



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)

Firestone Building Products Company, LLC.
250 W 96th Street
Indianapolis, IN. 46260

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: UC-3 Steel Standing Seam Metal Roof Panels on 22 ga. B-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 revises NOA#11-0210.02 and consists of pages 1 through 7.
The submitted documentation was reviewed by Alex Tigera.



NOA No. 13-1010.02
Expiration Date: 08/11/15
Approval Date: 02/06/14
Page 1 of 7

ROOFING ASSEMBLY APPROVAL:

Category:	Roofing
Sub-Category:	Non-Structural Metal Roofing
Material:	Steel
Deck Type:	22 ga. (0.032" min.) G90 galvanized Steel B-Deck.
Maximum Design Pressure	-101 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
UC-3	l = various w = 16" or 20" h = 1.50" Min. 24 ga. (57.20 ksi min. yield)	TAS 110	Corrosion resistant, galvalume or galvanized, preformed, standing seam, coated, prefinished, metal panels.
Trim Pieces	l = varies w = varies min. 24 ga.	TAS 110	Standard flashing and trim pieces. Manufactured for each panel width.
Panel Clips	Clip base 1.0" wide x 0.420" high x 5.0" long 0.0275" thick galvanized (ASTM G90) Steel, 50 ksi (min. yield) Clip top 0.412" wide x 1.870" high x 3.0" long 0.0235" thick galvanized (ASTM G90) Steel, 50 ksi (min. yield)	TAS 114 Appendix E	Corrosion resistant, formed, painted or unpainted steel clips for metal panel installation.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Manufacturer</u>
Bostik 70-05A Sealant	N/A	N/A	Bostik, Inc.

MANUFACTURING LOCATION:

1. College Park, GA.
2. Jackson, MS.
3. Anoka, MN.



EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Center For Applied Engineering, Inc.	MTS 257364	PA 100	Sept. 1995
Akzo Coatings		ASTM G 23 ASTM B 117	
Valspar Corporation	435B187 435A871	ASTM G 23 ASTM B 117	
Hurricane Test Laboratory, Inc.	0227-0226-04	TAS 125	06/29/04
Hurricane Test Laboratory, LLC	0227-1207-05	TAS 125	04/20/06
Architectural Testing	C7712.01-450-18	TAS 125	09/11/13



APPROVED ASSEMBLIES:

System A: UC-3 Standing Seam 16” wide Steel Roof Panels
Deck Type: Steel, Insulated
Deck Description: 22 ga. (0.032” min.) G90 galvanized Steel B-Deck.
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 5/8” diameter puddle welds 12” o.c. to the supports that spaced at 48” maximum, 5/8” diameter puddle welds 6” o.c. around deck perimeter to the supports, ¼ x ¾” HH stitch screws at 12” o.c. at the deck sidelaps.

Insulation: Minimum ¾” thick maximum 4” thick of an approved rigid board insulation with current NOA having a minimum 20psi compressive strength fastened with approved #12 pan head self tapping screws, with insulation plates, long enough to penetrate the deck. Fastening density shall be in compliance with applicable Building Code and Roofing Application Standard RAS 117.

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 #12 x 4” truss head screws with insulation plate spaced 24” on center in the field of the roll and its perimeter. Or, any 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 Firestone Metal Products’ current published installation instructions.

Metal Panels and Accessories: Install the "UC-3 Standing Seam 16” wide Steel Roof Panels" and accessories in compliance with Firestone Metal Products’ current, published installation instructions and details. Flashing penetrations, valley construction and other details shall be constructed in compliance with minimum requirements provided in Roofing Application Standards RAS 133.

Each roof panel is mechanically attached to the Steel B-Deck along its male rib using the approved clips (5.0” long x 1-5/16” wide x 1-15/16” tall) located 6” from each panel end and 12” o.c. (Roof’s Field) and 6” o.c. (Roof’s Perimeter and Corner) thereafter. Each clip is attached to B-Deck substrate with two corrosion resistant #12 x 3” Pancake Head SMS screws of sufficient length to penetrate through the B-Deck.

The adjacent panel is placed over the male rib/clips then mechanically seamed 90 degrees.

TABLE A MAXIMUM DESIGN PRESSURES		
Roof Areas	Field	Perimeter and Corner ²
Maximum Design Pressures	-71 psf	-101 psf
Maximum Clip Spacing	12” o.c.	6” o.c.

1. Extrapolation shall not be allowed



System B: UC-3 Standing Seam 20" wide Steel Roof Panels
Deck Type: Steel, Insulated
Deck Description: 22 ga. (0.030" min.) ASTM A653, SS GRD 33, G60 galvanized Steel B-Deck.
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 #12 x 2" Tek 3 screws spaced 6" o.c. to the supports that spaced at 60" maximum. Overlaps are secured with #12 x 2" Tek 3 screws spaced at 6" o.c.

Insulation: Minimum 3/4" thick maximum 4" thick of an approved rigid board insulation with current NOA having a minimum 32psi compressive strength fastened with approved #12 pan head self tapping screws, through a 2-7/8" diameter insulation plate, long enough to penetrate the deck. Fastening density shall be in compliance with applicable Building Code and Roofing Application Standard RAS 117.

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 #12 x 4" truss head screws with insulation plate spaced 24" on center in the field of the roll and its perimeter. Or, any 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 Firestone Metal Products' current published installation instructions.

Metal Panels and Accessories: Install the "UC-3 Standing Seam 20" wide Steel Roof Panels" and accessories in compliance with Firestone Metal Products' current, published installation instructions and details. Flashing penetrations, valley construction and other details shall be constructed in compliance with minimum requirements provided in Roofing Application Standards RAS 133.

Each roof panel is mechanically attached to the Steel B-Deck along its male rib using the approved clips (5.0" long x 1-5/16" wide x 1-15/16" tall) located 5" from each panel end and then as per **Table B** below thereafter. Each clip is attached to B-Deck substrate with two corrosion resistant #12 Pancake Head SMS screws of sufficient length to penetrate through the B-Deck.

The adjacent panel is placed over the male rib/clips then mechanically seamed 90 degrees.

**TABLE B
MAXIMUM DESIGN PRESSURES**

Roof Areas	Field	Perimeter and Corner ²
Maximum Design Pressures	-71 psf	-161 psf
Maximum Clip Spacing	16" o.c.	6" o.c.
2. Extrapolation shall not be allowed		



SYSTEM LIMITATIONS

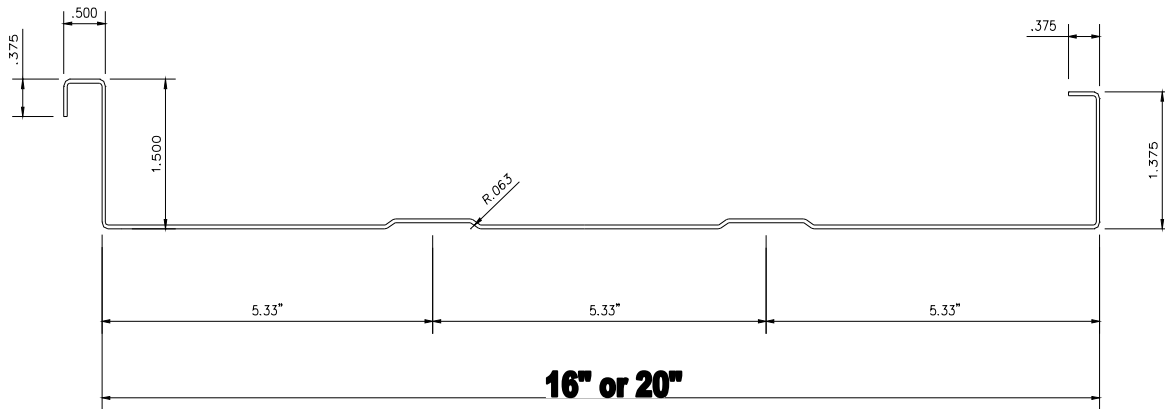
1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis,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



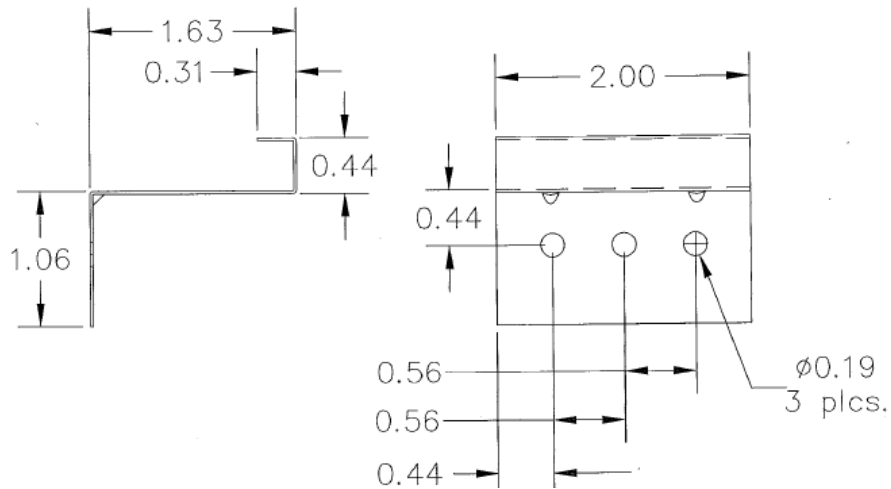
5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9N-3 of the Florida Administrative Code.



PROFILE DRAWINGS



**UC 3 PANEL
(STIFFENING RIBS OPTIONAL)**



PANEL CLIP

END OF THIS ACCEPTANCE

