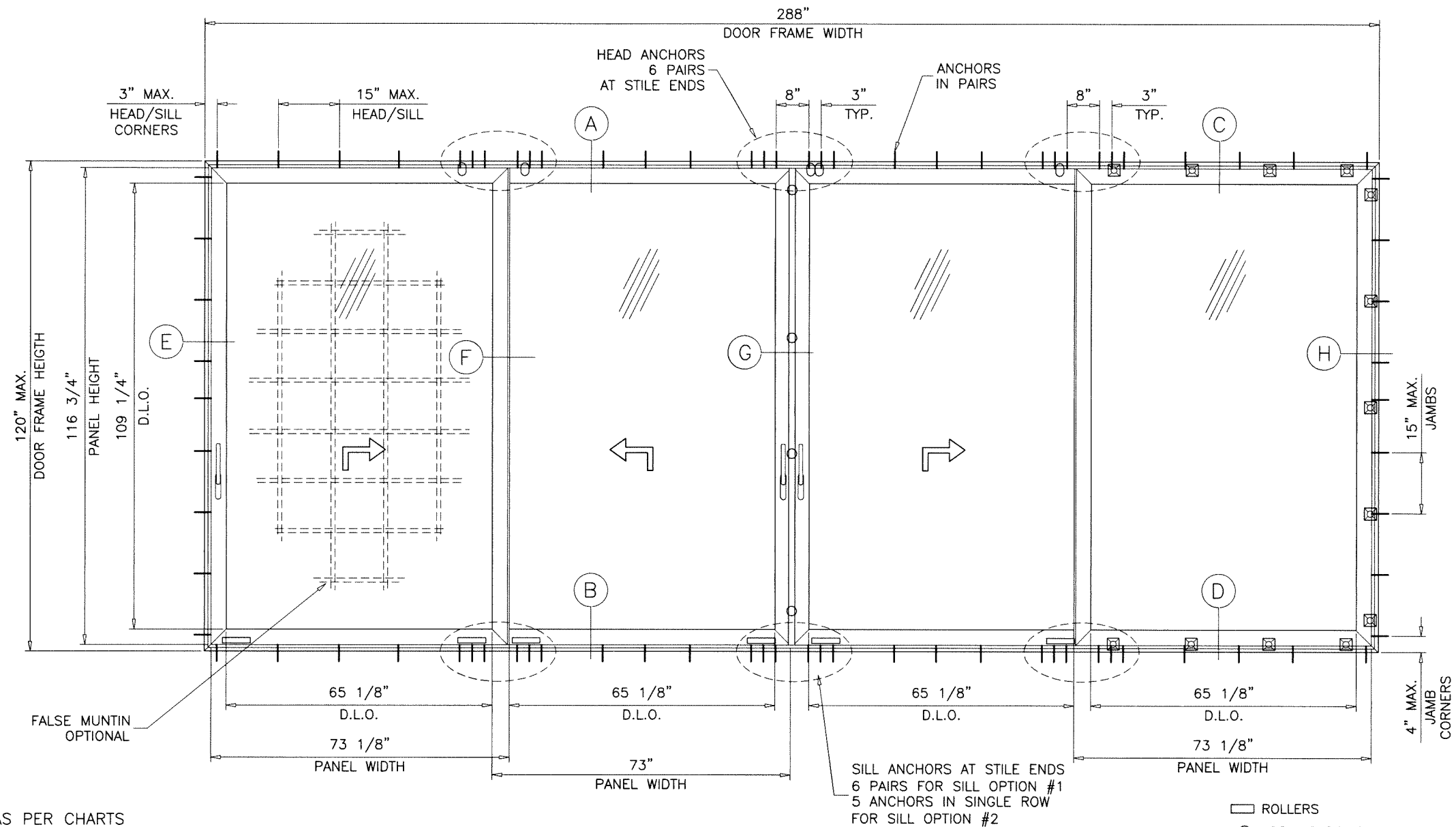




SERIES S700
LIFT & SLIDE ALUMINUM GLASS DOOR

DESIGN LOAD RATING FOR THESE DOORS TO BE AS PER CHARTS SHOWN ON SHEET 2 AND APPROVED CONFIGURATIONS SHOWN ON SHEET 3.

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.

TYPICAL ELEVATION
 TESTED UNIT

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

Sealed: 5/23/2024

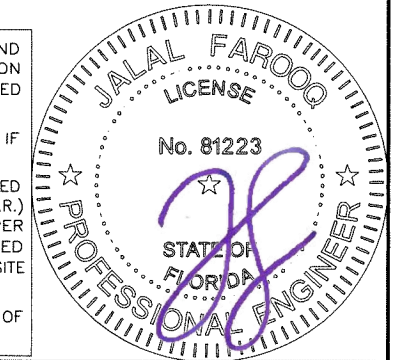
FL #46742

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
 FBPE #3538

SERIES S700 LIFT & SLIDE ALUM DOOR (L.M.I.)

PROF AL
 1 Building, Silknyan New Highway
 0088, Yerevan, Armenia
 Tel. +374 (12) 999000
 www.profal.am

revisions:	no	date	by	description

date: 04-29-24

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

dr. by: TARIQ

chk. by:

drawing no.

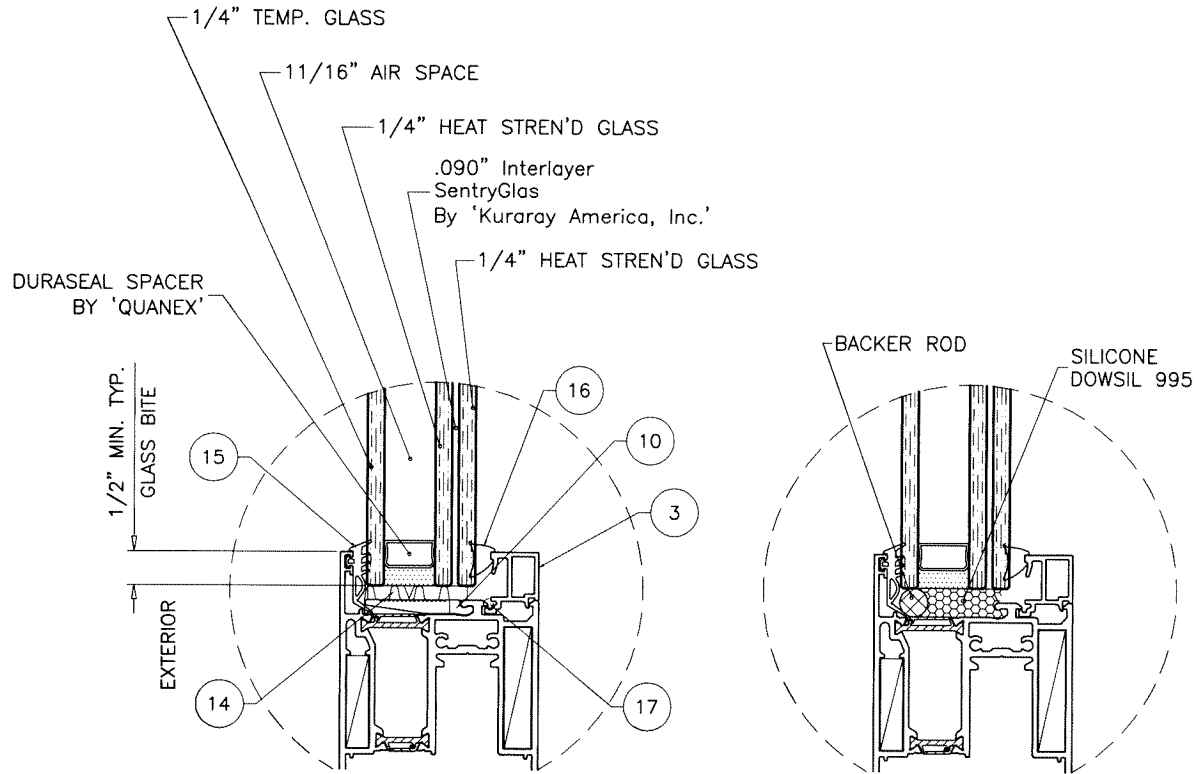
24-26F

sheet 1 of 7

DESIGN LOAD CAPACITY - PSF			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	INSUL. LAM. GLASS	
		EXT.(+)	INT.(-)
30	108	60.0	60.0
36		60.0	60.0
42		60.0	60.0
48		60.0	60.0
54		60.0	60.0
60		60.0	60.0
66		60.0	60.0
72		60.0	60.0
78		60.0	60.0
30	120	60.0	60.0
36		60.0	60.0
42		60.0	60.0
48		60.0	60.0
54		60.0	60.0
60		60.0	60.0
66		60.0	60.0
72		60.0	60.0

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

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

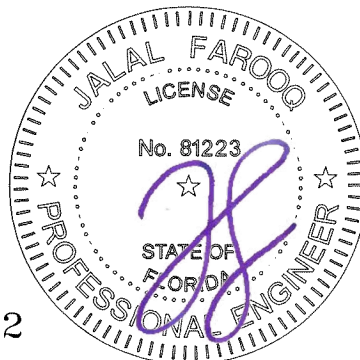


GLAZING DETAIL
1-7/16" OVERALL INSUL. LAM. GLASS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

Sealed: 5/23/2024

FL #46742

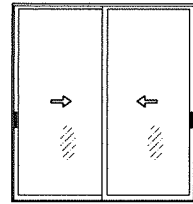


AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
FBPE #3538

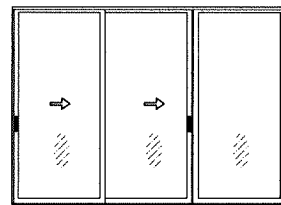
SERIES S700 LIFT & SLIDE ALUM DOOR (L.M.I.)

PROF AL
1 Building, Silikyan New Highway
0088, Yerevan, Armenia
Tel. +374 (12) 999000
www.profal.am

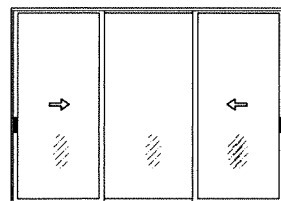
revisions:		date:		scale:		dr. by:		chk. by:	
no	date	no	date	3/8"	1"	TARIQ			
drawing no.		24-26F							
sheet		2 of 7							



XX (SHOWN)
OX
XO

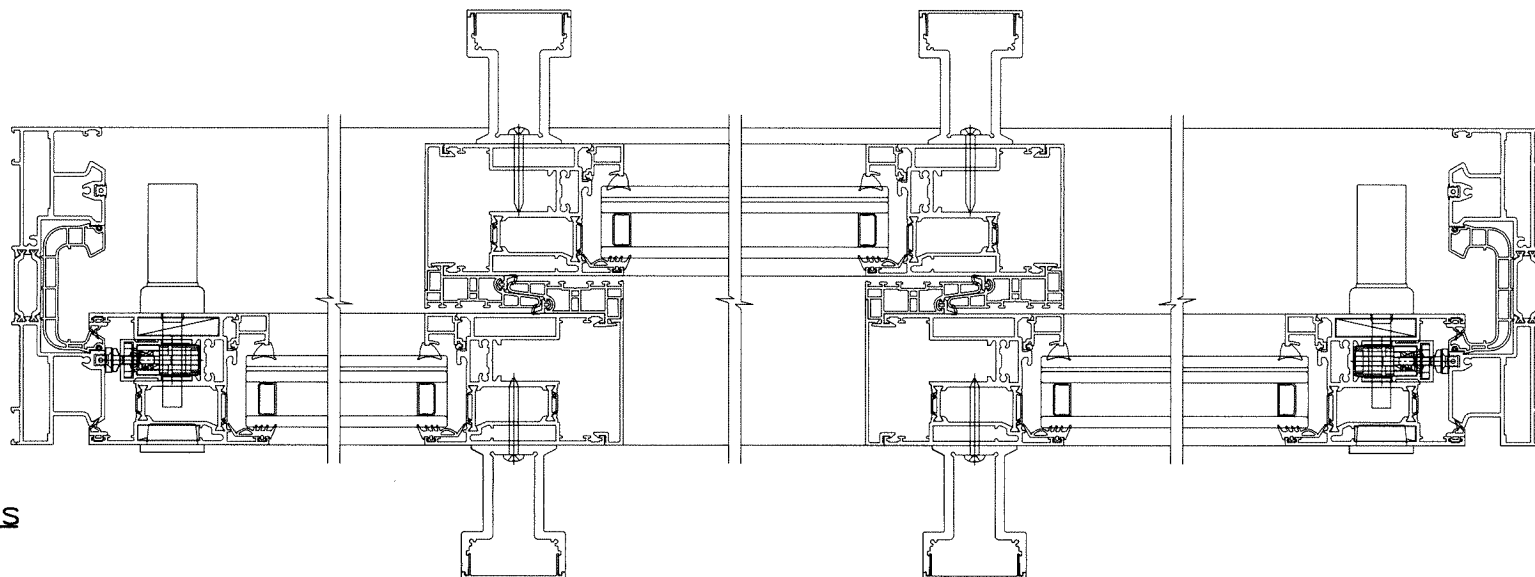
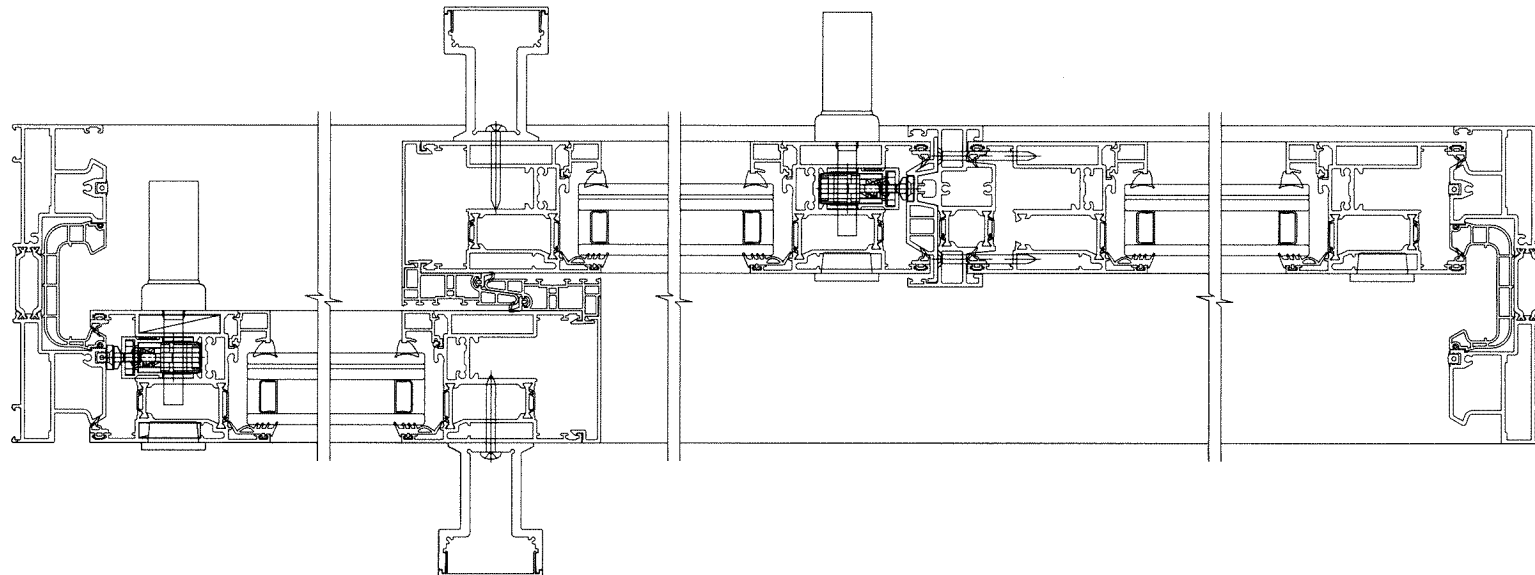
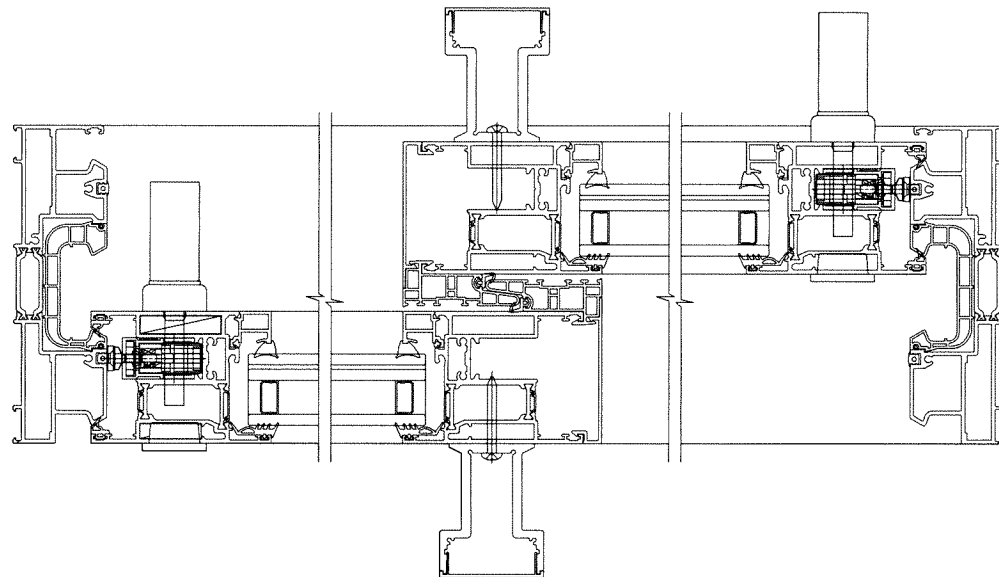


XXO (SHOWN)
OXX
XXX
OXO



XOX (SHOWN)

APPROVED CONFIGURATIONS



NOTE:

1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE SHEETS 2.
3. FOR ANCHOR DETAILS SEE SHEETS 4 THRU 6.

Sealed: 5/23/2024

FL #46742



SERIES S700 LIFT & SLIDE ALUM DOOR (L.M.I.)

PROF AL

1 Building, Silikyan New Highway
0088, Yerevan, Armenia
Tel. +374 (12) 999000
www.profal.am

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\24-26F-PRF

revisions:
no date by description

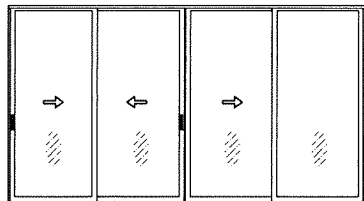
date: 04-29-24
scale: -

dr. by: TARIQ
chk. by:

drawing no.

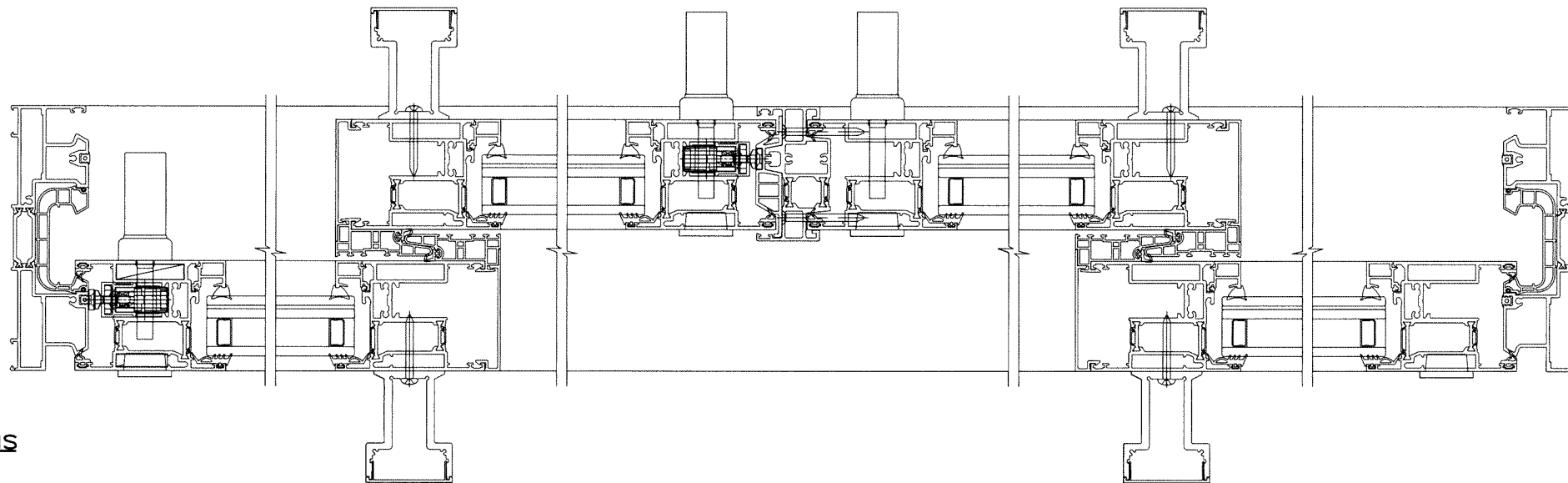
24-26F

sheet 3 of 7



XXXX (SHOWN)
XXXX
XXXX

APPROVED CONFIGURATIONS



NOTE:

1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE SHEETS 2.
3. FOR ANCHOR DETAILS SEE SHEETS 4 THRU 6.

Sealed: 5/23/2024

FL #46742



SERIES S700 LIFT & SLIDE ALUM DOOR (L.M.I.)

PROF AL

1 Building, Siikyan New Highway
0088, Yerevan, Armenia
Tel. +374 (12) 999000

www.profal.am

afc

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\24-26F-PRF

revisions:

no	date	by	description

date: 04-29-24

scale: -

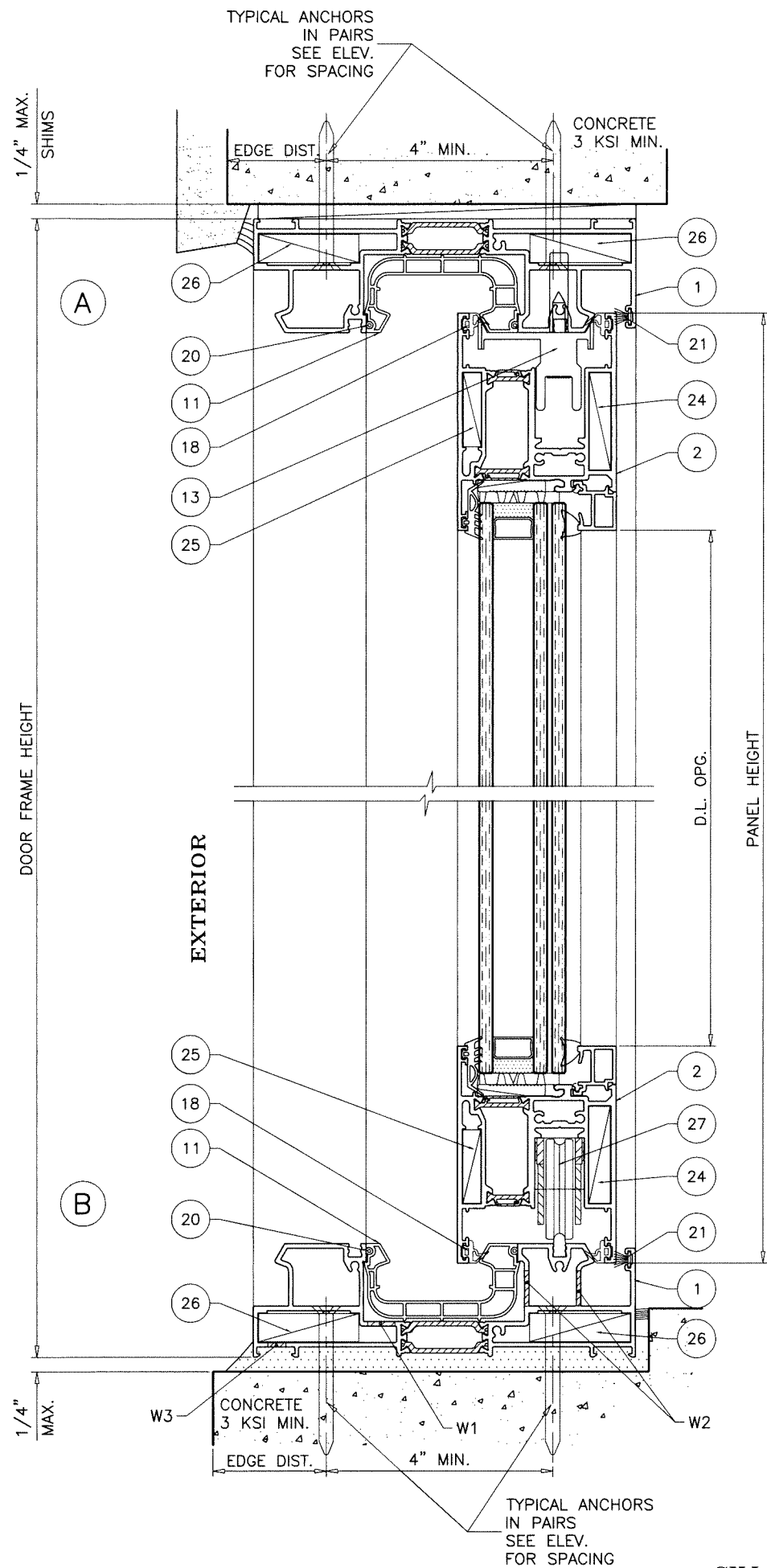
dr. by: TARIQ

chk. by:

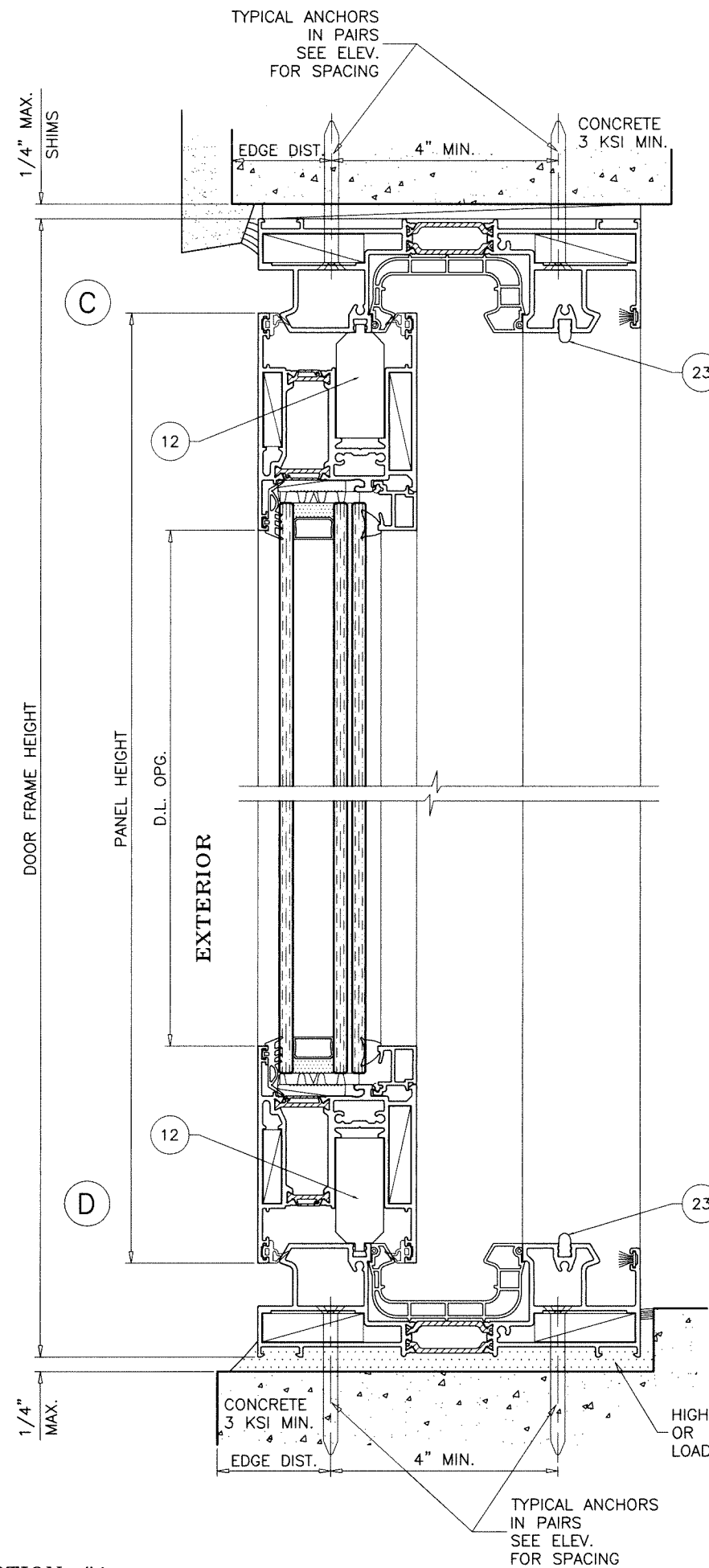
drawing no.

24-26F

sheet 3.1 of 7

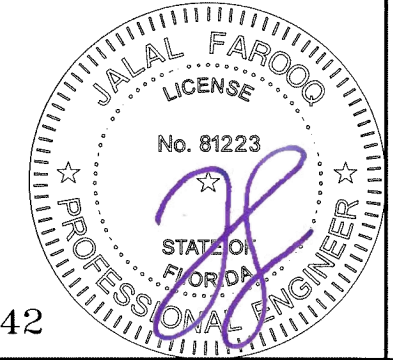


SILL OPTION #1



WEEPHOLES:

- W1 = 1/2" DIA. HOLES AT 6" FROM EACH END AND 5-1/2" O.C.
- W2 = .6" X .6" WEEP SLOTS AT EACH END
- W3 = 5/16" X 1-1/4" WEEP SLOTS AT 5" FROM EACH END AND 8" O.C.



Sealed: 5/23/2024

FL #46742

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\24-26F-PRF

SERIES S700 LIFT & SLIDE ALUM DOOR (L.M.I.)

PROF AL
1 Building, Silkyn New Highway
0088, Yerevan, Armenia
Tel. +374 (12) 999000
www.profal.am

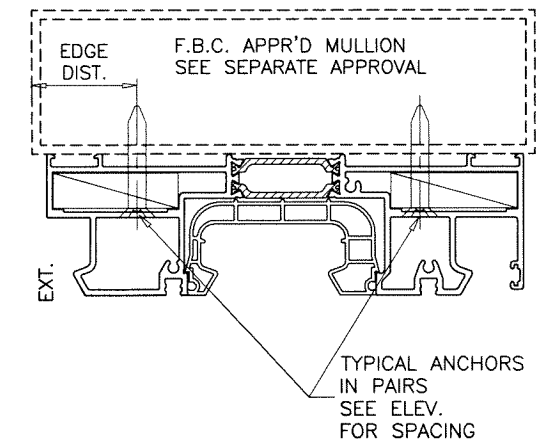
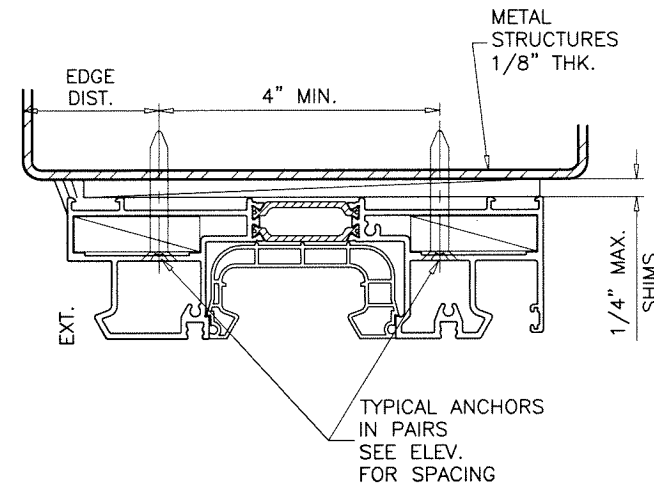
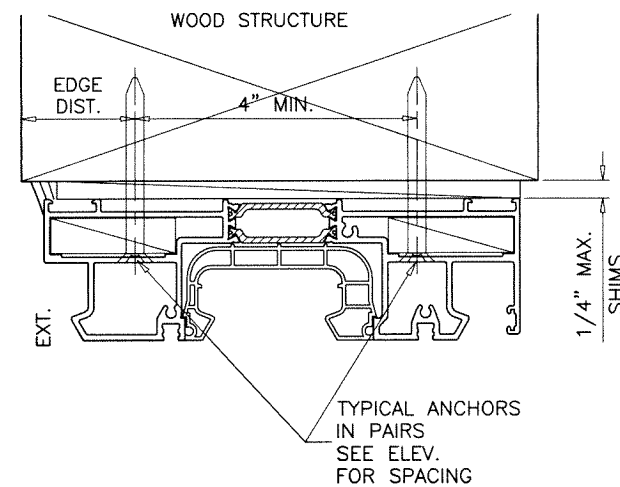
revisions:

no	date	description

date: 04-29-24
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

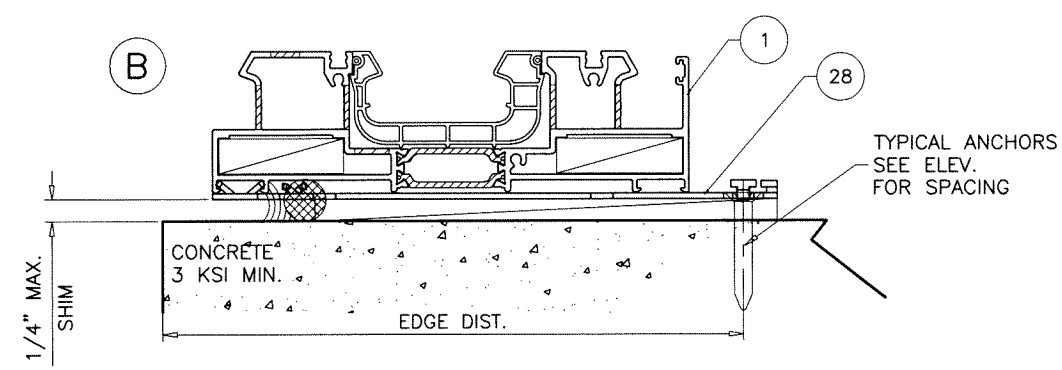
drawing no.
24-26F

sheet 4 of 7



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

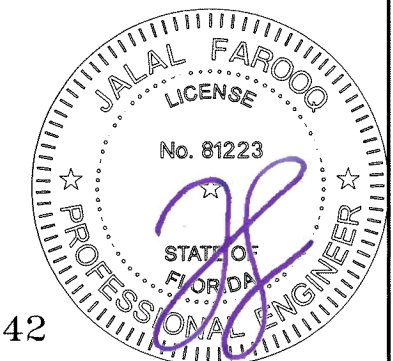
TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
 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.



SILL OPTION #2

Sealed: 5/23/2024

FL #46742



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

COMP-ANL 24-26F-PRF

SERIES S700 LIFT & SLIDE ALUM DOOR (L.M.I.)

PROF AL
 1 Building, Silkman New Highway
 0088, Yerevan, Armenia
 Tel. +374 (12) 999000
 www.profal.am

revisions:		by description	
no	date	no	date

date: 04-29-24

scale: 3/8" = 1"

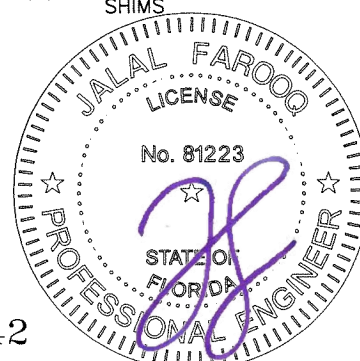
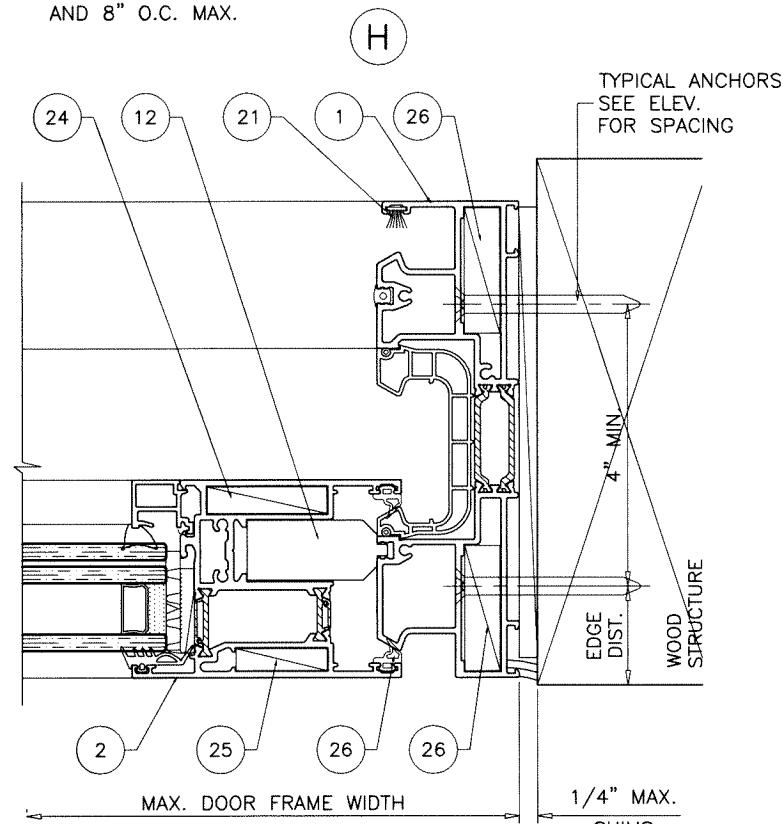
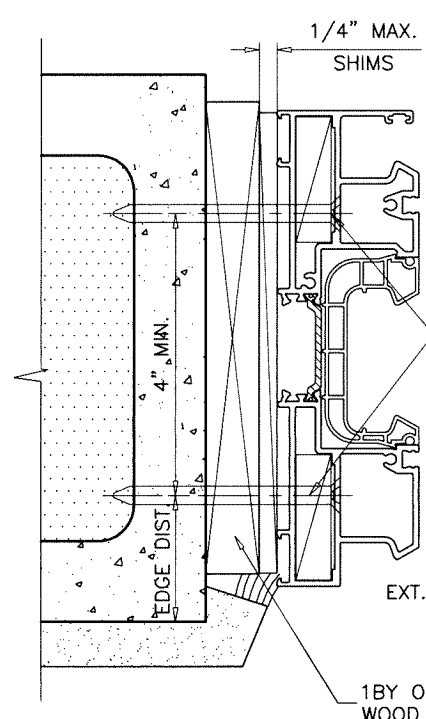
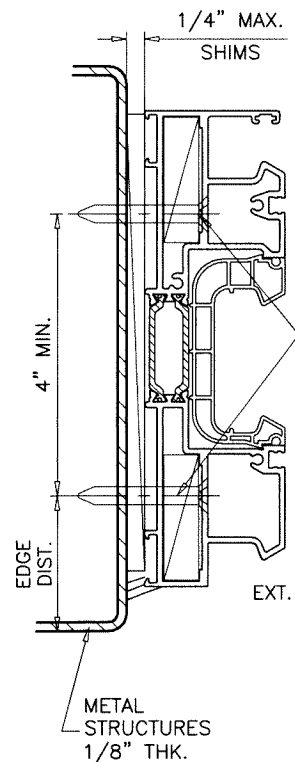
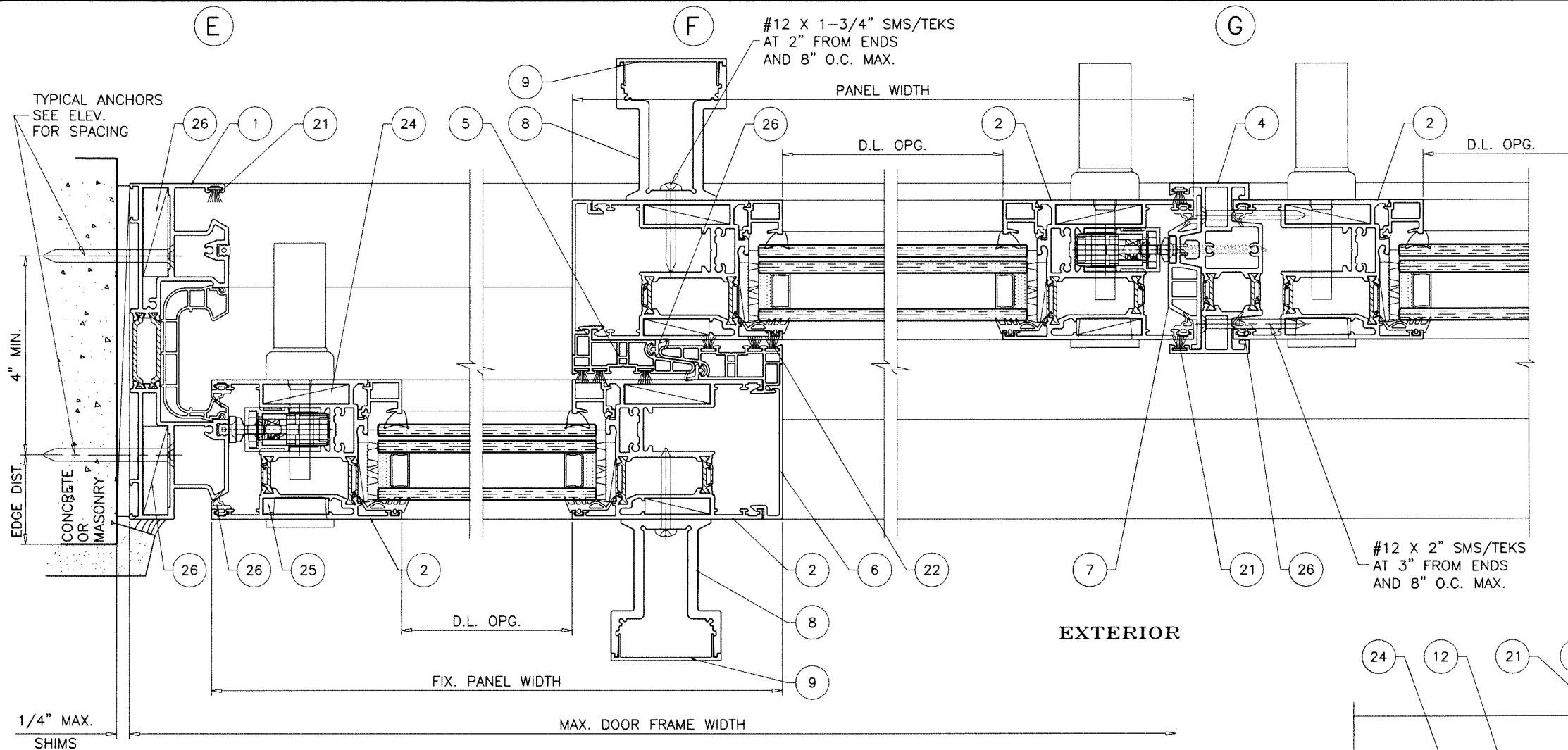
dr. by: TARIQ

chk. by:

drawing no.

24-26F

sheet 5 of 7



Sealed: 5/23/2024

FL #46742

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

COMP-ANL\24-26F-PRF

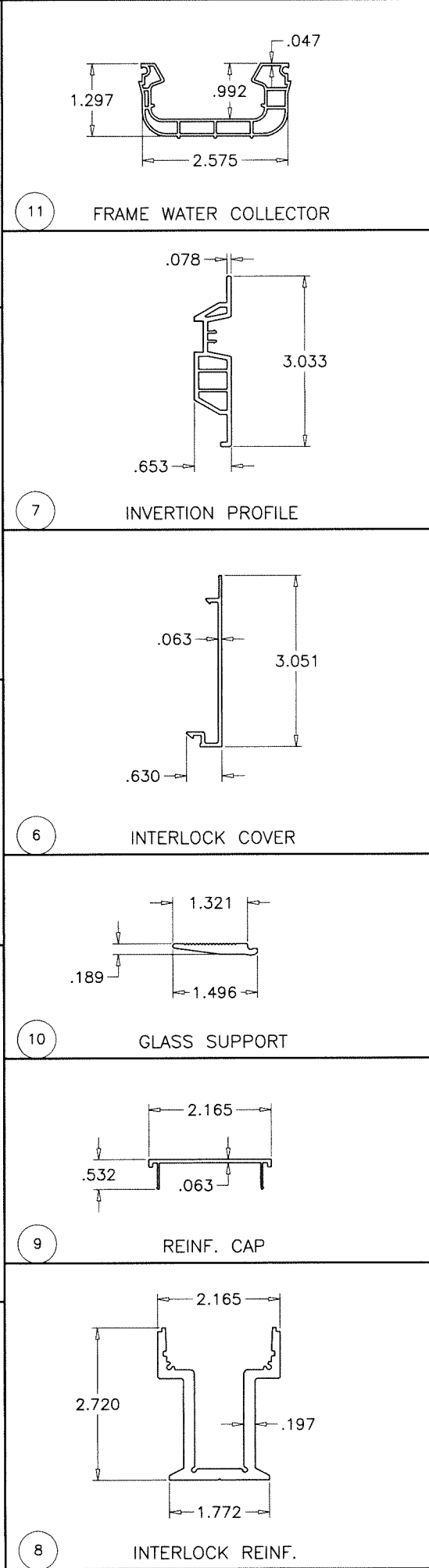
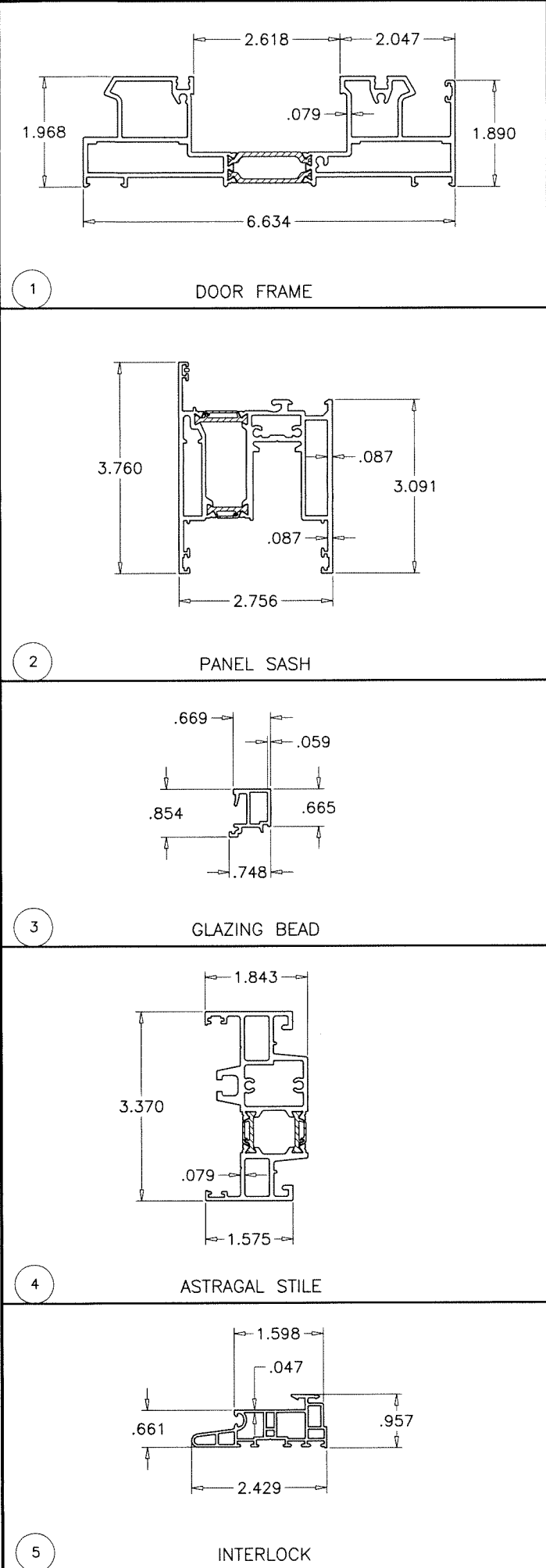
SERIES S700 LIFT & SLIDE ALUM DOOR (L.M.I.)

PROF AL
1 Building, Silikyan New Highway
0088, Yerevan, Armenia
Tel. +374 (12) 999000
www.profal.am

www.afceng.com

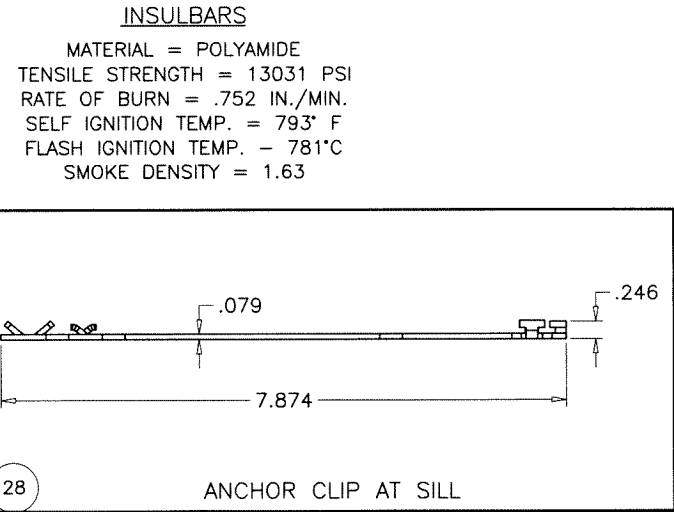
revisions:	
no	description

date: 04-29-24	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
drawing no. 24-26F			
sheet 6 of 7			



ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	S70702	1	DOOR FRAME	6060-T66	-
2	S70706	4/	PANEL SASH	6060-T66	-
3	S70772	4/	PANEL GLAZING BEAD	6060-T66	-
4	S70734	AS REQD.	ASTRAGAL	6060-T66	-
5	660-00-704-00	AS REQD.	INTERLOCK	6060-T66	-
6	S70704	AS REQD.	INTERLOCK COVER	6060-T66	-
7	600-00-734-00	AS REQD.	INVERTION PROFILE	PLASTIC	-
8	S70793	AS REQD.	INTERLOCK REINFORCEMENT	6060-T66	-
9	S70794	AS REQD.	REINFORCEMENT CAP	6060-T66	-
10	660-00-717-00	AS REQD.	GLASS SUPPORT	6060-T66	-
11	660-00-702-00	AS REQD.	FRAME WATER COLLECTOR	6060-T66	-
12	311-01-302-00	AS REQD.	FIXED SASH SPACER	6060-T66	-
13	415-70-060-00	AS REQD.	TOP MOUNT SASH HOLDER	6060-T66	-
14	290-00-005-00	AS REQD.	SETTING BLOCKS, AT 1/4 POINTS	6060-T66	-
15	200-70-005-03	4/	PANEL EXTERIOR GLAZING GASKET	EPDM	-
16	200-09-006-01	4/	PANEL INTERIOR GLAZING GASKET	EPDM	-
17	220-31-230-03	4/	PANEL GLAZING BEAD GASKET	EPDM	-
18	240-70-002-03	AS REQD.	SASH GASKET	EPDM	-
19	240-00-462-01	AS REQD.	INTERLOCKING PROFILE GASKET	EPDM	-
20	240-70-004-03	AS REQD.	WATER COLLECTOR GASKET	EPDM	-
21	620-69-107-00	AS REQD.	FRAME W'STRIPPING	WOOL PILE	-
22	620-69-107-00	AS REQD.	INTERLOCK W'STRIPPING	WOOL PILE	-
23	660-00-613-00	AS REQD.	PANEL GUIDE	ST. STEEL	-
24	113-43-094-00	AS REQD.	DOUBLE CRIMP CORNER	6060-T66	-
25	113-33-078-00	AS REQD.	DOUBLE CRIMP CORNER	6060-T66	-
26	113-13-444-00	AS REQD.	DOUBLE CRIMP CORNER	6060-T66	-
27	415-48-800-00	2/	MOV. PANEL ROLLER ASSEMBLY, AT 8" FROM ENDS	-	-
28	470-77-560-00	AS REQD.	ANCHOR CLIP AT SILL	GALV. STEEL	-
29	-	-	-	-	-

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



Sealed: 5/23/2024
FL #46742



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

SERIES S700 LIFT & SLIDE ALUM DOOR (L.M.I.)

PROF AL
1 Building, Silikeyan New Highway
0088, Yerevan, Armenia
Tel. +374 (12) 999000
www.profal.am

revisions:	
no	date
by	description

date: 04-29-24	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
drawing no. 24-26F			
sheet 7 of 7			