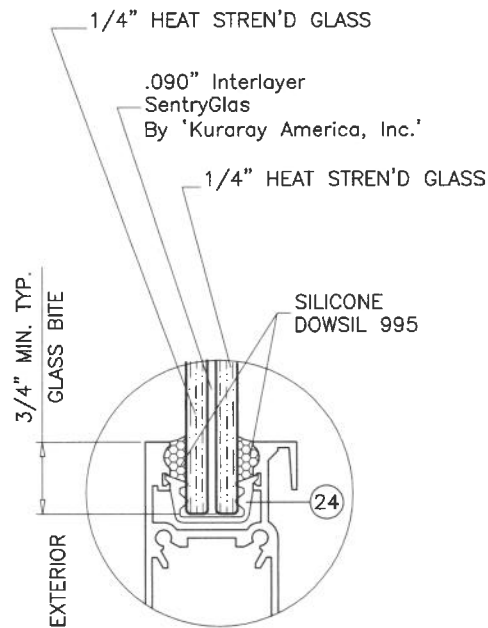
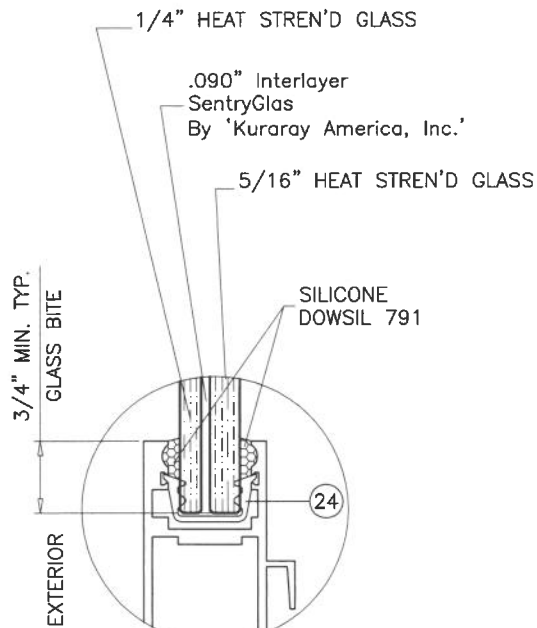
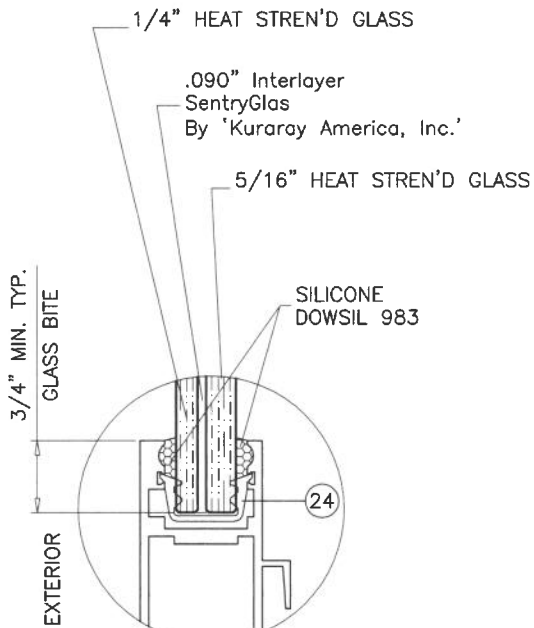




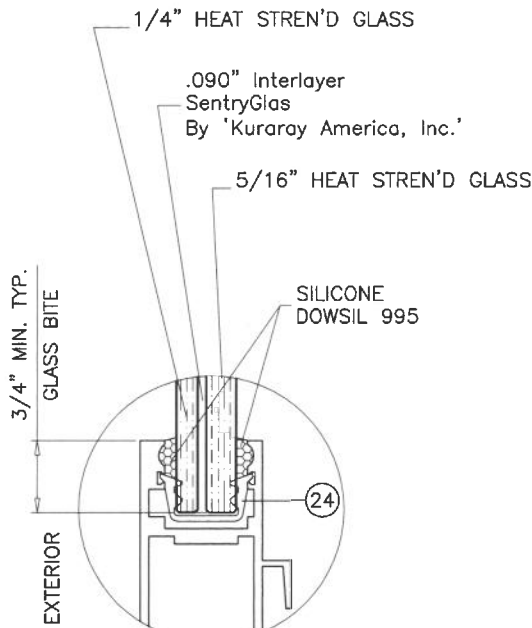
GLASS TYPE 'A'



GLASS TYPE 'B'



GLASS TYPE 'B.1'



GLASS TYPE 'B.2'

GLAZING OPTIONS

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

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 TABLE ON SHEET 3 FOR DOORS WITH ANCHORED JAMBS AND TABLE ON SHEET 5 FOR DOORS WITH FREE STANDING JAMBS.
- STEP 3** USING ANCHOR CHARTS ON SHEETS 6 THRU 9 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 FREE STANDING JAMBS SEE SHEET 17 TO VERIFY MIN. & MAX. GAP DIMENSIONS.
- STEP 6** FOR DOORS WITH UNANCHORED JAMBS, USING SHEET 17 DETERMINE MIN. AND MAX. GAP DIMENSIONS.

LAMINATED GLASS
LARGE MISSILE IMPACT

Sealed 7-3-2024

FL #30338

A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.

B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.





AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\19-75F-TGL

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

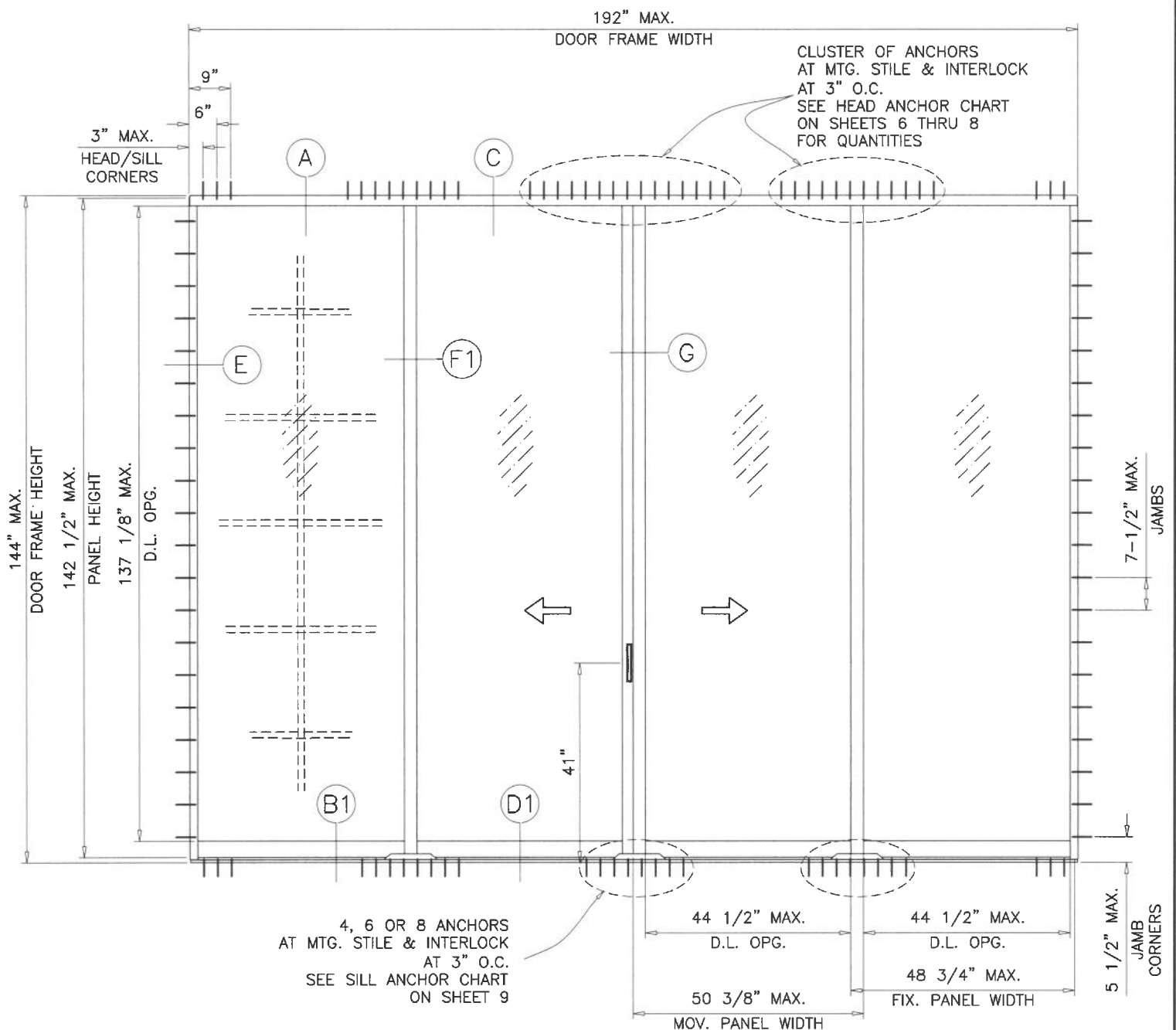
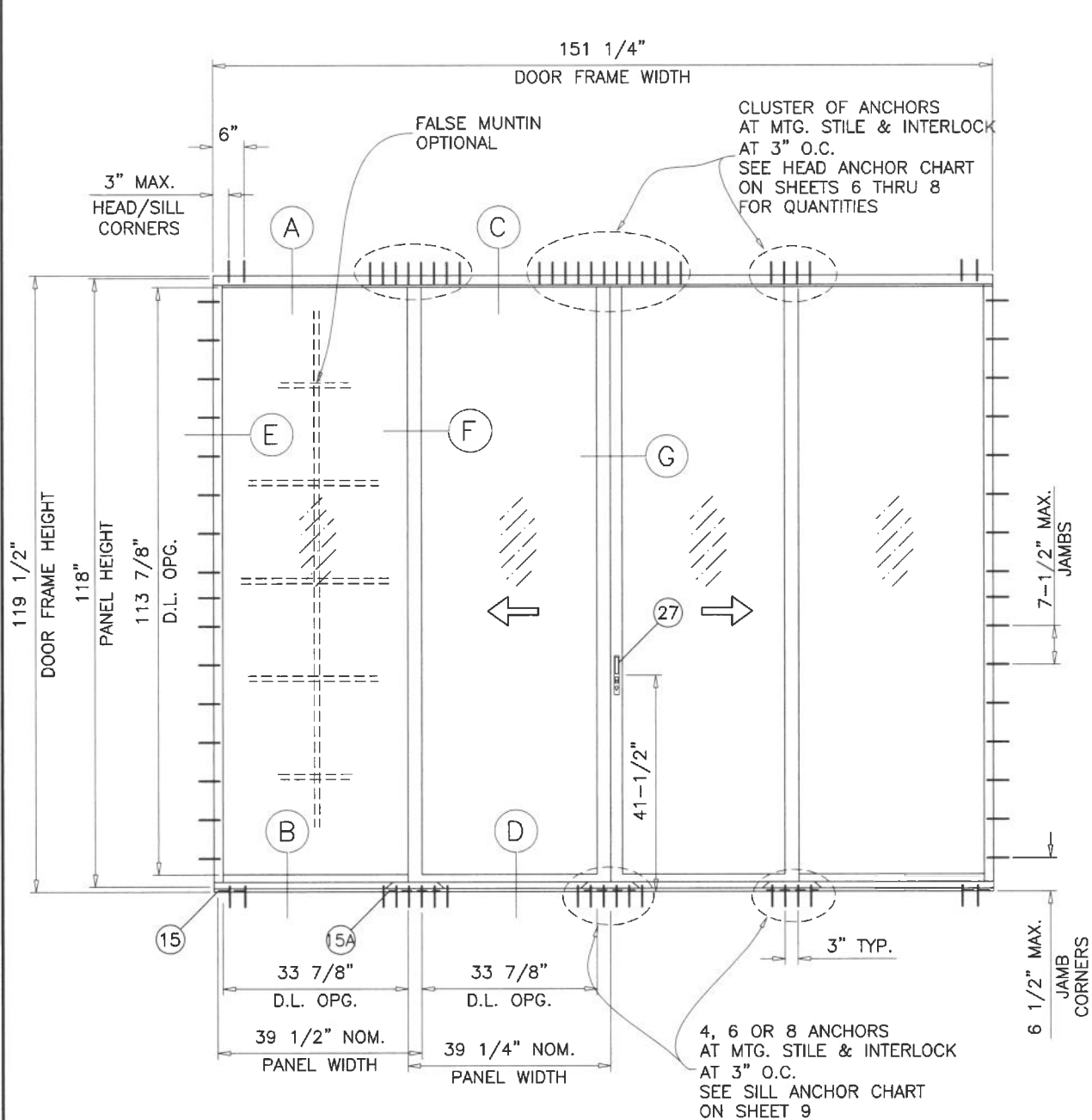
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	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	UPDATED TO 2023 FBC
	E	06.18.24	NEW TESTS ADDED

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

drawing no. 19-75F

sheet 1 of 21



TYPICAL ELEVATIONS (ANCHORED JAMBS)

TESTED UNITS (0XX0)

4 PANELS OR LESS

SEE SHEET 3 FOR DOOR CAPACITY
SEE SHEETS 6 THRU 9 FOR HEAD/SILL ANCHOR CAPACITY
LOWER VALUE FROM CHARTS WILL APPLY

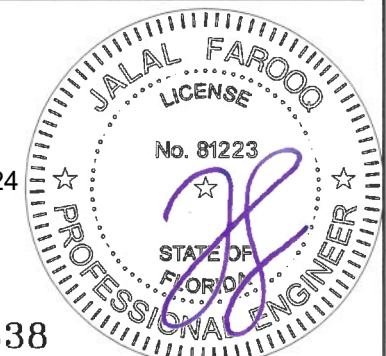
DAYLITE OPENINGS:

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 LOAD CAPACITY
WITH ANCHORED JAMBS

Sealed 7-3-2024

FL #30338



AL-FAROOQ CORPORATION
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COMP-ANL 19-75F-TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (L.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

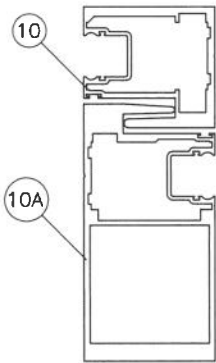
chk. by:

drawing no.

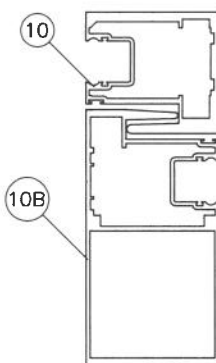
19-75F

sheet 2 of 21

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 TYPE 'B.1'		GLASS TYPE 'A'		GLASS TYPE 'B'	
		EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)	EXT. (+)	INT. (–)
36	96	150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
37–3/4		150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
42		134.8	134.8	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
48		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
54		–	–	–	–	111.1	146.7	111.1	111.1	111.1	111.1
60		–	–	–	–	100.0	132.0	100.0	100.0	100.0	100.0
36	102	150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
37–3/4		150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
42		134.8	134.8	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
48		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
54		–	–	–	–	111.1	146.7	111.1	111.1	111.1	111.1
60		–	–	–	–	100.0	132.0	100.0	100.0	100.0	100.0
36	108	150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
37–3/4		150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
42		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
48		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
54		–	–	–	–	111.1	146.7	111.1	111.1	111.1	111.1
60		–	–	–	–	100.0	132.0	100.0	100.0	100.0	100.0
36	114	150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
37–3/4		150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
42		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
48		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
54		–	–	–	–	111.1	146.7	111.1	111.1	111.1	111.1
60		–	–	–	–	100.0	132.0	100.0	100.0	100.0	100.0
36	119–3/8	150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
37–3/4		150.0	150.0	125.0	125.0	125.0	165.0	125.0	125.0	125.0	125.0
42		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
48		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
54		–	–	–	–	111.1	146.7	111.1	111.1	111.1	111.1
60		–	–	–	–	100.0	132.0	100.0	100.0	100.0	100.0
36	120	–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
37–3/4		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
42		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
48		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
54		–	–	–	–	111.1	146.7	111.1	111.1	111.1	111.1
60		–	–	–	–	100.0	132.0	100.0	100.0	100.0	100.0
36	126	–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
37–3/4		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
42		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
48		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
54		–	–	–	–	111.1	146.7	111.1	111.1	111.1	111.1
60		–	–	–	–	100.0	132.0	100.0	100.0	100.0	100.0
36	132	–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
37–3/4		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
42		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
48		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
54		–	–	–	–	111.1	146.7	111.1	111.1	111.1	111.1
60		–	–	–	–	100.0	132.0	100.0	100.0	100.0	100.0
36	138	–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
37–3/4		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
42		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
48		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
54		–	–	–	–	111.1	146.7	111.1	111.1	111.1	111.1
60		–	–	–	–	100.0	132.0	100.0	100.0	100.0	100.0
36	144	–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
37–3/4		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
42		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
48		–	–	–	–	125.0	165.0	125.0	125.0	125.0	125.0
54		–	–	–	–	111.1	146.7	111.1	111.1	111.1	111.1
60		–	–	–	–	100.0	132.0	100.0	100.0	100.0	100.0



H.D. EXT. INTERLOCK



STD. EXT. INTERLOCK

NOTE:
DOORS WITH FRAME JAMB REVERSED
(XO, OXO, XOX CONFIGURATIONS)
LIMIT MAX. DESIGN LOADS TO ±125 PSF.

DESIGN LOAD CAPACITY – PSF (GLASS) DOORS WITH ANCHORED JAMBS			
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	STD. EXT. INTERLOCK	
		GLASS TYPE 'B.2'	
		EXT. (+)	INT. (–)
48	102	120.0	120.0
54		120.0	120.0
60		120.0	120.0
66		120.0	120.0
72		120.0	120.0
74		120.0	120.0
78		113.8	113.8
84		105.7	105.7
48	108	120.0	120.0
54		120.0	120.0
60		120.0	120.0
66		120.0	120.0
72		120.0	120.0
74		120.0	120.0
78		113.8	113.8
84		105.7	105.7
48	114	120.0	120.0
54		120.0	120.0
60		120.0	120.0
66		120.0	120.0
72		120.0	120.0
74		120.0	120.0
78		113.8	113.8
84		105.7	105.7
48	120"	120.0	120.0
54		120.0	120.0
60		120.0	120.0
66		120.0	120.0
72		120.0	120.0
74		120.0	120.0
78		113.8	113.8
84		105.7	105.7

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

SGD LOAD CAPACITY
WITH ANCHORED JAMBS

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 \ 19-75F-TGL

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

TECNOGLASS, LLC
3550 N.W. 49 STREET
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revisions:

no	date	by	description

date: 08-15-19

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

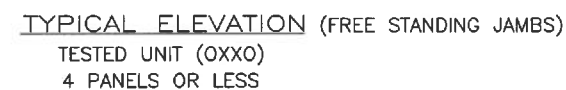
dr. by: TARIQ

chk. by:

drawing no.

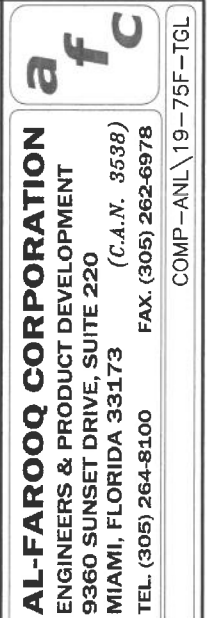
19-75F

sheet 3 of 21



SGD LOAD CAPACITY WITH FREE STANDING JAMBS

FL #30338

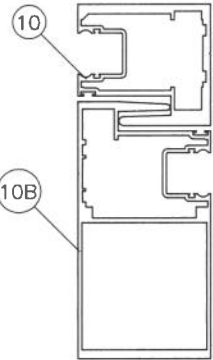


SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)

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

[illegible]

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 TYPE 'B.1'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30	96	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	114.6	123.7
54		111.1	111.1	111.1	111.1	101.9	110.0
60		100.0	100.0	100.0	100.0	91.7	99.0
30	102	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	114.6	123.7
54		111.1	111.1	111.1	111.1	101.9	110.0
60		100.0	100.0	100.0	100.0	-	-
30	108	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	114.6	123.7
54		111.1	111.1	111.1	111.1	-	-
60		100.0	100.0	100.0	100.0	-	-
30	114	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	114.6	123.7
54		111.1	111.1	111.1	111.1	-	-
60		100.0	100.0	100.0	100.0	-	-
30	119-3/8	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	114.6	123.7
54		111.1	111.1	111.1	111.1	-	-
30	120	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	114.6	123.7
54		111.1	111.1	111.1	111.1	-	-



STD. EXT. INTERLOCK

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 TYPE 'B.1'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30	126	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	125.0	135.0
48		125.0	125.0	125.0	125.0	-	-
54		111.1	111.1	111.1	111.1	-	-
30	132	125.0	125.0	125.0	125.0	125.0	135.0
36		125.0	125.0	125.0	125.0	125.0	135.0
37-3/4		125.0	125.0	125.0	125.0	125.0	135.0
42		125.0	125.0	125.0	125.0	-	-
30	138	125.0	125.0	125.0	125.0	-	-
36		125.0	125.0	125.0	125.0	-	-
37-3/4		125.0	125.0	125.0	125.0	-	-
42		125.0	125.0	125.0	125.0	-	-
30	144	125.0	125.0	125.0	125.0	-	-
36		125.0	125.0	125.0	125.0	-	-
37-3/4		125.0	125.0	125.0	125.0	-	-
42		125.0	125.0	125.0	125.0	-	-
44	144	125.0	125.0	125.0	125.0	-	-
48		117.7	117.7	117.7	117.7	-	-
44	144	125.0	125.0	125.0	125.0	-	-
48		124.3	124.3	124.3	124.3	-	-

JAMBS WITHOUT
STIFFENER

JAMBS WITH
STIFFENER

SEE DETAILS
ON
SHEET 17

DESIGN LOAD CAPACITY - PSF (GLASS) DOORS WITH FREE STANDING JAMBS			
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	STD. EXT. INTERLOCK	
		GLASS TYPE 'B.2'	
		EXT. (+)	INT. (-)
48	102	120.0	120.0
54		120.0	120.0
60		120.0	120.0
66		120.0	120.0
72		120.0	120.0
74		120.0	120.0
78		113.8	113.8
84		105.7	105.7
48	108	120.0	120.0
54		120.0	120.0
60		120.0	120.0
66		120.0	120.0
72		120.0	120.0
74		120.0	120.0
78	114	113.8	113.8
48		120.0	120.0
54		120.0	120.0
60		120.0	120.0
66		120.0	120.0
72	120"	120.0	120.0
74		120.0	120.0
48		120.0	120.0
54	120"	120.0	120.0
60		120.0	120.0
66		120.0	120.0
72		120.0	120.0
74		120.0	120.0

SEE CHART ABOVE FOR DOOR CAPACITY
SEE SHEETS 6 THRU 9 FOR HEAD/SILL ANCHOR CAPACITY
LOWER VALUE FROM CHARTS WILL APPLY
SEE SHEET 17 FOR MIN./MAX. JAMB GAPS

SGD LOAD CAPACITY
WITH FREE STANDING JAMBS

Sealed 7-3-2024

FL #30338



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

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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COMP - ANL \ 19-75F - TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (L.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

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

drawing no.
19-75F

sheet 5 of 21

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				
		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	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. (-)	EXT. (+) INT. (-)
36 37-3/4 42 48 54 60 66 72 74 78 84	96	118.3	165.0	165.0	165.0	165.0	87.0	130.6	165.0	165.0	165.0	68.5	102.8	137.1	165.0	165.0
		112.8	165.0	165.0	165.0	165.0	83.0	124.5	165.0	165.0	165.0	65.3	98.1	130.7	163.4	165.0
		101.4	152.1	165.0	165.0	165.0	74.6	111.9	149.2	165.0	165.0	58.7	88.1	117.5	146.9	165.0
		88.8	133.1	165.0	165.0	165.0	65.3	97.9	130.6	163.2	165.0	51.4	77.1	102.8	128.5	154.2
		78.9	118.3	157.8	165.0	165.0	58.0	87.1	116.1	145.1	165.0	45.7	68.6	91.4	114.2	137.1
		71.0	106.5	142.0	165.0	165.0	52.2	78.4	104.5	130.6	156.7	41.1	61.7	82.3	102.8	123.4
		64.5	96.8	129.1	161.4	165.0	47.5	71.2	94.9	118.7	142.4	37.4	56.1	74.8	93.5	112.1
		59.2	88.8	118.3	147.9	165.0	43.5	65.3	87.0	108.8	130.6	34.3	51.4	68.5	85.7	102.8
		57.6	86.4	115.1	120.0	120.0	42.3	63.5	84.7	105.9	120.0	33.3	50.0	66.7	83.4	100.0
		54.6	81.9	109.2	120.0	120.0	40.2	60.3	80.3	100.4	120.0	31.6	47.4	63.3	79.1	94.9
		50.7	76.1	101.4	120.0	120.0	37.3	56.0	74.6	93.3	111.9	29.4	44.1	58.7	73.4	88.1
36 37-3/4 42 48 54 60 66 72 74 78 84	102	111.4	165.0	165.0	165.0	165.0	81.9	122.9	163.8	165.0	165.0	64.5	96.8	129.0	161.3	165.0
		106.2	159.3	165.0	165.0	165.0	78.1	117.2	156.2	165.0	165.0	61.5	92.3	123.0	153.8	165.0
		95.5	143.2	165.0	165.0	165.0	70.2	105.3	140.4	165.0	165.0	55.3	83.0	110.6	138.2	165.0
		83.5	125.3	165.0	165.0	165.0	61.4	92.2	122.9	153.6	165.0	48.4	72.6	96.8	120.9	145.1
		74.2	111.4	148.5	165.0	165.0	54.6	81.9	109.2	136.5	163.8	43.0	64.5	86.0	107.5	129.0
		66.8	100.0	133.6	165.0	165.0	49.1	73.7	98.3	122.9	147.4	38.7	58.1	77.4	96.8	116.1
		60.7	91.1	121.5	151.9	165.0	44.7	67.0	89.4	111.7	134.0	35.2	52.8	70.4	88.0	105.5
		55.7	83.5	111.4	120.0	120.0	41.0	61.4	81.9	102.4	120.0	32.3	48.4	64.5	80.6	96.8
		54.2	81.3	108.4	120.0	120.0	39.8	59.8	79.7	99.6	119.5	31.4	47.1	62.8	78.4	94.1
		51.4	77.1	102.8	120.0	120.0	37.8	56.7	75.6	94.5	113.4	29.8	44.7	59.5	74.4	89.3
		47.7	71.6	95.5	119.3	120.0	35.1	52.7	70.2	87.8	105.3	27.6	41.5	55.3	69.1	82.9
36 37-3/4 42 48 54 60 66 72 74 78	108	105.2	157.8	165.0	165.0	165.0	77.3	116.1	154.7	165.0	165.0	60.9	91.4	121.9	152.3	165.0
		100.3	150.5	165.0	165.0	165.0	73.7	110.7	147.6	165.0	165.0	58.1	87.2	116.2	145.2	165.0
		90.2	135.2	165.0	165.0	165.0	66.3	99.5	132.6	165.0	165.0	52.2	78.3	104.4	130.5	156.6
		78.9	118.3	157.8	165.0	165.0	58.0	87.1	116.1	145.1	165.0	45.7	68.6	91.4	114.2	137.1
		70.1	105.2	140.2	165.0	165.0	51.6	77.4	103.2	128.9	154.7	40.6	60.9	81.2	101.5	121.8
		63.1	94.7	126.2	157.8	165.0	46.4	69.6	92.8	116.0	139.2	36.5	54.8	73.1	91.4	109.6
		57.4	86.1	114.7	120.0	120.0	42.2	63.3	84.4	105.5	120.0	33.2	49.8	66.5	83.1	99.7
		52.6	78.9	105.2	120.0	120.0	38.7	58.0	77.4	96.7	116.0	30.5	45.7	60.9	76.1	91.4
		51.2	76.8	102.3	120.0	120.0	37.6	56.5	75.3	94.1	112.9	29.6	44.5	59.3	74.1	88.9
		48.5	72.8	97.1	120.0	120.0	35.7	53.6	71.4	89.3	107.1	28.1	42.2	56.2	70.3	84.3
36 37-3/4 42 48 54 60 66 72 74	114	99.6	149.5	165.0	165.0	165.0	73.3	110.0	146.6	165.0	165.0	57.7	86.6	115.4	144.3	165.0
		95.0	142.5	165.0	165.0	165.0	69.9	104.9	139.8	165.0	165.0	55.0	82.6	110.1	137.6	165.0
		85.4	128.1	165.0	165.0	165.0	62.8	94.3	125.7	157.1	165.0	49.4	74.2	98.9	123.7	148.4
		74.7	112.1	149.5	165.0	165.0	54.9	82.5	109.9	137.4	164.9	43.3	64.9	86.6	108.2	129.8
		66.4	99.6	132.9	165.0	165.0	48.8	73.3	97.7	122.2	146.6	38.5	57.7	77.0	96.2	115.4
		59.8	89.7	119.6	149.5	165.0	44.0	66.0	87.9	109.9	131.9	34.6	52.0	69.3	86.6	103.9
		54.4	81.5	108.7	120.0	120.0	40.0	60.0	80.0	99.9	119.9	31.5	47.2	63.0	78.7	94.4
		49.8	74.7	99.6	120.0	120.0	36.6	55.0	73.3	91.6	109.9	28.9	43.3	57.7	72.1	86.6
		48.5	72.7	97.0	120.0	120.0	35.7	53.5	71.3	89.1	107.0	28.1	42.1	56.2	70.2	84.2
36 37-3/4 42 48 54 60 66 72 74	119-3/8	95.2	142.7	165.0	165.0	165.0	70.0	105.0	140.0	165.0	165.0	55.1	82.7	110.2	137.8	165.0
		90.8	136.1	165.0	165.0	165.0	66.7	100.1	133.5	165.0	165.0	52.5	78.9	105.1	131.4	157.7
		81.6	122.4	163.1	165.0	165.0	60.0	90.0	120.0	150.0	165.0	47.2	70.9	94.5	118.1	141.7
		71.4	107.1	142.7	165.0	165.0	52.5	78.8	105.0	131.2	157.5	41.3	62.0	82.7	103.3	124.0
		63.4	95.2	126.9	158.6	165.0	46.6	70.0	93.3	116.7	140.0	36.7	55.1	73.5	91.9	110.2
		57.1	85.6	114.2	120.0	120.0	42.0	63.0	84.0	105.0	120.0	33.1	49.6	66.1	82.7	99.2
		51.9	77.9	103.8	120.0	120.0	38.2	57.3	76.4	95.4	114.5	30.1	45.1	60.1	75.2	90.2
		47.6	71.4	95.2	119.0	120.0	35.0	52.5	70.0	87.5	105.0	27.6	41.3	55.1	68.9	82.7
		46.3	69.4	92.6	115.7	120.0	34.0	51.1	68.1	85.1	102.1	26.8	40.2	53.6	67.0	80.4

CHART CONTINUES ON NEXT SHEET

SEE SHEET 13 FOR ANCHOR
DESCRIPTION

HEAD ANCHOR CAPACITY CHART

Sealed 7-3-2024



FL #30338

**AL-FAROOQ CORPORATION**
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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(C.A.N. 3538)

SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
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FAX (305) 638-5158

revisions:
no date by description
date: 08-15-19
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no.
19-75F
sheet 6 of 21

COMP-ANL \ 19-75F-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				
		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	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. (-)	EXT. (+) INT. (-)
36	120	94.7	142.0	165.0	165.0	165.0	69.6	104.5	139.3	165.0	165.0	54.8	82.3	109.7	137.1	164.5
37-3/4		90.3	135.4	165.0	165.0	165.0	66.4	99.6	132.8	165.0	165.0	52.3	78.5	104.6	130.7	156.8
42		81.1	121.7	162.3	165.0	165.0	59.7	89.5	119.4	149.2	165.0	47.0	70.5	94.0	117.5	141.0
48		71.0	106.5	142.0	165.0	165.0	52.2	78.4	104.5	130.6	156.7	41.1	61.7	82.3	102.8	123.4
54		63.1	94.7	126.2	157.8	165.0	46.4	69.6	92.8	116.0	139.2	36.5	54.8	73.1	91.4	109.6
60		56.8	85.2	113.6	120.0	120.0	41.8	62.7	83.6	104.4	120.0	32.9	49.3	65.8	82.2	98.7
66		51.6	77.5	103.3	120.0	120.0	38.0	57.0	76.0	94.9	113.9	29.9	44.9	59.8	74.8	89.7
72		47.3	71.0	94.7	118.3	120.0	34.8	52.2	69.6	87.0	104.4	27.4	41.1	54.8	68.5	82.2
74		46.1	69.1	92.1	115.1	120.0	33.9	50.8	67.7	84.7	101.6	26.7	40.0	53.3	66.7	80.0
36	126	90.2	135.2	165.0	165.0	165.0	66.3	99.5	132.6	165.0	165.0	52.2	78.3	104.4	130.5	156.6
37-3/4		86.0	129.0	165.0	165.0	165.0	63.2	94.9	126.5	158.1	165.0	49.8	74.7	99.6	124.5	149.4
42		77.3	115.9	154.6	165.0	165.0	56.8	85.3	113.7	142.1	165.0	44.7	67.2	89.5	111.9	134.3
48		67.6	101.4	135.2	165.0	165.0	49.7	74.6	99.5	124.3	149.2	39.1	58.8	78.3	97.9	117.5
54	132	60.1	90.2	120.2	150.3	165.0	44.2	66.3	88.4	110.5	132.6	34.8	52.2	69.6	87.0	104.4
36		86.1	129.1	165.0	165.0	165.0	63.3	95.0	126.6	158.2	165.0	49.8	74.8	99.7	124.6	149.5
37-3/4		82.1	123.1	164.1	165.0	165.0	60.3	90.6	120.7	150.9	165.0	47.5	71.3	95.1	118.8	142.6
42		73.8	110.6	147.5	165.0	165.0	54.2	81.4	108.5	135.6	162.8	42.7	64.1	85.5	106.8	128.2
48	138	64.5	96.8	129.1	161.4	165.0	47.5	71.2	95.0	118.7	142.4	37.4	56.1	74.8	93.5	112.1
36		82.3	123.5	164.6	165.0	165.0	60.5	90.8	121.1	151.4	165.0	47.7	71.5	95.4	119.2	143.0
37-3/4		78.5	117.8	157.0	165.0	165.0	57.7	86.6	115.5	144.3	165.0	45.4	68.2	90.9	113.7	136.4
42		70.6	105.8	141.1	165.0	165.0	51.9	77.9	103.8	129.7	155.7	40.8	61.3	81.7	102.2	122.6
48	144	61.7	92.6	123.5	154.3	165.0	45.4	68.1	90.8	113.5	136.2	35.7	53.7	71.5	89.4	107.3
36		78.9	118.3	157.8	165.0	165.0	58.0	87.1	116.1	145.1	165.0	45.7	68.6	91.4	114.2	137.1
37-3/4		75.2	112.8	150.5	165.0	165.0	55.3	83.0	110.7	138.3	165.0	43.5	65.4	87.2	108.9	130.7
42		67.6	101.4	135.2	165.0	165.0	49.7	74.6	99.5	124.3	149.2	39.1	58.8	78.3	97.9	117.5
48	144	59.2	88.8	118.3	147.9	165.0	43.5	65.3	87.0	108.8	130.5	34.3	51.4	68.5	85.7	102.8

SEE SHEET 13 FOR ANCHOR DESCRIPTION

HEAD ANCHOR CAPACITY CHART

Sealed 7-3-2024

FL #30338



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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COMP-ANL\19-75F-TGL

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

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3550 N.W. 49 STREET
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revisions:
no date by description

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

drawing no.
19-75F
sheet **6.1** of **21**

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					
		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 37–3/4 42 48 54 60 66 72 74 78 84	96	134.0	165.0	165.0	165.0	87.0	130.6	165.0	165.0	165.0	68.5	102.8	137.1	165.0	165.0	
		127.8	165.0	165.0	165.0	83.0	124.5	165.0	165.0	165.0	65.3	98.1	130.7	163.4	165.0	
		114.9	165.0	134.8	165.0	74.6	111.9	149.2	165.0	134.5	58.7	88.1	117.5	146.9	165.0	
		100.5	150.8	165.0	165.0	65.3	97.9	130.6	163.2	165.0	51.4	77.1	102.8	128.5	154.2	
		89.3	134.0	165.0	165.0	58.0	87.1	116.1	145.1	165.0	45.7	68.6	91.4	114.2	137.1	
		80.4	120.6	160.8	165.0	52.2	78.4	104.5	130.6	156.7	41.1	61.7	82.3	102.8	123.4	
		73.1	109.6	146.2	165.0	47.5	71.2	94.9	118.7	142.4	37.4	56.1	74.8	93.5	112.1	
		67.0	100.5	134.0	120.0	43.5	65.3	87.0	108.8	130.6	34.3	51.4	68.5	85.7	102.8	
		65.2	97.8	120.0	120.0	42.3	63.5	84.7	105.9	120.0	33.3	50.0	66.7	83.4	100.0	
		61.8	92.8	120.0	120.0	40.2	60.3	80.3	100.4	120.0	31.6	47.4	63.3	79.1	94.9	
		57.4	86.1	114.9	120.0	37.3	56.0	74.6	93.3	111.9	29.4	44.1	58.7	73.4	88.1	
36 37–3/4 42 48 54 60 66 72 74 78 84	102	126.1	165.0	165.0	165.0	81.9	122.9	163.8	165.0	165.0	64.5	96.8	129.0	161.3	165.0	
		120.3	165.0	165.0	165.0	78.1	117.2	156.2	165.0	165.0	61.5	92.3	123.0	153.8	165.0	
		108.1	162.2	134.8	165.0	70.2	105.3	140.4	165.0	165.0	55.3	83.0	110.6	138.2	165.0	
		94.6	141.9	165.0	165.0	61.4	92.2	122.9	153.6	165.0	48.4	72.6	96.8	120.9	145.1	
		84.1	126.1	165.0	165.0	54.6	81.9	109.2	136.5	163.8	43.0	64.5	86.0	107.5	129.0	
		75.7	113.5	151.3	165.0	49.1	73.7	98.3	122.9	147.4	38.7	58.1	77.4	96.8	116.1	
		68.8	103.2	137.6	165.0	44.7	67.0	89.4	111.7	134.0	35.2	52.8	70.4	88.0	105.5	
		63.1	94.6	120.0	120.0	41.0	61.4	81.9	102.4	120.0	32.3	48.4	64.5	80.6	96.8	
		61.4	92.0	120.0	120.0	39.8	59.8	79.7	99.6	119.5	31.4	47.1	62.8	78.4	94.1	
		58.2	87.3	116.4	120.0	37.8	56.7	75.6	94.5	113.4	29.8	44.7	59.5	74.4	89.3	
		54.1	81.1	108.1	120.0	35.1	52.7	70.2	87.8	105.3	27.6	41.5	55.3	69.1	82.9	
36 37–3/4 42 48 54 60 66 72 74 78	108	119.1	165.0	165.0	165.0	77.3	116.1	154.7	165.0	165.0	60.9	91.4	121.9	152.3	165.0	
		113.6	165.0	165.0	165.0	73.7	110.7	147.6	165.0	165.0	58.1	87.2	116.2	145.2	165.0	
		102.1	153.1	165.0	165.0	66.3	99.5	132.6	165.0	165.0	52.2	78.3	104.4	130.5	156.6	
		89.3	134.0	165.0	165.0	58.0	87.1	116.1	145.1	165.0	45.7	68.6	91.4	114.2	137.1	
		79.4	119.1	158.8	165.0	51.6	77.4	103.2	128.9	154.7	40.6	60.9	81.2	101.5	121.8	
		71.5	107.2	142.9	165.0	46.4	69.6	92.8	116.0	139.2	36.5	54.8	73.1	91.4	109.6	
		65.0	97.5	120.0	120.0	42.2	63.3	84.4	105.5	120.0	33.2	49.8	66.5	83.1	99.7	
		59.6	89.3	119.1	120.0	38.7	58.0	77.4	96.7	116.0	30.5	45.7	60.9	76.1	91.4	
		57.9	86.9	115.9	120.0	37.6	56.5	75.3	94.1	112.9	29.6	44.5	59.3	74.1	88.9	
		55.0	82.5	109.9	120.0	35.7	53.6	71.4	89.3	107.1	28.1	42.2	56.2	70.3	84.3	
36 37–3/4 42 48 54 60 66 72 74	114	112.8	165.0	165.0	165.0	73.3	110.0	146.6	165.0	165.0	57.7	86.6	115.4	144.3	165.0	
		107.6	161.4	165.0	165.0	69.9	104.9	139.8	165.0	165.0	55.0	82.6	110.1	137.6	165.0	
		96.7	145.1	165.0	165.0	62.8	94.3	125.7	157.1	165.0	49.4	74.2	98.9	123.7	148.4	
		84.6	126.9	165.0	165.0	54.9	82.5	109.9	137.4	164.9	43.3	64.9	86.6	108.2	129.8	
		75.2	112.8	150.5	165.0	48.8	73.3	97.7	122.2	146.6	38.5	57.7	77.0	96.2	115.4	
		67.7	101.6	135.4	165.0	44.0	66.0	87.9	109.9	131.9	34.6	52.0	69.3	86.6	103.9	
		61.6	92.3	120.0	120.0	40.0	60.0	80.0	99.9	119.9	31.5	47.2	63.0	78.7	94.4	
		56.4	84.6	112.8	120.0	36.6	55.0	73.3	91.6	109.9	28.9	43.3	57.7	72.1	86.6	
		54.9	82.3	109.8	120.0	35.7	53.5	71.3	89.1	107.0	28.1	42.1	56.2	70.2	84.2	
		36 37–3/4 42 48 54 60 66 72 74	119–3/8	107.8	161.6	165.0	165.0	70.0	105.0	140.0	165.0	165.0	55.1	82.7	110.2	137.8
102.8	154.1			165.0	165.0	66.7	100.1	133.5	165.0	165.0	52.5	78.9	105.1	131.4	157.7	
92.4	138.6			165.0	165.0	60.0	90.0	120.0	150.0	165.0	47.2	70.9	94.5	118.1	141.7	
80.8	121.2			161.6	165.0	52.5	78.8	105.0	131.2	157.5	41.3	62.0	82.7	103.3	124.0	
71.8	107.8			143.7	165.0	46.6	70.0	93.3	116.7	140.0	36.7	55.1	73.5	91.9	110.2	
64.7	97.0			120.0	120.0	42.0	63.0	84.0	105.0	120.0	33.1	49.6	66.1	82.7	99.2	
58.8	88.2			117.6	120.0	38.2	57.3	76.4	95.4	114.5	30.1	45.1	60.1	75.2	90.2	
53.9	80.8			107.8	120.0	35.0	52.5	70.0	87.5	105.0	27.6	45.3	55.1	68.9	82.7	
52.4	78.6			104.8	120.0	34.0	51.1	68.1	85.1	102.1	26.8	40.2	53.6	67.0	80.4	

CHART CONTINUES ON NEXT SHEET

SEE SHEET 13 FOR ANCHOR
DESCRIPTION

HEAD ANCHOR CAPACITY CHART

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\19-75F-TGL

SERIES-DM12 ALUM SLD. GLASS DOOR (L.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.
19-75F

sheet 7 of 21

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					
		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 37–3/4 42 48 54 60 66 72 74	120	107.2	160.8	165.0	165.0	69.6	104.5	139.3	165.0	165.0	54.8	82.3	109.7	137.1	164.5	
		102.2	153.3	165.0	165.0	66.4	99.6	132.8	165.0	165.0	52.3	78.5	104.6	130.7	156.8	
		91.9	137.8	165.0	165.0	59.7	89.5	119.4	149.2	165.0	47.0	70.5	94.0	117.5	141.0	
		80.4	120.6	160.8	165.0	52.2	78.4	104.5	130.6	156.7	41.1	61.7	82.3	102.8	123.4	
		71.5	107.2	142.9	165.0	46.4	69.6	92.8	116.0	139.2	36.5	54.8	73.1	91.4	109.6	
		64.3	96.5	120.0	120.0	41.8	62.7	83.6	104.4	120.0	32.9	49.3	65.8	82.2	98.7	
		58.5	87.7	116.9	120.0	38.0	57.0	76.0	94.9	113.9	29.9	44.9	59.8	74.8	89.7	
		53.6	80.4	107.2	120.0	34.8	52.2	69.6	87.0	104.4	27.4	41.1	54.8	68.5	82.2	
52.2	78.2	104.3	120.0	33.9	50.8	67.7	84.7	101.6	26.7	40.0	53.3	66.7	80.0			
36 37–3/4 42 48 54	126	102.1	153.1	165.0	165.0	66.3	99.5	132.6	165.0	165.0	52.2	78.3	104.4	130.5	156.6	
		97.4	146.0	165.0	165.0	63.2	94.9	126.5	158.1	165.0	49.8	74.7	99.6	124.5	149.4	
		87.5	131.3	165.0	165.0	56.8	85.3	113.7	142.1	165.0	44.7	67.2	89.5	111.9	134.3	
		76.6	114.9	153.1	165.0	49.7	74.6	99.5	124.3	149.2	39.1	58.8	78.3	97.9	117.5	
		68.1	102.1	136.1	165.0	44.2	66.3	88.4	110.5	132.6	34.8	52.2	69.6	87.0	104.4	
36 37–3/4 42 48	132	97.5	146.2	165.0	165.0	63.3	95.0	126.6	158.2	165.0	49.8	74.8	99.7	124.6	149.5	
		92.9	139.4	165.0	165.0	60.3	90.6	120.7	150.9	165.0	47.5	71.3	95.1	118.8	142.6	
		83.5	125.3	165.0	165.0	54.2	81.4	108.5	135.6	162.8	42.7	64.1	85.5	106.8	128.2	
		73.1	109.6	146.2	165.0	47.5	71.2	95.0	118.7	142.4	37.4	56.1	74.8	93.5	112.1	
36 37–3/4 42 48	138	93.2	139.8	165.0	165.0	60.5	90.8	121.1	151.4	165.0	47.7	71.5	95.4	119.2	143.0	
		88.9	133.3	165.0	165.0	57.7	86.6	115.5	144.3	165.0	45.4	68.2	90.9	113.7	136.4	
		79.9	119.9	159.8	165.0	51.9	77.9	103.8	129.7	155.7	40.8	61.3	81.7	102.2	122.6	
		69.9	104.9	139.8	165.0	45.4	68.1	90.8	113.5	136.2	35.7	53.7	71.5	89.4	107.3	
36 37–3/4 42 48	144	89.3	134.0	165.0	165.0	58.0	87.1	116.1	145.1	165.0	45.7	68.6	91.4	114.2	137.1	
		85.2	127.8	165.0	165.0	55.3	83.0	110.7	138.3	165.0	43.5	65.4	87.2	108.9	130.7	
		76.6	114.9	153.1	165.0	49.7	74.6	99.5	124.3	149.2	39.1	58.8	78.3	97.9	117.5	
		67.0	100.5	134.0	165.0	43.5	65.3	87.0	108.8	130.5	34.3	51.4	68.5	85.7	102.8	

SEE SHEET 13 FOR ANCHOR
DESCRIPTION

HEAD ANCHOR CAPACITY CHART

Sealed 7-3-2024

FL #30338



afcc

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 (L.M.I.)

TECNOGLASS, LLC

3550 N.W. 49 STREET

MIAMI, FL. 33142

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FAX. (305) 638-5158

revisions:

no	date	by	description

date: 08-15-19

scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

drawing no.

19-75F

sheet 7.1 of 21

COMP-ANL\19-75F-TCL

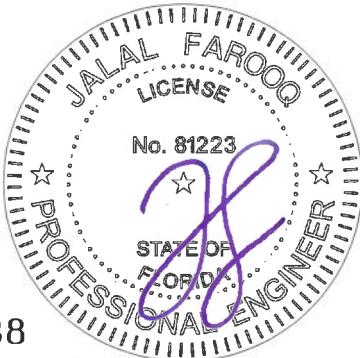
DESIGN LOAD CAPACITY – PSF (HEAD ANCHORS)																
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'C'														
		1/4" MAX. SHIM SPACE			3/8" MAX. SHIM SPACE					1/2" MAX. SHIM SPACE						
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE 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 37–3/4 42 48 54 60 66 72 74 78 84	96	165.0	165.0	165.0	123.8	165.0	165.0	165.0	165.0	98.7	148.0	165.0	165.0	165.0		
		158.6	165.0	165.0	118.1	165.0	165.0	165.0	165.0	94.1	141.1	165.0	165.0	165.0		
		142.6	165.0	165.0	106.1	159.3	165.0	165.0	165.0	84.6	126.9	165.0	165.0	165.0		
		124.8	165.0	165.0	92.9	139.4	165.0	165.0	165.0	74.0	111.0	148.0	165.0	165.0		
		110.9	165.0	165.0	82.6	123.9	165.0	165.0	165.0	65.8	98.7	131.6	164.4	165.0		
		99.8	149.7	165.0	74.3	111.5	148.7	165.0	165.0	59.2	88.8	118.4	148.0	165.0		
		90.7	136.1	165.0	67.6	101.3	135.1	165.0	165.0	53.8	80.7	107.6	134.5	161.5		
		83.2	124.8	165.0	61.9	92.9	123.9	154.8	165.0	49.3	74.0	98.7	123.3	148.0		
		80.9	120.0	120.0	60.3	90.4	120.0	120.0	120.0	48.0	72.0	96.0	120.0	120.0		
		76.8	115.2	120.0	57.2	85.8	114.3	120.0	120.0	45.5	68.3	91.1	113.8	120.0		
		71.3	106.9	120.0	53.1	79.6	106.2	120.0	120.0	42.3	63.4	84.6	105.7	120.0		
36 37–3/4 42 48 54 60 66 72 74 78 84	102	156.5	165.0	165.0	116.5	165.0	165.0	165.0	165.0	92.9	139.3	165.0	165.0	165.0		
		149.3	165.0	165.0	111.1	165.0	165.0	165.0	165.0	88.6	132.8	165.0	165.0	165.0		
		134.2	165.0	165.0	99.9	149.9	165.0	165.0	165.0	79.6	119.4	159.2	165.0	165.0		
		117.4	165.0	165.0	87.4	131.2	165.0	165.0	165.0	69.6	104.5	139.3	165.0	165.0		
		104.4	156.5	165.0	77.7	116.6	155.5	165.0	165.0	61.9	92.9	123.8	154.8	165.0		
		93.9	140.9	165.0	69.9	104.9	139.9	165.0	165.0	55.7	83.6	111.4	139.3	165.0		
		85.4	128.1	165.0	63.6	95.4	127.2	159.0	165.0	50.7	76.0	101.3	126.6	152.0		
		78.3	117.4	120.0	58.3	87.4	116.6	120.0	120.0	46.4	69.6	92.9	116.1	120.0		
		76.2	114.2	120.0	56.7	85.1	113.4	120.0	120.0	45.2	67.8	90.4	112.9	120.0		
		72.3	108.4	120.0	53.8	80.7	107.6	120.0	120.0	42.9	64.3	85.7	107.1	120.0		
		67.1	100.6	120.0	50.0	74.9	99.9	120.0	120.0	39.8	59.7	79.6	99.5	119.4		
36 37–3/4 42 48 54 60 66 72 74 78	108	147.9	165.0	165.0	110.1	165.0	165.0	165.0	165.0	87.7	131.6	165.0	165.0	165.0		
		141.0	165.0	165.0	105.0	157.5	165.0	165.0	165.0	83.6	125.5	165.0	165.0	165.0		
		165.0	165.0	165.0	94.3	141.6	165.0	165.0	165.0	75.2	112.8	150.3	165.0	165.0		
		110.9	165.0	165.0	82.6	123.9	165.0	165.0	165.0	65.8	98.7	131.6	164.4	165.0		
		98.6	147.9	165.0	73.4	110.1	146.8	165.0	165.0	58.5	87.7	116.9	146.2	165.0		
		88.7	133.1	165.0	66.0	99.1	132.1	165.0	165.0	52.6	78.9	105.2	131.6	157.9		
		80.6	120.0	120.0	60.1	90.1	120.0	120.0	120.0	47.8	71.8	95.7	119.6	120.0		
		73.9	110.9	120.0	55.1	82.6	110.1	120.0	120.0	43.9	65.8	87.7	109.6	120.0		
		71.9	107.9	120.0	53.6	80.3	107.1	120.0	120.0	42.7	64.0	85.3	106.7	120.0		
		68.2	102.4	120.0	50.8	76.2	101.6	120.0	120.0	40.5	60.7	81.0	101.2	120.0		
		36 37–3/4 42 48 54 60 66 72 74	114	140.1	165.0	165.0	104.3	156.5	165.0	165.0	165.0	83.1	124.6	165.0	165.0	165.0
133.6	165.0			165.0	99.4	149.2	165.0	165.0	165.0	79.2	118.9	158.5	165.0	165.0		
120.1	165.0			165.0	89.4	134.1	165.0	165.0	165.0	71.2	106.8	142.4	165.0	165.0		
105.1	157.6			165.0	78.2	117.4	156.5	165.0	165.0	62.3	93.5	124.6	155.8	165.0		
93.4	140.1			165.0	69.5	104.3	139.1	165.0	165.0	55.4	83.1	110.8	138.5	165.0		
84.0	126.1			165.0	62.6	93.9	125.2	156.5	165.0	49.9	74.8	99.7	124.6	149.6		
76.4	114.6			120.0	56.9	85.3	113.8	120.0	120.0	45.3	68.0	90.6	113.3	120.0		
70.0	105.1			120.0	52.2	78.2	104.3	120.0	120.0	41.5	62.3	83.1	103.9	120.0		
68.1	102.2			120.0	50.7	76.1	101.5	120.0	120.0	40.4	60.6	80.8	101.1	120.0		
36 37–3/4 42 48 54 60 66 72 74	119–3/8			133.8	165.0	165.0	99.6	149.4	165.0	165.0	165.0	79.3	119.0	158.7	165.0	165.0
				127.6	165.0	165.0	95.0	142.5	165.0	165.0	165.0	75.7	113.5	151.3	165.0	165.0
		114.7	165.0	165.0	85.4	128.1	165.0	165.0	165.0	68.0	102.0	136.0	165.0	165.0		
		100.3	150.5	165.0	74.7	112.1	149.4	165.0	165.0	59.5	89.3	119.0	148.8	165.0		
		89.2	133.8	165.0	66.4	99.6	132.8	165.0	165.0	52.9	79.3	105.8	132.2	158.7		
		80.3	120.0	120.0	59.8	89.7	119.5	120.0	120.0	47.6	71.4	95.2	119.0	120.0		
		73.0	109.4	120.0	54.3	81.5	108.7	120.0	120.0	43.3	64.9	86.6	108.2	120.0		
		66.9	100.3	120.0	49.8	74.7	99.6	120.0	120.0	39.7	59.5	79.3	99.2	119.0		
		65.1	97.6	120.0	48.5	72.7	96.9	120.0	120.0	38.6	57.9	77.2	96.5	115.8		

CHART CONTINUES ON NEXT SHEET

SEE SHEET 13 FOR ANCHOR
DESCRIPTION

HEAD ANCHOR CAPACITY CHART

Sealed 7-3-2024



FL #30338

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

SERIES-DM12 ALUM SLD. GLASS DOOR (L.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.
19-75F

sheet **8** of **21**

COMP-ANL\19-75F-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				
		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 37–3/4 42 48 54 60 66 72 74	120	133.1	165.0	165.0	99.1	148.7	165.0	165.0	165.0	78.9	118.4	157.9	165.0	165.0	
		126.9	165.0	165.0	94.5	141.8	165.0	165.0	165.0	75.3	112.9	150.5	165.0	165.0	
		114.1	165.0	165.0	84.9	127.4	165.0	165.0	165.0	67.7	101.5	135.3	165.0	165.0	
		99.8	149.7	165.0	74.3	111.5	148.7	165.0	165.0	59.2	88.8	118.4	148.0	165.0	
		88.7	133.1	165.0	66.0	99.1	132.1	165.0	165.0	52.6	78.9	105.2	131.6	157.9	
		79.8	119.8	120.0	59.5	89.2	118.9	120.0	120.0	47.4	71.0	94.7	118.4	120.0	
		72.6	108.9	120.0	54.1	81.1	108.1	120.0	120.0	43.1	64.6	86.1	107.6	120.0	
		66.5	99.8	120.0	49.5	74.3	99.1	120.0	120.0	39.5	59.2	78.9	98.7	118.4	
		64.7	97.1	120.0	48.2	72.3	96.4	120.0	120.0	38.4	57.6	76.8	96.0	115.2	
36 37–3/4 42 48 54	126	126.7	165.0	165.0	94.3	141.6	165.0	165.0	165.0	75.2	112.8	150.3	165.0	165.0	
		120.9	165.0	165.0	90.0	135.0	165.0	165.0	165.0	71.7	107.5	143.4	165.0	165.0	
		108.6	162.9	165.0	80.9	121.4	161.8	165.0	165.0	64.4	96.7	128.9	161.1	165.0	
		95.0	142.6	165.0	70.8	106.2	141.6	165.0	165.0	56.4	84.6	112.8	141.0	165.0	
		84.5	126.7	165.0	62.9	94.4	125.8	157.3	165.0	50.1	75.2	100.2	125.3	150.3	
36 37–3/4 42 48	132	121.0	165.0	165.0	90.1	135.2	165.0	165.0	165.0	71.8	107.6	143.5	165.0	165.0	
		115.4	165.0	165.0	85.9	128.9	165.0	165.0	165.0	68.4	102.6	136.9	165.0	165.0	
		103.7	155.5	165.0	77.2	115.8	154.4	165.0	165.0	61.5	92.3	123.0	153.8	165.0	
		90.7	136.1	165.0	67.5	101.4	135.1	165.0	165.0	53.8	80.7	107.6	134.5	161.5	
36 37–3/4 42 48	138	115.7	165.0	165.0	86.1	129.3	165.0	165.0	165.0	68.6	103.0	137.3	165.0	165.0	
		110.3	165.0	165.0	82.2	123.3	164.4	165.0	165.0	65.5	98.2	130.9	163.6	165.0	
		99.2	148.8	165.0	73.8	110.8	147.7	165.0	165.0	58.8	88.2	117.7	147.1	165.0	
		86.8	130.2	165.0	64.6	97.0	129.3	161.6	165.0	51.5	77.2	103.0	128.7	154.4	
36 37–3/4 42 48	144	110.9	165.0	165.0	82.6	123.9	165.0	165.0	165.0	65.8	98.7	131.6	164.4	165.0	
		105.7	158.6	165.0	78.7	118.1	157.5	165.0	165.0	62.7	94.1	125.5	156.8	165.0	
		95.0	142.6	165.0	70.8	106.2	141.6	165.0	165.0	56.4	84.6	112.8	141.0	165.0	
		83.2	124.8	165.0	61.9	92.9	123.9	154.8	165.0	49.3	74.0	98.7	123.3	148.0	

SEE SHEET 13 FOR ANCHOR DESCRIPTION

HEAD ANCHOR CAPACITY CHART

Sealed 7-3-2024

FL #30338





AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)

TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
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revisions:

no	date	by	description

date: 08-15-19

scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

drawing no.

19-75F

sheet **8.1** of **21**

COMP-ANL \ 19-75F-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
		EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
36	96	134.0	165.0	165.0	165.0
37–3/4		127.8	165.0	165.0	165.0
42		114.9	165.0	165.0	165.0
48		100.5	150.8	165.0	165.0
54		89.3	134.0	165.0	165.0
60		80.4	120.6	160.8	165.0
66		73.1	109.6	146.2	165.0
72		67.0	100.5	134.0	165.0
74		65.2	97.8	120.0	120.0
78		61.8	92.8	120.0	120.0
84		57.4	86.1	114.9	120.0
36	102	126.1	165.0	165.0	165.0
37–3/4		120.3	165.0	165.0	165.0
42		108.1	162.2	165.0	165.0
48		94.6	141.9	165.0	165.0
54		84.1	126.1	165.0	165.0
60		75.7	113.5	151.3	165.0
66		68.8	103.2	137.6	165.0
72		63.1	94.6	120.0	120.0
74		61.4	92.0	120.0	120.0
78		58.2	87.3	116.4	120.0
84		54.1	81.1	108.1	120.0
36	108	119.1	165.0	165.0	165.0
37–3/4		113.6	165.0	165.0	165.0
42		102.1	153.1	165.0	165.0
48		89.3	134.0	165.0	165.0
54		79.4	119.1	158.8	165.0
60		71.5	107.2	142.9	165.0
66		65.0	97.5	120.0	120.0
72		59.6	89.3	119.1	120.0
74		57.9	86.9	115.9	120.0
78		55.0	82.5	109.9	120.0
36	114	112.8	165.0	165.0	165.0
37–3/4		107.6	161.4	165.0	165.0
42		96.7	145.1	165.0	165.0
48		84.6	126.9	165.0	165.0
54		75.2	112.8	150.5	165.0
60		67.7	101.6	135.4	165.0
66		61.6	92.3	120.0	120.0
72		56.4	84.6	112.8	120.0
74		54.9	82.3	109.8	120.0
36	119–3/8	107.8	161.6	165.0	165.0
37–3/4		102.8	154.1	165.0	165.0
42		92.4	138.6	165.0	165.0
48		80.8	121.2	161.6	165.0
54		71.8	107.8	143.7	165.0
60		64.7	97.0	120.0	120.0
66		58.8	88.2	117.6	120.0
72		53.9	80.8	107.8	120.0
74		52.4	78.6	104.8	120.0

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
		EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
36	120	107.2	160.8	165.0	165.0
37–3/4		102.2	153.3	165.0	165.0
42		91.9	137.8	165.0	165.0
48		80.4	120.6	160.8	165.0
54		71.5	107.2	142.9	165.0
60		64.3	96.5	120.0	120.0
66		58.5	87.7	116.9	120.0
72		53.6	80.4	107.2	120.0
74		52.2	78.2	104.3	120.0
36	126	102.1	153.1	165.0	165.0
37–3/4		97.4	146.0	165.0	165.0
42		87.5	131.3	165.0	165.0
48		76.6	114.9	153.1	165.0
36	132	97.5	146.2	165.0	165.0
37–3/4		92.9	139.4	165.0	165.0
42		83.5	125.3	165.0	165.0
48		73.1	109.6	146.2	165.0
36	138	93.2	139.8	165.0	165.0
37–3/4		88.9	133.3	165.0	165.0
42		79.9	119.9	159.8	165.0
48		69.9	104.9	139.8	165.0
36	144	89.3	134.0	165.0	165.0
37–3/4		85.2	127.8	165.0	165.0
42		76.6	114.9	153.1	165.0
48		67.0	100.5	134.0	165.0

SEE SHEET 13 FOR ANCHOR
DESCRIPTION

SILL ANCHOR CAPACITY CHART

Sealed 7-3-2024

FL #30338



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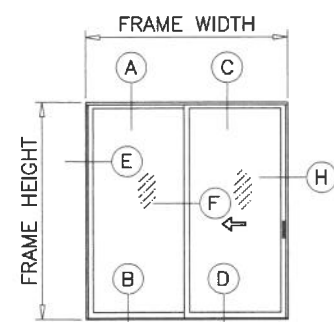
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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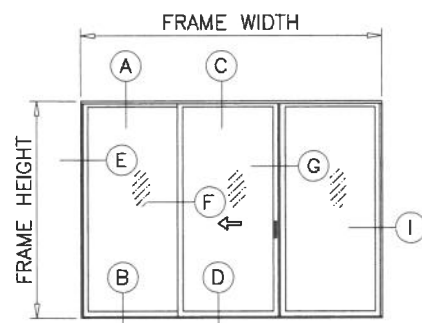
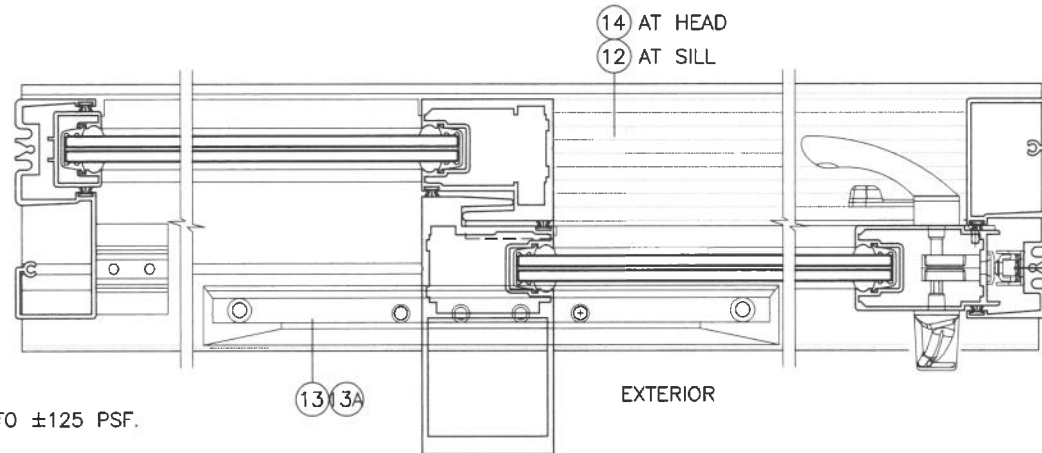
SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)

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3550 N.W. 49 STREET
MIAMI, FL. 33142
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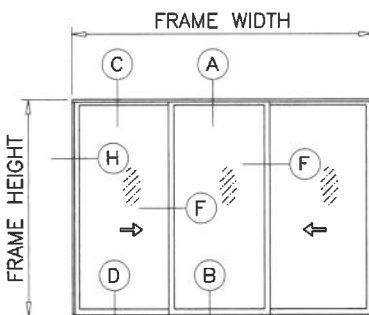
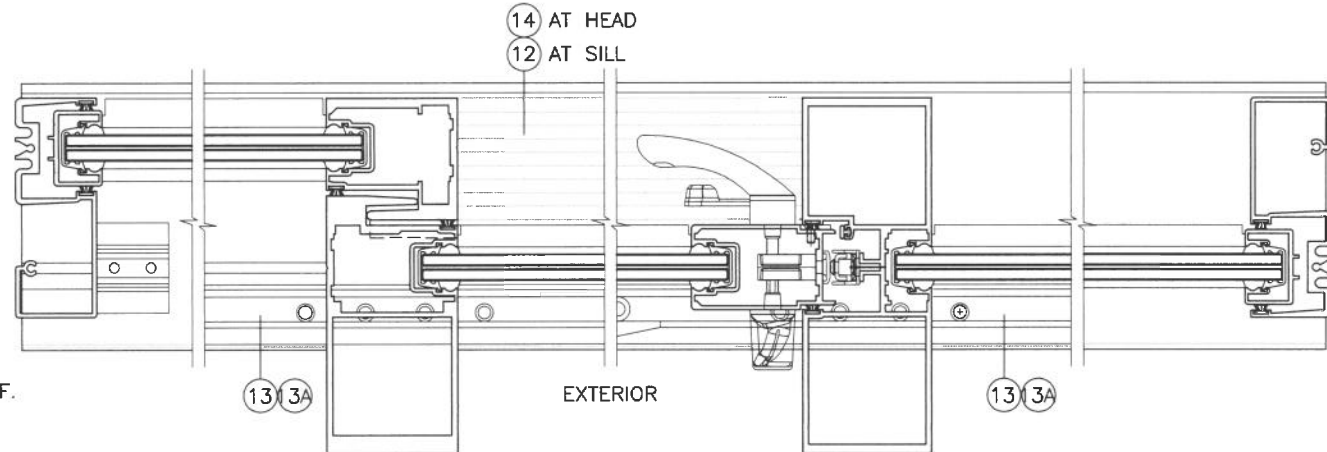
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				chk. by:
drawing	no.			
19-75F				
sheet 9 of 21				



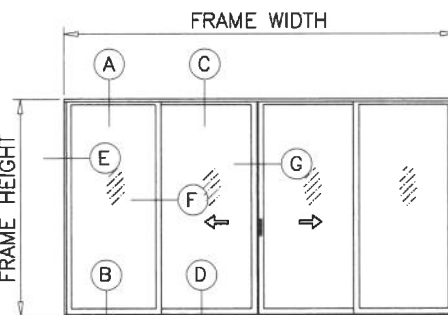
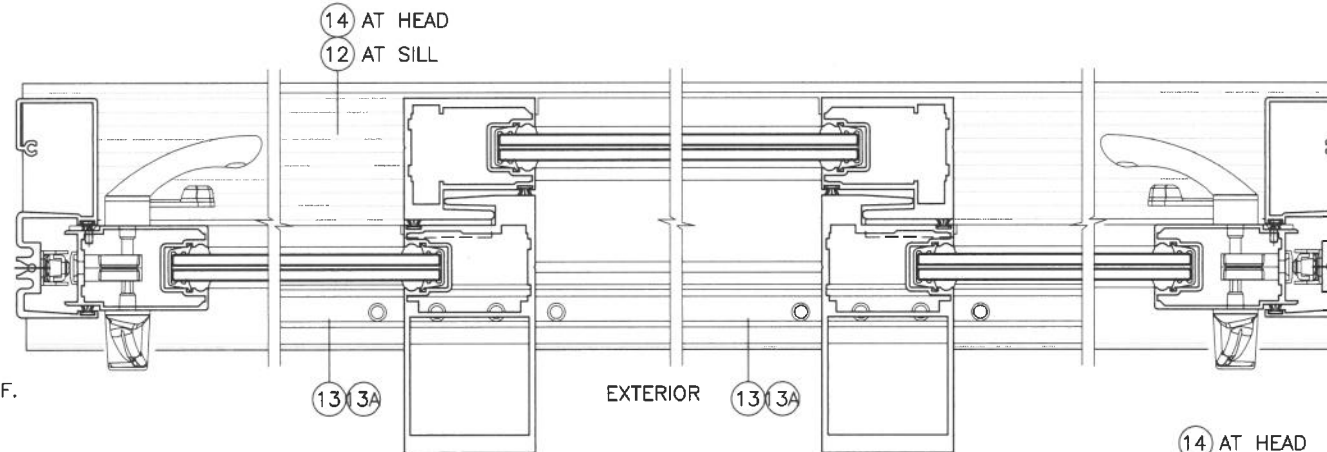
OX (SHOWN)
XO
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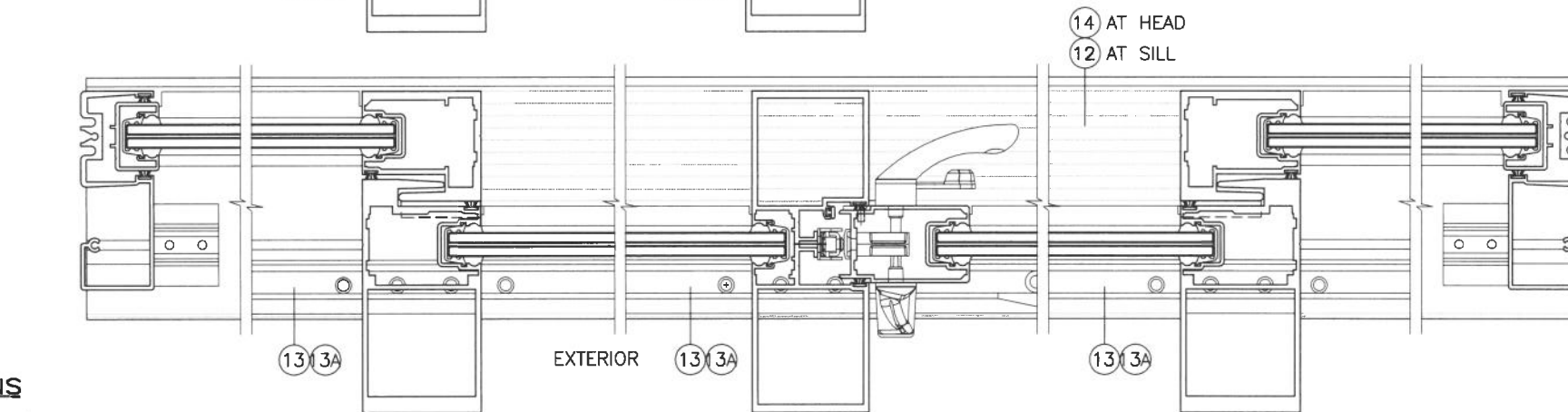
OXO
 LIMIT MAX. DESIGN LOADS TO ± 125 PSF.



XOX (SHOWN)
 LIMIT MAX. DESIGN LOADS TO ± 125 PSF.



OXXO



NOTE:
 CONFIGURATIONS SHOWN FOR ILLUSTRATION ONLY.
 SEE ANCHORS INSTALLATION DETAILS ON SHEETS 11 THRU 16.
 FOR FREE STANDING JAMBS DETAILS SEE SHEET 17.

APPROVED CONFIGURATIONS
 SEE APPLICABLE ELEVATIONS AND MAX. SIZE
 SHEET 3 (ANCHORED JAMB UNIT)
 SHEET 5 (FREE JAMB UNIT)

Sealed 7-3-2024

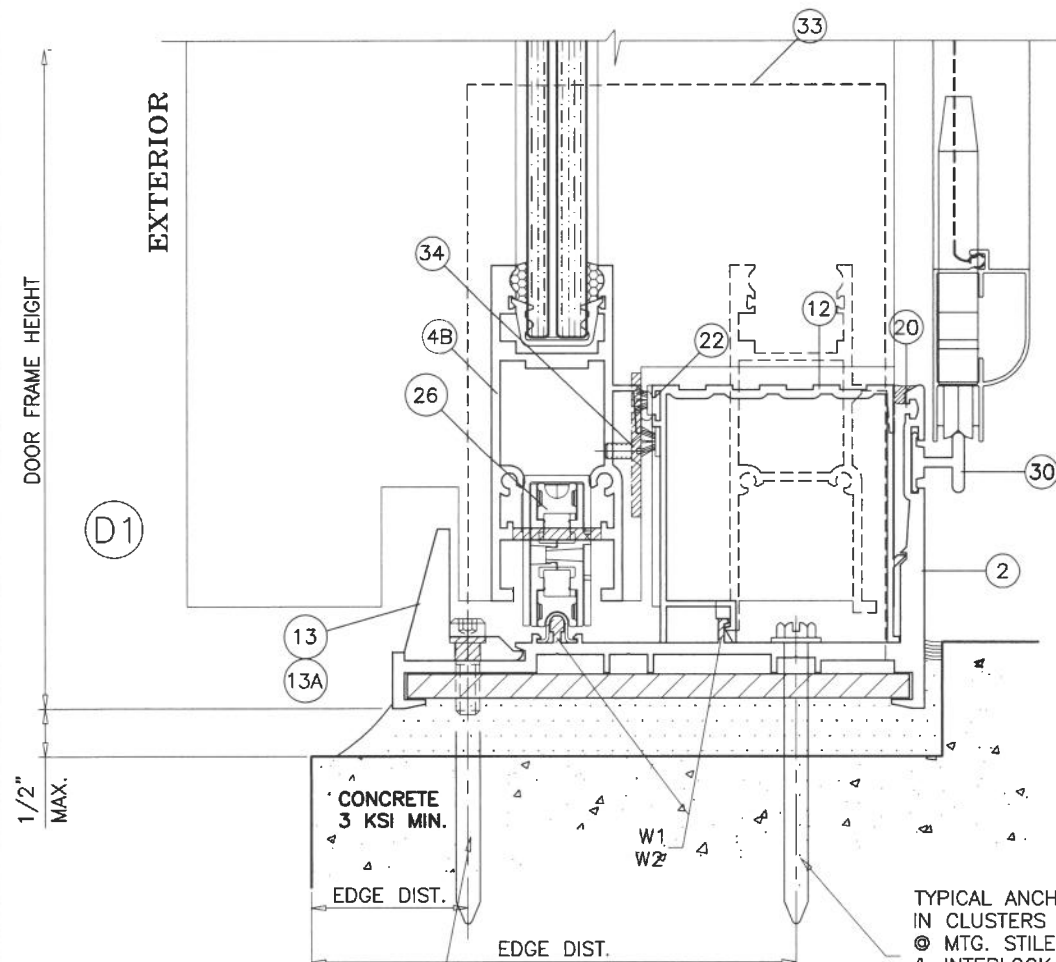
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 COMP-ANL 19-75F-TGL

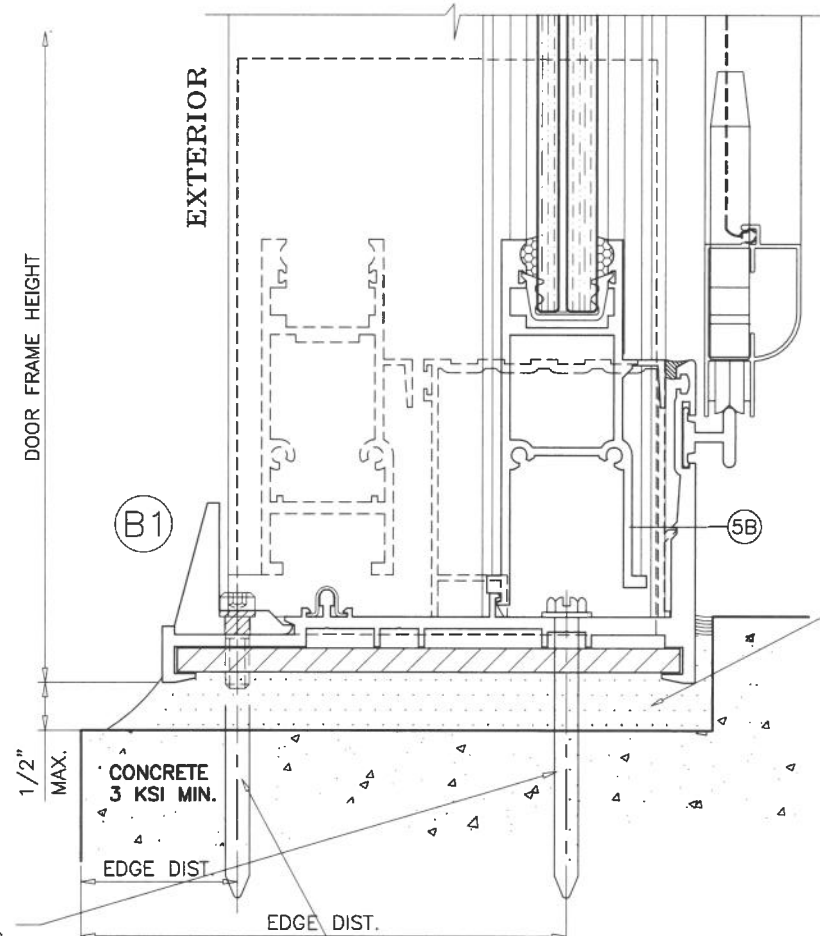
SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)
TECNOGLASS, LLC
 3550 N.W. 49 STREET
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revisions:		no date by description	
date:	08-15-19	scale:	1/2" = 1"
dr. by:	TARIQ	chk. by:	
drawing no.		19-75F	
sheet 10 of 21			



TYPICAL ANCHORS
(2) PER CLIP IN END HOLES
FOR 12" CLIP ONLY
(SEE SHEET 9 FOR CAPACITY)

TYPICAL ANCHORS
IN CLUSTERS
⊙ MTG. STILE
& INTERLOCK ENDS
SEE SILL ANCHOR SCH.
AT SHEET 9 FOR CAPACITY



TYPICAL ANCHORS
(2) PER CLIP IN END HOLES
FOR 12" CLIP ONLY
(SEE SHEET 9 FOR CAPACITY)

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

Sealed 7-3-2024

FL #30338



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

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chk. by:

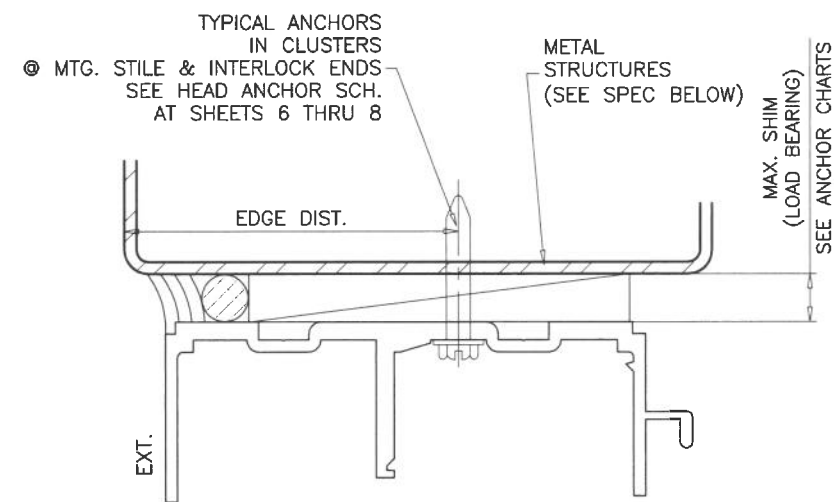
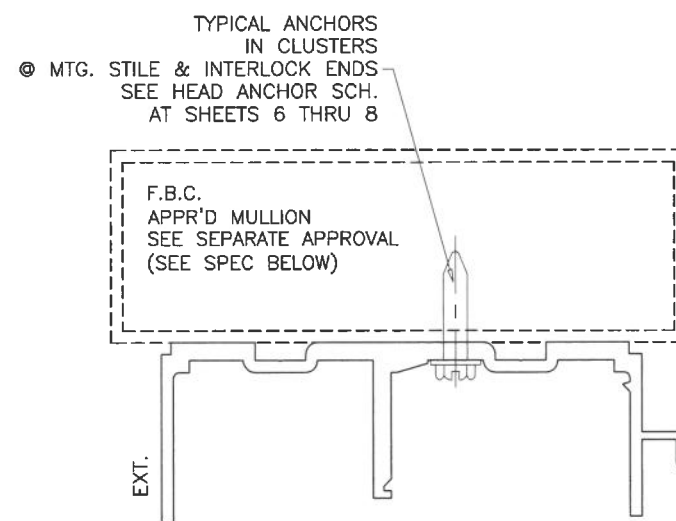
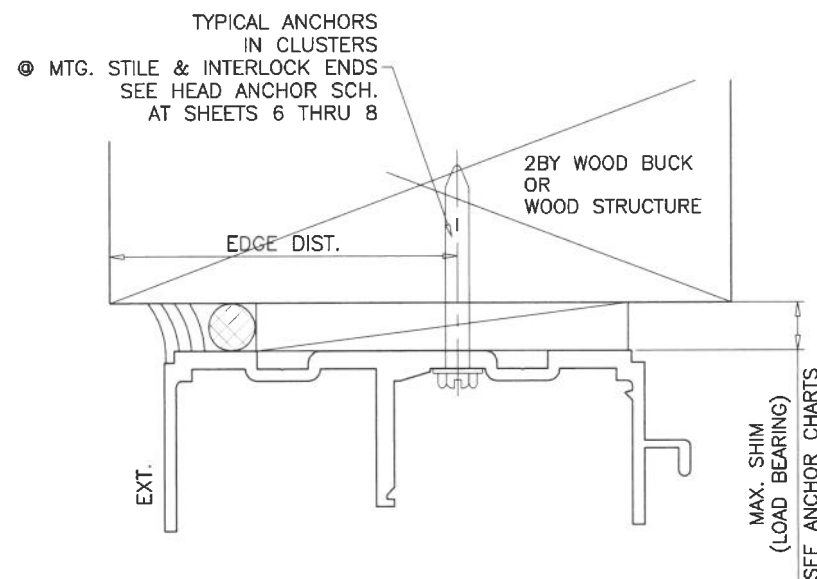
drawing no.

19-75F

sheet 12 of 21

AL-FAROOQ CORPORATION
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(C.A.N. 3538)

COMP-ANL\19-75F-TGL



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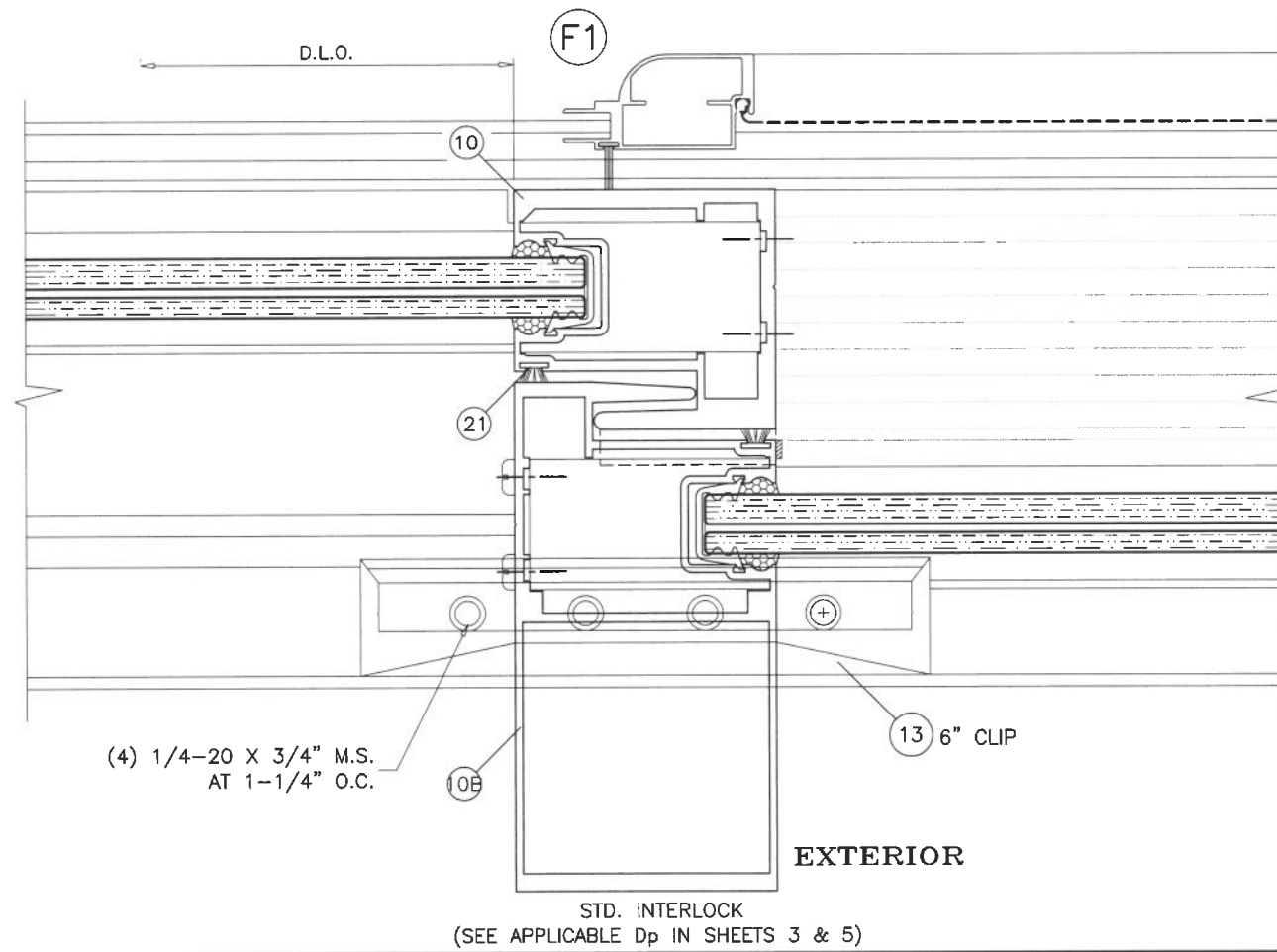
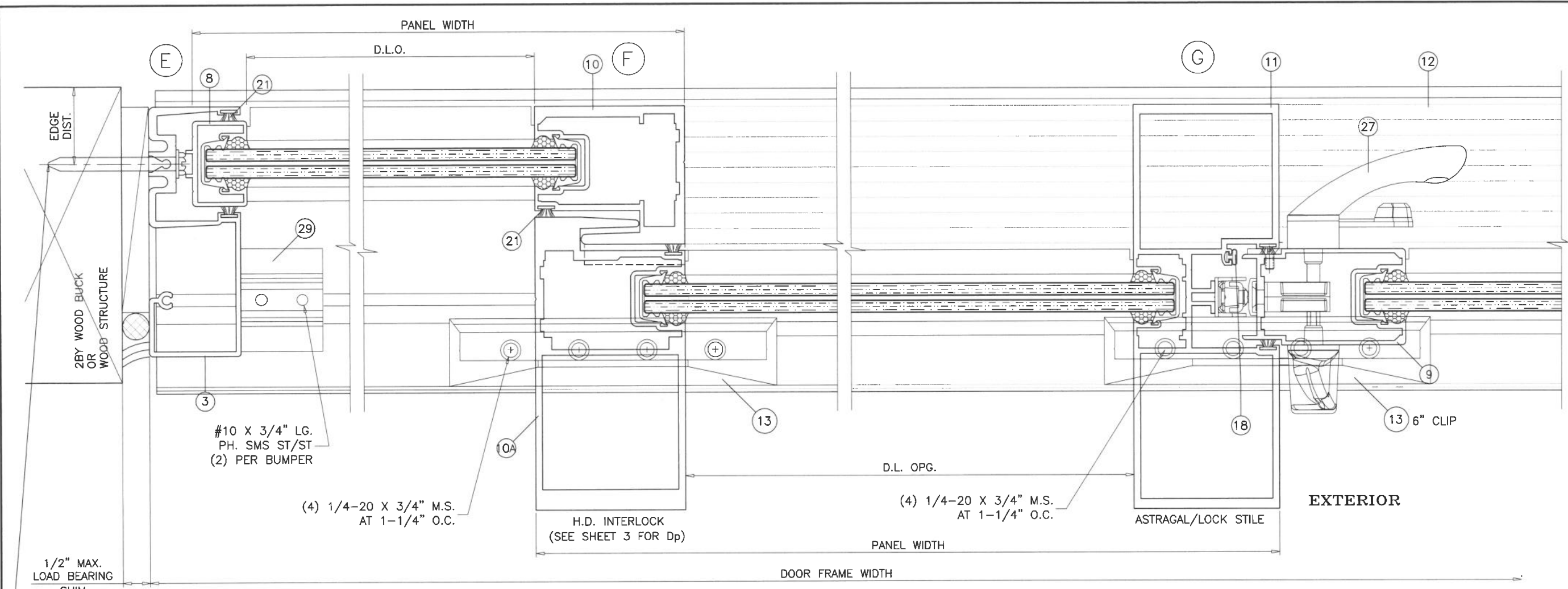
SERIES-DM12 ALUM SLD. GLASS DOOR (L.M.I.)

TECNOGLASS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
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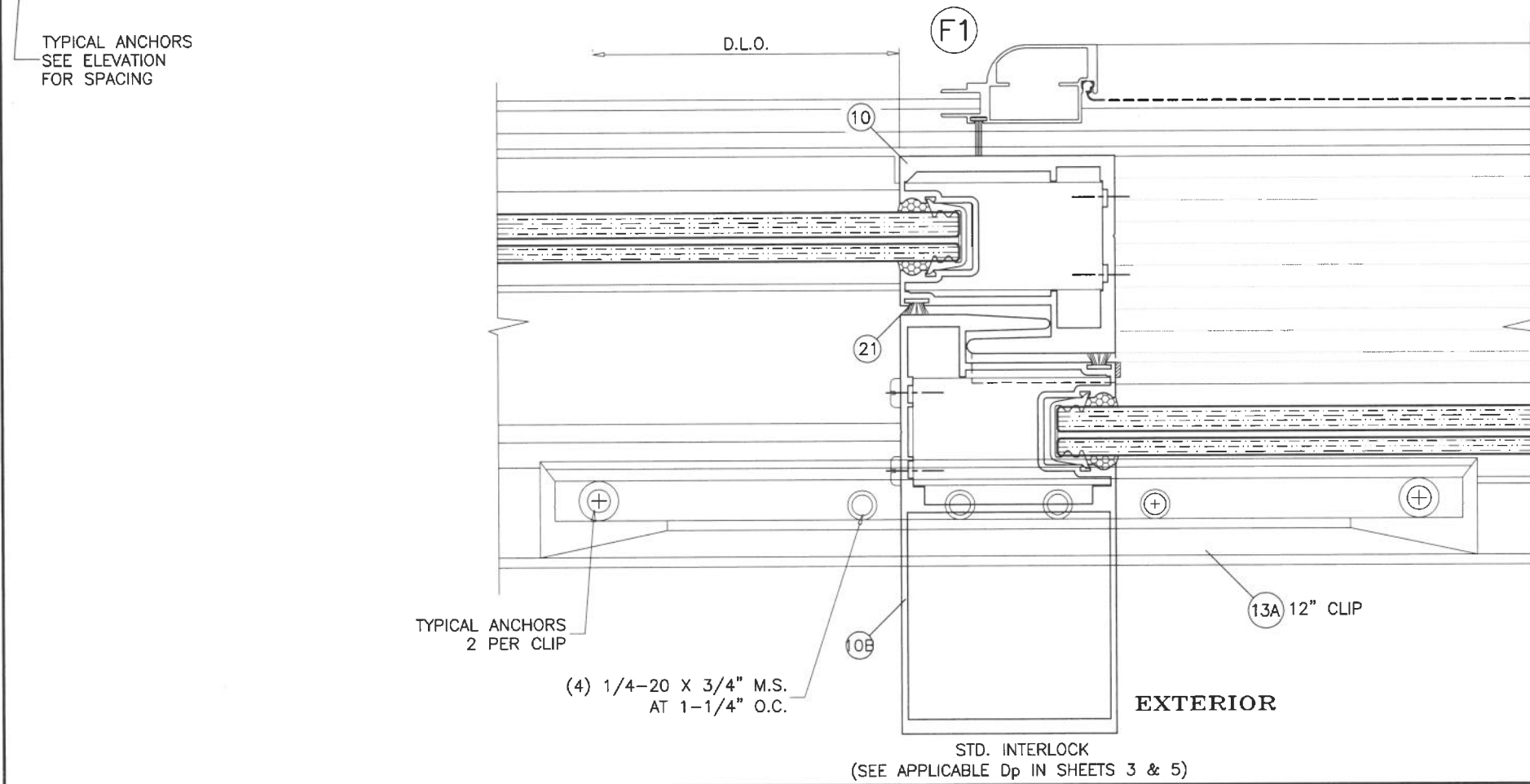
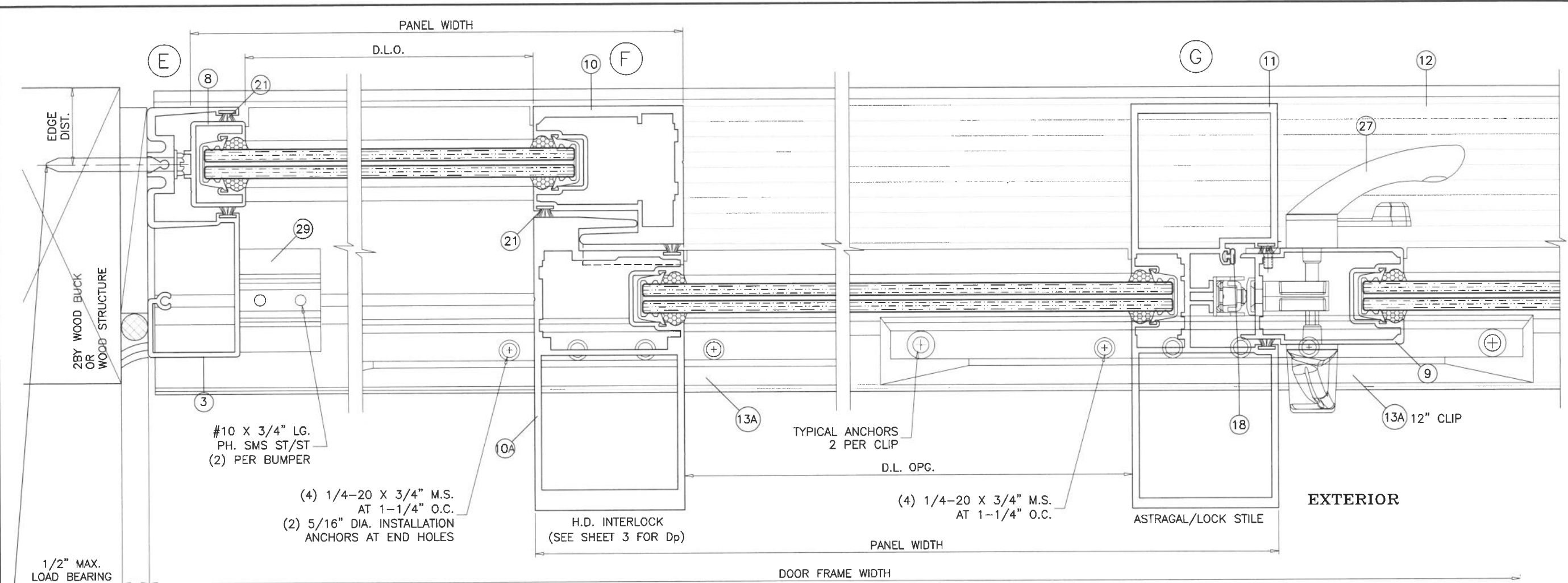
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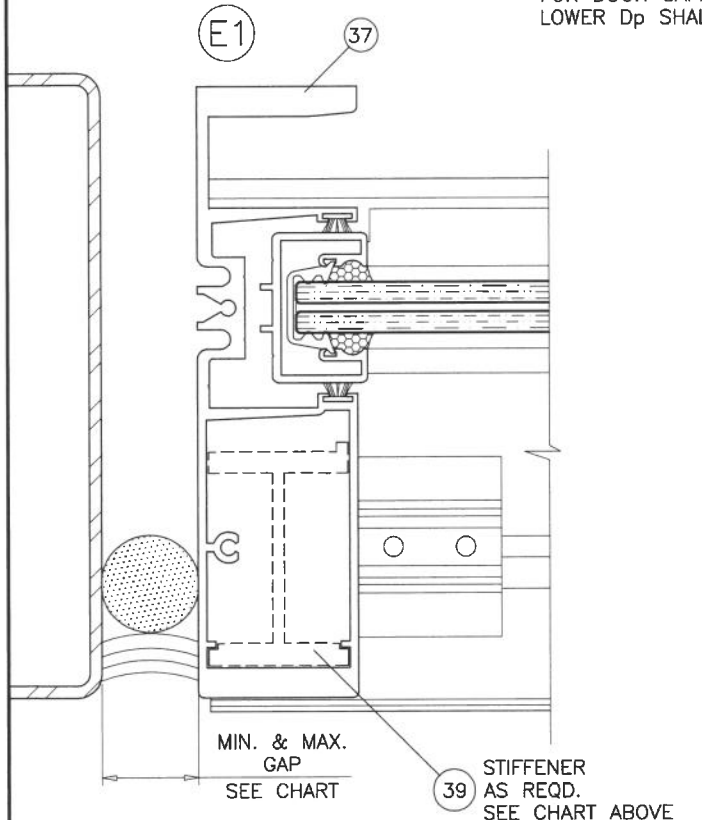
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19-75F

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FREE STANDING JAMB CAPACITY			
MAX. PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	WITHOUT STIFFENER	WITH STIFFENER
		EXT.(+)/INT.(-)	EXT.(+)/INT.(-)
74	102	120.0	120.0
78		113.8	113.8
84		105.7	105.7
74	108	120.0	120.0
78		113.8	113.8
74	120	120.0	120.0
54	126	111.1	111.1
48	138	125.0	125.0
44	144	125.0	125.0
48		117.7	124.3

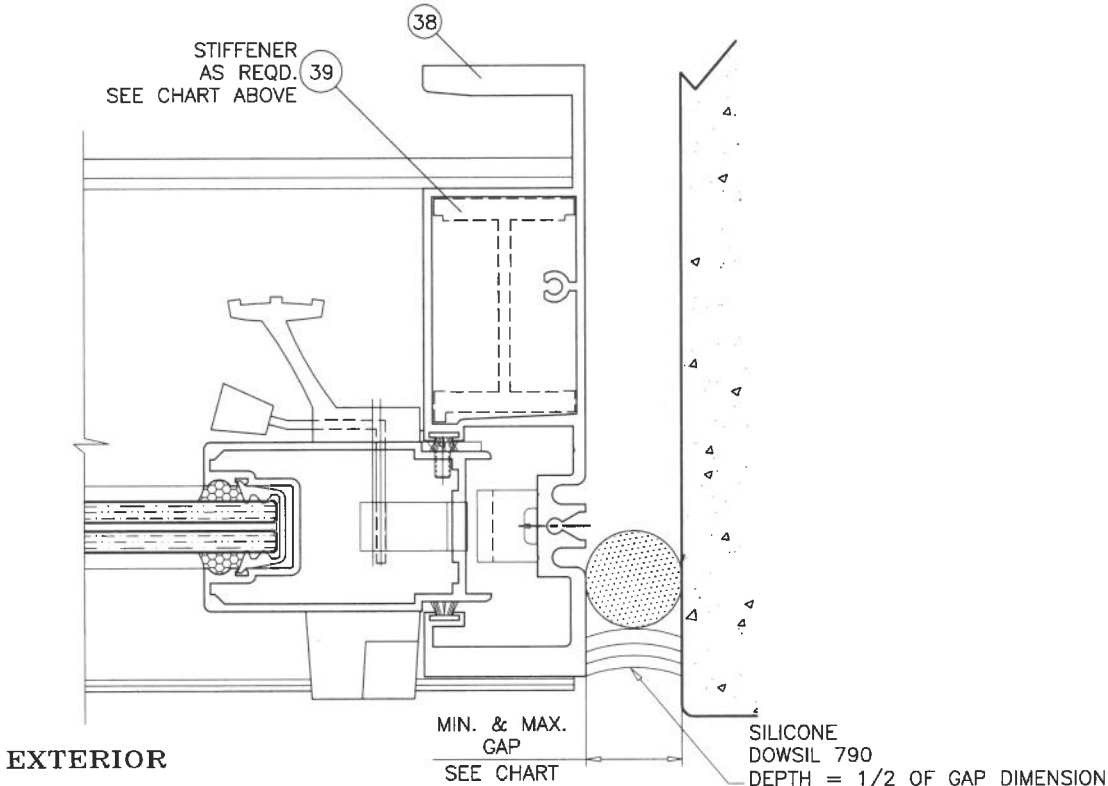
FOR DOOR CAPACITY SEE CHART ON SHEET 5
LOWER Dp SHALL CONTROL



Ix	IN^4	Sx	IN^3
	.7320		.6095

FREE STANDING JAMB
FIXED SIDE

Ix	IN^4	Sx	IN^3
	13.025		4.031



FREE STANDING JAMB
OPERABLE SIDE

Ix	IN^4	Sx	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"

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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-062	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	6005-T5	-
13A	2400ST-011	-	SILL TRACK ANCHOR CLIP, 12" LONG	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	AS REQD.	SILL TRACK PLATE (5-1/4" X 1/4" X 10" LONG)	6063-T6	AT INTERLOCK/ASTRAGAL STILES
17	#10 X 1/2"	-	WEATHERSTRIP FASTENERS	ST/ST	-
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.
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.

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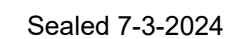
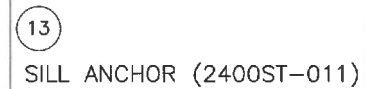
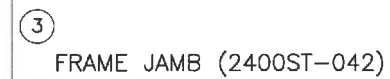
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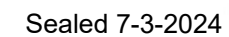
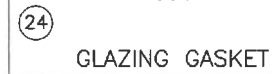
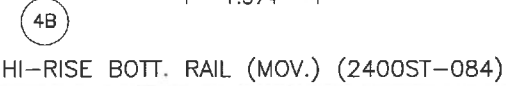
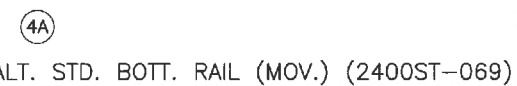
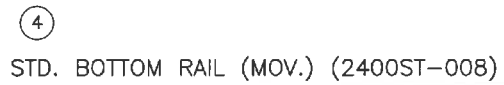
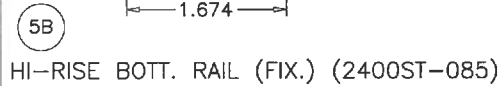
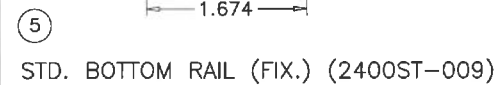
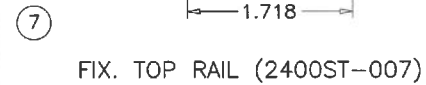
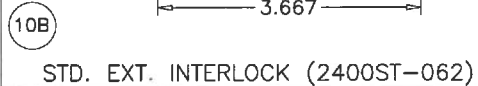
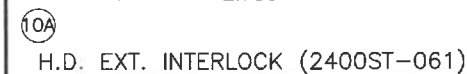
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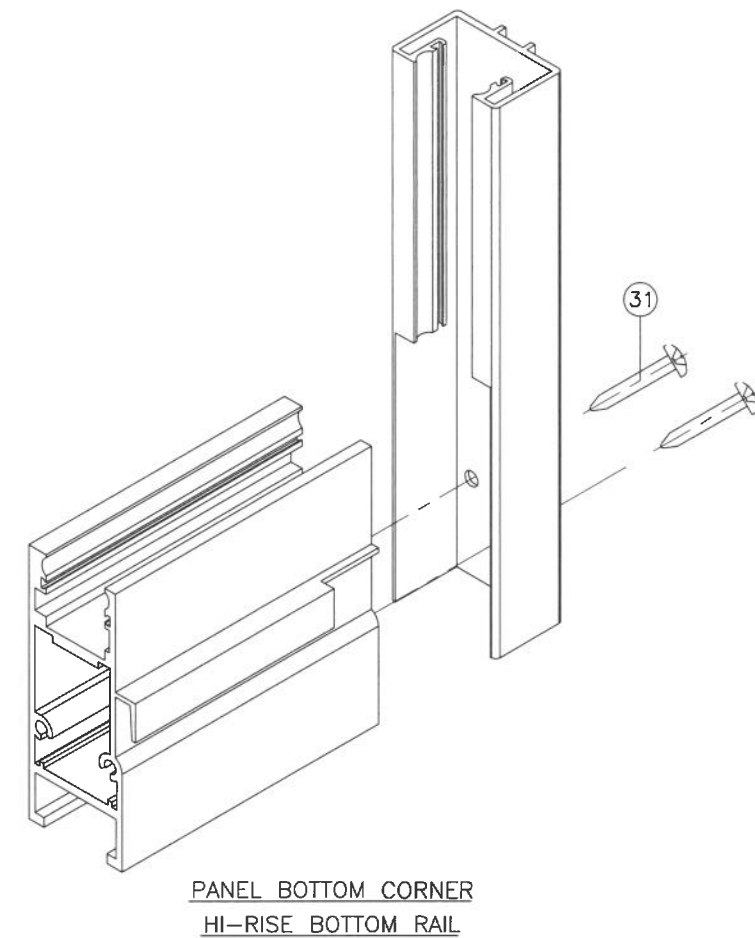
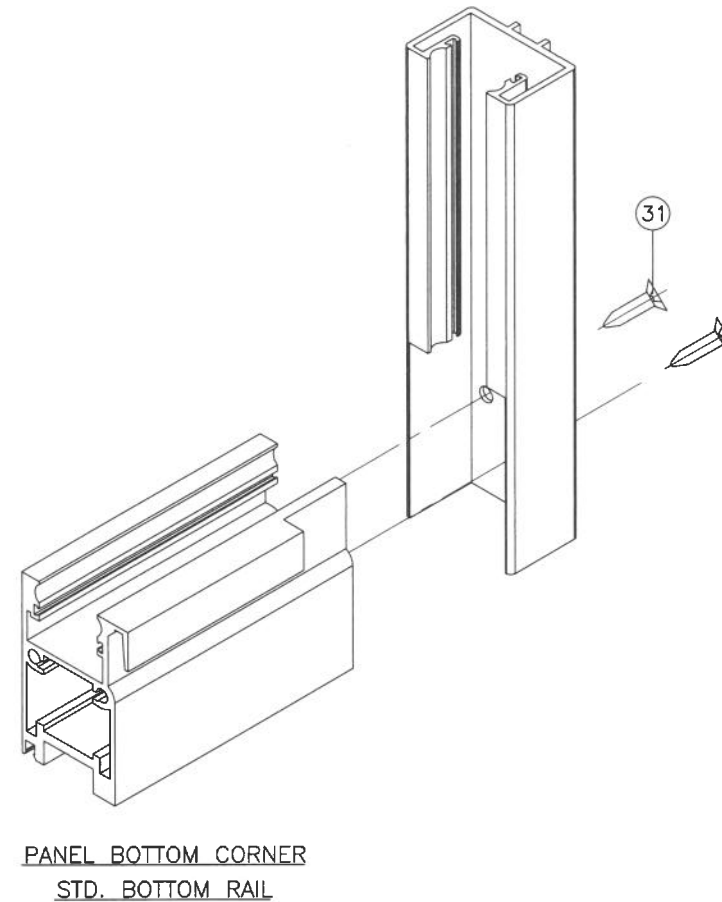
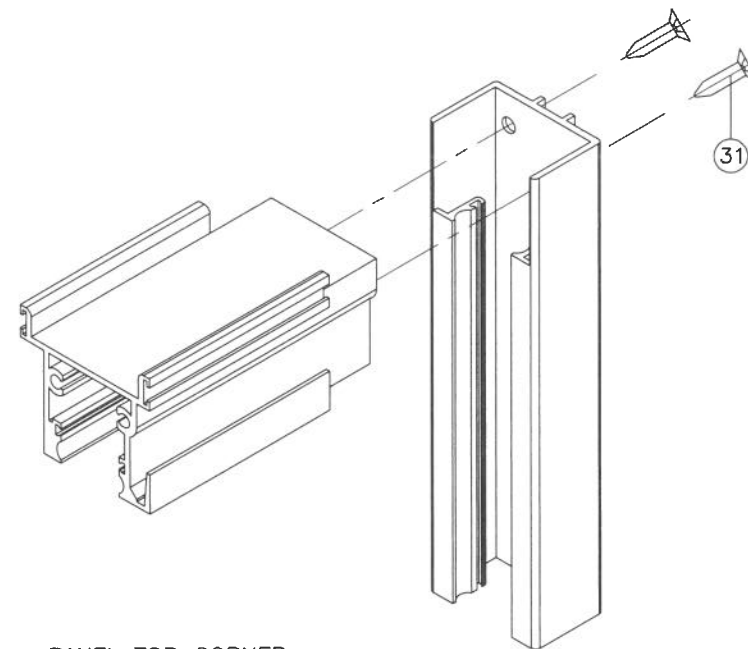
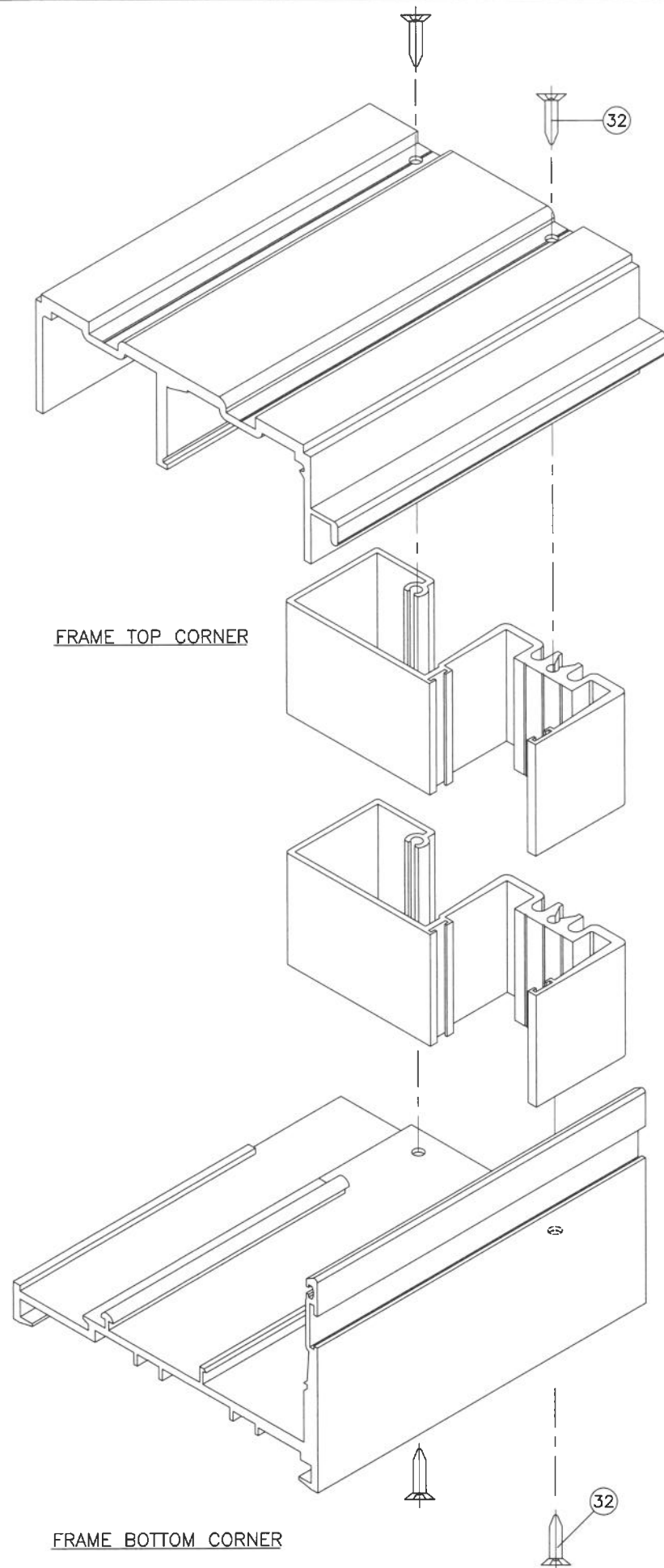
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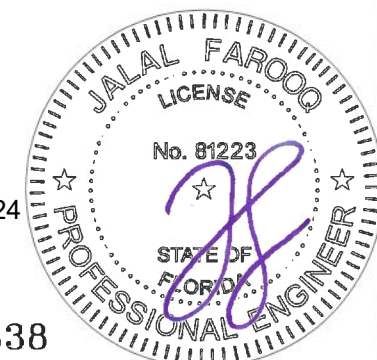
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