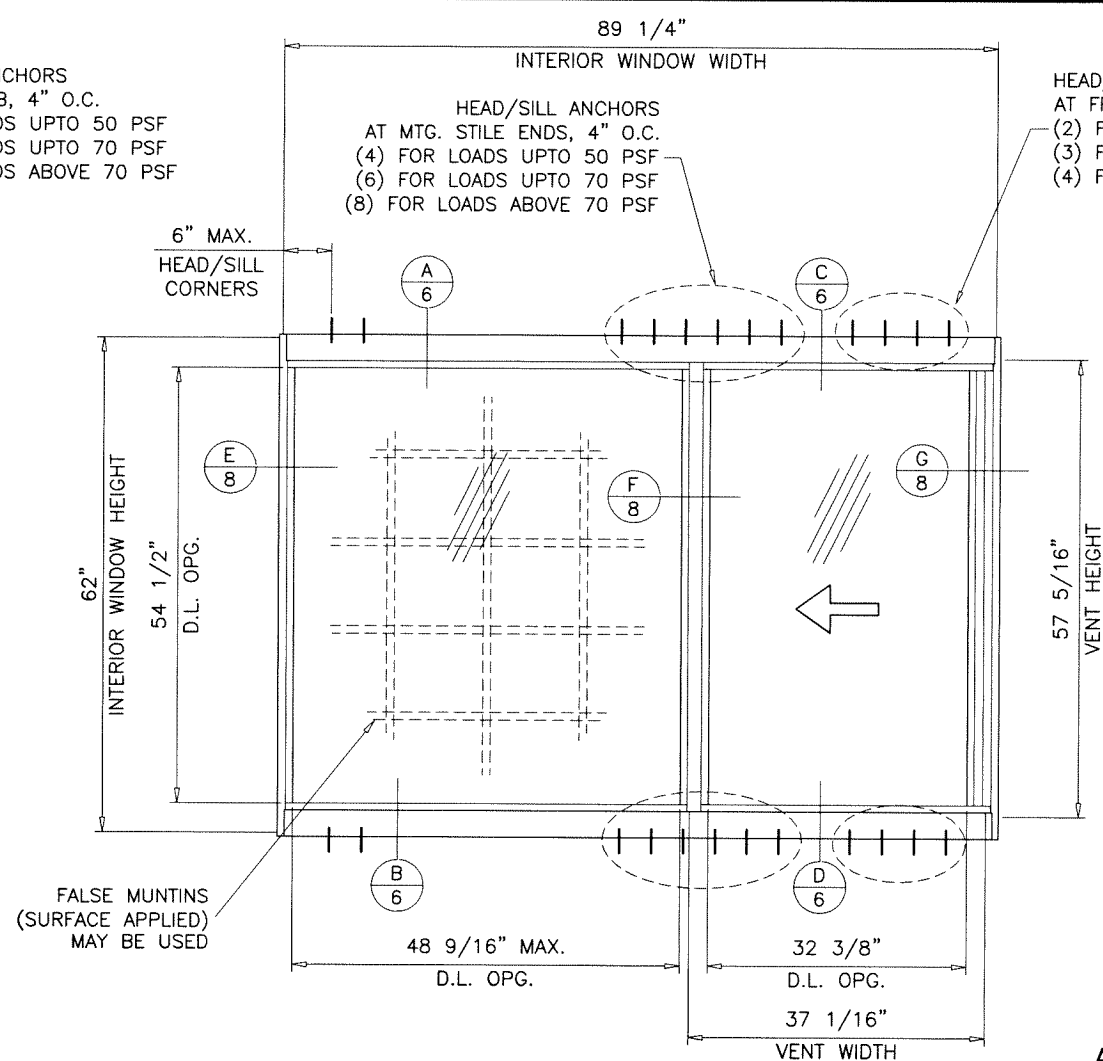
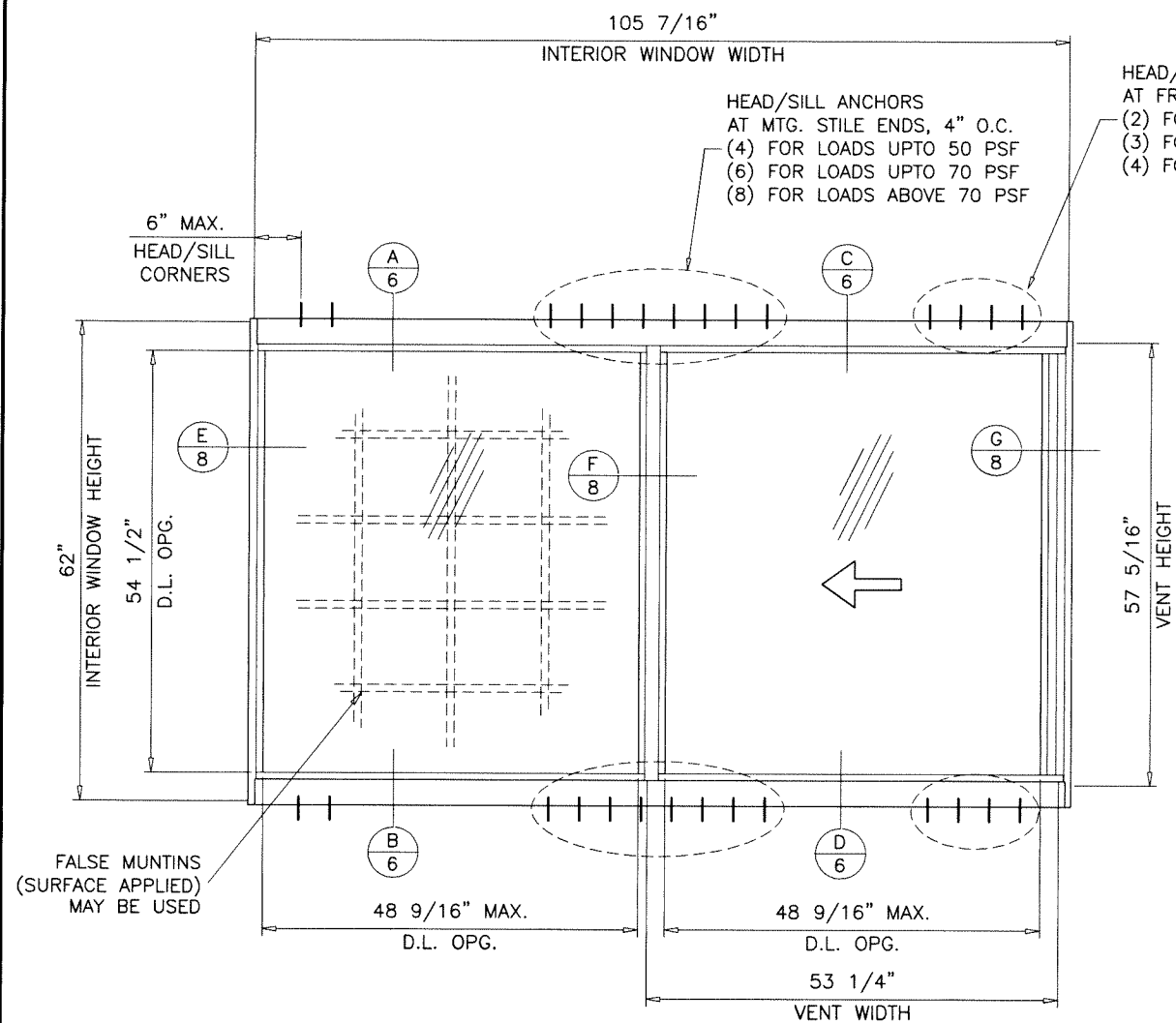


TYPICAL ELEVATIONS
OX

ANCHORED JAMB OPTION

SERIES-100HR

ALUMINUM HORIZONTAL ROLLING WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 4 AND 5.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.R./H.R. OR HORIZONTAL ROLLING WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING F.B.C. 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)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

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

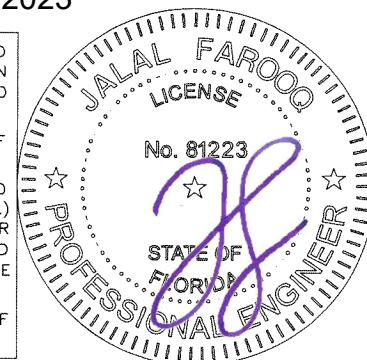
Sealed: 8/8/2023 FL #30312

A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.

B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

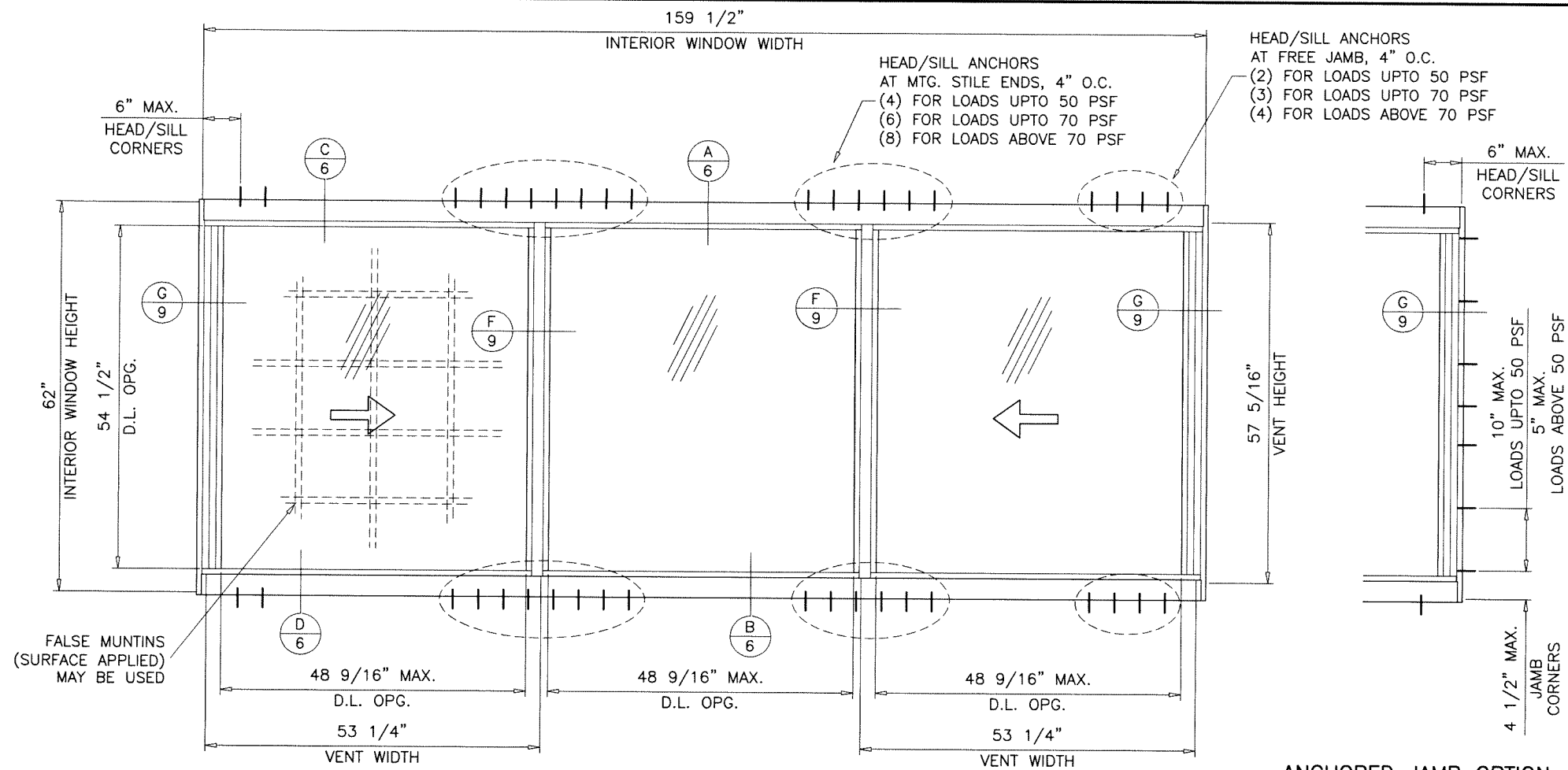
D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



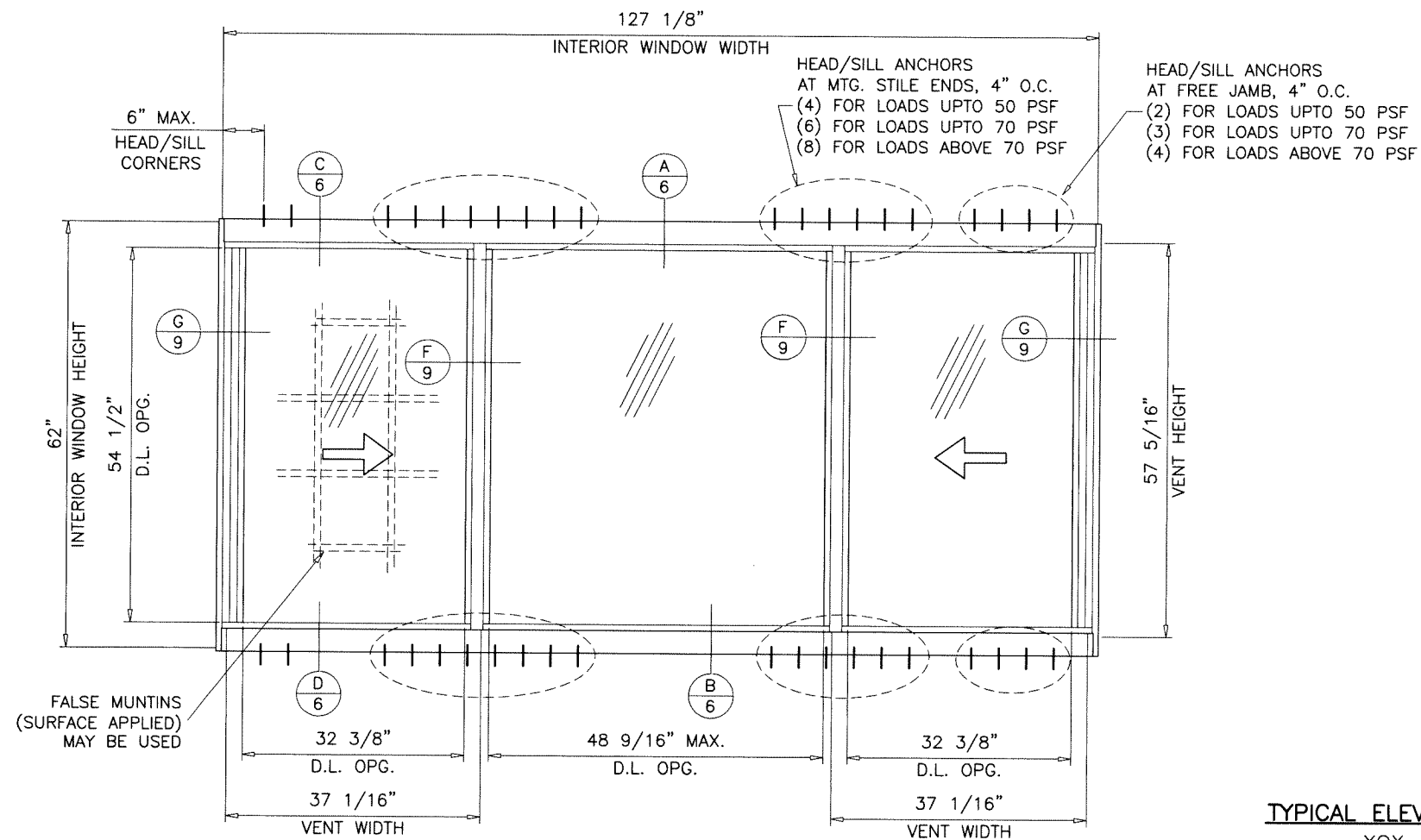
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL \ 19-77F-LWD

SERIES-100HR ALUM. HORIZ. ROLLING WDW. (L.M.I.)
LUXGARD Windows And Doors LLC.
1606 W. 31 Place
Hialeah, FL 33012
Tel. (305) 216-4554 Fax. (-)

revisions:	no.	date	description	by
	A	12.10.19	GLASS TYPE 'C' ADDED	
	B	11.19.20	UPDATED TO 2020 FBC	
	C	08.07.23	UPDATED TO 2023 FBC	
date:	07-25-19	scale:	1/2"=1'-0"	
dr. by:	TARIQ	chk. by:		
drawing no.	19-77F	sheet	1 of 13	



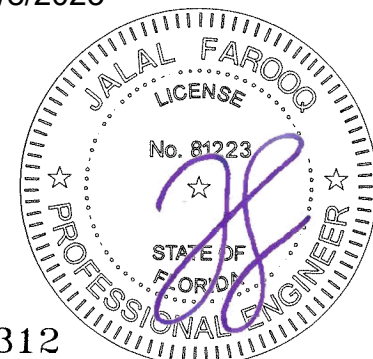
ANCHORED JAMB OPTION



TYPICAL ELEVATIONS

XOX

Sealed: 8/8/2023

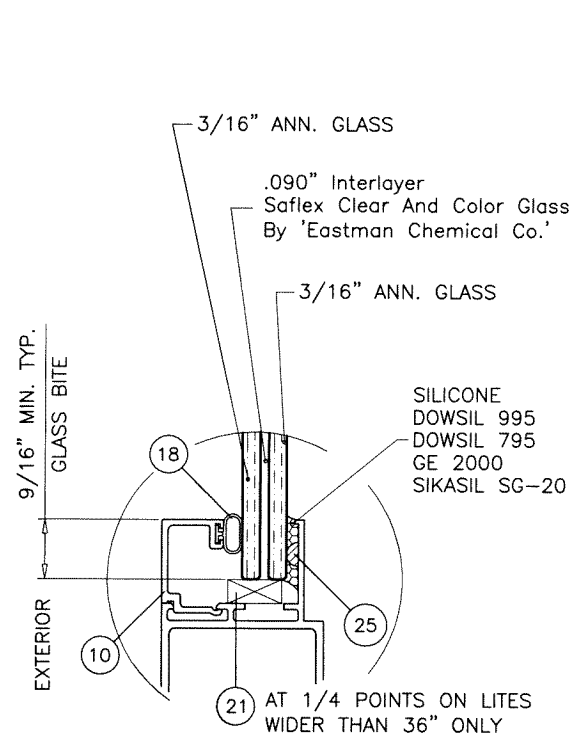


FL #30312

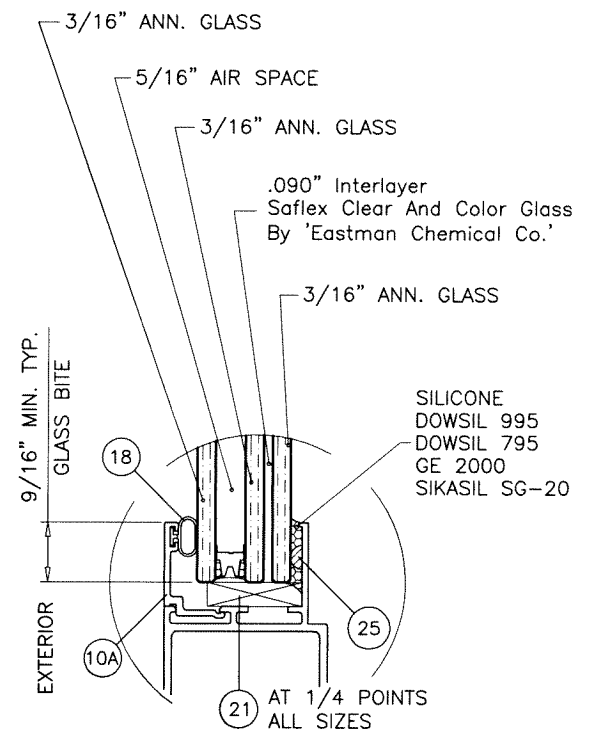
af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
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SERIES-100HR ALUM HORIZ. ROLLING WDW. (L.M.I.)
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 1606 W. 31 Place
 Hialeah, FL 33012
 Tel. (305) 216-4554 Fax. (-)

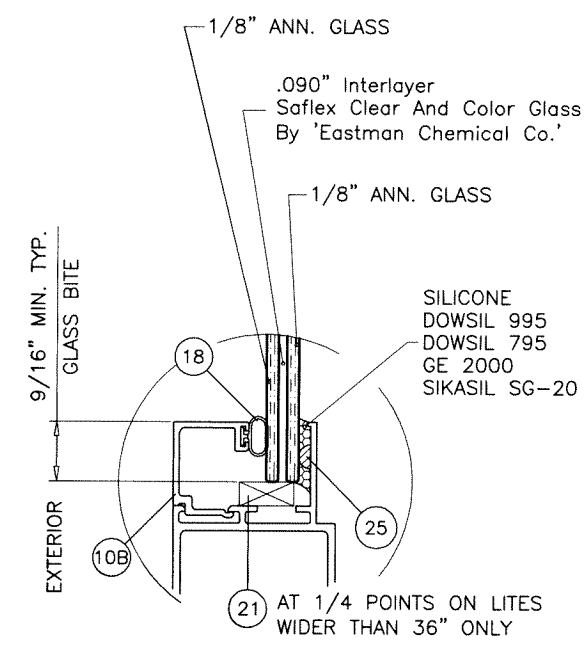
revisions:		no date by description	
date:	07-25-19	scale:	1/2"=1'-0"
dr. by:	TARIQ	chk. by:	
drawing no.		19-77F	
sheet		2 of 13	



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

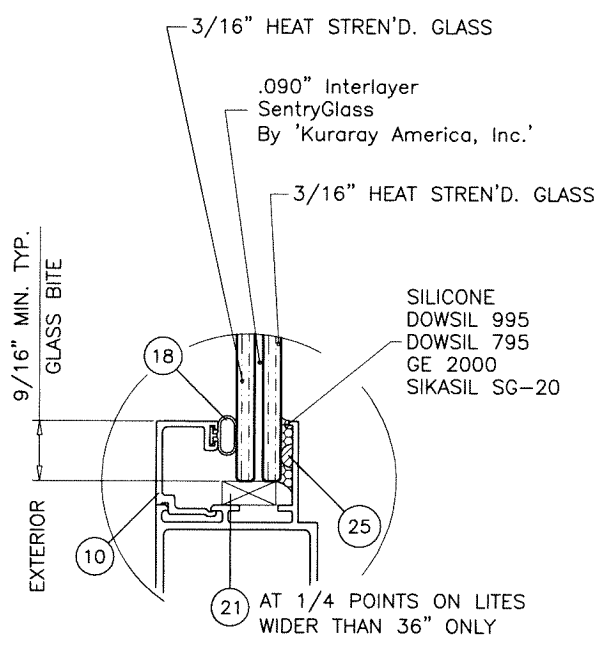


GLASS TYPE 'Ai'
15/16" OVERALL INSUL. LAM. GLASS

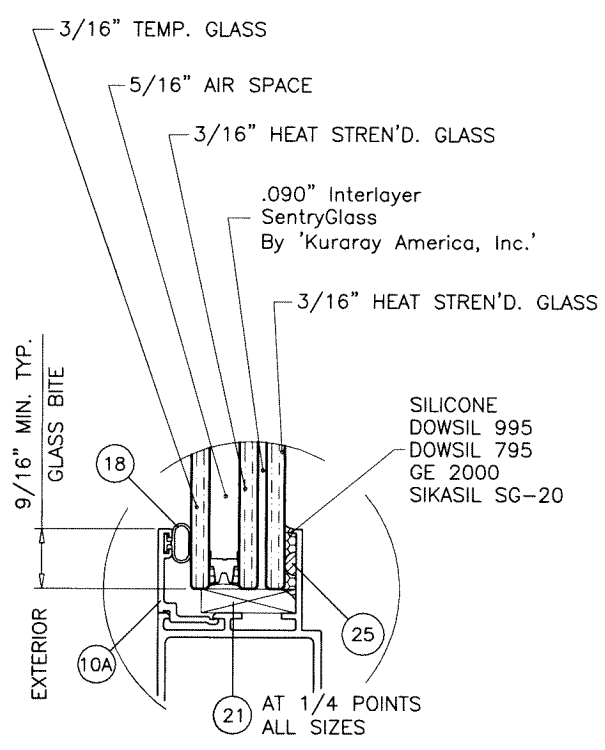


GLASS TYPE 'C'
5/16" OVERALL LAM. GLASS

NOTE:
EXTERIOR LITE OF GLASS TYPE 'Ai' TO BE TEMPERED
FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

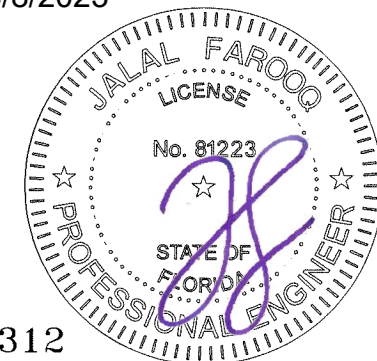


GLASS TYPE 'B'
7/16" OVERALL LAM. GLASS



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

Sealed: 8/8/2023



FL #30312

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)

COMP-ANL\19-77F-LWD

SERIES-100HR ALUM HORIZ. ROLLING WDW. (L.M.I.)

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1606 W. 31 Place
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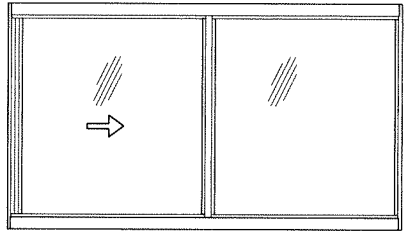
revisions:

no	date	description

date: 07-25-19
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

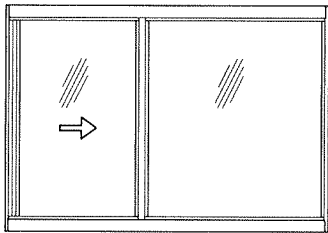
drawing no.
19-77F
sheet 3 of 13

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)							
INTERIOR FRAME DIMS.		W/O REINF.		WITH REINF.			
		GLASS 'A' & 'Ai'		GLASS TYPES 'B' & 'Bi'			
		W/ OR W/O JAMB ANC.		W/O JAMB ANCHORS		W/ JAMB ANCHORS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
25-1/2"	25"	70.0	70.0	80.0	95.0	80.0	95.0
36"		70.0	70.0	80.0	95.0	80.0	95.0
52-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
73"		70.0	70.0	80.0	95.0	80.0	95.0
75-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
105-1/4"		70.0	70.0	80.0	95.0	80.0	95.0
110"		70.0	70.0	80.0	95.0	80.0	95.0
25-1/2"	37-3/8"	70.0	70.0	80.0	95.0	80.0	95.0
36"		70.0	70.0	80.0	95.0	80.0	95.0
52-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
73"		70.0	70.0	80.0	95.0	80.0	95.0
75-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
105-1/4"		70.0	70.0	80.0	95.0	80.0	95.0
110"		70.0	70.0	80.0	95.0	80.0	95.0
25-1/2"	49-5/8"	70.0	70.0	80.0	95.0	80.0	95.0
36"		70.0	70.0	80.0	95.0	80.0	95.0
52-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
73"		70.0	70.0	80.0	95.0	80.0	95.0
75-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
105-1/4"		-	-	80.0	95.0	80.0	95.0
110"		-	-	80.0	95.0	80.0	95.0
25-1/2"	55"	70.0	70.0	80.0	95.0	80.0	95.0
36"		70.0	70.0	80.0	95.0	80.0	95.0
52-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
73"		70.0	70.0	80.0	95.0	80.0	95.0
75-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
105-1/4"		-	-	80.0	95.0	80.0	95.0
110"		-	-	80.0	95.0	80.0	95.0
25-1/2"	62"	70.0	70.0	80.0	95.0	80.0	95.0
36"		70.0	70.0	80.0	95.0	80.0	95.0
52-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
73"		70.0	70.0	80.0	94.6	80.0	95.0
75-1/8"		70.0	70.0	80.0	92.7	80.0	95.0
105-1/4"		-	-	76.6	76.6	80.0	95.0
23"	23"	70.0	70.0	80.0	95.0	80.0	95.0
47"		70.0	70.0	80.0	95.0	80.0	95.0
71"		70.0	70.0	80.0	95.0	80.0	95.0
83"		70.0	70.0	80.0	95.0	80.0	95.0
95"		70.0	70.0	80.0	95.0	80.0	95.0
107"		70.0	70.0	80.0	95.0	80.0	95.0
23"	35"	70.0	70.0	80.0	95.0	80.0	95.0
47"		70.0	70.0	80.0	95.0	80.0	95.0
71"		70.0	70.0	80.0	95.0	80.0	95.0
83"		70.0	70.0	80.0	95.0	80.0	95.0
95"		70.0	70.0	80.0	95.0	80.0	95.0
107"		70.0	70.0	80.0	95.0	80.0	95.0
23"	47"	70.0	70.0	80.0	95.0	80.0	95.0
47"		70.0	70.0	80.0	95.0	80.0	95.0
71"		70.0	70.0	80.0	95.0	80.0	95.0
83"		70.0	70.0	80.0	95.0	80.0	95.0
95"		70.0	70.0	80.0	95.0	80.0	95.0
107"		70.0	70.0	80.0	95.0	80.0	95.0
23"	59"	70.0	70.0	80.0	95.0	80.0	95.0
47"		70.0	70.0	80.0	95.0	80.0	95.0
71"		70.0	70.0	80.0	95.0	80.0	95.0
83"		-	-	80.0	95.0	80.0	95.0
95"		-	-	80.0	90.8	80.0	95.0
107"		-	-	80.0	87.1	80.0	95.0



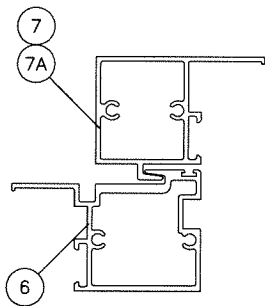
OPERATING VENTS TO BE 1/2 OF WINDOW WIDTH

'XO OR OX'

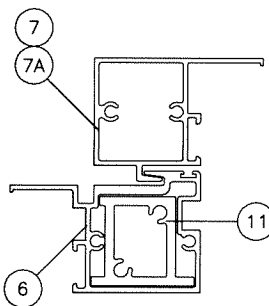


OPERATING VENTS TO BE 1/4 TO 1/3 OF WINDOW WIDTH

'XO OR OX'



FIX. STILE
W/O REINF.



FIX. STILE
WITH REINF.

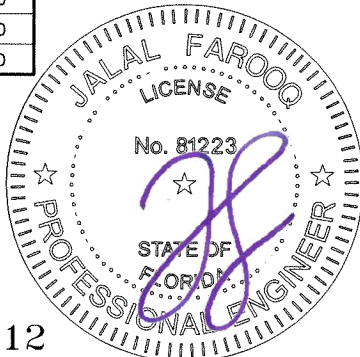
EXTERIOR LOADS SHOWN IN CHARTS ARE FOR
WINDOWS WITH APPLIED RISER AT FRAME SILL.
FOR STANDARD SILL (NO RISER) LIMIT MAX.
EXTERIOR LOADS TO +66.7 PSF
SEE SHEET 6 FOR DETAILS.

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 (XO OR OX SIZES)							
INTERIOR FRAME DIMS.		W/O REINF.		WITH REINF.			
		GLASS 'A' & 'Ai'		GLASS TYPES 'B' & 'Bi'			
		W/ OR W/O JAMB ANC.		W/O JAMB ANCHORS		W/ JAMB ANCHORS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
25-1/2"	25"	70.0	70.0	80.0	95.0	80.0	95.0
36"		70.0	70.0	80.0	95.0	80.0	95.0
52-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
73"		70.0	70.0	80.0	95.0	80.0	95.0
75-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
105-1/4"		70.0	70.0	80.0	95.0	80.0	95.0
110"		70.0	70.0	80.0	95.0	80.0	95.0
25-1/2"	37-3/8"	70.0	70.0	80.0	95.0	80.0	95.0
36"		70.0	70.0	80.0	95.0	80.0	95.0
52-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
73"		70.0	70.0	80.0	95.0	80.0	95.0
75-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
105-1/4"		-	-	80.0	95.0	80.0	95.0
110"		-	-	80.0	95.0	80.0	95.0
25-1/2"	49-5/8"	70.0	70.0	80.0	95.0	80.0	95.0
36"		70.0	70.0	80.0	95.0	80.0	95.0
52-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
73"		-	-	80.0	95.0	80.0	95.0
75-1/8"		-	-	80.0	95.0	80.0	95.0
105-1/4"		-	-	80.0	95.0	80.0	95.0
110"		-	-	80.0	95.0	80.0	95.0
25-1/2"	55"	70.0	70.0	80.0	95.0	80.0	95.0
36"		70.0	70.0	80.0	95.0	80.0	95.0
52-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
73"		-	-	80.0	95.0	80.0	95.0
75-1/8"		-	-	80.0	95.0	80.0	95.0
105-1/4"		-	-	80.0	95.0	80.0	95.0
110"		-	-	80.0	95.0	80.0	95.0
25-1/2"	62"	70.0	70.0	80.0	95.0	80.0	95.0
36"		70.0	70.0	80.0	95.0	80.0	95.0
52-1/8"		70.0	70.0	80.0	95.0	80.0	95.0
73"		-	-	79.1	79.1	80.0	95.0
75-1/8"		-	-	78.1	78.1	80.0	95.0
105-1/4"		-	-	78.1	78.1	80.0	95.0
110"		-	-	78.1	78.1	80.0	95.0
23"	23"	70.0	70.0	80.0	95.0	80.0	95.0
47"		70.0	70.0	80.0	95.0	80.0	95.0
71"		70.0	70.0	80.0	95.0	80.0	95.0
83"		70.0	70.0	80.0	95.0	80.0	95.0
95"		70.0	70.0	80.0	95.0	80.0	95.0
107"		70.0	70.0	80.0	95.0	80.0	95.0
23"	35"	70.0	70.0	80.0	95.0	80.0	95.0
47"		70.0	70.0	80.0	95.0	80.0	95.0
71"		70.0	70.0	80.0	95.0	80.0	95.0
83"		70.0	70.0	80.0	95.0	80.0	95.0
95"		70.0	70.0	80.0	95.0	80.0	95.0
107"		-	-	80.0	95.0	80.0	95.0
23"	47"	70.0	70.0	80.0	95.0	80.0	95.0
47"		70.0	70.0	80.0	95.0	80.0	95.0
71"		70.0	70.0	80.0	95.0	80.0	95.0
83"		-	-	80.0	95.0	80.0	95.0
95"		-	-	80.0	95.0	80.0	95.0
107"		-	-	80.0	95.0	80.0	95.0
23"	59"	70.0	70.0	80.0	95.0	80.0	95.0
47"		70.0	70.0	80.0	95.0	80.0	95.0
71"		-	-	80.0	90.9	80.0	95.0
83"		-	-	80.0	86.5	80.0	95.0
95"		-	-	80.0	86.5	80.0	95.0
107"		-	-	80.0	86.5	80.0	95.0

Sealed: 8/8/2023

FL #30312



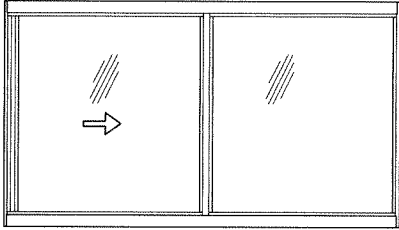
AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
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revisions:
no date by description
date: 07-25-19
scale: -
dr. by: TARIO
chk. by:
drawing no.
19-77F
sheet 4 of 13

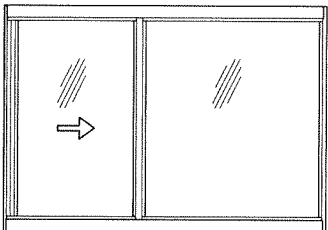
DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)			
INTERIOR FRAME DIMS.		W/O REINF.	
		GLASS TYPE 'C'	
		W/ OR W/O JAMB ANC.	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
25-1/2"	25"	55.0	55.0
36"		55.0	55.0
52-1/8"		55.0	55.0
73"		55.0	55.0
75-1/8"		55.0	55.0
105-1/4"		55.0	55.0
110"		55.0	55.0
25-1/2"	37-3/8"	55.0	55.0
36"		55.0	55.0
52-1/8"		55.0	55.0
73"		55.0	55.0
75-1/8"		55.0	55.0
105-1/4"		55.0	55.0
110"		55.0	55.0
25-1/2"	49-5/8"	55.0	55.0
36"		55.0	55.0
52-1/8"		55.0	55.0
73"		55.0	55.0
75-1/8"	55"	55.0	55.0
25-1/2"		55.0	55.0
36"		55.0	55.0
52-1/8"		55.0	55.0
73"	62"	55.0	55.0
75-1/8"		55.0	55.0
23"	23"	55.0	55.0
47"		55.0	55.0
71"		55.0	55.0
83"		55.0	55.0
95"		55.0	55.0
107"		55.0	55.0
23"	35"	55.0	55.0
47"		55.0	55.0
71"		55.0	55.0
83"		55.0	55.0
95"		55.0	55.0
107"		55.0	55.0
23"	47"	55.0	55.0
47"		55.0	55.0
71"		55.0	55.0
83"		55.0	55.0
95"	59"	55.0	55.0
23"		55.0	55.0
47"		55.0	55.0
71"	59"	55.0	55.0
71"		55.0	55.0

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



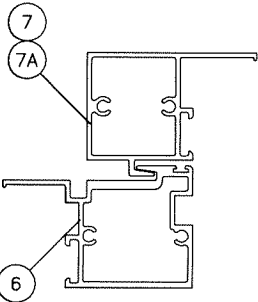
OPERATING VENTS TO BE 1/2 OF WINDOW WIDTH

'XO OR OX'



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

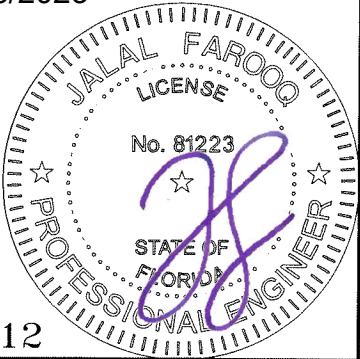
'XO OR OX'



FIX. STILE
W/O REINF.

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)			
INTERIOR FRAME DIMS.		W/O REINF.	
		GLASS TYPE 'C'	
		W/ OR W/O JAMB ANC.	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
25-1/2"	25"	55.0	55.0
36"		55.0	55.0
52-1/8"		55.0	55.0
73"		55.0	55.0
75-1/8"		55.0	55.0
105-1/4"		55.0	55.0
110"		55.0	55.0
25-1/2"	37-3/8"	55.0	55.0
36"		55.0	55.0
52-1/8"		55.0	55.0
73"		55.0	55.0
75-1/8"	49-5/8"	55.0	55.0
25-1/2"		55.0	55.0
36"	55"	55.0	55.0
52-1/8"		55.0	55.0
25-1/2"	62"	55.0	55.0
36"		55.0	55.0
52-1/8"	23"	55.0	55.0
23"		55.0	55.0
47"		55.0	55.0
71"		55.0	55.0
83"		55.0	55.0
95"	35"	55.0	55.0
107"		55.0	55.0
23"		55.0	55.0
47"		55.0	55.0
71"	47"	55.0	55.0
23"		55.0	55.0
47"	59"	55.0	55.0
71"		55.0	55.0

Sealed: 8/8/2023



FL #30312



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 262-6978 FAX. (305) 262-6978
COMP-ANL \ 19-77F-LWD

SERIES-100HR ALUM. HORIZ. ROLLING WDW. (L.M.I.)

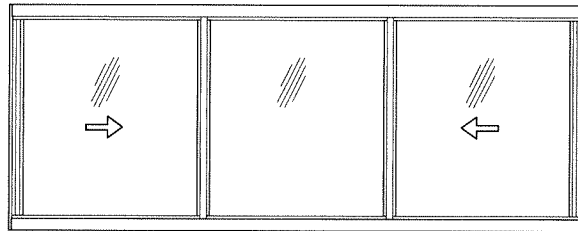
LUXGARD Windows And Doors LLC.
1606 W. 31 Place
Hialeah, FL 33012
Tel. (305) 216-4554 Fax. (-)

revisions:
no. date by description

date: 07-25-19
scale: -
dr. by: TARIQ
chk. by:

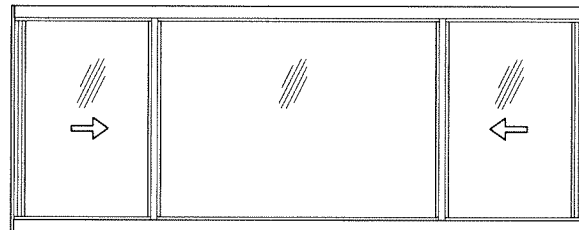
drawing no.
19-77F
sheet 4.1 of 13

DESIGN LOAD CAPACITY - PSF (XOX SIZES)							
INTERIOR FRAME DIMS.		W/O REINF.		WITH REINF.			
		GLASS 'A' & 'Ai'		GLASS TYPES 'B' & 'Bi'			
		W/ OR W/O JAMB ANC.		W/O JAMB ANCHORS		W/ JAMB ANCHORS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
73"	25"	70.0	70.0	80.0	95.0	80.0	95.0
105-1/4"		70.0	70.0	80.0	95.0	80.0	95.0
110"		70.0	70.0	80.0	95.0	80.0	95.0
111"		70.0	70.0	80.0	95.0	80.0	95.0
159-1/2"		-	-	80.0	95.0	80.0	95.0
73"	37-3/8"	70.0	70.0	80.0	95.0	80.0	95.0
105-1/4"		70.0	70.0	80.0	95.0	80.0	95.0
110"		70.0	70.0	80.0	95.0	80.0	95.0
111"		70.0	70.0	80.0	95.0	80.0	95.0
159-1/2"		-	-	80.0	95.0	80.0	95.0
73"	49-5/8"	70.0	70.0	80.0	95.0	80.0	95.0
105-1/4"		70.0	70.0	80.0	95.0	80.0	95.0
110"		70.0	70.0	80.0	95.0	80.0	95.0
111"		70.0	70.0	80.0	95.0	80.0	95.0
159-1/2"		-	-	80.0	95.0	80.0	95.0
73"	55"	70.0	70.0	80.0	95.0	80.0	95.0
105-1/4"		70.0	70.0	80.0	95.0	80.0	95.0
110"		70.0	70.0	80.0	95.0	80.0	95.0
111"		70.0	70.0	80.0	95.0	80.0	95.0
159-1/2"		-	-	80.0	95.0	80.0	95.0
73"	62"	70.0	70.0	80.0	95.0	80.0	95.0
105-1/4"		70.0	70.0	80.0	95.0	80.0	95.0
110"		70.0	70.0	80.0	94.3	80.0	95.0
111"		70.0	70.0	80.0	93.7	80.0	95.0
159-1/2"		-	-	76.3	76.3	80.0	95.0
71"	23"	70.0	70.0	80.0	95.0	80.0	95.0
83"		70.0	70.0	80.0	95.0	80.0	95.0
95"		70.0	70.0	80.0	95.0	80.0	95.0
107"		70.0	70.0	80.0	95.0	80.0	95.0
119"		70.0	70.0	80.0	95.0	80.0	95.0
131"		70.0	70.0	80.0	95.0	80.0	95.0
143"		70.0	70.0	80.0	95.0	80.0	95.0
155"		70.0	70.0	80.0	95.0	80.0	95.0
71"	35"	70.0	70.0	80.0	95.0	80.0	95.0
83"		70.0	70.0	80.0	95.0	80.0	95.0
95"		70.0	70.0	80.0	95.0	80.0	95.0
107"		70.0	70.0	80.0	95.0	80.0	95.0
119"		70.0	70.0	80.0	95.0	80.0	95.0
131"		70.0	70.0	80.0	95.0	80.0	95.0
143"		70.0	70.0	80.0	95.0	80.0	95.0
155"		70.0	70.0	80.0	95.0	80.0	95.0
71"	47"	70.0	70.0	80.0	95.0	80.0	95.0
83"		70.0	70.0	80.0	95.0	80.0	95.0
95"		70.0	70.0	80.0	95.0	80.0	95.0
107"		70.0	70.0	80.0	95.0	80.0	95.0
119"		70.0	70.0	80.0	95.0	80.0	95.0
131"		70.0	70.0	80.0	95.0	80.0	95.0
143"		70.0	70.0	80.0	95.0	80.0	95.0
155"		-	-	80.0	95.0	80.0	95.0
71"	59"	70.0	70.0	80.0	95.0	80.0	95.0
83"		70.0	70.0	80.0	95.0	80.0	95.0
95"		70.0	70.0	80.0	95.0	80.0	95.0
107"		70.0	70.0	80.0	95.0	80.0	95.0
119"		-	-	80.0	95.0	80.0	95.0
131"		-	-	80.0	94.6	80.0	95.0
143"		-	-	80.0	90.6	80.0	95.0
155"		-	-	80.0	87.6	80.0	95.0



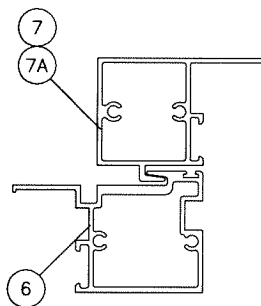
OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

'XOX'

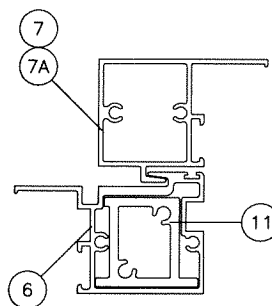


OPERATING VENTS TO BE 1/4 TO 1/3 OF THE WINDOW WIDTH

'XOX'



FIX. STILE
W/O REINF.



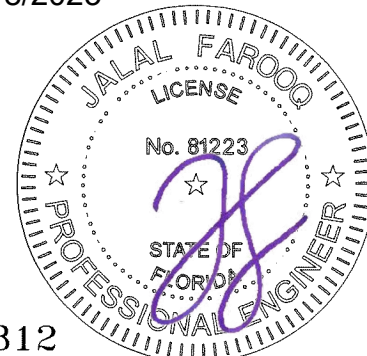
FIX. STILE
WITH REINF.

EXTERIOR LOADS SHOWN IN CHARTS ARE FOR
WINDOWS WITH APPLIED RISER AT FRAME SILL.
FOR STANDARD SILL (NO RISER) LIMIT MAX.
EXTERIOR LOADS TO +66.7 PSF
SEE SHEET 6 FOR DETAILS.

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)					
INTERIOR FRAME DIMS.		W/O REINF.		WITH REINF.	
		GLASS 'A' & 'Ai'		GLASS 'B' & 'Bi'	
		W/ OR W/O JAMB ANC.		W/ OR W/O JAMB ANC.	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
73"	25"	70.0	70.0	80.0	95.0
105-1/4"		70.0	70.0	80.0	95.0
110"		70.0	70.0	80.0	95.0
111"		70.0	70.0	80.0	95.0
159-1/2"		70.0	70.0	80.0	95.0
73"	37-3/8"	70.0	70.0	80.0	95.0
105-1/4"		70.0	70.0	80.0	95.0
110"		70.0	70.0	80.0	95.0
111"		70.0	70.0	80.0	95.0
159-1/2"		-	-	80.0	95.0
73"	49-5/8"	70.0	70.0	80.0	95.0
105-1/4"		-	-	80.0	95.0
110"		-	-	80.0	95.0
111"		-	-	80.0	95.0
159-1/2"		-	-	80.0	95.0
73"	55"	70.0	70.0	80.0	95.0
105-1/4"		-	-	80.0	95.0
110"		-	-	80.0	95.0
111"		-	-	80.0	95.0
159-1/2"		-	-	80.0	95.0
73"	62"	70.0	70.0	80.0	95.0
105-1/4"		-	-	80.0	95.0
71"	23"	70.0	70.0	80.0	95.0
83"		70.0	70.0	80.0	95.0
95"		70.0	70.0	80.0	95.0
107"		70.0	70.0	80.0	95.0
119"		70.0	70.0	80.0	95.0
131"		70.0	70.0	80.0	95.0
143"		70.0	70.0	80.0	95.0
155"		70.0	70.0	80.0	95.0
71"	35"	70.0	70.0	80.0	95.0
83"		70.0	70.0	80.0	95.0
95"		70.0	70.0	80.0	95.0
107"		70.0	70.0	80.0	95.0
119"		70.0	70.0	80.0	95.0
131"		70.0	70.0	80.0	95.0
143"		-	-	80.0	95.0
155"		-	-	80.0	95.0
71"	47"	70.0	70.0	80.0	95.0
83"		70.0	70.0	80.0	95.0
95"		70.0	70.0	80.0	95.0
107"		-	-	80.0	95.0
119"		-	-	80.0	95.0
131"		-	-	80.0	95.0
143"		-	-	80.0	95.0
155"		-	-	80.0	95.0
71"	59"	70.0	70.0	80.0	95.0
83"		-	-	80.0	95.0
95"		-	-	80.0	95.0
107"		-	-	80.0	95.0
119"		-	-	80.0	95.0
131"		-	-	80.0	95.0
143"		-	-	80.0	95.0
155"		-	-	80.0	95.0

Sealed: 8/8/2023



FL #30312

afc

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

SERIES-100HR ALUM. HORIZ. ROLLING WDW. (L.M.I.)

LUXGARD Windows And Doors LLC.

1606 W. 31 Place
Hialeah, FL 33012

Tel. (305) 216-4554 Fax. (-)

revisions:
no. date by description

date: 07-25-19

scale: -

dr. by: TARIQ

chk. by:

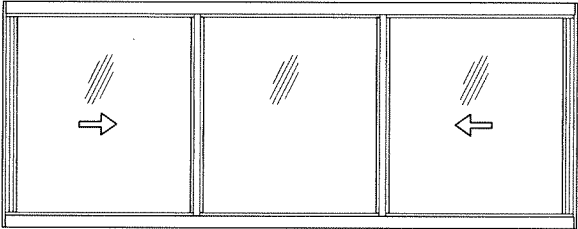
drawing no.

19-77F

sheet 5 of 13

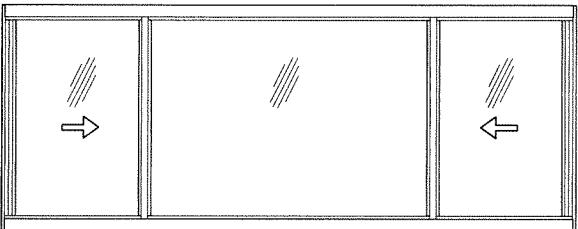
COMP-ANL \ 19-77F-LWD

DESIGN LOAD CAPACITY - PSF (XOX SIZES)			
INTERIOR FRAME DIMS.		W/O REINF.	
		GLASS TYPE 'C'	
		W/ OR W/O JAMB ANC.	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
73"	25"	55.0	55.0
105-1/4"		55.0	55.0
110"		55.0	55.0
111"		55.0	55.0
73"	37-3/8"	55.0	55.0
105-1/4"		55.0	55.0
110"		55.0	55.0
111"		55.0	55.0
73"	49-5/8"	55.0	55.0
105-1/4"		55.0	55.0
110"		55.0	55.0
111"		55.0	55.0
73"	55"	55.0	55.0
105-1/4"		55.0	55.0
110"		55.0	55.0
111"		55.0	55.0
73"	62"	55.0	55.0
105-1/4"		55.0	55.0
110"		55.0	55.0
111"		55.0	55.0
71"	23"	55.0	55.0
83"		55.0	55.0
95"		55.0	55.0
107"		55.0	55.0
119"		55.0	55.0
131"		55.0	55.0
143"		55.0	55.0
155"		55.0	55.0
71"	35"	55.0	55.0
83"		55.0	55.0
95"		55.0	55.0
107"		55.0	55.0
119"		55.0	55.0
131"		55.0	55.0
143"		55.0	55.0
155"		55.0	55.0
71"	47"	55.0	55.0
83"		55.0	55.0
95"		55.0	55.0
107"		55.0	55.0
119"		55.0	55.0
131"		55.0	55.0
143"		55.0	55.0
71"	59"	55.0	55.0
83"		55.0	55.0
95"		55.0	55.0
107"		55.0	55.0



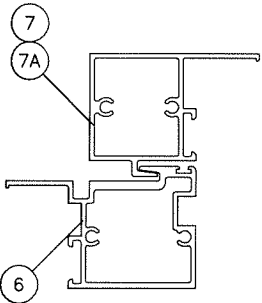
OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

'XOX'



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

'XOX'



FIX. STILE
W/O REINF.

DESIGN LOAD CAPACITY - PSF (XOX SIZES)			
INTERIOR FRAME DIMS.		W/O REINF.	
		GLASS TYPE 'C'	
		W/ OR W/O JAMB ANC.	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
73"	25"	55.0	55.0
105-1/4"		55.0	55.0
110"		55.0	55.0
111"		55.0	55.0
159-1/2"		55.0	55.0
73"	37-3/8"	55.0	55.0
105-1/4"		55.0	55.0
110"		55.0	55.0
111"		55.0	55.0
73"	49-5/8"	55.0	55.0
73"	55"	55.0	55.0
73"	62"	55.0	55.0
71"	23"	55.0	55.0
83"		55.0	55.0
95"		55.0	55.0
107"		55.0	55.0
119"		55.0	55.0
131"		55.0	55.0
143"		55.0	55.0
155"		55.0	55.0
71"	35"	55.0	55.0
83"		55.0	55.0
95"		55.0	55.0
107"		55.0	55.0
119"	47"	55.0	55.0
131"		55.0	55.0
71"		55.0	55.0
83"	47"	55.0	55.0
95"		55.0	55.0
71"	59"	55.0	55.0

afC

AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT

9360 SUNSET DRIVE, SUITE 220

MIAMI, FLORIDA 33173

TEL. (305) 264-8100

FAX. (305) 262-6978

COMP-ANL\19-77F-LWD

SERIES-100HR ALUM HORIZ. ROLLING WDW. (L.M.I.)

LUXGARD Windows And Doors LLC.

1606 W. 31 Place

Hialeah, FL 33012

Tel. (305) 216-4554

Fax. (-)

revisions:

no	date	by	description

date: 07-25-19

scale: -

dr. by: TARIQ

chk. by:

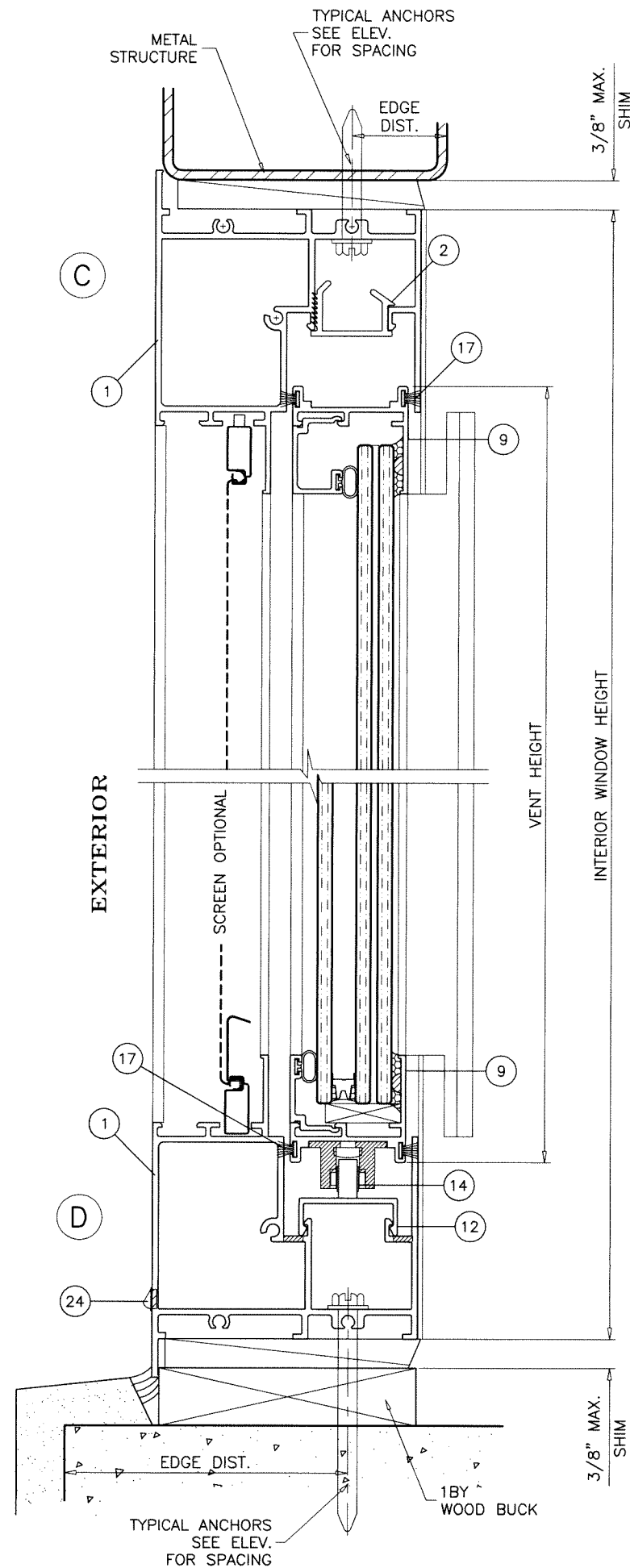
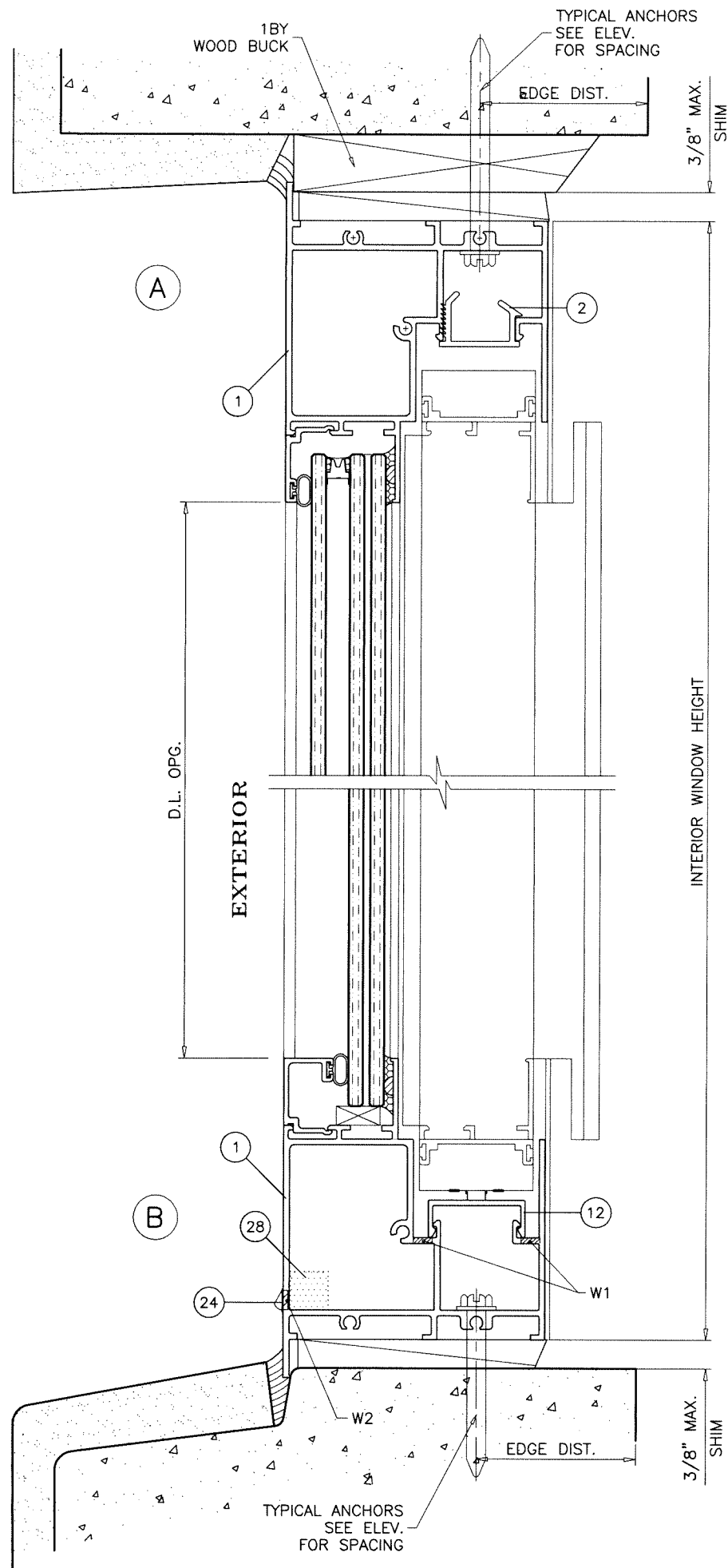
drawing no.
19-77F

sheet 5.1 of 13

Sealed: 8/8/2023

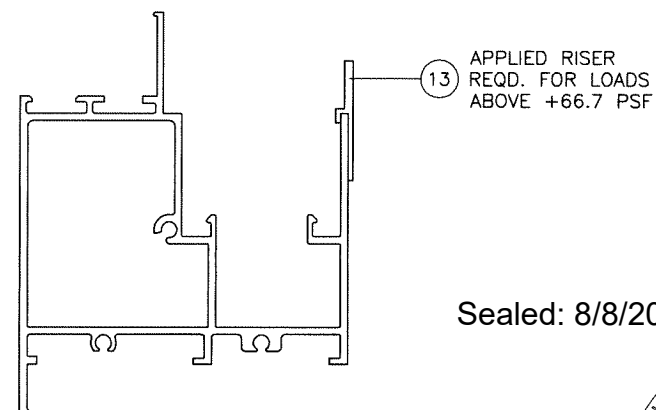
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

FL #30312

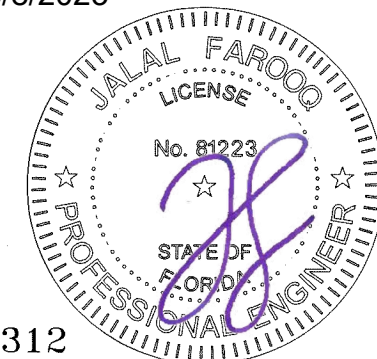


WEEPHOLES:

- W1 = 5/16" X 2" NOTCH AT EACH END
W2 = 5/16" X 1-3/4" WEEP NOTCHES AT 4-1/2" FROM EACH END AND 50" O.C. WITH BAFFLE.



Sealed: 8/8/2023

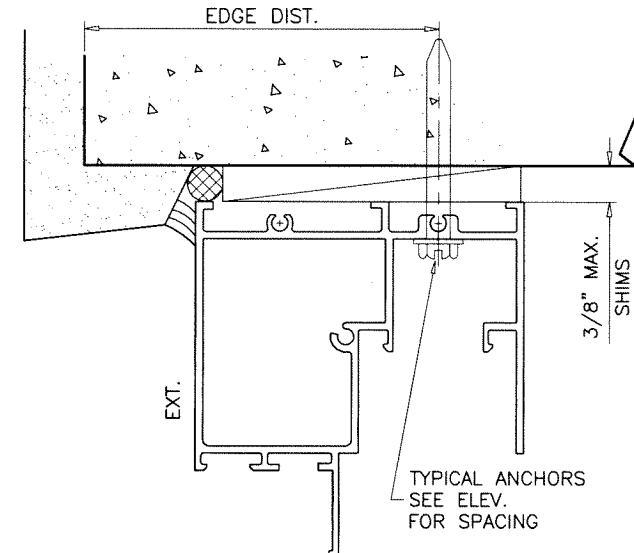
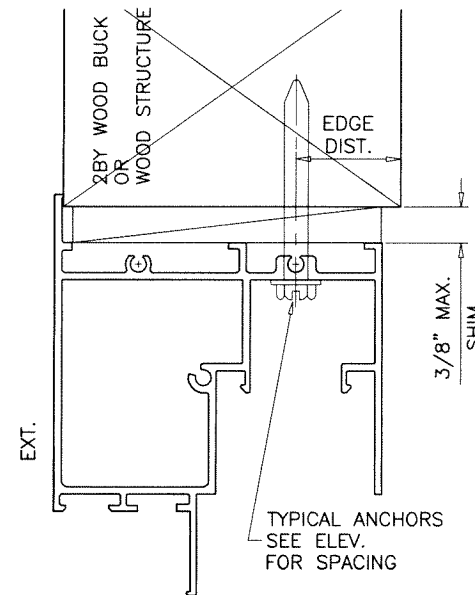
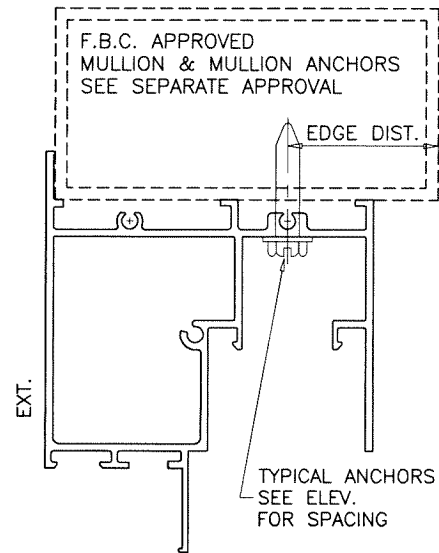


FL #30312

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL \ 19-77F-LWD

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Tel. (305) 216-4554 Fax. (-)

revisions:		no date by description	
date:	07-25-19	no	date
scale:	1/2" = 1"	by	description
dr. by:	TARIQ		
chk. by:			
drawing no.		19-77F	
sheet		6 of 13	



FLUSH FRAME WITH
TRIMMED EXTERIOR FLANGE

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

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)

INTO WOOD STRUCTURES

2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY OR 2BY WOOD BUCKS INTO CONC. OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS

2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)

INTO F.B.C. 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. (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.

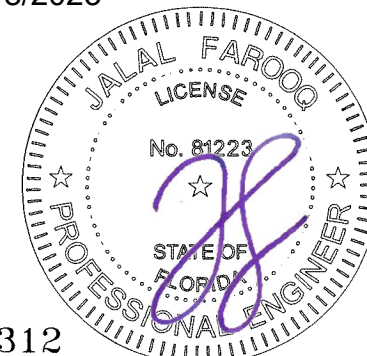
INTO METAL STRUCTURE = 3/4" MIN.

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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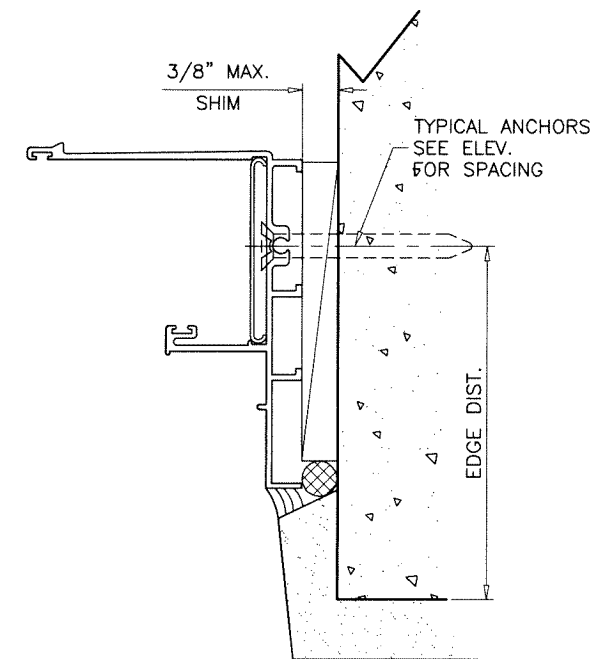
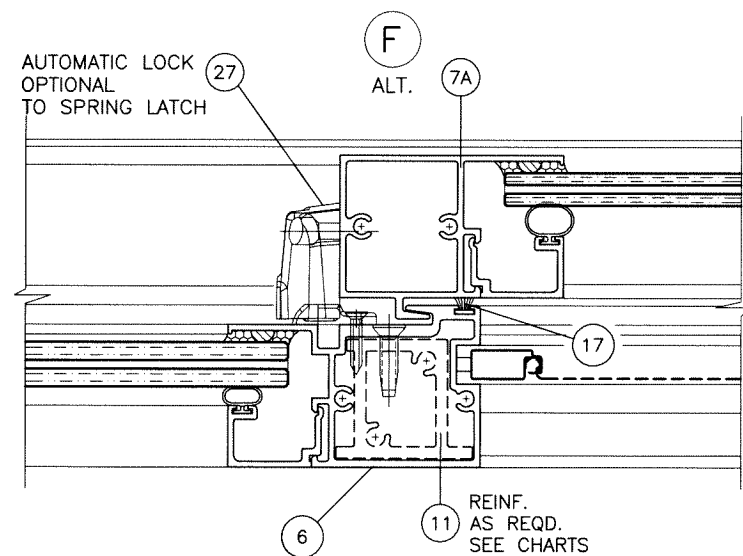
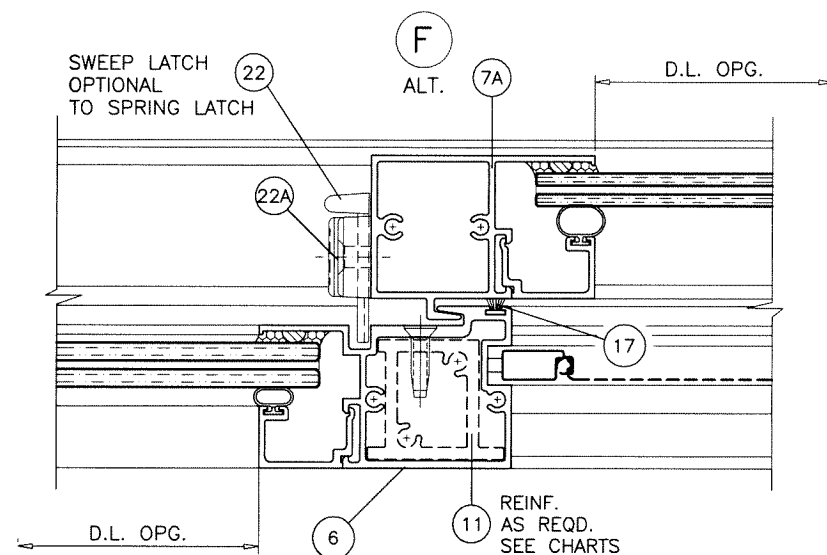
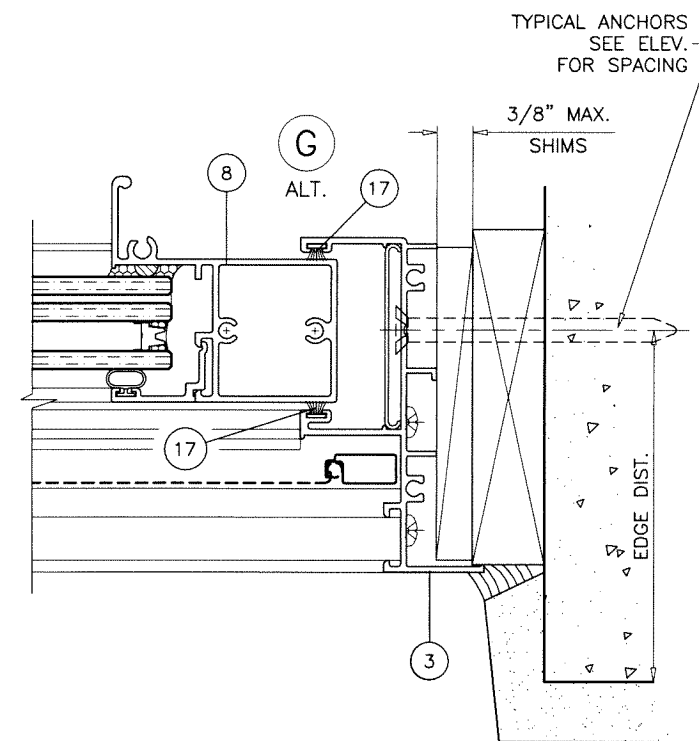
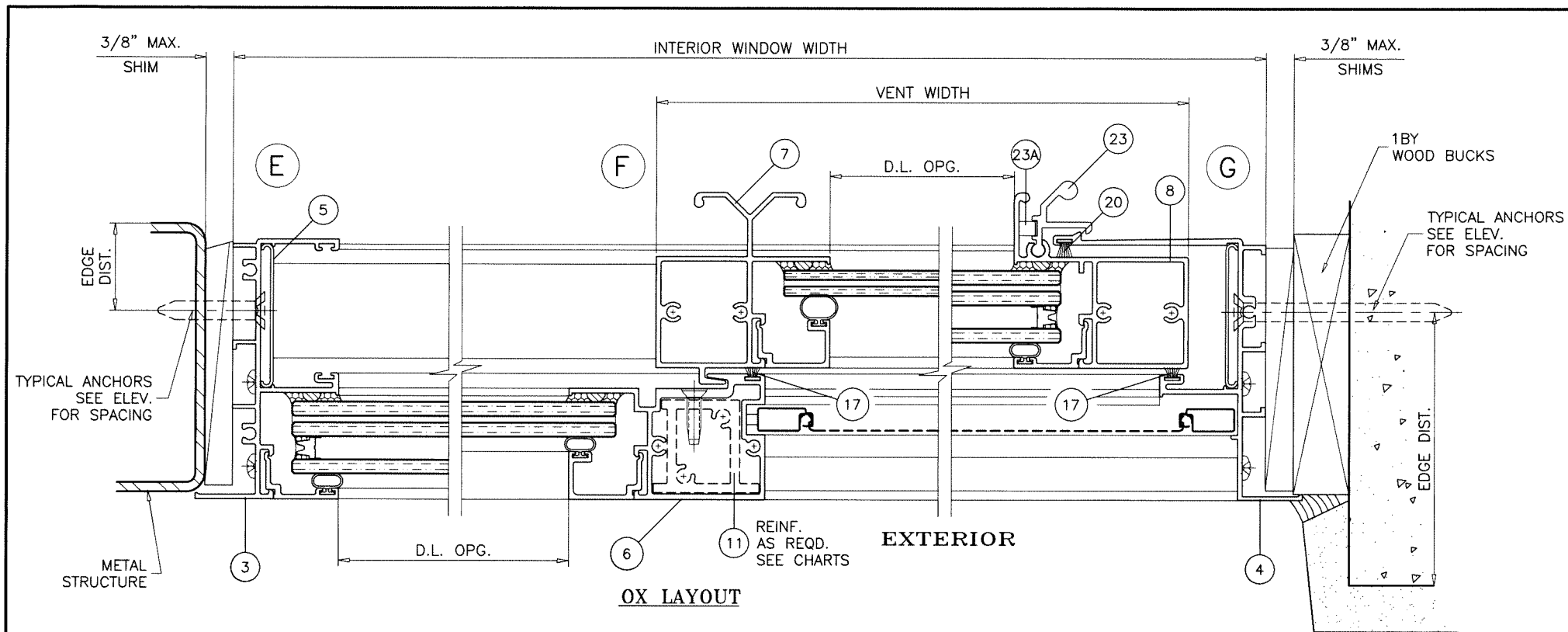


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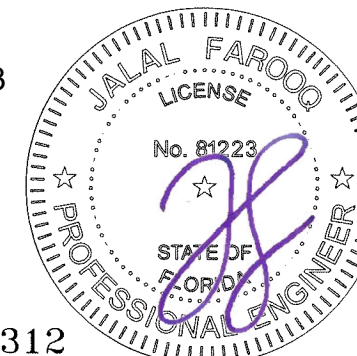
SERIES-100HR ALUM HORIZ. ROLLING WDW. (L.M.I.)
LUXGARD Windows And Doors LLC.
1606 W. 31 Place
Hialeah, FL 33012
Tel. (305) 216-4554 Fax. (-)

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drawing no.	19-77F	sheet	7 of 13



FLUSH FRAME WITH
TRIMMED EXTERIOR FLANGE
APPLICABLE TO MOV. AND FIX. JAMBS

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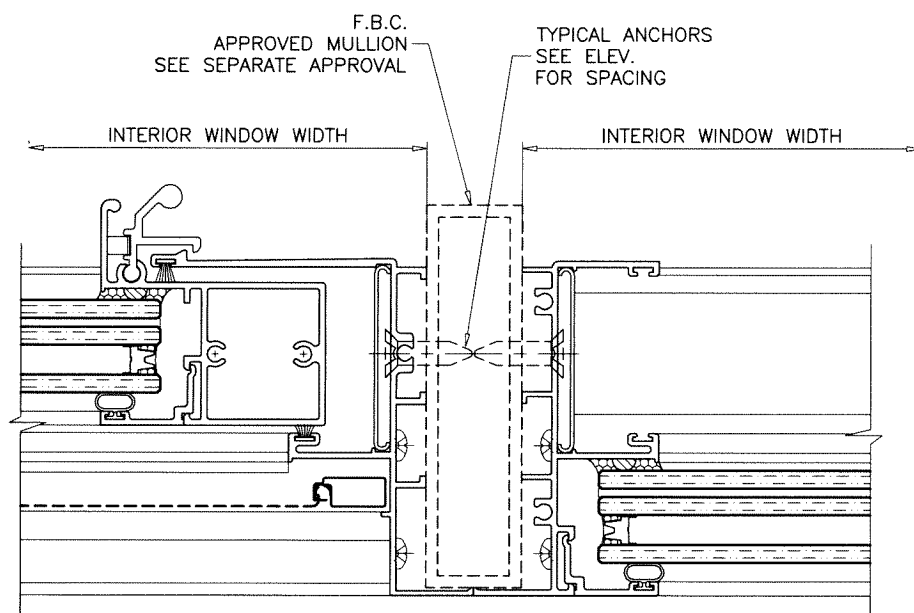
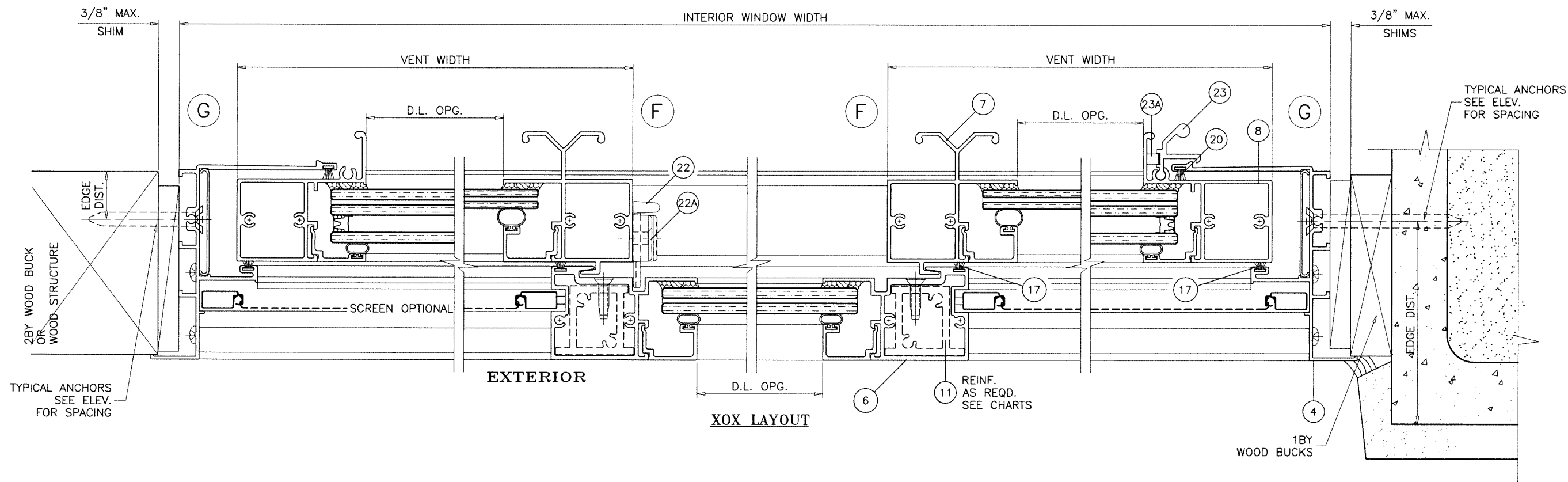
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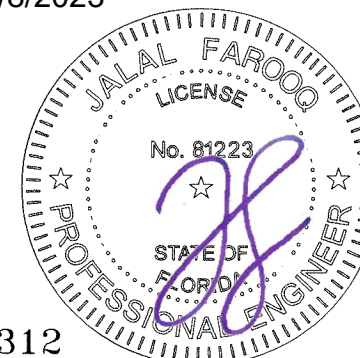
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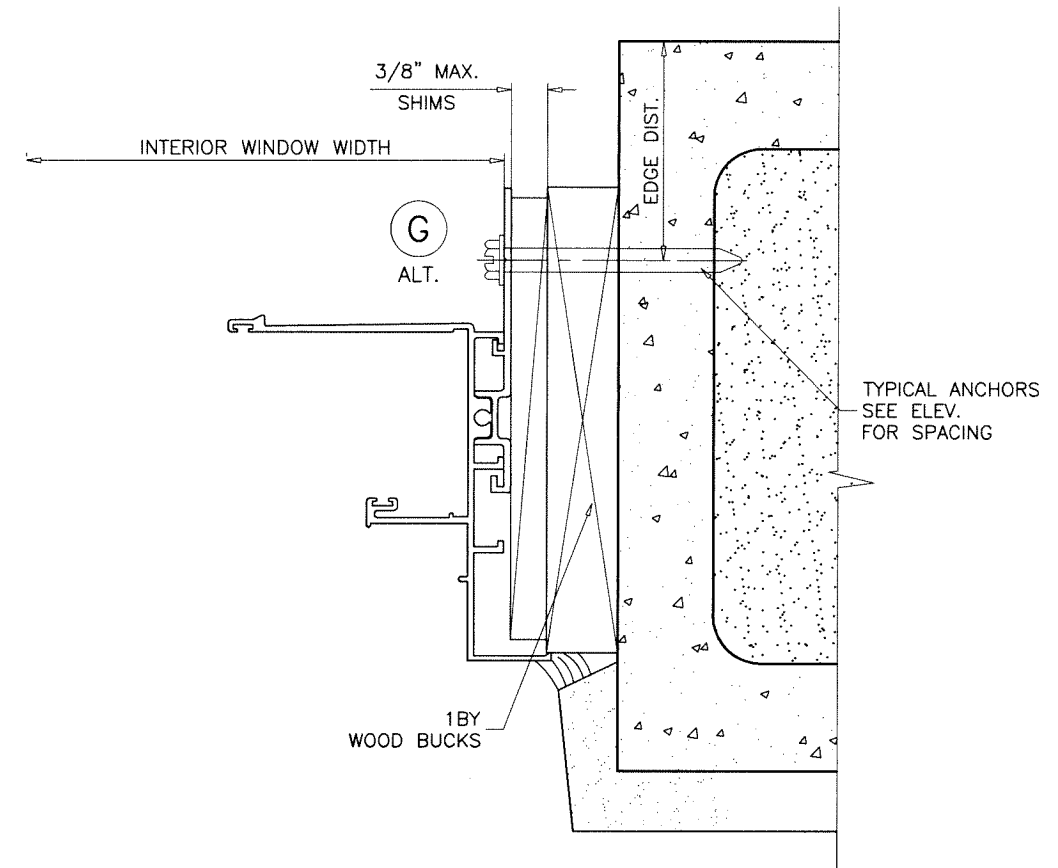
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19-77F

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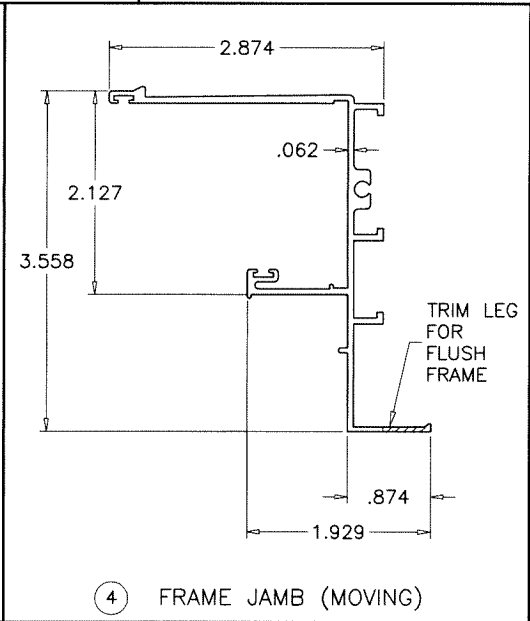
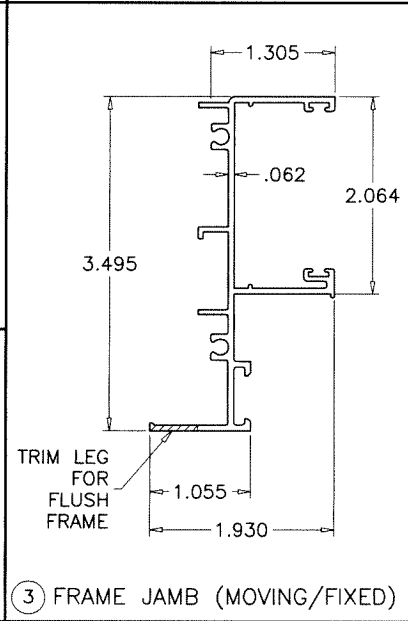
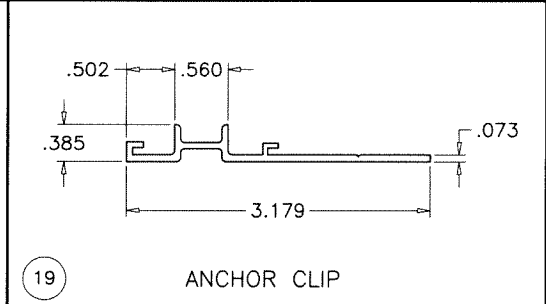
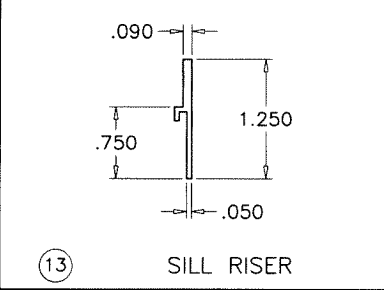
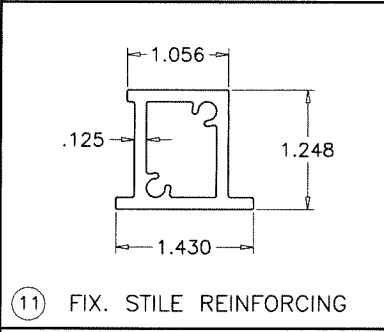
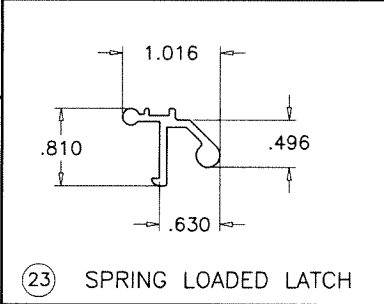
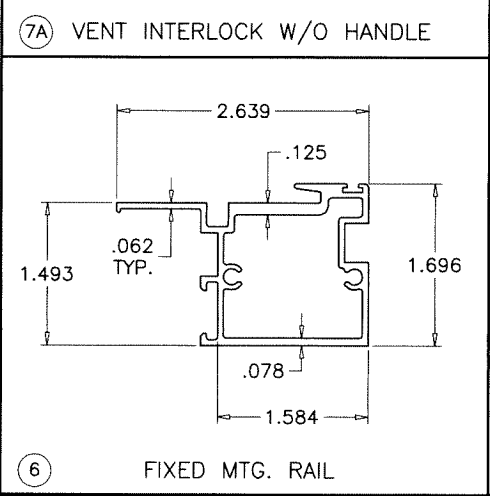
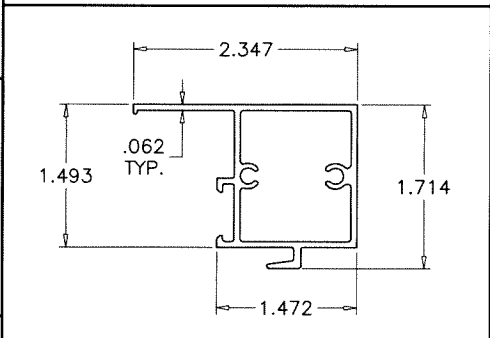
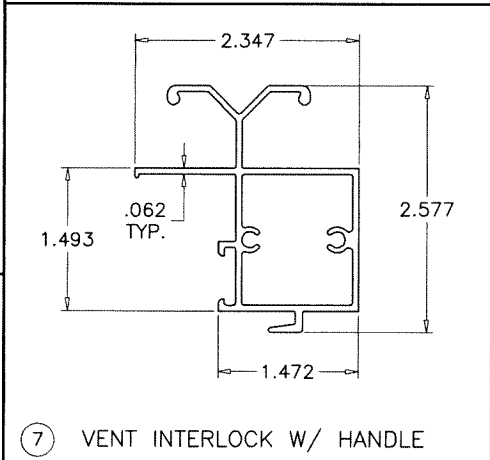
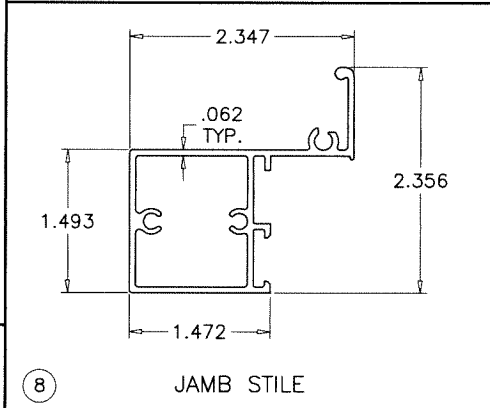
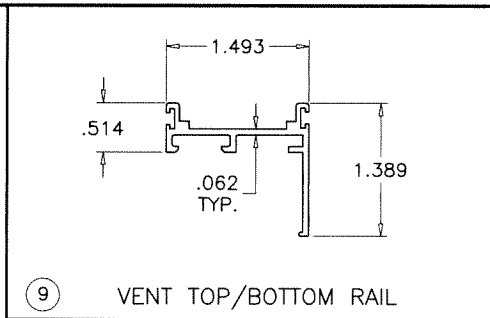
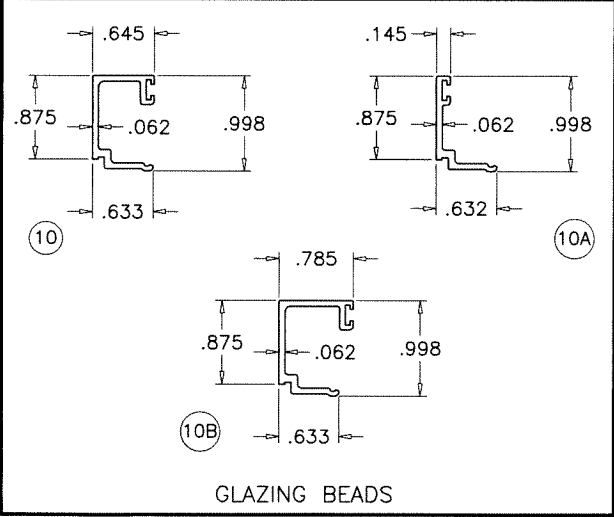
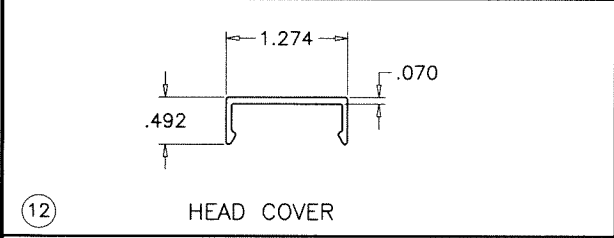
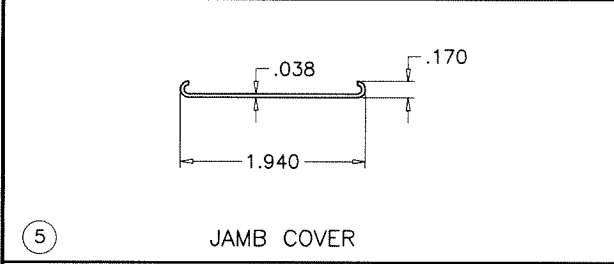
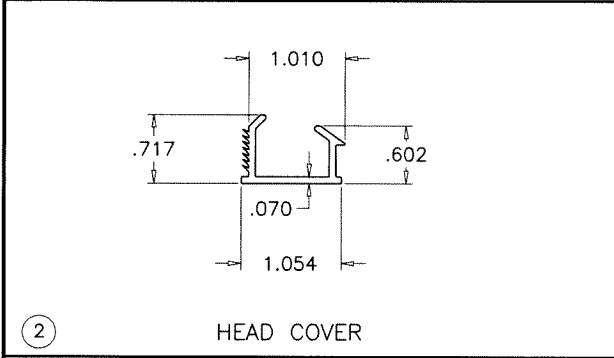
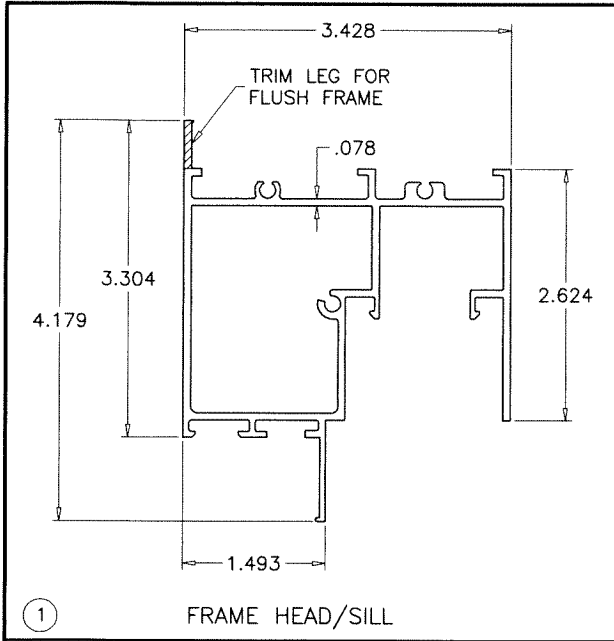
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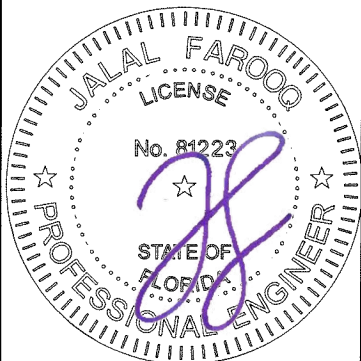
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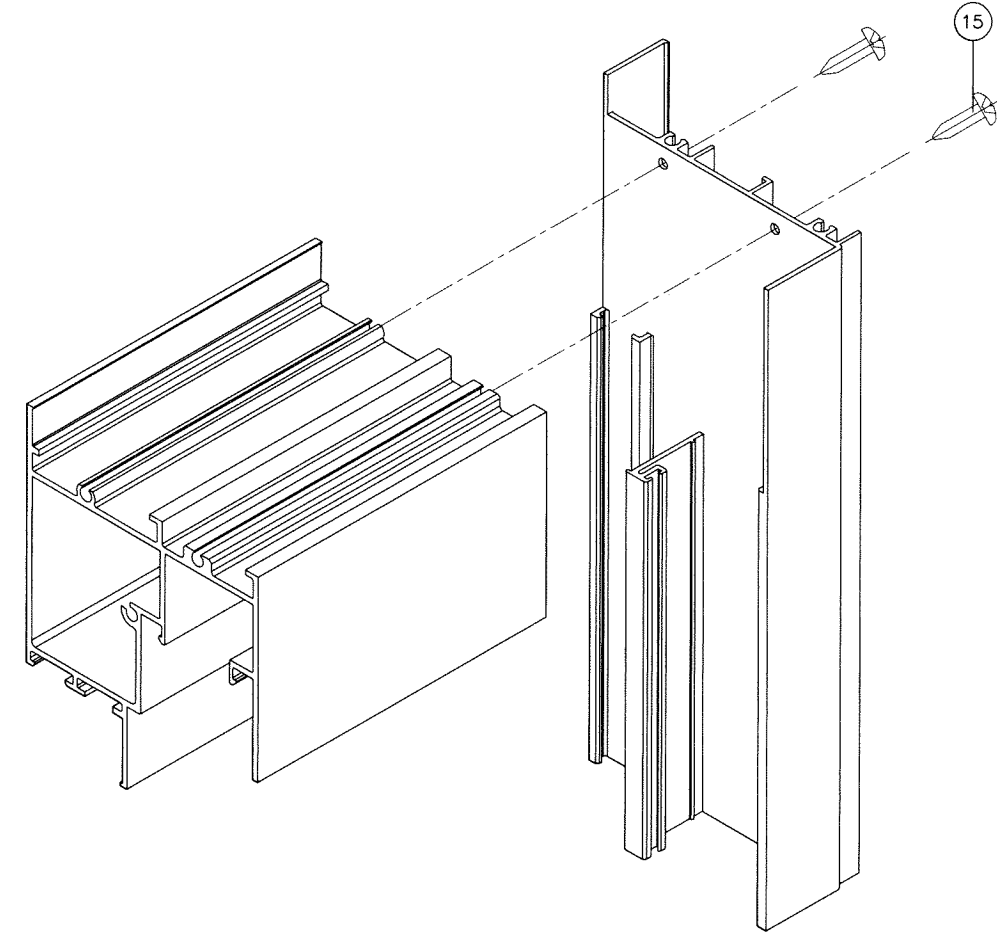
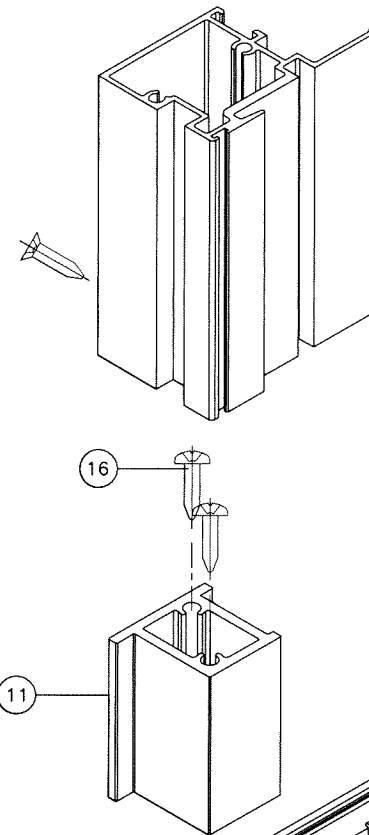
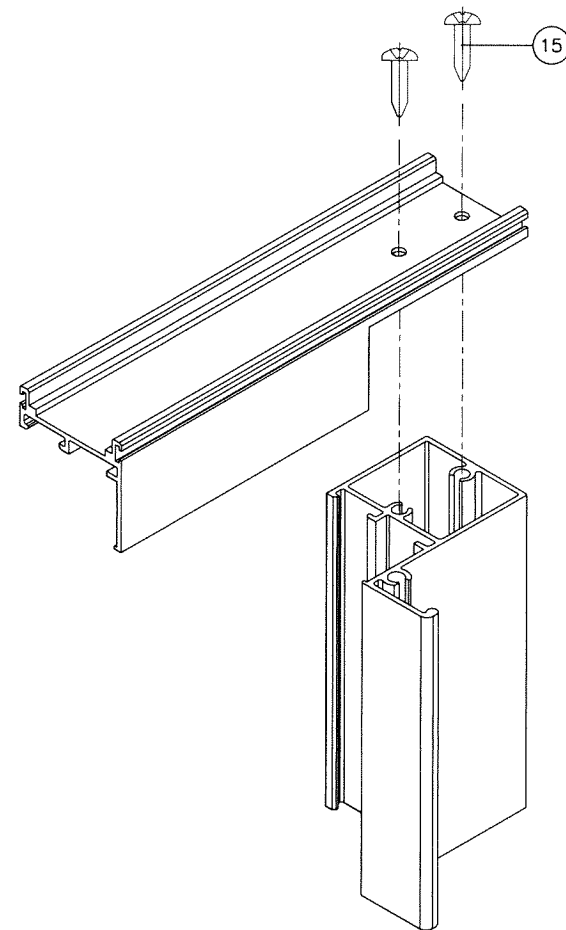
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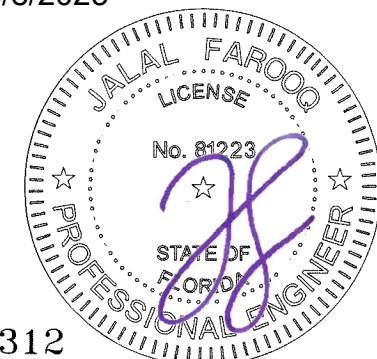
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FRAME TOP/BOTTOM CORNER

FIXED MTG. STILE CORNER

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