



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)

Sentrigard Metal Roofing Systems Association, Corp.
4625 Alexander Drive, Suite 135
Alpharetta, GA. 30022

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: Sentrigard NS 150 H

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 7.

The submitted documentation was reviewed by Alex Tigera.



NOA No.: 10-0603.08
Expiration Date: 08/25/15
Approval Date: 08/25/10
Page 1 of 7

ROOFING SYSTEM APPROVAL:

Category: Roofing
Sub-Category: Non-Structural Metal Panels
Material: Steel
Deck Type: Wood
Maximum Design Pressure -116 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
NS 150 H	Length: various Height: 1-1/2" Width: 15-1/2" Thickness = 24ga (0.024")	TAS 110	Corrosion resistant, steel, coated nailstrip panel.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Farabaugh Engineering and Testing Inc.	T349-07A	TAS 100	12/28/07
Force Engineering & Testing, Inc.	261-0465T-07A, B	TAS 125	07/11/07
Force Engineering & Testing, Inc.	261-0465T-07C	TAS 125	07/11/07
Valspar		ASTM G23	03/16/05
Valspar		ASTM B 117	08/12/98
PRI Asphalt Materials Technologies	VLS-001-02-01	ASTM B 117	01/19/04



APPROVED ASSEMBLIES:

System: NS 150 H 24ga Steel 15-1/2" wide panel

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 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 ¹⁹/₃₂" thick (Minimum ¹⁵/₃₂") The above attachment method must be in addition to existing attachment.

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 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.

Additionally, install an 18" wide strip of W.R. Grace Ice and Water Shield along the entire eave and rake on top of the ASTM D 226 Type II underlayment.

Fire Barrier Board: Any approved fire barrier having a current NOA, or for class A or B fire rating, install minimum 1/4" thick Georgia Pacific "Dens Deck" (with current NOA) or minimum 4mm thick of Tritex, RockRoof (with current NOA) or 5/8" water resistant type X gypsum sheathing with treated core and facer.

Valleys: Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with the current published installation instructions and details in Sentrigard Metal Roofing Systems Association, Inc.'s Installation Manual.

Additionally, install a full sheet of W.R. Grace Ice and Water Shield underlayment, centered on the valley, on top of the ASTM D 226 Type II underlayment.

Metal Panels and Accessories: Install the "NS 150 H 24ga Steel Panel" including flashing penetrations, valleys, end laps and accessories in compliance "Sentrigard Metal Roofing Systems Association, Inc.'s" current, published installation instructions and in compliance with the minimum requirements detailed in Roofing Application Standard RAS 133.



**Field Condition
Fastening:**

Panels shall be secured with corrosion resistant #12-11 Type A fasteners of sufficient length to penetrate through the sheathing a minimum of $\frac{3}{16}$ ". The fasteners shall be placed 11" o.c. The adjacent panel is then placed over the secured panel and snap locked into place. See Details herein for panel dimensions and fastener locations.

**Maximum Design
Pressure (Field
Condition):**

-78.5 (See General Limitation #1)

**Perimeter and
Corner Condition
Fastening:**

Panels shall be secured with corrosion resistant #12-11 Type A fasteners of sufficient length to penetrate through the sheathing a minimum of $\frac{3}{16}$ ". The fasteners shall be placed 6" o.c. The adjacent panel is then placed over the secured panel and snap locked into place.

Additionally, secure panel with 2 rows in the pan section of panel. Fasteners shall be corrosion resistant #10-11 Eclipse Head fasteners of sufficient length to penetrate through the sheathing a minimum of $\frac{3}{16}$ " spaced 12" o.c. See Details herein for panel dimensions and fastener locations.

**Maximum Design
Pressure (Perimeter
and Corner
Condition):**

-116 psf (See General Limitation #1)



LIMITATIONS

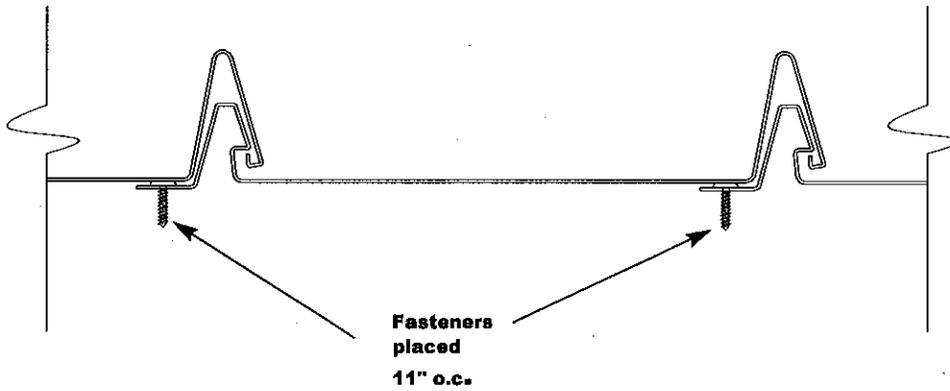
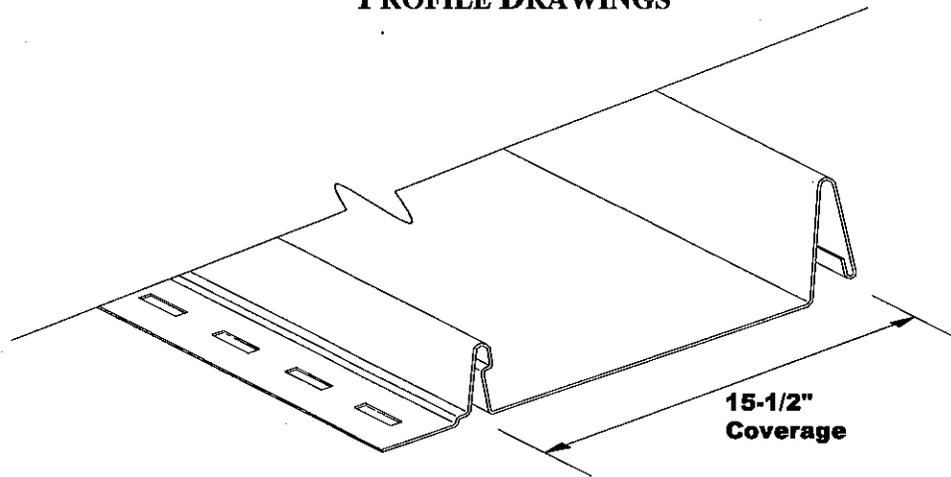
1. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
2. Panels may be rolls formed in continuous lengths from eave to ridge. Maximum lengths shall be as described in Roofing Application Standard RAS 133
3. 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.



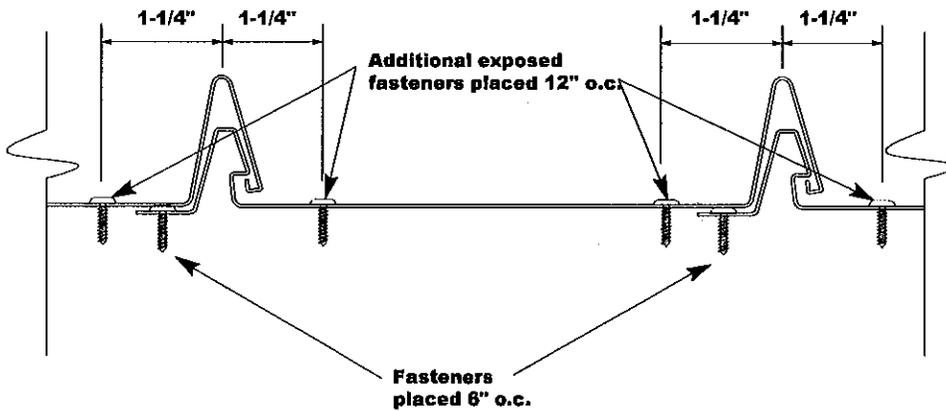
4. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.
6. Panels may be jobsite roll formed with machine model #Q98631039A from Sentrigard Metal Roofing Systems Association, Inc..



PROFILE DRAWINGS



FIELD CONDITIONS (FASTENING PATTERN)



PERIMETER AND CORNER CONDITIONS (FASTENING PATTERN)

END OF THIS ACCEPTANCE



GREEN SUSTAINABLE ATTRIBUTES (GSA)

SCOPE: This document is solely for the purpose of verification of Sustainable Attributes of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division.

G.1. SOLAR REFLECTANCE AND THERMAL EMITTANCE					
Metal Panel Color	Initial Reflectance	Aged Reflectance	Initial Emittance	Aged Emittance	Solar Reflectance Index (SRI)
1. Almond (T23)	0.61	0.60	0.87		73
2. Apothecary Blue (V32)	0.26	0.26	0.85		24
3. Banner Red (V93)	0.42	0.41	0.84		45
4. Bone White (V03)	0.65	0.65	0.86		78
5. Bright Copper (V25)	0.49	0.47	0.85		55
6. Bright Silver (V26)	0.60	0.60	0.77		68
7. Burgundy (V24)	0.25	0.23	0.85		23
8. Charcoal Gray (L01)	0.29	0.25	0.89		30
9. Classic Green (L02)	0.31	0.25	0.85		31
10. Colonial Red (L03)	0.35	0.23	0.85		36
11. Dark Bronze (L04)	0.28	0.25	0.89		29
12. Hartford Green (L05)	0.30	0.25	0.85		30
13. Hemlock Green (L06)	0.37	0.32	0.85		39
14. Mansard Brown (L07)	0.29	0.25	0.86		29
15. Matte Black (L08)	0.29	0.25	0.86		29
16. Medium Bronze (L09)	0.30	0.25	0.86		30
17. Musket Gray (L10)	0.33	0.31	0.85		34
18. Old Town Gray (L18)	0.40	0.35	0.86		43
19. Patina Green (V14)	0.29	0.28	0.87		29
20. Pewter (L11)	0.36	0.35	0.85		38
21. Regal Blue (L12)	0.28	0.25	0.89		29
22. Regal White (V38)	0.68	0.67	0.86		82
23. Sandstone (V17)	0.54	0.53	0.86		63
24. Sierra Tan (V70)	0.38	0.38	0.85		40
25. Slate Blue (L13)	0.29	0.25	0.86		29
26. Slate Gray (L14)	0.40	0.39	0.86		43
27. Stone White (V31)	0.61	0.61	0.85		72
28. Surrey Beige (V21)	0.40	0.39	0.86		43
29. Teal (L15)	0.30	0.28	0.85		30
30. Terra Cotta (V23)	0.39	0.38	0.84		41

G.4. RECYCLED CONTENT / BIO-BASED MATERIAL / RAPIDLY RENEWABLE MATERIAL				
Component Name	% Recycled Content at Manuf.	% Recycled at Disposal	% Bio-based Material	% Renewable Material
1. Sentrigard NS 150 H (Steel)	31.96%	100%		

G.6. ROOF SYSTEM LIFE CYCLE	
Years	Assemblies:
40	Sentrigard Metal Roofing Systems Association, Corp – All Assemblies

G-1



NOA No.: 10-0603.08
 Expiration Date: 08/25/15
 Approval Date: 08/25/10
 Page 7 of 7