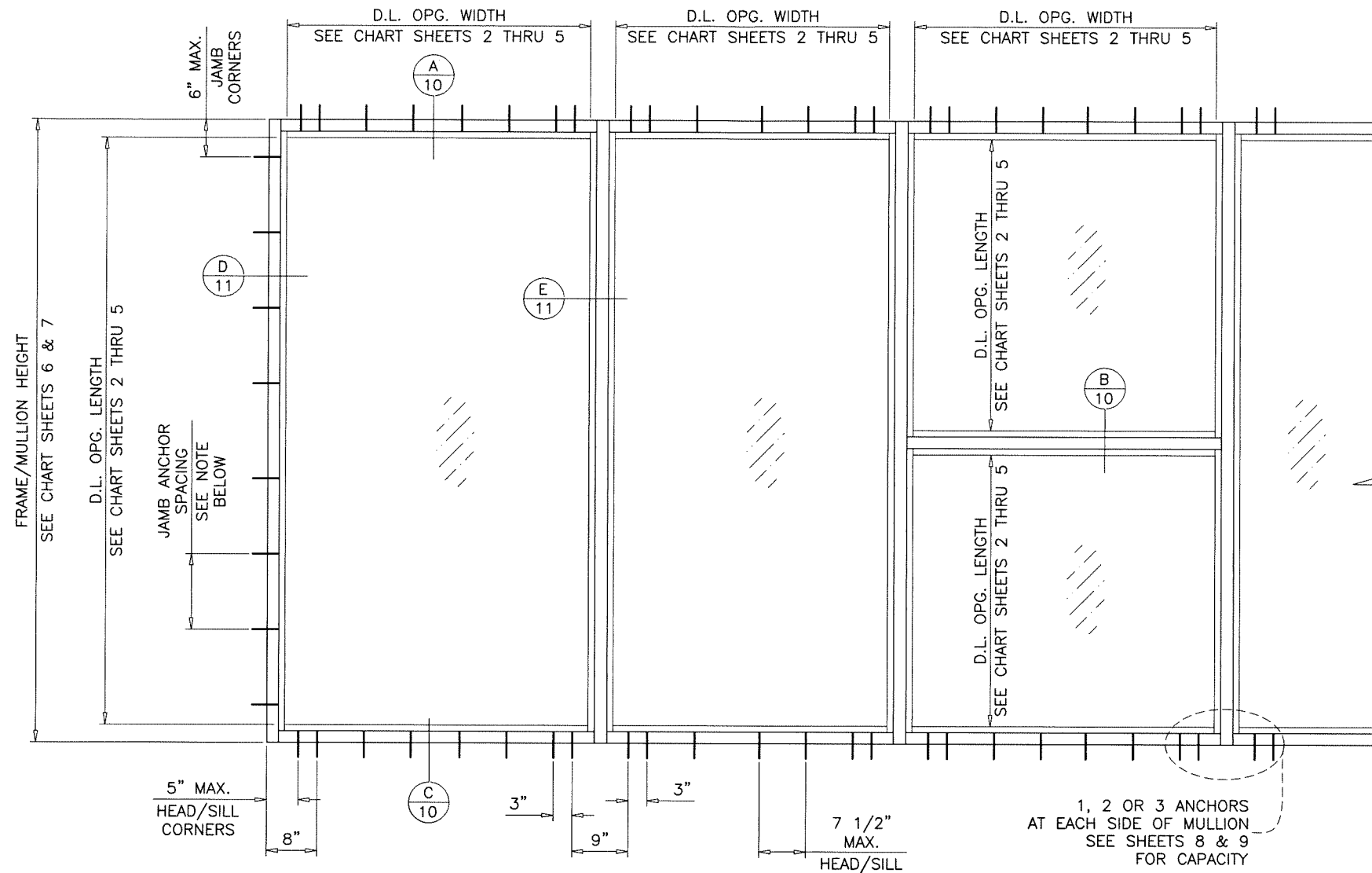
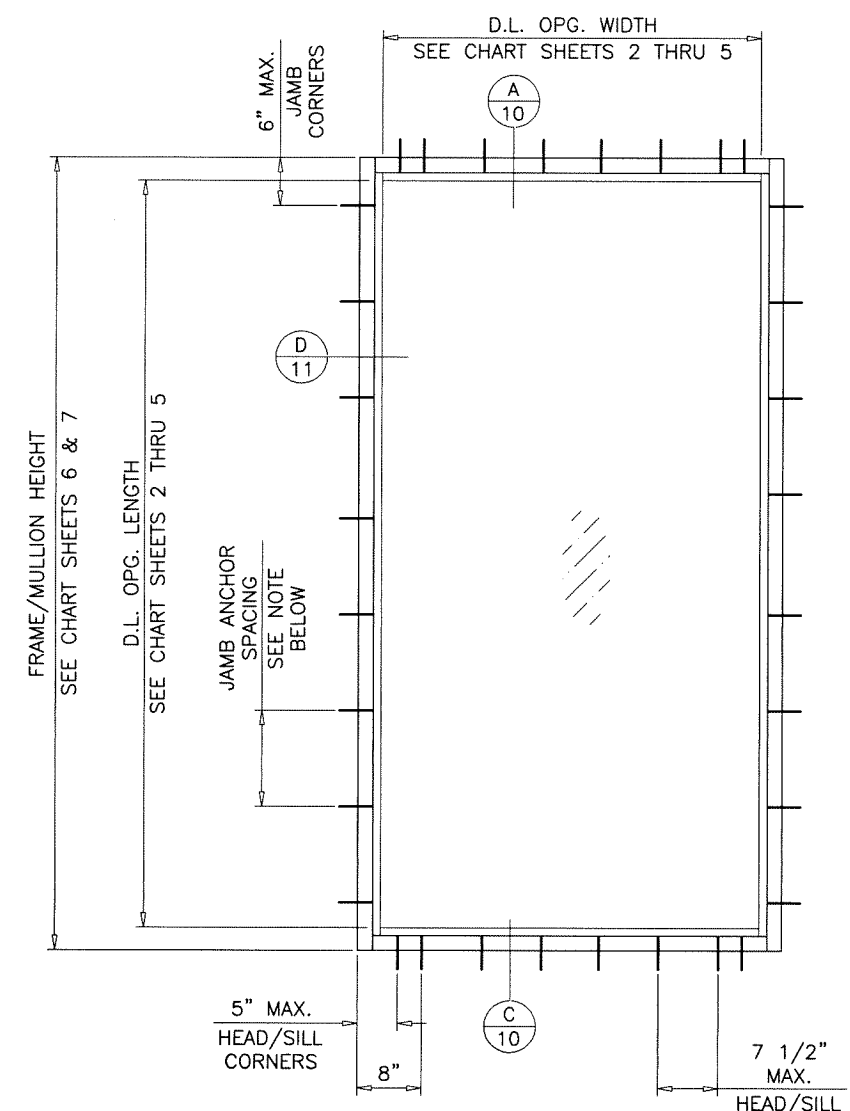




TYPICAL ELEVATIONS



SERIES-2046A IMPACT WINDOW WALL SYSTEM

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 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 LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL OR OTHER RIGID MATERIALS).

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 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.

ANCHOR SPACING AT FRAME JAMBS:

TYPICAL ANCHOR SPACING FOR 3/8" MAX. SHIMS = 7-1/2" O.C. FOR 1/4" MAX. SHIMS

ANCHOR TYPE 'A' = 12" O.C. (FOR LOADS UPTO 86.3 PSF)
10-1/2" O.C. (FOR LOADS ABOVE 863 PSF)
ANCHOR TYPES 'B' & 'C' = 12" O.C.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHART ON SHEETS 2 THRU 5 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 6 & 7 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHARTS ON SHEETS 8 & 9 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

WINDOW WALL SYSTEM WITH GLASS TYPES 'B', 'Bi', 'C' & 'Ci' COMPLY WITH REQUIREMENTS OF ANSI Z97.1 WITH GLAZING SILICONES DOWSIL 995 & GE SSG4600 ONLY. CODE REQUIREMENTS FOR SAFEGUARDS TO BE REVIEWD.

LARGE MISSILE IMPACT
LAM. GLASS & LAM. INSUL. GLASS

Sealed: 6/16/2026

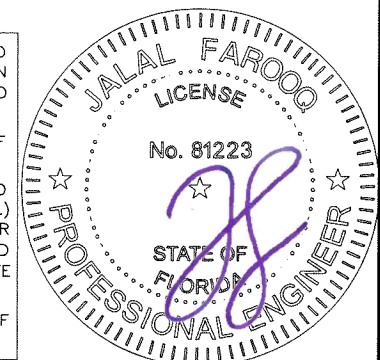
FL #16228

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.



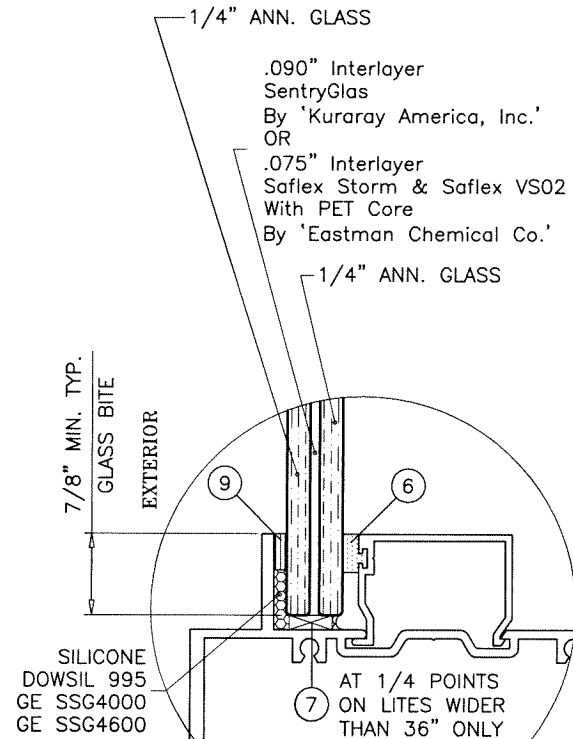
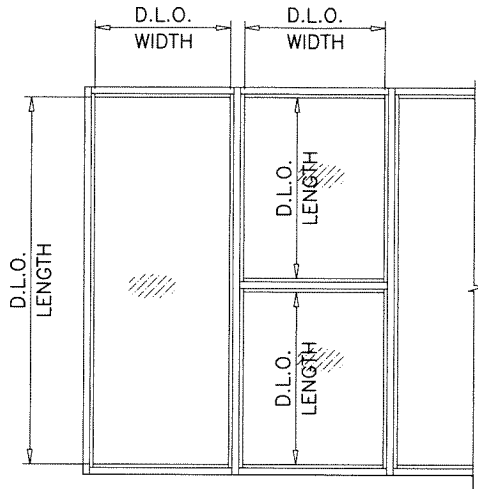
afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE\19-116F-GTE

SERIES-2046A ALUM WINDOW WALL SYSTEM (L.M.I.)
Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL. 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

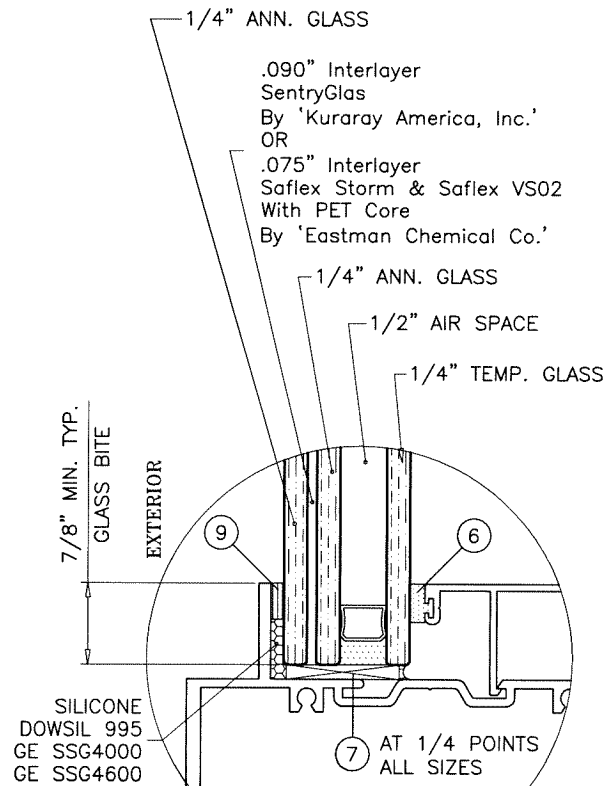
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	A	03.10.21		UPDATED TO 2020 FBC
	B	12.06.23		UPDATED TO 2023 FBC
	C	06.04.26		GENERAL REVISION
date:	10-29-19			
scale:	1/2"=1'-0"			
dr. by:	TARIQ			
chk. by:				
drawing no.	19-116F			
sheet	1 of 13			

GLASS DESIGN LOAD CAPACITY - PSF

NOMINAL DIMS.		GLASS TYPES 'A' & 'Ai'	
D.L.O. WIDTH	D.L.O. LENGTH	EXT.(+)	INT.(-)
20-1/8"	60-1/4"	120.0	120.0
26-1/8"		120.0	120.0
32-1/8"		120.0	120.0
38-1/8"		100.0	100.0
44-1/8"		96.7	96.7
50-1/8"		89.0	89.0
56-1/8"		81.9	81.9
20-1/8"	66-1/4"	120.0	120.0
26-1/8"		120.0	120.0
32-1/8"		100.0	100.0
38-1/8"		98.4	98.4
44-1/8"		88.7	88.7
50-1/8"		81.0	81.0
20-1/8"	72-1/4"	120.0	120.0
26-1/8"		120.0	120.0
32-1/8"		100.0	100.0
38-1/8"		91.2	91.2
44-1/8"		81.2	81.2
20-1/8"	78-1/4"	120.0	120.0
26-1/8"		100.0	100.0
32-1/8"		100.0	100.0
38-1/8"		85.2	85.2
20-1/8"	84-1/4"	120.0	120.0
26-1/8"		100.0	100.0
32-1/8"		96.8	96.8
38-1/8"		80.3	80.3
20-1/8"	90-1/4"	120.0	120.0
26-1/8"		100.0	100.0
32-1/8"		92.5	92.5
20-1/8"	96-1/4"	100.0	100.0
26-1/8"		100.0	100.0
32-1/8"		88.2	88.2
20-1/8"	102-1/4"	100.0	100.0
26-1/8"		100.0	100.0
32-1/8"		84.7	84.7
20-1/8"	108-1/4"	100.0	100.0
26-1/8"		100.0	100.0
20-1/8"	114-1/4"	100.0	100.0
26-1/8"		100.0	100.0



GLASS TYPE 'A'
9/16" OVERALL LAM. GLASS

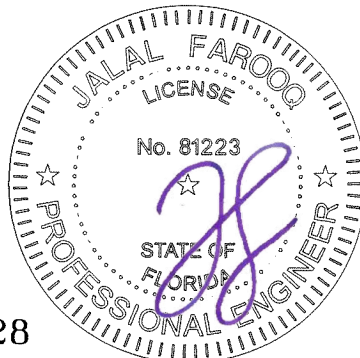


GLASS TYPE 'Ai'
1-3/8" OVERALL LAM. INSUL. GLASS

GLAZING OPTIONS

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

Sealed: 6/16/2026



FL #16228

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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STORE\19-116F-GTE

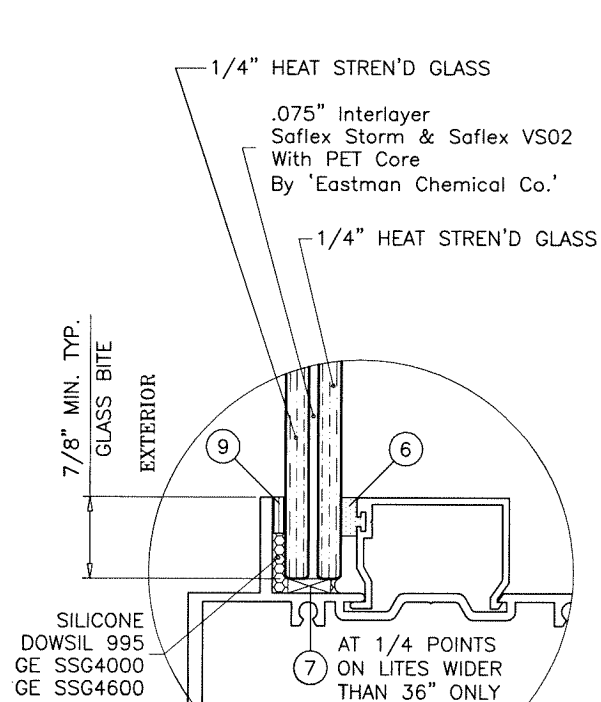
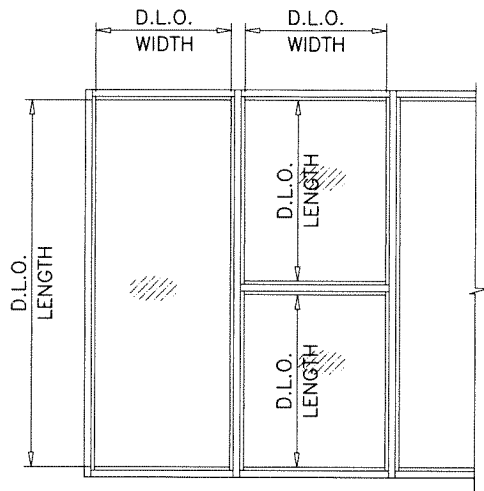
SERIES-2046A ALUM WINDOW WALL SYSTEM (L.M.I.)
Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL. 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:	no	date	by	description

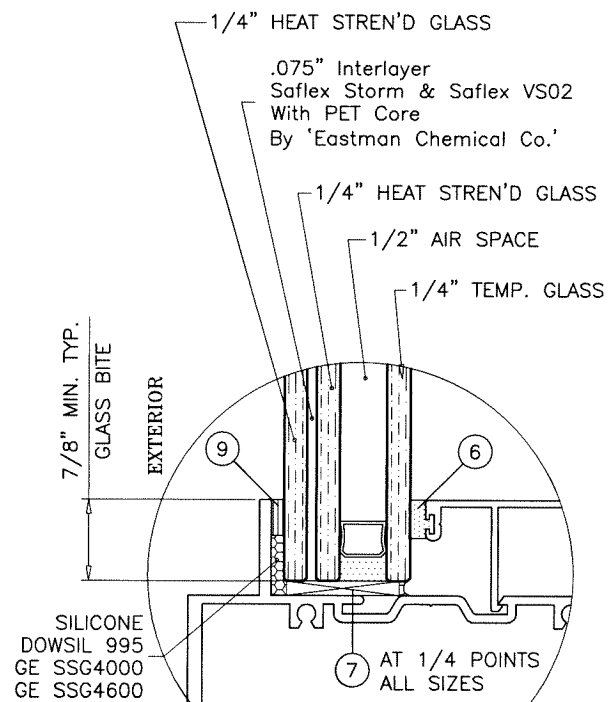
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dr. by: TARIQ
chk. by:

drawing no.
19-116F
sheet 2 of 13

GLASS DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPES 'C' & 'Ci'	
D.L.O. WIDTH	D.L.O. LENGTH	EXT.(+)	INT.(-)
20-1/8"	72-1/4"	120.0	120.0
26-1/8"		120.0	120.0
32-1/8"		120.0	120.0
38-1/8"		120.0	120.0
44-1/8"		120.0	120.0
50-1/8"		106.7	106.7
56-1/8"		96.0	96.0
20-1/8"	84-1/4"	120.0	120.0
26-1/8"		120.0	120.0
32-1/8"		120.0	120.0
38-1/8"		120.0	120.0
44-1/8"		120.0	120.0
50-1/8"		106.7	106.7
20-1/8"	96-1/4"	120.0	120.0
26-1/8"		120.0	120.0
32-1/8"		120.0	120.0
38-1/8"		120.0	120.0
44-1/8"	108-1/4"	120.0	120.0
20-1/8"		120.0	120.0
26-1/8"		120.0	120.0
32-1/8"		120.0	120.0
38-1/8"		120.0	120.0
20-1/8"	126-1/4"	120.0	120.0
26-1/8"		120.0	120.0
32-1/8"		120.0	120.0
20-1/8"	138-1/4"	120.0	120.0
26-1/8"		120.0	120.0



GLASS TYPE 'C'
9/16" OVERALL LAM. GLASS

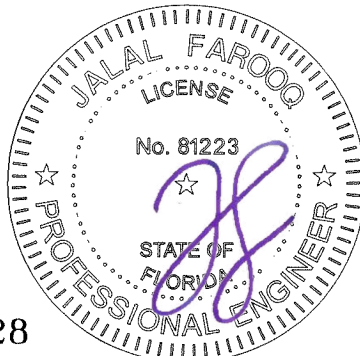


GLASS TYPE 'Ci'
1-3/8" OVERALL LAM. INSUL. GLASS

GLAZING OPTIONS

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

Sealed: 6/16/2026



FL #16228

afcc

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)

STORE\19-116F-GTE

SERIES-2046A ALUM WINDOW WALL SYSTEM (L.M.I.)

Glass Tech Engineering, Inc.

8321 N.W. 70th Street

Miami, FL. 33166

Tel. (305) 594-4321

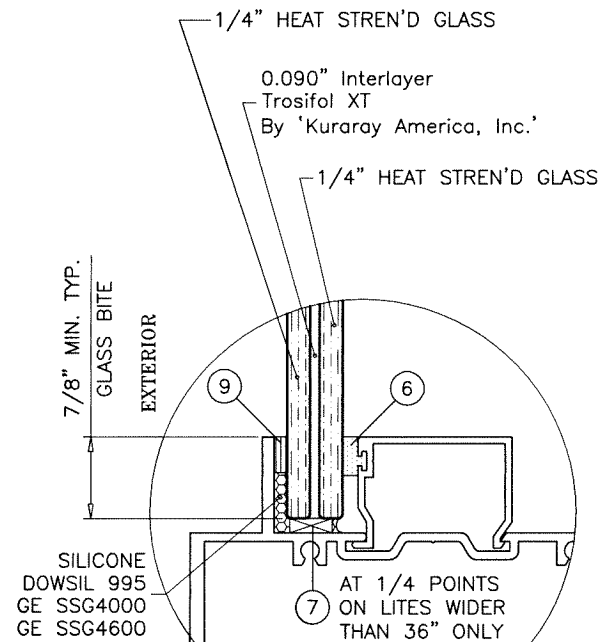
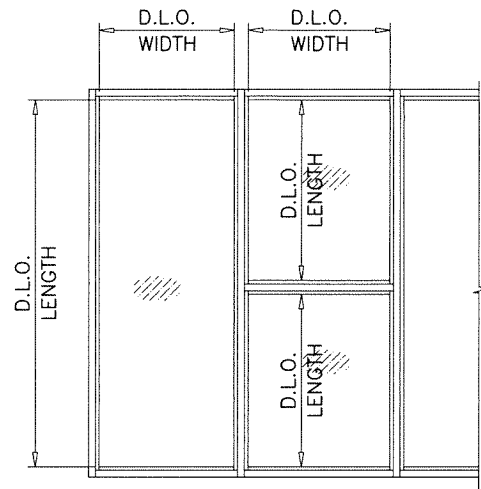
Fax. (305) 599-2730

revisions:	
no	description

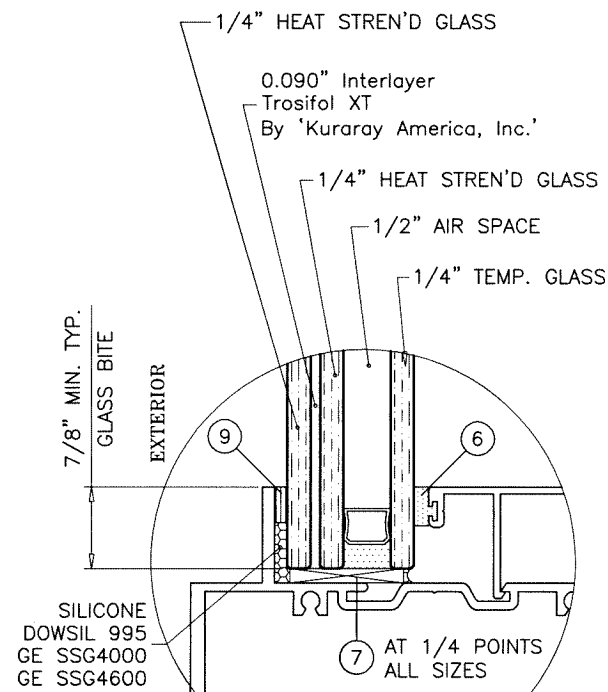
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drawing no.	19-116F
sheet	4 of 13

GLASS DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPES 'D' & 'Di'	
D.L.O. WIDTH	D.L.O. LENGTH	EXT.(+)	INT.(-)
20-1/8"	90-1/4"	80.0	80.0
26-1/8"		80.0	80.0
32-1/8"		80.0	80.0
38-1/8"		80.0	80.0
44-1/8"		80.0	80.0
50-1/8"		71.1	71.1
56-1/8"		64.0	64.0
20-1/8"	102-1/4"	80.0	80.0
26-1/8"		80.0	80.0
32-1/8"		80.0	80.0
38-1/8"		80.0	80.0
44-1/8"		80.0	80.0
50-1/8"		71.1	71.1
20-1/8"	120-1/4"	80.0	80.0
26-1/8"		80.0	80.0
32-1/8"		80.0	80.0
38-1/8"		80.0	80.0
44-1/8"		80.0	80.0
20-1/8"	138-1/4"	80.0	80.0
26-1/8"		80.0	80.0
32-1/8"		80.0	80.0
38-1/8"		80.0	80.0



GLASS TYPE 'D'
9/16" OVERALL LAM. GLASS

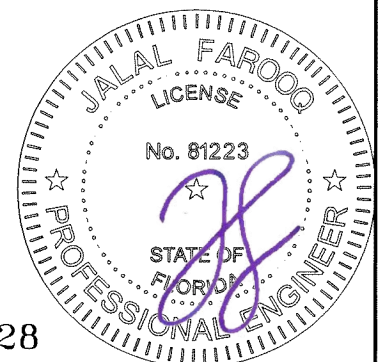


GLASS TYPE 'Di'
1-3/8" OVERALL LAM. INSUL. GLASS

GLAZING OPTIONS

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

Sealed: 6/16/2026



FL #16228

AL-FAROOQ CORPORATION
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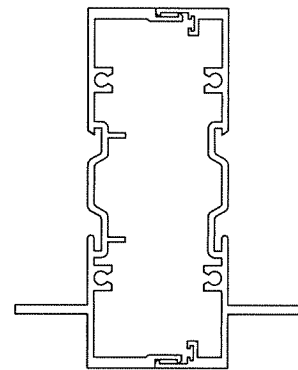
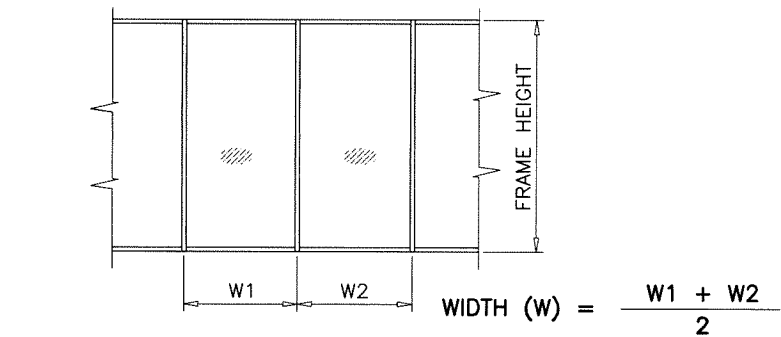
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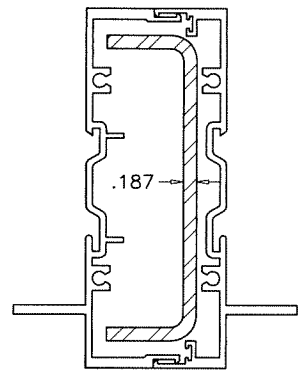
drawing no.
19-116F
sheet 5 of 13

MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS						
NOMINAL DIMS.		WITHOUT REINFORCING	ST-1 REINFORCING	ST-2 REINFORCING	ST-3 REINFORCING	ST-4 REINFORCING
WIDTH (W)	FRAME HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
24"	72"	100.0	120.0	120.0	120.0	120.0
30"		100.0	120.0	120.0	120.0	120.0
36"		100.0	120.0	120.0	120.0	120.0
42"		100.0	120.0	120.0	120.0	120.0
48"		100.0	120.0	120.0	120.0	120.0
54"		100.0	120.0	120.0	120.0	120.0
60"		100.0	120.0	120.0	120.0	120.0
66"		-	-	85.0	85.0	110.0
72"		-	-	85.0	85.0	110.0
24"	78"	100.0	120.0	120.0	120.0	120.0
30"		100.0	120.0	120.0	120.0	120.0
36"		100.0	120.0	120.0	120.0	120.0
42"		100.0	120.0	120.0	120.0	120.0
48"		100.0	120.0	120.0	120.0	120.0
54"		100.0	120.0	120.0	120.0	120.0
60"		-	120.0	120.0	120.0	120.0
66"		-	-	85.0	85.0	110.0
72"		-	-	85.0	85.0	110.0
24"	84"	100.0	120.0	120.0	120.0	120.0
30"		100.0	120.0	120.0	120.0	120.0
36"		100.0	120.0	120.0	120.0	120.0
42"		100.0	120.0	120.0	120.0	120.0
48"		100.0	120.0	120.0	120.0	120.0
54"		97.6	120.0	120.0	120.0	120.0
60"		-	120.0	120.0	120.0	120.0
66"		-	-	85.0	85.0	110.0
72"		-	-	85.0	85.0	110.0
24"	90"	100.0	120.0	120.0	120.0	120.0
30"		100.0	120.0	120.0	120.0	120.0
36"		100.0	120.0	120.0	120.0	120.0
42"		100.0	120.0	120.0	120.0	120.0
48"		90.3	120.0	120.0	120.0	120.0
54"		-	120.0	120.0	120.0	120.0
60"		-	114.5	120.0	120.0	120.0
66"		-	-	85.0	85.0	110.0
72"		-	-	85.0	85.0	110.0
24"	96"	100.0	120.0	120.0	120.0	120.0
30"		100.0	120.0	120.0	120.0	120.0
36"		99.7	120.0	120.0	120.0	120.0
42"		87.0	120.0	120.0	120.0	120.0
48"		77.7	116.9	120.0	120.0	120.0
54"		-	106.5	120.0	120.0	120.0
60"		-	98.6	117.1	120.0	120.0
66"		-	-	85.0	85.0	110.0
72"		-	-	85.0	85.0	110.0
24"	102"	-	120.0	120.0	120.0	120.0
30"		-	120.0	120.0	120.0	120.0
36"		-	120.0	120.0	120.0	120.0
42"		-	115.0	120.0	120.0	120.0
48"		-	102.5	120.0	120.0	120.0
54"		-	93.1	110.6	120.0	120.0
60"		-	-	85.0	85.0	110.0
66"		-	-	85.0	85.0	110.0
72"		-	-	85.0	85.0	110.0

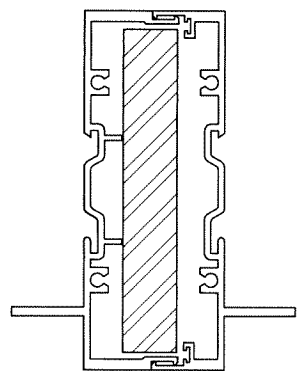
MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS						
NOMINAL DIMS.		WITHOUT REINFORCING	ST-1 REINFORCING	ST-2 REINFORCING	ST-3 REINFORCING	ST-4 REINFORCING
WIDTH (W)	FRAME HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
24"	108"	-	120.0	120.0	120.0	120.0
30"		-	120.0	120.0	120.0	120.0
36"		-	117.4	120.0	120.0	120.0
42"		-	102.0	120.0	120.0	120.0
48"		-	90.6	107.7	120.0	120.0
54"		-	-	85.0	85.0	110.0
60"		-	-	85.0	85.0	110.0
66"		-	-	83.6	85.0	110.0
72"		-	-	78.8	85.0	110.0
24"	114"	-	120.0	120.0	120.0	120.0
30"		-	120.0	120.0	120.0	120.0
36"		-	104.9	120.0	120.0	120.0
42"		-	91.0	108.2	120.0	120.0
48"		-	80.8	96.0	108.8	110.0
54"		-	-	85.0	85.0	110.0
60"		-	-	79.6	85.0	110.0
66"		-	-	73.9	83.8	110.0
72"		-	-	-	-	106.9
24"	120"	-	120.0	120.0	120.0	120.0
30"		-	112.3	120.0	120.0	120.0
36"		-	94.4	112.2	120.0	120.0
42"		-	81.8	97.2	110.2	120.0
48"		-	72.5	86.1	97.6	120.0
54"		-	-	77.7	85.0	110.0
60"		-	-	71.1	80.6	109.5
66"		-	-	65.9	74.7	101.4
72"		-	-	-	-	95.0
24"	126"	-	-	85.0	85.0	110.0
30"		-	-	85.0	85.0	110.0
36"		-	-	85.0	85.0	110.0
42"		-	-	85.0	85.0	110.0
48"		-	-	77.7	85.0	110.0
54"		-	-	70.0	79.4	107.8
60"		-	-	64.0	72.5	98.5
66"		-	-	-	-	91.1
24"	132"	-	-	85.0	85.0	110.0
30"		-	-	85.0	85.0	110.0
36"		-	-	85.0	85.0	110.0
42"		-	-	85.0	85.0	110.0
48"		-	-	70.5	79.9	108.5
54"		-	-	63.4	71.9	97.6
60"		-	-	57.9	60.0	89.1
66"		-	-	-	-	-
24"	138"	-	-	-	-	110.0
30"		-	-	-	-	110.0
36"		-	-	-	-	110.0
42"		-	-	-	-	110.0
48"		-	-	-	-	98.9
54"		-	-	-	-	88.9
60"		-	-	-	-	81.0
66"		-	-	-	-	-
24"	144"	-	-	-	-	110.0
30"		-	-	-	-	110.0
36"		-	-	-	-	110.0
42"		-	-	-	-	102.6
48"		-	-	-	-	90.6
54"		-	-	-	-	81.3
60"		-	-	-	-	74.0
66"		-	-	-	-	-



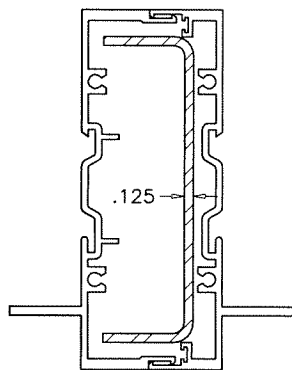
	Ix IN ⁴	Sx IN ³
ALUM	6.2048	2.2894



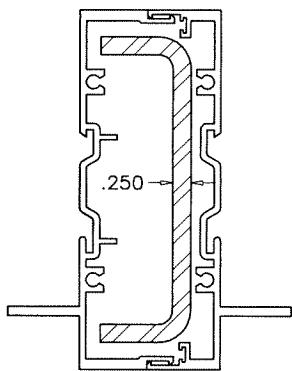
	Ix IN ⁴	Sx IN ³
ALUMINUM	6.2048	2.2894
STEEL	2.6597	1.2516
TOTAL Ix ALUM + Ix STL X 2.9	13.8416	



	Ix IN ⁴	Sx IN ³
ALUMINUM	6.2048	2.2894
STEEL	5.6953	2.5313
TOTAL Ix ALUM + Ix STL X 2.9	22.5577	



	Ix IN ⁴	Sx IN ³
ALUMINUM	6.2048	2.2894
STEEL	1.8955	.8920
TOTAL Ix ALUM + Ix STL X 2.9	11.6473	



	Ix IN ⁴	Sx IN ³
ALUMINUM	6.2048	2.2894
STEEL	3.3026	1.5542
TOTAL Ix ALUM + Ix STL X 2.9	15.6875	

Sealed: 6/16/2026

FL #16228



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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SERIES-2046A ALUM WINDOW WALL SYSTEM (L.M.I.)

Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL. 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:

no	date	by	description

date: 10-29-19

scale: -

dr. by: TARIQ

chk. by:

drawing no.

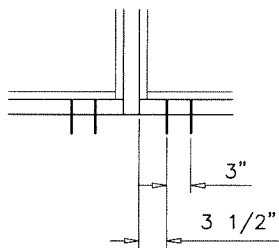
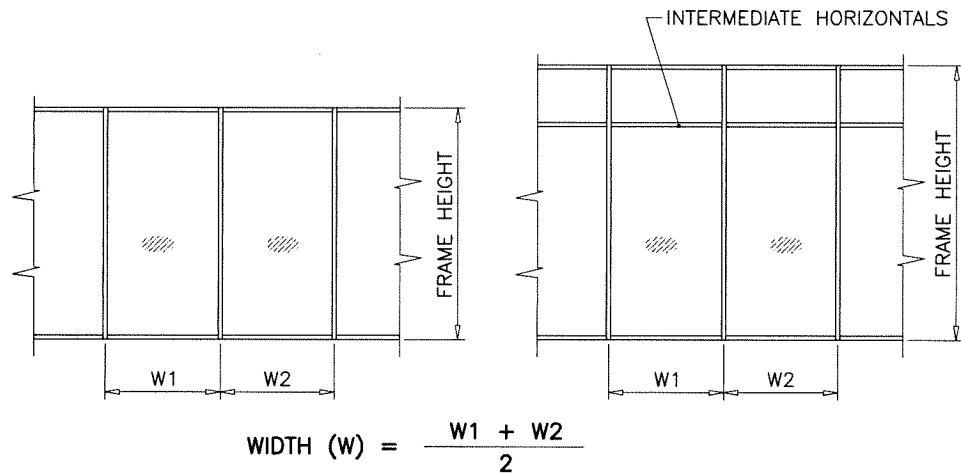
19-116F

sheet 6 of 13

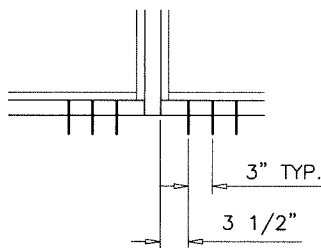
STORE 19-116F-GTE

ANCHOR LOAD CAPACITY – PSF (1/4" MAX. SHIMS) EXT.(+) & INT.(–)										
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'			ANCHORS TYPE 'C'		
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3	B4	C2	C3	C4
30"	90"	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		115.1	130.0	130.0	128.9	130.0	130.0	130.0	130.0	130.0
42"		103.0	130.0	130.0	115.3	130.0	130.0	130.0	130.0	130.0
48"		94.2	130.0	130.0	105.5	130.0	130.0	130.0	130.0	130.0
54"		87.7	130.0	130.0	98.2	130.0	130.0	130.0	130.0	130.0
60"		82.9	124.3	130.0	92.8	130.0	130.0	124.8	130.0	130.0
66"		79.3	119.0	130.0	88.8	130.0	130.0	119.4	130.0	130.0
72"		76.7	115.1	130.0	85.9	128.9	130.0	115.6	130.0	130.0
30"	96"	122.8	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
36"		106.3	130.0	130.0	119.0	130.0	130.0	130.0	130.0	130.0
42"		94.7	130.0	130.0	106.1	130.0	130.0	130.0	130.0	130.0
48"		86.3	129.5	130.0	96.7	130.0	130.0	130.0	130.0	130.0
54"		80.1	120.1	130.0	89.7	130.0	130.0	120.6	130.0	130.0
60"		75.3	113.0	130.0	84.4	126.5	130.0	113.5	130.0	130.0
66"		71.8	107.6	130.0	80.3	120.5	130.0	108.1	130.0	130.0
72"		69.1	103.6	130.0	77.3	116.0	130.0	104.0	130.0	130.0
30"	102"	114.3	130.0	130.0	128.0	130.0	130.0	130.0	130.0	130.0
36"		98.7	130.0	130.0	110.5	130.0	130.0	130.0	130.0	130.0
42"		87.7	130.0	130.0	98.2	130.0	130.0	130.0	130.0	130.0
48"		79.7	119.5	130.0	89.2	130.0	130.0	120.0	130.0	130.0
54"		73.7	110.5	130.0	82.5	123.7	130.0	110.9	130.0	130.0
60"		69.1	103.6	130.0	77.3	116.0	130.0	104.0	130.0	130.0
66"		65.5	98.3	130.0	73.4	110.0	130.0	98.7	130.0	130.0
72"		62.8	94.2	125.6	70.3	105.5	130.0	94.5	130.0	130.0
30"	108"	106.9	130.0	130.0	119.7	130.0	130.0	130.0	130.0	130.0
36"		92.1	130.0	130.0	103.1	130.0	130.0	130.0	130.0	130.0
42"		81.7	122.5	130.0	91.4	130.0	130.0	123.0	130.0	130.0
48"		74.0	111.0	130.0	82.9	124.3	130.0	111.4	130.0	130.0
54"		68.2	102.3	130.0	76.4	114.6	130.0	102.7	130.0	130.0
60"		63.8	95.6	127.5	71.4	107.1	130.0	96.0	130.0	130.0
66"		60.3	90.4	120.6	67.5	101.2	130.0	90.8	130.0	130.0
72"		57.6	86.3	115.1	64.4	96.7	128.9	86.7	130.0	130.0
30"	114"	100.5	130.0	130.0	112.5	130.0	130.0	130.0	130.0	130.0
36"		86.3	129.5	130.0	96.7	130.0	130.0	130.0	130.0	130.0
42"		76.4	114.6	130.0	85.5	128.3	130.0	115.0	130.0	130.0
48"		69.1	103.6	130.0	77.3	116.0	130.0	104.0	130.0	130.0
54"		63.5	95.3	127.0	71.1	106.7	130.0	95.6	130.0	130.0
60"		59.2	88.8	118.4	66.3	99.4	130.0	89.1	130.0	130.0
66"		55.8	83.7	111.6	62.5	93.7	125.0	84.0	126.1	130.0
72"		53.1	79.7	106.3	59.5	89.2	110.0	80.0	110.0	110.0
30"	120"	94.7	130.0	130.0	106.1	130.0	130.0	130.0	130.0	130.0
36"		81.3	121.9	130.0	91.0	130.0	130.0	122.4	130.0	130.0
42"		71.8	107.6	130.0	80.3	120.5	130.0	108.1	130.0	130.0
48"		64.8	97.1	129.5	72.5	108.8	130.0	97.5	130.0	130.0
54"		59.4	89.1	118.8	66.5	99.8	130.0	89.5	130.0	130.0
60"		55.3	82.9	110.5	61.9	92.8	123.7	83.2	124.8	130.0
66"		52.0	77.9	103.9	58.2	87.3	110.0	78.2	110.0	110.0
72"		49.3	74.0	98.7	55.2	82.9	110.0	74.3	110.0	110.0
30"	126"	89.6	130.0	130.0	100.3	130.0	130.0	130.0	130.0	130.0
36"		76.7	115.1	130.0	85.9	128.9	130.0	115.6	130.0	130.0
42"		67.7	101.5	130.0	75.8	113.6	130.0	101.9	130.0	130.0
48"		60.9	91.4	121.9	68.2	102.4	130.0	91.8	130.0	130.0
54"		55.8	83.7	111.6	62.5	93.7	125.0	84.0	126.1	130.0
60"		51.8	77.7	103.6	58.0	87.0	116.0	78.0	117.0	130.0
66"		48.6	72.9	97.2	54.4	81.6	108.9	73.2	109.8	110.0

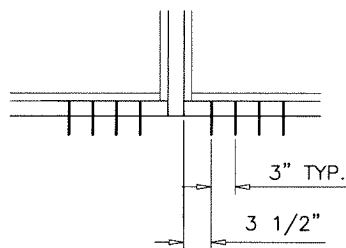
ANCHOR LOAD CAPACITY – PSF (1/4" MAX. SHIMS) EXT.(+) & INT.(–)										
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'			ANCHORS TYPE 'C'		
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3	B4	C2	C3	C4
30"	132"	85.0	127.5	130.0	95.2	130.0	130.0	128.0	130.0	130.0
36"		72.7	109.1	130.0	81.4	122.0	130.0	109.5	130.0	130.0
42"		64.0	96.0	128.0	71.7	107.5	130.0	96.4	130.0	130.0
48"		57.6	86.3	115.1	64.4	96.7	128.9	86.7	130.0	130.0
54"		52.6	78.9	105.2	58.9	88.4	117.8	79.2	118.9	130.0
60"		48.8	73.1	97.5	54.6	81.9	109.2	73.4	110.0	110.0
30"	138"	80.9	121.3	130.0	90.5	130.0	130.0	121.8	130.0	130.0
36"		69.1	103.6	130.0	77.3	116.0	130.0	104.0	130.0	130.0
42"		60.7	91.1	121.4	68.0	102.0	130.0	91.4	130.0	130.0
48"		54.5	81.8	109.1	61.1	91.6	122.1	82.1	123.2	130.0
54"		49.8	74.7	99.6	55.7	83.6	111.5	75.0	112.4	130.0
60"		46.0	69.1	92.1	51.6	77.3	103.1	69.3	104.0	110.0
30"	144"	77.1	115.6	130.0	86.3	129.5	130.0	116.1	130.0	130.0
36"		65.8	98.7	130.0	73.7	110.5	130.0	99.0	130.0	130.0
42"		57.8	86.6	115.5	64.7	97.0	129.3	87.0	130.0	130.0
48"		51.8	77.7	103.6	58.0	87.0	116.0	78.0	117.0	130.0
54"		47.2	70.8	94.5	52.9	79.3	105.8	71.1	106.7	130.0
60"		43.6	65.4	87.2	48.8	73.3	97.7	65.7	98.5	110.0



A2, B2, C2



A3, B3, C3



A4, B4, C4

ANCHORS TYPES: SEE SHEET 10 FOR DESCRIPTION

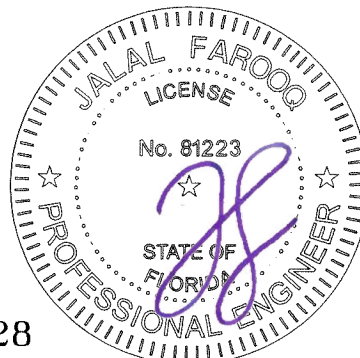
A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION

B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION
B4 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION

C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION
C3 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION
C4 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

Sealed: 6/16/2026



FL #16228

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

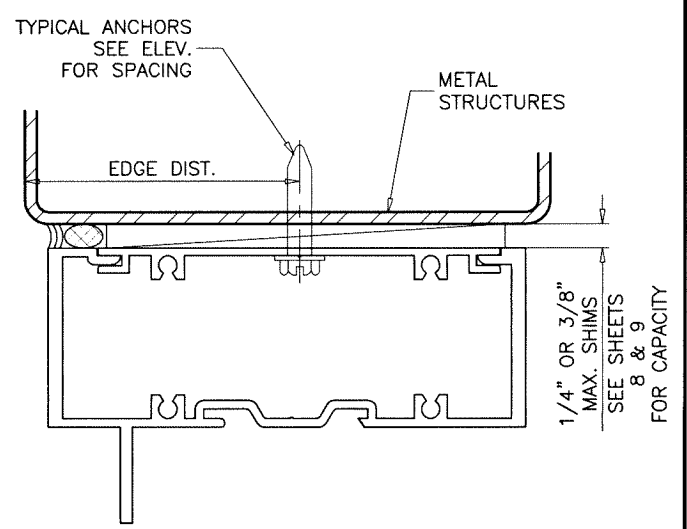
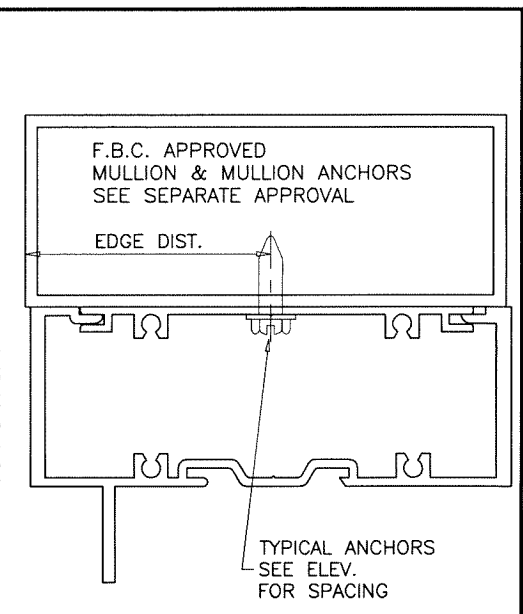
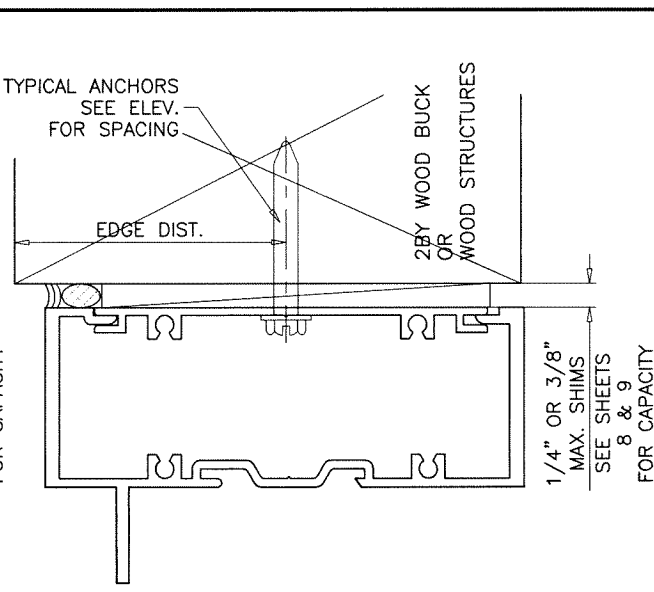
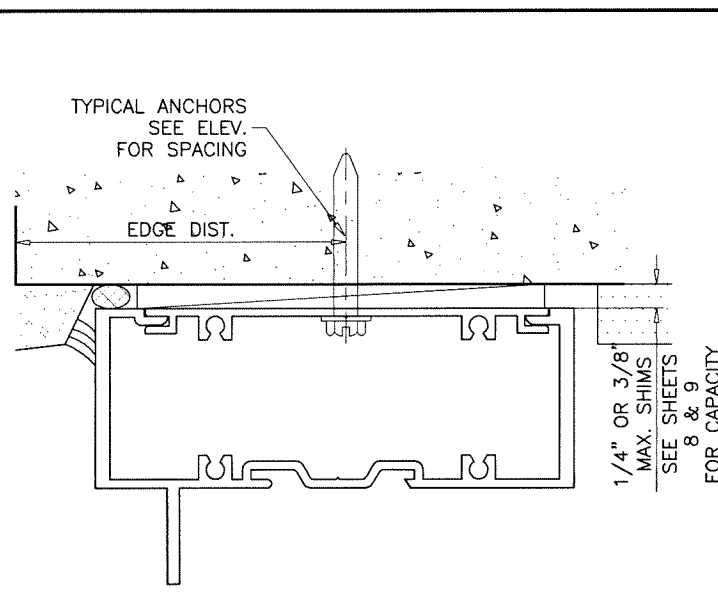
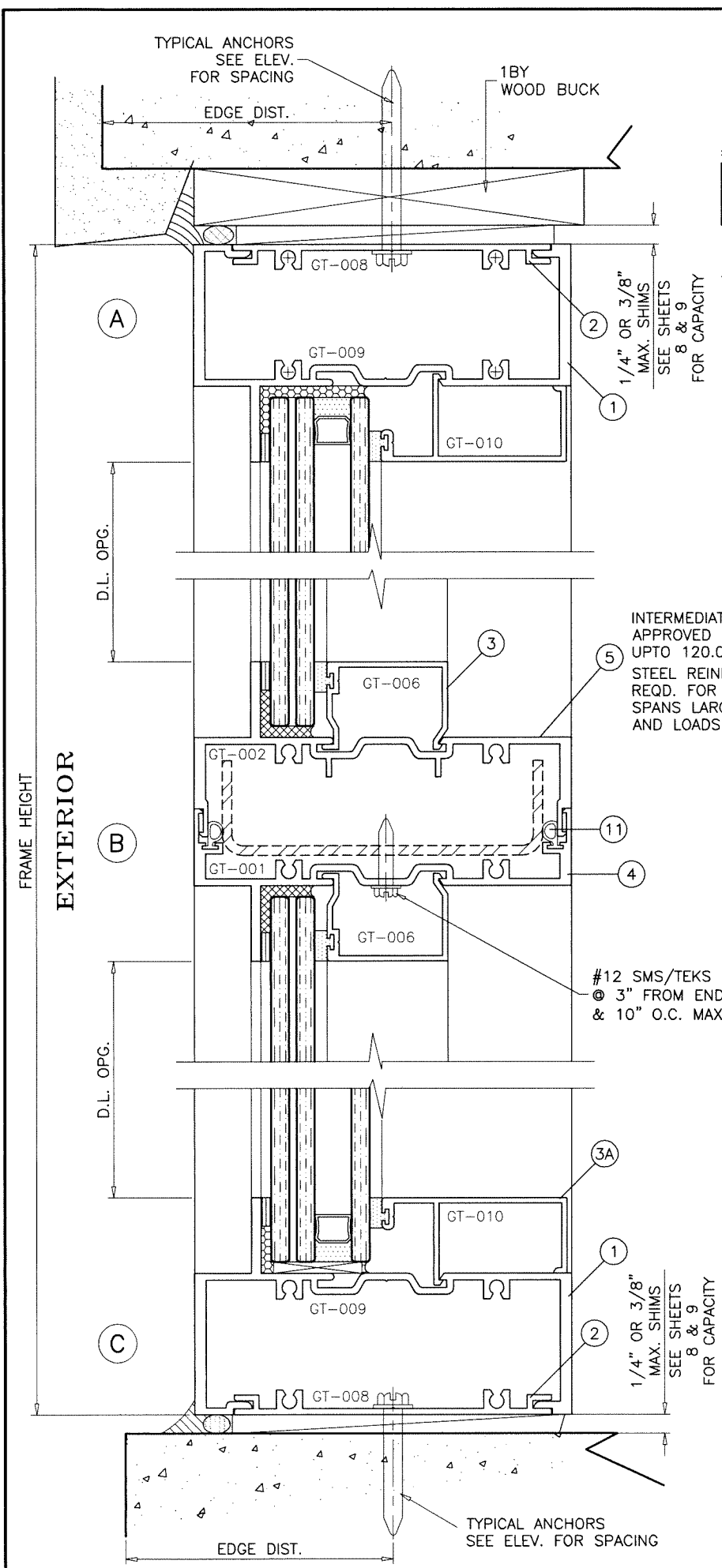
SERIES-2046A ALUM WINDOW WALL SYSTEM (L.M.I.)

Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL. 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:	no	date	by	description

date: 10-29-19	scale: -	dr. by: TARIQ	chk. by:
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drawing no.	19-116F
sheet	8 of 13



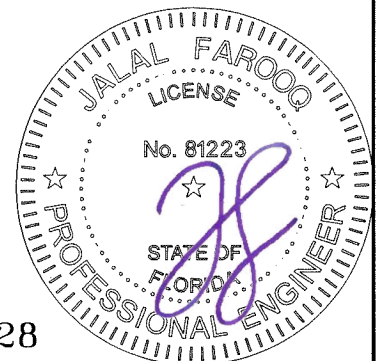
WOOD BUCKS AND METAL STRUCTURES NOT BY 'GLASS TECH' MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

- 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/SILL/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/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 OR BLOCKS
 1-1/2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
- TYPE 'C'—** 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)

CRITICAL 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.

Sealed: 6/16/2026



FL #16228

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
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STORE\19-116F-GTE

SERIES-2046A ALUM WINDOW WALL SYSTEM (L.M.I.)

Glass Tech Engineering, Inc.
 8321 N.W. 70th Street
 Miami, FL. 33166
 Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:	
no	description

date: 10-29-19

scale: 1/2" = 1"

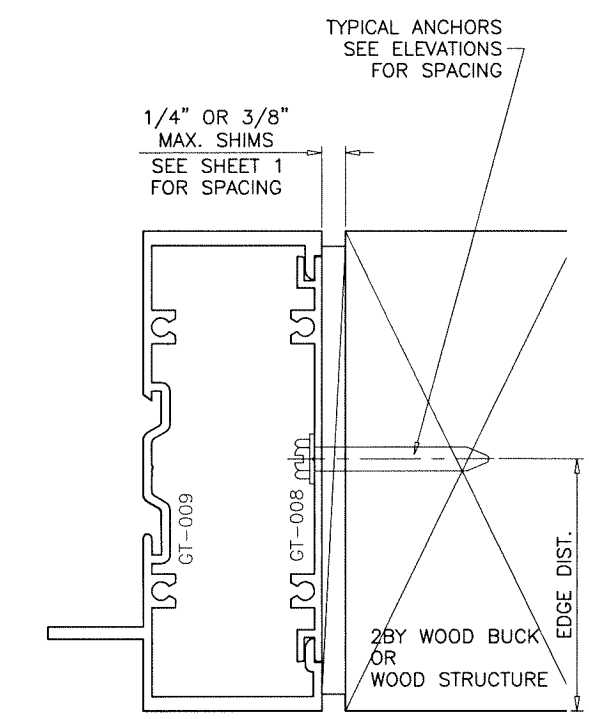
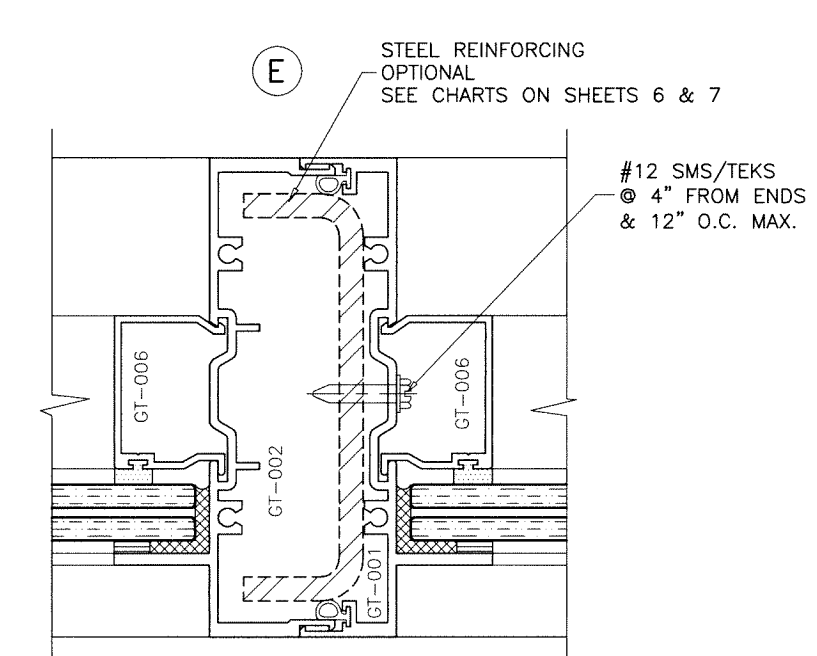
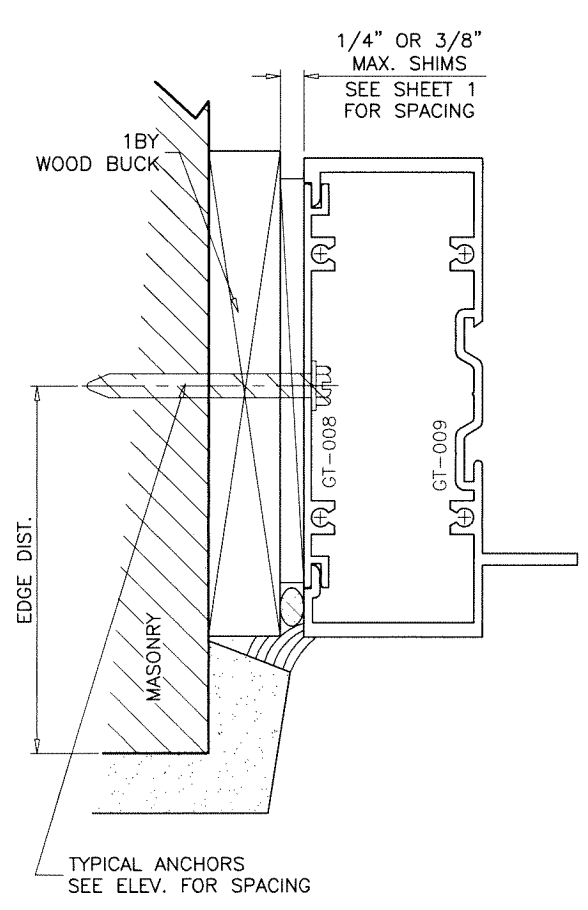
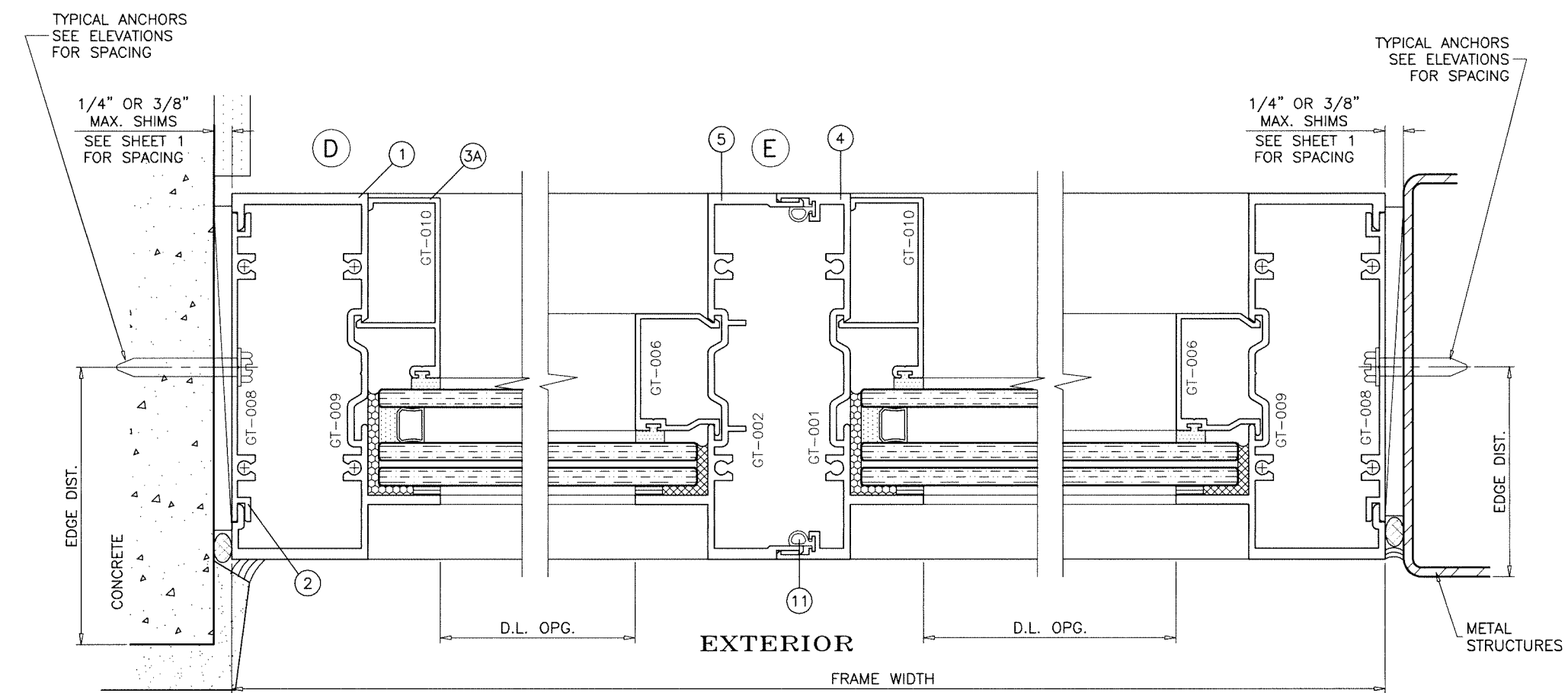
dr. by: TARIQ

chk. by:

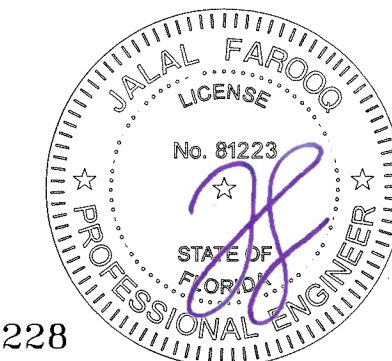
drawing no.

19-116F

sheet 10 of 13



Sealed: 6/16/2026



FL #16228

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

STORE 19-116F-GTE

SERIES-2046A ALUM WINDOW WALL SYSTEM (L.M.I.)

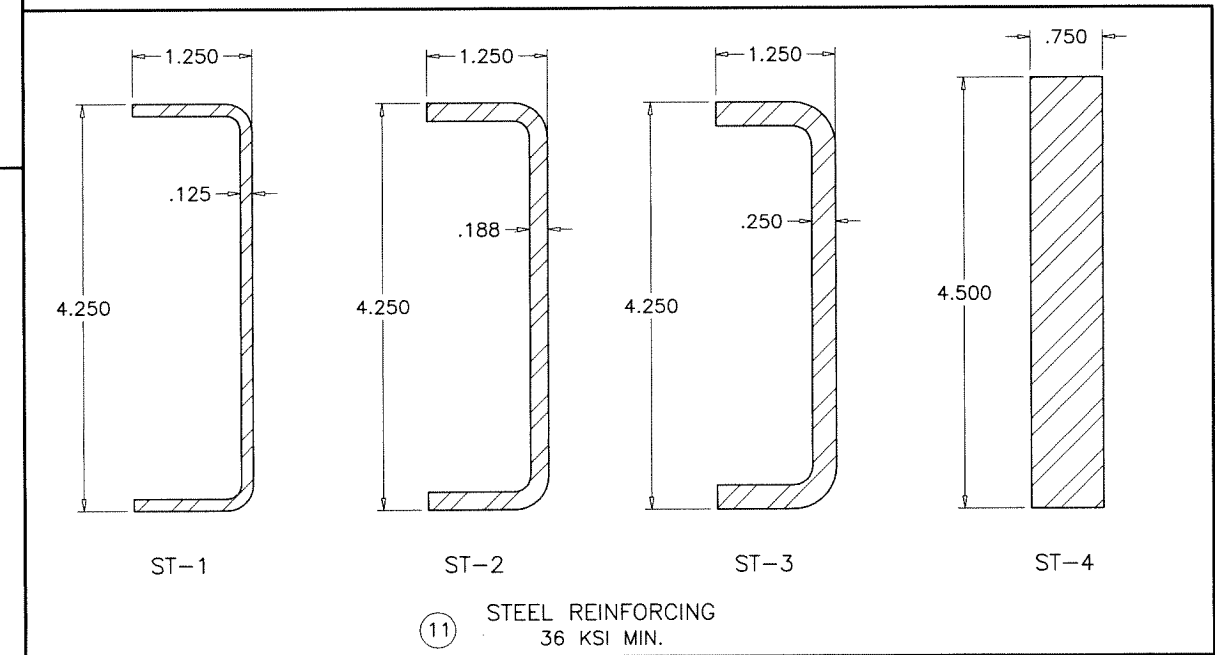
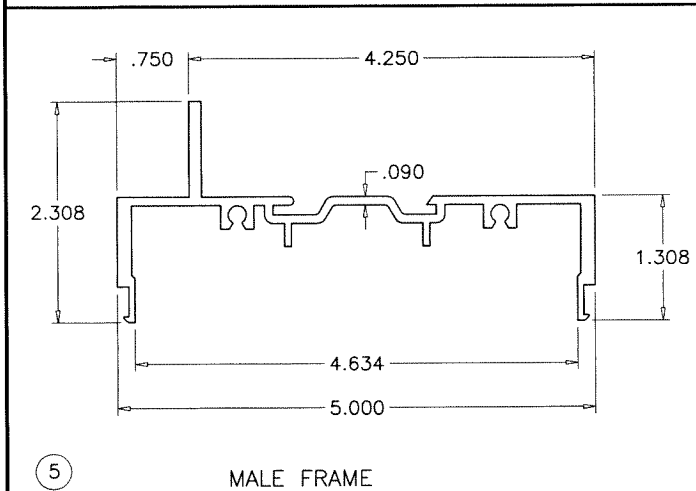
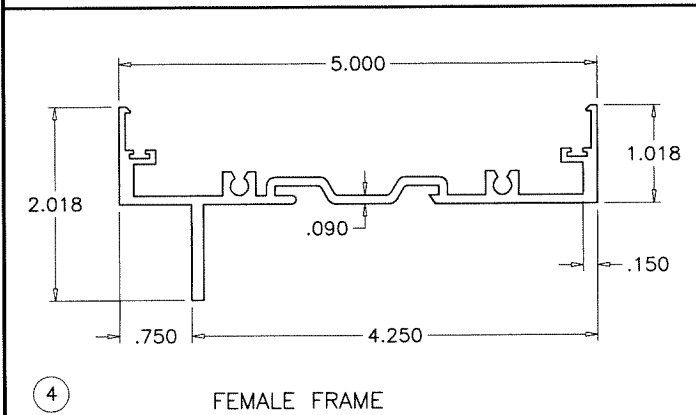
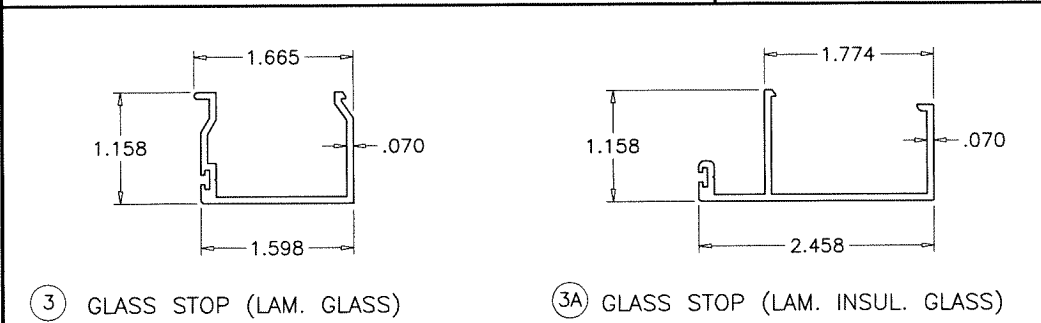
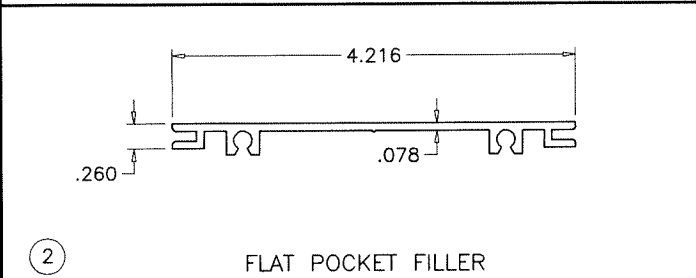
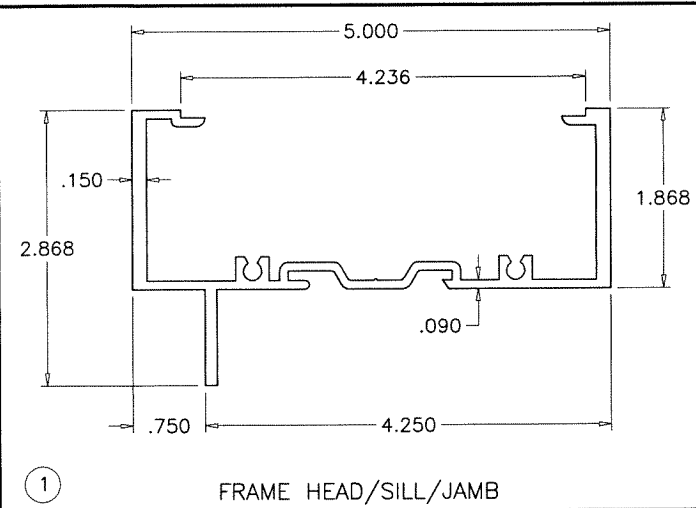
Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL. 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

revisions:

no	date	by	description

date: 10-29-19
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

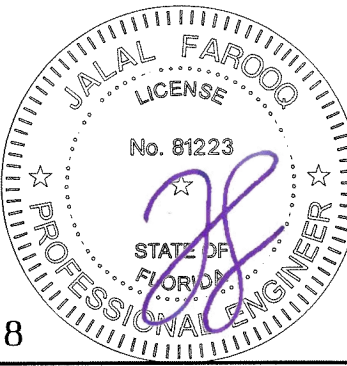
drawing no.
19-116F
sheet 11 of 13



ITEM No.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	GT-009	AS REQD.	HEAD, SILL AND JAMB FRAME	6063-T6	-
2	GT-008	AS REQD.	FLAT POCKET FILLER	6063-T6	-
3	GT-006	AS REQD.	GLASS STOP (LAM. GLASS)	6063-T5	-
3A	GT-010	AS REQD.	GLASS STOP (LAM. INSUL. GLASS)	6063-T5	-
4	GT-001	AS REQD.	FEMALE FRAME	6063-T6	-
5	GT-002	AS REQD.	MALE FRAME	6063-T6	-
6	TR-427N	AS REQD.	GLAZING GASKET	NEOPRENE	TREMCO
7	-	AS REQD.	SETTING BLOCKS	EPDM	DUROMETER 80±5 SHORE A
8	-	AS REQD.	GLAZING COMPOUND	SILICONE	DOWSIL/GE
9	V2204	AS REQD.	GLAZING TAPE (1/8" X 3/8")	-	NORTON
10	#12 X 1-1/2"	AS REQD.	FRAME ASSEMBLY SCREWS	-	SMS OR SELF DRILLING
11	-	AS REQD.	BULB VINYL	-	-

SEALANTS:
ALL FRAME CORNERS SEALED WITH JOINT SEALANT.

Sealed: 6/16/2026



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

SERIES-2046A ALUM WINDOW WALL SYSTEM (L.M.I.)

Glass Tech Engineering, Inc.
8321 N.W. 70th Street
Miami, FL. 33166
Tel. (305) 594-4321 Fax. (305) 599-2730

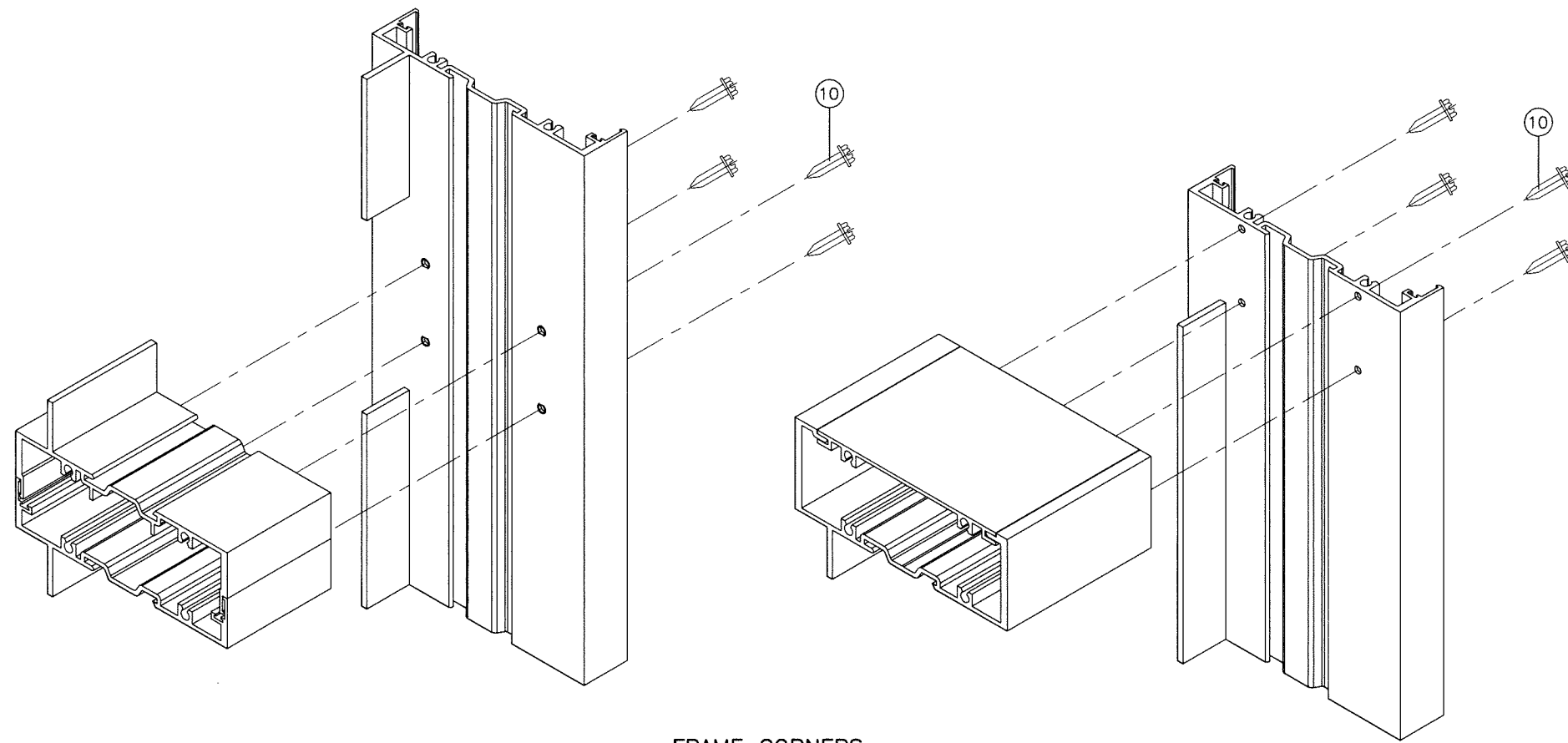
revisions:

no	date	by	description

date: 10-29-19
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

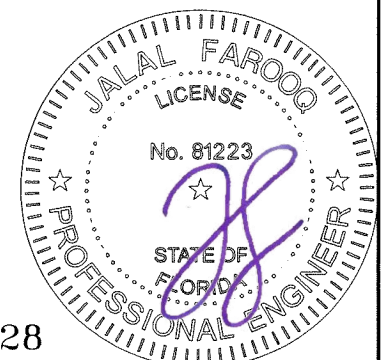
drawing no.
19-116F
sheet 12 of 13

FL #16228



FRAME CORNERS

Sealed: 6/16/2026



FL #16228

AL-FAROOQ CORPORATION
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drawing no.
19-116F
sheet 13 of 13

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