

SERIES-2400ST ALUMINUM SLIDING GLASS DOOR

SEE SHEET 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.

USING CHARTS ON SHEETS 4 & 5 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 4 & 5) OR JAMB CHART (SHEET 10) 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 2023 (8TH EDITION)/2026 (9TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL OR OTHER RIGID MATERIALS).

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023/2026 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

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

FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.

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

Sealed: 10/15/2026

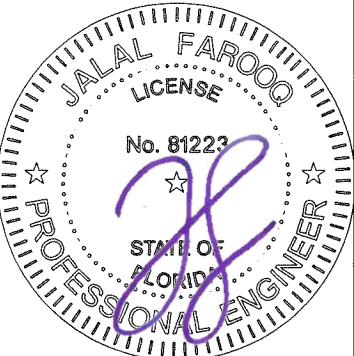
FL #27914

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.



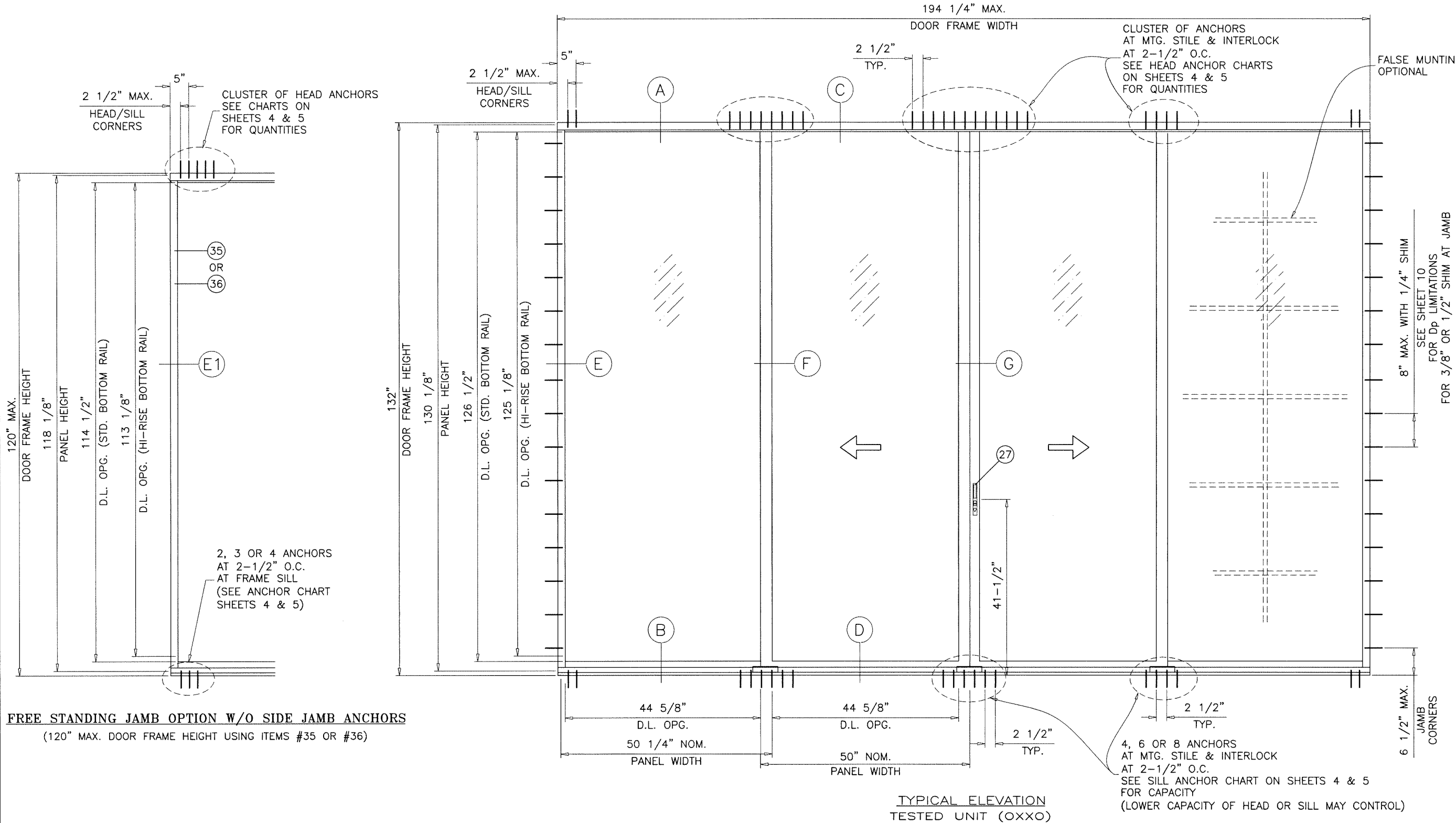
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

COMP-ANL\21-21F-TG

SERIES-2400ST 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
	A	07.31.23		UPDATED TO 2023 FBC
	B	06.11.26		GENERAL REVISION
	C	10.12.26		UPDATED TO 2026 FBC
date:	03-16-21			
scale:	-			
dr. by:	TARIQ			
chk. by:				
drawing no.	21-21F			
sheet	1 of 17			



FREE STANDING JAMB OPTION W/O SIDE JAMB ANCHORS
(120" MAX. DOOR FRAME HEIGHT USING ITEMS #35 OR #36)

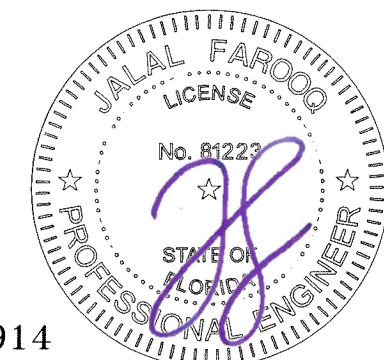
DAYLITE OPENINGS:

DLO WIDTH = FIX. PANEL WIDTH - 5.625"
DLO WIDTH = OPER. PANEL WIDTH - 5.375"
DLO HEIGHT = FRAME HEIGHT - 5.500"
PANEL HEIGHT = FRAME HEIGHT - 1.875"

ALTERNATE SIZE UNITS:

MAX. FRAME AREA OF DOORS NOT TO EXCEED
TESTED FRAME AREA OF 178 SQ. FT.

Sealed: 10/15/2026



FL #27914

af c

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\21-21F-TG

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

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

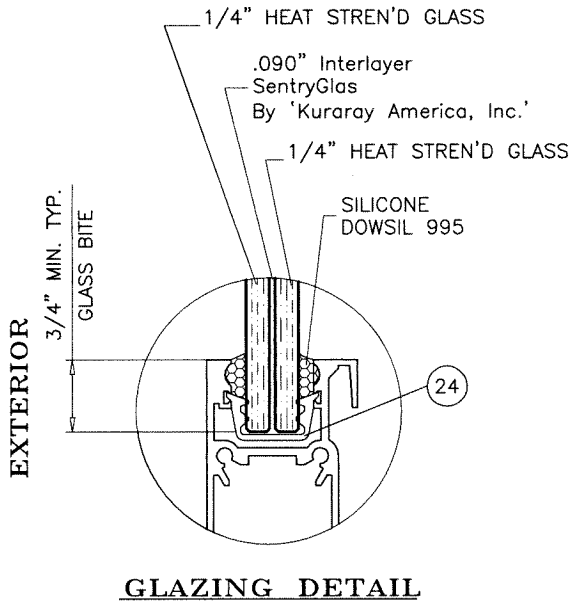
no	date	by	description

revisions:

date: 03-16-21
scale: 1/2" = 1'-0"
dr. by: TARIQ
chk. by:

drawing no.
21-21F
sheet 2 of 17

DESIGN LOAD CAPACITY - PSF		
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	9/16" GLASS
		EXT.(+)/INT.(-)
30	96	131.0
36		131.0
42		131.0
48		131.0
54		117.8
60		106.0
30	102	131.0
36		131.0
42		131.0
48		131.0
54		117.8
30	108	131.0
36		131.0
42		131.0
48		131.0
54		117.8
30	114	131.0
36		131.0
42		131.0
48		131.0
54		117.8
30	119-1/2	131.0
36		131.0
42		131.0
48		131.0
54		117.8
30	120	120.0
36		120.0
42		120.0
48		120.0
54		117.8
30	126	120.0
36		120.0
42		120.0
48		120.0
54		117.8
30	132	120.0
36		120.0
42		120.0
48		120.0
54		117.8



NOTE:
FOR DOORS WITH FREE STANDING JAMBS (UNANCHORED JAMBS)
LIMIT MAX. DOOR FRAME HEIGHTS TO 120 IN.

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

Sealed: 10/15/2026



FL #27914

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

SERIES-2400ST 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: 03-16-21
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
21-21F

sheet **3** of 17

COMP-ANL\21-21F-TG

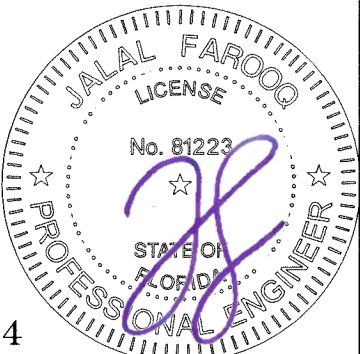
DESIGN LOAD CAPACITY – PSF (HEAD ANCHORS)											
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'A'				ANCHORS TYPE 'B'			ANCHORS TYPE 'C'		
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE 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	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0
36		96.3	131.0	131.0	131.0	122.3	131.0	131.0	130.3	131.0	131.0
42		82.6	123.9	131.0	131.0	104.9	131.0	131.0	111.7	131.0	131.0
48		72.3	108.4	131.0	131.0	91.8	131.0	131.0	97.8	131.0	131.0
54		64.2	96.3	117.8	117.8	81.6	117.8	117.8	86.9	117.8	117.8
60		57.8	86.7	106.0	106.0	73.4	106.0	106.0	78.2	106.0	106.0
30	102	108.8	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0
36		90.7	131.0	131.0	131.0	115.1	131.0	131.0	122.7	131.0	131.0
42		77.7	116.6	131.0	131.0	98.7	131.0	131.0	105.1	131.0	131.0
48		68.0	102.0	131.0	131.0	86.4	129.5	131.0	92.0	131.0	131.0
54		60.4	90.7	117.8	117.8	76.8	115.1	117.8	81.8	117.8	117.8
30	108"	102.8	131.0	131.0	131.0	130.5	131.0	131.0	131.0	131.0	131.0
36		85.6	128.4	131.0	131.0	108.7	131.0	131.0	115.9	131.0	131.0
42		73.4	110.1	131.0	131.0	93.2	131.0	131.0	99.3	131.0	131.0
48		64.2	96.3	128.4	131.0	81.6	122.3	131.0	86.9	130.3	131.0
30	114	97.3	131.0	131.0	131.0	123.6	131.0	131.0	131.0	131.0	131.0
36		81.1	121.7	131.0	131.0	103.0	131.0	131.0	109.8	131.0	131.0
42		69.5	104.3	131.0	131.0	88.3	131.0	131.0	94.1	131.0	131.0
48		60.8	91.3	121.7	131.0	77.3	115.9	131.0	82.3	123.5	131.0
30	119–1/2	92.9	131.0	131.0	131.0	117.9	131.0	131.0	125.6	131.0	131.0
36		77.4	116.1	131.0	131.0	98.3	131.0	131.0	104.7	131.0	131.0
42		66.3	99.5	131.0	131.0	84.2	131.0	131.0	89.7	131.0	131.0
48		58.0	87.1	116.1	131.0	73.7	126.4	131.0	78.5	117.8	131.0
30	120	92.5	120.0	120.0	120.0	117.4	120.0	120.0	120.0	120.0	120.0
36		77.1	115.6	120.0	120.0	97.9	120.0	120.0	104.3	120.0	120.0
42		66.1	99.1	120.0	120.0	83.9	120.0	120.0	89.4	120.0	120.0
48		57.8	86.7	115.6	120.0	73.4	110.1	120.0	78.2	117.3	120.0
30	126	88.1	120.0	120.0	120.0	111.8	120.0	120.0	119.2	120.0	120.0
36		73.4	110.1	120.0	120.0	93.2	120.0	120.0	99.3	120.0	120.0
42		62.9	94.4	120.0	120.0	79.9	119.8	120.0	85.1	120.0	120.0
48		55.0	82.6	110.1	120.0	69.9	104.9	120.0	74.5	111.7	120.0
30	132	84.1	120.0	120.0	120.0	106.8	120.0	120.0	113.7	120.0	120.0
36		70.1	105.1	120.0	120.0	89.0	120.0	120.0	94.8	120.0	120.0
42		60.1	90.1	120.0	120.0	76.3	114.4	120.0	81.2	120.0	120.0
48		52.5	78.8	105.1	120.0	66.7	100.1	120.0	71.1	106.6	120.0

NOTE:
SEE SHEET 3 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 10) SHALL CONTROL FOR
THE ENTIRE ASSEMBLY.
SEE SHEET 9 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	131.0	131.0	131.0
36		122.3	131.0	131.0
42		104.9	131.0	131.0
48		91.8	131.0	131.0
54		81.6	117.8	117.8
60		73.4	106.0	106.0
30	102	131.0	131.0	131.0
36		115.1	131.0	131.0
42		98.7	131.0	131.0
48		86.4	129.5	131.0
54		76.8	115.1	117.8
30	108"	130.5	131.0	131.0
36		108.7	131.0	131.0
42		93.2	131.0	131.0
48		81.6	122.3	131.0
30	114	123.6	131.0	131.0
36		103.0	131.0	131.0
42		88.3	131.0	131.0
48		77.3	115.9	131.0
30	119–1/2	117.9	131.0	131.0
36		98.3	131.0	131.0
42		84.2	131.0	131.0
48		73.7	126.4	131.0
30	120	117.4	120.0	120.0
36		97.9	120.0	120.0
42		83.9	120.0	120.0
48		73.4	110.1	120.0
30	126	111.8	120.0	120.0
36		93.2	120.0	120.0
42		79.9	119.8	120.0
48		69.9	104.9	120.0
30	132	106.8	120.0	120.0
36		89.0	120.0	120.0
42		76.3	114.4	120.0
48		66.7	100.1	120.0

NOTE:
1. ANCHOR CAPACITY BASED ON MAX. 1/4" SHIMS
AT HEAD/SILL AND JAMBS.
2. FREE STANDING JAMB (W/O SIDE JAMB ANCHORS)
LIMITED TO 120" MAX. SPAN.

FL #27914



af c

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE SUITE 220
MIAMI, FLORIDA 33173
(C.A.N. 3558)
TEL (305) 264-8100 FAX (305) 262-6978

SERIES-2400ST 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: 03-16-21
scale: -
dr. by: TARIQ
chk. by:

drawing no.
21-21F
sheet 4 of 17

COMP-ANL\21-21F-TG

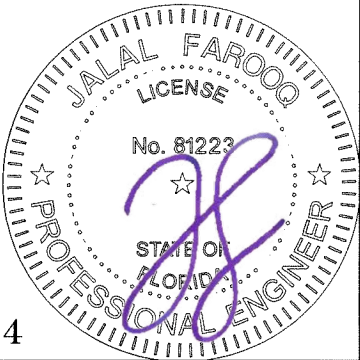
DESIGN LOAD CAPACITY – PSF (HEAD ANCHORS)								
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'AA'				ANCHORS TYPE 'BB'		
		2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB	5 ANCHORS AT FREE STAND. JAMB	2 ANCHORS AT FREE STAND. JAMB	3 ANCHORS AT FREE STAND. JAMB	4 ANCHORS AT FREE STAND. JAMB
		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
		EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
30	96	93.2	131.0	131.0	131.0	131.0	131.0	131.0
36		77.7	116.5	131.0	131.0	120.7	131.0	131.0
42		66.6	99.9	131.0	131.0	103.4	131.0	131.0
48		58.3	87.4	116.5	131.0	90.5	131.0	131.0
54		51.8	77.7	103.6	117.8	80.4	117.8	131.0
60		46.6	69.9	93.2	106.0	72.4	106.0	131.0
30	102	87.7	131.0	131.0	131.0	131.0	131.0	131.0
36		73.1	109.6	131.0	131.0	113.6	131.0	131.0
42		62.7	94.0	125.3	131.0	97.3	131.0	131.0
48		54.8	82.2	109.6	131.0	85.2	127.8	131.0
54		48.7	73.1	97.5	117.8	75.7	113.6	131.0
30	108"	82.8	124.3	131.0	131.0	128.7	131.0	131.0
36		69.0	103.6	131.0	131.0	107.3	131.0	131.0
42		59.2	88.8	118.3	131.0	91.9	131.0	131.0
48		51.8	77.7	103.6	129.4	80.4	120.7	131.0
30	114	78.5	117.7	131.0	131.0	121.9	131.0	131.0
36		65.4	98.1	130.8	131.0	101.6	131.0	131.0
42		56.1	84.1	112.1	131.0	87.1	130.6	131.0
48		49.1	73.6	98.1	122.6	76.2	114.3	131.0
30	119–1/2	74.9	112.3	131.0	131.0	116.3	131.0	131.0
36		62.4	93.6	124.8	131.0	96.9	131.0	131.0
42		53.5	80.2	107.0	131.0	83.1	124.6	131.0
48		46.8	70.2	93.6	117.0	72.7	109.1	131.0
30	120	74.6	111.8	120.0	120.0	115.8	120.0	120.0
36		62.1	93.2	120.0	120.0	96.5	120.0	120.0
42		53.3	79.9	106.5	120.0	82.7	120.0	120.0
48		46.6	69.9	93.2	116.5	72.4	108.6	120.0
30	126	71.0	106.5	120.0	120.0	110.3	120.0	120.0
36		59.2	88.8	118.3	120.0	91.9	120.0	120.0
42		50.7	76.1	101.4	120.0	78.8	118.2	120.0
48		44.4	66.6	88.8	111.0	69.0	103.4	120.0
30	132	67.8	101.7	120.0	120.0	105.3	120.0	120.0
36		56.5	84.7	113.0	120.0	87.8	120.0	120.0
42		48.4	72.6	96.8	120.0	75.2	112.8	120.0
48		42.4	63.5	84.7	105.9	65.8	98.7	120.0

NOTE:
SEE SHEET 3 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 10) SHALL CONTROL FOR
THE ENTIRE ASSEMBLY.
SEE SHEET 9 FOR ANCHOR DESCRIPTION

DESIGN LOAD CAPACITY – PSF (SILL ANCHORS)				
PANEL WIDTH NOMINAL INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS TYPE 'DD'		
		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	131.0	131.0	131.0
36		120.7	131.0	131.0
42		103.4	131.0	131.0
48		90.5	131.0	131.0
54		80.4	117.8	131.0
60		72.4	106.0	131.0
30	102	131.0	131.0	131.0
36		113.6	131.0	131.0
42		97.3	131.0	131.0
48		85.2	127.8	131.0
54		75.7	113.6	131.0
30	108"	128.7	131.0	131.0
36		107.3	131.0	131.0
42		91.9	131.0	131.0
48		80.4	120.7	131.0
30	114	121.9	131.0	131.0
36		101.6	131.0	131.0
42		87.1	130.6	131.0
48		76.2	114.3	131.0
30	119–1/2	116.3	131.0	131.0
36		96.9	131.0	131.0
42		83.1	124.6	131.0
48		72.7	109.1	131.0
30	120	115.8	120.0	120.0
36		96.5	120.0	120.0
42		82.7	120.0	120.0
48		72.4	108.6	120.0
30	126	110.3	120.0	120.0
36		91.9	120.0	120.0
42		78.8	118.2	120.0
48		69.0	103.4	120.0
30	132	105.3	120.0	120.0
36		87.8	120.0	120.0
42		75.2	112.8	120.0
48		65.8	98.7	120.0

NOTE:
1. ANCHOR CAPACITY BASED ON MAX. 1/4" SHIMS
AT HEAD/SILL AND JAMBS.
2. FREE STANDING JAMB (W/O SIDE JAMB ANCHORS)
LIMITED TO 120" MAX. SPAN.

Sealed: 10/15/2026



FL #27914

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

COMP-ANL\21-21F-TG

SERIES-2400ST 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: 03-16-21
scale: -
dr. by: TARIQ
chk. by:

drawing no.
21-21F
sheet 5 of 17

CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY
SEE SHEETS 7 THRU 11 FOR FRAME ANCHOR INSTALLATIONS.

afcc

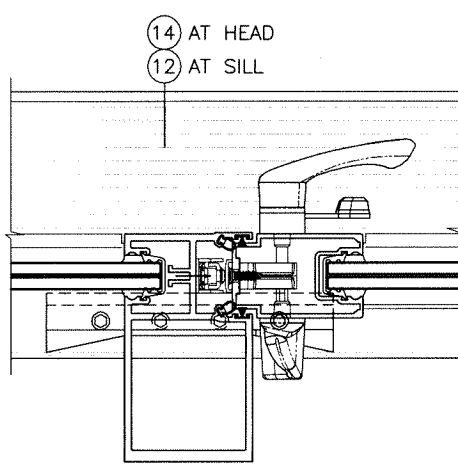
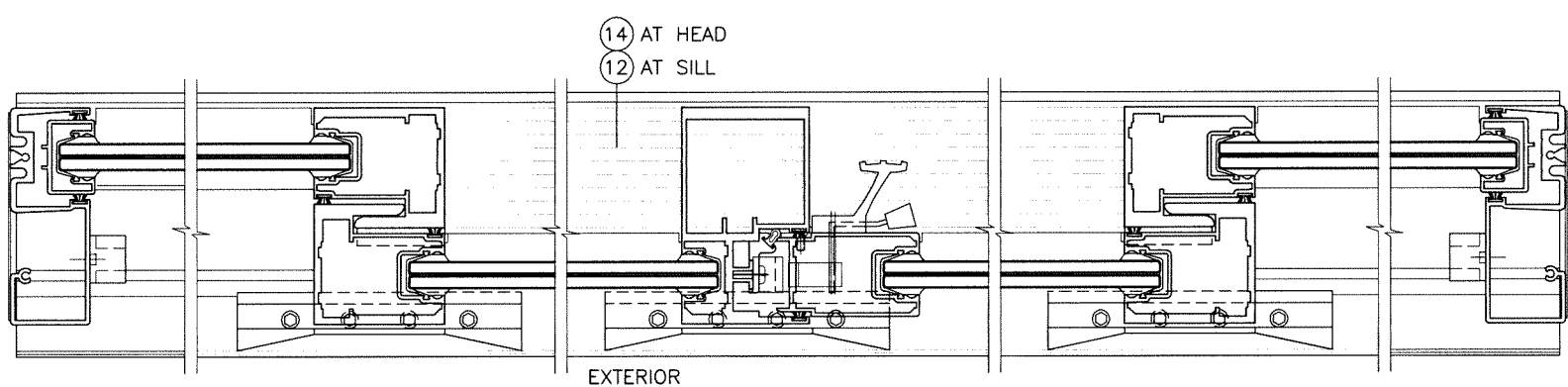
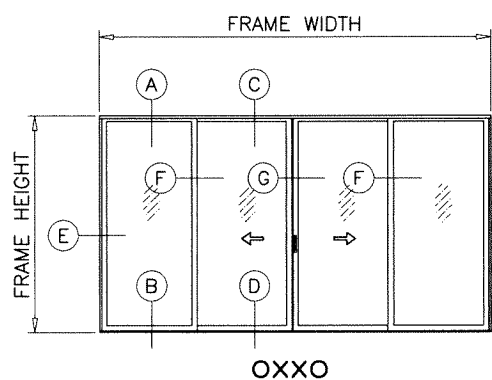
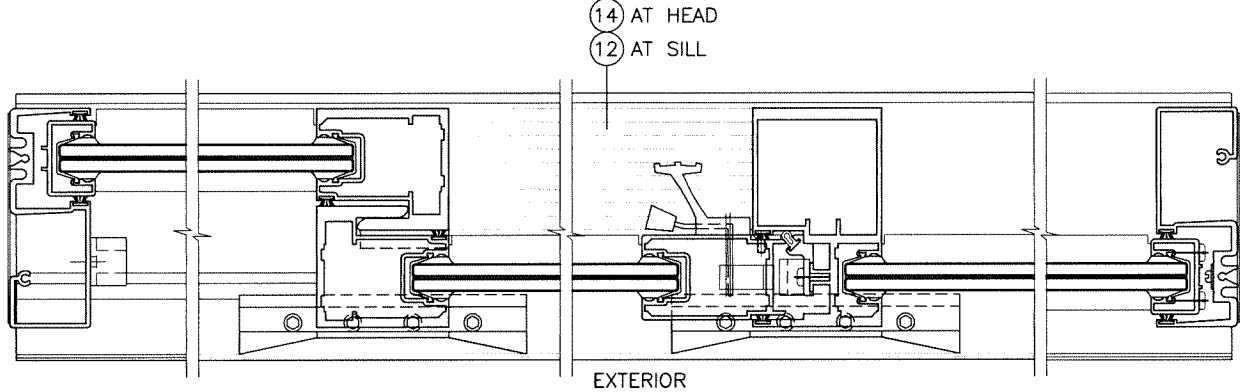
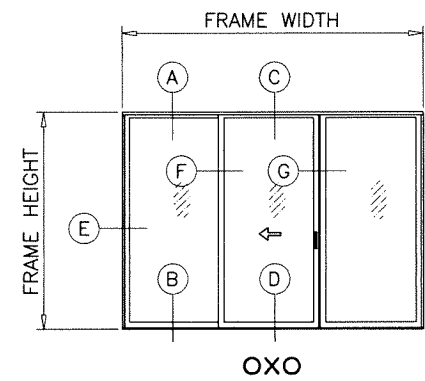
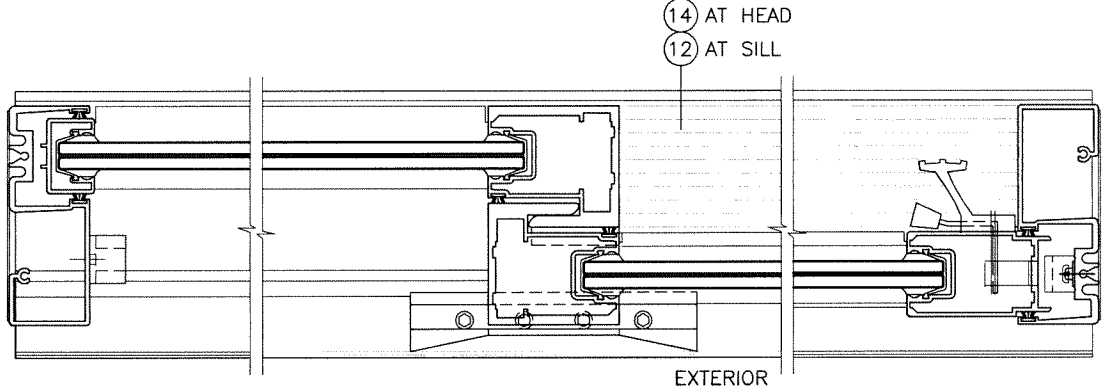
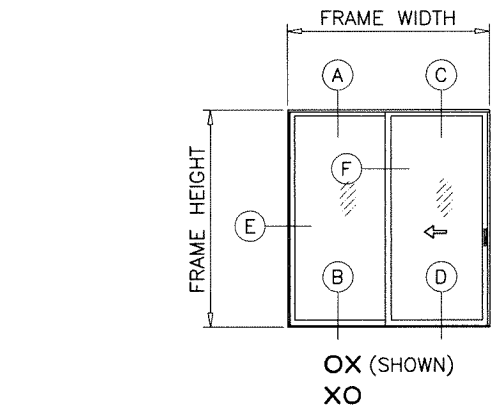
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\21-21F-TG

SERIES-2400ST 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:	03-16-21	scale:	-
dr. by:	TARIQ	chk. by:	
drawing no.		21-21F	
sheet		6 of 17	

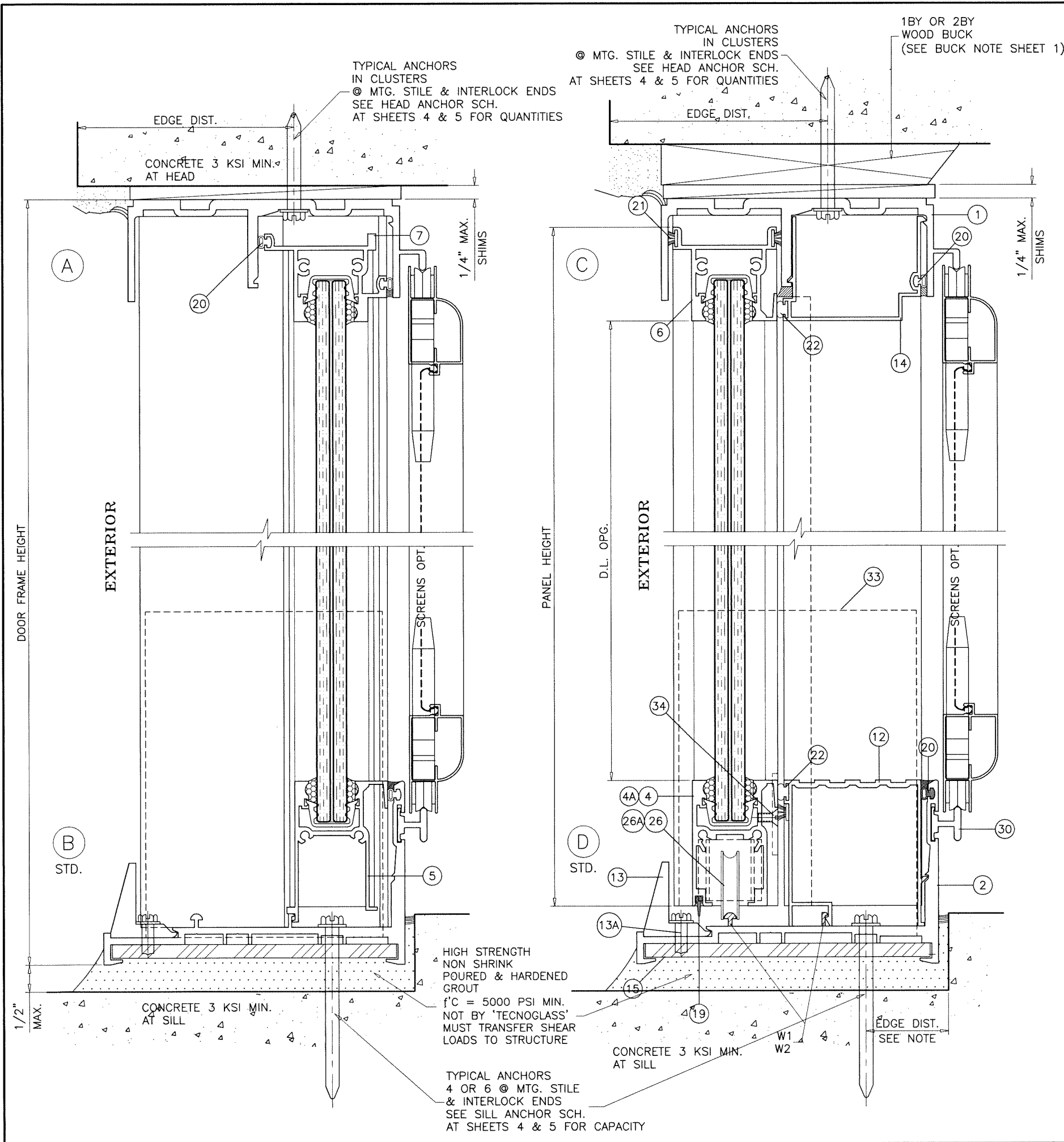


APPROVED CONFIGURATIONS
(4 PANELS OR LESS)

Sealed: 10/15/2026

FL #27914





WEEPS:

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

Sealed: 10/15/2026



FL #27914

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

COMP-ANL\21-21F-TG

SERIES-2400ST 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

21-21F

revisions:	
no	description

date: 03-16-21

scale: 1/2" = 1"

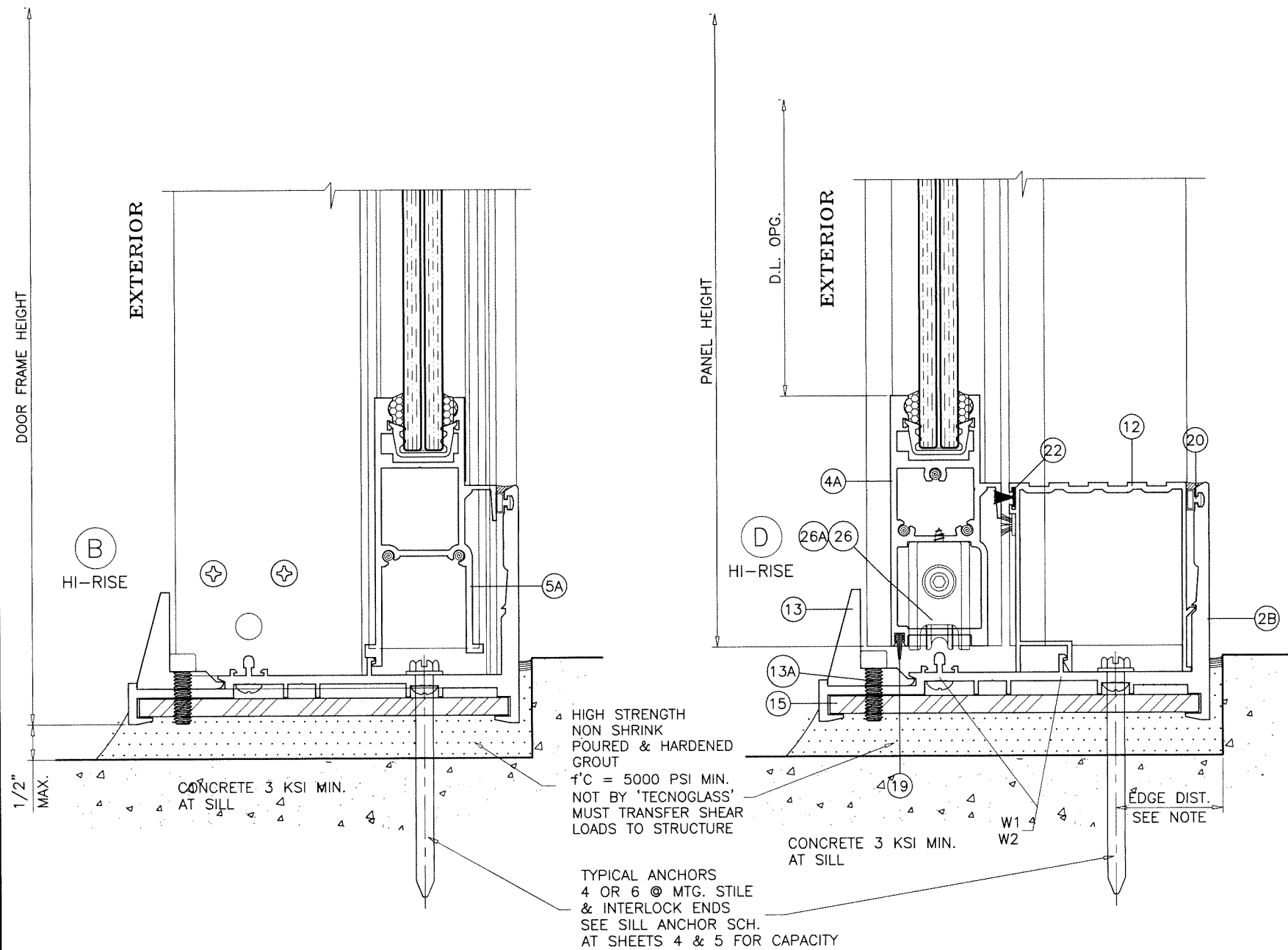
dr. by: TARIQ

chk. by:

drawing no.

21-21F

sheet 7 of 17



Sealed: 10/15/2026



FL #27914

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

afc

COMP-ANL\21-21F-TG

SERIES-2400ST 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

date: 03-16-21

scale: 1/2" = 1"

dr. by: TARIQ

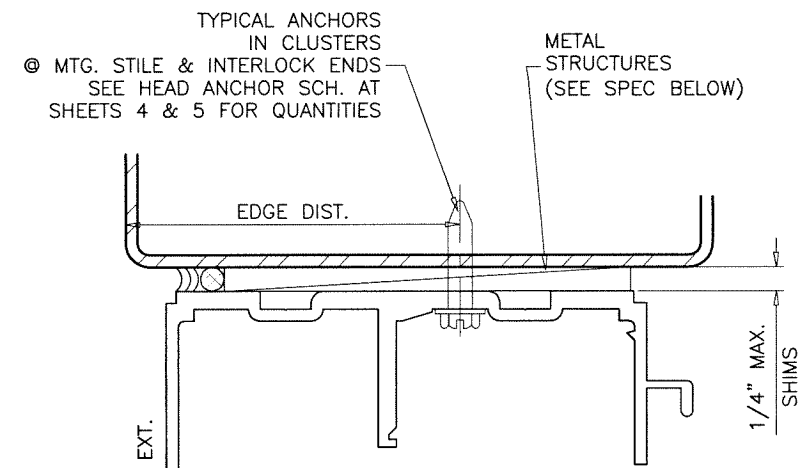
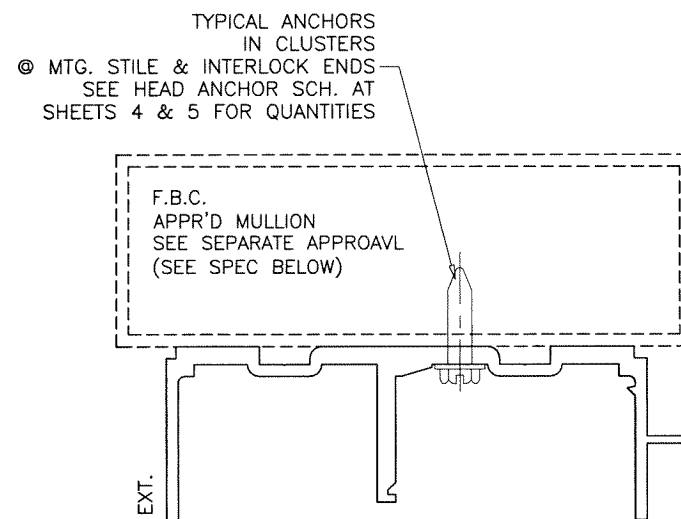
chk. by:

drawing no.

21-21F

sheet 8 of 17

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.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

AT HEAD

TYPE 'A'— 1/4" X 2-3/4" KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE
1-1/4" MIN. CONCRETE EMBEDMENT

TYPE 'B'— 1/4" X 2-3/4" KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
DIRECTLY INTO CONCRETE, 2" MIN. EMBEDMENT

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

AT SILL

TYPE 'D'— 1/4" DIA. KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
DIRECTLY INTO CONCRETE, 2" MIN. EMBEDMENT

AT JAMBS

TYPE 'A'— 1/4" X 2-3/4" KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
THRU 1BY BUCKS INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBEDMENT INTO CONC. OR GROUT-FILLED BLOCKS

TYPE 'A'— 1/4" X 2-3/4" KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
INTO 2BY BUCKS OR WOOD STRUCTURE
1-1/2" MIN. PENETRATION INTO WOOD

TYPE 'B'— 1/4" X 2-3/4" KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
DIRECTLY INTO CONCRETE OR BLOCKS
2" MIN. EMBEDMENT INTO CONC. OR GROUT-FILLED BLOCKS

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

AT HEAD

TYPE 'AA'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE
1-1/4" MIN. CONCRETE EMBEDMENT

TYPE 'BB'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE, 1-3/4" MIN. EMBEDMENT

AT SILL

TYPE 'DD'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE, 1-3/4" MIN. EMBEDMENT

AT JAMBS

TYPE 'AA'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
THRU 1BY BUCKS INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBEDMENT INTO CONC. OR GROUT-FILLED BLOCKS

TYPE 'AA'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
INTO 2BY BUCKS OR WOOD STRUCTURE
1-1/2" MIN. PENETRATION INTO WOOD

TYPE 'BB'— 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE OR BLOCKS
1-3/4" MIN. EMBEDMENT INTO CONC. OR GROUT-FILLED BLOCKS

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

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

Sealed: 10/15/2026



FL #27914

SERIES-2400ST 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

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

COMP-ANL\21-21F-TG

revisions:
no date by description

date: 03-16-21

scale: 1/2" = 1"

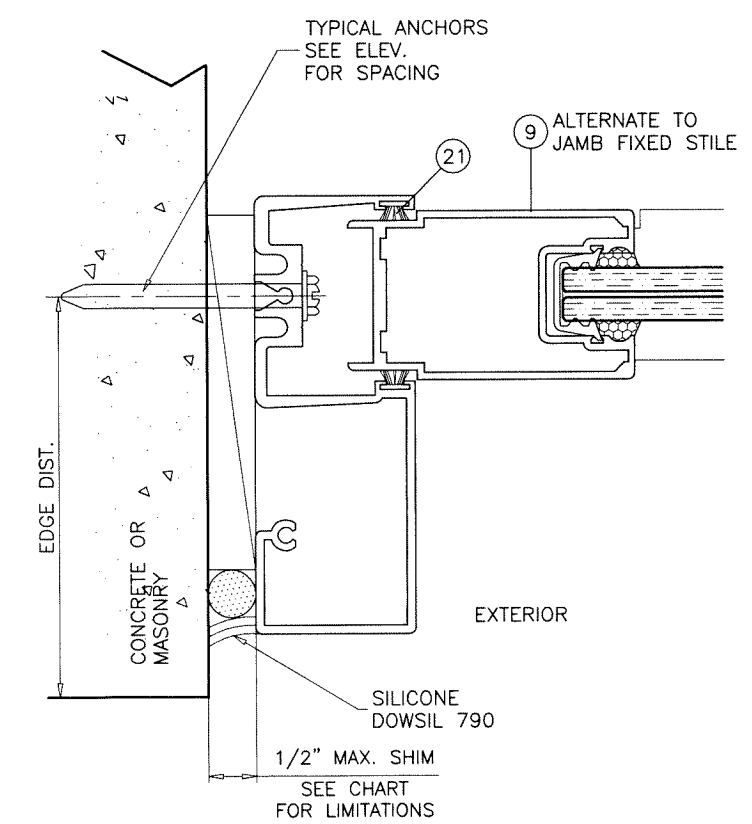
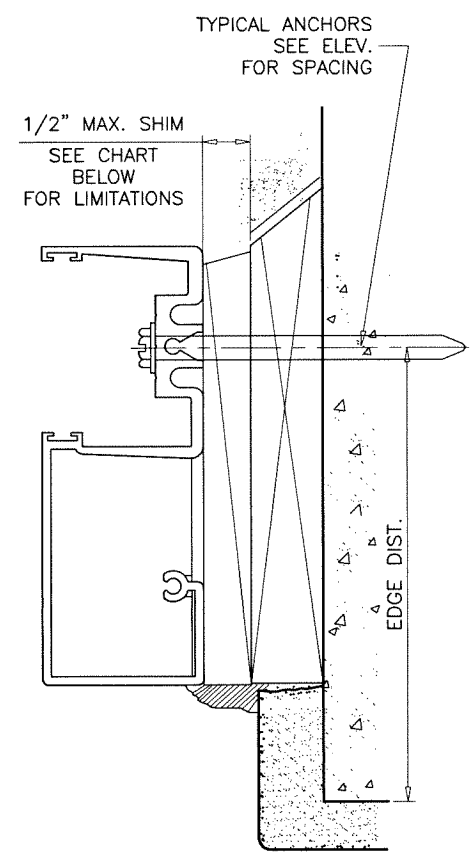
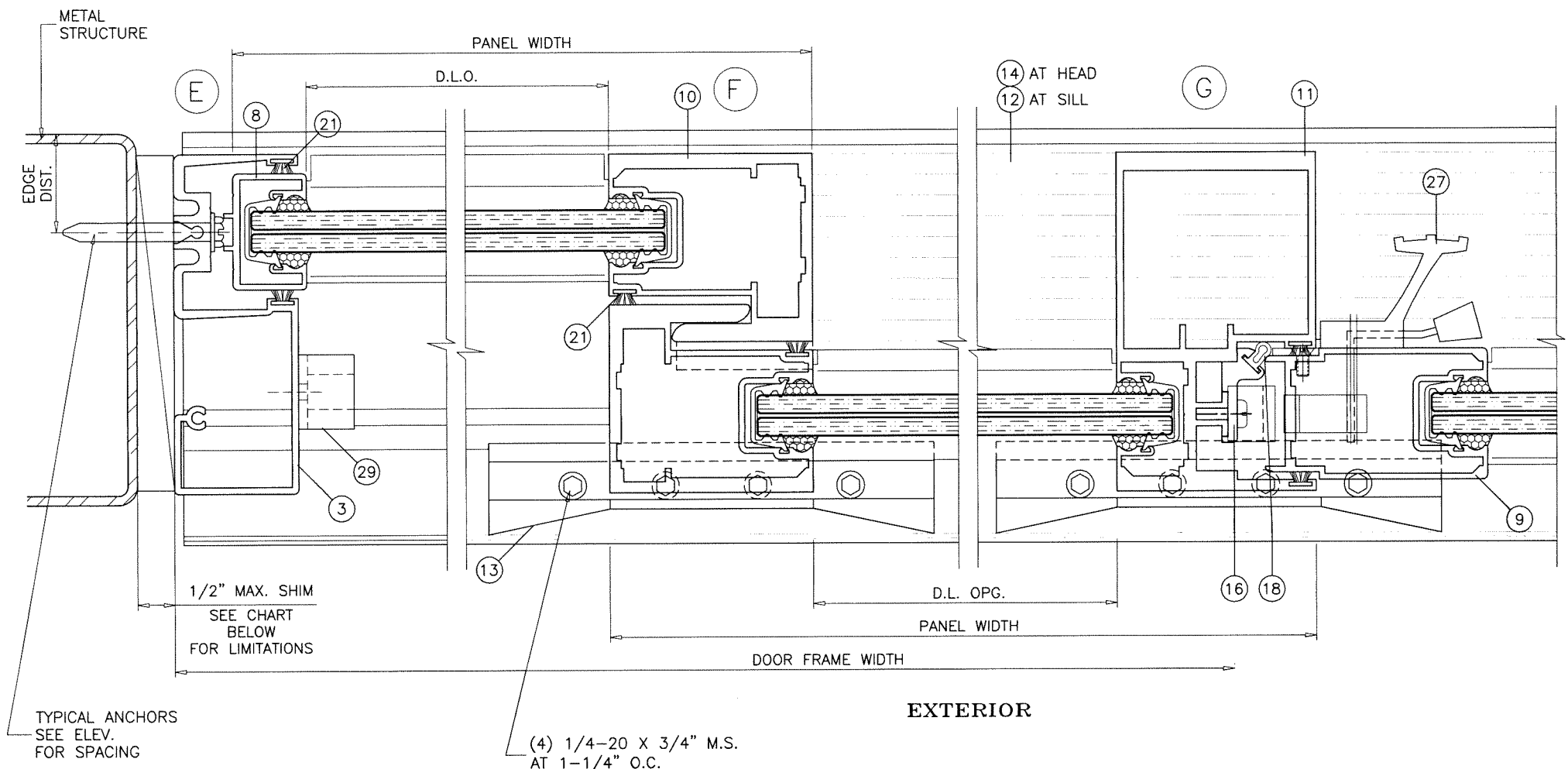
dr. by: TARIQ

chk. by:

drawing no.

21-21F

sheet 9 of 17



ANCHOR TYPES 'A', 'B', 'C'		
LIMIT MAX. DESIGN LOADS AS SHOWN FOR DOORS WITH 1/2" AND 3/8" SHIMS		
PANEL WIDTH NOMINAL INCHES	1/2" SHIMS	3/8" SHIMS
	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	131.0	131.0
36	120.0	131.0
42	102.9	131.0
48	90.0	114.8
54	80.0	102.0
60	72.0	91.8

JAMB ANCHOR CAPACITY WITH SHIM > 1/4"

ANCHOR TYPES 'AA', 'BB'		
LIMIT MAX. DESIGN LOADS AS SHOWN FOR DOORS WITH 1/2" AND 3/8" SHIMS		
PANEL WIDTH NOMINAL INCHES	1/2" SHIMS	3/8" SHIMS
	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30	124.6	131.0
36	103.9	131.0
42	89.0	114.0
48	77.9	99.7
54	69.2	88.6
60	62.3	79.8

JAMB ANCHOR CAPACITY WITH SHIM > 1/4"

NOTE:
THIS CHART TO BE USED IN CONJUNCTION WITH HEAD/SILL ANCHOR CAPACITY (SHEETS 4 & 5), LOWER DESIGN PRESSURE FROM GLASS, HEAD/SILL ANCHOR OR JAMB ANCHOR CHART SHALL CONTROL THE ENTIRE SYSTEM.

Sealed: 10/15/2026



FL #27914

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

COMP-ANL\21-21F-TG

SERIES-2400ST 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

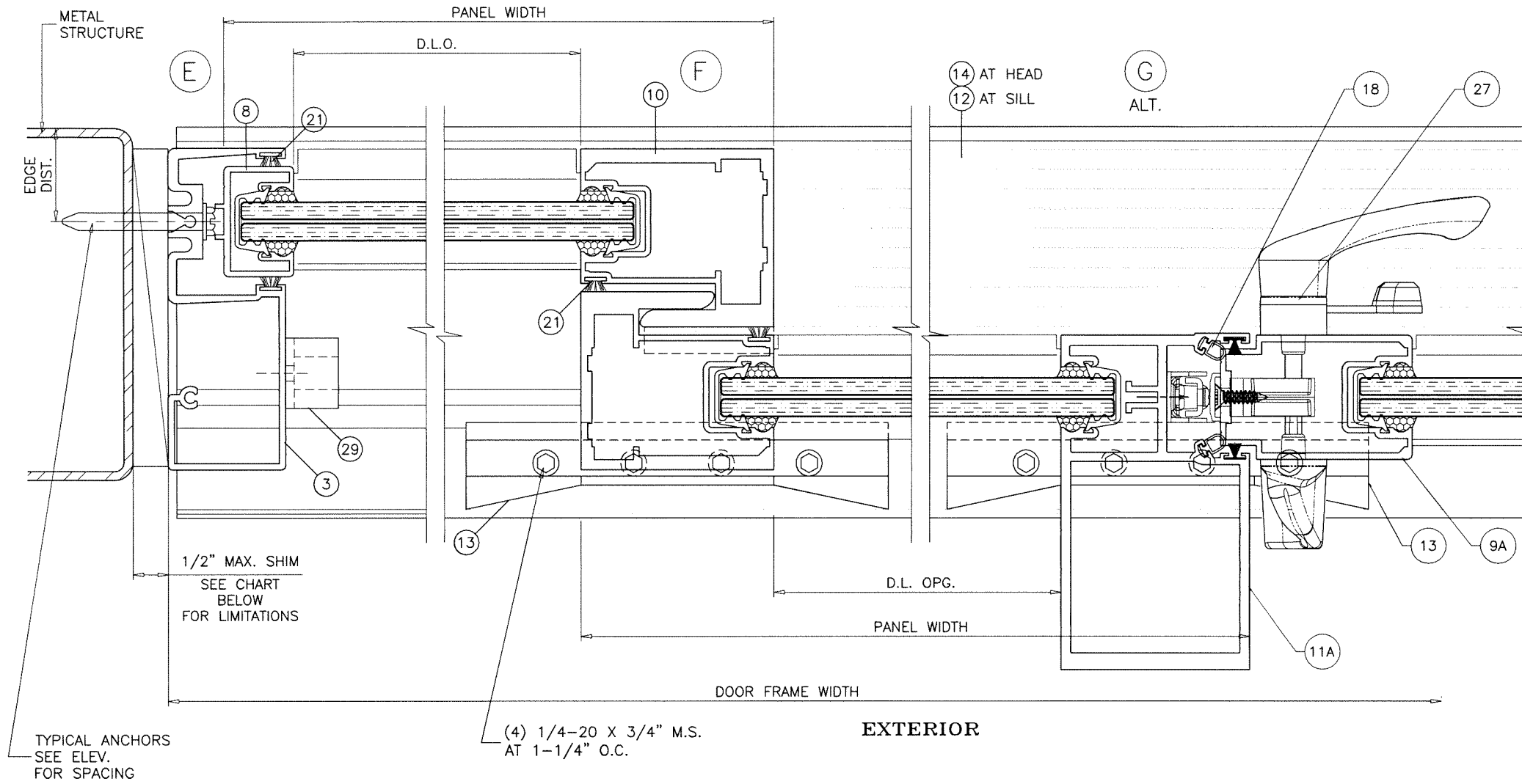
revisions:

no	date	description

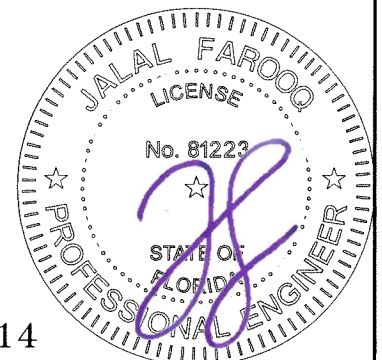
date: 03-16-21
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
21-21F

sheet 10 of 17



Sealed: 10/15/2026

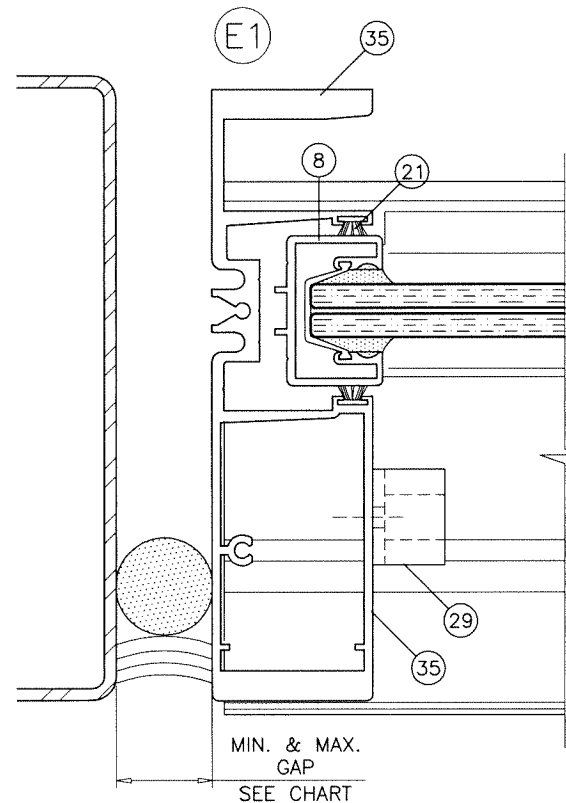


FL #27914

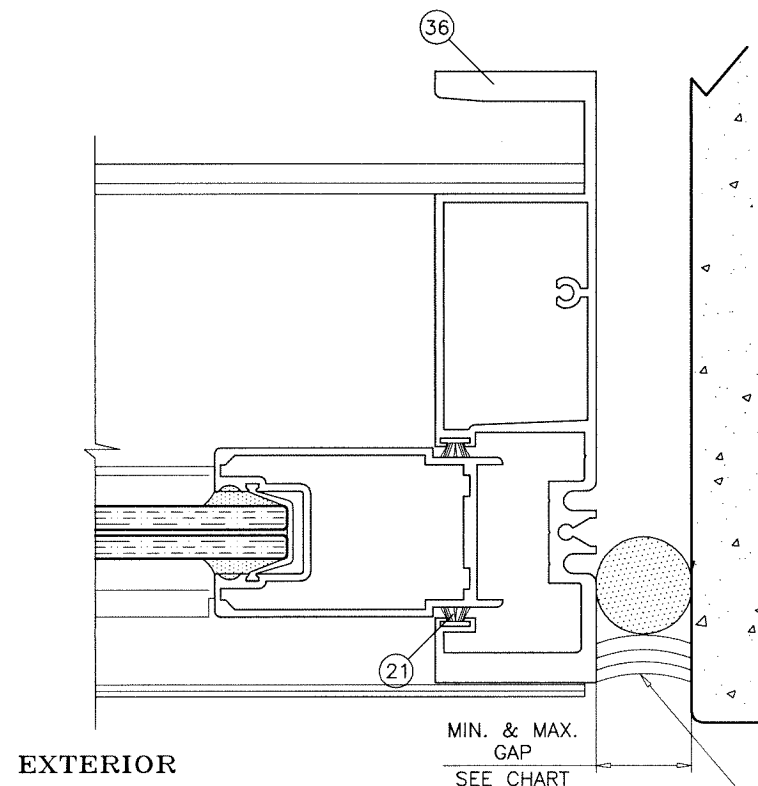
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\21-21F-TG

SERIES-2400ST 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:	03-16-21	scale:	1/2" = 1"
dr. by:	TARIQ	chk. by:	
drawing no.	21-21F	sheet	11 of 17



**FREE STANDING JAMB
FIXED SIDE**



**FREE STANDING JAMB
OPERABLE SIDE**

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

Sealed: 10/15/2026



FL #27914

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

af c

COMP-ANL\21-21F-TG

SERIES-2400ST 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: 03-16-21

scale: 1/2" = 1"

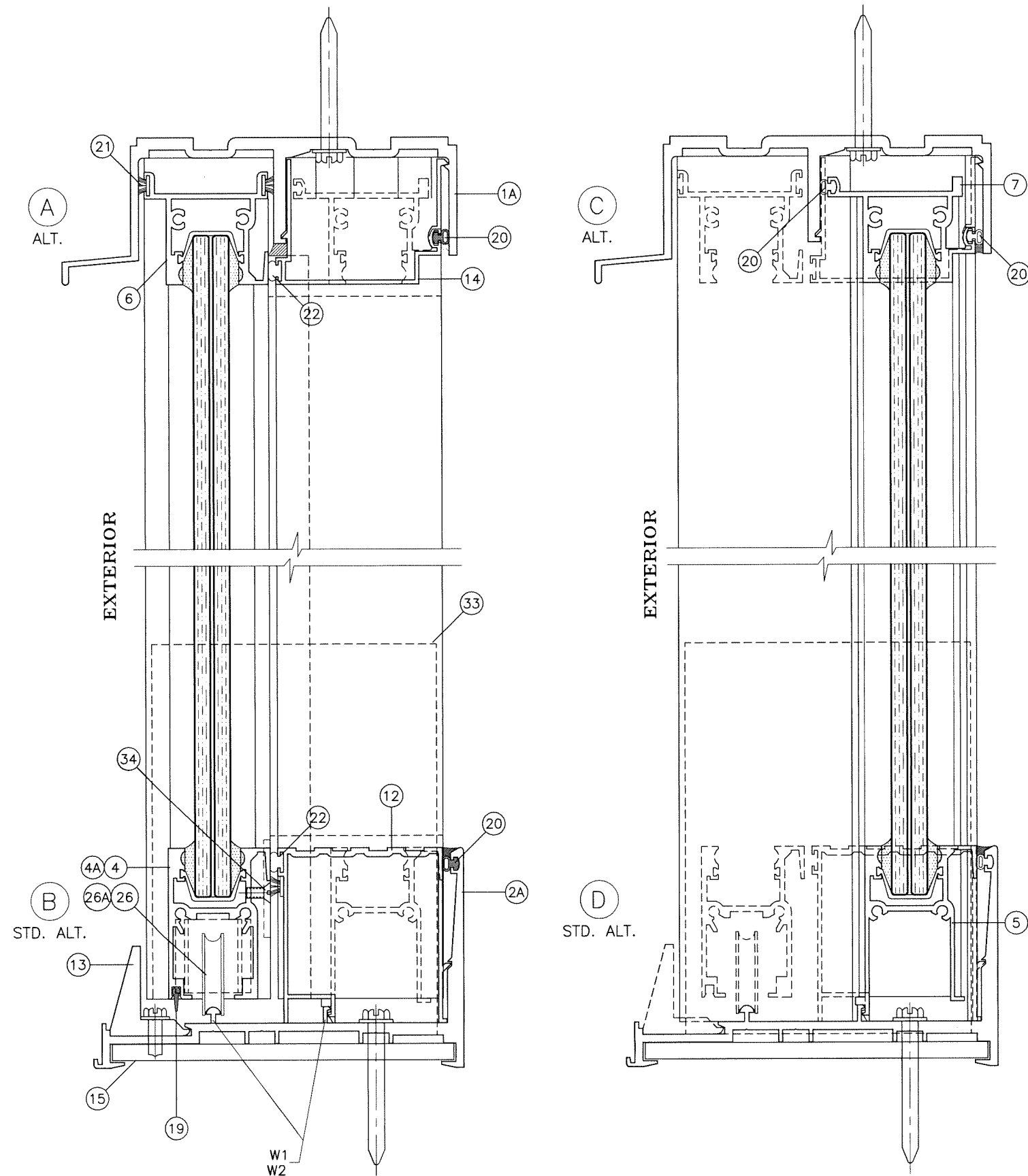
dr. by: TARIQ

chk. by:

drawing no.

21-21F

Sheet 12 of 17

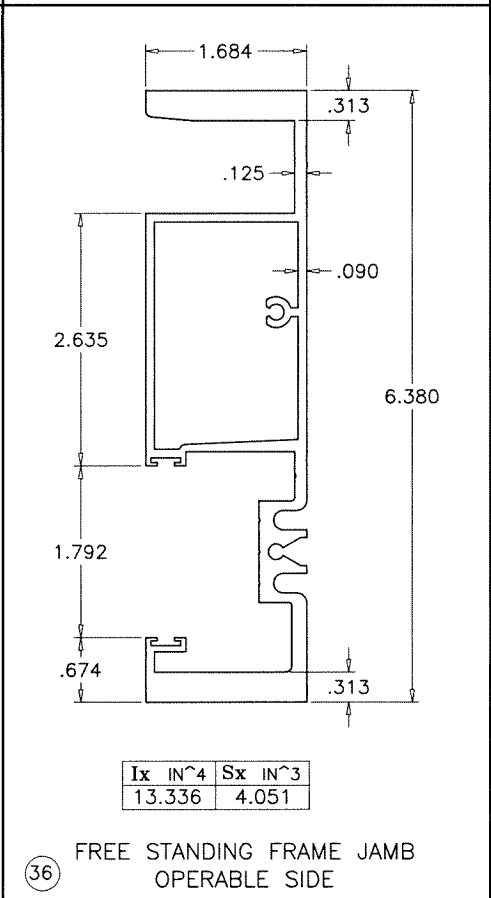
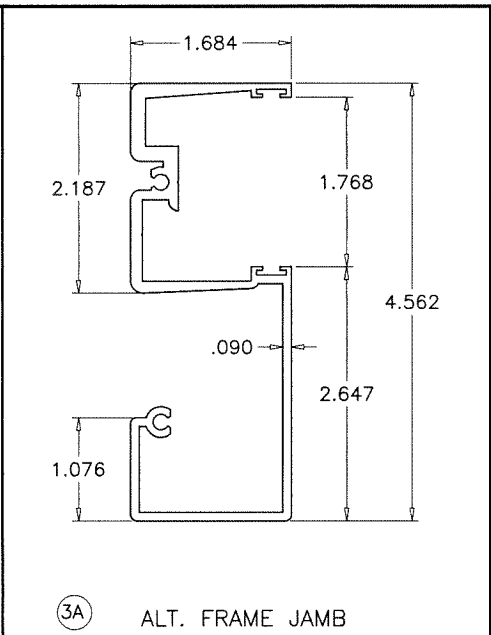
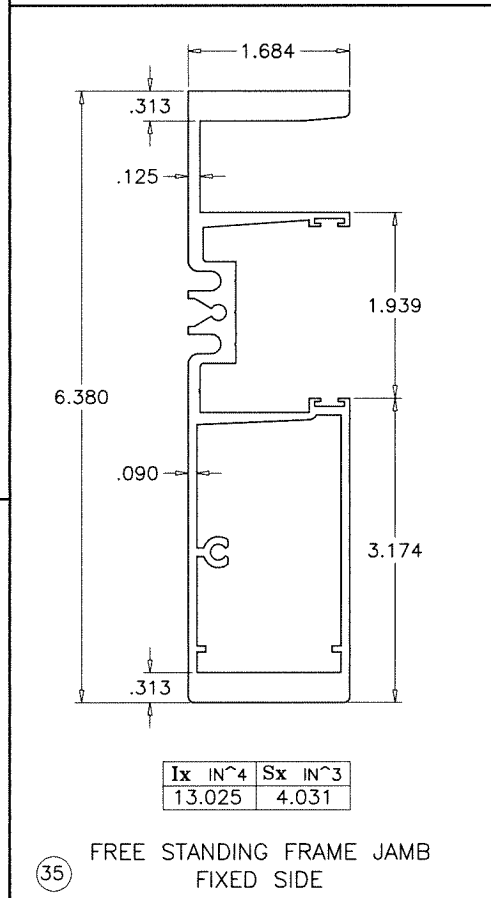
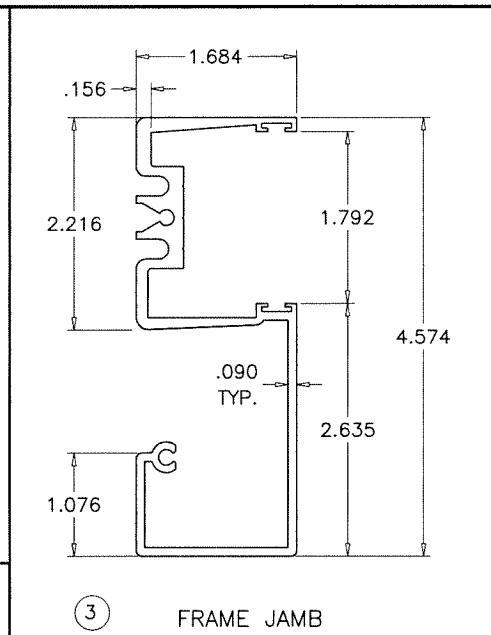
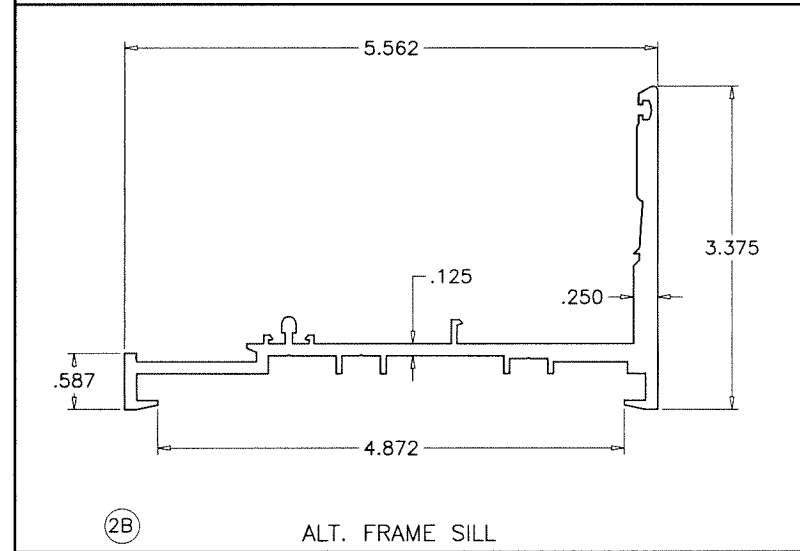
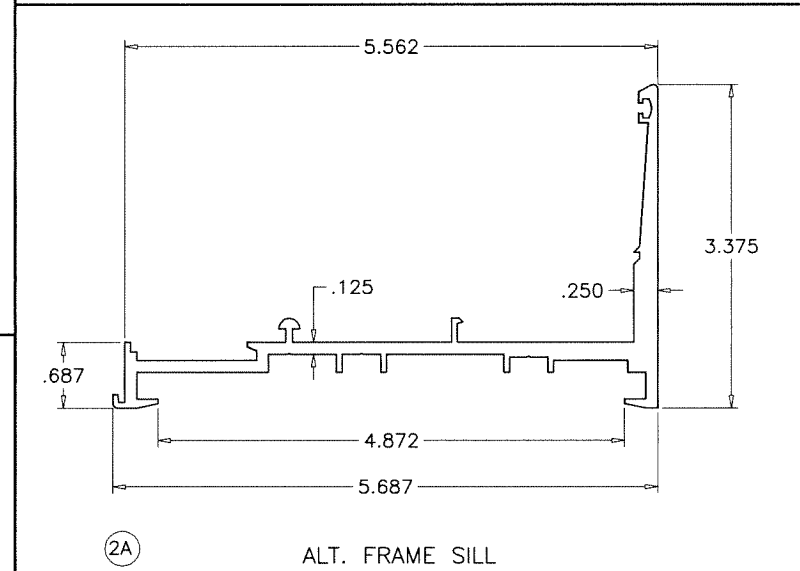
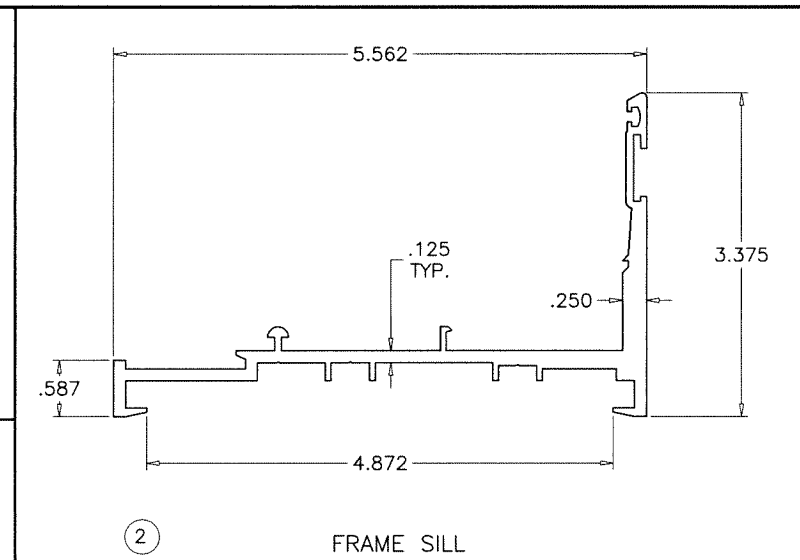
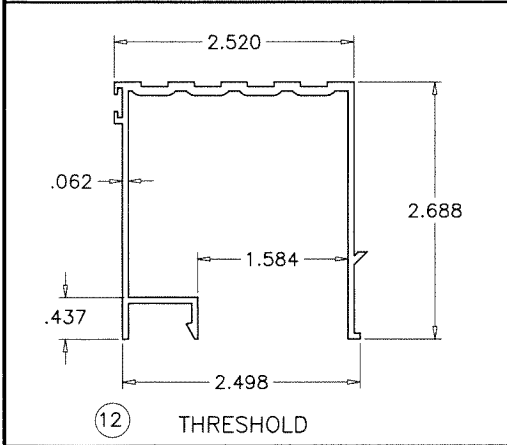
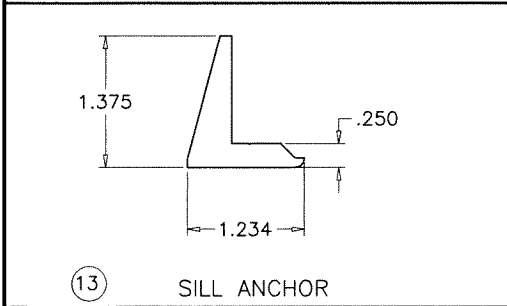
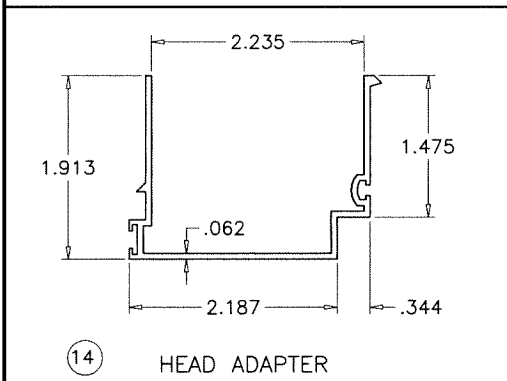
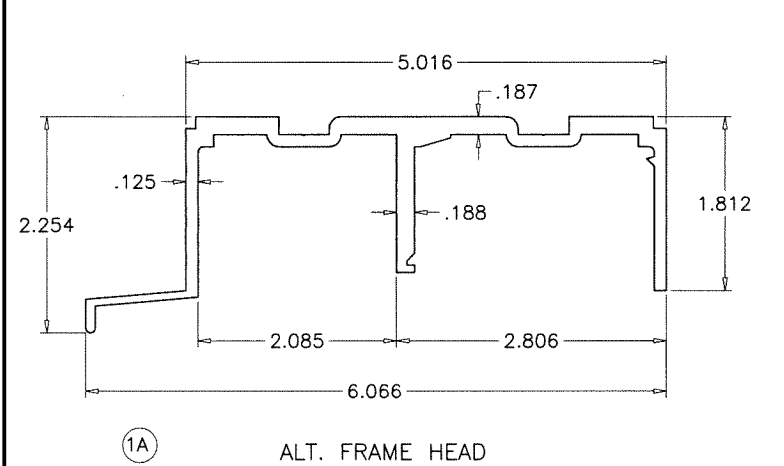
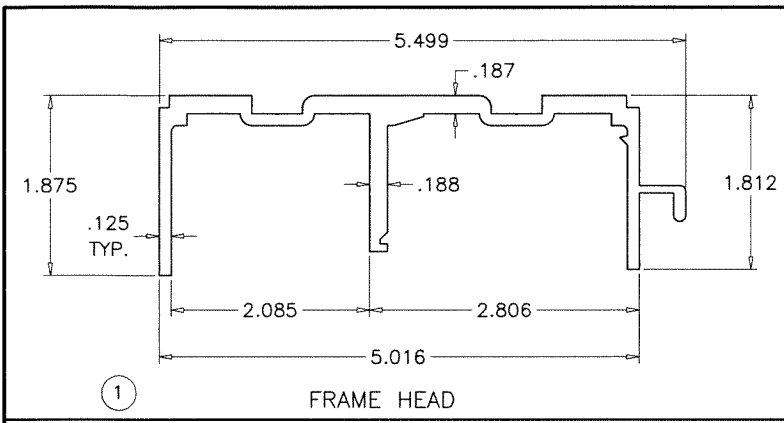


Sealed: 10/15/2026

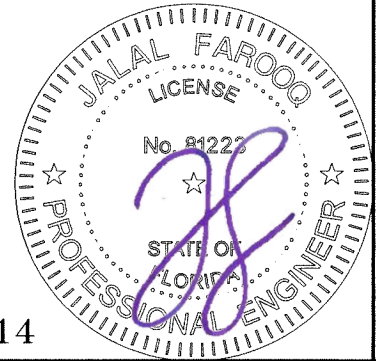


ILLUSTRATED ALTERNATE DOOR FRAMES

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 7 THRU 11.



Sealed: 10/15/2026



FL #27914

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

COMP-ANL\21-21F-TG

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

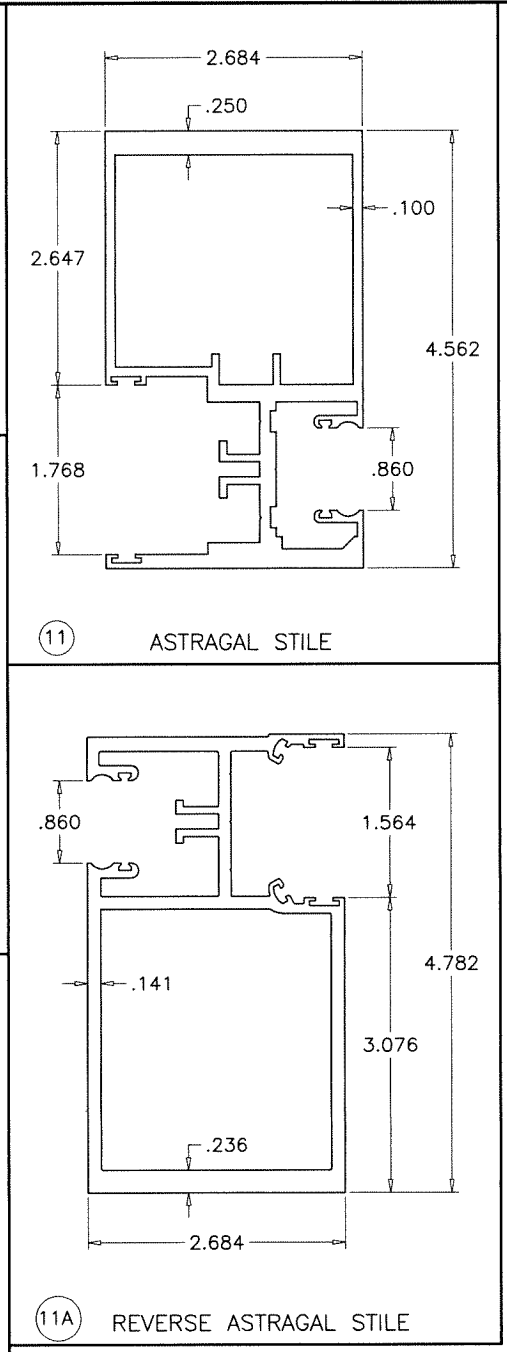
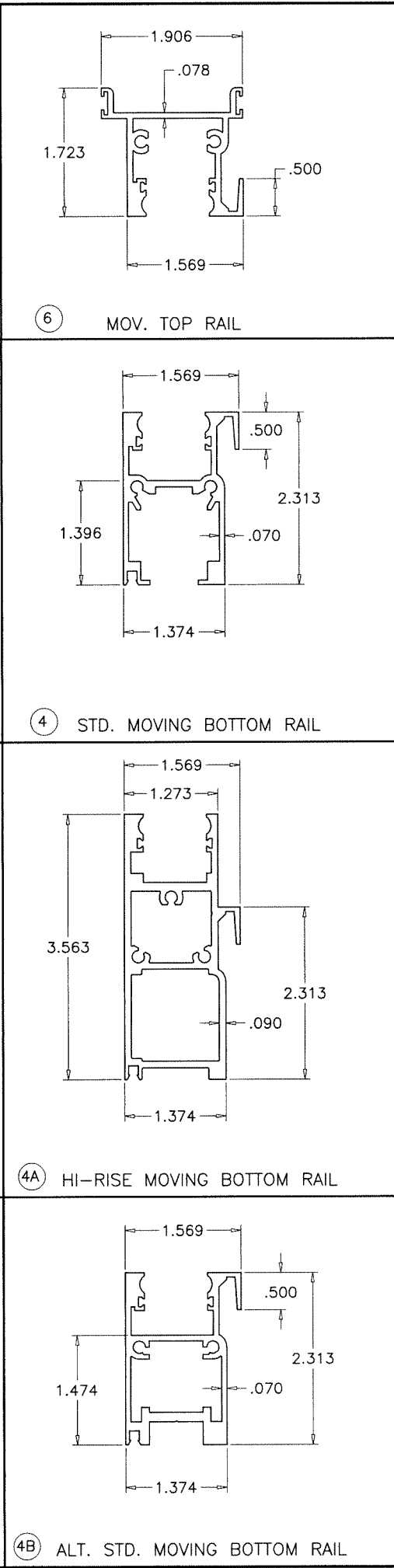
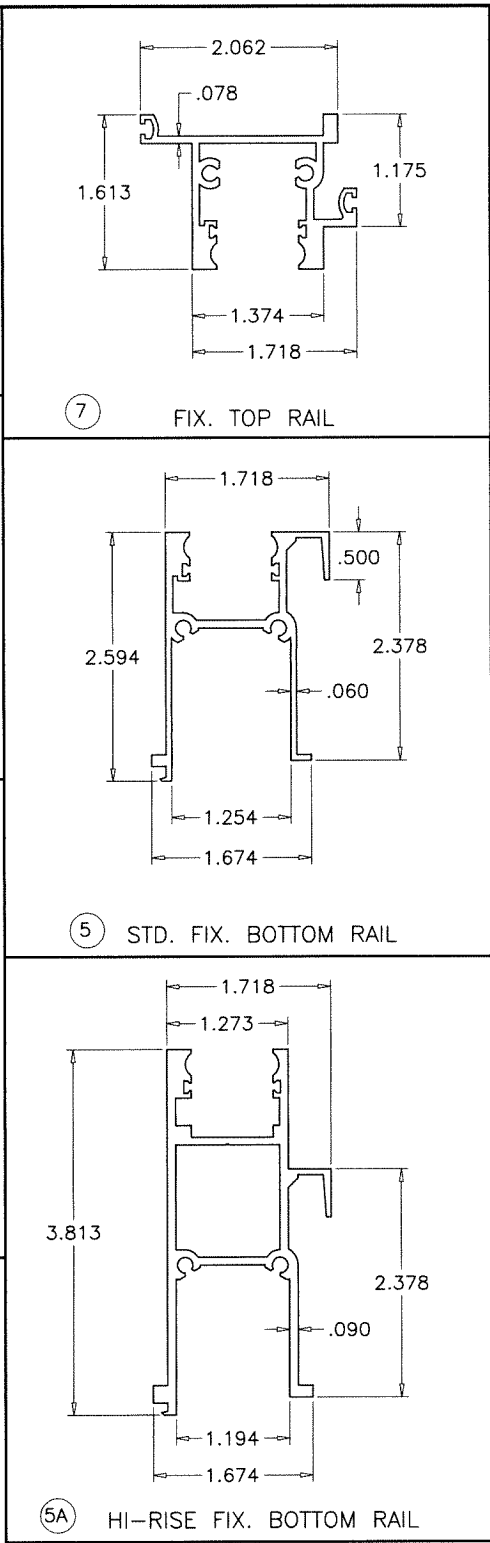
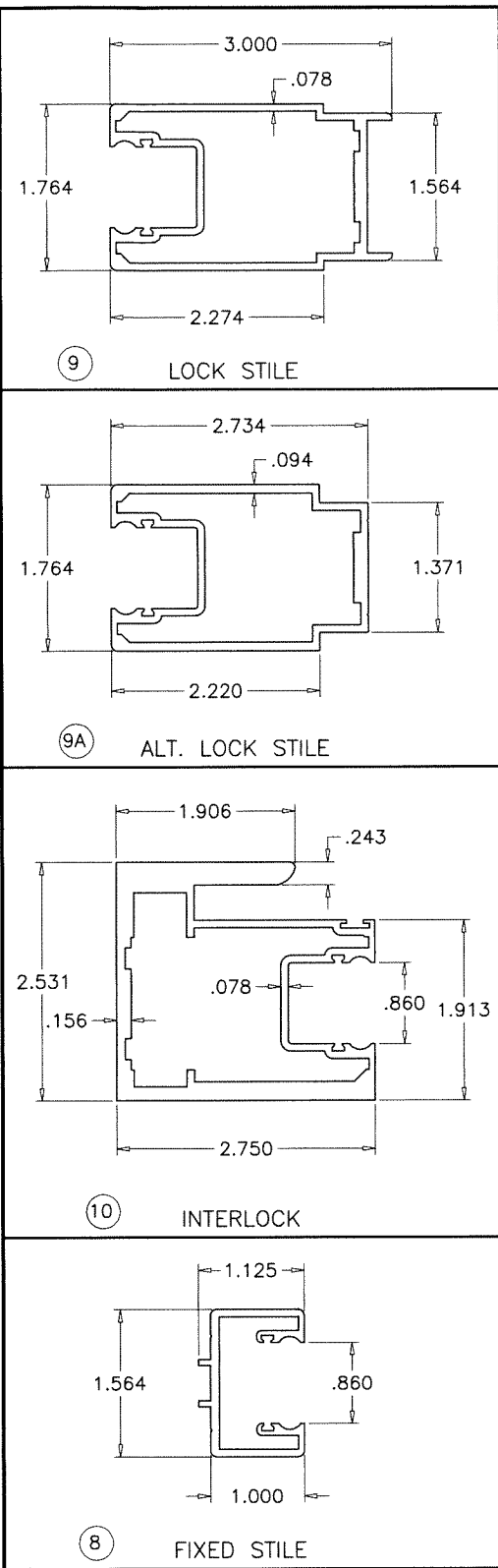
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

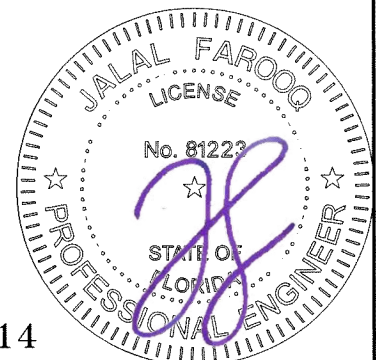
no	date	by	description

date: 03-16-21
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
21-21F
sheet 14 of 17



Sealed: 10/15/2026



FL #27914

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

COMP-ANL\21-21F-TG

SERIES-2400ST 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

date: 03-16-21

scale: 1/2" = 1"

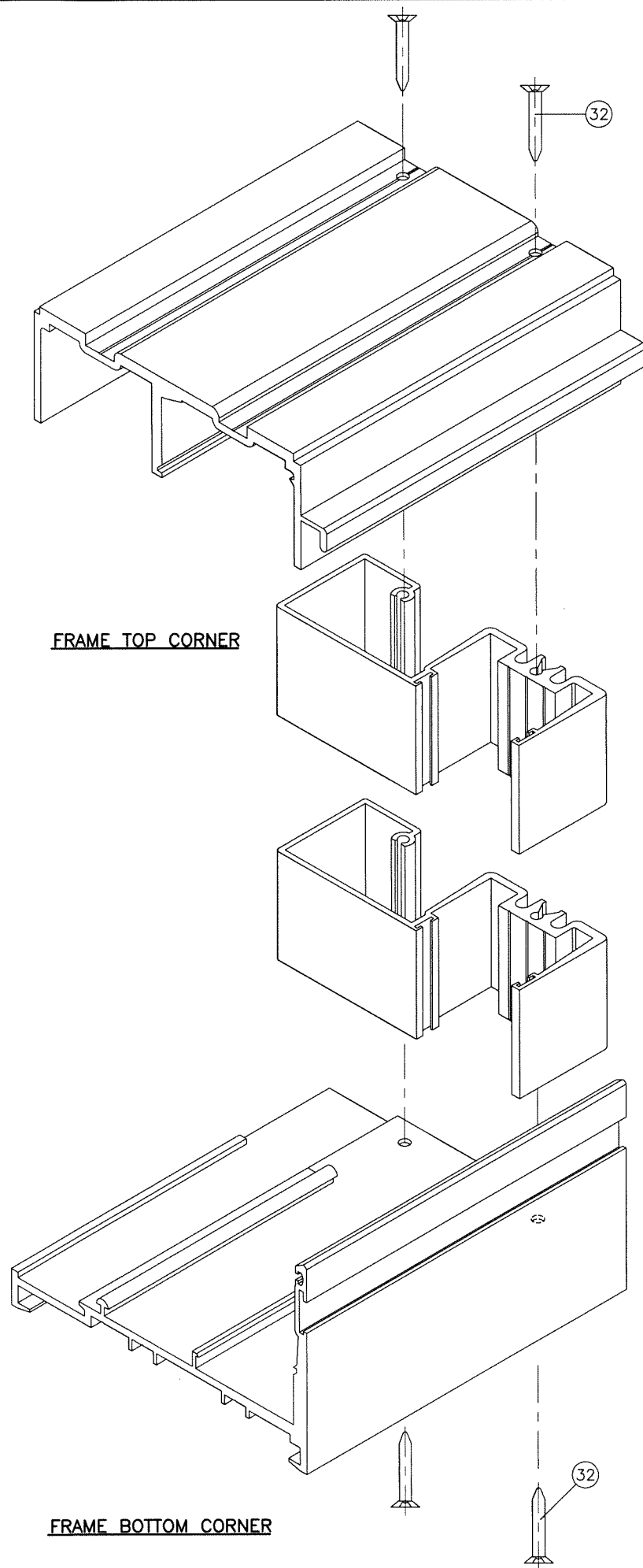
dr. by: TARIQ

chk. by:

drawing no.

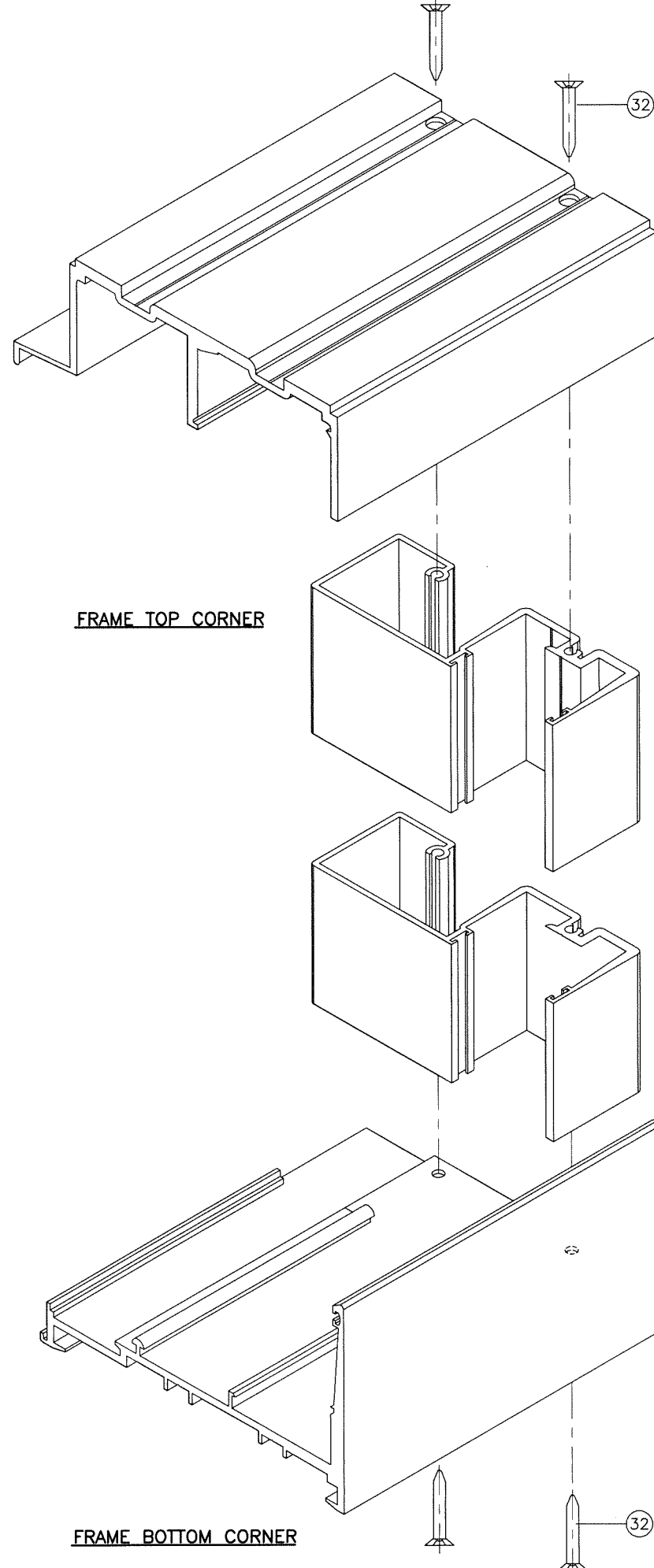
21-21F

Sheet 15 of 17



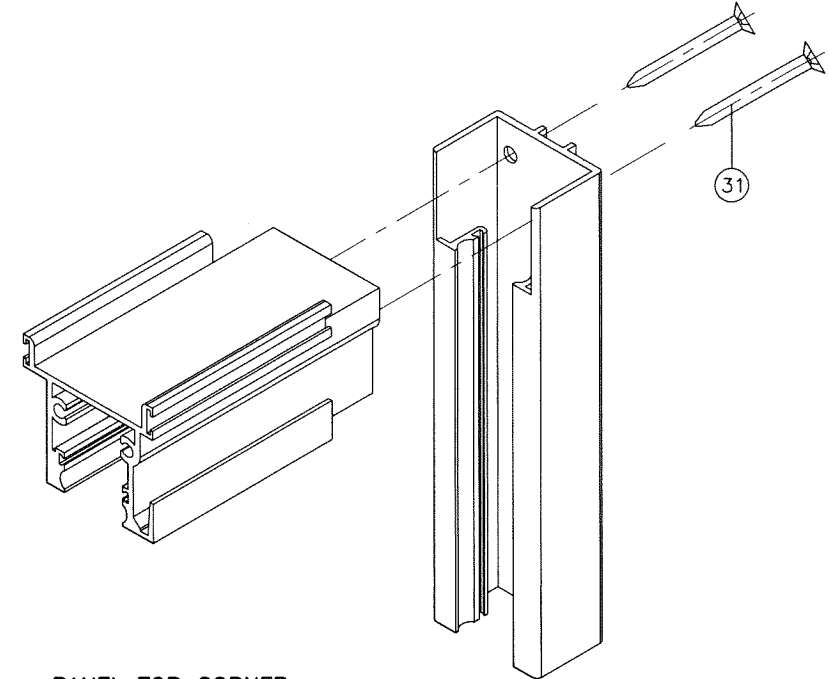
FRAME TOP CORNER

FRAME BOTTOM CORNER

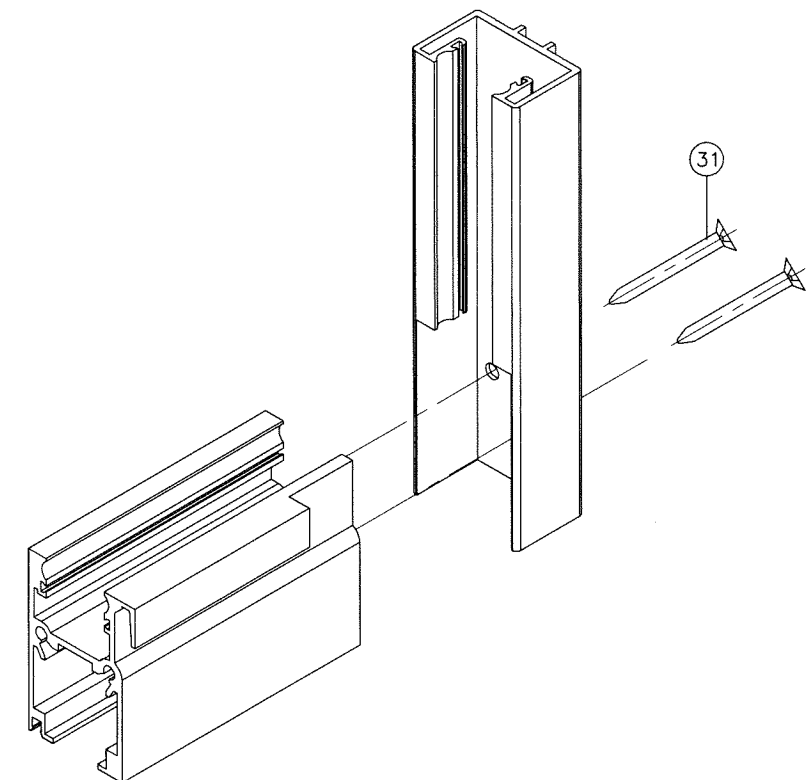


FRAME TOP CORNER

FRAME BOTTOM CORNER



PANEL TOP CORNER



PANEL BOTTOM CORNER

Sealed: 10/15/2026

FL #27914



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

af c
COMP-ANL\21-21F-TG

SERIES-2400ST 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: 03-16-21
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.

21-21F

sheet 17 of 17