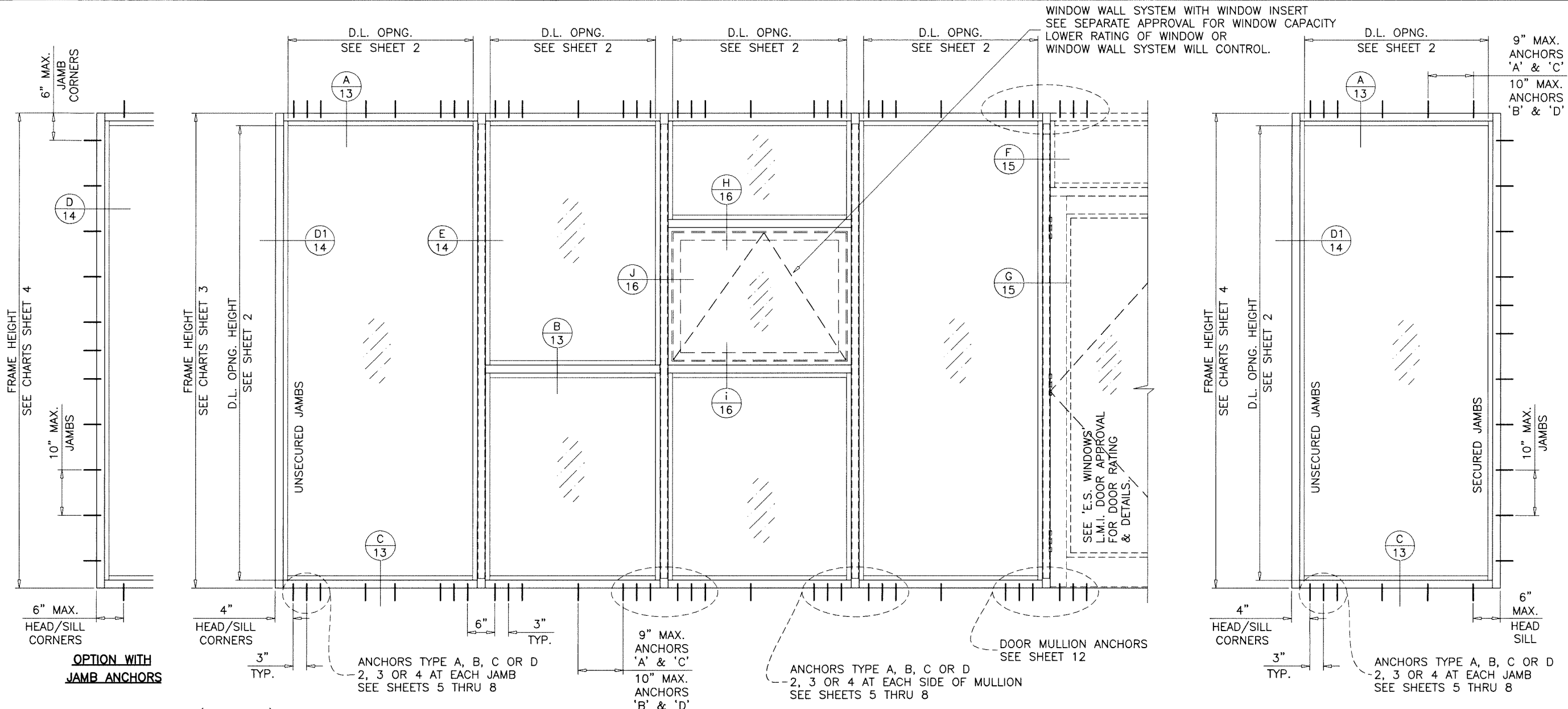




SERIES ES-8000T (JUMBO)
ALUMINUM WINDOW WALL SYSTEM

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 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 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.

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 CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 3 FOR WINDOW WALL MULLION AND SHEETS 9 THRU 11 FOR DOOR MULLION. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** CHECK ANCHOR CAPACITY FOR WINDOW WALL SYSTEM USING CHARTS ON SHEETS 5 THRU 8 FOR DOOR MULLION ANCHOR CAPACITY SEE CHART ON SHEET 12. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

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.

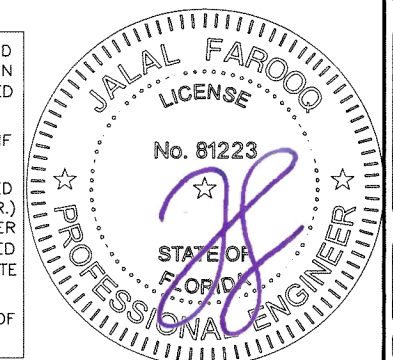
D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

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

WINDOW WALL SYSTEM COMPLY WITH REQUIREMENTS OF ANSI Z97.1.

Sealed: 3/13/2025

FL #17897



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

ES-8000T (JUMBO) ALUM WINDOW WALL SYS. (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

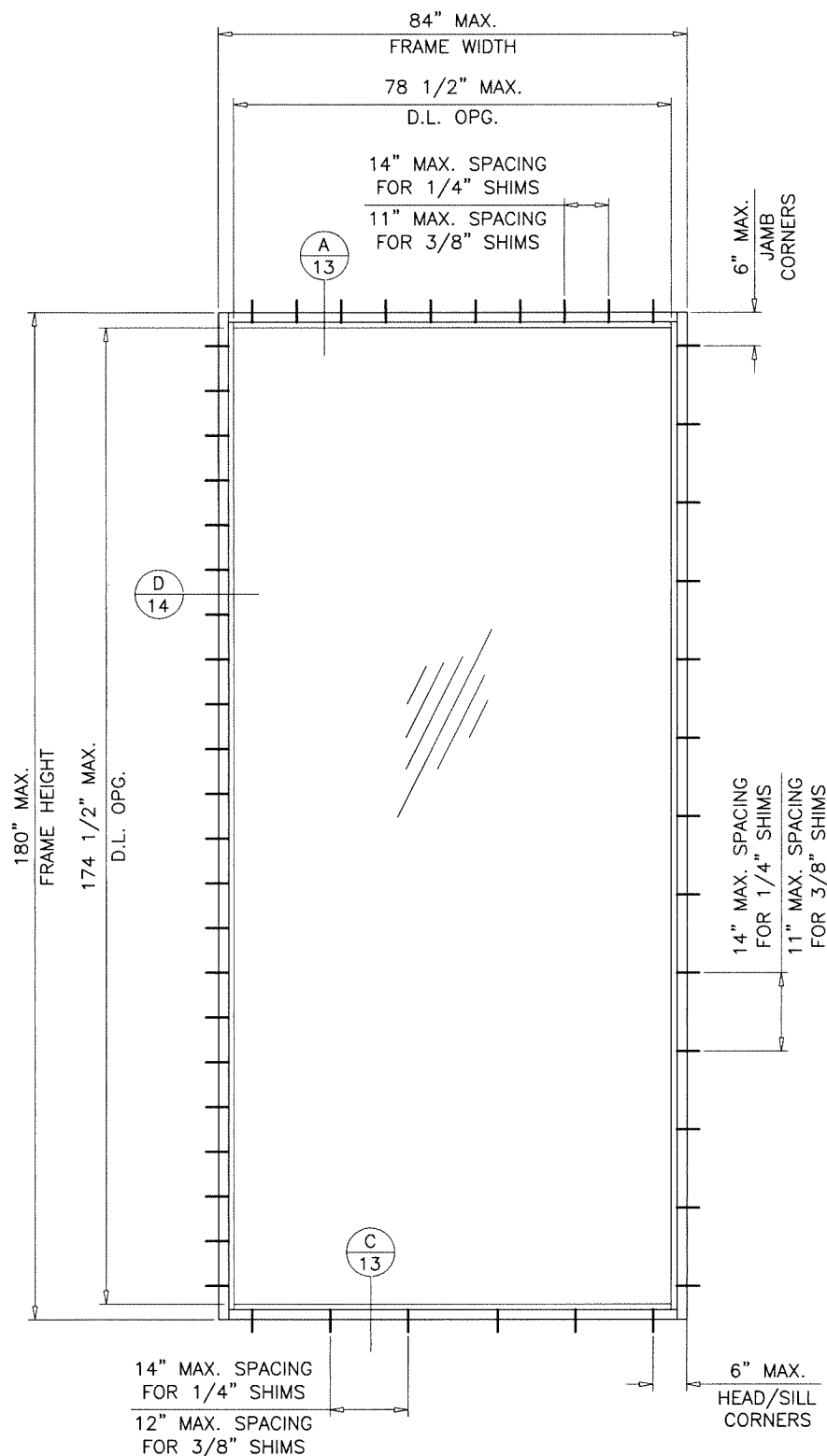
revisions:	no	date	description
	A	01.25.23	GLAZING SILICONE GE ADDED
	B	07.25.23	UPDATED TO 2023 FBC
	C	03.13.25	GLAZING GASKET MATERIAL REV.

date: 07-29-21
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
21-58F

sheet 1 of 18

COMP-ANL\21-58FES



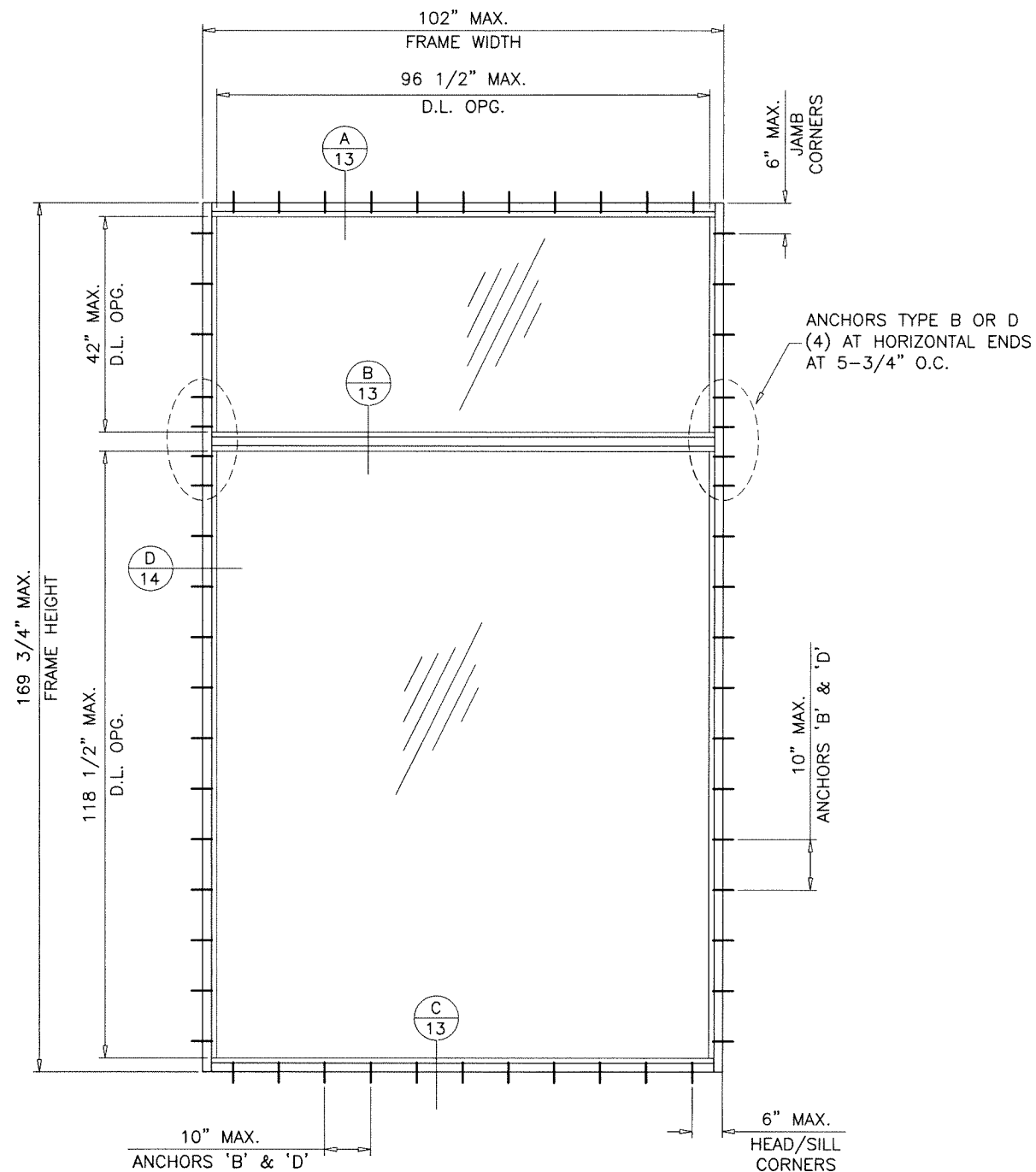
TYPICAL ELEVATION
SINGLE (O) PANEL

GLASS TYPE 'GL2'

MAXIMUM DESIGN LOAD RATING = + 70.0 PSF
- 70.0 PSF

(FOR SINGLE UNITS SHOWN ABOVE OR SMALLER)

THESE FRAMES CAN BE USED AT ALL SUBSTRATES SHOWN
ON SHEETS 13 AND 14.



GLASS TYPES 'GL1' & 'GL2'

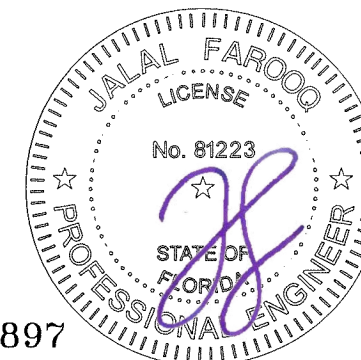
MAXIMUM DESIGN LOAD RATING = + 70.0 PSF
- 70.0 PSF

(FOR SINGLE UNIT SHOWN ABOVE ONLY)

THESE FRAMES CAN BE USED AT ALL SUBSTRATES SHOWN
ON SHEETS 13 AND 14.

Sealed: 3/13/2025

FL #17897



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\21-58FES

ES-8000T (JUMBO) ALUM WINDOW WALL SYS. (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	by	description

date: 07-29-21

scale: 3/8"=1'-0"

dr. by: TARIQ

chk. by:

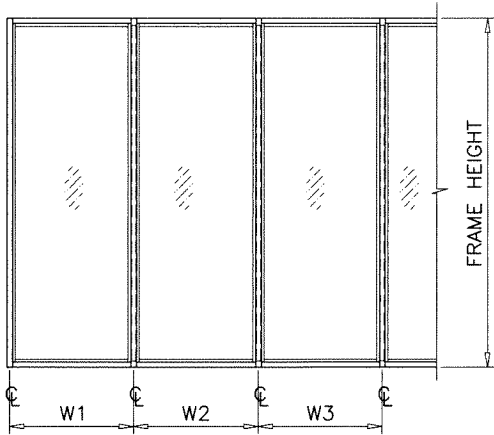
drawing no.

21-58F

sheet 3 of 18

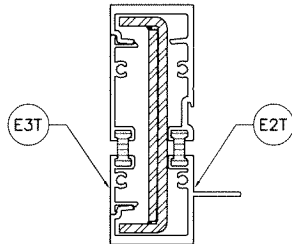
DESIGN LOAD CAPACITY - PSF JAMB/MULLION WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'J1'		MULLION 'M1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
72"	108"	70.0	70.0	70.0	70.0
84"		70.0	70.0	70.0	70.0
96"		70.0	70.0	70.0	70.0
108"		70.0	70.0	70.0	70.0
72"	120"	70.0	70.0	70.0	70.0
84"		70.0	70.0	70.0	70.0
96"		70.0	70.0	70.0	70.0
108"		70.0	70.0	70.0	70.0
72"	132"	70.0	70.0	70.0	70.0
84"		70.0	70.0	70.0	70.0
96"		70.0	70.0	70.0	70.0
102"		70.0	70.0	70.0	70.0
72"	135-3/4"	70.0	70.0	70.0	70.0
84"		70.0	70.0	70.0	70.0
96"		70.0	70.0	70.0	70.0
101-1/8"		70.0	70.0	70.0	70.0

INTERPOLATION BETWEEN WIDTHS ALLOWED.

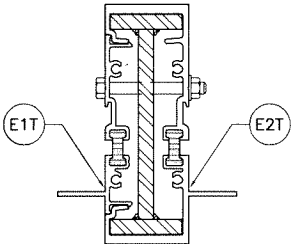


WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



JAMB 'J1'



MULLION 'M1'

	Ix IN^4	Sx IN^3
ALUMINUM	6.7077	2.6264
STEEL	3.7533	1.6681
TOTAL Ix ALUM + Ix STL X 2.9	17.4845	

	Ix IN^4	Sx IN^3
ALUMINUM	6.8787	2.6933
STEEL	5.8308	2.5559
TOTAL Ix ALUM + Ix STL X 2.9	23.6206	

MULLIONS



Sealed: 3/13/2025

FL #17897

af c
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)

ES-8000T (JUMBO) ALUM WINDOW WALL SYS. (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	by	description

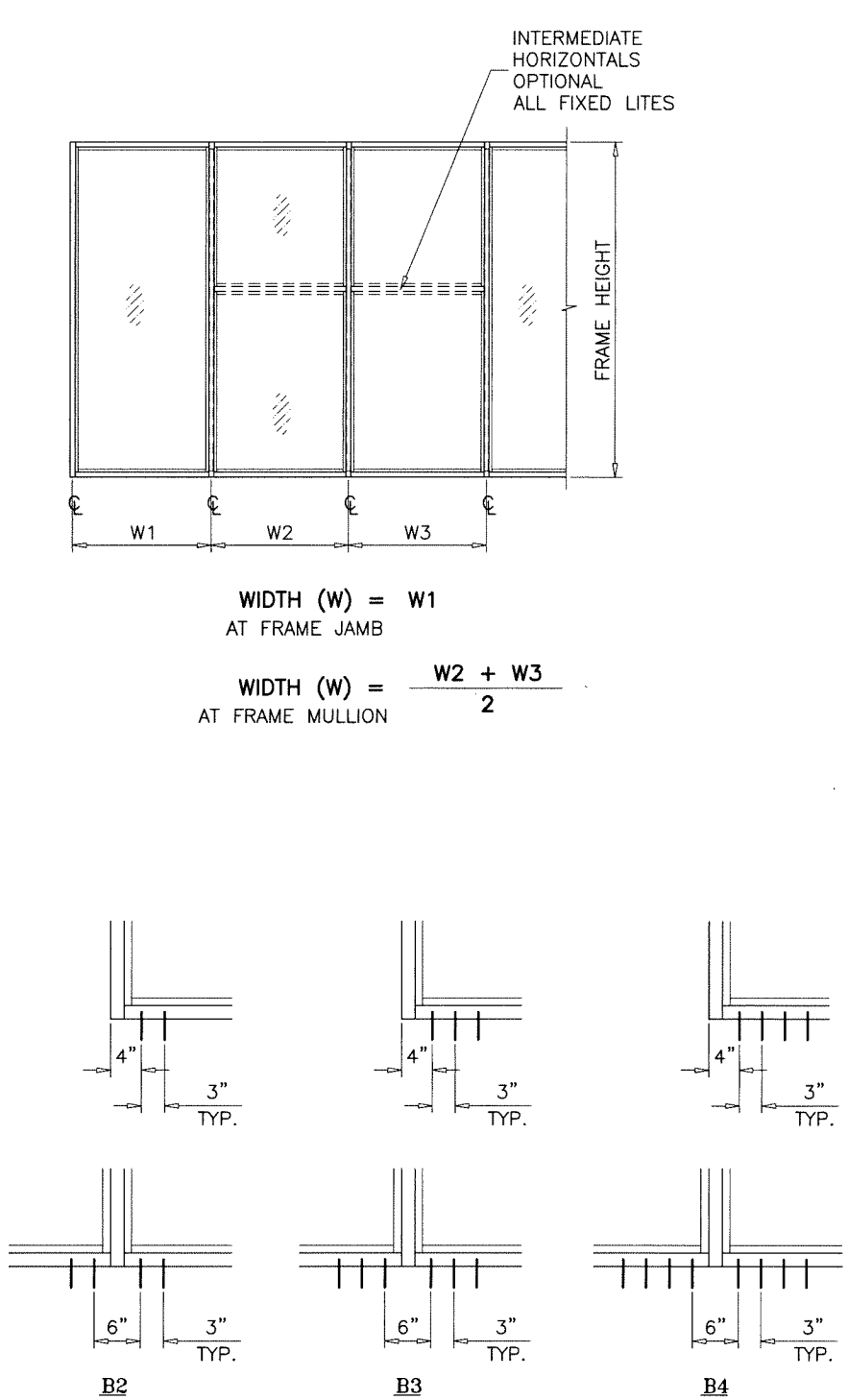
date: 07-29-21	scale: -	dr. by: TARIQ	chk. by:
----------------	----------	---------------	----------

drawing no.	21-58F
sheet	4 of 18

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)									
NOMINAL DIMS. WIDTH (W) FRAME HEIGHT		ANCHORS TYPE 'B'							
		1/4" MAX. SHIM			3/8" MAX. SHIM			1/2" SHIM	
WIDTH (W)	FRAME HEIGHT	B2	B3	B4	B2	B3	B4	B3	B4
36"	90"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
72"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
78"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
84"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
90"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
96"	96"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
102"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
108"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
72"		70.0	70.0	70.0	69.6	70.0	70.0	70.0	70.0
78"		70.0	70.0	70.0	67.6	70.0	70.0	70.0	70.0
84"		70.0	70.0	70.0	66.3	70.0	70.0	70.0	70.0
90"		70.0	70.0	70.0	65.5	70.0	70.0	70.0	70.0
96"		70.0	70.0	70.0	65.3	70.0	70.0	70.0	70.0
102"		70.0	70.0	70.0	65.3	70.0	70.0	70.0	70.0
108"		70.0	70.0	70.0	65.3	70.0	70.0	70.0	70.0
36"	102"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	69.6	70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	66.0	70.0	70.0	70.0	70.0
72"		70.0	70.0	70.0	63.3	70.0	70.0	70.0	70.0
78"		70.0	70.0	70.0	61.2	70.0	70.0	70.0	70.0
84"		70.0	70.0	70.0	59.7	70.0	70.0	70.0	70.0
90"		70.0	70.0	70.0	58.6	70.0	70.0	69.4	70.0
96"	108"	70.0	70.0	70.0	58.0	70.0	70.0	68.7	70.0
102"		70.0	70.0	70.0	57.8	70.0	70.0	68.4	70.0
108"		70.0	70.0	70.0	57.8	70.0	70.0	68.4	70.0
36"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	68.7	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	64.2	70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	60.7	70.0	70.0	70.0	70.0
72"		70.0	70.0	70.0	58.0	70.0	70.0	68.7	70.0
78"		70.0	70.0	70.0	55.9	70.0	70.0	66.1	70.0
84"		70.0	70.0	70.0	54.2	70.0	70.0	64.2	70.0
90"		69.3	70.0	70.0	53.0	70.0	70.0	62.8	70.0
96"		68.2	70.0	70.0	52.2	70.0	70.0	61.8	70.0
102"		67.6	70.0	70.0	51.7	70.0	70.0	61.2	70.0
108"		67.4	70.0	70.0	51.6	70.0	70.0	61.0	70.0

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)									
NOMINAL DIMS. WIDTH (W) FRAME HEIGHT		ANCHORS TYPE 'B'							
		1/4" MAX. SHIM			3/8" MAX. SHIM			1/2" SHIM	
WIDTH (W)	FRAME HEIGHT	B2	B3	B4	B2	B3	B4	B3	B4
36"	114"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	69.6	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	64.0	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	59.7	70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	56.2	70.0	70.0	66.6	70.0
72"		69.9	70.0	70.0	53.5	70.0	70.0	63.4	70.0
78"		67.2	70.0	70.0	51.4	70.0	70.0	60.8	70.0
84"		65.0	70.0	70.0	49.7	70.0	70.0	58.9	70.0
90"		63.3	70.0	70.0	48.4	70.0	70.0	57.3	70.0
96"	120"	62.0	70.0	70.0	47.5	70.0	70.0	56.2	70.0
102"		61.1	70.0	70.0	46.8	70.0	70.0	55.4	70.0
108"		60.6	70.0	70.0	46.4	69.6	70.0	54.9	70.0
36"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	65.3	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	59.9	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	55.7	70.0	70.0	65.9	70.0
66"		68.4	70.0	70.0	52.4	70.0	70.0	62.0	70.0
72"		65.0	70.0	70.0	49.7	70.0	70.0	58.9	70.0
78"		62.2	70.0	70.0	47.6	70.0	70.0	56.3	70.0
84"		60.0	70.0	70.0	45.9	68.8	70.0	54.3	70.0
90"		58.2	70.0	70.0	44.5	66.8	70.0	52.7	70.0
96"		–	70.0	70.0	–	65.3	70.0	51.5	68.7
102"		–	70.0	70.0	–	64.1	70.0	50.6	67.4
108"		–	70.0	70.0	–	63.3	70.0	49.9	66.6
36"	132"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	64.5	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	58.0	70.0	70.0	68.7	70.0
54"		69.3	70.0	70.0	53.0	70.0	70.0	62.8	70.0
60"		64.2	70.0	70.0	49.1	70.0	70.0	58.2	70.0
66"		60.1	70.0	70.0	46.0	69.0	70.0	54.5	70.0
72"		–	70.0	70.0	–	65.3	70.0	51.5	68.7
78"		–	70.0	70.0	–	62.2	70.0	49.1	65.4
84"		–	70.0	70.0	–	59.7	70.0	47.1	62.8
90"		–	70.0	70.0	–	57.6	70.0	45.5	60.6
96"	135–3/4"	–	70.0	70.0	–	55.9	70.0	44.1	58.9
102"		–	70.0	70.0	–	54.6	70.0	43.1	57.4
36"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	62.4	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	56.1	70.0	70.0	66.4	70.0
54"		66.9	70.0	70.0	51.2	70.0	70.0	60.6	70.0
60"		61.9	70.0	70.0	47.4	70.0	70.0	56.1	70.0
66"		57.9	70.0	70.0	44.3	66.5	70.0	52.5	70.0
72"		–	70.0	70.0	–	62.8	70.0	49.6	66.1
78"		–	70.0	70.0	–	59.8	70.0	47.2	62.9
84"		–	70.0	70.0	–	57.3	70.0	45.2	60.3
90"		–	70.0	70.0	–	55.2	70.0	43.6	58.1
96"		–	69.9	70.0	–	53.5	70.0	42.3	56.3
101–1/8"		–	68.4	70.0	–	52.4	69.8	41.3	55.1

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



ANCHORS TYPES: SEE SHEET 13 FOR DESCRIPTION
B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
B4 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION

ANCHORS

Sealed: 3/13/2025

FL #17897



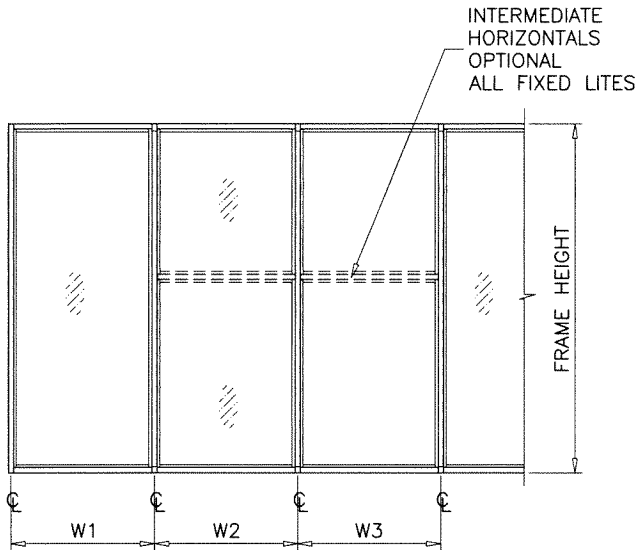
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\21-58FES

ES-8000T (JUMBO) ALUM WINDOW WALL SYS. (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:
no date by description
date: 07-29-21
scale: -
dr. by: TARIQ
chk. by:
drawing no.
21-58F
sheet 6 of 18

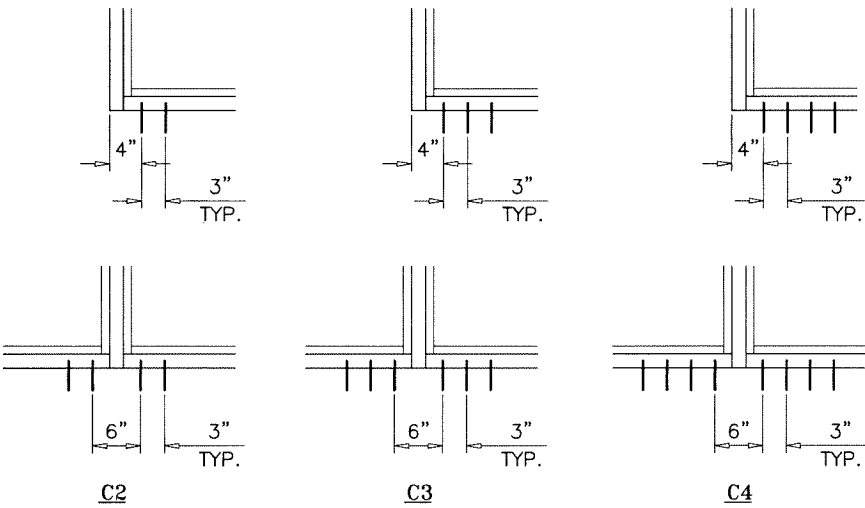
ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)									
NOMINAL DIMS.		ANCHORS TYPE 'C'							
		1/4" MAX. SHIM			3/8" MAX. SHIM			1/2" SHIM	
WIDTH (W)	FRAME HEIGHT	C2	C3	C4	C2	C3	C4	C3	C4
36"	84"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	69.6	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	66.1	70.0	70.0	70.0	70.0
36"	90"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	67.6	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	63.0	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	59.5	70.0	70.0	70.0	70.0
36"	96"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	68.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	62.0	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	57.5	70.0	70.0	68.2	70.0
60"		70.0	70.0	70.0	54.1	70.0	70.0	64.1	70.0
36"	102"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	63.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	57.2	70.0	70.0	67.8	70.0
54"		70.0	70.0	70.0	52.9	70.0	70.0	62.7	70.0
60"		70.0	70.0	70.0	49.6	70.0	70.0	58.8	70.0
36"	108"	70.0	70.0	70.0	66.1	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	58.6	70.0	70.0	69.5	70.0
48"		70.0	70.0	70.0	53.1	70.0	70.0	63.0	70.0
54"		70.0	70.0	70.0	49.0	70.0	70.0	58.1	70.0
60"		70.0	70.0	70.0	45.8	68.7	70.0	54.3	70.0
36"	114"	70.0	70.0	70.0	62.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	54.9	70.0	70.0	65.0	70.0
48"		70.0	70.0	70.0	49.6	70.0	70.0	58.8	70.0
54"		70.0	70.0	70.0	45.6	68.4	70.0	54.1	70.0
60"		70.0	70.0	70.0	42.5	63.8	70.0	50.4	67.2
36"	120"	70.0	70.0	70.0	58.4	70.0	70.0	69.2	70.0
42"		70.0	70.0	70.0	51.5	70.0	70.0	61.1	70.0
48"		70.0	70.0	70.0	46.5	69.8	70.0	55.1	70.0
54"		70.0	70.0	70.0	42.7	64.0	70.0	50.6	67.4
60"		70.0	70.0	70.0	39.7	59.5	70.0	47.0	62.7

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



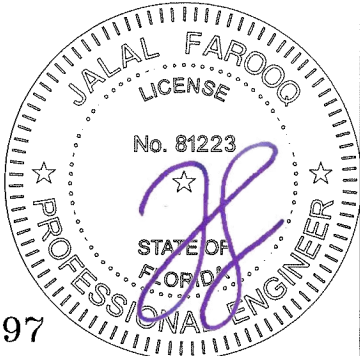
ANCHORS TYPES: SEE SHEET 13 FOR DESCRIPTION

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

ANCHORS

Sealed: 3/13/2025

FL #17897



af c

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)

ES-8000T (JUMBO) ALUM WINDOW WALL SYS. (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

no	date	by	description

date: 07-29-21

scale: -

dr. by: TARIQ

chk. by:

drawing no.

21-58F

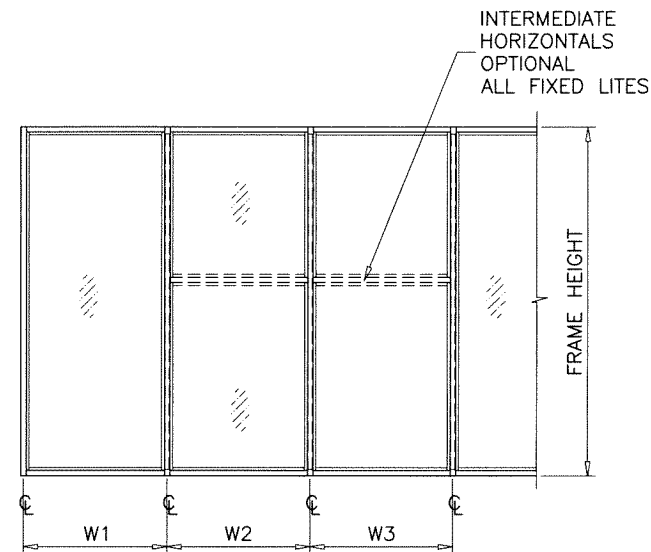
sheet 7 of 18

COMP-ANL\21-58FES

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)									
NOMINAL DIMS.		ANCHORS TYPE 'D'							
		1/4" MAX. SHIM			3/8" MAX. SHIM			1/2" SHIM	
WIDTH (W)	FRAME HEIGHT	D2	D3	D4	D2	D3	D4	D3	D4
36"	90"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
72"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
78"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
84"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
90"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
96"	96"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
102"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
108"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36"	102"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
72"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
78"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
84"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
90"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
96"	108"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
102"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
108"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36"	108"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
72"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
78"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
84"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
90"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0

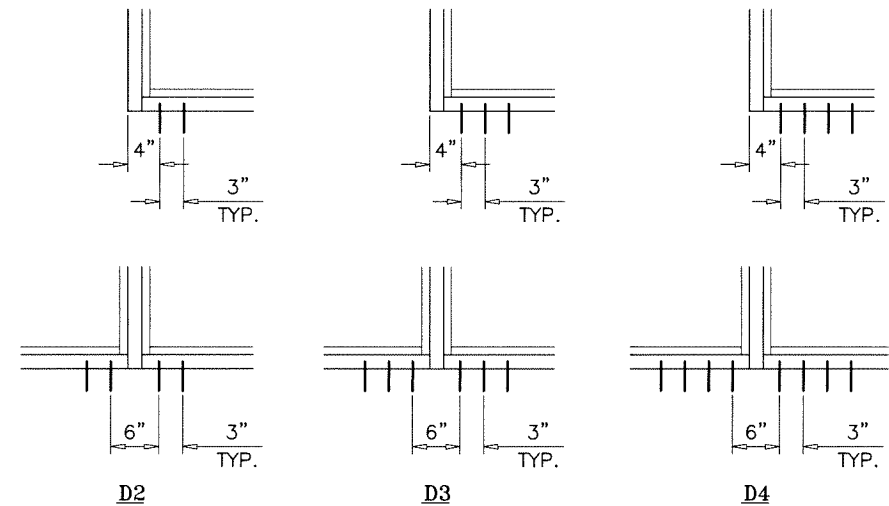
ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)									
NOMINAL DIMS.		ANCHORS TYPE 'D'							
		1/4" MAX. SHIM			3/8" MAX. SHIM			1/2" SHIM	
WIDTH (W)	FRAME HEIGHT	D2	D3	D4	D2	D3	D4	D3	D4
36"	114"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
72"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
78"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
84"		70.0	70.0	70.0	69.3	70.0	70.0	70.0	70.0
90"		70.0	70.0	70.0	67.5	70.0	70.0	70.0	70.0
96"	120"	70.0	70.0	70.0	66.2	70.0	70.0	70.0	70.0
102"		70.0	70.0	70.0	65.3	70.0	70.0	70.0	70.0
108"		70.0	70.0	70.0	64.7	70.0	70.0	70.0	70.0
36"	120"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
72"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
78"		70.0	70.0	70.0	66.4	70.0	70.0	70.0	70.0
84"		70.0	70.0	70.0	64.0	70.0	70.0	70.0	70.0
90"		70.0	70.0	70.0	62.1	70.0	70.0	70.0	70.0
96"	132"	-	70.0	70.0	-	70.0	70.0	70.0	70.0
102"		-	70.0	70.0	-	70.0	70.0	70.0	70.0
108"		-	70.0	70.0	-	70.0	70.0	70.0	70.0
36"	132"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	68.5	70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	64.2	70.0	70.0	70.0	70.0
72"		-	70.0	70.0	-	70.0	70.0	70.0	70.0
78"		-	70.0	70.0	-	70.0	70.0	68.8	70.0
84"		-	70.0	70.0	-	70.0	70.0	66.1	70.0
90"		-	70.0	70.0	-	70.0	70.0	63.8	70.0
96"	135-3/4"	-	70.0	70.0	-	70.0	70.0	61.9	70.0
102"		-	70.0	70.0	-	70.0	70.0	60.4	70.0
36"	135-3/4"	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54"		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60"		70.0	70.0	70.0	66.1	70.0	70.0	70.0	70.0
66"		70.0	70.0	70.0	61.8	70.0	70.0	70.0	70.0
72"		-	70.0	70.0	-	70.0	70.0	69.5	70.0
78"		-	70.0	70.0	-	70.0	70.0	66.2	70.0
84"		-	70.0	70.0	-	70.0	70.0	63.4	70.0
90"		-	70.0	70.0	-	70.0	70.0	61.1	70.0
96"	101-1/8"	-	70.0	70.0	-	70.0	70.0	59.3	70.0
102"		-	70.0	70.0	-	70.0	70.0	58.0	70.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



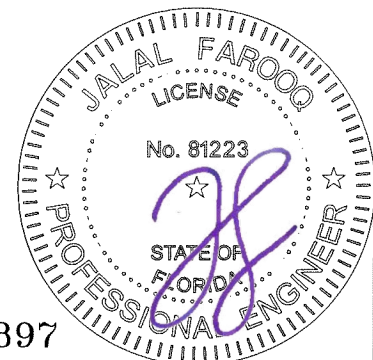
ANCHORS TYPES: SEE SHEET 13 FOR DESCRIPTION

D2 = (2) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB AND MULLION
D3 = (3) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB AND MULLION
D4 = (4) ANCHORS TYPE 'D' AT EACH SIDE OF JAMB AND MULLION

Sealed: 3/13/2025

ANCHORS

FL #17897



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)

ES-8000T (JUMBO) ALUM WINDOW WALL SYS. (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

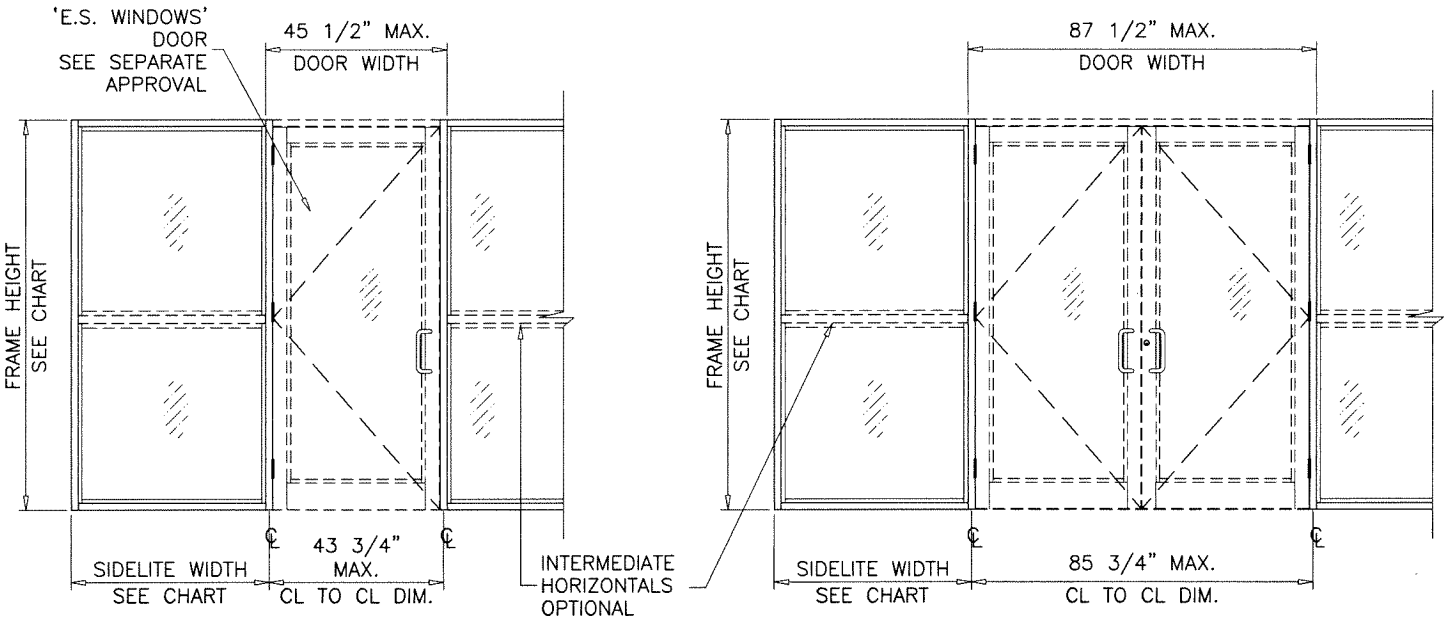
revisions:	no	date	by	description

date: 07-29-21
scale: -
dr. by: TARIQ
chk. by:

drawing no.
21-58F
sheet 8 of 18

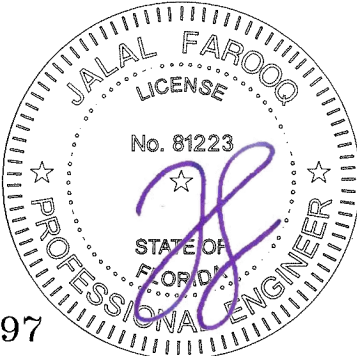
DOOR MULLION LOAD CAPACITY-PSF											
SIDELITE WIDTH INCHES	FRAME HEIGHT INCHES	MULL 'MD1'		MULL 'MD2'		MULL 'MD3'		MULL 'MD4'		MULL 'MD5'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
32	86-1/2	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
32	98-1/2	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
32	110-1/2	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
32	120	-	-	-	-	-	-	-	-	70.0	70.0
36		-	-	-	-	-	-	-	-	70.0	70.0
42		-	-	-	-	-	-	-	-	70.0	70.0
48		-	-	-	-	-	-	-	-	70.0	70.0
54		-	-	-	-	-	-	-	-	70.0	70.0
60		-	-	-	-	-	-	-	-	70.0	70.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



MULLION 'MD1'		MULLION 'MD2'		MULLION 'MD3'		MULLION 'MD4'	
Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3
6.7517	2.6954	10.8394	4.4985	ALUMINUM 6.7517 2.6954	STEEL 2.7506 1.2225	ALUMINUM 6.7517 2.6954	STEEL 3.7533 1.6681
TOTAL Ix ALUM + Ix STL X 2.9 14.6495						TOTAL Ix ALUM + Ix STL X 2.9 17.5285	

DOOR-WINDOWALL
TRANSITION MULLION



Sealed: 3/13/2025

FL #17897

af c

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

ES-8000T (JUMBO) ALUM WINDOW WALL SYS. (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

no	date	by	description

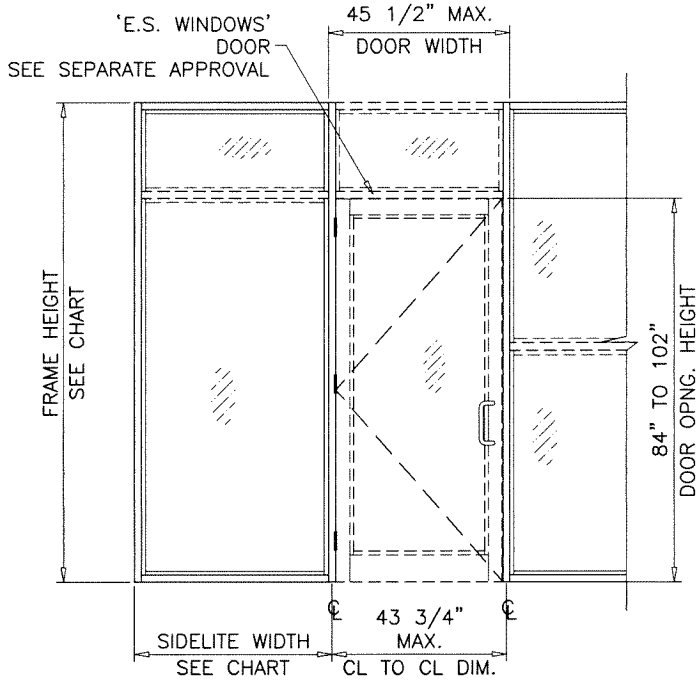
date: 07-29-21
scale: -
dr. by: TARIQ
chk. by:

drawing no.
21-58F

sheet 9 of 18

DOOR MULLION LOAD CAPACITY-PSF											
SIDELITE WIDTH INCHES	FRAME HEIGHT INCHES	MULL 'MD1'		MULL 'MD2'		MULL 'MD3'		MULL 'MD4'		MULL 'MD5'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
32	98-1/2	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
54		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
32	110-1/2	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48		66.1	66.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
32	114	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36		69.1	69.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42		64.3	64.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48		60.2	60.2	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
32	120	62.3	62.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
36		59.2	59.2	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
42		55.2	55.2	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
48		51.6	51.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



MULLION 'MD1'		MULLION 'MD2'		MULLION 'MD3'		MULLION 'MD4'	
Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3
6.7517	2.6954	10.8394	4.4985	6.7517	2.6954	6.7517	2.6954
ALUMINUM		ALUMINUM		ALUMINUM		ALUMINUM	
STEEL		STEEL		STEEL		STEEL	
TOTAL		TOTAL		TOTAL		TOTAL	
Ix ALUM + Ix STL X 2.9		Ix ALUM + Ix STL X 2.9		Ix ALUM + Ix STL X 2.9		Ix ALUM + Ix STL X 2.9	
14.6495		14.6495		14.6495		17.5285	

DOOR-WINDOWALL
TRANSITION MULLION



Sealed: 3/13/2025

FL #17897

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)

ES-8000T (JUMBO) ALUM WINDOW WALL SYS. (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:
no date by description

date: 07-29-21
scale: -
dr. by: TARIQ
chk. by:

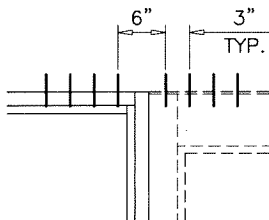
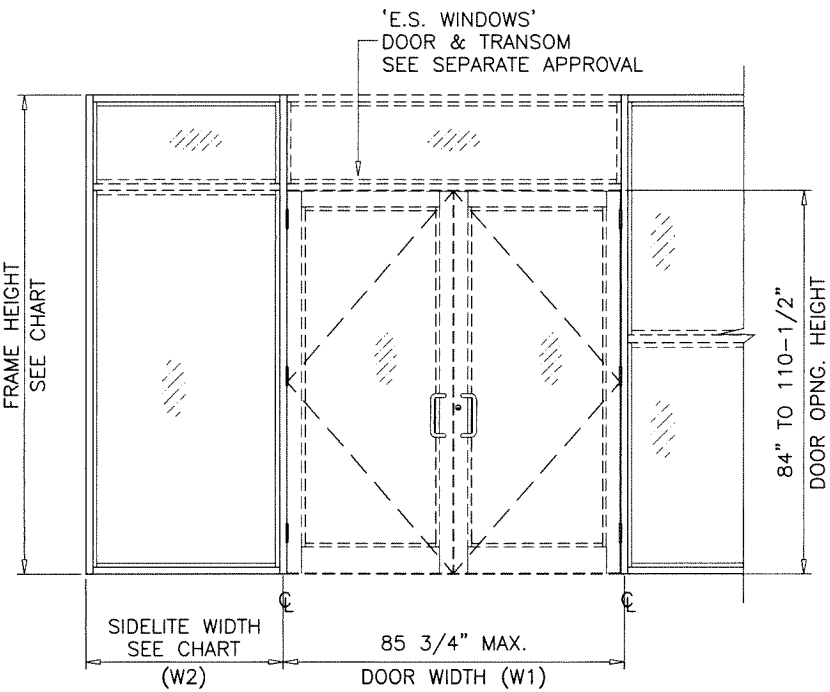
drawing no.
21-58F
sheet 10 of 18

a f c

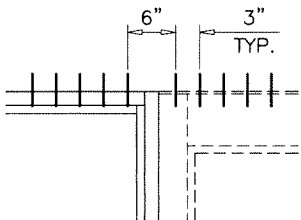
DOOR MULLION HEAD ANCHOR LOAD CAPACITY – PSF					
NOMINAL DIMS.				'B4'/'C4'	'B5'/'C5'
WIDTH (W1) INCHES	WIDTH (W2) INCHES	FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	EXT.(+) INT.(–)	EXT.(+) INT.(–)
85–3/4	30	96	84	70.0	70.0
	36			70.0	70.0
	42			70.0	70.0
	48			70.0	70.0
	54			70.0	70.0
	60			70.0	70.0
	30	102		70.0	70.0
	36			70.0	70.0
	42			70.0	70.0
	48			70.0	70.0
	54			70.0	70.0
	30	108		70.0	70.0
	36			70.0	70.0
	42			70.0	70.0
	48			70.0	70.0
	30	114		70.0	70.0
	36			70.0	70.0
	42			70.0	70.0
	48			68.0	70.0
	30	120		70.0	70.0
	36			70.0	70.0
	42			68.9	70.0
	48			65.4	70.0
	85–3/4	30		102	90
36		70.0	70.0		
42		70.0	70.0		
48		70.0	70.0		
54		69.1	70.0		
30		108	70.0	70.0	
36			70.0	70.0	
42			70.0	70.0	
48			69.4	70.0	
30		114	70.0	70.0	
36			70.0	70.0	
42			70.0	70.0	
48			66.8	70.0	
30		120	70.0	70.0	
36			70.0	70.0	
42			67.6	70.0	
48			64.3	70.0	

DOOR MULLION HEAD ANCHOR LOAD CAPACITY – PSF					
NOMINAL DIMS.				'B4'/'C4'	'B5'/'C5'
WIDTH (W1) INCHES	WIDTH (W2) INCHES	FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	EXT.(+) INT.(–)	EXT.(+) INT.(–)
85–3/4	30	108	96	70.0	70.0
	36			70.0	70.0
	42			70.0	70.0
	48			68.1	70.0
	30	114		70.0	70.0
	36			70.0	70.0
	42			68.8	70.0
	48			65.6	70.0
	30	120		70.0	70.0
	36			69.9	70.0
	42			66.4	70.0
	48			63.2	70.0
85–3/4	30	114	102	70.0	70.0
	36			70.0	70.0
	42			67.6	70.0
	48			64.4	70.0
	30	120		70.0	70.0
	36			68.6	70.0
	42			65.2	70.0
	48			62.1	70.0
85–3/4	30	120	110–1/2	70.0	70.0
	36			66.8	70.0
	42			63.6	70.0
	48			60.7	70.0

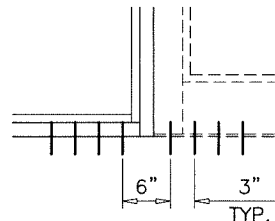
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



'B4', 'C4'



'B5', 'C5'



'B4' AT SILL ALL CASES

ANCHORS TYPES: SEE SHEET 8 FOR DESCRIPTION

B4 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF DOOR MULLION
B5 = (5) ANCHORS TYPE 'B' AT EACH SIDE OF DOOR MULLION

C4 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF DOOR MULLION
C5 = (5) ANCHORS TYPE 'C' AT EACH SIDE OF DOOR MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

SHIM SPACE FOR ANCHORS TYPE 'C' LIMITED TO 1/4" MAX.

TRANSITION MULLION ANCHORS

Sealed: 3/13/2025

FL #17897

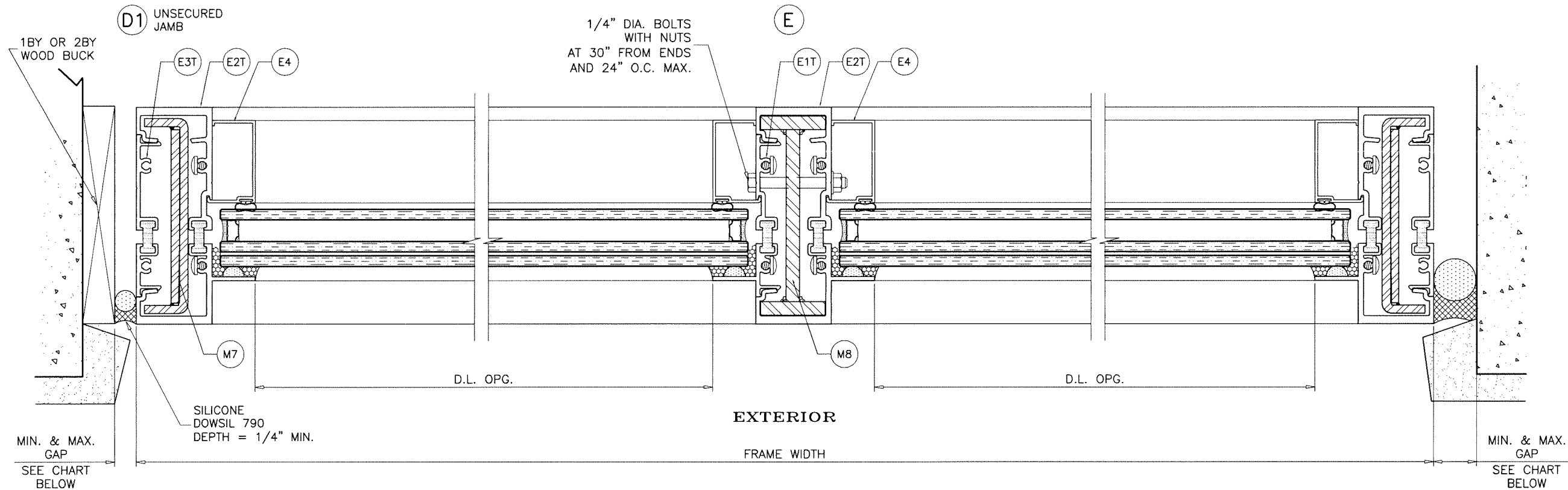
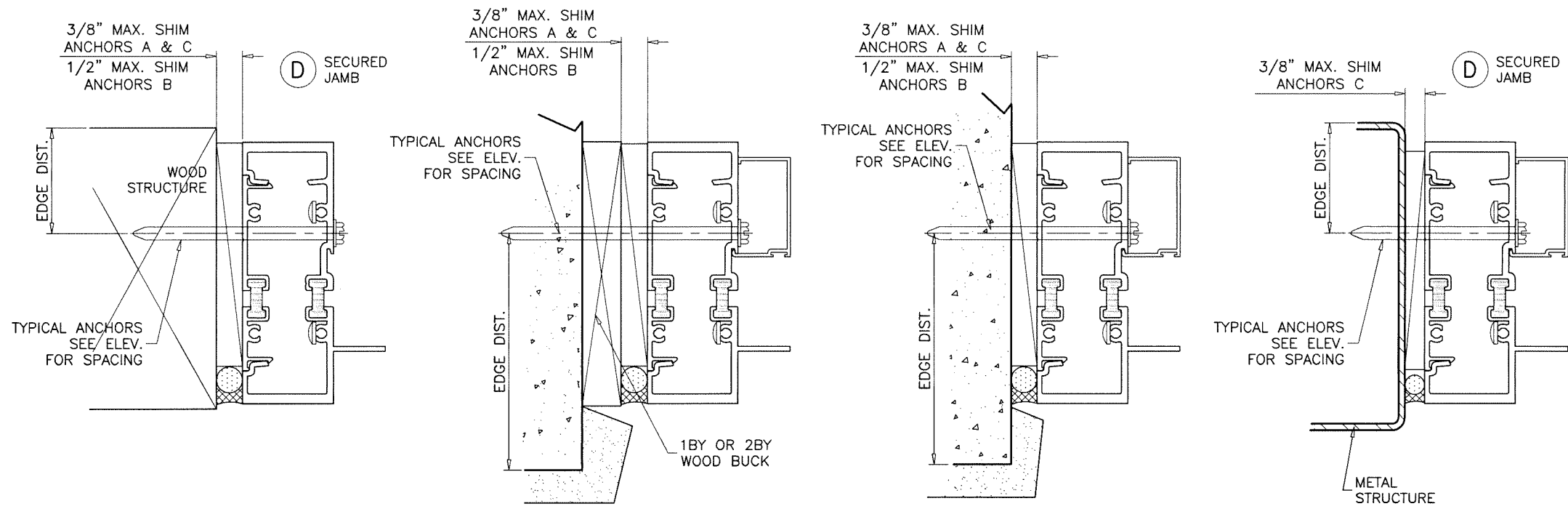


AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

ES-8000T (JUMBO) ALUM WINDOW WALL SYS. (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:		no		date		by		description	
date:		07-29-21							
scale:									
dr. by:		TARIQ							
chk. by:									
drawing no.									
21-58F									
sheet 12 of 18									

COMP-ANL\21-58FES



MAX. GAPS FOR UNANCHORED JAMBS		
MAX. FRAME HEIGHT	JAMB J1	
	MIN.	MAX.
96"	1/4"	1"
102"	1/4"	1"
108"	3/8"	1"
120"	3/8"	1"
132"	3/8"	1"
135-3/4"	3/8"	1"

NOTE:
 MAX. MOVEMENT CONSIDERED=100% STRETCH.
 PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOWALL MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.
 REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.

ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.

GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.

Sealed: 3/13/2025

FL #17897



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

af c

COMP-ANL\21-58FES

ES-8000T (JUMBO) ALUM WINDOW WALL SYS. (L.M.I.)

E.S. WINDOWS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151 FAX. (305) 638-5158

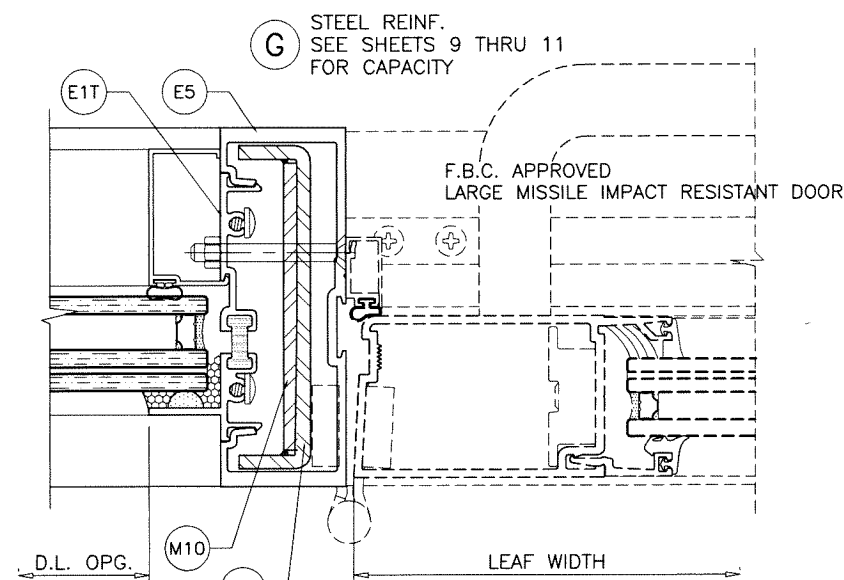
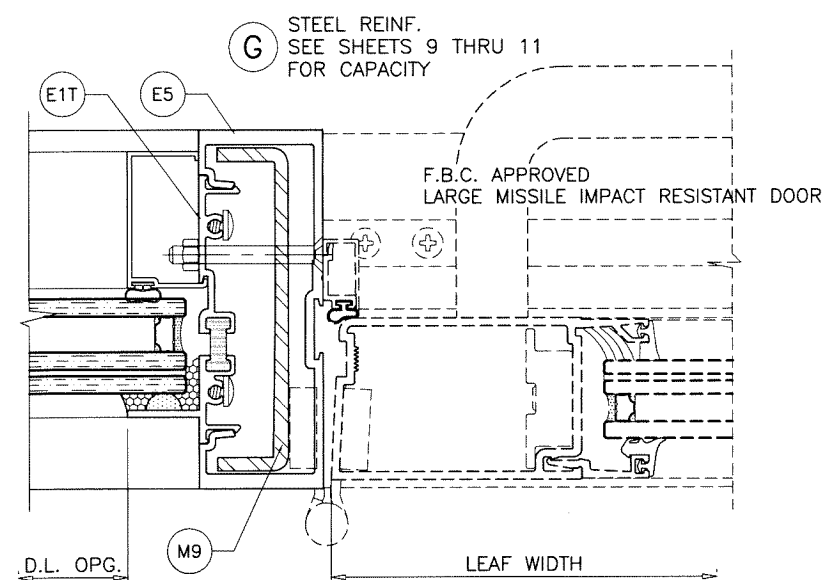
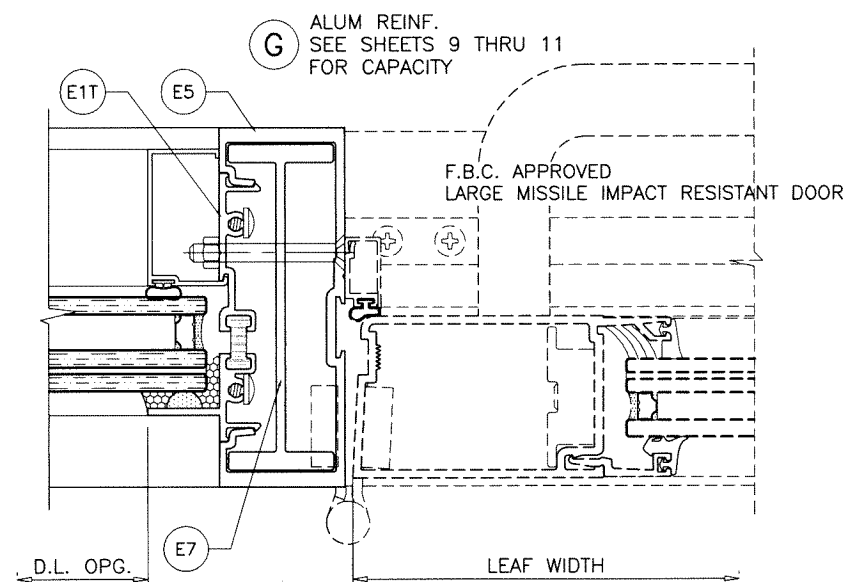
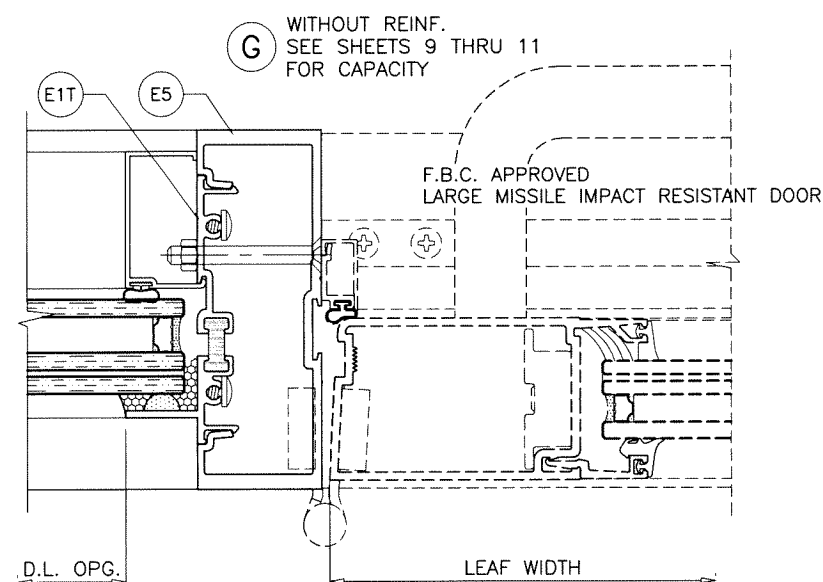
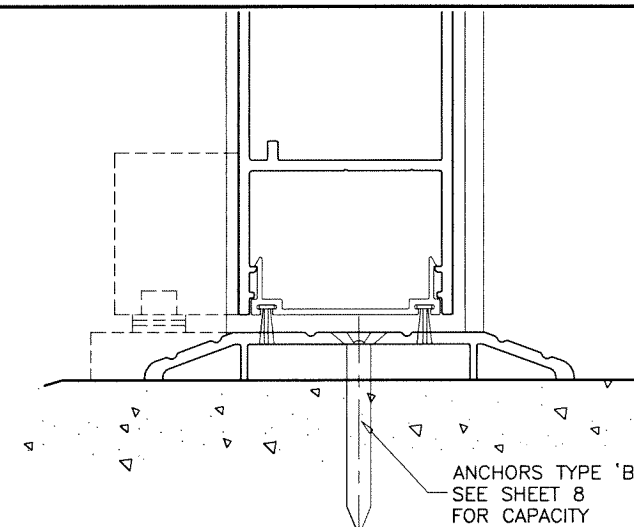
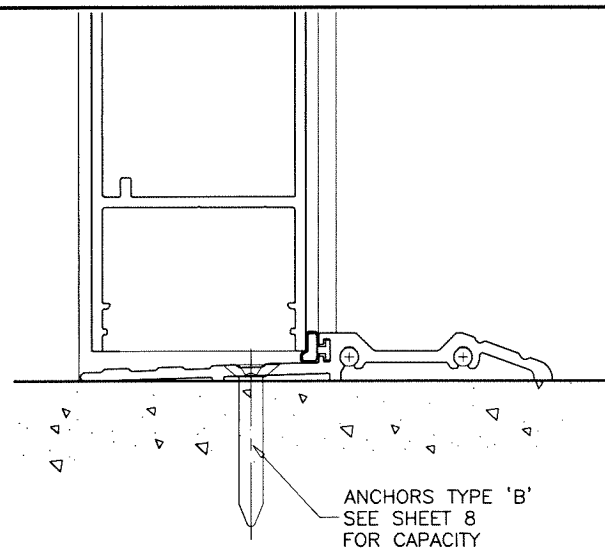
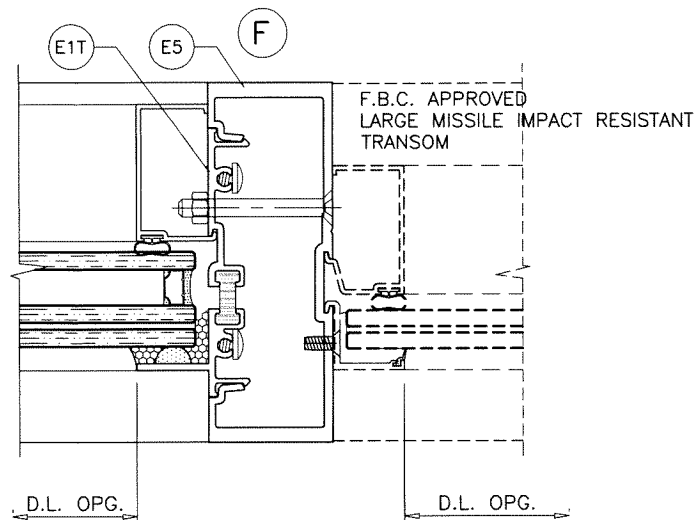
revisions:

no	date	by	description

date: 07-29-21
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
21-58F

sheet 14 of 18

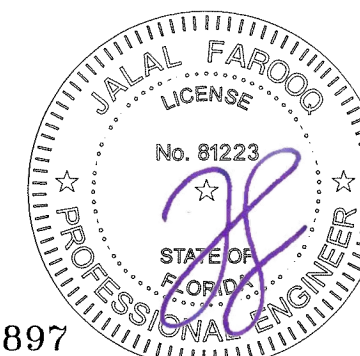


SEE SEPARATE APPROVAL FOR DESIGN LOAD CAPACITY OF DOORS AND DOOR ANCHORS.

LOWER VALUES FROM DOORS APPROVAL OR STOREFRONT SYSTEM CAPACITY CHARTS WILL APPLY TO ENTIRE SYSTEM.

Sealed: 3/13/2025

FL #17897



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

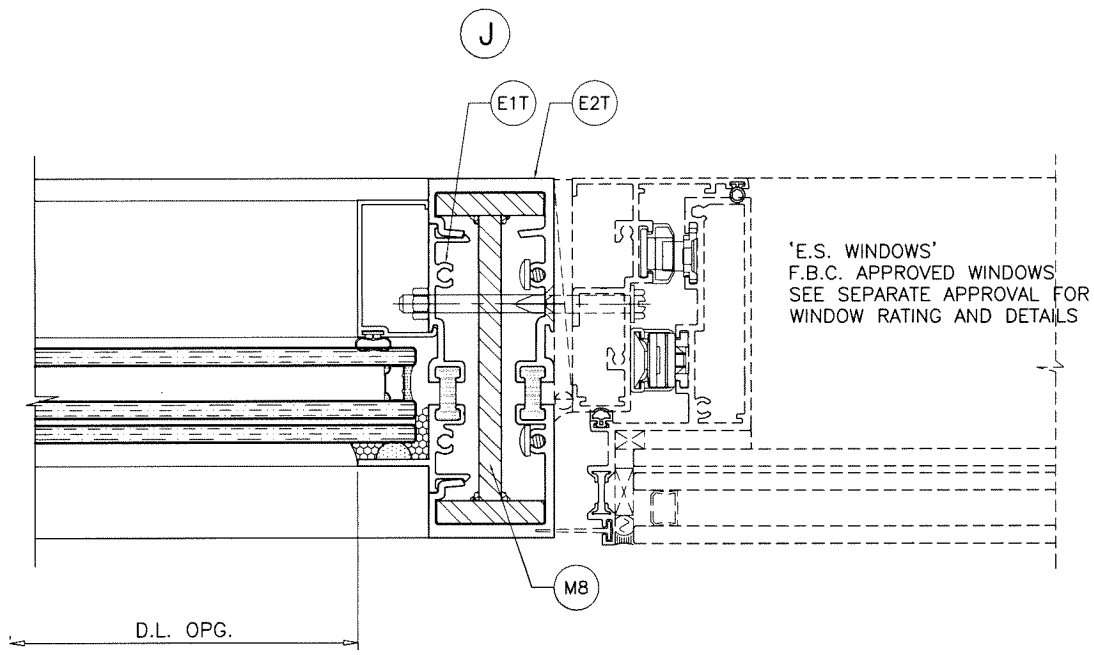
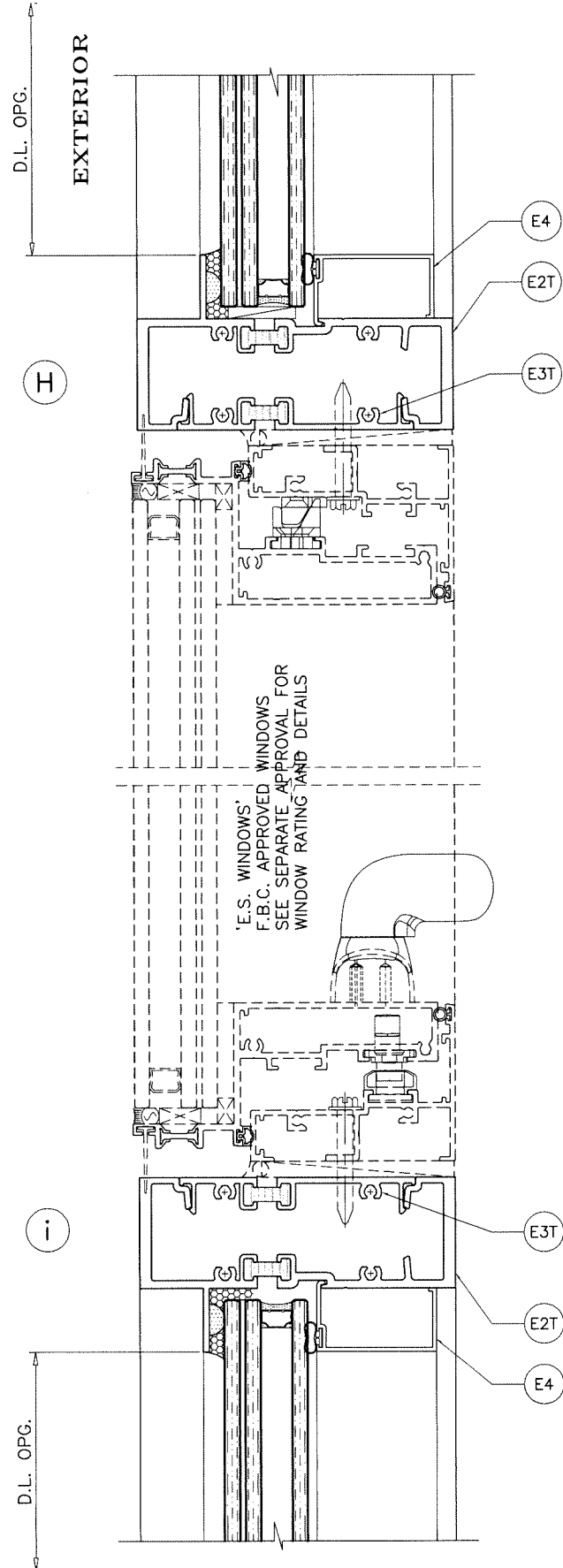
ES-8000T (JUMBO) ALUM WINDOW WALL SYS. (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	by	description

date:	07-29-21
scale:	3/8" = 1"
dr. by:	TARIQ
chk. by:	

drawing no.
21-58F
sheet 15 of 18



Sealed: 3/13/2025

FL #17897

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

af c

COMP-ANL\21-58FES

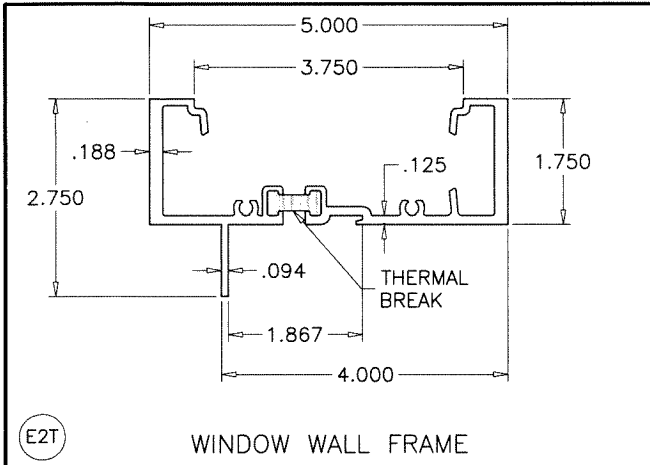
ES-8000T (JUMBO) ALUM WINDOW WALL SYS. (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

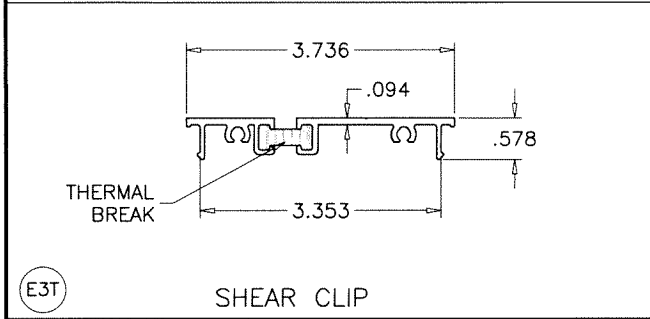
revisions:	
no	date by description

date: 07-29-21
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

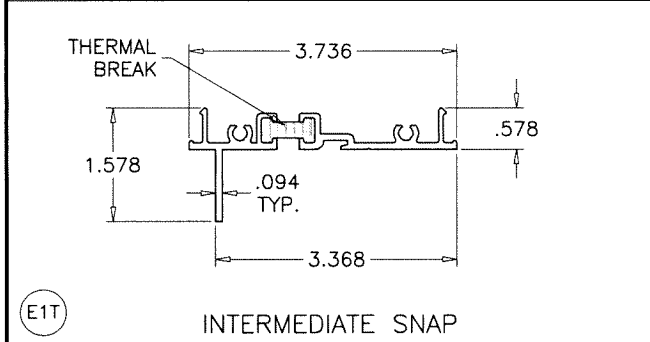
drawing no.
21-58F
sheet 16 of 18



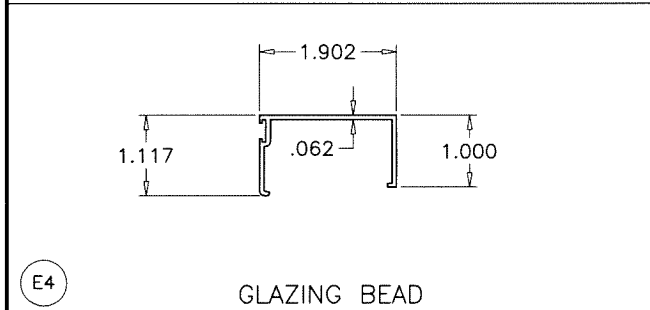
E2T WINDOW WALL FRAME



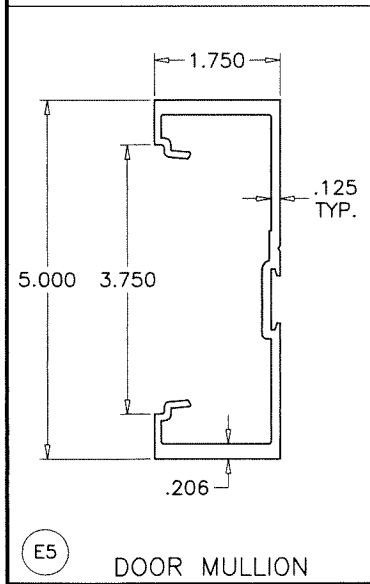
E3T SHEAR CLIP



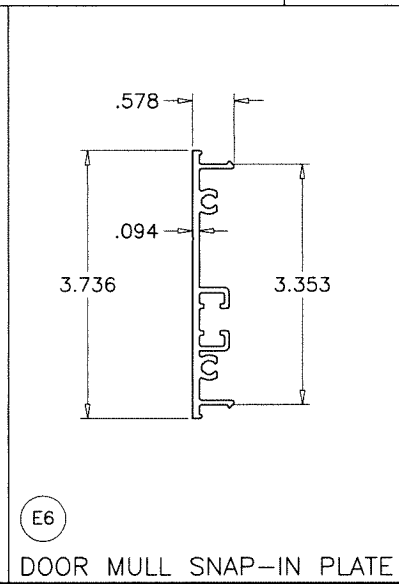
E1T INTERMEDIATE SNAP



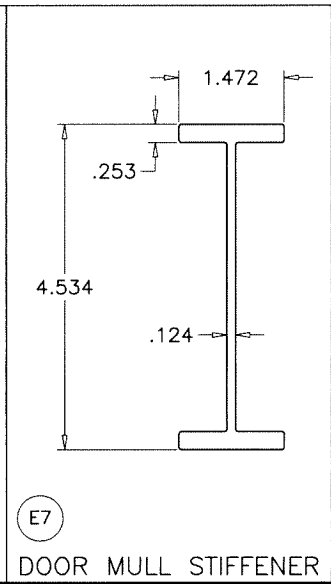
E4 GLAZING BEAD



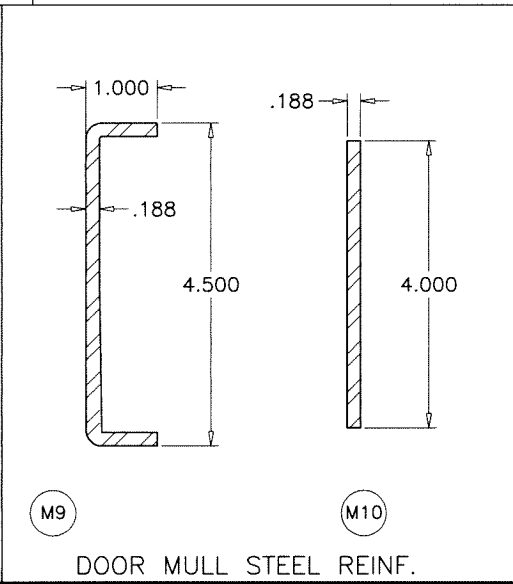
E5 DOOR MULLION



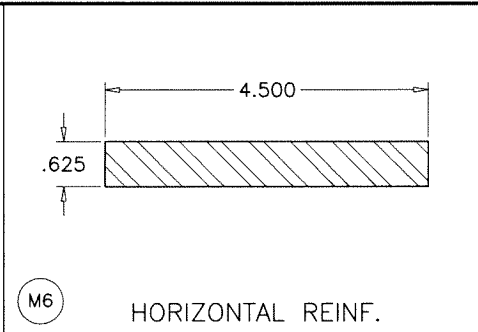
E6 DOOR MULL SNAP-IN PLATE



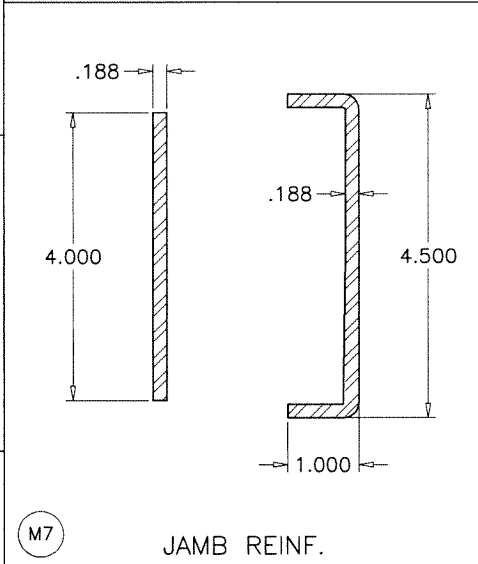
E7 DOOR MULL STIFFENER



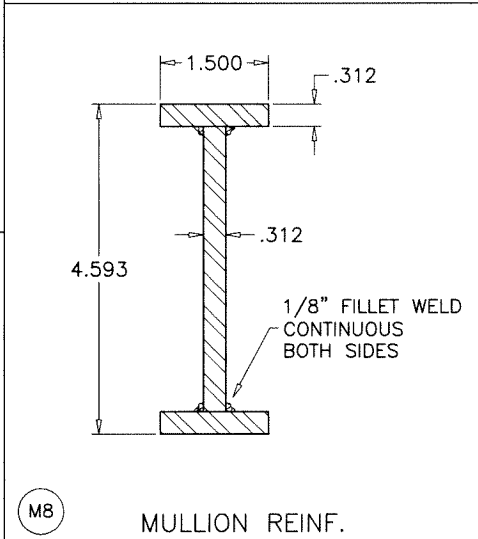
M9 DOOR MULL STEEL REINF.



M6 HORIZONTAL REINF.



M7 JAMB REINF.



M8 MULLION REINF.

ITEM #	PART #	REQ'D	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1T	ES-8000T-013T	AS REQD.	INTERMEDIATE SNAP	6005-T5	-
E2T	ES-8000T-008T	AS REQD.	WINDOW WALL FRAME	6063-T6	-
E3T	ES-8000T-003T	AS REQD.	SHEAR CLIP	6063-T6	-
E4	ES-8000T-005	AS REQD.	GLAZING BEAD	6005-T5	-
E5	-	AS REQD.	DOOR MULLION	6005-T5	-
E6	ES-8000T-003	AS REQD.	DOOR MULL SNAP-IN PLATE	6005-T5	-
E7	-	AS REQD.	DOOR MULLION STIFFENER	6005-T5	-
M1	#12 X 1-1/2"	AS REQD.	ASSEMBLY FASTENERS	ST. STEEL	PH SMS
M2	ES-8010A	AS REQD.	INTERIOR GLAZING GASKET	SILICONE	DUROMETER 70±3 SHORE A
M3	ES-8011A	AS REQD.	1/4" GLASS SPACER	SILICONE	DUROMETER 85±5 SHORE A
M4	ES-9550-B01A	2/ LITE	SETTING BLOCKS AT 1/4 POINTS	SILICONE	DUROMETER 80±5 SHORE A
M5	1/4" X 2-1/8"	AS REQD.	MULLION FASTENERS	ST. STEEL	BOLT WITH NUT
M6	-	AS REQD.	HORIZONTAL REINFORCING	STEEL	A36, Fu MIN. = 58 KSI
M7	-	AS REQD.	JAMB REINFORCING	STEEL	A36, Fu MIN. = 58 KSI
M8	-	AS REQD.	MULLION REINFORCING	STEEL	A36, Fu MIN. = 58 KSI
M9	-	AS REQD.	DOOR MULLION REINFORCING CHANNEL	STEEL	A36, Fu MIN. = 58 KSI
M10	-	AS REQD.	DOOR MULLION REINFORCING BAR	STEEL	A36, Fu MIN. = 58 KSI

THERMAL BREAK:
FRAME MEMBERS FILLED AND DEBRIDGED USING
'BAYDUR TB 100-30' MANUFACTURED BY
'BAYER MATERIALSCIENCE, LLC.

Sealed: 3/13/2025



ES-8000T (JUMBO) ALUM WINDOW WALL SYS. (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

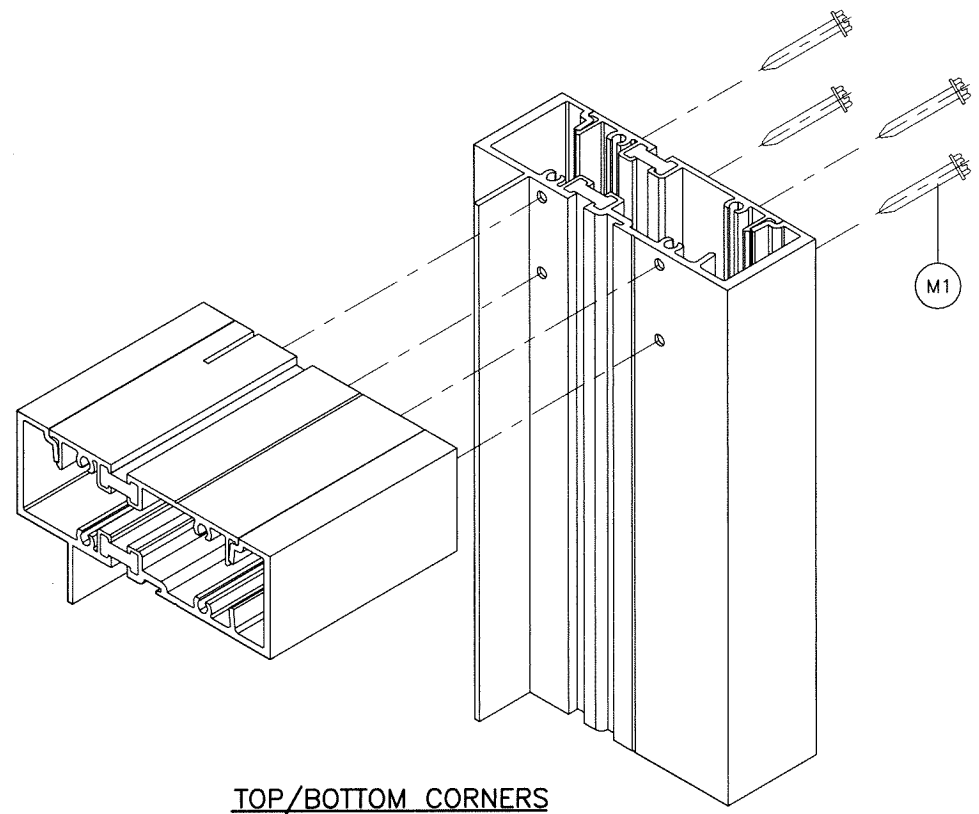
revisions:	no	date	by	description

date: 07-29-21	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
----------------	------------------	---------------	----------

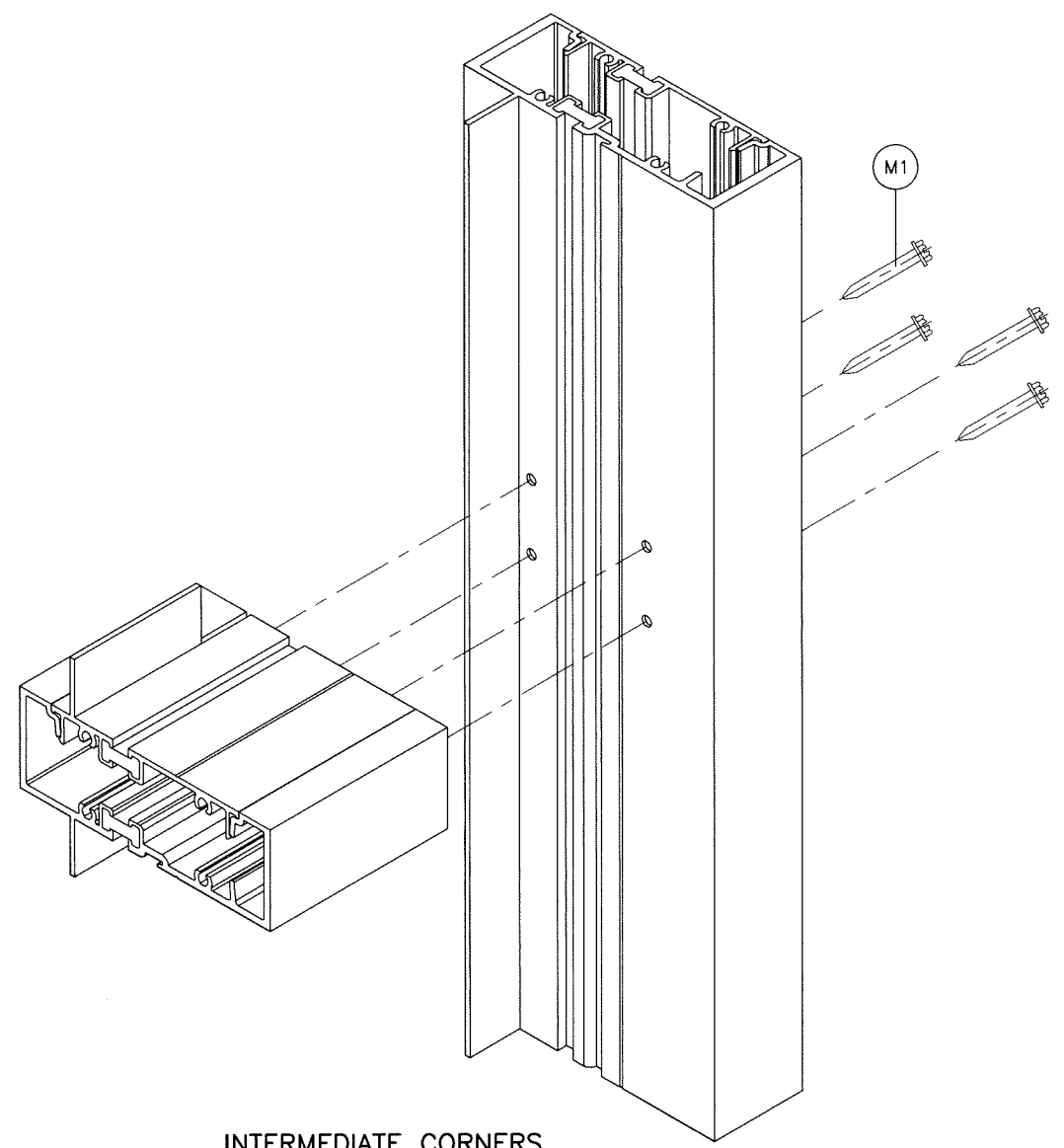
drawing no.
21-58F
sheet 17 of 18

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 262-6978
FAX. (305) 262-6978
(C.A.N. 3538)

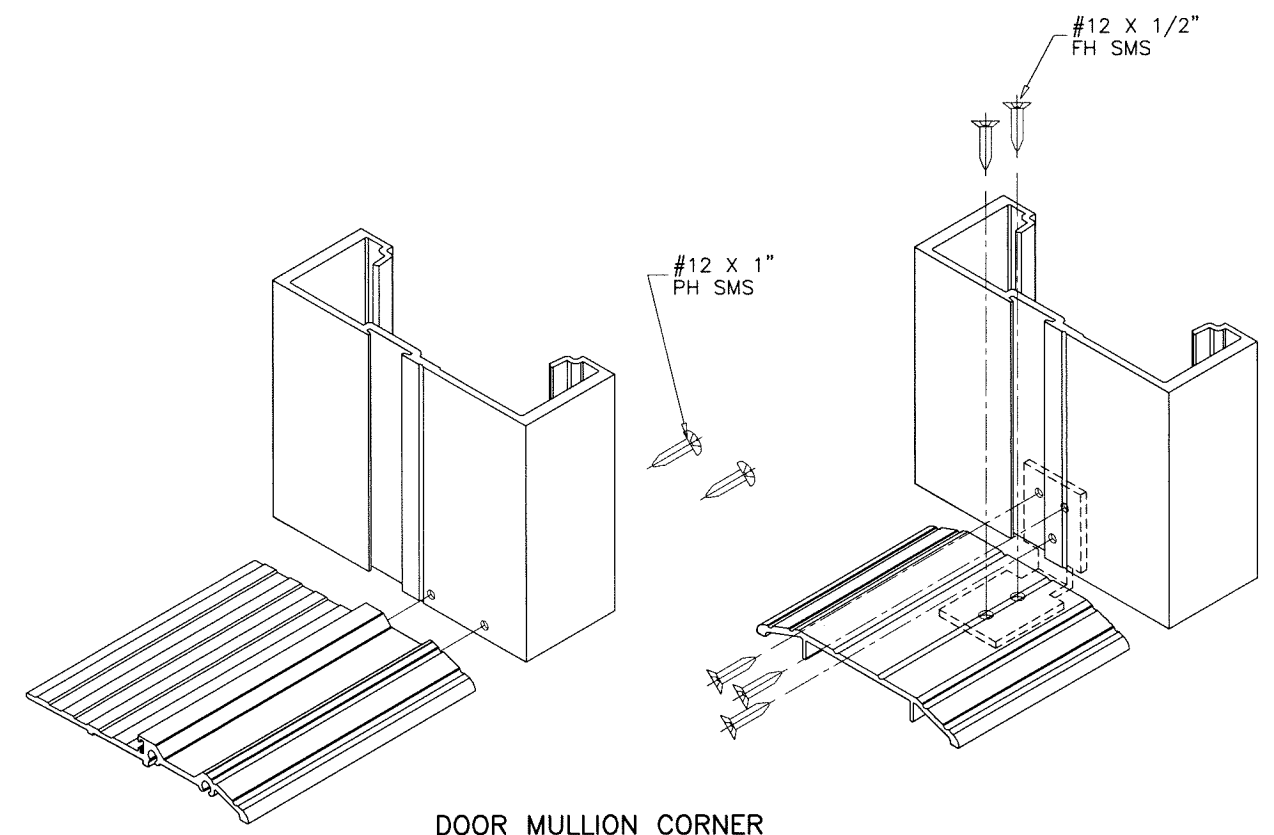
COMP-ANL\21-58FES



TOP/BOTTOM CORNERS



INTERMEDIATE CORNERS



DOOR MULLION CORNER

Sealed: 3/13/2025

FL #17897



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

af c
COMP-ANL\21-58FES

ES-8000T (JUMBO) ALUM WINDOW WALL SYS. (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	
no	date by description

date: 07-29-21
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
21-58F
sheet 18 of 18