



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/building

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

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 "HR2600" Aluminum Horizontal Sliding Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W06-32**, titled "Series HR2600 Alum Horizontal Sliding Wdw. (L.M.I.)", sheets 1 through 7 of 7, dated 04/18/06, with revision **H** dated 09/20/23, 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. 20-1216.04** and consists of this page 1, evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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




10/19/23

NOA No. 23-0928.17
Expiration Date: September 07, 2026
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. 06-0712.11)
2. Drawing No. **W06-32**, titled "Series HR2600 Alum Horizontal Sliding Wdw. (L.M.I.)", sheets 1 through 7 of 7, dated 04/18/06, with revision **G** dated 11/20/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 20-1216.04)

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) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Resistant Test, per FBC24.11.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of XOX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4778**, dated 01/17/06, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA No. 06-0712.11)

C. CALCULATIONS

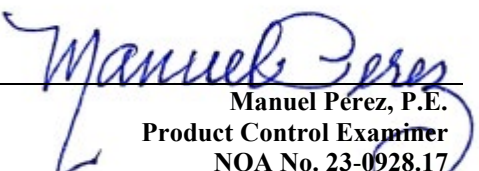
1. Anchor verification calculations complying with **FBC 7th Edition (2020)**, dated 12/14/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 20-1216.04)
2. Glazing complies with **ASTM E 1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.19** issued to **Kuraray America, Inc.** for their "SentryGlas® (Clear and White) Interlayer" dated 11/19/20, expiring on 07/04/23.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0928.17
Expiration Date: September 07, 2026
Approval Date: October 26, 2023

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)** and **FBC 7th Edition (2020)**, and of no financial interest, dated December 14, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 20-1216.04)
2. Laboratory compliance letter for Test Report No. **FTL-4778**, issued by Fenestration Testing Laboratory, Inc., dated 02/28/06, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA No. 06-0712.11)

G. OTHERS

1. Notice of Acceptance No. **18-0301.13**, issued to Tecnoglass, LLC for their Series "HR-2600" Aluminum Horizontal Sliding Window – L.M.I., approved on 05/17/18 and expiring on 09/07/21.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0928.17
Expiration Date: September 07, 2026
Approval Date: October 26, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W06-32**, titled “Series HR2600 Alum Horizontal Sliding Wdw. (L.M.I.)”, sheets 1 through 7 of 7, dated 04/18/06, with revision **H** dated 09/20/23, 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

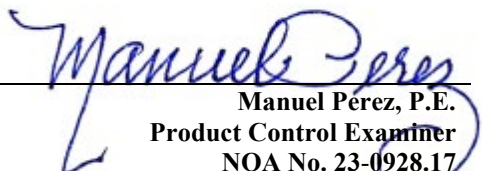
1. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their “SentryGlas® (Clear and White) Glass Interlayers” dated 12/15/22, expiring on 07/04/28.

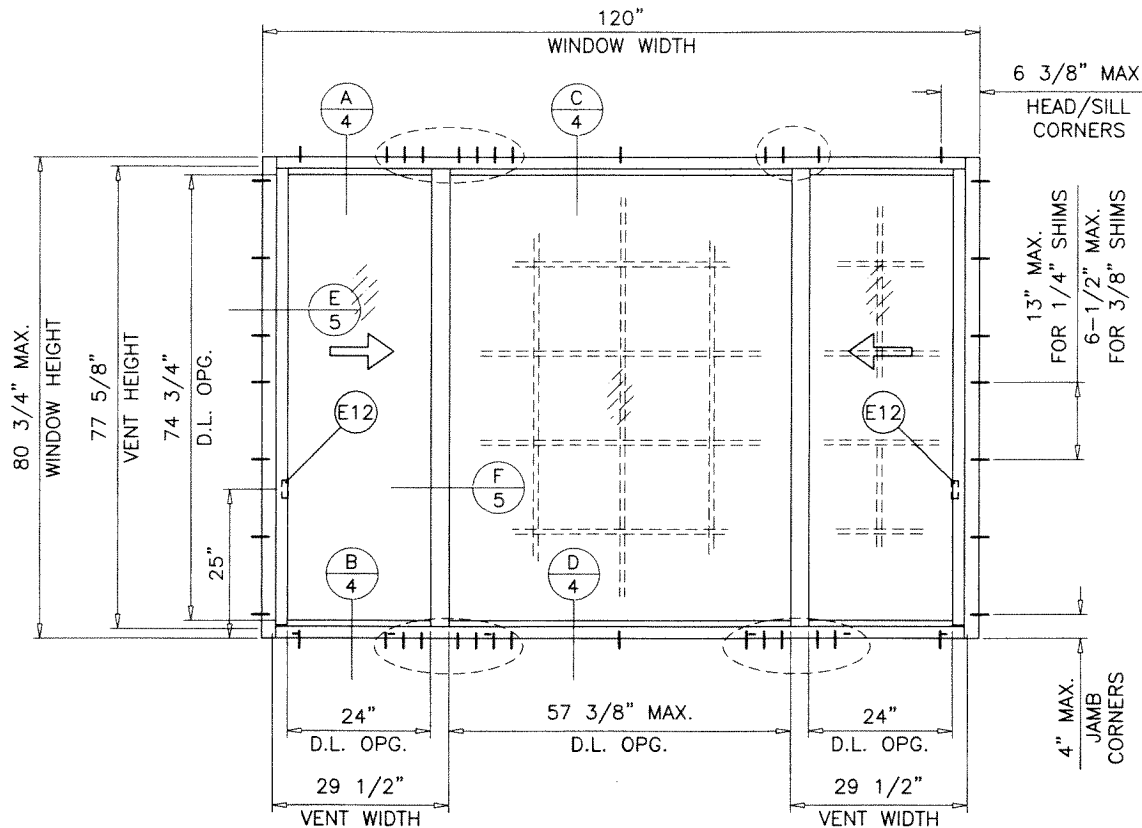
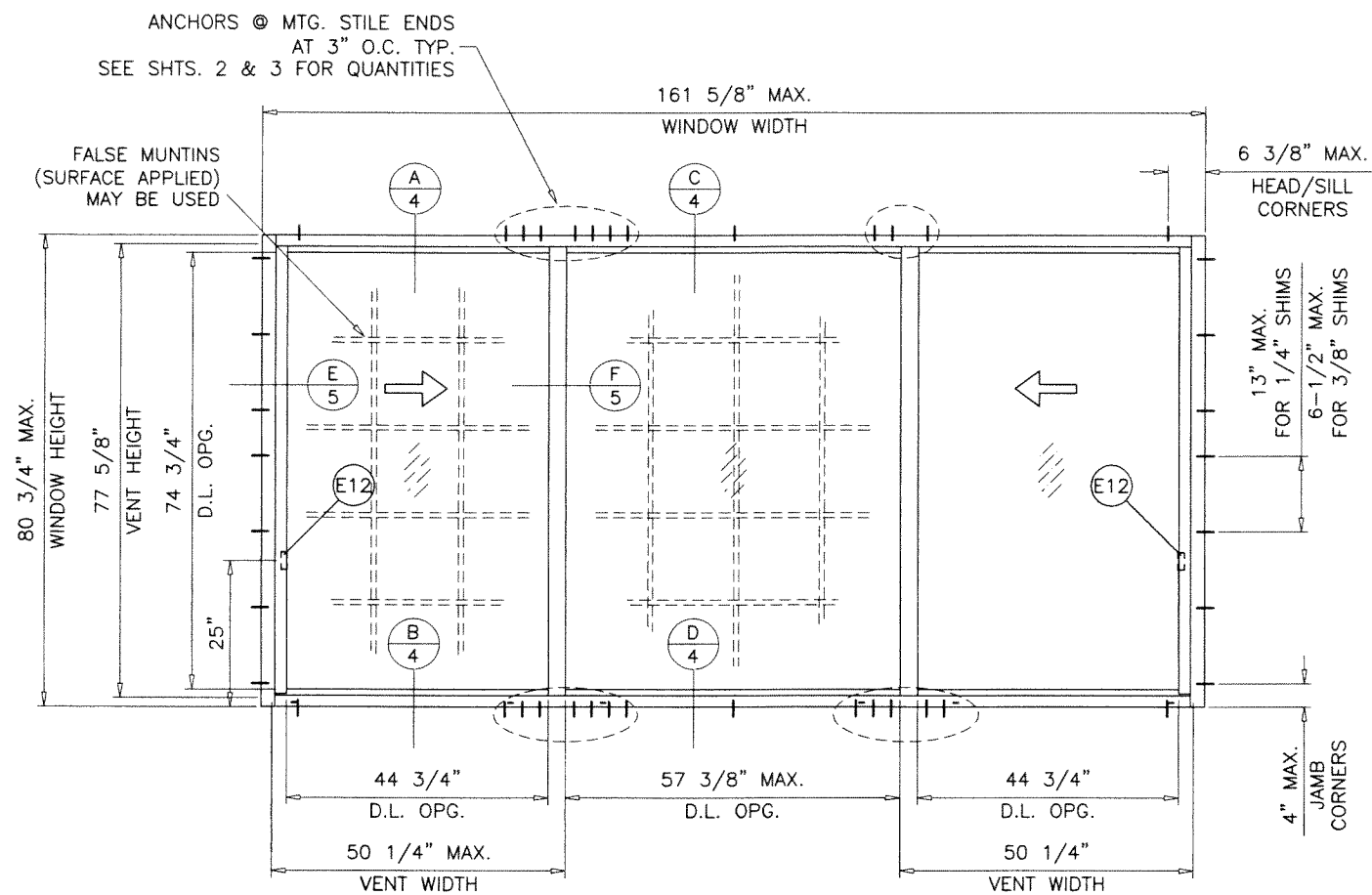
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, with **FBC 8th Edition (2023)** and of no financial interest, dated September 26, 2023, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

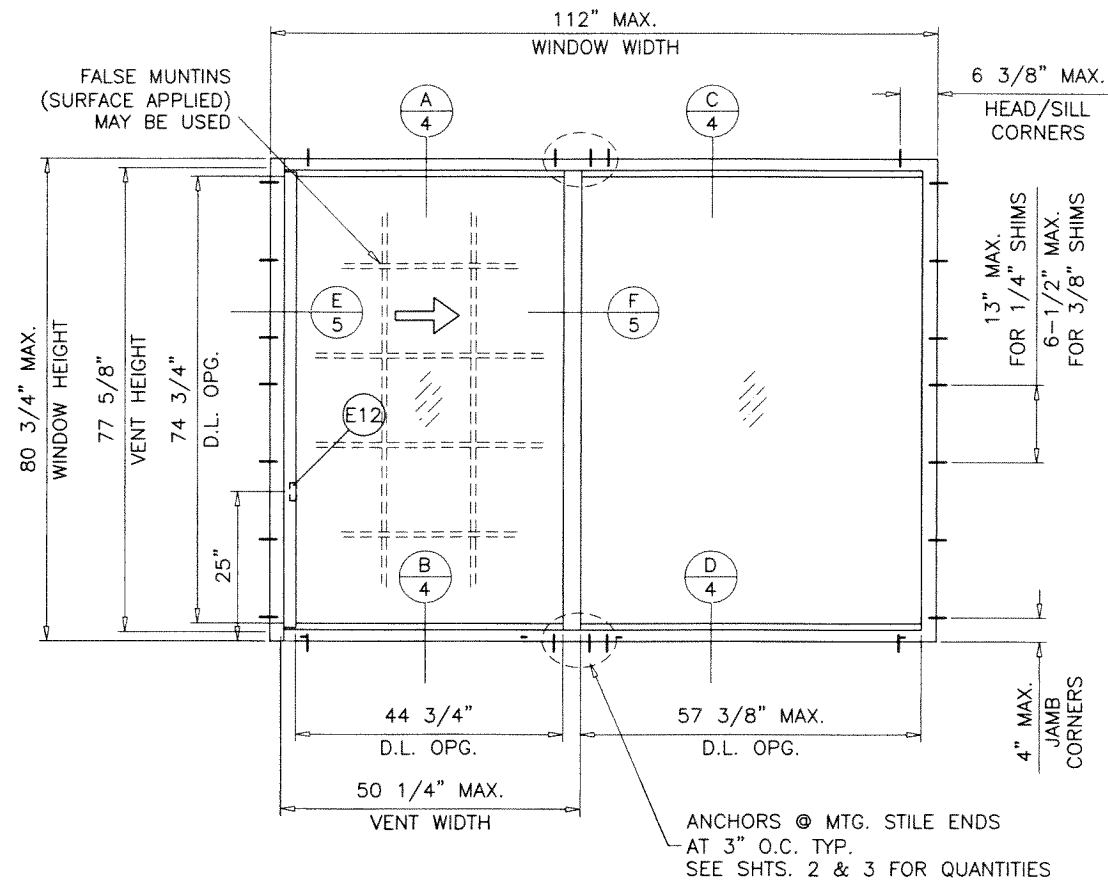
G. OTHERS

1. Notice of Acceptance No. **20-1216.04**, issued to Tecnoglass, LLC for their Series “HR-2600” Aluminum Horizontal Sliding Window - L.M.I., approved on 04/01/21 and expiring on 09/07/26.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0928.17
Expiration Date: September 07, 2026
Approval Date: October 26, 2023



TYPICAL ELEVATIONS



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

SERIES HR2600

ALUMINUM HORIZONTAL SLIDING WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER
CHARTS SHOWN ON SHEETS 2 & 3.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE

COMBINATIONS OF H.S./H.S. OR HORIZONTAL SLIDING 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).

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.

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)'.

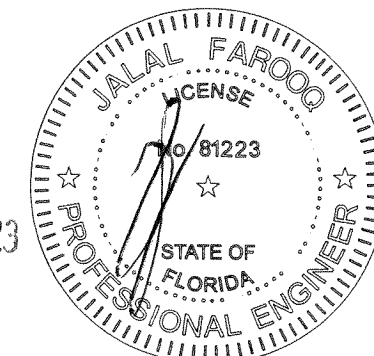
PRODUCT REVISED
As complying with the Florida
Building Code

NOA-No. **23-0928.17**

Expiration Date: **09/07/2026**

By: *Manuel Perez*
Miami-Dade Product Control

**LAMINATED GLASS
LARGE MISSILE IMPACT**



SEP 22 2023

SERIES HR2600 ALUM HORIZONTAL SLIDING WDW (L.M.I.)

TECNOGLASS, LLC

3550 N.W. 49 STREET

MIAMI, FL. 33142

TEL. (305) 638-5151 FAX. (305) 638-5158

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

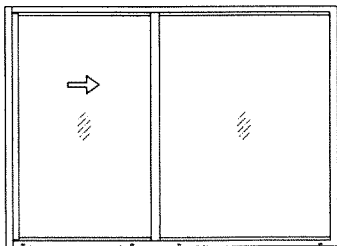
COMP-ANL\W06-32RC

Revisions:		date	by	description
E	01.29.16			UPDATED TO 2014 FBC
F	02.15.18			UPDATED TO 2017 FBC
G	11.20.20			UPDATED TO 2020 FBC
H	09.20.23			UPDATED TO 2023 FBC

date:	04-18-06
scale:	3/8"=1'-0"
dr. by:	TARIQ
chk. by:	

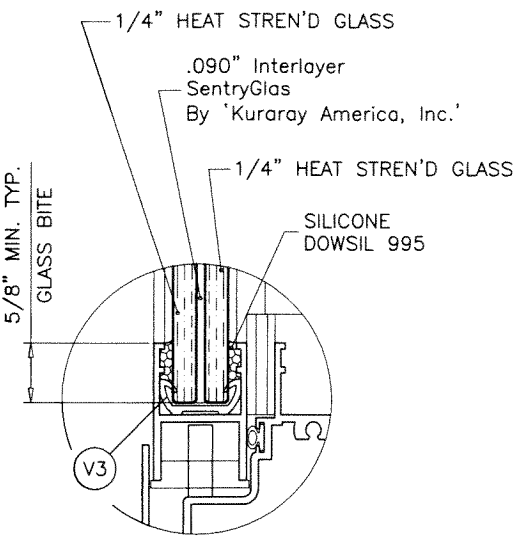
drawing no.	W06-32
sheet	1 of 7

DESIGN LOAD CAPACITY – PSF (XO OR OX SIZES)										
WINDOW DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'					
		3/8" SHIM SPACE			1/4" SHIM SPACE			3/8" SHIM SPACE		
		A4	A6	A7	B3	B4	B5	B6	B7	B8
WIDTH	HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
36"	36"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
112"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"	48"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		116.0	120.0	120.0	110.7	120.0	120.0	120.0	120.0	120.0
112"		111.9	120.0	120.0	106.7	120.0	120.0	119.6	120.0	120.0
36"	60"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		119.3	120.0	120.0	113.8	120.0	120.0	120.0	120.0	120.0
96"		104.4	120.0	120.0	99.6	120.0	120.0	111.6	120.0	120.0
108"		92.8	120.0	120.0	88.5	118.0	120.0	99.2	115.7	120.0
112"		89.5	120.0	120.0	85.4	113.8	120.0	95.7	111.6	120.0
36"	72"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		116.0	120.0	120.0	110.7	120.0	120.0	120.0	120.0	120.0
84"		99.4	120.0	120.0	94.9	120.0	120.0	106.3	120.0	120.0
96"		87.0	120.0	120.0	83.0	110.7	120.0	93.0	108.5	120.0
108"		77.3	116.0	120.0	73.8	98.4	120.0	82.7	96.4	110.2
112"		74.6	111.9	120.0	71.1	94.9	118.6	79.7	93.0	106.3
36"	80-3/4"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	118.4	120.0	120.0	120.0	120.0	120.0
72"		103.4	120.0	120.0	98.7	120.0	120.0	110.6	120.0	120.0
84"		88.7	120.0	120.0	84.6	112.8	120.0	94.8	110.6	120.0
96"		77.6	116.4	120.0	74.0	98.7	120.0	82.9	96.7	110.6
108"		69.0	103.4	120.0	65.8	87.7	109.6	73.7	86.0	98.3
112"		66.5	99.7	116.4	63.4	84.6	105.7	71.1	82.9	94.8



ANCHORS TYPES: SEE SHEET 4 FOR DESCRIPTION

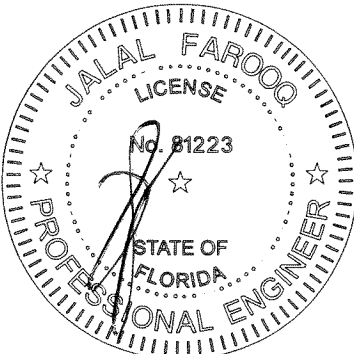
A4 = (4) ANCHORS TYPE 'A' AT MTG. STILE ENDS
A6 = (6) ANCHORS TYPE 'A' AT MTG. STILE ENDS
A7 = (7) ANCHORS TYPE 'A' AT MTG. STILE ENDS
B3 = (3) ANCHORS TYPE 'B' AT MTG. STILE ENDS
B4 = (4) ANCHORS TYPE 'B' AT MTG. STILE ENDS
B5 = (5) ANCHORS TYPE 'B' AT MTG. STILE ENDS
B6 = (6) ANCHORS TYPE 'B' AT MTG. STILE ENDS
B7 = (7) ANCHORS TYPE 'B' AT MTG. STILE ENDS
B8 = (8) ANCHORS TYPE 'B' AT MTG. STILE ENDS



GLAZING DETAIL

D.L. OPG. DIMENSIONS
MAXIMUM WIDTH = 57-3/8"
MAXIMUM HEIGHT = 74-3/4"

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-0928.17
Expiration Date: 09/07/2026
By: Manuel Perez
Miami-Dade Product Control



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

SEP 22 2023

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

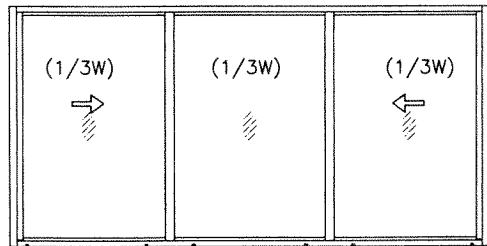
SERIES HR2600 ALUM HORIZONTAL SLIDING WDW.(L.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	by	description
E	01.29.16		UPDATED TO 2014 FBC
F	02.15.18		UPDATED TO 2017 FBC
G	11.20.20		UPDATED TO 2020 FBC
H	09.20.23		NO CHANGE THIS SHEET

date: 04-18-06
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W06-32
sheet 2 of 7

DESIGN LOAD CAPACITY - PSF (XOX SIZES)										
WINDOW DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'					
		3/8" SHIM SPACE			1/4" SHIM SPACE			3/8" SHIM SPACE		
		A4	A6	A7	B3	B4	B5	B6	B7	B8
WIDTH	HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
84"	36"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
120"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
132"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
144"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
156"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
161-5/8"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"	48"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
120"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
132"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
144"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
156"		120.0	120.0	120.0	114.9	120.0	120.0	120.0	120.0	120.0
161-5/8"		116.3	120.0	120.0	110.9	120.0	120.0	120.0	120.0	120.0
84"	60"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
120"		120.0	120.0	120.0	119.5	120.0	120.0	120.0	120.0	120.0
132"		113.9	120.0	120.0	108.7	120.0	120.0	120.0	120.0	120.0
144"		104.4	120.0	120.0	99.6	120.0	120.0	111.6	120.0	120.0
156"		96.4	120.0	120.0	91.9	120.0	120.0	103.0	120.0	120.0
161-5/8"		93.0	120.0	120.0	88.7	118.3	120.0	99.4	116.0	120.0
84"	72"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		116.0	120.0	120.0	110.7	120.0	120.0	120.0	120.0	120.0
120"		104.4	120.0	120.0	99.6	120.0	120.0	111.6	120.0	120.0
132"		94.9	120.0	120.0	90.5	120.0	120.0	101.5	118.4	120.0
144"		87.0	120.0	120.0	83.0	110.7	120.0	93.0	108.5	120.0
156"		80.3	120.0	120.0	76.6	102.2	120.0	85.8	100.2	114.5
161-5/8"		77.5	116.3	120.0	73.9	98.6	120.0	82.9	96.7	110.5
84"	80-3/4"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		116.4	120.0	120.0	111.0	120.0	120.0	120.0	120.0	120.0
108"		103.4	120.0	120.0	98.7	120.0	120.0	110.6	120.0	120.0
120"		93.1	120.0	120.0	88.8	118.4	120.0	99.5	116.1	120.0
132"		84.6	120.0	120.0	80.7	107.6	120.0	90.5	105.5	120.0
144"		77.6	116.4	120.0	74.0	98.7	120.0	82.9	96.7	110.6
156"		71.6	107.4	120.0	68.3	91.1	113.9	76.5	89.3	102.1



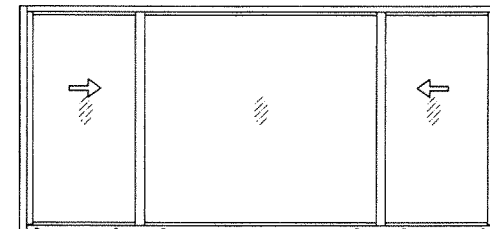
OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

ANCHORS TYPES: SEE SHEET 4 FOR DESCRIPTION

- A4 = (4) ANCHORS TYPE 'A' AT MTG. STILE ENDS
A6 = (6) ANCHORS TYPE 'A' AT MTG. STILE ENDS
A7 = (7) ANCHORS TYPE 'A' AT MTG. STILE ENDS
B3 = (3) ANCHORS TYPE 'B' AT MTG. STILE ENDS
B4 = (4) ANCHORS TYPE 'B' AT MTG. STILE ENDS
B5 = (5) ANCHORS TYPE 'B' AT MTG. STILE ENDS
B6 = (6) ANCHORS TYPE 'B' AT MTG. STILE ENDS
B7 = (7) ANCHORS TYPE 'B' AT MTG. STILE ENDS
B8 = (8) ANCHORS TYPE 'B' AT MTG. STILE ENDS

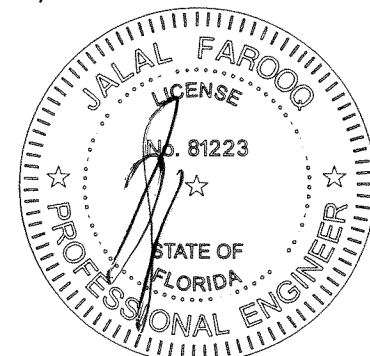
DESIGN LOAD CAPACITY - PSF (XOX SIZES)										
WINDOW DIMS.		ANCHORS TYPE 'A'		ANCHORS TYPE 'B'						
		3/8" SHIM SPACE		1/4" SHIM SPACE			3/8" SHIM SPACE			
		A4	A6	B3	B4	B5	B6	B7	B8	
WIDTH	HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
84"	36"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
120"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
132"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
144"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
156"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
161-5/8"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"	48"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
120"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
132"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
144"		116.0	120.0	110.7	120.0	120.0	120.0	120.0	120.0	120.0
156"		107.1	120.0	102.2	120.0	120.0	114.5	120.0	120.0	120.0
161-5/8"		103.4	120.0	98.6	120.0	120.0	110.5	120.0	120.0	120.0
84"	60"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	118.0	120.0	120.0	120.0	120.0	120.0	120.0
120"		111.4	120.0	106.2	120.0	120.0	119.0	120.0	120.0	120.0
132"		101.2	120.0	96.6	120.0	120.0	108.2	120.0	120.0	120.0
144"		92.8	120.0	88.5	118.0	120.0	99.2	115.7	120.0	120.0
156"		85.7	120.0	81.7	109.0	120.0	91.6	106.8	120.0	120.0
161-5/8"		82.7	120.0	78.9	105.2	120.0	88.4	103.1	117.9	120.0
84"	72"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		116.0	120.0	110.7	120.0	120.0	120.0	120.0	120.0	120.0
108"		103.1	120.0	98.4	120.0	120.0	110.2	120.0	120.0	120.0
120"		92.8	120.0	88.5	118.0	120.0	99.2	115.7	120.0	120.0
132"		84.4	120.0	80.5	107.3	120.0	90.2	105.2	120.0	120.0
84"	80-3/4"	118.2	120.0	112.8	120.0	120.0	120.0	120.0	120.0	120.0
96"		103.4	120.0	98.7	120.0	120.0	110.6	120.0	120.0	120.0
108"		91.9	120.0	87.7	116.9	120.0	98.3	114.7	120.0	120.0
120"		82.7	120.0	78.9	105.3	120.0	88.5	103.2	117.9	120.0

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By: *Manuel Perez*
Miami-Dade Product Control



OPERATING VENTS TO BE 1/4 TO 1/3 OF THE WINDOW WIDTH

SEP 22 2023

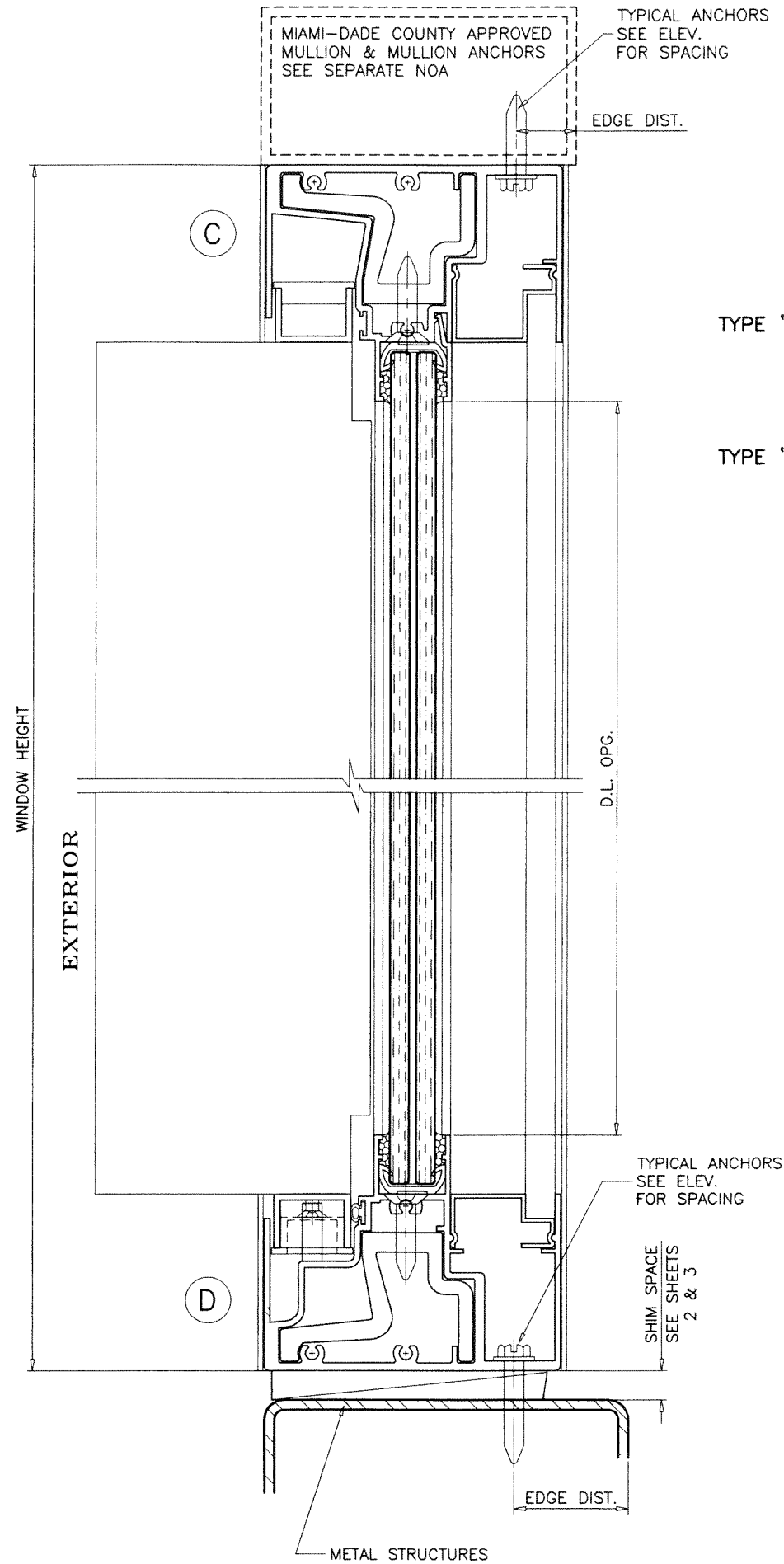
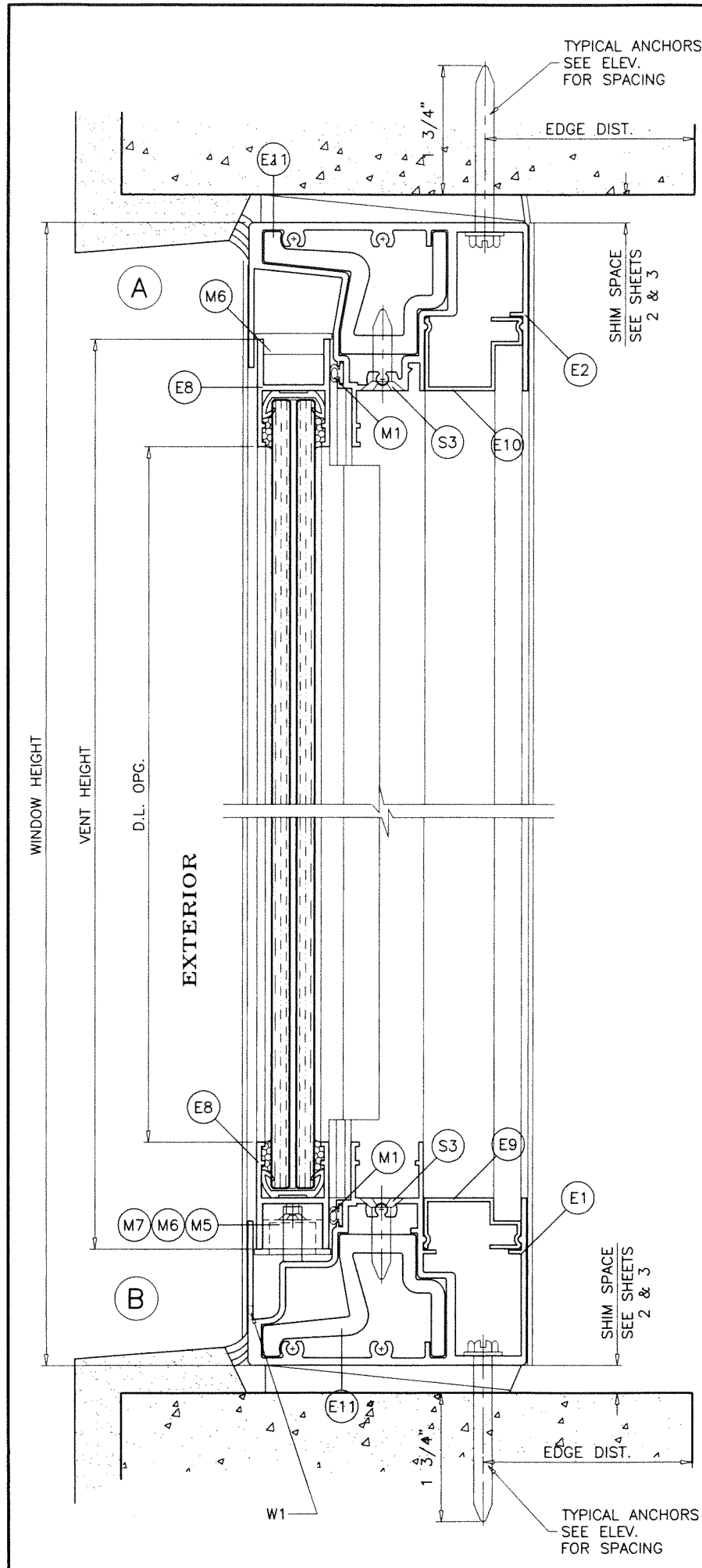


AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
FAX. (305) 262-6978
COMP-ANL\W06-32RC

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151
FAX. (305) 638-5158

revisions:
no. date by description
E 01.29.16 UPDATED TO 2014 FBC
F 02.15.18 UPDATED TO 2017 FBC
G 11.20.20 UPDATED TO 2020 FBC
H 09.20.23 NO CHANGE THIS SHEET

date: 04-18-06
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no.
W06-32
sheet 3 of 7



METAL STRUCTURE NOT BY 'TECNOGLASS'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'— **5/16" DIA. ULTRACON BY 'DEWALT'** ($F_u=177$ KSI, $F_y=155$ KSI)
DIRECTLY INTO CONC. OR BLOCKS
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-3/4" MIN. EMBED INTO BLOCKS (JAMBS)

TYPE 'B'— **1/4" DIA. TEKS OR SELF DRILLING SCREWS** (GRADE 5 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.
C-90 GROUT FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

SEALANTS:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
WHITE/ALUM COLORED SILICONE.

WEEPHOLES:

W1 = 1" X 1/4" WEEPHOLES TWO PER LITE AT 6" FROM
ENDS WITH PLASTIC BAFFLE

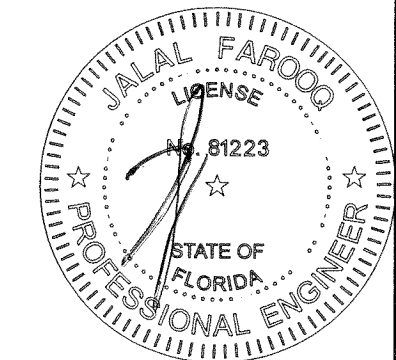
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Expiration Date: **09/07/2026**

By: *Manuel Perez*

Miami-Dade Product Control



SEP 22 2023

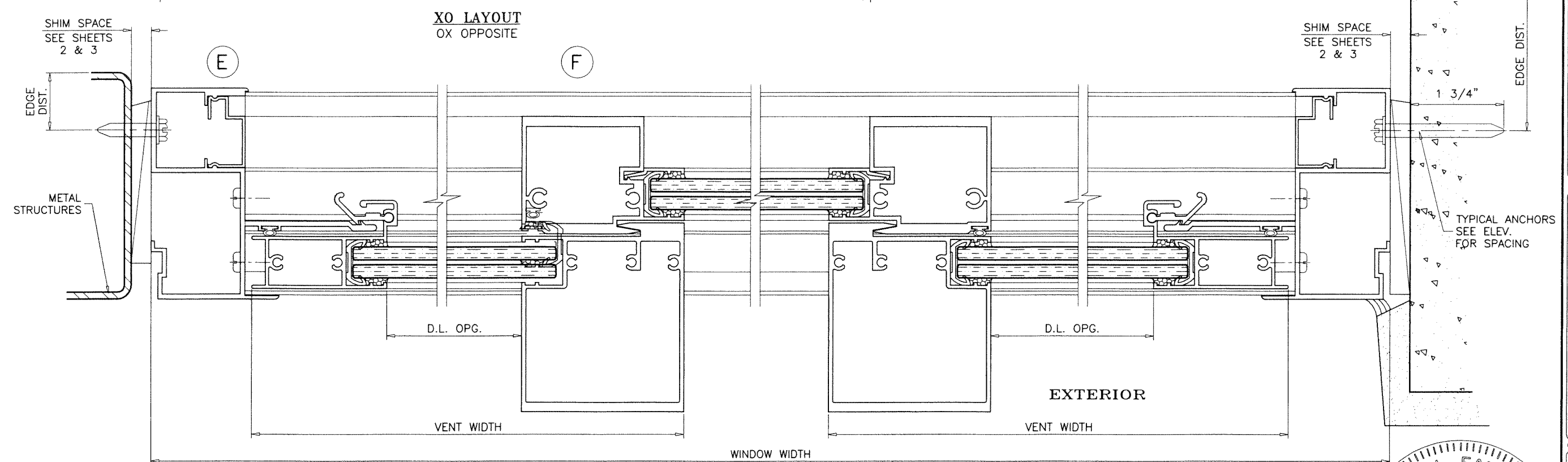
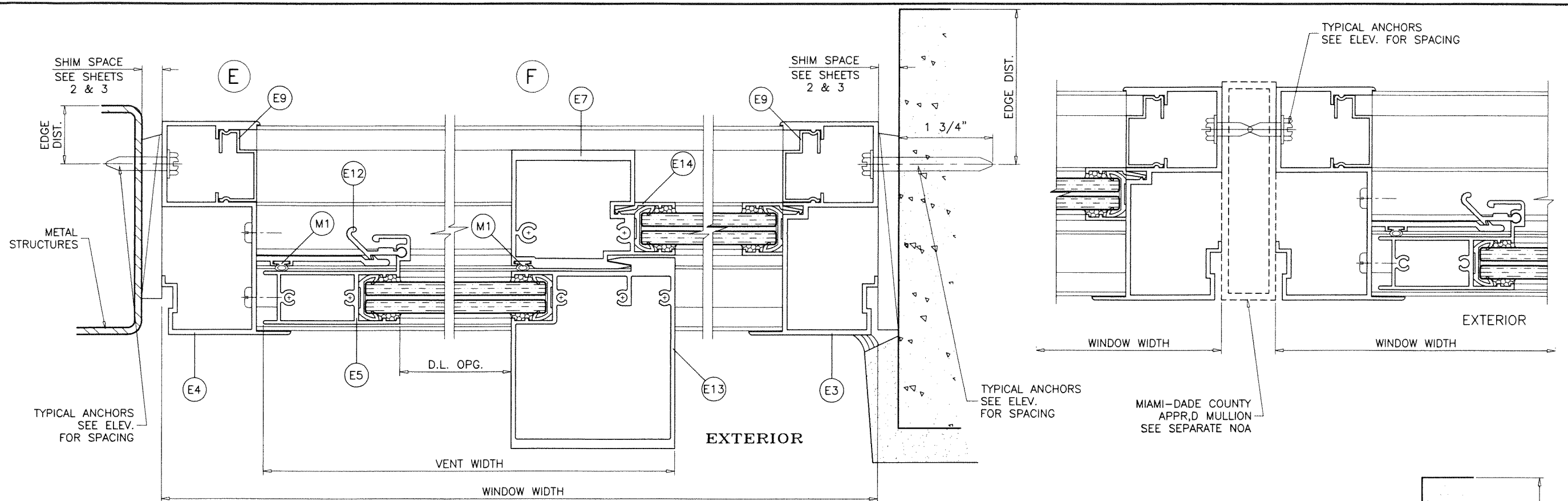
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

SERIES HR2600 ALUM HORIZONTAL SLIDING WDW (L.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

no	date	by	description
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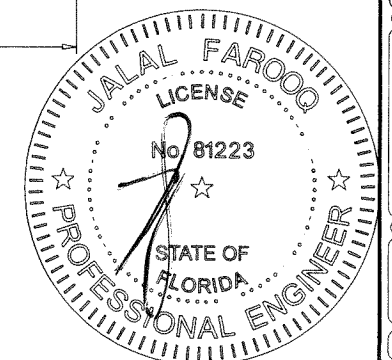
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dr. by:	TARIQ
chk. by:	

drawing no.	W06-32
sheet	4 of 7



XOX LAYOUT

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Miami-Dade Product Control



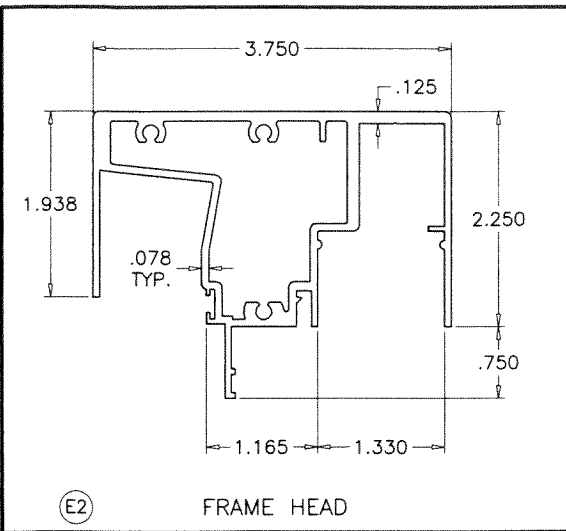
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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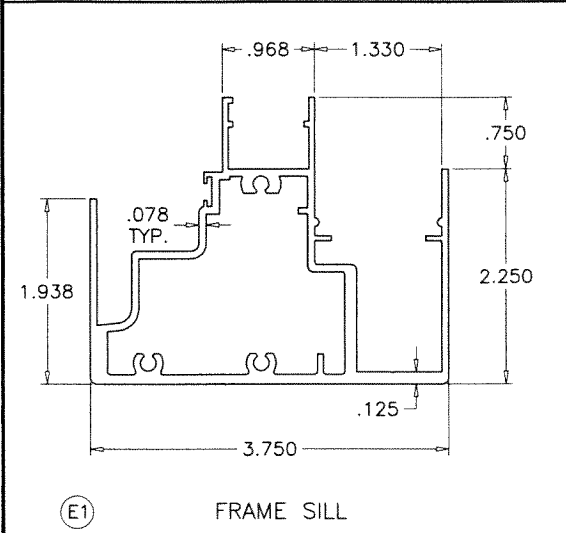
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dr. by:	TARIQ
chk. by:	

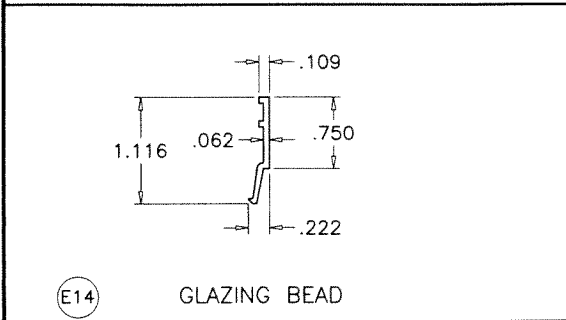
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sheet	5 of 7



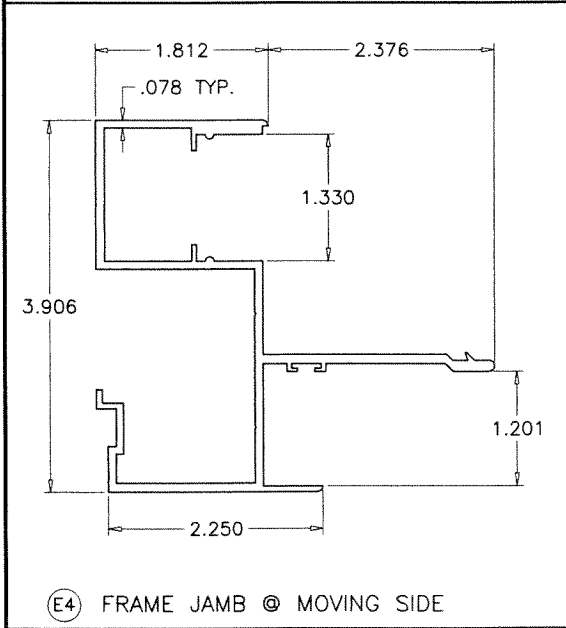
(E2) FRAME HEAD



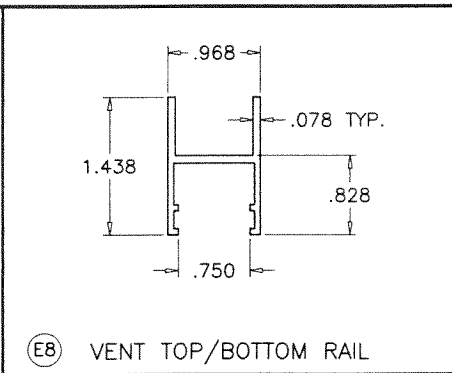
(E1) FRAME SILL



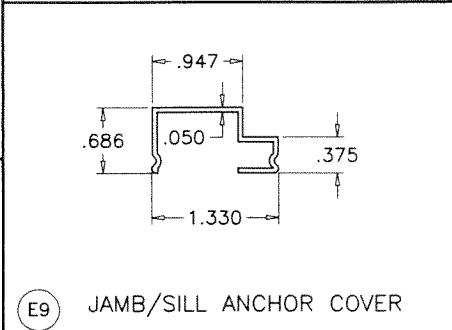
(E14) GLAZING BEAD



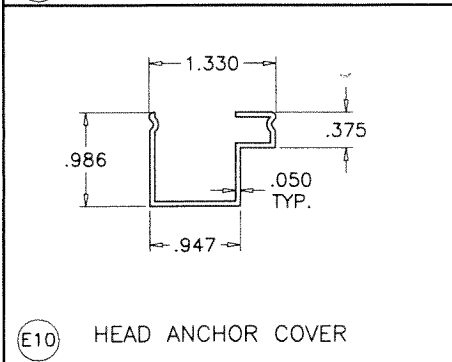
(E4) FRAME JAMB @ MOVING SIDE



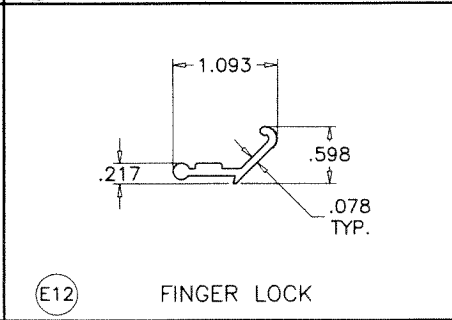
(E8) VENT TOP/BOTTOM RAIL



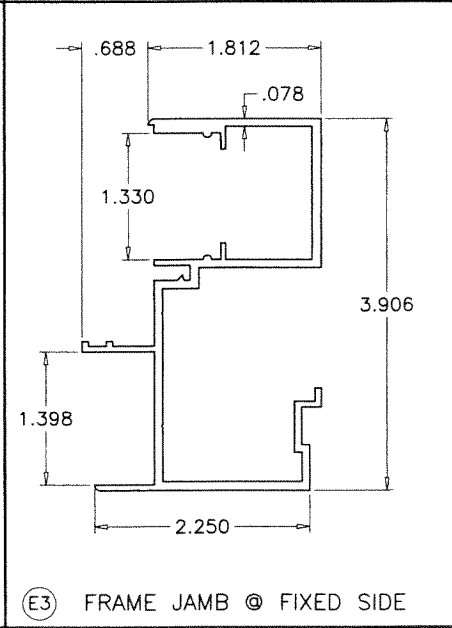
(E9) JAMB/SILL ANCHOR COVER



(E10) HEAD ANCHOR COVER

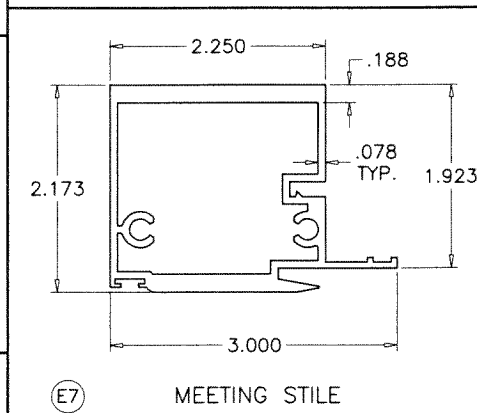


(E12) FINGER LOCK

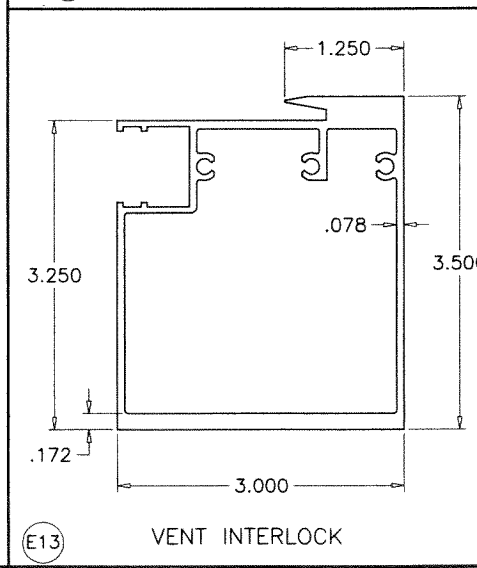


(E3) FRAME JAMB @ FIXED SIDE

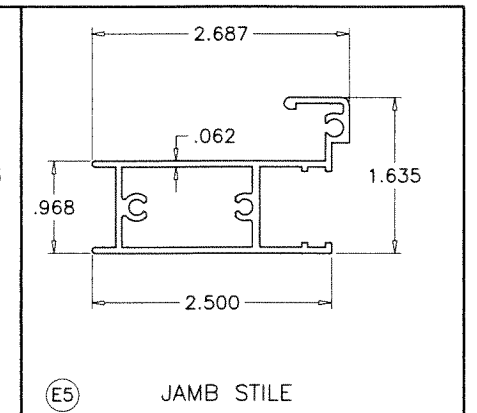
ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	HR2600-001	1	FRAME SILL	6005-T5	-
E2	HR2600-002	1	FRAME HEAD	6005-T5	-
E3	HR2600-003	AS REQD.	FRAME JAMB @ FIXED SIDE	6063-T6	-
E4	HR2600-004	AS REQD.	FRAME JAMB @ MOVING SIDE	6063-T6	-
E5	HR2600-005	1/ VENT	JAMB STILE	6063-T6	-
E7	HR2600-007	1/ VENT	FRAME MEETING STILE	6063-T6	-
E8	HR2600-008	2/ VENT	VENT TOP & BOTTOM RAIL	6063-T6	-
E9	HR2600-009	AS REQD.	SILL AND JAMB ANCHOR COVER	6005-T5	-
E10	HR2600-010	AS REQD.	HEAD ANCHOR COVER	6005-T5	-
E11	HR2600-011	AS REQD.	MEETING STILE END SUPPORT, 8" LONG	6005-T5	AT FIX. MTG. RAIL LOCATIONS
E12	HR2600-012	1/ VENT	ALUM FINGER LOCK (3" LONG)	6063-T6	-
E13	HR2600-013	1/ VENT	VENT INTERLOCK	6005-T5	-
E14	500Y-007	AS REQD.	GLAZING BEAD	6063-T6	-
V3	V-051	AS REQD.	MARINE GLAZING	TPE	DUROMETER 75±5, SHORE A
S1	#10 X 1"	AS REQD.	FRAME ASSEMBLY SCREWS	ST/ST	PH. PHL. SMS POINT "B"
S2	#14 X 3/4"	AS REQD.	MEETING STILE ASSEMBLY SCREWS	ST/ST	PH. SMS POINT "B"
S3	#14 X 1"	2/ SUPPORT	MEETING STILE END SUPPORT ASSEMBLY SCREWS	ST/ST	FH. SMS
S5	#10 X 1"	AS REQD.	VENT ASSEMBLY SCREWS	ST/ST	FH. SMS
M1	Q-270X300	AS REQD.	FABRIC COATED FOAM W'STRIPPING	-	Q-LON
M4	-	3/ FIX. LITE	1/8" X 1/2" X 4" LG. SETTING BLOCK AT SILL	-	AT 6" FROM ENDS & MIDSPAN
M5	P-024	2/ VENT	WHEEL	NYLON	-
M6	P-032	2/ VENT	WHEEL RETAINER HOUSING	PLASTIC	-
M7	RS100-M01	-	KNURLED PIN AXLE	ST/ST	-
M8	66900-001	-	PLASTIC WEEP HOLE FLAP	-	-



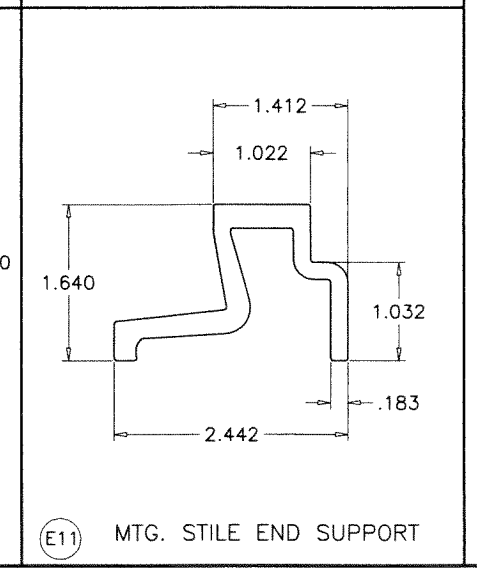
(E7) MEETING STILE



(E13) VENT INTERLOCK



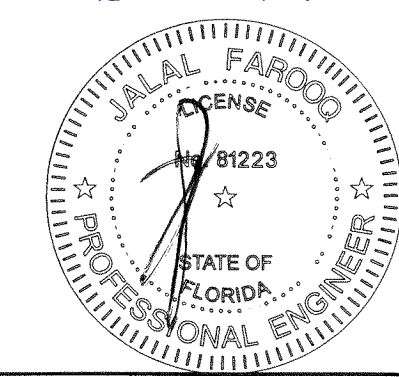
(E5) JAMB STILE



(E11) MTG. STILE END SUPPORT

SEP 22 2023

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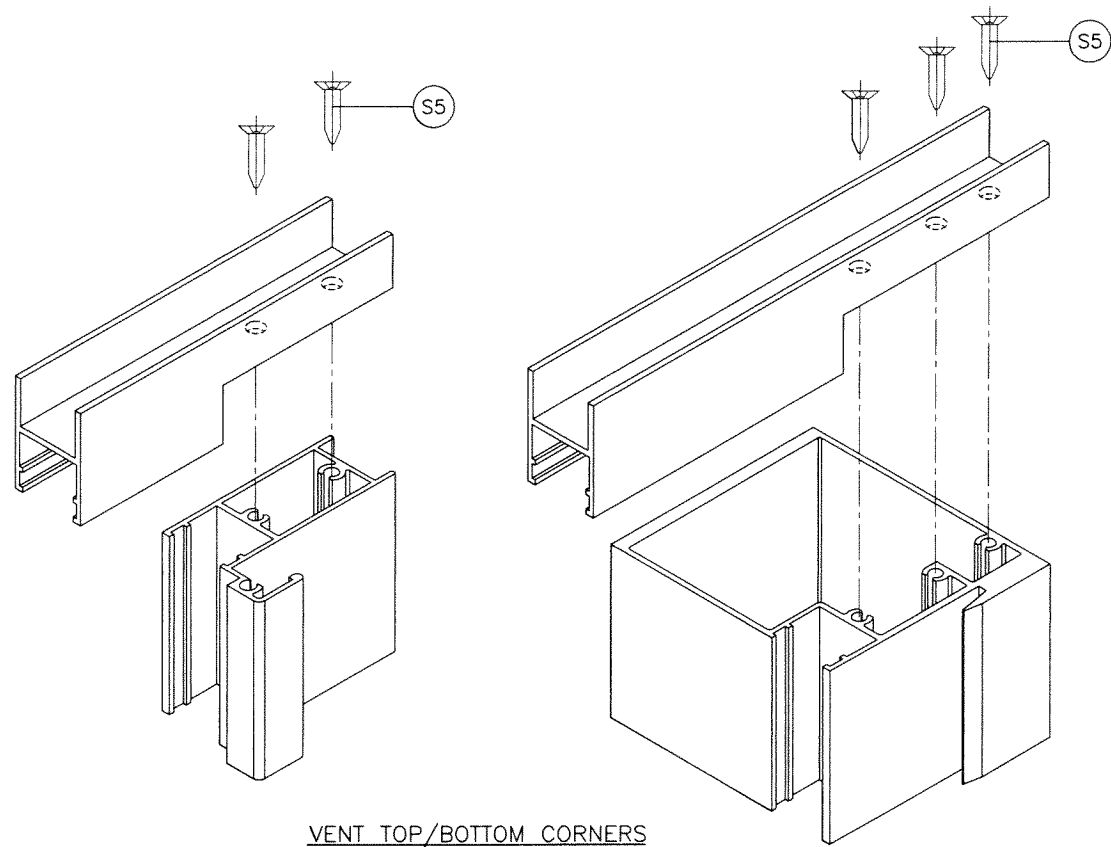
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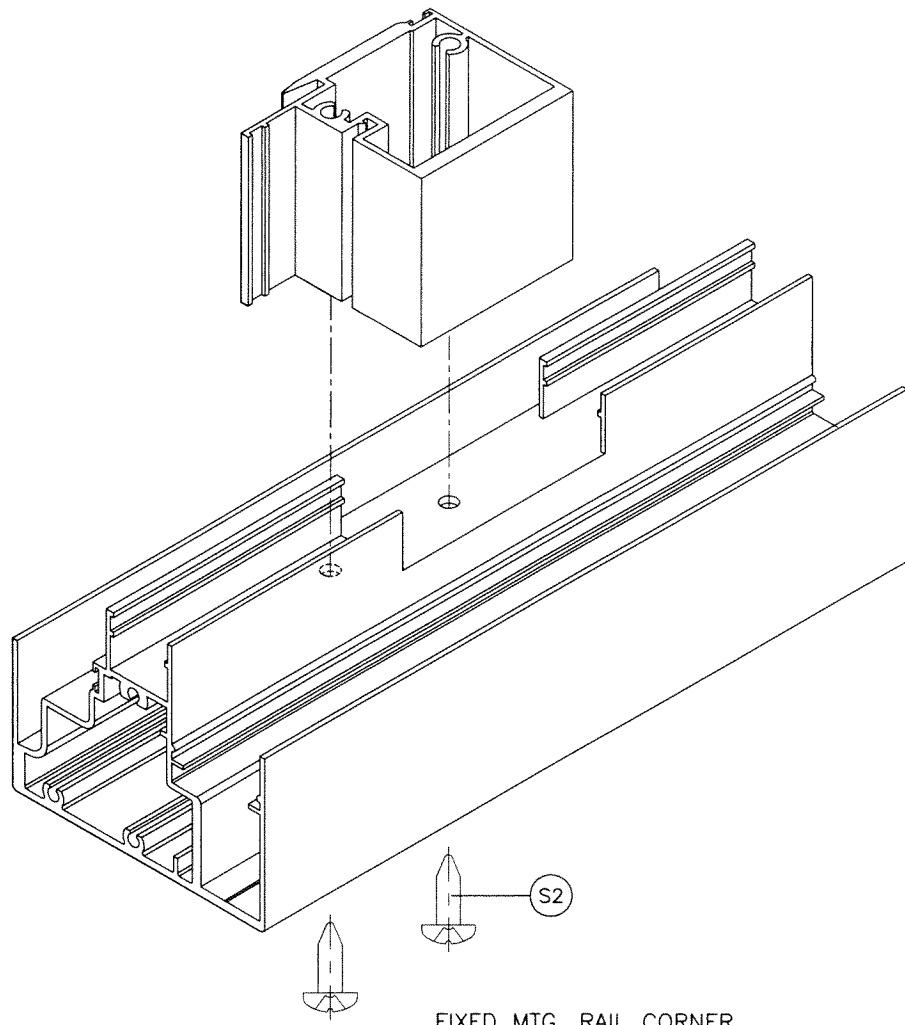
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chk. by:

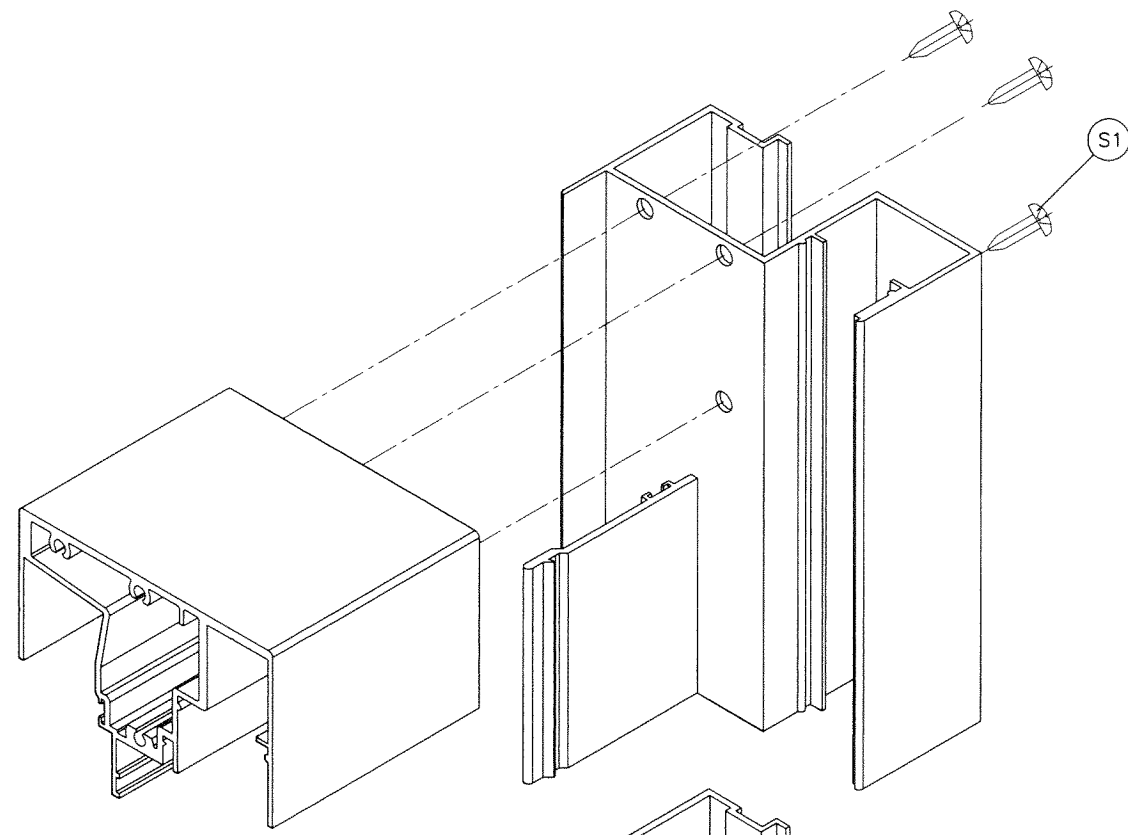
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W06-32
sheet 6 of 7



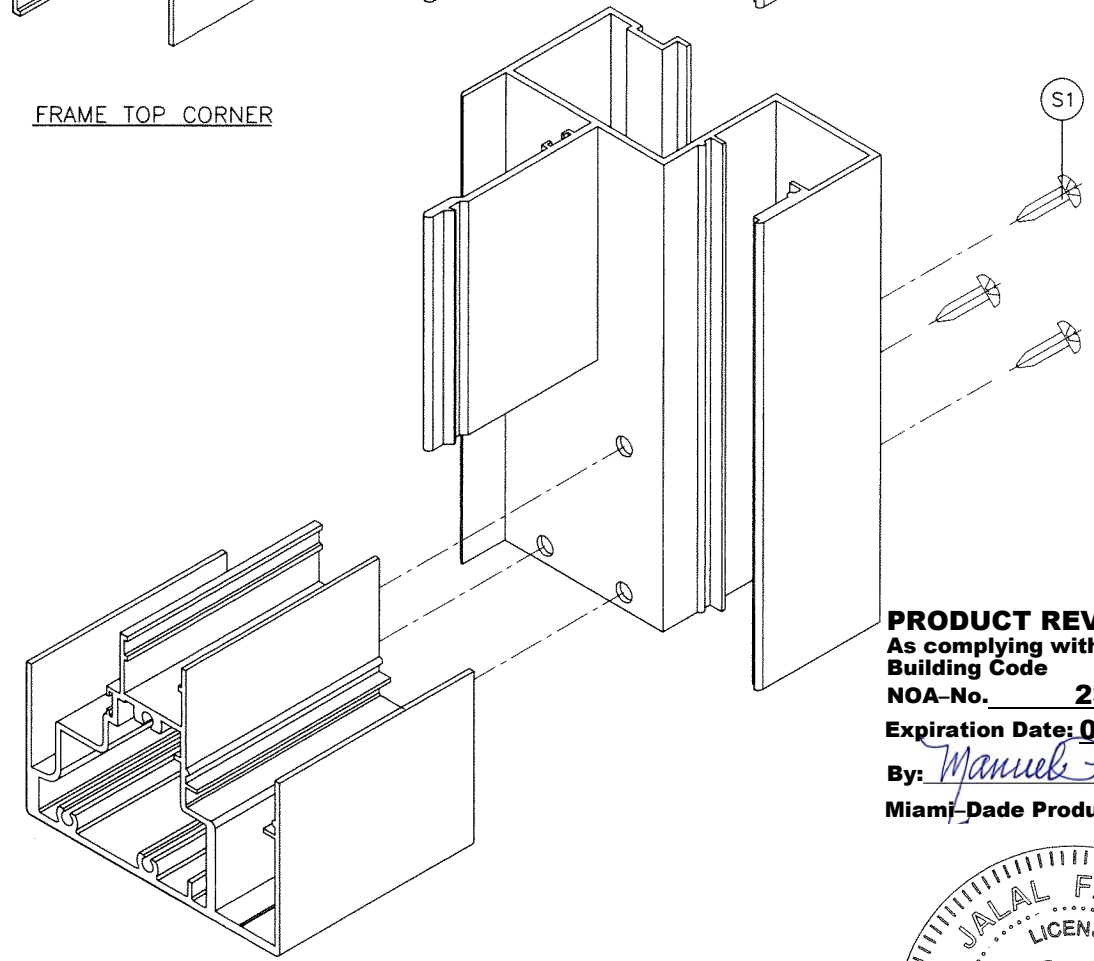
VENT TOP/BOTTOM CORNERS



FIXED MTG. RAIL CORNER



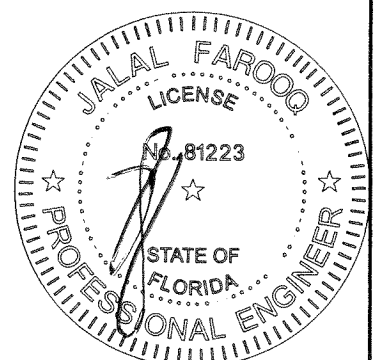
FRAME TOP CORNER



FRAME BOTTOM CORNER

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