

SERIES-2400ST ALUMINUM SLIDING GLASS DOOR

SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.

USING CHARTS ON SHEET 3 SELECT ANCHOR OPTION (1/4" MAX. SHIM) WITH DESIGN RATING MORE THAN DESIGN LOADS REQUIRED.

LOWER DESIGN PRESSURES FROM GLASS OR ANCHOR CHARTS (HEAD & SILL) WILL APPLY TO ENTIRE SYSTEM, WHEN SHIM AT JAMBS EXCEED 1/4", LOWER Dp FROM GLASS, ANCHOR CHART (HEAD/SILL ON SHEET 3) OR JAMB CHART (SHEET 6) SHALL CONTROL FOR ENTIRE ASSEMBLY SYSTEM.

DOORS MUST COMPLY WITH EGRESS REQUIREMENTS AS APPLICABLE PER FBC.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/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 2020/2023 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)'.

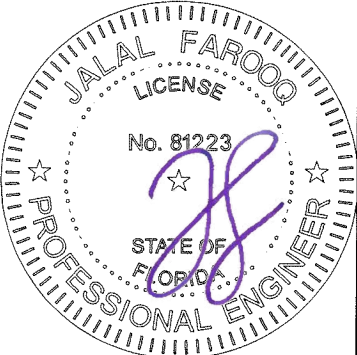
MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

DOORS WITH GLASS TYPE 'B' COMPLIES WITH REQUIREMENTS OF ANSI Z97.1. SAFEGUARD REQUIREMENTS TO BE VERIFIED.

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.

Sealed: 8/1/2023 FL #27914

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.



af c

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-2400ST 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	12.18.20		UPDATED TO 2020 FBC
B	05.05.22		GLAZING OPTION ADDED
C	07.31.23		UPDATED TO 2023 FBC

date: 08-18-18

scale: 1/2"=1'-0"

dr. by: TARIQ

chk. by:

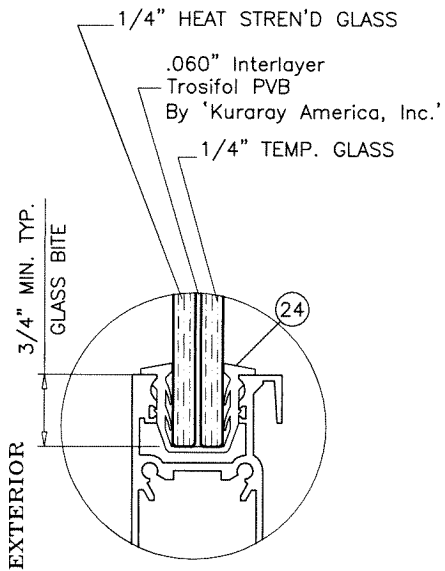
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18-81F

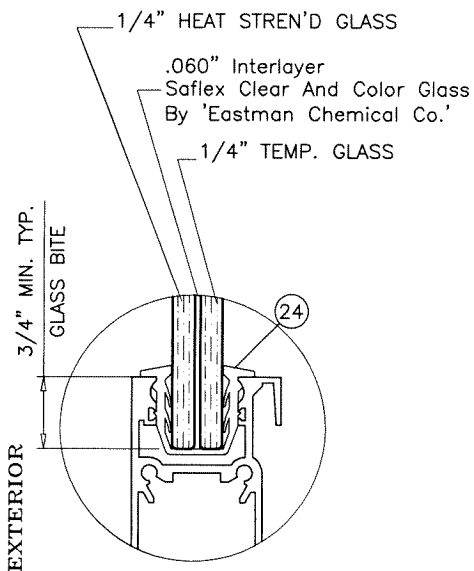
sheet 1 of 10

DESIGN LOAD CAPACITY - PSF									
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPE 'A'		GLASS TYPE 'A1'		GLASS TYPE 'B'		GLASS TYPE 'C'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	96	131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
36		131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
42		131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
48		-	-	131.0	131.0	120.0	122.5	131.0	131.0
54		-	-	117.8	117.8	106.7	108.9	117.8	117.8
60		-	-	106.0	106.0	96.0	96.0	106.0	106.0
30	102	131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
36		131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
42		131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
48		-	-	131.0	131.0	120.0	122.5	131.0	131.0
54		-	-	117.8	117.8	106.7	108.9	117.8	117.8
60		-	-	-	-	96.0	96.0	97.1	97.1
30	103-3/8	131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
36		131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
42		131.0	142.0	131.0	131.0	120.0	140.0	131.0	131.0
44		131.0	142.0	131.0	131.0	120.0	133.6	131.0	131.0
48		-	-	-	-	120.0	122.5	-	-
30	108	-	-	131.0	131.0	120.0	140.0	131.0	131.0
36		-	-	131.0	131.0	120.0	140.0	131.0	131.0
42		-	-	131.0	131.0	120.0	140.0	131.0	131.0
48		-	-	131.0	131.0	120.0	122.5	131.0	131.0
54		-	-	-	-	106.7	106.7	107.9	107.9
30	114	-	-	131.0	131.0	120.0	140.0	131.0	131.0
36		-	-	131.0	131.0	120.0	140.0	131.0	131.0
42		-	-	131.0	131.0	120.0	140.0	131.0	131.0
48		-	-	131.0	131.0	120.0	122.5	131.0	131.0
54		-	-	-	-	106.7	106.7	107.9	107.9
30	119-1/2	-	-	131.0	131.0	120.0	140.0	131.0	131.0
36		-	-	131.0	131.0	120.0	140.0	131.0	131.0
42		-	-	131.0	131.0	120.0	140.0	131.0	131.0
48		-	-	131.0	131.0	120.0	120.0	131.0	131.0
54		-	-	-	-	-	-	-	-
30	120	-	-	-	-	120.0	140.0	131.0	131.0
36		-	-	-	-	120.0	140.0	131.0	131.0
42		-	-	-	-	120.0	140.0	131.0	131.0
48		-	-	-	-	120.0	120.0	131.0	131.0
54		-	-	-	-	-	-	-	-
30	126	-	-	-	-	120.0	140.0	120.0	120.0
36		-	-	-	-	120.0	140.0	120.0	120.0
42		-	-	-	-	120.0	140.0	120.0	120.0
48		-	-	-	-	120.0	120.0	120.0	120.0
54		-	-	-	-	-	-	-	-
30	132	-	-	-	-	120.0	140.0	120.0	120.0
36		-	-	-	-	120.0	140.0	120.0	120.0
42		-	-	-	-	120.0	140.0	120.0	120.0
48		-	-	-	-	120.0	120.0	120.0	120.0
54		-	-	-	-	-	-	-	-

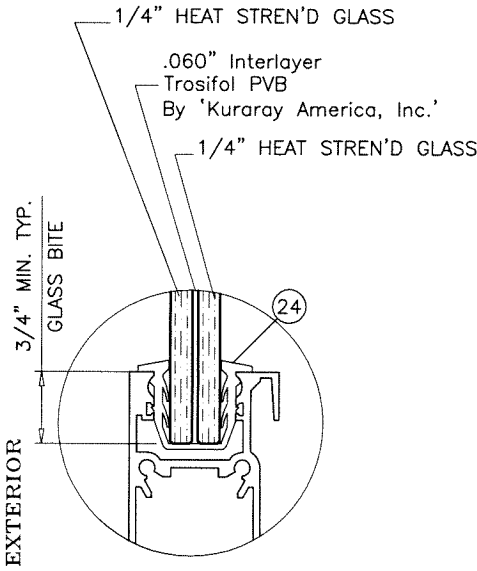
NOTE:
FOR DOORS WITH FREE STANDING JAMBS (UNANCHORED JAMBS)
LIMIT MAX. LOADS AS FOLLOWS
PANEL AREA 40.0 SQ. FT. MAX. = ±131.0 PSF
PANEL AREA 38.5 SQ. FT. MAX. = +120.0 & -140.0 PSF



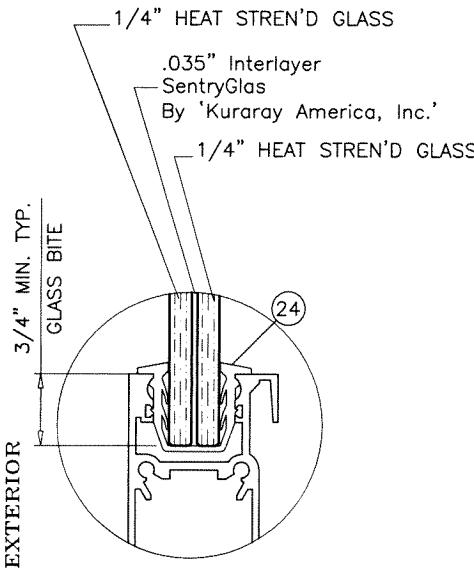
GLASS TYPE 'A'



GLASS TYPE 'A1'

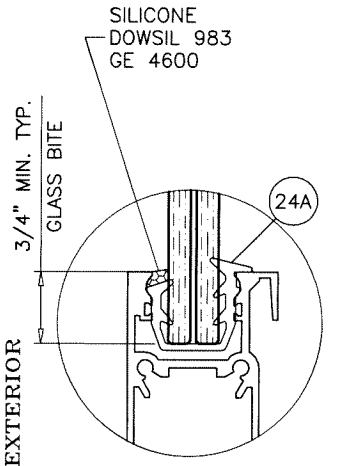


GLASS TYPE 'B'



GLASS TYPE 'C'

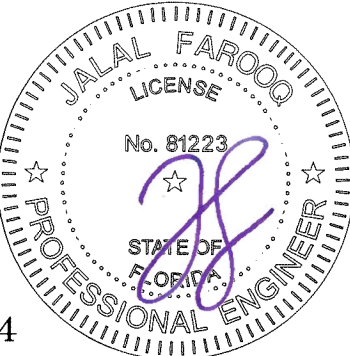
GLAZING OPTIONS



ALT. GLAZING GASKET
GLASS TYPES 'A', 'A1', 'B' & 'C'

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

Sealed: 8/1/2023



FL #27914

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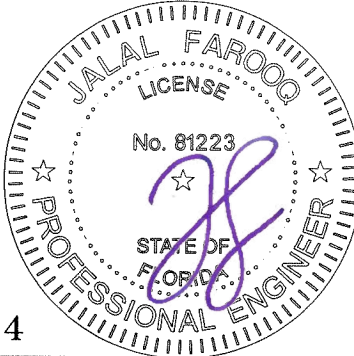
DESIGN LOAD CAPACITY - PSF (HEAD ANCHORS)											
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'A'				ANCHORS TYPE 'B'			ANCHORS TYPE 'C'		
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 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	4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 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. (-)
30	96	115.6	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0
36		96.3	142.0	142.0	142.0	122.3	142.0	142.0	130.3	142.0	142.0
42		82.6	123.9	142.0	142.0	104.9	142.0	142.0	111.7	142.0	142.0
48		72.3	108.4	142.0	142.0	91.8	137.6	142.0	97.8	142.0	142.0
54		64.2	96.3	128.4	142.0	81.6	122.3	142.0	86.9	130.3	142.0
60		57.8	86.7	115.6	142.0	73.4	110.1	142.0	78.2	117.3	142.0
30	102	108.8	142.0	142.0	142.0	138.2	142.0	142.0	142.0	142.0	142.0
36		90.7	136.0	142.0	142.0	115.1	142.0	142.0	122.7	142.0	142.0
42		77.7	116.6	142.0	142.0	98.7	142.0	142.0	105.1	142.0	142.0
48		68.0	102.0	136.0	142.0	86.4	129.5	142.0	92.0	138.0	142.0
54		60.4	90.7	120.9	142.0	76.8	115.1	142.0	81.8	122.7	142.0
60		54.4	81.6	108.8	136.0	69.1	103.6	138.2	73.6	110.4	142.0
30	103-3/8	107.4	142.0	142.0	142.0	136.3	142.0	142.0	142.0	142.0	142.0
36		89.5	134.2	142.0	142.0	113.6	142.0	142.0	121.0	142.0	142.0
42		76.7	115.0	142.0	142.0	97.4	142.0	142.0	103.7	142.0	142.0
44		73.2	109.8	142.0	142.0	93.0	139.4	142.0	99.0	142.0	142.0
48		67.1	100.6	134.2	142.0	85.2	127.8	142.0	90.8	136.2	142.0
30	108"	102.8	142.0	142.0	142.0	130.5	142.0	142.0	139.0	142.0	142.0
36		85.6	128.4	142.0	142.0	108.7	142.0	142.0	115.9	142.0	142.0
42		73.4	110.1	142.0	142.0	93.2	139.8	142.0	99.3	142.0	142.0
48		64.2	96.3	128.4	142.0	81.6	122.3	142.0	86.9	130.3	142.0
54		57.1	85.6	114.2	142.0	72.5	108.7	142.0	77.2	115.9	142.0
30	114	97.3	142.0	142.0	142.0	123.6	142.0	142.0	131.7	142.0	142.0
36		81.1	121.7	142.0	142.0	103.0	142.0	142.0	109.8	142.0	142.0
42		69.5	104.3	139.1	142.0	88.3	132.5	142.0	94.1	141.1	142.0
48		60.8	91.3	121.7	142.0	77.3	115.9	142.0	82.3	123.5	142.0
54		54.1	81.1	108.2	135.2	68.7	103.0	137.4	73.2	109.8	142.0
30	119-1/2	92.9	139.3	142.0	142.0	117.9	142.0	142.0	125.6	142.0	142.0
36		77.4	116.1	142.0	142.0	98.3	142.0	142.0	104.7	142.0	142.0
42		66.3	99.5	132.7	142.0	84.2	126.4	142.0	89.7	134.6	142.0
48		58.0	87.1	116.1	142.0	73.7	110.6	142.0	78.5	117.8	142.0
30	120	92.5	138.7	142.0	142.0	117.4	142.0	142.0	125.1	142.0	142.0
36		77.1	115.6	142.0	142.0	97.9	142.0	142.0	104.3	142.0	142.0
42		66.1	99.1	132.1	142.0	83.9	125.8	142.0	89.4	134.1	142.0
48		57.8	86.7	115.6	142.0	73.4	110.1	142.0	78.2	117.3	142.0
30	126	88.1	132.1	142.0	142.0	111.8	142.0	142.0	119.2	142.0	142.0
36		73.4	110.1	142.0	142.0	93.2	139.8	142.0	99.3	142.0	142.0
42		62.9	94.4	125.8	142.0	79.9	119.8	142.0	85.1	127.7	142.0
48		55.0	82.6	110.1	137.6	69.9	104.9	139.8	74.5	111.7	142.0
30	132	84.1	126.1	142.0	142.0	106.8	142.0	142.0	113.7	142.0	142.0
36		70.1	105.1	140.1	142.0	89.0	133.5	142.0	94.8	142.0	142.0
42		60.1	90.1	120.1	142.0	76.3	114.4	142.0	81.2	121.9	142.0
48		52.5	78.8	105.1	131.4	66.7	100.1	133.5	71.1	106.6	142.0

NOTE:
SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
USE CHART ON THIS SHEET TO DETERMINE HEAD OR SILL ANCHOR CAPACITIES.
LOWER DESIGN PRESSURES FROM GLASS, HEAD OR SILL ANCHOR CHARTS WILL APPLY
TO ENTIRE SYSTEM WITH 1/4" MAX. SHIM (HEAD/SILL/JAMB),
WHEN SHIM AT JAMB EXCEED 1/4" THE JAMB CHART (SHEET 6) SHALL CONTROL FOR
THE ENTIRE ASSEMBLY.
SEE SHEET 5.1 FOR ANCHOR DESCRIPTION

DESIGN LOAD CAPACITY - PSF (SILL ANCHORS)					
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'D'			
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	
		4 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	8 ANCHORS AT MTG. STILE ENDS	
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	
30	96	142.0	142.0	142.0	
36		122.3	142.0	142.0	
42		104.9	142.0	142.0	
48		91.8	137.6	142.0	
54		81.6	122.3	142.0	
60		73.4	110.1	142.0	
30	102	138.2	142.0	142.0	
36		115.1	142.0	142.0	
42		98.7	142.0	142.0	
48		86.4	129.5	142.0	
54		76.8	115.1	142.0	
60		69.1	103.6	138.2	
30	103-3/8	136.3	142.0	142.0	
36		113.6	142.0	142.0	
42		97.4	142.0	142.0	
44		93.0	139.4	142.0	
48		85.2	127.8	142.0	
30	108"	130.5	142.0	142.0	
36		108.7	142.0	142.0	
42		93.2	139.8	142.0	
48		81.6	122.3	142.0	
54		72.5	108.7	142.0	
30	114	123.6	142.0	142.0	
36		103.0	142.0	142.0	
42		88.3	132.5	142.0	
48		77.3	115.9	142.0	
54		68.7	103.0	137.4	
30	119-1/2	117.9	142.0	142.0	
36		98.3	142.0	142.0	
42		84.2	126.4	142.0	
48		73.7	110.6	142.0	
30	120	117.4	142.0	142.0	
36		97.9	142.0	142.0	
42		83.9	125.8	142.0	
48		73.4	110.1	142.0	
30	126	111.8	142.0	142.0	
36		93.2	139.8	142.0	
42		79.9	119.8	142.0	
48		69.9	104.9	139.8	
30	132	106.8	142.0	142.0	
36		89.0	133.5	142.0	
42		76.3	114.4	142.0	
48		66.7	100.1	133.5	

NOTE:
1. ANCHOR CAPACITY BASED ON MAX. 1/4" SHIMS
AT HEAD/SILL AND JAMBS.
2. FREE STANDING JAMB (W/O SIDE JAMB ANCHORS)
SEE SHEET 2 FOR LIMITATIONS.

Sealed: 8/1/2023



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ENGINEERS & PRODUCT DEVELOPMENT
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revisions:

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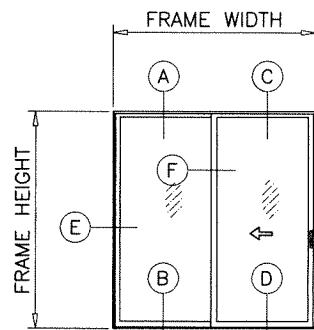
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drawing no.

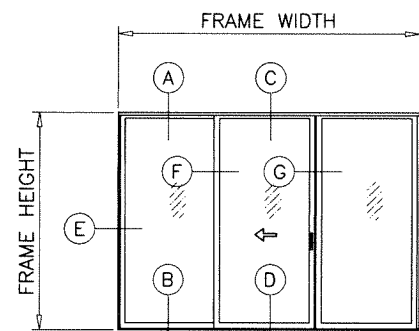
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sheet 3 of 10

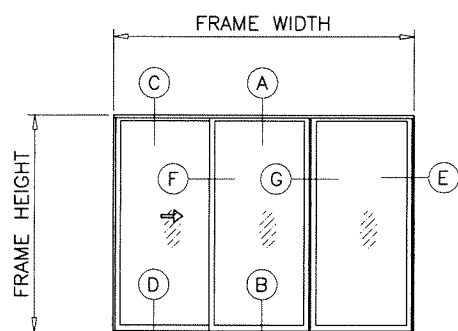
COMP-ANL\18-81F-TG



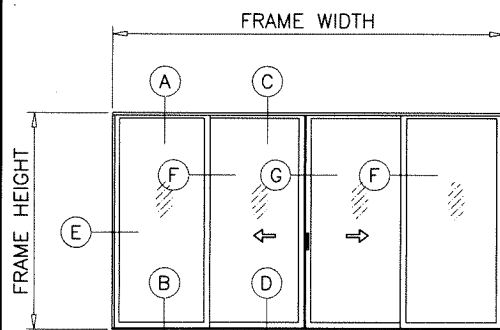
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XO



OXO

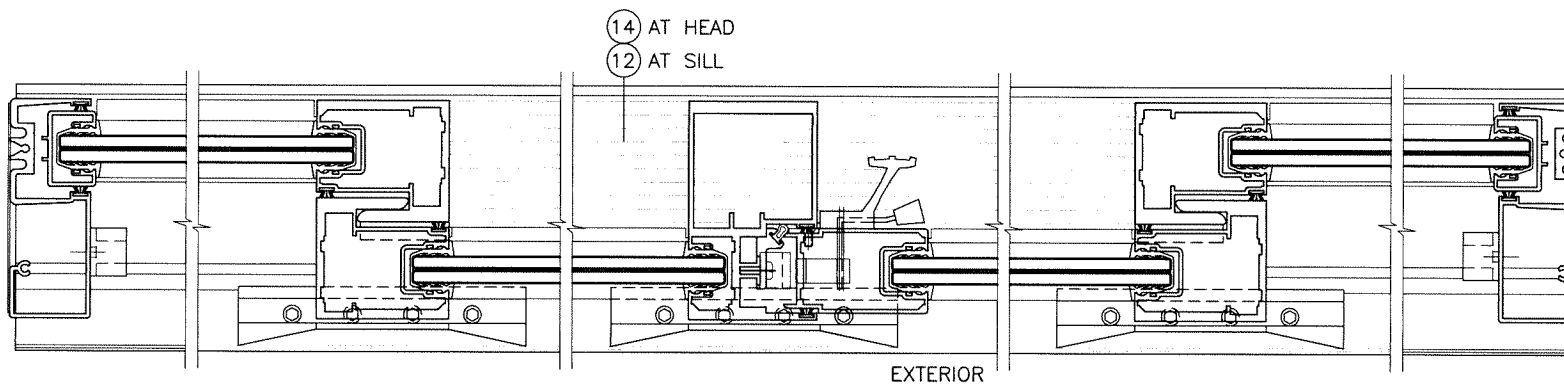
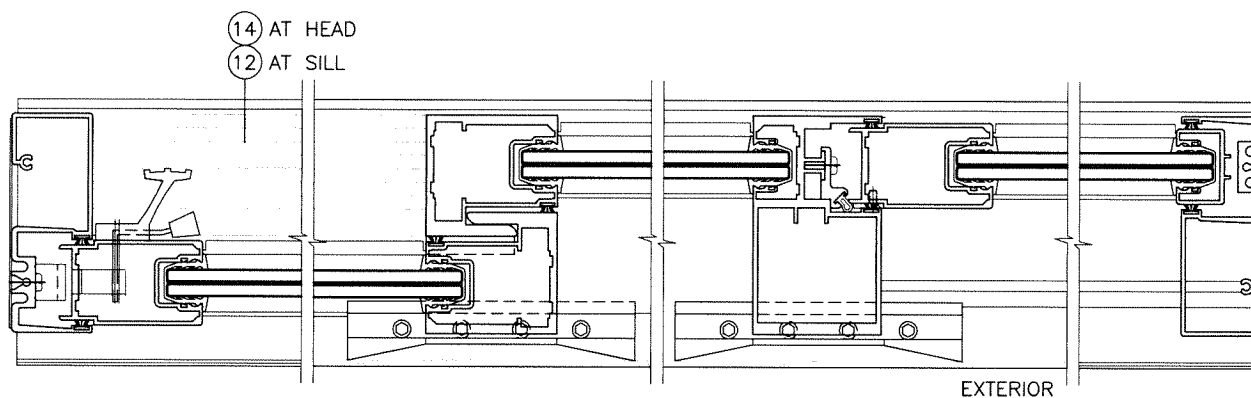
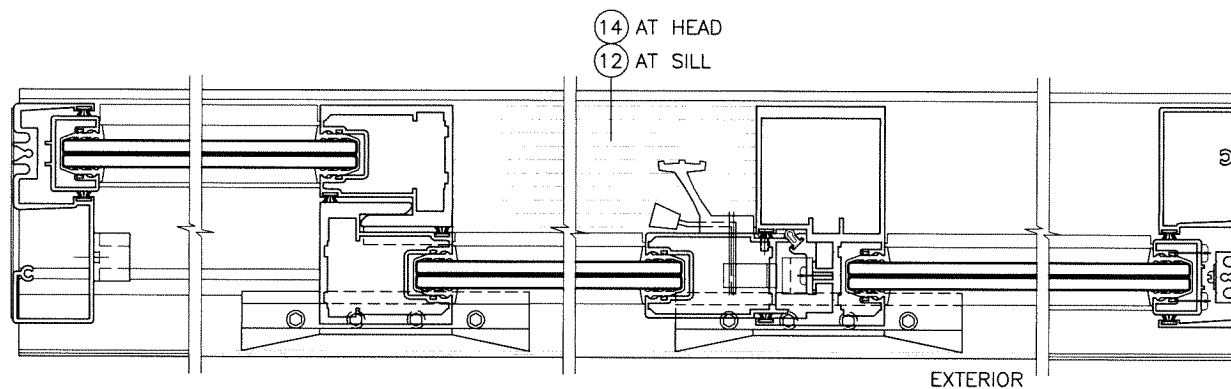
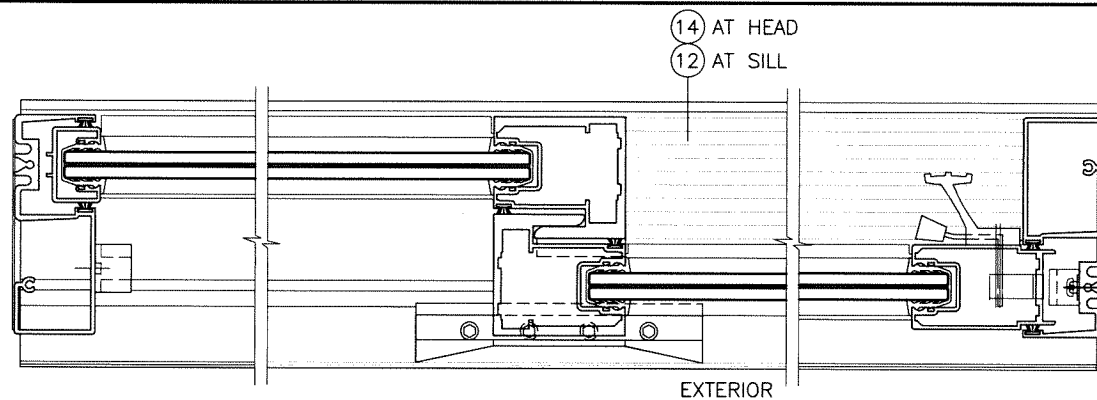


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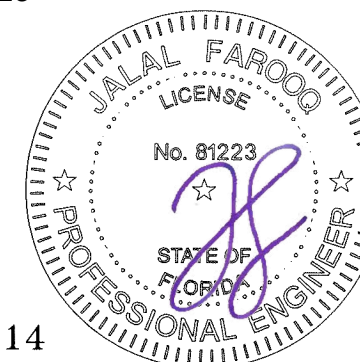
OXXO

APPROVED CONFIGURATIONS
(4 PANELS OR LESS)



CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY
SEE SHEETS 5 & 6 FOR FRAME ANCHOR INSTALLATIONS.

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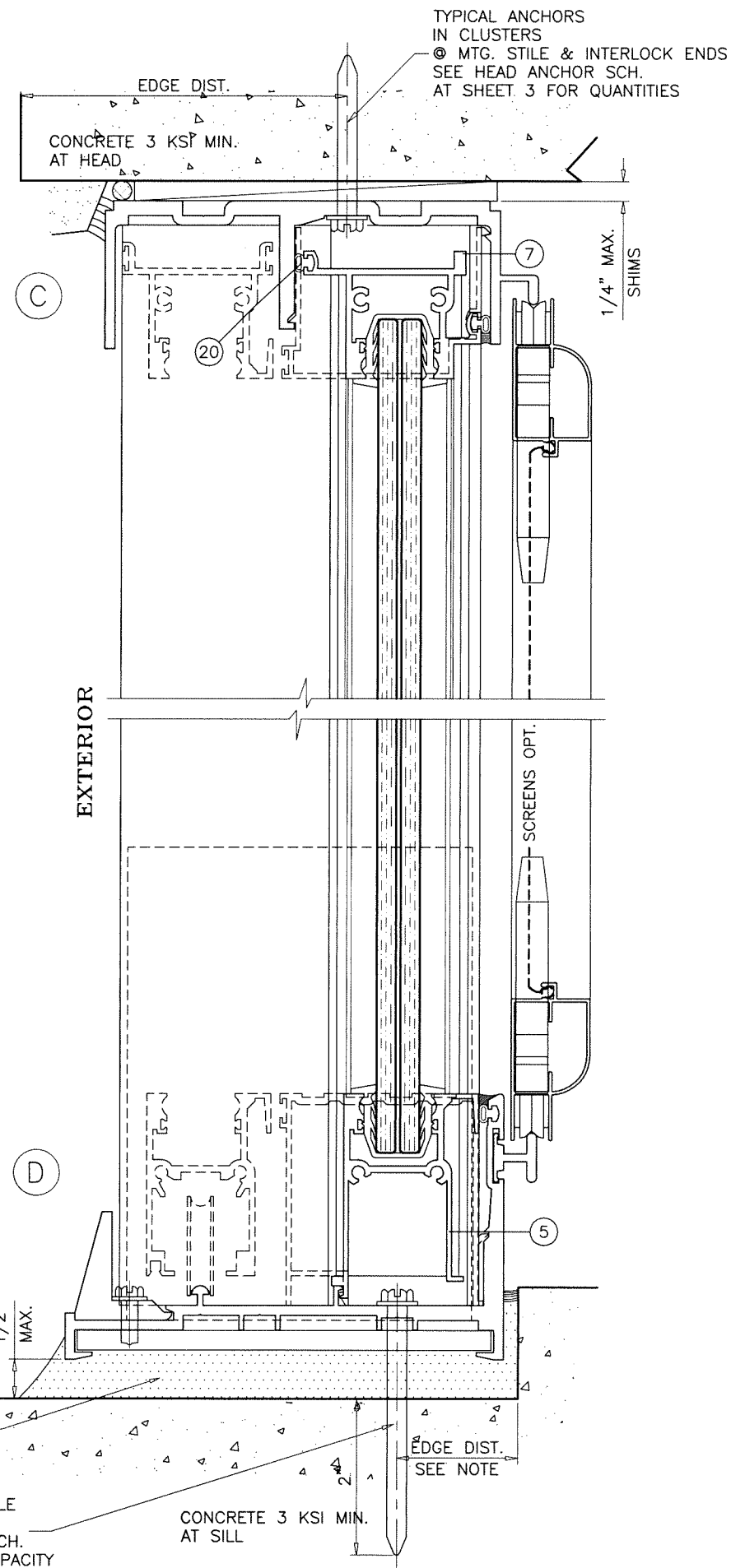
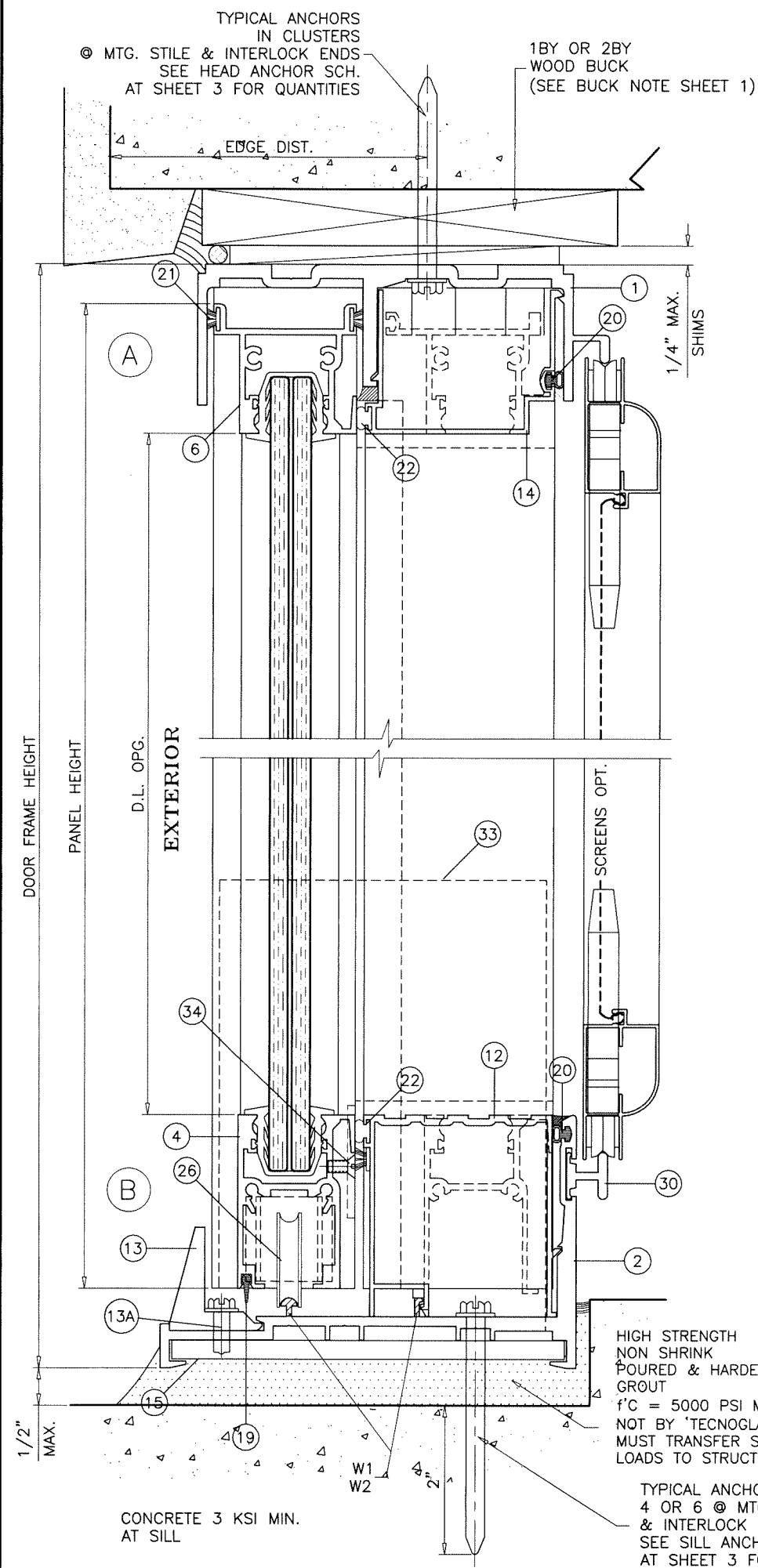
FL #27914

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-2400ST 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

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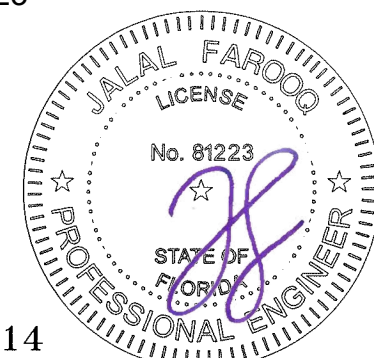
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18-81F
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WEEPS:

W1 = 2-1/2" WEEP NOTCH AT SILL CENTER
W2 = 1" NOTCH AT EACH END

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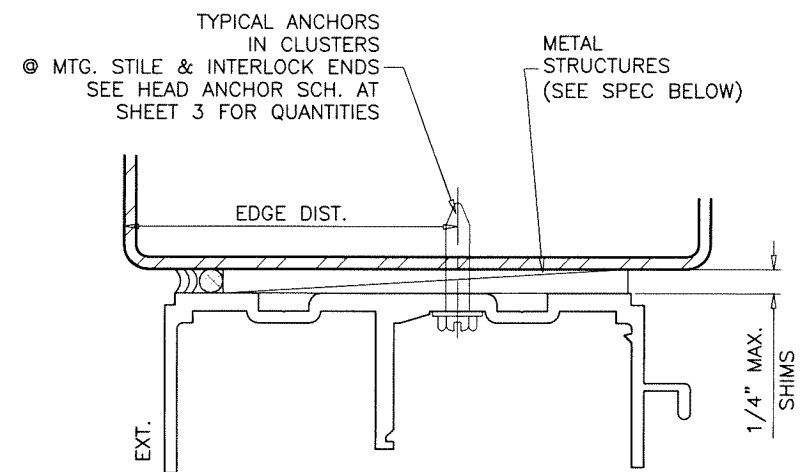
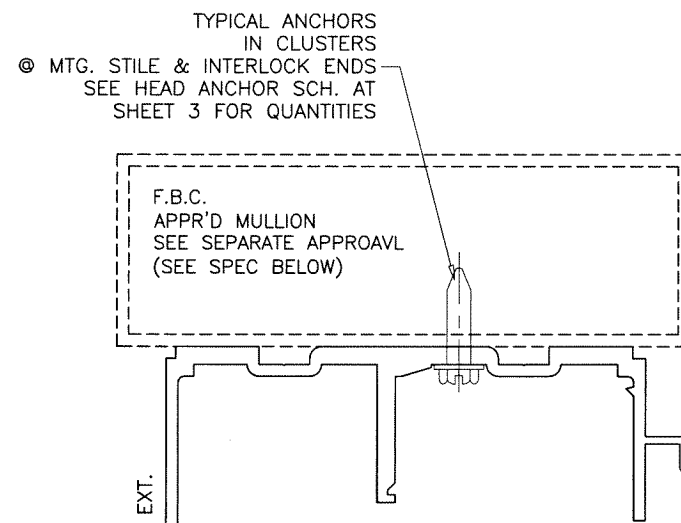
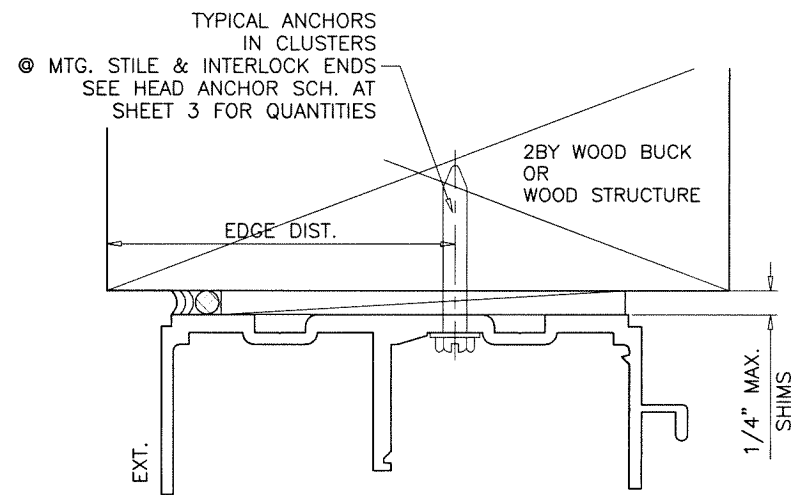
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TYPICAL ANCHORS: SEE ELEV. FOR SPACING

AT HEAD

TYPE 'A'— 1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY WOOD BUCKS INTO CONCRETE
 1-1/4" MIN. EMBED INTO CONCRETE

TYPE 'B'— 1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
 DIRECTLY INTO CONCRETE
 1-1/4" MIN. EMBED INTO CONCRETE

TYPE 'C'— 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

AT SILL

TYPE 'D'— 1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
 DIRECTLY INTO CONCRETE
 1-1/4" MIN. EMBED INTO CONCRETE

AT JAMBS

1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
 INTO WOOD STRUCTURES
 2" MIN. PENETRATION INTO WOOD
 THRU 1BY OR 2BY WOOD BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONC. OR BLOCKS

1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
 DIRECTLY INTO CONCRETE OR FILLED BLOCKS
 2" MIN. EMBED INTO CONC. OR GROUT FILLED BLOCKS

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

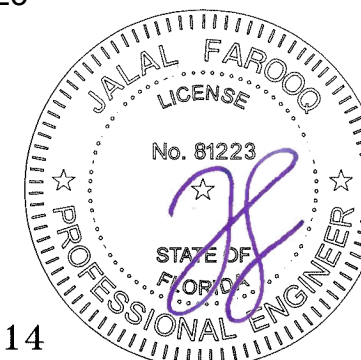
TYPICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 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 HOLLOW/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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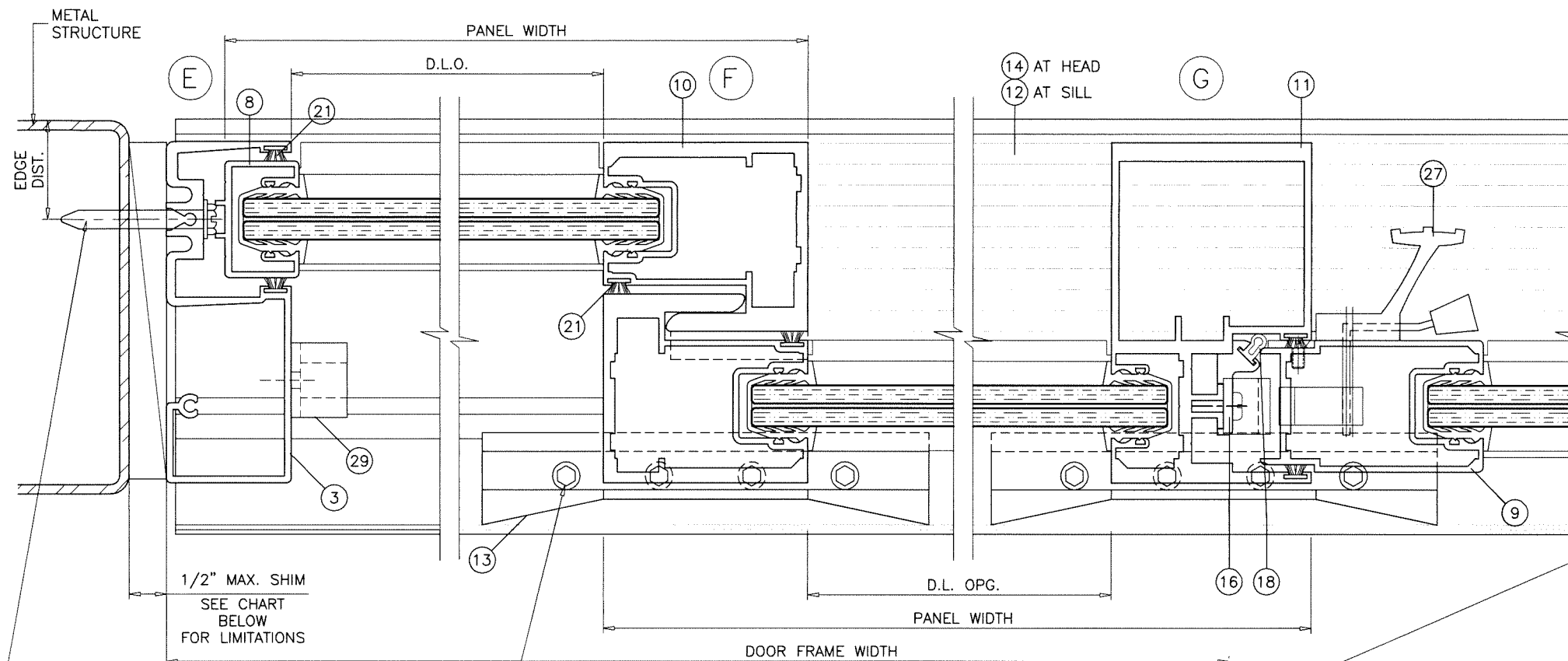
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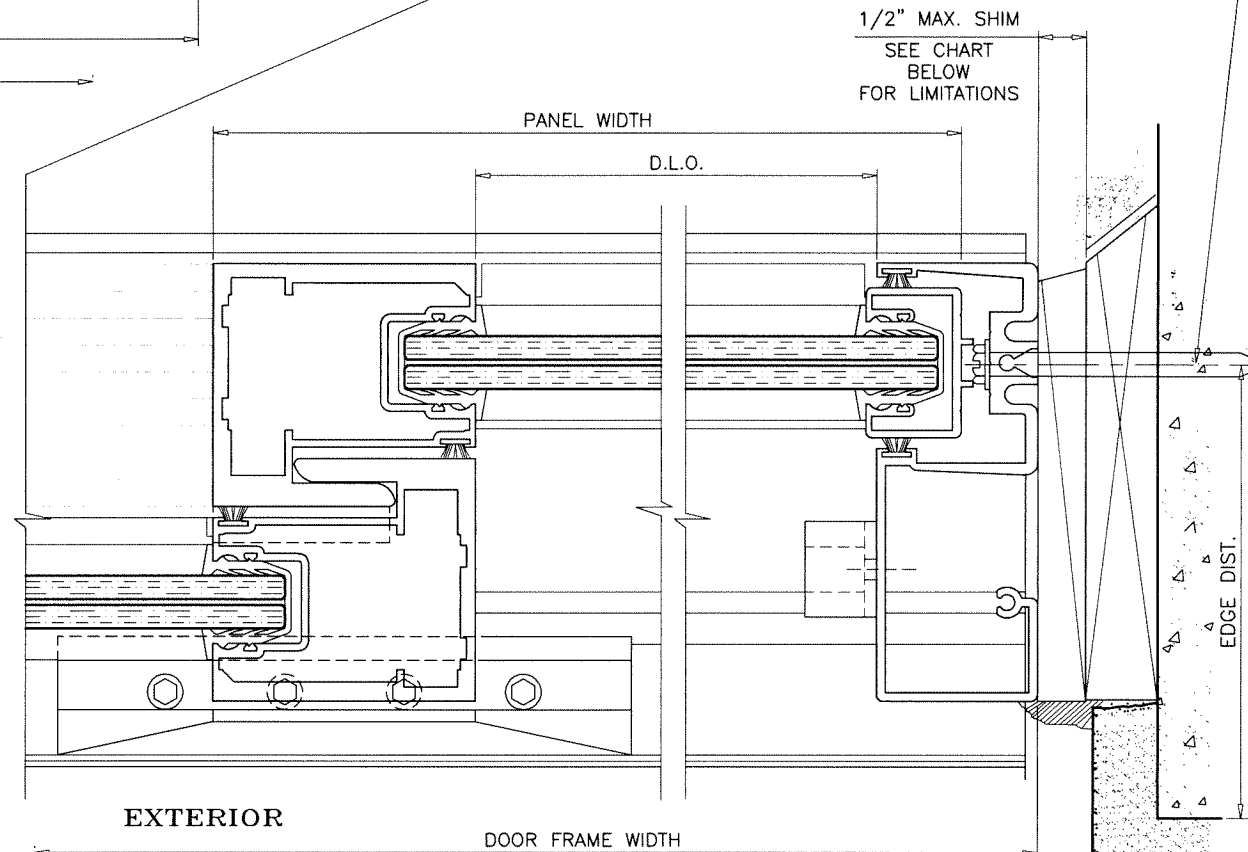
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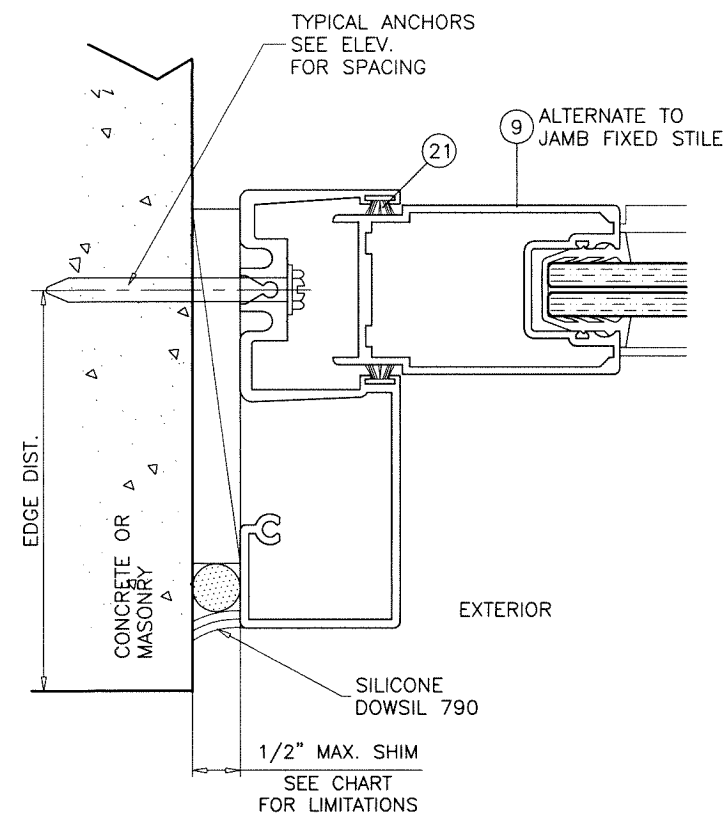
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EXTERIOR



EXTERIOR



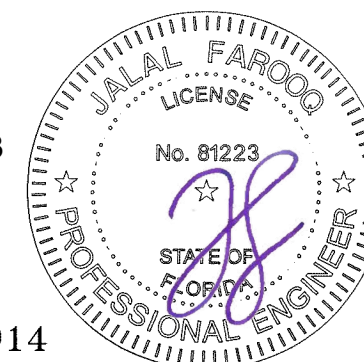
EXTERIOR

JAMB ANCHOR LOAD CAPACITY CHART - PSF				
LIMIT MAX. DESIGN LOADS AS SHOWN FOR DOORS WITH 1/4", 3/8" AND 1/2" SHIMS				
PANEL WIDTH NOMINAL INCHES	1/4" SHIMS	3/8" SHIMS	1/2" SHIMS	
	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	142.0	142.0	142.0	
36	142.0	142.0	142.0	
42	142.0	142.0	125.1	
48	142.0	139.5	109.5	
54	142.0	124.0	97.3	
60	142.0	111.6	87.6	

NOTE:
THIS CHART TO BE USED IN CONJUNCTION WITH HEAD/SILL
ANCHOR CAPACITY (SHEET 3),
LOWER DESIGN PRESSURE FROM GLASS, HEAD/SILL ANCHOR
OR JAMB ANCHOR CHART SHALL CONTROL THE ENTIRE
SYSTEM.

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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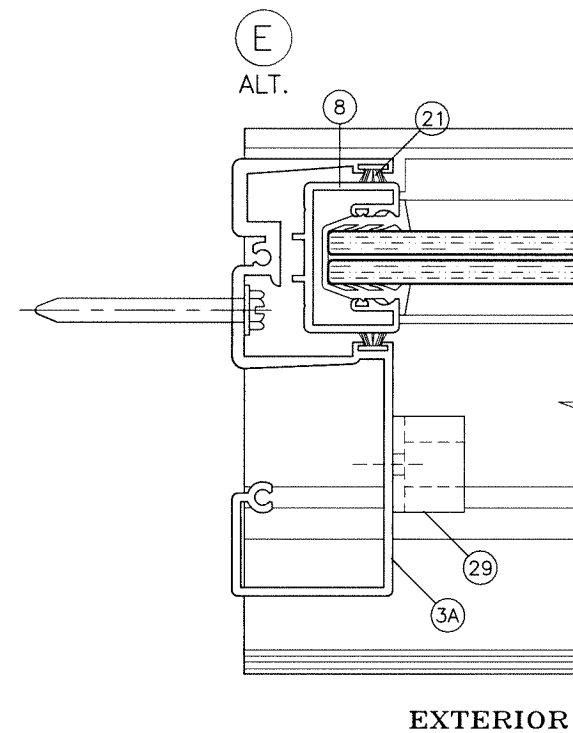
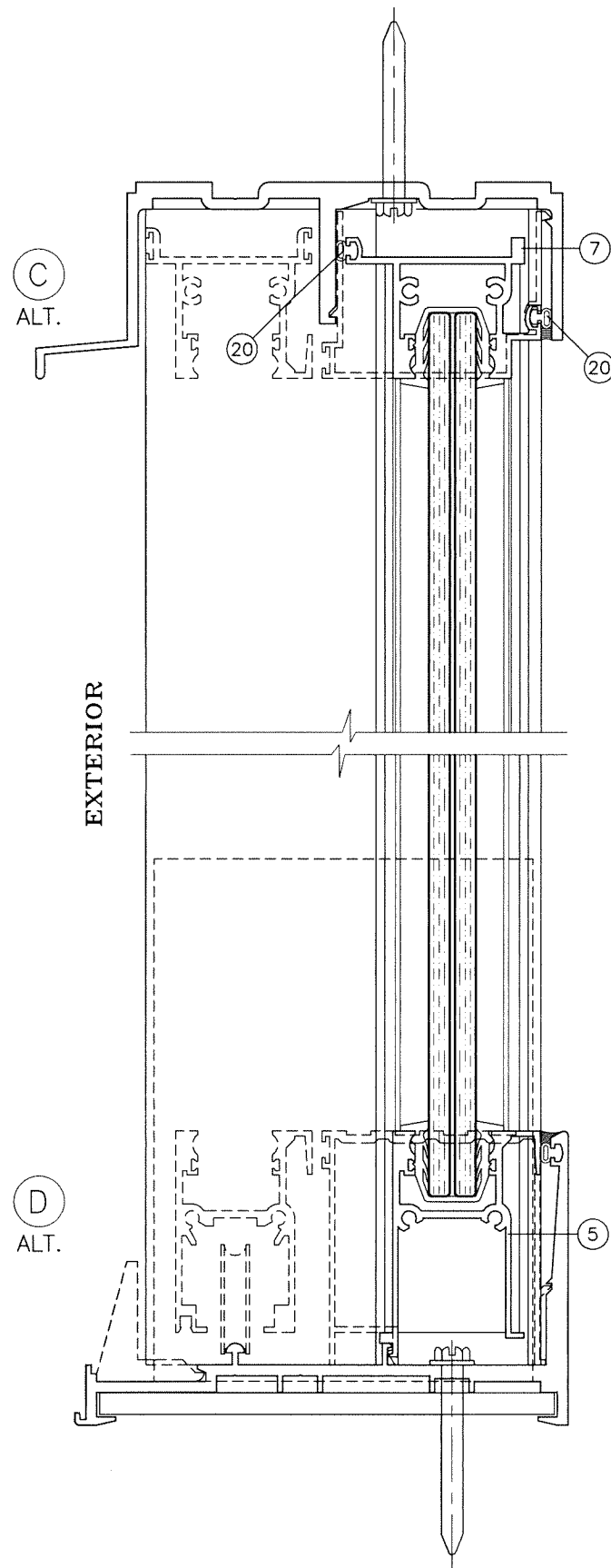
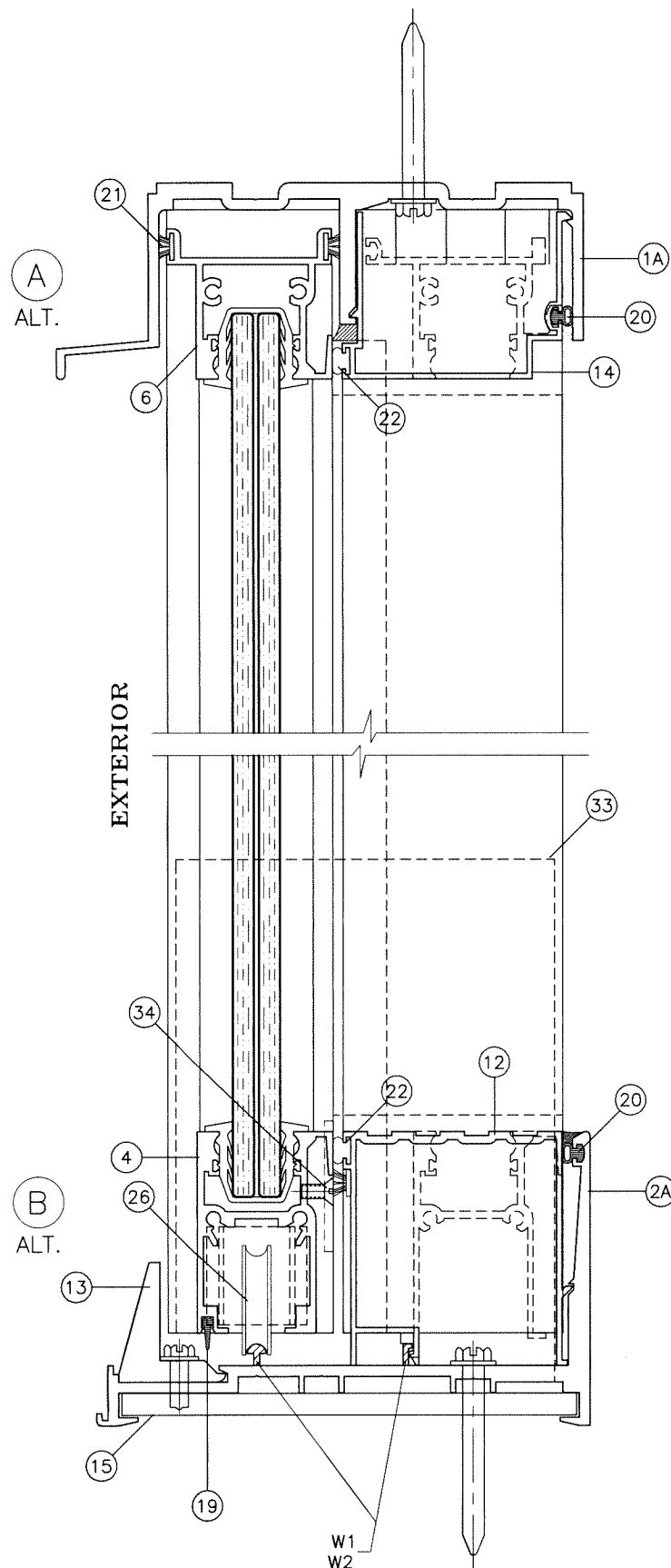
SERIES-2400ST ALUM SLD. GLASS DOOR (S.M.I.)
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drawing no.
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sheet 6 of 10

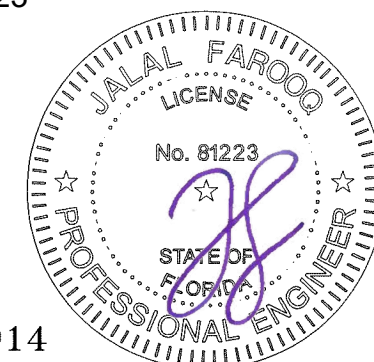
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ILLUSTRATED ALTERNATE DOOR FRAMES

THIS SHEET SHOWS ALTERNATE DOOR FRAMES WITH OUTSIDE SCREEN OPTION. HEAD/SILL/JAMB INSTALLATION FOR THESE FRAMES IS IDENTICAL TO STANDARD FRAMES INSTALLATION AS SHOWN ON SHEETS 5 AND 6.



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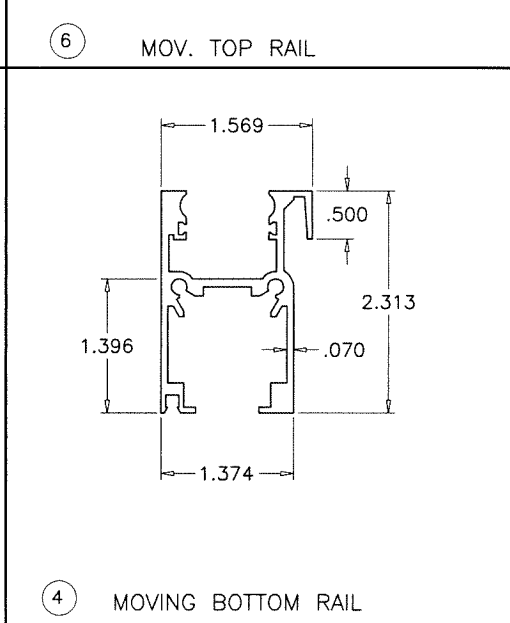
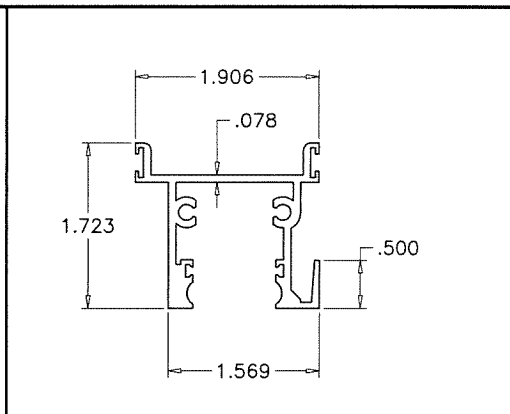
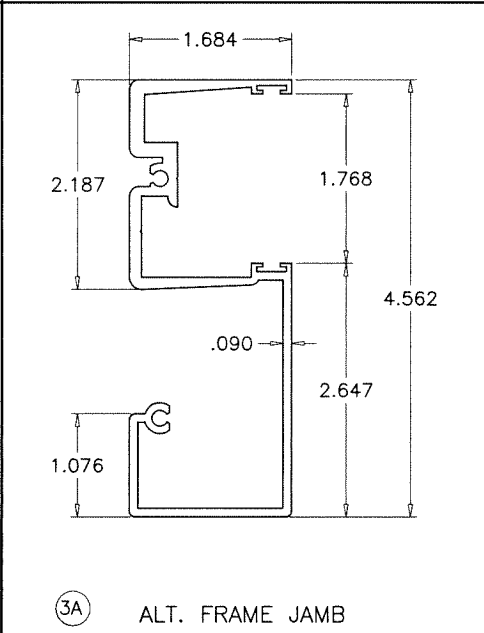
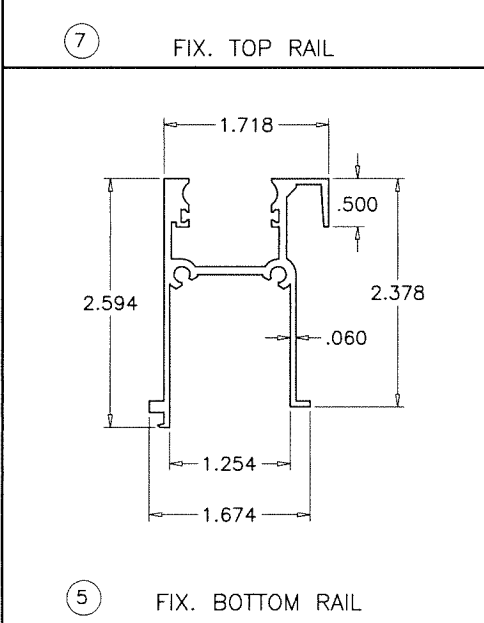
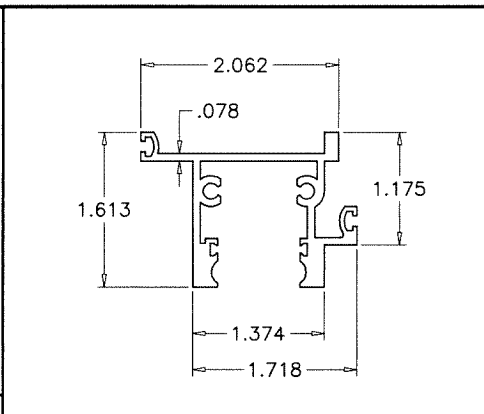
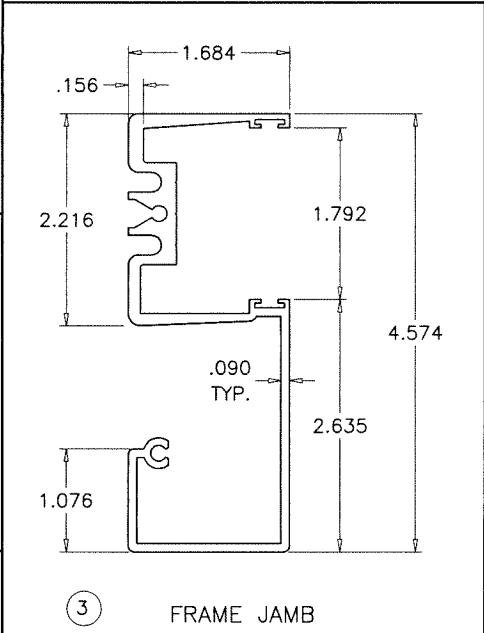
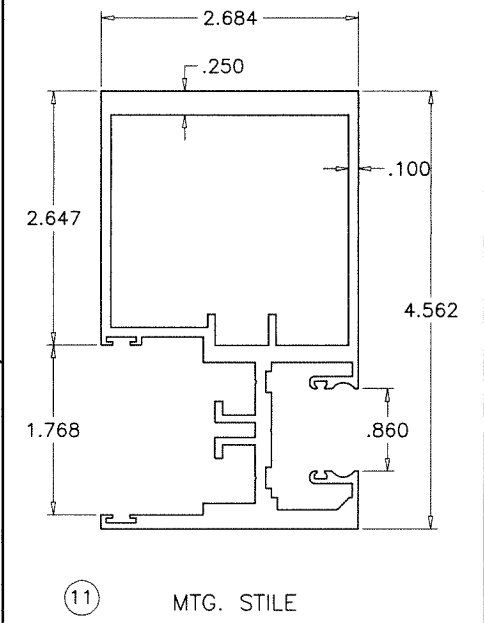
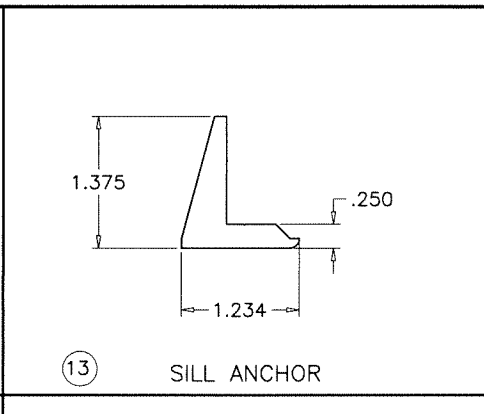
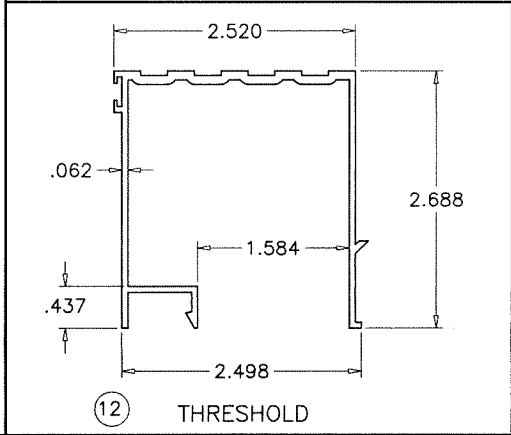
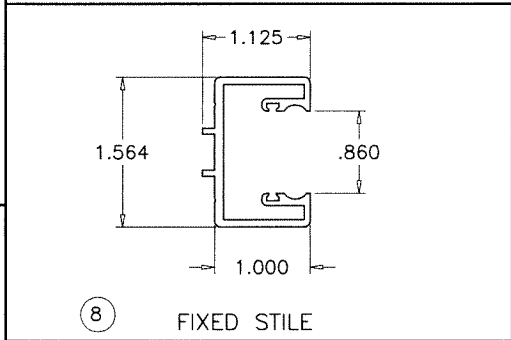
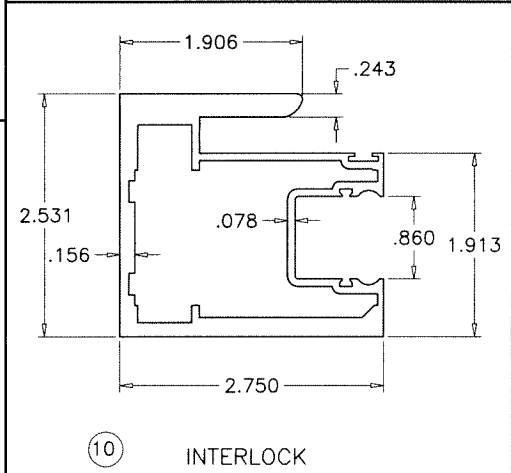
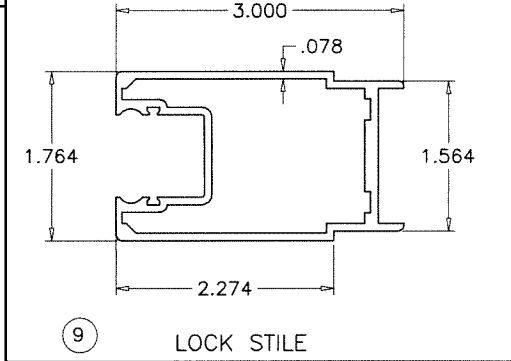
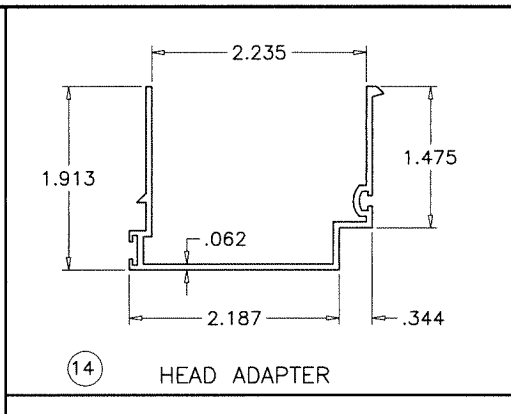
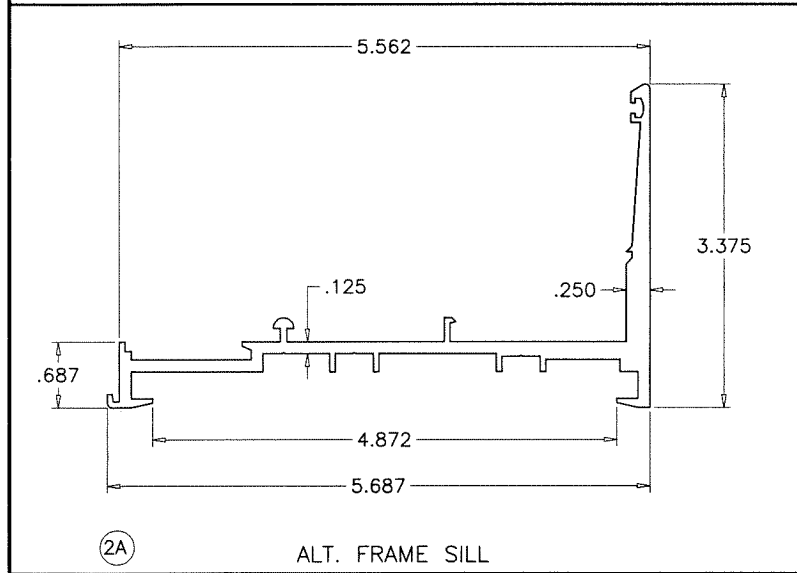
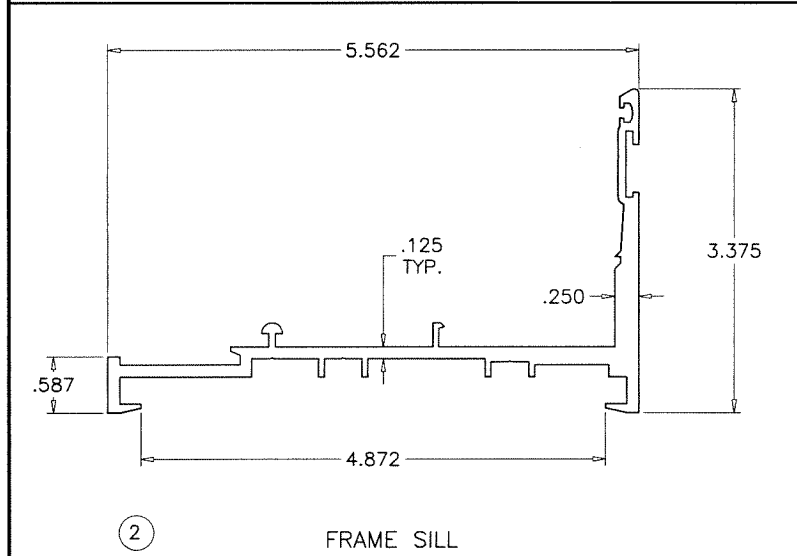
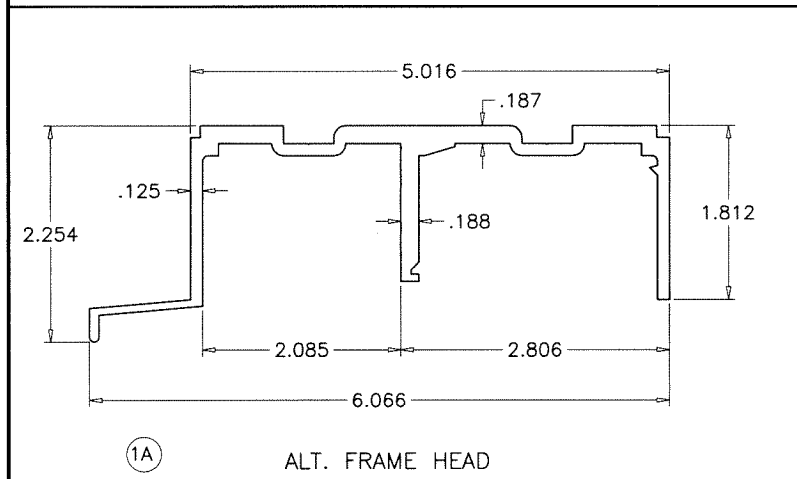
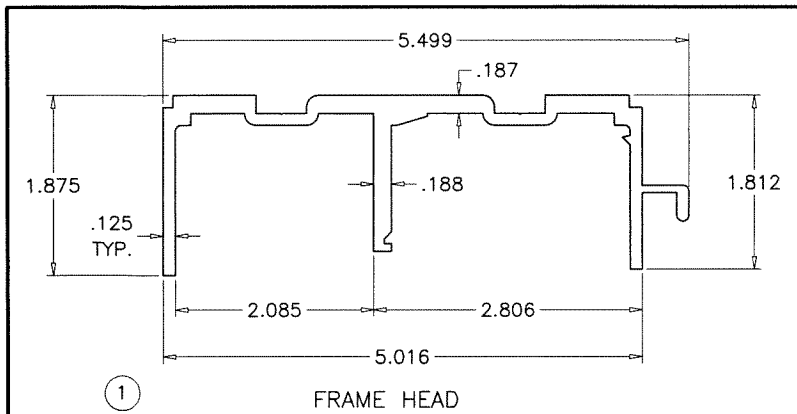
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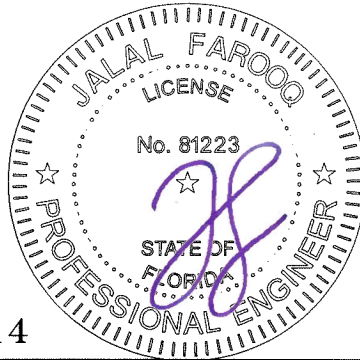
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SERIES-2400ST ALUM SLD. GLASS DOOR (S.M.I.)

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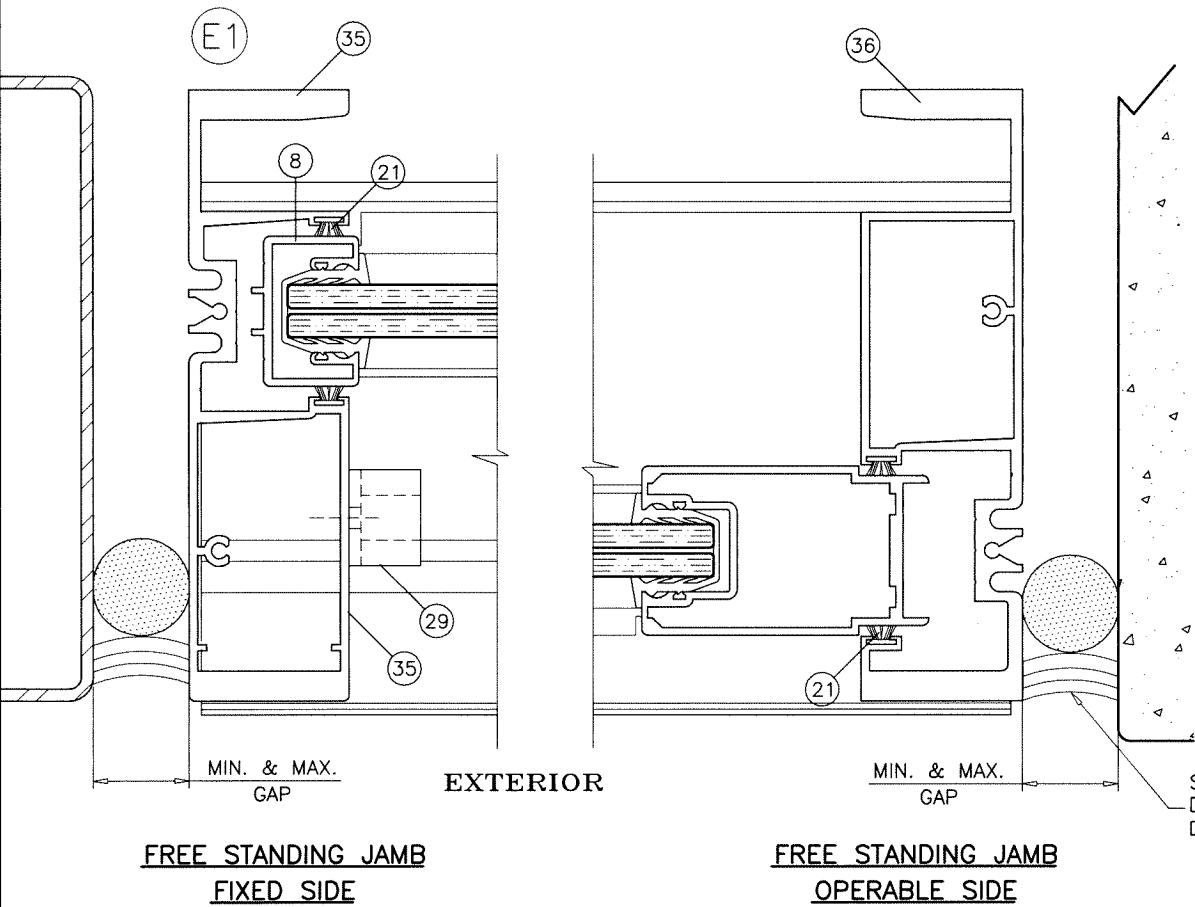
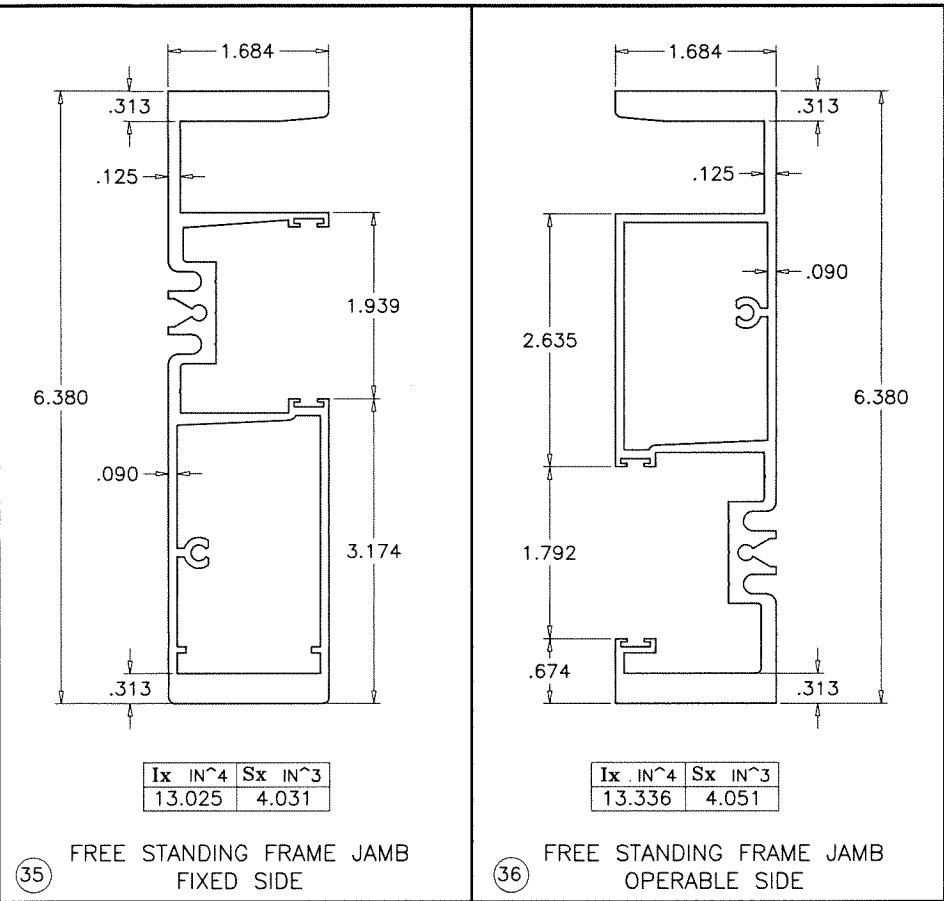
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drawing no.
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ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	2400ST-038	1	FRAME HEAD	6063-T6/6005-T5	-
1A	2400ST-018	1	ALT. FRAME HEAD	6063-T6	-
2	2400ST-039	1	FRAME SILL	6005-T5	-
2A	2400ST-010	1	ALT. FRAME SILL	6005-T5	-
3	2400ST-042	2	FRAME JAMB	6063-T6	-
3A	2400ST-001	2	ALT. FRAME JAMB	6063-T6	-
4	2400ST-008	1/MOV. PANEL	MOVING HORIZ. BOTT. RAIL	6063-T6	-
5	2400ST-009	1/FIX. PANEL	FIXED HORIZ. BOTT. RAIL	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	INTERLOCK	6005-T5	-
11	2400ST-005	1	MEETING STILE	6005-T5	-
12	2400ST-012	1	THRESHOLD FILLING TRACK	6063-T6	LENGTH=OPG. W. BETWEEN FIXED PANELS
13	2400ST-011	-	SILL TRACK ANCHOR CLIP, 6" LONG	6005-T5	-
13A	-	4/ CLIP	1/4-20 X 3/4" LG. SOCKET HEAD CAP SCREWS	ST/ST	-
14	2400ST-019	1	HEAD ADAPTER	6063-T6	LENGTH=OPG. W. BETWEEN FIXED PANELS
15	2400ST-031	2	SILL TRACK PLATE (5-1/4" X 1/4" X 4" LONG)	ALUMINUM	AT EACH END
15A	2400ST-031	3	SILL TRACK PLATE (5-1/4" X 1/4" X 8" LONG)	ALUMINUM	AT INTERLOCK/ASTRAGAL STILES
16	2400ST-032	-	MTG. RAIL THRESHOLD SEAL	6063-T5	6" LONG
17	#10 X 1/2"	2	WEATHERSTRIP FASTENERS	-	-
18	V-027	-	BULB W'STRIPPING, DUROMETER 75±5 SHORE A	TPE	FP-712 PROTOTYPE
19	WV-2310	-	FLAP WEATHER SEAL, DUROMETER 75±5 SHORE A	VINYL	WIBORG
20	V-026	-	BULB W'STRIPPING, DUROMETER 65±5 SHORE A	SOFT PVC	FP-198 PROTOTYPE
21	W31265NK	-	FIN PILE W'STRIPPING	-	ULTRAFAB
22	Q250X270	-	Q-LON W'STRIPPING	-	SCHLEGEL
24	V-022	AS REQD.	GLAZING GASKET, DUROMETER 75±5 SHORE A	VINYL	9/16" GLASS
24A	2400ST-G02 S	AS REQD.	GLAZING GASKET, DUROMETER 70±5 SHORE A	SILICONE	9/16" GLASS
26	-	2/MOV. PANEL	TANDEM ACETAL WHEELS IN METALLIC HOUSING	-	DUAL ROLLERS
27	-	1	STANDARD MORTISE LOCK	ST. STEEL	INTERLOCK
28	-	1/LOCK	LOCK KEEPER, AT 41-1/2" FROM BOTTOM	PLATED STEEL	INTERLOCK
29	-	AS REQD.	DOOR BUMPER	-	1" DIA. X 3/4" LONG
30	2400ST-040	AS REQD.	INSIDE SCREEN TRACK	6063-T6	-
31	#10 X 1-1/2"	2/ PANEL	PANEL ASSBY. SCREWS	ST/ST	-
32	#10 X 1"	2/ CORNER	FRAME ASSBY. SCREWS	-	-
33	-	2	4-1/4" X .060" X 6" LONG PLATE	ALUMINUM	AT FRAME JAMB BOTTOM
34	-	-	5/8" X 1-1/2" X .1" PLATE @ LOCK STILE BOTTOM	ALUMINUM	FASTENED W/ #8 X 3/8" FH SMS
35	2400ST-071	1	FREE STANDING JAMB (FIX. SIDE)	6005-T5	-
36	2400ST-072	1	FREE STANDING JAMB (OPERABLE SIDE)	6005-T5	-

LOCK:

SURFACE MOUNT METALLIC HANDLE AT 41-1/2" FROM BOTTOM
FASTENED TO LOCK STILE WITH
(2) #8 X 1/2" FH SMS

SURFACE MOUNT METALLIC 3 PLY DUAL HOOK LOCK
41-1/2" FROM BOTTOM
FASTENED TO LOCK STILE WITH
(2) #10 X 1" FH SMS

SURFACE MOUNT METALLIC KEEPER AT 41-1/2" FROM BOTTOM
FASTENED TO FRAME JAMB AND ASTRAGAL STILE WITH
(3) #8 X 3/4" PH SMS

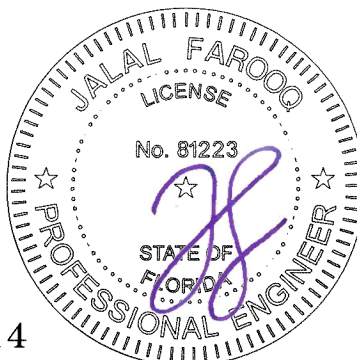
MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
84"	7/16"	5/8"
120"	7/16"	5/8"
132"	7/16"	1/2"

SEALANTS:

ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND
HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH
WHITE/ALUM COLORED SEALANT.

Sealed: 8/1/2023

FL #27914



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

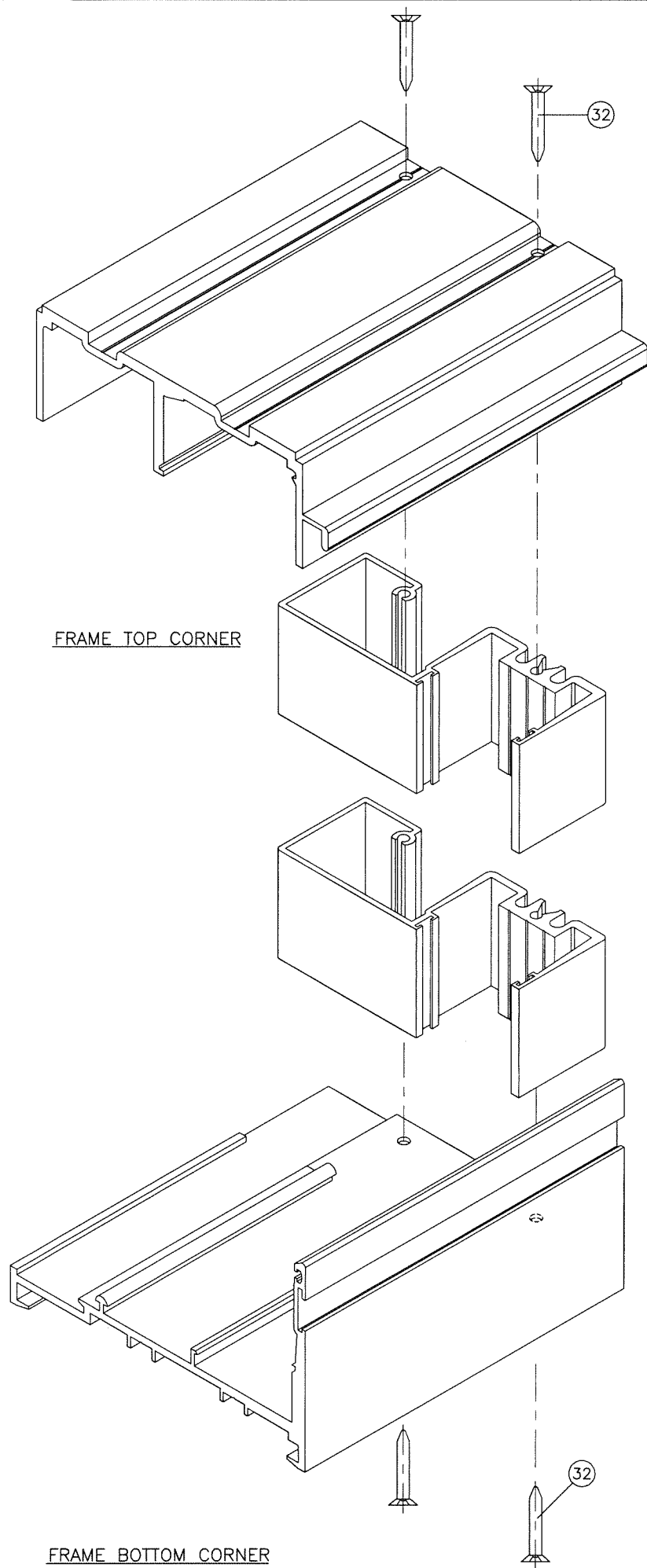
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

no	date	by	description

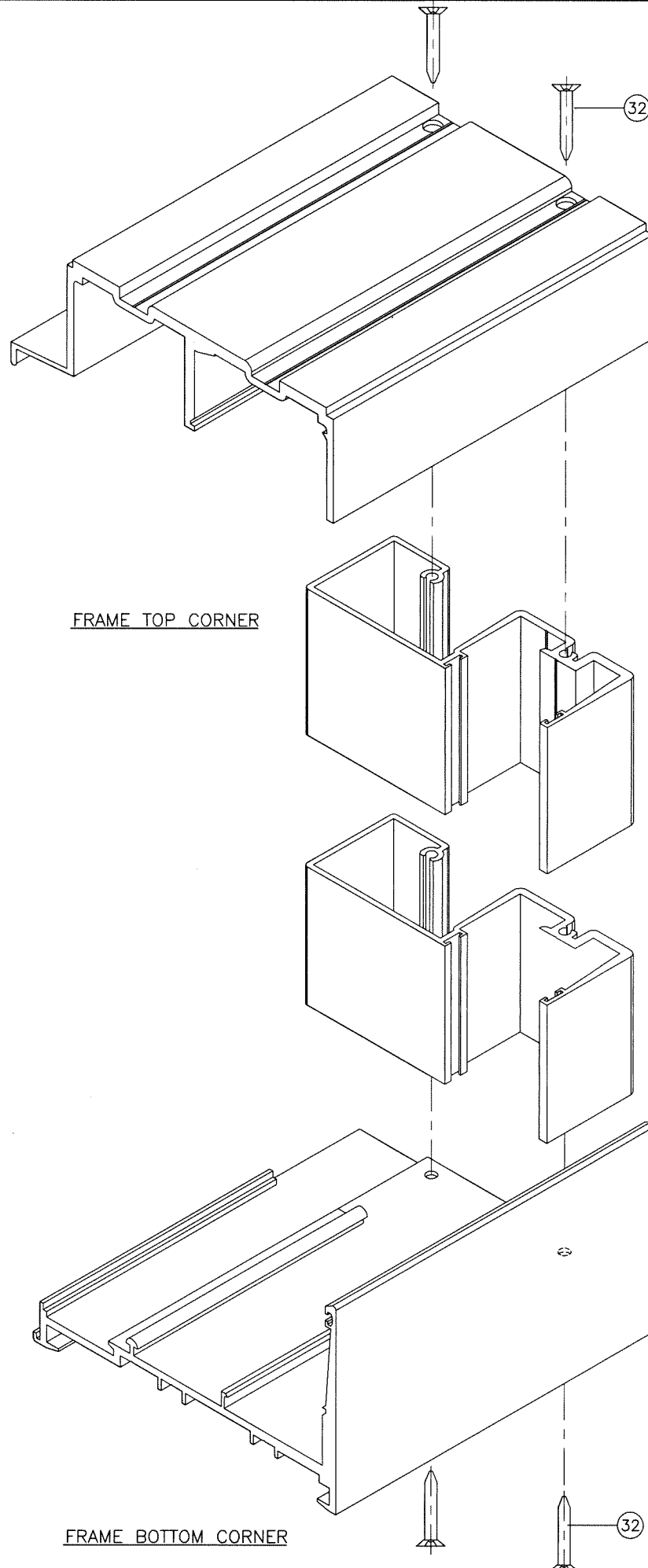
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dr. by: TARIQ
chk. by:

drawing no.
18-81F
sheet 9 of 10



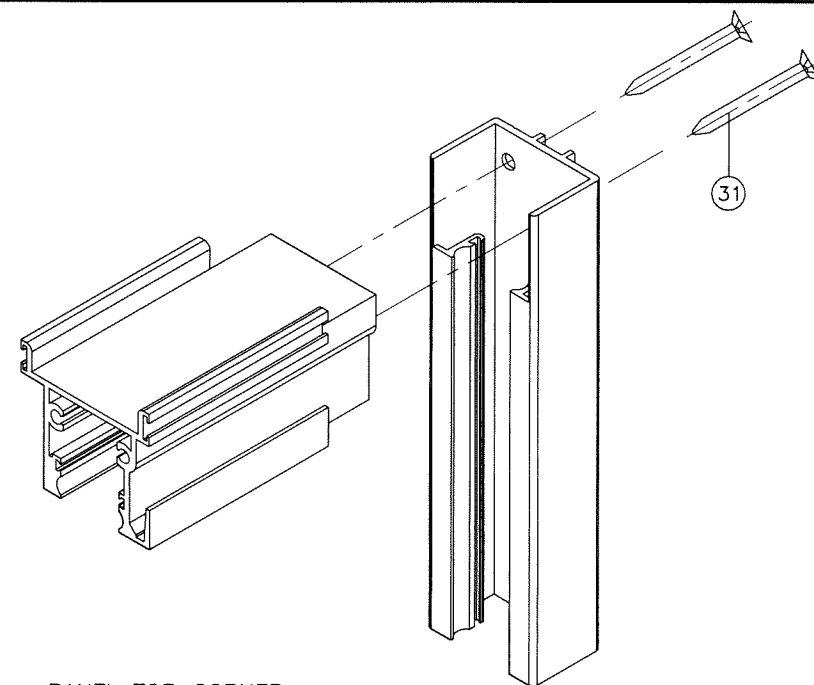
FRAME TOP CORNER

FRAME BOTTOM CORNER

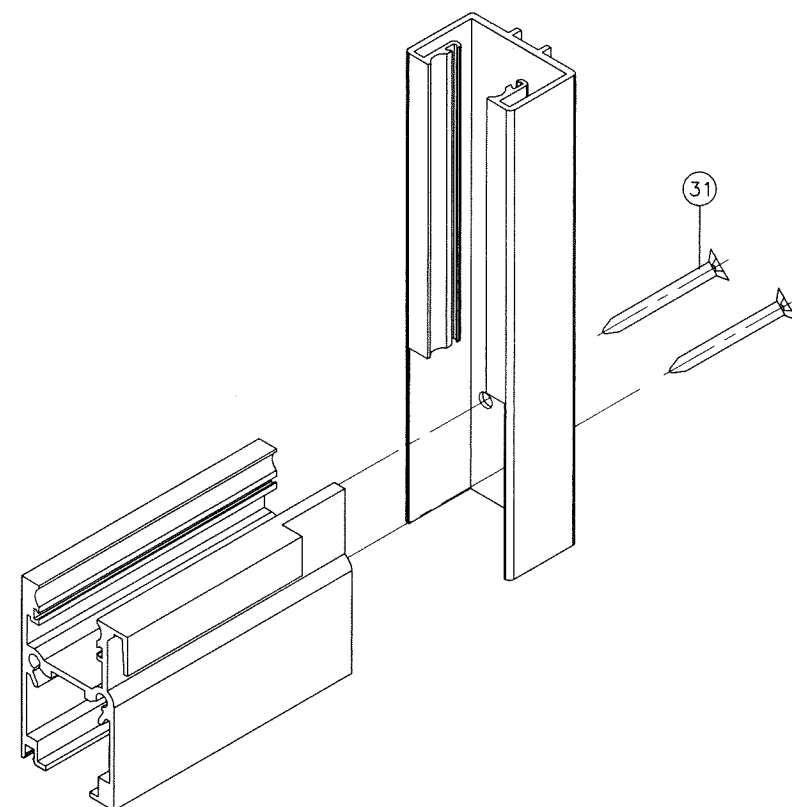


FRAME TOP CORNER

FRAME BOTTOM CORNER

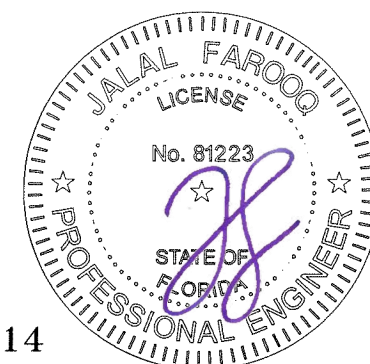


PANEL TOP CORNER



PANEL BOTTOM CORNER

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ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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SERIES-2400ST ALUM SLD. GLASS DOOR (S.M.I.)
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
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sheet 10 of 10

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