

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

ALFA 85 STAINLESS STEEL
THERMALLY BROKEN SLIDING GLASS DOOR

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHARTS SHOWN ON SHEET 4.

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).

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 2023/2026 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)'.

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.

NOTE:
GLASS CAPACITIES ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

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: 8/17/2026

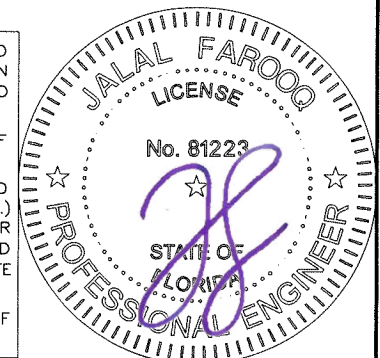
FL #48381

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.



ALFA 85 ST. STEEL SLIDING GLASS DOOR (L.M.I.)

Brombal Serramenti S.R.L.
Via Vallà, 24,
Caselle (TV), Italy 31030
Tel. +39 0423 566189

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

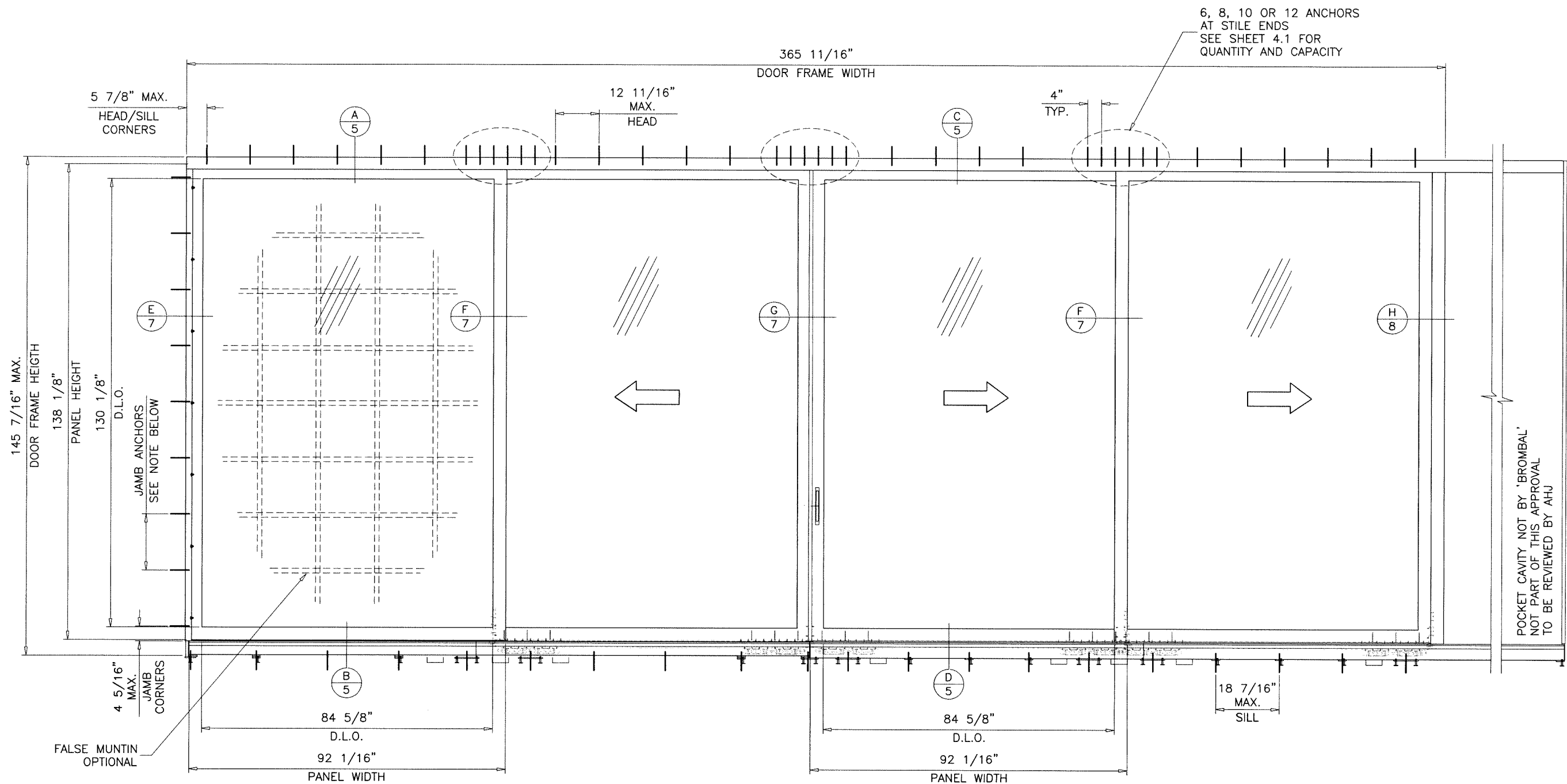
COMP-ANL\25-78F-BSS

revisions:
no date by description

date: 09-02-25	scale: —	dr. by: —

drawing no.
25-78F

sheet 1 of 15



TYPICAL ELEVATION

TESTED UNIT
TWO TRACK FRAMES

JAMB ANCHORS SPACING:
18" O.C. MAX. FOR SHIMS UP TO 1/4"
13-3/4" MAX. FOR SHIMS MORE THAN 1/4"

Sealed: 8/17/2026



FL #48381

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

ALFA 85 ST. STEEL SLIDING GLASS DOOR (L.M.I.)

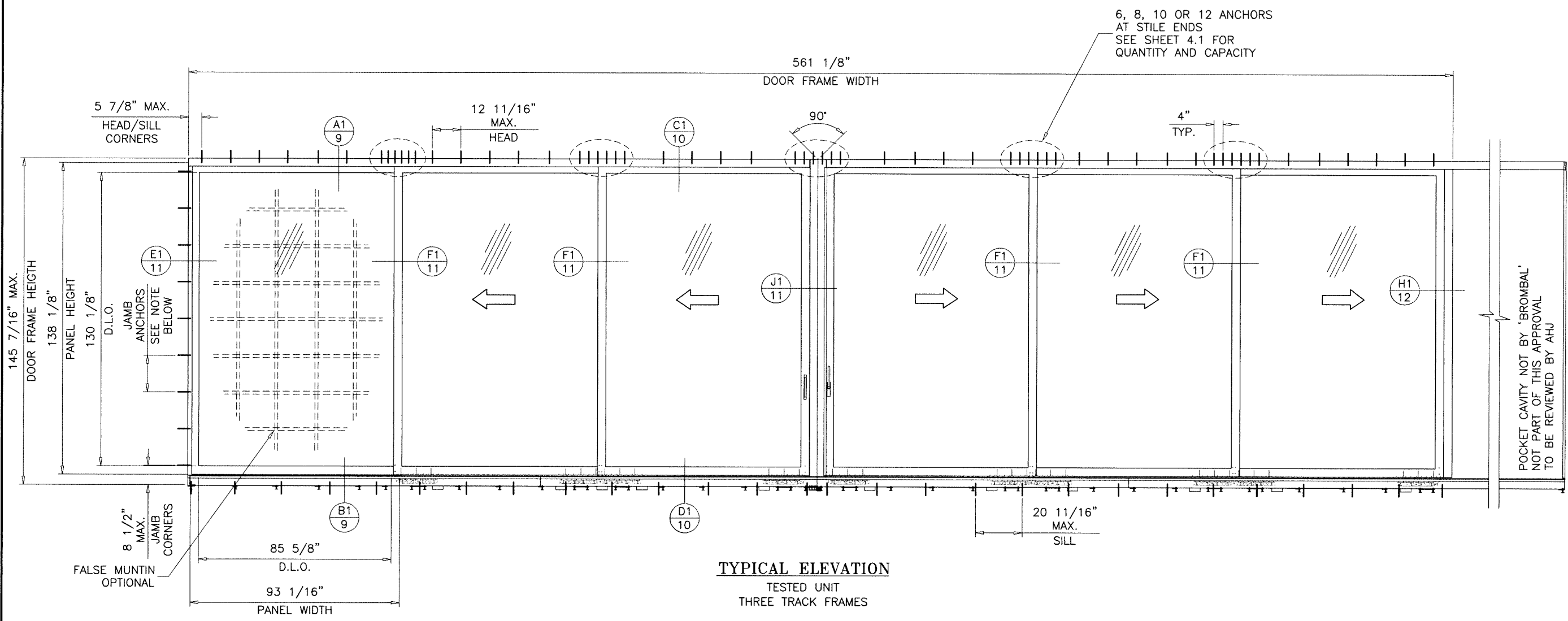
Brombal Serramenti S.R.L.
Via Vallà, 24,
Caselle (TV), Italy 31030
Tel. +39 0423 566189

revisions:		by description	
no	date	no	description

date: 09-02-25
scale: 3/8"=1'-0"
dr. by: -
chk. by: -

drawing no.
25-78F
sheet 2 of 15

COMP-ANL\25-78F-BSS



JAMB ANCHORS SPACING:
 18" O.C. MAX. FOR SHIMS UP TO 1/4"
 13-3/4" MAX. FOR SHIMS MORE THAN 1/4"

TYPICAL ELEVATION
 TESTED UNIT
 THREE TRACK FRAMES

Sealed: 8/17/2026



FL #48381

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
 COMP-ANL 25-78F-BSS

ALFA 85 ST. STEEL SLIDING GLASS DOOR (L.M.I.)
Brombal Serramenti S.R.L.
 Via Vallà, 24,
 Caselle (TV), Italy 31030
 Tel. +39 0423 566189

revisions:	
no	date by description

date: 09-02-25

scale: 1/4"=1'-0"

dr. by: -

chk. by: -

drawing no.
25-78F

sheet **3** of **15**

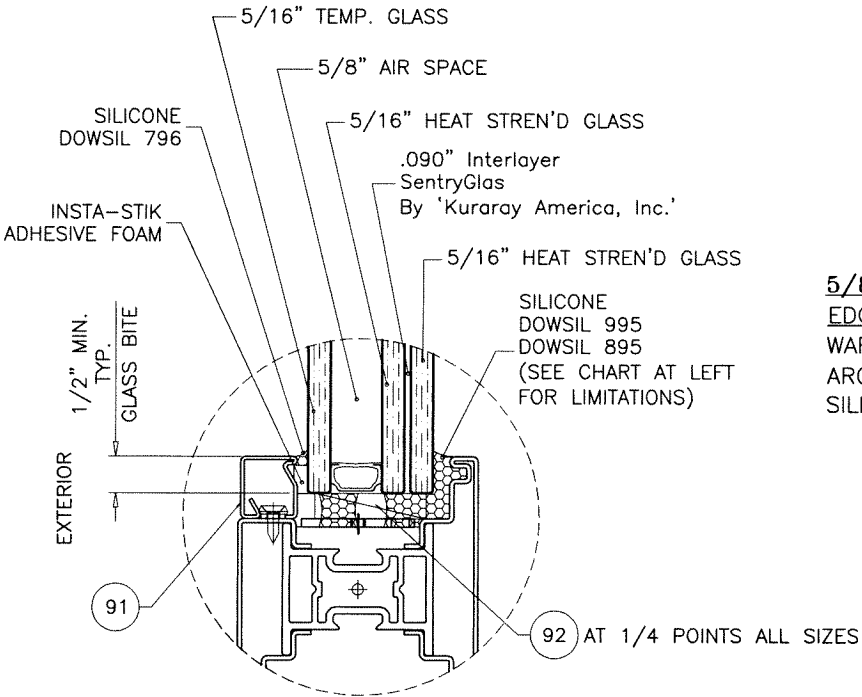
DOOR DESIGN LOAD CAPACITY - PSF					
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	DOWSIL 995		DOWSIL 895	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
54	120	50.1	62.0	40.4	55.1
60		50.1	62.0	40.4	55.1
66		50.1	62.0	40.4	55.1
72		50.1	62.0	40.4	55.1
74-3/8		50.1	62.0	40.4	55.1
78		50.1	62.0	40.4	55.1
84		50.1	62.0	40.4	55.1
90	132	50.1	62.0	-	-
96		50.1	62.0	-	-
54		50.1	62.0	40.4	55.1
60		50.1	62.0	40.4	55.1
66		50.1	62.0	40.4	55.1
72		50.1	62.0	40.4	55.1
74-3/8		50.1	62.0	40.4	55.1
78		50.1	62.0	40.4	55.1
84		50.1	62.0	-	-
90		50.1	62.0	-	-
96		50.1	62.0	-	-
54	144	50.1	62.0	40.4	55.1
60		50.1	62.0	40.4	55.1
66		50.1	62.0	40.4	55.1
72		50.1	62.0	40.4	55.1
74-3/8		50.1	62.0	40.4	55.1
78		50.1	62.0	-	-
84		50.1	62.0	-	-
90	145-7/16	50.1	62.0	-	-
93-1/2		50.1	62.0	-	-
54		50.1	62.0	-	-
60	145-7/16	50.1	62.0	-	-
66		50.1	62.0	-	-
72		50.1	62.0	-	-
74-3/8		50.1	62.0	-	-
78		50.1	62.0	-	-
84		50.1	62.0	-	-
90		50.1	62.0	-	-
93-1/2		50.1	62.0	-	-

FOR DOORS WITH 90° CORNER STILES
LIMIT MAX. LOADS TO 60.2 PSF

AVERAGE PANEL WIDTH = $\frac{\text{DOOR FRAME WIDTH}}{\text{NUMBER OF PANELS}}$

DOOR HEIGHT AND WIDTH SIZE MUST COMPLY
EGRESS REQUIREMENTS PER FBC AS REQUIRED.

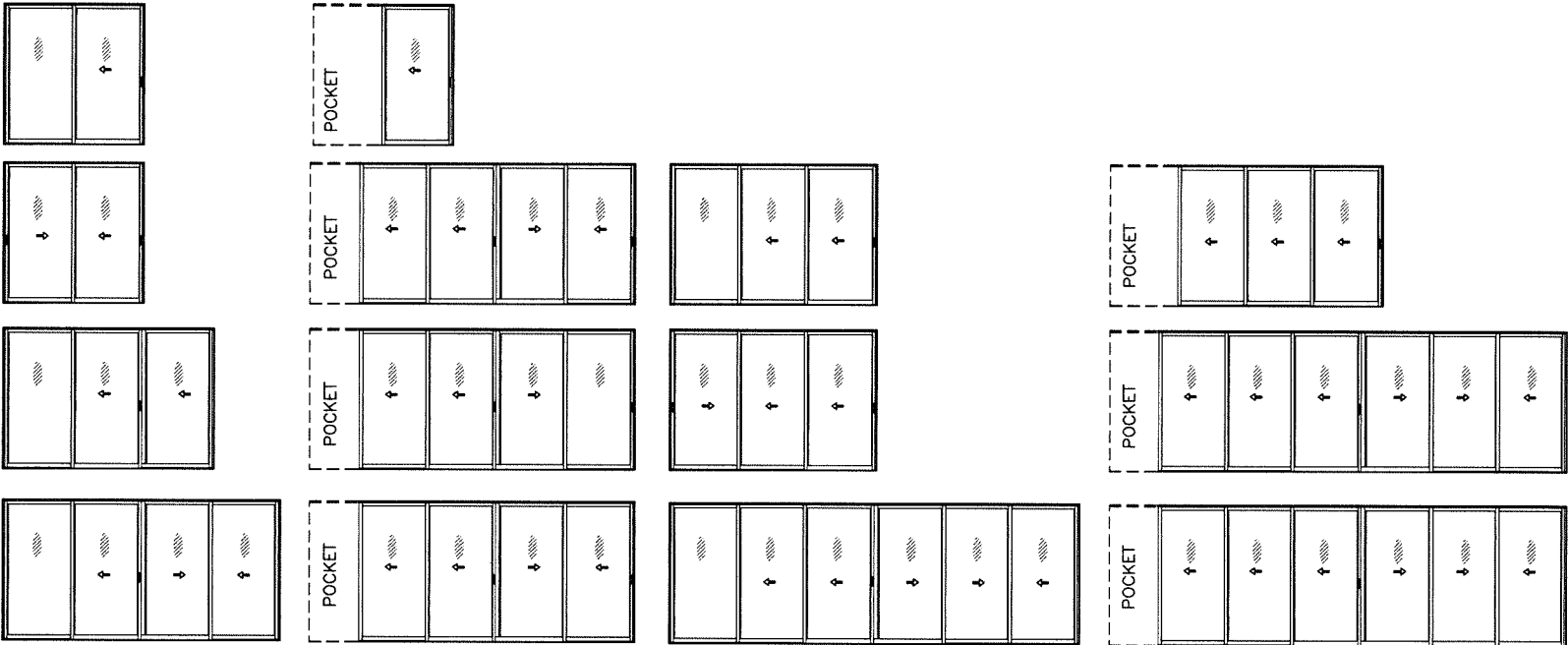
SEE CHART ABOVE FOR DESIGN LOAD CAPACITY OF
DESIRED DOOR SIZE.
SEE CHART ON SHEET 4.1 FOR HEAD ANCHOR CAPACITY.
LOWER DESIGN PRESSURES FROM DESIGN LOAD CHART
OR HEAD ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.



GLAZING DETAIL
1-3/4" INSUL. LAM. GLASS

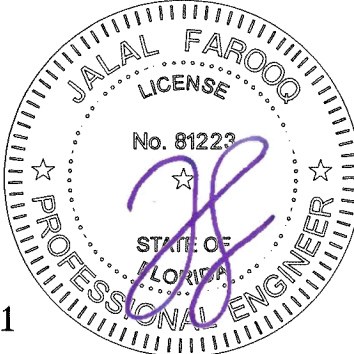
NOTE:
ALTERNATE SHAPED GLAZING BEADS ARE APPROVED
WITH MIN. .047" THK. & .866" MIN. HT.
AND MECHANICALLY FASTENED TO FRAME.

5/8" AIR SPACE CONSISTING OF:
EDGE SPACER:
WARM EDGE 'TGI-SPACER M' BY 'TECHNOFORM'
AROUND THE PERIMETER OF THE GLASS.
SILICONE COMPATIBILITY TO BE VERIFIED.



NOTE:
DOORS ARE APPROVED FOR ANY NUMBER OF PANELS WITH OR WITHOUT
POCKETS AND WITH OR WITHOUT 90° CORNER STILES
AT LEAST ONE OPERABLE PANEL REQUIRED AT CORNER DETAILS
SEE SHEETS 5 THRU 12 FOR APPROVED STILE CONFIGURATIONS

FRAME AREA OF ALTERNATE SIZE UNIT MUST NOT EXCEED 150% OF
TESTED FRAME AREA = 850.1 SQ. FT.



Sealed: 8/17/2026 FL #48381

af c

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 262-6978
FAX. (305) 262-6978
COMP - ANL 25-78F-BSS

ALFA 85 ST. STEEL SLIDING GLASS DOOR (L.M.I.)

Brombal Serramenti S.R.L.
Via Vallà, 24,
Caselle (TV), Italy 31030
Tel. +39 0423 566189

revisions:	no	date	by	description
date:	09-02-25	scale:	3/8" = 1"	
dr. by:	-	chk. by:		
drawing no.	25-78F	sheet	4 of 15	

HEAD ANCHOR LOAD CAPACITY - PSF													
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	1/4" MAX. SHIMS				3/8" MAX. SHIMS				1/2" MAX. SHIMS			
		ANCHOR TYPE 'A'			ANCHOR 'B'	ANCHOR TYPE 'A' & 'B'				ANCHOR TYPE 'A' & 'B'			
		6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	12 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	12 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
54	96	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
60		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	57.0	62.0	62.0	62.0
66		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	51.9	62.0	62.0	62.0
72		62.0	62.0	62.0	62.0	61.1	62.0	62.0	62.0	47.5	59.4	62.0	62.0
78		62.0	62.0	62.0	62.0	56.4	62.0	62.0	62.0	43.9	54.8	62.0	62.0
84		62.0	62.0	62.0	62.0	52.4	62.0	62.0	62.0	40.7	50.9	61.1	62.0
90		62.0	62.0	62.0	62.0	48.9	61.1	62.0	62.0	38.0	47.5	57.0	62.0
96		62.0	62.0	62.0	62.0	45.9	57.3	62.0	62.0	35.7	44.6	53.5	62.0
54	102	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	59.6	62.0	62.0	62.0
60		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	53.7	62.0	62.0	62.0
66		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	48.8	61.0	62.0	62.0
72		62.0	62.0	62.0	62.0	57.5	62.0	62.0	62.0	44.7	55.9	62.0	62.0
78		62.0	62.0	62.0	62.0	53.1	62.0	62.0	62.0	41.3	51.6	61.9	62.0
84		62.0	62.0	62.0	62.0	49.3	61.6	62.0	62.0	38.3	47.9	57.5	62.0
90		62.0	62.0	62.0	62.0	46.0	57.5	62.0	62.0	35.8	44.7	53.7	62.0
96		60.8	62.0	62.0	62.0	43.2	53.9	62.0	62.0	33.6	41.9	50.3	58.7
54	108	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	56.3	62.0	62.0	62.0
60		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	50.7	62.0	62.0	62.0
66		62.0	62.0	62.0	62.0	59.3	62.0	62.0	62.0	46.1	57.6	62.0	62.0
72		62.0	62.0	62.0	62.0	54.3	62.0	62.0	62.0	42.3	52.8	62.0	62.0
78		62.0	62.0	62.0	62.0	50.2	62.0	62.0	62.0	39.0	48.8	58.5	62.0
84		62.0	62.0	62.0	62.0	46.6	58.2	62.0	62.0	36.2	45.3	54.3	62.0
90		61.2	62.0	62.0	62.0	43.5	54.3	62.0	62.0	33.8	42.3	50.7	59.2
96		57.4	62.0	62.0	62.0	40.8	50.9	61.1	62.0	31.7	39.6	47.5	55.5
54	114	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	53.4	62.0	62.0	62.0
60		62.0	62.0	62.0	62.0	61.8	62.0	62.0	62.0	48.0	60.0	62.0	62.0
66		62.0	62.0	62.0	62.0	56.2	62.0	62.0	62.0	43.7	54.6	62.0	62.0
72		62.0	62.0	62.0	62.0	51.5	62.0	62.0	62.0	40.0	50.0	60.0	62.0
78		62.0	62.0	62.0	62.0	47.5	59.4	62.0	62.0	36.9	46.2	55.4	62.0
84		62.0	62.0	62.0	62.0	44.1	55.2	62.0	62.0	34.3	42.9	51.5	60.0
90		58.0	62.0	62.0	62.0	41.2	51.5	61.8	62.0	32.0	40.0	48.0	56.0
96		54.4	62.0	62.0	62.0	38.6	48.3	57.9	62.0	30.0	37.5	45.0	52.5
54	120	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	50.7	62.0	62.0	62.0
60		62.0	62.0	62.0	62.0	58.7	62.0	62.0	62.0	45.6	57.0	62.0	62.0
66		62.0	62.0	62.0	62.0	53.4	62.0	62.0	62.0	41.5	51.9	62.0	62.0
72		62.0	62.0	62.0	62.0	48.9	61.1	62.0	62.0	38.0	47.5	57.0	62.0
78		62.0	62.0	62.0	62.0	45.1	56.4	62.0	62.0	35.1	43.9	52.7	61.4
84		59.0	62.0	62.0	62.0	41.9	52.4	62.0	62.0	32.6	40.7	48.9	57.0
90		55.1	62.0	62.0	62.0	39.1	48.9	58.7	62.0	30.4	38.0	45.6	53.2
96		51.7	62.0	62.0	62.0	36.7	45.9	55.0	62.0	28.5	35.7	42.8	49.9
54	132	62.0	62.0	62.0	62.0	59.3	62.0	62.0	62.0	46.1	57.6	62.0	62.0
60		62.0	62.0	62.0	62.0	53.4	62.0	62.0	62.0	41.5	51.9	62.0	62.0
66		62.0	62.0	62.0	62.0	48.5	60.6	62.0	62.0	37.7	47.1	56.6	62.0
72		62.0	62.0	62.0	62.0	44.5	55.6	62.0	62.0	34.6	43.2	51.9	60.5
78		57.8	62.0	62.0	62.0	41.0	51.3	61.6	62.0	31.9	39.9	47.9	55.8
84		53.7	62.0	62.0	62.0	38.1	47.6	57.2	62.0	29.6	37.0	44.4	51.9
90		50.1	62.0	62.0	62.0	35.6	44.5	53.4	62.0	27.7	34.6	41.5	48.4
93-1/2		48.2	60.3	62.0	62.0	34.2	42.8	51.4	59.9	26.6	33.3	39.9	46.6
96		47.0	58.7	62.0	62.0	33.3	41.7	50.0	58.4	25.9	32.4	38.9	45.4
54	145-7/16	62.0	62.0	62.0	62.0	53.8	62.0	62.0	62.0	41.8	52.3	62.0	62.0
60		62.0	62.0	62.0	62.0	48.4	60.5	62.0	62.0	37.7	47.1	56.5	62.0
66		62.0	62.0	62.0	62.0	44.0	55.0	62.0	62.0	34.2	42.8	51.3	59.9
72		56.8	62.0	62.0	62.0	40.4	50.4	60.5	62.0	31.4	39.2	47.1	54.9
78		52.5	62.0	62.0	62.0	37.2	46.6	55.9	62.0	29.0	36.2	43.4	50.7
84		48.7	60.9	62.0	62.0	34.6	43.2	51.9	60.5	26.9	33.6	40.3	47.1
90		45.5	56.8	62.0	62.0	32.3	40.4	48.4	56.5	25.1	31.4	37.7	43.9
93-1/2		43.8	54.7	62.0	62.0	31.1	38.8	46.6	54.4	24.2	30.2	36.2	42.3

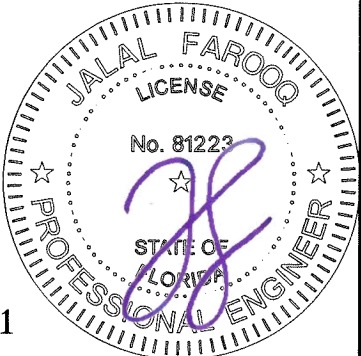
SEE CHART ON SHEET 4 FOR DESIGN LOAD CAPACITY OF
DESIRED GLASS SIZE AND REINFORCING TYPES.

SEE CHART ABOVE FOR HEAD ANCHOR CAPACITY.

LOWER DESIGN PRESSURES FROM DESIGN LOAD CHART
OR HEAD ANCHOR CHART WILL APPLY TO ENTIRE SYSTEM.

Sealed: 8/17/2026

FL #48381



a f c

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

ALFA 85 ST. STEEL SLIDING GLASS DOOR (L.M.I.)

Brombal Serramenti S.R.L.
Via Vallà, 24,
Caselle (TV), Italy 31030
Tel. +39 0423 566189

revisions:

no	date	by	description

date: 09-02-25

scale: 3/8" = 1"

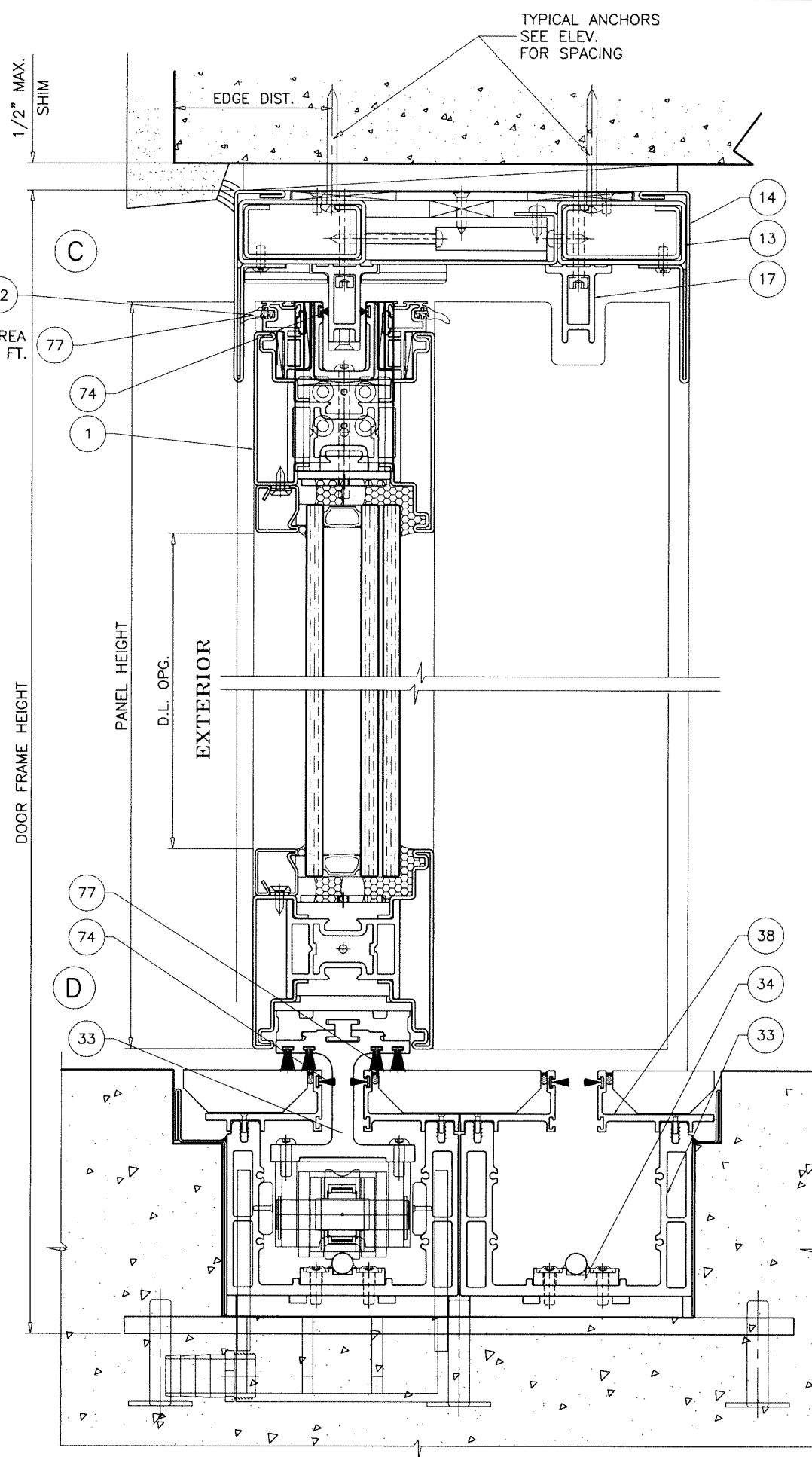
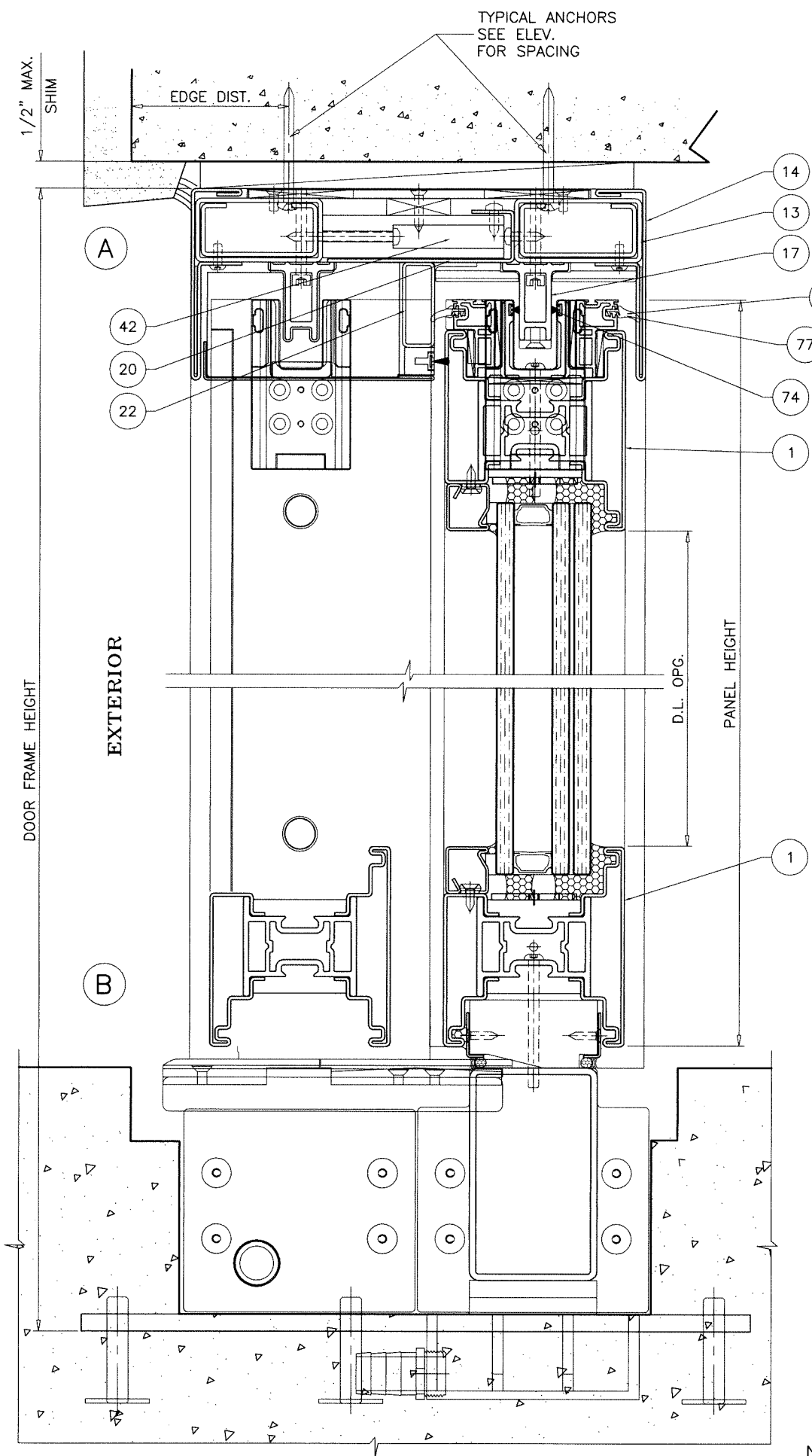
dr. by: -

chk. by:

drawing no.
25-78F

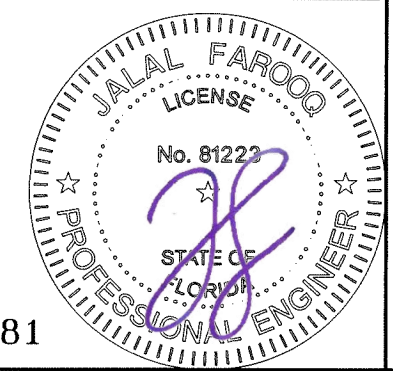
sheet 4.1 of 15

COMP-ANL 25-78F-BSS



NOTE:
DOOR SILL MUST BE EMBEDDED AND
BEAR AGAINST CONCRETE SUBSTRATE

Sealed: 8/17/2026
2 TRACK FRAMES



FL #48381

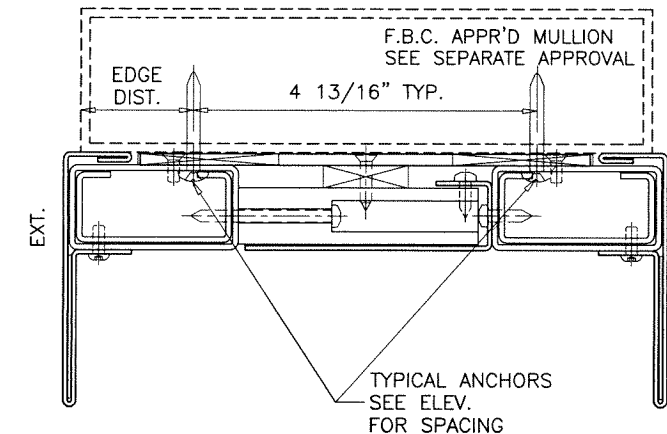
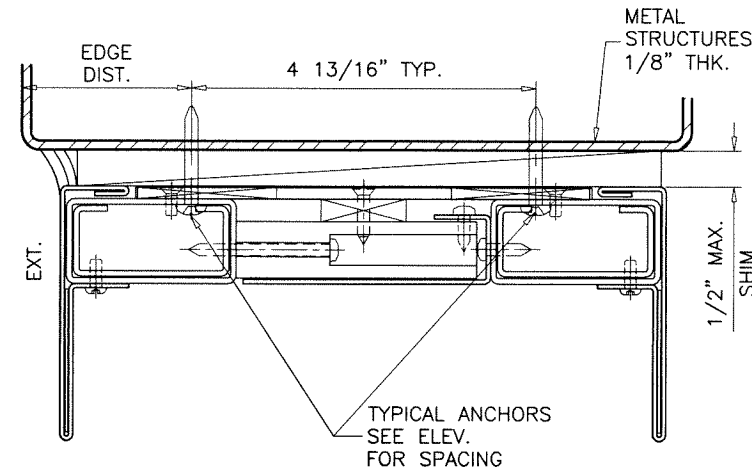
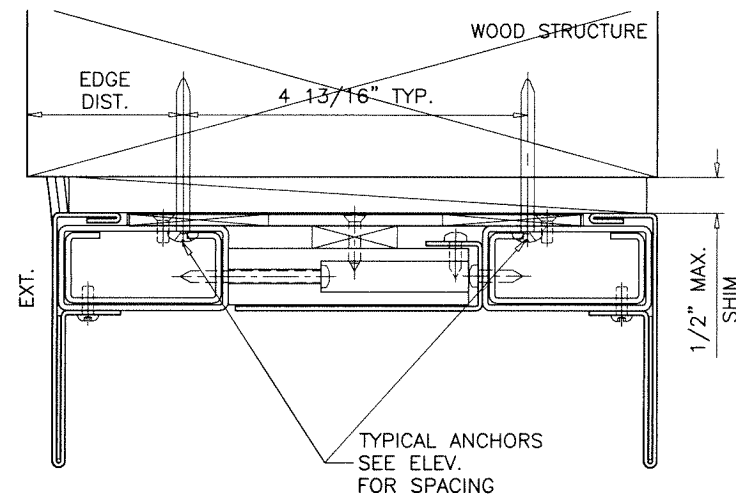
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 25-78F-BSS

Brombal Serramenti S.R.L.
Via Vallà, 24,
Caselle (TV), Italy 31030
Tel. +39 0423 566189

Revisions:		date		by description	
no	date	no	date	no	date

date: 09-02-25
scale: 3/8" = 1"
dr. by: -
chk. by: -

drawing no.
25-78F
sheet 5 of 15



1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'BROMBAL' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'— 1/4" X 2-3/4" ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
 THRU 1BY WOOD BUCKS INTO CONC. OR BLOCKS
 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-3/4" MIN. EMBED INTO CONC. OR GROUT-FILLED BLOCKS (JAMBS)
 DIRECTLY INTO CONC. OR BLOCKS
 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-3/4" MIN. EMBED INTO GROUT-FILLED BLOCKS (JAMBS)

TYPE 'B'— 1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES (HEAD/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)

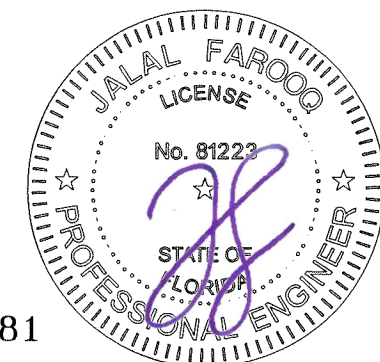
TYPICAL EDGE DISTANCE

INTO CONCRETE AT HEAD/SILL = 1-1/2" MIN.
 INTO CONCRETE AND BLOCKS AT JAMBS = 1-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 GROUT-FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

Sealed: 8/17/2026

2 TRACK FRAMES

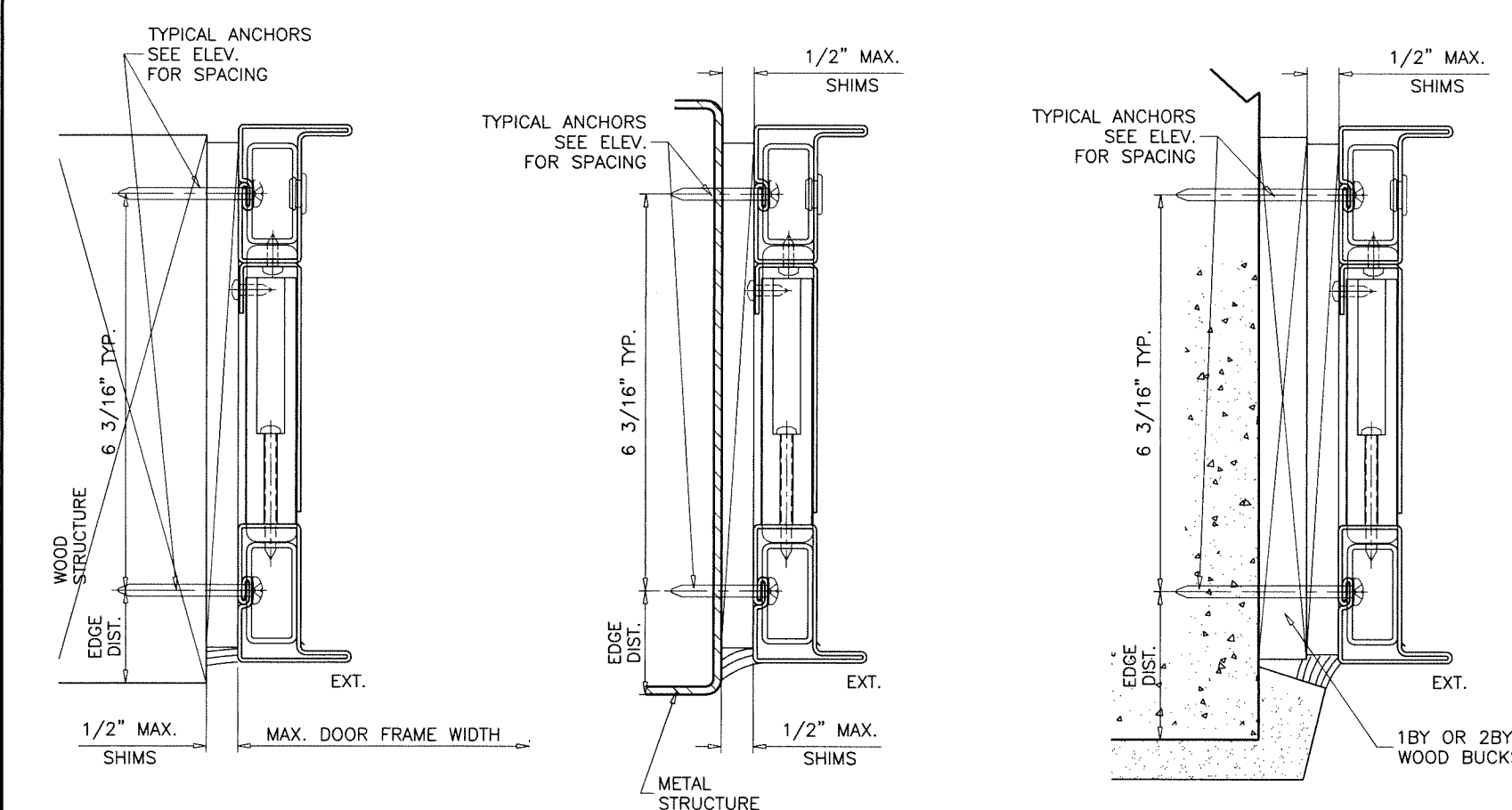
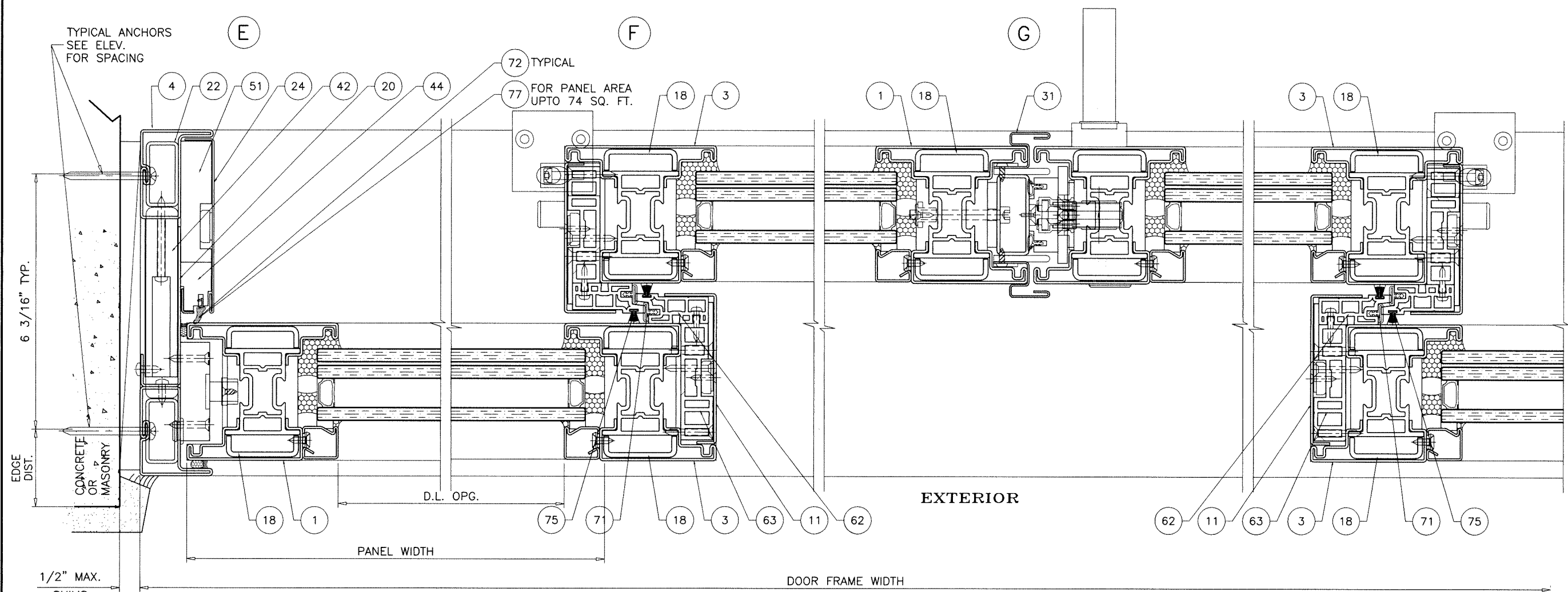


FL #48381

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 25-78F-BSS

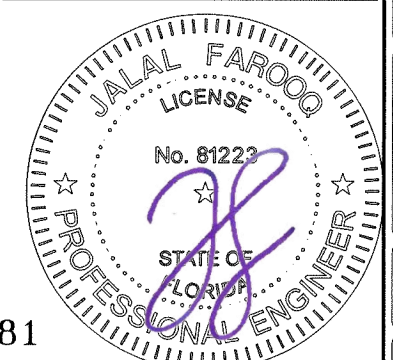
ALFA 85 ST. STEEL SLIDING GLASS DOOR (L.M.I.)
Brombal Serramenti S.R.L.
 Via Vallà, 24,
 Caselle (TV), Italy 31030
 Tel. +39 0423 566189

revisions:		no		date		by		description	
date:	09-02-25	scale:	3/8" = 1"	dr.	by:	chk.	by:	drawing no.	
								25-78F	
								sheet 6 of 15	



Sealed: 8/17/2026

2 TRACK FRAMES



FL #48381

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL 25-78F-BSS

ALFA 85 ST. STEEL SLIDING GLASS DOOR (L.M.I.)
Brombal Serramenti S.R.L.
 Via Vallà, 24,
 Caselle (TV), Italy 31030
 Tel. +39 0423 566189

revisions:		no		date		by		description	
date:	09-02-25	scale:	3/8" = 1"	dr. by:		chk. by:		drawing no.	25-78F
								sheet 7 of 15	

HOOK STRIP ANCHORS:

1/4" DIA. ULTRACON BY 'DEWALT' (Fu=164 KSI, Fy=117 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR FILLED BLOCKS
1-3/4" MIN. EMBED INTO CONC. OR BLOCKS

DIRECTLY INTO CONC. OR FILLED BLOCKS
1-3/4" MIN. EMBED INTO CONC. OR BLOCKS

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)

INTO METAL STRUCTURES

(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
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)

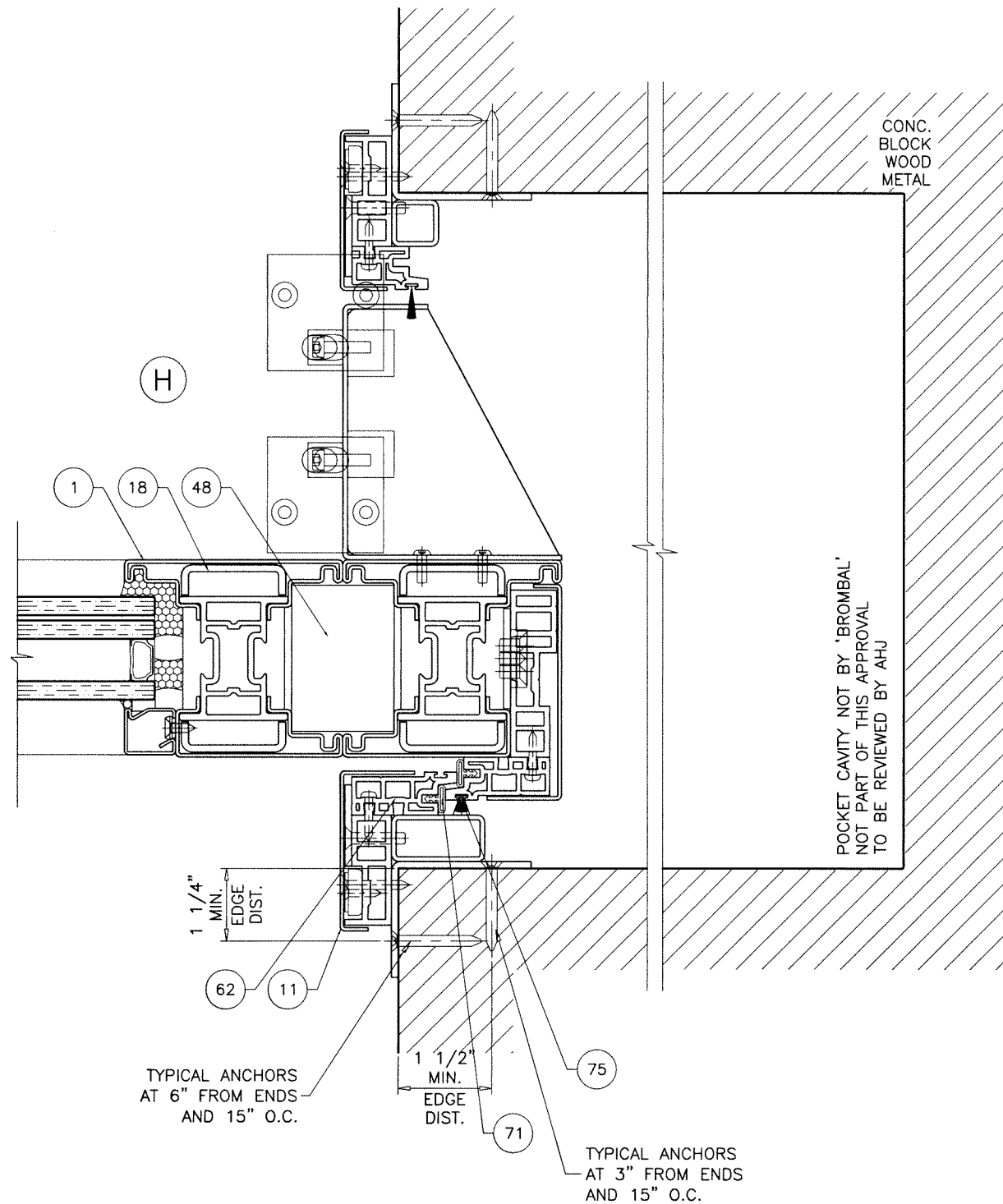
ANCHOR EDGE DISTANCES

INTO CONCRETE OR BLOCKS = 1-1/4" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT JAMBS SG = 0.55 MIN.

CONCRETE AT JAMBS f'c = 3000 PSI MIN.

C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



POCKETED JAMB OPTION

2 TRACK FRAMES



Sealed: 8/17/2026

FL #48381

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)

ALFA 85 ST. STEEL SLIDING GLASS DOOR (L.M.I.)

Brombal Serramenti S.R.L.

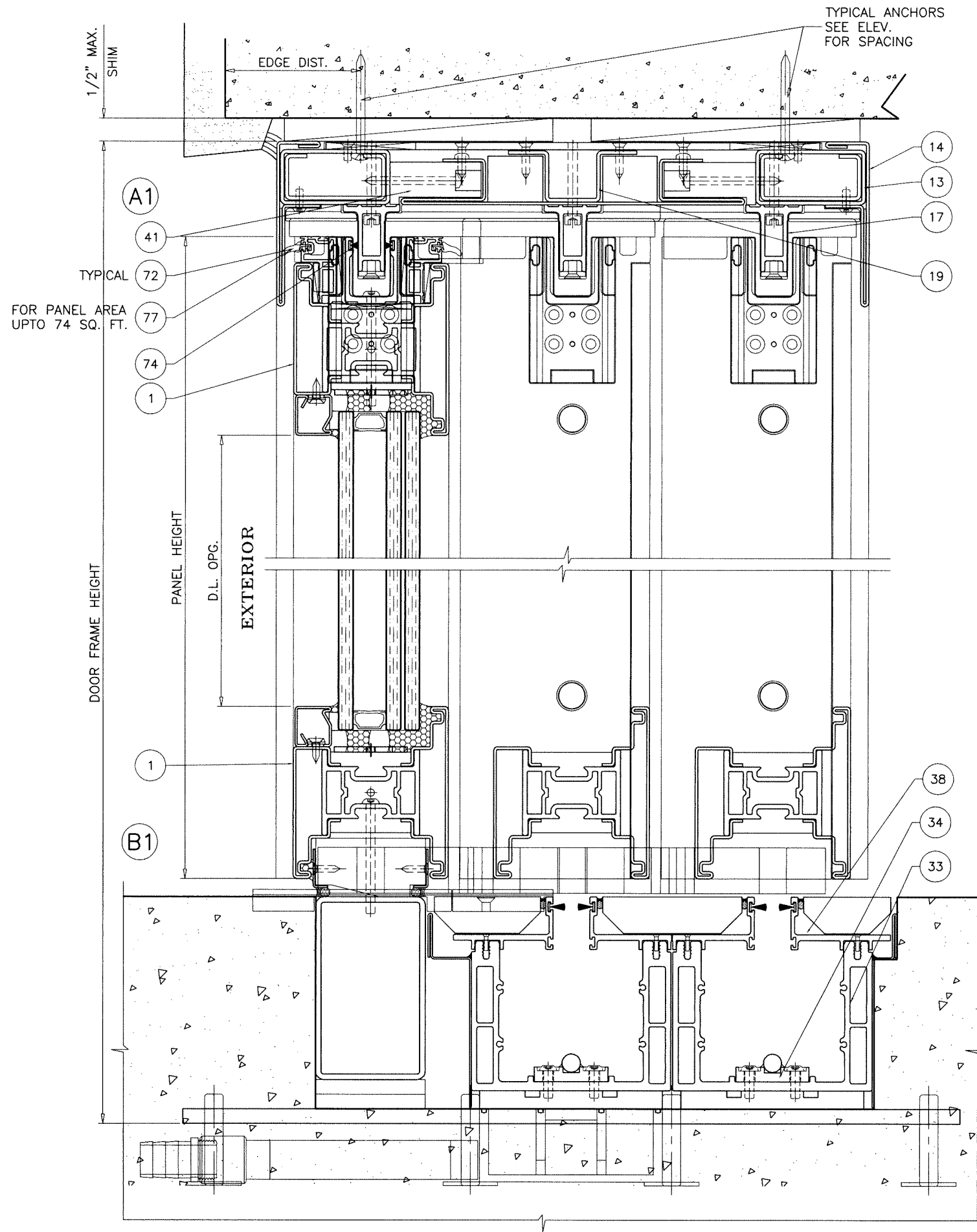
Via Vallà, 24,

Caselle (TV), Italy 31030

Tel. +39 0423 566189

Revisions:		no		date		by		description	
date:		09-02-25		scale:		3/8" = 1"		dr. by:	
drawing no.		25-78F		sheet		8 of 15		chk. by:	

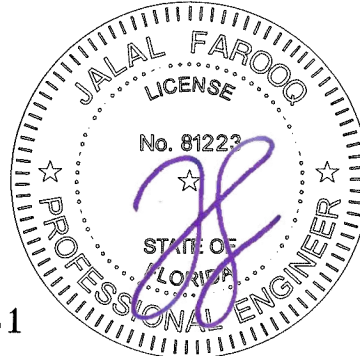
COMP-ANL\25-78F-BSS



NOTE:
DOOR SILL MUST BE EMBEDDED AND
BEAR AGAINST CONCRETE SUBSTRATE

Sealed: 8/17/2026

3 TRACK FRAMES

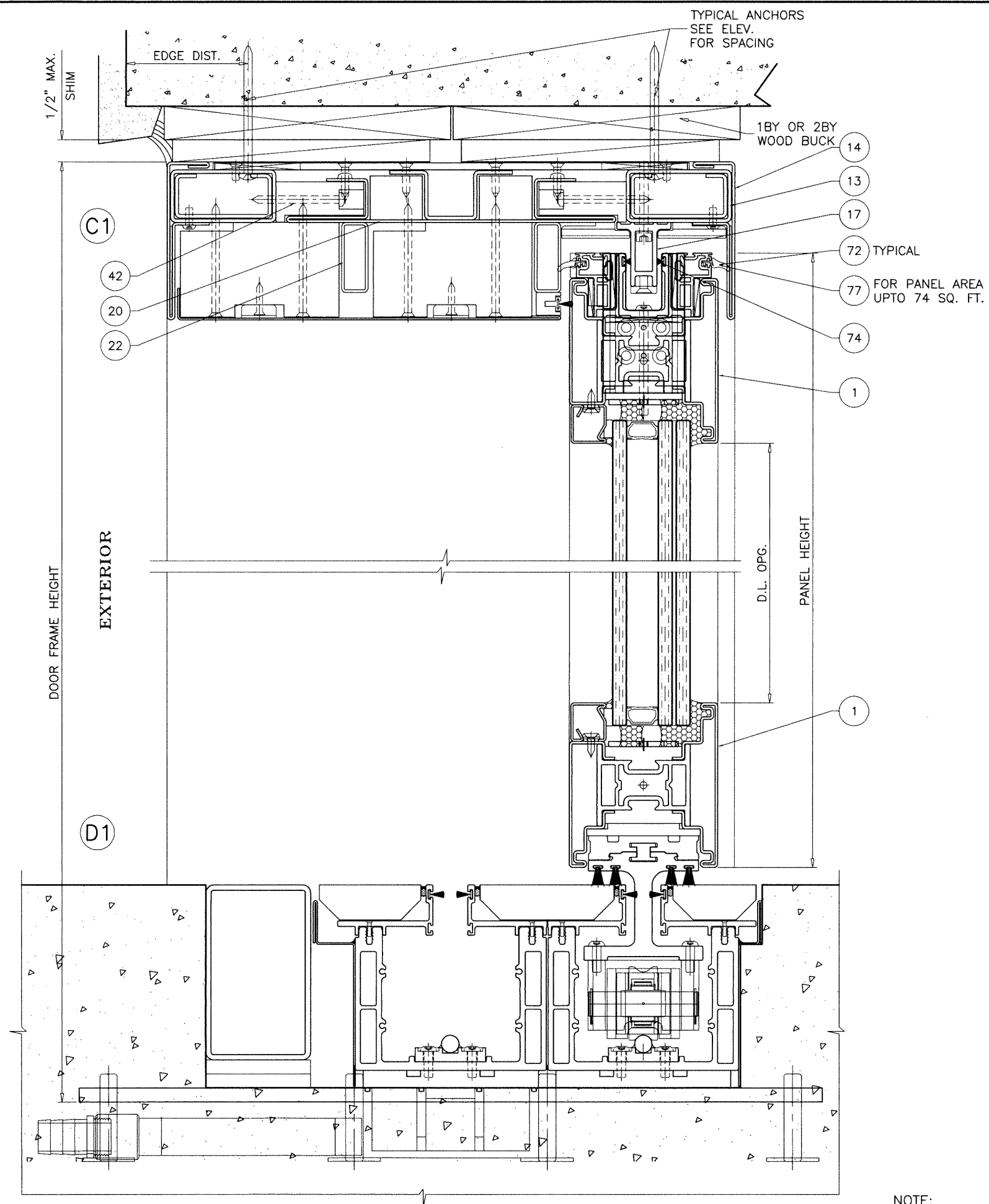


FL #48381

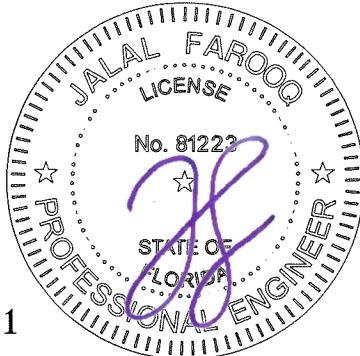
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 25-78F-BSS

ALFA 85 ST. STEEL SLIDING GLASS DOOR (L.M.I.)
Brombal Serramenti S.R.L.
Via Vallà, 24,
Caselle (TV), Italy 31030
Tel. +39 0423 566189

revisions:		no		date		by		description	
date:	09-02-25	scale:	3/8" = 1"	dr. by:	-	chk. by:		drawing no.	25-78F
								sheet 9 of 15	



Sealed: 8/17/2026



a f c
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



3 TRACK FRAMES

Brombal Serramenti S.R.L.
Via Vallà, 24,
Caselle (TV), Italy 31030
Tel. +39 0423 566189

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\25-78F-BSS

date: 09-02-25

scale: $\frac{3}{8}'' = 1''$

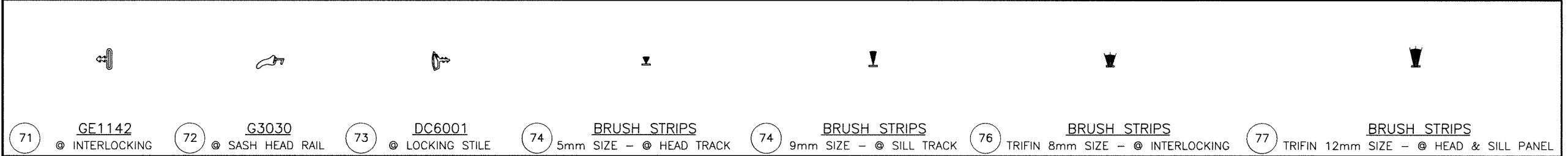
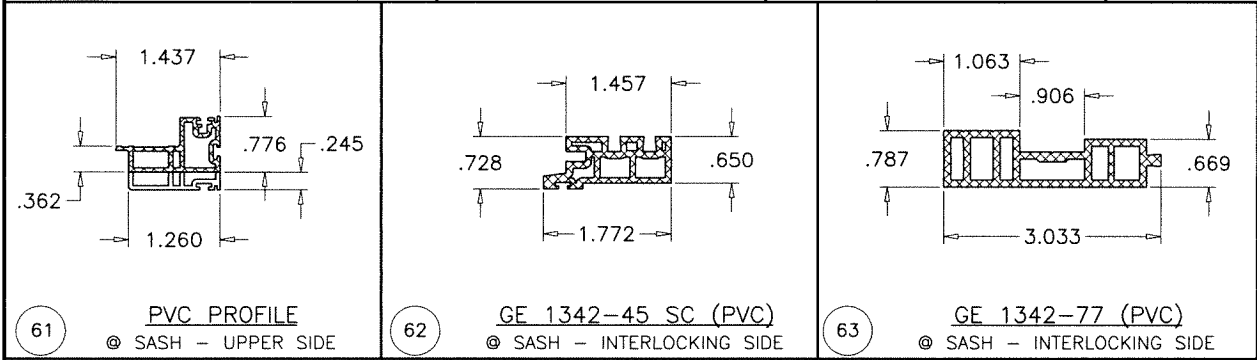
dr. by: —

chkh. by:

revisions:	no	date

drawing no.
25-78F

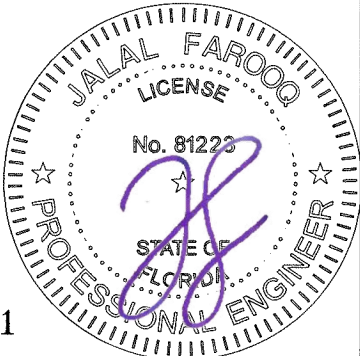
sheet 12 of 15



AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978 a f c (C.A.N. 3538)																										
COMP-ANL \ 25-78F-BSS																										
ALFA 85 ST. STEEL SLIDING GLASS DOOR (L.M.I.)																										
Brombal Serramenti S.R.L. Via Vallà, 24, Caselle (TV), Italy 31030 Tel. +39 0423 566189																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%;">revisions:</th> <th style="width: 20%;">no</th> <th style="width: 20%;">date</th> <th style="width: 30%;">by</th> <th style="width: 20%;">description</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>		revisions:	no	date	by	description																				
revisions:	no	date	by	description																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">date: 09-02-25</td> <td style="width: 30%;">scale: 3/8" = 1"</td> <td style="width: 30%;">dr. by: -</td> <td style="width: 10%;">chk. by:</td> </tr> </table>		date: 09-02-25	scale: 3/8" = 1"	dr. by: -	chk. by:																					
date: 09-02-25	scale: 3/8" = 1"	dr. by: -	chk. by:																							
drawing no. 25-78F																										
sheet 14 of 15																										

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	P1105	—	SASH MEMBER ALFA 85 — P1105 AT JAMB, SILL & HEAD	S. STEEL/PLU	—
2	P1103	—	SASH MEMBER ALFA 85 — P1103 AT JAMB	S. STEEL/PLU	—
3	P1102	—	SASH MEMBER ALFA 85 — P1102 AT JAMB	S. STEEL/PLU	—
4	P3101	—	FRAME MEMBER ALFA 85 — P3101 AT JAMB	S. STEEL	—
11	—	—	METAL SHEET SASH MEMBER 1.5mm THK. AT INTERLOCKING	S. STEEL	—
12	—	—	METAL SHEET SASH MEMBER 2mm THK. AT POCKET	S. STEEL	—
13	—	—	METAL TUBE FRAME MEMBER 60X30X2mm THK. AT HEAD	S. STEEL	—
14	—	—	METAL SHEET FRAME MEMBER 1.5mm THK. AT HEAD	S. STEEL	—
15	—	—	METAL PLATE INTERNAL REINFORCEMENT 38X3mm THK.	S. STEEL	—
16	—	—	PANEL TRACK — HEAD SLIDE TRACK	ALUMINUM	—
17	—	—	FRAME TRACK — HEAD SLIDE TRACK	ALUMINUM	—
18	—	—	METAL SHEET INTERNAL REINFORCEMENT 45X13X3mm THK.	S. STEEL	—
19	—	—	METAL SHEET FRAME MEMBER 2mm THK. AT HEAD	S. STEEL	—
20	—	—	METAL SHEET FRAME MEMBER 1.5mm THK. AT JAMB+HEAD — 2 TRACK	S. STEEL	—
21	—	—	METAL SHEET FRAME MEMBER 1.5mm THK. AT JAMB+HEAD — 3 TRACK	S. STEEL	—
22	—	—	METAL TUBE FRAME MEMBER 40X15X2mm THK. AT HEAD	S. STEEL	—
23	—	—	METAL SHEET FRAME MEMBER 1.5mm THK. AT JAMB — 3 TRACK	S. STEEL	—
24	—	—	METAL SHEET FRAME MEMBER 1.5mm THK. AT JAMB+HEAD	S. STEEL	—
31	—	—	COMPOSITE THERMAL BREAK PROFILE AT JAMB SASH STILE	PE	—
32	—	—	COMPOSITE THERMAL BREAK PROFILE AT CORNER SASH STILE	PE	—
33	—	—	PANEL TRACK — AT SILL — TROLLEY SUPPORT	ALUMINUM	—
34	—	—	PANEL TRACK — AT SILL	ALUMINUM	—
35	—	—	METAL PLATE REINFORCEMENT	S. STEEL	—
36	—	—	METAL PLATE REINFORCEMENT	S. STEEL	—
41	—	—	FRAME THERMAL BREAK PROFILE AT HEAD+JAMB — 3 TRACK	PE	—
42	—	—	FRAME THERMAL BREAK PROFILE AT HEAD+JAMB — 2 TRACK	PE	—
43	—	—	FRAME THERMAL BREAK BRUSH SUPPORT PROFILE AT HEAD	PE	—
44	—	—	FRAME THERMAL BREAK BRUSH SUPPORT PROFILE AT JAMB	PE	—
45	—	—	FRAME THERMAL BREAK GASKET SUPPORT PROFILE AT JAMB	PE	—
46	—	—	FRAME THERMAL BREAK GASKET SUPPORT PROFILE AT LOCKING STILE	PE	—
51	—	—	FRAME THERMAL BREAK SUPPORT PROFILE AT JAMB	PU	—
52	—	—	FRAME THERMAL BREAK PROFILE AT HEAD	PU	—
53	—	—	FRAME THERMAL BREAK CEILING SUPPORT PROFILE AT HEAD	PU	—
61	—	—	SASH THERMAL BREAK BRUSH SUPPORT PROFILE AT HEAD TRACK	PVC	—
62	—	—	SASH THERMAL BREAK GASKET SUPPORT PROFILE AT INTERLOCKING	PVC	—
63	—	—	SASH THERMAL BREAK PROFILES AT INTERLOCKING	PVC	—
71	—	—	GASKET AT INTERLOCKING	EPDM	—
72	—	—	SASH GASKET AT HEAD TRACK	EPDM	—
73	—	—	SASH GASKET AT JAMB	EPDM	—
74	—	—	BRUSH STRIP AT HEAD, SILL AND JAMB	PVC	—
81	—	—	'GU' HARDWARE KIT 6-30019-28-0-5 GR28 INCLUDING CREMONE LOCK HARDWARE	—	—
82	—	—	'GU' CREMONE EXTENSION 6-32030-00-0-5	—	—
83	—	—	TROLLEY SYSTEM FOR SLIDING OPENING AT SILL TRACK	S. STEEL	—
84	—	—	ADDITIONAL SURFACE BOLT AT SASH-INTERLOCKING SIDE	S. STEEL	—
85	—	—	SLIDING BLOCK AT SASH UPPER SIDE	PE	—
86	—	—	RUBBER PAD STRIKES AT SILL TRACK	BRASS	—
87	—	—	RUBBER PAD SUPPORTS	PE	—
88	—	—	RUBBER PADS	EXP. PUR	—
89	—	—	COUNTERSUNK POT MAGNET Ø20 WITH METAL SHEET THK. 0.1"	—	—
90	—	—	SILL TRACK ASSEMBLY FOR SLIDING AND RAIN DRAINAGE	VARIES	—
91	—	—	GLAZING BEAD	S. STEEL	—
92	—	—	SETTING BLOCKS, AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
—	—	—	—	—	—

Sealed: 8/17/2026



FL #48381

**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)

ALFA 85 ST. STEEL SLIDING GLASS DOOR (L.M.I.)
Brombal Serramenti S.R.L.
Via Vallà, 24,
Caselle (TV), Italy 31030
Tel. +39 0423 566189

revisions:

no	date	by	description

date: 09-02-25	scale: 3/8" = 1"	dr. by: —	chk. by: —
----------------	------------------	-----------	------------

drawing no.	25-78F
sheet 15 of 15	