

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

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

NOTICE OF ACCEPTANCE (NOA)

Holcim Solutions and Products US, LLC 26 Century Blvd. Suite 205 Nashville, TN 37214

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.

DESCRIPTION: Series 1000 Aluminum Wall Panel System

APPROVAL DOCUMENT: Drawings No. **NPD2007-006001, 006201-006202, 006401-006406** and **006**, titled "Series 1000", sheets 1 through 24 of 24, dated 02/20/2024, prepared by Holcim Solutions and Products US, LLC, signed and sealed by Robert Nieminen, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

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 # 19-0815.01** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.

MIAMI-DADE COUNTY
APPROVED

NOA No. 23-0613.42 Expiration Date: March 3, 2025 Approval Date: March 28, 2024

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS "Submitted under NOA # 15-0114.07"

1. Drawings No. NPD2007-006001, 006201-006202, 006401-006406 and 006, titled "Series 1000", sheets 1 through 24 of 24, dated 02/05/2015, prepared by Firestone Building Products Company, LLC, signed and sealed by Robert Nieminen, P.E.

B. TESTS "Submitted under NOA # 09-1014.13"

- 1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 5) Tensile Test per ASTM E8-04

along with marked-up drawings and installation diagram of Series 1000 Aluminum Composite Panels, prepared by Architectural Testing, Inc, Test Report No. **77172.02-201-18**, dated 08/31/2009, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS "Submitted under NOA # 15-0114.07"

1. Load attachment analysis prepared by Trinity ERD, dated 03/16/2015, signed and sealed by Robert Nieminen, P.E.

"Submitted under NOA # 09-1014.13"

2. Panel calculations, prepared by Rice Engineering, dated 08/12/2009, signed and sealed by L. David Rice, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 6th edition (2017) FBC interest issued by Nemo/etc., LLC, dated 02/21/2020, signed and sealed by Robert Nieminen, P.E.

"Submitted under NOA # 15-0114.07"

- 2. Statement letter of code conformance to 2010 and 5th edition (2014) FBC and of no financial interest issued by Trinity ERD, dated 03/16/2015, signed and sealed by Robert Nieminen, P.E.
- 3. State of Minnesota certificate of merger effective on 12/22/2010.
- **4.** State of Indiana certificate of organization effective on 08/08/2006.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0613.42
Expiration Date: March 3, 2025
Approval Date: March 28, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawings No. NPD2007-006001, 006201-006202, 006401-006406 and 006, titled "Series 1000", sheets 1 through 24 of 24, dated 02/20/2024, prepared by Holcim Solutions and Products US, LLC, signed and sealed by Robert Nieminen, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

- 1. Statement letter of code conformance to 7th edition (2020) of the FBC, issued by Nemo/etc., LLC, dated 11/02/2023, signed and sealed by Robert Nieminen, P.E.
- 2. Letter from Holcim Solutions and Products US, LLC stating that they have legally purchased all assets and requesting that a new NOA be issued under their name, dated 06/07/2023, signed by Bob Griffiths.
- 3. Letter from Firestone Building Products Company, LLC, stating the following: a) They sold all its assets such as all the necessary machinery, equipment and know-how used in the fabrication of the product to Holcim Solutions and Products US, LLC, b) They no longer manufacturer the product approved under the referenced NOA, c) Giving up all rights to the referenced NOA, and d) Requesting that the existing NOA be rescinded.
- 4. State of Indiana Certificate of Amendment from Firestone Building Products Company, LLC to Holcim Solutions and Products US, LLC, dated 10/03/2022, signed by Holli Sullivan, Secretary of State.

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 23-0613.42 Expiration Date: March 3, 2025

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SERIES 1000

UNA-FAB PANEL

BILL OF MATERIALS

PANEL COMPOSITION

- 1. (4MM) Aluminum Composite Panel
- 2a. (.125) Extruded Aluminum, Stiffener (6063-T6)
- 2b. Stiffener attachment, 983 WITH PRIMER
- 2c. (.125) Aluminum Formed Channel

PANEL FASTENING

3. (.125) Aluminum formed clip (3003-H14)

PANEL FASTENERS

- 4a. Clip to panel fastener, \emptyset 1/4" Alum. Body & Steel Mandral rivets. Qty. (2) Per clip or Qty. (2) #10-16 x 3/4" Self Drilling Fasteners per clip.
- 4b. Clip to subgrit Fastener, #10-16 x 1" Qty. (2) Per Clip where clips are 15" o.c. or Qty. (3) Per Clip where clips are 5" o.c.
- 4c. Framing fastener, #10-16 x 1-1/4"
- 4d. Subgrit to substrate, #14-14 x 1-1/2"

SUBGRIT

- 5. 14 Ga. (.075) Galv. Hat Channels, 7/8" Deep
- 5a. 8 Ga. (.164) Galv. Formed Subgirt
- 5b. 14 Ga. (.075) Galv. Formed Subgirt

ISOLATOR SHIMS & TAPE

- 6a. Standard glazing isolator shims as needed
- 6b. Dissimilar metals Separator Tape

SUBSTRATE

- 7a. 5/8" Gypsum board
- 7b. Valpro Shield underlayment
- 7c. Valpro Single sided perimeter / joint tape

STUD FRAMING

- 8a. Tracks, 1-1/2" x 6" 16 Ga. Galv.
- 8b. Studs, 1-1/2" x 6" 16 Ga. Galv.

FRAMING

9. 2" X 10" Yellow Pine

BACKER ROD

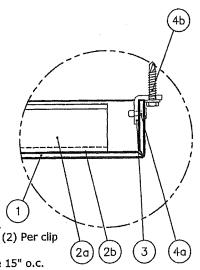
10. Rod, Ø5/8" Open cell neoprene

SEALANT

Horizontal and vertical joint sealant ,
 Dow corning #756 SMS building sealant

FLASHINGS

12. (.040) Aluminum Perimiter flashing



 It shall be the responsibility of the structural engineer of record to verify the structural integrity of the structure to support the loads superimposed by the panels.

The panels have been designed and tested in accordance with the 2007 Florida Building Code and the 2005 Aluminum Design Manual. They are tested in accordance with Miami-Dade County protocol TAS 301. The laboratory tests and test reports are TAS201, TAS202, & TAS203.

- All metal stud substrate shall be MIN. 16 Ga. Fy = 50 KSI.
- 4. All structural steel substrate shall be MIN. Fy = 36 KSI.
- 5. Panel Widths and Heights are limited as shown in elevations and details.
- Separation of dissimilar materials must be maintained per section 2003.8,4 of the FBC.
- This panel system has been tested, analyzed, and approved for design pressures not to exceed 120 PSF.
- Clip spacing may not be altered. Each clip and fastener used must be installed as detailed on the drawings.
- These panels have not been tested for wind driven rain test. Florida Building Code, TAS-100 (A)-95.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0613.42

Expiration Date 03/03/2025

By Huns

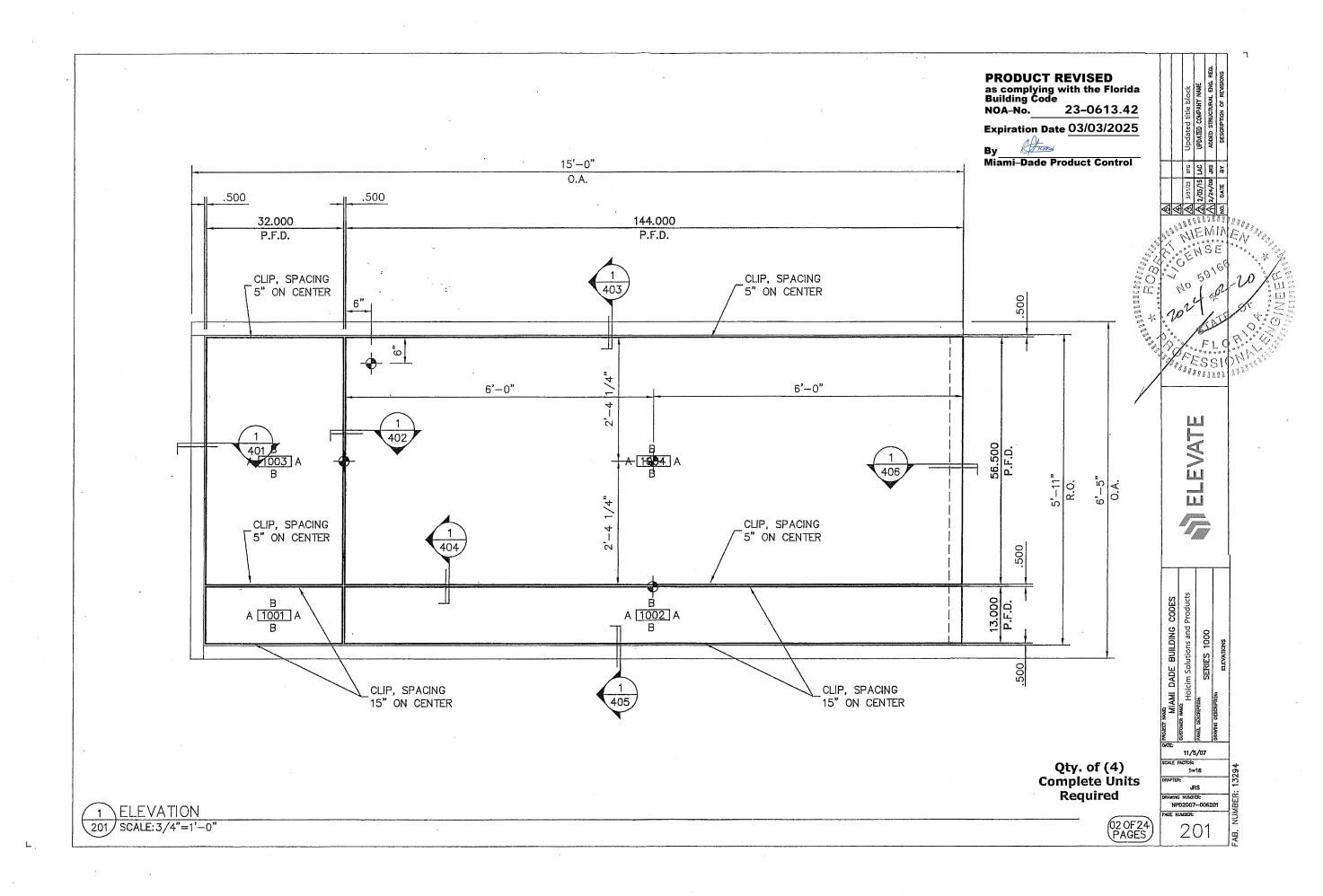
Miami-Dade Product Control

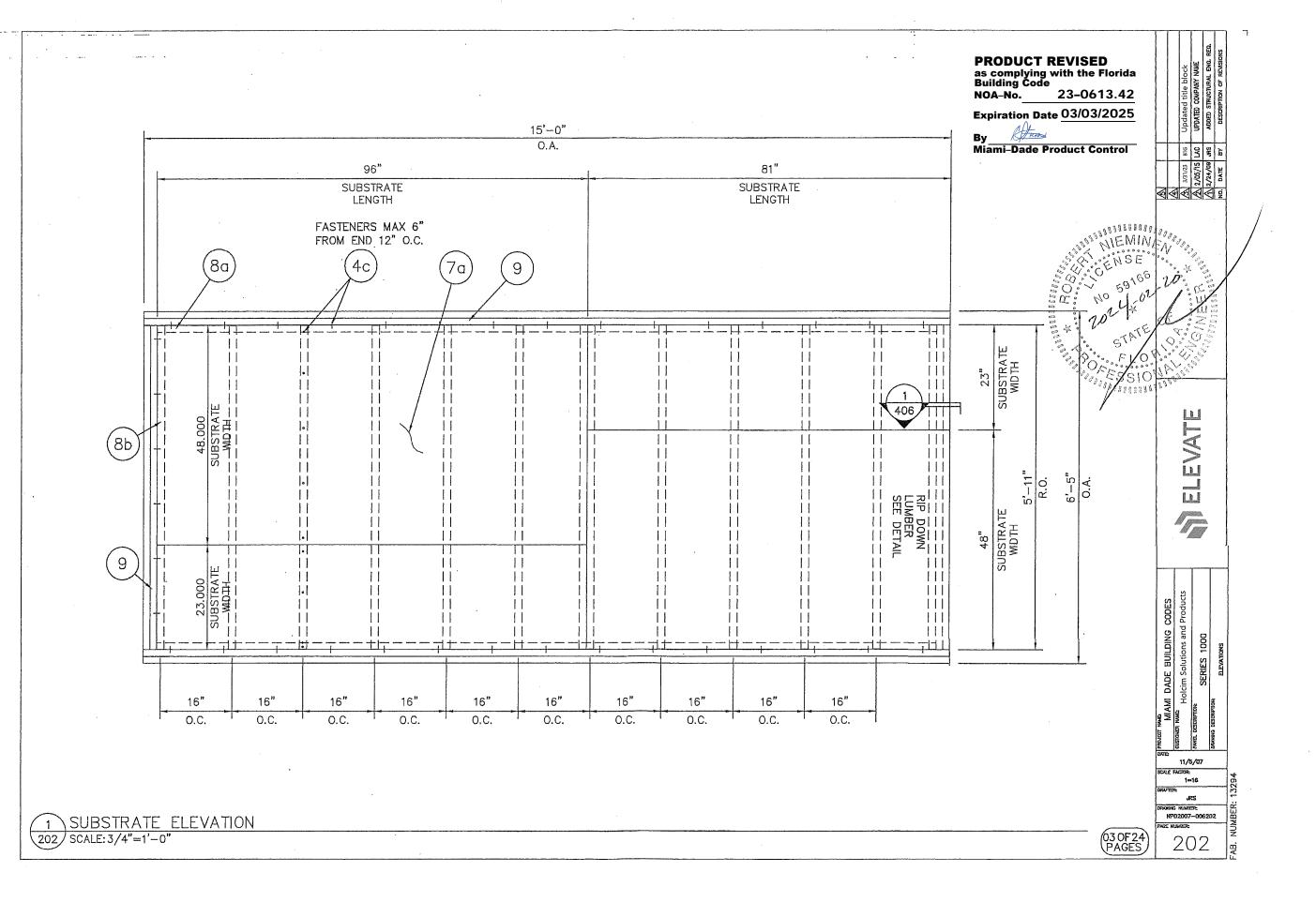
Maximum Design Pressure = +/- 120.0 psf
Maximum Panel Widths and Heights are limited as shown
in Elevations and Details.
Large and Small Missile Impact Resistant
Deflection Criteria: L/60

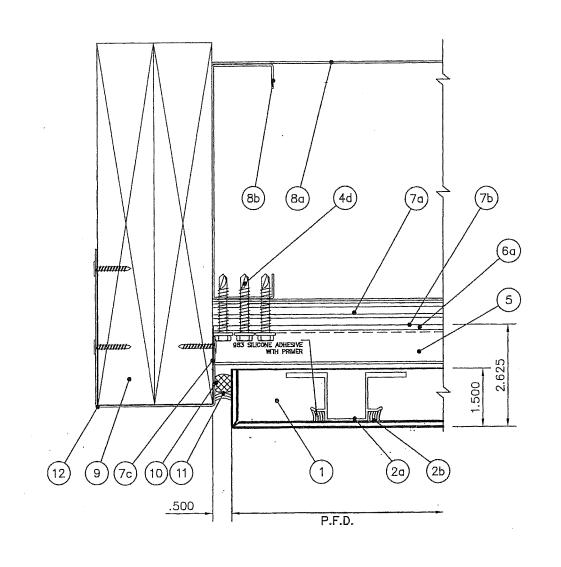
Qty. of (4) Complete Units Required ELEVATI

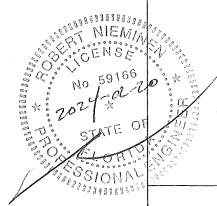
Cast Action Solutions and Products Holeim Solutions and Products H

010F24 PAGES JRS
ANNO HUMBER:
NPD2007-006001
DE NUMBER:









Expiration Date 03/03/2025

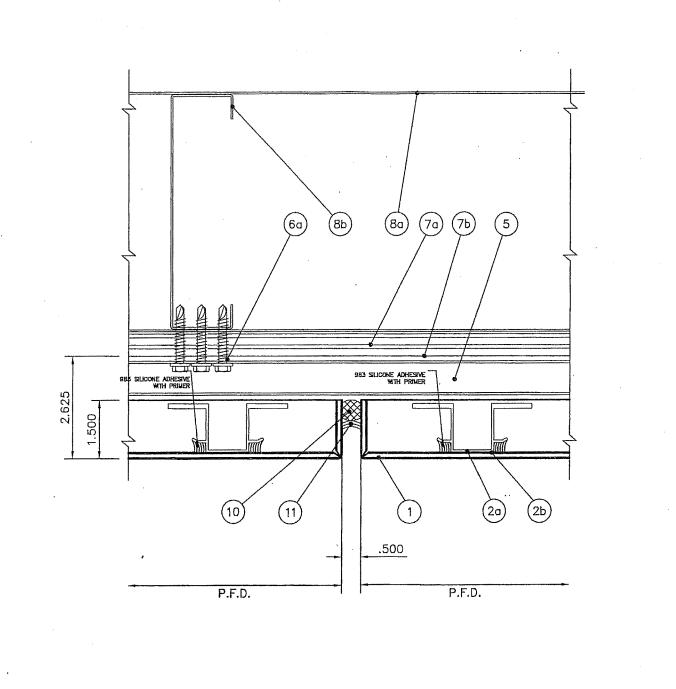
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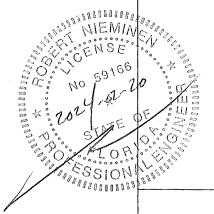
11/5/07
CALE FACTOR:
1=2 JRS

401

1 PANEL TERMINATION DETAIL 401 SCALE: 6"=1'-0"

04 OF 24 PAGES



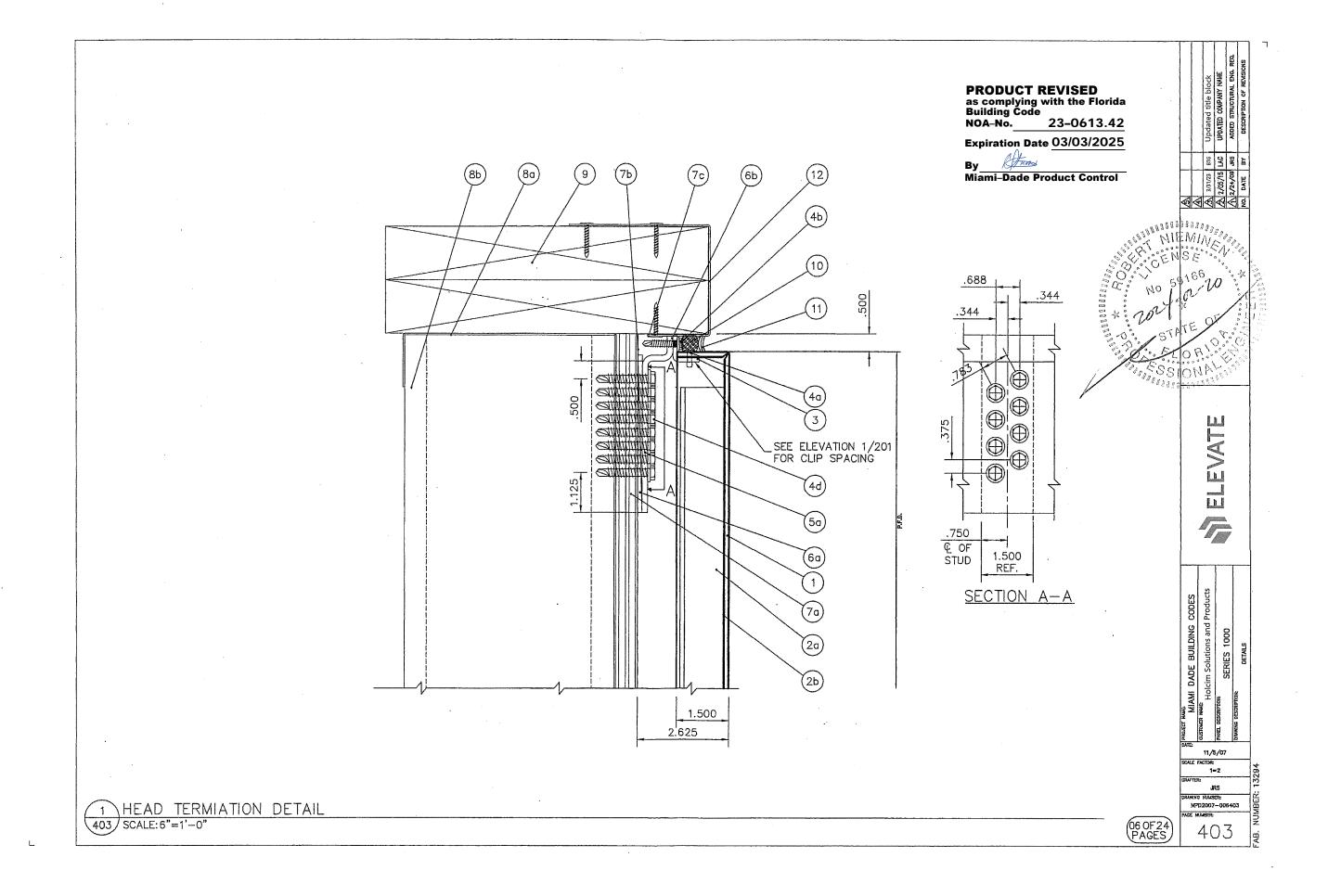


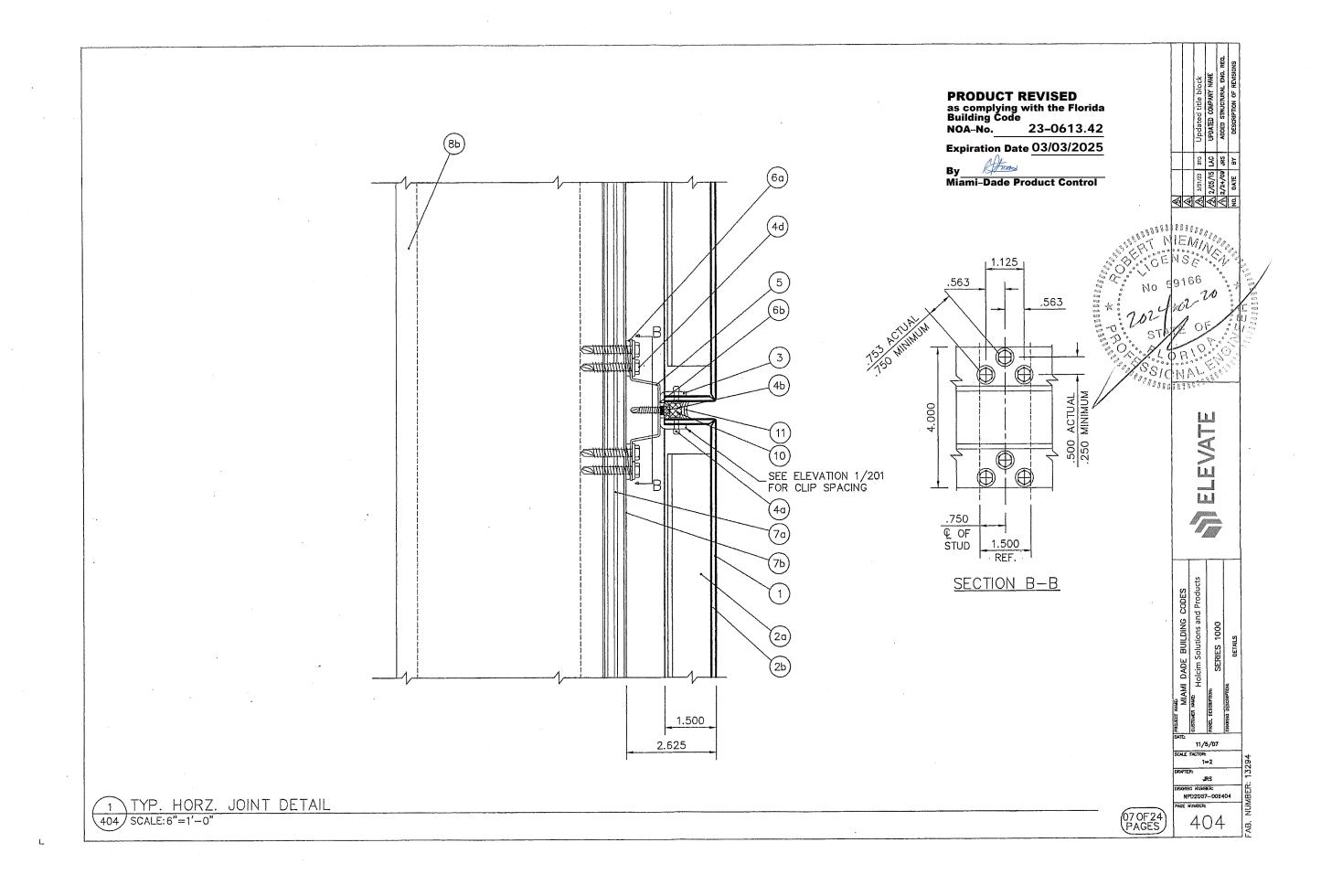
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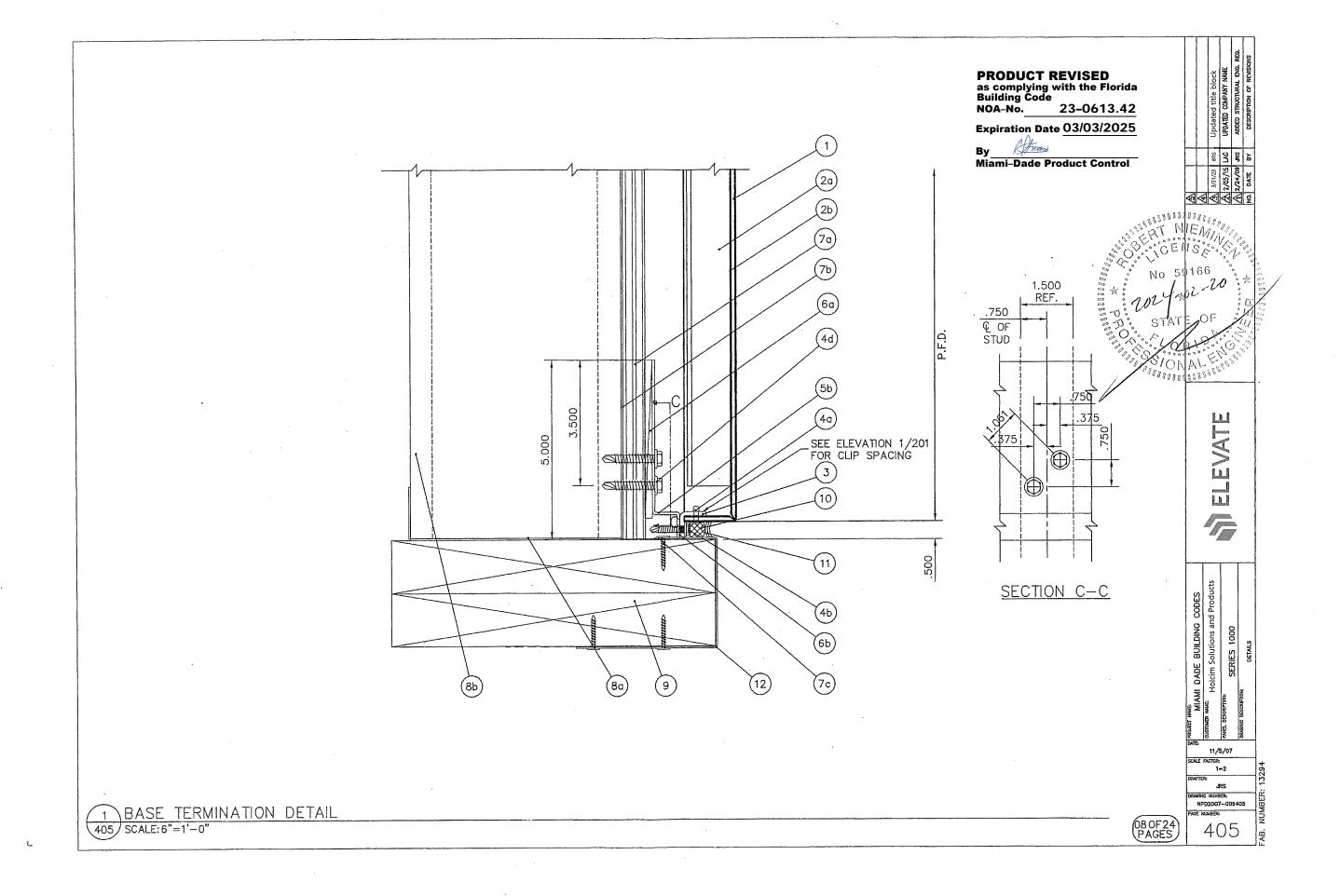
By Miami-Dade Product Control

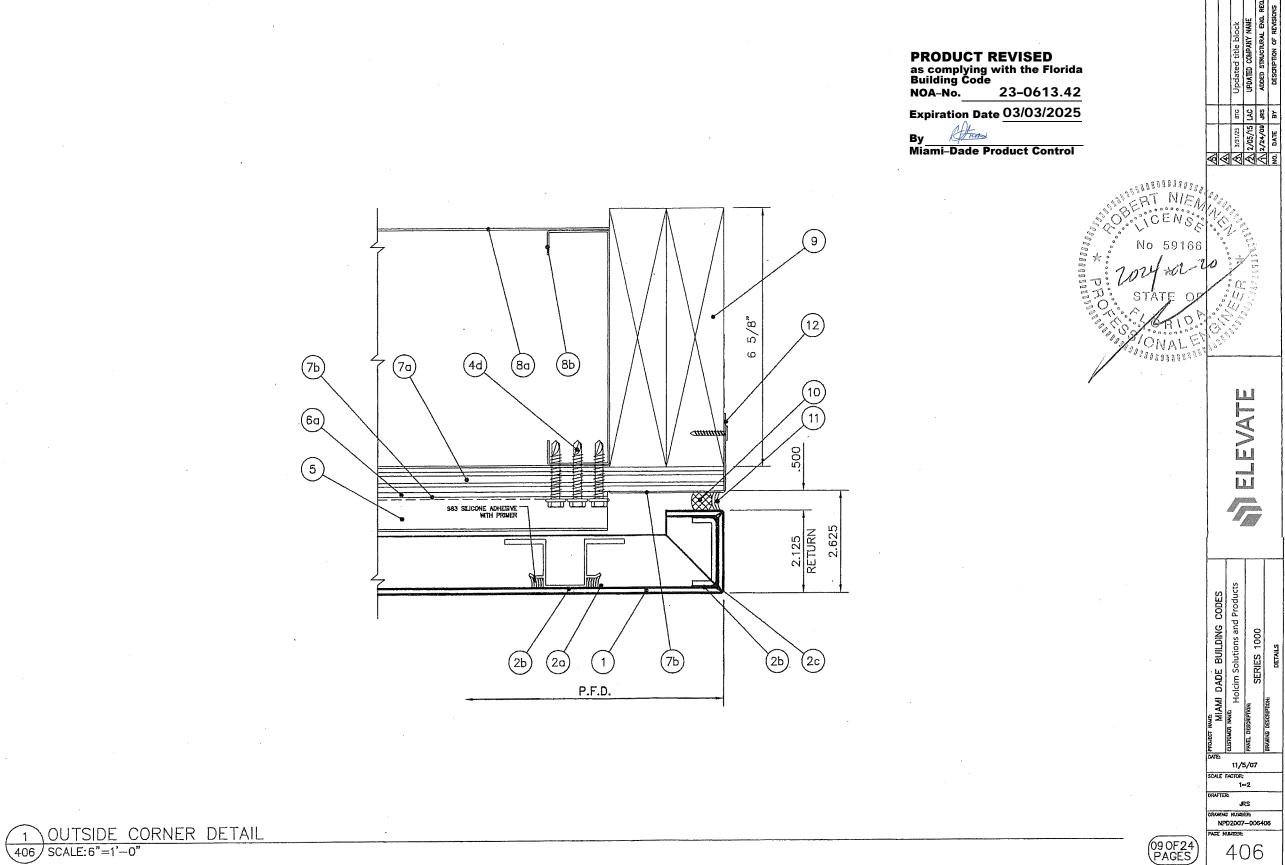
11/5/07 JRS DRAWING NAMER:
NPD2007—005402
PAGE HUMBER:

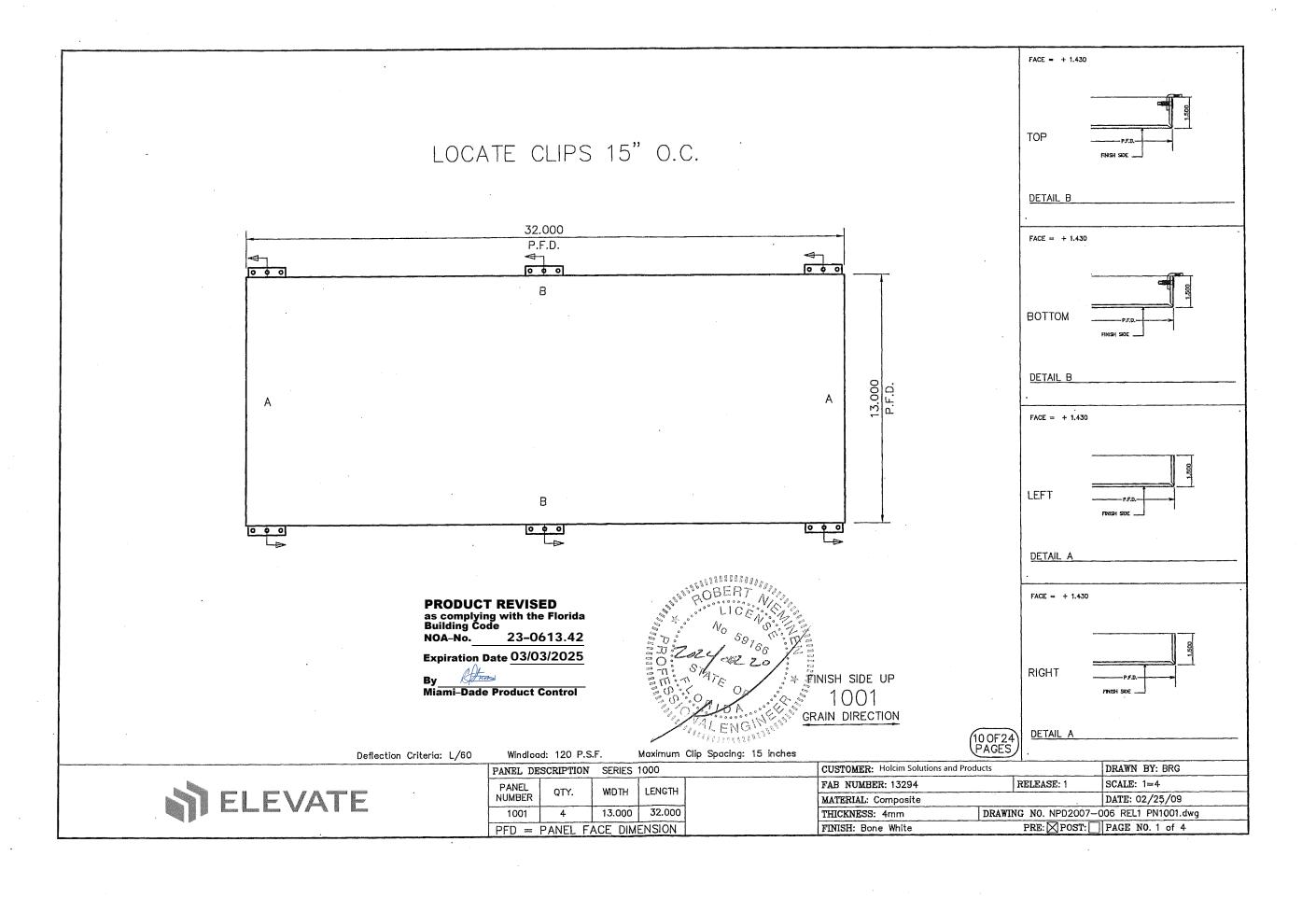
1 TYP. VERTICAL JOINT DETAIL 402 SCALE: 6"=1'-0"





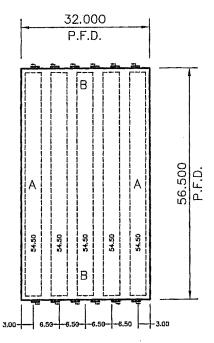






FACE = + 1.430 TOP LOCATE CLIPS 15" O.C. DETAIL B FACE = + 1.430 BOTTOM 144.000 P.F.D. В DETAIL B FACE = + 1.430 LEFT DETAIL A PRODUCT REVISED
as complying with the Florida
Building Code FACE = + 3.485 983 SILICONE ADHESIV NOA-No. 23-0613.42 Expiration Date 03/03/2025 Miami-Dade Product Control RIGHT FINISH SIDE UP GRAIN DIRECTION DETAIL C 110F24 PAGES Maximum Clip Spacing: 15 inches Windload: 120 P.S.F. Deflection Criteria: L/60 DRAWN BY: BRG CUSTOMER: Holcim Solutions and Products PANEL DESCRIPTION SERIES 1000 SCALE: 1=28 RELEASE: 1 FAB NUMBER: 13294 PANEL NUMBER LENGTH WIDTH DATE: 02/25/09 MATERIAL: Composite DRAWING NO. NPD2007-006 REL1 PN1002.dwg 13.000 144.000 THICKNESS: 4mm 1002 PRE: POST: PAGE NO. 2 of 4 FINISH: Bone White PFD = PANEL FACE DIMENSION

LOCATE CLIPS 5" O.C.



PRODUCT REVISED
as complying with the Florida
Building Code 23-0613.42 NOA-No.

Expiration Date 03/03/2025

Miami-Dade Product Control

FINISH SIDE UP GRAIN DIRECTION

TOP DETAIL B FACE = + 1.430 воттом DETAIL B FACE = + 1,430 LEFT DETAIL A FACE = + 1,430 RIGHT 12 OF 24 PAGES

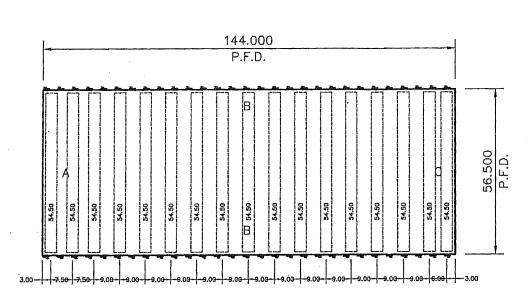
FACE = + 1.430

Deflection Criteria: L/60



Windlog	d: 120 P.S	.F.	Maximum Cii	p Spacing: 5 inches						
PANEL DE	SCRIPTION	SERIES	1000			CUSTOMER:	Holcim Solutions and Pr	roducts		DRAWN BY: BRG
PANEL OTY MOTH		WIDTH	LENGTH			FAB NUMBER: 13294 RELEASE: 1		SCALE: 1=20		
NUMBER OTY.	QII.	WIDIA	LENGIA			MATERIAL: Composite			DATE: 02/25/09	
1003	4	56.500	32.000			THICKNESS: 4mm DRAWING NO. NPD2007		7-006 REL1 PN1003.dwg		
PFD =	PANEL F	ACE DIMI	ENSION			FINISH: Bon	e White		PRE: POST:	PAGE NO. 3 of 4

LOCATE CLIPS 5" O.C.



PRODUCT REVISED as complying with the Florida Building Code NOA-No. 23-0613.42

Expiration Date 03/03/2025 By Miami-Dade Product Control



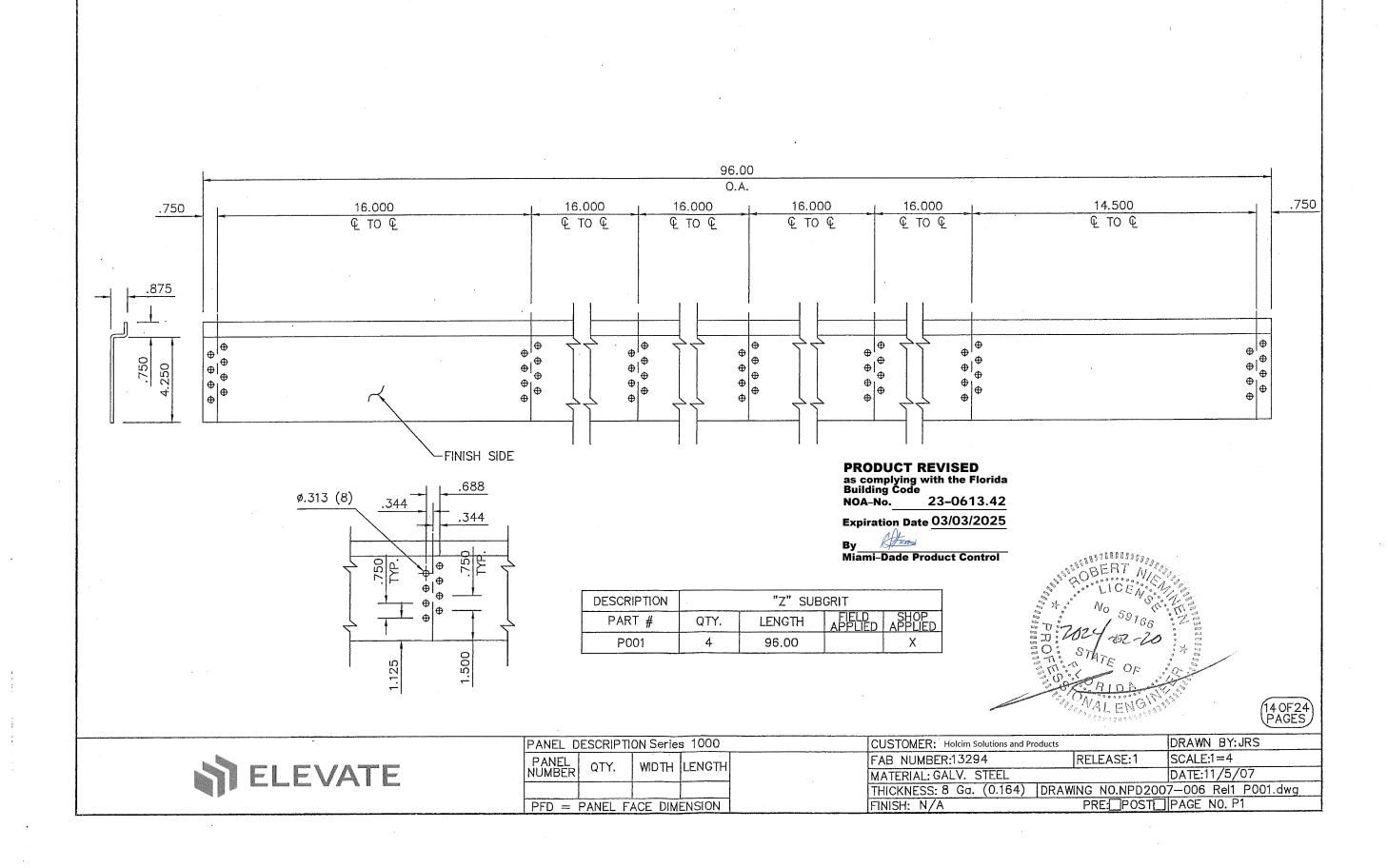
FINISH SIDE UP 1004 GRAIN DIRECTION

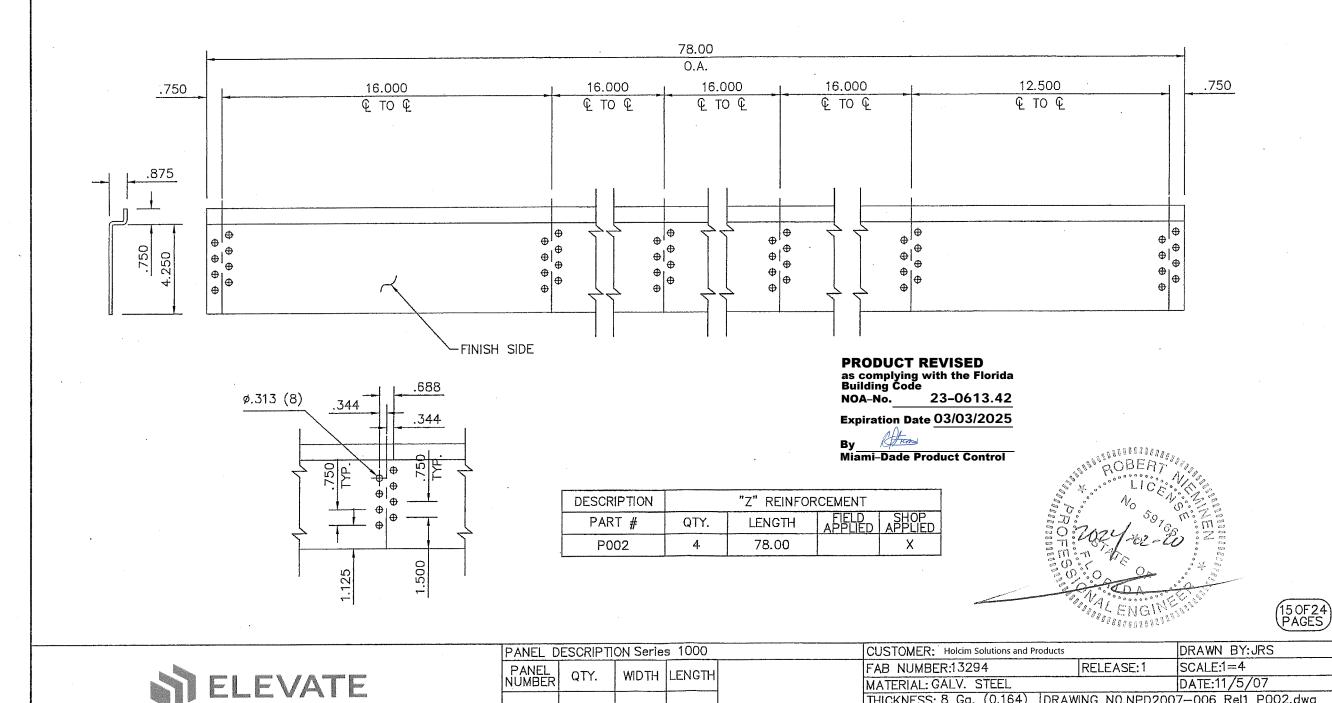
Deflection Criteria: L/60

Maximum Clip Spacing: 20 inches w/ 16ga metal substrate Windload: 120 P.S.F. CUSTOMER: Holcim Solutions and Products DRAWN BY: BRG PANEL DESCRIPTION SERIES 1000 FAB NUMBER: 13294 RELEASE: 1 SCALE: 1=28 WIDTH LENGTH QTY. NUMBER DATE: 02/25/09 MATERIAL: Composite 56.500 144.000 THICKNESS: 4mm DRAWING NO. NPD2007-006 REL1 PN1004.dwg PFD = PANEL FACE DIMENSION FINISH: Bone White PRE: POST: PAGE NO. 4 of 4



FACE = + 1.430 TOP DETAIL B **BOTTOM** DETAIL B FACE = + 1.430 LEFT DETAIL A **RIGHT** DETAIL C 130F24 PAGES



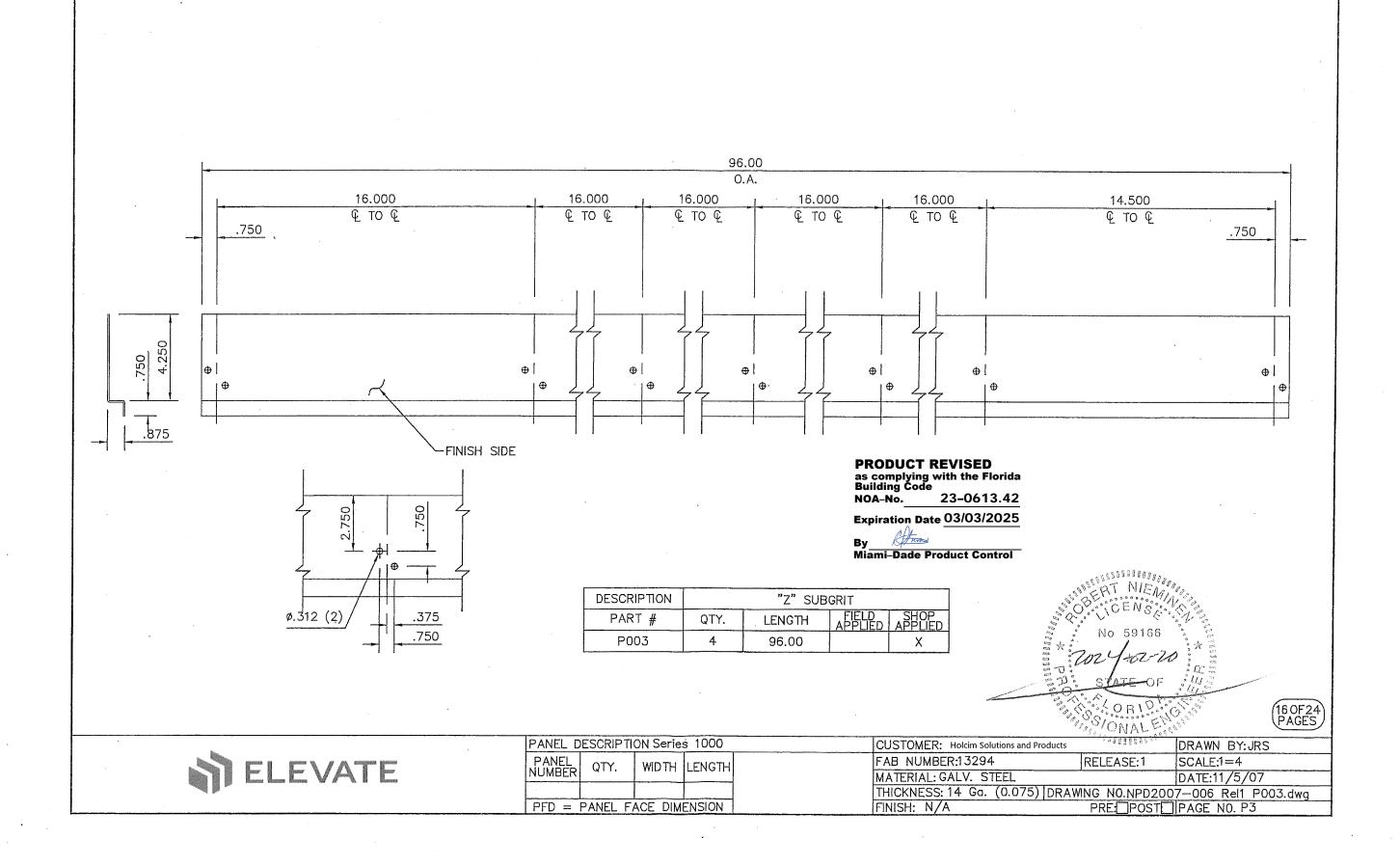


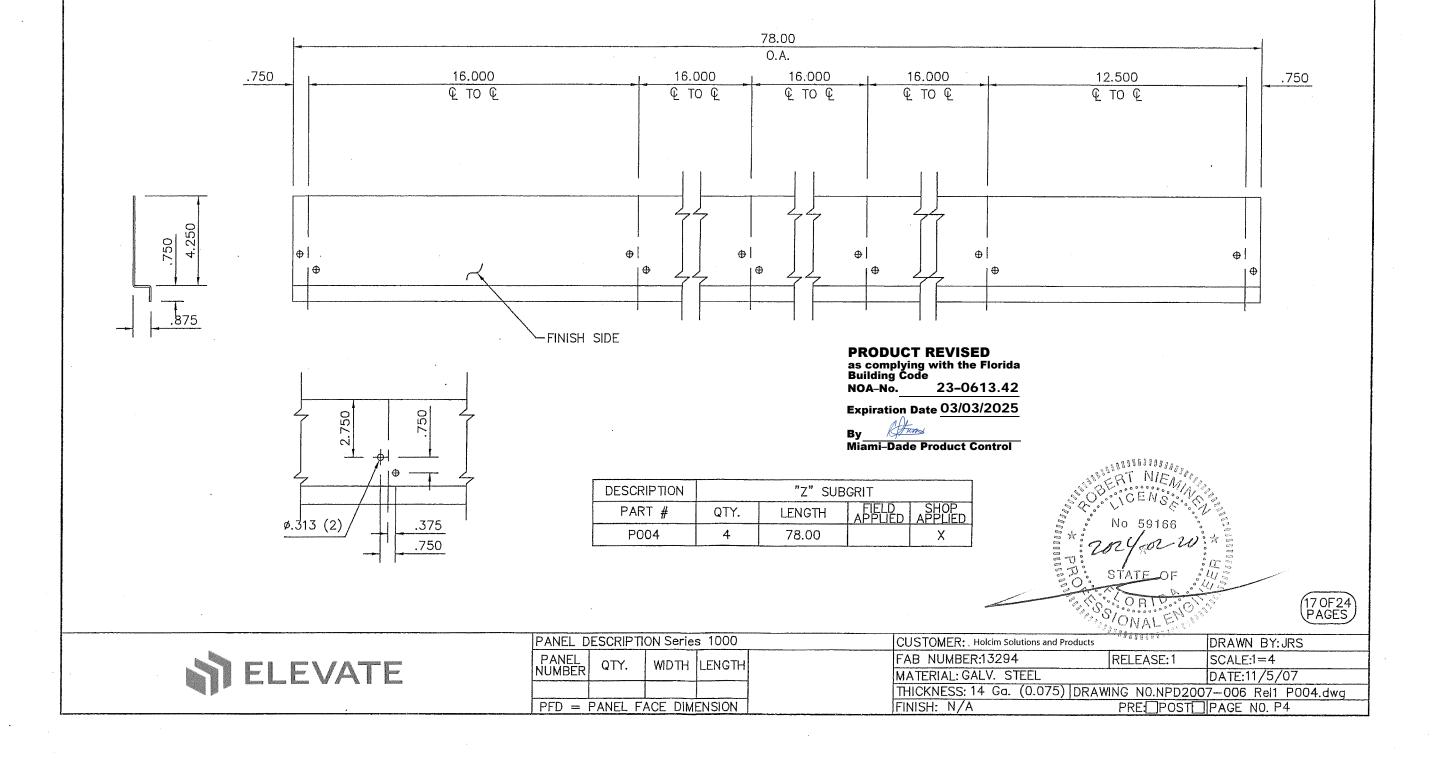
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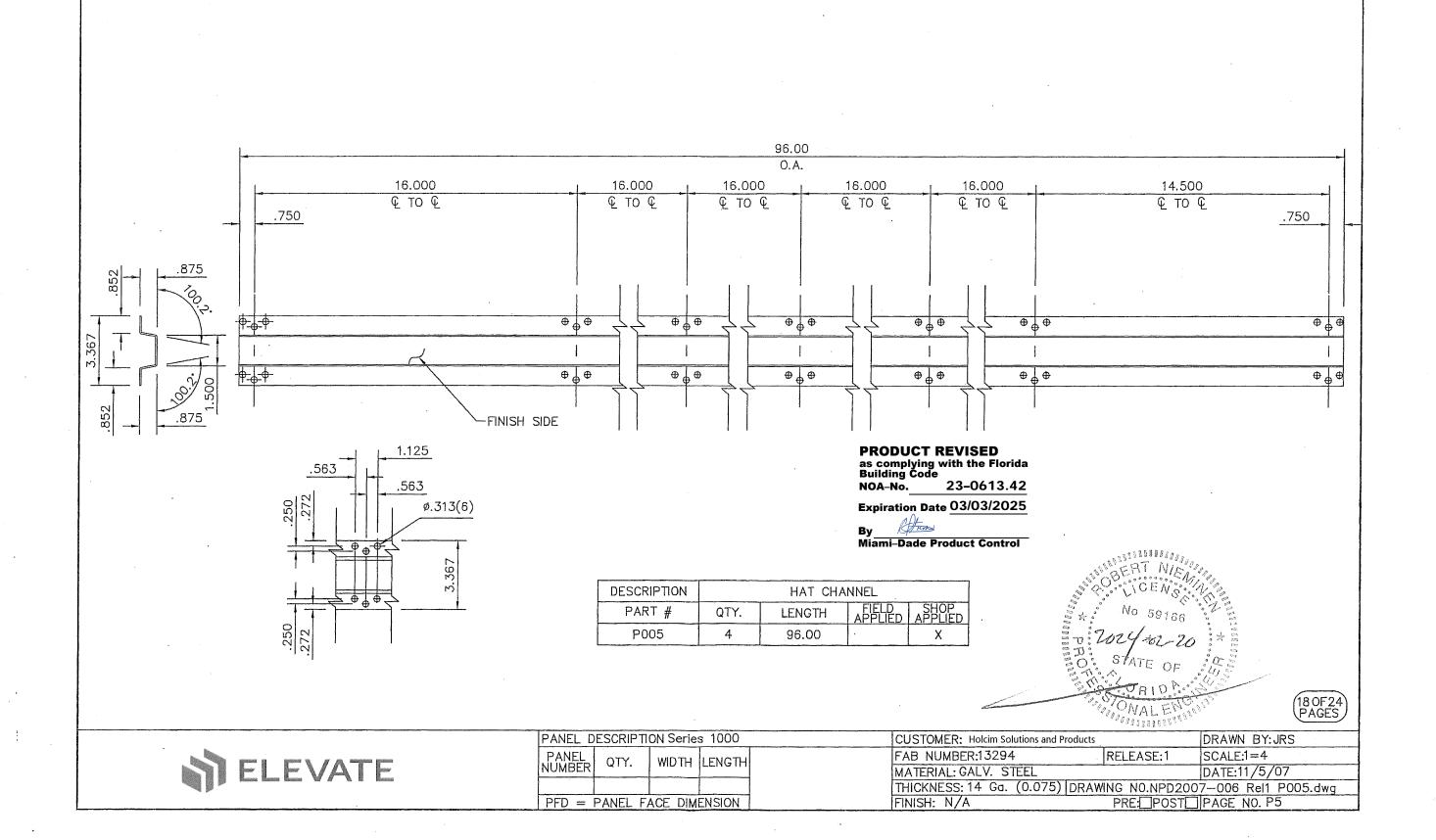
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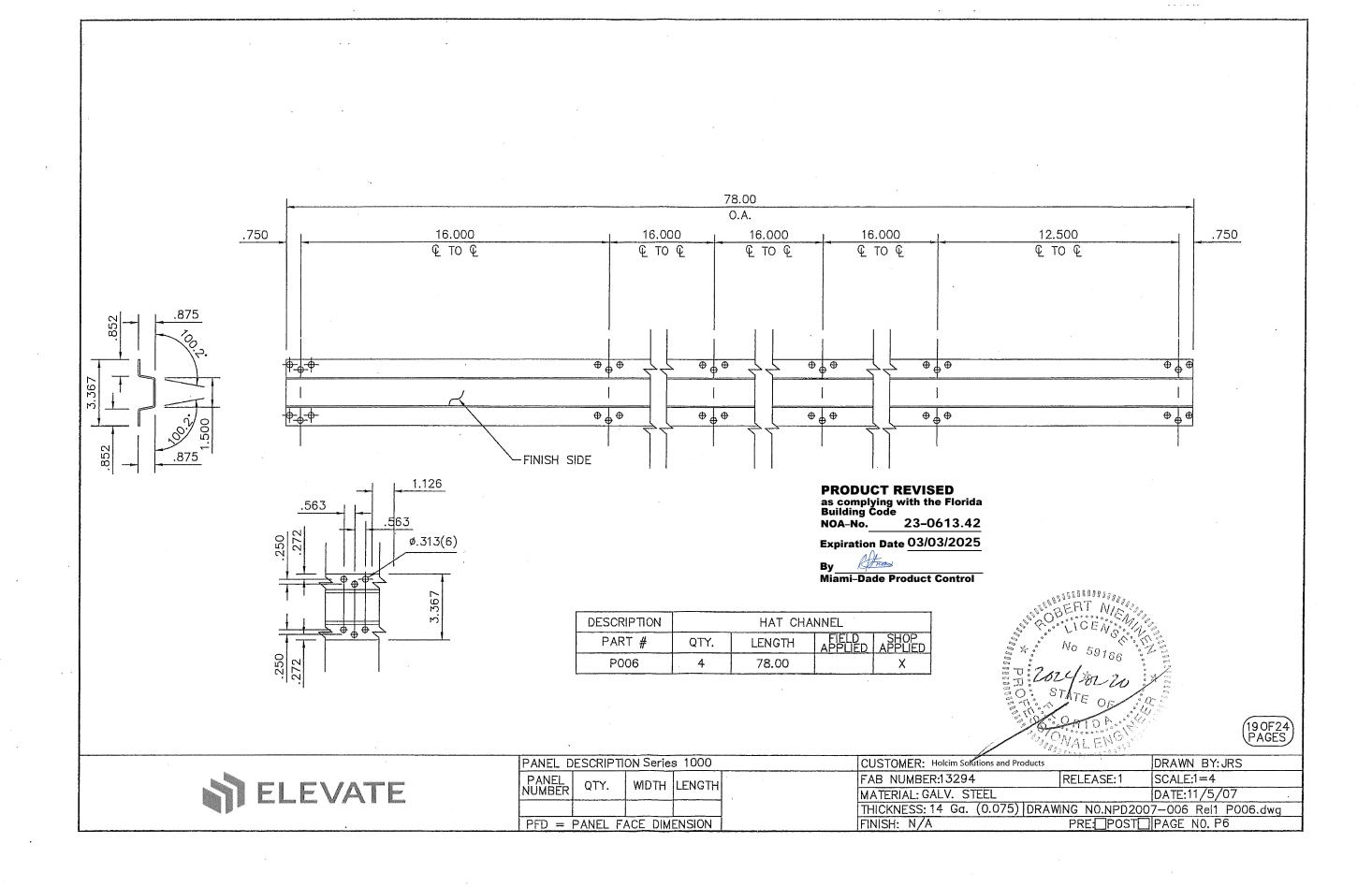
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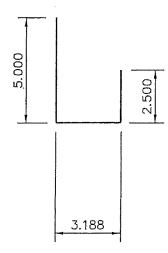
MATERIAL: GALV. STEEL

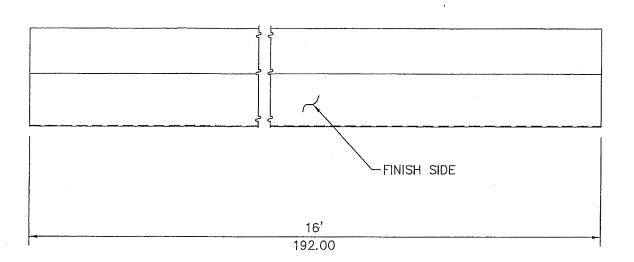












Expiration Date 03/03/2025

By Miami-Dade Product Control

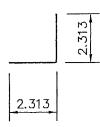
DESCRIPTION	.040 ALUM FLASHING					
PART #	QTY.	LENGTH	APPLIED	SHOP APPLIED		
P007	12	192.00		Х		

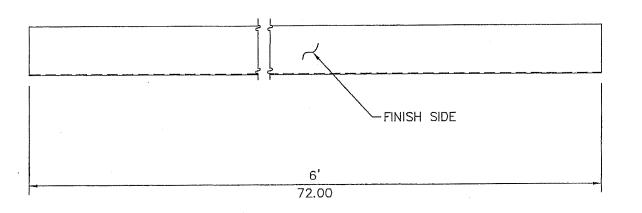






		274000000		
PANEL DESCRIPTION Series 1000	CUSTOMER: Holcim Solutions an	CUSTOMER: Holcim Solutions and Products		
PANEL QTY. WIDTH LENGTH	FAB NUMBER:13294	RELEASE:1	SCALE:1=4	
NUMBER 411. MID III LEITOITI	MATERIAL: 3003-H14		DATE:3/4/07	
	THICKNESS: .040	DRAWING NO.NPD20	007-006 Rel1 P007.dwg	
PFD = PANEL FACE DIMENSION	FINISH: N/A	PRE:□POST	PAGE NO. P7	





Expiration Date 03/03/2025

By Hans
Miami-Dade Product Control

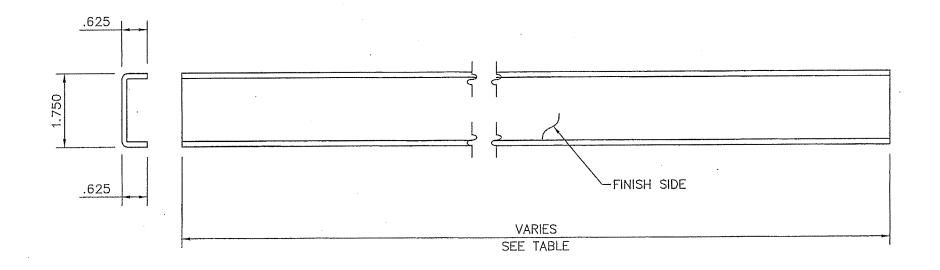
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PART #	QTY. LENGTH		FIELD APPLIED	SHOP APPLIED		
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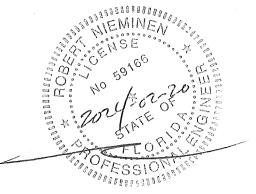
PANEL DESCRIPTION Series 1000	CUSTOMER: Holcim Solutions and P	DRAWN BY: JRS	
PANEL OTY WIDTH LENGTH	FAB NUMBER:13294	RELEASE:1	SCALE:1=4
PANEL QTY. WIDTH LENGTH	MATERIAL: 3003-H14		DATE:3/4/07
	THICKNESS: .040	DRAWING NO.NPD20	007-006 Rel1 P008.dwg
PFD = PANEL FACE DIMENSION	FINISH: N/A	PRE:_POST[PAGE NO. P8



Expiration Date 03/03/2025

Hum By Miami-Dade Product Control

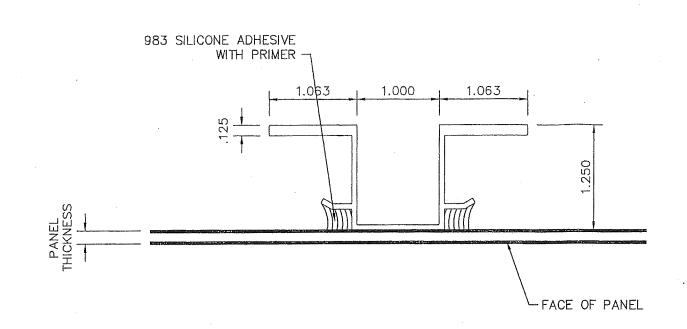
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P009B	4	12.625		X	





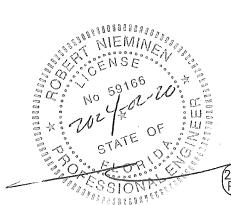


PANEL DESCRIPTION Series 1000	CUSTOMER: Holcim Solutions and	CUSTOMER: Holcim Solutions and Products		
PANEL OTY WIDTH LENGTH	FAB NUMBER:13294	RELEASE:1	SCALE:1=2	
PANEL QTY. WIDTH LENGTH	MATERIAL: 3003-H14		DATE:3/4/07	
	THICKNESS: .125	DRAWING NO.NPD20	07-006 Rel1 P009.dwg	
PFD = PANEL FACE DIMENSION	FINISH: N/A	FINISH: N/A PRE:□POST		



Expiration Date 03/03/2025

By Miami-Dade Product Control



88 ST1 54.50

PANEL STIFFENER CHANNEL

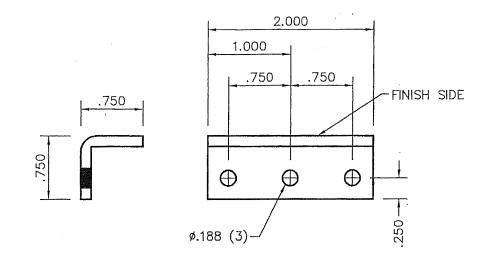
LENGTH

DESCRIPTION
PART #



PANEL DE	SCRIPTION	SERIES	1000	
PANEL QTY.		WIDTH	LENGTH	
D	DANEL F	ACE 0111	TAICION	
 PFD =	PANEL FA	ACE DIMI	FIAZION	Ļ.,

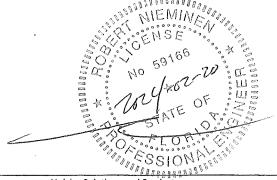
CUSTOMER: Holcim Solutions and Prod	DRAWN BY: BRG		
FAB NUMBER: 13294		RELEASE: 1	SCALE: 1=1
MATERIAL: Aluminum			DATE: 02/25/09
THICKNESS: 0.125		NG NO. NPD2007-0	006 Rel1 Stiffener Count.dwg
FINISH: Mill Finish		PRE: POST: PAGE NO. P1	



Expiration Date 03/03/2025

By Miami-Dade Product Control

DESCRIPTION	.125"	ALUMINUM	4MM PANEL	CLIP
PART #	QTY.	LENGTH	FIELD APPLIED	SHOP APPLIED
C1	400	2.00	X	







PANEL DE	SCRIPTION	SERIES	1000	
PANEL NUMBER	QTY.	WIDTH	LENGTH	
PFD =				

 "GREEPS	11113.		
CUSTOMER: Holcim Solutions and Products	DRAWN BY: BRG		
FAB NUMBER: 13294	RE	LEASE: 1	SCALE: 1=1
MATERIAL: Aluminum			DATE: 02/25/09
THICKNESS: 0.125 DR	DRAWING NO. NPD2007-006 Rel1 Clip Co		06 Rel1 Clip Count.dwg
FINISH: Mill Finish	PRE: POST: PAGE NO. P2		