

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/building

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 Revision 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 revises NOA No. 21-0113.07 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

10/18/23

NOA No. 23-0928.13 Expiration Date: June 30, 2025 Approval Date: October 26, 2023 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 **H** dated 12/10/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E. (Submitted under NOA No. 21-0113.07)

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. 23-0928.13

Expiration Date: June 30, 2025 Approval Date: October 26, 2023

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. 19-0305.02 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 05/09/19, expiring on 07/08/24.
- 2. Notice of Acceptance No. 18-0725.11 issued to Kuraray America, Inc. for their "Kuraray SentryGlas® Xtra™ (SGX™) Clear Glass Interlayer" dated 05/23/19, expiring on 05/23/24.

Manuel Perez, P.E. Product Control Examiner NOA No. 23-0928.13

Expiration Date: June 30, 2025 Approval Date: October 26, 2023

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 6th Edition (2017), with FBC 7th Edition (2020) and of no financial interest, dated December 09, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E. (Submitted under NOA No. 21-0113.07)
 - 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. **20-0310.15**, issued to Tecnoglass, LLC, for their Series "HC-200" Outswing Aluminum Casement Window – L.M.I., approved on 05/07/20 and expiring on 06/30/25.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0928.13

Expiration Date: June 30, 2025 Approval Date: October 26, 2023

Tecnoglass, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. 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.

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. 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.

F. STATEMENTS

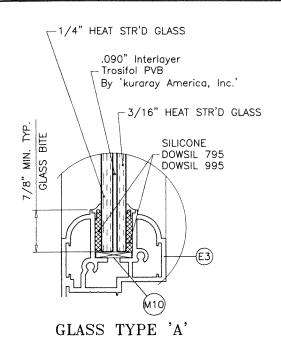
1. Statement letter of conformance, complying with FBC 7th Edition (2020), with FBC 8th Edition (2023) and of no financial interest, dated September 20, 2023, issued by Al-Faroog Corporation, signed and sealed by Jalal Faroog, P.E.

G. OTHERS

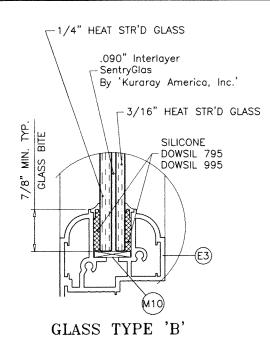
1. Notice of Acceptance No. **21-0113.07**, issued to Tecnoglass, LLC, for their Series "HC-200" Outswing Aluminum Casement Window – L.M.I., approved on 04/15/21 and expiring on 06/30/25.

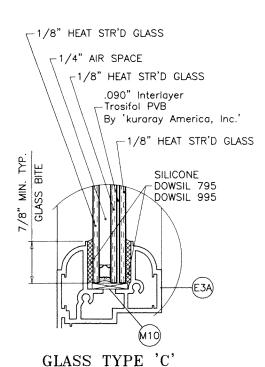
Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0928.13
Expiration Date: June 30, 2025

Approval Date: October 26, 2023



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.

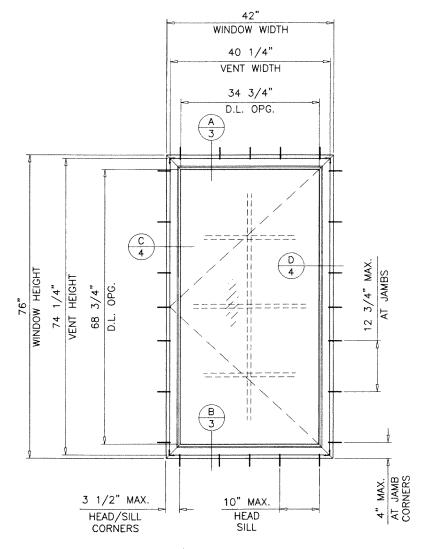
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY. ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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 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.

SEP 2 0 2023

No. 81223

STATE OF

ACORDO

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sheet 1 of 6

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.

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

FAX

SERIES HC200 ALUMINUM CASEMENT

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drawing no.

W05 - 13

	DESIGN	LOAD CAI	PACITY -	PSF FOR	R (X) S	SIZES	
WINDOW	V DIMS.	GLASS 7	ГҮРЕ 'А'	GLASS 7	TYPE 'B'	GLASS 7	TYPE 'C'
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"		130.0	180.0	150.0	210.0	100.0	100.0
32"	36"	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"		130.0	165.0	130.0	150.0	100.0	100.0
32"	42"	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"		130.0	165.0	130.0	150.0	100.0	100.0
32"	48"	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"		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"	54"	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"		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"		130.0	165.0	130.0	150.0	100.0	100.0
32"	66"	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"		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	130.0	130.0	150.0	_	-
40"		130.0	130.0	130.0	147.5		_
42"		130.0	130.0	130.0	140.5	_	_
C	* ** ******		***************************************				

	DESIGN	LOAD CAI	PACITY -	PSF FOR	R (X) S	IZES		
WINDOV	V DIMS.	GLASS 7	TYPE 'A'	GLASS 7	YPE 'B'	GLASS TYPE 'C'		
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	
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"	78"	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	100.0	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 LO	DAD CAPA	CITY - F	SF FOR	(X) SIZ	ES	
WINDOV	V DIMS.	GLASS 7	TYPE 'A'	GLASS T	YPE 'B'	GLASS 7	YPE 'C'
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
19-1/8"		130.0	180.0	130.0	210.0	100.0	100.0
26-1/2"	26"	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"		130.0	180.0	130.0	210.0	100.0	100.0
26-1/2"	38-3/8"	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	_	-

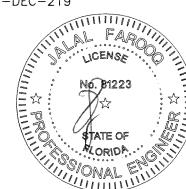
PRODUCT REVISED
As complying with the Florida
Building Code 23-0928.13

Expiration Date: <u>06/30/2025</u> 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. (L. TECNOGLASS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638-5151 FAX. (305) 638-51

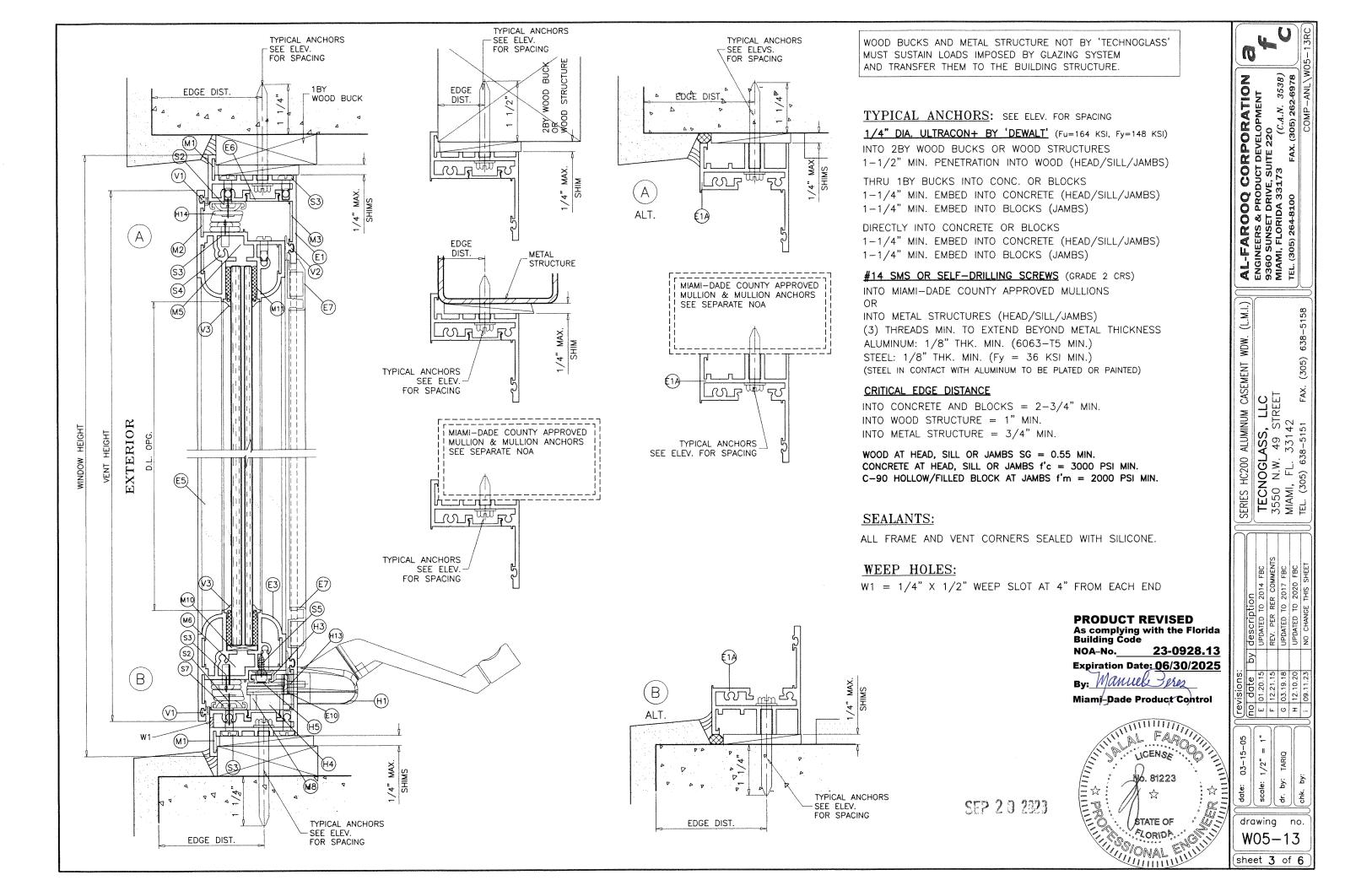
638-5158

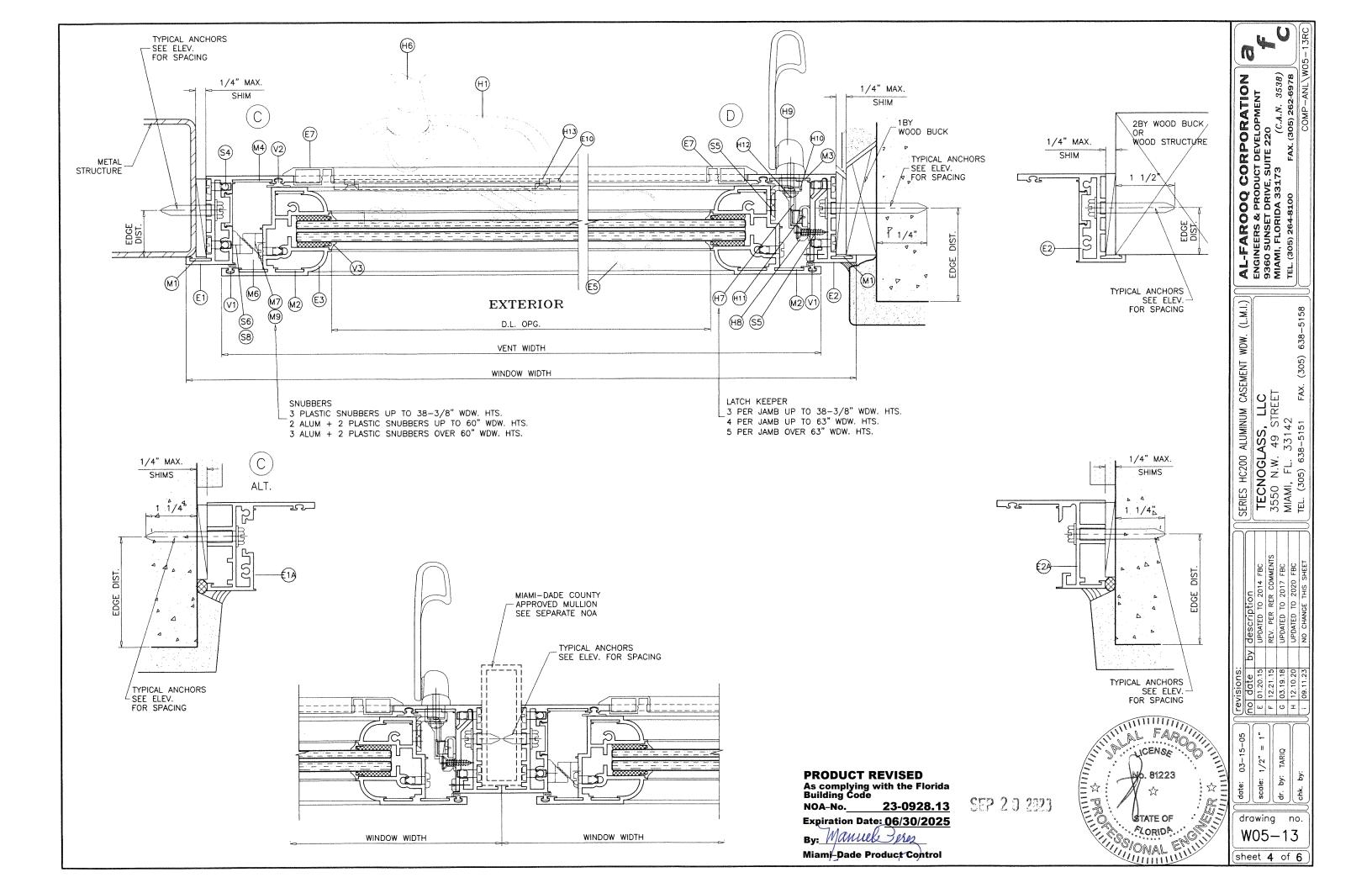
03-15-05

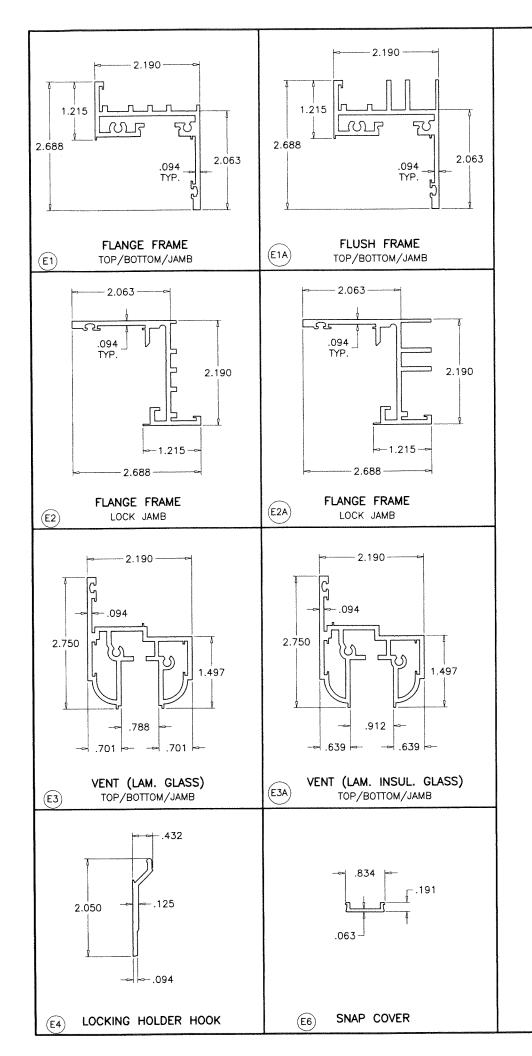
drawing no.

W05 - 13

sheet 2 of 6







ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS	RATION
E1	HC200-001	3/ WDW.	FLANGE FRAME TOP , BOTTOM & JAMB (NON LOCK)	6063-T6	_	0 1
E1A	HC200-008	3/ WDW.	FLUSH FRAME TOP , BOTTOM & JAMB (NON LOCK)	6063-T6	asua	05
E2	HC200-002	1/ WDW.	FLANGE FRAME LOCK JAMB	6063-T6	_	3538) 3538)
E2A	HC200-009	1/- WDW.	FLUSH FRAME LOCK JAMB	6063-T6	_	CORPORATION SUCT DEVELOPMENT E, SUITE 220 173 (C.A.N. 3538) FAX. (305) 262-6978 COMP—ANL\V
E3	HC200-003	4/ WDW.	VENT TOP , BOTTOM & JAMBS (LAM. GLASS)	6063-T6		ME! ME!
E3A	HC200-006	4/ WDW.	VENT TOP , BOTTOM & JAMBS (LAM. INSUL. GLASS)	6063-T6	-	7 C C C C C C C C C C C C C C C C C C C
E4	HC200-004	1/ WDW.	LOCKING HOLDER HOOK	6063-T6	-	220 (((30
E5	HC200-005	AS REQD.	OPTIONAL MUNTIN	ALUMINUM	_	A D EVI
E6	BD4500-015	4/ WDW.	SNAP COVER (OPTIONAL)	ALUMINUM	-	ORF CT DE SUITE 73 FAX
E7	1/ WDW.	_	SCREEN (OPTIONAL)	ALUMINUM	-	17.3 S C C
E10	CM100-022		ANCHOR ARM FOR ROTO OPERATOR	-	-	a o ≥ g c
V1	V-059	AS REQD.	EXTERIOR W/STP. VINYL	PVC		ROOQ RS & PRC NSET DRI ORIDA 3
V2	V-033A	AS REQD.	TR-5804N COMPRESSION GASKET (INSIDE)	NEOPRENE	TREMCO	S S S S S S S S S S S S S S S S S S S
V3	P-021 (OPTIONAL)	AS REQD.	COSMETIC COVER SEAL MELTPOINT	_	-	AR EERS UNS FLOI FLOI
	F-021 (OF HOTAL)	AS ILLED.	OOSMETTO OOVER SELEMENT SITT			MI,
М1	HC200-M01	1/ CORNER	FRAME SMALL CORNER LOCK	ST. STEEL	16 GA.	- 2 2 5 -
М2	HC200-M02	3/ CORNER	VENT CORNER LOCK	ST. STEEL	16 GA.	₹ 3 8 2 4
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		/DW. (L.M.I
М6	HC200-M06	1/ CORNER	RIGHT HAND FRAME CORNER LOCK	6063-T6	_	
М7	HC200-M07		ALUMINUM SNUBBER	_	_	111 < 11
м8	P-030		NYLON CAM	_	_	AENT (305)
М9	P#12206	_	NYLON SNUBBERS	-	_	(3
м10		2/ LITE	1/8" X 3/4" SETTING BLOCK, AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A	CASEMENT C E FAX. (305)
M12	HC200-M08	_	GUIDE HOUSING	ALUMINUM	-	
M13	P-031	_	SHIM ANTI FRICTION	PLASTIC		
H1	CD25	_	9.5" SINGLE ARM OPERATOR	ST/ST	ROTO HARDWARE	33142 323142 33142 638-5151
Н3	CB304	1/ WDW.	SURFACE MOUNT OPERATOR	_	ROTO HARDWARE) . ñ
H4	CB253	1	8.5 MM. OPERATOR BOTTOM SPACER	-	ROTO HARDWARE	HC200 NOGL N.W. 1, FL. 305) 63
H5	CB201	1	OPERATOR TOP SPACER	_	ROTO HARDWARE	S HC2 CNO O N. MI, FI (305)
H7	L1305-2111	3	KEEPERS	ST/ST	ROTO HARDWARE	
н8	GT553	_	GUIDE HOUSING		ROTO HARDWARE	TEL.
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		2 EE 2 2 EE
H13	M1000		#8-32X 3/4" LG. PHL. FH. THREAD CUTTING (ANCHOR ARM)	ST/ST		SH 7 F 10 F 10 SH 1
H14	W. 1 000	2	4 BAR HINGE		TRUTH OR BRONZE CRAFT	201 201 201 202 202 1HIS
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S2		_	#10 X 3/8" LG. PH. PHL. SMS. (ARM-FRAME)	ST/ST		ATED CHAN ATED ATED CHAN
S3			#10 X 1/2" LG. PH. PHL. SMS. (ARM-VENT)	ST/ST		NO (NO UPD)
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		Tevisions: no date E 01.20.15 F 12.21.15 G 03.19.18 H 12.10.20 i 09.11.23
		I	#10 X 1/2" LG. PHL. FH. SMS.	ST/ST	-	
S7			#6 X 1/2" LG. PH. SMS. ST/ST AT ALUM. SNUBBER			11 ST D 12 ST 25 ST 28

PRODUCT REVISED
As complying with the Florida
Building Code 23-0928.13 SEP 2 0 2023 NOA-No.

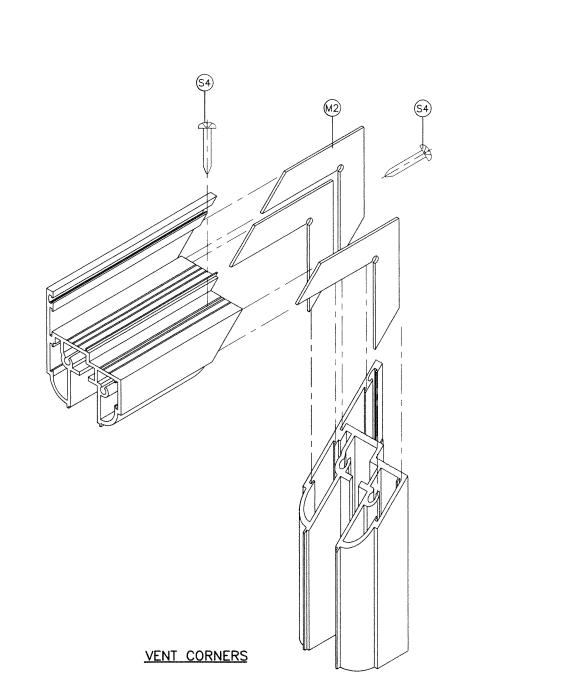
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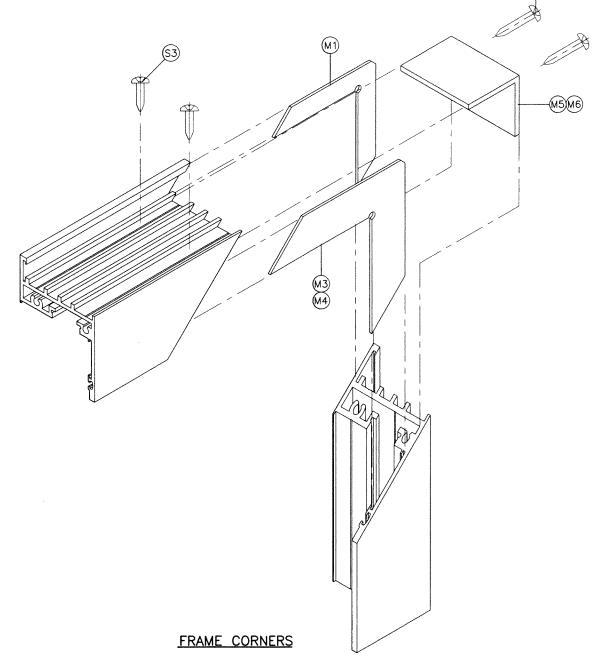
By: Manuel Pers

Miami-Dade Product Control

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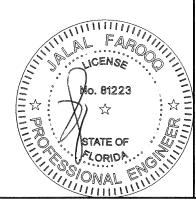
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PRODUCT REVISED
As complying with the Florida
Building Code

NOA-No. 23-0928.13 (SP 2) 232)
Expiration Date: 06/30/2025
By: Manuel Pres Miami-Dade Product Control



AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220
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ENT WDW. (L.M.I.)

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