

ES-LS7035-13

LIFT & SLIDE ALUMINUM GLASS DOOR (S.M.I.)

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH F.B.C.
APPR'D SMALL MISSILE IMPACT RESISTANT WINDOW WALL SYSTEM.
LOWER DESIGN PRESSURE FROM DOOR OR WINDOW WALL APPROVAL
WILL APPLY TO ENTIRE SYSTEM.

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).

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.

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.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND PRESSURE REQUIREMENTS BASED
ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING
APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEETS 4 THRU 7 FOR GLASS DESIGN
LOAD CAPACITY.
- STEP 3** USING CHARTS ON SHEETS 8 THRU 15 SELECT ANCHOR
OPTION WITH DESIGN LOAD CAPACITY MORE THAN DESIGN
LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 4** THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 THAT
EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU
STEP 1 SHALL APPLY TO ENTIRE SYSTEM.
- STEP 5** FOR UNANCHORED JAMBS, USING SHEETS 22 AND 23,
DETERMINE THE MIN. & MAX. GAP DIMENSIONS.
- STEP 6** WHEN USING THIS SYSTEM WITH WINDOW WALL, THE
LOWER VALUE OF THE DESIGN PRESSURE RATING FOR
THE SYSTEM AND THE DOOR SHALL APPLY.

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

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.

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.

SMALL MISSILE IMPACT

Sealed: 9/24/2026

FL #29516

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
WWW.AFCENG.COM
FBPE #3538
COMP-ANL\20-46F-ES

ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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

revisions:

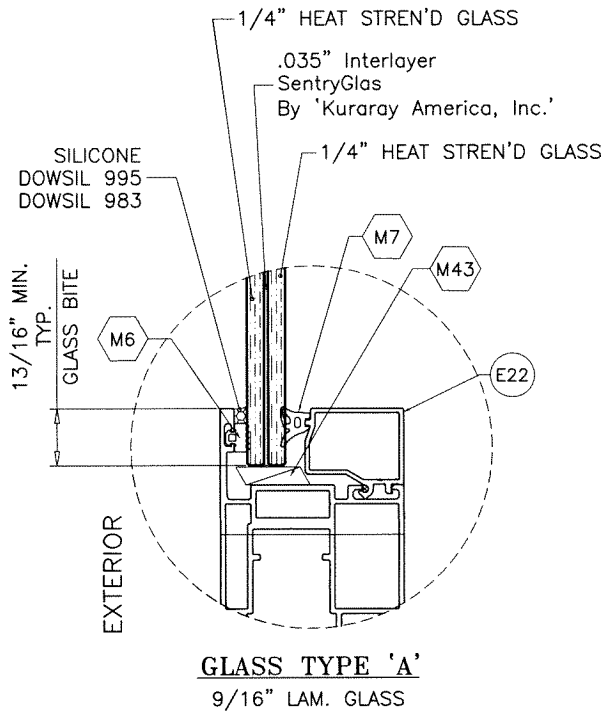
no	date	by	description
A	12.10.20		UPDATED TO 2020 FBC
B	09.19.23		UPDATED TO 2023 FBC
C	02.17.25		PRODUCT SERIES REVISED
D	10.20.25		GENERAL REVISION
E	09.24.26		UPDATED TO 2026 FBC

date: 05-14-20
scale: 3/8"=1'-0"
dr. by: TARIQ
chk. by:

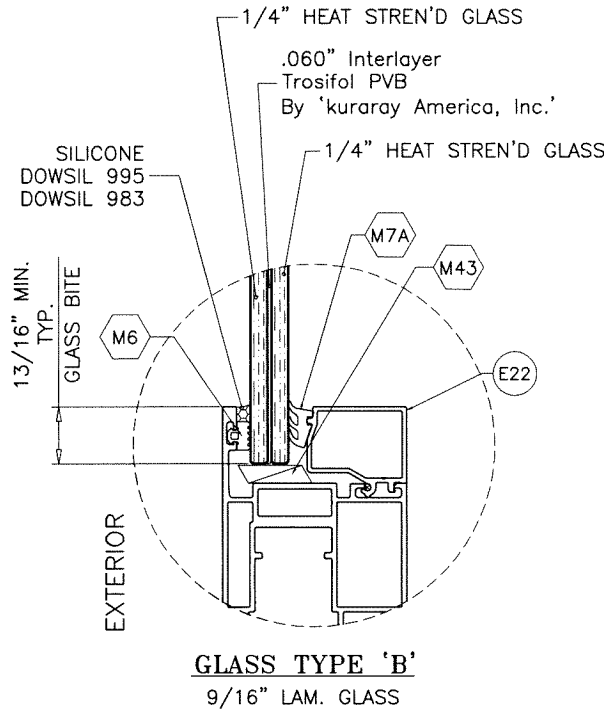
drawing no.
20-46F
sheet 1 of 32

GLASS LOAD CAPACITY - PSF (2, 3 & 4 TRACK DOORS)			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPE 'A'	
		EXT.(+)	INT.(-)
48	96	120.0	120.0
54		120.0	120.0
60		120.0	120.0
66		120.0	120.0
72		120.0	120.0
78		120.0	120.0
80		120.0	120.0
48	108	120.0	120.0
54		120.0	120.0
60		120.0	120.0
66		120.0	120.0
48	124	120.0	120.0
54		120.0	120.0
60		120.0	120.0
62-1/4		120.0	120.0

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



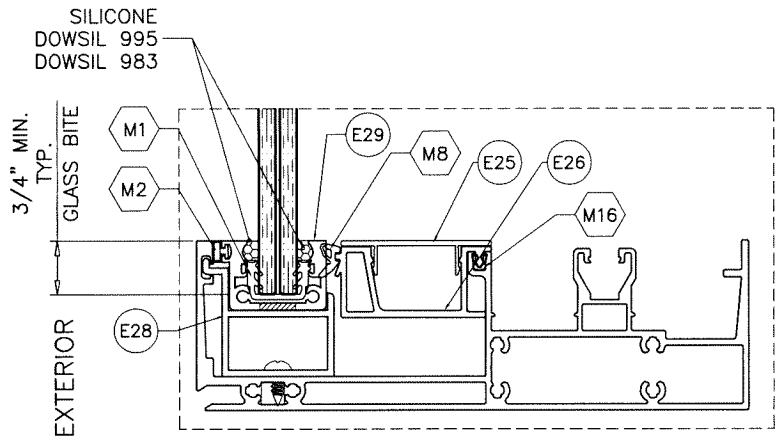
GLAZING DETAIL AT MOVING PANEL



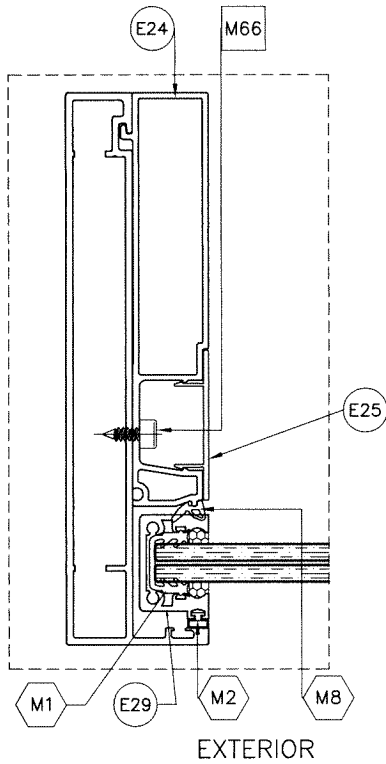
GLAZING DETAIL AT MOVING PANEL

GLASS LOAD CAPACITY - PSF (2, 3 & 4 TRACK DOORS)			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPE 'B'	
		EXT.(+)	INT.(-)
48	96	80.0	80.0
54		80.0	80.0
60		80.0	80.0
66		80.0	80.0
72		80.0	80.0
78		80.0	80.0
80		80.0	80.0
48	108	80.0	80.0
54		80.0	80.0
60		80.0	80.0
66		80.0	80.0
48	124	80.0	80.0
54		80.0	80.0
60		80.0	80.0
62-1/4		80.0	80.0

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



GLAZING DETAIL AT FIXED PANEL
9/16" LAM. GLASS



Sealed: 9/24/2026

GLASS
LAMINATED



FL #29516

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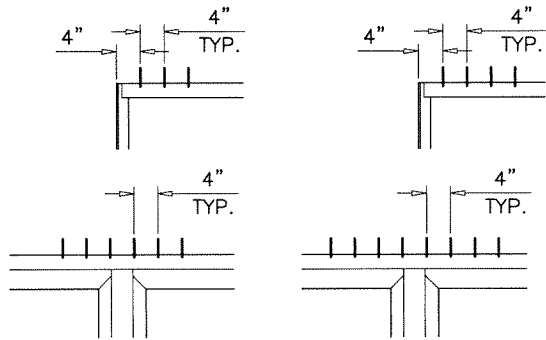
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sheet 4 of 32

HEAD/SILL ANCHOR LOAD CAPACITY – PSF (WITHOUT RECEPTOR) EXT.(+) & INT.(–)									
NOMINAL DIMS.		ANCHOR TYPE 'A'							
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	3/8" MAX. SHIMS		1/2" MAX. SHIMS		5/8" MAX. SHIMS		3/4" MAX. SHIMS	
		A3	A4	A3	A4	A3	A4	A3	A4
36"	84"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	119.7	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	116.6	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	114.8	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	114.5	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	114.2	120.0
36"	96"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	116.6	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	108.2	120.0
60"		120.0	120.0	120.0	120.0	119.8	120.0	101.8	120.0
66"		120.0	120.0	120.0	120.0	114.1	120.0	96.9	120.0
72"		120.0	120.0	120.0	120.0	109.8	120.0	93.3	120.0
78"		120.0	120.0	120.0	120.0	106.7	120.0	90.6	120.0
80"		120.0	120.0	120.0	120.0	105.9	120.0	89.9	119.9
84"		120.0	120.0	120.0	120.0	104.6	120.0	88.8	118.5
36"	108"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	110.3	120.0
48"		120.0	120.0	120.0	120.0	117.6	120.0	99.9	120.0
54"		120.0	120.0	120.0	120.0	108.4	120.0	92.1	120.0
60"		120.0	120.0	120.0	120.0	101.4	120.0	86.1	114.8
66"		120.0	120.0	116.4	120.0	95.8	120.0	81.4	108.5
72"		120.0	120.0	111.1	120.0	91.5	120.0	77.7	103.6
78"		120.0	120.0	107.0	120.0	88.1	117.5	74.9	99.8
80"		120.0	120.0	105.9	120.0	87.2	116.3	74.1	98.8
84"		120.0	120.0	103.9	120.0	85.6	114.1	72.7	96.9
36"	120"	120.0	120.0	120.0	120.0	120.0	120.0	109.7	120.0
42"		120.0	120.0	120.0	120.0	114.1	120.0	96.9	120.0
48"		120.0	120.0	120.0	120.0	102.9	120.0	87.5	116.6
54"		120.0	120.0	114.7	120.0	94.5	120.0	80.2	107.0
60"		120.0	120.0	106.7	120.0	87.8	117.1	74.6	99.5
66"		120.0	120.0	100.3	120.0	82.6	110.1	70.2	93.6
72"		120.0	120.0	95.3	120.0	78.4	104.6	66.6	88.8
78"		115.7	120.0	91.2	120.0	75.1	100.1	63.8	85.0
80"		114.2	120.0	90.0	120.0	74.1	98.8	63.0	84.0
84"		111.6	120.0	87.9	117.2	72.4	96.5	61.5	82.0
36"	132"	120.0	120.0	120.0	120.0	115.6	120.0	98.2	120.0
42"		120.0	120.0	120.0	120.0	101.7	120.0	86.4	115.2
48"		120.0	120.0	111.1	120.0	91.5	120.0	77.7	103.6
54"		120.0	120.0	101.6	120.0	83.7	111.5	71.1	94.8
60"		119.4	120.0	94.1	120.0	77.5	103.3	65.8	87.8
66"		111.9	120.0	88.2	117.6	72.6	96.8	61.7	82.2
72"		105.8	120.0	83.4	111.1	68.6	91.5	58.3	77.7
78"		100.8	120.0	79.4	105.9	65.4	87.2	55.6	74.1
80"		99.3	120.0	78.3	104.4	64.4	85.9	54.8	73.0
84"		96.7	120.0	76.2	101.6	62.7	83.7	53.3	71.1

HEAD/SILL ANCHOR LOAD CAPACITY – PSF (WITHOUT RECEPTOR) EXT.(+) & INT.(–)									
NOMINAL DIMS.		ANCHOR TYPE 'A'							
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	3/8" MAX. SHIMS		1/2" MAX. SHIMS		5/8" MAX. SHIMS		3/4" MAX. SHIMS	
		A3	A4	A3	A4	A3	A4	A3	A4
36"	144"	120.0	120.0	120.0	120.0	104.6	120.0	88.8	118.5
42"		120.0	120.0	111.5	120.0	91.8	120.0	78.0	104.0
48"		120.0	120.0	100.0	120.0	82.4	109.8	70.0	93.3
54"		115.7	120.0	91.2	120.0	75.1	100.1	63.8	85.0
60"		106.9	120.0	84.2	112.3	69.3	92.5	58.9	78.6
66"		99.8	120.0	78.6	104.9	64.7	86.3	55.0	73.3
72"		94.0	95.0	74.1	98.8	61.0	81.3	51.8	69.1
78"		89.2	95.0	70.3	93.8	57.9	77.2	49.2	65.6
80"		87.9	95.0	69.2	92.3	57.0	76.0	48.4	64.6
36"	150"	120.0	120.0	120.0	120.0	99.8	120.0	84.8	113.1
42"		120.0	120.0	106.3	120.0	87.5	116.7	74.4	99.2
48"		120.0	120.0	95.3	120.0	78.4	104.6	66.6	88.8
54"		110.0	120.0	86.7	115.7	71.4	95.2	60.7	80.9
60"		101.5	120.0	80.0	106.7	65.9	87.8	56.0	74.6
66"		94.7	120.0	74.6	99.5	61.4	81.9	52.2	69.6
72"		89.1	95.0	70.2	93.6	57.8	77.1	49.1	65.5
78"		84.4	95.0	66.5	88.7	54.8	73.0	46.5	62.1
80"		82.5	95.0	65.0	86.7	53.5	71.4	45.5	60.6
36"	156"	120.0	120.0	116.0	120.0	95.5	120.0	81.1	108.2
42"		120.0	120.0	101.6	120.0	83.7	111.5	71.1	94.8
48"		115.4	120.0	90.9	120.0	74.9	99.8	63.6	84.8
54"		104.9	120.0	82.7	110.3	68.1	90.8	57.8	77.1
60"		96.7	120.0	76.2	101.6	62.7	83.7	53.3	71.1
62–1/4"		94.0	120.0	74.1	98.8	61.0	81.4	51.8	69.1

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



ANCHORS TYPES: SEE SHEET 20 FOR DESCRIPTION

A3 = (3) ANCHORS TYPE 'A' AT EACH FREE JAMB
(6) AT INTERLOCK AND ASTRAGAL LOCATIONS

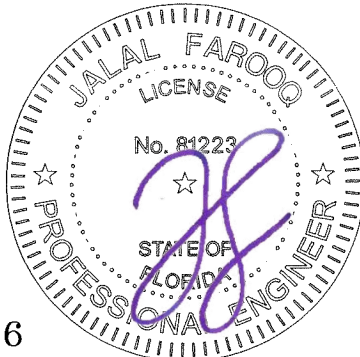
A4 = (4) ANCHORS TYPE 'A' AT EACH FREE JAMB
(8) AT INTERLOCK AND ASTRAGAL LOCATIONS

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

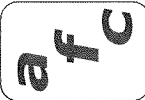
CLUSTER OF ANCHORS AT FREE JAMB, INTERLOCK AND ASTRAGAL ENDS CAN BE IN SINGLE ROW OR DOUBLE ROWS (SINGLE ROWS SHOWN ABOVE)

Sealed: 9/24/2026

HEAD/SILL ANCHORS
WITHOUT RECEPTORS



FL #29516

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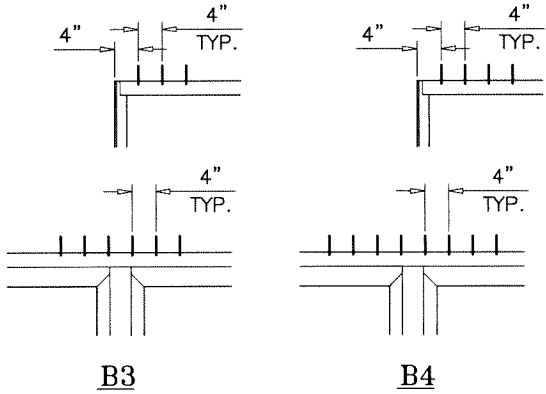
drawing no.
20-46F
sheet **8** of **32**

COMP-ANL\20-46F-ES
FBPE #3538

HEAD/SILL ANCHOR LOAD CAPACITY - PSF (WITHOUT RECEPTOR) EXT.(+) & INT.(-)									
NOMINAL DIMS.		ANCHOR TYPE 'B'							
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	3/8" MAX. SHIMS		1/2" MAX. SHIMS		5/8" MAX. SHIMS		3/4" MAX. SHIMS	
		B3	B4	B3	B4	B3	B4	B3	B4
36"	84"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	115.6	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	109.9	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	105.8	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	103.0	120.0
78"		120.0	120.0	120.0	120.0	118.5	120.0	101.4	120.0
80"		120.0	120.0	120.0	120.0	118.2	120.0	101.1	120.0
84"		120.0	120.0	120.0	120.0	117.9	120.0	100.9	120.0
36"	96"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	113.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	103.0	120.0
54"		120.0	120.0	120.0	120.0	111.7	120.0	95.5	120.0
60"		120.0	120.0	120.0	120.0	105.1	120.0	89.9	119.9
66"		120.0	120.0	120.0	120.0	100.1	120.0	85.6	114.1
72"		120.0	120.0	116.0	120.0	96.3	120.0	82.4	109.9
78"		120.0	120.0	112.7	120.0	93.6	120.0	80.1	106.8
80"		120.0	120.0	111.8	120.0	92.9	120.0	79.5	105.9
84"		120.0	120.0	110.4	120.0	91.7	120.0	78.5	104.6
36"	108"	120.0	120.0	120.0	120.0	120.0	120.0	109.9	120.0
42"		120.0	120.0	120.0	120.0	113.9	120.0	97.4	120.0
48"		120.0	120.0	120.0	120.0	103.2	120.0	88.3	117.7
54"		120.0	120.0	114.5	120.0	95.1	120.0	81.4	108.5
60"		120.0	120.0	107.0	120.0	88.9	118.5	76.1	101.4
66"		120.0	120.0	101.2	120.0	84.1	112.1	71.9	95.9
72"		120.0	120.0	96.6	120.0	80.3	107.0	68.7	91.6
78"		116.9	120.0	93.1	120.0	77.3	103.1	66.1	88.2
80"		115.7	120.0	92.1	120.0	76.5	102.0	65.4	87.2
84"		113.5	120.0	90.4	120.0	75.1	100.1	64.2	85.6
36"	120"	120.0	120.0	120.0	120.0	113.3	120.0	96.9	120.0
42"		120.0	120.0	120.0	120.0	100.1	120.0	85.6	114.1
48"		120.0	120.0	108.7	120.0	90.3	120.0	77.3	103.0
54"		120.0	120.0	99.8	120.0	82.9	110.5	70.9	94.5
60"		116.5	120.0	92.8	120.0	77.1	102.7	65.9	87.9
66"		109.6	120.0	87.2	116.3	72.5	96.6	62.0	82.7
72"		104.0	120.0	82.8	110.4	68.8	91.7	58.9	78.5
78"		99.6	120.0	79.3	105.7	65.9	87.8	56.3	75.1
80"		98.3	120.0	78.3	104.4	65.0	86.7	55.6	74.2
84"		96.0	120.0	76.5	101.9	63.5	84.7	54.3	72.4
36"	132"	120.0	120.0	120.0	120.0	101.4	120.0	86.7	115.6
42"		120.0	120.0	107.5	120.0	89.3	119.0	76.4	101.8
48"		120.0	120.0	96.6	120.0	80.3	107.0	68.7	91.6
54"		111.0	120.0	88.4	117.8	73.4	97.8	62.8	83.7
60"		102.8	120.0	81.9	109.1	68.0	90.7	58.2	77.6
66"		96.3	120.0	76.7	102.2	63.7	84.9	54.5	72.6
72"		91.0	120.0	72.5	96.6	60.2	80.3	51.5	68.7
78"		86.7	115.6	69.1	92.1	57.4	76.5	49.1	65.4
80"		85.5	114.0	68.1	90.8	56.5	75.4	48.4	64.5
84"		83.2	111.0	66.3	88.4	55.0	73.4	47.1	62.8

HEAD/SILL ANCHOR LOAD CAPACITY - PSF (WITHOUT RECEPTOR) EXT.(+) & INT.(-)									
NOMINAL DIMS.		ANCHOR TYPE 'B'							
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	3/8" MAX. SHIMS		1/2" MAX. SHIMS		5/8" MAX. SHIMS		3/4" MAX. SHIMS	
		B3	B4	B3	B4	B3	B4	B3	B4
36"	144"	120.0	120.0	110.4	120.0	91.7	120.0	78.5	104.6
42"		120.0	120.0	97.0	120.0	80.5	107.4	68.9	91.9
48"		109.2	120.0	87.0	116.0	72.2	96.3	61.8	82.4
54"		99.6	120.0	79.3	105.7	65.9	87.8	56.3	75.1
60"		92.0	120.0	73.2	97.7	60.8	81.1	52.0	69.4
66"		85.9	114.5	68.4	91.2	56.8	75.7	48.6	64.8
72"		80.9	95.0	64.4	85.9	53.5	71.3	45.8	61.0
78"		76.8	95.0	61.2	81.6	50.8	67.7	43.5	58.0
80"		75.6	95.0	60.2	80.3	50.0	66.7	42.8	57.0
36"	150"	120.0	120.0	105.4	120.0	87.6	116.8	74.9	99.9
42"		116.1	120.0	92.5	120.0	76.8	102.4	65.7	87.6
48"		104.0	120.0	82.8	110.4	68.8	91.7	58.9	78.5
54"		94.7	120.0	75.4	100.6	62.6	83.5	53.6	71.5
60"		87.4	116.5	69.6	92.8	57.8	77.1	49.4	65.9
66"		81.5	108.6	64.9	86.5	53.9	71.8	46.1	61.5
72"		76.7	95.0	61.0	81.4	50.7	67.6	43.4	57.8
78"		72.7	95.0	57.9	77.1	48.1	64.1	41.1	54.8
80-7/8"		71.0	94.7	56.5	75.4	47.0	62.6	40.2	53.9
36"	156"	120.0	120.0	100.8	120.0	83.8	111.7	71.7	95.5
42"		111.0	120.0	88.4	117.8	73.4	97.8	62.8	83.7
48"		99.3	120.0	79.1	105.4	65.7	87.6	56.2	74.9
54"		90.3	120.0	71.9	95.9	59.7	79.6	51.1	68.1
60"		83.2	111.0	66.3	88.4	55.0	73.4	47.1	62.8
62-1/4"		80.9	107.9	64.4	85.9	53.5	71.4	45.8	61.1

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



ANCHORS TYPES: SEE SHEET 20 FOR DESCRIPTION

B3 = (3) ANCHORS TYPE 'B' AT EACH FREE JAMB
(6) AT INTERLOCK AND ASTRAGAL LOCATIONS

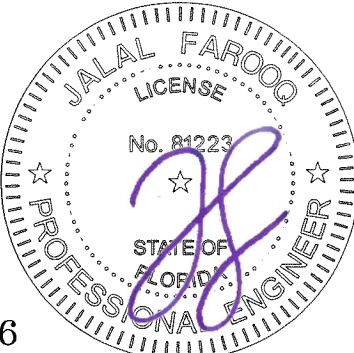
B4 = (4) ANCHORS TYPE 'B' AT EACH FREE JAMB
(8) AT INTERLOCK AND ASTRAGAL LOCATIONS

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

CLUSTER OF ANCHORS AT FREE JAMB, INTERLOCK AND ASTRAGAL ENDS CAN BE IN SINGLE ROW OR DOUBLE ROWS (SINGLE ROWS SHOWN ABOVE)

HEAD/SILL ANCHORS
WITHOUT RECEPTORS

Sealed: 9/24/2026



FL #29516

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
COMP - ANL \ 20 - 46F - ES
FBPE #3538

ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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

revisions:	no	date	by	description

date: 05-14-20

scale: -

dr. by: TARIQ

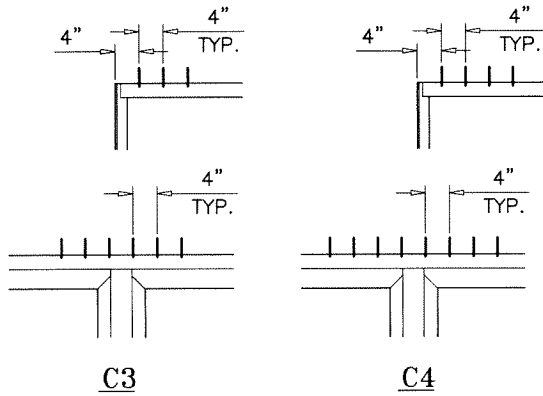
chk. by:

drawing no.
20-46F
sheet 9 of 32

HEAD/SILL ANCHOR LOAD CAPACITY – PSF (WITHOUT RECEPTOR) EXT.(+) & INT.(–)									
NOMINAL DIMS.		ANCHOR TYPE 'C'							
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	3/8" MAX. SHIMS		1/2" MAX. SHIMS		5/8" MAX. SHIMS		3/4" MAX. SHIMS	
		C3	C4	C3	C4	C3	C4	C3	C4
36"	84"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"	96"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"	108"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"	120"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	118.9	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	118.9	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	114.6	120.0
36"	132"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	115.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	108.7	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	103.6	120.0
80"		119.3	120.0	119.3	120.0	119.2	120.0	102.1	120.0
84"		116.1	120.0	116.1	120.0	116.0	120.0	99.4	120.0

HEAD/SILL ANCHOR LOAD CAPACITY – PSF (WITHOUT RECEPTOR) EXT.(+) & INT.(–)									
NOMINAL DIMS.		ANCHOR TYPE 'C'							
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	3/8" MAX. SHIMS		1/2" MAX. SHIMS		5/8" MAX. SHIMS		3/4" MAX. SHIMS	
		C3	C4	C3	C4	C3	C4	C3	C4
36"	144"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	118.9	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	109.8	120.0
66"		119.8	120.0	112.7	120.0	112.7	120.0	102.5	120.0
72"		106.2	120.0	106.2	120.0	106.2	120.0	96.6	120.0
78"		100.8	120.0	100.8	120.0	100.8	120.0	91.7	120.0
80"		99.2	120.0	99.2	120.0	99.2	120.0	90.3	120.0
36"	150"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	113.1	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	104.3	120.0
66"		113.7	120.0	113.7	120.0	113.7	120.0	97.3	120.0
72"		100.6	120.0	100.6	120.0	100.6	120.0	91.5	120.0
78"		95.4	120.0	95.4	120.0	95.4	120.0	86.8	115.7
80–7/8"		95.0	120.0	95.0	120.0	95.0	120.0	84.8	113.8
36"	156"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	118.6	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	107.8	120.0
60"		116.1	120.0	116.1	120.0	116.0	120.0	99.4	120.0
62–1/4"		112.9	120.0	112.9	120.0	112.8	120.0	96.6	120.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



- ANCHORS TYPES:** SEE SHEET 20 FOR DESCRIPTION
- C3** = (3) ANCHORS TYPE 'C' AT EACH FREE JAMB
(6) AT INTERLOCK AND ASTRAGAL LOCATIONS
- C4** = (4) ANCHORS TYPE 'C' AT EACH FREE JAMB
(8) AT INTERLOCK AND ASTRAGAL LOCATIONS

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

CLUSTER OF ANCHORS AT FREE JAMB, INTERLOCK AND ASTRAGAL ENDS CAN BE IN SINGLE ROW OR DOUBLE ROWS (SINGLE ROWS SHOWN ABOVE)

Sealed: 9/24/2026

HEAD/SILL ANCHORS
WITHOUT RECEPTORS



FL #29516



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
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revisions: no date by description

date: 05-14-20
scale: -
dr. by: TARIQ
chk. by:

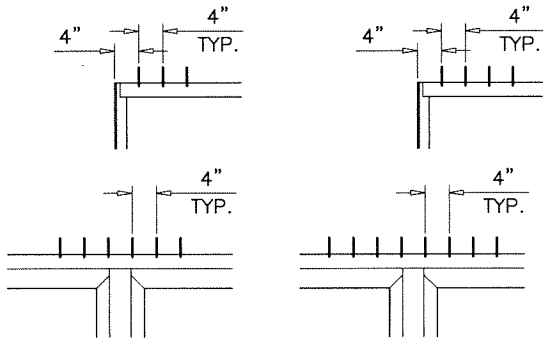
drawing no.
20-46F
sheet 10 of 32

COMP-ANL \ 20-46F-ES
FBPE #3538

HEAD/SILL ANCHOR LOAD CAPACITY – PSF (WITHOUT RECEPTOR) EXT.(+) & INT.(–)									
NOMINAL DIMS.		ANCHOR TYPE 'D'							
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	3/8" MAX. SHIMS		1/2" MAX. SHIMS		5/8" MAX. SHIMS		3/4" MAX. SHIMS	
		D3	D4	D3	D4	D3	D4	D3	D4
36"	84"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"	96"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"	108"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	117.5	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	112.2	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	108.1	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	108.1	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	104.9	120.0
36"	120"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	115.8	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	107.7	120.0
66"		120.0	120.0	120.0	120.0	118.0	120.0	101.3	120.0
72"		120.0	120.0	120.0	120.0	112.0	120.0	96.2	120.0
78"		120.0	120.0	120.0	120.0	107.2	120.0	92.1	120.0
80"		120.0	120.0	120.0	120.0	105.8	120.0	90.8	120.0
84"		120.0	120.0	120.0	120.0	103.4	120.0	88.8	118.4
36"	132"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	112.2	120.0
54"		120.0	120.0	120.0	120.0	119.5	120.0	102.6	120.0
60"		120.0	120.0	120.0	120.0	110.7	120.0	95.0	120.0
66"		120.0	120.0	120.0	120.0	103.7	120.0	89.0	118.7
72"		120.0	120.0	117.3	120.0	98.0	120.0	84.2	112.2
78"		120.0	120.0	111.8	120.0	93.4	120.0	80.2	106.9
80"		120.0	120.0	110.2	120.0	92.0	120.0	79.0	105.4
84"		120.0	120.0	107.2	120.0	89.6	119.5	76.9	102.6

HEAD/SILL ANCHOR LOAD CAPACITY – PSF (WITHOUT RECEPTOR) EXT.(+) & INT.(–)									
NOMINAL DIMS.		ANCHOR TYPE 'D'							
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	3/8" MAX. SHIMS		1/2" MAX. SHIMS		5/8" MAX. SHIMS		3/4" MAX. SHIMS	
		D3	D4	D3	D4	D3	D4	D3	D4
36"	144"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	112.6	120.0
48"		120.0	120.0	120.0	120.0	117.6	120.0	101.0	120.0
54"		120.0	120.0	120.0	120.0	107.2	120.0	92.1	113.4
60"		120.0	120.0	118.5	120.0	99.0	120.0	85.0	120.0
66"		120.0	120.0	110.7	120.0	92.5	120.0	79.4	105.9
72"		120.0	120.0	104.3	120.0	87.1	116.1	74.8	99.7
78"		117.2	120.0	99.0	120.0	82.7	110.3	71.0	94.7
80"		115.4	120.0	97.4	120.0	81.4	108.6	69.9	93.2
36"	150"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	107.4	120.0
48"		120.0	120.0	120.0	120.0	112.0	120.0	96.2	120.0
54"		120.0	120.0	120.0	120.0	102.0	120.0	87.6	116.8
60"		120.0	120.0	112.6	120.0	94.1	120.0	80.8	107.7
66"		120.0	120.0	105.0	120.0	87.7	117.0	75.3	100.4
72"		117.0	120.0	98.8	120.0	82.5	110.0	70.9	94.5
78"		110.9	120.0	93.6	120.0	78.2	104.3	67.2	89.6
80"		95.0	95.0	91.5	95.0	76.4	95.0	65.6	87.5
36"	156"	120.0	120.0	120.0	120.0	120.0	120.0	117.1	120.0
42"		120.0	120.0	120.0	120.0	119.5	120.0	102.6	120.0
48"		120.0	120.0	120.0	120.0	106.9	120.0	91.8	120.0
54"		120.0	120.0	116.4	120.0	97.2	120.0	83.5	111.3
60"		120.0	120.0	107.2	120.0	89.6	119.5	76.9	102.6
66"		120.0	120.0	104.3	120.0	87.1	116.2	74.8	99.8

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



D3

D4

ANCHORS TYPES: SEE SHEET 20 FOR DESCRIPTION

D3 = (3) ANCHORS TYPE 'D' AT EACH FREE JAMB
(6) AT INTERLOCK AND ASTRAGAL LOCATIONS

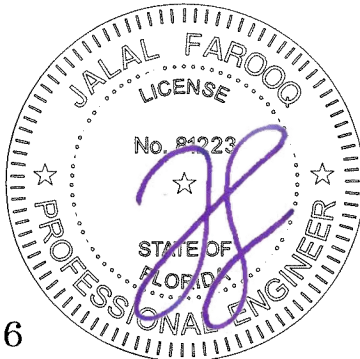
D4 = (4) ANCHORS TYPE 'D' AT EACH FREE JAMB
(8) AT INTERLOCK AND ASTRAGAL LOCATIONS

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

CLUSTER OF ANCHORS AT FREE JAMB, INTERLOCK AND ASTRAGAL ENDS CAN BE IN SINGLE ROW OR DOUBLE ROWS (SINGLE ROWS SHOWN ABOVE)

Sealed: 9/24/2026

HEAD/SILL ANCHORS
WITHOUT RECEPTORS



FL #29516

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
COMP-ANL\20-46F-ES
FBPE #3538

ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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

revisions:	no	date	by	description

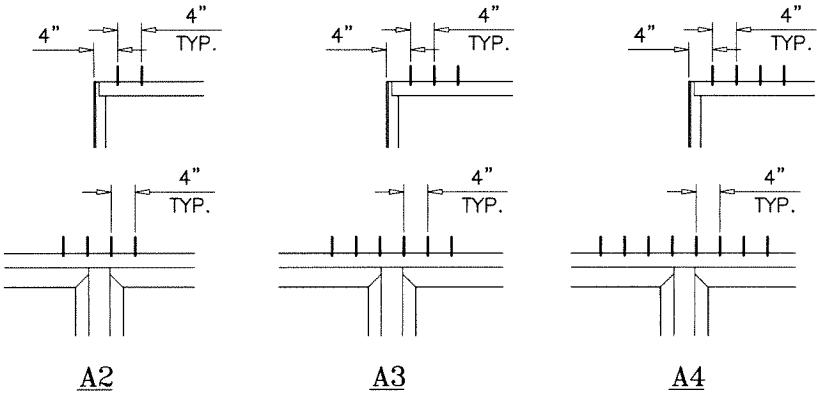
date:	05-14-20
scale:	-
dr. by:	TARIQ
chk. by:	

drawing no.	20-46F
sheet	11 of 32

HEAD ANCHOR LOAD CAPACITY – PSF (WITH RECEPTOR) EXT.(+) & INT.(-)										
NOMINAL DIMS.		ANCHOR TYPE 'A'								
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	1/2" MAX. SHIMS			5/8" MAX. SHIMS			3/4" MAX. SHIMS		
		A2	A3	A4	A2	A3	A4	A2	A3	A4
36"	84"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	113.2	120.0	120.0
54"		120.0	120.0	120.0	118.6	120.0	120.0	105.9	120.0	120.0
60"		120.0	120.0	120.0	112.7	120.0	120.0	100.7	120.0	120.0
66"		120.0	120.0	120.0	108.5	120.0	120.0	96.9	120.0	120.0
72"		119.9	120.0	120.0	105.6	120.0	120.0	94.4	120.0	120.0
78"		118.1	120.0	120.0	104.0	120.0	120.0	92.9	120.0	120.0
80"		117.8	120.0	120.0	103.7	120.0	120.0	92.6	120.0	120.0
84"		117.5	120.0	120.0	103.5	120.0	120.0	92.4	120.0	120.0
36"	96"	120.0	120.0	120.0	120.0	120.0	120.0	116.1	120.0	120.0
42"		120.0	120.0	120.0	115.9	120.0	120.0	103.5	120.0	120.0
48"		119.9	120.0	120.0	105.6	120.0	120.0	94.4	120.0	120.0
54"		111.3	120.0	120.0	98.0	120.0	120.0	87.5	120.0	120.0
60"		104.7	120.0	120.0	92.2	120.0	120.0	82.4	120.0	120.0
66"		99.7	120.0	120.0	87.8	120.0	120.0	78.4	117.6	120.0
72"		96.0	120.0	120.0	84.5	120.0	120.0	75.5	113.2	120.0
78"		93.2	120.0	120.0	82.1	120.0	120.0	73.3	110.0	120.0
80"		92.5	120.0	120.0	81.5	120.0	120.0	72.8	109.2	120.0
84"		91.4	120.0	120.0	80.5	120.0	120.0	71.9	107.8	120.0
36"	108"	120.0	120.0	120.0	112.7	120.0	120.0	100.7	120.0	120.0
42"		113.4	120.0	120.0	99.9	120.0	120.0	89.2	120.0	120.0
48"		102.8	120.0	120.0	90.5	120.0	120.0	80.9	120.0	120.0
54"		94.8	120.0	120.0	83.5	120.0	120.0	74.6	111.8	120.0
60"		88.6	120.0	120.0	78.0	117.0	120.0	69.7	104.5	120.0
66"		83.7	120.0	120.0	73.8	110.6	120.0	65.9	98.8	120.0
72"		80.0	119.9	120.0	70.4	105.6	120.0	62.9	94.4	120.0
78"		77.0	115.5	120.0	67.8	101.8	120.0	60.6	90.9	120.0
80"		76.2	114.3	120.0	67.1	100.7	120.0	59.9	89.9	119.9
84"		74.8	112.2	120.0	65.9	98.8	120.0	58.8	88.2	117.6
36"	120"	112.9	120.0	120.0	99.4	120.0	120.0	88.8	120.0	120.0
42"		99.7	120.0	120.0	87.8	120.0	120.0	78.4	117.6	120.0
48"		90.0	120.0	120.0	79.2	118.8	120.0	70.8	106.2	120.0
54"		82.5	120.0	120.0	72.7	109.0	120.0	64.9	97.4	120.0
60"		76.8	115.1	120.0	67.6	101.4	120.0	60.4	90.6	120.0
66"		72.2	108.3	120.0	63.6	95.4	120.0	56.8	85.2	113.6
72"		68.5	102.8	120.0	60.4	90.5	120.0	53.9	80.9	107.8
78"		65.6	98.4	120.0	57.8	86.7	115.6	51.6	77.4	103.2
80"		64.8	97.2	120.0	57.0	85.6	114.1	51.0	76.4	101.9
84"		63.3	94.9	120.0	55.7	83.6	111.4	49.8	74.7	99.5
36"	132"	101.0	120.0	120.0	89.0	120.0	120.0	79.5	119.2	120.0
42"		88.9	120.0	120.0	78.3	117.5	120.0	70.0	104.9	120.0
48"		80.0	119.9	120.0	70.4	105.6	120.0	62.9	94.4	120.0
54"		73.1	109.7	120.0	64.4	96.6	120.0	57.5	86.3	115.0
60"		67.7	101.6	120.0	59.7	89.5	119.3	53.3	79.9	106.6
66"		63.4	95.2	120.0	55.9	83.8	111.7	49.9	74.9	99.8
72"		60.0	90.0	119.9	52.8	79.2	105.6	47.2	70.8	94.4
78"		57.1	85.7	114.3	50.3	75.5	100.7	45.0	67.4	89.9
80"		56.3	84.5	112.6	49.6	74.4	99.2	44.3	66.5	88.6
84"		54.8	82.2	109.7	48.3	72.4	96.6	43.1	64.7	86.3

HEAD ANCHOR LOAD CAPACITY – PSF (WITH RECEPTOR) EXT.(+) & INT.(-)										
NOMINAL DIMS.		ANCHOR TYPE 'A'								
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	1/2" MAX. SHIMS			5/8" MAX. SHIMS			3/4" MAX. SHIMS		
		A2	A3	A4	A2	A3	A4	A2	A3	A4
36"	144"	91.4	120.0	120.0	80.5	120.0	120.0	71.9	107.8	120.0
42"		80.2	120.0	120.0	70.7	106.0	120.0	63.1	94.7	120.0
48"		72.0	108.0	120.0	63.4	95.1	120.0	56.6	84.9	113.2
54"		65.6	98.4	120.0	57.8	86.7	115.6	51.6	77.4	103.2
60"		60.6	90.9	120.0	53.4	80.1	106.7	47.7	71.5	95.4
66"		56.6	84.9	113.2	49.8	74.8	99.7	44.5	66.8	89.0
72"		53.3	80.0	95.0	46.9	70.4	93.9	41.9	62.9	83.9
78"		50.6	75.9	95.0	44.6	66.9	89.2	39.8	59.7	79.6
80"		49.8	74.7	95.0	43.9	65.8	87.8	39.2	58.8	78.4
36"	150"	87.2	120.0	120.0	76.8	115.2	120.0	68.6	102.9	120.0
42"		76.5	114.8	120.0	67.4	101.1	120.0	60.2	90.3	120.0
48"		68.5	102.8	120.0	60.4	90.5	120.0	53.9	80.9	107.8
54"		62.4	93.6	120.0	55.0	82.4	109.9	49.1	73.6	98.2
60"		57.6	86.4	115.1	50.7	76.1	101.4	45.3	67.9	90.6
66"		53.7	80.5	107.4	47.3	70.9	94.6	42.2	63.3	84.5
72"		50.5	75.8	95.0	44.5	66.7	89.0	39.7	59.6	79.5
78"		47.9	71.8	95.0	42.2	63.3	84.3	37.7	56.5	75.3
80-7/8"		46.8	70.2	93.6	41.5	61.8	82.4	36.8	55.2	73.6
36"	156"	83.4	120.0	120.0	73.5	110.2	120.0	65.6	98.5	120.0
42"		73.1	109.7	120.0	64.4	96.6	120.0	57.5	86.3	115.0
48"		65.4	98.1	120.0	57.6	86.4	115.2	51.5	77.2	102.9
54"		59.5	89.3	119.0	52.4	78.6	104.8	46.8	70.2	93.6
60"		54.8	82.2	109.7	48.3	72.4	96.6	43.1	64.7	86.3
62-1/4"		53.3	80.0	106.7	47.0	70.4	93.9	42.0	62.9	83.9

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



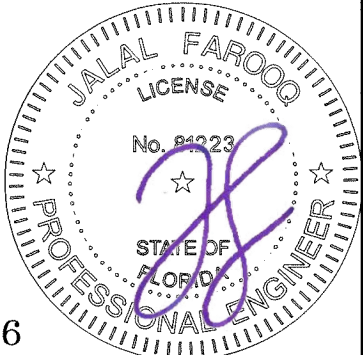
- ANCHORS TYPES:** SEE SHEET 20 FOR DESCRIPTION
- A2 = (2) ANCHORS TYPE 'A' AT EACH FREE JAMB
(4) AT INTERLOCK AND ASTRAGAL LOCATIONS
- A3 = (3) ANCHORS TYPE 'A' AT EACH FREE JAMB
(6) AT INTERLOCK AND ASTRAGAL LOCATIONS
- A4 = (4) ANCHORS TYPE 'A' AT EACH FREE JAMB
(8) AT INTERLOCK AND ASTRAGAL LOCATIONS

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

CLUSTER OF ANCHORS AT FREE JAMB, INTERLOCK AND ASTRAGAL ENDS CAN BE IN SINGLE ROW OR DOUBLE ROWS (SINGLE ROWS SHOWN ABOVE)

Sealed: 9/24/2026

HEAD ANCHORS
WITH RECEPTORS



FL #29516

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
COMP-ANL\20-46F-ES
FBPE #3538

ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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

revisions:
no date by description

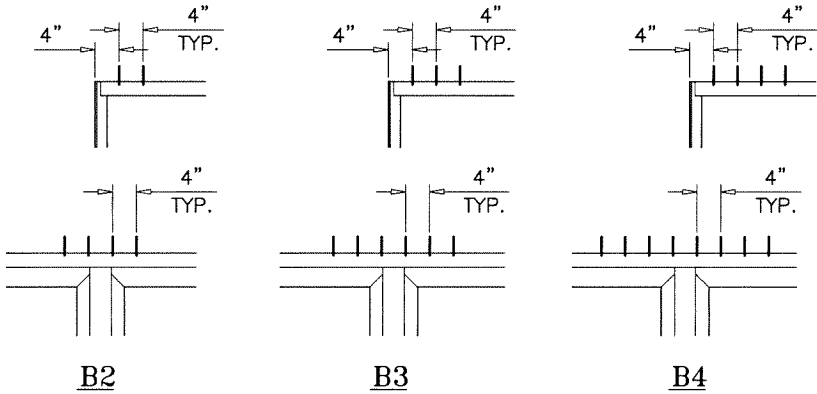
date: 05-14-20
scale: -
dr. by: TARIQ
chk. by:

drawing no.
20-46F
sheet 12 of 32

HEAD ANCHOR LOAD CAPACITY – PSF (WITH RECEPTOR) EXT.(+) & INT.(–)										
NOMINAL DIMS.		ANCHOR TYPE 'B'								
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	1/2" MAX. SHIMS			5/8" MAX. SHIMS			3/4" MAX. SHIMS		
		B2	B3	B4	B2	B3	B4	B2	B3	B4
36"	84"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	118.6	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	114.2	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	111.2	120.0	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	109.5	120.0	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	109.2	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	108.9	120.0	120.0
36"	96"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	111.2	120.0	120.0
54"		120.0	120.0	120.0	117.8	120.0	120.0	103.1	120.0	120.0
60"		120.0	120.0	120.0	110.9	120.0	120.0	97.1	120.0	120.0
66"		120.0	120.0	120.0	105.6	120.0	120.0	92.4	120.0	120.0
72"		118.5	120.0	120.0	101.6	120.0	120.0	89.0	120.0	120.0
78"		115.2	120.0	120.0	98.7	120.0	120.0	86.4	120.0	120.0
80"		114.3	120.0	120.0	98.0	120.0	120.0	85.8	120.0	120.0
84"		112.9	120.0	120.0	96.8	120.0	120.0	84.7	120.0	120.0
36"	108"	120.0	120.0	120.0	120.0	120.0	120.0	118.6	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	105.2	120.0	120.0
48"		120.0	120.0	120.0	108.9	120.0	120.0	95.3	120.0	120.0
54"		117.0	120.0	120.0	100.4	120.0	120.0	95.3	120.0	120.0
60"		109.4	120.0	120.0	93.8	120.0	120.0	87.9	120.0	120.0
66"		103.4	120.0	120.0	88.7	120.0	120.0	82.1	116.5	120.0
72"		98.8	120.0	120.0	84.7	120.0	120.0	77.6	111.2	120.0
78"		95.1	120.0	120.0	81.6	120.0	120.0	71.4	107.1	120.0
80"		94.1	120.0	120.0	80.7	120.0	120.0	70.6	106.0	120.0
84"		92.3	120.0	120.0	79.2	118.8	120.0	69.3	104.0	120.0
36"	120"	120.0	120.0	120.0	119.5	120.0	120.0	104.7	120.0	120.0
42"		120.0	120.0	120.0	105.6	120.0	120.0	92.4	120.0	120.0
48"		111.1	120.0	120.0	95.3	120.0	120.0	83.4	120.0	120.0
54"		101.9	120.0	120.0	87.4	120.0	120.0	76.5	114.8	120.0
60"		94.8	120.0	120.0	81.3	120.0	120.0	71.2	106.8	120.0
66"		89.2	120.0	120.0	76.5	114.7	120.0	66.9	100.4	120.0
72"		84.7	120.0	120.0	72.6	108.9	120.0	63.5	95.3	120.0
78"		81.0	120.0	120.0	69.5	104.2	120.0	60.8	91.2	120.0
80"		80.0	120.0	120.0	68.6	102.9	120.0	60.1	90.1	120.0
84"		78.1	117.2	120.0	67.0	100.5	120.0	58.7	88.0	117.3
36"	132"	120.0	120.0	120.0	107.0	120.0	120.0	93.6	120.0	120.0
42"		109.8	120.0	120.0	94.2	120.0	120.0	82.4	120.0	120.0
48"		98.8	120.0	120.0	84.7	120.0	120.0	74.1	111.2	120.0
54"		90.3	120.0	120.0	77.4	116.1	120.0	67.8	101.7	120.0
60"		83.7	120.0	120.0	71.7	107.6	120.0	62.8	94.2	120.0
66"		78.4	117.5	120.0	67.2	100.8	120.0	58.8	88.2	117.6
72"		74.1	111.1	120.0	63.5	95.3	120.0	55.6	83.4	111.2
78"		70.6	105.9	120.0	60.5	90.8	120.0	53.0	79.5	106.0
80"		69.6	104.3	120.0	59.6	89.5	119.3	52.2	78.3	104.4
84"		67.7	101.6	120.0	58.1	87.1	116.1	50.8	76.3	101.7

HEAD ANCHOR LOAD CAPACITY – PSF (WITH RECEPTOR) EXT.(+) & INT.(–)										
NOMINAL DIMS.		ANCHOR TYPE 'B'								
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	1/2" MAX. SHIMS			5/8" MAX. SHIMS			3/4" MAX. SHIMS		
		B2	B3	B4	B2	B3	B4	B2	B3	B4
36"	144"	112.9	120.0	120.0	96.8	120.0	120.0	84.7	120.0	120.0
42"		99.1	120.0	120.0	85.0	120.0	120.0	74.4	111.6	120.0
48"		88.9	120.0	120.0	76.2	114.3	120.0	66.7	100.1	120.0
54"		81.0	120.0	120.0	69.5	104.2	120.0	60.8	91.2	120.0
60"		74.8	112.3	120.0	64.2	96.3	120.0	56.2	84.3	112.4
66"		69.9	104.8	120.0	59.9	89.9	119.8	52.5	78.7	104.9
72"		65.8	95.0	95.0	56.5	84.7	95.0	49.4	74.1	98.9
78"		62.5	93.8	95.0	53.6	80.4	95.0	46.9	70.4	93.9
80"		61.5	92.3	95.0	52.8	79.1	95.0	46.2	69.3	92.4
36"	150"	107.7	120.0	120.0	92.4	120.0	120.0	80.9	120.0	120.0
42"		94.5	120.0	120.0	81.0	120.0	120.0	70.9	106.4	120.0
48"		84.7	120.0	120.0	72.6	108.9	120.0	63.5	95.3	120.0
54"		77.1	115.6	120.0	66.1	99.1	120.0	57.9	86.8	115.7
60"		71.1	106.7	120.0	61.0	91.5	120.0	53.4	80.1	106.8
66"		66.3	99.4	120.0	56.8	85.3	113.7	49.8	74.7	99.5
72"		62.4	93.6	95.0	53.5	80.2	95.0	46.8	70.2	93.6
78"		59.1	88.7	95.0	50.7	76.1	95.0	44.4	66.6	88.8
80–7/8"		57.8	86.7	95.0	49.5	74.8	95.0	43.4	65.1	86.7
36"	156"	103.1	120.0	120.0	88.4	120.0	120.0	77.4	116.0	120.0
42"		90.3	120.0	120.0	77.4	116.1	120.0	67.8	101.7	120.0
48"		80.8	120.0	120.0	69.3	103.9	120.0	60.7	91.0	120.0
54"		73.5	110.2	120.0	63.0	94.5	120.0	55.2	82.8	110.3
60"		67.7	101.6	120.0	58.1	87.1	116.1	50.8	76.3	101.7
62–1/4"		65.9	98.8	120.0	56.5	81.1	112.9	49.4	74.2	98.9

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



ANCHORS TYPES: SEE SHEET 20 FOR DESCRIPTION

B2 = (2) ANCHORS TYPE 'B' AT EACH FREE JAMB
(4) AT INTERLOCK AND ASTRAGAL LOCATIONS

B3 = (3) ANCHORS TYPE 'B' AT EACH FREE JAMB
(6) AT INTERLOCK AND ASTRAGAL LOCATIONS

B4 = (4) ANCHORS TYPE 'B' AT EACH FREE JAMB
(8) AT INTERLOCK AND ASTRAGAL LOCATIONS

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

CLUSTER OF ANCHORS AT FREE JAMB, INTERLOCK AND ASTRAGAL ENDS CAN BE IN SINGLE ROW OR DOUBLE ROWS (SINGLE ROWS SHOWN ABOVE)

Sealed: 9/24/2026

HEAD ANCHORS
WITH RECEPTORS



FL #29516



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

ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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

revisions:
no date by description

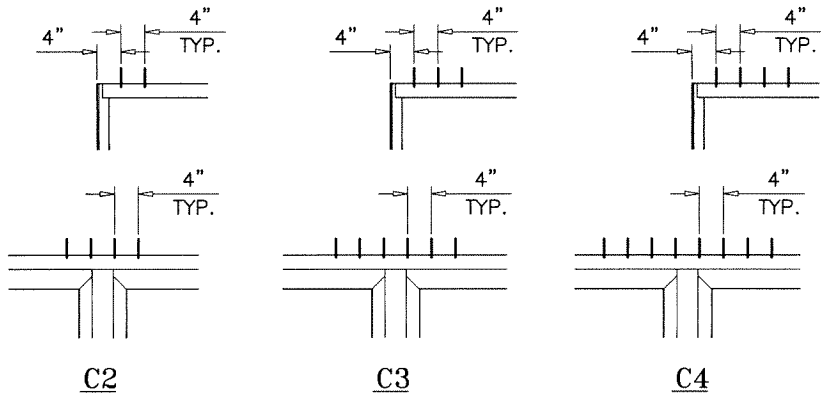
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dr. by: TARIQ
chk. by:

drawing no.
20-46F
sheet 13 of 32

HEAD ANCHOR LOAD CAPACITY – PSF (WITH RECEPTOR) EXT.(+) & INT.(–)								
NOMINAL DIMS.		ANCHOR TYPE 'C'						
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	1/2" MAX. SHIMS		5/8" MAX. SHIMS		3/4" MAX. SHIMS		
		C2	C3	C2	C3	C2	C3	C4
36"	84"	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"	96"	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"	108"	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	120.0	119.0	120.0	120.0
36"	120"	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	114.9	120.0	120.0
72"		120.0	120.0	120.0	120.0	109.1	120.0	120.0
78"		118.9	120.0	117.0	120.0	104.4	120.0	120.0
80"		117.4	120.0	115.5	120.0	103.1	120.0	120.0
84"		114.7	120.0	112.9	120.0	100.7	120.0	120.0
36"	132"	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	116.3	120.0	120.0
60"		120.0	120.0	120.0	120.0	107.8	120.0	120.0
66"		115.0	120.0	113.2	120.0	101.0	120.0	120.0
72"		108.7	120.0	107.0	120.0	95.4	120.0	120.0
78"		103.6	120.0	101.9	120.0	90.9	120.0	120.0
80"		102.1	120.0	100.5	120.0	89.6	120.0	120.0
84"		99.4	120.0	97.8	120.0	87.3	120.0	120.0

HEAD ANCHOR LOAD CAPACITY – PSF (WITH RECEPTOR) EXT.(+) & INT.(–)								
NOMINAL DIMS.		ANCHOR TYPE 'C'						
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	1/2" MAX. SHIMS		5/8" MAX. SHIMS		3/4" MAX. SHIMS		
		C2	C3	C2	C3	C2	C3	C4
36"	144"	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	114.5	120.0	120.0
54"		118.9	120.0	117.0	120.0	104.4	120.0	120.0
60"		109.8	120.0	108.1	120.0	96.4	120.0	120.0
66"		102.6	120.0	100.9	120.0	90.0	120.0	120.0
72"		96.6	95.0	95.1	95.0	84.8	95.0	95.0
78"		91.7	95.0	90.3	95.0	80.5	95.0	95.0
80"		90.3	95.0	88.9	95.0	79.3	95.0	95.0
36"	150"	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	109.1	120.0	120.0
54"		113.1	120.0	111.3	120.0	99.3	120.0	120.0
60"		104.3	120.0	102.7	120.0	91.6	120.0	120.0
66"		97.3	120.0	95.8	120.0	85.4	120.0	120.0
72"		91.5	95.0	90.1	95.0	80.4	95.0	95.0
78"		86.8	95.0	85.4	95.0	76.2	95.0	95.0
80–7/8"		84.8	95.0	83.4	95.0	74.4	95.0	95.0
36"	156"	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	116.3	120.0	120.0
48"		118.6	120.0	116.7	120.0	104.1	120.0	120.0
54"		107.9	120.0	106.1	120.0	94.7	120.0	120.0
60"		99.4	120.0	97.8	120.0	87.3	120.0	120.0
62–1/4"		96.6	120.0	95.1	120.0	84.9	120.0	120.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



ANCHORS TYPES: SEE SHEET 20 FOR DESCRIPTION

C2 = (2) ANCHORS TYPE 'C' AT EACH FREE JAMB
(4) AT INTERLOCK AND ASTRAGAL LOCATIONS

C3 = (3) ANCHORS TYPE 'C' AT EACH FREE JAMB
(6) AT INTERLOCK AND ASTRAGAL LOCATIONS

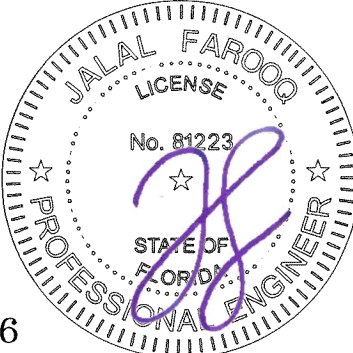
C4 = (4) ANCHORS TYPE 'C' AT EACH FREE JAMB
(8) AT INTERLOCK AND ASTRAGAL LOCATIONS

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

CLUSTER OF ANCHORS AT FREE JAMB, INTERLOCK AND ASTRAGAL ENDS CAN BE IN SINGLE ROW OR DOUBLE ROWS (SINGLE ROWS SHOWN ABOVE)

Sealed: 9/24/2026

HEAD ANCHORS
WITH RECEPTORS



FL #29516

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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revisions:
no date by description

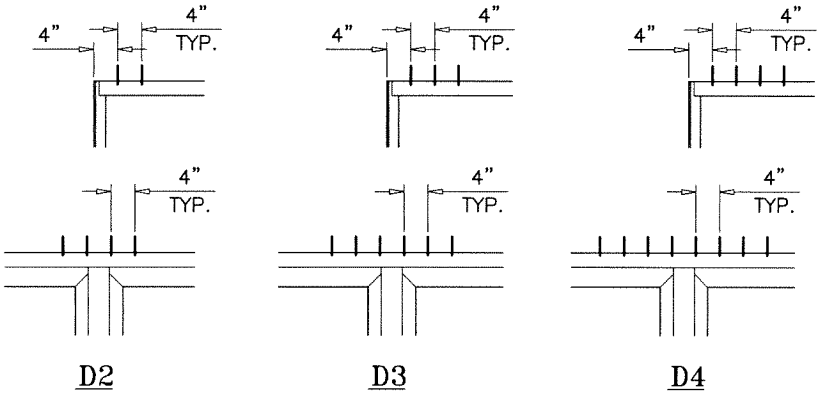
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drawing no.
20-46F
sheet 14 of 32

HEAD ANCHOR LOAD CAPACITY – PSF (WITH RECEPTOR) EXT.(+) & INT.(–)										
NOMINAL DIMS.		ANCHOR TYPE 'D'								
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	1/2" MAX. SHIMS			5/8" MAX. SHIMS			3/4" MAX. SHIMS		
		D2	D3	D4	D2	D3	D4	D2	D3	D4
36"	84"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"	96"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	119.7	120.0	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	118.7	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	117.3	120.0	120.0
36"	108"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	113.7	120.0	120.0
66"		120.0	120.0	120.0	120.0	120.0	120.0	107.5	120.0	120.0
72"		120.0	120.0	120.0	115.2	120.0	120.0	102.6	120.0	120.0
78"		120.0	120.0	120.0	111.0	120.0	120.0	98.8	120.0	120.0
80"		120.0	120.0	120.0	109.8	120.0	120.0	97.8	120.0	120.0
84"		120.0	120.0	120.0	107.7	120.0	120.0	96.0	120.0	120.0
36"	120"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	115.4	120.0	120.0
54"		120.0	120.0	120.0	118.9	120.0	120.0	105.9	120.0	120.0
60"		120.0	120.0	120.0	110.6	120.0	120.0	98.5	120.0	120.0
66"		118.6	120.0	120.0	104.0	120.0	120.0	92.6	120.0	120.0
72"		112.6	120.0	120.0	98.8	120.0	120.0	88.0	120.0	120.0
78"		107.7	120.0	120.0	94.5	120.0	120.0	84.2	120.0	120.0
80"		106.4	120.0	120.0	93.3	120.0	120.0	83.1	120.0	120.0
84"		103.9	120.0	120.0	91.2	120.0	120.0	81.2	120.0	120.0
36"	132"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0	120.0	114.1	120.0	120.0
48"		120.0	120.0	120.0	115.2	120.0	120.0	102.6	120.0	120.0
54"		120.0	120.0	120.0	105.3	120.0	120.0	93.8	120.0	120.0
60"		111.2	120.0	120.0	97.6	120.0	120.0	86.9	120.0	120.0
66"		104.2	120.0	120.0	91.4	120.0	120.0	81.4	120.0	120.0
72"		98.5	120.0	120.0	86.4	120.0	120.0	77.0	115.4	120.0
78"		93.8	120.0	120.0	82.3	120.0	120.0	73.3	110.0	120.0
80"		92.5	120.0	120.0	81.1	120.0	120.0	72.3	108.4	120.0
84"		90.0	120.0	120.0	79.0	118.5	120.0	70.4	105.6	120.0

HEAD ANCHOR LOAD CAPACITY – PSF (WITH RECEPTOR) EXT.(+) & INT.(–)										
NOMINAL DIMS.		ANCHOR TYPE 'D'								
AVERAGE PANEL WIDTH	DOOR FRAME HEIGHT	1/2" MAX. SHIMS			5/8" MAX. SHIMS			3/4" MAX. SHIMS		
		D2	D3	D4	D2	D3	D4	D2	D3	D4
36"	144"	120.0	120.0	120.0	120.0	120.0	120.0	117.3	120.0	120.0
42"		120.0	120.0	120.0	115.6	120.0	120.0	103.0	120.0	120.0
48"		118.2	120.0	120.0	103.7	120.0	120.0	92.4	120.0	120.0
54"		107.8	120.0	120.0	94.5	120.0	120.0	84.2	120.0	120.0
60"		99.5	120.0	120.0	87.3	120.0	120.0	77.8	116.7	120.0
66"		92.9	120.0	120.0	81.5	120.0	120.0	72.6	108.9	120.0
72"		87.5	95.0	95.0	76.8	95.0	95.0	68.4	95.0	95.0
78"		83.1	95.0	95.0	72.9	95.0	95.0	65.0	95.0	95.0
80"		81.8	95.0	95.0	71.8	95.0	95.0	63.9	95.0	95.0
36"	150"	120.0	120.0	120.0	120.0	120.0	120.0	112.0	120.0	120.0
42"		120.0	120.0	120.0	110.2	120.0	120.0	98.2	120.0	120.0
48"		112.6	120.0	120.0	98.8	120.0	120.0	88.0	120.0	120.0
54"		102.5	120.0	120.0	89.9	120.0	120.0	80.1	120.0	120.0
60"		94.6	120.0	120.0	83.0	120.0	120.0	73.9	110.8	120.0
66"		88.2	120.0	120.0	77.3	116.0	120.0	68.9	103.3	120.0
72"		82.9	95.0	95.0	72.8	109.1	95.0	64.8	95.0	95.0
78"		78.6	95.0	95.0	69.0	103.5	95.0	61.4	92.2	95.0
80–7/8"		76.8	95.0	95.0	67.4	95.0	95.0	60.0	90.1	95.0
36"	156"	120.0	120.0	120.0	120.0	120.0	120.0	107.1	120.0	120.0
42"		120.0	120.0	120.0	105.3	120.0	120.0	93.8	120.0	120.0
48"		107.4	120.0	120.0	94.3	120.0	120.0	84.0	120.0	120.0
54"		97.7	120.0	120.0	85.7	120.0	120.0	76.4	114.6	120.0
60"		90.0	120.0	120.0	79.0	118.5	120.0	70.4	105.6	120.0
62–1/4"		87.6	120.0	120.0	76.8	115.2	120.0	68.4	102.7	120.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



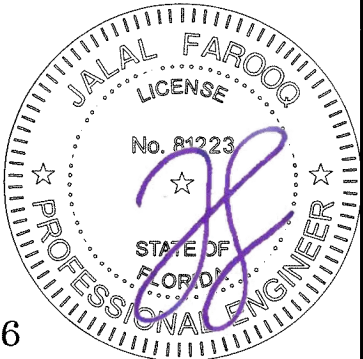
- ANCHORS TYPES:** SEE SHEET 20 FOR DESCRIPTION
- D2** = (2) ANCHORS TYPE 'D' AT EACH FREE JAMB
(4) AT INTERLOCK AND ASTRAGAL LOCATIONS
- D3** = (3) ANCHORS TYPE 'D' AT EACH FREE JAMB
(6) AT INTERLOCK AND ASTRAGAL LOCATIONS
- D4** = (4) ANCHORS TYPE 'D' AT EACH FREE JAMB
(8) AT INTERLOCK AND ASTRAGAL LOCATIONS

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

CLUSTER OF ANCHORS AT FREE JAMB, INTERLOCK AND ASTRAGAL ENDS CAN BE IN SINGLE ROW OR DOUBLE ROWS (SINGLE ROWS SHOWN ABOVE)

Sealed: 9/24/2026

HEAD ANCHORS
WITH RECEPTORS



FL #29516

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

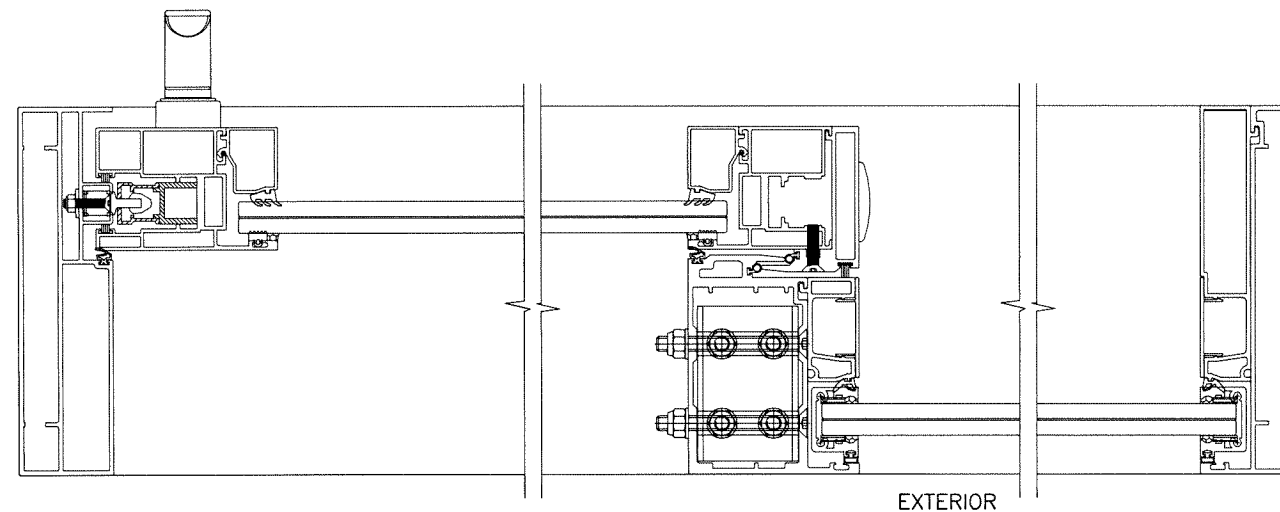
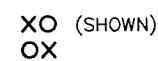
ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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

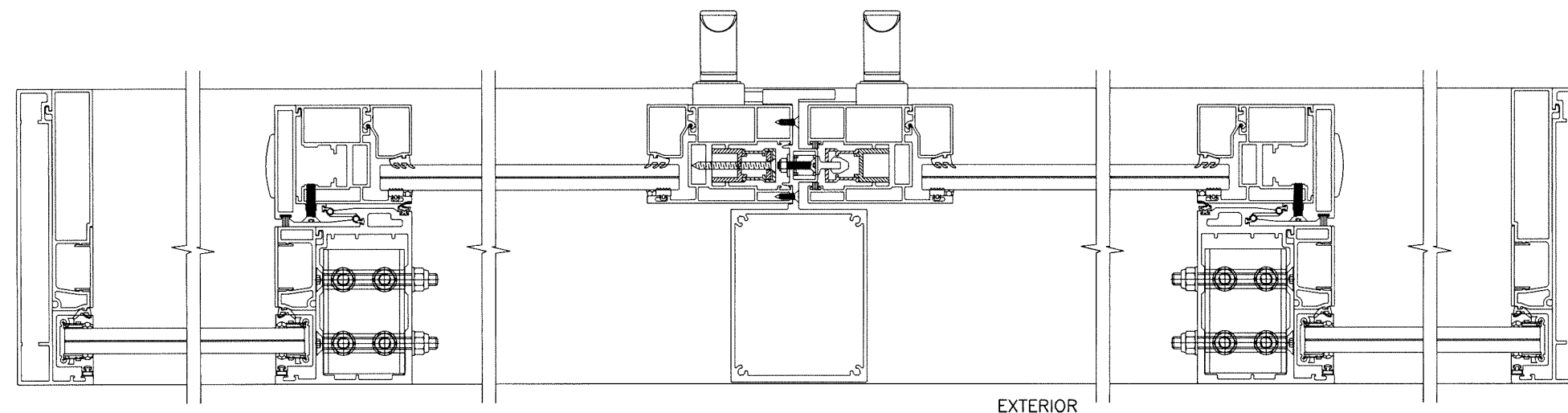
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date: 05-14-20 scale: - dr. by: TARIQ chk. by:

drawing no.
20-46F
sheet 15 of 32



EXTERIOR

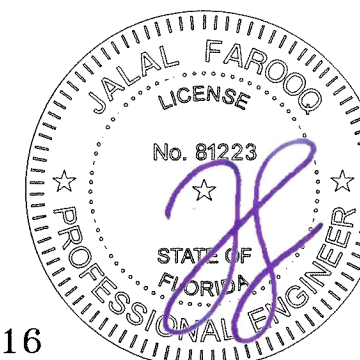


EXTERIOR

1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE SHEETS 4 THRU 7.
3. FOR ANCHOR DETAILS SEE SHEETS 19 THRU 25.
4. FOR ALTERNATE SIZE UNITS MAX. DOOR AREA NOT TO EXCEED 500.5 SQ. FT.

TWO (2) TRACKS

Sealed: 9/24/2026



FL #29516

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

ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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TEL. (305) 264-8100

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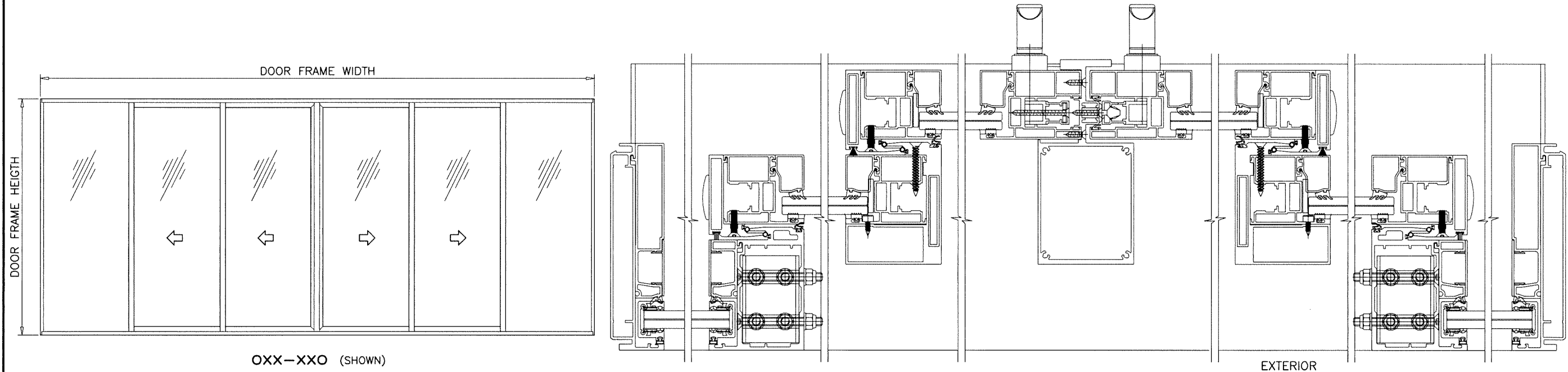
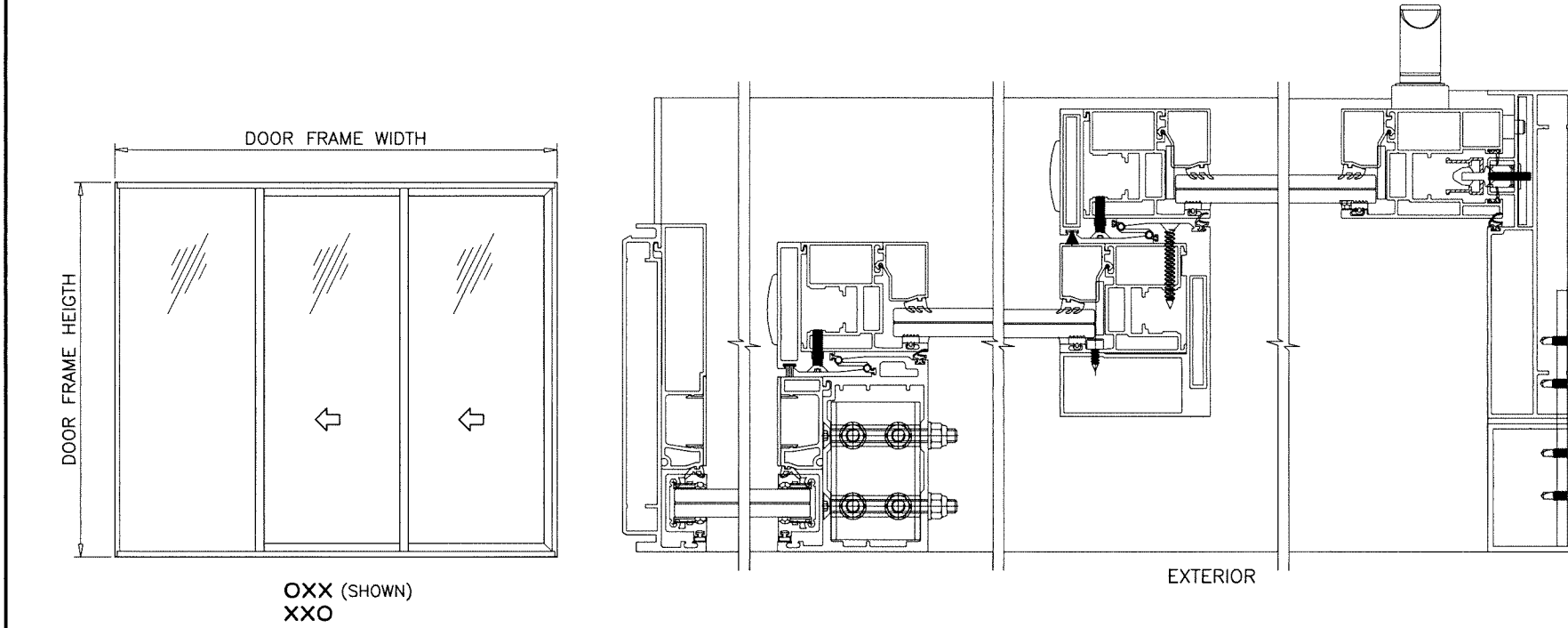
TEL. (305) 264-
FBPE #3538

COMP-ANL\20-46F-ES

date: 05-14-20		revisions:	
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dr. by: TARIQ			
chk. by:			

drawing no. 20-46F

sheet 16 of 32

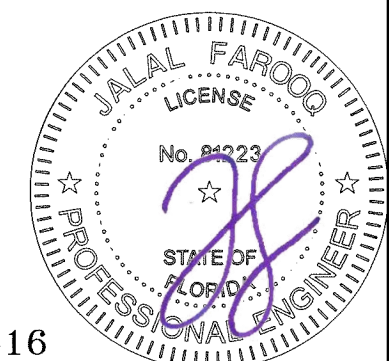


APPROVED CONFIGURATIONS
THREE (3) TRACKS

NOTE:

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2. FOR APPLICABLE DESIGN PRESSURES SEE SHEETS 4 THRU 7.
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4. FOR ALTERNATE SIZE UNITS MAX. DOOR AREA NOT TO EXCEED 500.5 SQ. FT.

Sealed: 9/24/2026



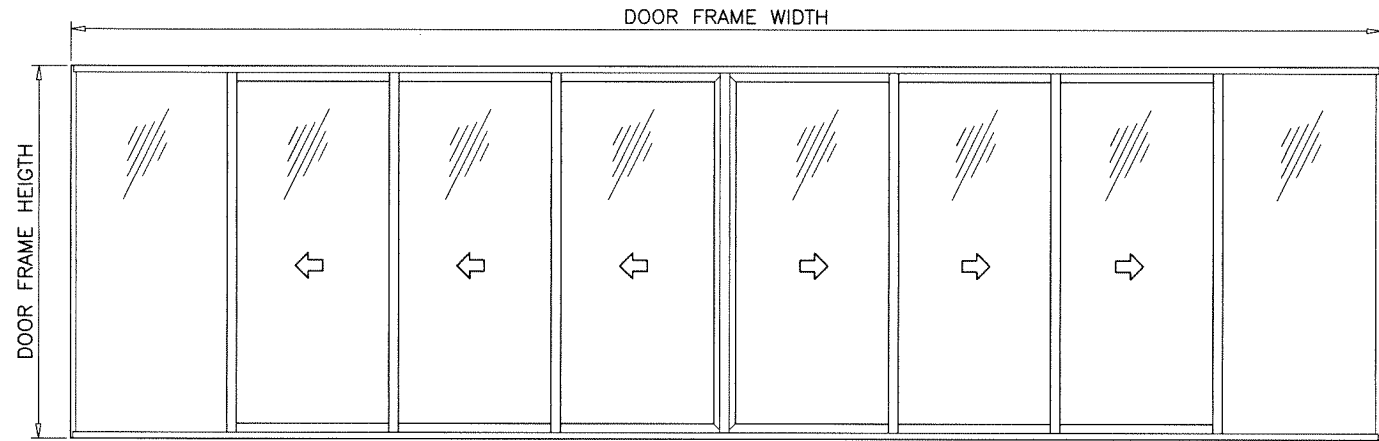
FL #29516

af c
AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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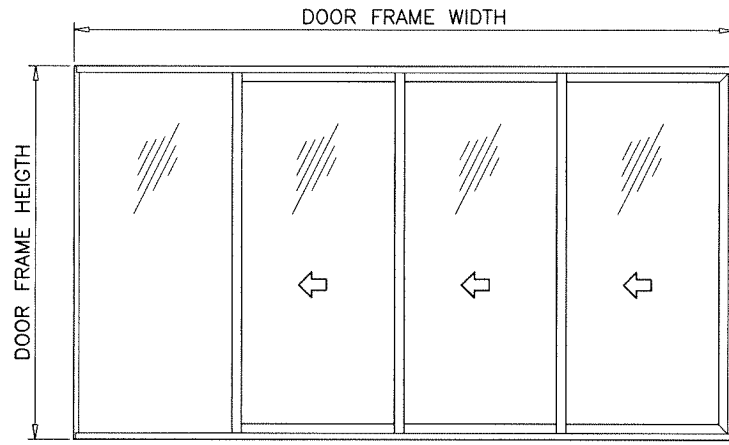
ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	by	description
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dr. by:	TARIQ			
chk. by:				
drawing no.	20-46F			
sheet	17 of 32			

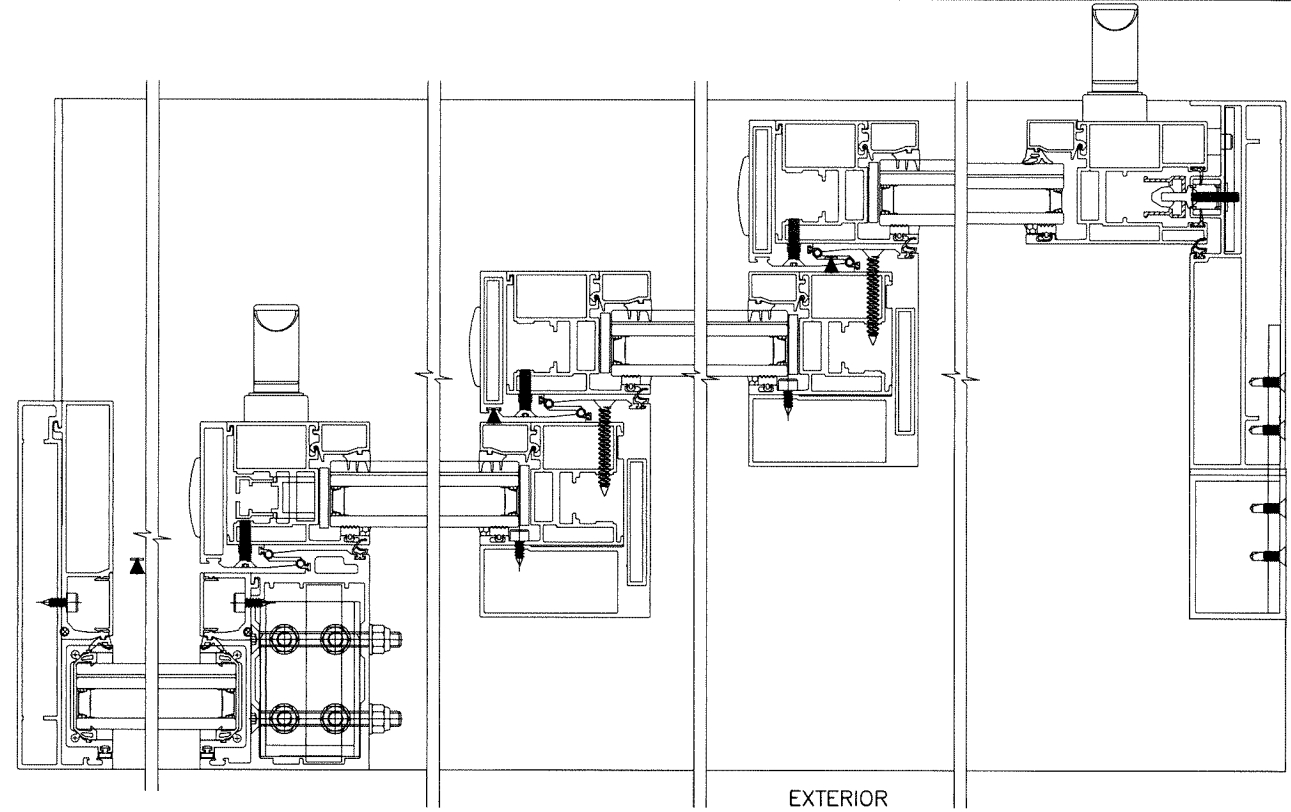
APPROVED CONFIGURATIONS
FOUR (4) TRACKS



OXXX-XXXX (SHOWN)

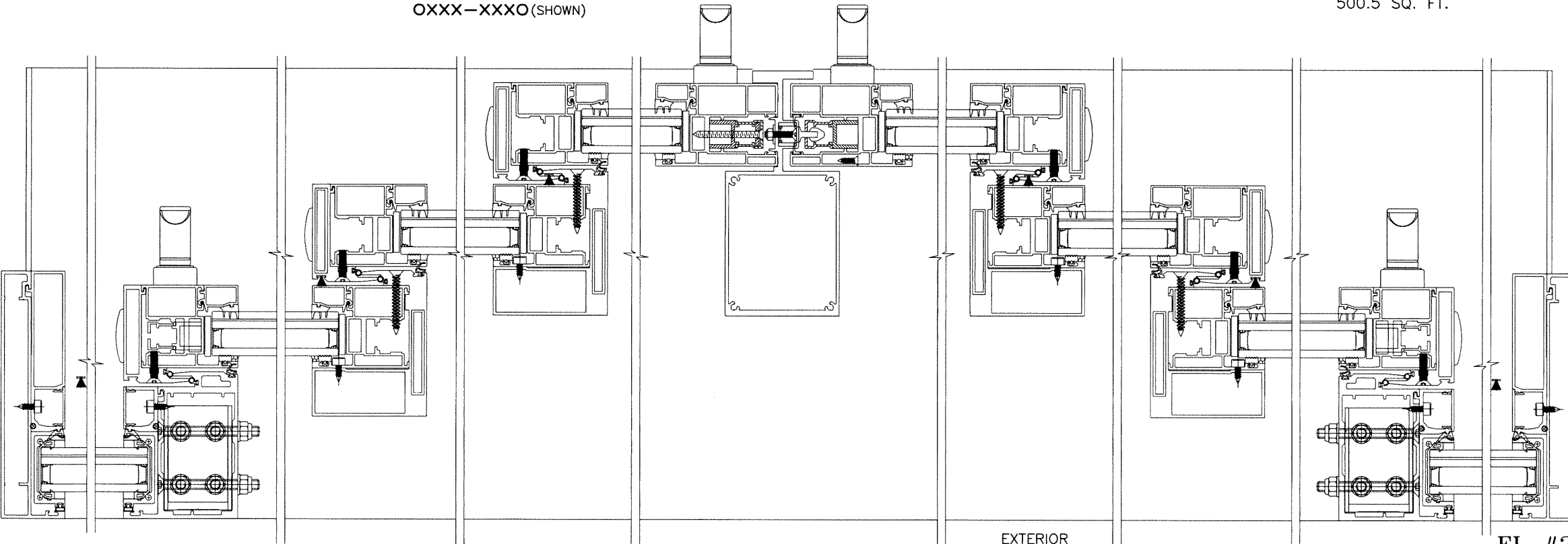


OXXX (SHOWN)
XXXX



NOTE:

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2. FOR APPLICABLE DESIGN PRESSURES SEE SHEETS 4 THRU 7.
3. FOR ANCHOR DETAILS SEE SHEETS 19 THRU 25.
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FL #29516



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ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

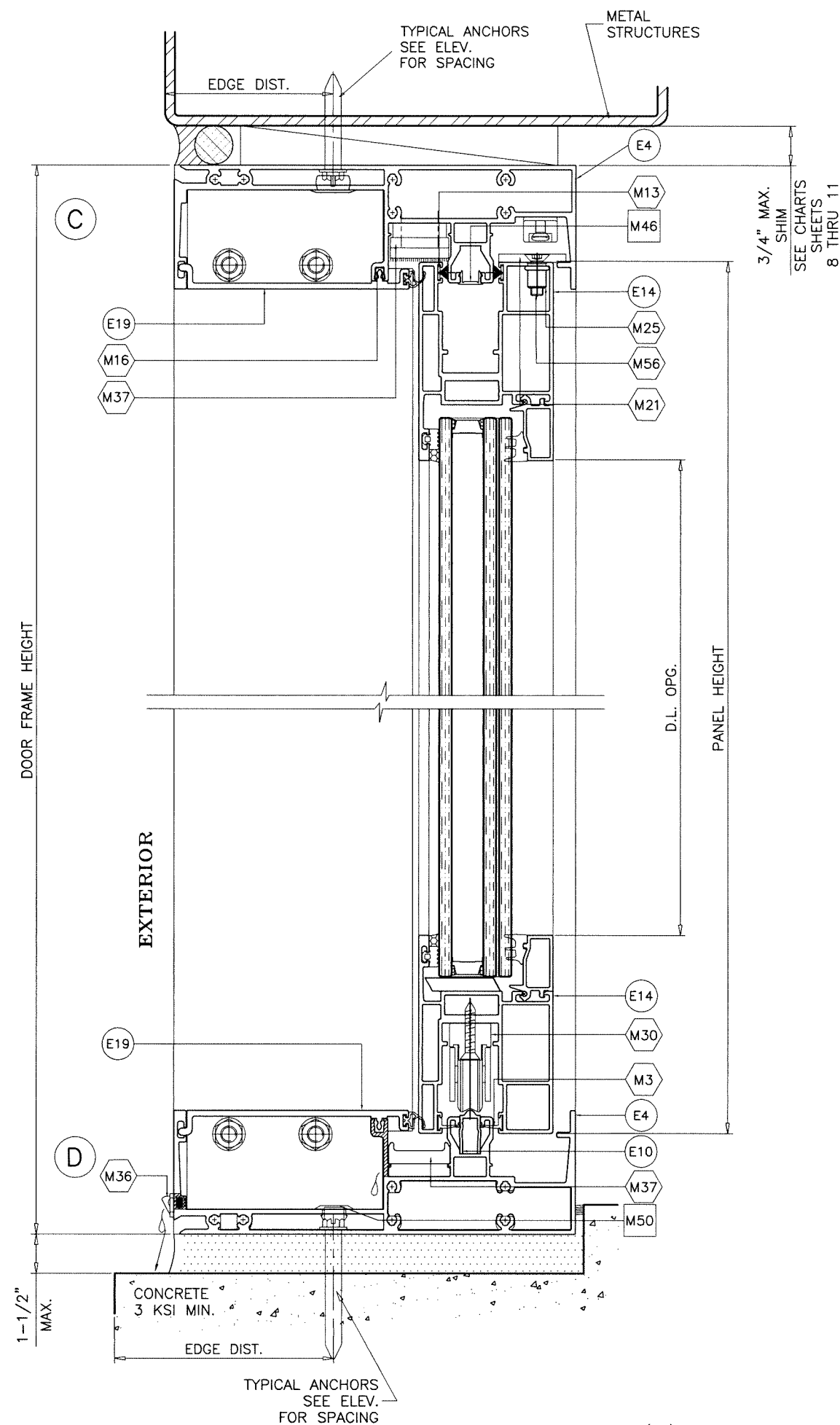
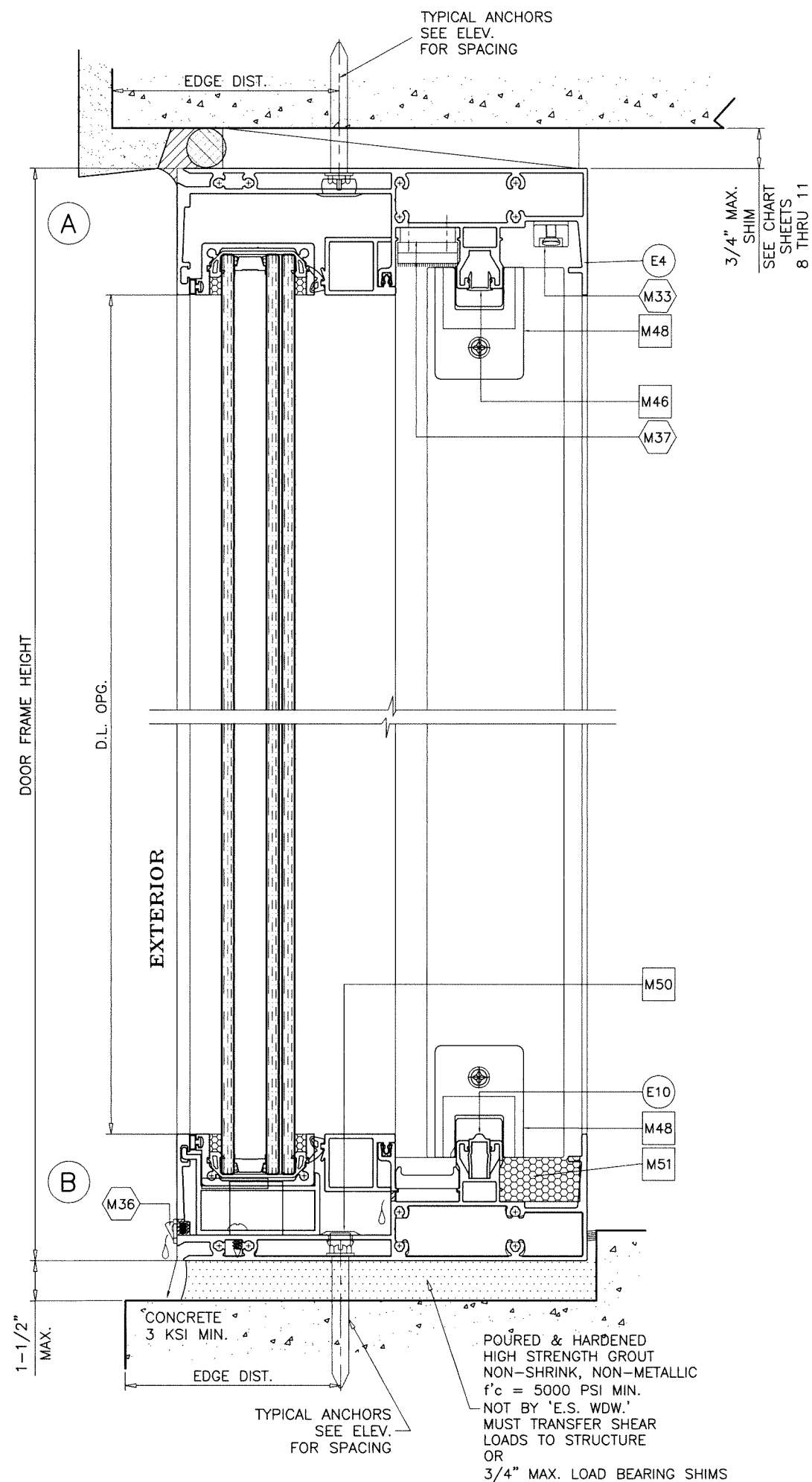
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	
no	date by description

date: 05-14-20
scale: -
dr. by: TARIQ
chk. by:

drawing no.
20-46F

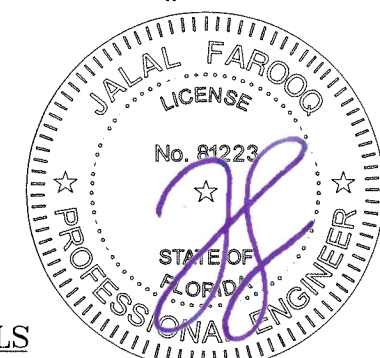
sheet 18 of 32



SLIDING GLASS DOOR SHOWN WITH INSUL. LAM. GLASS ONLY
SYSTEM DETAILS WITH LAMINATED GLASS SEE SHEETS 4 AND 5
SYSTEM DETAILS WITH DOUBLE LAMINATED GLASS SEE SHEET 7

Sealed: 9/24/2026

FL #29516

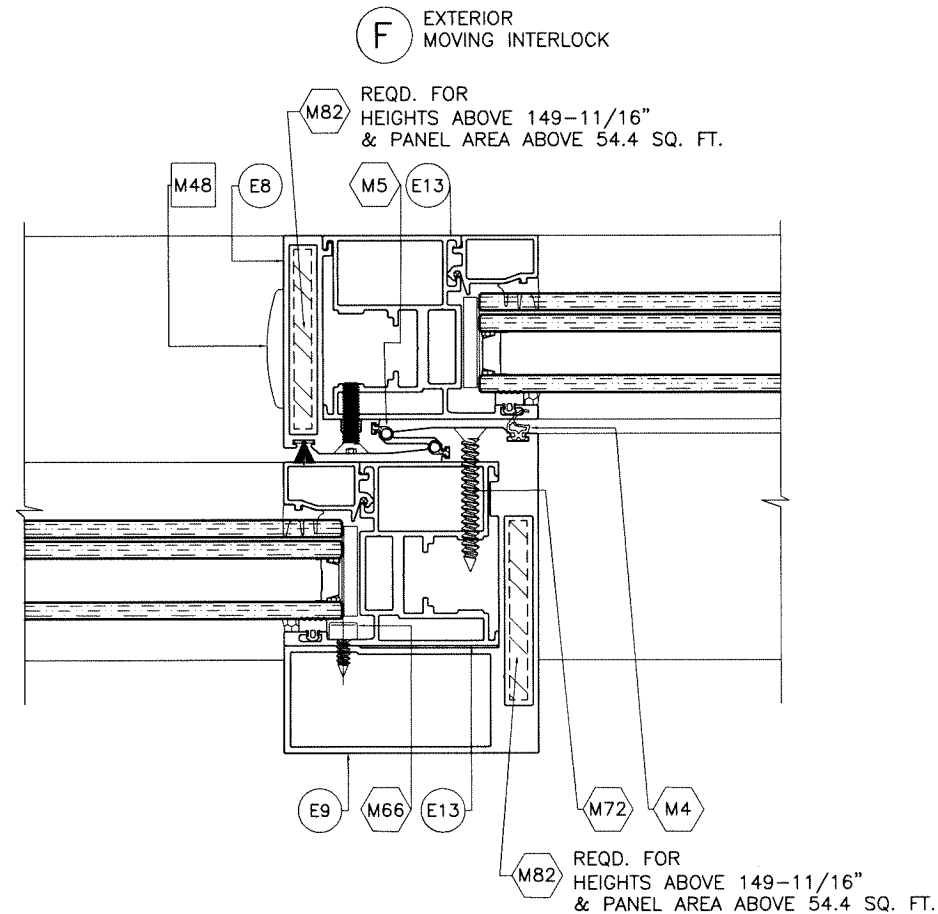
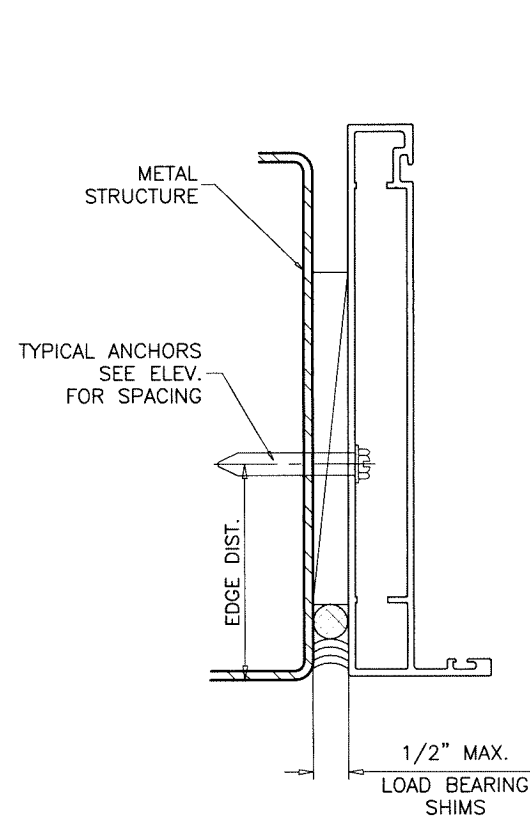
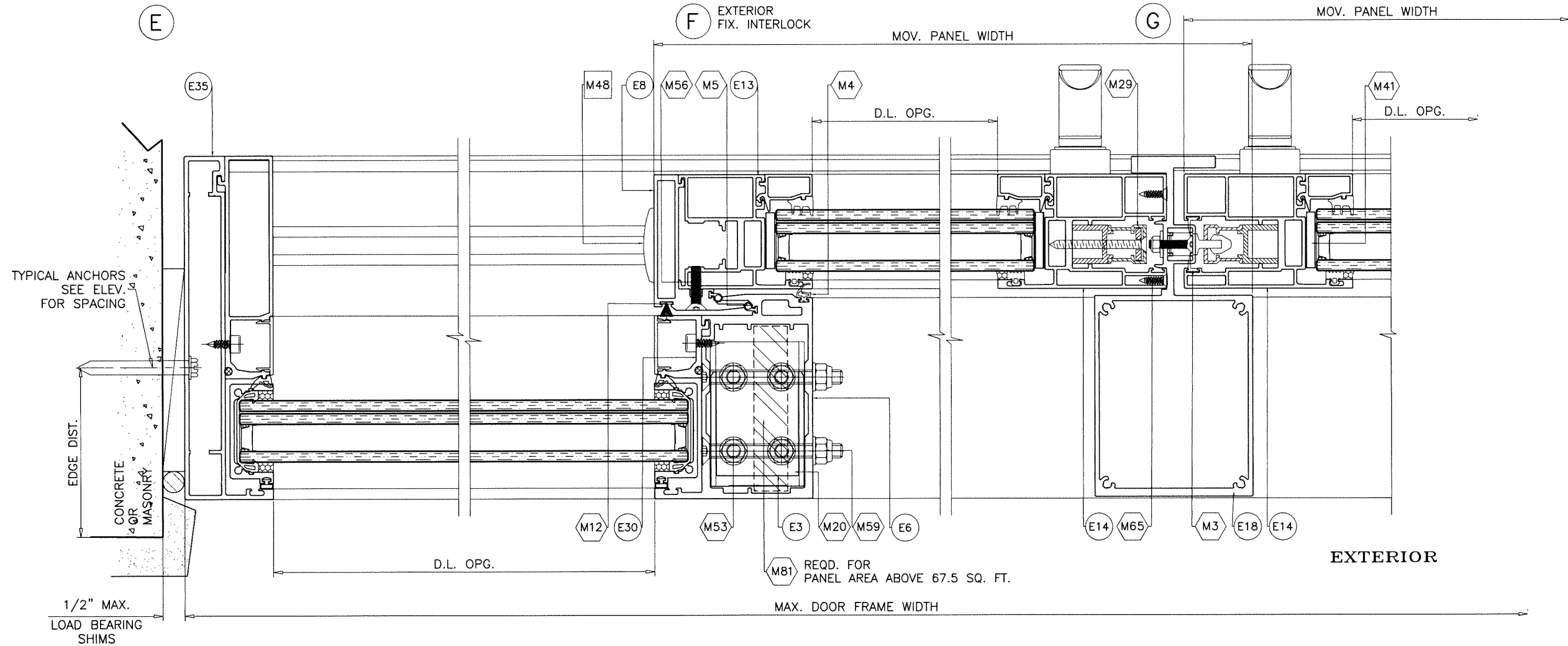


TWO (2) TRACK DOOR DETAILS

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chk. by:		_____	

drawing no. 20-46F

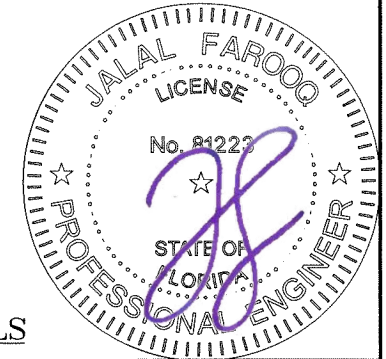
sheet 19 of 32



SLIDING GLASS DOOR SHOWN WITH INSUL. LAM. GLASS ONLY
SYSTEM DETAILS WITH LAMINATED GLASS SEE SHEETS 4 AND 5
SYSTEM DETAILS WITH DOUBLE LAMINATED GLASS SEE SHEET 7

Sealed: 9/24/2026

FL #29516



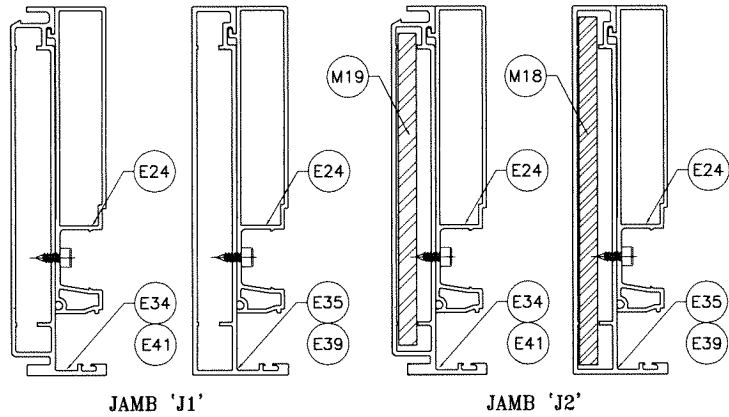
TWO (2) TRACK DOOR DETAILS

af c
AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
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ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)
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MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

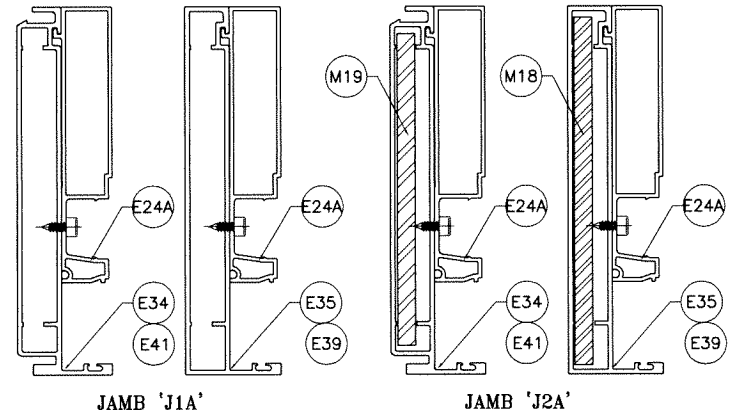
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date:	05-14-20	scale:	3/8" = 1"	dr. by:	TARIQ
chk. by:					
drawing no.	20-46F				
sheet	21 of 32				

FREE STANDING JAMB DESIGN LOAD CAPACITY - PSF							
NOMINAL DIMS.		LAM. GLASS		INSUL. LAM. GLASS		DOUBLE LAM. GLASS	
		JAMB 'J1'	JAMB 'J2'	JAMB 'J1A'	JAMB 'J2A'	JAMB 'J1B'	JAMB 'J2B'
WIDTH (W)	FRAME HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
36"	124"	120.0	120.0	95.0	95.0	95.0	95.0
42"		120.0	120.0	95.0	95.0	95.0	95.0
48"		120.0	120.0	95.0	95.0	95.0	95.0
54"		120.0	120.0	95.0	95.0	95.0	95.0
60"		120.0	120.0	95.0	95.0	95.0	95.0
66"		120.0	120.0	95.0	95.0	95.0	95.0
72"		114.0	120.0	95.0	95.0	89.6	95.0
78"		107.6	120.0	95.0	95.0	87.5	95.0
84"		-	-	95.0	95.0	85.3	95.0
36"	132"	120.0	120.0	95.0	95.0	95.0	95.0
42"		120.0	120.0	95.0	95.0	95.0	95.0
48"		120.0	120.0	95.0	95.0	95.0	95.0
54"		120.0	120.0	95.0	95.0	91.7	95.0
60"		120.0	120.0	95.0	95.0	87.7	95.0
66"		105.1	120.0	91.9	95.0	81.8	95.0
72"		98.0	120.0	86.5	95.0	77.0	95.0
78"		-	-	84.3	95.0	75.0	95.0
84"		-	-	82.1	95.0	73.0	95.0
36"	144"	120.0	120.0	95.0	95.0	95.0	95.0
42"		120.0	120.0	95.0	95.0	95.0	95.0
48"		120.0	120.0	95.0	95.0	95.0	95.0
54"		120.0	120.0	95.0	95.0	85.4	95.0
60"		120.0	120.0	87.3	95.0	77.8	95.0
66"		85.7	120.0	80.4	95.0	71.6	95.0
72"		-	-	74.7	95.0	66.6	95.0
78"		-	-	70.1	95.0	62.4	95.0
80-7/8"		-	-	68.2	95.0	60.7	95.0
36"	150"	120.0	120.0	95.0	95.0	95.0	95.0
42"		117.8	120.0	95.0	95.0	95.0	95.0
48"		103.9	120.0	95.0	95.0	86.9	95.0
54"		93.1	120.0	87.4	95.0	77.9	95.0
60"		84.7	120.0	79.5	95.0	70.8	95.0
62-1/4"		82.0	120.0	76.9	95.0	68.6	95.0
66"		-	-	73.1	95.0	65.2	95.0
72"		-	-	67.9	95.0	60.5	95.0
78"		-	-	63.6	95.0	56.7	95.0
80-7/8"		-	-	61.8	85.0	55.1	85.0
36"	156"	120.0	120.0				
42"		109.6	120.0				
48"		96.6	120.0				
54"		86.6	120.0				
60"		78.7	120.0				
62-1/4"		76.1	120.0				



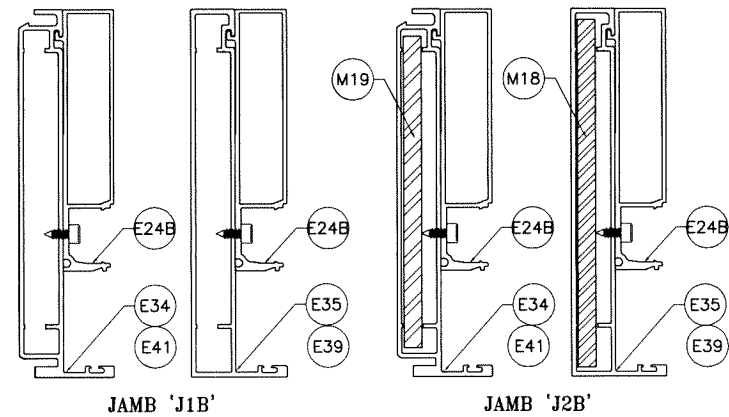
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16.036	4.308

	Ix IN^4	Sx IN^3
ALUMINUM	16.036	4.308
STEEL	8.582	2.641
TOTAL		
Ix ALUM + Ix STL X 2.9	40.677	



Ix IN^4	Sx IN^3
14.788	4.018

	Ix IN^4	Sx IN^3
ALUMINUM	14.788	4.018
STEEL	8.582	2.641
TOTAL		
Ix ALUM + Ix STL X 2.9	34.217	



Ix IN^4	Sx IN^3
14.408	3.496

	Ix IN^4	Sx IN^3
ALUMINUM	14.408	3.496
STEEL	8.582	2.641
TOTAL		
Ix ALUM + Ix STL X 2.9	39.049	

Sealed: 9/24/2026

FL #29516



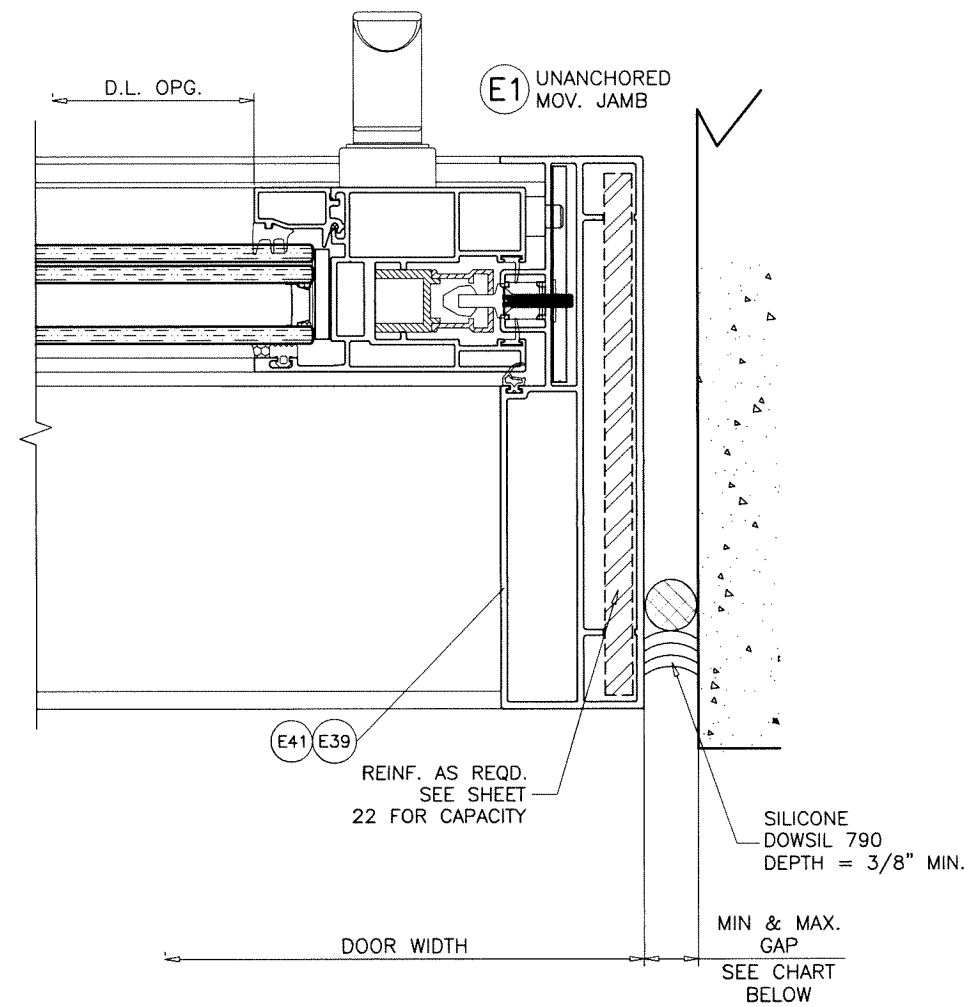
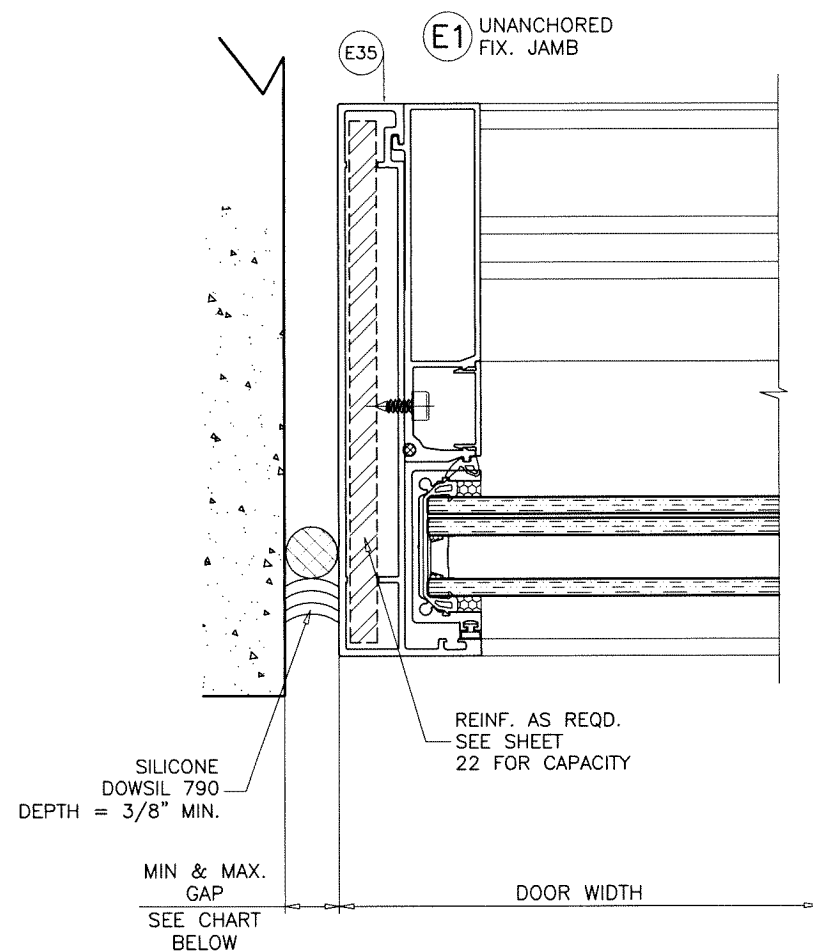
af
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
COMP - ANL \ 20-46F - ES
FBPE #3538

ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:
no date by description

date: 05-14-20
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
20-46F
sheet 22 of 32



GAPS FOR UNANCHORED JAMBS				
MAX. FRAME HEIGHT	DOWSIL 790		DOWSIL 795	
	MIN.	MAX.	MIN.	MAX.
96"	5/16"	3/4"	1/2"	3/4"
102"	3/8"	3/4"	9/16"	3/4"
114"	3/8"	3/4"	5/8"	3/4"
124"	7/16"	3/4"	5/8"	3/4"
132"	7/16"	3/4"	11/16"	3/4"
138"	1/2"	3/4"	11/16"	3/4"
156"	1/2"	3/4"	-	-

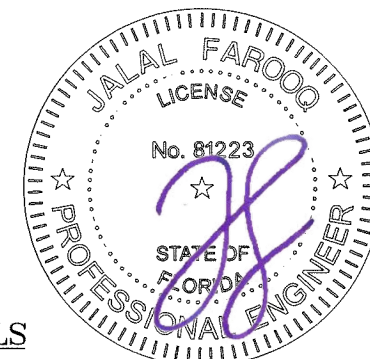
NOTE:
 MAX. MOVEMENT CONSIDERED=100% STRETCH.
 PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOW WALL MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.
 REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.

ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.

GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.

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FL #29516



TWO (2) TRACK DOOR DETAILS

af c
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 COMP-ANL\20-46F-ES

ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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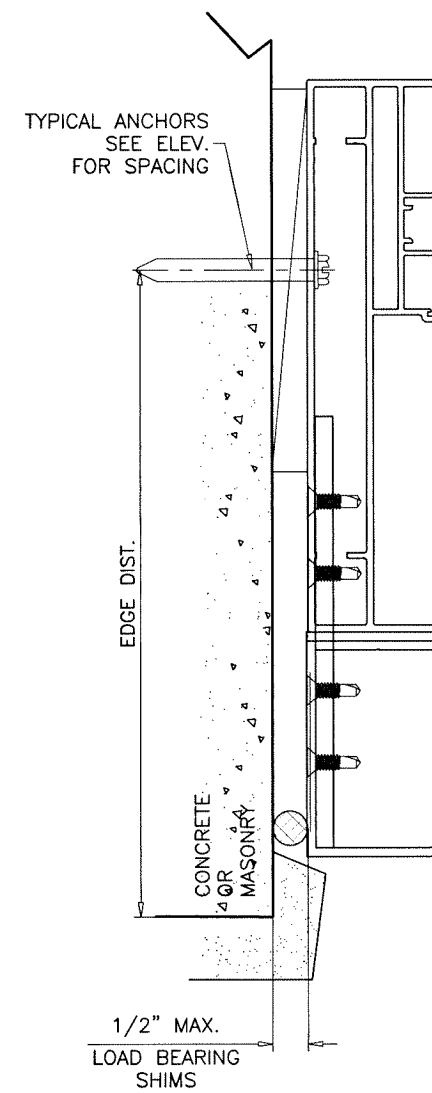
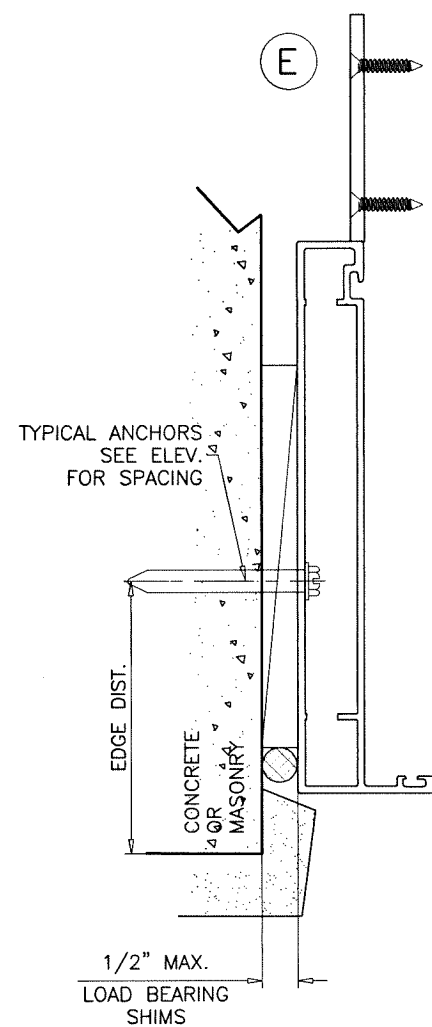
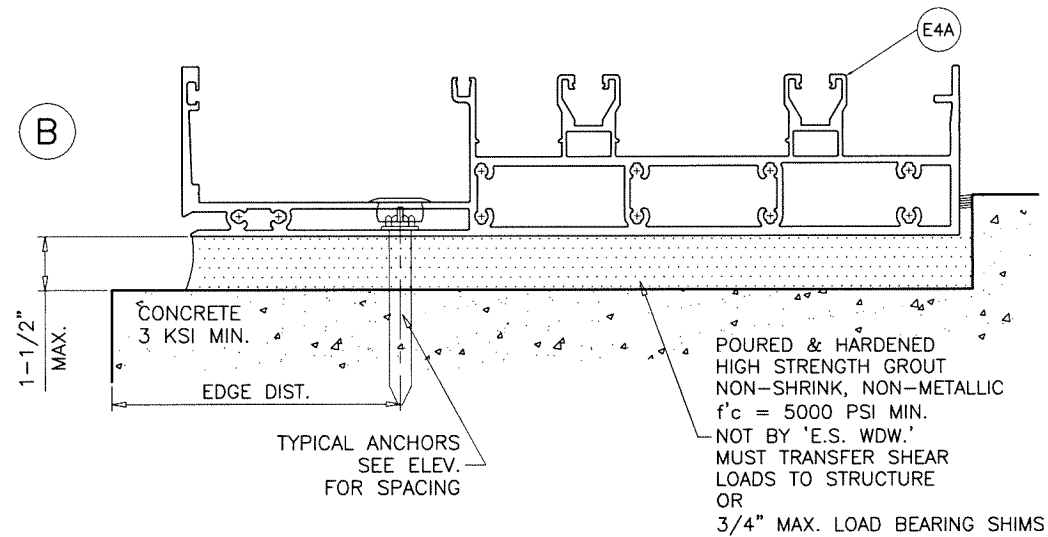
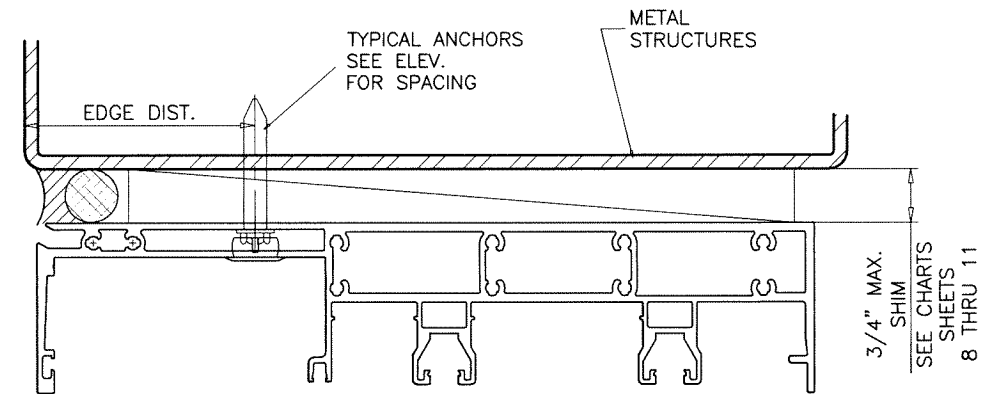
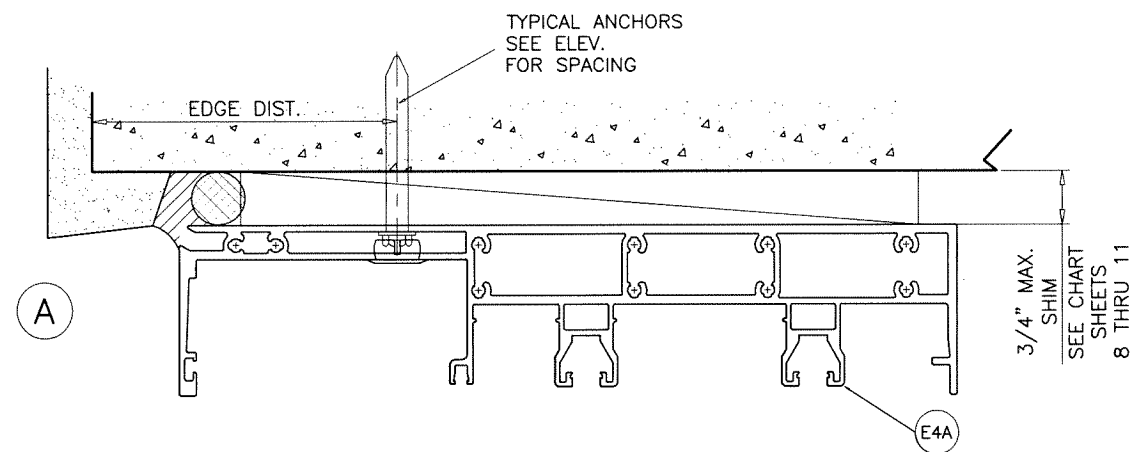
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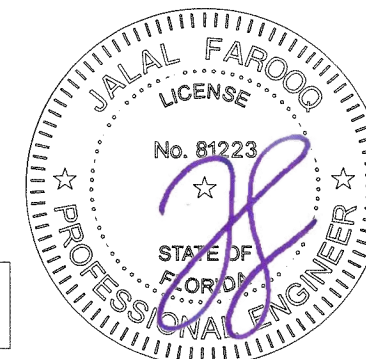
20-46F

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3 TRACK FRAMES



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

revisions:
no date by description

date: 05-14-20

scale: $3/8" = 1"$

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chk. by:

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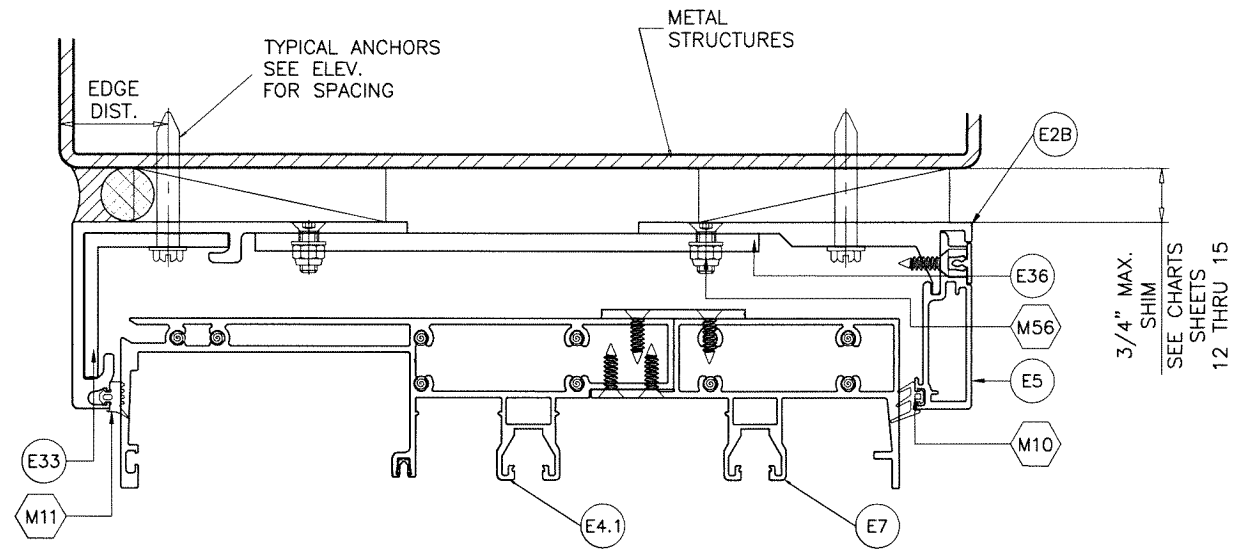
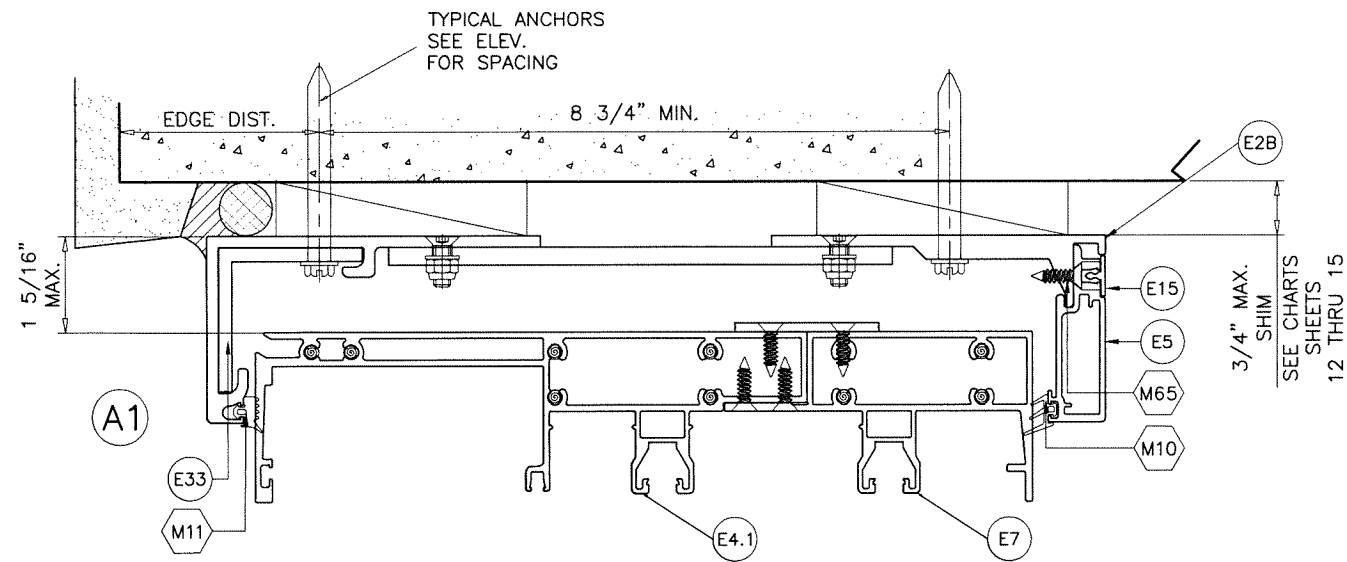
20-46F

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173

MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM

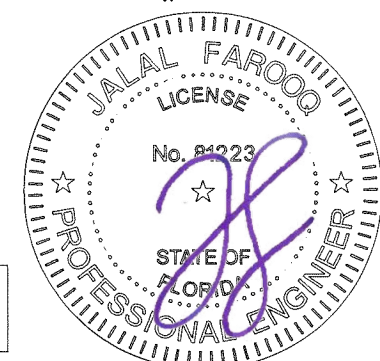
COMP-ANL\20-46F-ES



Sealed: 9/24/2026

FL #29516

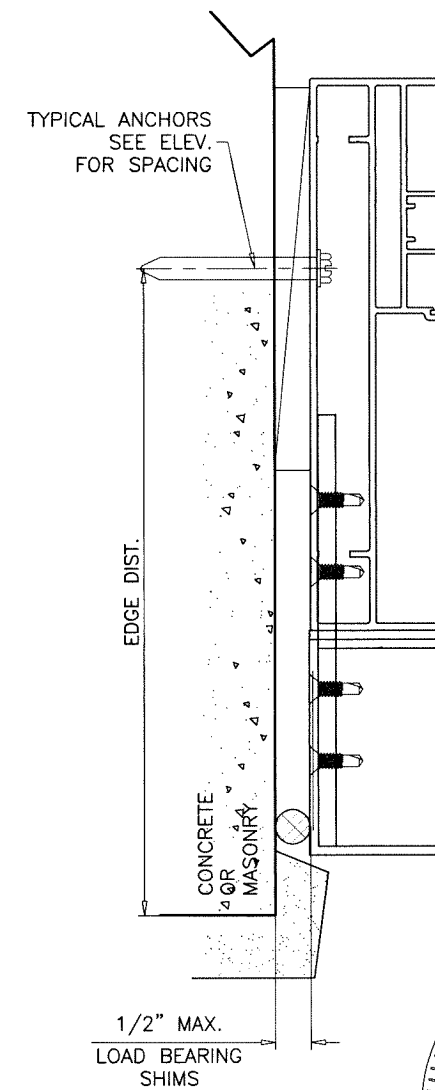
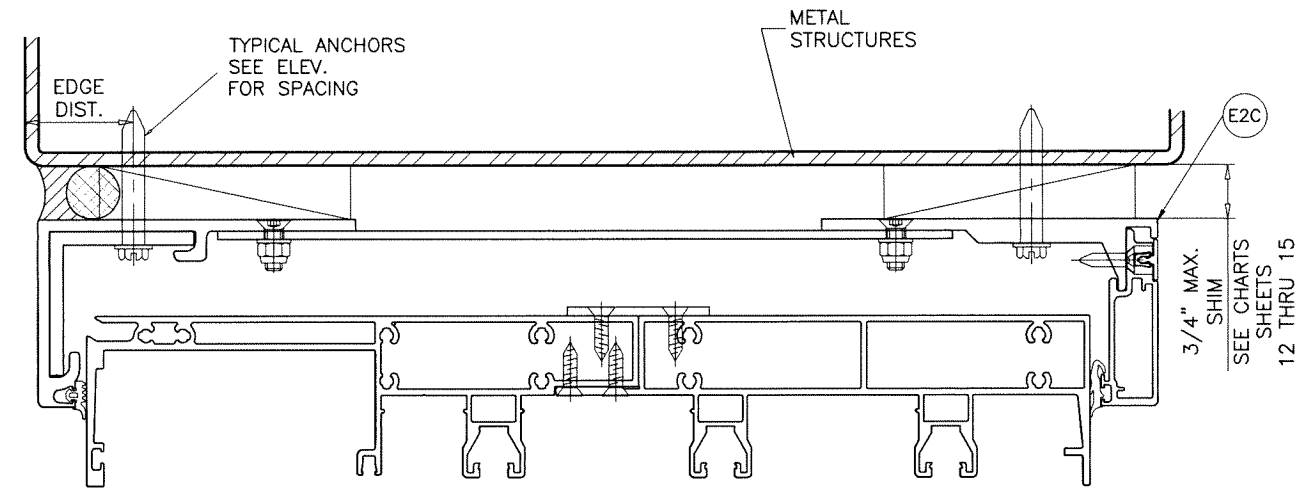
3 TRACK FRAMES
ANCHOR LOCATIONS



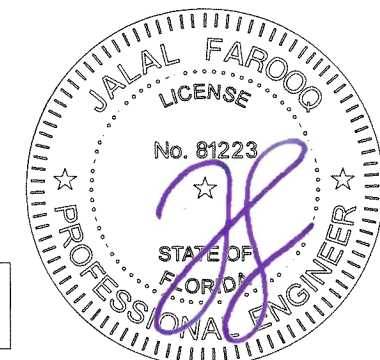
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chk. by:	
drawing no.	20-46F
sheet	25 of 32

ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)
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dr. by: TARIQ		
chk. by:		
drawing no.		
20-46F		
sheet 26 of 32		

ITEM NO.	PART NO.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E2	ES-LS7035-005	HEAD RECEPTOR (2 TRACK)	6063-T6	-
E2A	ES-LS7035-059	HEAD RECEPTOR (3 TRACK)	6063-T6	-
E2B	-	HEAD RECEPTOR (3 TRACK)	6063-T6	-
E2C	-	HEAD RECEPTOR (4 TRACK)	6063-T6	-
E3	ES-LS7035-057	INTERLOCK JOINT	6005-T5	-
E4	ES-LS7035-008	FRAME HEAD/SILL (2 TRACK)	6005-T6	-
E4.1	ES-LS7035-026	ADD-ON FRAME HEAD/SILL FRONT (3 & 4 TRACK)	6005-T6	-
E4A	ES-LS7035-062	FRAME HEAD/SILL (3 TRACK)	6005-T6	-
E5	ES-LS7035-009	HEAD RECEPTOR INSERT	6063-T6	-
E6	ES-LS7035-010	PANEL INTERLOCK	6063-T6	-
E7	ES-LS7035-011	ADD-ON HEAD/SILL TRACK	6063-T6	-
E7A	ES-LS7035-027	ADD-ON HEAD/SILL TRACK	6063-T6	-
E8	ES-LS7035-012	INTERLOCK STIFFENER	6063-T6	-
E9	ES-LS7035-013	PANEL INTERLOCK STIFFENER	6063-T6	-
E10	ES-LS7035-042	RAIL	6063-T5	-
E11	ES-LS7035-041	CORNER JOINT	6005-T5	-
E12	ES-LS7035-040	CORNER JOINT	6005-T5	-
E13	ES-LS7035-017	PANEL LOCK STILE	6063-T6	-
E14	ES-LS7035-018	PANEL TOP/BOTTOM RAIL, LOCK STILE	6063-T6	-
E15	ES-LS7035-019	HEAD RECEPTOR INSERT CLIP	6063-T6	-
E16	ES-LS7035-020	GLASS STOP COVER	6063-T6	-
E17	ES-LS7035-021	PANEL GLASS STOP	6063-T6	-
E18	ES-LS7035-022	ASTRAGAL STILE	6063-T6	-
E19	ES-LS7035-023	FRAME COVER	6063-T6	-
E20	ES-LS7035-024	THRESHOLD COVER (3 TRACK)	6063-T6	-
E21	ES-LS7035-026	ADD-ON HEAD/SILL (3 TRACK FRONT)	6063-T6	-
E22	ES-LS7035-031	PANEL GLASS STOP (LAM. GLASS)	6063-T6	-
E22A	ES-LS7035-055	PANEL GLASS STOP (INSUL. LAM. GLASS)	6063-T6	-
E22B	ES-LS7035-056	PANEL GLASS STOP (DOUBLE LAM. GLASS)	6063-T6	-
E24	ES-LS7035-016	FRAME GLASS STOP (LAM. GLASS)	6063-T6	-
E24A	ES-LS7035-048	FRAME GLASS STOP (INSUL. LAM. GLASS)	6063-T6	-
E24B	ES-LS7035-054	FRAME GLASS STOP (DOUBLE LAM. GLASS)	6063-T6	-
E25	ES-LS7035-020	GLASS STOP COVER (LAM. GLASS)	6063-T6	-
E25A	ES-LS7035-047	GLASS STOP COVER (INSUL. LAM. GLASS)	6063-T6	-
E25B	ES-LS7035-053	GLASS STOP COVER (DOUBLE LAM. GLASS)	6063-T6	-
E26	ES-LS7035-037	HORIZ. GLASS STOP (LAM. GLASS)	6063-T6	-
E26A	ES-LS7035-046	HORIZ. GLASS STOP (INSUL. LAM. GLASS)	6063-T6	-
E26B	ES-LS7035-052	HORIZ. GLASS STOP (DOUBLE LAM. GLASS)	6063-T6	-
E28	ES-LS7035-037	FRAME FIXED SILL ADAPTOR (LAM. GLASS)	6063-T6	-
E28A	ES-LS7035-045	FRAME FIXED SILL ADAPTOR (INSUL. LAM. GLASS)	6063-T6	-
E28B	ES-LS7035-051	FRAME FIXED SILL ADAPTOR (DOUBLE LAM. GLASS)	6063-T6	-
E29	ES-LS7035-036	FRAME FIXED (LAM. GLASS)	6063-T6	-
E29A	ES-LS7035-044	FRAME FIXED (INSUL. LAM. GLASS)	6063-T6	-
E29B	ES-LS7035-050	FRAME FIXED (DOUBLE LAM. GLASS)	6063-T6	-
E30	ES-LS7035-049	FIXED PANEL VERT. GLASS STOP (INSUL. LAM. GLASS)	6063-T6	-
E31	ALU-P-051	SHIM LOCK/END DAM	6063-T6	-
E32	ALU-P-002	HEAD/SILL JOINT PLATE (3 TRACK)	6063-T6	-
E33	ALU-A-028	GUIDE ANGLE, 26" LONG AT MTG. STILE, 18" LONG AT JAMB	6063-T6	-
E34	ES-LS7035-001	FIX. FRAME JAMB	6063-T6	-
E35	ES-LS7035-033	ALT. FIX. FRAME JAMB	6063-T6	-
E36	ES-PL-1002	JOINT PLATE HEAD RECEPTOR (3 & 4 TRACKS)	6063-T6	-
E37	T-007	JAMB EXTENSION TUBE (3 TRACK)	6063-T6	-
E39	ES-LS7035-032	MOV. FRAME JAMB	6063-T6	-
E40	ES-LS7035-046	FIXED PANEL HORIZ. GLASS STOP	6063-T6	-
E41	ES-LS7035-007	ALT. MOV. FRAME JAMB	6063-T6	-
E44	ALU-P-060	JOINT PLATE	6063-T6	-

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FBPE #3538

ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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ITEM NO.	PART NO.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
M1	ES-SD202-G02 S	GLAZING GASKET (9/16" LAM. GLASS)	SILICONE	DUROMETER 70±5 SHORE A
M1.1	ES-7035-G09 S	GLAZING GASKET (7/16" LAM. GLASS)	SILICONE	DUROMETER 70±5 SHORE A
M1A	ES-LS7035-G11 S	GLAZING GASKET (INSUL. LAM. GLASS)	SILICONE	DUROMETER 70±5 SHORE A
M1B	ES-LS7035-B01 S	GLAZING GASKET EXTERIOR (DOUBLE LAM. GLASS)	SILICONE	DUROMETER 70±5 SHORE A
M1C	ES-LS7035-B02 S	GLAZING GASKET INTERIOR (DOUBLE LAM. GLASS)	SILICONE	DUROMETER 70±5 SHORE A
M2	V-026	BULB GASKET	PVC	-
M3	ES-LS7035-G05 E	LEAF W'STRIPPING (ACTIVE STILE & BOTTOM RAIL)	EPDM	DUROMETER 70±5 SHORE A
M4	ES-LS7035-G04 P	LEAF W'STRIPPING (THRESHOLD)	SILICONE	DUROMETER 70±5 SHORE A
M5	ES-LS7035-G01 S	BULB W'STRIPPING (INTERLOCK)	SILICONE	DUROMETER 65±5 SHORE A
M6	ES-LS7035-G01 S	EXTERIOR GLAZING GASKET (PANEL)	SILICONE	DUROMETER 65±5 SHORE A
M7	-	MOV. PANEL INTERIOR GLAZING GASKET	SILICONE	DUROMETER 65±5 SHORE A
M7A	ES-LS7035-G06 S	MOV. PANEL INTERIOR GLAZING GASKET	SILICONE	DUROMETER 65±5 SHORE A
M8	ES-LS7035-G02 S	FIX. PANEL INTERIOR GASKET	SILICONE	DUROMETER 65±5 SHORE A
M9	ES-LS7035-G07S	GLAZING GASKET	SILICONE	DUROMETER 65±5 SHORE A
M10	ES-LS7035-G08 S	HEAD RECEPTOR GASKET (INTERIOR)	SILICONE	DUROMETER 70±5 SHORE A
M11	ES-LS7035-G03 S	HEAD RECEPTOR GASKET (EXTERIOR)	SILICONE	DUROMETER 70±5 SHORE A
M12	FEL-055	PILE W'STRIPPING (320H X 266W) (INTERLOCK STIFFENER)	POLYPROPYLENE	-
M13	FEL-056	PILE W'STRIPPING (200H X 266W) (MOV. TOP RAIL)	POLYPROPYLENE	-
M16	ES-LS7035-P07	COVER	NYLON	-
M18	-	MULLION REINF. BAR (3/8" X 7-1/4")	STEEL	A36, Fu MIN. = 58 KSI
M19	-	MULLION REINF. BAR (3/8" X 6-1/2")	STEEL	A36, Fu MIN. = 58 KSI
M20	ES-LS7035-057	-	ST. STEEL	-
M21	ES-LS7035-PLA01	LEAF SECURITY PLATE	ST. STEEL	-
M25	1037015	M10 X 10 RIVET NUT, 2 PER MOV. PANEL	ST. STEEL	-
M29	6-300XX-28-0-1	LIFTING MACHANISM	ST. STEEL	-
M30	K-16488-00-0-18	ROLLER ASSEMBLY	ST. STEEL	-
M33	ES-LS7035-P06	ANTI-LIFT DEVICE	NYLON	-
M36	ES2000	WEEP HOLE COVER	-	-
M37	ES-LS7035-P03/02	CENTRAL BRUSH SPONGE	POLYURETHANE	-
M41	ES-4520-B02A	SIDE BLOCKS	SILICONE	DUROMETER 80±5 SHORE A
M42	EMP-691 80-358A S	SETTING BLOCKS AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
M43	ES-7000-B01A S	SETTING BLOCKS AT 1/4 POINTS	SILICONE	DUROMETER 80±5 SHORE A
M46	RAL9005	FRAME HEAD TRACK COVER	NYLON	-
M48	ES-LS7035-P04	GUIDE INTERLOCK MOV. PANEL	NYLON	-
M50	9750K71	ANCHOR PLUG	STEEL	-
M51	ES7530-F09	OPEN CELL FOAM, 1-5/8" X 1-1/2" X 4" LONG	FOAM	-
M53	TOR 931 8X25MM	INTERLOCK JOINT FASTENER	ST. STEEL	SOCKET HEX
M56	1037015	M6 X 20 COUNTER SUNK NUT, SECURITY PLATE FASTENER	ST. STEEL	-
M59	M6 X 25	HORIZONTAL JOINT FASTENER	ST. STEEL	HEX FL
M65	#10-24 X 3/4"	RECEPTOR INSERT AND ASTRAGAL FASTENER	ST. STEEL	PHIL FH
M66	M4.8 X 13	FIX. PANEL GLASS STOP FASTENERS	ST. STEEL	OVAL HEAD SCREW
M72	#14 X 2"	INTERLOCK INTERMEDIATE FASTENER	ST. STEEL	PHIL FH
M81	-	FIX. INTERLOCK REINF. (3/4" X 3-11/16")	STEEL	-
M82	-	MOV. INTERLOCK REINF. (1/4" X 2-1/2")	STEEL	-
M83	#10 X 1"	FIX. PANEL ASSEMBLY FASTENER	ST. STEEL	FH SMS

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE.

LOCK:

SURFACE MOUNT METALLIC FOUR POINT LOCK
AT 42" FROM BOTTOM
FASTENED TO LOCK STILE WITH
(2) #10 X 1-1/2" FH SELF DRILLING SCREWS

SURFACE MOUNT METALLIC KEEPER FACING LOCKING POINTS AT 39" O.C. MAX.
FASTENED WITH
(2) #10 X 1-1/2" FH SMS



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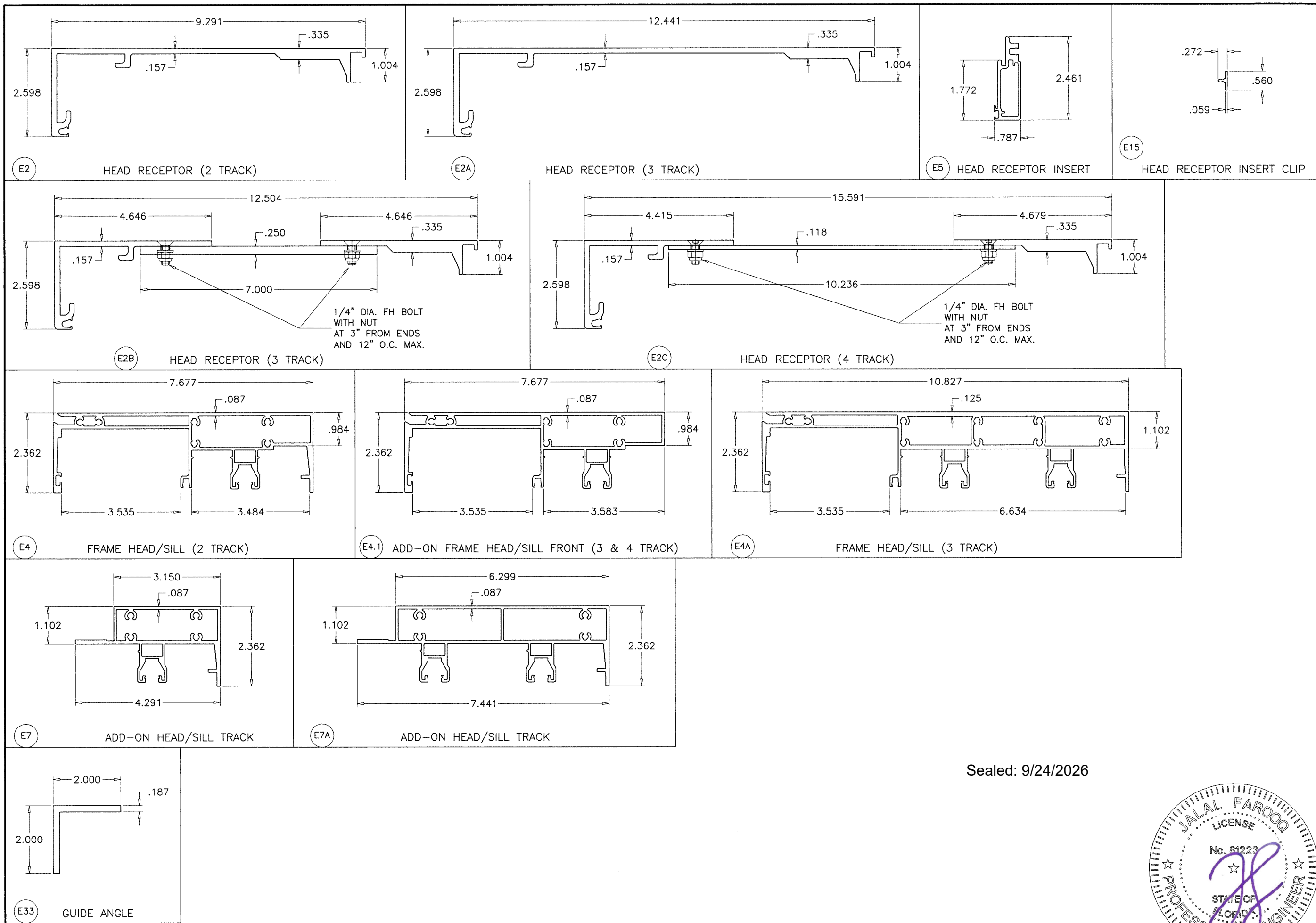
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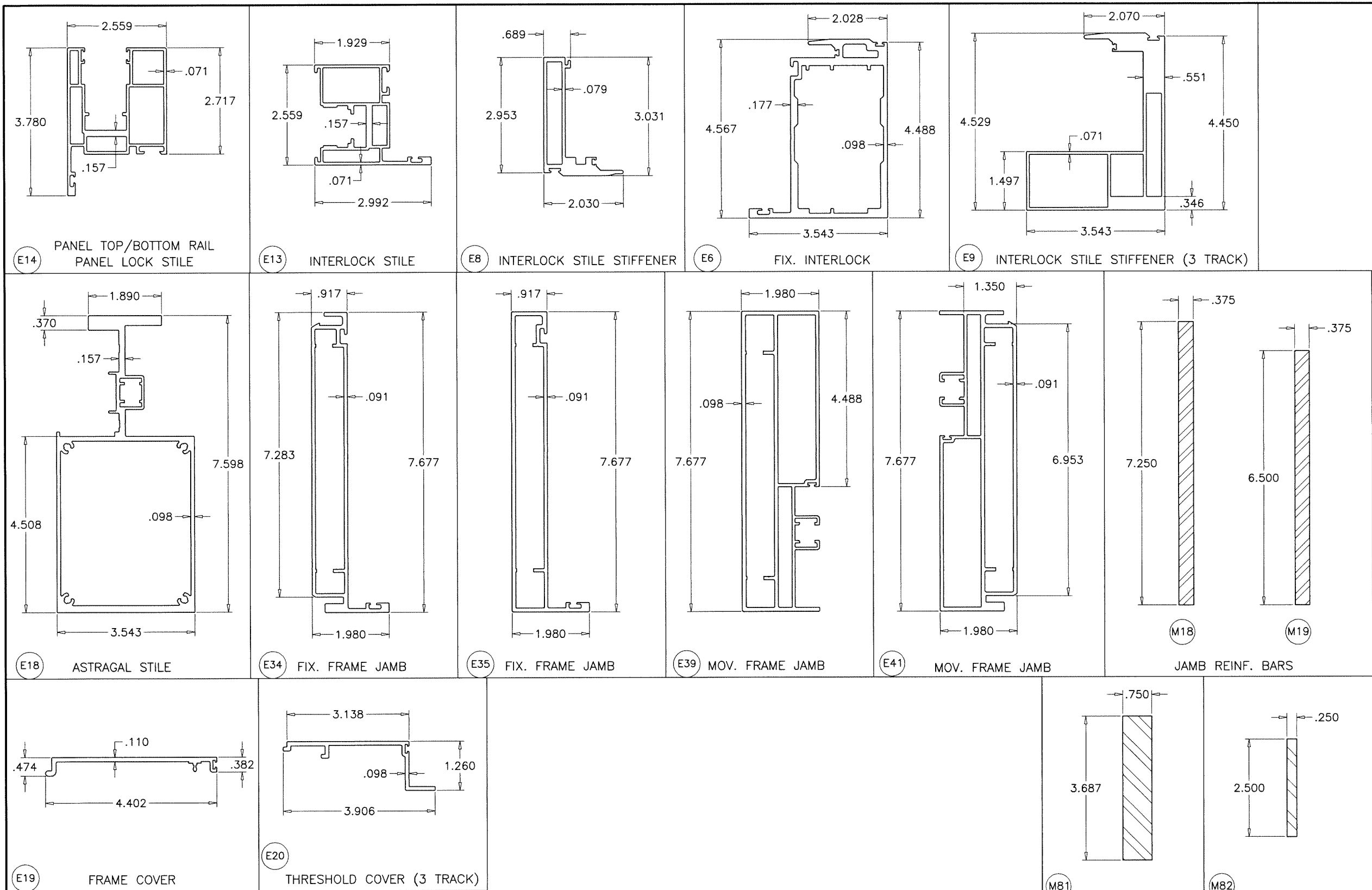
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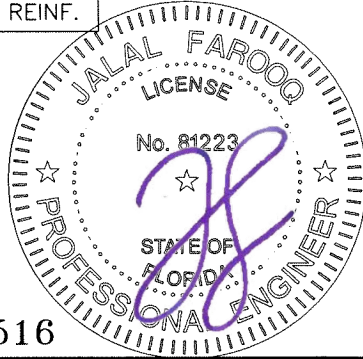


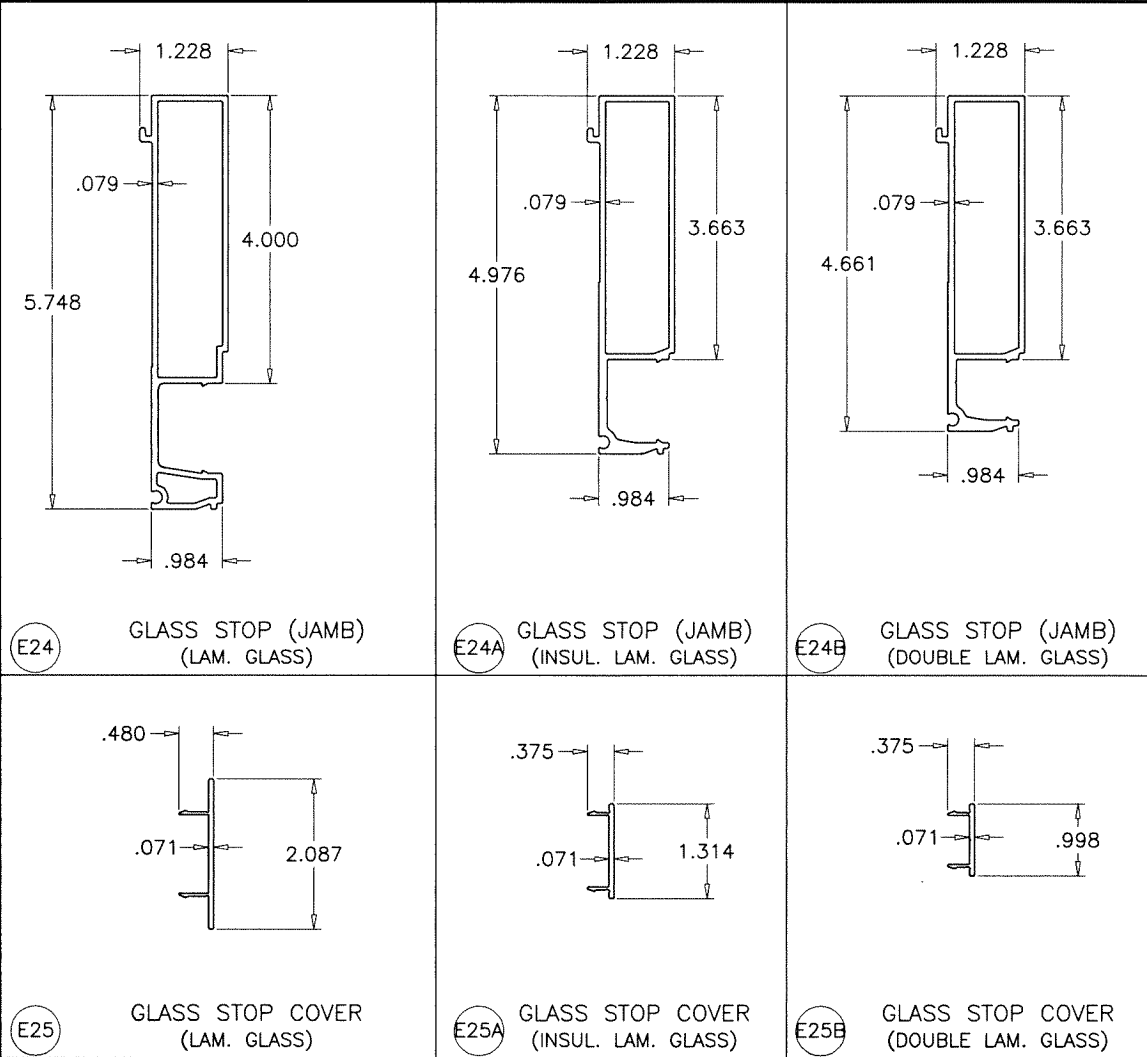
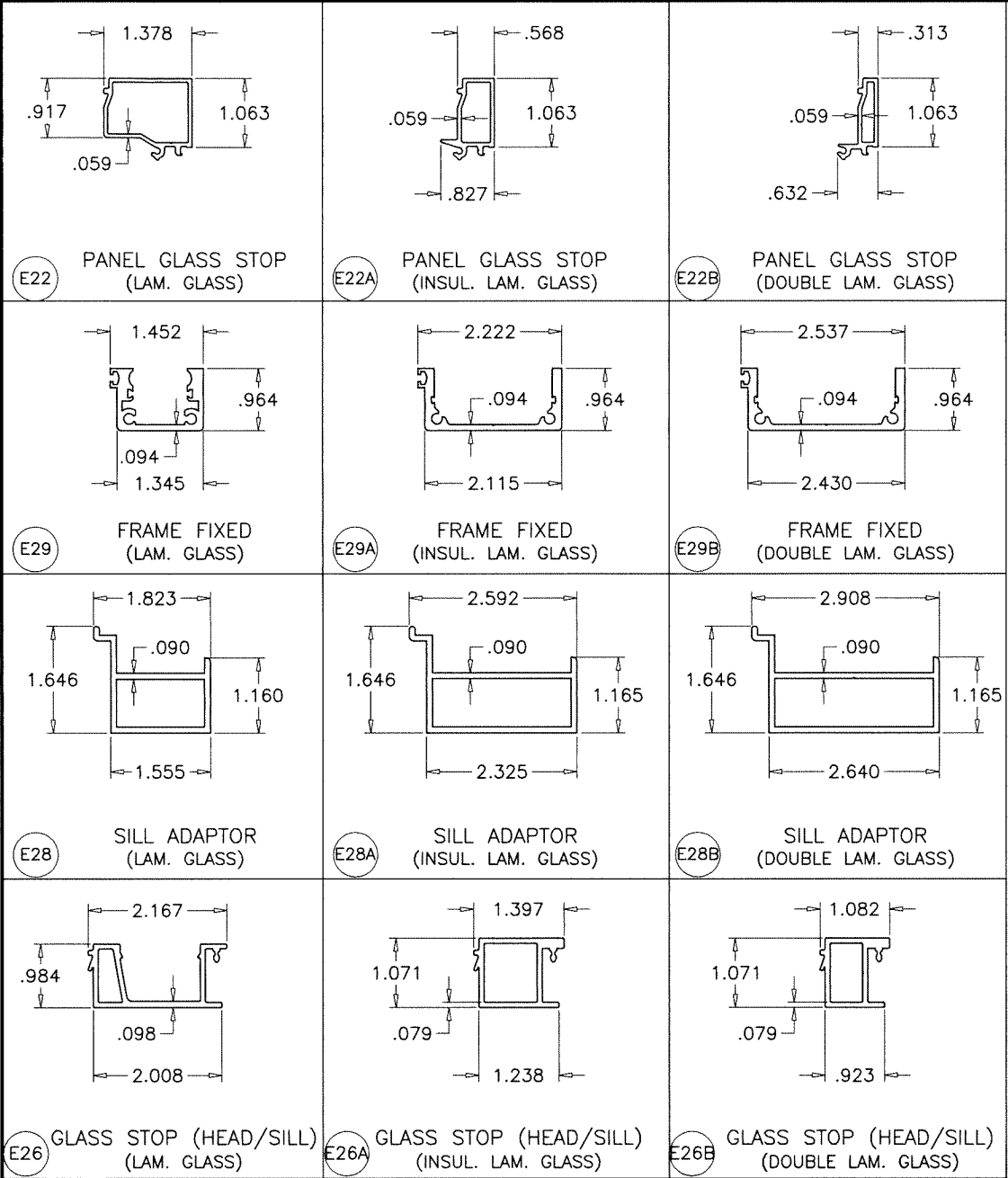
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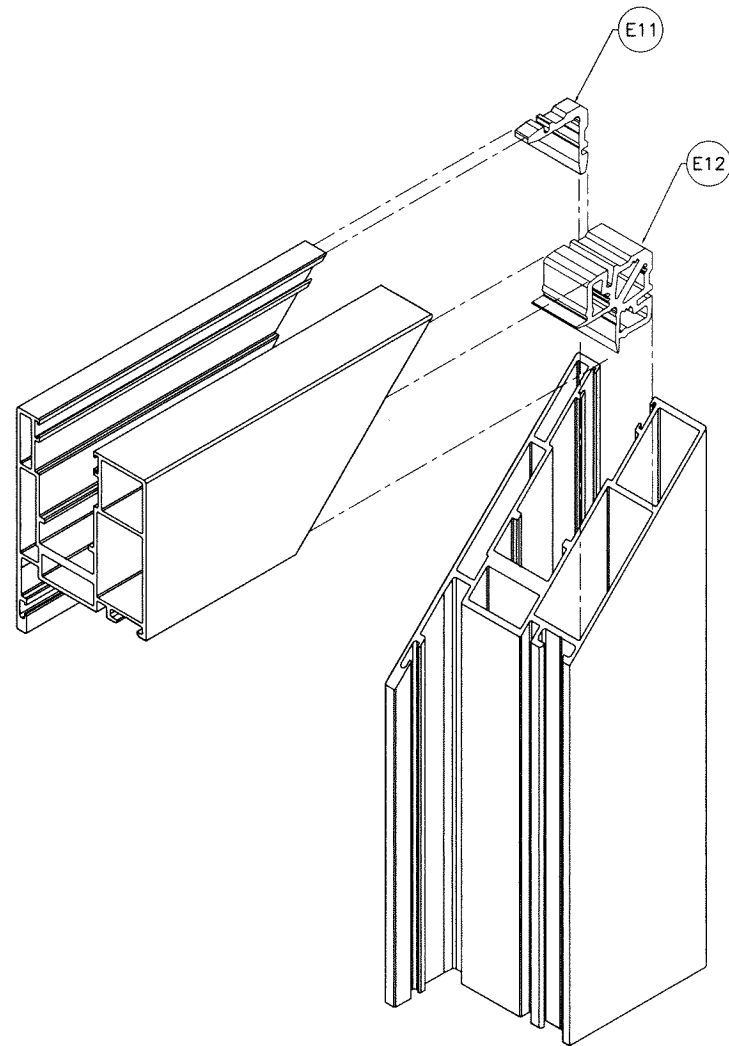
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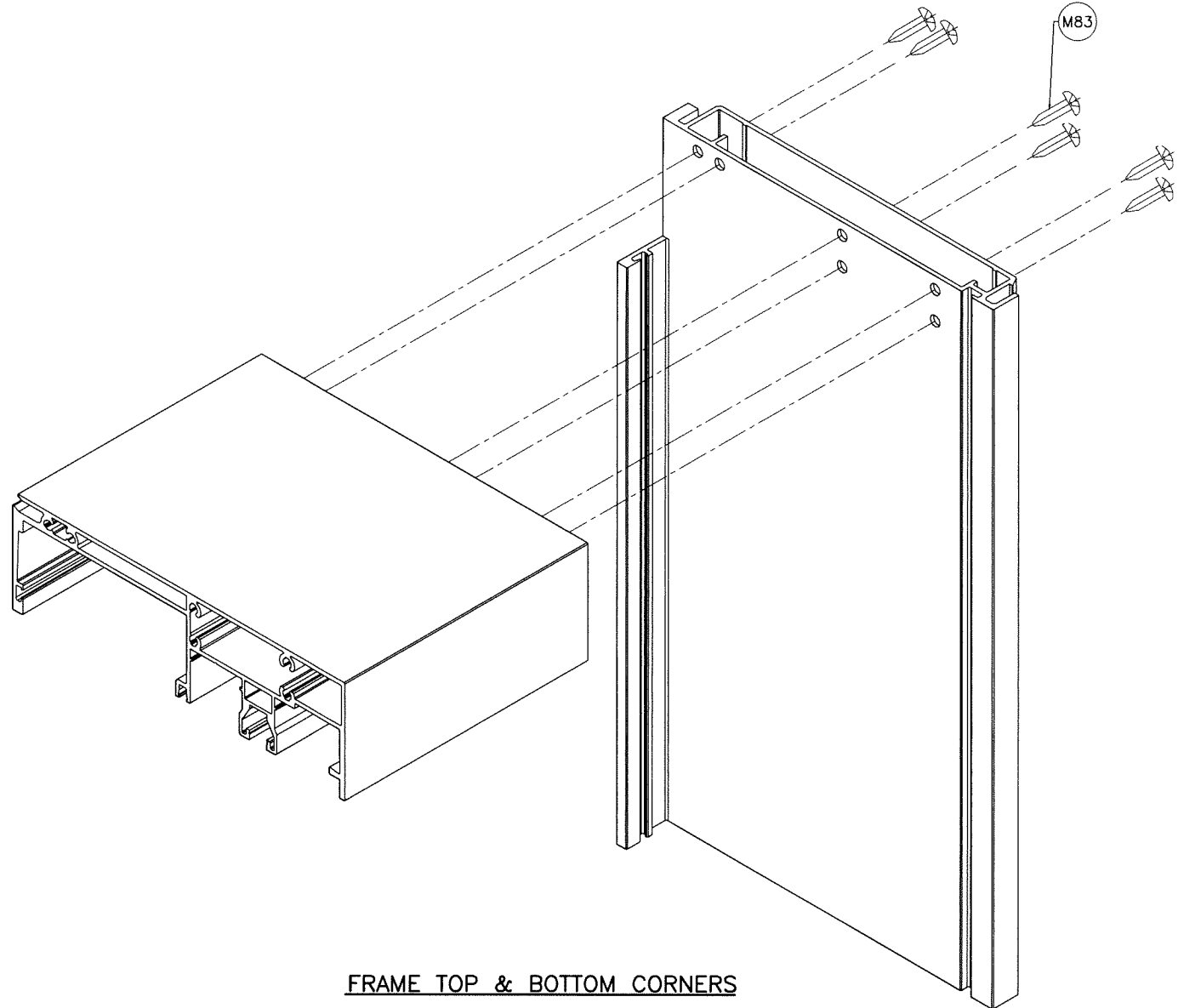
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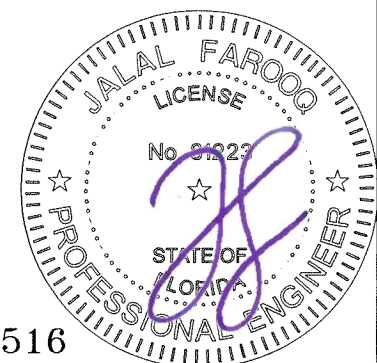


PANEL TOP/BOTTOM CORNER

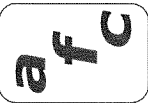


FRAME TOP & BOTTOM CORNERS

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