



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
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Gizmo's Lion Sheet Metal, Inc.
1648 Donna Road
West Palm Beach, FL 33409

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-2400 - 24ga. (min.) Steel Panel over Steel 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 consists of pages 1 through 11.

The submitted documentation was reviewed by Rafael Macedo.

11/06/25



NOA-No.: 25-1007.11
Expiration Date: 11/06/30
Approval Date: 11/06/25
Page 1 of 11

ROOFING SYSTEM APPROVAL:

Category:	Roofing
Sub-Category:	Metal, Panels (Non-Structural)
Material:	Steel
Deck Type:	Steel
Maximum Design Pressure	-151.75 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
PAC-2400 – 24ga. (min.) Steel Panel (16” width)	Length: various Height: 2” Width: 16” Thickness: 24 ga. (min.) Min. Yield Strength: 54 ksi	TAS 110	Corrosion resistant, galvanized steel or galvalume metal panel.
PAC-2400 – 24ga. (min.) Steel Panel (18” width)	Length: various Height: 2” Width: 18” Thickness: 24 ga. (min.) Min. Yield Strength: 61 ksi	TAS 110	Corrosion resistant, galvanized steel or galvalume metal panel.
Panel Clip	Base: Length: 4.5” Height: 1-1/4” Width: 1” Thickness: 18ga Upper Clip: Length: 5.045” Height: 0.929” Width: 0.40” Thickness: 22ga		Two-piece panel clip (base and upper clip) used for the field conditions of PAC-2400 – 16” wide panel assembly.
Continuous Clip	Base: Length: 120” Height: 1-1/4” Width: 1” Thickness: 18ga Upper Clip: Length: 5.045” Height: 0.929” Width: 0.40” Thickness: 22ga		Two-piece panel clip (base and upper clip) used for the perimeter and corner conditions of PAC-2400 – 16” wide panel assembly.

Two Piece Clip

Overall
Length: 4-5/16"
Height: 2-1/4"
Width: 2-7/16"
Base Thickness: 18ga
Upper Thickness: 22ga

Two-piece panel clip (base and upper clip)
used for the field conditions of PAC-2400 –
18" wide panel assembly.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Intertek	K6520.01-450-18 R1	TAS 125	01/27/22
	K6520.07-450-18 R0	TAS 100	08/19/22
PRI Construction Materials Technologies	VLS-015-02-01	ASTM B 117	05/15/18
	VLS-015-02-01	ASTM G 155	05/15/18
PRI Asphalt Technologies, Inc.	HTL-014-02-01	TAS 100	09/28/07
Hurricane Test Laboratory, Inc.	0287-0313-07	TAS 125	08/10/07
	0287-0209-07	TAS 125	08/10/07
		ASTM E8	11/29/08



APPROVED ASSEMBLIES:

System A(1):	PAC-2400 Standing Seam 24 ga. (min.) 16" wide Panel
Deck Type:	Steel, Insulated
Deck Description:	Metal roof deck 22 MSG grade A. coated steel. Panel continuous over two or more spans without endlaps.
Slope Range:	2": 12" or greater
Maximum Uplift Pressure:	See Panel Attachments Below

Deck Attachment:	Minimum 22 gage steel deck shall be secured 6" o.c. to structural supports spaced a maximum of 5 ft o.c. with one (1) #12 x 1-½" Hex Washer Head self drilling screws fastened at the bottom of each flute (6" o.c.). Deck sidelaps shall be fastened 6" o.c. with #12 x 1-½" Hex Head self drilling screws.
Insulation:	Minimum ¾" thick and Maximum 4" thick of an approved rigid board insulation with current NOA having a minimum 25psi compressive strength fastened with approved fasteners and plates. 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 corrosion resistant tin-caps and #10 pancake head screws long enough to penetrate the deck, spaced 6" o.c. at all laps and two staggered rows 6" o.c. in the field of the roll or any approved underlayment having a current NOA.
Fire Barrier Board:	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-2400 - 24ga. (min.) Steel Panel" panels including flashing penetrations, valleys, end laps and accessories in compliance with PAC Contractors Association's current, published installation instructions and in compliance with the minimum requirements detailed in Roofing Application Standard RAS 133.
Field Conditions:	Panels shall be secured along the male rib with approved panel clip (base and upper clip) with two corrosion resistant #10 pancake head fasteners of sufficient length to penetrate through the sheathing a minimum of ³⁄₁₆". The panel clips were placed at a spacing listed of 24" on center starting 3" from panel end. The female rib of panel is placed over the male/clip assembly and seamed 180°.
Maximum Design Pressure (Field):	—88.00 psf (see General Limitation #2).

**Perimeter and Corner
Conditions:**

Panels shall be secured along the male rib with approved continuous clip with two corrosion resistant #10 pancake head fasteners of sufficient length to penetrate through the sheathing a minimum of $\frac{3}{16}$ " at 12" o.c. The upper clip placement along the continuous clip is at 12" o.c. The female rib of panel is snapped over the male rib of panel.

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

−121.75 psf (see General Limitation #2).



System A(2):	200 PAC-2400 Standing Seam 24 ga. (min.) 16" wide Panel
Deck Type:	Steel, Non-Insulated
Deck Description:	Metal roof deck 22 MSG grade A. coated steel. Panel continuous over two or more spans without endlaps.
Slope Range:	2": 12" or greater
Maximum Uplift Pressure:	See Panel Attachments Below
Deck Attachment:	Minimum 22 gage steel deck shall be secured 6" o.c. to structural supports spaced a maximum of 5 ft o.c. with one (1) #12 x 1-½" Hex Washer Head self drilling screws fastened at the bottom of each flute (6" o.c.). Deck sidelaps shall be fastened 6" o.c. with #12 x 1-½" Hex Head self drilling screws.
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 #10 pancake head screws long enough to penetrate the deck, spaced 6" o.c. at all laps and two staggered rows 6" o.c. in the field of the roll or any approved underlayment having a current NOA.
Fire Barrier Board:	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-2400 - 24ga. (min.) Steel Panel" panels including flashing penetrations, valleys, end laps and accessories in compliance with PAC Contractors Association's current, published installation instructions and in compliance with the minimum requirements detailed in Roofing Application Standard RAS 133.
Field Conditions:	Panels shall be secured along the male rib with approved panel clip (base and upper clip) with two corrosion resistant #10 pancake head fasteners of sufficient length to penetrate through the sheathing a minimum of 3/16". The panel clips were placed at a spacing listed of 24" on center starting 3" from panel end. The female rib of panel is placed over the male/clip assembly and seamed 180°.
Maximum Design Pressure (Field):	–91.75 psf (see General Limitation #2).
Perimeter and Corner Conditions:	Panels shall be secured along the male rib with approved continuous clip with two corrosion resistant #10 pancake head fasteners of sufficient length to penetrate through the sheathing a minimum of 3/16" at 12" o.c. The upper clip placement along the continuous clip is at 12" o.c. The female rib of panel is snapped over the male rib of panel.
Maximum Design Pressure (Perimeter and Corner):	–151.75 psf (see General Limitation #2).

System A(3):	PAC-2400 Standing Seam 24 ga. (min.) 18" wide Panel
Deck Type:	Steel, Insulated
Deck Description:	Metal roof deck 22 gauge B Deck. coated steel. Panel continuous over two or more spans without endlaps.
Slope Range:	2": 12" or greater
Maximum Uplift Pressure:	See Panel Attachments Below
Deck Attachment:	Minimum 22 gage steel deck shall be secured 6" o.c. to structural supports spaced a maximum of 5 ft o.c. with one (1) #12 x 1-½" Hex Washer Head self drilling screws fastened at the bottom of each flute (6" o.c.). Deck sidelaps shall be fastened 6" o.c. with #12 x 1-½" Hex Head self drilling screws.
Insulation:	Minimum ¾" thick and Maximum 4" thick of an approved rigid board insulation with current NOA having a minimum 25psi compressive strength fastened with approved fasteners and plates. 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 corrosion resistant tin-caps and #10 pancake head screws long enough to penetrate the deck, spaced 6" o.c. at all laps and two staggered rows 6" o.c. in the field of the roll or any approved underlayment having a current NOA followed by a full layer of MetShield HT Underlayment fully adhered on to the mechanically fastened anchor sheet.
Fire Barrier Board:	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-2400 - 24ga. (min.) Steel Panel" panels including flashing penetrations, valleys, end laps and accessories in compliance with PAC Contractors Association's current, published installation instructions and in compliance with the minimum requirements detailed in Roofing Application Standard RAS 133.
Field Conditions:	Panels shall be secured along the male rib with approved two-piece clip (base and upper clip) with two corrosion resistant #14 pancake head fasteners of sufficient length to penetrate through the sheathing a minimum of 3/16". The panel clips were placed at a spacing listed of 48" on center. The female rib of panel is placed over the male/clip assembly and seamed 180°.
Maximum Design Pressure (Field):	-63.5 psf (see General Limitation #2).

**Perimeter and Corner
Conditions (1):**

Panels shall be secured along the male rib with approved two-piece clip (base and upper clip) with two corrosion resistant #14 pancake head fasteners of sufficient length to penetrate through the sheathing a minimum of $\frac{3}{16}$ ". The panel clips were placed at a spacing listed of 24" on center. The female rib of panel is placed over the male/clip assembly and seamed 180°.

**Maximum Design
Pressure (Perimeter
and Corner) (1):**

–71 psf (see General Limitation #2).

**Perimeter and Corner
Conditions (2):**

Panels shall be secured along the male rib with approved two-piece clip (base and upper clip) with two corrosion resistant #14 pancake head fasteners of sufficient length to penetrate through the sheathing a minimum of $\frac{3}{16}$ ". The panel clips were placed at a spacing listed of 6" on center. The female rib of panel is placed over the male/clip assembly and seamed 180°.

**Maximum Design
Pressure (Perimeter
and Corner) (2):**

–123.5 psf (see General Limitation #2).



LIMITATIONS

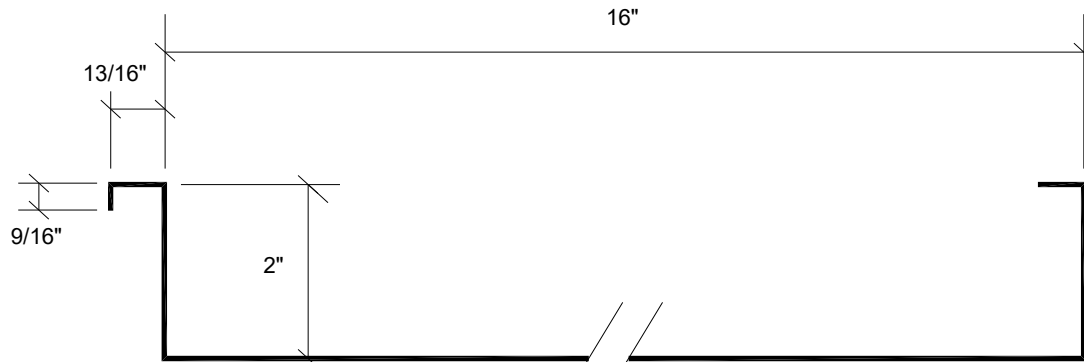
1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis,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



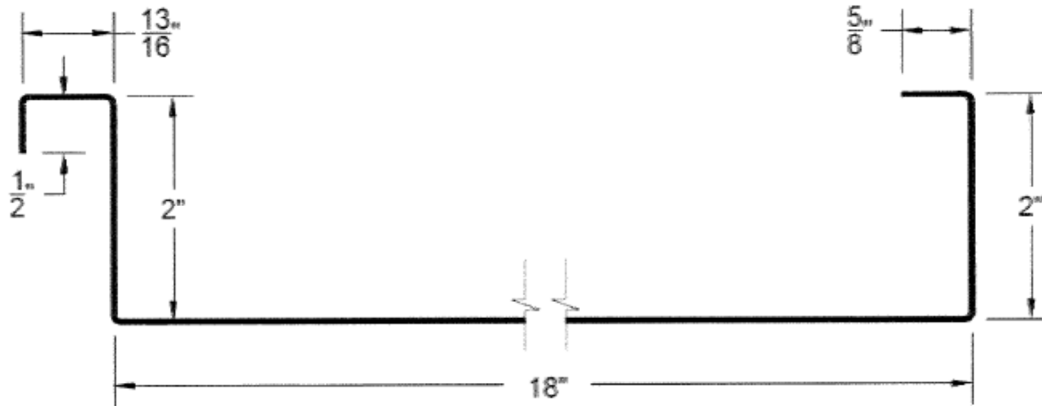
5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.
6. Panels may be shop or jobsite roll formed with machine model # **NTM-0360516, EPMPL-021902, SSQ-6810617 SSP-10751007** from PAC Contractors Association.



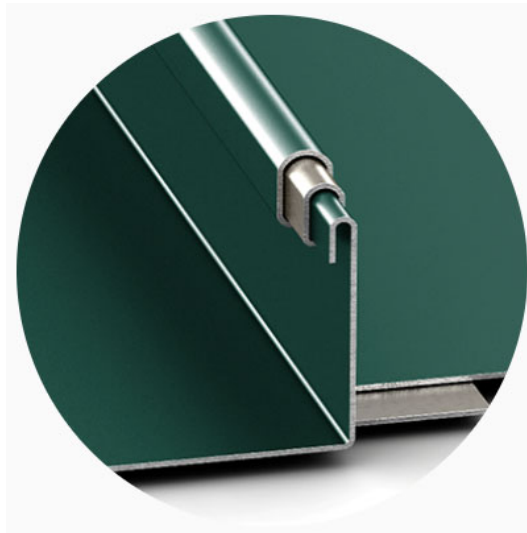
PROFILE DRAWINGS

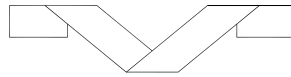
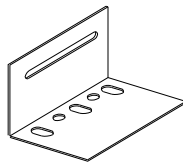


PAC-2400 – 24GA. (MIN.) STEEL PANEL (16" WIDE)

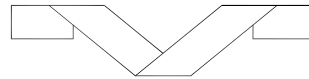
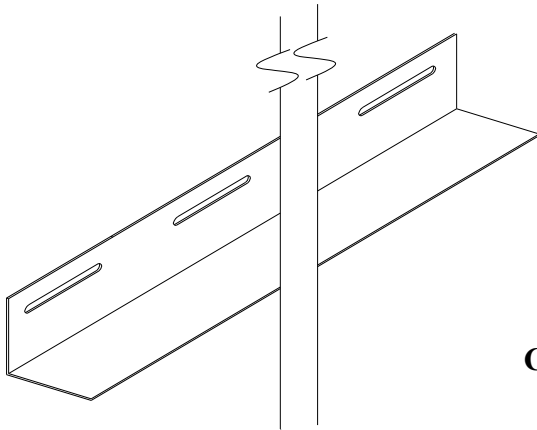


PAC-2400 – 24GA. (MIN.) STEEL PANEL (18" WIDE)

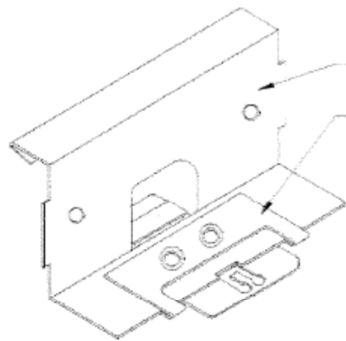




PANEL CLIP

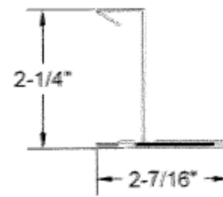
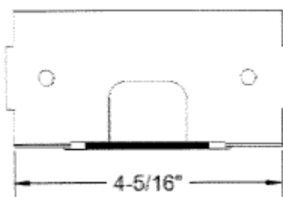


CONTINUOUS CLIP



22 GA GALVANIZED TAB

18 GA GALVANIZED BASE



TWO-PIECE CLIP

**CLIP RELIEFS, STIFFENING RIBS
AND/OR STRIATIONS ARE OPTIONAL**

END OF THIS ACCEPTANCE