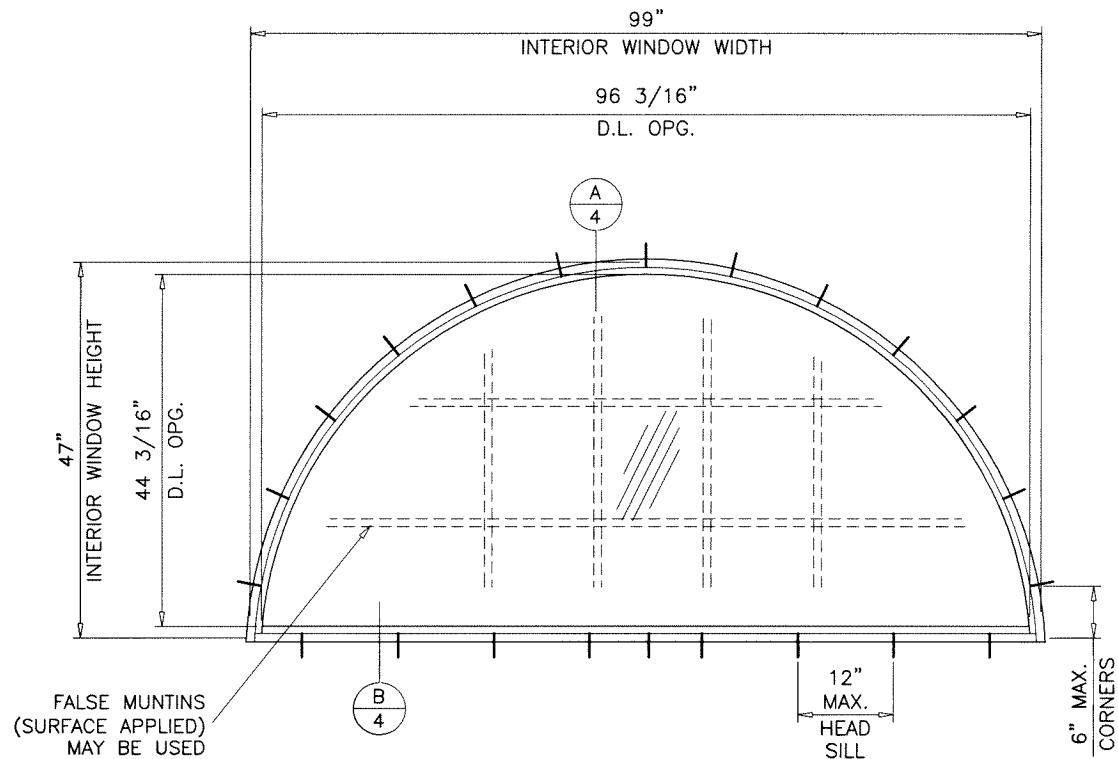
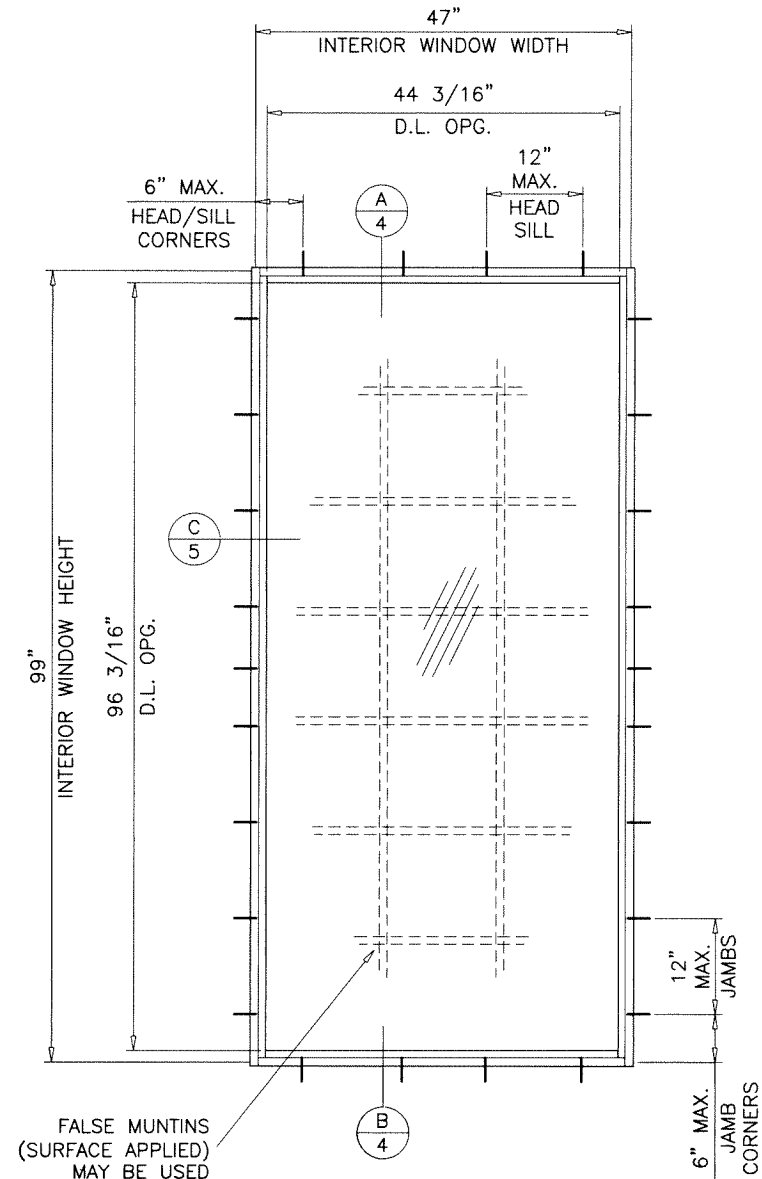




TYPICAL ELEVATIONS
TESTED UNITS



DAYLITE OPENINGS:
D.L.O. HEIGHT = INT. WINDOW HEIGHT - 2.860"
D.L.O. WIDTH = INT. WINDOW WIDTH - 2.860"

SERIES-100FW ALUMINUM FIXED 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 FIX./FIX. OR FIXED 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.

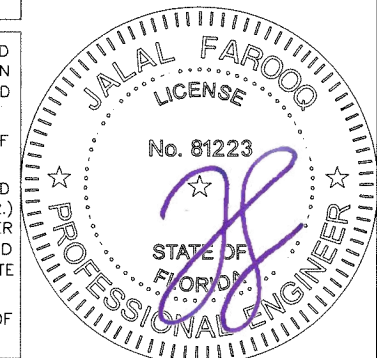
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

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.

Sealed: 10/12/2023

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

- 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.



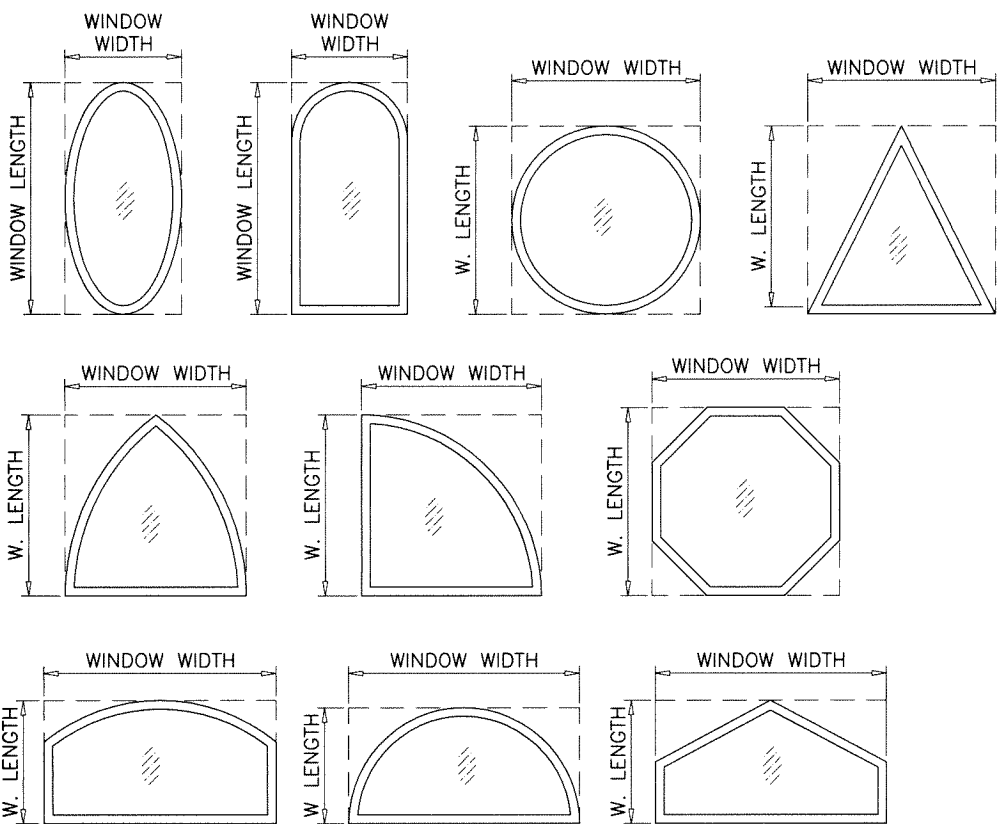
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL \ 20-20F-AWD

SERIES-100FW ALUMINUM FIXED WDW. (L.M.I.)
ALUMINEX Windows & Doors LLC.
6333 N.W. 74th Avenue
Miami, FL 33166
Tel. (786) 222-0427 Fax. (-)

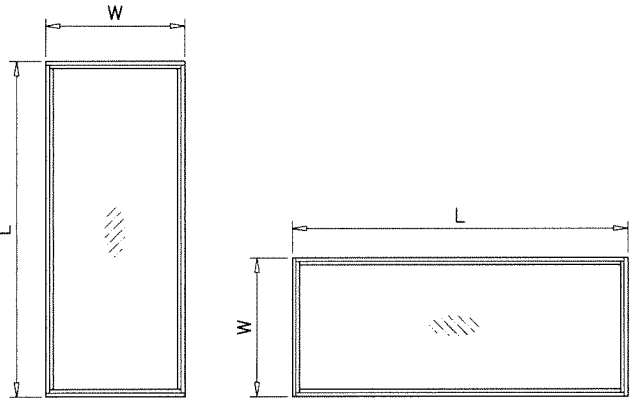
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dr. by:	TARIO			
chk. by:				
drawing no.	20-20F			
sheet	1 of 6			

DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPES 'A' & 'Ai'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
18-1/8"	25"	70.0	70.0
25-1/2"		70.0	70.0
36"		70.0	70.0
52-1/8"		70.0	70.0
18-1/8"	37-3/8"	70.0	70.0
25-1/2"		70.0	70.0
36"		68.5	68.5
52-1/8"		66.0	66.0
18-1/8"	49-5/8"	70.0	70.0
25-1/2"		70.0	70.0
36"		68.5	68.5
18-1/8"		70.0	70.0
25-1/2"	55"	70.0	70.0
36"		68.5	68.5
18-1/8"		70.0	70.0
25-1/2"		70.0	70.0
18-1/8"	62"	70.0	70.0
25-1/2"		70.0	70.0
18-1/8"		70.0	70.0
25-1/2"		70.0	70.0
18-1/8"	71"	70.0	70.0
25-1/2"		70.0	70.0
18-1/8"		70.0	70.0
25-1/2"		70.0	70.0
18-1/8"	75"	70.0	70.0
25-1/2"		70.0	70.0
18-1/8"		70.0	70.0
25-1/2"		70.0	70.0

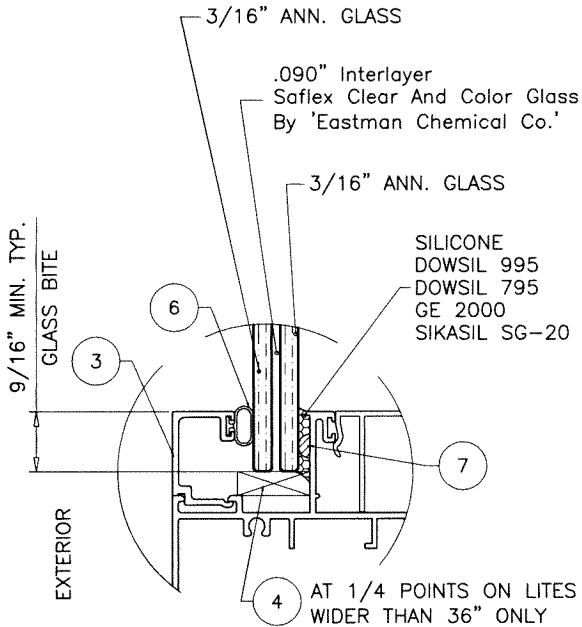
DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPES 'A' & 'Ai'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
23"	47"	70.0	70.0
29"		70.0	70.0
35-1/4"		70.0	70.0
41"		60.2	60.2
23"	59"	70.0	70.0
29"		70.0	70.0
23"		70.0	70.0
29"		70.0	70.0
23"	62"	70.0	70.0
29"		70.0	70.0
23"		70.0	70.0
29"		70.0	70.0
23"	71"	70.0	70.0
29"		70.0	70.0
23"		70.0	70.0
29"		70.0	70.0
23"	83"	70.0	70.0
29"		70.0	70.0
23"		70.0	70.0
29"		70.0	70.0



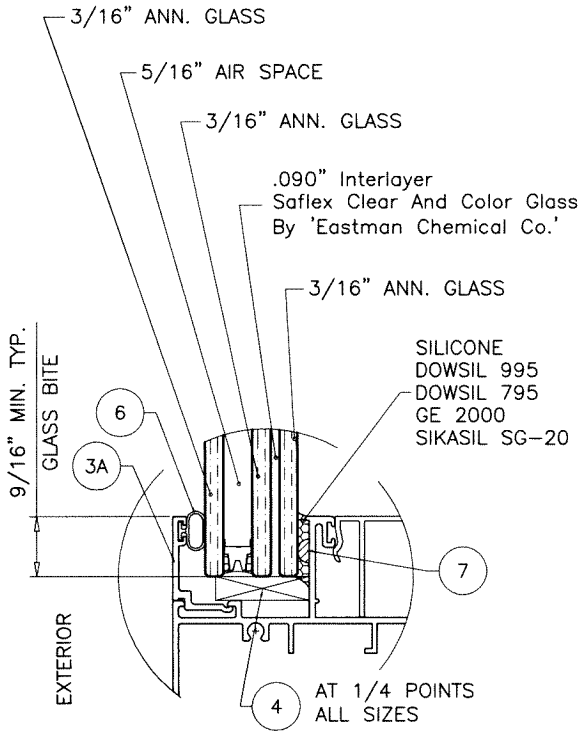
ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.



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



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



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

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



Sealed: 10/12/2023

FL #33925

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\20-20F-AWD

SERIES-100FW ALUMINUM FIXED WDW. (L.M.I.)
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Miami, FL 33166
Tel. (786) 222-0427 Fax. (-)

revisions:
no. date by description

date: 02-24-20
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

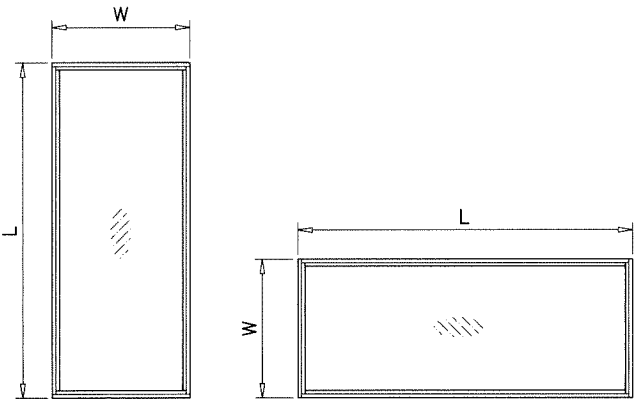
drawing no.
20-20F
sheet 2 of 6

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

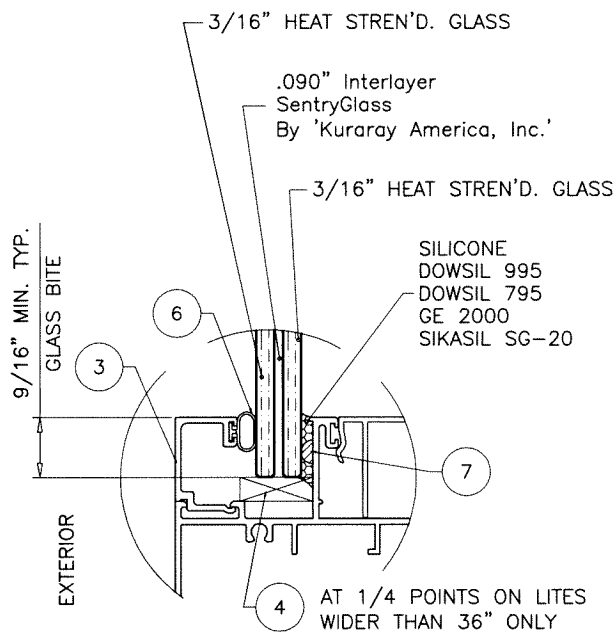
DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPES 'B' & 'Bi'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
18-1/8"	25"	80.0	95.0
25-1/2"		80.0	95.0
36"		80.0	95.0
52-1/8"		80.0	95.0
18-1/8"	37-3/8"	80.0	95.0
25-1/2"		80.0	95.0
36"		80.0	95.0
52-1/8"		80.0	95.0
18-1/8"	49-5/8"	80.0	95.0
25-1/2"		80.0	95.0
36"		80.0	95.0
52-1/8"		75.8	90.0
18-1/8"	55"	80.0	95.0
25-1/2"		80.0	95.0
36"		80.0	95.0
52-1/8"		72.1	85.7
18-1/8"	62"	80.0	95.0
25-1/2"		80.0	95.0
36"		80.0	95.0
52-1/8"		72.1	85.7
18-1/8"	71"	80.0	95.0
25-1/2"		80.0	95.0
36"		80.0	95.0
52-1/8"		72.1	85.7
18-1/8"	75"	80.0	95.0
25-1/2"		80.0	95.0
36"		80.0	95.0
52-1/8"		72.1	85.7

DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPES 'B' & 'Bi'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
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
65"		80.0	95.0
71"		80.0	95.0
77"		80.0	95.0
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
53"		70.9	84.2
59"		63.7	75.7
65"		63.7	75.7
71"		63.7	75.7
77"		63.7	75.7
23"	62"	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"		70.9	84.2
59"		63.7	75.7
65"		60.6	72.0
71"		60.6	72.0

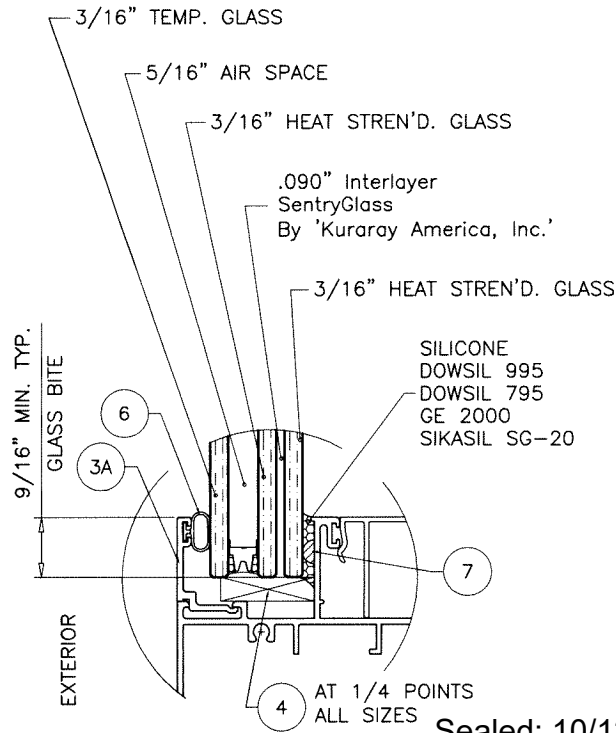
DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPES 'B' & 'Bi'	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
23"	71"	80.0	95.0
29"		80.0	95.0
31"		80.0	95.0
35"		80.0	95.0
41"		80.0	95.0
47"		80.0	95.0
53"		70.9	84.2
59"		63.7	75.7
65"		57.8	68.7
71"		57.8	68.7
23"	83"	80.0	95.0
29"		80.0	95.0
31"		80.0	95.0
35"		80.0	95.0
41"		80.0	95.0
47"		80.0	95.0
53"		70.9	84.2
23"	99"	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"	107"	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"	119"	80.0	95.0
29"		80.0	95.0
31"		80.0	95.0
35-1/4"		80.0	95.0



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



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



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



Sealed: 10/12/2023

FL #33925

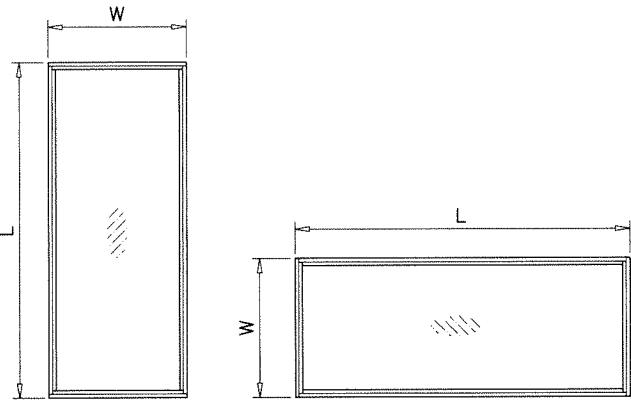
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\20-20F-AWD

SERIES-100FW ALUMINUM FIXED WDW. (L.M.I.)
ALUMINEX Windows & Doors LLC.
6333 N.W. 74th Avenue
Miami, FL 33166
Tel. (786) 222-0427 Fax. (-)

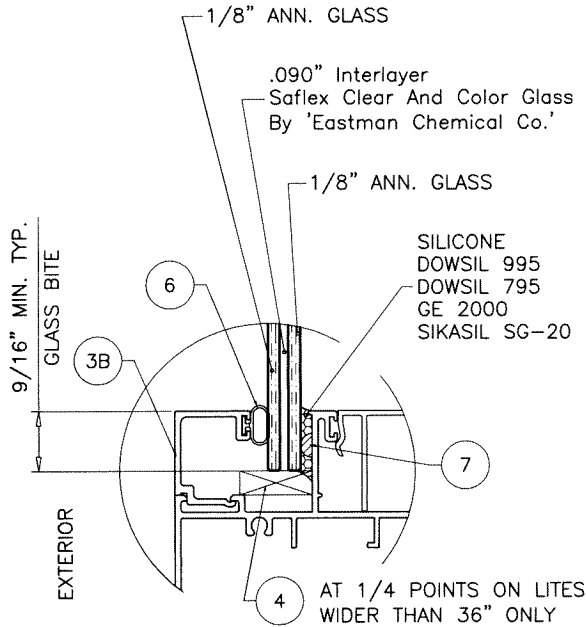
revisions:
no date by description
date: 02-24-20
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no.
20-20F
sheet 3 of 6

DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPE 'C'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
18-1/8"	25"	55.0	55.0
25-1/2"		55.0	55.0
36"		55.0	55.0
52-1/8"		55.0	55.0
18-1/8"	37-3/8"	55.0	55.0
25-1/2"		55.0	55.0
36"		55.0	55.0
52-1/8"		55.0	55.0
18-1/8"	49-5/8"	55.0	55.0
25-1/2"		55.0	55.0
36"		55.0	55.0
18-1/8"	55"	55.0	55.0
25-1/2"		55.0	55.0
36"		55.0	55.0
18-1/8"	62"	55.0	55.0
25-1/2"		55.0	55.0
18-1/8"	71"	55.0	55.0
25-1/2"		55.0	55.0
18-1/8"	75"	55.0	55.0
25-1/2"		55.0	55.0

DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPE 'C'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
23"	47"	55.0	55.0
29"		55.0	55.0
31"		55.0	55.0
35"		55.0	55.0
41"		55.0	55.0
23"	59"	55.0	55.0
29"		55.0	55.0
23"	62"	55.0	55.0
29"		55.0	55.0
23"	71"	55.0	55.0
23"	83"	55.0	55.0



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).

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

Sealed: 10/12/2023

FL #33925



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

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

ALUMINEX Windows & Doors LLC.
6333 N.W. 74th Avenue
Miami, FL 33166
Tel. (786) 222-0427 Fax. (-)

COMP-ANL\20-20F-AWD

revisions:

no	date	by	description

date: 02-24-20

scale: 1/2" = 1"

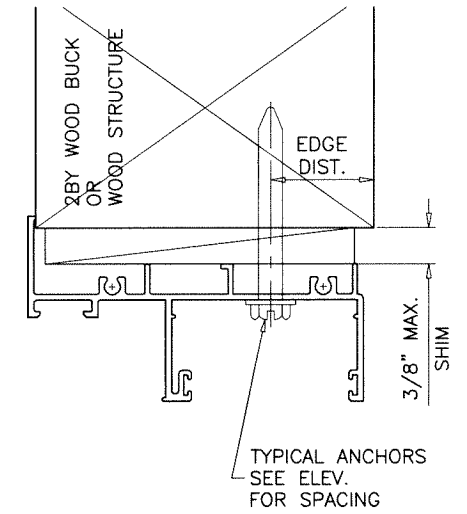
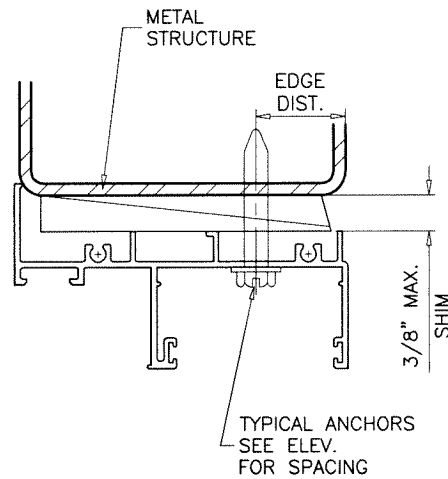
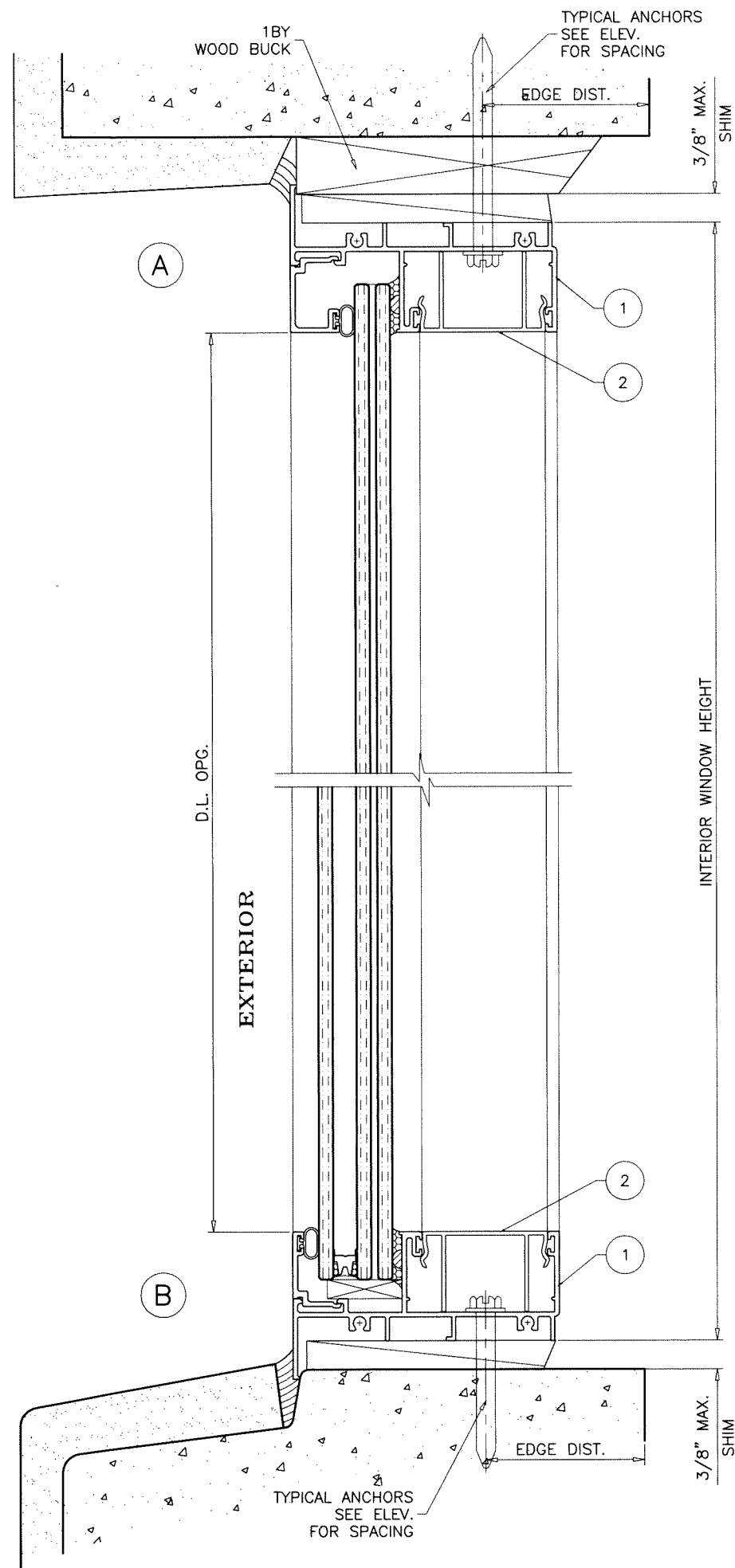
dr. by: TARIQ

chk. by:

drawing no.

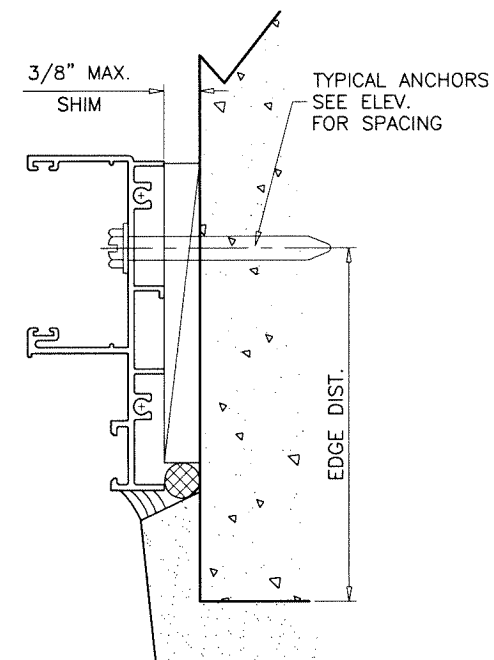
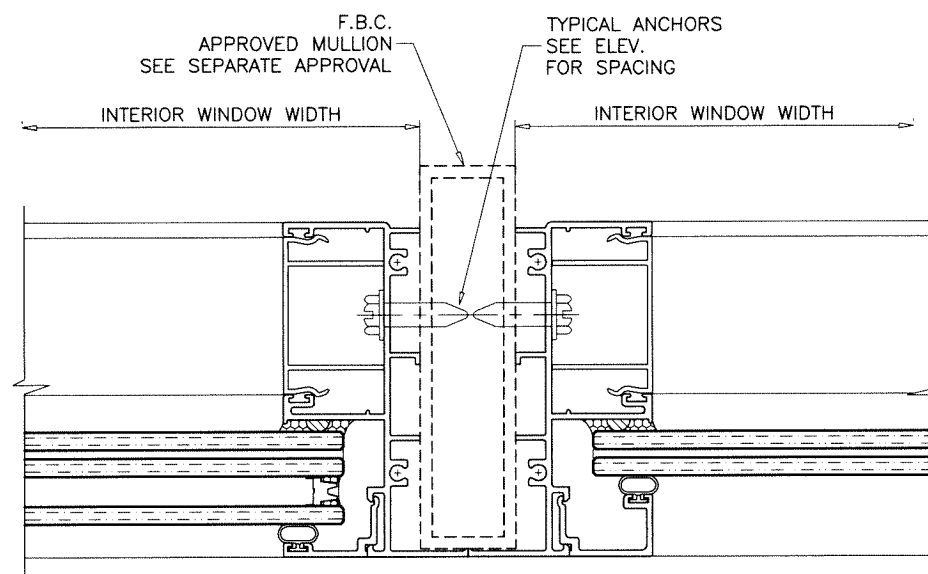
20-20F

sheet **3** of **6**



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





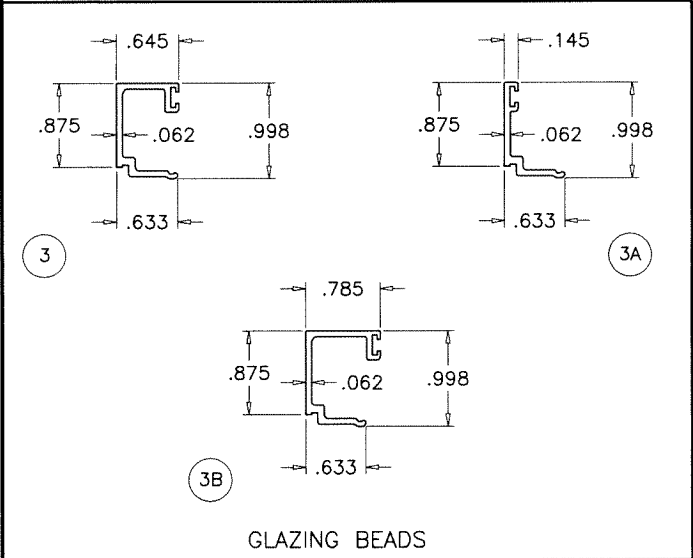
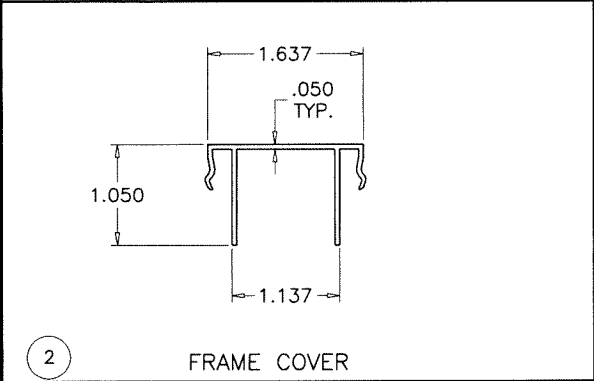
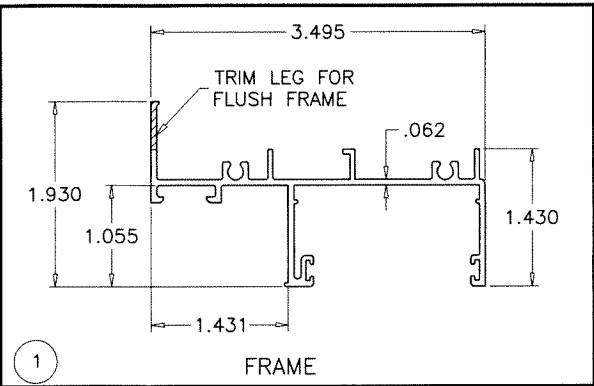
A circular professional engineer seal for Jalal Farooq. The outer ring contains the text "JALAL FAROOQ" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No. 81223" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars. A large, stylized signature in blue ink is written across the center of the seal.

FL #33925

date:	02-24-20	revisions:	
scale:	1/2" = 1"	no.	date by description
dr. by:	TARIQ		
chk. by:			

drawing no. 20-20F

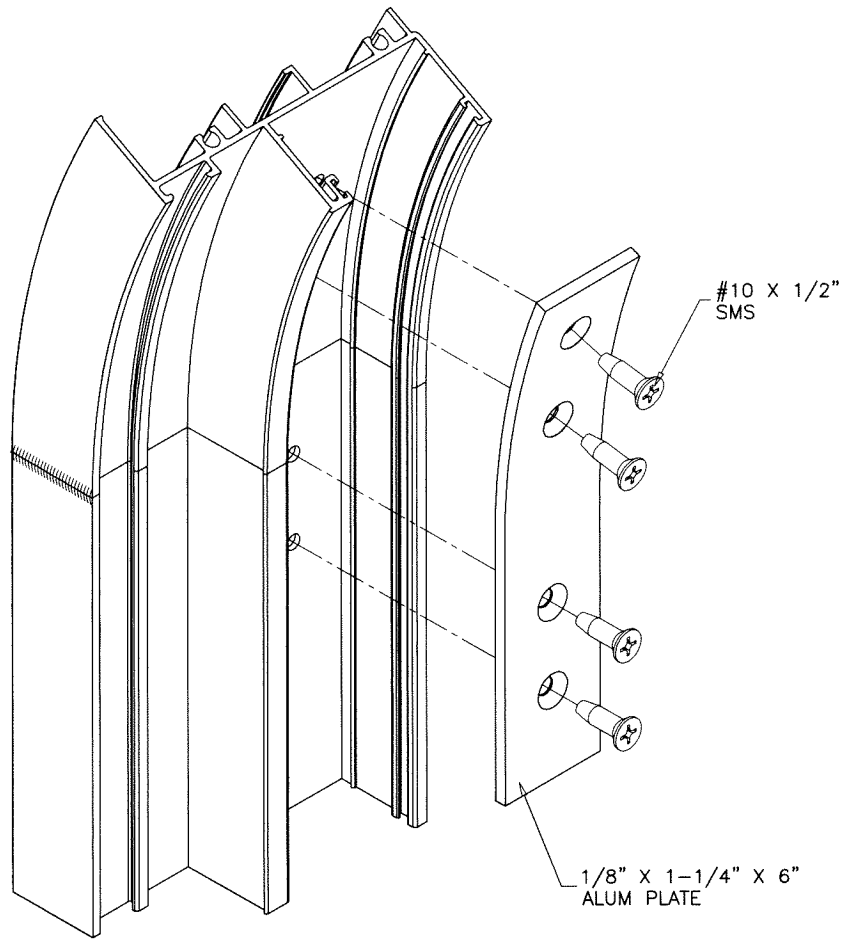
sheet 5 of 6



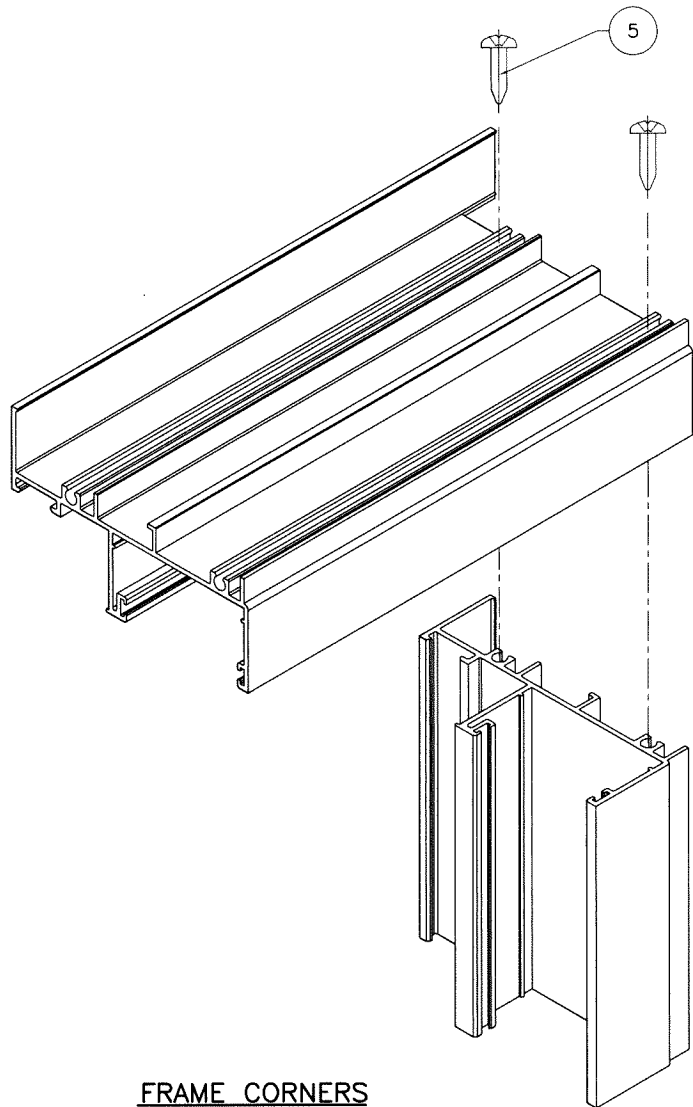
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	116	4	FRAME	6063-T6	PROFILE
2	117	4	FRAME COVER	6063-T6	PROFILE
3	115	4	GLAZING BEAD (7/16" LAM. GLASS)	6063-T6	PROFILE
3A	103	4	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	PROFILE
3B	119	4	GLAZING BEAD (5/16" LAM. GLASS)	6063-T6	PROFILE
4	-	2/ LITE	SETTING BLOCK AT 1/4 POINTS (1/4" X 1" X 2" LONG)	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: 10/12/2023



FL #33925

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
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 COMP-ANL 20-20F-AWD

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revisions:	no	date	by	description
date: 02-24-20	scale: 1/2" = 1"	dr. by: TARIQ	chk. by:	
drawing no.	20-20F	sheet	6 of 6	