



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**Firestone Metal Products, LLC.
250 West 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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: UC14 Steel Standing Seam Metal Roof Panel

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 6.
The submitted documentation was reviewed by Alex Tigera.



**NOA No.: 08-0915.02
Expiration Date: 12/31/13
Approval Date: 12/31/08
Page 1 of 6**

ROOFING SYSTEM APPROVAL:

Category: Roofing
Sub-Category: Metal, Panels(Non-Structural)
Material: Steel
Deck Type: Wood
Maximum Design Pressure -99.5 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

| <u>Product</u> | <u>Dimensions</u> | <u>Test Specifications</u> | <u>Product Description</u> |
|---------------------------------------|---|----------------------------|---|
| Firestone UC-14 Metal Roof Deck Panel | l = various height: 1-1/2" maximum w = 16" min. 24 gage (0.024") (panels are cut to appropriate length) | TAS 110 | Corrosion resistant, galvalume or galvanized, preformed, standing seam, coated, prefinished, metal panels. |
| Trim Pieces | l = varies w = varies min. 24 ga. (0.024") | TAS 110 | Standard flashing and trim pieces. Manufactured for each panel width. |
| Panel Clips | Base: Length: 3.75" Width: 2.0" Height: 1.875" Thickness: 18ga (.050") Tab: Length: 3.5" Width: 1.875" Hole Diameter: 0.22" | TAS 114 Appendix E | One piece G-90 Galvanized or 300 Series Stainless Steel panel clip used for the field conditions of Firestone UC-14 panel assembly. |

EVIDENCE SUBMITTED:

| <u>Test Agency</u> | <u>Test Identifier</u> | <u>Test Name/Report</u> | <u>Date</u> |
|----------------------------|------------------------|-------------------------|-------------|
| PRI Construction Materials | FBP-026-02-01 | TAS 100 | 10/18/07 |
| Valspar | | ASTM G 23 | 11/17/06 |
| Valspar | | ASTM B 117 | 05/10/06 |
| Underwriters Laboratories | 07NK19743 | UL 580 | 08/06/08 |



APPROVED ASSEMBLIES

SYSTEM A-1: UC14, 24 ga, 16" wide Steel Panel

Deck Type: Wood, Non-insulated

Deck Description: $1\frac{9}{32}$ " or greater plywood or wood plank.

Slope Range: 2":12" or greater

Maximum Uplift Pressure: See Table 'A' Below

Deck Attachment: In accordance with applicable Building Code, but in no case shall it be less than 8d annular ring shank nails spaced 6" o.c. In reroofing, where the deck is less than $1\frac{9}{32}$ " thick (Minimum $1\frac{5}{32}$ "). The above attachment method must be in addition to existing attachment.

Underlayment: First layer of 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 $\frac{1}{4}$ " annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any approved underlayment having a current NOA.

An additional layer of Versashield (serving as a second underlayment) shall be installed with a minimum 4" side-lap and 6" end-laps. Underlayment shall be tacked in place with corrosion resistant fasteners.

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

Fire Barrier Board: Any approved fire barrier having a current NOA. Or for class A or B fire rating, install minimum $\frac{1}{4}$ " thick Georgia Pacific "Dens Deck" (with current NOA) or loose lay one layer of Elk's "Versa Shield" (with current NOA) or minimum 4mm thick of Tritex, RockRoof (with current NOA) or $\frac{5}{8}$ " water resistant type X gypsum sheathing with treated core and facer.

Metal Panels and Accessories:

Install the "UC14 Steel 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 the minimum requirements provided in Roofing Application Standards RAS 133.

1. Panels shall be installed with approved clips over the male end of the panel and shall be at a maximum spacing noted in Table A. Place the female end of the adjacent panel over the male/clip assembly.
2. Clips are to be attached to substrate with (2) one corrosion resistant #10 screws per clip of sufficient length to penetrate through the sheathing a minimum of $\frac{3}{16}$ ".

| TABLE A MAXIMUM DESIGN PRESSURES | | |
|---|------------------|---|
| Roof Areas | Field | Perimeter and Corner¹ |
| Maximum Design Pressures | -78.5 psf | -99.5 psf |
| Maximum Clip Spacing | 12" o.c. | 6" o.c. |
| 1. Extrapolation shall not be allowed | | |



SYSTEM LIMITATIONS:

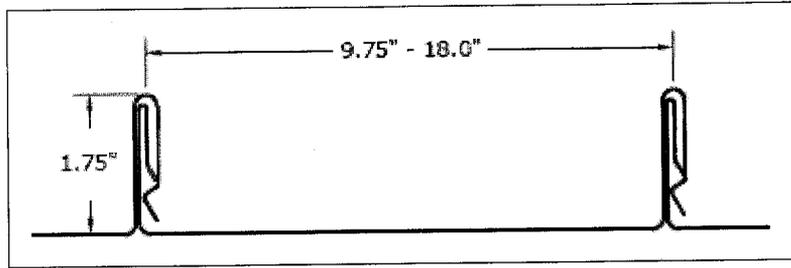
1. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
2. All 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.



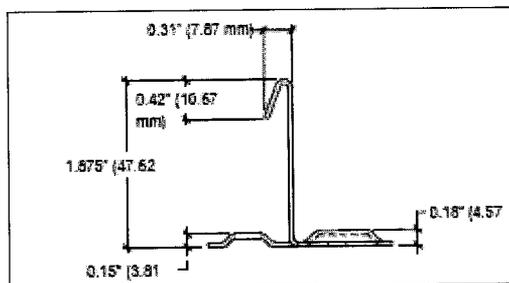
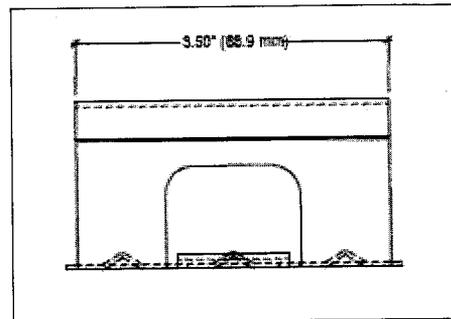
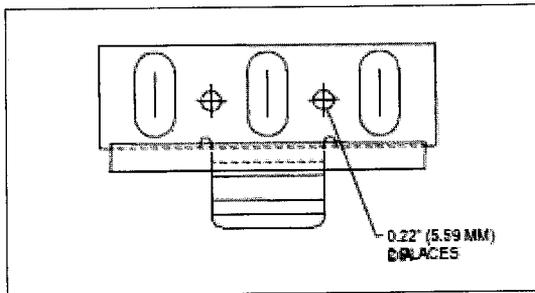
3. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
4. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.
5. Panels shall be roll formed in continuous lengths from eave to ridge. Maximum lengths shall be as described in Roofing Application Standard RAS 133.



PROFILE DRAWINGS



UC-14 - 24GA. STEEL PANEL



PANEL CLIP

END OF THIS ACCEPTANCE

