MIAMI-DADE

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)

W.P. Hickman Systems, Inc.
30700 Solon Industrial Parkway
Solon, OH. 44139

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: HK 1.5 Standing Seam Architectural Metal Roof System

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.

ROOFING SYSTEM APPROVAL:

Category:	Roofing
Sub-Category:	Metal, Panels (Non-Structural)
Material:	Steel
Deck Type:	Wood
Maximum Design Pressure	**-159.25 psf**

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specifications	Product Description
HK 1.5 Standing Seam Metal Roof	l = varies w = 16" h = 1-½" Min. Thickness 0.023"	TAS 110	Corrosion resistant galvanized or galvalume preformed, coated, prefinished, metal panels.
Panel Clip	l = 2" w = 1.5" h = 1.62" Min. Thickness 0.023"	TAS 110	Corrosion resistant galvanized or galvalume preformed, coated, prefinished, metal clips.
Trim Pieces	l = varies w = varies Min. Thickness 0.023".	TAS 110	Standard flashing and trim pieces. Manufactured for each panel width.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

Product	Dimensions	Product Description	Manufacturer
Fire Barrier Board ("Versashield")	Min. ¼" thick	Fire barrier for Class 'A' fire rating	Elk Corp (with current NOA)
#30 Felt	N/A	Saturated organic felt to be used as a nailed underlayment.	Generic (with current NOA)
Chem-Calk® 915	Gun Grade	Polyurethane, elastomeric sealant	Bostik®, Inc.
Fasteners (Panel)	Min. #10 wood screw	Corrosion resistant, pancake head screws	Generic

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
Valspar Corporation		ASTM G 23 ASTM B 117	
Celotex Corporation Testing Services	MTS 520600	TAS 100	May 2000
Hurricane Test Laboratory, Inc.	0223-0301-00	TAS 125	March 2000
Hurricane Test Laboratory, Inc.	0223-0517-06	TAS 125	Nov. 2006

APPROVED SYSTEMS:

SYSTEM A-1:	HK 1.5 Standing Seam Metal Roof Panel (16" wide)
Deck Type:	Wood, Non-insulated
Deck Description:	$^{19}/_{32}$" or greater plywood or wood plank.
Slope Range:	2":12" or greater
Maximum Uplift Pressure:	**See Fastening Conditions Below (See General Limitation #1)**

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. 8d annular ring shank nails spaced 6" o.c.

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 with a current NOA, or for class A or B fire rating, install minimum ¼" 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 the minimum requirements provided in Roofing Application Standard RAS 133, and with W.P Hickman's current published installation instructions.

Metal Panels and Accessories:

Install the " HK 1.5 Standing Seam Panels" and accessories in compliance with W.P. Hickman's 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.

Fastening Pattern (field condition)

1. Panels shall be installed with approved Panel Clips located at each panel rib side lap to start 3" from panel ends and not exceeding 16" o.c. thereafter, parallel to roof slope. **(See Detail B)**
2. Panels shall be fastened with a minimum of two (2) #10 corrosion resistant screws per clip of sufficient length to penetrate through the sheathing a minimum 3/16".
3. Standing seams shall be mechanically seamed to a full 90 degree seam, (single lock)

Maximum Design Pressure (field Condition):

-86.25 psf. (See General Limitation #1)

Fastening Pattern (perimeter and corner condition)

1. Panels shall be installed with approved Panel Clips located at each panel rib side lap to start 3" from panel ends and not exceeding 12" o.c. thereafter, parallel to roof slope. **(See Detail C)**
2. Panels shall be fastened with a minimum of two (2) #10 corrosion resistant screws per clip of sufficient length to penetrate through the sheathing a minimum 3/16".
3. Standing seams shall be mechanically seamed to a full 90 degree seam, (single lock)
4. Each seam is to be sealed with a 1/8" x 1/8" bead of Bostik® Chem-Calk® 915 Sealant.

Maximum Design Pressure: (Perimeter and corner cond.)

-159.25 psf. (See General Limitation #1)