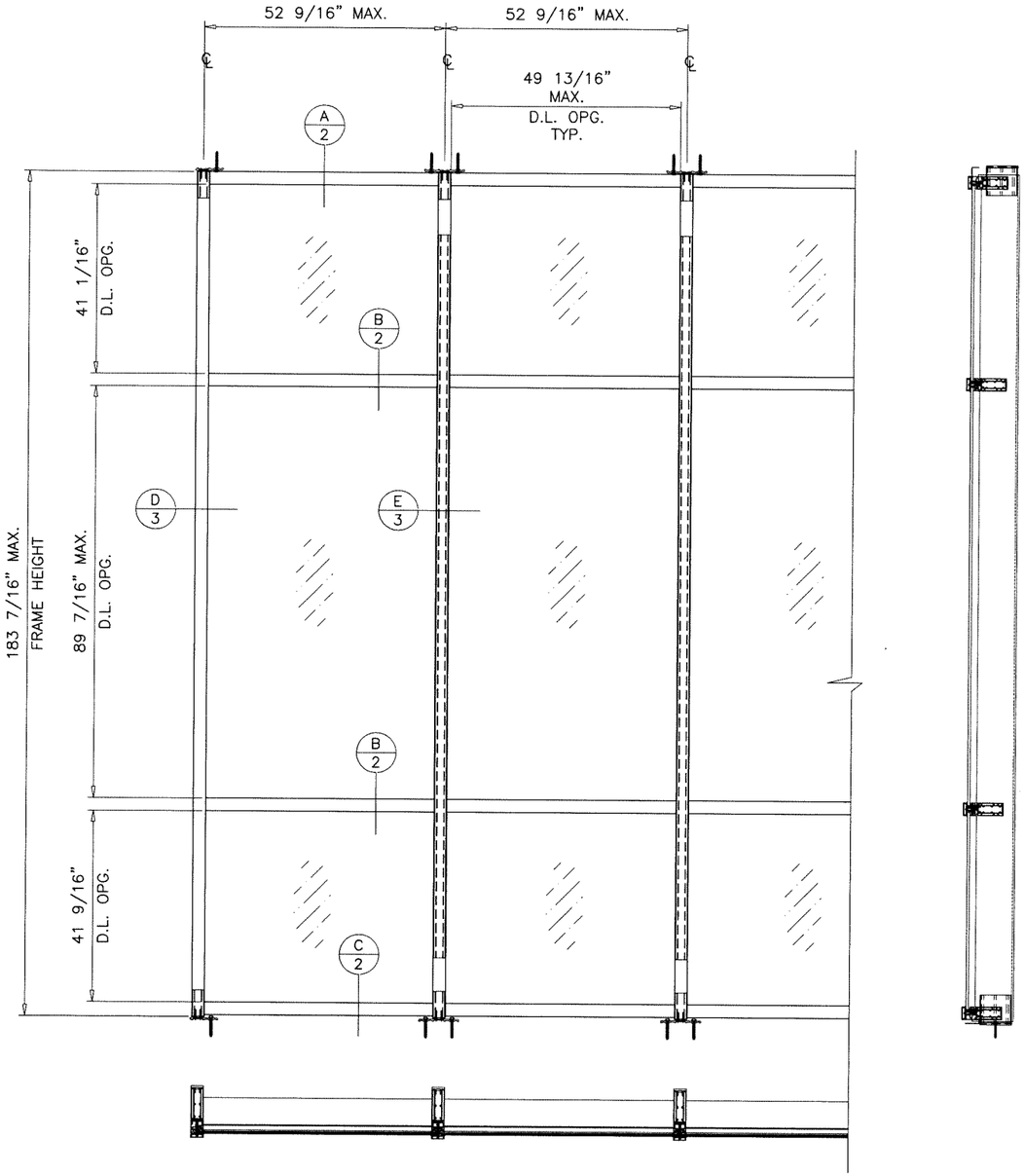
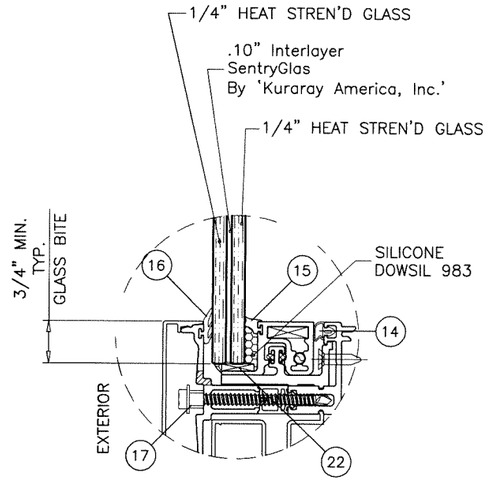


TYPICAL ELEVATION

MAXIMUM DESIGN LOAD RATING = + 80.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) − 110.0 PSF

NOTE:
GLASS CAPACITIES ARE BASED ON ASTM E1300−16 (3 SEC. GUSTS).



GLAZING DETAIL

THIS SYSTEM IS RATED FOR SMALL MISSILE IMPACT.
F.B.C. APPROVED IMPACT RESISTANT SHUTTERS
REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

SERIES 2000 STICK ALUMINUM CURTAIN WALL SYSTEM

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH EDITION)/2026 (9TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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.

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 2023/2026 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)'.

FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.

Sealed: 8/19/2026

FL #27401

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.

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

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\18−55F−MG

SERIES 2000 STICK ALUM. CURTAIN WALL SYS. (S.M.I.)

MR−GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764−3963 Fax. (305) 470−8285

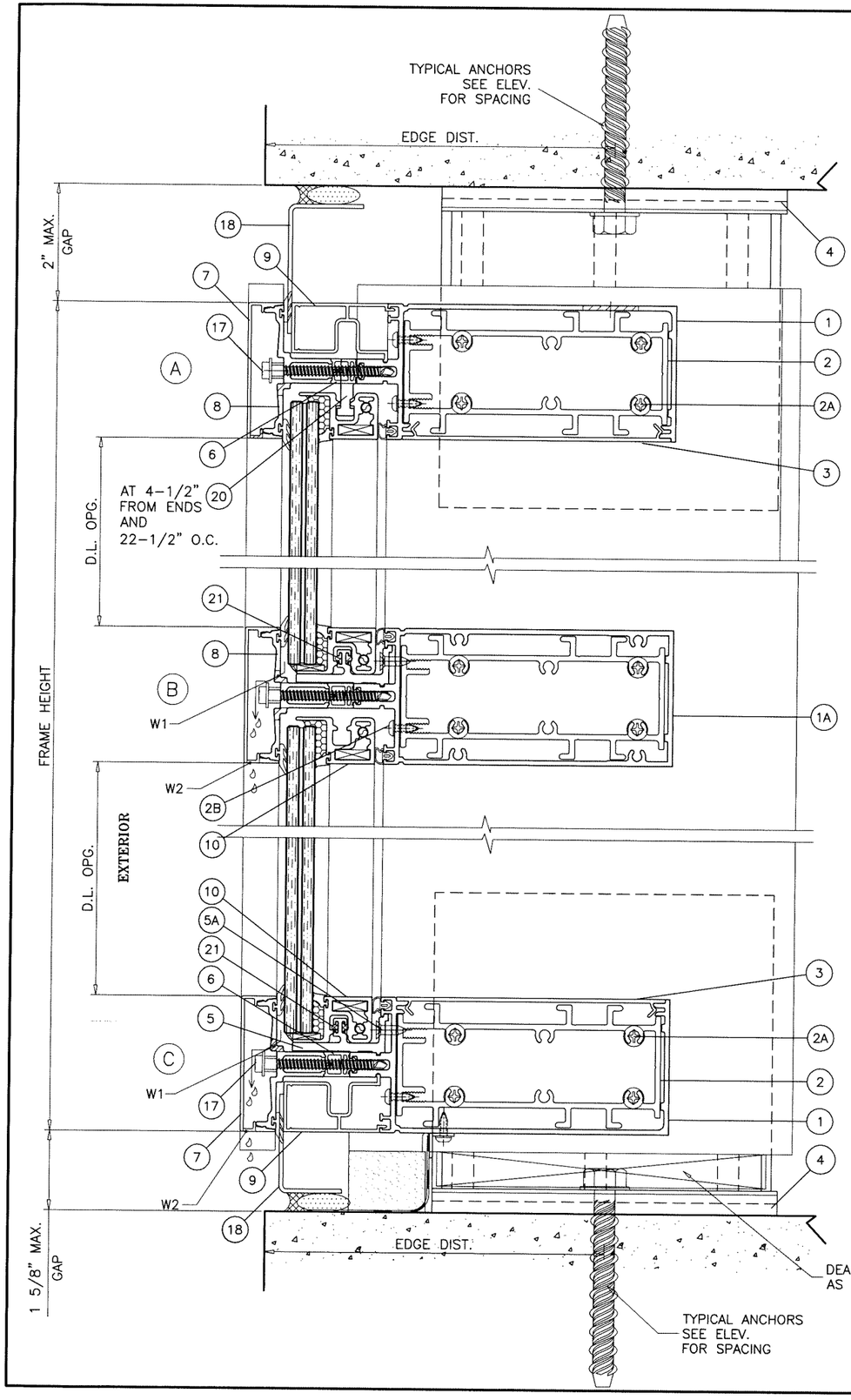
revisions:

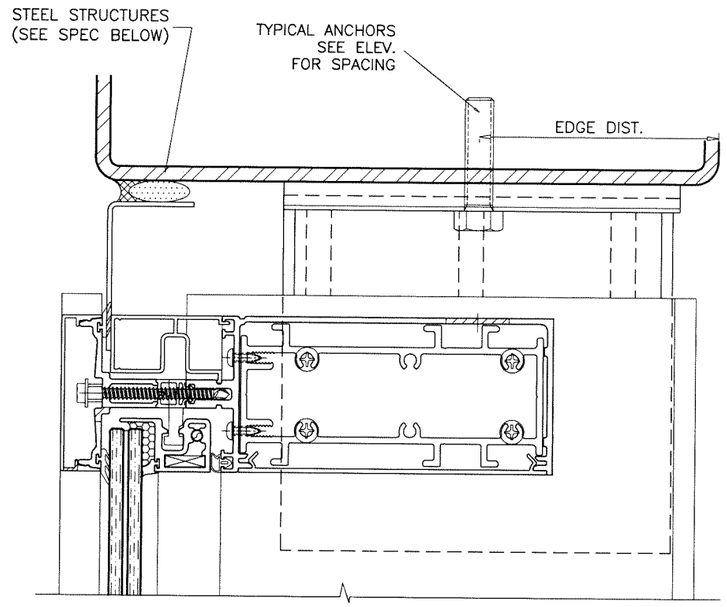
no	date	by	description
A	07.22.20		UPDATED TO 2020 FBC
B	07.21.23		UPDATED TO 2023 FBC
C	07.28.26		UPDATED TO 2026 FBC

date: 05−08−18
scale: 3/8"=1'−0"
dr. by: TARIQ
chk. by:

drawing no. 18−55F

sheet 1 of 6





METAL STRUCTURE NOT BY 'MR-GLASS'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/2" DIA. KWIK KH-EZ ANCHOR BY 'HILTI'

INTO 4000 PSI MIN. CONCRETE (MAX. DESIGN LOAD = +80, -90 PSF)
INTO 6000 PSI MIN. CONCRETE (MAX. DESIGN LOAD = +80, -110 PSF)
4-1/4" MIN. EMBED
5" MIN. CENTERLINE-TO-CENTERLINE SPACING
4-1/2" MIN. EDGE DISTANCE

1/2" DIA. MACHINE SCREWS (GRADE 5 CRS)

INTO STEEL STRUCTURES
1/8" THK. MIN. (Fy = 36 KSI MIN.)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

WEEPS:

W1 = 5/16" X 1-3/4" WEEP SLOTS (3) PER LITE
AT 8" FROM EACH END AND AT CENTER

W2 = 3/16" X 1-1/2" WEEP SLOTS (2) PER LITE
AT 3-1/2" FROM ENDS

Sealed: 8/19/2026

NOTE:
ANCHOR TORQUED AND OTHERWISE INSTALLED AS
PER MANUFACTURER SPECIFICATIONS.

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FL #27401

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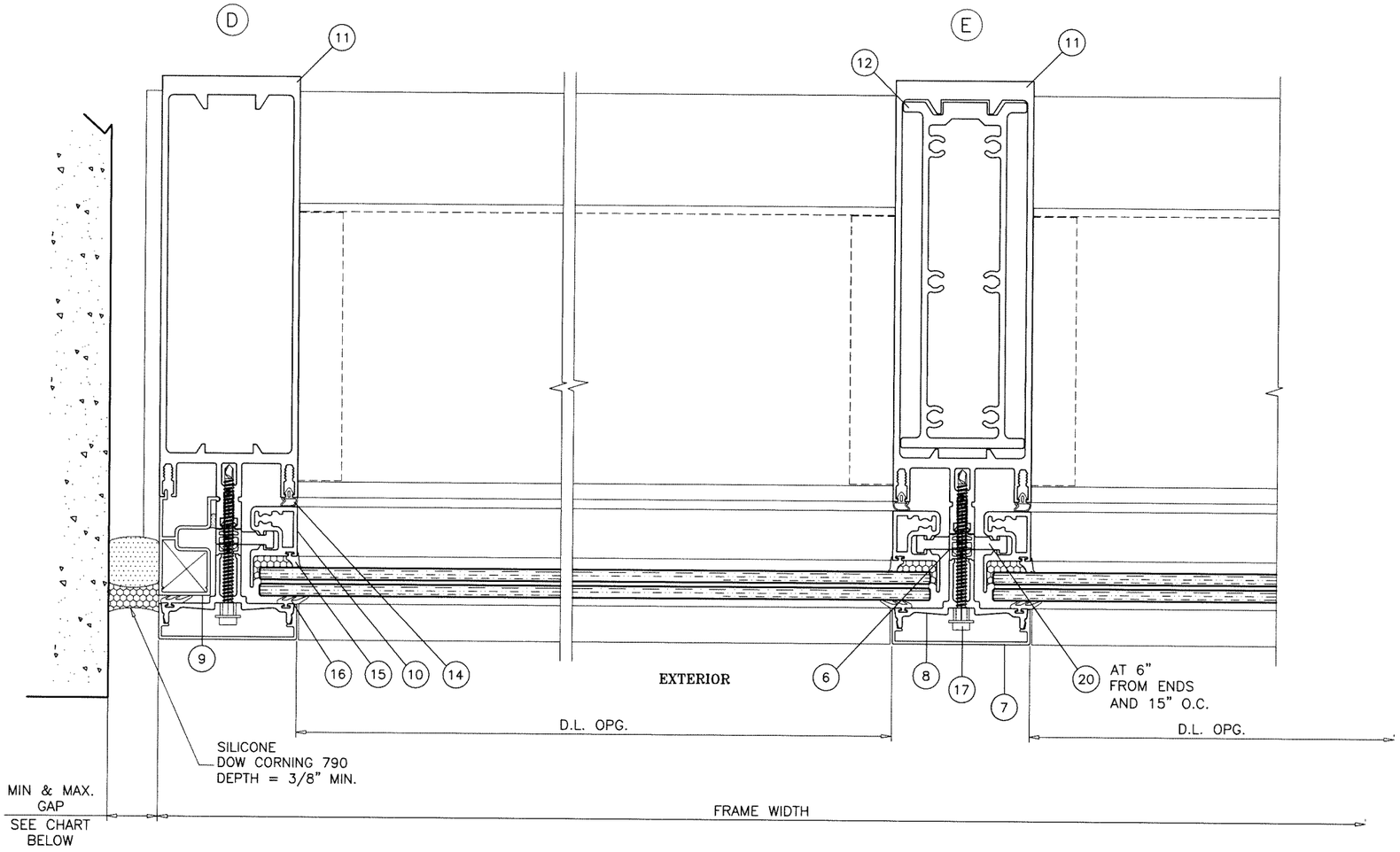
chk. by:

drawing no. 18-55F



MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
120"	3/8"	3/4"
138"	1/2"	3/4"
184"	9/16"	3/4"

NOTE:
MAX. MOVEMENT CONSIDERED=100% STRETCH.
PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOW WALL 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: 8/19/2026

JALAL FAROOQ
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PROFESSIONAL ENGINEER

FL #27401

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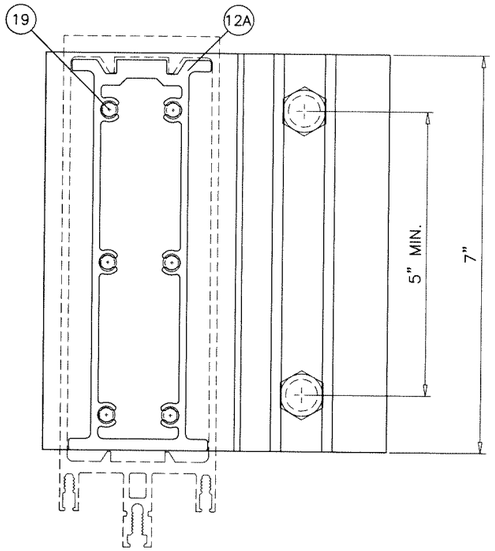
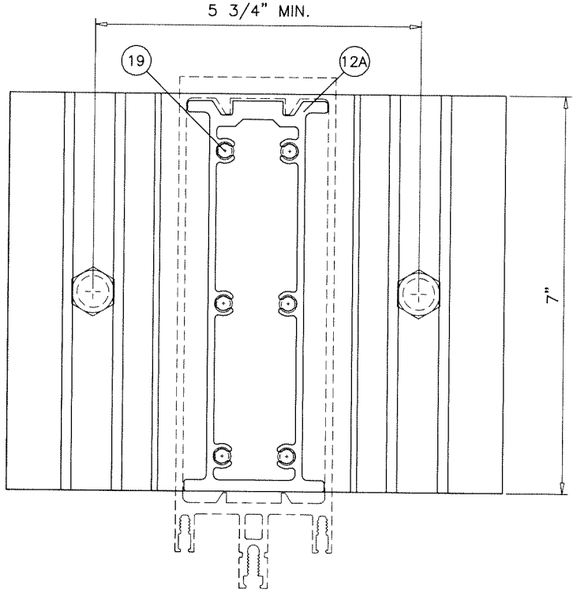
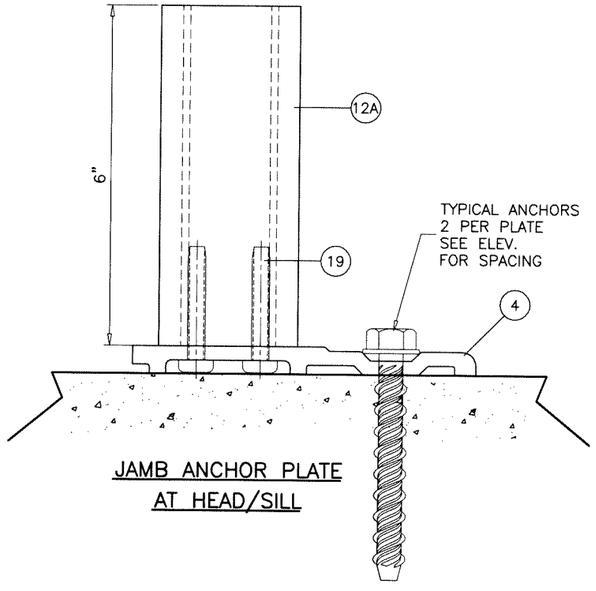
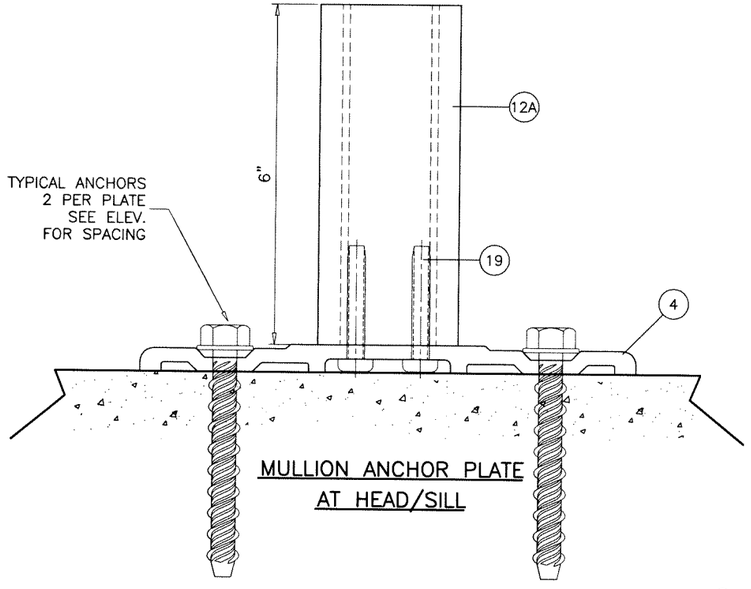
sheet 3 of 6





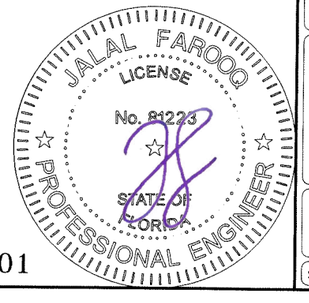


JAMB ANCHOR PLATE
AT HEAD/SILL



MULLION ANCHOR PLATE
AT HEAD/SILL

Sealed: 8/19/2026



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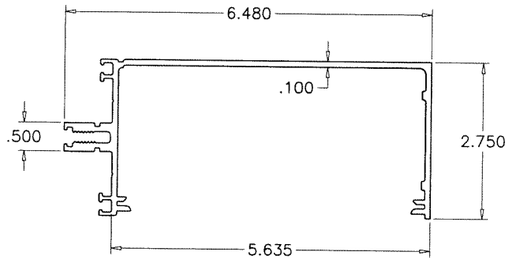
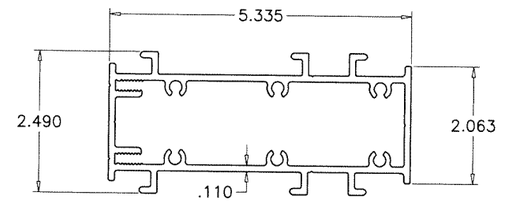
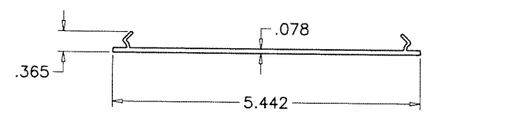


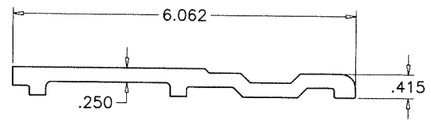
1 FRAME HEAD/SILL



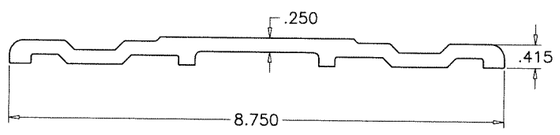
2 SHEAR BLOCK



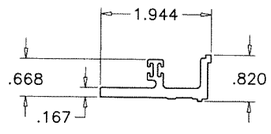
3 FRAME COVER



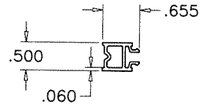
4 ANCHOR PLATE (JAMB)



4 ANCHOR PLATE (MULLION)



5 SITTING SHELF



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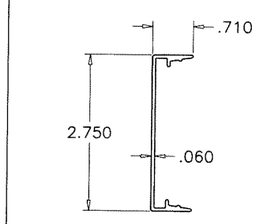
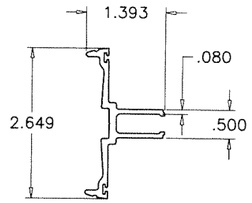
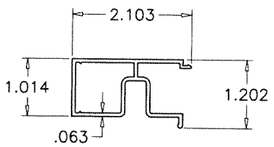


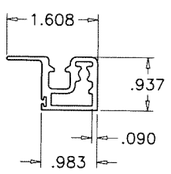
7 PRESSURE PLATE CAP



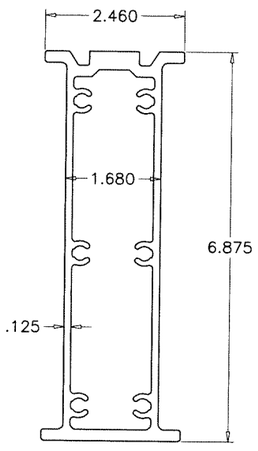
8 PRESSURE PLATE



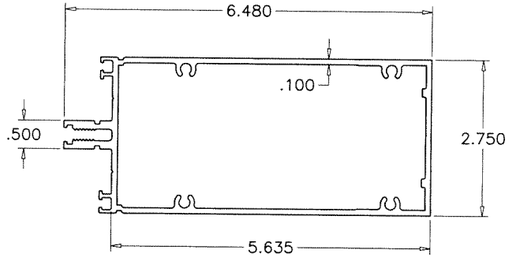
9 POCKET FILLER



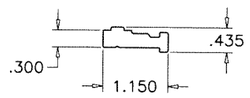
10 SUB FRAME



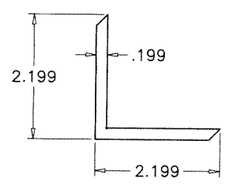
12 JAMB/MULL REINF.



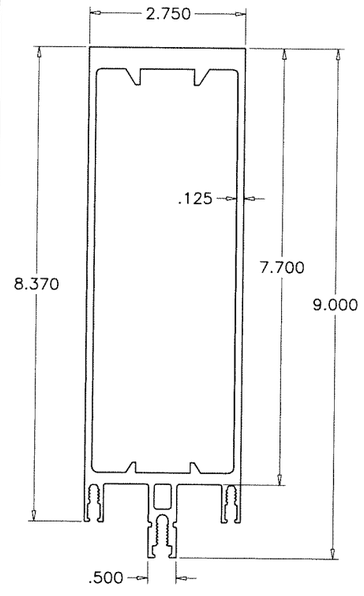
1A INTERMEDIATE HORIZONTAL



20 RETAINER CLIP



13 SUB FRAME CORNER KEY



11 FRAME JAMB/MULLION

Sealed: 8/19/2026

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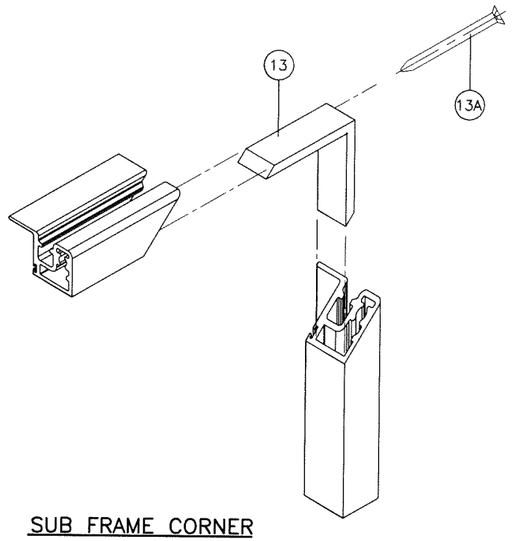
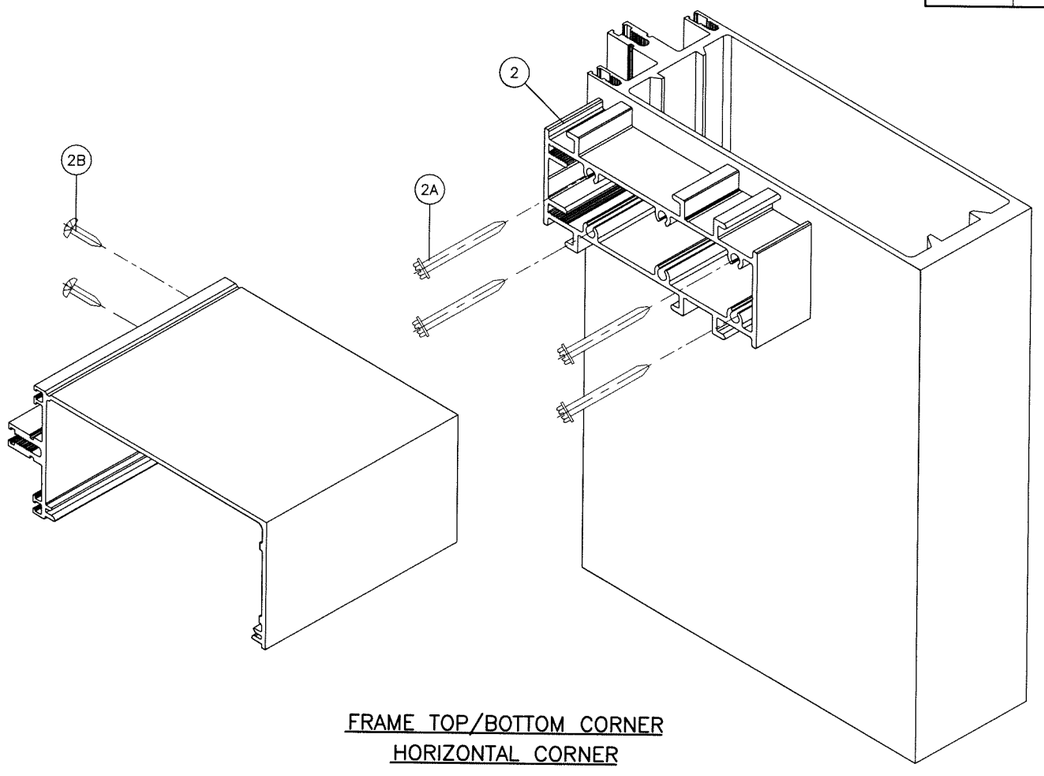


SUB FRAME CORNER

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	E-2007	AS REQD.	FRAME HEAD/SILL	6063-T6	-
1A	E-2006	AS REQD.	INTERMEDIATE HORIZONTAL	6063-T6	-
2	E-2010	AS REQD.	SHEAR BLOCK, 7/8" LONG	6063-T6	-
2A	#12 1-1/4"	4/ BLOCK	SHEAR BLOCK FASTENERS	ST. STEEL	PH SELF DRILLING
2B	#10 X 3/4"	2/ BLOCK	SHEAR BLOCK FASTENERS	ST. STEEL	PH SELF DRILLING
3	E-2046	AS REQD.	FRAME COVER	6063-T5	-
4	E-2013	AS REQD.	ANCHOR PLATE	6063-T6	-
5	E-2036	2/ LITE	SITTING SHELF, 6" LONG	6063-T6	-
5A	#12 X 3/4"	2/ SHELF	SITTING SHELF FASTENERS	ST. STEEL	PH SMS
6	G-2005	AS REQD.	THERMAL BREAK	RIGID OVC	-
7	E-2045	AS REQD.	PRESSURE PLATE CAP	6063-T5	-
8	E-2040	AS REQD.	PRESSURE PLATE	6063-T6	-
9	E-2047	AS REQD.	POCKET FILLER	6063-T5	-
10	E-2030	AS REQD.	SUB FRAME	6063-T6	-
11	E-2001	AS REQD.	FRAME JAMB/MULLION	6063-T6	-
12	E-2021	AS REQD.	JAMB/MULL REINFORCEMENT (LENGTH = FRAME HT. - 24")	6063-T6	-
12A	E-2021	AS REQD.	ANCHOR INSERT, 6" LONG	6063-T6	-
13	E-2037	AS REQD.	SUB FRAME CORNER KEY	6063-T6	-
13A	#12 X 2-1/2"	1/ CORNER	SUB FRAME ASSEMBLY FASTENERS	ST. STEEL	FH SELF DRILLING
14	G-2002	AS REQD.	SUB FRAME GASKET	EPDM	DUROMETER 80±5 SHORE A
15	G-2001	AS REQD.	INTERIOR GLAZING GASKET	SANTOPRENE	DUROMETER 70±5 SHORE A
16	G-2003	AS REQD.	PRESSURE PLATE GASKET	EPDM	DUROMETER 80±5 SHORE A
17	#12 X 3"	AS REQD.	PRESSURE PLATE FASTENERS, AT 1" FROM ENDS AND 6" O.C.	ST. STEEL	HH SELF DRILLING
18	-	AS REQD.	BREAK METAL COVER, .080" THK.	ALUMINUM	-
19	5/16" X 2"	6/ PLATE	PLATE FASTENERS	ST. STEEL	PH TAPPING SCREW
20	E-2033	AS REQD.	RETAINER CLIP, 2" LONG	6063-T5	-
21	G-2006	AS REQD.	BUMPER (AT SITTING SHELF)	EPDM	DUROMETER 80±5 SHORE A
22	-	2/ LITE	SETTING BLOCKS (9/16" X 1/8" X 4" LONG) AT 1/4 POINTS	SILICONE	DUROMETER 80±5 SHORE A



FRAME TOP/BOTTOM CORNER
HORIZONTAL CORNER

SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.

Sealed: 8/19/2026

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL #27401

afc
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
MIAMI, FLORIDA 33173 FAX. (305) 262-6978
TEL. (305) 264-8100
COMP-ANL\18-55F-MG

SERIES 2000 STICK ALUM. CURTAIN WALL SYS. (S.M.I.)

MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:

no	date	by	description

date: 05-08-18
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no. 18-55F

sheet 6 of 6