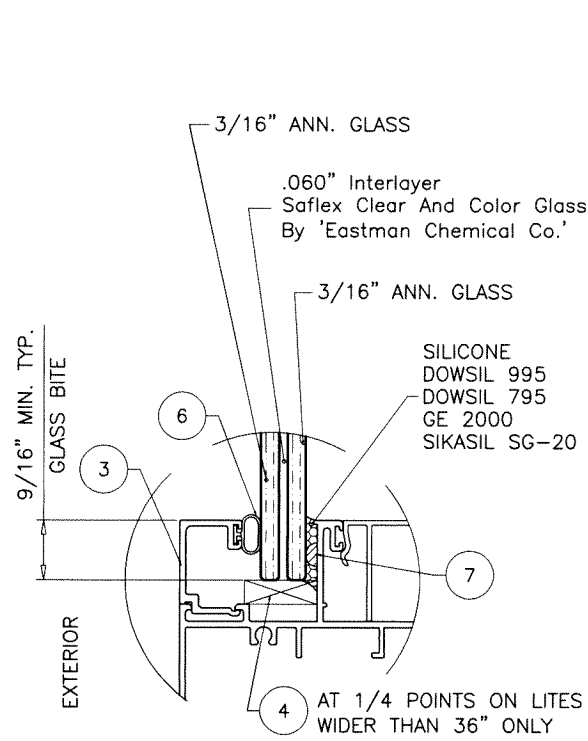
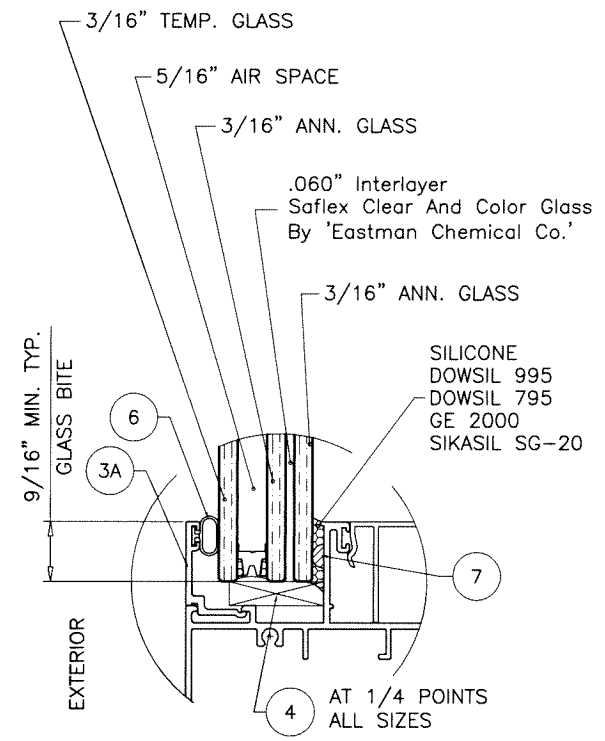
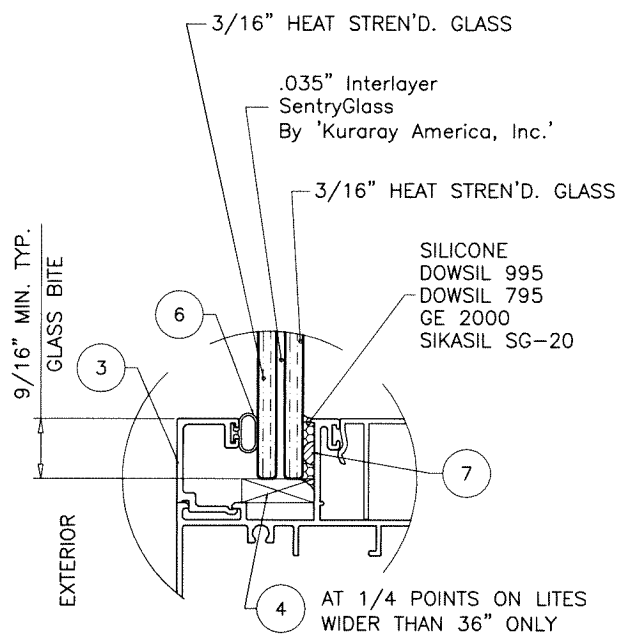




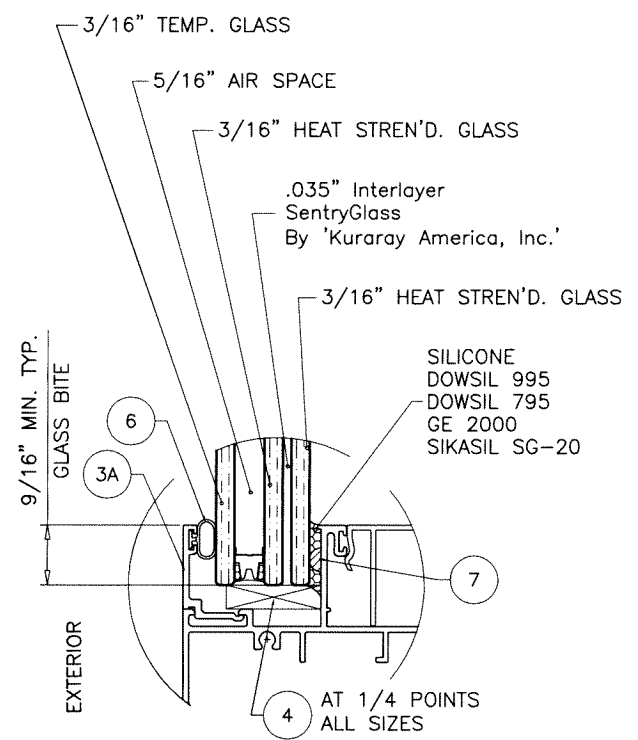
GLASS TYPE 'A'
7/16" OVERALL LAM. GLASS



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

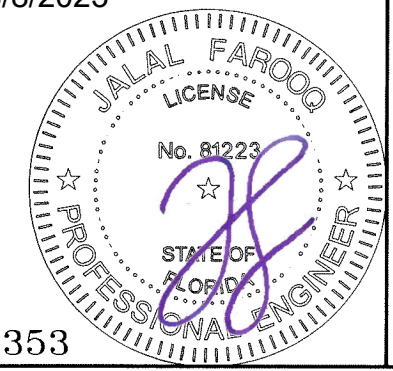


GLASS TYPE 'B'
7/16" OVERALL LAM. GLASS



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

Sealed: 8/8/2023



FL #30353

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 \ 19-89F -LWD

SERIES-100FW ALUMINUM FIXED WDW. (S.M.I.)

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

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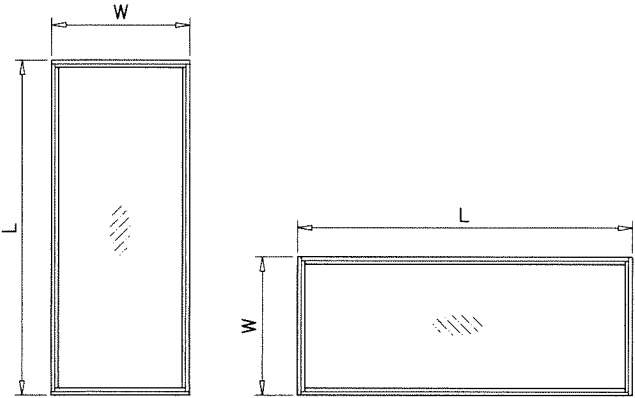
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dr. by: TARIQ
chk. by:

drawing no.
19-89F
sheet 2 of 6

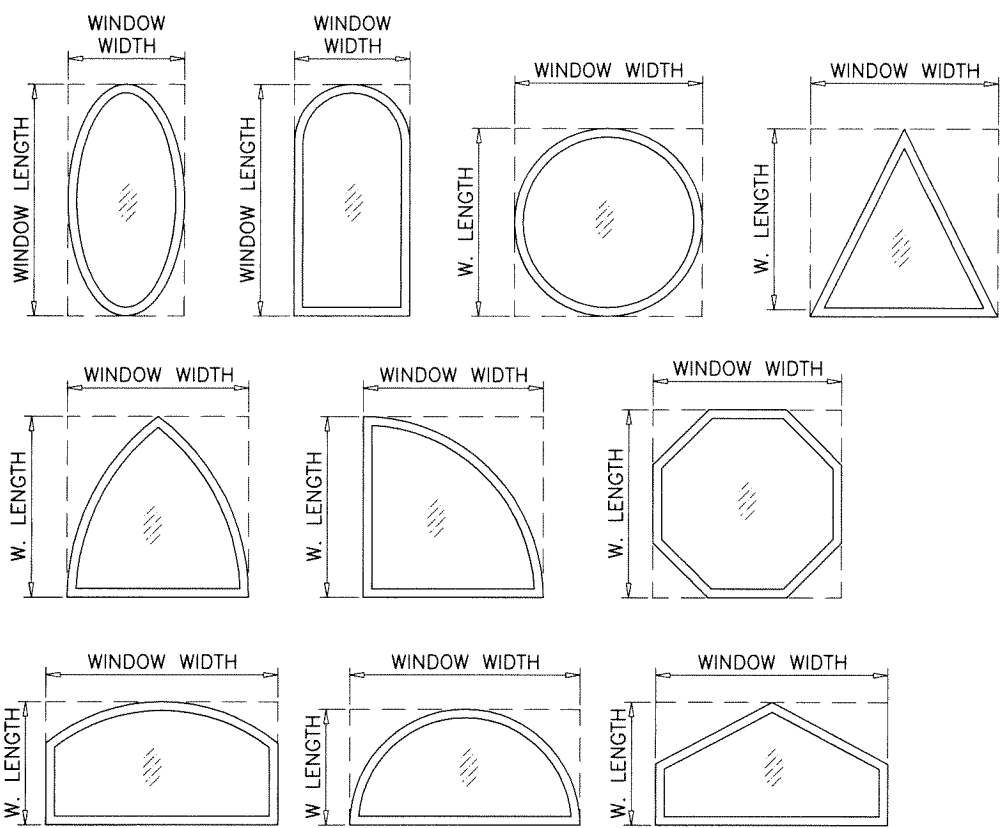
DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPES 'A', 'Ai', 'B', 'Bi'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
18-1/8"	25"	80.0	95.0
25-1/2"		80.0	95.0
36"		80.0	95.0
52-1/8"		80.0	95.0
18-1/8"	37-3/8"	80.0	95.0
25-1/2"		80.0	95.0
36"		80.0	95.0
52-1/8"		80.0	95.0
18-1/8"	49-5/8"	80.0	95.0
25-1/2"		80.0	95.0
36"		80.0	95.0
52-1/8"		80.0	95.0
18-1/8"	55"	80.0	95.0
25-1/2"		80.0	95.0
36"		80.0	95.0
52-1/8"		78.9	93.7
18-1/8"	62"	80.0	95.0
25-1/2"		80.0	95.0
36"		80.0	95.0
52-1/8"		80.0	95.0
18-1/8"	71"	80.0	95.0
25-1/2"		80.0	95.0
36"		80.0	95.0
52-1/8"		80.0	95.0
18-1/8"	75"	80.0	95.0
25-1/2"		80.0	95.0
36"		80.0	94.6

DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPES 'A', 'Ai', 'B', 'Bi'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
23"	47"	80.0	95.0
29"		80.0	95.0
31"		80.0	95.0
35"		80.0	95.0
41"		80.0	95.0
47"		80.0	95.0
53"		80.0	95.0
59"		80.0	95.0
62"		77.9	90.7
23"	59"	80.0	95.0
29"		80.0	95.0
31"		80.0	95.0
35"		80.0	95.0
41"		80.0	95.0
47"		80.0	95.0
23"		80.0	95.0
29"		80.0	95.0
31"	62"	80.0	95.0
35"		80.0	95.0
41"		80.0	95.0
47"		77.9	90.7
23"		80.0	95.0
29"		80.0	95.0
31"		80.0	95.0
35"		80.0	95.0
41"	71"	80.0	95.0
47"		77.9	90.7
23"		80.0	95.0
29"		80.0	95.0
31"		80.0	95.0
35"		80.0	95.0
41"		78.0	86.8
23"	83"	80.0	95.0
29"		80.0	95.0
31"		80.0	95.0
35-1/4"		80.0	90.0
23"		80.0	95.0
29"		80.0	95.0
31"		80.0	95.0
35-1/4"		80.0	90.0
23"	99"	80.0	95.0
29"		80.0	95.0
23"	107"	80.0	95.0
23"	119"	80.0	95.0



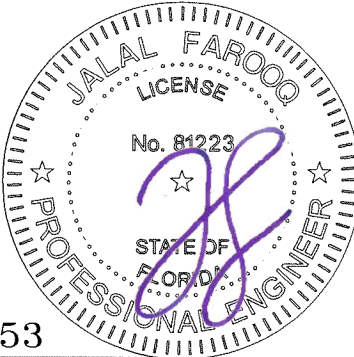
NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE
ORIENTED VERTICALLY OR HORIZONTALLY
AS SHOWN ABOVE.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS).



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE
VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS
SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

Sealed: 8/8/2023



FL #30353

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(C.A.N. 3538)

SERIES-100FW ALUMINUM FIXED WDW. (S.M.I.)

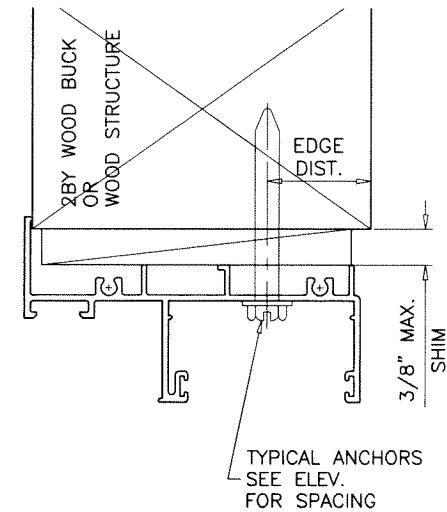
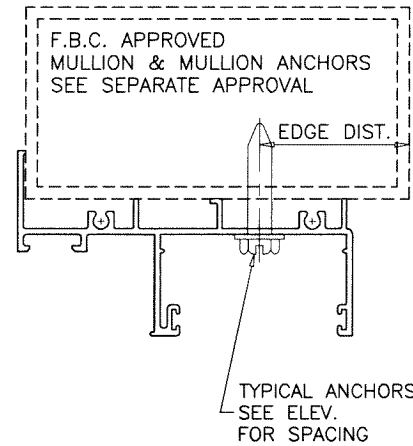
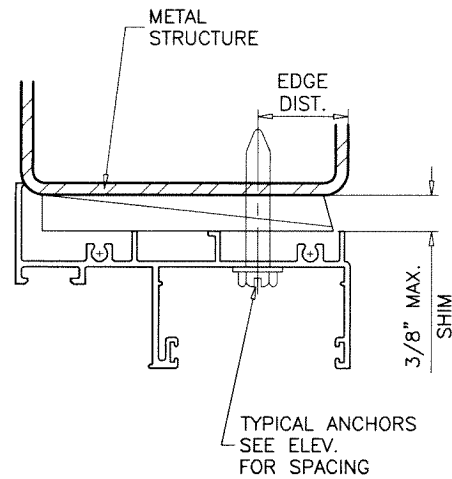
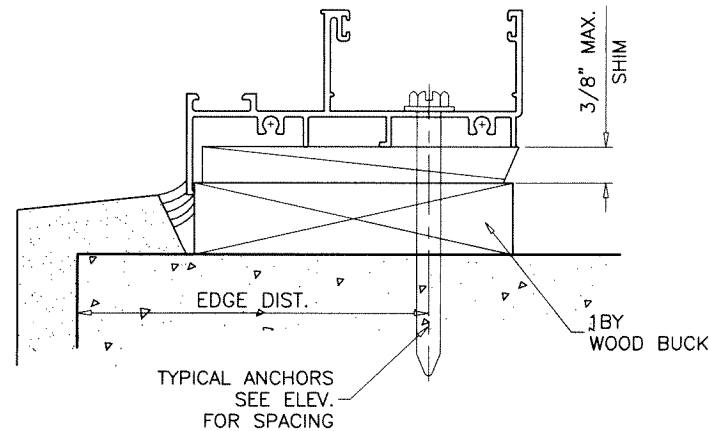
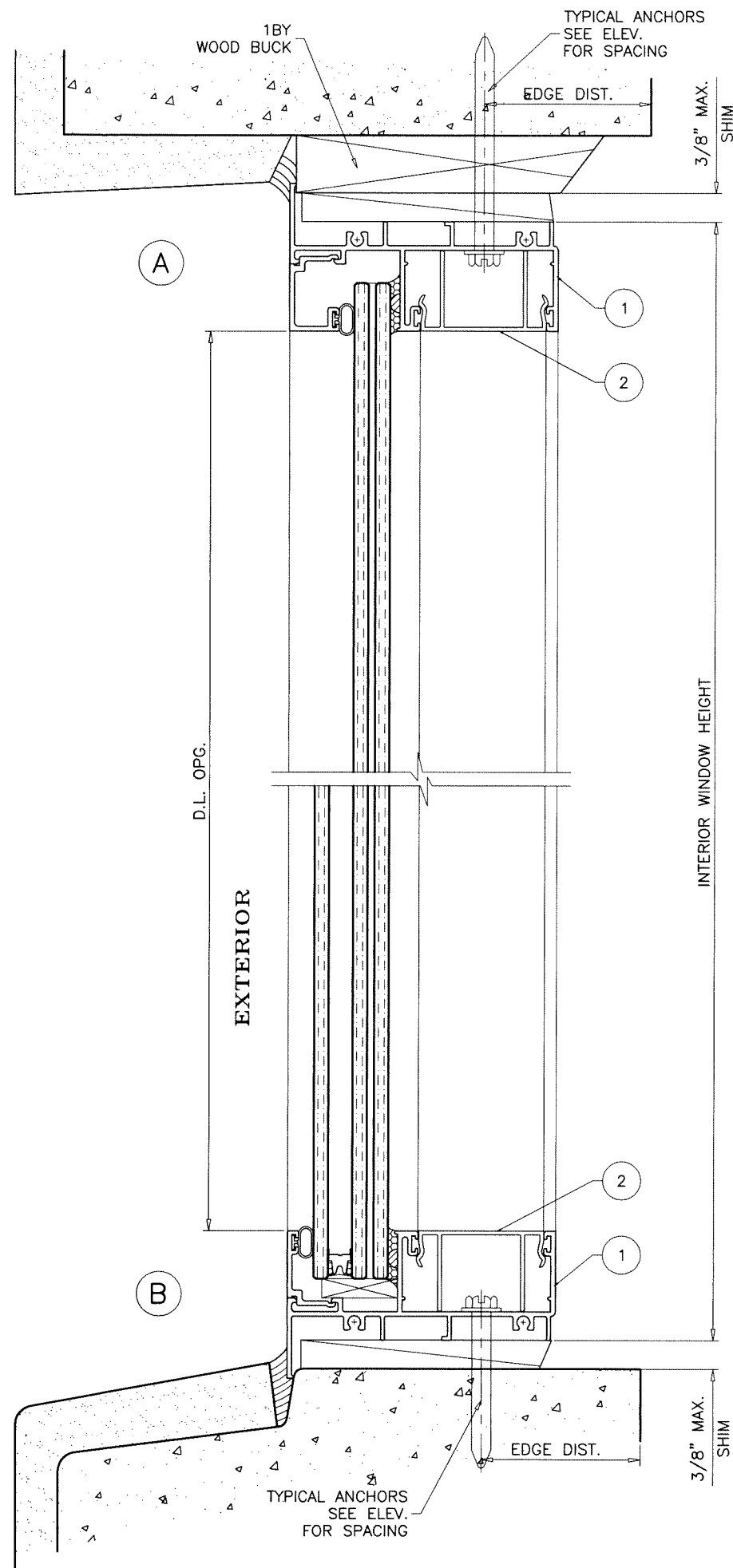
LUXGARD Windows And Doors LLC.
1606 W. 31 Place
Hialeah, FL 33012
Tel. (305) 216-4554 Fax. (-)

revisions:
no. date by description

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

drawing no.
19-89F
sheet **3** of **6**

COMP-ANL \ 19-89F-LWD



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' ($F_u=164$ KSI, $F_y=148$ KSI)

INTO 2BY 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. ($F_y = 36$ KSI MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.

INTO WOOD STRUCTURE = 1" MIN.

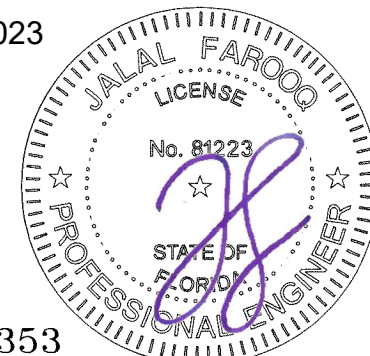
INTO METAL STRUCTURE = 3/4" MIN.

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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Fax. (-)

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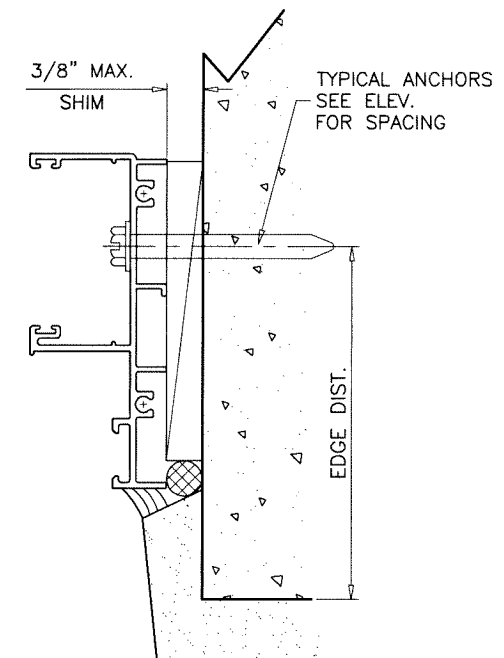
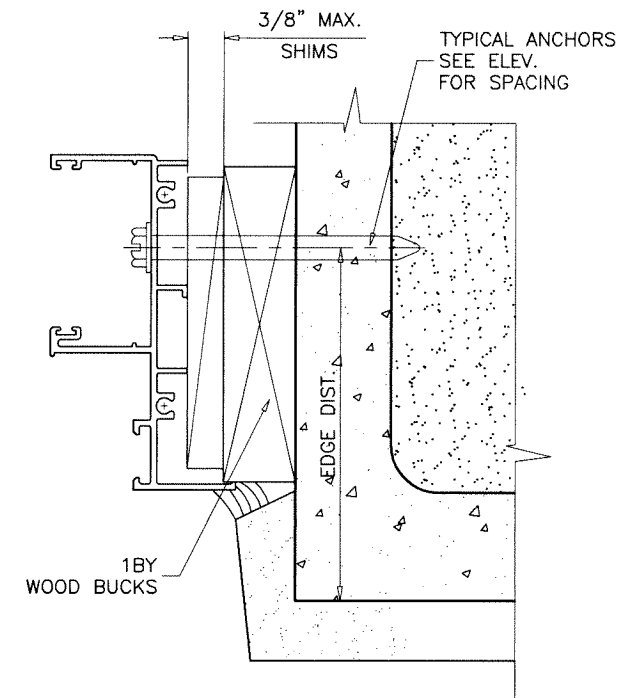
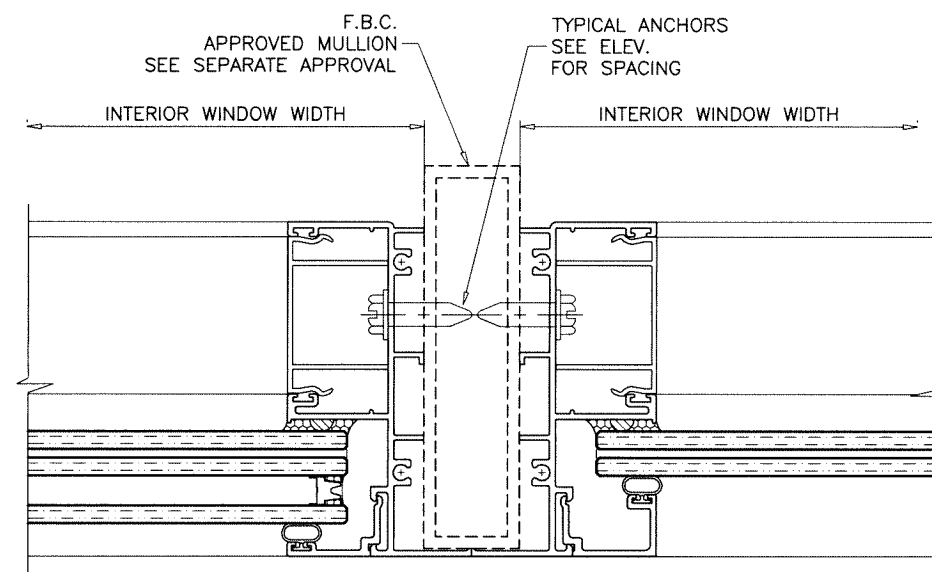
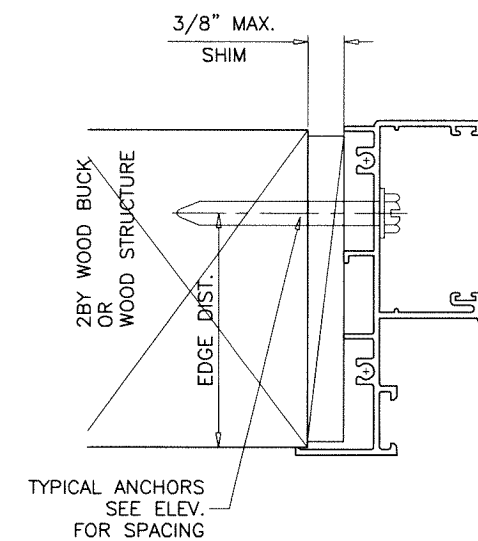
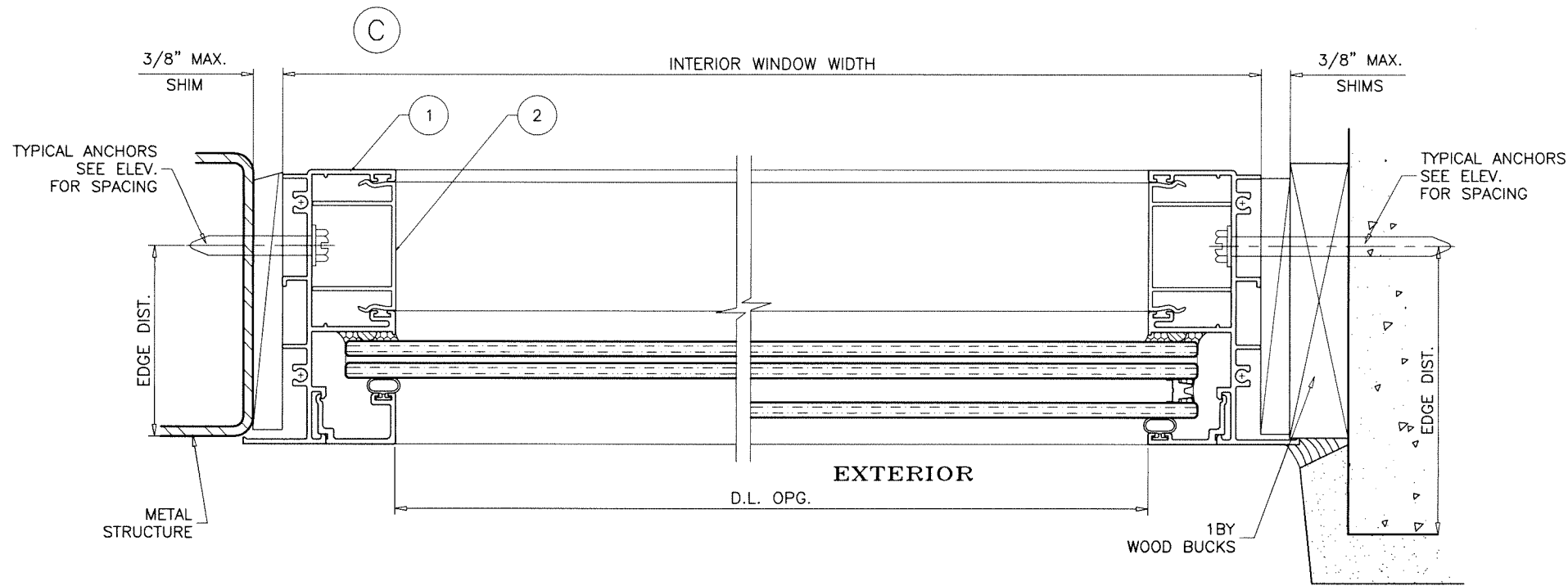
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drawing no.

19-89F

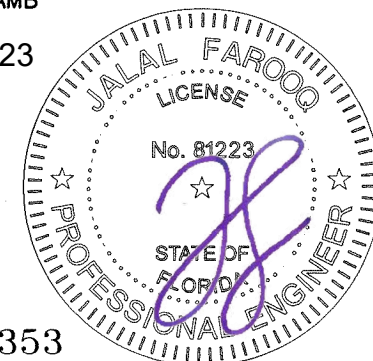
sheet 4 of 6

COMP-ANL 19-89F-LWD



FLUSH FRAME WITH
TRIMMED EXTERIOR FLANGE
HEAD/SILL/JAMB

Sealed: 8/8/2023



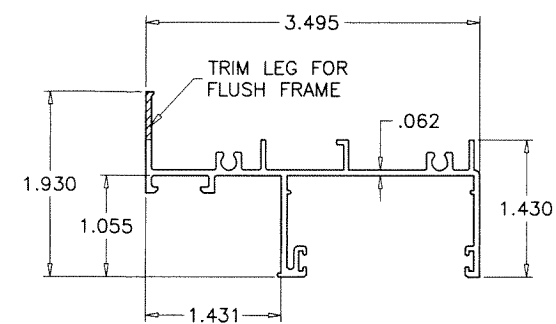
FL #30353

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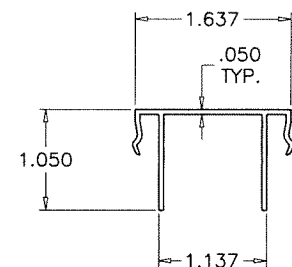
SERIES-100FW ALUMINUM FIXED WDW. (S.M.I.)
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chk. by:			
drawing no.		19-89F	
sheet 5 of 6			

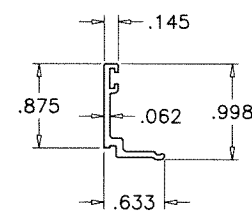
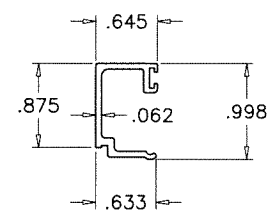
COMP-ANL 19-89F-LWD



1 FRAME



2 FRAME COVER



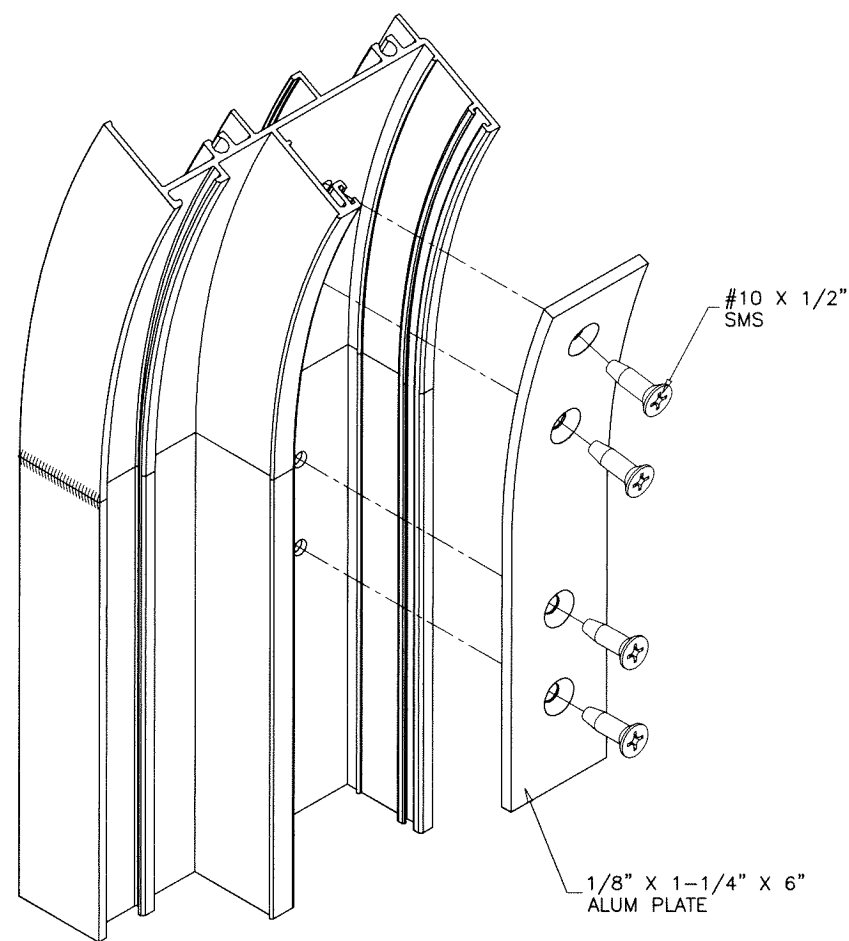
3 GLAZING BEADS

3A

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	116	4	FRAME	6063-T6	PROFILE
2	117	4	FRAME COVER	6063-T6	PROFILE
3	115	4	GLAZING BEAD (LAM. GLASS)	6063-T6	PROFILE
3A	103	4	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	PROFILE
4	—	2/ LITE	SETTING BLOCK AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
5	#10 X 1-1/2"	8/ VENT	FRAME ASSEMBLY SCREW	ST. STEEL	FH SMS TYPE B
6	E-206	AS RQD.	GLAZING BEAD BULB	TPE/POLYPROP.	SULLIVAN & ASSOC.
7	—	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE

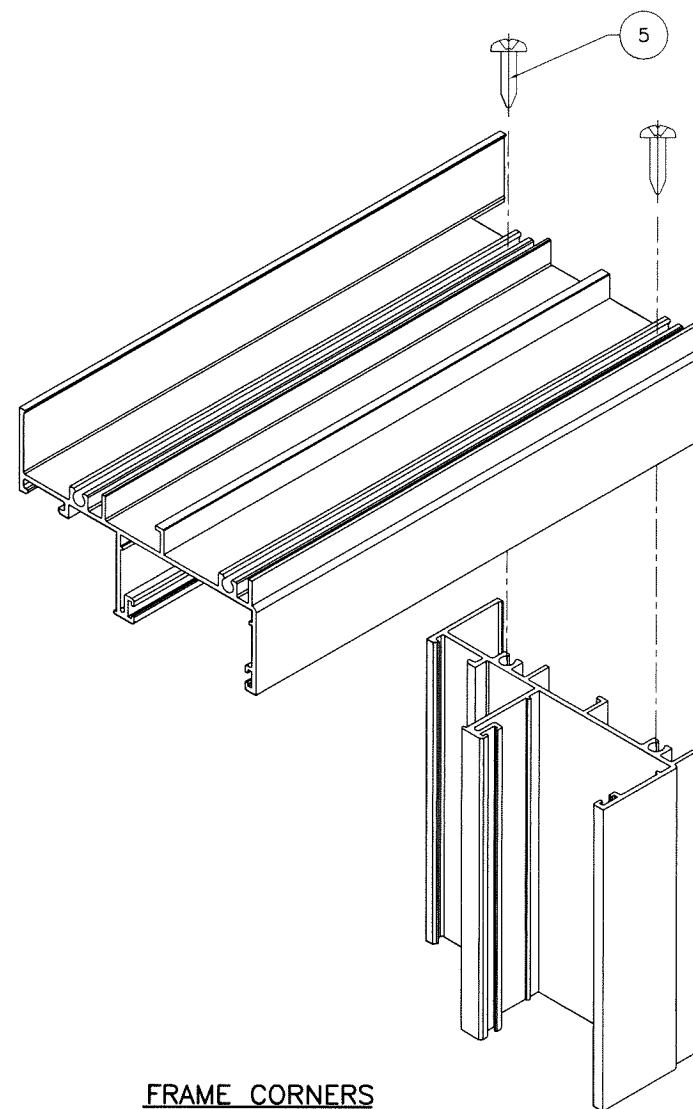
SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
WHITE/ALUMINUM COLORED GENERAL PURPOSE SILICONE.



FRAME CORNERS

CIRCULAR WINDOWS



FRAME CORNERS
RECT. OR SQUARE WINDOWS

Sealed: 8/8/2023



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