



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

Tecnoglass, LLC
5220 NW 49th 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 "HR-2600" 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 E dated 01/29/16, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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, city, state, 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 and renews** NOA No. 14-0807.13 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 **Manuel Perez, P.E.**



MP
6/17/16

NOA No. 16-0309.06
Expiration Date: September 07, 2021
Approval Date: June 23, 2016
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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 E dated 01/29/16, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

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 Test, per FBC 2411.3.2.1, and TAS 202-94along 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 and structural analysis, complying with **FBC-5th Edition (2014)**, dated 11/30/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 16-0309.06

Expiration Date: September 07, 2021

Approval Date: June 23, 2016

Tecnoglass, LLC

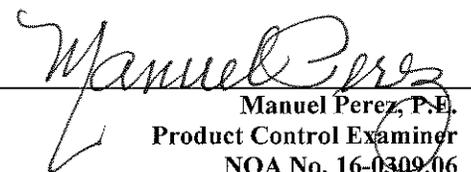
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, and of no financial interest, dated February 25, 2016, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
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. **14-0807.13**, issued to Tecnoglass, LLC for their Series "HR-2600" Aluminum Horizontal Sliding Window – L.M.I., approved on 09/04/14 and expiring on 09/07/16.

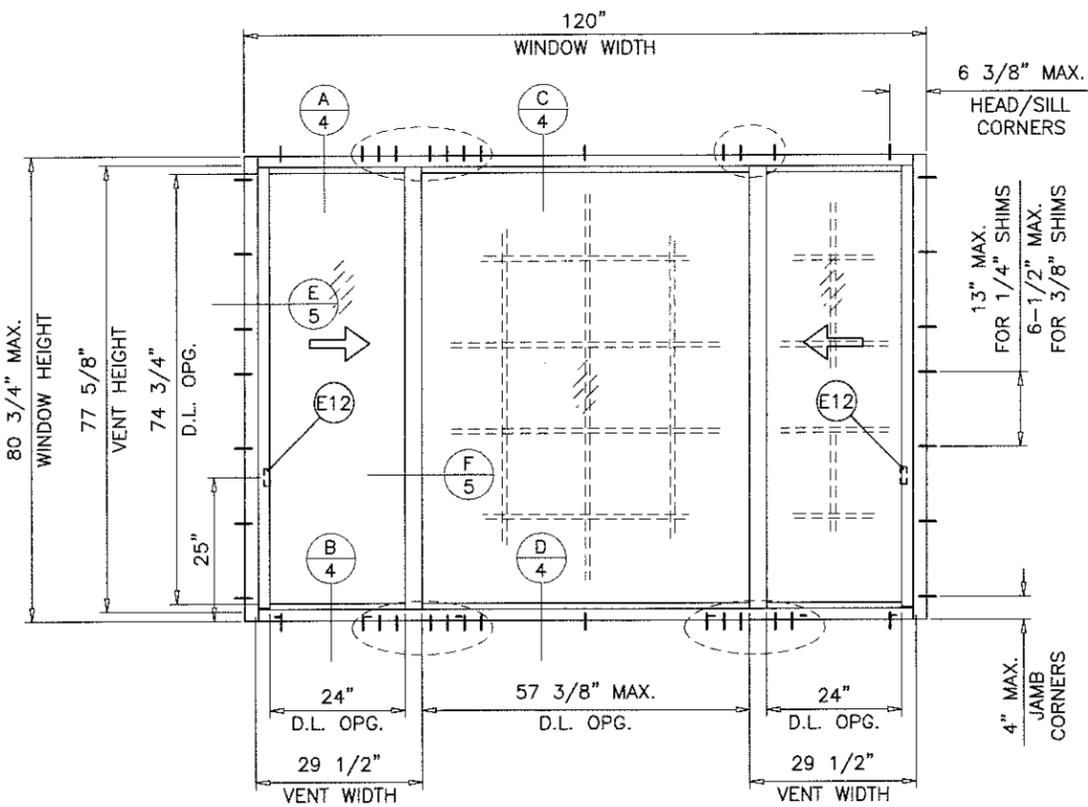
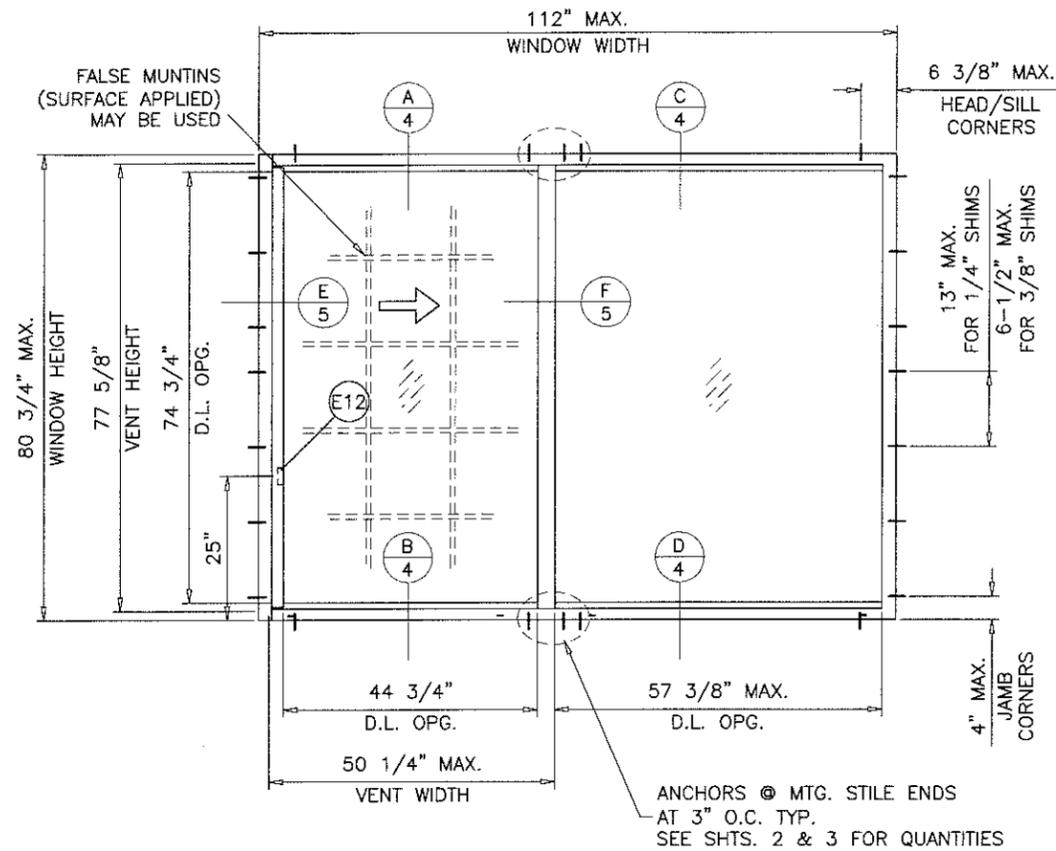
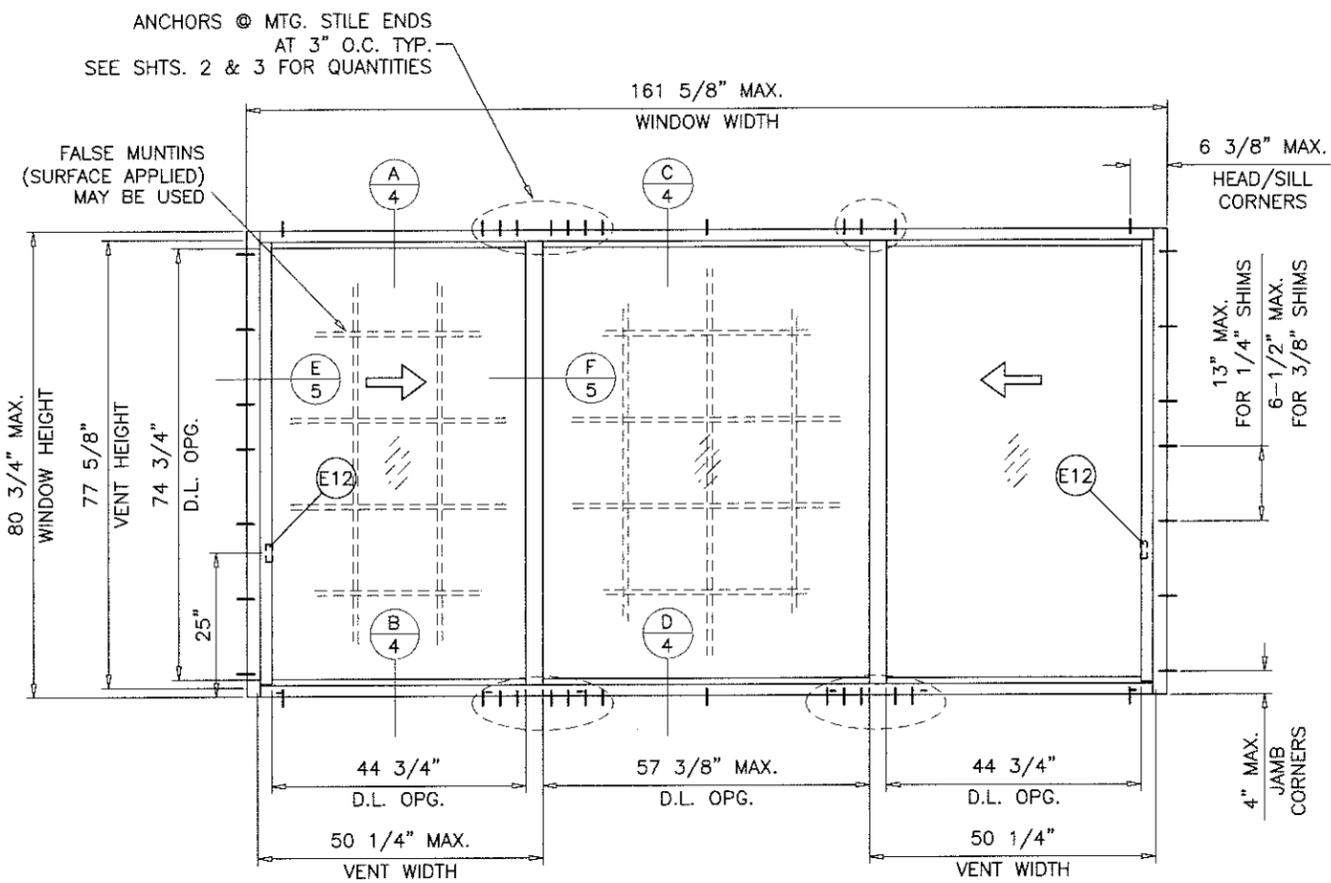

Manuel Perez, P.E.

Product Control Examiner

NOA No. 16-0309.06

Expiration Date: September 07, 2021

Approval Date: June 23, 2016



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 2014 (5TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

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 2014 FLORIDA BUILDING CODE.

LAMINATED GLASS
LARGE MISSILE IMPACT

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538




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

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

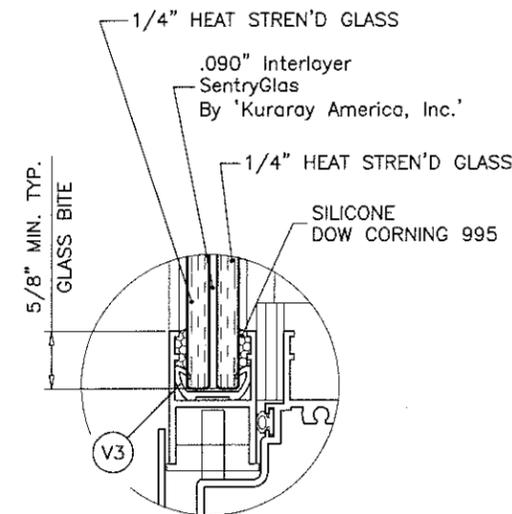
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A	07.24.09	UPDATED FOR 2007 FBC	
B	05.10.11	ENGR NAME CHANGED	
C	02.16.12	UPDATED TO 2010 FBC	
D	08.01.14	MANUF. NAME REV.	
E	01.29.16	UPDATED TO 2014 FBC	

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

drawing no.
W06-32

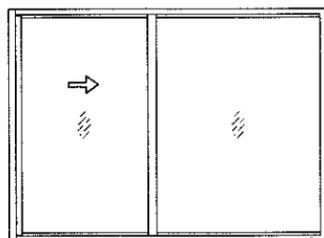
DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)

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.(-)								
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	



GLAZING DETAIL

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

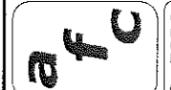


ANCHORS TYPES: SEE SHEET 4 FOR DESCRIPTION

- 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

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

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538

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no	date	by	description
A	07.24.09		UPDATED FOR 2007 FBC
B	05.10.11		ENGR NAME CHANGED
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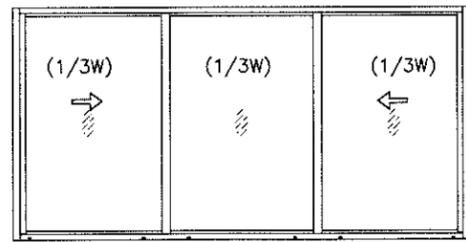
date: 04-18-06
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W06-32

sheet 2 of 7

COMP-ANL\W06-32RC

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.(-)								
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



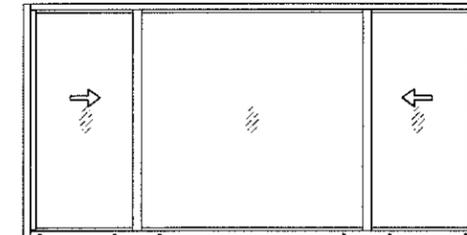
OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

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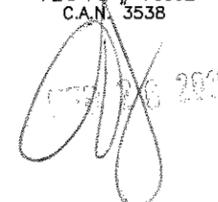
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

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.(-)								
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	120.0	114.5	120.0	120.0
161-5/8"	103.4	120.0	98.6	120.0	120.0	120.0	110.5	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	120.0	119.0	120.0	120.0
132"		101.2	120.0	96.6	120.0	120.0	120.0	108.2	120.0	120.0
144"		92.8	120.0	88.5	118.0	120.0	120.0	99.2	115.7	120.0
156"		85.7	120.0	81.7	109.0	120.0	120.0	91.6	106.8	120.0
161-5/8"	82.7	120.0	78.9	105.2	120.0	120.0	88.4	103.1	117.9	
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	120.0	110.2	120.0	120.0
120"		92.8	120.0	88.5	118.0	120.0	120.0	99.2	115.7	120.0
132"		84.4	120.0	80.5	107.3	120.0	120.0	90.2	105.2	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	120.0	110.6	120.0	120.0
108"		91.9	120.0	87.7	116.9	120.0	120.0	98.3	114.7	120.0
120"		82.7	120.0	78.9	105.3	120.0	120.0	88.5	103.2	117.9



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

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538



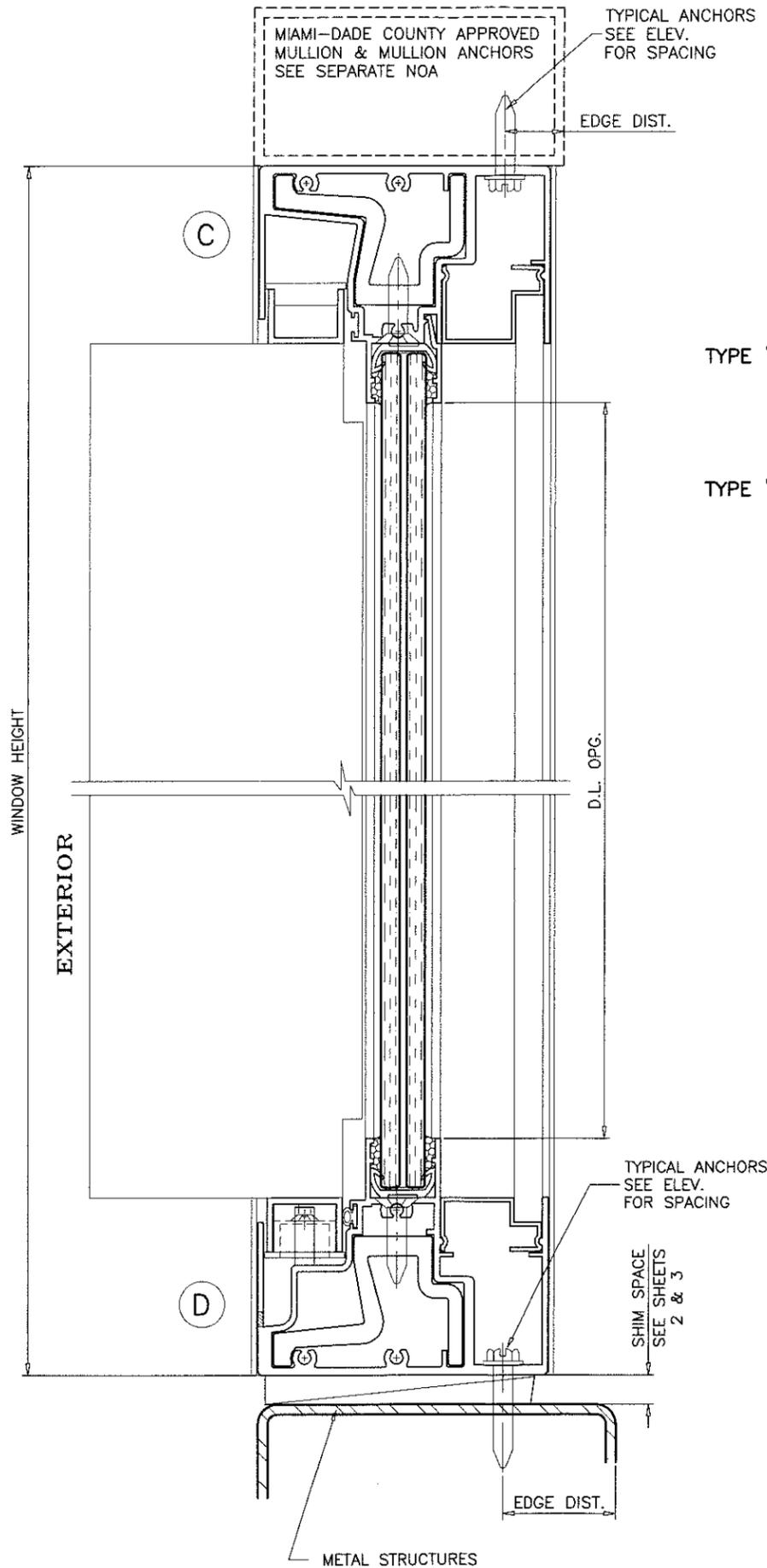
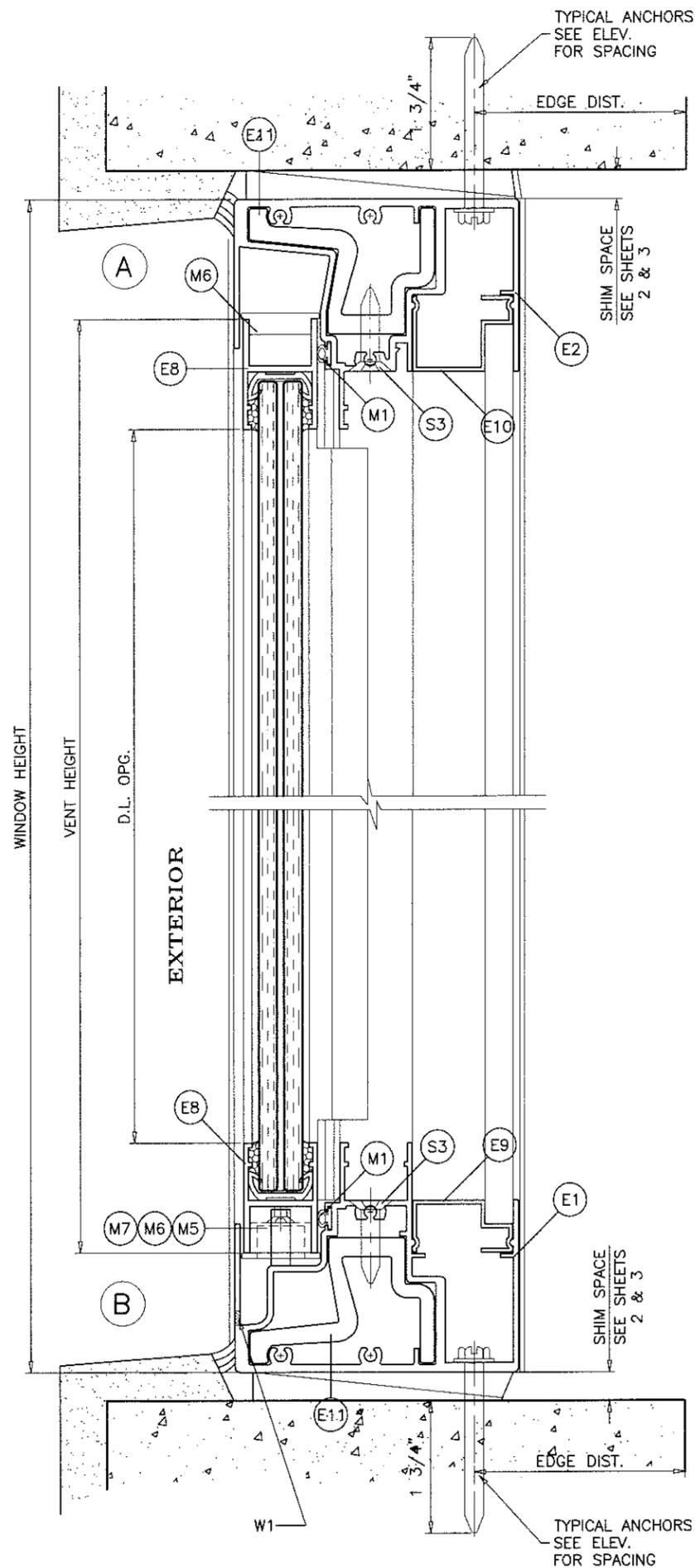

AL-FAROOQ CORPORATION
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MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W06-32RC

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	description
A	07.24.09	UPDATED FOR 2007 FBC
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C	02.16.12	NO CHANGE THIS SHEET
D	08.01.14	MANUF. NAME REV.
E	01.29.16	UPDATED TO 2014 FBC

date: 04-18-06
scale: 1/2" = 1"
dr. by: HAMID
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 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONC. OR MASONRY
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-3/4" MIN. EMBED INTO MASONRY (JAMBS)

TYPE 'B'— 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
INTO METAL STRUCTURES
STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.) (NO SHIM SPACE)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 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

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
[Signature]
2015

afc

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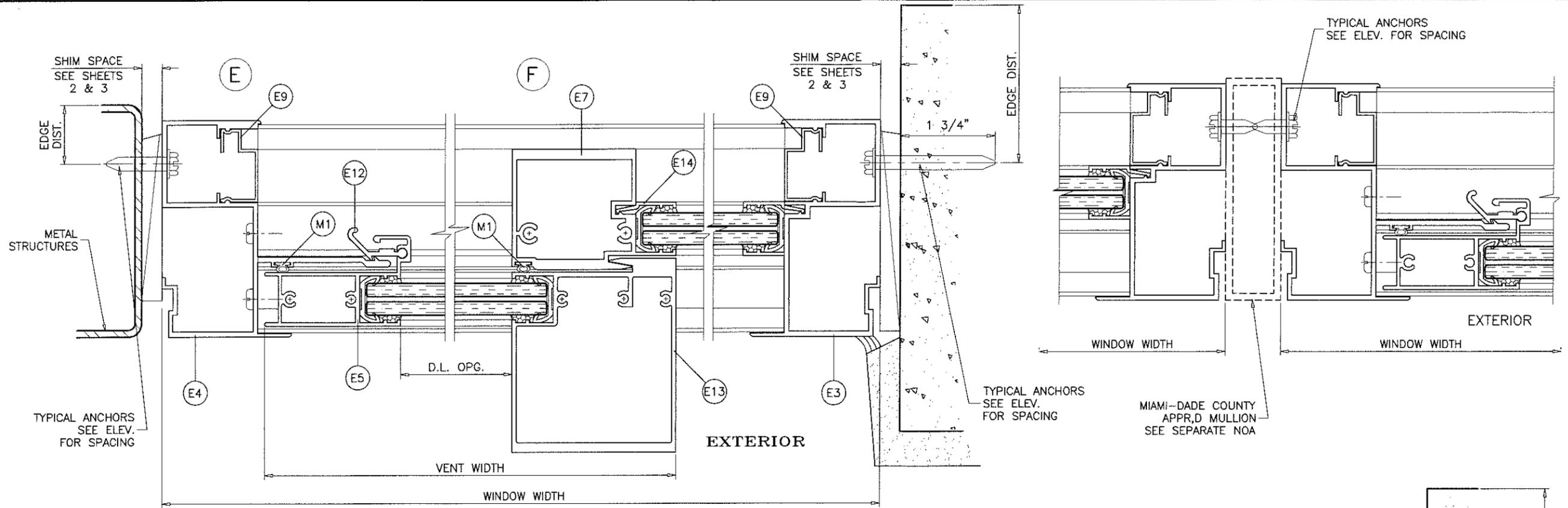
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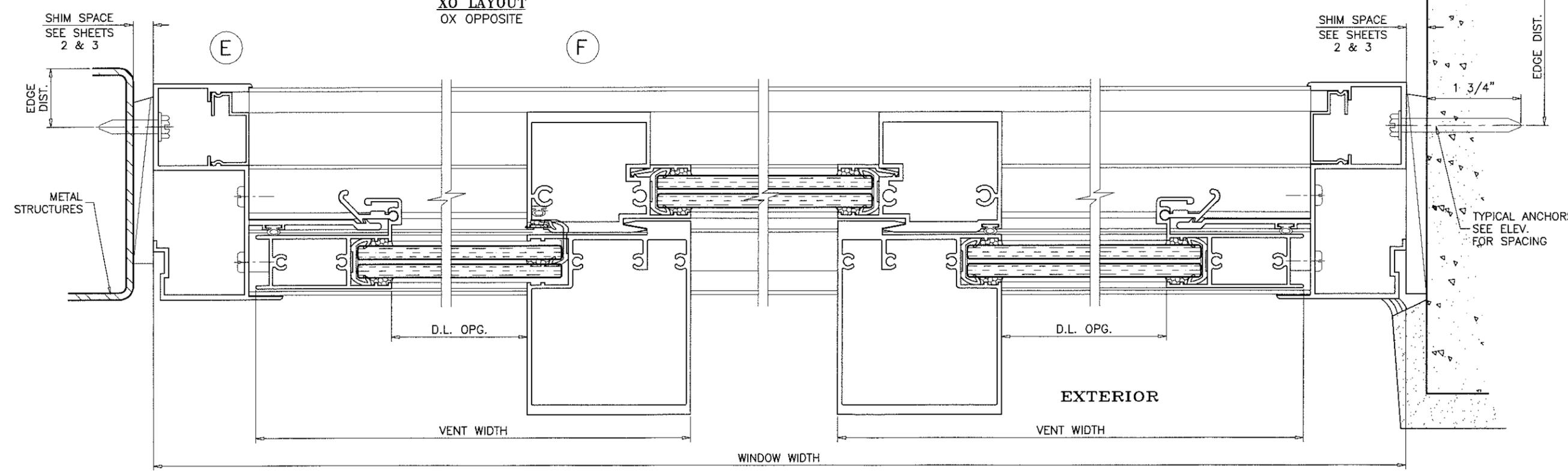
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dr. by: HAMID
chk. by:

drawing no.
W06-32

sheet 4 of 7



XO LAYOUT
OX OPPOSITE



XOX LAYOUT

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3638

[Signature]

af c

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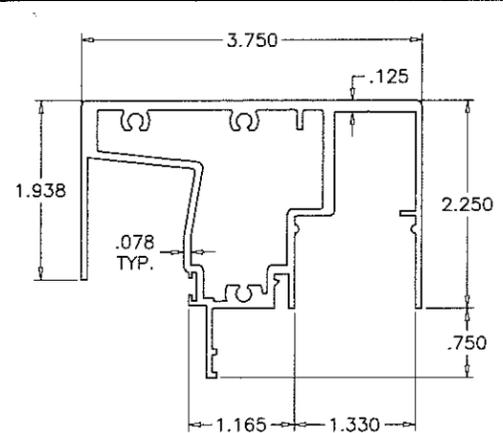
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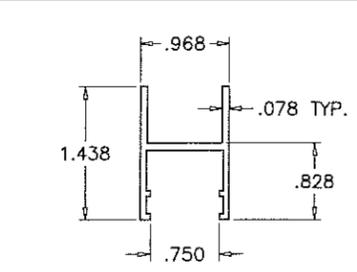
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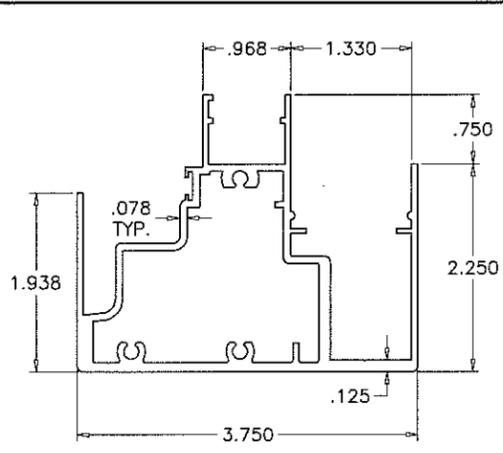
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W06-32
sheet 5 of 7



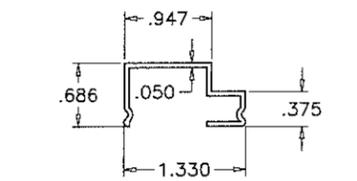
(E2) FRAME HEAD



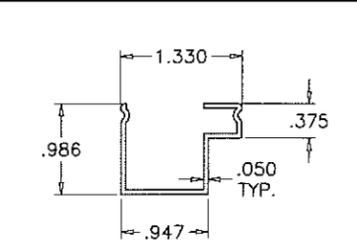
(E8) VENT TOP/BOTTOM RAIL



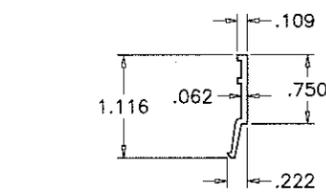
(E1) FRAME SILL



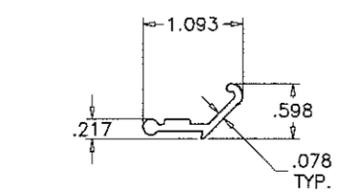
(E9) JAMB/SILL ANCHOR COVER



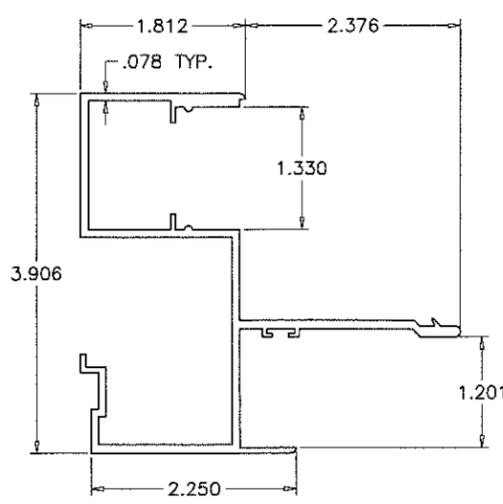
(E10) HEAD ANCHOR COVER



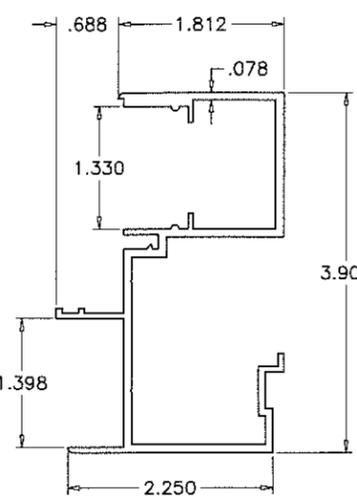
(E14) GLAZING BEAD



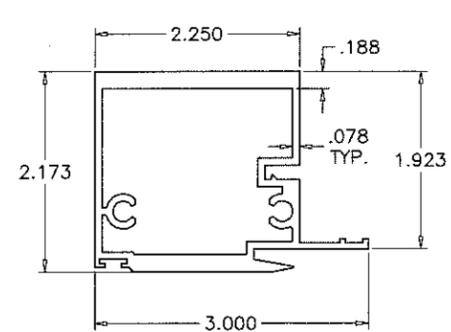
(E12) FINGER LOCK



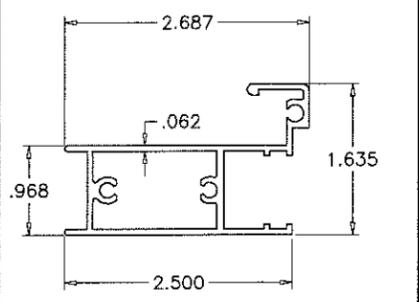
(E4) FRAME JAMB @ MOVING SIDE



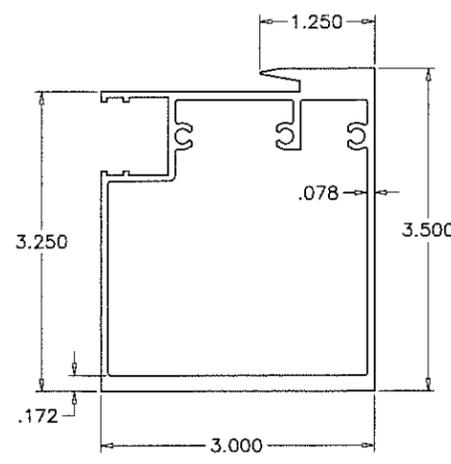
(E3) FRAME JAMB @ FIXED SIDE



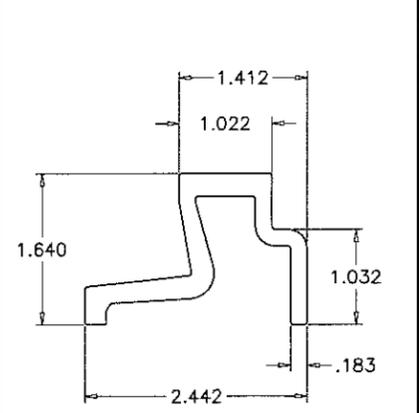
(E7) MEETING STILE



(E5) JAMB STILE



(E13) VENT INTERLOCK



(E11) MTG. STILE END SUPPORT

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	-	-

Engr: JAVAD AHMAD
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 FLA. PE # 70592
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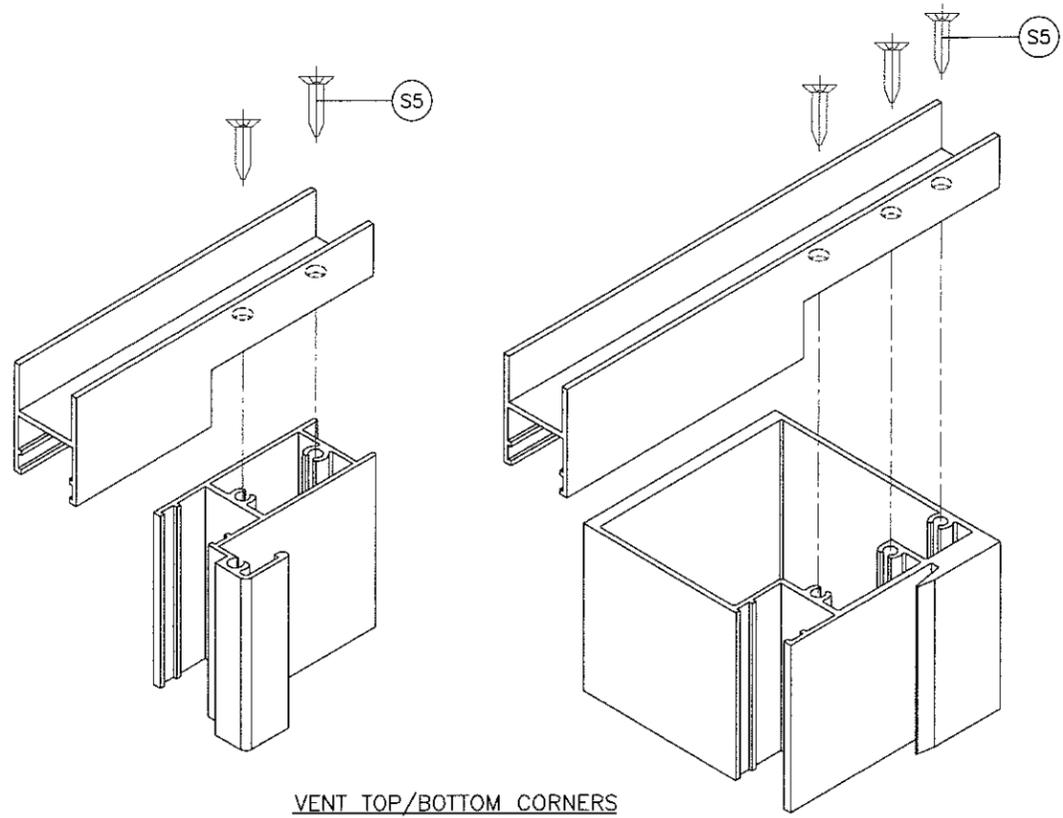


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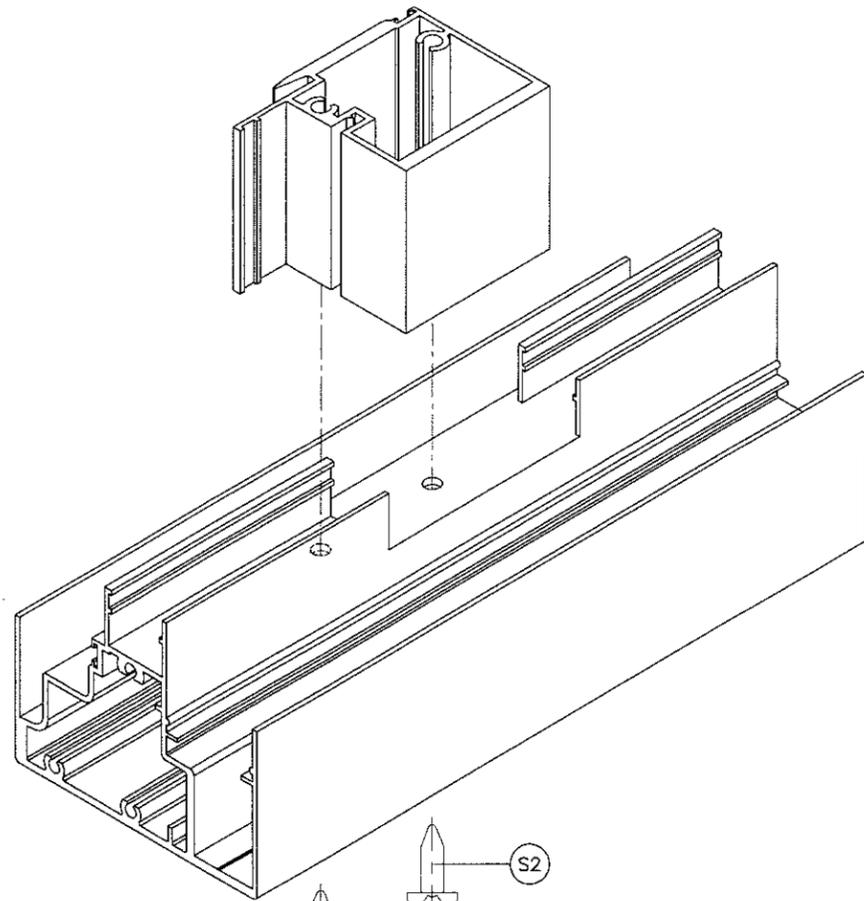
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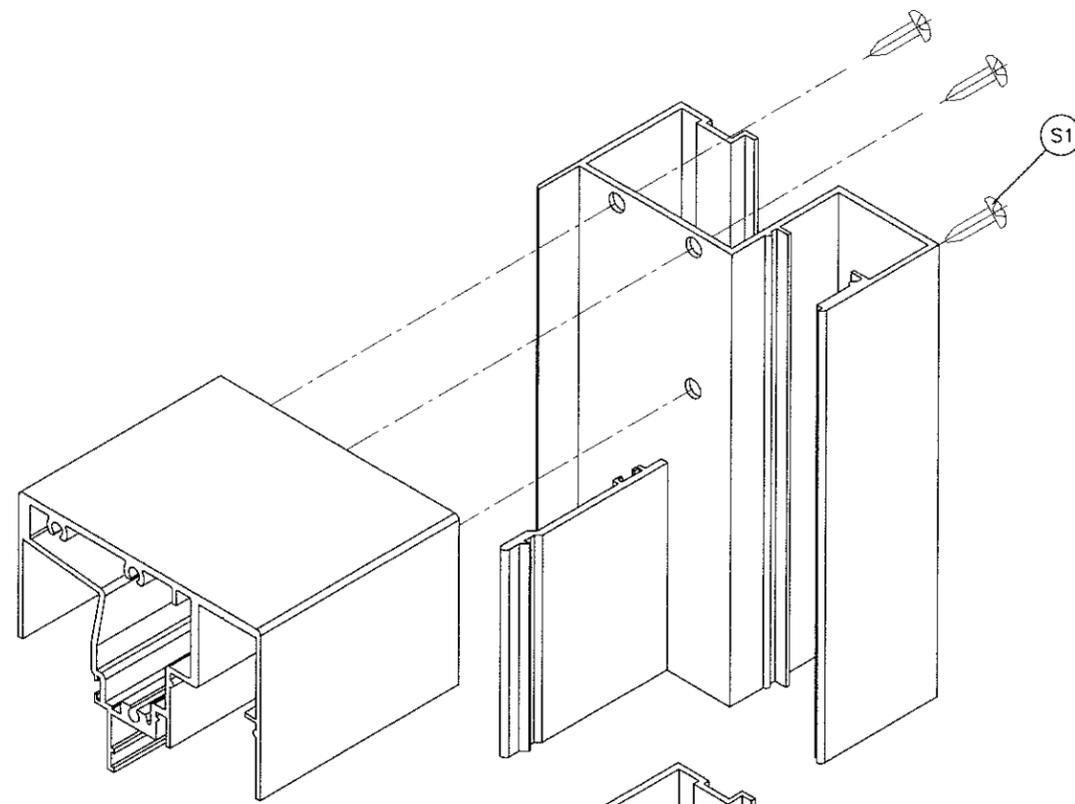
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 sheet 6 of 7



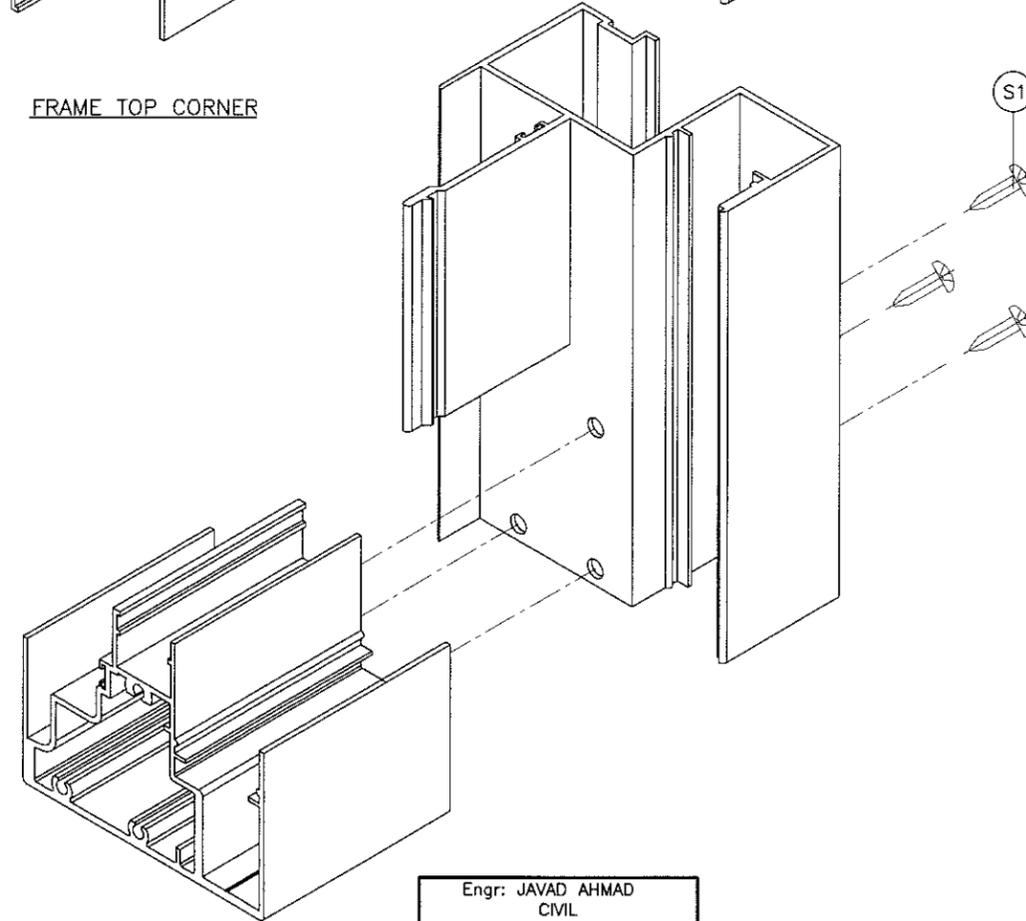
VENT TOP/BOTTOM CORNERS



FIXED MTG. RAIL CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

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 sheet 7 of 7