



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

NOTICE OF ACCEPTANCE (NOA)

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

Eco Window Systems, LLC
8502 NW 80 Street
Medley, FL 33166

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 "155" Aluminum Window Wall System w/Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W20-92D**, titled "Series-155 Aluminum S.H. Window Wall System (L.M.I.)", sheets 1 through 12 of 12 dated 11/05/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval 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, model/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.

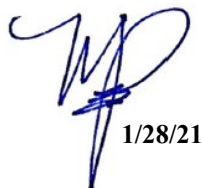
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 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.**




1/28/21

NOA No. 20-1203.01
Expiration Date: February 04, 2026
Approval Date: February 04, 2021
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **20-92D**, titled "Series-155 Aluminum S.H. Window Wall (L.M.I.)", sheets 1 through 12 of 12, dated 11/05/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, 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) Small Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
7) Forced Entry Resistance Test per FBC, TAS 202-94
8) Drop Load Test, per CPCS 16 CFR 1201 (Cat 11) and ANSI Z97.1 (Class and A)(400 foot-pound impact)
along with marked-up drawings and installation diagram of a Series 155 single hung alum. window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-11016**, dated 03/25/20 and revised on 05/29/20, signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

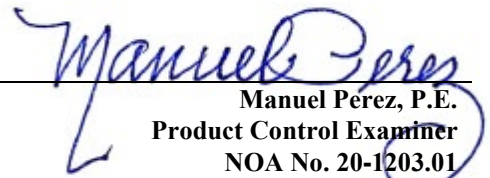
1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)** and **FBC 7th Edition (2020)**, dated 10/23/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **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.
2. 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.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 20-1203.01
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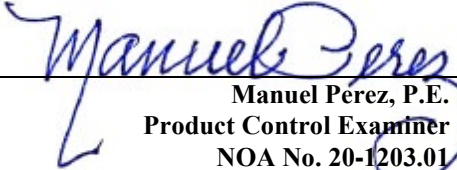
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F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, with **FBC 7th Edition (2020)** and of no financial interest, dated October 23, 2020, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Proposal No. **19-1130** issued by the Product Control Section, dated December 05, 2020, signed by Sifang Zhao, P.E.

G. OTHERS

1. None.



Manuel Perez, P.E.

Product Control Examiner

NOA No. 20-1203.01

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

SERIES-155 (L.M.I.)

ALUMINUM SINGLE HUNG WINDOW WALL SYSTEM

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (6TH EDITION)/2020 (7TH 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.

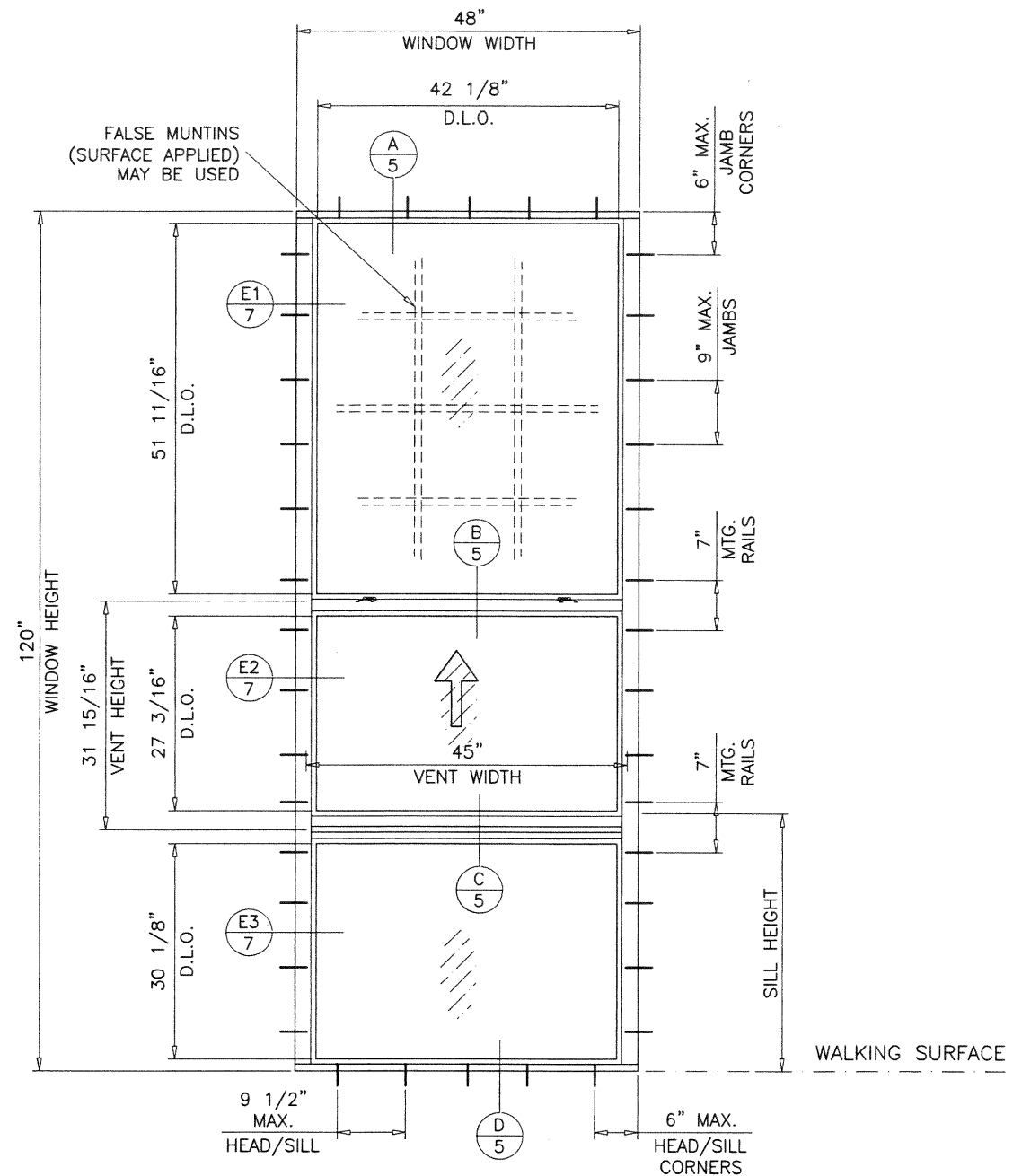
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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 2017/2020 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)'.

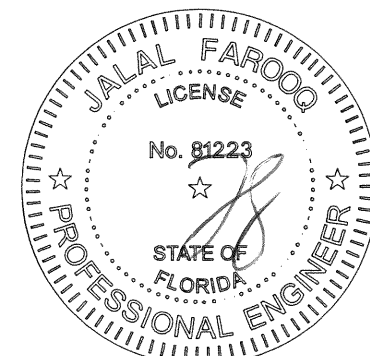


TYPICAL ELEVATION

NOTE:
DECREASE FIXED LITE HEIGHT AS REQD.
TO ACHIEVE 42-1/2" MAX. VENT HEIGHT.

PRODUCT APPROVED
As complying with the Florida
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By: *Manuel Perez*
Miami-Dade Product Control

LAMINATED GLASS
INSUL. LAM. GLASS
LARGE MISSILE IMPACT



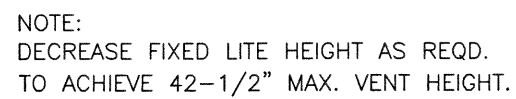
PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1
WITH MINIMUM SILL HEIGHT OF 36 IN. ABOVE WALKING SURFACE.

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\20-92D-ECO

SERIES-155 ALUMINUM S.H. WINDOW WALL (L.M.I.)
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th STREET
MEDLEY, FL. 33166
TEL. (305) 885-5299 FAX (305) 885-5902

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no.	description

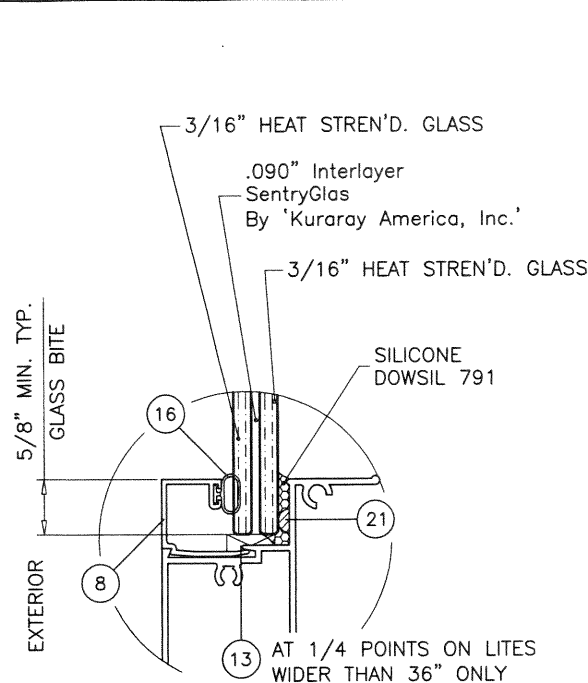
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drawing no. 20-92D			
sheet 1 of 12			



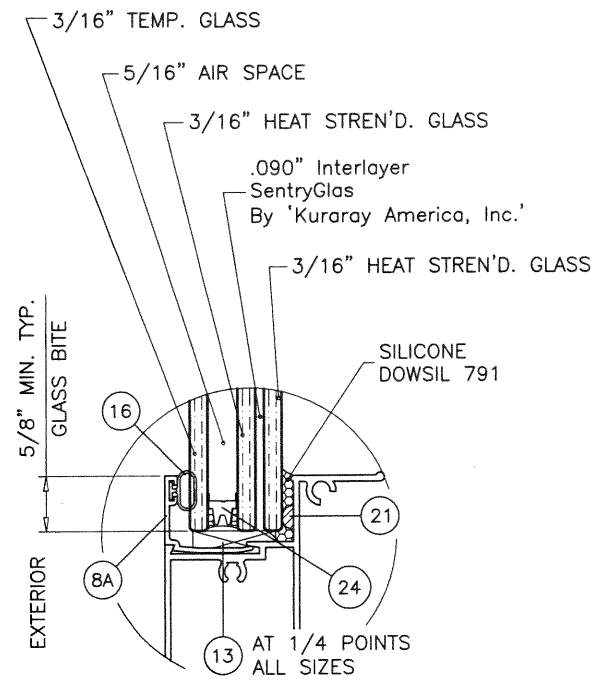
By: Manuel Perez
Miami-Dade Product Control



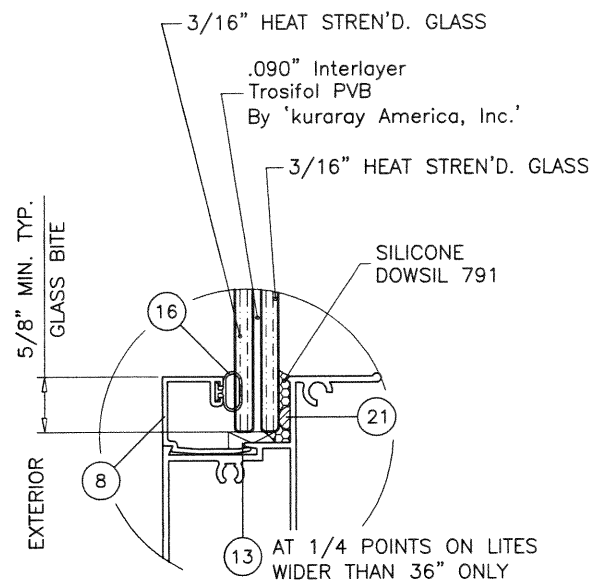
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drawing no. 20-92D		
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GLASS TYPE 'G2'
7/16" OVERALL LAM. GLASS



GLASS TYPE 'G2i'
15/16" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'G3'
7/16" OVERALL LAM. GLASS

MAXIMUM DESIGN LOAD RATING = + 80.0 PSF
(GLASS TYPES 'G2' & 'G2i')
- 120.0 PSF

MAXIMUM DESIGN LOAD RATING = + 70.0 PSF
(GLASS TYPE 'G3')
- 70.0 PSF

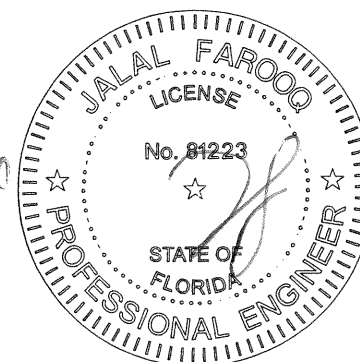


APPROVED CONFIGURATIONS

APPROVAL APPLIES TO INDIVIDUAL UNITS OF SINGLE HUNG OVER FIXED WINDOWS.
ALSO SIDE BY SIDE COMBINATIONS OF S.H./FIX. TO S.H./FIX. IN MODULES OF TWO OR MORE UNITS.

PRODUCT APPROVED
As complying with the Florida
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By: *Manuel Perez*
Miami-Dade Product Control

NOV 10 2021



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

COMP-ANL\20-92D-ECO

SERIES-155 ALUMINUM S.H. WINDOW WALL (L.M.I.)

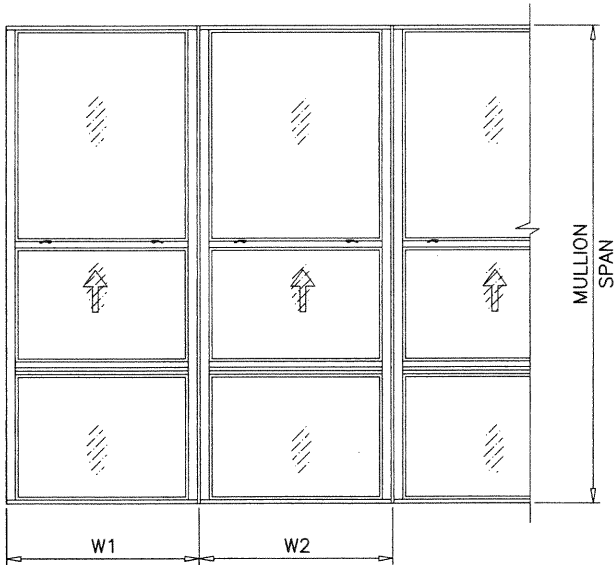
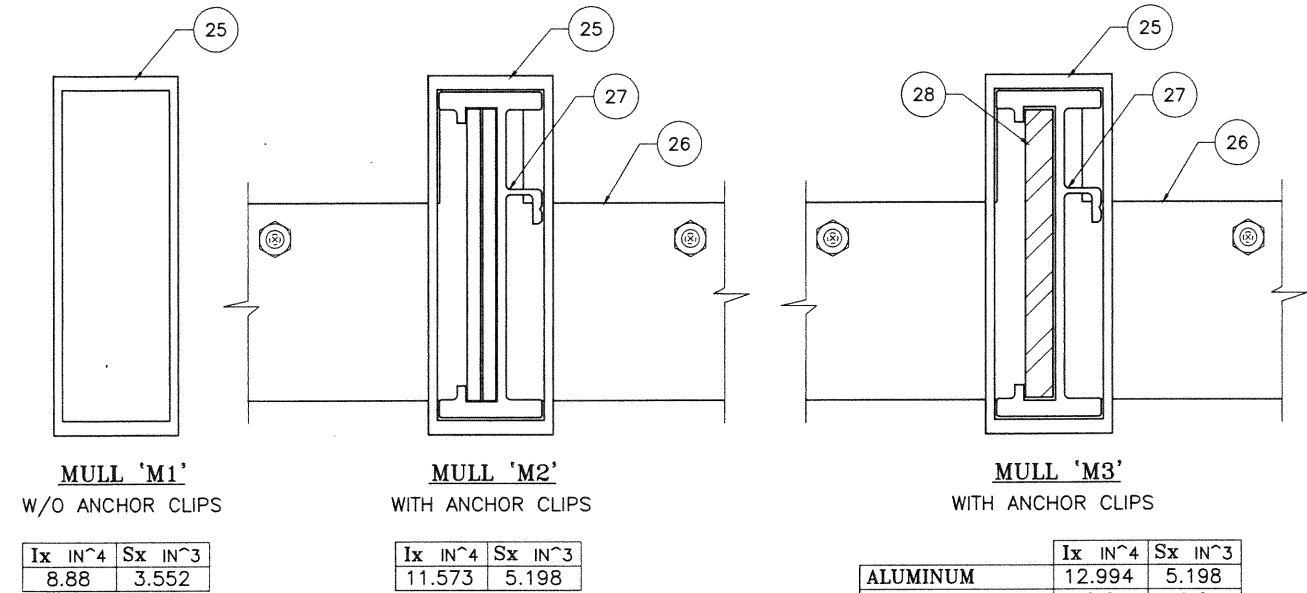
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th STREET
MEDLEY, FL. 33166
TEL. (305) 885-5299 FAX (305) 885-5902

revisions:		no	date	by	description

date: 11-05-20
scale: 1/2" = 1"
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chk. by:

drawing no.
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MULLION LOAD CAPACITY - PSF							
WINDOW DIMS.		MULL 'M1'		MULL 'M2'		MULL 'M3'	
WIDTH (W)	MULL SPAN	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36"	102"	70.0	70.0	80.0	120.0	80.0	120.0
42"		70.0	70.0	80.0	120.0	80.0	120.0
48"		70.0	70.0	80.0	120.0	80.0	120.0
36"	108"	70.0	70.0	80.0	120.0	80.0	120.0
42"		70.0	70.0	80.0	120.0	80.0	120.0
48"		70.0	70.0	80.0	118.8	80.0	120.0
36"	114"	70.0	70.0	80.0	120.0	80.0	120.0
42"		70.0	70.0	80.0	115.4	80.0	120.0
48"		70.0	70.0	80.0	101.0	80.0	120.0
36"	120"	70.0	70.0	80.0	115.4	80.0	120.0
42"		70.0	70.0	80.0	99.0	80.0	120.0
48"		66.4	66.4	80.0	86.6	80.0	117.5

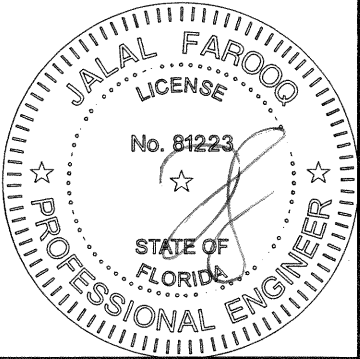


EQUAL LITES
UNEQUAL LITES (ORIEL)
SINGLE HUNG OVER
FIXED WINDOWS

$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

MULLION ANCHOR CLIP LOAD CAPACITY - PSF					
WINDOW DIMS.		ANCHORS TYPE 'A'		ANCHORS TYPE 'B' & 'C'	
WIDTH (W)	MULL SPAN	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36"	96"	80.0	120.0	80.0	120.0
42"		80.0	119.6	80.0	120.0
48"		80.0	120.0	80.0	120.0
36"	102"	80.0	120.0	80.0	120.0
42"		80.0	112.5	80.0	120.0
48"		80.0	113.7	80.0	120.0
36"	108"	80.0	120.0	80.0	120.0
42"		80.0	106.3	80.0	120.0
48"		80.0	107.4	80.0	120.0
36"	114"	80.0	117.5	80.0	120.0
42"		80.0	100.7	80.0	120.0
48"		80.0	101.7	80.0	120.0
36"	120"	80.0	111.6	80.0	120.0
42"		80.0	95.7	80.0	120.0
48"		80.0	96.7	80.0	120.0

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Miami-Dade Product Control



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revisions:

no

date

by

description

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11-05-20

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dr. by:

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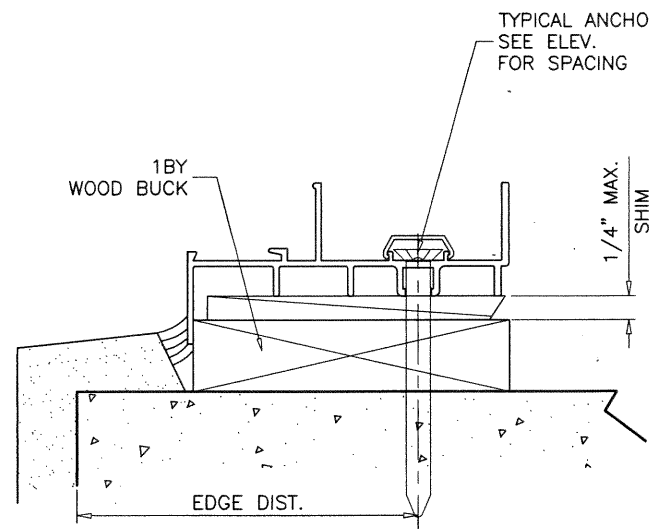
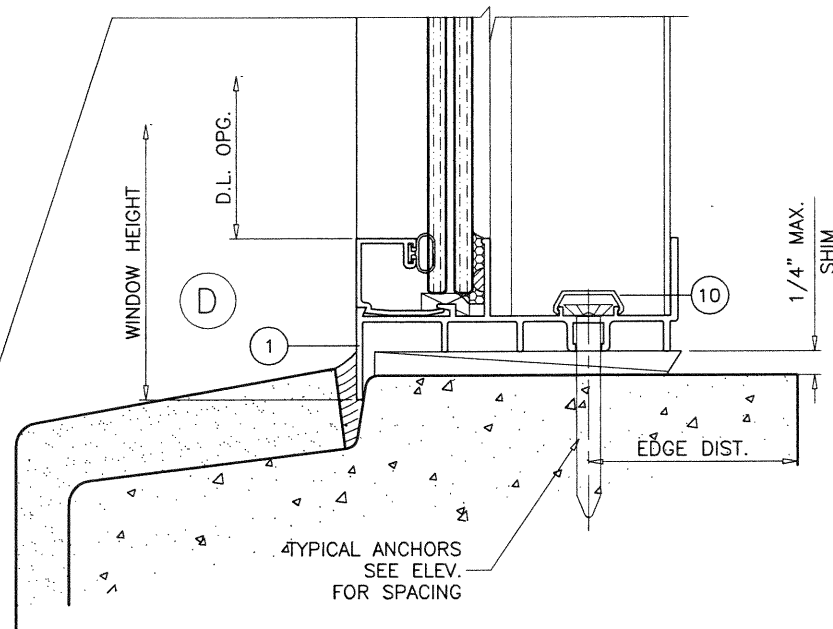
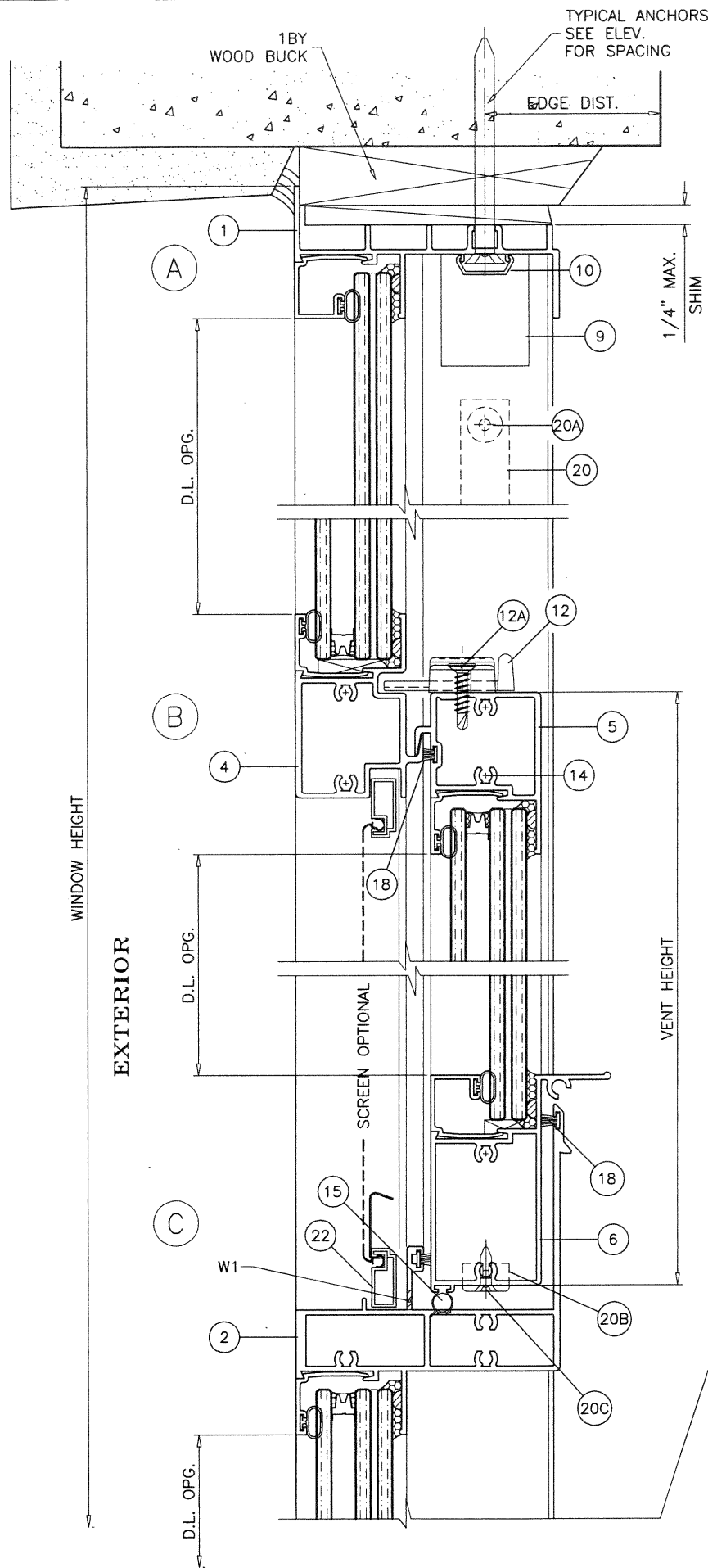
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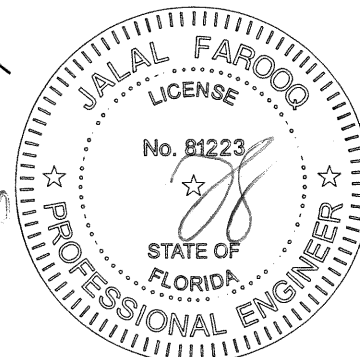
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WEEPHOLES:

W1 = 1/4" X 3/4" WEEPHOLES AT 12-1/2"
 FROM EACH END

NOV 10 2020

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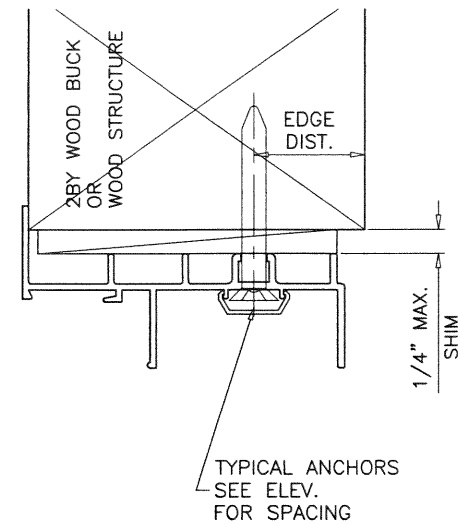
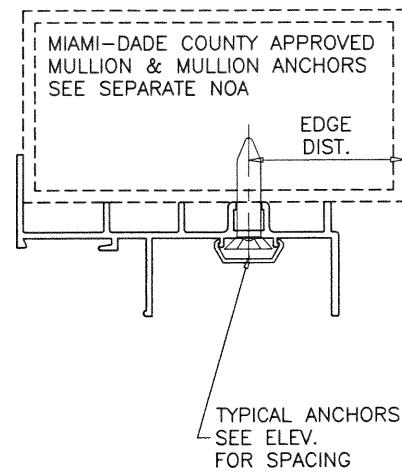
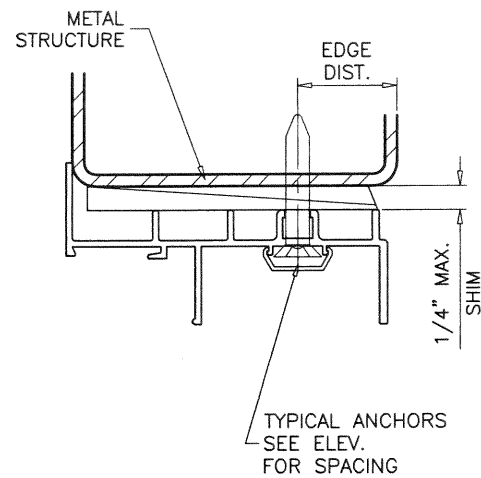
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 scale: 1/2" = 1"
 dr. by: TARIQ
 chk. by:

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WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

TYPE 'B' - 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 DIRECTLY INTO CONCRETE
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)

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

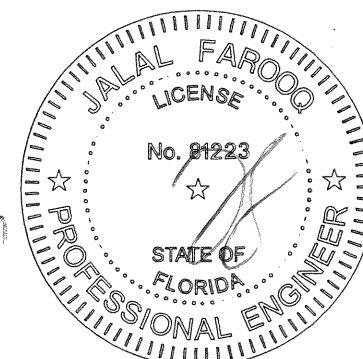
TYPICAL EDGE DISTANCE

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

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

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NOV 10 2020

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COMP - ANL 20-92D-ECO

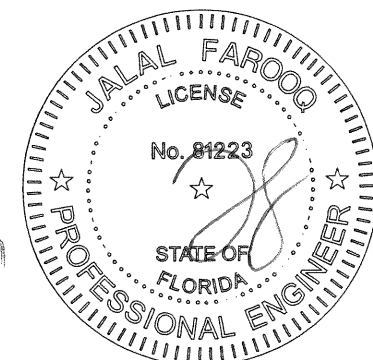
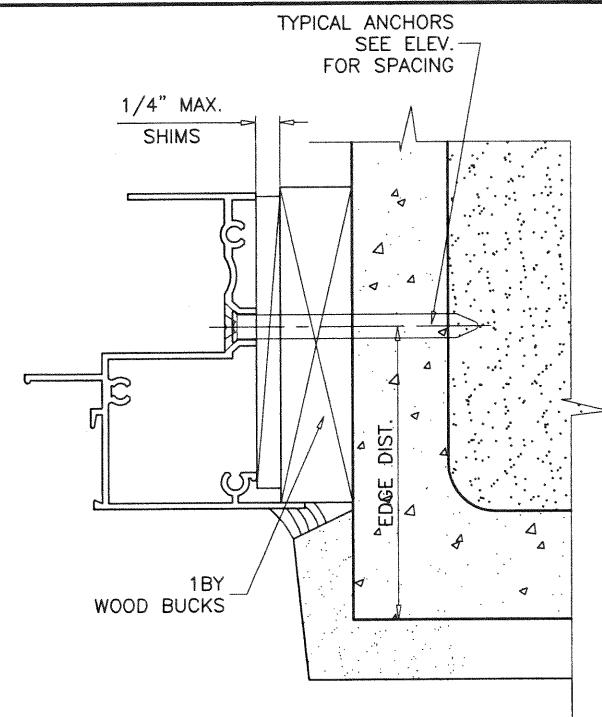
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sheet 6 of 12



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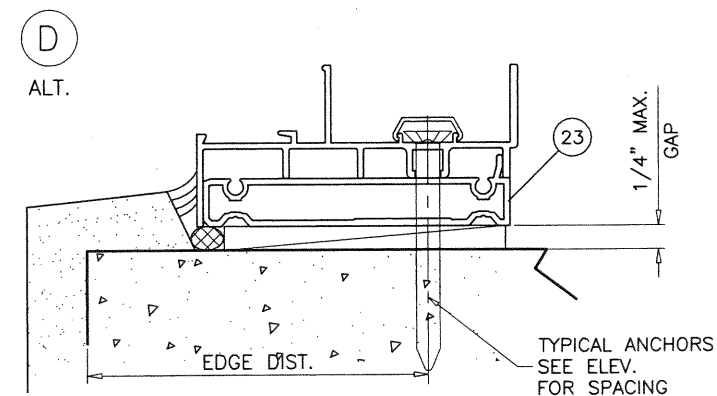
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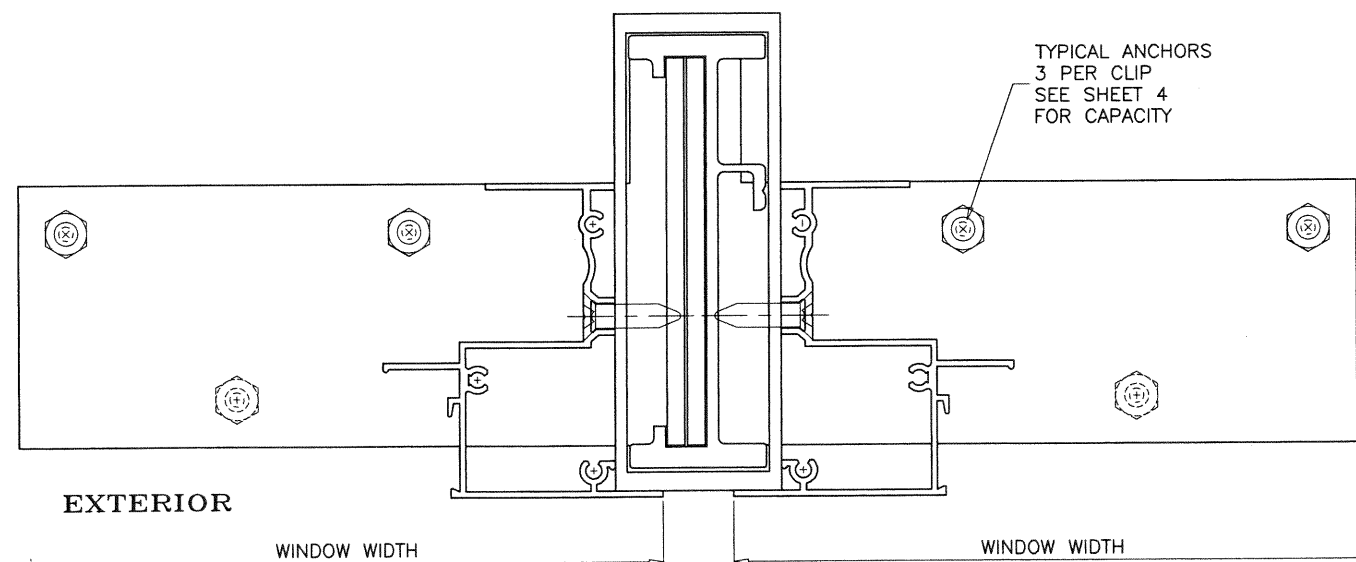
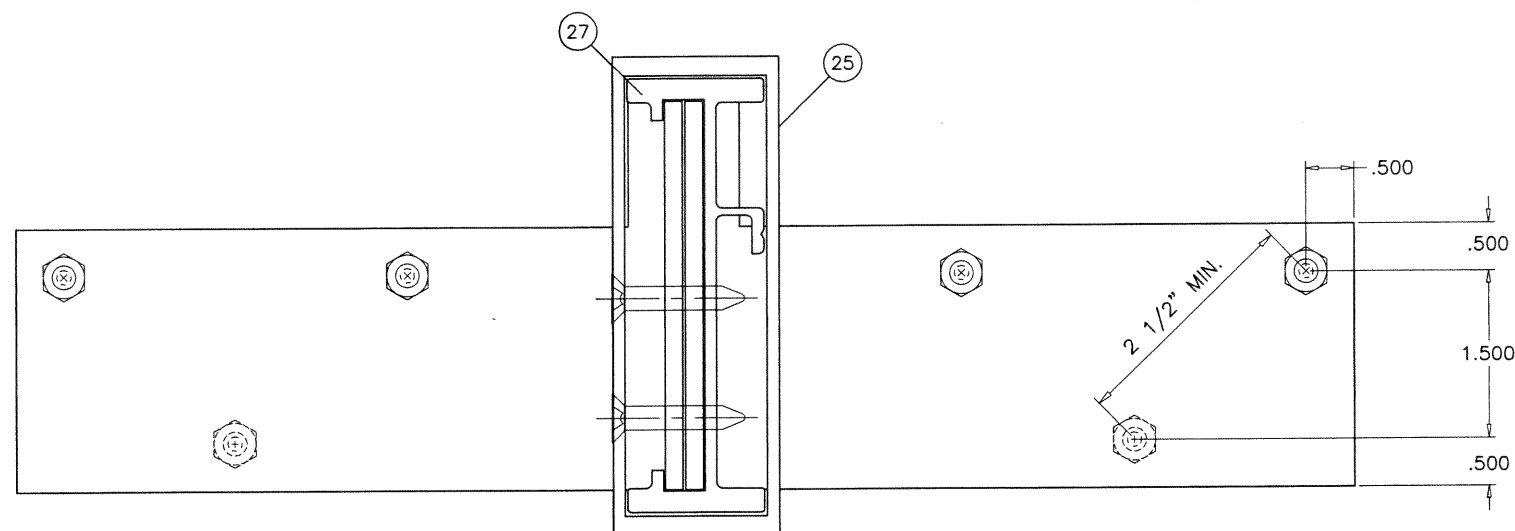
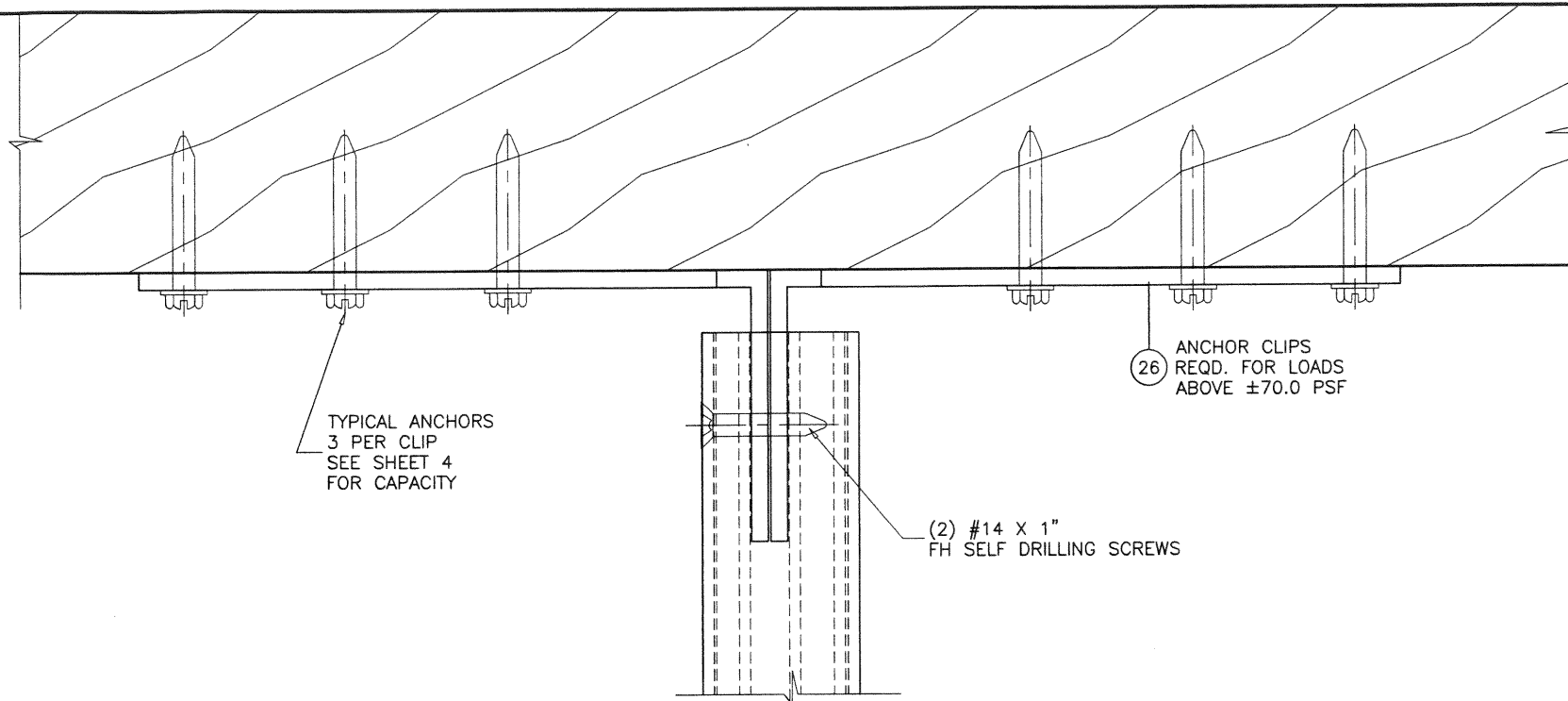
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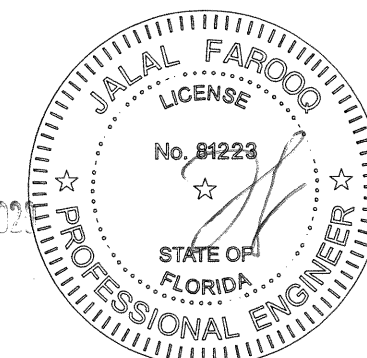
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Building Code
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Approval Date: 02/04/21

By: *Manuel Perez*
Miami-Dade Product Control



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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-155 ALUMINUM S.H. WINDOW WALL (L.M.I.)

ECO WINDOW SYSTEMS, LLC.

8502 N.W. 80th STREET
MEDLEY, FL. 33166

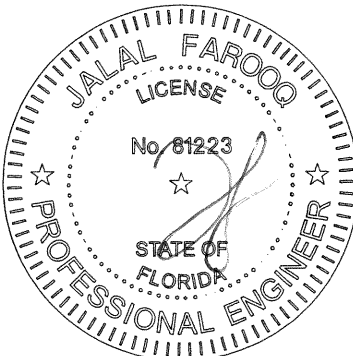
TEL. (305) 885-5299 FAX (305) 885-5902

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dr. by:	TARIQ		
chk. by:			
drawing no.	20-92D		
sheet	9 of 12		

COMP-ANL\20-92D-ECO

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E151	1	FRAME HEAD	6063-T6	-
2	E165	1	INTERMEDIATE SILL	6063-T6	-
3	E153	2	FRAME JAMB	6063-T6	-
4	E154	1	FIXED MTG. RAIL	6063-T6	-
5	E155	1	VENT TOP RAIL	6063-T6	-
6	E156	1	VENT BOTTOM RAIL	6063-T6	-
7	E157	2	VENT SIDE RAIL	6063-T6	-
8	E159	AS REQD.	GLAZING BEAD (LAM. GLASS)	6063-T6	-
8A	E158	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	-
9	FY116	2/VENT	SASH STOP	6063-T5	-
10	E162	AS REQD.	SCREW COVER	RIGID PVC	-
12	SL203P	2/VENT	SWEEP LATCH, AT 12" FROM ENDS	ZAMAK	SULLIVAN & ASSOC.
12A	#8 X 5/8"	2/ LATCH	LATCH INST. SCREWS	ST. STEEL	FH SMS
13	-	AS REQD.	SETTING BLOCK	EPDM	DUROMETER 80±5 SHORE A
14	#10 X 1"	AS REQD.	FRAME & VENT ASSEMBLY SCREWS	CRS	PH SMS
14A	#10 X 1-1/4"	2/ CORNER	FLUSH FRAME ADAPTER FASTENERS	CRS	FH SMS
15	E207	AS REQD.	BOTTOM RAIL SEAL - SERIES 101	NEOPRENE	ULTRAFAB
16	TR.3020	AS REQD.	GLAZING BEAD BULB	SANTOPRENE	TECHNO RUBBER
17	E163	2/ VENT	SASH TOP GUIDE	DERLIN	M&M PLASTICS
18	W23181	AS REQD.	FIN SEAL W'STRIPPING	-	ULTRAFAB
19	E164	4/ VENT	SASH SIDE GUIDE	DERLIN	M&M PLASTICS
19A	#6 X 3/8"	1/ GUIDE	SASH GUIDE INST. SCREW	CRS	OH SMS TYPE B
20	F210	2/VENT	SASH BALANCE	-	SUPERBOOST BY BSI
20A	#8 X 1"	1/ BALANCE	BALANCE INST. SCREW	ST STEEL	FH SMS
20B	21B02 UEK	1/ BALANCE	BALANCE BRACKET	STEEL	CALDWELL
20C	#8 X 1/2"	2/ BRACKET	BRACKET FASTENER	ST. STEEL	PH SMS
21	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE
22	-	1	5/16" BOX SCREEN	-	OPTIONAL
23	E161	-	FLUSH FRAME ADAPTER	6063-T6	OPTIONAL
24	-	-	INSUL. GLASS EDGE SPACER	-	SUPER SPACER BY QUANEX
25	E168	-	MULLION	6063-T6	-
26	E169	AS REQD.	MULLION CLIP, REQD. FOR LOADS ABOVE 70.0 PSF	6063-T6	-
27	UW-408	-	MULLION INSERT	6063-T6	-
28	-	-	MULLION REINFORCING BAR	STEEL	A36, Fu MIN. 58 KSI

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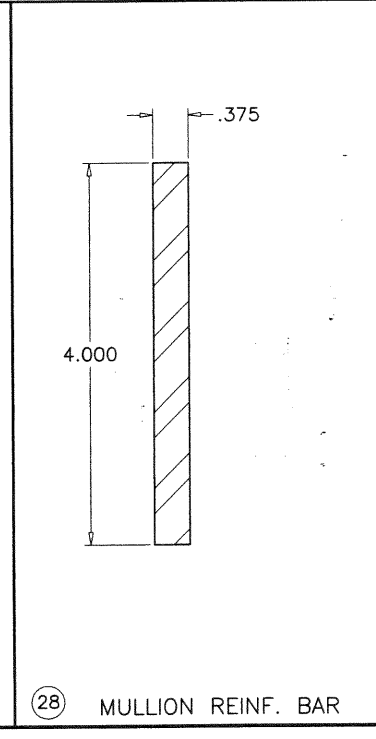
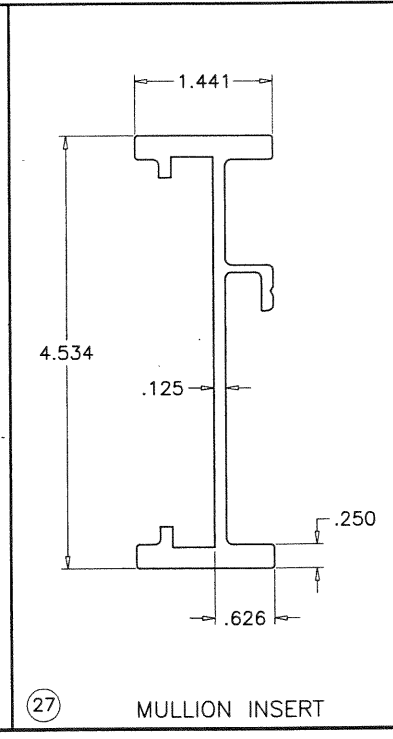
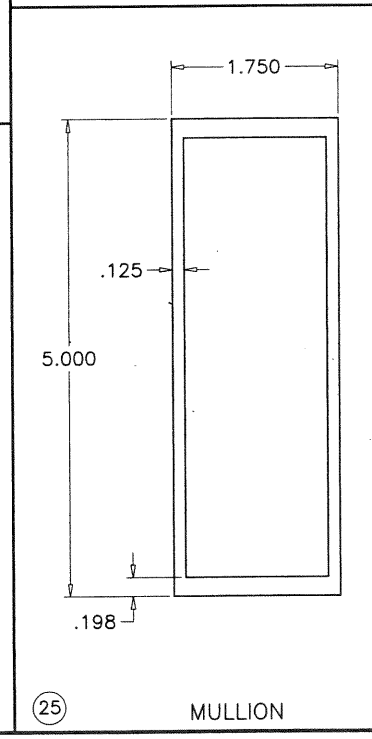
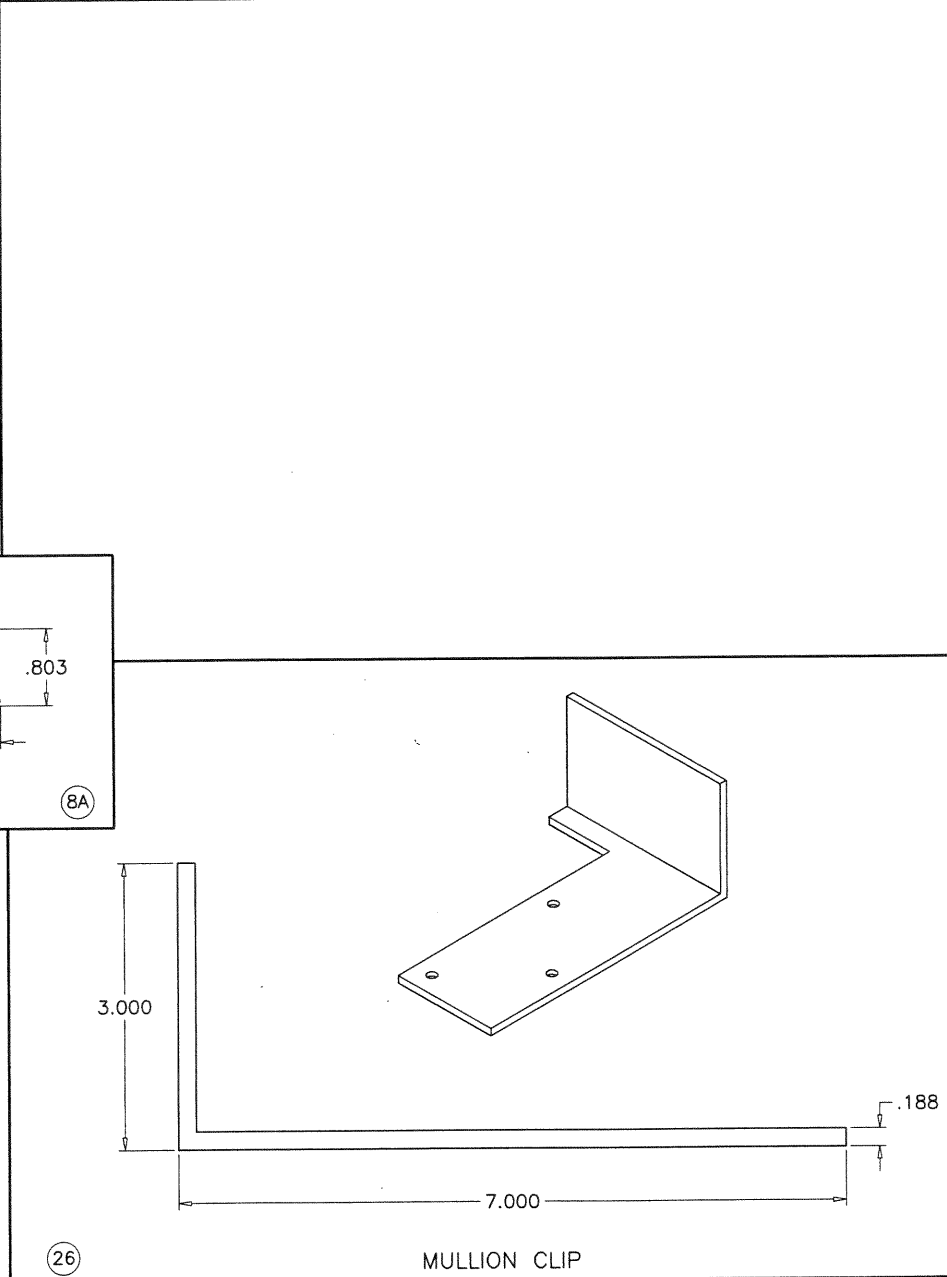
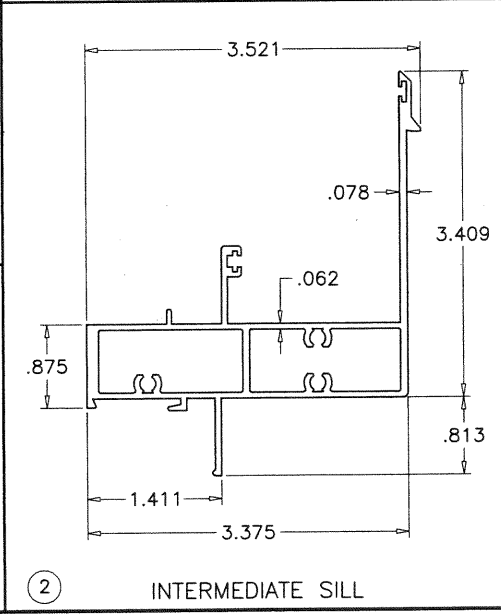
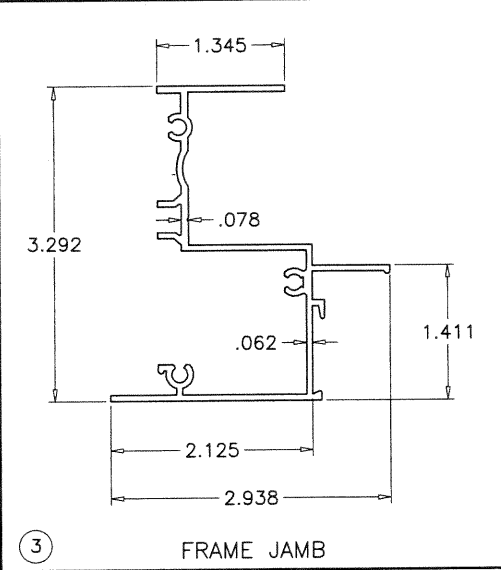
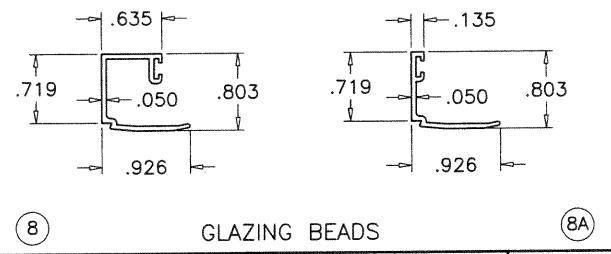
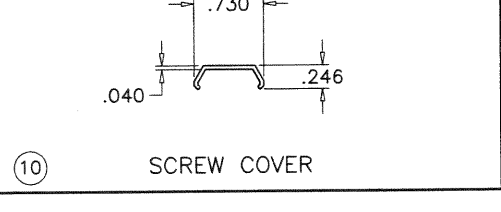
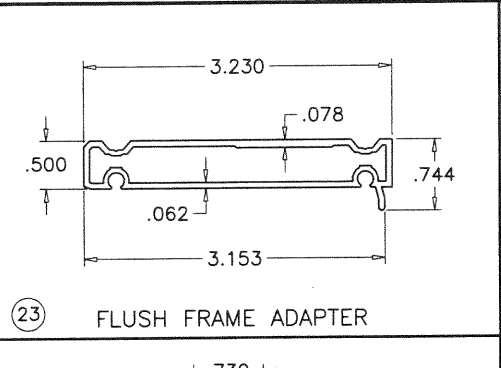
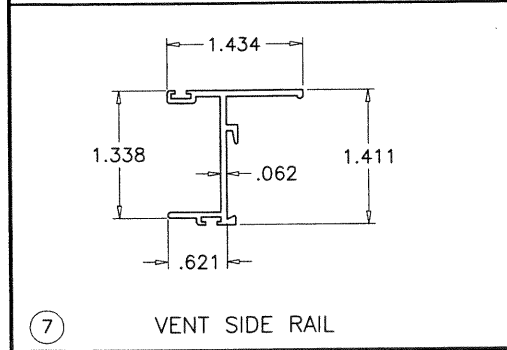
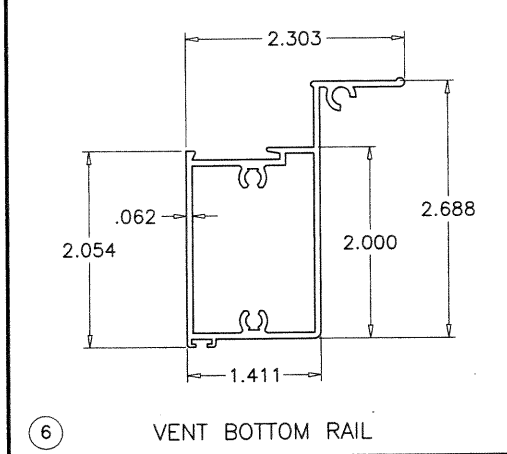
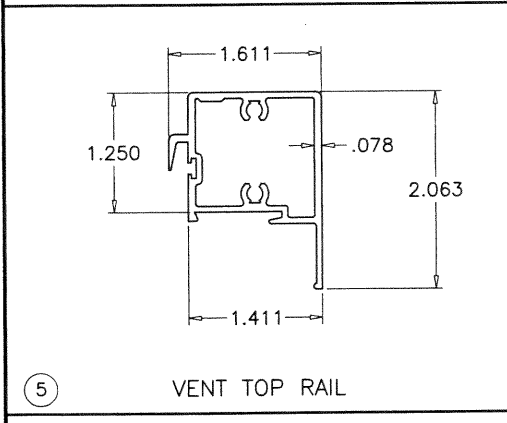
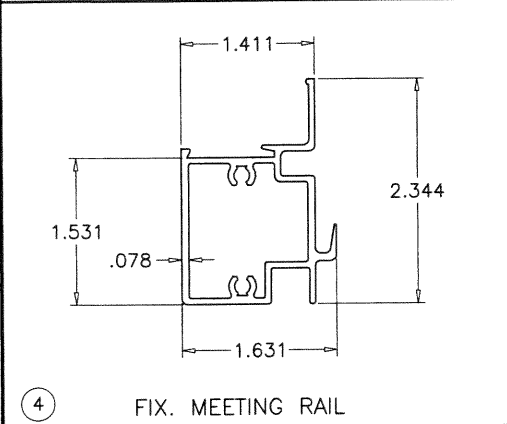
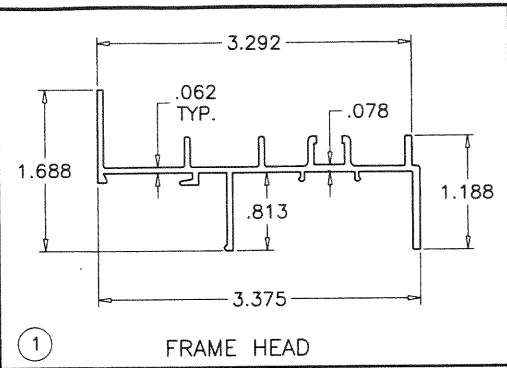
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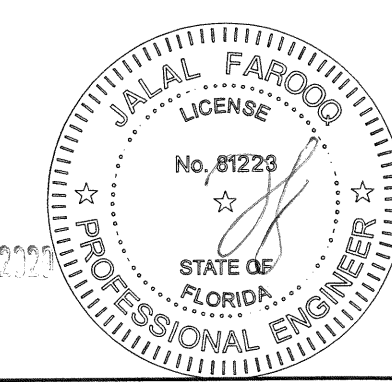
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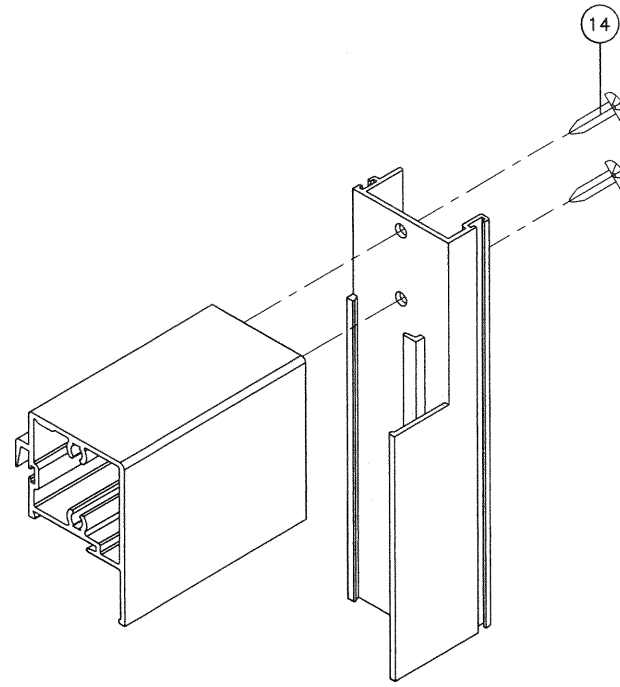
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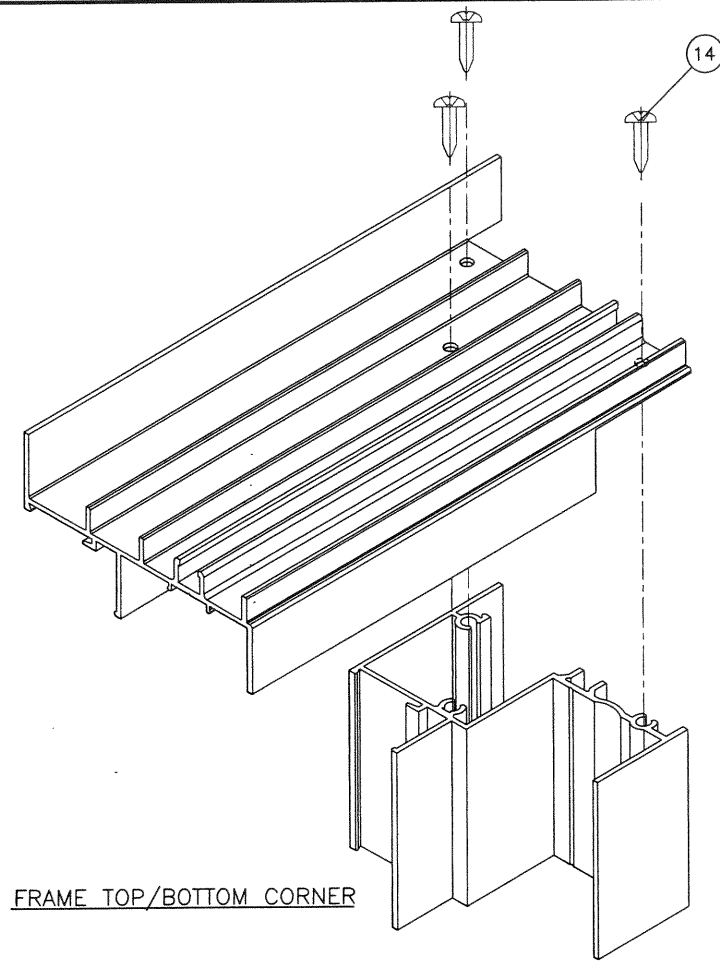
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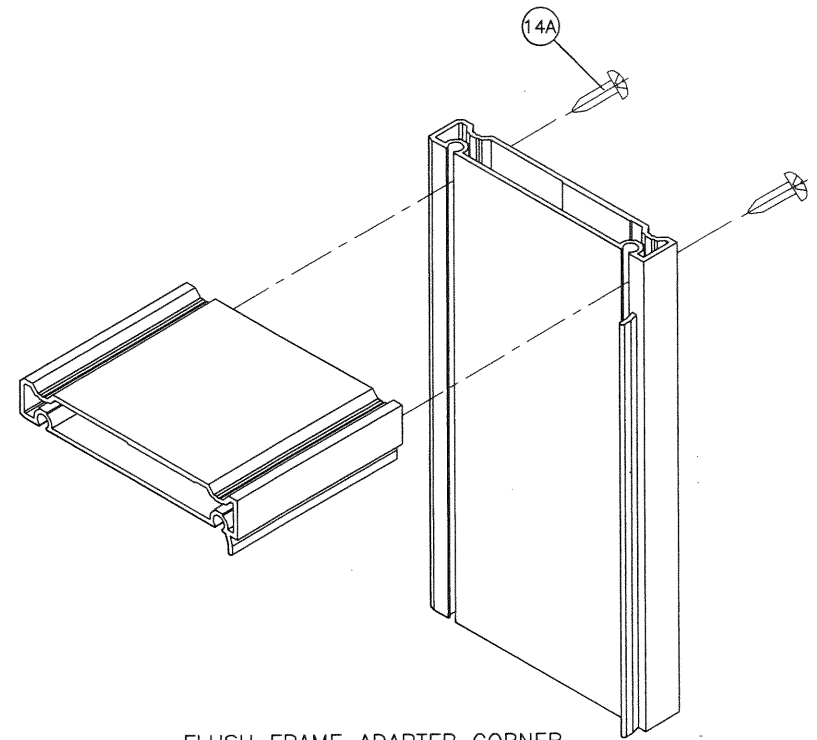
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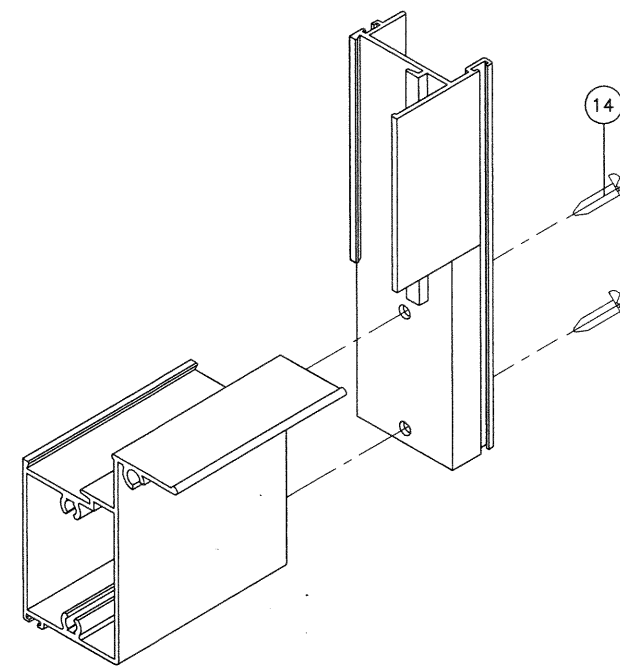
VENT TOP CORNER



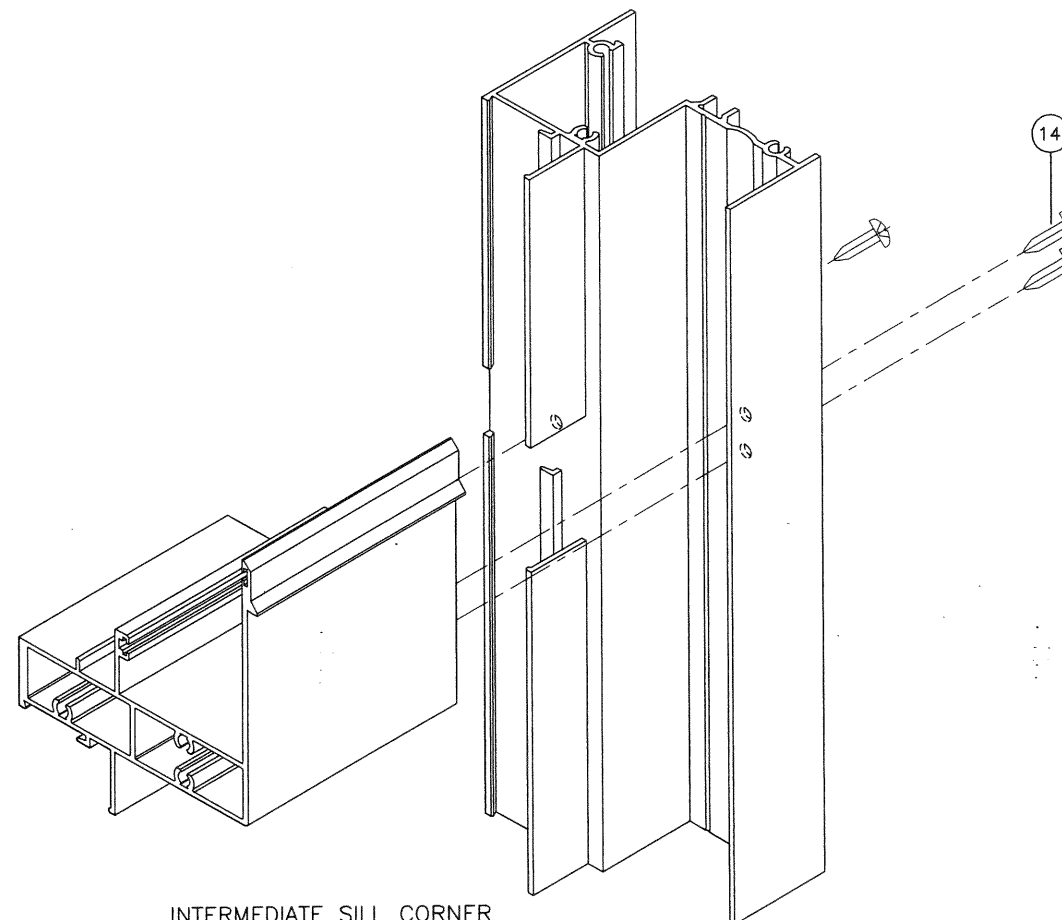
FRAME TOP/BOTTOM CORNER



FLUSH FRAME ADAPTER CORNER

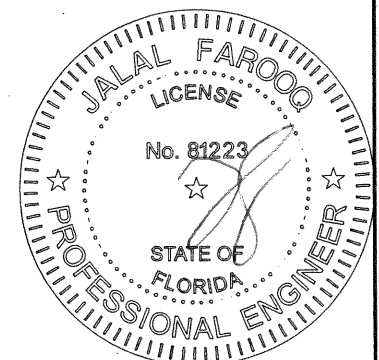


VENT BOTTOM CORNER



INTERMEDIATE SILL CORNER

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