**See Table A below**
Deck Attachment:	In accordance with the applicable building code, but in no case shall it be less than 8d x 2-1/2" ring shank nails spaced 6" o.c. at the supports.
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 tin-caps and 12 gauge 1 ¼" 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 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 General Limitation #1.
Valleys:	Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with the current installation instructions and details published by Gerard Roofing Technologies.
Battens:	Install minimum 2" x 2" wood battens over underlayment and fire barrier, running perpendicular to the roof slope, at a maximum spacing of 14 $^{3}/_{8}$" o.c. For ***Field Areas***: attach wood battens through deck to wood trusses with **one (1)** #8 x 3" screw spaced 24" o.c. For ***Perimeter and Corner Areas***: attach wood battens through deck to wood trusses with **two (2)** #8 x 3" screws per 24" o.c wood truss spacing.

Metal Panels and Accessories:

Install the "Tile, Shake, Canyon Shake, Barrel Vault, and NB Tile" metal panels and accessories in compliance with Gerard Roofing Technologies' installation manual. Flashings, penetrations, valley construction and other details shall be constructed in compliance with Roofing Application Standard RAS 133.

Panels shall be fastened to the battens with approved corrosion resistant #8d x 2-$^3/_8$" ring shank nails or #10 x 2" long screws driven into (lower) butt edges of upper course and upper edge of adjacent lower course.

For ***Field Areas***: fasteners shall be spaced 12" o.c. in the panel's field and 6" o.c. at the side lap (three fasteners in the panel's field and one in the lap, for a total of 4 fasteners per panel). Refer to Detail Drawings.

For ***Perimeter and Corner Areas***: fasteners shall be spaced 6" o.c. in the panel's field and 6" o.c. at the side lap (six fasteners in the panel's field and one in the lap, for a total of 7 fasteners per panel). Refer to Detail Drawings.

TABLE A
MAXIMUM DESIGN PRESSURES

Roof Areas	**Field**	**Perimeter and Corner[1]**
Maximum Design Pressure	**-75 psf.**	**-150 psf.**
Number of Fasteners per Panel	**4**	**7**

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 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).

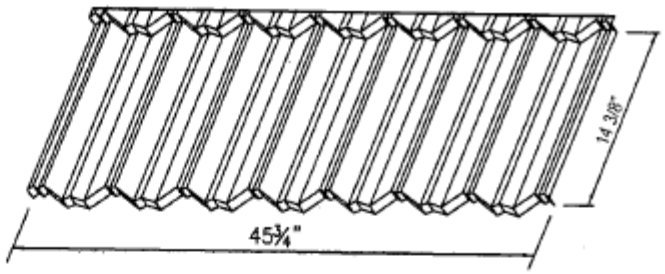
3. All panels shall be permanently labeled with the manufacturer's name and/or logo, city and state of manufacturing facility, and the following statement: "Miami-Dade County Product Control Approved" **or** with the Miami-Dade County Product Control Seal as seen below. All clips (if applicable) shall 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 61G20-3 of the Florida Administrative Code.

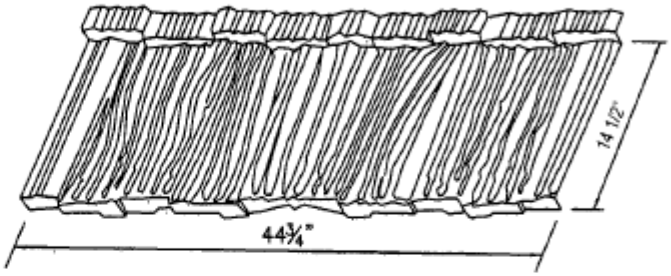
5. Any modifications to this Notice of Acceptance shall void such approval.

PROFILE DRAWINGS
(DIMENSIONS SHOWN ARE FOR PANEL EXPOSURE)

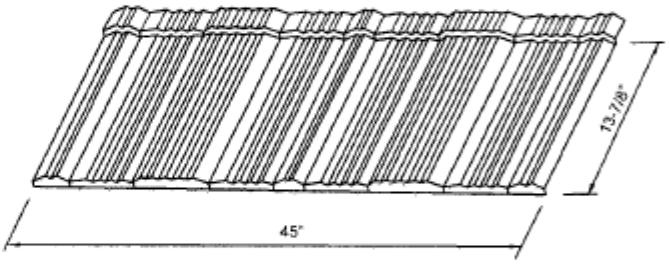
Gerard Tile



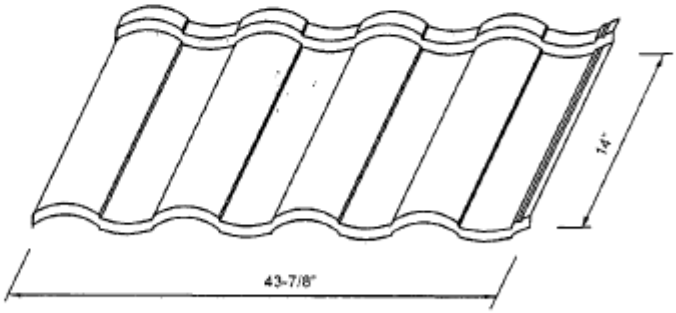
Gerard Shake



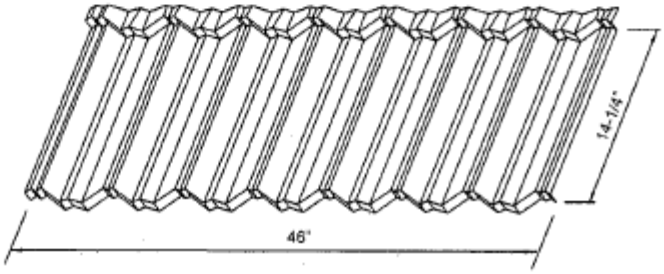
Gerard Canyon Shake



Gerard Barrel Vault

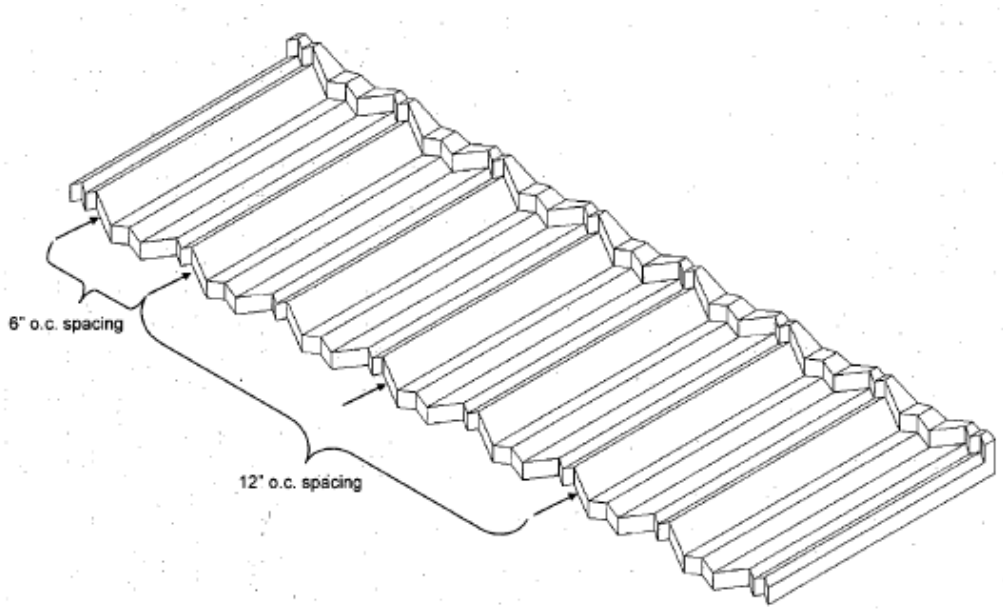


Gerard NB Tile

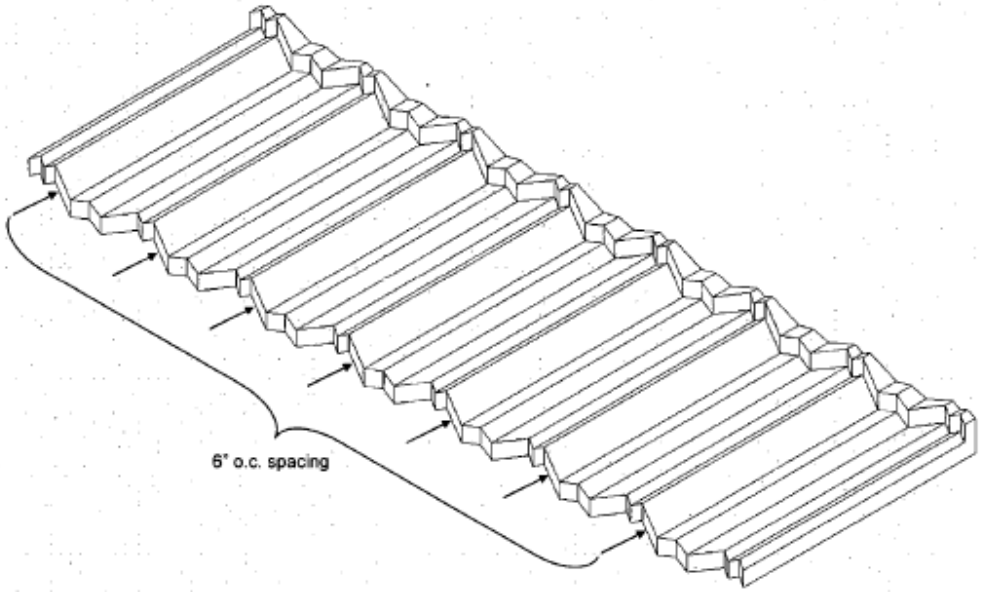


MIAMI-DADE COUNTY APPROVED

DETAIL DRAWINGS

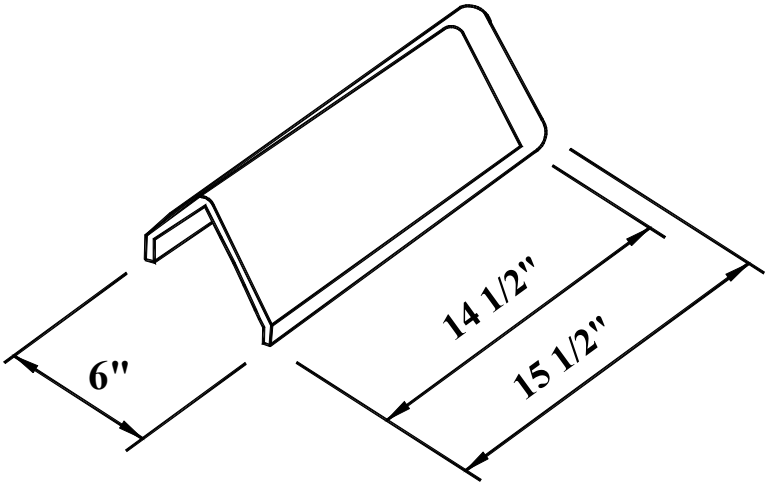


FIELD CONDITION
FASTENING PATTERN

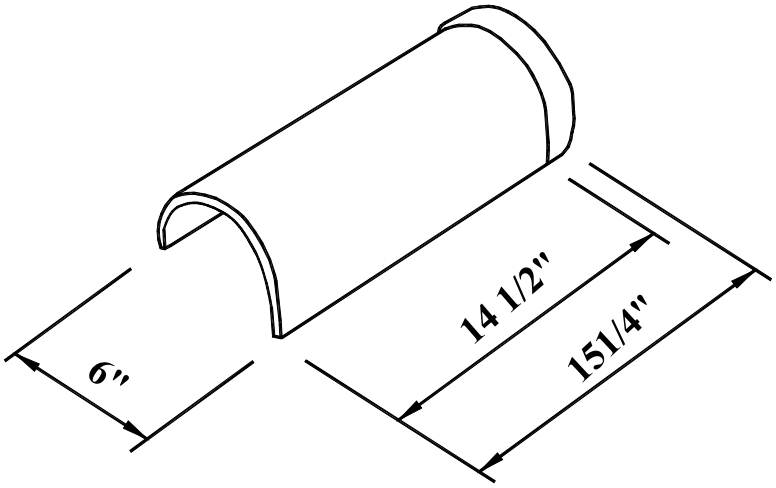


PERIMETER AND CORNER CONDITION
FASTENING PATTERN

DETAIL DRAWINGS *(CONTINUED)*
TRIM PIECES



SHAKE CAP



MISSION TRIM

END OF THIS ACCEPTANCE