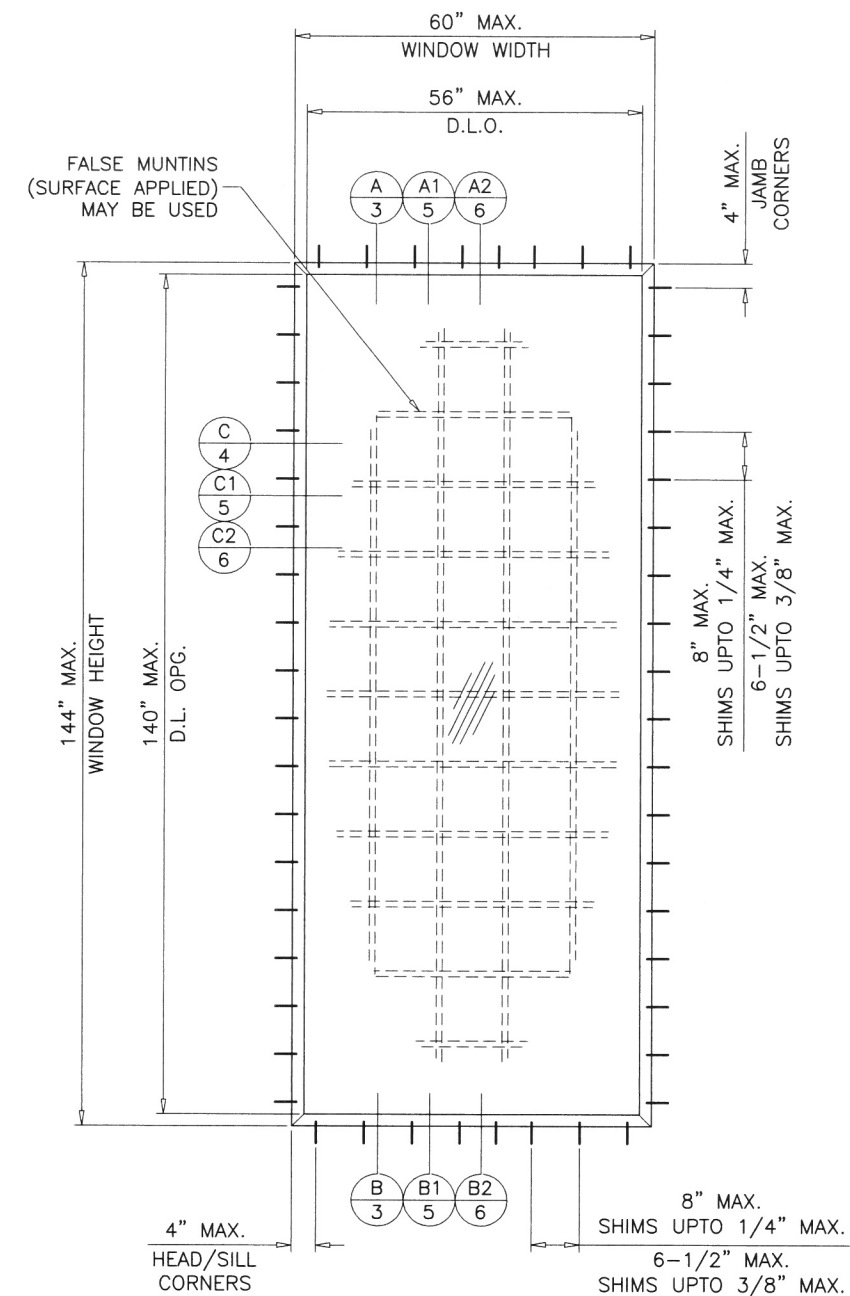


SERIES S67/S77/S91
THERMALLY BROKEN ALUMINUM FIXED WINDOW

LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION
APPROVAL WILL APPLY TO ENTIRE SYSTEM.

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.



TYPICAL ELEVATION
TESTED UNIT

Sealed: 9/8/2026

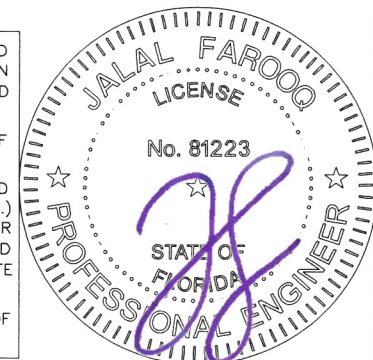
FL #44178

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.



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

a f c

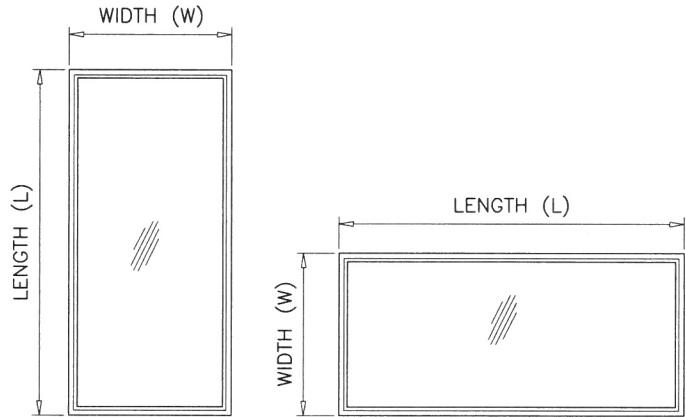
FBPE #3538
COMP—ANL\23—26F—AAI

S67/S77/S91 THERMALLY BROKEN ALUM FIX. WDW. (L.M.I.)

ALUMIL S.A.
8 Gogousse Str.
564 29 Efkarpia, Thessaloniki, Greece
Tel. +30 231 301 1000
www.alumil.com

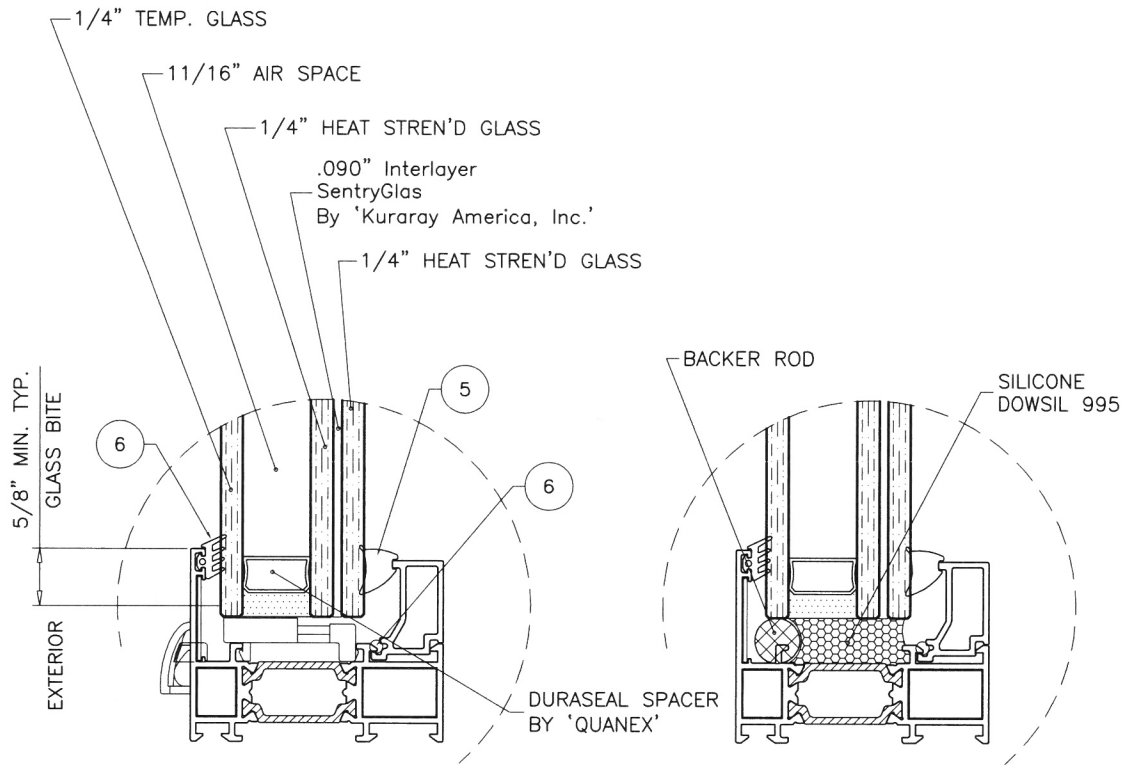
date: 06-01-23		revisions:	
scale: 3/8"=1'-0"		no	date
dr. by: TARIQ		A	09.08.26
chk. by:			
drawing no.		by description	
23-26F		UPDATED TO 2026 FBC	
sheet 1 of 8			

DESIGN LOAD CAPACITY - PSF			
FRAME DIMS.		INSUL. LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	1NT.(-)
48"	84"	70.0	70.0
54"		70.0	70.0
60"		70.0	70.0
66"		63.6	63.6
72"		58.3	58.3
80"		52.5	52.5
86"		50.0	50.0
92"		50.0	50.0
48"	90"	70.0	70.0
54"		70.0	70.0
60"		70.0	70.0
66"		63.6	63.6
72"		58.3	58.3
80"		52.5	52.5
86"		48.8	48.8
92"		46.7	46.7
48"	96"	70.0	70.0
54"		70.0	70.0
60"		70.0	70.0
66"		63.6	63.6
72"		58.3	58.3
80"		52.5	52.5
86"		48.8	48.8
48"	108"	70.0	70.0
54"		70.0	70.0
60"		70.0	70.0
66"		63.6	63.6
72"		58.3	58.3
80"		52.5	52.5
48"	120"	70.0	70.0
54"		70.0	70.0
60"		70.0	70.0
66"		63.6	63.6
72"		58.3	58.3
48"	126"	70.0	70.0
54"		70.0	70.0
60"		70.0	70.0
66"		63.6	63.6
48"	144"	70.0	70.0
54"		70.0	70.0
60"		70.0	70.0



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

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



GLAZING DETAIL
1-7/16" OVERALL INSUL. LAM. GLASS

Sealed: 9/8/2026

FL #44178



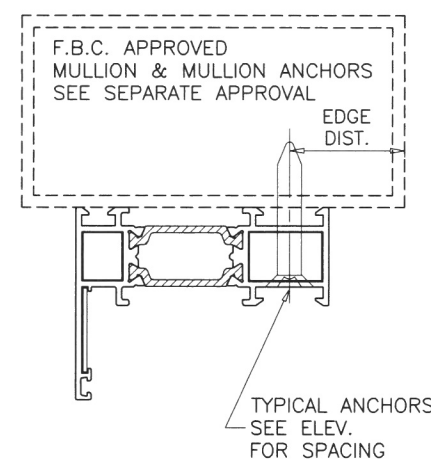
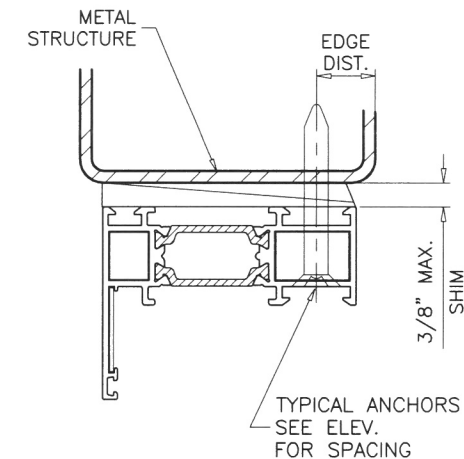
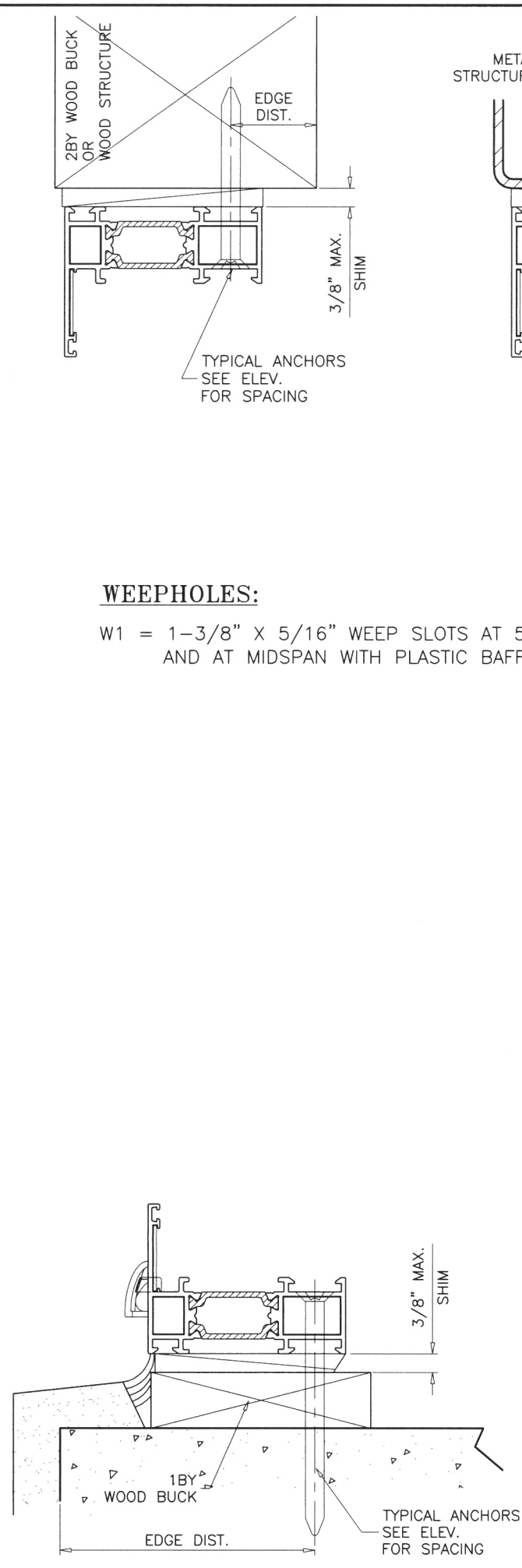
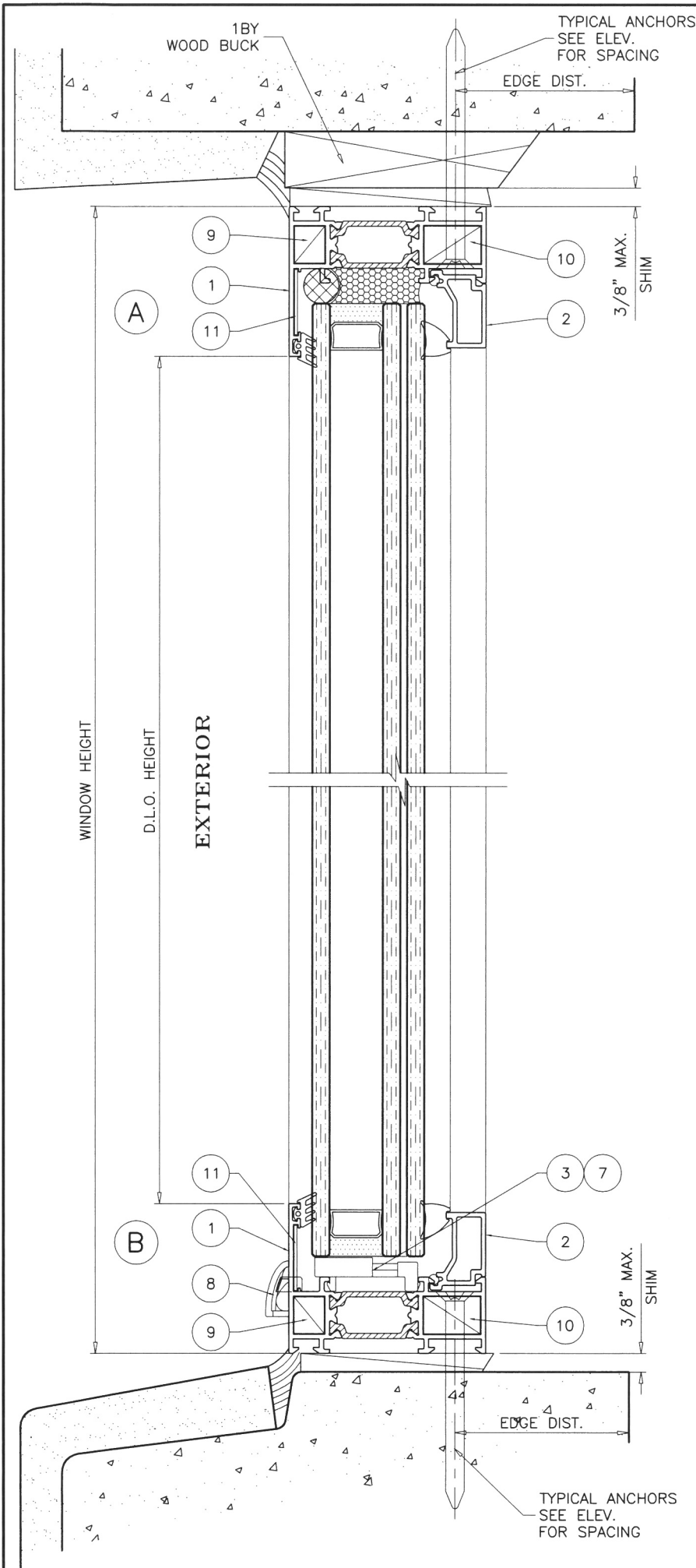
af c

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
FBPE #3538

S67/S77/S91 THERMALLY BROKEN ALUM FIX. WDW. (L.M.I.)

ALUMIL S.A.
8 Gogousse Str.
564 29 Efkarpa, Thessaloniki, Greece
Tel. +30 231 301 1000
www.alumil.com

revisions:	no	date	by	description
date:	06-01-23	scale:	1/2" = 1"	
dr. by:	TARIQ	chk. by:		
drawing no.	23-26F	sheet	2 of 8	



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

WEEPHOLES:

W1 = 1-3/8" X 5/16" WEEP SLOTS AT 5" FROM EACH END AND AT MIDSPAN WITH PLASTIC BAFFLE

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

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)

DIRECTLY INTO CONCRETE OR BLOCKS 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS) 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS) INTO F.B.C. APPROVED MULLIONS OR INTO METAL STRUCTURES (HEAD/SILL/JAMBS) (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) STEEL: 1/8" THK. MIN. (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.

SERIES S67

Sealed: 9/8/2026

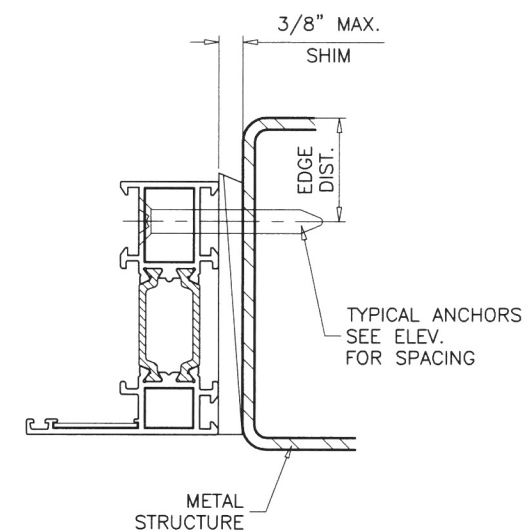
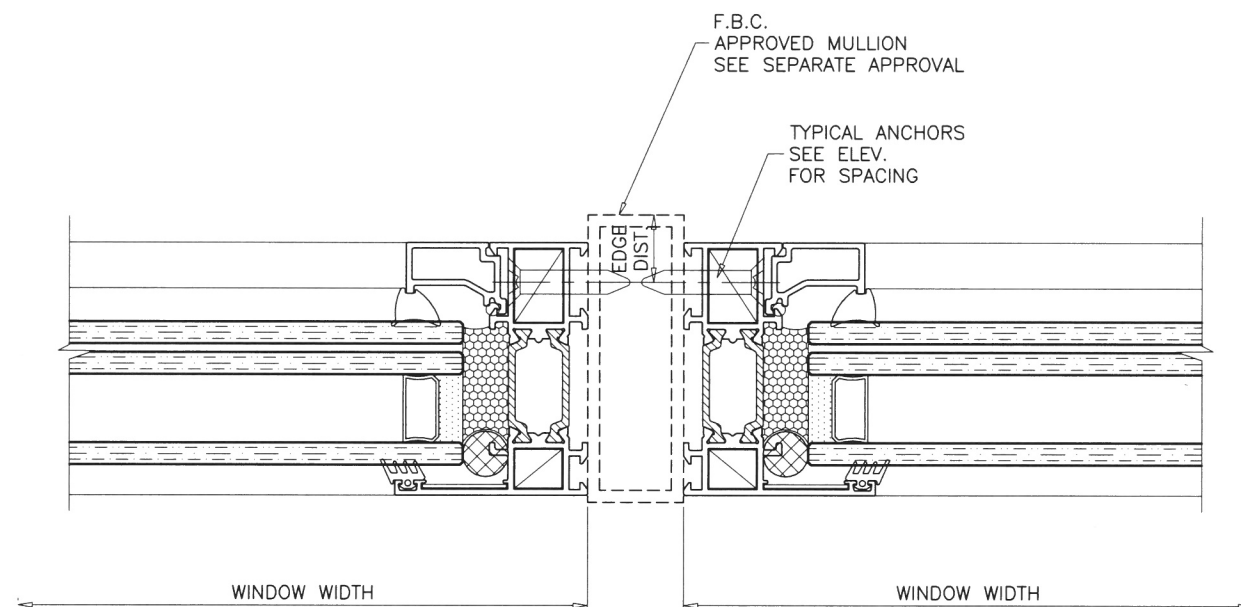
FL #44178



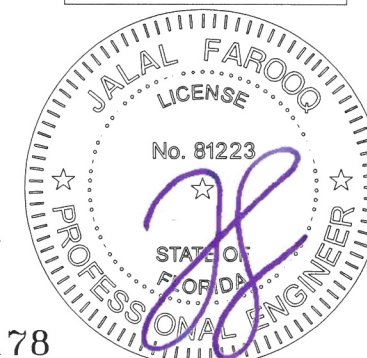
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538
COMP-ANL\23-26F-AAI

S67/S77/S91 THERMALLY BROKEN ALUM FIX. WDW. (L.M.I.)
ALUMIL S.A.
8 Gogousse Str.
564 29 Efkarpi, Thessaloniki, Greece
Tel. +30 231 301 1000
www.alumil.com

revisions:	no	date	by	description
date: 06-01-23				
scale: 1/2" = 1"				
dr. by: TARIQ				
chk. by:				
drawing no.				
23-26F				
sheet 3 of 8				

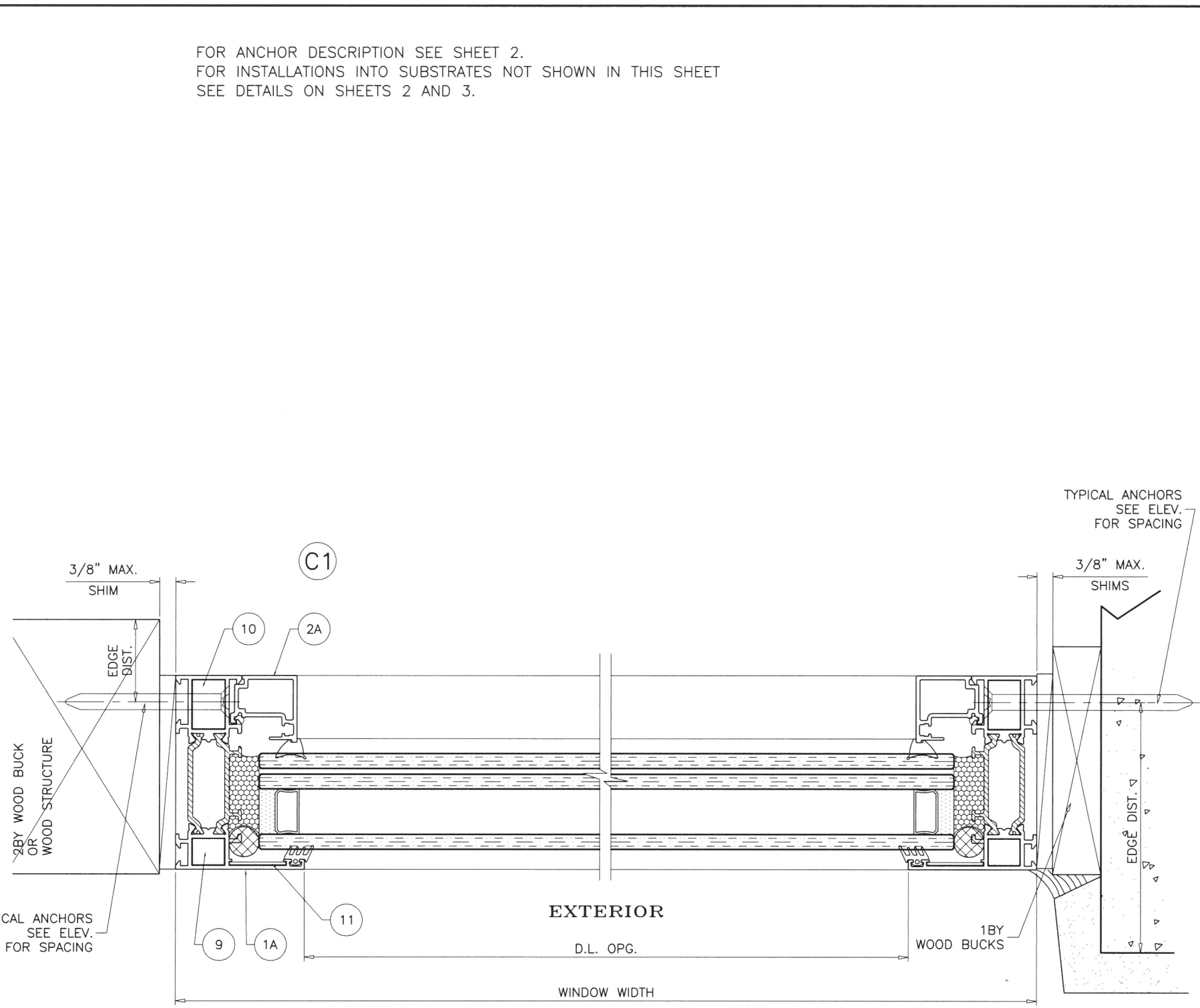
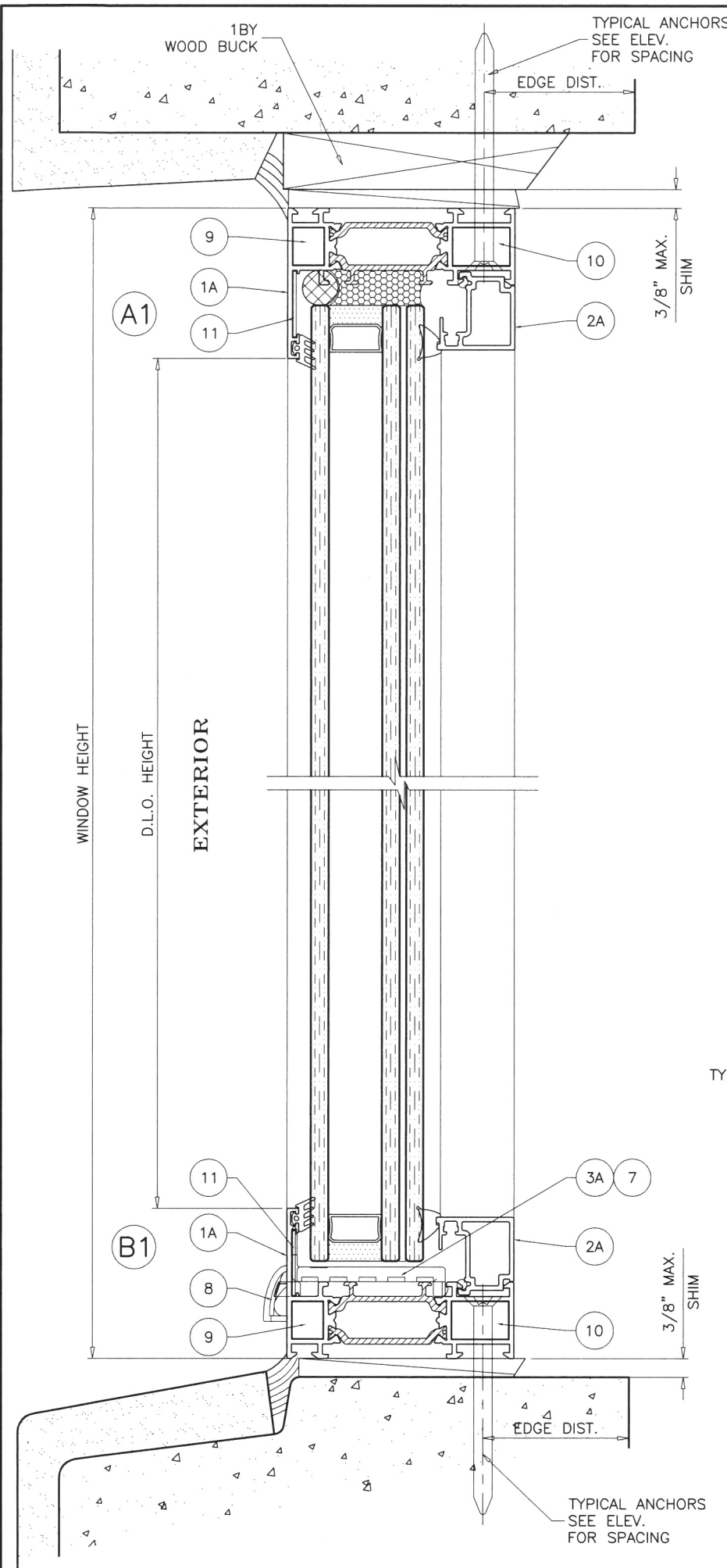


SERIES S67



drawing no.
23-26F

sheet 4 of 8



FOR ANCHOR DESCRIPTION SEE SHEET 2.
 FOR INSTALLATIONS INTO SUBSTRATES NOT SHOWN IN THIS SHEET
 SEE DETAILS ON SHEETS 2 AND 3.

Sealed: 9/8/2026

SERIES S77

FL #44178

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 FBPE #9538

S67/S77/S91 THERMALLY BROKEN ALUM FIX. WDW. (L.M.I.)

ALUMIL S.A.
 8 Gogousse Str.
 564 29 Efkarpi, Thessaloniki, Greece
 Tel. +30 231 301 1000
 www.alumil.com

revisions:		by description	
no	date		

date: 06-01-23

scale: 1/2" = 1"

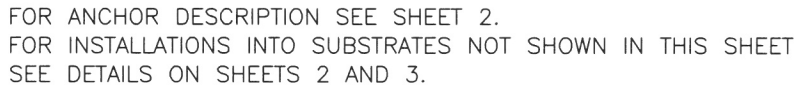
dr. by: TARIQ

chk. by:

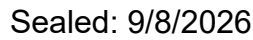
drawing no.

23-26F

sheet 5 of 8



FOR ANCHOR DESCRIPTION SEE SHEET 2.
FOR INSTALLATIONS INTO SUBSTRATES NOT SHOWN IN THIS SHEET
SEE DETAILS ON SHEETS 2 AND 3.



SERIES S91

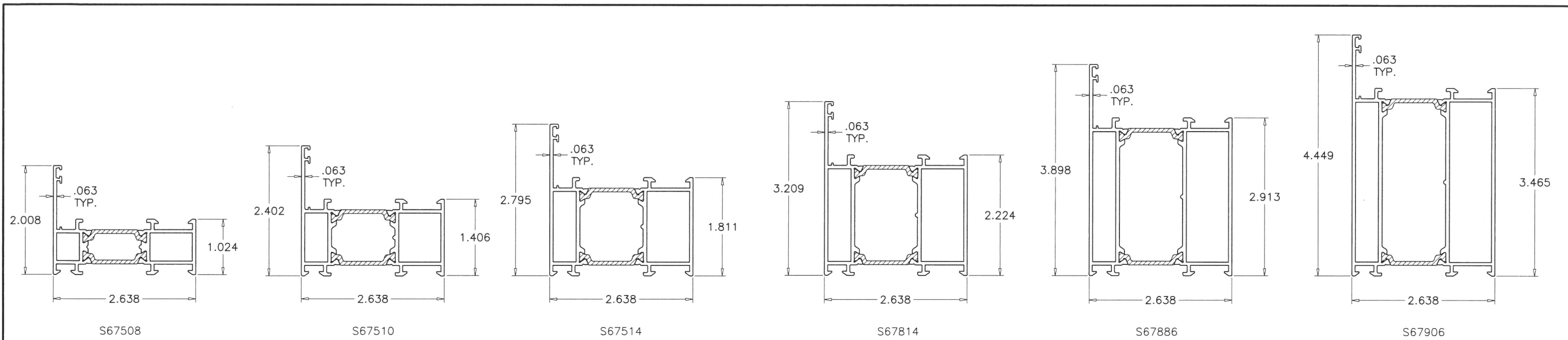


FL #44178

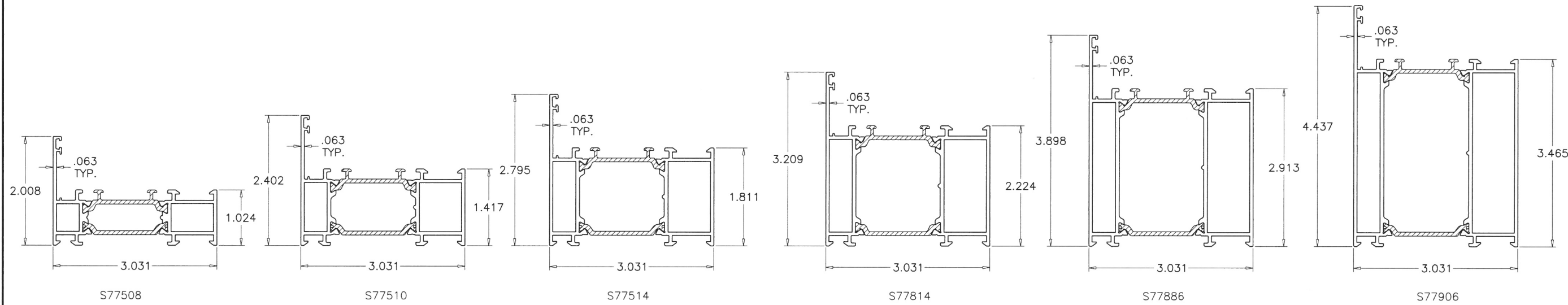
AL-FAROQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM

ALUMIL S.A.
8 Gogousse Str.
564 29 Efkarpia, Thessaloniki, Greece
Tel. +30 231 301 1000
www.alumil.com

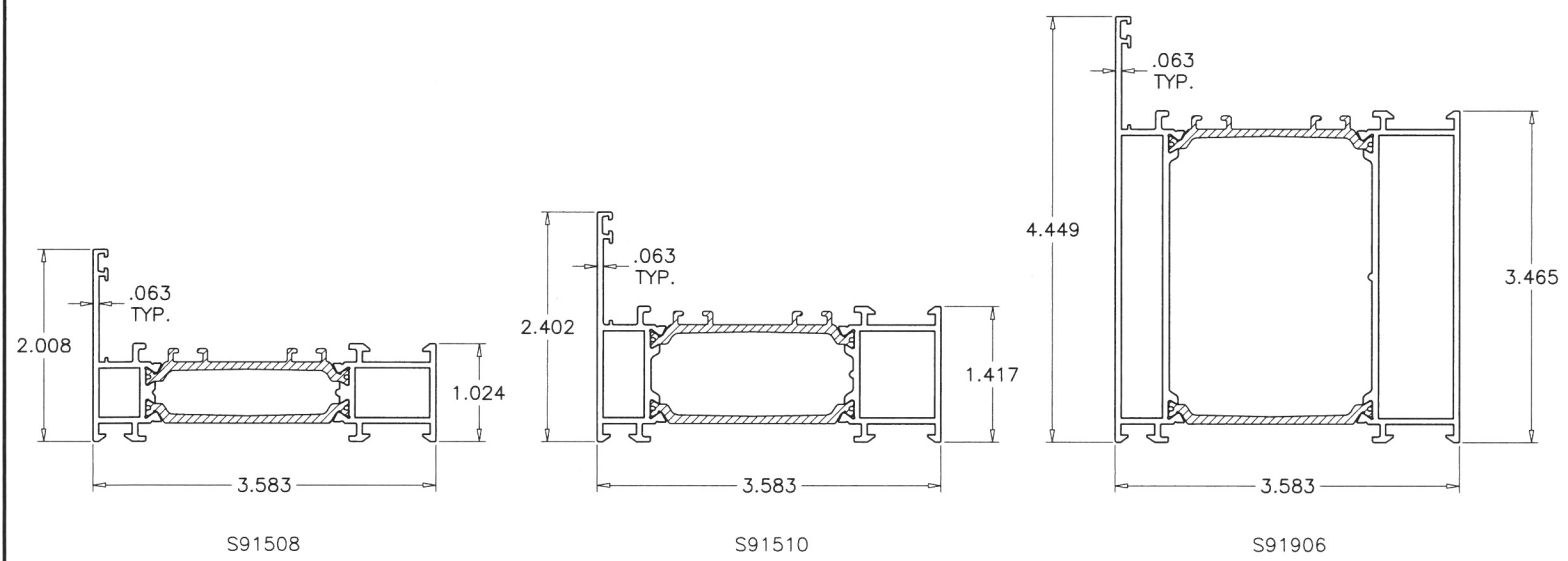
[illegible]



1 WINDOW FRAMES (S67)



1A WINDOW FRAMES (S77)



1B WINDOW FRAMES (S91)

WINDOWS TESTED WITH SERIES S67 FRAME (#S67508)
APPROVED WITH ALTERNATE FRAME WIDTHS AND HEIGHTS OF S67 SERIES
ALSO WITH ALTERNATE FRAME WIDTHS AND HEIGHTS OF
S77 & S91 SERIES

Sealed: 9/8/2026

INSULBARS
MATERIAL = POLYAMIDE
TENSILE STRENGTH = 13031 PSI
RATE OF BURN = .752 IN./MIN.
SELF IGNITION TEMP. = 793° F
FLASH IGNITION TEMP. = 781°C
SMOKE DENSITY = 1.63



FL #44178

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538

COMP-ANL\23-26F-AAI

S67/S77/S91 THERMALLY BROKEN ALUM FIX. WDW. (L.M.I.)

ALUMIL S.A.
8 Gogousse Str.
564 29 Efkarpia, Thessaloniki, Greece
Tel. +30 231 301 1000
www.alumil.com

revisions:

no	date	by	description

date: 06-01-23

scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

drawing no.

23-26F

sheet

7 of 8

② GLASS STOP (S67)

③ GLASS SUPPORT (S67)

②A GLASS STOP (S77)

③A GLASS SUPPORT (S77)

②B GLASS STOP (S91)

③B GLASS STOP (S91)

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	—	4	SERIES S67 WINDOW FRAMES	6060-T66	—
1A	—	4	SERIES S77 WINDOW FRAMES	6060-T66	—
1B	—	4	SERIES S91 WINDOW FRAMES	6060-T66	—
2	—	4	SERIES S67 GLASS STOP	6060-T66	—
2A	S60435	4	SERIES S77 GLASS STOP	6060-T66	—
2B	S60440	4	SERIES S91 GLASS STOP	6060-T66	—
3	290-67-002-00	4	SERIES S67 GLASS SUPPORT, 2.9" LONG	6060-T66	—
3A	290-67-002-00	4	SERIES S77 GLASS SUPPORT, 2-3/4" LONG	6060-T66	—
3B	290-91-002-00	4	SERIES S91 GLASS SUPPORT, 2-3/4" LONG	6060-T66	—
4	200-06-860-01	AS REQD.	EXTERIOR GLAZING GASKET	EPDM	—
5	220-09-008-01	AS REQD.	INTERIOR GLAZING GASKET	EPDM	—
6	220-31-230-03	AS REQD.	GLAZING BEAD GASKET	EPDM	—
7	290-00-005-00	2	SETTING BLOCKS, AT 1/4 POINTS	EPDM	—
8	310-11-501-00	AS REQD.	WEEP HOLE COVER	POLYAMIDE	—
9	140-58-520-00	AS REQD.	FRAME CORNER CLEAT	DIE CAST ALUM	—
10	140-58-280-00	AS REQD.	FRAME CORNER CLEAT	DIE CAST ALUM	—
11	180-77-280-00	AS REQD.	ALIGNMENT CORNER KEY	ALUMINUM	—
12	—	—	—	—	—

SEALANTS:
ALL FRAME AND VENT CORNERS AND INSTALLATION SCREWS
SEALED WITH CLEAR/ALUMINUM COLORED SEALANT.

Sealed: 9/8/2026



FL #44178

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538

S67/S77/S91 THERMALLY BROKEN ALUM FIX. WDW. (L.M.I.)

ALUMIL S.A.
8 Gogousse Str.
564 29 Efkarpia, Thessaloniki, Greece
Tel. +30 231 301 1000
www.alumil.com

revisions:	no	date	by	description

date:	06-01-23
scale:	1/2" = 1"
dr. by:	TARIQ
chk. by:	

drawing no.	23-26F
sheet	8 of 8