



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
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www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

BLACHOTRAPEZ SP. Z O.O

ul. Kilinskiego 49a
34-700 Rabka-Zdroj
Zabornia, Poland

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: Estima & Tremblant/German Simetric Roof Panels

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 14.

The submitted documentation was reviewed by Alex Tigera.

08/15/24



NOA No.: 23-1221.03
Expiration Date: 08/15/29
Approval Date: 08/15/24
Page 1 of 14

ROOFING SYSTEM APPROVAL:

Category: Roofing
Sub-Category: Metal, Panels
Material: Steel
Deck Type: Wood
Maximum Design Pressure: -198.5 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Estima	46.89" x 27.56" 45.5" x 27.56" (installed coverage) Thickness 26 ga. Min Yield Strength: 51ksi	TAS 125	Non-structural, preformed, through fastened steel roofing panels.
German Simetric (Tremblant)	47.24 x 27.56" 45.04" x 27.56" (installed coverage) Thickness 26 ga. Min. Yield Strength: 49 ksi	TAS 125	Non-structural, preformed, through fastened steel roofing panels.

MANUFACTURING LOCATION

- Bochnia, Rabka – Zdroj, Warszawa, Poland

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Construction Materials Technologies, LLC	2307T0002	TAS 100	06/18/21
	2307T0003	ASTM B 117	06/18/21
	2307T0004	ASTM G 155	05/05/21
	2307T0006	TAS 125 / UL 1897/ UL 580	10/18/23
	2307T0007	TAS 125 / UL 1897/ UL 580	10/18/23
	2307T0010	TAS 125 / UL 1897/ UL 580	06/20/23
	2307T0011.1	TAS 125 / UL 1897/ UL 580	06/20/23
	2307T0012	TAS 100	06/20/23
	2307T0023	ASTM B 117	09/27/23
	2307T0024	ASTM G 155	09/27/23



APPROVED ASSEMBLIES:

System 1:	Estima Roof Panels
Deck Type:	Wood, Non-insulated
Deck Description:	New Construction ¹⁹ / ₃₂ " or greater plywood or wood plank, or Re-roof ¹⁵ / ₃₂ " or greater plywood or wood plank with span rating of 32/16, CDX, 4-ply.
Slope Range:	2:12 or greater
Maximum Uplift Pressure:	See Fastening Options Below

Deck Attachment:	In accordance with Applicable Building Code, but in no case shall it be less than 0.113" x 2-3/8" long ring-shank nails spaced at a distance listed below under " Field Condition " or " Perimeter and Corner Condition " sections of this assembly. 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-laps and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 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 Miami-Dade County Product Control 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.
Eave:	26ga steel drip edge & 26ga. steel starter bracket are attached with 12 WoodZIP SCAMP – 5/16 CHWH 304SS, Hi-Lo threads and TP-17-point screws. The fasteners are installed through the starter bracket into the drip metal 8" o.c. in flange approximately 2" from the edge.
Valleys:	26ga. steel valley metal and 2" thick self-adhered foam closure attached with 12 WoodZIP SCAMP – 5/16 CHWH 304SS, Hi-Lo threads and TP-17-point screws. Fasteners installed 12" o.c. along the valley located 2" from the returns on each edge; 4.5" headlap installed in valley metal and sealed with 1/2" wide bead of ASTM C920 sealant; Self-adhered foam closure applied along each side of the valley, offset 3.5" from the centerline; Panels mitered to create a 4" open valley. Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with BLACHOTRAPEZ SP. Z O.O current published installation instructions.
Rake:	26ga steel inner gable and outer gable attached with #12 WoodZIP SCAMP – 5/16 CHWH 304SS, Hi-Lo threads and TP-17-point screws. Fasteners installed 12" o.c. along the inner gable; Panels cut to leave a 1" gap between edge panel and vertical leg of inner gable. Fasteners installed 12" o.c. through horizontal and vertical legs of outer gable
Metal Panels and Accessories:	Install the panel and accessories in compliance with BLACHOTRAPEZ SP. Z O.O. current, published installation instructions and details. Flashings, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in Roofing Application Standard RAS 133.

Field Condition:

Deck Attachment: Plywood deck shall be attached to supports using 0.113" x 2-3/8" ring shank nails spaced 6" o.c. along the perimeter and intermediate supports.

Panel Attachment: Each panel is attached using #12 x 1.5" WoodZIP screws fastened in **two (2) rows of 8 fasteners**, placed on each side of panel rib, 3" apart, beneath the step or headlap. Fastener rows are spaced 13-3/4" o.c. for a total of "**16 fasteners per panel**".

Panels were stitched at the side lap in the vertical leg using 1/4"-14 x 7/8" SteelZIP stitch screws. Panels were stitched 11-3/8" o.c. along the vertical leg of the headlap in the center of the pan with 1/4"-14 x 7/8" SteelZIP stitch screws.

Maximum Design Pressure for Field Condition:

-104.75 psf.

Perimeter and Corner Condition:

Deck Attachment: Plywood deck shall be attached to supports using 0.113" x 2-3/8" ring shank nails spaced 3" o.c. along the perimeter and intermediate supports.

Panel Attachment: Each panel is attached using #12 x 1.5" WoodZIP screws fastened in **two (2) rows of 12 fasteners**, placed on each side of panel rib, 3" apart, and in the center of the pan beneath the step or headlap. Fastener rows are spaced 13-3/4" o.c. for a total of "**24 fasteners per panel**".

Panels were stitched at the side lap in the vertical leg using 1/4"-14 x 7/8" SteelZIP stitch screws. Panels were stitched 5-5/8" o.c. along the vertical leg of the headlap in the center of the pan and at the rib with 1/4"-14 x 7/8" SteelZIP stitch screws.

Maximum Design Pressure for Perimeter and Corner Condition:

-191 psf.



System 2:	Estima Roof Panels
Deck Type:	Wood, Non-insulated
Deck Description:	New Construction ¹⁹ / ₃₂ " or greater plywood or wood plank with span rating of 32/16, CDX, 4-ply.
Slope Range:	2:12 or greater
Maximum Uplift Pressure:	See Fastening Options Below

Deck Attachment: In accordance with Applicable Building Code, but in no case shall it be less than 0.113" x 2-3/8" long ring-shank nails spaced at a distance listed below under "**Field Condition**" or "**Perimeter and Corner Condition**" sections of this assembly.

Underlayment: Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 4" side-laps and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 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. At the valley, the underlayment was woven by extending 12" past valley centerline. Or, any Miami-Dade County Product Control 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.

Eave: 26ga steel drip edge & 26ga. steel starter bracket are attached with 12 WoodZIP SCAMP – 5/16 CHWH 304SS, Hi-Lo threads and TP-17-point screws. The fasteners are installed through the starter bracket into the drip metal 8" o.c. in flange approximately 2" from the edge.

Valleys: 26ga. steel valley metal and 2" thick self-adhered foam closure attached with 12 WoodZIP SCAMP – 5/16 CHWH 304SS, Hi-Lo threads and TP-17-point screws. Fasteners installed 12" o.c. along the valley located 2" from the returns on each edge; 4.5" headlap installed in valley metal and sealed with 1/2" wide bead of ASTM C920 sealant; Self-adhered foam closure applied along each side of the valley, offset 3.5" from the centerline; Panels mitered to create a 4" open valley. Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with BLACHOTRAPEZ SP. Z O.O current published installation instructions.

Rake: 26ga steel inner gable and outer gable attached with #12 WoodZIP SCAMP – 5/16 CHWH 304SS, Hi-Lo threads and TP-17-point screws. Fasteners installed 12" o.c. along the inner gable; Panels cut to leave a 1" gap between edge panel and vertical leg of inner gable. Fasteners installed 12" o.c. through horizontal and vertical legs of outer gable

Metal Panels and Accessories: Install the panel and accessories in compliance with BLACHOTRAPEZ SP. Z O.O current, published installation instructions and details. Flashings, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in Roofing Application Standard RAS 133.



Field Condition:

Deck Attachment: Plywood deck shall be attached to supports using 0.113" x 2-3/8" ring shank nails spaced 6" o.c. along the perimeter and intermediate supports.

Panel Attachment: Each panel is attached using #12 x 1.5" WoodZIP screws fastened in "two (2) rows of 8 fasteners", placed on each side of panel rib, 3" apart, beneath the step or headlap. Fastener rows are spaced 13-3/4" o.c. for a total of "16 fasteners" per panel.

Panels were stitched at the side lap in the vertical leg using 1/4"-14 x 7/8" SteelZIP stitch screws. Panels were stitched 11-3/8" o.c. along the vertical leg of the headlap in the center of the pan with 1/4"-14 x 7/8" SteelZIP stitch screws.

Maximum Design Pressure for Field Condition:

-86 psf.

Perimeter and Corner Condition:

Deck Attachment: Plywood deck shall be attached to supports using 0.113" x 2-3/8" ring shank nails spaced 3" o.c. along the perimeter and intermediate supports.

Panel Attachment: Each panel is attached using #12 x 1.5" WoodZIP screws fastened in "two (2) rows of 12 fasteners", placed on each side of panel rib, 3" apart, and in the center of the pan beneath the step or headlap. Fastener rows are spaced 13-3/4" o.c. for a total of 24 fasteners per panel.

Panels were stitched at the side lap in the vertical leg using 1/4"-14 x 7/8" SteelZIP stitch screws. Panels were stitched 5-5/8" o.c. along the vertical leg of the headlap in the center of the pan and at the rib with 1/4"-14 x 7/8" SteelZIP stitch screws.

Maximum Design Pressure for Perimeter and Corner Condition:

-161 psf.



System 3:	Tremblant/German Simetric Roof Panels
Deck Type:	Wood, Non-insulated
Deck Description:	New Construction ¹⁹ / ₃₂ " or greater plywood or wood plank, or Re-roof ¹⁵ / ₃₂ " or greater plywood or wood plank with span rating of 32/16, CDX, 4-ply.
Slope Range:	2:12 or greater
Maximum Uplift Pressure:	See Fastening Options Below

Deck Attachment:	In accordance with Applicable Building Code, but in no case shall it be less than 0.113" x 2-3/8" long ring-shank nails spaced at a distance listed below under " Field Condition " or " Perimeter and Corner Condition " sections of this assembly. 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-laps and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 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 Miami-Dade County Product Control 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.
Eave:	26ga perforated starter bracket are attached with WFD-4.8x35 fasteners (2-3/8" long). Fasteners installed at 12" o.c. Perforated starter bracket installed atop the drip metal.
Drip:	26ga preformed, painted drip metal, 4" vertical face, 5" flange attached with 12ga, 1-1/4" ring shank nails. Fasteners installed at 12" o.c. in flange approximately 2.5" from edge. Laps sealed with ASTM C920 sealant.
Valleys:	26ga panted valley metal with 1" side returns (22" wide) attached with WFD-4.8x35 fasteners (2-3/8in long). Fasteners installed at 12" o.c. located approximately 2" from side return edges. Fasteners installed 12" o.c. along the valley located 2" from the returns on each edge; Valley metal sealed to drip metal using two (2) 1/2in beads of ASTM C920 sealant. Valley metal included a lap; 8" lap sealed using two (2) 1/2" beads of ASTM C920 sealant. Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with BLACHOTRAPEZ SP. Z O.O current published installation instructions.
Rake:	26ga preformed, painted outer gable attached with # WFD-4.8x35 fasteners (2-3/8in long). Fasteners installed at 10" o.c. in vertical face and 26" o.c. into panel ribs. Panels cut flush with the edge of the deck; outer gable placed atop the panel and fastened in place.
Metal Panels and Accessories:	Install the panel and accessories in compliance with BLACHOTRAPEZ SP. Z O.O. current, published installation instructions and details. Flashings, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in Roofing Application Standard RAS 133.



Field Condition:

Deck Attachment: Plywood deck shall be attached to supports using 0.113” x 2-3/8” ring shank nails spaced 6” o.c. along the perimeter and intermediate supports.

Panel Attachment: Each panel is attached using #12 x 1.5" WoodZIP screws fastened in **two (2) rows of 6 fasteners** in the center of the pan beneath the step or headlap. Fastener rows are spaced 13-3/4" o.c. for a total of “**12 fasteners per panel**”.

Panels were stitched at the side lap in the vertical leg using 1/4"-14 x 7/8" SteelZIP stitch screws. Panels were stitched 7-1/2" o.c. along the vertical leg of the headlap with 1/4"-14 x 7/8" SteelZIP stitch screws.

Maximum Design Pressure for Field Condition:

-86 psf.

Perimeter and Corner Condition:

Deck Attachment: Plywood deck shall be attached to supports using 0.113” x 2-3/8” ring shank nails spaced 3” o.c. along the perimeter and intermediate supports.

Panel Attachment: Each panel is attached using #12 x 1.5" WoodZIP screws fastened in “**two (2) rows of 12 fasteners**” placed in pairs, 2" apart, in the center of the pan beneath the step or headlap. Fastener rows are spaced 13-3/4" o.c. for a total of “**24 fasteners per panel**”.

Panels were stitched at the side lap in the vertical leg using 1/4"-14 x 7/8" SteelZIP stitch screws. Panels were stitched 3-3/4" o.c. along the vertical leg of the headlap with 1/4"-14 x 7/8" SteelZIP stitch screws.

Maximum Design Pressure for Perimeter and Corner Condition:

-198.5 psf.



System 4:	Tremblant/German Simetric Roof Panels
Deck Type:	Wood, Non-insulated
Deck Description:	New Construction ¹⁹ / ₃₂ " or greater plywood or wood plank with span rating of 32/16, CDX, 4-ply.
Slope Range:	2:12 or greater
Maximum Uplift Pressure:	See Fastening Options Below

Deck Attachment:	In accordance with Applicable Building Code, but in no case shall it be less than 0.113" x 2-3/8" long ring-shank nails spaced at a distance listed below " Field Condition " or " Perimeter and Corner Condition " sections of this assembly.
Underlayment:	Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 4" side-laps and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 1¼" 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 Miami-Dade County Product Control 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.
Eave:	26ga perforated starter bracket are attached with WFD-4.8x35 fasteners (2-3/8" long). Fasteners installed at 12" o.c. Perforated starter bracket installed atop the drip metal.
Drip:	26ga preformed, painted drip metal, 4" vertical face, 5" flange attached with 12ga, 1-1/4" ring shank nails. Fasteners installed at 12" o.c. in flange approximately 2.5" from edge. Laps sealed with ASTM C920 sealant.
Valleys:	26ga panted valley metal with 1" side returns (22" wide) attached with WFD-4.8x35 fasteners (2-3/8in long). Fasteners installed at 12" o.c. located approximately 2" from side return edges. Fasteners installed 12" o.c. along the valley located 2" from the returns on each edge; Valley metal sealed to drip metal using two (2) 1/2in beads of ASTM C920 sealant. Valley metal included a lap; 8" lap sealed using two (2) ½" beads of ASTM C920 sealant. Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with BLACHOTRAPEZ SP. Z O.O current published installation instructions.
Rake:	26ga preformed, painted outer gable attached with # WFD-4.8x35 fasteners (2-3/8in long). Fasteners installed at 10" o.c. in vertical face and 26" o.c. into panel ribs. Panels cut flush with the edge of the deck; outer gable placed atop the panel and fastened in place.
Metal Panels and Accessories:	Install the panel and accessories in compliance with BLACHOTRAPEZ SP. Z O.O. current, published installation instructions and details. Flashings, penetrations, valley construction and other details shall be constructed in compliance with the minimum requirements provided in Roofing Application Standard RAS 133.



Field Condition:

Deck Attachment: Plywood deck shall be attached to supports using 0.113" x 2-3/8" ring shank nails spaced 6" o.c. along the perimeter and intermediate supports.

Panel Attachment: Each panel is attached using #12 x 1.5" WoodZIP screws fastened in **two (2) rows of 6 fasteners** in the center of the pan beneath the step or headlap. Fastener rows are spaced 13-3/4" o.c. for a total of "**12 fasteners per panel**".

Panels were stitched at the side lap in the vertical leg using 1/4"-14 x 7/8" SteelZIP stitch screws. Panels were stitched 7-1/2" o.c. along the vertical leg of the headlap with 1/4"-14 x 7/8" SteelZIP stitch screws.

Maximum Design Pressure for Field Condition:

-101 psf.

Perimeter and Corner Condition:

Deck Attachment: Plywood deck shall be attached to supports using 0.113" x 2-3/8" ring shank nails spaced 3" o.c. along the perimeter and intermediate supports.

Panel Attachment: Each panel is attached using #12 x 1.5" WoodZIP screws fastened in **two (2) rows of 12 fasteners**, placed on each side of panel rib, 3" apart, and in the center of the pan beneath the step or headlap. Fastener rows are spaced 13-3/4" o.c. for a total of "**24 fasteners per panel**".

Panels were stitched at the side lap in the vertical leg using 1/4"-14 x 7/8" SteelZIP stitch screws. Panels were stitched 5-5/8" o.c. along the vertical leg of the headlap in the center of the pan and at the rib with 1/4"-14 x 7/8" SteelZIP stitch screws.

Maximum Design Pressure for Perimeter and Corner Condition:

-168.5 psf.



LIMITATIONS:

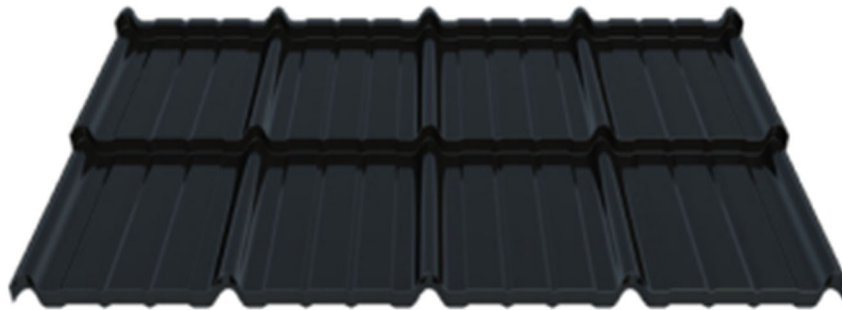
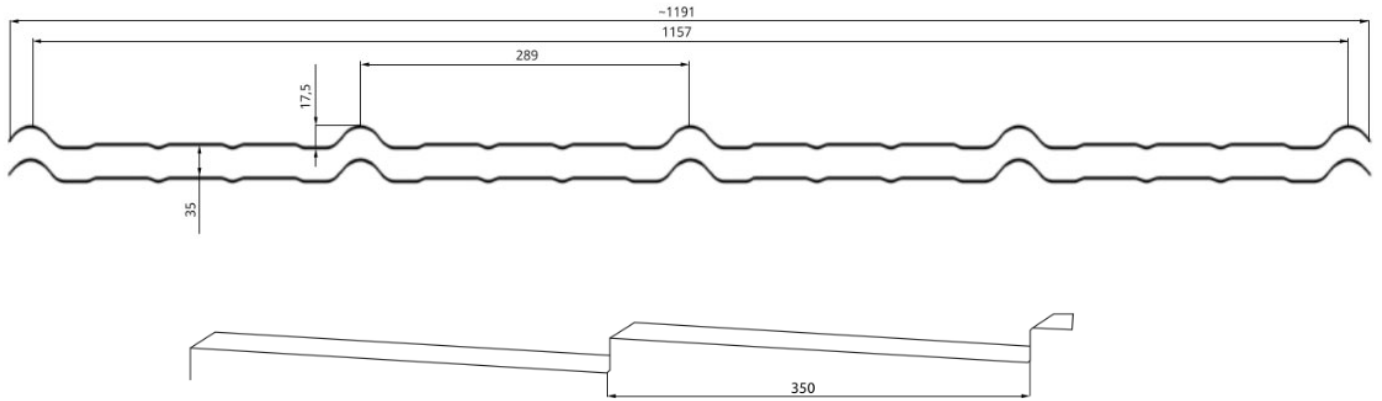
1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
3. All panels shall be permanently labeled with the manufacturer’s name and/or logo, city and state of manufacturing facility, and the following statement: “Miami-Dade County Product Control Approved” **or** with the Miami-Dade County Product Control Seal as seen below.



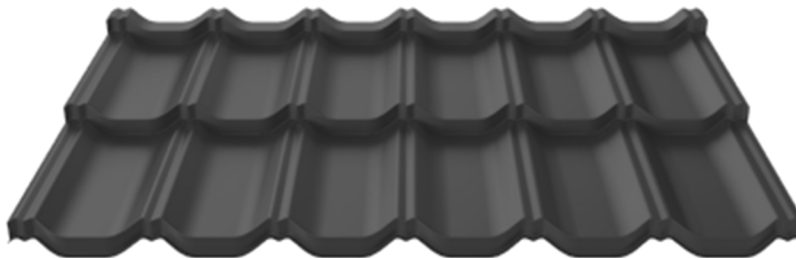
4. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.



PROFILE DRAWINGS:



ESTIMA



TREMBLANT/GERMAN SIMETRIC



FASTENING PATTERNS:

ESTIMA PANEL FASTENING PATTERNS



26GA. STEEL ESTIMA 16 FASTENERS/PANEL



26GA. STEEL ESTIMA 24 FASTENERS/PANEL



STARTER BRACKET



TREMBLANT/GERMAN SIMETRIC PANEL FASTENING PATTERNS



26GA. STEEL TREMBLANT/GERMAN SIMETRIC - 12 FASTENERS/PANEL



26GA. STEEL TREMBLANT/GERMAN SIMETRIC - 24 FASTENERS/PANEL

END OF THIS ACCEPTANCE