DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
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NOTICE OF ACCEPTANCE (NOA)

Sheet Metal Unlimited PL, Inc.
2801 NW 55 CT, Bldg. 1
Fort Lauderdale, FL 33309

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: PAC-150 24 ga. x 12in thru 20in Wide Steel Panel over Wood 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–No. 20–0110.04 and consists of pages 1 through 5.
The submitted documentation was reviewed by Sifang Zhao, P.E.

06/16/2022

ROOFING SYSTEM APPROVAL:

Category:	Roofing
Sub-Category:	Metal, Panels (Non-Structural)
Material:	Steel
Deck Type:	Wood
Maximum Design Pressure	**–136.75 psf**

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specifications	Product Description
PAC-150 1.5” Steel Panel	Length: various Height: 1-1/2” Width: 12” - 20” (coverage) Min. Thickness 24 ga Min. Yield Strength: 55 ksi.	TAS 110	Corrosion resistant, galvalume, preformed, standing seam. Coated, prefinished panels.
PAC-150 Fixed Clip	Length: 2” Height: 1.625” Width: 0.875” Min. Thickness 24 ga.	TAS 110	Corrosion resistant, Min. 24 ga. steel clip or Min. 24 ga. stainless steel clip.
PAC-150 Sliding Clip	Top: 2” Overall Height: 1.63” Base: 0.75” x 5” Min. Top Thickness 24 ga. Min. Base Thickness 22 ga.	TAS 110	Corrosion resistant, Min.24 / Min. 22 ga. steel clip or 24/22 ga. stainless steel clip. Clip shall be secured with min. of 2 screws in the outer holes of the base.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
Valspar	433X515 433B173	ASTM B 117 ASTM G 23	
Fenestration Testing	13-852	TAS 100	06/11/13
Architectural Testing	C8009.01-450-18 F1797.01-450-18	TAS 125 TAS 125	06/17/13 10/12/15
Intertek | ATI	J6884.02.01-450-44 R1	ASTM E2140	12/19/19

APPROVED ASSEMBLIES:

System:	PAC-150 24 ga. x 12” thru 20” Wide Steel Panels over Plywood
Deck Type:	Wood, Non-insulated
Deck Description:	New Construction $^{19}/_{32}$” or greater plywood or wood plank, or for re-roofing $^{15}/_{32}$” or greater plywood.
Slope Range:	2": 12" or greater (1”:12” effective w/2020 FBC 7th Edition)
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 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: 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 the current published installation instructions and details in PAC Contractors Association’s Installation Manual.

Metal Panels and Accessories: Install the " PAC-150 1.5 Steel Panel " including flashing penetrations, valleys, end laps and accessories in compliance “PAC Contractors Association’s” current, published installation instructions and in compliance with the minimum requirements detailed in Roofing Application Standard RAS 133.

Panels shall be secured along the male rib with approved clips (PAC-150 Fixed Clip or PAC-150 Sliding Clip) and two corrosion resistant #10 x 1 ½” pancake head screws of sufficient length to penetrate through the sheathing a minimum of $^{3}/_{16}$". When using the PAC-150 Sliding Clip, screws must be installed in the outer holes of the base. The panel clips were placed at a spacing listed in Table A below. The female rib of panel is installed over the male rib of panel. Panels are seamed as listed below in **Table A**.

TABLE A
MAXIMUM DESIGN PRESSURES

Roof Areas	Field	Perimeter and Corner[1]	Perimeter and Corner[1]
Maximum Design Pressures	**–[illegible]0.25 psf**	Field **–114.25 psf**	**–136.75 psf**
Maximum Clip Spacing	**2[illegible] o.c.**	**6” o.c.**	**12” o.c.**
Panel Seam	**[illegible]0º degrees**	**90º degrees**	**180º degrees**

1. Extrapolation shall not be allowed

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 **61G20-3** of the Florida Administrative Code.

6. Panels may be shop or jobsite roll formed with machine model #('s) **8500918, 0040219 and 9077379** from PAC Contractors Association.

Profile Drawings

Optional factory or field applied sealant in the seam
clip reliefs, Stiffening Ribs and Striations are Optional

PAC-150 Fixed Clip

PAC-150 Sliding Clip
(Min. 2 Screws in the outer holes of Base)

90º Single Lock

180º Double Lock

END OF THIS ACCEPTANCE