

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

NOTICE OF ACCEPTANCE (NOA)

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

MIAMI-DADE COUNTY

Tecnoglass, LLC 3550 NW 49 Street Miami, FL 33142

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 "HC200" Outswing Aluminum Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W05-13**, titled "Series HC200 Aluminum Casement Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 03/15/05, with revision I dated 09/11/23, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, **Barranquilla**, **Colombia S.A.**, series 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 renews NOA No. 23-0928.13 and consists of this page 1, evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

MIAMI-DADE COUNTY
APPROVED

NOA No. 25-0613.03 Expiration Date: June 30, 2026 Approval Date: July 03, 2025 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA No. 05-0427.02)
- 2. Drawing No. **W05-13**, titled "Series HC200 Aluminum Casement Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 03/15/05, with revision I dated 09/11/23, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E. (Submitted under NOA No. 23-0928.13)

B. TESTS

- 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) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

along with marked-up drawings and installation diagram of an outswing aluminum casement window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4889**, dated 04/04/07, witnessed by Michael Wenzel, P.E.

(Submitted under NOA No. 07-1019.03)

- 2. 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) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

along with marked-up drawings and installation diagram of an outswing aluminum casement window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4897**, dated 07/18/06, signed and sealed by Edmundo J. Largaespada, P.E. (Submitted under NOA No. 07-1019.03)

- 3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
 - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with marked-up and die drawings of an outswing aluminum casement window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4887**, dated 12/18/06, signed and sealed by Michael Wenzel, P.E.

(Submitted under NOA No. 07-1019.03)

Manuel Perez, P.E.
Product Control Examiner
NOA No. 25-0613.03
Expiration Date: June 30, 2026

Approval Date: July 03, 2025

Tecnoglass, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S (CONTINUED)
- B. TESTS (CONTINUED)
 - 4. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 along with marked-up drawings and installation diagram of an outswing aluminum casement window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. FTL-4896, FTL-4504 and FTL-4570, dated 10/02/06, 02/02/05 and 03/18/05 respectively, all signed and sealed by Edmundo J. Largaespada, P.E.

(Submitted under NOA's No. 07-1019.03 and 05-0427.02)

- 5. 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) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

along with marked-up drawings and installation diagram of an outswing aluminum casement window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-4417**, **FTL-4416**, **FTL-4371**, dated 12/09/04 and 02/09/05 respectively, all signed and sealed by Edmundo J. Largaespada, P.E.

(Submitted under NOA No. 05-0427.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 5th Edition (2014), dated 07/13/15 and 02/25/16 and further updated on 12/09/20 to comply with FBC 7th Edition (2020), prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

(Submitted under NOA No. 21-0113.07)

2. Glazing complies with ASTM E 1300-09

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (RER).

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 20-0915.22 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 11/19/20, expiring on 07/08/24.
- 2. Notice of Acceptance No. 22-1116.01 issued to Kuraray America, Inc. for their "SentryGlas® (Clear and White) Glass Interlayers" dated 12/15/22, expiring on 07/04/28.

Manuel Perez, P.E. Product Control Examiner NOA No. 25-0613.03

Expiration Date: June 30, 2026 Approval Date: July 03, 2025

Tecnoglass, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S (CONTINUED)
- F. STATEMENTS
 - 1. Statement letter of conformance, complying with **FBC** 7th **Edition (2020)**, with **FBC** 8th **Edition (2023)** and of no financial interest, dated September 20, 2023, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E. (Submitted under NOA No. 23-0928.13)
 - 2. Laboratory compliance letter for Test Reports No. **FTL-4889** and **FTL-4887**, issued by Fenestration Testing Laboratory, Inc., dated 04/04/07 and 12/18/06, both signed and sealed by Michael Wenzel, P.E. (Submitted under NOA No. 07-1019.03)
 - 3. Laboratory compliance letter for Test Reports No., FTL-4897, FTL-4896, FTL-4417, FTL-4416, FTL-4371, FTL-4504 and FTL-4570, issued by Fenestration Testing Laboratory, Inc., dated 12/09/04, 02/09/05, 02/02/05, 03/18/05, 07/18/06 and 10/02/06, respectively, all signed and sealed by Edmundo J. Largaespada, P.E. (Submitted under NOA's No. 07-1019.03 and 05-0427.02)
 - 4. Letter of sales of asset and relinquishing of all rights of NOA No. 12-0410.26, dated 07/15/14, issued by R.C. Aluminum Industries, Inc. signed by Raul Casares, for and on behalf of R.C. Aluminum Industries, Inc. (Submitted under NOA No. 15-0715.02)
 - 5. Asset purchase agreement dated 06/19/14, signed by Mr. Raul Casares, for and on behalf of R.C. Aluminum Industries, Inc. (Submitted under NOA No. 15-0715.02)

G. OTHERS

1. Notice of Acceptance No. **21-0113.07**, issued to Tecnoglass, LLC, for their Series "HC-200" Outswing Aluminum Casement Window – L.M.I., approved on 04/15/21 and expiring on 06/30/25.

Manuel Pérez, P.E.
Product Control Examiner
NOA No. 25-0613.03
Expiration Date: June 30, 2026

Approval Date: July 03, 2025

Tecnoglass, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. None.

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. Notice of Acceptance No. **24-0205.08** issued to **Kuraray America**, **Inc.** for their "**Trosifol® Ultraclear**, **Clear and Color PVB Glass Interlayers**" dated 03/21/24, expiring on 07/08/29.
- 2. Notice of Acceptance No. 23-0717.30 issued to Kuraray America, Inc. for their "SentryGlas® (Clear and White) Glass Interlayers" dated 08/31/23, expiring on 07/04/28.

F. STATEMENTS

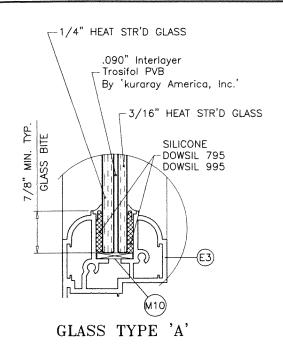
- 1. Statement letter of conformance, complying with **FBC 8**th **Edition (2023)** and of no financial interest, dated June 09, 2025, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
- 2. Letter from consultant requesting a 1-year extension to allow time to perform verification test, dated June 09, 2025, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
- 3. Testing agreement letter, dated June 11, 2025, between Blackwater Technical Services, Inc. and E.S. Windows, LLC, issued by Blackwater and signed by Michael D. Caldwell, President.

G. OTHERS

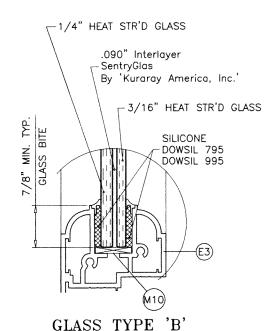
- 1. Notice of Acceptance No. 23-0928.13, issued to Tecnoglass, LLC, for their Series "HC200" Outswing Aluminum Casement Window L.M.I., approved on 10/26/23 and expiring on 06/30/25.
- 2. This is a one-year approval, subjected to successful verification test, the final approval will be issued for a total of 5 years.

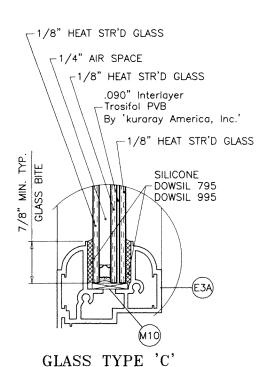
Manuel Perez, P.E. Product Control Examiner NOA No. 25-0613.03

Expiration Date: June 30, 2026 Approval Date: July 03, 2025



EXTERIOR





GLAZING OPTIONS

TO QUALIFY FOR SMALL MISSILE IMPACT RATING EXTERIOR PLY OF GLASS TYPE 'C' MUST BE TEMPERED.

> 1/4" AIR SPACE CONSISTING OF: SPACER:

'HELIMA' LOW PROFILE ALUMINUM SPACER BY 'LINGERMANN GMBH' AROUND THE PERIMETER OF THE GLASS. PERIMETER SEALANT: SILICONE DOWSIL 791 GE 2000

SERIES HC200 ALUMINUM CASEMENT WINDOW

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF CASEMENT/CASEMENT OR CASEMENT WITH OTHER MIAMI-DADE COUNTY APPR'D WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN.

LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

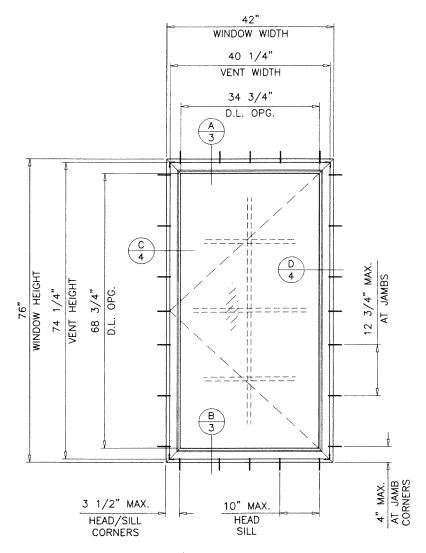
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY. ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020/2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.



TYPICAL ELEVATION

PRODUCT RENEWED as complying with the Florida Building Code NOA-No. 25-0613.03

Expiration Date: 06/30/2026

Miami-Dade Product Control

PRODUCT REVISED As complying with the Florida Building Code 23-0928.13 NOA-No. **Expiration Date: 06/30/2025**

Miami-Dade Product Control

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

No. 81223

STATE OF

ACORDO

A

é <u>2 u u o ± .</u> drawing W05 - 13sheet 1 of 6

no.

AL-FAROOQ CORPORATIONENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

(L.M.I.)

WDW.

SERIES HC200 ALUMINUM CASEMENT

TECNOGLASS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638-5151 FAX.

FAX

(C.A.N. 3

SEP 2 0 2023

WINDOW DIMS.		·	GLASS TYPE 'A' GLASS TYPE 'B'				
		 					
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
20"		130.0	180.0	150.0	210.0	100.0	100.0
24"		130.0	180.0	150.0	210.0	100.0	100.0
28"	36"	130.0	180.0	150.0	210.0	100.0	100.0
32"		130.0	165.0	130.0	150.0	100.0	100.0
36"		130.0	165.0	130.0	150.0	100.0	100.0
40"		130.0	165.0	130.0	150.0	100.0	100.0
42"		130.0	165.0	130.0	150.0	100.0	100.0
20"		130.0	180.0	150.0	210.0	100.0	100.0
24"		130.0	180.0	150.0	210.0	100.0	100.0
28"	42"	130.0	165.0	130.0	150.0	100.0	100.0
32"	72	130.0	165.0	130.0	150.0	100.0	100.0
36"		130.0	165.0	130.0	150.0	100.0	100.0
40"		130.0	151.7	130.0	150.0	100.0	100.0
42"		130.0	144.5	130.0	144.5	100.0	100.0
20"		130.0	180.0	150.0	210.0	100.0	100.0
24"		130.0	165.0	130.0	150.0	100.0	100.0
28"	48"	130.0	165.0	130.0	150.0	100.0	100.0
32"	40	130.0	165.0	130.0	150.0	100.0	100.0
36"		130.0	165.0	130.0	150.0	100.0	100.0
40"		130.0	165.0	130.0	150.0	100.0	100.0
42"		130.0	165.0	130.0	150.0	100.0	100.0
20"		130.0	165.0	130.0	150.0	100.0	100.0
24"	54"	130.0	165.0	130.0	150.0	100.0	100.0
28"		130.0	165.0	130.0	150.0	100.0	100.0
32"		130.0	165.0	130.0	150.0	100.0	100.0
36"		130.0	165.0	130.0	150.0	100.0	100.0
40"		130.0	157.3	130.0	150.0	100.0	100.0
42"		130.0	149.8	130.0	149.8	100.0	100.0
20"		130.0	165.0	130.0	150.0	100.0	100.0
24"	co"	130.0	165.0	130.0	150.0	100.0	100.0
28"		130.0	165.0	130.0	150.0	100.0	100.0
32"	60"	130.0	165.0	130.0	150.0	100.0	100.0
36"		130.0	165.0	130.0	150.0	100.0	100.0
40"		130.0	130.0	130.0	150.0		_
42"		130.0	130.0	130.0	150.0		-
20"	-	130.0	165.0	130.0	150.0	100.0	100.0
24"		130.0	165.0	130.0	150.0	100.0	100.0
28"	66"	130.0	165.0	130.0	150.0	100.0	100.0
32"		130.0	165.0	130.0	150.0	100.0	100.0
36"		130.0	130.0	130.0	150.0	_	
40"		130.0	130.0	130.0	150.0		_
42"		130.0	130.0	130.0	150.0	-	
20"		130.0	165.0	130.0	150.0	100.0	100.0
24"		130.0	165.0	130.0	150.0	100.0	100.0
28"	72"	130.0	165.0	130.0	150.0	100.0	100.0
32"	/ 2	130.0	165.0	130.0	150.0	100.0	100.0
36"		130.0	130.0	130.0	150.0	_	_
40"		130.0	130.0	130.0	147.5		
42"	L.,	130.0	130.0	130.0	140.5	<u> </u>	

DESIGN LOAD CAPACITY - PSF FOR (X) SIZES

DESIGN LOAD CAPACITY - PSF FOR (X) SIZES								
WINDOV	WINDOW DIMS.		TYPE 'A'	PE 'A' GLASS TYPE 'B' GI		GLASS 7	ASS TYPE 'C'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	
20"		130.0	165.0	130.0	150.0	100.0	100.0	
24"	78"	130.0	165.0	130.0	150.0	100.0	100.0	
28"		130.0	165.0	130.0	150.0	100.0	100.0	
32"		130.0	130.0	130.0	150.0	***		
36"		130.0	130.0	130.0	150.0	-	_	
40"		124.0	130.0	124.0	143.0	_	****	
20"		130.0	165.0	130.0	150.0	150.0 100.0		
24"		130.0	165.0	130.0	150.0	100.0	100.0	
28"	84"	130.0	130.0	130.0	150.0		-	
32"		118.0	130.0	118.0	136.2	_	_	
36"		106.6	123.0	106.6	123.0	-	_	

	DESIGN LOAD CAPACITY - PSF FOR (X) SIZES						
WINDOW DIMS.		GLASS 7	SS TYPE 'A' GLASS TYPE 'B' GI		GLASS 7	LASS TYPE 'C'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
19-1/8"	26"	130.0	180.0	130.0	210.0	100.0	100.0
26-1/2"		130.0	180.0	130.0	210.0	100.0	100.0
37"		130.0	180.0	130.0	210.0	100.0	100.0
42"		130.0	165.0	130.0	150.0	100.0	100.0
19-1/8"	38-3/8"	130.0	180.0	130.0	210.0	100.0	100.0
26-1/2"		130.0	180.0	130.0	210.0	100.0	100.0
37"		130.0	165.0	130.0	150.0	100.0	100.0
42"		130.0	158.1	130.0	150.0	100.0	100.0
19-1/8"		130.0	180.0	130.0	210.0	100.0	100.0
26-1/2"	50-5/8"	130.0	165.0	130.0	150.0	100.0	100.0
37"		130.0	165.0	130.0	150.0	100.0	100.0
42"		130.0	159.8	130.0	150.0	100.0	100.0
19-1/8"		130.0	165.0	130.0	150.0	100.0	100.0
26-1/2"	63"	130.0	165.0	130.0	150.0	100.0	100.0
37"		130.0	165.0	130.0	150.0	100.0	100.0
42"		130.0	130.0	130.0	150.0	_	_
19-1/8"		130.0	165.0	130.0	150.0	100.0	100.0
26-1/2"	76"	130.0	165.0	130.0	150.0	100.0	100.0
37"		130.0	130.0	130.0	150.0	-	_
42"		130.0	130.0	130.0	133.1	_	-

PRODUCT RENEWED as complying with the Florida Building Code 25-0613.03 NOA-No.

Expiration Date: 06/30/2026 By: Manuel Perez

Miami-Dade Product Control

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

SEP 2 0 2020



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

(L.M.I.)

SERIES HC200 ALUMINUM CASEMENT WDW. TECNOGLASS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638–5151 FAX.

PRODUCT REVISED

By: Manuel Perez

As complying with the Florida Building Code

Expiration Date: 06/30/2025

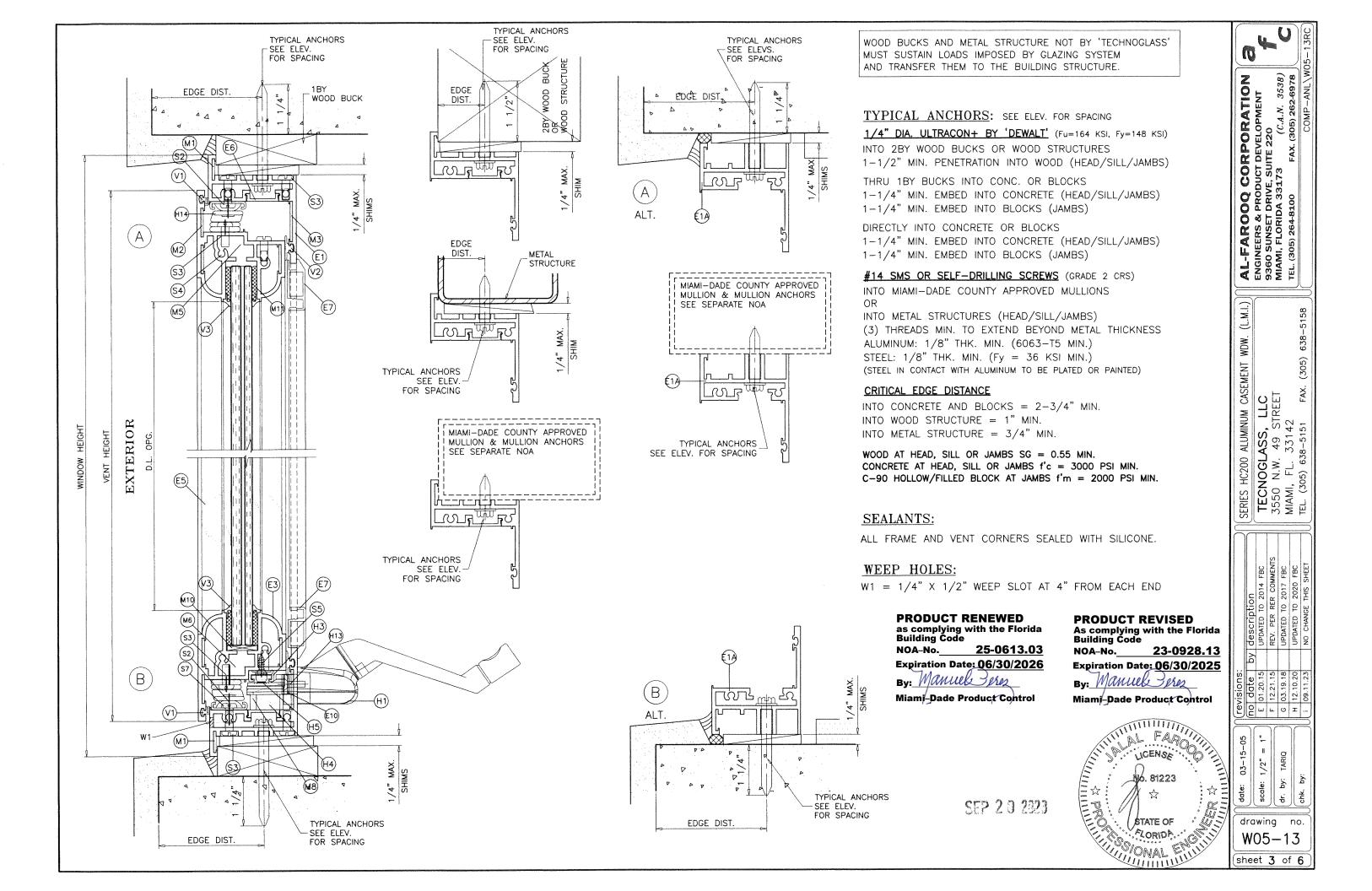
Miami-Dade Product Control

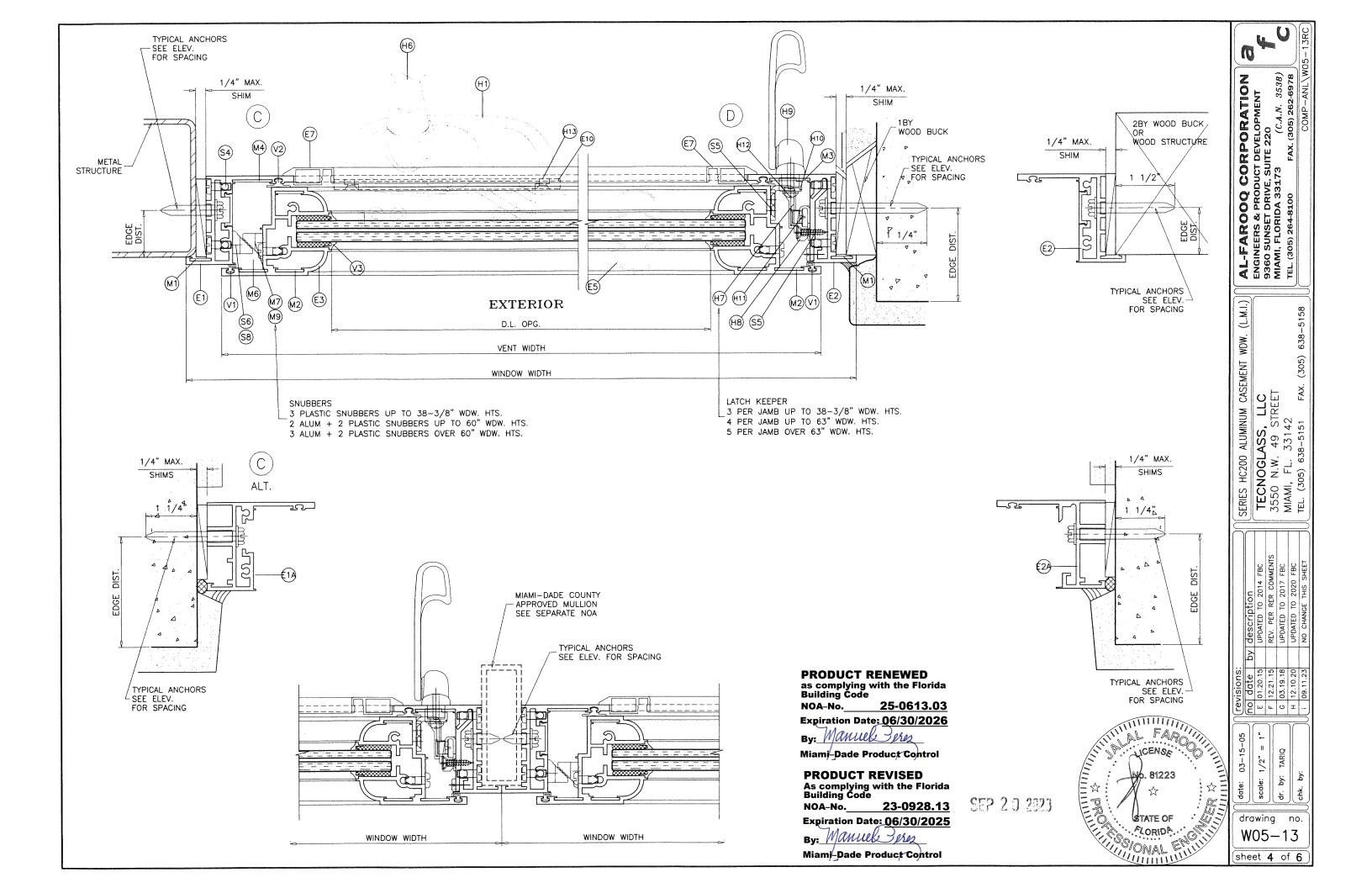
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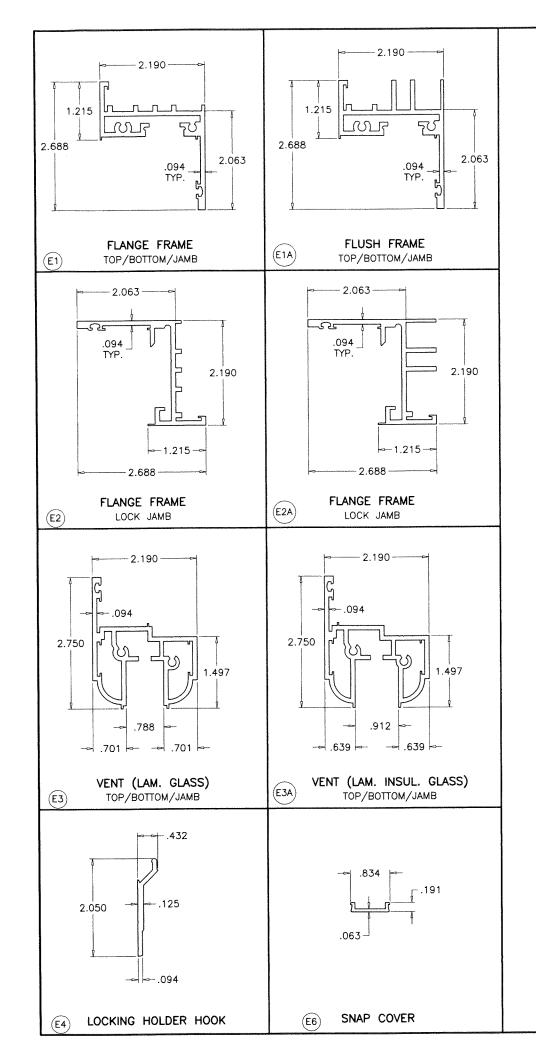
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drawing no. W05 - 13

sheet 2 of 6







ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS	
E1	HC200-001	3/ WDW.	FLANGE FRAME TOP , BOTTOM & JAMB (NON LOCK)	6063-T6		
E1A	HC200-008	3/ WDW.	FLUSH FRAME TOP , BOTTOM & JAMB (NON LOCK)	6063-T6		
E2	HC200-002	1/ WDW.	FLANGE FRAME LOCK JAMB	6063-T6	-	10N VT 3538) -6978
E2A	HC200-009	1/ WDW.	FLUSH FRAME LOCK JAMB	6063-T6	_	ORATION ELOPMENT 20 (C.A.N. 3538) (305) 262-6978
E3	HC200-003	4/ WDW.	VENT TOP , BOTTOM & JAMBS (LAM. GLASS)	6063-T6	-	ORATIC ELOPMENT 120 (C.A.N. 3:
E3A	HC200-006	4/ WDW.	VENT TOP , BOTTOM & JAMBS (LAM. INSUL. GLASS)	6063-T6	-	P P 8
E4	HC200-004	1/ WDW.	LOCKING HOLDER HOOK	6063-T6	•••	POR EVELOF E 220 (C. (C.)
E5	HC200-005	AS REQD.	OPTIONAL MUNTIN	ALUMINUM	_	11 A > N
E6	BD4500-015	4/ WDW.	SNAP COVER (OPTIONAL)	ALUMINUM	_	
E7	1/ WDW.		SCREEN (OPTIONAL)	ALUMINUM	_	S 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
E10	CM100-022	*****	ANCHOR ARM FOR ROTO OPERATOR	_	_	DQ CQ PRODUCT PRIVE, SI A 33173
V1	V-059	AS REQD.	EXTERIOR W/STP. VINYL	PVC		AL-FAROOQ ENGINEERS & PRO 9360 SUNSET DRI MIAMI, FLORIDA 3 TEL. (305) 264-8100
V2	V-033A	AS REQD.	TR-5804N COMPRESSION GASKET (INSIDE)	NEOPRENE	TREMCO	RAC ISE OR 264
V3	P-021 (OPTIONAL)	AS REQD.	COSMETIC COVER SEAL MELTPOINT	_		ER P. C. C.
	1 021 (01 11011112)	, no medo.				-FA INEER O SUR MI, FL (305)
M1	HC200-M01	1/ CORNER	FRAME SMALL CORNER LOCK	ST. STEEL	16 GA.	ENG 936 MIAI
M2	HC200-M02	3/ CORNER	VENT CORNER LOCK	ST. STEEL	16 GA.	₹ 8 8 8 1
М3	HC200-M03	1/ CORNER	FRAME LARGE CORNER LOCK	ST. STEEL	16 GA.	
M4	HC200-M04	1	FRAME LARGE CORNER LOCK (AT ROTO OPERATOR ONLY)	ST. STEEL	16 GA.	(L.M.I.)
M5	HC200-M05	1/ CORNER	LEFT HAND FRAME CORNER LOCK	6063-T6		(L.M.)
М6	HC200-M06	1/ CORNER	RIGHT HAND FRAME CORNER LOCK	6063-T6	_	11
M7	HC200-M07	-	ALUMINUM SNUBBER	_	_	111 5 11
м8	P-030		NYLON CAM	_	_	111 11
м9	P#12206	_	NYLON SNUBBERS	_	-	CASEMENT CASEMENT CC
M10		2/ LITE	1/8" X 3/4" SETTING BLOCK, AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A	CASE ET
M12	HC200-M08	_	GUIDE HOUSING	ALUMINUM	-	
M13	P-031	_	SHIM ANTI FRICTION	PLASTIC		SERIES HC200 ALUMINUM TECNOGLASS, LI 3550 N.W. 49 STR MIAMI, FL. 33142
111	CDOE		9.5" SINGLE ARM OPERATOR	ST/ST	ROTO HARDWARE	SS, 9
H1	CD25	1 / 14/014/	SURFACE MOUNT OPERATOR	31/31	ROTO HARDWARE	₩ ₹ ¥ ₩
H3	CB304	1/ WDW.			ROTO HARDWARE	∰ 20 ७ ≥ ၂
H4	CB253	1	8.5 MM. OPERATOR BOTTOM SPACER		ROTO HARDWARE	HC200 N.W.
H5	CB201	1	OPERATOR TOP SPACER	ST/ST	ROTO HARDWARE	
H7	L1305-2111	3	KEEPERS	31/31	ROTO HARDWARE	SERIES TEC 3550 MIAMI
H8	GT553	-	GUIDE HOUSING			S
H9	LH088-7510	-	WHITE HANDLE		ROTO HARDWARE	
H10	G2-HND-LPLT-02		HANDLE FASTENER PLATE		ROTO HARDWARE	
H11	LB06	1	LOCK POINT STAINLESS STEEL		ROTO HARDWARE	
H12	GT990		#10-32X 3/8" LG. PH. MACHINE SCREW (LOCKING HANDLE)	ST/ST		FBC SHEET FBC
H13	M1000	_	#8-32X 3/4" LG. PHL. FH. THREAD CUTTING (ANCHOR ARM)	ST/ST	TRUTU OR PROMITE ORIET	111 11 12 12 12 12
H14		2	4 BAR HINGE	-	TRUTH OR BRONZE CRAFT	description UPDATED TO 201 NO CHANGE THIS UPDATED TO 201 UPDATED TO 201
S2			#10 X 3/8" LG. PH. PHL. SMS. (ARM-FRAME)	ST/ST		CCTIP NTED ATED
S3		<u> </u>	#10 X 1/2" LG. PH. PHL. SMS. (ARM-VENT)	ST/ST	-	Jes Jes Jes Jes Jes
S4			#10 X 1-1/2" LG. PH. PHL. SMS. (ASSEMBLY)	ST/ST		
S5			#8-32 X 1/2" LG. FH. PHL. (GUIDES-SURFACE MOUNT)	ST/ST	-	
S6			#6 X 1/2" LG. FH. PHL. SMS. (SNUBBERS)	ST/ST		ons 0.15 9.18 9.18
S7			#10 X 1/2" LG. PHL. FH. SMS.	ST/ST		da da 31.2(12.2 12.2 12.1(
S8		_	#6 X 1/2" LG. PH. SMS. ST/ST AT ALUM. SNUBBER	_		revisions: no date
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PRODUCT RENEWED
as complying with the Florida
Building Code NOA-No. **25-0613.03**

Expiration Date: 06/30/2026

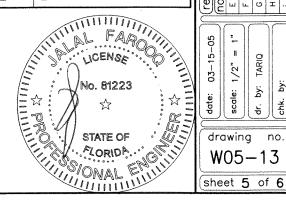
By: Manuel Pres Miami-Dade Product Control

PRODUCT REVISED
As complying with the Florida
Building Code NOA-No.

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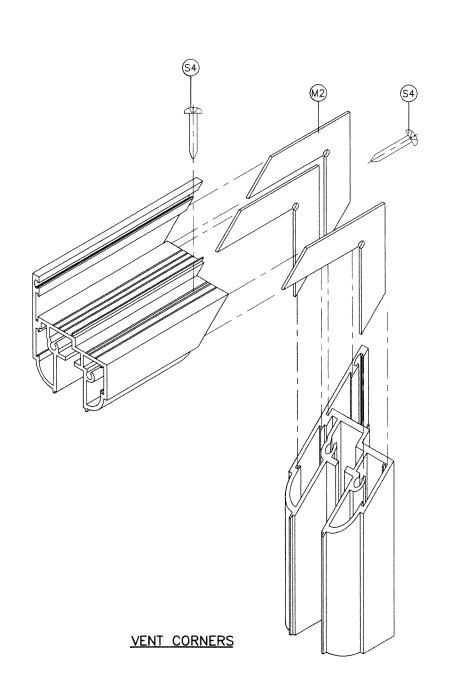
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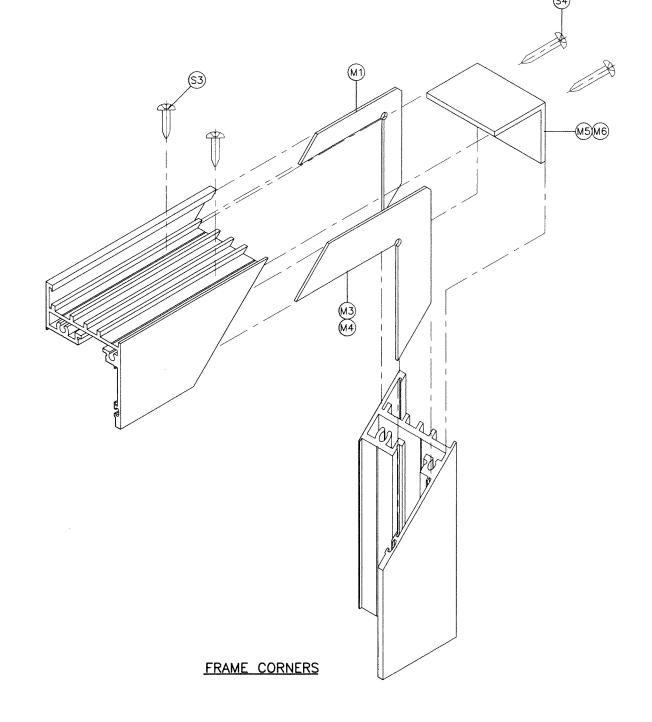
By: Manuel Pres Miami-Dade Product Control



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TECNOGLASS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638–5151 FAX.





PRODUCT RENEWED
as complying with the Florida
Building Code

NOA-No. <u>25-0613.03</u> Expiration Date: <u>06/30/2026</u>

By: Manuel Product Control

PRODUCT REVISED
As complying with the Florida
Building Code

NOA-No. 23-0928.13 SEP 2 3 2323

Expiration Date: 06/30/2025

By: Manuel Pres

Miami-Dade Product Control

No. 81223

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