

THESE DOORS ARE 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-DM12 ALUMINUM SLIDING GLASS DOOR

DOORS MUST COMPLY WITH EGRESS REQUIREMENTS AS
APPLICABLE PER FBC.

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

DETERMINE DOOR CAPACITY FOR THE GLASS TYPE USED FROM CHART ON SHEETS 3 & 4 FOR DOORS WITH ANCHORED JAMBS AND CHART ON SHEET 6 FOR DOORS WITH FREE STANDING JAMBS.
- STEP 3

USING ANCHOR CHARTS ON SHEETS 7 THRU 13 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 4

THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.
- STEP 5

FOR DOORS WITH UNANCHORED JAMBS, USING SHEET 21 DETERMINE MIN. AND MAX. GAP DIMENSIONS.

- 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.

LAMINATED GLASS
SMALL MISSILE IMPACT

Sealed 7-3-2024

FL #30338



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

COMP -ANL\19-76F-TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)

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

no	date	by	description
A	03.05.20		6" SILL TRACK CLIP OPTION ADD.
B	10.12.20		UPDATED TO 2020 FBC
C	03.03.21		ROLLERS REV.
D	07.31.23		NEW TEST ADDED
E	06.18.24		NEW TESTS ADDED

date: 08-15-19

scale: 1/2" = 1"

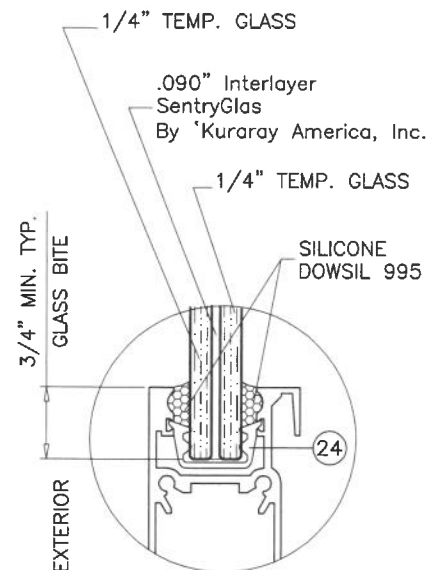
dr. by: TARIQ

chk. by:

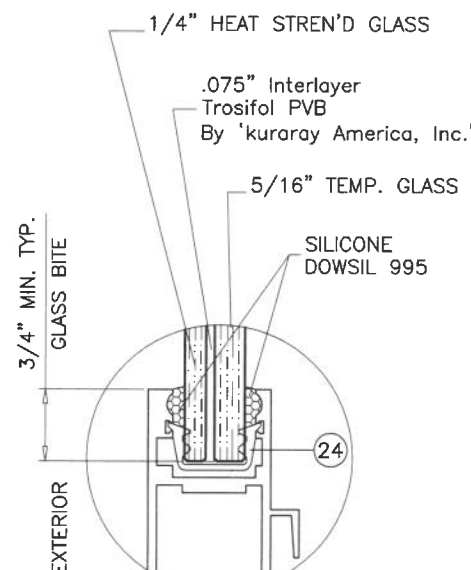
drawing no.

19-76F

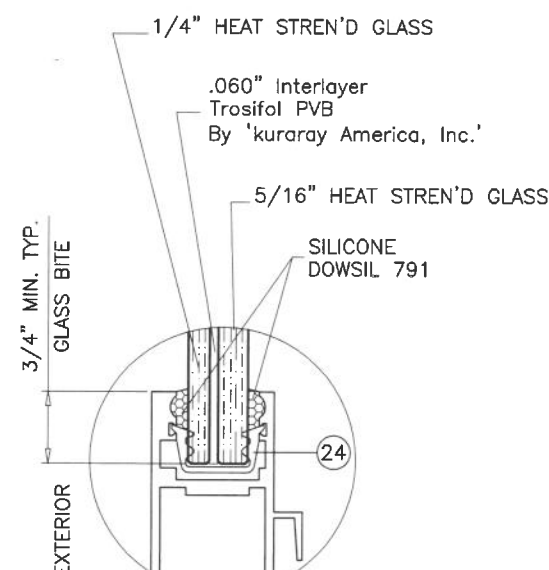
sheet 1 of 25



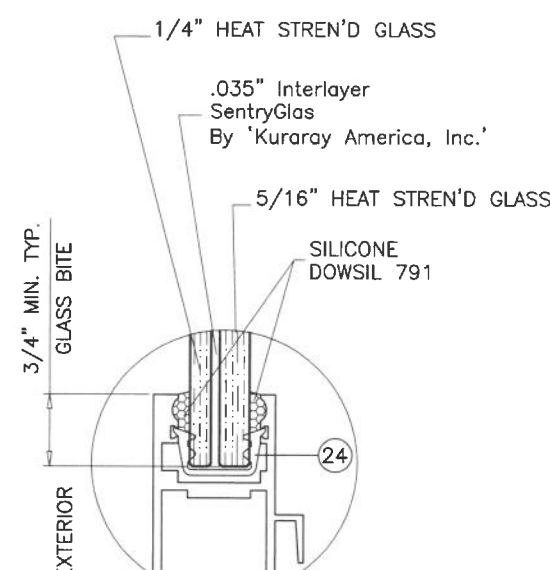
GLASS TYPE 'A'



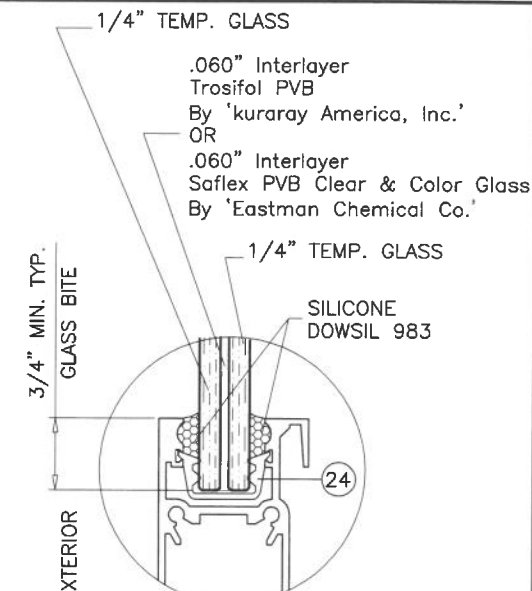
GLASS TYPE 'B'



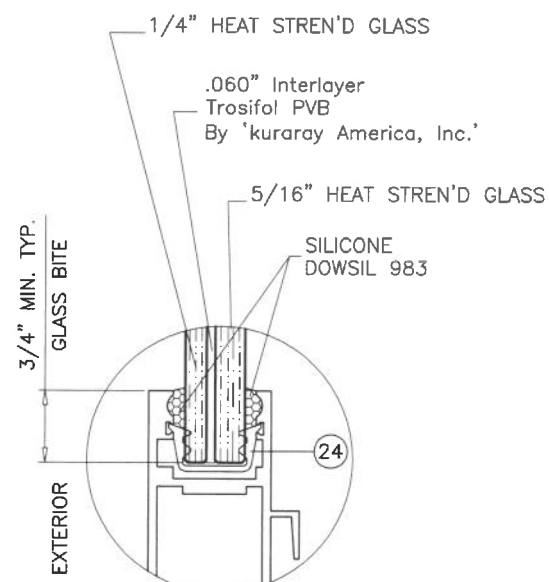
GLASS TYPE 'C'



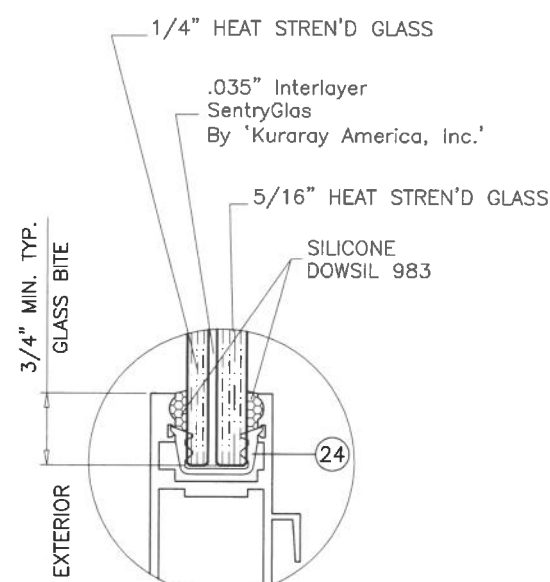
GLASS TYPE 'D'



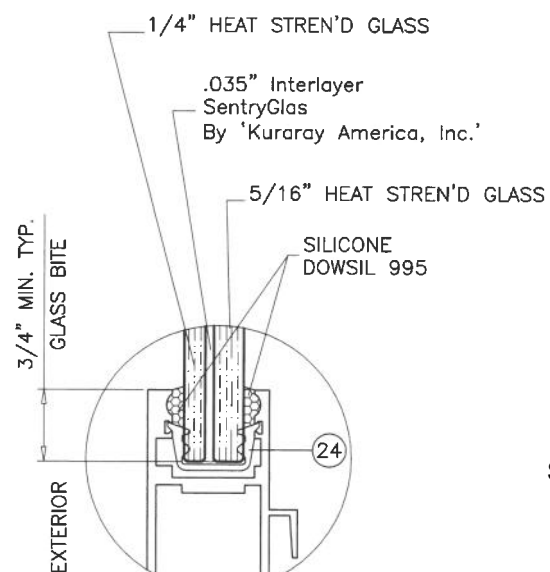
GLASS TYPE 'E'



GLASS TYPE 'C.1'



GLASS TYPE 'D.1'



GLASS TYPE 'D.2'

GLAZING OPTIONS

Sealed 7-3-2024

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af c
(C.A.N. 3538)
COMP-ANL 19-76F-TGL

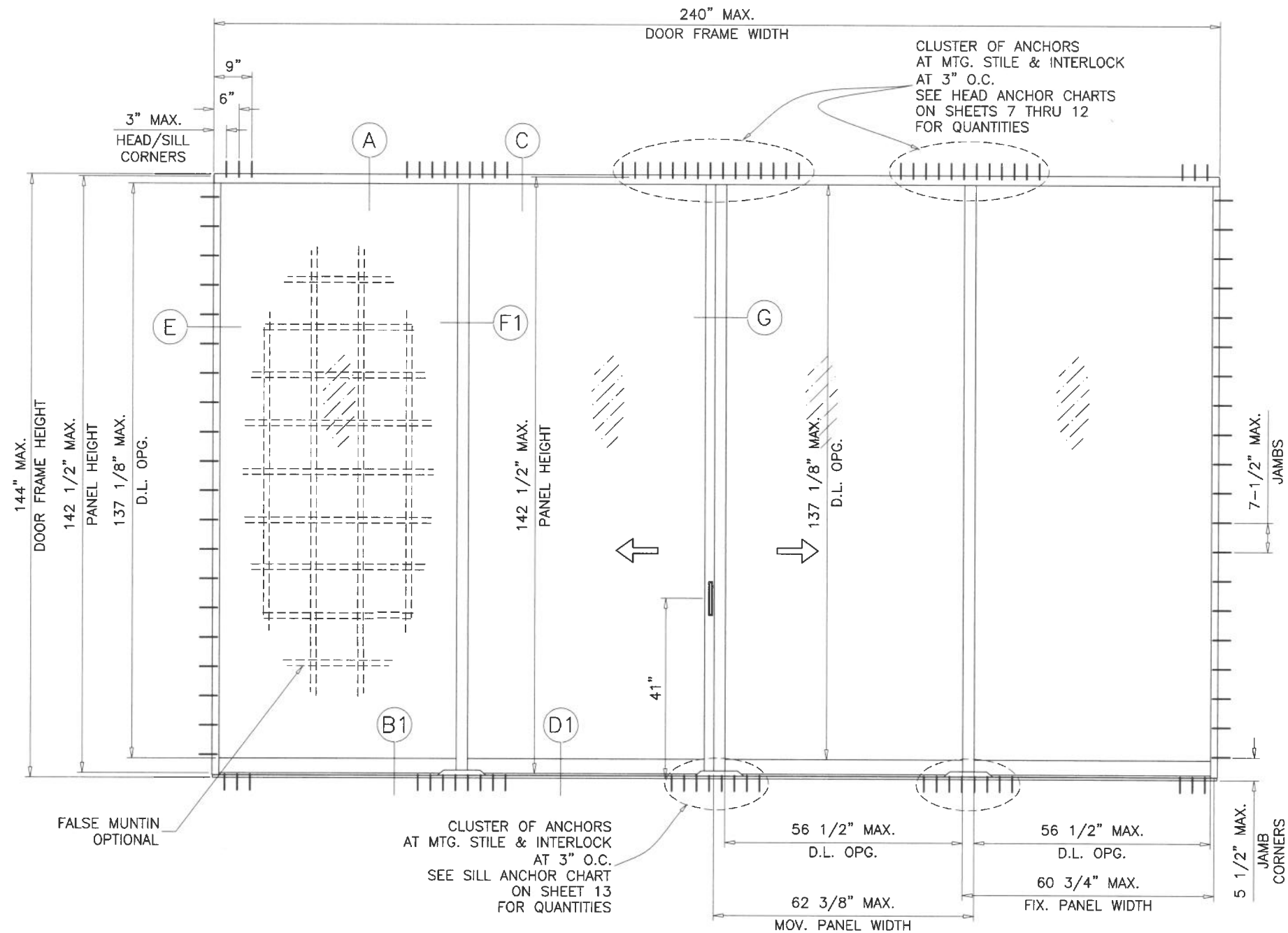
SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)

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MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

no	date	by	description

date: 08-15-19 scale: 1/2" = 1" dr. by: TARIQ chk. by:
drawing no. **19-76F**
sheet 1.1 of 25



TYPICAL ELEVATION (ANCHORED JAMBS)

TESTED UNITS (OXXO)
4 PANELS OR LESS

SEE SHEETS 3 & 4 FOR DOOR CAPACITY
SEE SHEETS 7 THRU 13 FOR HEAD/SILL ANCHOR CAPACITY
LOWER VALUE FROM CHARTS WILL APPLY

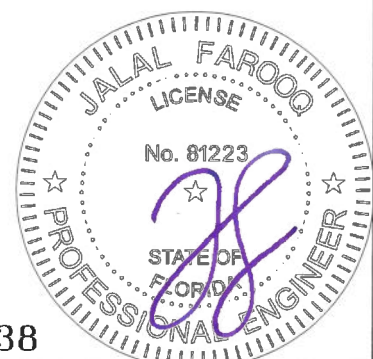
DAYLITE OPENINGS:

DLO WIDTH (FIX. PANEL) = PANEL WIDTH - 5.625
DLO WIDTH (OPER. PANEL) = PANEL WIDTH - 5.375
DLO HEIGHT = FRAME HEIGHT - 5.625 (STD. BOTTOM RAIL)
DLO HEIGHT = FRAME HEIGHT - 6.875 (HI-RISE BOTTOM RAIL)
NOM. PANEL HEIGHT = FRAME HEIGHT - 1.500

SGD WITH ANCHORED JAMBS

Sealed 7-3-2024

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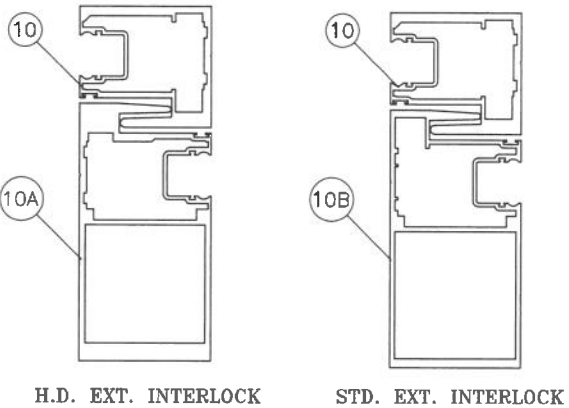
sheet 2 of 25

DESIGN LOAD CAPACITY – PSF (GLASS) DOORS WITH ANCHORED JAMBS																					
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	H.D. EXTERIOR INTERLOCK								STD. EXTERIOR INTERLOCK											
		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS 'C' & 'D'		GLASS 'D.1'		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS 'C' & 'D'		GLASS 'C.1'		GLASS TYPE 'E'		GLASS TYPE 'D.2'	
		EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)
39	96	131.0	170.0	140.0	170.0	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
42		131.0	170.0	130.0	157.9	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		131.0	170.0	124.1	150.7	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44–1/4		131.0	170.0	123.7	150.3	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	124.3	134.2	120.0	140.0	100.0	100.0
48		120.4	156.3	113.8	138.1	120.4	125.0	125.0	165.0	120.0	150.0	120.4	140.0	125.0	125.0	114.6	123.7	120.0	140.0	100.0	100.0
48–9/16		119.0	154.5	112.4	136.5	119.0	125.0	123.6	163.1	120.0	150.0	119.0	140.0	123.6	123.6	113.3	122.3	120.0	140.0	100.0	100.0
54		107.0	138.9	–	–	107.0	125.0	111.1	146.7	120.0	134.9	–	–	111.1	111.1	101.9	110.0	120.0	140.0	100.0	100.0
60		–	–	–	–	125.0	125.0	100.0	132.0	120.0	120.0	–	–	100.0	100.0	91.7	99.0	120.0	140.0	100.0	100.0
66		–	–	–	–	–	–	–	–	120.0	120.0	–	–	–	–	–	–	120.0	140.0	100.0	100.0
72		–	–	–	–	–	–	–	–	120.0	120.0	–	–	–	–	–	–	120.0	140.0	100.0	100.0
74		–	–	–	–	–	–	–	–	120.0	120.0	–	–	–	–	–	–	–	–	100.0	100.0
78	–	–	–	–	–	–	–	–	113.8	113.8	–	–	–	–	–	–	–	–	94.9	94.9	
84	–	–	–	–	–	–	–	–	105.7	105.7	–	–	–	–	–	–	–	–	88.1	88.1	
39	102	131.0	170.0	140.0	170.0	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
42		131.0	170.0	130.0	157.9	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		131.0	170.0	124.1	150.7	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44–1/4		131.0	170.0	123.7	150.3	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	124.3	134.2	120.0	140.0	100.0	100.0
48		120.4	156.3	113.8	138.1	120.4	125.0	125.0	165.0	120.0	150.0	120.4	140.0	125.0	125.0	114.6	123.7	120.0	140.0	100.0	100.0
48–9/16		119.0	154.5	112.4	136.5	119.0	125.0	123.6	163.1	120.0	150.0	119.0	140.0	123.6	123.6	113.3	122.3	120.0	140.0	100.0	100.0
54		–	–	–	–	125.0	125.0	111.1	146.7	120.0	134.9	–	–	111.1	111.1	101.9	110.0	120.0	140.0	100.0	100.0
60		–	–	–	–	125.0	125.0	100.0	132.0	120.0	120.0	–	–	100.0	100.0	–	–	120.0	140.0	100.0	100.0
66		–	–	–	–	–	–	–	–	120.0	120.0	–	–	–	–	–	–	120.0	140.0	100.0	100.0
72		–	–	–	–	–	–	–	–	120.0	120.0	–	–	–	–	–	–	120.0	140.0	100.0	100.0
74		–	–	–	–	–	–	–	–	120.0	120.0	–	–	–	–	–	–	–	–	100.0	100.0
78	–	–	–	–	–	–	–	–	113.8	113.8	–	–	–	–	–	–	–	–	94.9	94.9	
84	–	–	–	–	–	–	–	–	105.7	105.7	–	–	–	–	–	–	–	–	88.1	88.1	
39	108	131.0	170.0	140.0	170.0	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
42		131.0	170.0	130.0	157.9	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		131.0	170.0	124.1	150.7	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44–1/4		131.0	170.0	123.7	150.3	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	124.3	134.2	120.0	140.0	100.0	100.0
48		120.4	156.3	–	–	125.0	125.0	125.0	165.0	120.0	150.0	–	–	125.0	125.0	114.6	123.7	120.0	140.0	100.0	100.0
48–9/16		119.0	154.5	–	–	119.0	125.0	123.6	163.1	120.0	150.0	–	–	123.6	123.6	113.3	122.3	120.0	140.0	100.0	100.0
54		–	–	–	–	125.0	125.0	111.1	146.7	120.0	125.9	–	–	111.1	111.1	–	–	120.0	140.0	100.0	100.0
60		–	–	–	–	125.0	125.0	100.0	132.0	120.0	120.0	–	–	100.0	100.0	–	–	120.0	140.0	100.0	100.0
66		–	–	–	–	–	–	–	–	120.0	120.0	–	–	–	–	–	–	109.1	127.3	100.0	100.0
72		–	–	–	–	–	–	–	–	120.0	120.0	–	–	–	–	–	–	100.0	116.7	100.0	100.0
74		–	–	–	–	–	–	–	–	120.0	120.0	–	–	–	–	–	–	–	–	100.0	100.0
78	–	–	–	–	–	–	–	–	113.8	113.8	–	–	–	–	–	–	–	–	94.9	94.9	
84	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	88.1	88.1	
39	114	131.0	170.0	140.0	170.0	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
42		131.0	170.0	130.0	157.9	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		131.0	170.0	124.1	150.7	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44–1/4		131.0	170.0	123.7	150.3	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	124.3	134.2	120.0	140.0	100.0	100.0
48–9/16		–	–	–	–	125.0	125.0	123.6	163.1	120.0	150.0	–	–	123.6	123.6	113.3	122.3	120.0	140.0	100.0	100.0
54		–	–	–	–	125.0	125.0	111.1	146.7	120.0	125.9	–	–	111.1	111.1	–	–	120.0	140.0	100.0	100.0
60		–	–	–	–	125.0	125.0	100.0	132.0	120.0	120.0	–	–	100.0	100.0	–	–	120.0	140.0	100.0	100.0
66		–	–	–	–	–	–	–	–	120.0	120.0	–	–	–	–	–	–	109.1	127.3	100.0	100.0
72		–	–	–	–	–	–	–	–	120.0	120.0	–	–	–	–	–	–	100.0	116.7	100.0	100.0
74		–	–	–	–	–	–	–	–	120.0	120.0	–	–	–	–	–	–	–	–	100.0	100.0
78		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	94.9	94.9
84	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	88.1	88.1	

NOTE:
1. ON DOORS WITH NOMINAL PANEL WIDTHS GREATER THAN 48 INCHES
LIMIT EXTERIOR(+) DESIGN LOADS TO +120.0 PSF.
2. DOORS WITH FRAME JAMB REVERSED (XO, OXO, XOX CONFIGURATIONS)
LIMIT MAX. DESIGN LOADS TO ±140 PSF.

CHART CONTINUES ON NEXT SHEET

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



H.D. EXT. INTERLOCK STD. EXT. INTERLOCK

SGD WITH ANCHORED JAMBS

Sealed 7-3-2024

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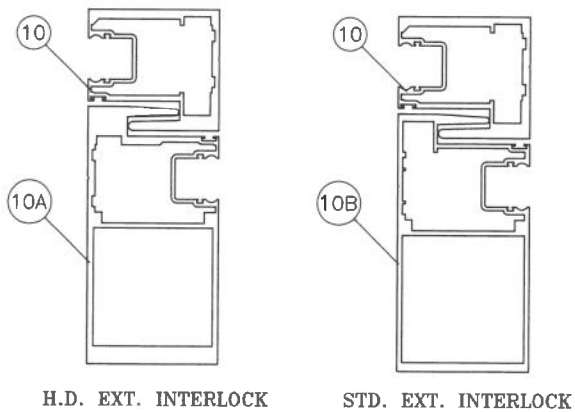
drawing no.
19-76F
sheet **3** of **25**

DESIGN LOAD CAPACITY - PSF (GLASS) DOORS WITH ANCHORED JAMBS																					
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	H.D. EXTERIOR INTERLOCK								STD. EXTERIOR INTERLOCK											
		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS 'C' & 'D'		GLASS 'D.1'		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS 'C' & 'D'		GLASS 'C.1'		GLASS TYPE 'E'		GLASS TYPE 'D.2'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
39	117-3/4	131.0	170.0	140.0	170.0	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
42		131.0	170.0	130.0	157.9	125.0	125.0	125.0	165.0	120.0	150.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		131.0	170.0	-	-	125.0	125.0	125.0	165.0	120.0	150.0	-	-	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44-1/4		131.0	170.0	-	-	125.0	125.0	125.0	165.0	120.0	150.0	-	-	125.0	125.0	124.3	134.2	120.0	140.0	100.0	100.0
48-9/16		-	-	-	-	125.0	125.0	123.6	163.1	120.0	150.0	-	-	123.6	123.6	113.3	122.3	120.0	140.0	100.0	100.0
54		-	-	-	-	125.0	125.0	111.1	146.7	120.0	120.0	-	-	111.1	111.1	-	-	120.0	140.0	100.0	100.0
60		-	-	-	-	-	-	-	-	120.0	120.0	-	-	-	-	-	-	120.0	140.0	100.0	100.0
66		-	-	-	-	-	-	-	-	120.0	120.0	-	-	-	-	-	-	109.1	127.3	100.0	100.0
72		-	-	-	-	-	-	-	-	120.0	120.0	-	-	-	-	-	-	100.0	116.7	100.0	100.0
74		-	-	-	-	-	-	-	-	120.0	120.0	-	-	-	-	-	-	-	-	100.0	100.0
78		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94.9	94.9
72	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	116.7	-	-
74	120	-	-	-	-	-	-	-	-	120.0	120.0	-	-	-	-	-	-	-	-	-	-
39	120-5/8	131.0	170.0	140.0	170.0	125.0	125.0	125.0	165.0	120.0	140.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
42		131.0	170.0	130.0	157.9	125.0	125.0	125.0	165.0	120.0	140.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		131.0	170.0	-	-	125.0	125.0	125.0	165.0	120.0	140.0	-	-	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44-1/4		131.0	170.0	-	-	125.0	125.0	125.0	165.0	120.0	140.0	-	-	125.0	125.0	124.3	134.2	120.0	140.0	100.0	100.0
48-9/16		-	-	-	-	125.0	125.0	123.6	163.1	120.0	140.0	-	-	123.6	123.6	113.3	122.3	120.0	140.0	100.0	100.0
54		-	-	-	-	125.0	125.0	111.1	146.7	-	-	-	-	111.1	111.1	-	-	120.0	140.0	100.0	100.0
60		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120.0	140.0	100.0	100.0
66		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	109.1	127.3	100.0	100.0
72		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	100.0
74		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	100.0
78		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94.9	94.9
39	126	-	-	140.0	170.0	125.0	125.0	125.0	165.0	120.0	140.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		-	-	-	-	125.0	125.0	125.0	165.0	120.0	140.0	-	-	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44-1/4		-	-	-	-	125.0	125.0	125.0	165.0	120.0	140.0	-	-	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
48-9/16		-	-	-	-	125.0	125.0	123.6	163.1	120.0	140.0	-	-	123.6	123.6	124.3	134.2	120.0	140.0	100.0	100.0
54		-	-	-	-	125.0	125.0	111.1	146.7	-	-	-	-	111.1	111.1	-	-	120.0	140.0	100.0	100.0
60		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120.0	140.0	100.0	100.0
66		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	109.1	127.3	100.0	100.0
72		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	100.0
74		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	100.0
39	127	-	-	140.0	170.0	125.0	125.0	125.0	165.0	120.0	140.0	125.0	140.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		-	-	-	-	125.0	125.0	125.0	165.0	120.0	140.0	-	-	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44-1/4		-	-	-	-	125.0	125.0	125.0	165.0	120.0	140.0	-	-	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
48-9/16		-	-	-	-	125.0	125.0	123.6	163.1	120.0	140.0	-	-	123.6	123.6	124.3	134.2	120.0	140.0	100.0	100.0
54		-	-	-	-	-	-	111.1	146.7	-	-	-	-	111.1	111.1	-	-	120.0	140.0	100.0	100.0
60		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120.0	140.0	100.0	100.0
66		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	109.1	127.3	100.0	100.0
72		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	100.0
74		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	100.0

NOTE:
1. ON DOORS WITH NOMINAL PANEL WIDTHS GREATER THAN 48 INCHES
LIMIT EXTERIOR(+) DESIGN LOADS TO +120.0 PSF.
2. DOORS WITH FRAME JAMB REVERSED (XO, OXO, XOX CONFIGURATIONS)
LIMIT MAX. DESIGN LOADS TO ±140 PSF.

CHART CONTINUES ON NEXT SHEET

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



SGD WITH ANCHORED JAMBS

Sealed 7-3-2024

FL #30338

revisions:

no	date	by	description

date: 08-15-19

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

dr. by: TARIQ

chk. by:

drawing no.

19-76F

sheet 4 of 25

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

COMP-ANL\19-76F-TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)

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

revisions:

no	date	by	description

date: 08-15-19

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

dr. by: TARIQ

chk. by:

drawing no.

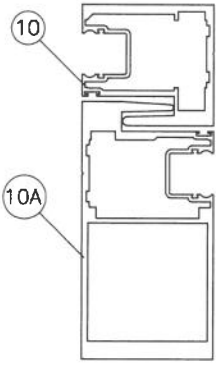
19-76F

sheet 4 of 25

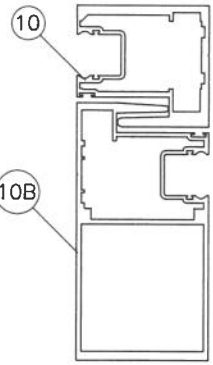
DESIGN LOAD CAPACITY – PSF (GLASS) DOORS WITH ANCHORED JAMBS																						
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	H.D. EXTERIOR INTERLOCK								STD. EXTERIOR INTERLOCK												
		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS 'C' & 'D'		GLASS 'D.1'		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS 'C' & 'D'		GLASS 'C.1'		GLASS TYPE 'E'		GLASS TYPE 'D.2'		
		EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	
39	132	–	–	140.0	170.0	125.0	125.0	125.0	165.0	–	–	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0	
44		–	–	–	–	125.0	125.0	125.0	165.0	–	–	–	–	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0	
44–1/4		–	–	–	–	125.0	125.0	125.0	165.0	–	–	–	–	125.0	125.0	–	–	120.0	140.0	100.0	100.0	
48–9/16		–	–	–	–	125.0	125.0	123.6	163.1	–	–	–	–	123.6	123.6	–	–	120.0	140.0	100.0	100.0	
54		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	120.0	140.0	100.0	100.0	
60		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	120.0	140.0	100.0	100.0
66		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	109.1	–	100.0	100.0
72		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	100.0	100.0
74	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	100.0	100.0	
39	138	–	–	–	–	125.0	125.0	125.0	165.0	–	–	–	–	125.0	125.0	–	–	120.0	140.0	–	–	
44		–	–	–	–	125.0	125.0	125.0	165.0	–	–	–	–	125.0	125.0	–	–	120.0	140.0	–	–	
44–1/4		–	–	–	–	125.0	125.0	125.0	165.0	–	–	–	–	125.0	125.0	–	–	120.0	140.0	–	–	
48–9/16		–	–	–	–	125.0	125.0	123.6	163.1	–	–	–	–	123.6	123.6	–	–	120.0	140.0	–	–	
54		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	120.0	140.0	–	–	
60		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	120.0	140.0	–	–
39	144	–	–	–	–	125.0	125.0	125.0	165.0	–	–	–	–	125.0	125.0	–	–	120.0	140.0	–	–	
44		–	–	–	–	125.0	125.0	125.0	165.0	–	–	–	–	125.0	125.0	–	–	120.0	140.0	–	–	
44–1/4		–	–	–	–	125.0	125.0	125.0	165.0	–	–	–	–	125.0	125.0	–	–	120.0	140.0	–	–	
48		–	–	–	–	125.0	125.0	125.0	165.0	–	–	–	–	125.0	125.0	–	–	120.0	140.0	–	–	
54		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	120.0	140.0	–	–	
60		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	120.0	140.0	–	–

- NOTE:
- ON DOORS WITH NOMINAL PANEL WIDTHS GREATER THAN 48 INCHES
LIMIT EXTERIOR(+) DESIGN LOADS TO +120.0 PSF.
 - DOORS WITH FRAME JAMB REVERSED (XO, OXO, XOX CONFIGURATIONS)
LIMIT MAX. DESIGN LOADS TO ±140 PSF.

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



H.D. EXT. INTERLOCK



STD. EXT. INTERLOCK

SGD WITH ANCHORED JAMBS

Sealed 7-3-2024



FL #30338

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
(C.A.N. 353B)
FAX. (305) 262-6978

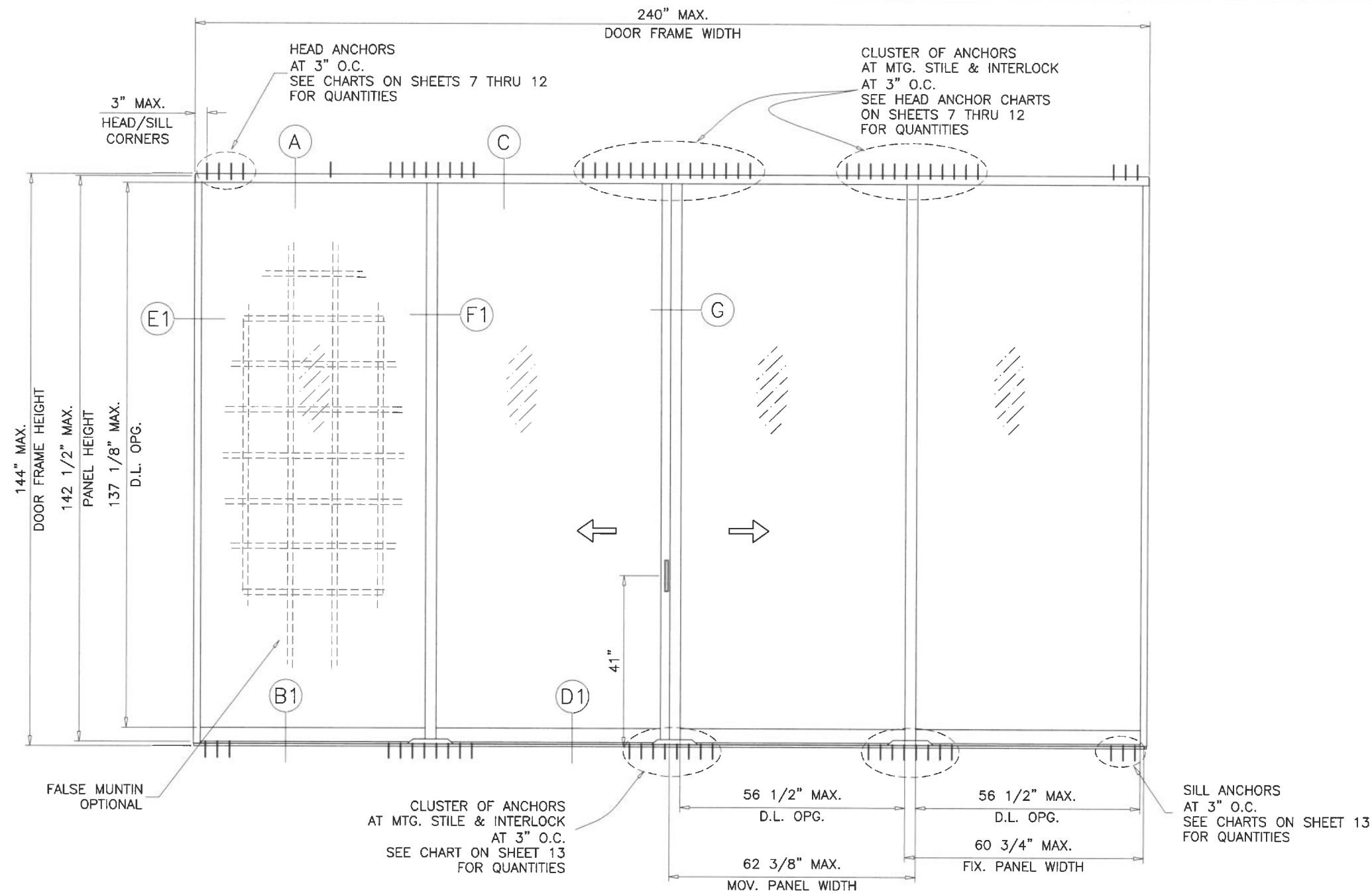
SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151

revisions:
no date by description

date: 08-15-19
scale: 3/8"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
19-76F
sheet 4.1 of 25

COMP-ANL\19-76F-TGL



TYPICAL ELEVATION (FREE STANDING JAMBS)
TESTED UNIT (OXXO)
4 PANELS OR LESS

SEE CHART AT SHEET 6 FOR DOOR CAPACITY
SEE SHEETS 7 THRU 13 FOR HEAD/SILL ANCHOR CAPACITY
LOWER VALUE FROM CHARTS WILL APPLY
SEE SHEET 21 FOR MIN./MAX. JAMB GAPS

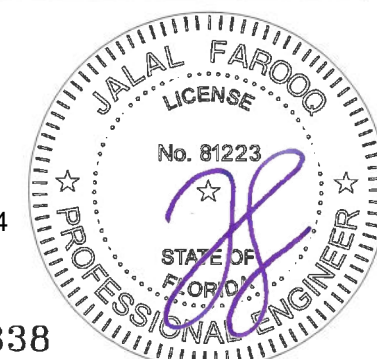
DAYLITE OPENINGS:

DLO WIDTH (FIX. PANEL) = PANEL WIDTH - 5.625
DLO WIDTH (OPER. PANEL) = PANEL WIDTH - 5.375
DLO HEIGHT = FRAME HEIGHT - 5.625 (STD. BOTTOM RAIL)
DLO HEIGHT = FRAME HEIGHT - 6.875 (HI-RISE BOTTOM RAIL)
NOM. PANEL HEIGHT = FRAME HEIGHT - 1.500

SGD WITH FREE STANDING JAMBS

Sealed 7-3-2024

FL #30338



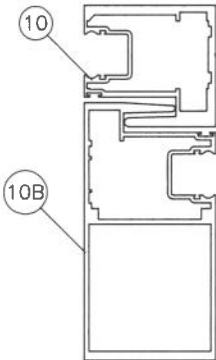
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
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COMP-ANL\19-76F-TGL

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revisions:		no date by description	
date:	08-15-19	no	date
scale:	3/8"=1'-0"	by	description
dr. by:	TARIQ		
chk. by:			
drawing no.	19-76F		
sheet	5 of 25		

DESIGN LOAD CAPACITY - PSF (GLASS) DOORS WITH FREE STANDING JAMBS													
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	STD. EXTERIOR INTERLOCK											
		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS 'C' & 'D'		GLASS 'C.1'		GLASS TYPE 'E'		GLASS TYPE 'D.2'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
39	96	120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
42		120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44-1/4		120.0	125.0	125.0	125.0	125.0	125.0	124.3	134.2	120.0	140.0	100.0	100.0
48		120.0	125.0	120.4	125.0	125.0	125.0	114.6	123.7	120.0	140.0	100.0	100.0
48-9/16		120.0	125.0	119.0	125.0	123.6	123.6	113.3	122.3	120.0	140.0	100.0	100.0
54		120.0	125.0	-	-	111.1	111.1	101.9	110.0	120.0	140.0	100.0	100.0
60		120.0	120.0	-	-	100.0	100.0	91.7	99.0	120.0	140.0	100.0	100.0
66		120.0	120.0	-	-	-	-	-	-	120.0	140.0	100.0	100.0
72		120.0	120.0	-	-	-	-	-	-	120.0	140.0	100.0	100.0
74		120.0	120.0	-	-	-	-	-	-	-	-	100.0	100.0
78		113.8	113.8	-	-	-	-	-	-	-	-	94.9	94.9
84		105.7	105.7	-	-	-	-	-	-	-	-	88.1	88.1
39	102	120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
42		120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44-1/4		120.0	125.0	125.0	125.0	125.0	125.0	124.3	134.2	120.0	140.0	100.0	100.0
48		120.0	125.0	120.4	125.0	125.0	125.0	114.6	123.7	120.0	140.0	100.0	100.0
48-9/16		120.0	125.0	119.0	125.0	123.6	123.6	113.3	122.3	120.0	140.0	100.0	100.0
54		120.0	125.0	-	-	111.1	111.1	101.9	110.0	120.0	140.0	100.0	100.0
60		120.0	120.0	-	-	100.0	100.0	-	-	120.0	140.0	100.0	100.0
66		120.0	120.0	-	-	-	-	-	-	120.0	140.0	100.0	100.0
72		120.0	120.0	-	-	-	-	-	-	120.0	140.0	100.0	100.0
74		120.0	120.0	-	-	-	-	-	-	-	-	100.0	100.0
78		113.8	113.8	-	-	-	-	-	-	-	-	94.9	94.9
84		105.7	105.7	-	-	-	-	-	-	-	-	88.1	88.1
39	108	120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
42		120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44-1/4		120.0	125.0	125.0	125.0	125.0	125.0	124.3	134.2	120.0	140.0	100.0	100.0
48		120.0	125.0	-	-	125.0	125.0	114.6	123.7	120.0	140.0	100.0	100.0
48-9/16		120.0	125.0	-	-	123.6	123.6	113.3	122.3	120.0	140.0	100.0	100.0
54		120.0	125.0	-	-	111.1	111.1	-	-	120.0	140.0	100.0	100.0
60		120.0	120.0	-	-	100.0	100.0	-	-	120.0	140.0	100.0	100.0
66		120.0	120.0	-	-	-	-	-	-	120.0	140.0	100.0	100.0
72		120.0	120.0	-	-	-	-	-	-	120.0	140.0	100.0	100.0
74		120.0	120.0	-	-	-	-	-	-	-	-	100.0	100.0
78		113.8	113.8	-	-	-	-	-	-	-	-	94.9	94.9
84		-	-	-	-	-	-	-	-	-	-	88.1	88.1
39	114	120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
42		120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		120.0	125.0	125.0	125.0	125.0	125.0	124.3	134.2	120.0	140.0	100.0	100.0
44-1/4		120.0	125.0	125.0	125.0	125.0	125.0	114.6	123.7	120.0	140.0	100.0	100.0
48-9/16		120.0	125.0	-	-	123.6	123.6	113.3	122.3	120.0	140.0	100.0	100.0
54		120.0	125.0	-	-	111.1	111.1	-	-	120.0	140.0	100.0	100.0
60		120.0	120.0	-	-	100.0	100.0	-	-	120.0	140.0	100.0	100.0
66		120.0	120.0	-	-	-	-	-	-	120.0	140.0	100.0	100.0
72		120.0	120.0	-	-	-	-	-	-	120.0	140.0	100.0	100.0
74		120.0	120.0	-	-	-	-	-	-	-	-	100.0	100.0
78		-	-	-	-	-	-	-	-	-	-	94.9	94.9
84		-	-	-	-	-	-	-	-	-	-	88.1	88.1

CHART CONTINUES ON NEXT SHEET



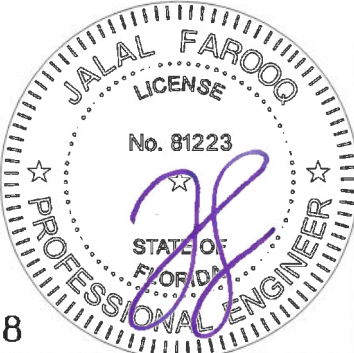
STD. EXT. INTERLOCK

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

SGD WITH FREE STANDING JAMBS

Sealed 7-3-2024

FL #30338



af c

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

SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)

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

revisions:

no	date	by	description

date: 08-15-19

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

dr. by: TARIQ

chk. by:

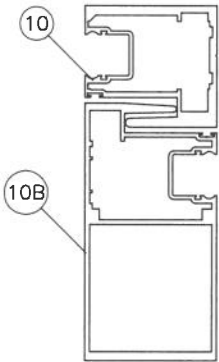
drawing no.

19-76F

sheet 6 of 25

DESIGN LOAD CAPACITY - PSF (GLASS) DOORS WITH FREE STANDING JAMBS													
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	STD. EXTERIOR INTERLOCK											
		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS 'C' & 'D'		GLASS 'C.1'		GLASS TYPE 'E'		GLASS TYPE 'D.2'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
39	117-3/4	120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
42		120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		120.0	125.0	-	-	125.0	125.0	124.3	134.2	120.0	140.0	100.0	100.0
44-1/4		120.0	125.0	-	-	125.0	125.0	114.6	123.7	120.0	140.0	100.0	100.0
48-9/16		120.0	125.0	-	-	123.6	123.6	113.3	122.3	120.0	140.0	100.0	100.0
54		-	-	-	-	111.1	111.1	-	-	120.0	140.0	100.0	100.0
60		-	-	-	-	-	-	-	-	120.0	140.0	100.0	100.0
66		-	-	-	-	-	-	-	-	120.0	140.0	100.0	100.0
72		-	-	-	-	-	-	-	-	109.1	127.3	100.0	100.0
74		-	-	-	-	-	-	-	-	-	-	100.0	100.0
78		-	-	-	-	-	-	-	-	-	-	94.9	94.9
72	120	-	-	-	-	-	-	-	-	100.0	116.7		
74	120	120.0	120.0	-	-	-	-	-	-	-	-		
39	120-5/8	120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
42		120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		120.0	125.0	-	-	125.0	125.0	124.3	134.2	120.0	140.0	100.0	100.0
44-1/4		120.0	125.0	-	-	125.0	125.0	114.6	123.7	120.0	140.0	100.0	100.0
48-9/16		120.0	125.0	-	-	123.6	123.6	-	-	120.0	140.0	100.0	100.0
54		-	-	-	-	111.1	111.1	-	-	120.0	140.0	100.0	100.0
60		-	-	-	-	-	-	-	-	120.0	140.0	100.0	100.0
66		-	-	-	-	-	-	-	-	109.1	127.3	100.0	100.0
72		-	-	-	-	-	-	-	-	-	-	100.0	100.0
74		-	-	-	-	-	-	-	-	-	-	100.0	100.0
78		-	-	-	-	-	-	-	-	-	-	94.9	94.9
39	126	120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		120.0	125.0	-	-	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44-1/4		120.0	125.0	-	-	125.0	125.0	124.3	134.2	120.0	140.0	100.0	100.0
48-9/16		120.0	125.0	-	-	123.6	123.6	-	-	120.0	140.0	100.0	100.0
54		-	-	-	-	111.1	111.1	-	-	120.0	140.0	100.0	100.0
60		-	-	-	-	-	-	-	-	120.0	140.0	100.0	100.0
66		-	-	-	-	-	-	-	-	109.1	127.3	100.0	100.0
72		-	-	-	-	-	-	-	-	-	-	100.0	100.0
74		-	-	-	-	-	-	-	-	-	-	100.0	100.0
39	127	120.0	125.0	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		120.0	125.0	-	-	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44-1/4		120.0	125.0	-	-	125.0	125.0	124.3	134.2	120.0	140.0	100.0	100.0
48-9/16		120.0	125.0	-	-	123.6	123.6	-	-	120.0	140.0	100.0	100.0
54		-	-	-	-	111.1	111.1	-	-	120.0	140.0	100.0	100.0
60		-	-	-	-	-	-	-	-	120.0	140.0	100.0	100.0
66		-	-	-	-	-	-	-	-	109.1	127.3	100.0	100.0
72		-	-	-	-	-	-	-	-	-	-	100.0	100.0
74		-	-	-	-	-	-	-	-	-	-	100.0	100.0

CHART CONTINUES ON NEXT SHEET



STD. EXT. INTERLOCK

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

SGD WITH FREE STANDING JAMBS

Sealed 7-3-2024

FL #30338





AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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(C.A.N. 3538)

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TEL. (305) 638-5151 FAX. (305) 638-5158

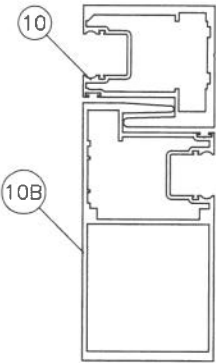
revisions:
no date by description

date: 08-15-19
scale: 3/8"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
19-76F
sheet 6.1 of 25

COMP-ANL\19-76F-TGL

DESIGN LOAD CAPACITY - PSF (GLASS) DOORS WITH FREE STANDING JAMBS													
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	STD. EXTERIOR INTERLOCK											
		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS 'C' & 'D'		GLASS 'C.1'		GLASS TYPE 'E'		GLASS TYPE 'D.2'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
39	132	-	-	125.0	125.0	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44		-	-	-	-	125.0	125.0	125.0	135.0	120.0	140.0	100.0	100.0
44-1/4		-	-	-	-	125.0	125.0	-	-	120.0	140.0	100.0	100.0
48		-	-	-	-	123.6	123.6	-	-	120.0	140.0	100.0	100.0
54		-	-	-	-	-	-	-	-	120.0	140.0	100.0	100.0
60		-	-	-	-	-	-	-	-	120.0	140.0	100.0	100.0
66		-	-	-	-	-	-	-	-	-	-	100.0	100.0
72		-	-	-	-	-	-	-	-	-	-	100.0	100.0
74		-	-	-	-	-	-	-	-	-	-	100.0	100.0
39	138	-	-	-	-	125.0	125.0	-	-	120.0	140.0	100.0	100.0
44		-	-	-	-	125.0	125.0	-	-	120.0	140.0	100.0	100.0
44-1/4		-	-	-	-	125.0	125.0	-	-	120.0	140.0	100.0	100.0
48		-	-	-	-	123.6	123.6	-	-	120.0	140.0	100.0	100.0
54		-	-	-	-	-	-	-	-	120.0	140.0	100.0	100.0
60		-	-	-	-	-	-	-	-	120.0	140.0	100.0	100.0
44	144	-	-	-	-	125.0	125.0	-	-	120.0	140.0	100.0	100.0
44-1/4		-	-	-	-	125.0	125.0	-	-	120.0	140.0	100.0	100.0
48		-	-	-	-	119.1	119.1	-	-	120.0	140.0	100.0	100.0
54		-	-	-	-	-	-	-	-	120.0	140.0	100.0	100.0
60		-	-	-	-	-	-	-	-	120.0	140.0	100.0	100.0



STD. EXT. INTERLOCK

NOTE:
GLASS CAPACITIES ARE BASED ON
ASTM E1300-09 (3 SEC. GUSTS)
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DECLARATORY STATEMENT DCA05-DEC-219

Sealed 7-3-2024

FL #30338



SGD WITH FREE STANDING JAMBS

**AL-FAROOQ CORPORATION**
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:
no date by description

date: 08-15-19
scale: 3/8"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
19-76F
sheet 6.2 of 25

COMP-ANL\19-76F-TGL

DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)															
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'A'													
		1/4" MAX. SHIM SPACE				3/8" MAX. SHIM SPACE					1/2" MAX. SHIM SPACE				
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	4 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	4 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. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	96	118.3	170.0	170.0	170.0	87.0	130.6	170.0	170.0	170.0	68.5	102.8	137.1	170.0	170.0
39		109.2	163.8	170.0	170.0	80.3	120.5	160.7	170.0	170.0	63.2	94.9	126.5	158.2	170.0
42		101.4	152.1	170.0	170.0	74.6	111.9	149.2	170.0	170.0	58.7	88.1	117.5	146.9	170.0
44		96.8	145.2	170.0	170.0	71.2	106.8	142.4	170.0	170.0	56.0	84.1	112.2	140.2	168.2
44-1/4		96.5	144.8	170.0	170.0	71.0	106.5	142.0	170.0	170.0	55.9	83.9	111.8	139.8	167.7
48		88.8	133.1	170.0	170.0	65.3	97.9	130.6	163.2	170.0	51.4	77.1	102.8	128.5	154.2
48-9/16		87.7	131.6	170.0	170.0	64.5	96.8	129.1	161.3	170.0	50.8	76.2	101.6	127.0	152.4
54		78.9	118.3	157.8	170.0	58.0	87.1	116.1	145.1	170.0	45.7	68.6	91.4	114.2	137.1
60		71.0	106.5	142.0	170.0	52.2	78.4	104.5	130.6	156.7	41.1	61.7	82.3	102.8	123.4
66		64.5	96.8	129.1	161.4	47.5	71.2	94.9	118.7	142.4	37.4	56.1	74.8	93.5	112.1
72		59.2	88.8	118.3	147.9	43.5	65.3	87.0	108.8	130.6	34.3	51.4	68.5	85.7	102.8
74		57.6	86.4	115.1	140.0	42.3	63.5	84.7	105.9	127.0	33.3	50.0	66.7	83.4	100.0
78		54.6	81.9	109.2	136.5	40.2	60.3	80.3	100.4	120.5	31.6	47.4	63.3	79.1	94.9
84		50.7	76.1	101.4	126.8	37.3	56.0	74.6	93.3	111.9	29.4	44.1	58.7	73.4	88.1
36	102	111.4	167.1	170.0	170.0	81.9	122.9	163.8	170.0	170.0	64.5	96.8	129.0	161.3	170.0
39		102.8	154.2	170.0	170.0	75.6	113.4	151.2	170.0	170.0	59.5	89.3	119.1	148.9	170.0
42		95.5	143.2	170.0	170.0	70.2	105.3	140.4	170.0	170.0	55.3	83.0	110.6	138.2	165.8
44		91.1	136.7	170.0	170.0	67.0	100.6	134.1	167.6	170.0	52.7	79.2	105.6	131.9	158.3
44-1/4		90.9	136.3	170.0	170.0	66.8	100.3	133.7	167.1	170.0	52.6	79.0	105.3	131.6	157.9
48		83.5	125.3	167.1	170.0	61.4	92.2	122.9	153.6	170.0	48.4	72.6	96.8	120.9	145.1
48-9/16		82.6	123.8	165.1	170.0	60.7	91.1	121.5	151.8	170.0	47.8	71.7	95.6	119.5	143.4
54		74.2	111.4	148.5	170.0	54.6	81.9	109.2	136.5	163.8	43.0	64.5	86.0	107.5	129.0
60		66.8	100.2	133.6	167.1	49.1	73.7	98.3	122.9	147.4	38.7	58.1	77.4	96.8	116.1
66		60.7	91.1	121.5	151.9	44.7	67.0	89.4	111.7	134.0	35.2	52.8	70.4	88.0	105.5
72		55.7	83.5	111.4	139.2	41.0	61.4	81.9	102.4	122.9	32.3	48.4	64.5	80.6	96.8
74		54.2	81.3	108.4	135.5	39.8	59.8	79.7	99.6	119.5	31.4	47.1	62.8	78.4	94.1
78		51.4	77.1	102.8	128.5	37.8	56.7	75.6	94.5	113.4	29.8	44.7	59.5	74.4	89.3
84		47.7	71.6	95.5	119.3	35.1	52.7	70.2	87.8	105.3	27.6	41.5	55.3	69.1	82.9
36	108	105.2	157.8	170.0	170.0	77.3	116.1	154.7	170.0	170.0	60.9	91.4	121.9	152.3	170.0
39		97.1	145.6	170.0	170.0	71.4	107.1	142.8	170.0	170.0	56.2	84.4	112.5	140.6	168.7
42		90.2	135.2	170.0	170.0	66.3	99.5	132.6	165.8	170.0	52.2	78.3	104.4	130.5	156.6
44		86.1	129.1	170.0	170.0	63.3	95.0	126.6	158.2	170.0	49.8	74.8	99.7	124.6	149.5
44-1/4		85.8	128.7	170.0	170.0	63.1	94.7	126.2	157.8	170.0	49.7	74.6	99.4	124.3	149.1
48		78.9	118.3	157.8	170.0	58.0	87.1	116.1	145.1	170.0	45.7	68.6	91.4	114.2	137.1
48-9/16		78.0	117.0	156.0	170.0	57.3	86.0	114.7	143.4	170.0	45.1	67.8	90.3	112.9	135.5
54		70.1	105.2	140.2	170.0	51.6	77.4	103.2	125.9	154.7	40.6	60.9	81.2	101.5	121.8
60		63.1	94.7	126.2	157.8	46.4	69.6	92.8	116.0	139.2	36.5	54.8	73.1	91.4	109.6
66		57.4	86.1	114.7	140.0	42.2	63.3	84.4	105.5	126.6	33.2	49.8	66.5	83.1	99.7
72		52.6	78.9	105.2	131.5	38.7	58.0	77.4	96.7	116.0	30.5	45.7	60.9	76.1	91.4
74		51.2	76.8	102.3	127.9	37.6	56.5	75.3	94.1	112.9	29.6	44.5	59.3	74.1	88.9
78		48.5	72.8	97.1	121.4	35.7	53.6	71.4	89.3	107.1	28.1	42.2	56.2	70.3	84.3
84		45.1	67.6	90.2	100.0	33.2	49.7	66.3	82.9	99.5	26.1	39.2	52.2	65.3	78.3

CHART CONTINUES ON NEXT SHEET

SEE CHART ON SHEETS 3 & 4 FOR SLIDING GLASS DOOR
CAPACITY WITH ANCHORED JAMBS
SEE SHEET 6 FOR SLIDING DOOR CAPACITY WITH FREE
STANDING JAMBS
SEE CHART AT LEFT FOR HEAD ANCHOR LOAD CAPACITY
SEE CHART ON SHEET 13 FOR SILL ANCHOR LOAD CAPACITY
LOWER VALUES FROM ABOVE WILL APPLY

SEE SHEET 17 FOR ANCHOR DESCRIPTION



Sealed 7-3-2024

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chk. by:

drawing no.
19-76F

sheet 7 of 25

COMP-ANL\19-76F-TGL

DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)															
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'A'													
		1/4" MAX. SHIM SPACE				3/8" MAX. SHIM SPACE					1/2" MAX. SHIM SPACE				
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	4 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	4 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. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	114	99.6	149.5	170.0	170.0	73.3	110.0	146.6	170.0	170.0	57.7	86.6	115.4	144.3	170.0
39		92.0	138.0	170.0	170.0	67.6	101.5	135.3	169.1	170.0	53.2	79.9	106.6	133.2	159.8
42		85.4	128.1	170.0	170.0	62.8	94.3	125.7	157.1	170.0	49.4	74.2	98.9	123.7	148.4
44		81.5	122.3	163.1	170.0	59.9	90.0	119.9	149.9	170.0	47.2	70.9	94.4	118.0	141.6
44-1/4		81.3	122.0	162.6	170.0	59.8	89.7	119.6	149.5	170.0	47.1	70.7	94.2	117.7	141.2
48		74.7	112.1	149.5	170.0	54.9	82.5	109.9	137.4	164.9	43.3	64.9	86.6	108.2	129.8
48-9/16		73.9	110.8	147.7	170.0	54.3	81.5	108.7	135.8	163.0	42.8	64.2	85.6	107.0	128.3
54		66.4	99.6	125.9	166.1	48.8	73.3	97.7	122.2	146.6	38.5	57.7	77.0	96.2	115.4
60		59.8	89.7	119.6	149.5	44.0	66.0	88.0	109.9	131.9	34.6	52.0	69.3	86.6	103.9
66		54.4	81.5	108.7	135.9	40.0	60.0	80.0	99.9	119.9	31.5	47.2	63.0	78.7	94.4
72		49.8	74.7	99.6	124.6	36.6	55.0	73.3	91.6	109.9	28.9	43.3	57.7	72.1	86.6
74		48.5	72.7	97.0	121.2	35.7	53.5	71.3	89.1	100.0	28.1	42.1	56.2	70.2	84.2
78		46.0	69.0	92.0	100.0	33.8	50.7	67.7	84.6	100.0	26.6	40.0	53.3	66.6	79.9
84		42.7	64.1	85.4	100.0	31.4	47.1	62.8	78.5	94.2	24.7	37.1	49.5	61.8	74.2
36	117-3/4	96.5	144.7	170.0	170.0	70.9	106.5	141.9	170.0	170.0	55.8	83.8	111.8	139.7	167.6
39		89.1	133.6	170.0	170.0	65.5	98.3	131.0	163.7	170.0	51.6	77.4	103.2	128.9	154.7
42		82.7	124.0	165.4	170.0	60.8	91.3	121.7	152.1	170.0	47.9	71.9	95.8	119.7	143.7
44		78.9	118.4	157.9	170.0	58.0	87.1	116.1	145.1	170.0	45.7	68.6	91.4	114.3	137.1
44-1/4		78.7	118.1	157.4	170.0	57.9	86.9	115.8	144.7	170.0	45.6	68.4	91.2	114.0	136.7
48		72.4	108.5	144.7	170.0	53.2	79.8	106.4	133.0	159.6	41.9	62.9	83.8	104.8	125.7
48-9/16		71.5	107.3	143.0	170.0	52.6	78.9	105.2	131.5	157.8	41.4	62.2	82.9	103.6	124.3
54		64.3	96.5	128.6	160.8	47.3	71.0	94.6	118.3	141.9	37.2	55.9	74.5	93.1	111.7
60		57.9	86.8	115.8	140.0	42.6	63.9	85.1	106.4	127.7	33.5	50.3	67.0	83.8	100.6
66		52.6	78.9	105.2	131.6	38.7	58.1	77.4	96.8	116.1	30.5	45.7	61.0	76.2	91.4
72		48.2	72.4	96.5	120.6	35.5	53.2	71.0	88.7	106.4	27.9	41.9	55.9	69.8	83.8
74		46.9	70.4	93.9	100.0	34.5	51.8	69.0	86.3	100.0	27.2	40.8	54.4	68.0	81.5
78		44.5	66.8	89.1	100.0	32.7	49.1	65.5	81.9	98.2	25.8	38.7	51.6	64.5	77.4
36	120-5/8	94.2	141.3	170.0	170.0	69.2	103.9	138.5	170.0	170.0	54.5	81.8	109.1	136.4	163.6
39		86.9	130.4	170.0	170.0	63.9	95.9	127.9	159.8	170.0	50.3	75.5	100.7	125.9	151.0
42		80.7	121.1	161.4	170.0	59.3	89.1	118.8	148.4	170.0	46.7	70.1	93.5	116.9	140.2
44		77.1	115.6	154.1	170.0	56.7	85.0	113.4	141.7	170.0	44.6	67.0	89.3	111.6	133.9
44-1/4		76.8	115.3	153.7	170.0	56.5	84.8	113.0	141.3	169.5	44.5	66.8	89.0	111.2	133.5
48		70.6	105.9	141.3	170.0	51.9	77.9	103.9	129.9	155.8	40.9	61.4	81.8	102.3	122.7
48-9/16		69.8	104.7	139.6	170.0	51.3	77.0	102.7	128.4	154.0	40.4	60.7	80.9	101.1	121.3
54		62.8	94.2	125.6	157.0	46.2	69.3	92.4	115.4	138.5	36.3	54.6	72.7	90.9	109.1
60		56.5	84.8	113.0	140.0	41.6	62.3	83.1	103.9	124.7	32.7	49.1	65.5	81.8	98.2
66		51.4	77.1	102.7	128.4	37.8	56.7	75.6	94.5	113.3	29.8	44.6	59.5	74.4	89.3
72		47.1	70.6	94.2	100.0	34.6	51.9	69.3	86.6	100.0	27.3	40.9	54.5	68.2	81.8
74		45.8	68.7	91.6	100.0	33.7	50.5	67.4	84.2	100.0	26.5	39.8	53.1	66.3	79.6
78		43.5	65.2	86.9	100.0	32.0	48.0	63.9	79.9	95.9	25.2	37.8	50.3	62.9	75.5
36	126	90.2	135.2	170.0	170.0	66.3	99.5	132.6	165.8	170.0	52.2	78.3	104.4	130.5	156.6
39		83.2	124.8	166.4	170.0	61.2	91.8	122.4	153.0	170.0	48.2	72.3	96.4	120.5	144.6
42		77.3	115.9	154.6	170.0	56.8	85.3	113.7	142.1	170.0	44.7	67.2	89.5	111.9	134.3
44		73.8	110.6	147.5	170.0	54.2	81.4	108.5	135.6	162.8	42.7	64.1	85.5	106.8	128.2
44-1/4		73.6	110.3	147.1	170.0	54.1	81.2	108.2	135.3	162.3	42.6	63.9	85.2	106.5	127.8
48		67.6	101.4	135.2	170.0	49.7	74.6	99.5	124.3	149.2	39.1	58.8	78.3	97.9	117.5
48-9/16		66.8	100.3	133.7	167.1	49.1	73.8	98.3	122.9	147.5	38.7	58.1	77.4	96.8	116.1
54		60.1	90.2	120.2	150.3	44.2	66.3	88.4	110.5	132.6	34.8	52.2	69.6	87.0	104.4
60		54.1	81.1	108.2	135.2	39.8	59.7	79.6	99.5	119.4	31.3	47.0	62.7	78.3	94.0
66		49.2	73.8	98.4	122.9	36.2	54.3	72.3	90.4	108.5	28.5	42.7	57.0	71.2	85.4
72		45.1	67.6	90.2	100.0	33.2	49.7	66.3	82.9	99.5	26.1	39.2	52.2	65.3	78.3
74		43.9	65.8	87.7	100.0	32.3	48.4	64.5	80.6	96.8	25.4	38.1	50.8	63.5	76.2

CHART CONTINUES ON NEXT SHEET

SEE CHART ON SHEETS 3 & 4 FOR SLIDING GLASS DOOR
CAPACITY WITH ANCHORED JAMBS
SEE SHEET 6 FOR SLIDING DOOR CAPACITY WITH FREE
STANDING JAMBS
SEE CHART AT LEFT FOR HEAD ANCHOR LOAD CAPACITY
SEE CHART ON SHEET 13 FOR SILL ANCHOR LOAD CAPACITY
LOWER VALUES FROM ABOVE WILL APPLY

SEE SHEET 17 FOR ANCHOR DESCRIPTION

Sealed 7-3-2024

FL #30338



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

SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)

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

revisions:
no date by description

date: 08-15-19
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
19-76F

sheet 8 of 25

COMP-ANL\19-76F-TGL

DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)															
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'A'													
		1/4" MAX. SHIM SPACE				3/8" MAX. SHIM SPACE				1/2" MAX. SHIM SPACE					
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	4 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	4 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. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	127	89.4	134.2	170.0	170.0	65.8	98.7	131.6	164.5	170.0	51.8	77.7	103.6	129.5	155.4
39		82.6	123.9	165.1	170.0	60.7	91.1	121.5	151.8	170.0	47.8	71.8	95.7	119.5	143.4
42		76.7	115.0	153.3	170.0	56.4	84.6	112.8	140.0	169.2	44.4	66.6	88.8	111.0	133.2
44		73.2	109.8	146.4	170.0	53.8	80.8	107.7	134.6	161.5	42.4	63.6	84.8	106.0	127.1
44-1/4		73.0	109.5	146.0	170.0	53.7	80.5	107.4	134.2	161.0	42.2	63.4	84.5	105.7	126.8
48		67.1	100.6	134.2	170.0	49.3	74.0	98.7	123.4	148.0	38.8	58.3	77.7	97.1	116.6
48-9/16		66.3	99.5	132.6	170.0	48.8	73.2	97.5	121.9	146.3	38.4	57.6	76.8	96.0	115.2
54		59.6	89.4	119.3	170.0	43.8	65.8	87.7	109.6	131.6	34.5	51.8	69.1	86.3	103.6
60		53.7	80.5	107.3	134.2	39.5	59.2	78.9	98.7	118.4	31.1	46.6	62.2	77.7	93.2
66		48.8	73.2	97.6	122.0	35.9	53.8	71.8	89.7	107.7	28.3	42.4	56.5	70.6	84.8
72		44.7	67.1	89.4	100.0	32.9	49.3	65.8	82.2	98.7	25.9	38.9	51.8	64.8	77.7
74		43.5	65.3	87.0	100.0	32.0	48.0	64.0	80.0	96.0	25.2	37.8	50.4	63.0	75.6
36	132	86.1	129.1	170.0	170.0	63.3	95.0	126.6	158.2	170.0	49.8	74.8	99.7	124.6	149.5
39		79.4	119.2	158.9	170.0	58.4	87.7	116.9	146.1	170.0	46.0	69.0	92.0	115.0	138.0
42		73.8	110.6	147.5	170.0	54.2	81.4	108.5	135.6	162.8	42.7	64.1	85.5	106.8	125.0
44		70.4	105.6	140.8	170.0	51.8	77.7	103.6	129.5	155.4	40.8	61.2	81.6	102.0	122.3
44-1/4		70.2	105.3	140.4	170.0	51.6	77.5	103.3	129.1	154.9	40.6	61.0	81.3	101.7	122.0
48		64.5	96.8	129.1	161.4	47.5	71.2	95.0	118.7	142.4	37.4	56.1	74.8	93.5	112.1
54		57.4	86.1	114.7	140.0	42.2	63.3	84.4	105.5	126.6	33.2	49.8	66.5	83.1	99.7
60		51.6	77.5	103.3	129.1	38.0	57.0	76.0	94.9	113.9	29.9	44.9	59.8	74.8	89.7
66		46.9	70.4	93.9	100.0	34.5	51.8	69.1	86.3	100.0	27.2	40.8	54.4	68.0	81.6
72		43.0	64.5	86.1	100.0	31.6	47.5	63.3	79.1	94.9	24.9	37.4	49.8	62.3	74.8
74		41.9	62.8	83.7	100.0	30.8	46.2	61.6	77.0	92.4	24.2	36.4	48.5	60.6	72.7
36	138	82.3	123.5	164.6	170.0	60.5	90.8	121.1	151.4	170.0	47.7	71.5	95.4	119.2	143.0
39		76.0	114.0	152.0	170.0	55.9	83.9	111.8	139.7	167.7	44.0	66.0	88.0	110.0	132.0
42		70.6	105.8	141.1	170.0	51.9	77.9	103.8	129.7	155.7	40.8	61.3	81.7	102.2	122.6
44		67.4	101.0	134.7	168.4	49.5	74.3	99.1	123.8	148.6	39.0	58.5	78.0	97.5	117.0
44-1/4		67.2	100.7	134.3	167.9	49.4	74.1	98.8	123.5	148.2	38.9	58.4	77.8	97.2	116.7
48		61.7	92.6	123.5	154.3	45.4	68.1	90.8	113.5	136.2	35.7	53.7	71.5	89.4	107.3
54		54.9	82.3	109.8	137.2	40.4	60.5	80.7	100.9	121.1	31.8	47.7	63.6	79.5	95.4
60		49.4	74.1	98.8	123.5	36.3	54.5	72.7	90.8	109.0	28.6	42.9	57.2	71.5	85.8
36	144	78.9	118.3	157.8	170.0	58.0	87.1	116.1	145.1	170.0	45.7	68.6	91.4	114.2	137.1
39		72.8	109.2	145.6	170.0	53.5	80.4	107.1	133.9	160.7	42.2	63.3	84.4	105.4	126.5
42		67.6	101.4	135.2	169.0	49.7	74.6	99.5	124.3	149.2	39.1	58.8	78.3	97.9	117.5
44		64.5	96.8	129.1	161.4	47.5	71.2	95.0	118.7	142.4	37.4	56.1	74.8	93.5	112.1
44-1/4		64.4	96.5	128.7	160.9	47.3	71.0	94.7	118.3	142.0	37.3	55.9	74.6	93.2	111.8
48		59.2	88.8	118.3	147.9	43.5	65.3	87.0	108.8	130.5	34.3	51.4	68.5	85.7	102.8
54		52.6	78.9	105.2	131.5	38.7	58.0	77.4	96.7	116.0	30.5	45.7	60.9	76.1	91.4
60		47.3	71.0	94.7	118.3	34.8	52.2	69.6	87.0	104.4	27.4	41.1	54.8	68.5	82.2

SEE CHART ON SHEETS 3 & 4 FOR SLIDING GLASS DOOR
CAPACITY WITH ANCHORED JAMBS
SEE SHEET 6 FOR SLIDING DOOR CAPACITY WITH FREE
STANDING JAMBS
SEE CHART AT LEFT FOR HEAD ANCHOR LOAD CAPACITY
SEE CHART ON SHEET 13 FOR SILL ANCHOR LOAD CAPACITY
LOWER VALUES FROM ABOVE WILL APPLY

SEE SHEET 17 FOR ANCHOR DESCRIPTION



Sealed 7-3-2024

FL #30338

**AL-FAROOQ CORPORATION**
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP - ANL \ 19 - 76F - TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:
no date by description
date: 08-15-19
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no.
19-76F
sheet **8.1** of **25**

DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)															
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'B'													
		1/4" MAX. SHIM SPACE				3/8" MAX. SHIM SPACE					1/2" MAX. SHIM SPACE				
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	4 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	4 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. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	96	134.0	170.0	170.0	170.0	87.0	130.6	170.0	170.0	170.0	68.5	102.8	137.1	170.0	170.0
39		123.7	170.0	170.0	170.0	80.3	120.5	160.7	170.0	170.0	63.2	94.9	126.5	158.2	170.0
42		114.9	170.0	170.0	170.0	74.6	111.9	149.2	170.0	170.0	58.7	88.1	117.5	146.9	170.0
44		109.6	164.5	170.0	170.0	71.2	106.8	142.4	170.0	170.0	56.0	84.1	112.2	140.2	168.2
44-1/4		109.3	164.0	170.0	170.0	71.0	106.5	142.0	170.0	170.0	55.9	83.9	111.8	139.8	167.7
48		100.5	150.8	170.0	170.0	65.3	97.9	130.6	163.2	170.0	51.4	77.1	102.8	128.5	154.2
48-9/16		99.3	149.0	170.0	170.0	64.5	96.8	129.1	161.3	170.0	50.8	76.2	101.6	127.0	152.4
54		89.3	134.0	170.0	170.0	58.0	87.1	116.1	145.1	170.0	45.7	68.6	91.4	114.2	137.1
60		80.4	120.6	160.8	170.0	52.2	78.4	104.5	130.6	156.7	41.1	61.7	82.3	102.8	123.4
66		73.1	109.6	146.2	170.0	47.5	71.2	94.9	118.7	142.4	37.4	56.1	74.8	93.5	112.1
72		67.0	100.5	134.0	167.5	43.5	65.3	87.0	108.8	130.6	34.3	51.4	68.5	85.7	102.8
74		65.2	97.8	130.4	140.0	42.3	63.5	84.7	105.9	127.0	33.3	50.0	66.7	83.4	100.0
78		61.8	92.8	123.7	140.0	40.2	60.3	80.3	100.4	120.5	31.6	47.4	63.3	79.1	94.9
84		57.4	86.1	114.9	140.0	37.3	56.0	74.6	93.3	111.9	29.4	44.1	58.7	73.4	88.1
36	102	126.1	170.0	170.0	170.0	81.9	122.9	163.8	170.0	170.0	64.5	96.8	129.0	161.3	170.0
39		116.4	170.0	170.0	170.0	75.6	113.4	151.2	170.0	170.0	59.5	89.3	119.1	148.9	170.0
42		108.1	162.2	170.0	170.0	70.2	105.3	140.4	170.0	170.0	55.3	83.0	110.6	138.2	165.8
44		103.2	154.8	170.0	170.0	67.0	100.6	134.1	167.6	170.0	52.7	79.2	105.6	131.9	158.3
44-1/4		102.9	154.3	170.0	170.0	66.8	100.3	133.7	167.1	170.0	52.6	79.0	105.3	131.6	157.9
48		94.6	141.9	170.0	170.0	61.4	92.2	122.9	153.6	170.0	48.4	72.6	96.8	120.9	145.1
48-9/16		93.5	140.2	170.0	170.0	60.7	91.1	121.5	151.8	170.0	47.8	71.7	95.6	119.5	143.4
54		84.1	126.1	168.2	170.0	54.6	81.9	109.2	136.5	163.8	43.0	64.5	86.0	107.5	129.0
60		75.7	113.5	151.3	170.0	49.1	73.7	98.3	122.9	147.4	38.7	58.1	77.4	96.8	116.1
66		68.8	103.2	137.6	170.0	44.7	67.0	89.4	111.7	134.0	35.2	52.8	70.4	88.0	105.5
72		63.1	94.6	126.1	140.0	41.0	61.4	81.9	102.4	122.9	32.3	48.4	64.5	80.6	96.8
74		61.4	92.0	122.7	140.0	39.8	59.8	79.7	99.6	119.5	31.4	47.1	62.8	78.4	94.1
78		58.2	87.3	116.4	140.0	37.8	56.7	75.6	94.5	113.4	29.8	44.7	59.5	74.4	89.3
84		54.1	81.1	108.1	135.1	35.1	52.7	70.2	87.8	105.3	27.6	41.5	55.3	69.1	82.9
36	108	119.1	170.0	170.0	170.0	77.3	116.1	154.7	170.0	170.0	60.9	91.4	121.9	152.3	170.0
39		109.9	164.9	170.0	170.0	71.4	107.1	142.8	170.0	170.0	56.2	84.4	112.5	140.6	168.7
42		102.1	153.1	170.0	170.0	66.3	99.5	132.6	165.8	170.0	52.2	78.3	104.4	130.5	156.6
44		97.5	146.2	170.0	170.0	63.3	95.0	126.6	158.2	170.0	49.8	74.8	99.7	124.6	149.5
44-1/4		97.2	145.8	170.0	170.0	63.1	94.7	126.2	157.8	170.0	49.7	74.6	99.4	124.3	149.1
48		89.3	134.0	170.0	170.0	58.0	87.1	116.1	145.1	170.0	45.7	68.6	91.4	114.2	137.1
48-9/16		88.3	132.4	170.0	170.0	57.3	86.0	114.7	143.4	170.0	45.1	67.8	90.3	112.9	135.5
54		79.4	119.1	158.8	170.0	51.6	77.4	103.2	128.9	154.7	40.6	60.9	81.2	101.5	121.8
60		71.5	107.2	142.9	170.0	46.4	69.6	92.8	116.0	139.2	36.5	54.8	73.1	91.4	109.6
66		65.0	97.5	129.9	140.0	42.2	63.3	84.4	105.5	126.6	33.2	49.8	66.5	83.1	99.7
72		59.6	89.3	119.1	140.0	38.7	58.0	77.4	96.7	116.0	30.5	45.7	60.9	76.1	91.4
74		57.9	86.9	115.9	140.0	37.6	56.5	75.3	94.1	112.9	29.6	44.5	59.3	74.1	88.9
78		55.0	82.5	109.9	137.4	35.7	53.6	71.4	89.3	107.1	28.1	42.2	56.2	70.3	84.3
84		51.0	76.6	100.0	100.0	33.2	49.7	66.3	82.9	99.5	26.1	39.2	52.2	65.3	78.3

CHART CONTINUES ON NEXT SHEET

SEE CHART ON SHEETS 3 & 4 FOR SLIDING GLASS DOOR
CAPACITY WITH ANCHORED JAMBS
SEE SHEET 6 FOR SLIDING DOOR CAPACITY WITH FREE
STANDING JAMBS
SEE CHART AT LEFT FOR HEAD ANCHOR LOAD CAPACITY
SEE CHART ON SHEET 13 FOR SILL ANCHOR LOAD CAPACITY
LOWER VALUES FROM ABOVE WILL APPLY

SEE SHEET 17 FOR ANCHOR DESCRIPTION



Sealed 7-3-2024

FL #30338

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

SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)

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

revisions:
no date by description

date: 08-15-19
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
19-76F

sheet 9 of 25

COMP-ANL\19-76F-TGL

DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)															
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'B'													
		1/4" MAX. SHIM SPACE				3/8" MAX. SHIM SPACE					1/2" MAX. SHIM SPACE				
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	4 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	4 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. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	114	112.8	169.3	170.0	170.0	73.3	110.0	146.6	170.0	170.0	57.7	86.6	115.4	144.3	170.0
39		104.2	156.2	170.0	170.0	67.6	101.5	135.3	169.1	170.0	53.2	79.9	106.6	133.2	159.8
42		96.7	145.1	170.0	170.0	62.8	94.3	125.7	157.1	170.0	49.4	74.2	98.9	123.7	148.4
44		92.3	138.5	170.0	170.0	59.9	90.0	119.9	149.9	170.0	47.2	70.9	94.4	118.0	141.6
44-1/4		92.1	138.1	170.0	170.0	59.8	89.7	119.6	149.5	170.0	47.1	70.7	94.2	117.7	141.2
48		84.6	126.9	169.3	170.0	54.9	82.5	109.9	137.4	164.9	43.3	64.9	86.6	108.2	129.8
48-9/16		83.7	125.5	167.3	170.0	54.3	81.5	108.7	135.8	163.0	42.8	64.2	85.6	107.0	128.3
54		75.2	112.8	150.5	170.0	48.8	73.3	97.7	122.2	146.6	38.5	57.7	77.0	96.2	115.4
60		67.7	101.6	135.4	169.3	44.0	66.0	88.0	109.9	131.9	34.6	52.0	69.3	86.6	103.9
66		61.6	92.3	123.1	140.0	40.0	60.0	80.0	99.9	119.9	31.5	47.2	63.0	78.7	94.4
72		56.4	84.6	112.8	140.0	36.6	55.0	73.3	91.6	109.9	28.9	43.3	57.7	72.1	86.6
74		54.9	82.3	109.8	137.2	35.7	53.5	71.3	89.1	107.0	28.1	42.1	56.2	70.2	84.2
78		52.1	78.1	100.0	100.0	33.8	50.7	67.7	84.6	100.0	26.6	40.0	53.3	66.6	79.9
84		48.4	72.5	96.7	100.0	31.4	47.1	62.8	78.5	94.2	24.7	37.1	49.5	61.8	74.2
36	117-3/4	109.2	163.9	170.0	170.0	70.9	106.5	141.9	170.0	170.0	55.8	83.8	111.8	139.7	167.6
39		100.8	151.3	170.0	170.0	65.5	98.3	131.0	163.7	170.0	51.6	77.4	103.2	128.9	154.7
42		93.6	140.5	170.0	170.0	60.8	91.3	121.7	152.1	170.0	47.9	71.9	95.8	119.7	143.7
44		89.4	134.1	170.0	170.0	58.0	87.1	116.1	145.1	170.0	45.7	68.6	91.4	114.3	137.1
44-1/4		89.1	133.7	170.0	170.0	57.9	86.9	115.8	144.7	170.0	45.6	68.4	91.2	114.0	136.7
48		81.9	122.9	163.9	170.0	53.2	79.8	106.4	133.0	159.6	41.9	62.9	83.8	104.8	125.7
48-9/16		81.0	121.5	162.0	170.0	52.6	78.9	105.2	131.5	157.8	41.4	62.2	82.9	103.6	124.3
54		72.8	109.2	145.7	170.0	47.3	71.0	94.6	118.3	141.9	37.2	55.9	74.5	93.1	111.7
60		65.5	98.3	131.1	140.0	42.6	63.9	85.1	106.4	127.7	33.5	50.3	67.0	83.8	100.6
66		59.6	89.4	119.2	140.0	38.7	58.1	77.4	96.8	116.1	30.5	45.7	61.0	76.2	91.4
72		54.6	81.9	109.2	136.6	35.5	53.2	71.0	88.7	106.4	27.9	41.9	55.9	69.8	83.8
74		53.1	79.7	100.0	100.0	34.5	51.8	69.0	86.3	100.0	27.2	40.8	54.4	68.0	81.5
78		50.4	75.6	100.0	100.0	32.7	49.1	65.5	81.9	98.2	25.8	38.7	51.6	64.5	77.4
36	120-5/8	106.6	160.0	170.0	170.0	69.2	103.9	138.5	170.0	170.0	54.5	81.8	109.1	136.4	163.6
39		98.4	147.7	170.0	170.0	63.9	95.9	127.9	159.8	170.0	50.3	75.5	100.7	125.9	151.0
42		91.4	137.1	170.0	170.0	59.3	89.1	118.8	148.4	170.0	46.7	70.1	93.5	116.9	140.2
44		87.3	130.9	170.0	170.0	56.7	85.0	113.4	141.7	170.0	44.6	67.0	89.3	111.6	133.9
44-1/4		87.0	130.5	170.0	170.0	56.5	84.8	113.0	141.3	169.5	44.5	66.8	89.0	111.2	133.5
48		80.0	120.0	160.0	170.0	51.9	77.9	103.9	129.9	155.8	40.9	61.4	81.8	102.3	122.7
48-9/16		79.1	118.6	158.1	170.0	51.3	77.0	102.7	128.4	154.0	40.4	60.7	80.9	101.1	121.3
54		71.1	106.6	142.2	170.0	46.2	69.3	92.4	115.4	138.5	36.3	54.6	72.7	90.9	109.1
60		64.0	96.0	128.0	140.0	41.6	62.3	83.1	103.9	124.7	32.7	49.1	65.5	81.8	98.2
66		58.2	87.3	116.3	140.0	37.8	56.7	75.6	94.5	113.3	29.8	44.6	59.5	74.4	89.3
72		53.3	80.0	100.0	100.0	34.6	51.9	69.3	86.6	100.0	27.3	40.9	54.5	68.2	81.8
74		51.9	77.8	100.0	100.0	33.7	50.5	67.4	84.2	100.0	26.5	39.8	53.1	66.3	79.6
78		49.2	73.8	98.4	100.0	32.0	48.0	63.9	79.9	95.9	25.2	37.8	50.3	62.9	75.5
36	126	102.1	153.1	170.0	170.0	66.3	99.5	132.6	165.8	170.0	52.2	78.3	104.4	130.5	156.6
39		94.2	141.4	170.0	170.0	61.2	91.8	122.4	153.0	170.0	48.2	72.3	96.4	120.5	144.6
42		87.5	131.3	170.0	170.0	56.8	85.3	113.7	142.1	170.0	44.7	67.2	89.5	111.9	134.3
44		83.5	125.3	167.1	170.0	54.2	81.4	108.5	135.6	162.8	42.7	64.1	85.5	106.8	128.2
44-1/4		83.3	124.9	166.6	170.0	54.1	81.2	108.2	135.3	162.3	42.6	63.9	85.2	106.5	127.8
48		76.6	114.9	153.1	170.0	49.7	74.6	99.5	124.3	149.2	39.1	58.8	78.3	97.9	117.5
48-9/16		75.7	113.5	151.4	170.0	49.1	73.8	98.3	122.9	147.5	38.7	58.1	77.4	96.8	116.1
54		68.1	102.1	136.1	170.0	44.2	66.3	88.4	110.5	132.6	34.8	52.2	69.6	87.0	104.4
60		61.3	91.9	122.5	140.0	39.8	59.7	79.6	99.5	119.4	31.3	47.0	62.7	78.3	94.0
66		55.7	83.5	111.4	139.2	36.2	54.3	72.3	90.4	108.5	28.5	42.7	57.0	71.2	85.4
72		51.0	76.6	100.0	100.0	33.2	49.7	66.3	82.9	99.5	26.1	39.2	52.2	65.3	78.3
74		49.7	74.5	99.3	100.0	32.3	48.4	64.5	80.6	96.8	25.4	38.1	50.8	63.5	76.2

CHART CONTINUES ON NEXT SHEET

SEE CHART ON SHEETS 3 & 4 FOR SLIDING GLASS DOOR
CAPACITY WITH ANCHORED JAMBS
SEE SHEET 6 FOR SLIDING DOOR CAPACITY WITH FREE
STANDING JAMBS
SEE CHART AT LEFT FOR HEAD ANCHOR LOAD CAPACITY
SEE CHART ON SHEET 13 FOR SILL ANCHOR LOAD CAPACITY
LOWER VALUES FROM ABOVE WILL APPLY

SEE SHEET 17 FOR ANCHOR DESCRIPTION

Sealed 7-3-2024

FL #30338



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

SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
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TEL. (305) 638-5151
FAX. (305) 638-5158

revisions:
no date by description

date: 08-15-19
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
19-76F
sheet 10 of 25

COMP-ANI\19-76F-TGL

DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)															
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'B'													
		1/4" MAX. SHIM SPACE				3/8" MAX. SHIM SPACE				1/2" MAX. SHIM SPACE					
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS	4 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	4 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. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	127	101.3	151.9	170.0	170.0	65.8	98.7	131.6	164.5	170.0	51.8	77.7	103.6	129.5	155.4
39		93.5	140.2	170.0	170.0	60.7	91.1	121.5	151.8	170.0	47.8	71.8	95.7	119.5	143.4
42		86.8	130.2	170.0	170.0	56.4	84.6	112.8	141.0	169.2	44.4	66.6	88.8	111.0	133.2
44		82.9	124.3	165.7	170.0	53.8	80.8	107.7	134.6	161.5	42.4	63.6	84.8	106.0	127.1
44-1/4		82.6	124.0	165.3	170.0	53.7	80.5	107.4	134.2	161.0	42.2	63.4	84.5	105.7	126.8
48		76.0	114.0	151.9	170.0	49.3	74.0	98.7	123.4	148.0	38.8	58.3	77.7	97.1	116.6
48-9/16		75.1	112.6	150.2	170.0	48.8	73.2	97.5	121.9	146.3	38.4	57.6	76.8	96.0	115.2
54		67.5	101.3	135.1	168.8	43.8	65.8	87.7	109.6	131.6	34.5	51.8	69.1	86.3	103.6
60		60.8	91.2	121.5	140.0	39.5	59.2	78.9	98.7	118.4	31.1	46.6	62.2	77.7	93.2
66		55.2	82.9	110.5	138.1	35.9	53.8	71.8	89.7	107.7	28.3	42.4	56.5	70.6	84.8
72		50.6	76.0	100.0	100.0	32.9	49.3	65.8	82.2	98.7	25.9	38.9	51.8	64.8	77.7
74		49.3	73.9	98.6	100.0	32.0	48.0	64.0	80.0	96.0	25.2	37.8	50.4	63.0	75.6
36	132	97.5	146.2	170.0	170.0	63.3	95.0	126.6	158.2	170.0	49.8	74.8	99.7	124.6	149.5
39		90.0	134.9	170.0	170.0	58.4	87.7	116.9	146.1	170.0	46.0	69.0	92.0	115.0	138.0
42		83.5	125.0	167.1	170.0	54.2	81.4	108.5	135.6	162.8	42.7	64.1	85.5	106.8	125.0
44		79.7	119.6	159.5	170.0	51.8	77.7	103.6	129.5	155.4	40.8	61.2	81.6	102.0	122.3
44-1/4		79.5	119.3	159.0	170.0	51.6	77.5	103.3	129.1	154.9	40.6	61.0	81.3	101.7	122.0
48		73.1	109.6	146.2	170.0	47.5	71.2	95.0	118.7	142.4	37.4	56.1	74.8	93.5	112.1
54		65.0	97.5	129.9	140.0	42.2	63.3	84.4	105.5	126.6	33.2	49.8	66.5	83.1	99.7
60		58.5	87.7	116.9	140.0	38.0	57.0	76.0	94.9	113.9	29.9	44.9	59.8	74.8	89.7
66		53.2	79.7	100.0	100.0	34.5	51.8	69.1	86.3	100.0	27.2	40.8	54.4	68.0	81.6
72		48.7	73.1	97.5	100.0	31.6	47.5	63.3	79.1	94.9	24.9	37.4	49.8	62.3	74.8
74		47.4	71.1	94.8	100.0	30.8	46.2	61.6	77.0	92.4	24.2	36.4	48.5	60.6	72.7
36	138	93.2	139.8	170.0	170.0	60.5	90.8	121.1	151.4	170.0	47.7	71.5	95.4	119.2	143.0
39		86.0	129.1	170.0	170.0	55.9	83.9	111.8	139.7	167.7	44.0	66.0	88.0	110.0	132.0
42		79.9	119.9	159.8	170.0	51.9	77.9	103.8	129.7	155.7	40.8	61.3	81.7	102.2	122.6
44		76.3	114.4	152.5	170.0	49.5	74.3	99.1	123.8	148.6	39.0	58.5	78.0	97.5	117.0
44-1/4		76.1	114.1	152.1	170.0	49.4	74.1	98.8	123.5	148.2	38.9	58.4	77.8	97.2	116.7
48		69.9	104.9	139.8	170.0	45.4	68.1	90.8	113.5	136.2	35.7	53.7	71.5	89.4	107.3
54		62.1	93.2	124.3	140.0	40.4	60.5	80.7	100.9	121.1	31.8	47.7	63.6	79.5	95.4
60		55.9	83.9	111.9	139.8	36.3	54.5	72.7	90.8	109.0	28.6	42.9	57.2	71.5	85.8
36	144	89.3	134.0	170.0	170.0	58.0	87.1	116.1	145.1	170.0	45.7	68.6	91.4	114.2	137.1
39		82.5	123.7	164.9	170.0	53.5	80.4	107.1	133.9	160.7	42.2	63.3	84.4	105.4	126.5
42		76.6	114.9	153.1	170.0	49.7	74.6	99.5	124.3	149.2	39.1	58.8	78.3	97.9	117.5
44		73.1	109.6	146.2	170.0	47.5	71.2	95.0	118.7	142.4	37.4	56.1	74.8	93.5	112.1
44-1/4		72.9	109.3	145.8	170.0	47.3	71.0	94.7	118.3	142.0	37.3	55.9	74.6	93.2	111.8
48		67.0	100.5	134.0	167.5	43.5	65.3	87.0	108.8	130.5	34.3	51.4	68.5	85.7	102.8
54		59.6	89.3	119.1	140.0	38.7	58.0	77.4	96.7	116.0	30.5	45.7	60.9	76.1	91.4
60		53.6	80.4	107.2	134.0	34.8	52.2	69.6	87.0	104.4	27.4	41.1	54.8	68.5	82.2

SEE CHART ON SHEETS 3 & 4 FOR SLIDING GLASS DOOR
CAPACITY WITH ANCHORED JAMBS
SEE SHEET 6 FOR SLIDING DOOR CAPACITY WITH FREE
STANDING JAMBS
SEE CHART AT LEFT FOR HEAD ANCHOR LOAD CAPACITY
SEE CHART ON SHEET 13 FOR SILL ANCHOR LOAD CAPACITY
LOWER VALUES FROM ABOVE WILL APPLY

SEE SHEET 17 FOR ANCHOR DESCRIPTION

Sealed 7-3-2024

FL #30338



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

SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:
no date by description
date: 08-15-19
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no.
19-76F
sheet 10.1 of 25

COMP-ANL\19-76F-TGL

DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)														
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'C'												
		1/4" MAX. SHIM SPACE			3/8" MAX. SHIM SPACE					1/2" MAX. SHIM SPACE				
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	4 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	4 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. (-)	EXT. (+) INT. (-)
36	96	166.3	170.0	170.0	123.8	170.0	170.0	170.0	170.0	98.7	148.0	170.0	170.0	170.0
39		153.5	170.0	170.0	114.3	170.0	170.0	170.0	170.0	91.1	136.6	170.0	170.0	170.0
42		142.6	170.0	170.0	106.1	159.3	170.0	170.0	170.0	84.6	126.9	169.1	170.0	170.0
44		136.1	170.0	170.0	101.3	152.0	170.0	170.0	170.0	80.7	121.1	161.5	170.0	170.0
44-1/4		135.7	170.0	170.0	101.0	151.6	170.0	170.0	170.0	80.5	120.7	161.0	170.0	170.0
48		124.8	170.0	170.0	92.9	139.4	170.0	170.0	170.0	74.0	111.0	148.0	170.0	170.0
48-9/16		123.3	170.0	170.0	91.8	137.8	170.0	170.0	170.0	73.1	109.7	146.3	170.0	170.0
54		110.9	166.3	170.0	82.6	123.9	165.2	170.0	170.0	65.8	98.7	131.6	164.4	170.0
60		99.8	149.7	170.0	74.3	111.5	148.7	170.0	170.0	59.2	88.8	118.4	148.0	170.0
66		90.7	136.1	170.0	67.6	101.3	135.1	168.9	170.0	53.8	80.7	107.6	134.5	161.5
72		83.2	124.8	166.3	61.9	92.9	123.9	154.8	170.0	49.3	74.0	98.7	123.3	148.0
74		80.9	121.4	140.0	60.3	90.4	120.5	140.0	140.0	48.0	72.0	96.0	120.0	140.0
78		76.8	115.2	140.0	57.2	85.8	114.3	140.0	140.0	45.5	68.3	91.1	113.8	136.6
84		71.3	106.9	140.0	53.1	79.6	106.2	132.7	140.0	42.3	63.4	84.6	105.7	126.9
36	102	156.5	170.0	170.0	116.5	170.0	170.0	170.0	170.0	92.9	139.3	170.0	170.0	170.0
39		144.5	170.0	170.0	107.6	161.4	170.0	170.0	170.0	85.7	128.6	170.0	170.0	170.0
42		134.2	170.0	170.0	99.9	149.9	170.0	170.0	170.0	79.6	119.4	159.2	170.0	170.0
44		128.1	170.0	170.0	95.4	143.1	170.0	170.0	170.0	76.0	114.0	152.0	170.0	170.0
44-1/4		127.7	170.0	170.0	95.1	142.7	170.0	170.0	170.0	75.8	113.6	151.5	170.0	170.0
48		117.4	170.0	170.0	87.4	131.2	170.0	170.0	170.0	69.6	104.5	139.3	170.0	170.0
48-9/16		116.1	170.0	170.0	86.4	129.7	170.0	170.0	170.0	68.8	103.3	137.7	170.0	170.0
54		104.4	156.5	170.0	77.7	116.6	155.5	170.0	170.0	61.9	92.9	123.8	154.8	170.0
60		93.9	140.9	170.0	69.9	104.9	139.9	170.0	170.0	55.7	83.6	111.4	139.3	167.2
66		85.4	128.1	170.0	63.6	95.4	127.2	159.0	170.0	50.7	76.0	101.3	126.6	152.0
72		78.3	117.4	140.0	58.3	87.4	116.6	140.0	140.0	46.4	69.6	92.9	116.1	139.3
74		76.2	114.2	140.0	56.7	85.1	113.4	140.0	140.0	45.2	67.8	90.4	112.9	135.5
78		72.3	108.4	140.0	53.8	80.7	107.6	134.5	140.0	42.9	64.3	85.7	107.1	128.6
84		67.1	100.6	134.2	50.0	74.9	99.9	124.9	140.0	39.8	59.7	79.6	99.5	119.4
36	108	147.9	170.0	170.0	110.1	165.2	170.0	170.0	170.0	87.7	131.6	170.0	170.0	170.0
39		136.5	170.0	170.0	101.6	152.5	170.0	170.0	170.0	81.0	121.4	161.9	170.0	170.0
42		126.7	170.0	170.0	94.3	141.6	170.0	170.0	170.0	75.2	112.8	150.3	170.0	170.0
44		121.0	170.0	170.0	90.1	135.2	170.0	170.0	170.0	71.8	107.6	143.5	170.0	170.0
44-1/4		120.6	170.0	170.0	89.8	134.8	170.0	170.0	170.0	71.6	107.3	143.1	170.0	170.0
48		110.9	166.3	170.0	82.6	123.9	165.2	170.0	170.0	65.8	98.7	131.6	164.4	170.0
48-9/16		109.6	164.4	170.0	81.6	122.5	163.3	170.0	170.0	65.0	97.5	130.0	162.5	170.0
54		98.6	147.9	170.0	73.4	110.1	146.8	170.0	170.0	58.5	87.7	116.9	146.2	170.0
60		88.7	133.1	170.0	66.0	99.1	132.1	165.2	170.0	52.6	78.9	105.2	131.6	157.9
66		80.6	121.0	140.0	60.1	90.1	120.1	140.0	140.0	47.8	71.8	95.7	119.6	140.0
72		73.9	110.9	140.0	55.1	82.6	110.1	137.6	140.0	43.9	65.8	87.7	109.6	131.6
74		71.9	107.9	140.0	53.6	80.3	107.1	133.9	140.0	42.7	64.0	85.3	106.7	128.0
78		68.2	102.4	136.5	50.8	76.2	101.6	127.0	140.0	40.5	60.7	81.0	101.2	121.4
84		63.4	95.0	100.0	47.2	70.8	94.4	100.0	100.0	37.6	56.4	75.2	94.0	100.0

CHART CONTINUES ON NEXT SHEET

SEE CHART ON SHEETS 3 & 4 FOR SLIDING GLASS DOOR
CAPACITY WITH ANCHORED JAMBS
SEE SHEET 6 FOR SLIDING DOOR CAPACITY WITH FREE
STANDING JAMBS
SEE CHART AT LEFT FOR HEAD ANCHOR LOAD CAPACITY
SEE CHART ON SHEET 13 FOR SILL ANCHOR LOAD CAPACITY
LOWER VALUES FROM ABOVE WILL APPLY

SEE SHEET 17 FOR ANCHOR DESCRIPTION

Sealed 7-3-2024

FL #30338





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

SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)

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

revisions:

no	date	by	description

date: 08-15-19

scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

drawing no.

19-76F

sheet 11 of 25

COMP-ANL\19-76F-TGL

DESIGN LOAD CAPACITY – PSF (HEAD ANCHORS)														
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'C'												
		1/4" MAX. SHIM SPACE			3/8" MAX. SHIM SPACE					1/2" MAX. SHIM SPACE				
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB
		4 ANCHORS AT MTG. STYLE ENDS	6 ANCHORS AT MTG. STYLE ENDS	8 ANCHORS AT MTG. STYLE ENDS	4 ANCHORS AT MTG. STYLE ENDS	6 ANCHORS AT MTG. STYLE ENDS	8 ANCHORS AT MTG. STYLE ENDS	10 ANCHORS AT MTG. STYLE ENDS	12 ANCHORS AT MTG. STYLE ENDS	4 ANCHORS AT MTG. STYLE ENDS	6 ANCHORS AT MTG. STYLE ENDS	8 ANCHORS AT MTG. STYLE ENDS	10 ANCHORS AT MTG. STYLE ENDS	12 ANCHORS AT MTG. STYLE 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. (–)	EXT. (+) INT. (–)
36	114	140.1	170.0	170.0	104.3	156.5	170.0	170.0	170.0	83.1	124.6	166.2	170.0	170.0
39		129.3	170.0	170.0	96.3	144.5	170.0	170.0	170.0	76.7	115.0	153.4	170.0	170.0
42		120.1	170.0	170.0	89.4	134.1	170.0	170.0	170.0	71.2	106.8	142.4	170.0	170.0
44		114.6	170.0	170.0	85.3	128.0	170.0	170.0	170.0	68.0	102.0	136.0	170.0	170.0
44–1/4		114.3	170.0	170.0	85.1	127.7	170.0	170.0	170.0	67.8	101.7	135.6	169.5	170.0
48		105.1	157.6	170.0	78.2	117.4	156.5	170.0	170.0	62.3	93.5	124.6	155.8	170.0
48–9/16		103.8	155.8	170.0	77.3	116.0	154.7	170.0	170.0	61.6	92.4	123.2	154.0	170.0
54		93.4	140.1	170.0	69.5	104.3	139.1	170.0	170.0	55.4	83.1	110.8	138.5	166.2
60		84.0	126.1	168.1	62.6	93.9	125.2	156.5	170.0	49.9	74.8	99.7	124.6	149.6
66		76.4	114.6	140.0	56.9	85.3	113.8	140.0	140.0	45.3	68.0	90.6	113.3	136.0
72		70.0	105.1	140.0	52.2	78.2	104.3	130.4	140.0	41.5	62.3	83.1	103.9	124.6
74		68.1	102.2	136.3	50.7	76.1	101.5	126.9	140.0	40.4	60.6	80.8	101.1	121.3
78		64.6	97.0	100.0	48.1	72.2	96.3	100.0	100.0	38.3	57.5	76.7	95.9	100.0
84		60.0	90.0	100.0	44.7	67.1	89.4	100.0	100.0	35.6	53.4	71.2	89.0	100.0
36	117–3/4	135.6	170.0	170.0	101.0	151.5	170.0	170.0	170.0	80.4	120.7	160.9	170.0	170.0
39		125.2	170.0	170.0	93.2	139.9	170.0	170.0	170.0	74.3	111.4	148.5	170.0	170.0
42		116.2	170.0	170.0	86.5	129.9	170.0	170.0	170.0	68.9	103.4	137.9	170.0	170.0
44		111.0	166.4	170.0	82.6	124.0	165.3	170.0	170.0	65.8	98.7	131.6	164.5	170.0
44–1/4		110.6	166.0	170.0	82.4	123.6	164.8	170.0	170.0	65.6	98.4	131.3	164.1	170.0
48		101.7	152.6	170.0	75.7	113.6	151.5	170.0	170.0	60.3	90.5	120.7	150.8	170.0
48–9/16		100.5	150.8	170.0	74.8	112.3	149.7	170.0	150.0	59.6	89.4	119.3	149.1	170.0
54		90.4	135.6	170.0	67.3	101.0	134.7	168.3	125.0	53.6	80.4	107.3	134.1	160.9
60		81.4	122.0	140.0	60.6	90.9	121.2	140.0	140.0	48.3	72.4	96.5	120.7	140.0
66		74.0	111.0	140.0	55.1	82.6	110.2	137.7	140.0	43.9	65.8	87.8	109.7	131.6
72		67.8	101.7	135.6	50.5	75.7	101.0	126.2	140.0	40.2	60.3	80.4	100.6	120.7
74		66.0	99.0	100.0	49.1	73.7	98.3	100.0	100.0	39.1	58.7	78.3	97.8	100.0
78		62.6	93.9	100.0	46.6	69.9	93.2	100.0	100.0	37.1	55.7	74.3	92.8	100.0
36	120–5/8	132.4	170.0	170.0	98.6	147.9	170.0	170.0	170.0	78.5	117.8	157.0	170.0	170.0
39		122.2	170.0	170.0	91.0	136.5	170.0	170.0	170.0	72.5	108.7	145.0	170.0	170.0
42		113.5	170.0	170.0	84.5	126.8	169.0	170.0	170.0	67.3	101.0	134.6	168.3	170.0
44		108.3	162.5	170.0	80.6	121.0	161.3	170.0	170.0	64.2	96.4	128.5	160.6	170.0
44–1/4		108.0	162.0	170.0	80.4	120.7	160.9	170.0	170.0	64.1	96.1	128.1	160.2	170.0
48		99.3	148.9	170.0	73.9	110.9	147.9	170.0	170.0	58.9	88.3	117.8	147.2	170.0
48–9/16		98.1	147.2	170.0	73.1	109.6	146.2	170.0	170.0	58.2	87.3	116.4	145.5	170.0
54		88.3	132.4	170.0	65.7	98.6	131.4	164.3	170.0	52.3	78.5	104.7	130.9	157.0
60		79.4	119.1	140.0	59.1	88.7	118.3	140.0	140.0	47.1	70.7	94.2	117.8	140.0
66		72.2	108.3	140.0	53.8	80.7	107.5	134.4	140.0	42.8	64.2	85.7	107.1	128.5
72		66.2	99.3	100.0	49.3	73.9	98.6	100.0	100.0	39.3	58.9	78.5	98.2	100.0
74		64.4	96.6	100.0	48.0	71.9	95.9	100.0	100.0	38.2	57.3	76.4	95.5	100.0
78		61.1	91.6	100.0	45.5	68.2	91.0	100.0	100.0	36.2	54.4	72.5	90.6	100.0
36	126	126.7	170.0	170.0	94.3	141.6	170.0	170.0	170.0	75.2	112.8	150.3	170.0	170.0
39		117.0	170.0	170.0	87.1	130.7	170.0	170.0	170.0	69.4	104.1	138.8	170.0	170.0
42		108.6	162.9	170.0	80.9	121.4	161.8	170.0	170.0	64.4	96.7	128.9	161.1	170.0
44		103.7	155.5	170.0	77.2	115.8	154.4	170.0	170.0	61.5	92.3	123.0	153.8	170.0
44–1/4		103.4	155.1	170.0	77.0	115.5	154.0	170.0	170.0	61.3	92.0	122.7	153.3	170.0
48		95.0	142.6	170.0	70.8	106.2	141.6	170.0	170.0	56.4	84.6	112.8	141.0	169.1
48–9/16		93.9	140.9	170.0	69.9	105.0	139.9	170.0	170.0	55.7	83.6	111.5	139.3	167.2
54		84.5	126.7	169.0	62.9	94.4	125.8	157.3	170.0	50.1	75.2	100.2	125.0	150.3
60		76.0	114.1	140.0	56.6	84.9	113.2	140.0	140.0	45.1	67.7	90.2	112.8	135.3
66		69.1	103.7	138.3	51.5	77.2	103.0	128.7	140.0	41.0	61.5	82.0	102.5	123.0
72		63.4	95.0	100.0	47.2	70.8	94.4	100.0	100.0	37.6	56.4	75.2	94.0	100.0
74		61.7	92.5	100.0	45.9	68.9	91.8	100.0	100.0	36.6	54.9	73.1	91.4	100.0

CHART CONTINUES ON NEXT SHEET

SEE CHART ON SHEETS 3 & 4 FOR SLIDING GLASS DOOR
CAPACITY WITH ANCHORED JAMBS
SEE SHEET 6 FOR SLIDING DOOR CAPACITY WITH FREE
STANDING JAMBS
SEE CHART AT LEFT FOR HEAD ANCHOR LOAD CAPACITY
SEE CHART ON SHEET 13 FOR SILL ANCHOR LOAD CAPACITY
LOWER VALUES FROM ABOVE WILL APPLY

SEE SHEET 17 FOR ANCHOR DESCRIPTION

Sealed 7-3-2024

FL #30338



**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)

SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:
no date by description
date: 08-15-19
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no.
19-76F
sheet 12 of 25

COMP-ANL\19-76F-TGL

DESIGN LOAD CAPACITY – PSF (HEAD ANCHORS)														
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'C'												
		1/4" MAX. SHIM SPACE			3/8" MAX. SHIM SPACE					1/2" MAX. SHIM SPACE				
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	6 ANCHORS AT FREE STAND. JAMB
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	4 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	4 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. (–)	EXT. (+) INT. (–)
36	127	125.7	170.0	170.0	93.6	140.5	170.0	170.0	170.0	74.6	111.9	149.2	170.0	170.0
39		116.1	170.0	170.0	86.4	129.7	170.0	170.0	170.0	68.8	103.3	137.7	170.0	170.0
42		107.8	161.7	170.0	80.2	120.4	160.5	170.0	170.0	63.9	95.9	127.9	159.8	170.0
44		102.9	154.3	170.0	76.6	114.9	153.2	170.0	170.0	61.0	91.5	122.0	152.6	170.0
44–1/4		102.6	153.9	170.0	76.4	114.6	152.8	170.0	170.0	60.8	91.3	121.7	152.1	170.0
48		94.3	141.4	170.0	70.2	105.4	140.5	170.0	170.0	55.9	83.9	111.9	139.8	167.8
48–9/16		93.2	139.8	170.0	69.4	104.1	138.8	170.0	170.0	55.3	82.9	110.6	138.2	165.9
54		83.8	125.7	167.6	62.4	93.6	124.9	156.1	170.0	49.7	74.6	99.4	124.3	149.2
60		75.4	113.2	140.0	56.2	84.3	112.4	140.0	140.0	44.7	67.1	89.5	111.9	134.2
66		68.6	102.9	137.2	51.1	76.6	102.1	127.7	140.0	40.7	61.0	81.4	101.7	122.0
72		62.9	94.3	100.0	46.8	70.2	93.6	100.0	100.0	37.3	55.9	74.6	93.2	100.0
74		61.2	91.8	100.0	45.6	68.3	91.1	100.0	100.0	36.3	54.4	72.6	90.7	100.0
36	132	121.0	170.0	170.0	90.1	135.2	170.0	170.0	170.0	71.8	107.6	143.5	170.0	170.0
39		111.7	167.5	170.0	83.1	124.8	166.3	170.0	170.0	66.2	99.4	132.5	165.6	170.0
42		103.7	155.5	170.0	77.2	115.8	154.4	170.0	170.0	61.5	92.3	123.0	153.8	170.0
44		99.0	148.5	170.0	73.7	110.6	147.4	170.0	170.0	58.7	88.1	117.4	146.8	170.0
44–1/4		98.7	148.0	170.0	73.5	110.3	147.0	170.0	170.0	58.5	87.8	117.1	146.4	170.0
48		90.7	136.1	170.0	67.5	101.4	135.1	168.9	170.0	53.8	80.7	107.6	134.5	161.5
54		80.6	121.0	140.0	60.1	90.1	120.1	140.0	140.0	47.8	71.8	95.7	119.6	140.0
60		72.6	108.9	140.0	54.1	81.1	108.1	135.1	140.0	43.1	64.6	86.1	107.6	129.2
66		66.0	99.0	100.0	49.1	73.7	98.3	100.0	100.0	39.1	58.7	78.3	97.9	100.0
72		60.5	90.7	100.0	45.0	67.6	90.1	100.0	100.0	35.9	53.8	71.8	89.7	100.0
74		58.9	88.3	100.0	43.8	65.7	87.7	100.0	100.0	34.9	52.4	69.8	87.3	100.0
36	138	115.7	170.0	170.0	86.1	129.3	170.0	170.0	170.0	68.6	103.0	137.3	170.0	170.0
39		106.8	160.2	170.0	79.5	119.3	159.1	170.0	170.0	63.4	95.0	126.7	158.4	170.0
42		99.2	148.8	170.0	73.8	110.8	147.7	170.0	170.0	58.8	88.2	117.7	147.1	170.0
44		94.7	142.0	170.0	70.5	105.8	141.0	170.0	170.0	56.2	84.2	112.3	140.4	168.5
44–1/4		94.4	141.6	170.0	70.3	105.5	140.6	170.0	170.0	56.0	84.0	112.0	140.0	168.0
48		86.8	130.2	170.0	64.6	97.0	129.3	161.6	170.0	51.5	77.2	103.0	128.7	154.4
54		77.1	115.7	140.0	57.4	86.2	114.9	140.0	140.0	45.8	68.6	91.5	114.4	137.3
60		69.4	104.1	138.9	51.7	77.6	103.4	129.3	140.0	41.2	61.8	82.4	103.0	123.5
36	144	110.9	166.3	170.0	82.6	123.9	165.2	170.0	170.0	65.8	98.7	131.6	164.4	170.0
39		102.4	153.5	170.0	76.2	114.4	152.5	170.0	170.0	60.7	91.1	121.4	151.8	170.0
42		95.0	142.6	170.0	70.8	106.2	141.6	170.0	170.0	56.4	84.6	112.8	141.0	169.1
44		90.7	136.1	170.0	67.5	101.4	135.1	168.9	170.0	53.8	80.7	107.6	134.5	161.5
44–1/4		90.5	135.7	170.0	67.4	101.1	134.8	168.4	170.0	53.7	80.5	107.3	134.2	161.0
48		83.2	124.8	166.3	61.9	92.9	123.9	154.8	170.0	49.3	74.0	98.7	123.3	148.0
54		73.9	110.9	140.0	55.1	82.6	110.1	137.6	140.0	43.9	65.8	87.7	109.6	131.6
60		66.5	99.8	133.1	49.5	74.3	99.1	123.9	140.0	39.5	59.2	78.9	98.7	118.4

SEE CHART ON SHEETS 3 & 4 FOR SLIDING GLASS DOOR
CAPACITY WITH ANCHORED JAMBS
SEE SHEET 6 FOR SLIDING DOOR CAPACITY WITH FREE
STANDING JAMBS
SEE CHART AT LEFT FOR HEAD ANCHOR LOAD CAPACITY
SEE CHART ON SHEET 13 FOR SILL ANCHOR LOAD CAPACITY
LOWER VALUES FROM ABOVE WILL APPLY

SEE SHEET 17 FOR ANCHOR DESCRIPTION

Sealed 7-3-2024

FL #30338





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

SERIES—DM12 ALUM SLD. GLASS DOOR (S.M.I.)

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

revisions:

no	date	by	description

date: 08-15-19

scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

drawing no.

19-76F

sheet 12.1 of 25

COMP—ANL\19-76F—TGL

DESIGN LOAD CAPACITY - PSF (SILL ANCHORS)					
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'D'			
		1/4" MAX. SHIM SPACE			
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	96	134.0	170.0	170.0	170.0
39		123.7	170.0	170.0	170.0
42		114.9	170.0	170.0	170.0
44		109.6	164.5	170.0	170.0
44-1/4		109.3	164.0	170.0	170.0
48		100.5	150.8	170.0	170.0
48-9/16		99.3	149.0	170.0	170.0
54		89.3	134.0	170.0	170.0
60		80.4	120.6	160.8	170.0
66		73.1	109.6	146.2	170.0
72		67.0	100.5	134.0	167.5
74		65.2	97.8	130.4	140.0
78		61.8	92.8	123.7	140.0
84		57.4	86.1	114.9	140.0
36	102	126.1	170.0	170.0	170.0
39		116.4	170.0	170.0	170.0
42		108.1	162.2	170.0	170.0
44		103.2	154.8	170.0	170.0
44-1/4		102.9	154.3	170.0	170.0
48		94.6	141.9	170.0	170.0
48-9/16		93.5	140.2	170.0	170.0
54		84.1	126.1	168.2	170.0
60		75.7	113.5	151.3	170.0
66		68.8	103.2	137.6	170.0
72		63.1	94.6	126.1	140.0
74		61.4	92.0	122.7	140.0
78		58.2	87.3	116.4	140.0
84		54.1	81.1	108.1	135.1
36	108	119.1	170.0	170.0	170.0
39		109.9	164.9	170.0	170.0
42		102.1	153.1	170.0	170.0
44		97.5	146.2	170.0	170.0
44-1/4		97.2	145.8	170.0	170.0
48		89.3	134.0	170.0	170.0
48-9/16		88.3	132.4	170.0	170.0
54		79.4	119.1	158.8	170.0
60		71.5	107.2	142.9	170.0
66		65.0	97.5	129.9	140.0
72		59.6	89.3	119.1	140.0
74		57.9	86.9	115.9	140.0
78		55.0	82.5	109.9	137.4
84		51.0	76.6	100.0	100.0

DESIGN LOAD CAPACITY - PSF (SILL ANCHORS)					
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'D'			
		1/4" MAX. SHIM SPACE			
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	114	112.8	169.3	170.0	170.0
39		104.2	156.2	170.0	170.0
42		96.7	145.1	170.0	170.0
44		92.3	138.5	170.0	170.0
44-1/4		92.1	138.1	170.0	170.0
48		84.6	126.9	169.3	170.0
48-9/16		83.7	125.5	167.3	170.0
54		75.2	112.8	150.5	170.0
60		67.7	101.6	135.4	169.3
66		61.6	92.3	123.1	140.0
72		56.4	84.6	112.8	140.0
74		54.9	82.3	109.8	137.2
78		52.1	78.1	100.0	100.0
84		48.4	72.5	96.7	100.0
36	117-3/4	109.2	163.9	170.0	170.0
39		100.8	151.3	170.0	170.0
42		93.6	140.5	170.0	170.0
44		89.4	134.1	170.0	170.0
44-1/4		89.1	133.7	170.0	170.0
48		81.9	122.9	163.9	170.0
48-9/16		81.0	121.5	162.0	170.0
54		72.8	109.2	145.7	170.0
60		65.5	98.3	131.1	140.0
66		59.6	89.4	119.2	140.0
72		54.6	81.9	109.2	136.6
74		53.1	79.7	100.0	100.0
78		50.4	75.6	100.0	100.0
36	120-5/8	106.6	160.0	170.0	170.0
39		98.4	147.7	170.0	170.0
42		91.4	137.1	170.0	170.0
44		87.3	130.9	170.0	170.0
44-1/4		87.0	130.5	170.0	170.0
48		80.0	120.0	160.0	170.0
48-9/16		79.1	118.6	158.1	170.0
54		71.1	106.6	142.2	170.0
60		64.0	96.0	128.0	140.0
66		58.2	87.3	116.3	140.0
72		53.3	80.0	100.0	100.0
74		51.9	77.8	100.0	100.0
78		49.2	73.8	98.4	100.0
36	126	102.1	153.1	170.0	170.0
39		94.2	141.4	170.0	170.0
42		87.5	131.3	170.0	170.0
44		83.5	125.3	167.1	170.0
44-1/4		83.3	124.9	166.6	170.0
48		76.6	114.9	153.1	170.0
48-9/16		75.7	113.5	151.4	170.0
54		68.1	102.1	136.1	170.0
60		61.3	91.9	122.5	140.0
66		55.7	83.5	111.4	139.2
72		51.0	76.6	100.0	100.0
74		49.7	74.5	99.3	100.0

DESIGN LOAD CAPACITY - PSF (SILL ANCHORS)					
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'D'			
		1/4" MAX. SHIM SPACE			
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	10 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
36	127	101.3	151.9	170.0	170.0
39		93.5	140.2	170.0	170.0
42		86.8	130.2	170.0	170.0
44		82.9	124.3	165.7	170.0
44-1/4		82.6	124.0	165.3	170.0
48		76.0	114.0	151.9	170.0
48-9/16		75.1	112.6	150.2	170.0
54		67.5	101.3	135.1	168.8
60		60.8	91.2	121.5	140.0
66		55.2	82.9	110.5	138.1
72		50.6	76.0	100.0	100.0
74		49.3	73.9	98.6	100.0
36	132	97.5	146.2	170.0	170.0
39		90.0	134.9	170.0	170.0
42		83.5	125.3	167.1	170.0
44		79.7	119.6	159.5	170.0
44-1/4		79.5	119.3	159.0	170.0
48		73.1	109.6	146.2	170.0
54		65.0	97.5	129.9	140.0
60		58.5	87.7	116.9	140.0
66		53.2	79.7	100.0	100.0
72		48.7	73.1	97.5	100.0
74		47.4	71.1	94.8	100.0
36	138	93.2	139.8	170.0	170.0
39		86.0	129.1	170.0	170.0
42		79.9	119.9	159.8	170.0
44		76.3	114.4	152.5	170.0
44-1/4		76.1	114.1	152.1	170.0
48		69.9	104.9	139.8	170.0
54		62.1	93.2	124.3	140.0
60		55.9	83.9	111.9	139.8
36	144	89.3	134.0	170.0	170.0
39		82.5	123.7	164.9	170.0
42		76.6	114.9	153.1	170.0
44		73.1	109.6	146.2	170.0
44-1/4		72.9	109.3	145.8	170.0
48		67.0	100.5	134.0	167.5
54		59.6	89.3	119.1	140.0
60		53.6	80.4	107.2	134.0

SEE CHART ON SHEETS 3 & 4 FOR SLIDING GLASS DOOR CAPACITY
WITH ANCHORED JAMBS
SEE SHEET 6 FOR SLIDING DOOR CAPACITY WITH FREE
STANDING JAMBS
SEE CHART ON SHEETS 7 THRU 12 FOR HEAD ANCHOR LOAD CAPACITY
SEE CHART ON LEFT FOR SILL ANCHOR LOAD CAPACITY
LOWER VALUES FROM ABOVE WILL APPLY

SEE SHEET 17 FOR ANCHOR DESCRIPTION

CLUSTER OF INSTALLATION ANCHORS AT FRAME SILL:
FOR LOADS UPTO 120 PSF
INSTALLATION ANCHORS AT DOOR SILL
TRACK CLIP LENGTH = 6" (W/O INSTALLATION ANCHORS)

FOR LOADS ABOVE 120 PSF
INSTALLATION ANCHORS AT FRAME SILL & TRACK CLIP
TRACK CLIP LENGTH = 12" (W/ 2 INSTALLATION ANCHORS
IN END HOLES)



Sealed 7-3-2024

FL #30338



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

SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)

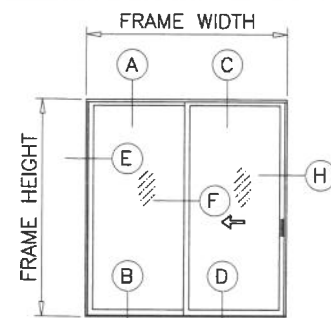
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

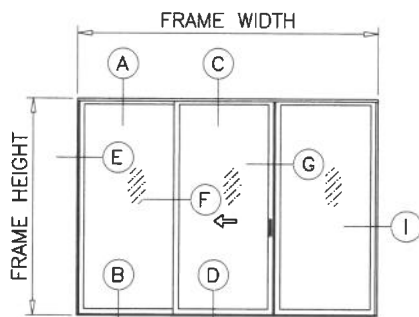
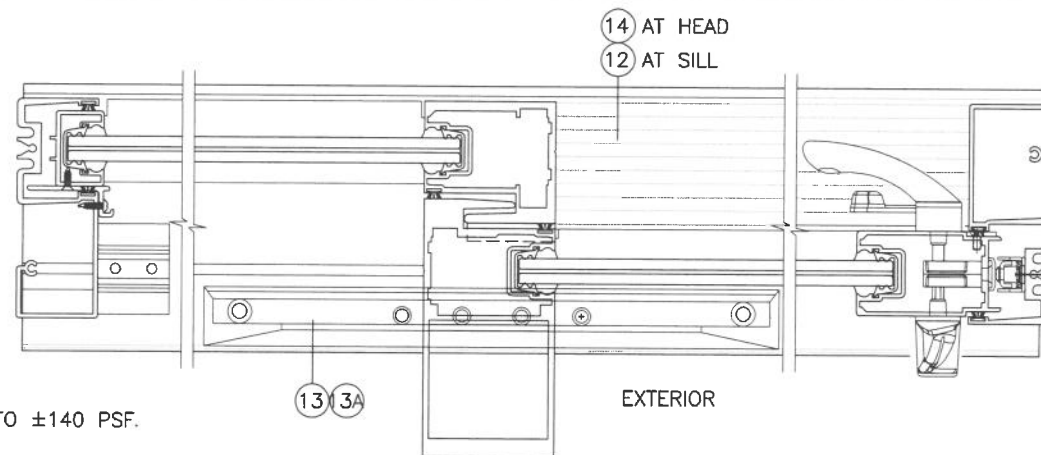
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dr. by: TARIQ
chk. by:

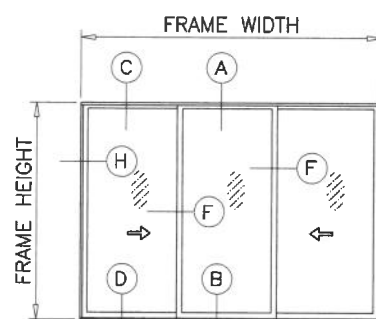
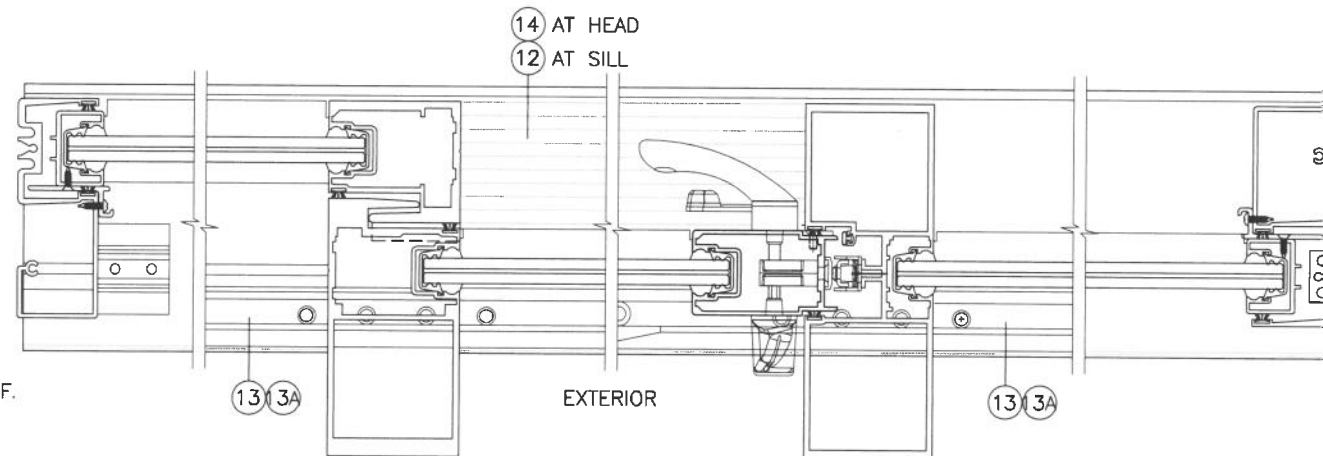
drawing no.
19-76F
sheet 13 of 25



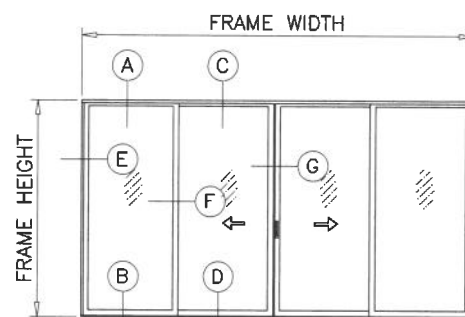
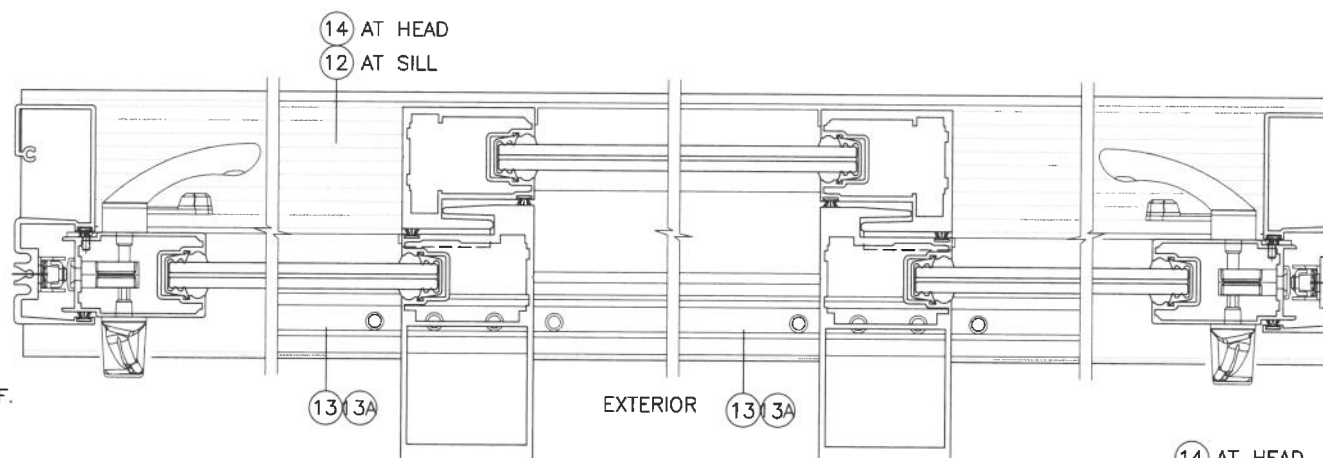
OX (SHOWN)
XO
 LIMIT MAX. DESIGN LOADS TO ± 140 PSF.



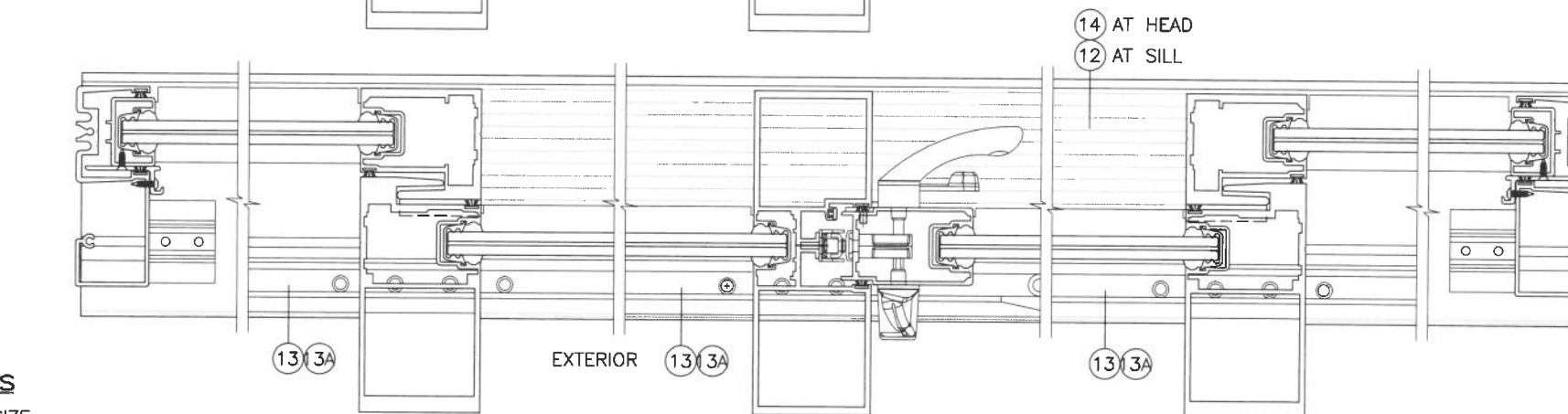
OXO
 LIMIT MAX. DESIGN LOADS TO ± 140 PSF.



XOX (SHOWN)
 LIMIT MAX. DESIGN LOADS TO ± 140 PSF.



OXXO

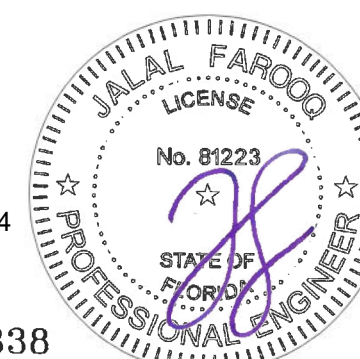


NOTE:
 CONFIGURATIONS SHOWN FOR ILLUSTRATION ONLY.
 SEE ANCHORS INSTALLATION DETAILS ON SHEETS 15 THRU 20.
 FOR FREE STANDING JAMBS DETAILS SEE SHEET 21.

APPROVED CONFIGURATIONS
 SEE APPLICABLE ELEVATIONS AND MAX. SIZE
 SHEETS 3 & 4 (ANCHORED JAMB UNIT)
 SHEET 6 (FREE JAMB UNIT)

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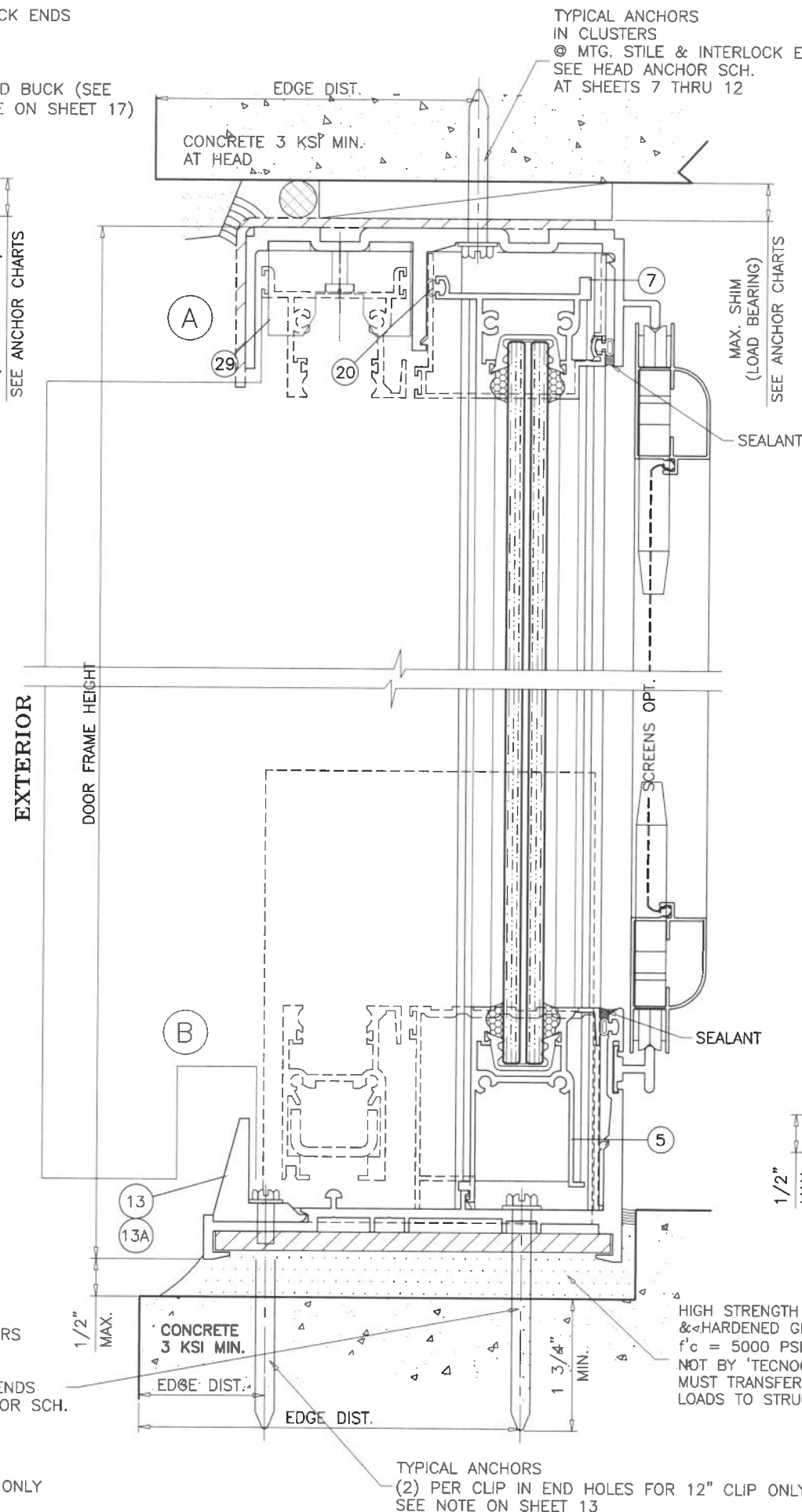
FL #30338



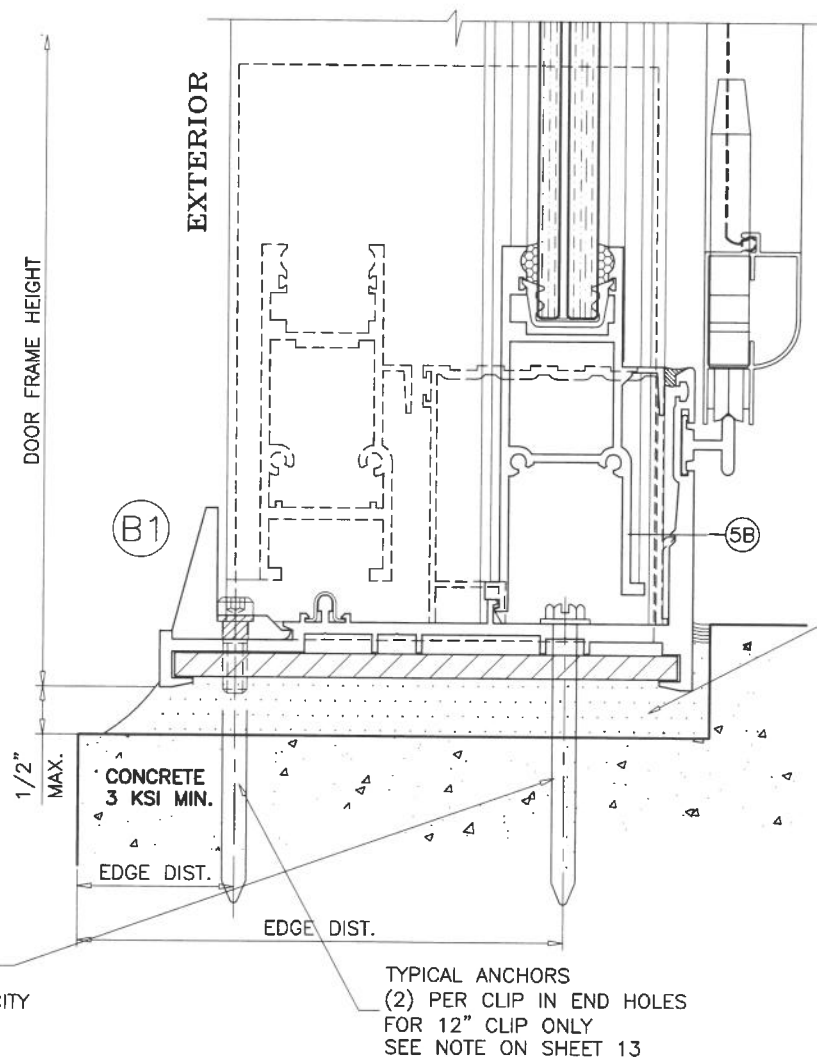
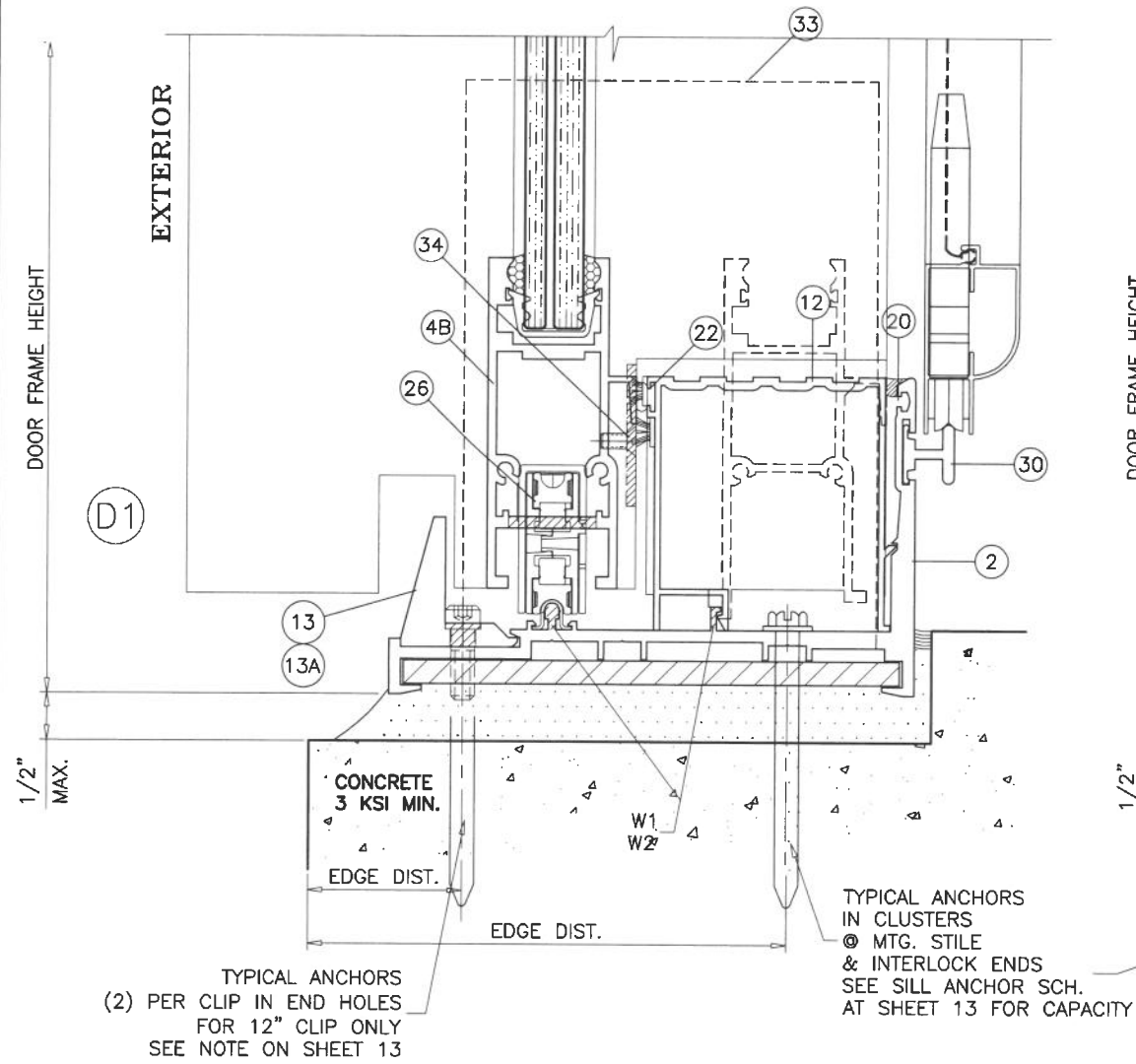
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 (C.A.N. 3538)
 COMP-ANL\19-76F-TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)
TECNOGLASS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:		no date by description	
date:	08-15-19	scale:	1/2" = 1"
dr. by:	TARIQ	chk. by:	
drawing no.	19-76F	sheet	14 of 25



FL #30338



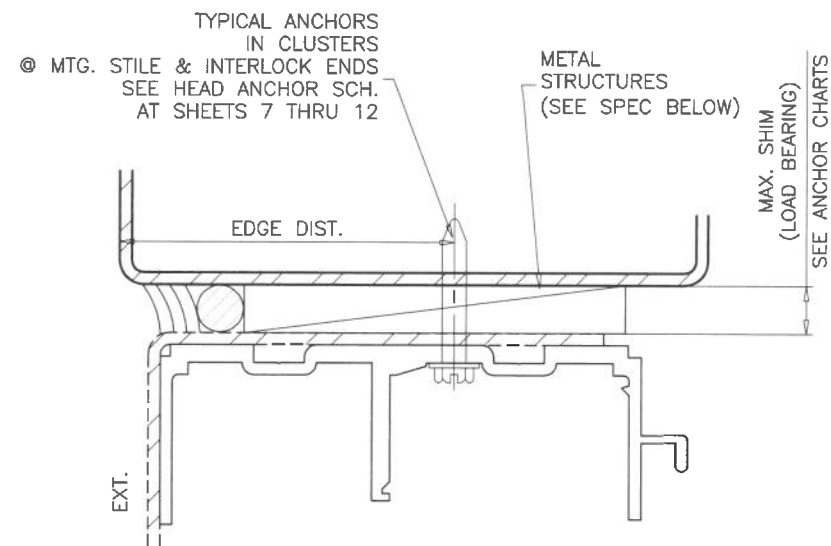
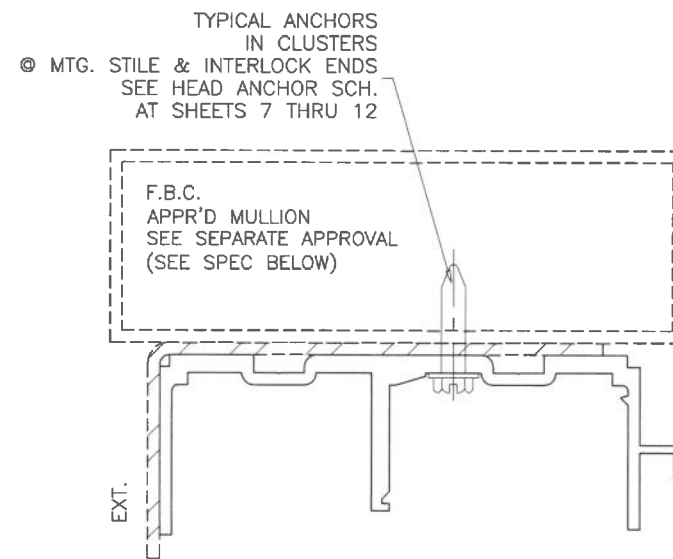
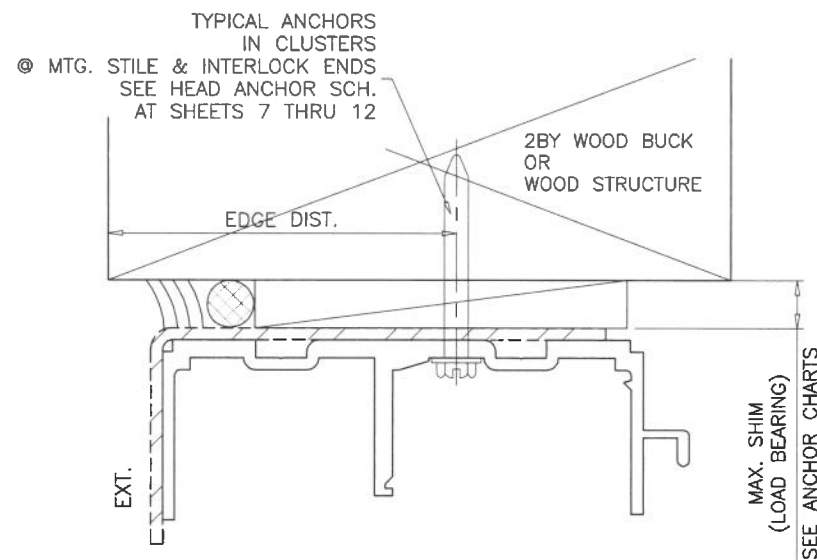
HIGH STRENGTH POURED
& HARDENED GROUT
f'c = 5000 PSI MIN.
NOT BY 'TECNOGLASS'
MUST TRANSFER SHEAR
LOADS TO STRUCTURE

Sealed 7-3-2024

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AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978		af c (C.A.N. 3538) TEL. (305) 264-8100 FAX. (305) 262-6978 COMP-ANL 19-76F-TGL	
SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.) TECNOGLASS, LLC 3550 N.W. 49 STREET MIAMI, FL. 33142 TEL. (305) 638-5151 FAX. (305) 638-5158		drawing no. 19-76F sheet 16 of 25	
date: 08-15-19 scale: 1/2" = 1" dr. by: TARIQ chk. by:	revisions: no. date by description		



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

— AT HEAD —

TYPE 'A'— **5/16" DIA. ULTRACON BY 'DEWALT'** ($F_u=177$ KSI, $F_y=155$ KSI)
 INTO WOOD STRUCTURES
 1-7/8" MIN. PENETRATION INTO WOOD
 THRU 1BY OR 2BY BUCKS INTO CONCRETE
 1-1/2" MIN. EMBED INTO CONCRETE

TYPE 'B'— **5/16" DIA. ULTRACON BY 'DEWALT'** ($F_u=177$ KSI, $F_y=155$ KSI)
 DIRECTLY INTO CONCRETE
 1-3/4" MIN. EMBED INTO CONCRETE

TYPE 'C'— **5/16" DIA. TEKS OR SELF DRILLING SCREWS** (GRADE 5 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

— AT SILL —

TYPE 'D'— **5/16" DIA. ULTRACON BY 'DEWALT'** ($F_u=177$ KSI, $F_y=155$ KSI)
 DIRECTLY INTO CONCRETE
 1-3/4" MIN. EMBED INTO CONCRETE

— AT JAMBS —

5/16" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)
 INTO WOOD STRUCTURES
 1-7/8" MIN. PENETRATION INTO WOOD
 THRU 1BY OR 2BY BUCKS INTO CONC. OR FILLED BLOCKS
 1-3/4" MIN. EMBED INTO CONC. OR GROUT FILLED BLOCKS

5/16" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)
 DIRECTLY INTO CONCRETE OR FILLED BLOCKS
 1-3/4" MIN. EMBED INTO CONC. OR GROUT FILLED BLOCKS

5/16" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

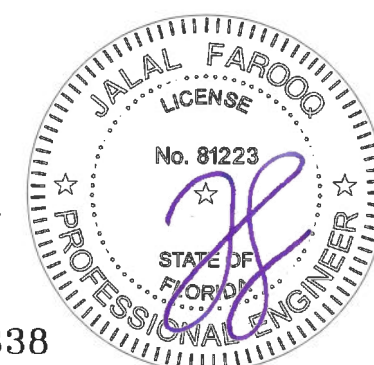
TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1-1/4" 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.

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

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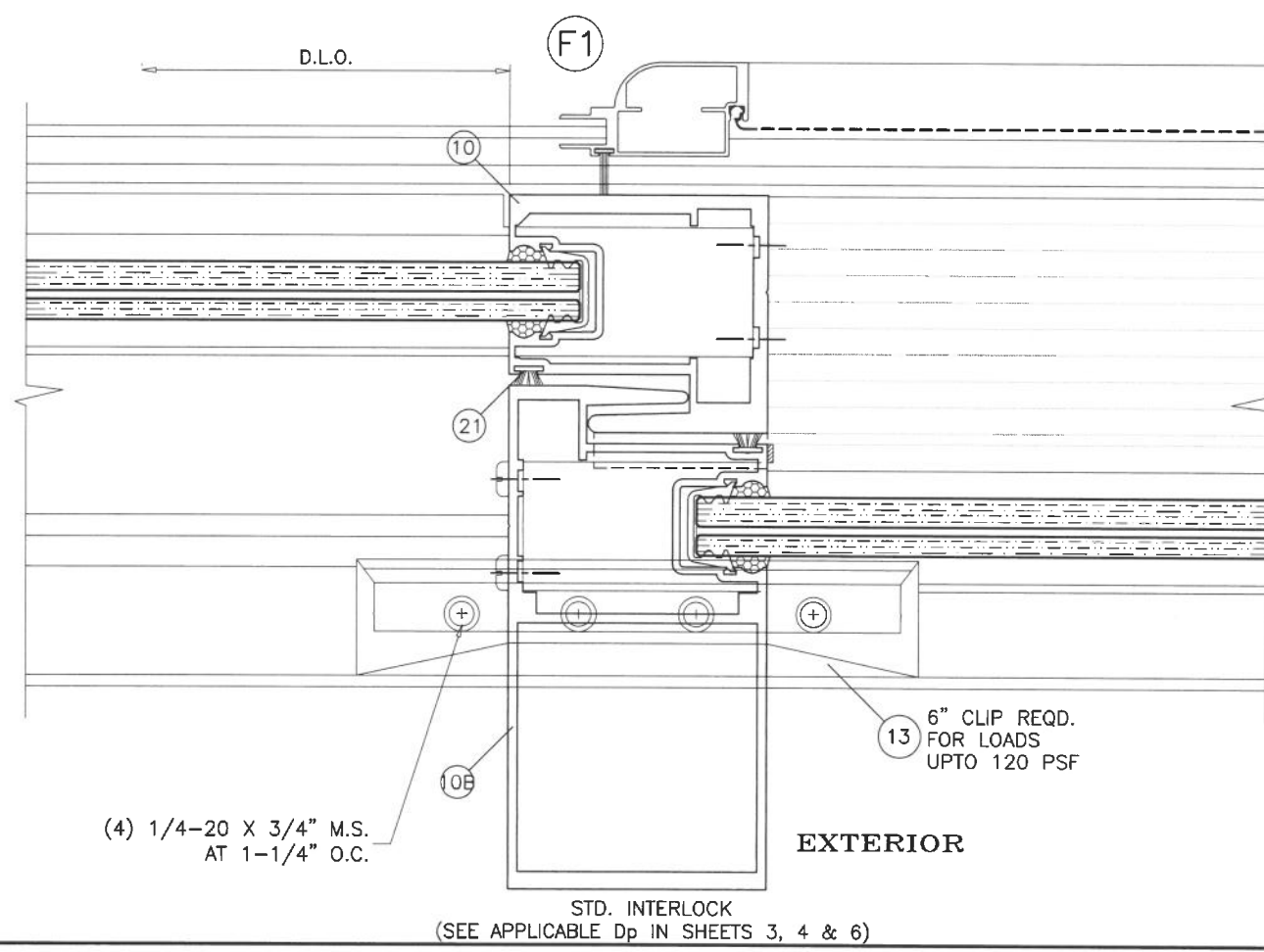
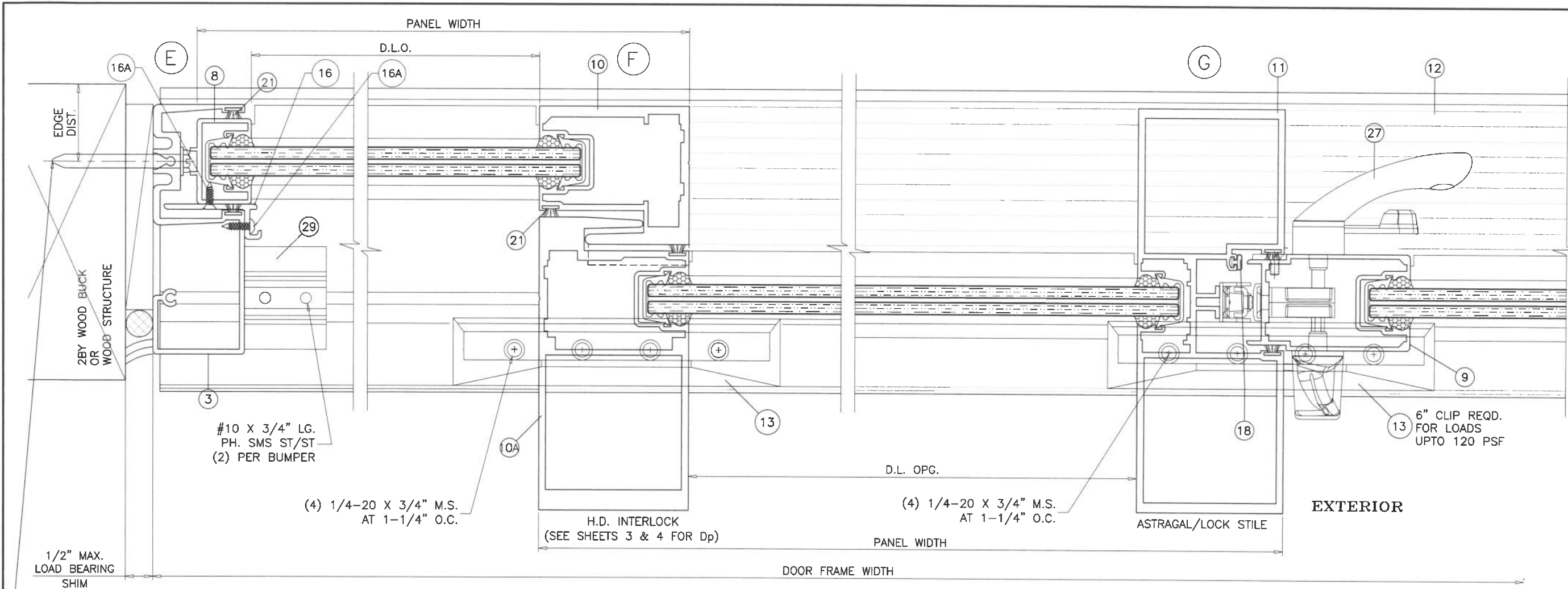
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chk. by:

drawing no.

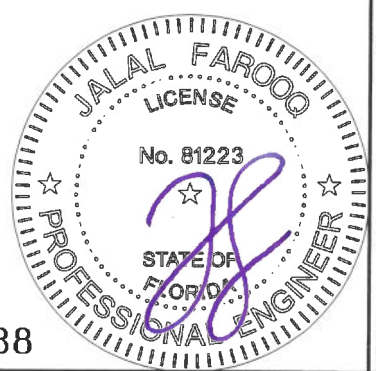
19-76F

sheet 17 of 25



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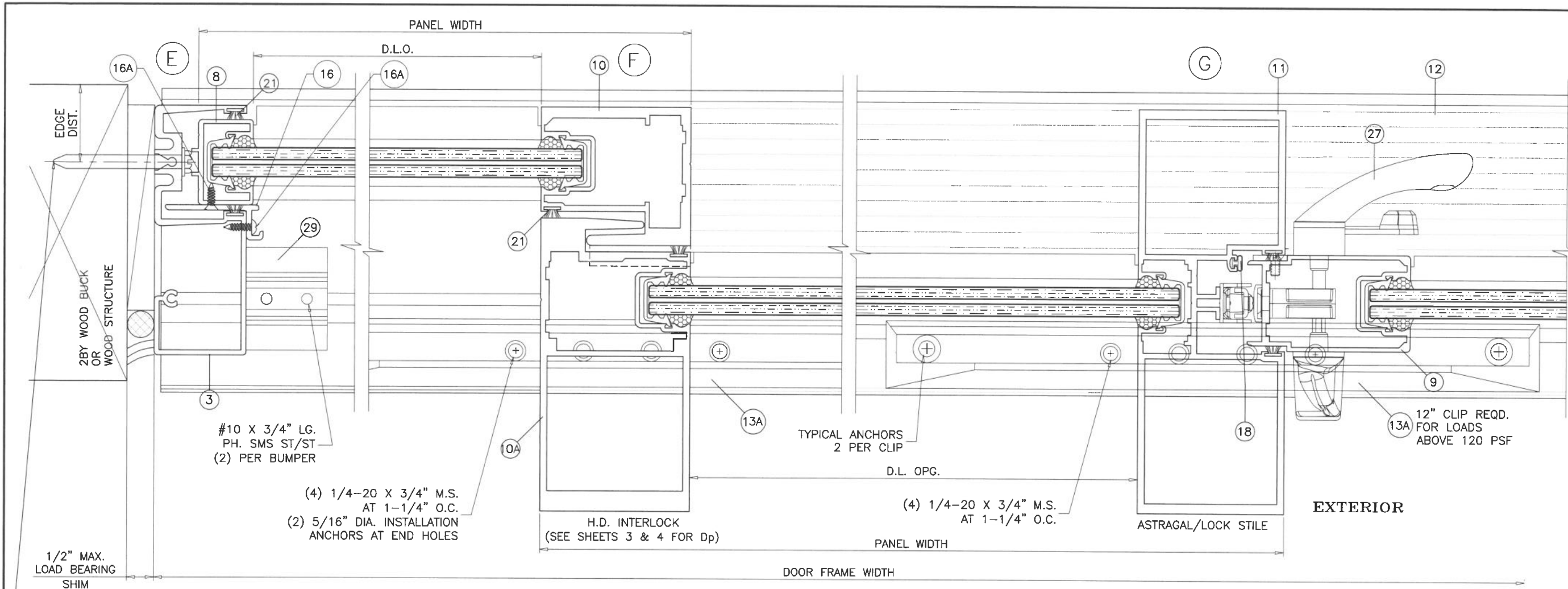
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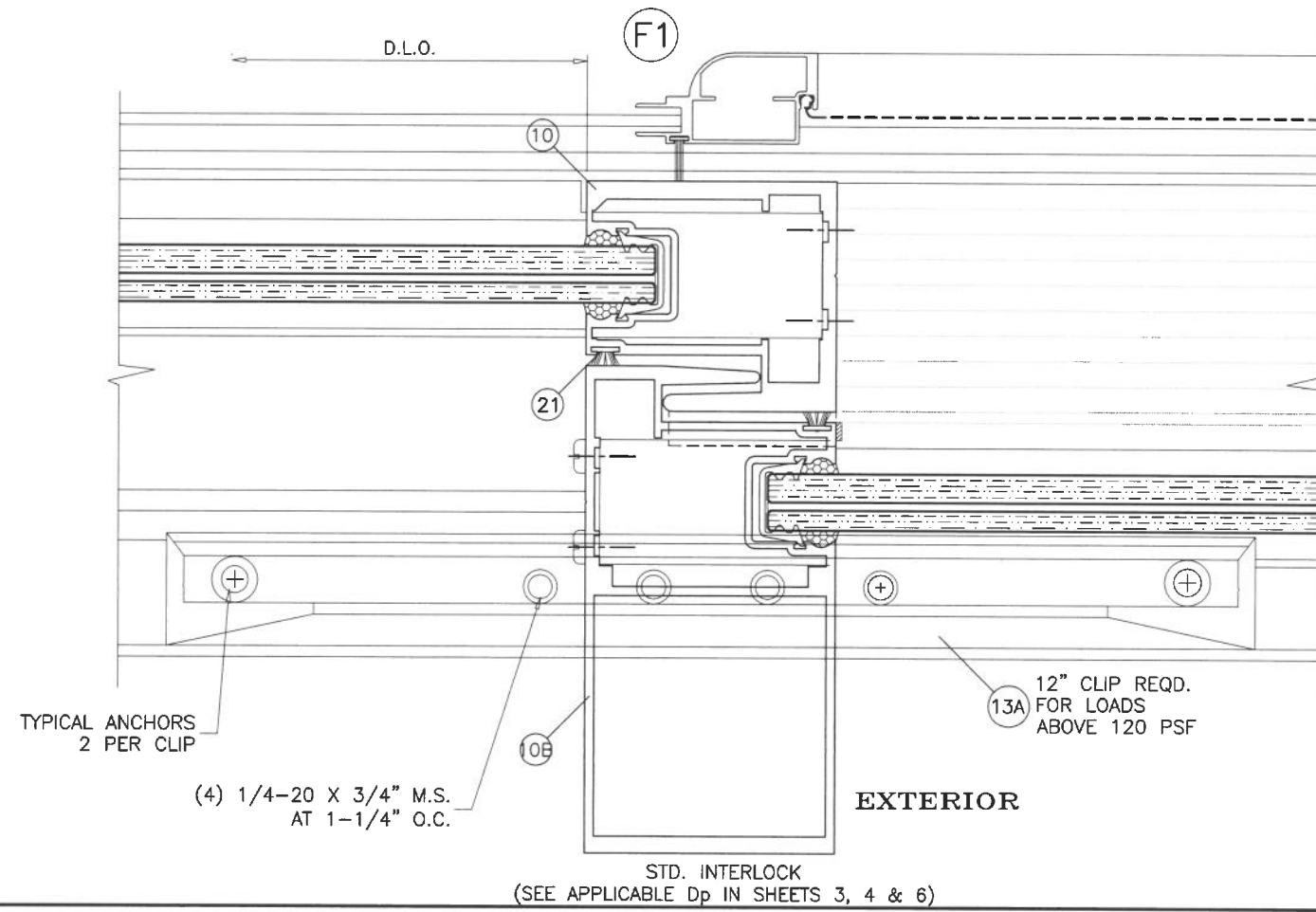
drawing no.
19-76F

sheet 18 of 25



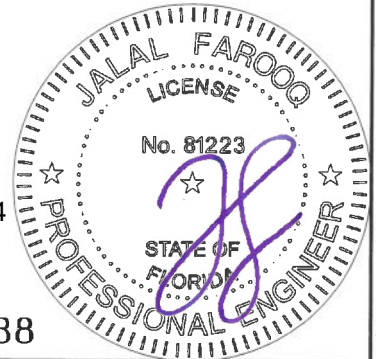
1/2" MAX.
LOAD BEARING
SHIM

TYPICAL ANCHORS
SEE ELEVATION
FOR SPACING



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9360 SUNSET DRIVE, SUITE 220
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COMP-ANL 19-76F-TGL

SERIES-DW12 ALUM SLD. GLASS DOOR (S.M.I.)

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3550 N.W. 49 STREET
MIAMI, FL. 33142
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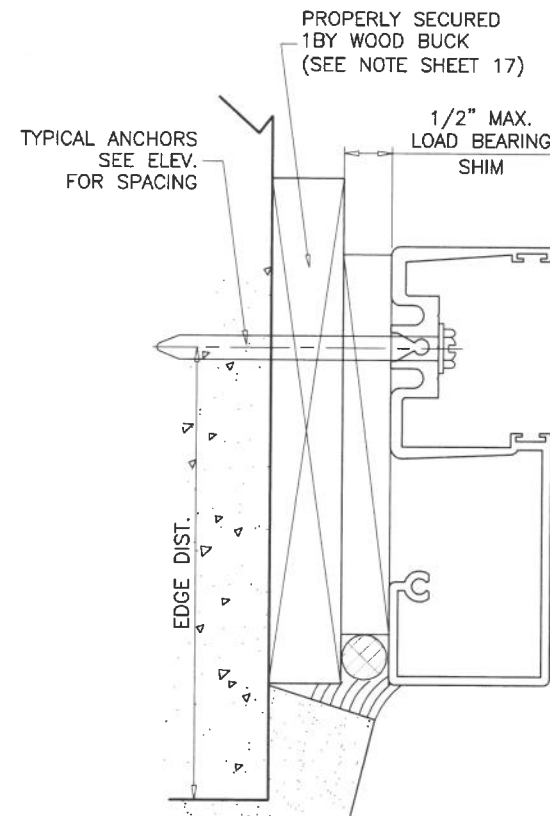
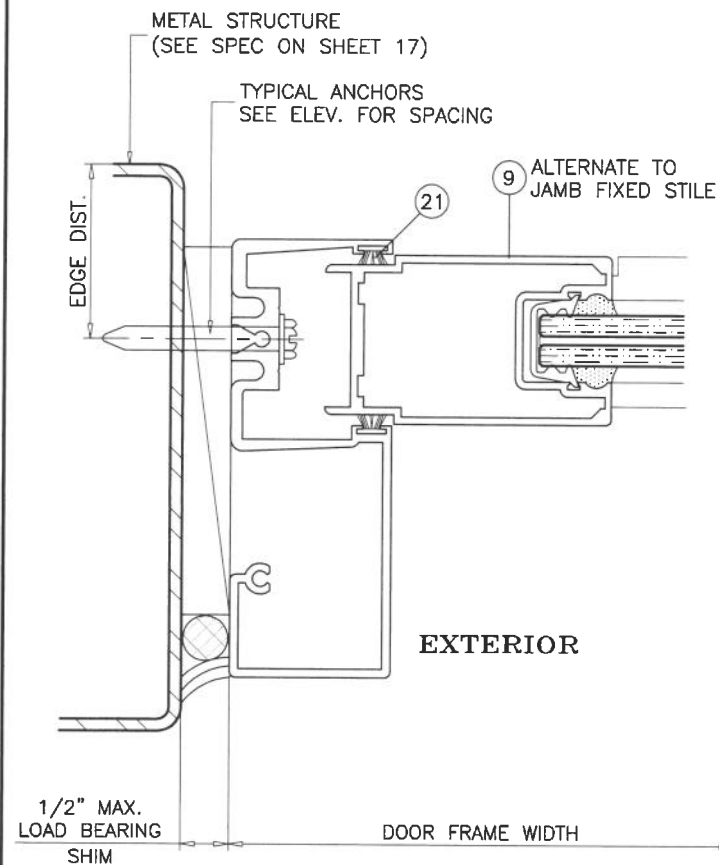
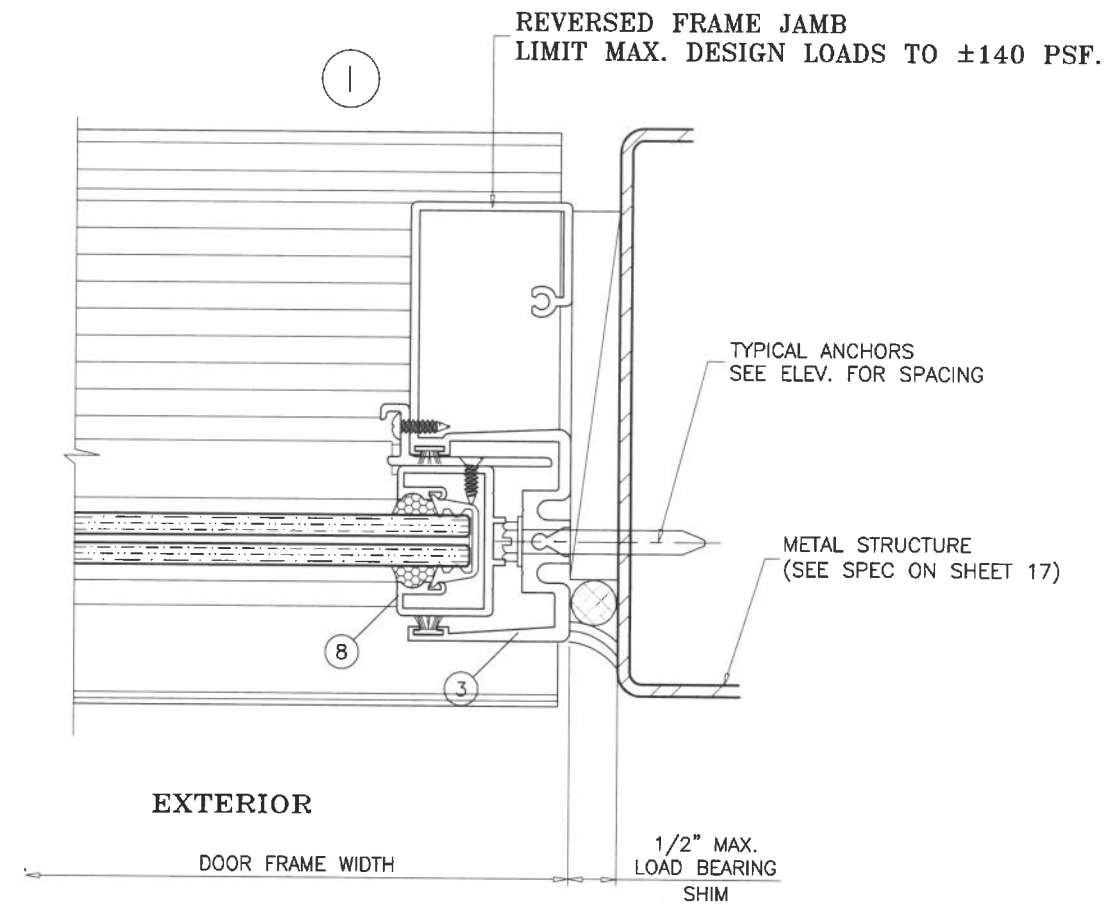
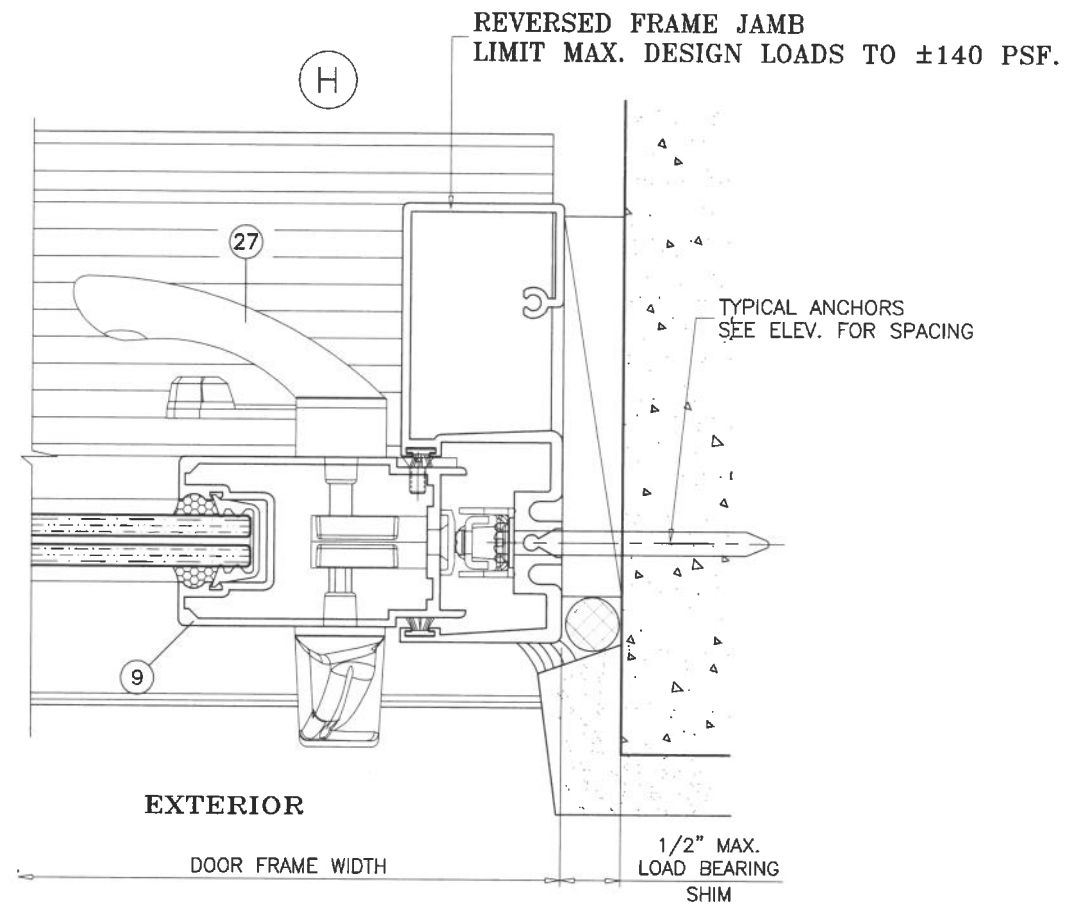
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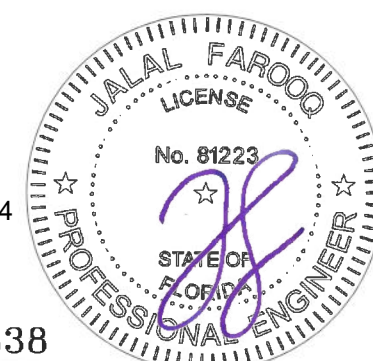
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sheet 19 of 25

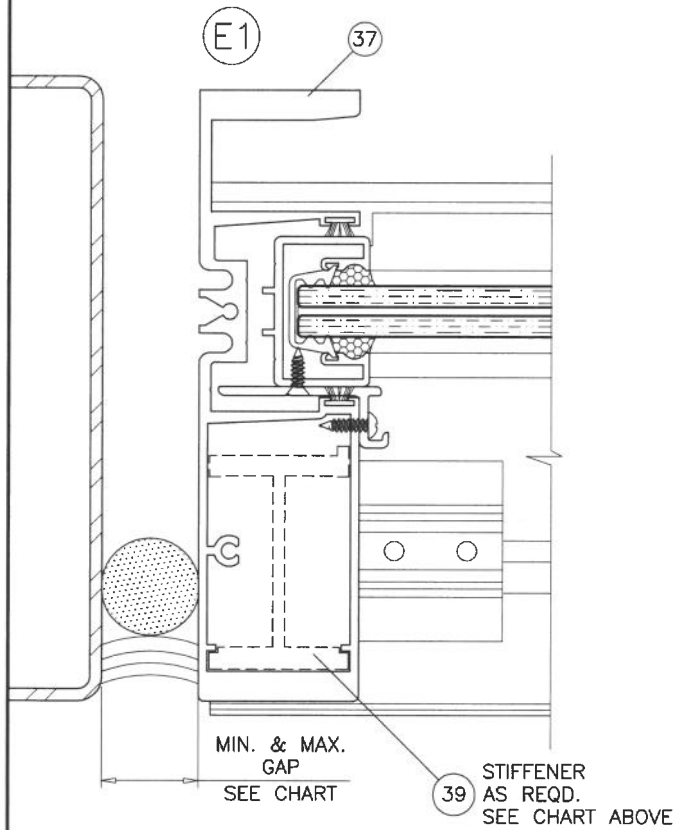


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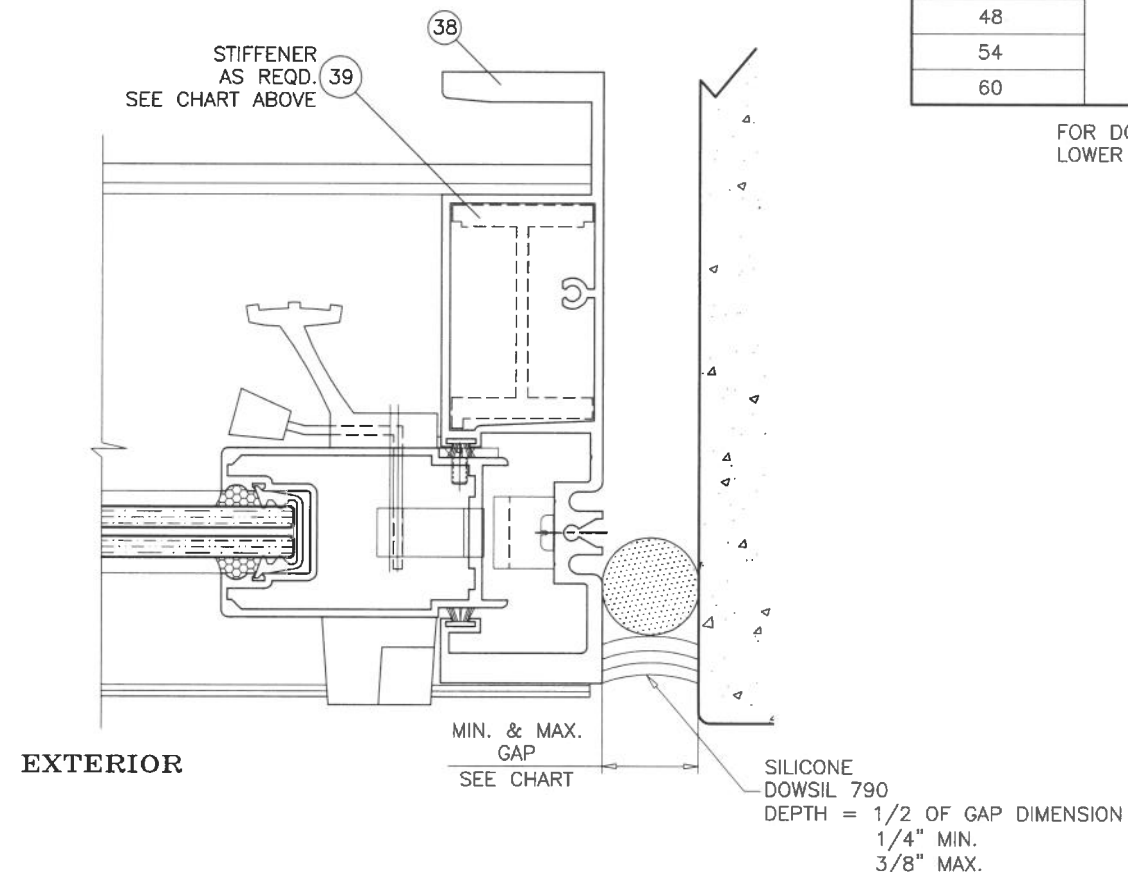
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drawing no. 19-76F	
sheet 20 of 25	



**FREE STANDING JAMB
FIXED SIDE**

I_x IN ⁴	S_x IN ³
13.025	4.031

I_x IN ⁴	S_x IN ³
.7320	.6095



**FREE STANDING JAMB
OPERABLE SIDE**

I_x IN ⁴	S_x IN ³
13.336	4.051

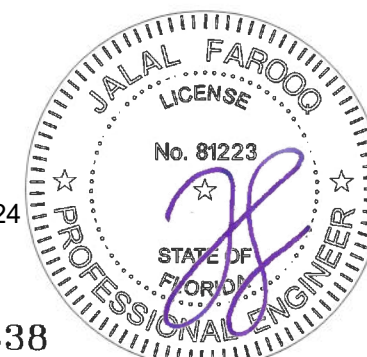
MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
84"	5/16"	3/4"
108"	3/8"	3/4"
120"	7/16"	3/4"
144"	1/2"	3/4"

FREE STANDING JAMB CAPACITY			
MAX. PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	WITHOUT STIFFENER	WITH STIFFENER
		EXT.(+)/INT.(-)	EXT.(+)/INT.(-)
60	114	125.0	140.0
74		100.0	100.0
78		94.9	94.9
84		88.1	88.1
54	120-5/8	125.0	140.0
66		100.0	140.0
74		100.0	100.0
78		94.9	94.9
54	127	125.0	140.0
60		100.0	140.0
66		100.0	140.0
74		100.0	100.0
48	132	125.0	140.0
54		100.0	140.0
60		100.0	134.3
74		100.0	100.0
48	138	125.0	140.0
54		-	127.7
60		-	116.7
39	144	125.0	140.0
44		125.0	134.6
48		117.7	124.3
54		-	111.8
60		-	102.0

FOR DOOR CAPACITY SEE CHART ON SHEET 6
LOWER D_p SHALL CONTROL

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drawing no.
19-76F
sheet 21 of 25

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANUF./SUPPLIER/REMARKS
1	2400ST-038	1	FRAME HEAD	6063-T6/6005-T5	-
1B	2400ST-066	1	ALT. FRAME HEAD	6063-T6/6005-T5	-
1C	2400ST-066A	1	ALT. FRAME HEAD	6063-T6/6005-T5	-
1D	2400ST-089	1	ALT. FRAME HEAD	6005-T5	-
2	2400ST-039	1	FRAME SILL	6005-T5	-
2A	2400ST-082A	1	ALT. FRAME SILL	6005-T5	-
3	2400ST-042	2	FRAME JAMB	6063-T6	-
4	2400ST-008	1/MOV. PANEL	STD. BOTTOM RAIL (MOVING)	6063-T6	-
4A	2400ST-069	1/MOV. PANEL	ALTERNATE STD. BOTTOM RAIL (MOVING)	6063-T6	-
4B	2400ST-084	1/MOV. PANEL	HI-RISE BOTTOM RAIL (MOVING)	6063-T6	-
5	2400ST-009	1/FIX. PANEL	STD. BOTTOM RAIL (FIXED)	6063-T6	-
5B	2400ST-085	1/FIX. PANEL	HI-RISE BOTTOM RAIL (FIXED)	6063-T6	-
6	2400ST-006	1/MOV. PANEL	TOP MOVING RAIL	6063-T6	-
7	2400ST-007	1/FIX. PANEL	TOP FIXED RAIL	6063-T6	-
8	2400ST-004	1/FIX. PANEL	JAMB FIXED STILE	6063-T6	-
9	2400ST-002	1	JAMB FIX. STILE/LOCK STILE	6063-T6	-
10	2400ST-037	1/ PANEL	INTERIOR INTERLOCK	6005-T5	-
10A	2400ST-061	1/ PANEL	H.D. EXTERIOR INTERLOCK	6005-T5	-
10B	2400ST-062A	1/ PANEL	STD. EXTERIOR INTERLOCK	6005-T5	-
11	2400ST-063	1	MEETING STILE	6005-T5	-
12	2400ST-012	1	THRESHOLD FILLING TRACK (LENGTH = OPNG. WIDTH BETWEEN FIXED PANELS)	6063-T6	-
13	2400ST-011	-	SILL TRACK ANCHOR CLIP, 6" LONG, FOR LOADS UPTO 120 PSF	6005-T5	-
13A	2400ST-011	-	SILL TRACK ANCHOR CLIP, 12" LONG, FOR LOADS ABOVE 120 PSF	6005-T5	-
14	2400ST-019	1	HEAD ADAPTER (LENGTH = OPNG. WIDTH BETWEEN FIXED PANELS)	6063-T6	-
15	2400ST-031	2	SILL TRACK PLATE (5-1/4" X 1/4" X 5" LONG)	6063-T6	AT EACH END
15A	2400ST-031	3	SILL TRACK PLATE (5-1/4" X 1/4" X 10" LONG)	6063-T6	AT INTERLOCK/ASTRAGAL STILES
16	ES-6014	AS REQD.	FIX. PANEL CLIP	6063-T6	-
16A	#6 X 1/2"	2/ CLIP	FIX. PANEL CLIP FASTENERS	-	-
17	#10 X 1/2"	2	WEATHERSTRIP FASTENERS	-	-
18	V-027	-	BULB W'STRIPPING	TPE	DUROMETER 75±5 SHORE "A"
19	V-019	-	FLAP WEATHER SEAL	TPE	DUROMETER 75±5 SHORE "A"
20	V-026	-	BULB W'STRIPPING	TPE	DUROMETER 75±5 SHORE "A"
21	W31265NK	-	FIN PILE W'STRIPPING	-	ULTRAFAB
22	Q250X270	-	Q-LON W'STRIPPING	-	SCHLEGEL
24	V-017	AS REQD.	GLAZING GASKET (9/16" GLASS)	TPE	DUROMETER 75±5 SHORE "A", MELTPPOINT PLASTICS
26	-	2/MOV. PANEL	TANDEM PLASTIC WHEELS IN METALLIC HOUSING	-	DUAL ROLLERS
27	PS01-0001	1	STANDARD SLIDE SET LOCK	-	INTERLOCK
28	-	1	LOCK KEEPER	-	-
29	P-046	AS REQD.	COMMERCIAL SERIES S.G.D. BUMPER © 2400ST-066, 1-1/2" LONG	PVC	-
30	2400ST-040	AS REQD.	INSIDE SCREEN TRACK	6063-T6	-
31	#10 X 1-1/2"	2/ PANEL	PANEL ASSBY. SCREWS	ST/ST	PH SMS
32	#10 X 1"	2/ CORNER	FRAME ASSBY. SCREWS	-	PH SMS
33	-	2	4-1/4" X .060" X 6" LONG PLATE	6063-T6	AT FRAME JAMB BOTTOM
34	-	-	5/8" X 1-1/2" X .1" PLATE © LOCK STILE BOTTOM	6063-T6	FASTENED W/ #8 X 3/8" FH SMS
35	-	1/ MOV. PANEL	5/8" X 1-1/8" X 5/8" X 1/8" CHANNEL (LENGTH = PANEL WIDTH - 10")	ST/ST	Fy = 36 KSI MIN.
36	-	AS REQD.	2-1/4" X 4-3/4" X 1/8" ANGLE (SEE SECTION C IN SHEET 15 FOR APPLICATION REQUIREMENT)	ST/ST	9" OR 18" LONG
37	2400ST-071	AS REQD.	FREE STANDING JAMB (FIX. SIDE)	6005-T5	-
38	2400ST-072	AS REQD.	FREE STANDING JAMB (OPERABLE SIDE)	6005-T5	-
39	2400ST-086	AS REQD.	JAMB STIFFENER	6005-T5	-

NOTE:
ITEM 15 IS USED AT EACH END OF THE DOOR (JAMB)
AND ITEM 15A IS USED AT THE INTERLOCK/ASTRAGAL
STILES.

LOCKS:
THREE PLY METALLIC FOUR POINT LOCK SYSTEM
WITH SURFACE MOUNT METALLIC HANDLE AT 41"
FROM BOTTOM.
LOCK FASTENED WITH (8) #10 X 1" PH SMS AND
HANDLE FASTENED WITH (2) #8 X 2-3/8" OH
MACHINE SCREWS.
SURFACE MOUNT METALLIC KEEPERS AT 14", 41"
AND 68" FROM BOTTOM
FASTENED WITH (2) #10 X 3/4" PH SMS.

Sealed 7-3-2024



FL #30338

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

SERIES-DM12 ALUM SLD. GLASS DOOR (S.M.I.)

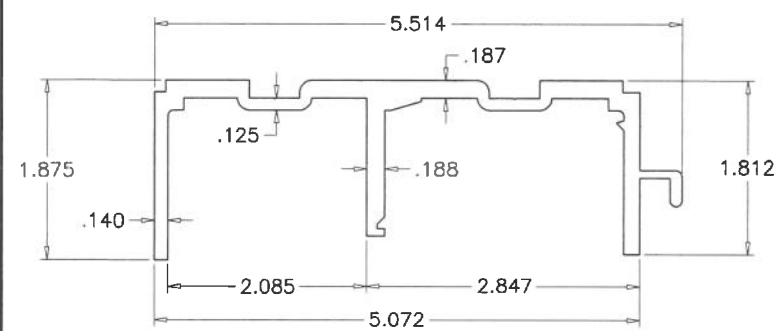
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:
no date by description

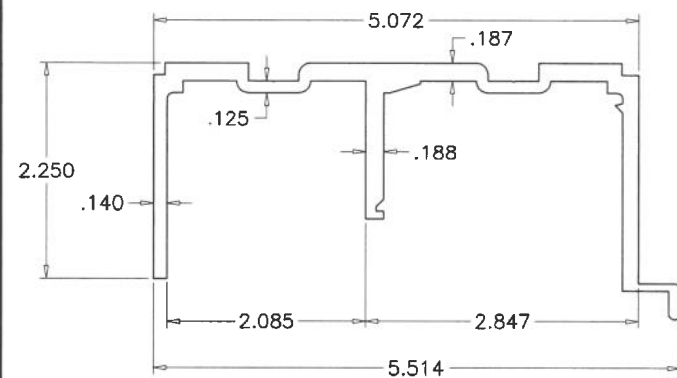
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dr. by: TARIQ
chk. by:

drawing no.
19-76F
sheet 22 of 25

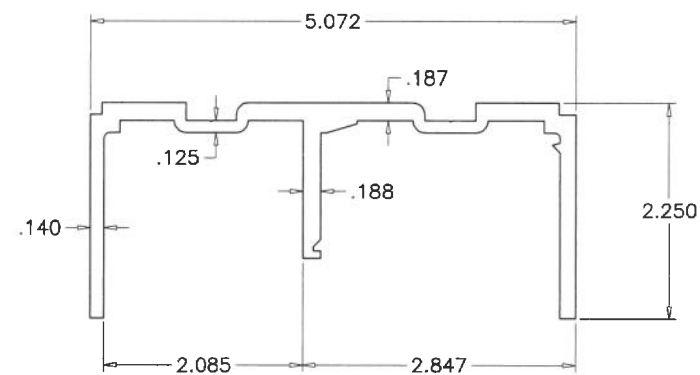
COMP-ANL\19-76F-TGL



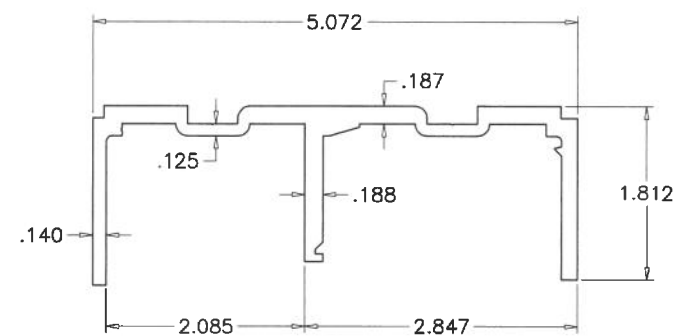
① FRAME HEAD (2400ST-038)



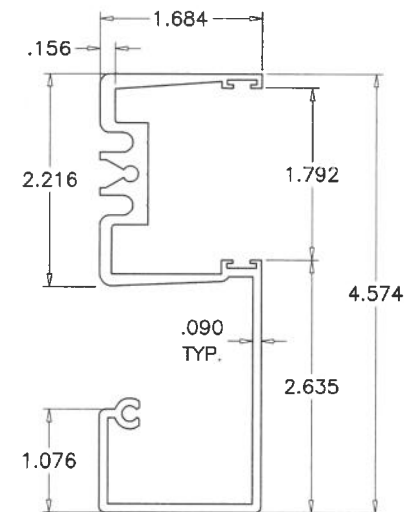
①B ALT. FRAME HEAD (2400ST-066)



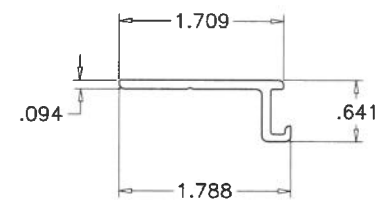
①C ALT. FRAME HEAD (2400ST-066A)



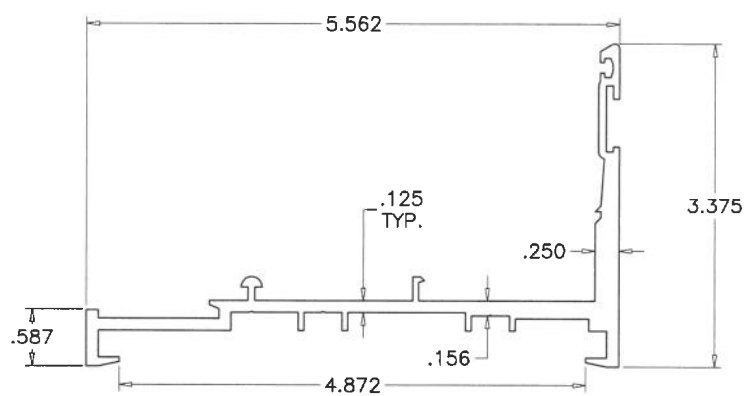
①D ALT. FRAME HEAD (2400ST-089)



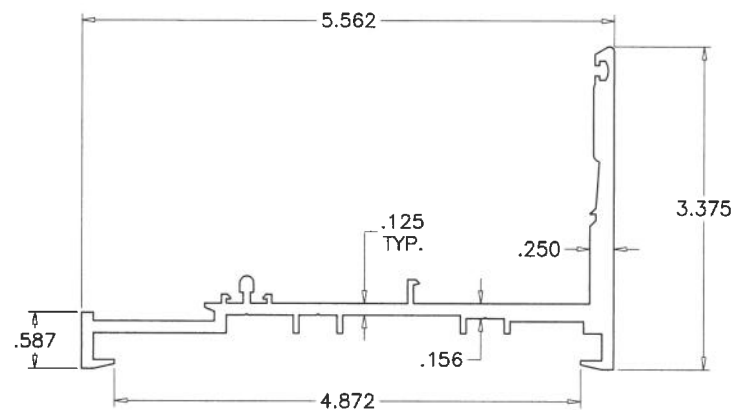
③ FRAME JAMB (2400ST-042)



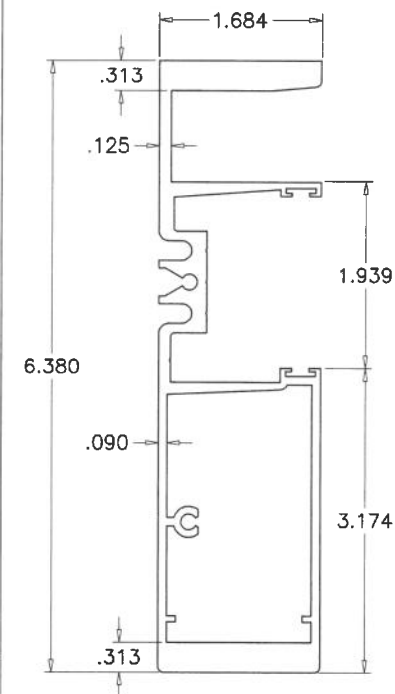
16
FIX. PANEL CLIP (ES-6014)



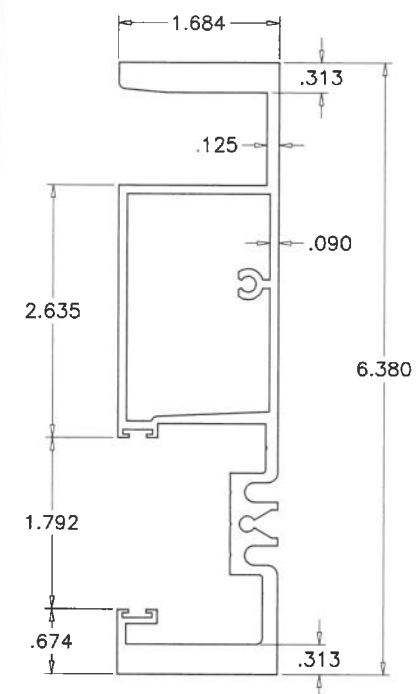
② FRAME SILL (2400ST-039)



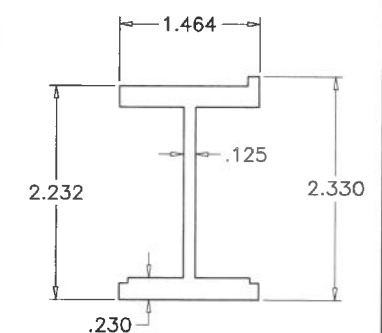
2A ALT. FRAME SILL (2400ST-082A)



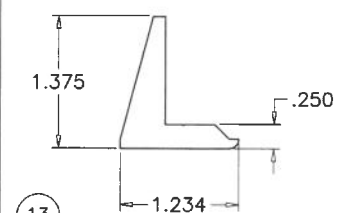
37 FREE STANDING FRAME JAMB
FIXED SIDE



38 FREE STANDING FRAME JAMB
OPERABLE SIDE

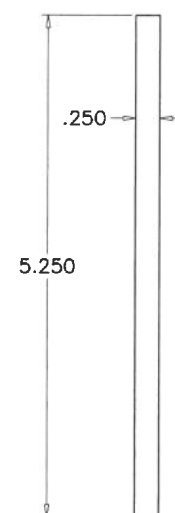


39 JAMB STIFFENER





 SILL ANCHOR (2400ST-011)



(15) (15A)
SILL TRACK PLATE



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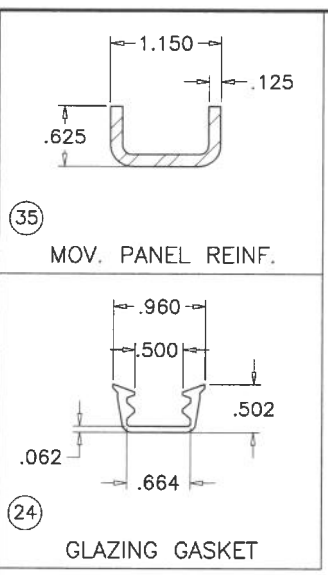
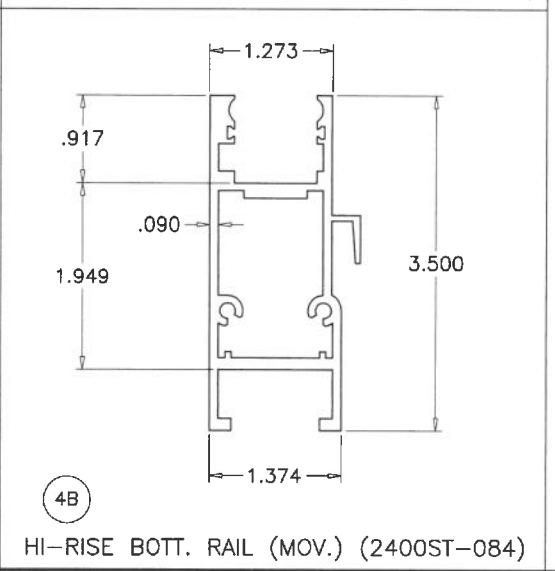
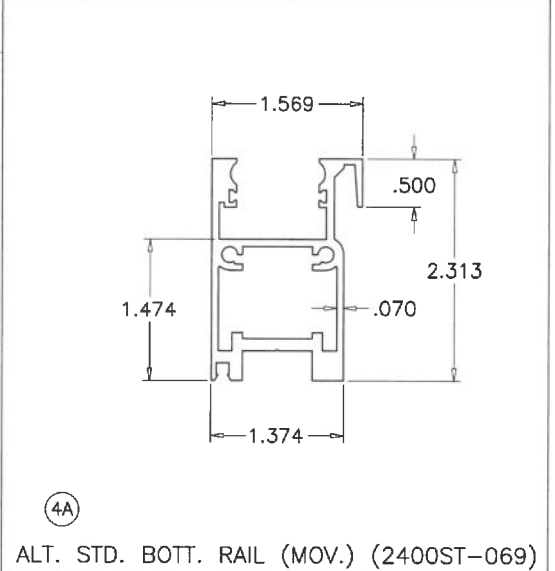
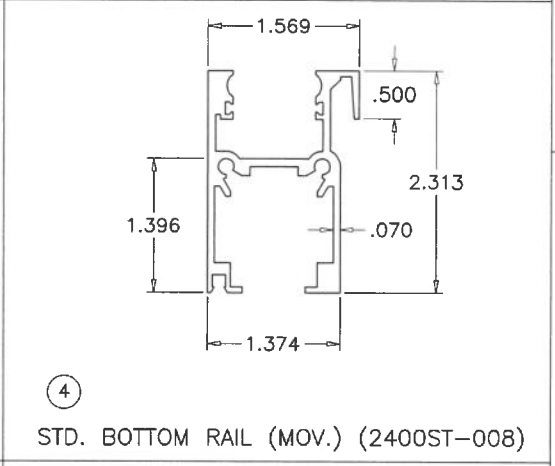
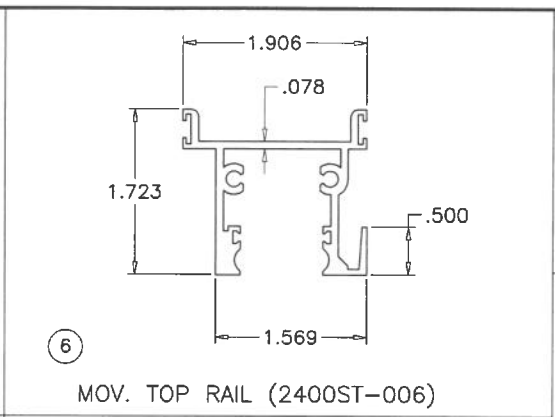
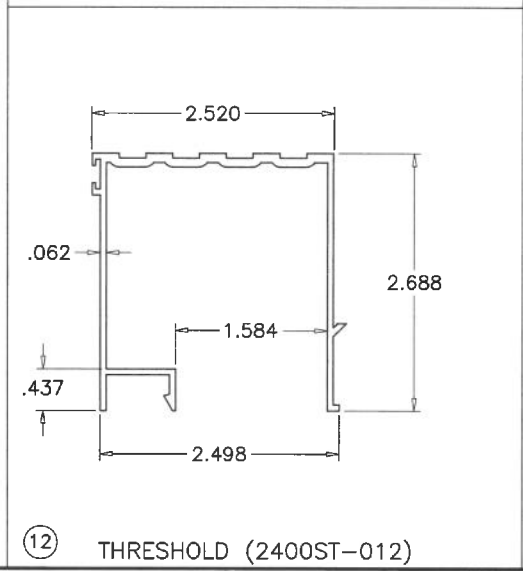
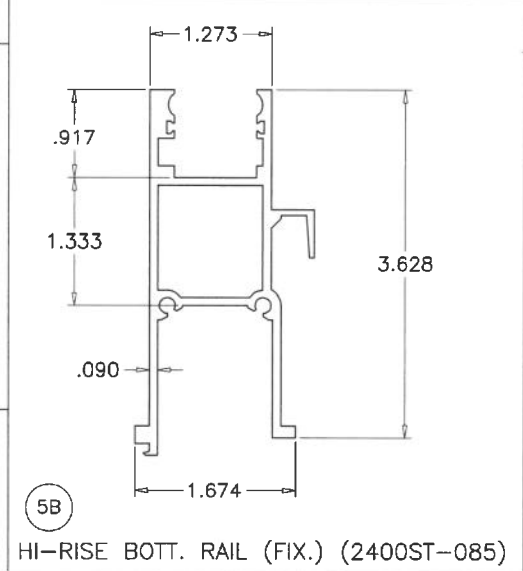
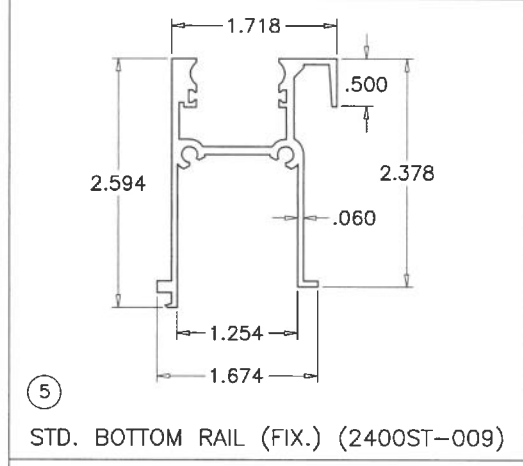
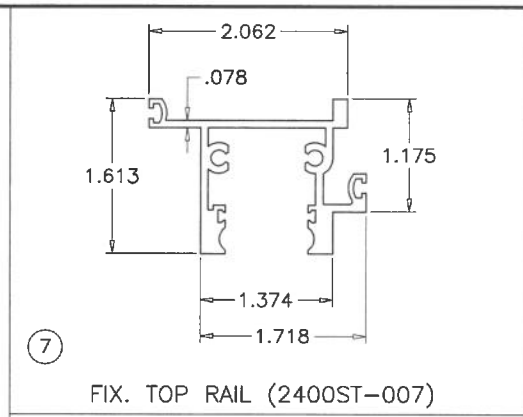
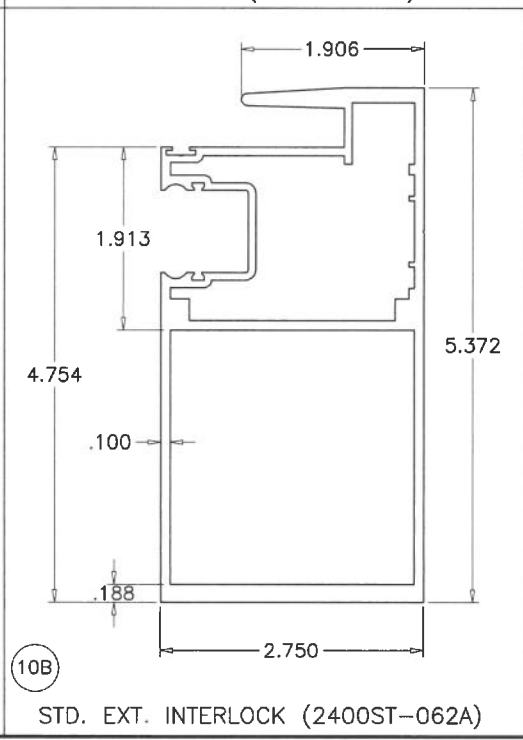
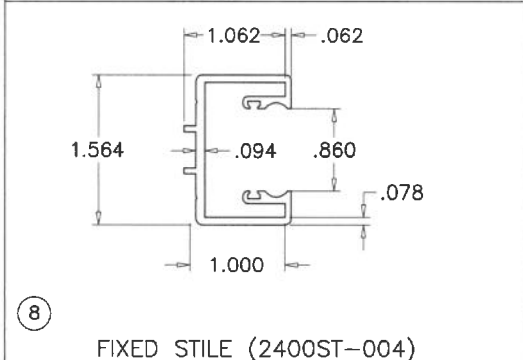
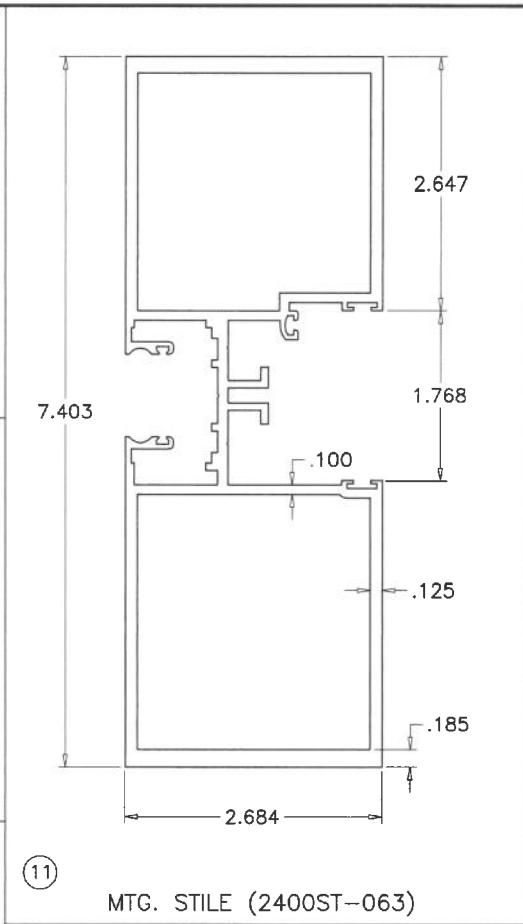
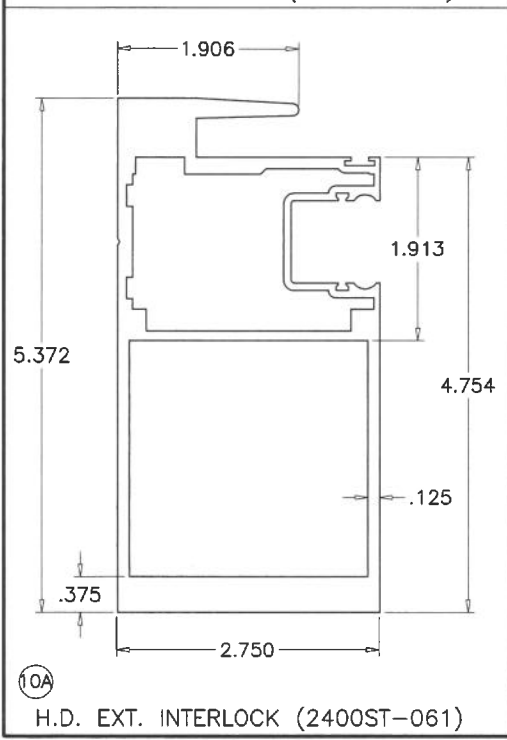
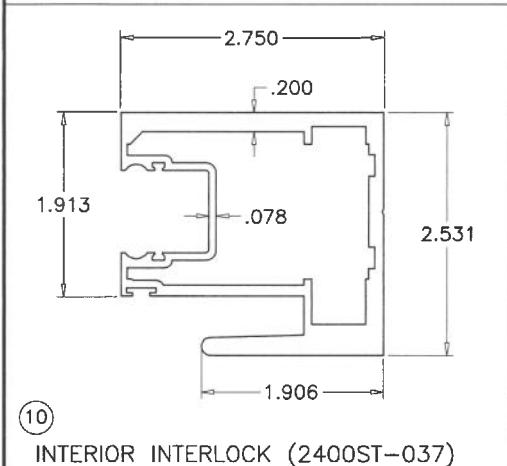
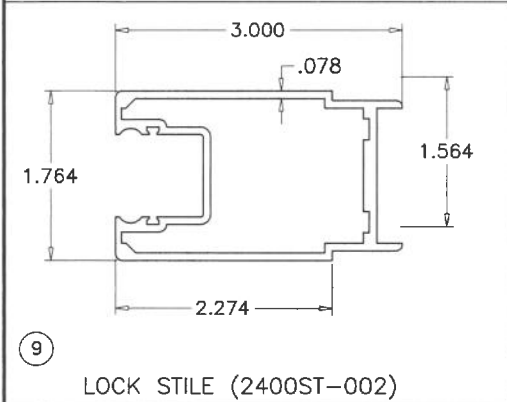
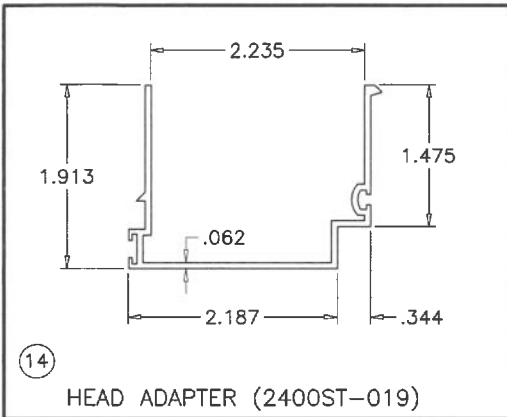
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3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX

AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
(C.A.N. 3558)
TEL. (305) 264-8100 FAX. (305) 262-6978
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FL #30338



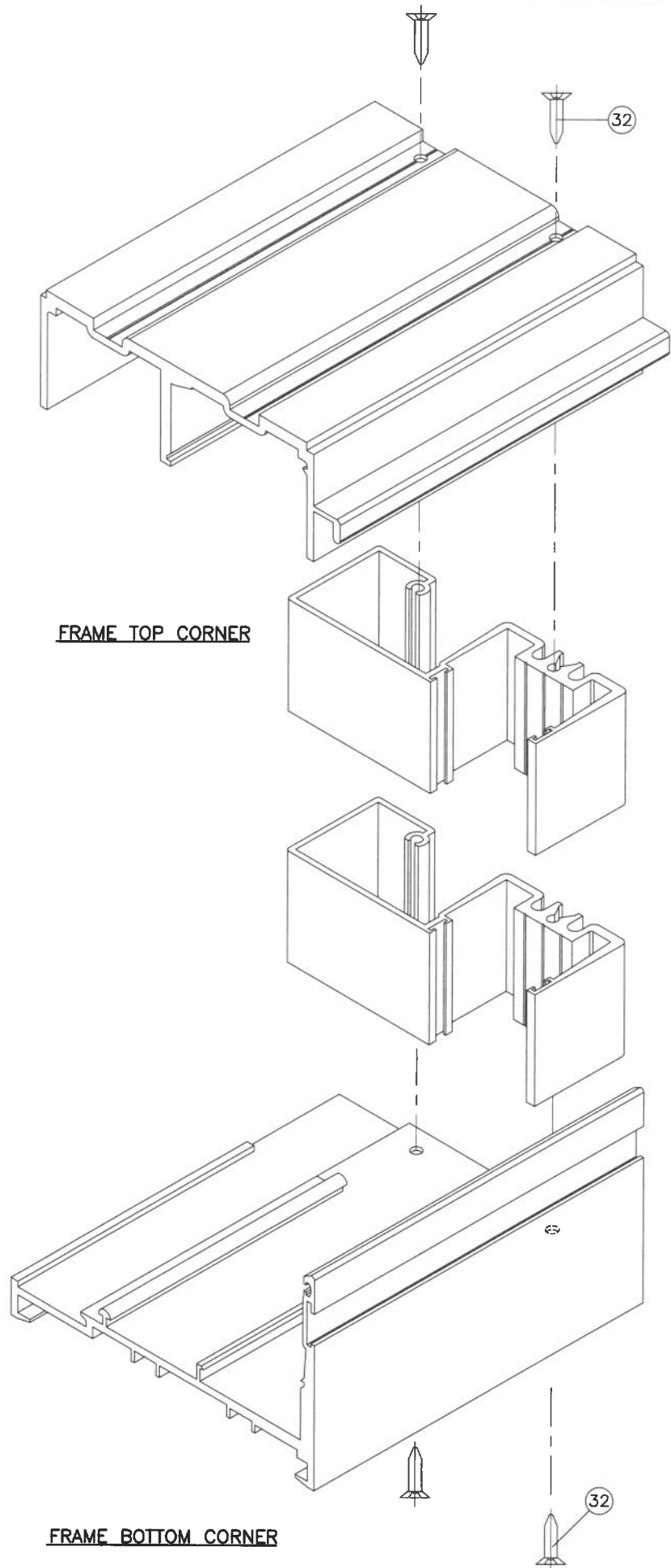
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AL-FAROOQ CORPORATION
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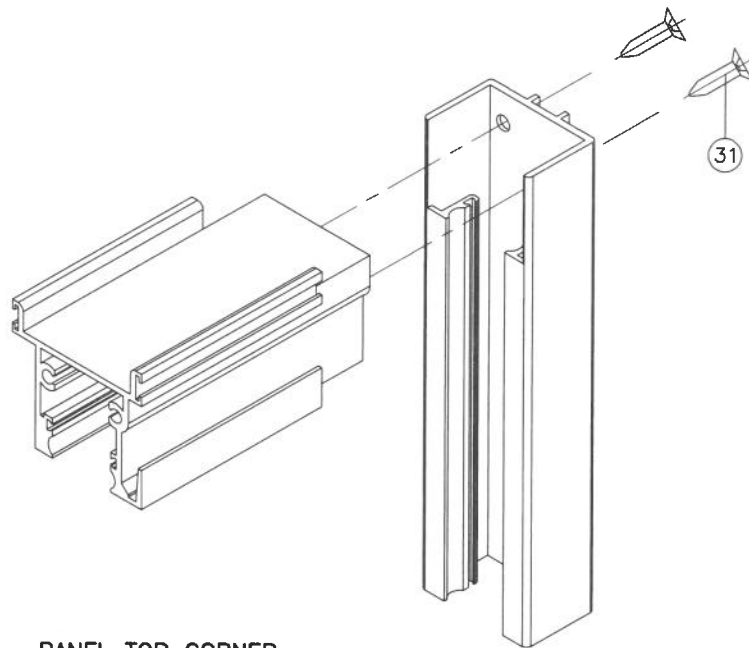
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sheet 24 of 25

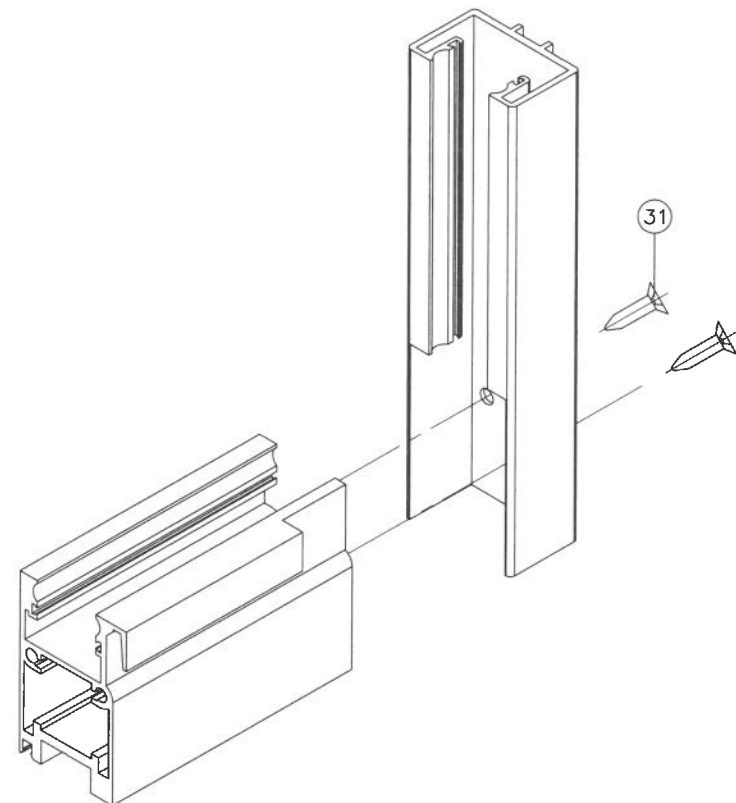


FRAME TOP CORNER

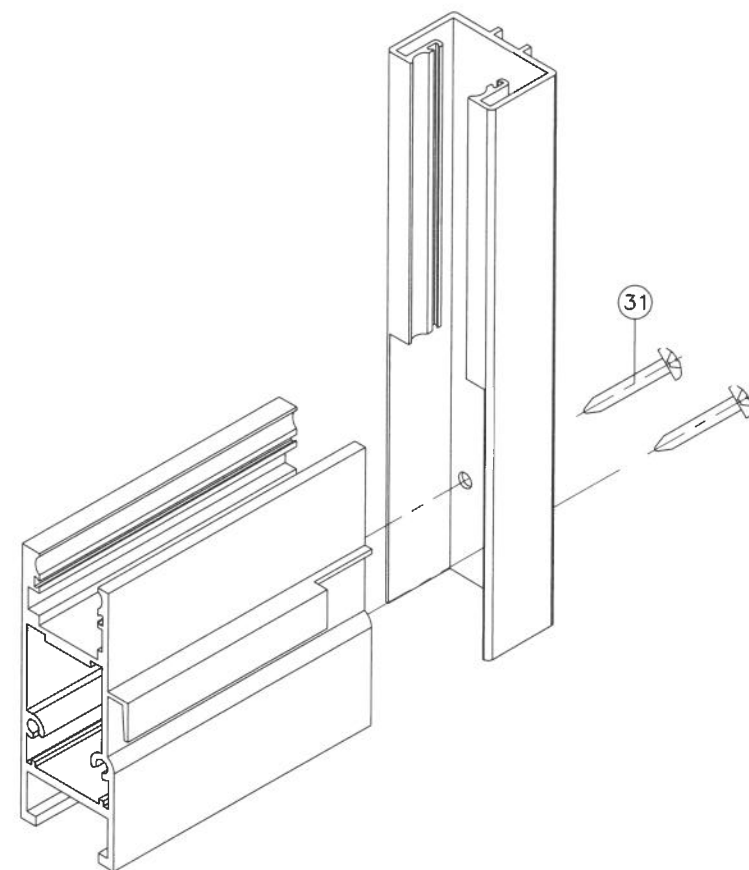
FRAME BOTTOM CORNER



PANEL TOP CORNER



PANEL BOTTOM CORNER
STD. BOTTOM RAIL



PANEL BOTTOM CORNER
HI-RISE BOTTOM RAIL

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drawing no. **19-76F**
sheet 25 of 25