

ES-LS7035-13

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

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH F.B.C.
APPR'D LARGE 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) 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 HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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

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

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

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

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

STEP 1 DETERMINE DESIGN WIND 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 E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

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

LARGE MISSILE IMPACT

Sealed: 11/3/2025

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.



af c

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\25-62F-ES

ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (L.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: 10-22-25

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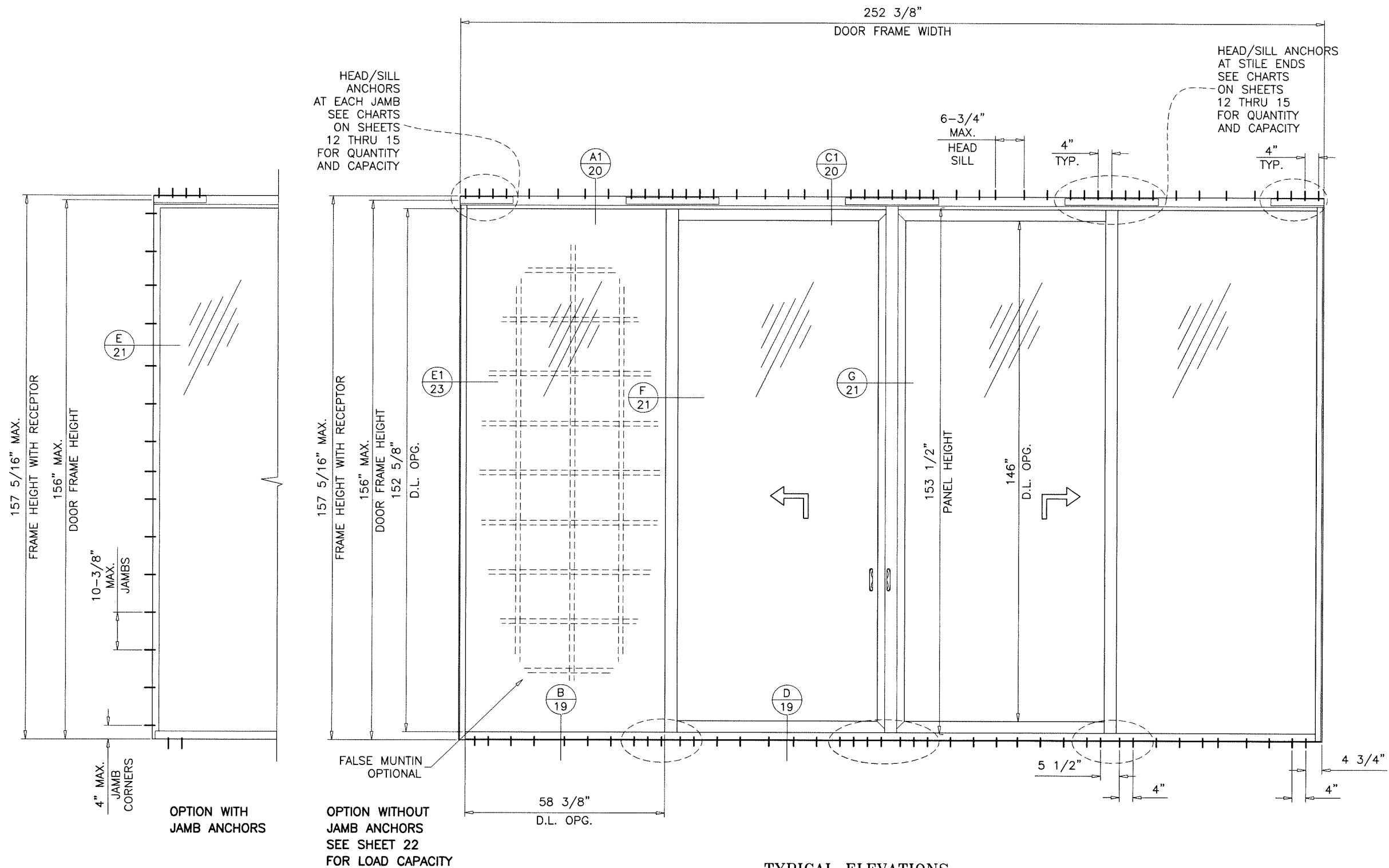
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chk. by:

drawing no.

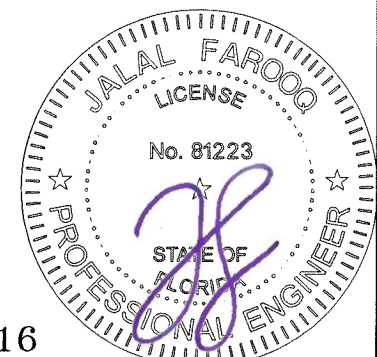
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sheet 1 of 32



TYPICAL ELEVATIONS
(OX-XO)
WITH HEAD RECEPTOR

Sealed: 11/3/2025



FL #29516

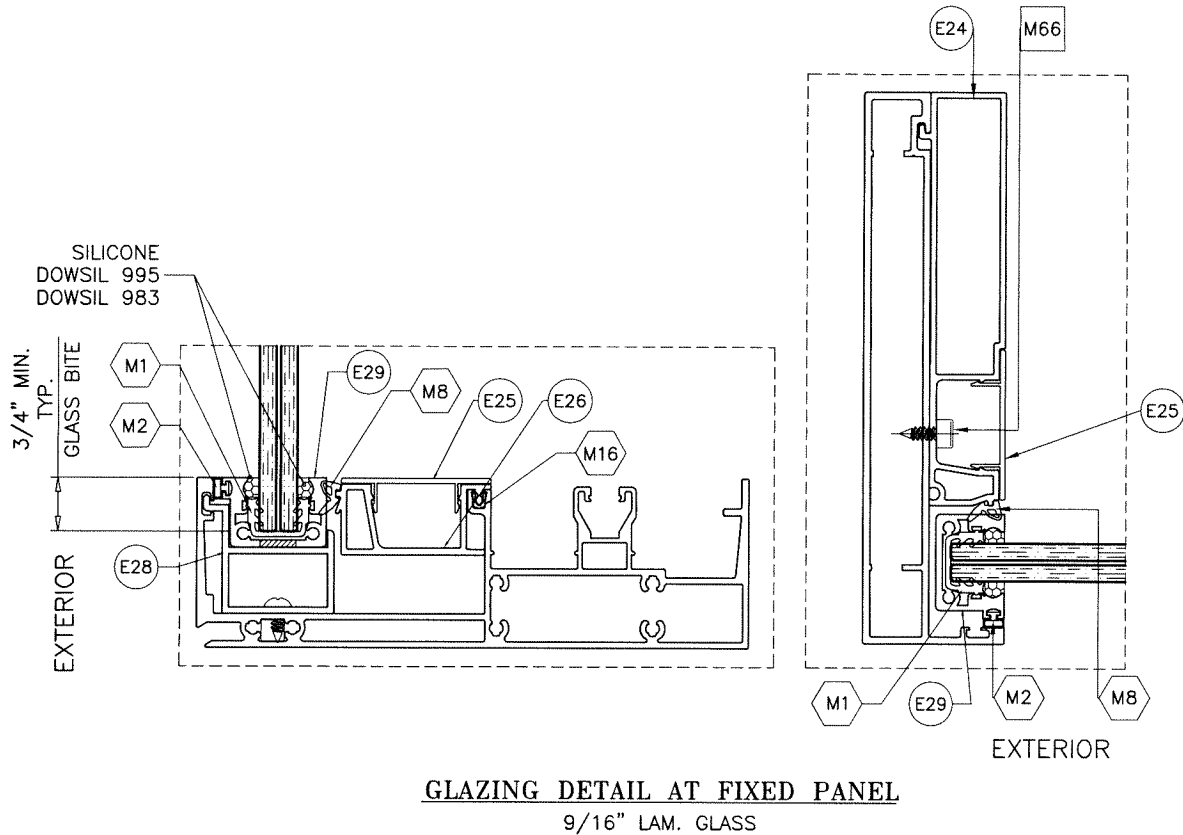
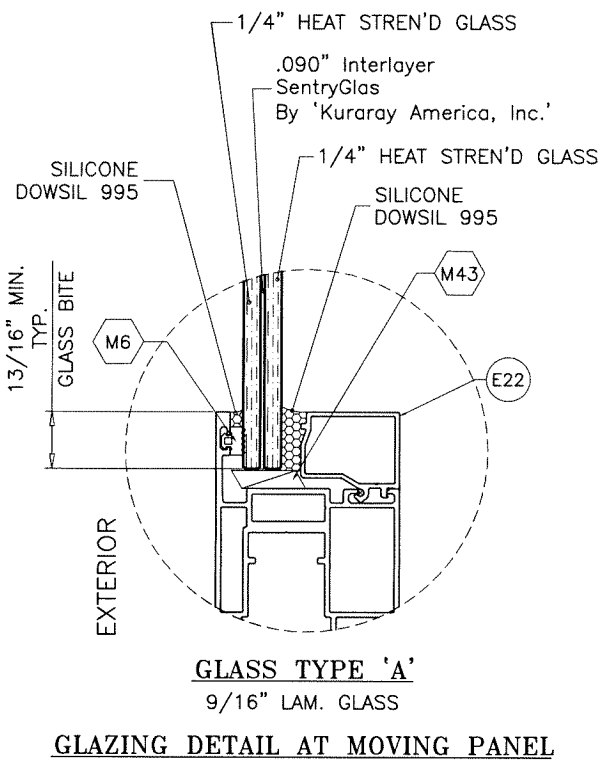
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chk. by:			
drawing no.	25-62F		
sheet	3 of 32		

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
72		120.0	120.0
48	124	120.0	120.0
54		120.0	120.0
60		120.0	120.0
63-3/16		120.0	120.0
48	144	100.0	100.0
54		100.0	100.0
48	156	100.0	100.0

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



Sealed: 11/3/2025

GLASS
LAMINATED



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chk. by:

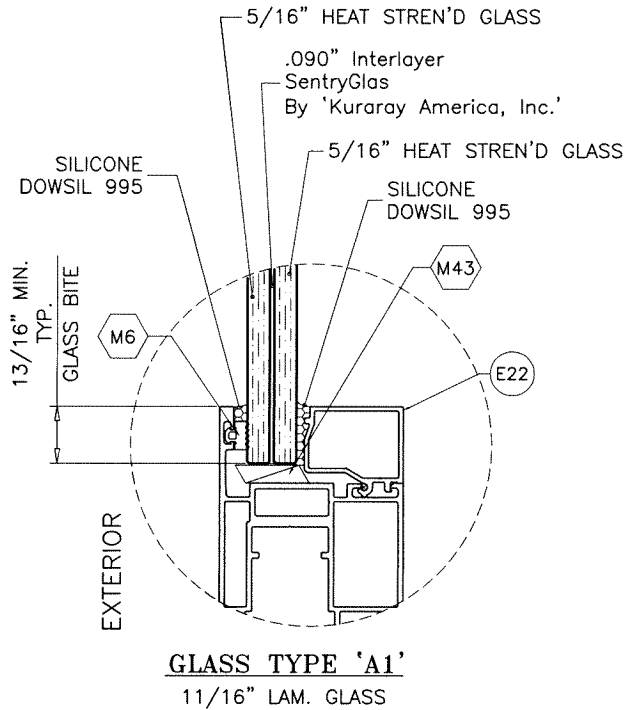
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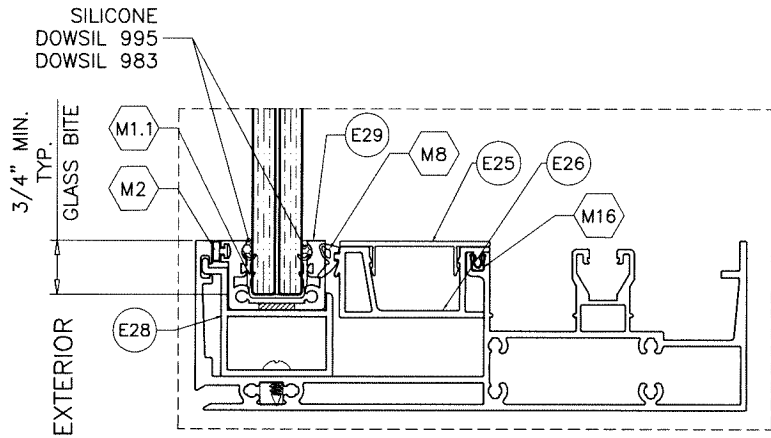
sheet 4 of 32

GLASS LOAD CAPACITY - PSF (2, 3 & 4 TRACK DOORS)			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPE 'A1'	
		EXT.(+)	INT.(-)
48	108	100.0	100.0
54		100.0	100.0
60		100.0	100.0
66		100.0	100.0
72		100.0	100.0
78		100.0	100.0
80		100.0	100.0
84		100.0	100.0
48	120	100.0	100.0
54		100.0	100.0
60		100.0	100.0
66		100.0	100.0
72		100.0	100.0
78		100.0	100.0
80		100.0	100.0
48	124	100.0	100.0
54		100.0	100.0
60		100.0	100.0
62-1/4		100.0	100.0
66		100.0	100.0
72		100.0	100.0
78		100.0	100.0
48	132	100.0	100.0
54		100.0	100.0
60		100.0	100.0
66		100.0	100.0
72		100.0	100.0
48	144	100.0	100.0
54		100.0	100.0
60		100.0	100.0
66		100.0	100.0
48	156	100.0	100.0
54		100.0	100.0
60		100.0	100.0
63-3/16		100.0	100.0

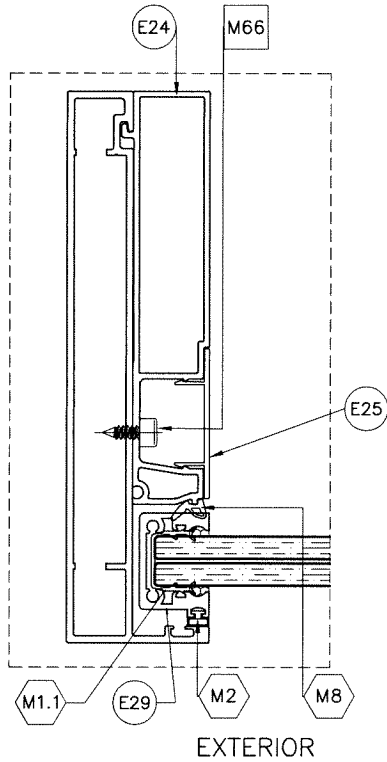
AVERAGE PANEL WIDTH = DOOR FRAME WIDTH
NUMBER OF PANELS



GLASS TYPE 'A1'
11/16" LAM. GLASS
GLAZING DETAIL AT MOVING PANEL



GLAZING DETAIL AT FIXED PANEL
7/16" LAM. GLASS



GLASS
LAMINATED

Sealed: 11/3/2025



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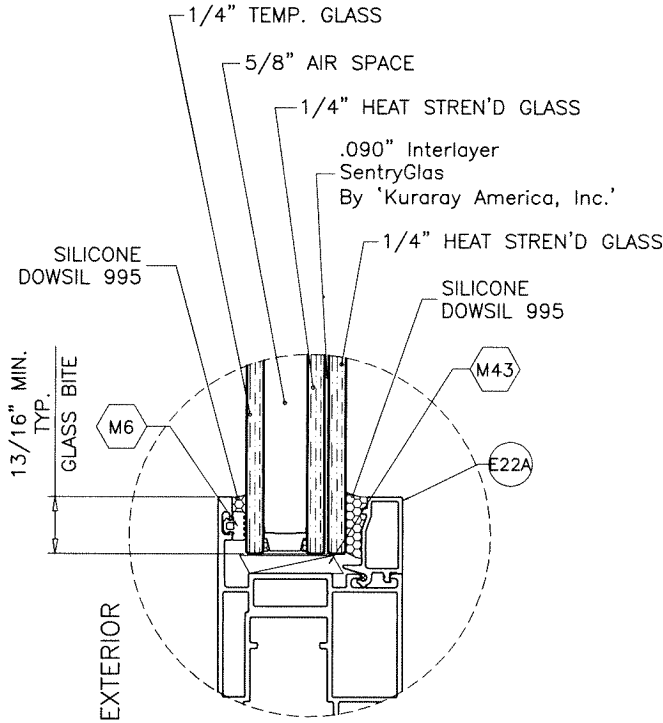
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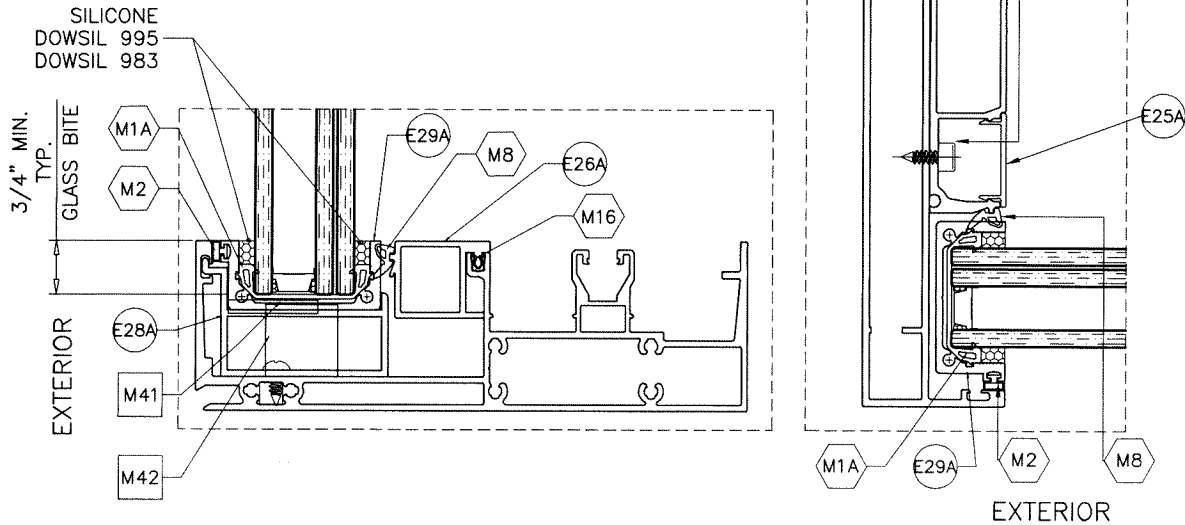
drawing no.
25-62F
sheet 5 of 32

GLASS LOAD CAPACITY - PSF (2, 3 & 4 TRACK DOORS)			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPE 'C'	
		EXT.(+)	INT.(-)
48	132	95.0	95.0
54		95.0	95.0
60		95.0	95.0
66		95.0	95.0
72		95.0	95.0
78		95.0	95.0
80-7/8		95.0	95.0
84	144	95.0	95.0
48		95.0	95.0
54		95.0	95.0
60		95.0	95.0
66		95.0	95.0
72		95.0	95.0
78		92.0	92.0
80-7/8		89.9	89.9
84		87.9	87.9
48	150	95.0	95.0
54		95.0	95.0
60		95.0	95.0
66		95.0	95.0
72		91.8	91.8
78		87.0	87.0
80-7/8		85.0	85.0

AVERAGE PANEL WIDTH = DOOR FRAME WIDTH
NUMBER OF PANELS



GLASS TYPE 'C'
1-7/16" OVERALL INSUL. LAM. GLASS
GLAZING DETAIL AT MOVING PANEL



GLAZING DETAIL AT FIXED PANEL
1-7/16" OVERALL INSUL. LAM. GLASS

5/8" AIR SPACE CONSISTING OF:
SPACER:
'HELIMA' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'
AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOWSIL 791
GE 2000

Sealed: 11/3/2025

GLASS
INSULATED LAMINATED



FL #29516

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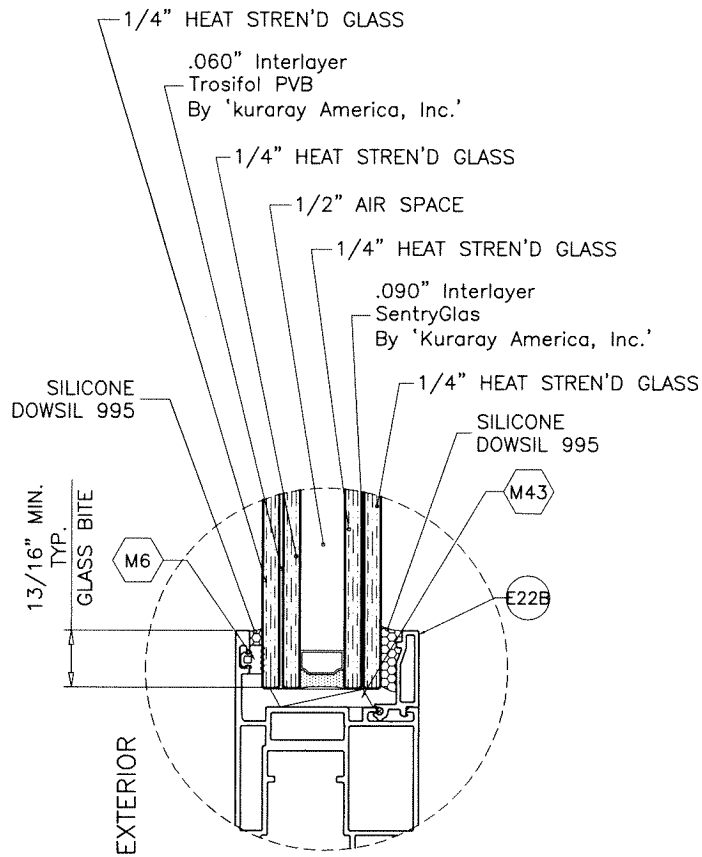
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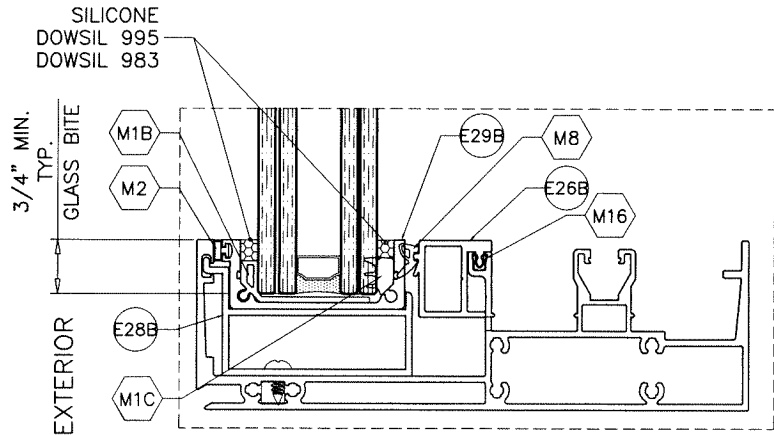
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drawing no.	25-62F	sheet	6 of 32

GLASS LOAD CAPACITY - PSF (2, 3 & 4 TRACK DOORS)			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPE 'E'	
		EXT.(+)	INT.(-)
48	132	95.0	95.0
54		95.0	95.0
60		95.0	95.0
66		95.0	95.0
72		95.0	95.0
78		95.0	95.0
80 7/8		95.0	95.0
84	144	95.0	95.0
48		95.0	95.0
54		95.0	95.0
60		95.0	95.0
66		95.0	95.0
72		95.0	95.0
78		92.0	92.0
80-7/8		89.9	89.9
84		87.9	87.9
48	150	95.0	95.0
54		95.0	95.0
60		95.0	95.0
66		95.0	95.0
72		91.8	91.8
78		87.0	87.0
80-7/8		85.0	85.0

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

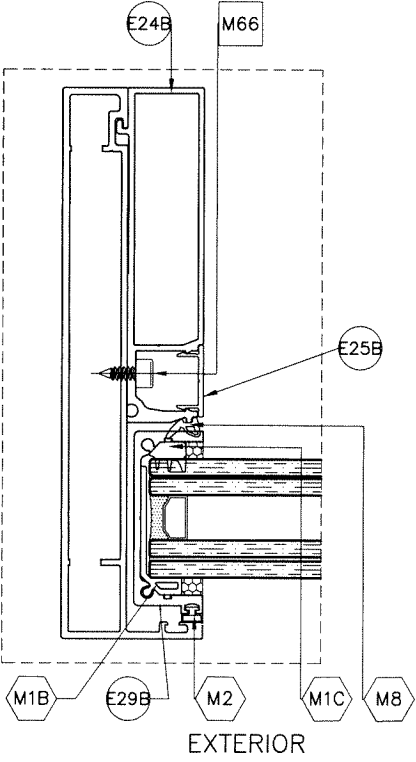


GLASS TYPE 'E'
1-1/2" OVERALL INSUL. DOUBLE LAM. GLASS
GLAZING DETAIL AT MOVING PANEL



GLAZING DETAIL AT FIXED PANEL
1-1/2" OVERALL INSUL. DOUBLE LAM. GLASS

1/2" AIR SPACE CONSISTING OF:
SPACER:
'HELIMA' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'
AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOWSIL 791
GE 2000



GLASS
INSULATED DOUBLE LAMINATED

Sealed: 11/3/2025



FL #29516

af c

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revisions:
no date by description

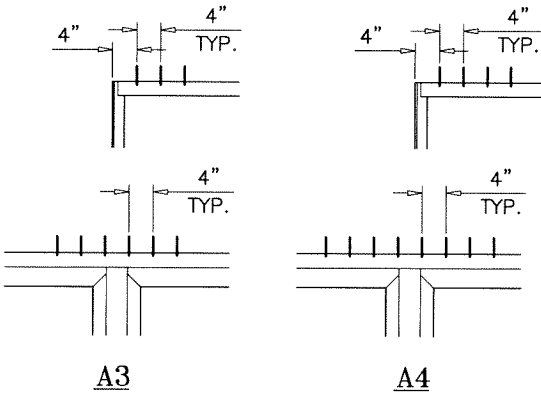
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dr. by: TARIQ
chk. by:

drawing no.
25-62F
sheet 7 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 A3	3/8" MAX. SHIMS A4	1/2" MAX. SHIMS A3	1/2" MAX. SHIMS A4	5/8" MAX. SHIMS A3	5/8" MAX. SHIMS A4	3/4" MAX. SHIMS A3	3/4" MAX. SHIMS 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 A3	3/8" MAX. SHIMS A4	1/2" MAX. SHIMS A3	1/2" MAX. SHIMS A4	5/8" MAX. SHIMS A3	5/8" MAX. SHIMS A4	3/4" MAX. SHIMS A3	3/4" MAX. SHIMS 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
63–3/16"		93.0	100.0	73.3	97.7	60.3	80.5	51.3	68.3

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

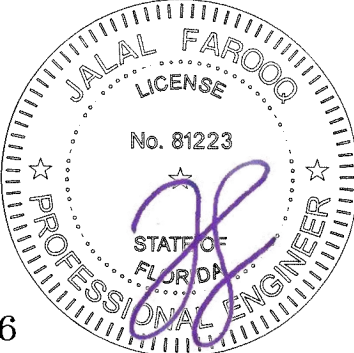


ANCHORS TYPES: SEE SHEET 20 FOR DESCRIPTION
A3 = (3) ANCHORS TYPE 'A' AT EACH FREE JAMB
(6) AT INTERLOCK AND ASTRAGAL LOCATIONS
A4 = (4) ANCHORS TYPE 'A' AT EACH FREE JAMB
(8) AT INTERLOCK AND ASTRAGAL LOCATIONS

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)

HEAD/SILL ANCHORS
WITHOUT RECEPTORS

Sealed: 11/3/2025



FL #29516

af c
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 25-62F-ES

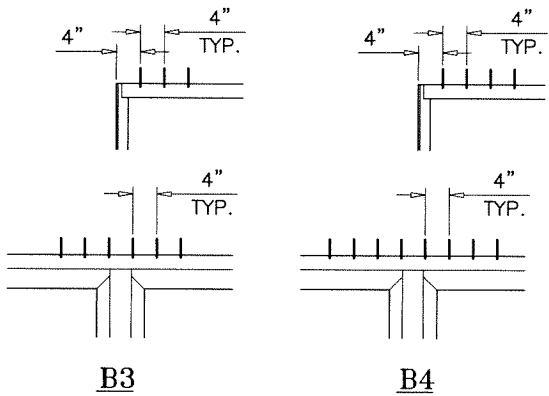
ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	by	description
date:	10-22-25	scale:	–	
dr. by:	TARIQ	chk. by:		
drawing no.	25-62F	sheet	8 of 32	

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
63–3/16"		80.0	100.0	63.7	85.0	52.9	70.6	45.3	60.4

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

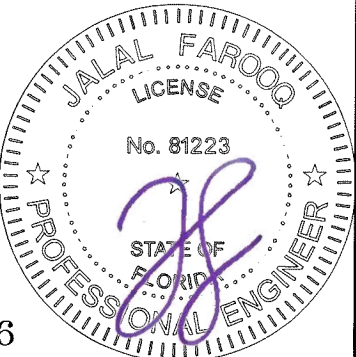
B4 = (4) ANCHORS TYPE 'B' AT EACH FREE JAMB
(8) AT INTERLOCK AND ASTRAGAL LOCATIONS

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: 11/3/2025



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\25-62F-ES
FBPE #3538

ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (L.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

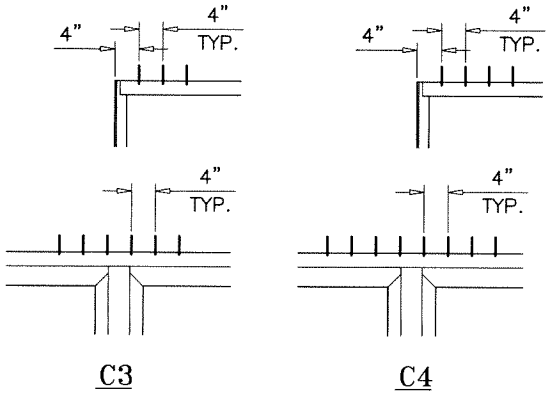
date:	10-22-25
scale:	-
dr. by:	TARIQ
chk. by:	

drawing no.	25-62F
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
63–3/16"		100.0	100.0	100.0	100.0	100.0	100.0	95.6	100.0

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)

HEAD/SILL ANCHORS
WITHOUT RECEPTORS

Sealed: 11/3/2025



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\25-62F-ES
FBPE #3538

ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (L.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

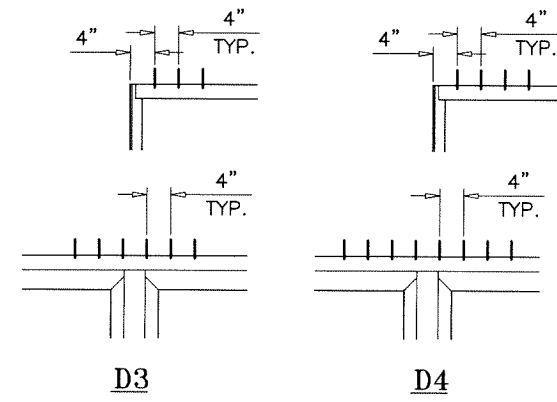
date: 10-22-25
scale: -
dr. by: TARIQ
chk. by:

drawing no.
25-62F
sheet 10 of 32

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
63–3/16"		100.0	100.0	100.0	100.0	86.2	100.0	74.0	98.7

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

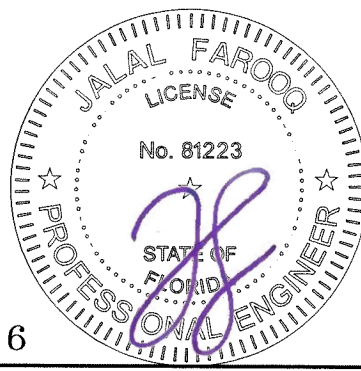


ANCHORS TYPES: SEE SHEET 20 FOR DESCRIPTION
D3 = (3) ANCHORS TYPE 'D' AT EACH FREE JAMB
(6) AT INTERLOCK AND ASTRAGAL LOCATIONS
D4 = (4) ANCHORS TYPE 'D' AT EACH FREE JAMB
(8) AT INTERLOCK AND ASTRAGAL LOCATIONS

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)

HEAD/SILL ANCHORS
WITHOUT RECEPTORS

Sealed: 11/3/2025



FL #29516

afC

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
COMP – ANL \ 25 – 62F – ES
FBPE #3538

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

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

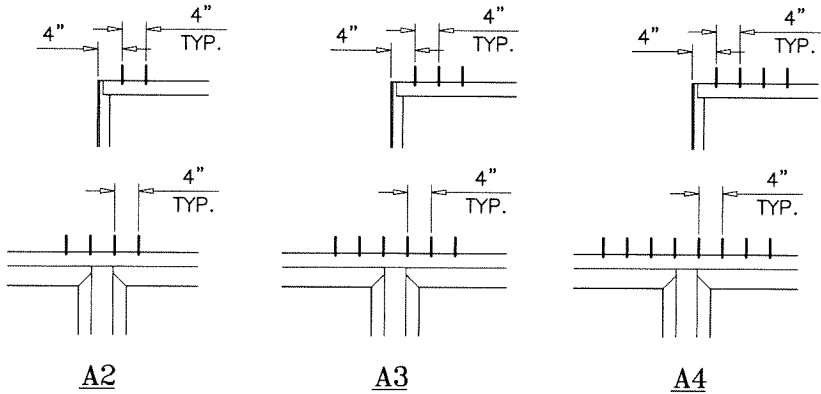
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scale: –
dr. by: TARIQ
chk. by:

drawing no.
25–62F
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
63–3/16"		52.7	79.1	100.0	46.4	69.7	92.9	41.5	62.2	83.0

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: 11/3/2025

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 (L.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: 10-22-25

scale: -

dr. by: TARIQ

chk. by:

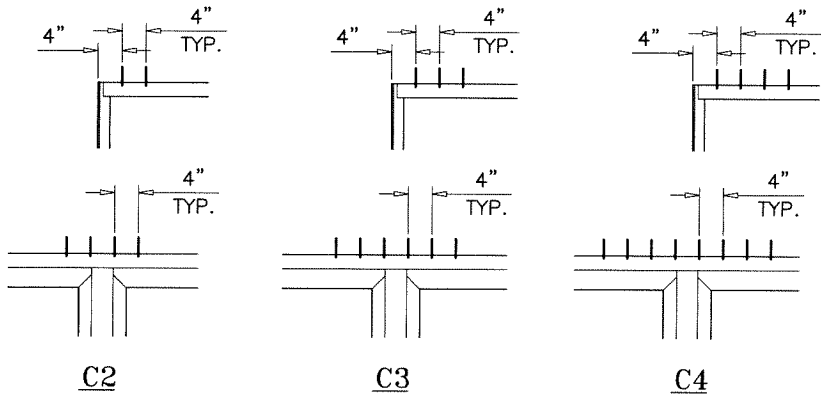
drawing no.

25-62F

sheet 12 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
63–3/16"		95.6	100.0	94.1	100.0	83.9	100.0	100.0
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: 11/3/2025

HEAD ANCHORS
WITH RECEPTORS

FL #29516

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revisions:
no date by description

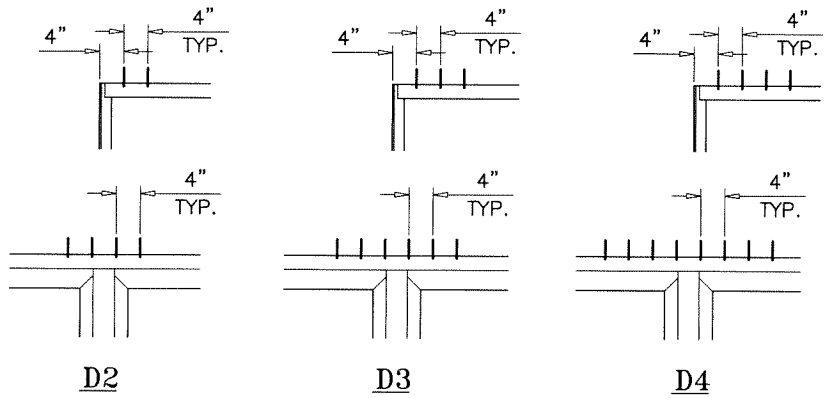
date: 10-22-25
scale: -
dr. by: TARIQ
chk. by:

drawing no.
25-62F
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	120.0	120.0	120.0	102.6	120.0	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	98.8	120.0	120.0
80"		120.0	120.0	120.0	120.0	120.0	120.0	97.8	120.0	120.0
84"		120.0	120.0	120.0	120.0	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	120.0	120.0	120.0	105.9	120.0	120.0
60"		120.0	120.0	120.0	120.0	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	120.0	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
63–3/16"		86.6	100.0	100.0	76.0	100.0	100.0	67.7	100.0	100.0

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: 11/3/2025

HEAD ANCHORS
WITH RECEPTORS

JALAL FAROOQ
LICENSE
No. 81223
STATE OF FLORIDA
PROFESSIONAL ENGINEER

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
COMP-ANL\25-62F-ES
FBPE #3538

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

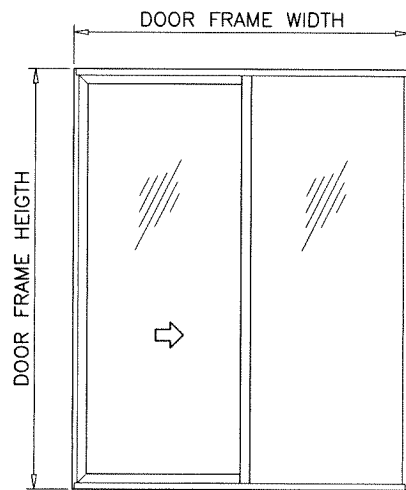
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	no	date	by	description

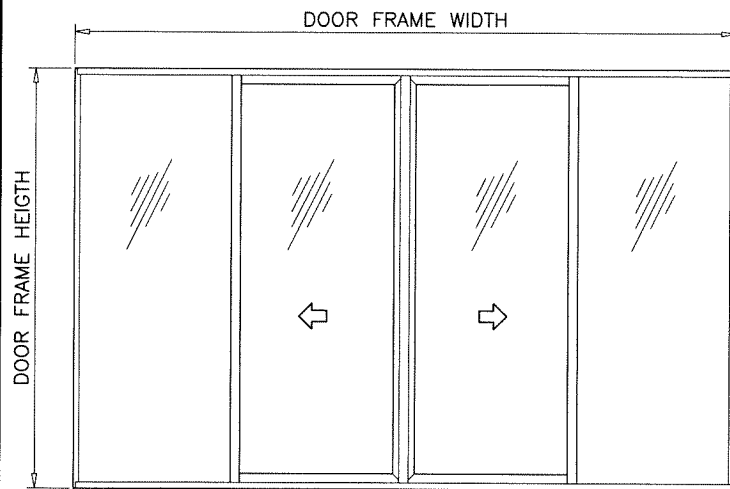
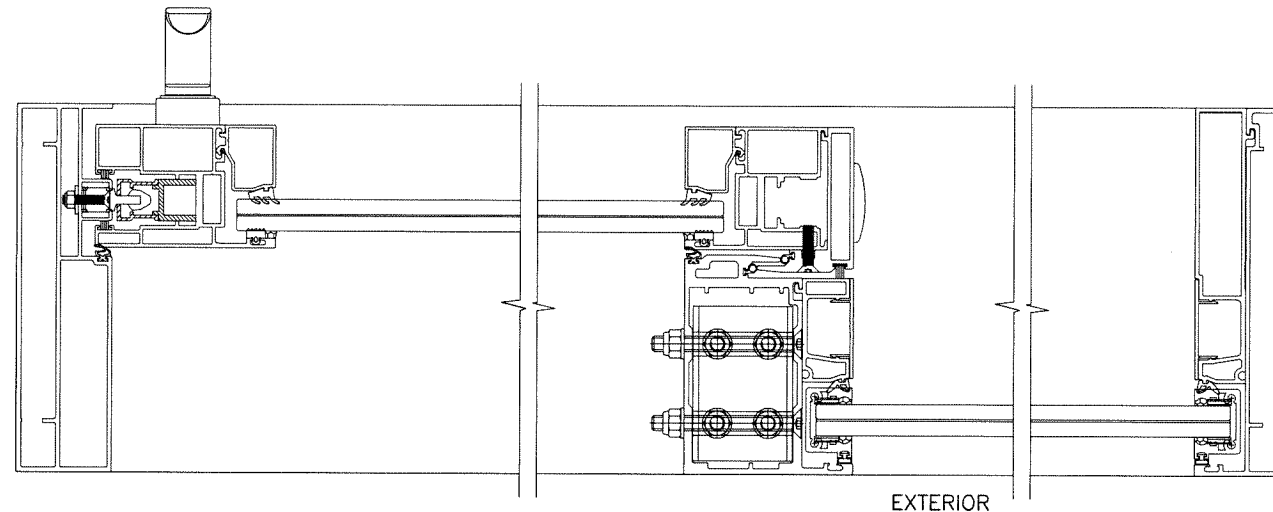
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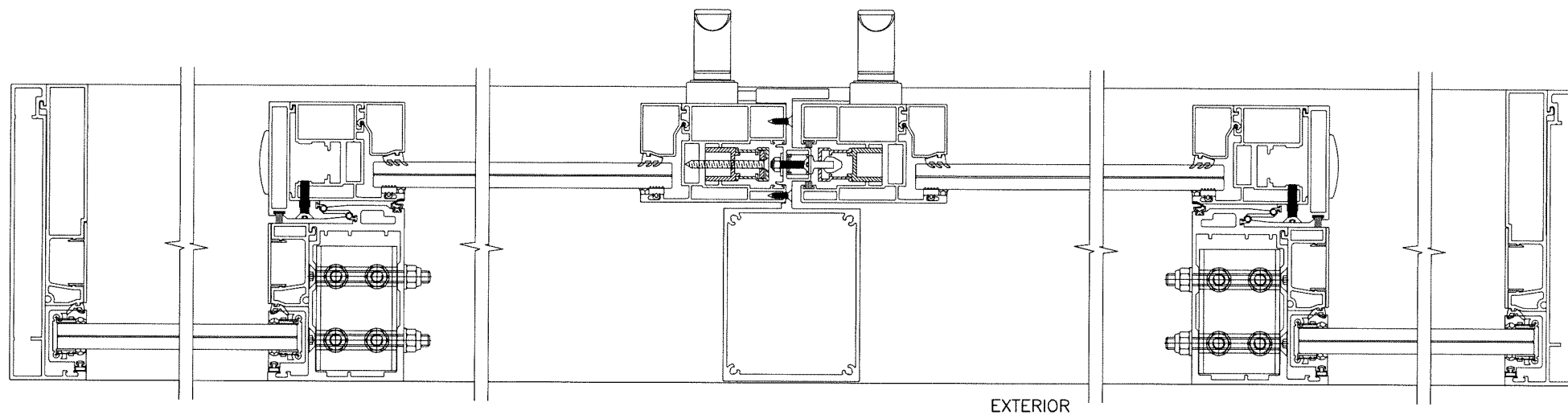
sheet 15 of 32



XO (SHOWN)
OX



OX-XO (SHOWN)



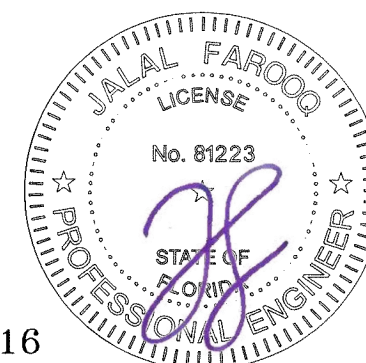
NOTE:

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.

APPROVED CONFIGURATIONS

TWO (2) TRACKS

Sealed: 11/3/2025



FL #29516

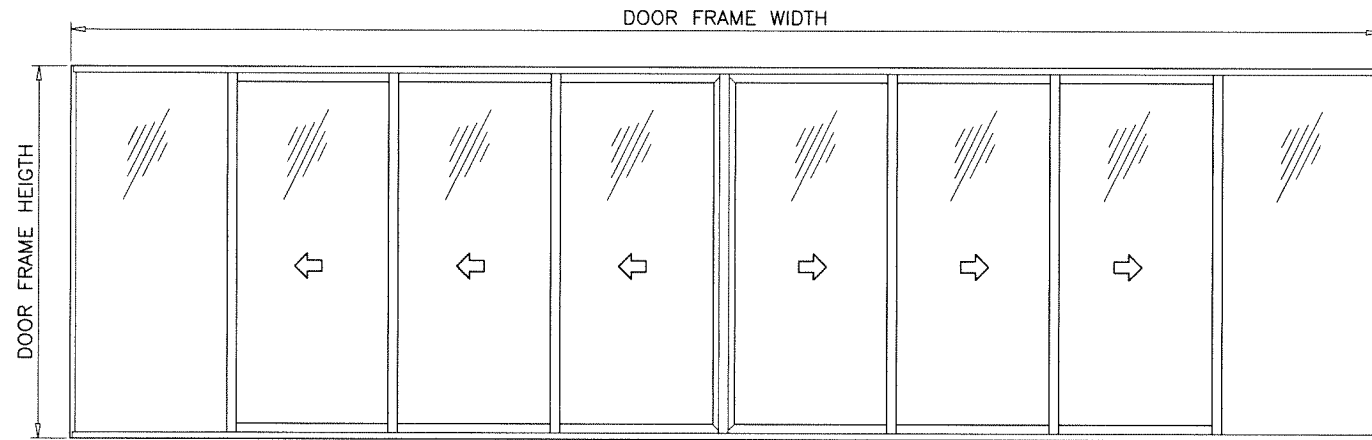
af c
AL-FAROOQ CORPORATION
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MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538
COMP-ANL\25-62F-ES

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

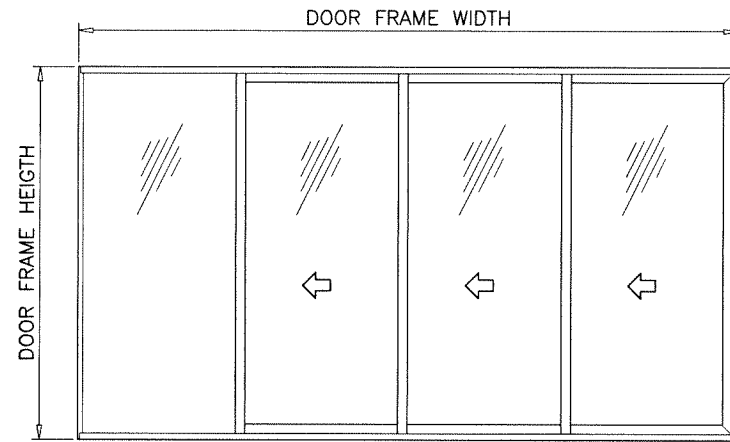
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

Revisions:		no date by description	
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chk. by:			
drawing no.	25-62F		
sheet	16 of 32		

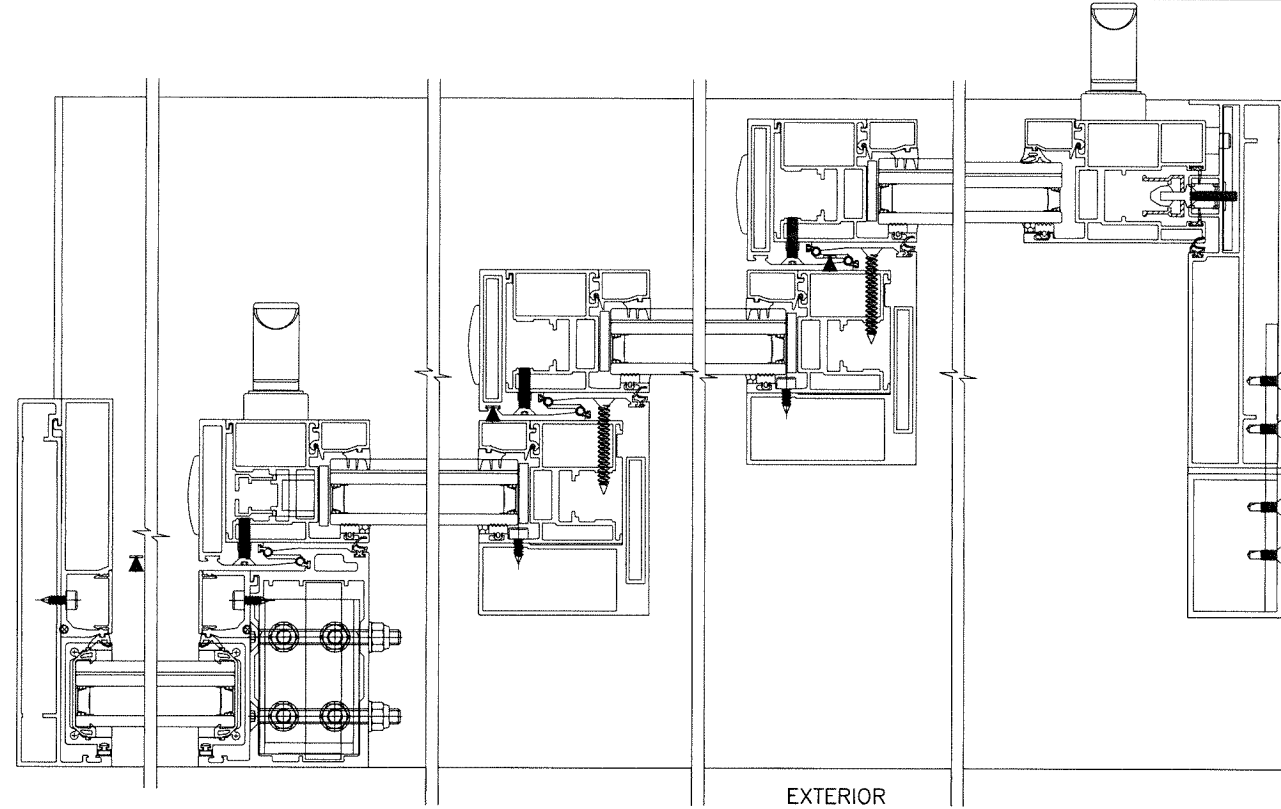
APPROVED CONFIGURATIONS
FOUR (4) TRACKS



OXXX-XXXX (SHOWN)

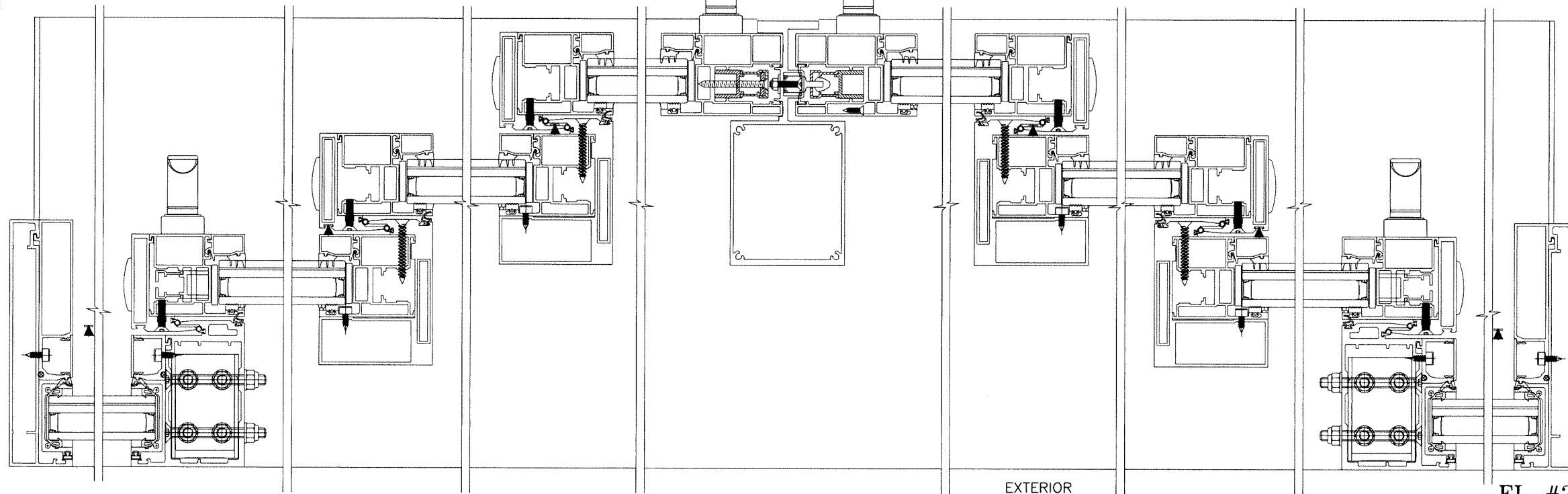


OXXX (SHOWN)
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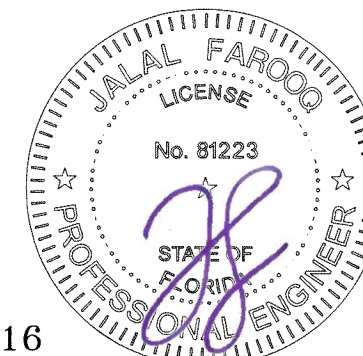
NOTE:

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.



FL #29516

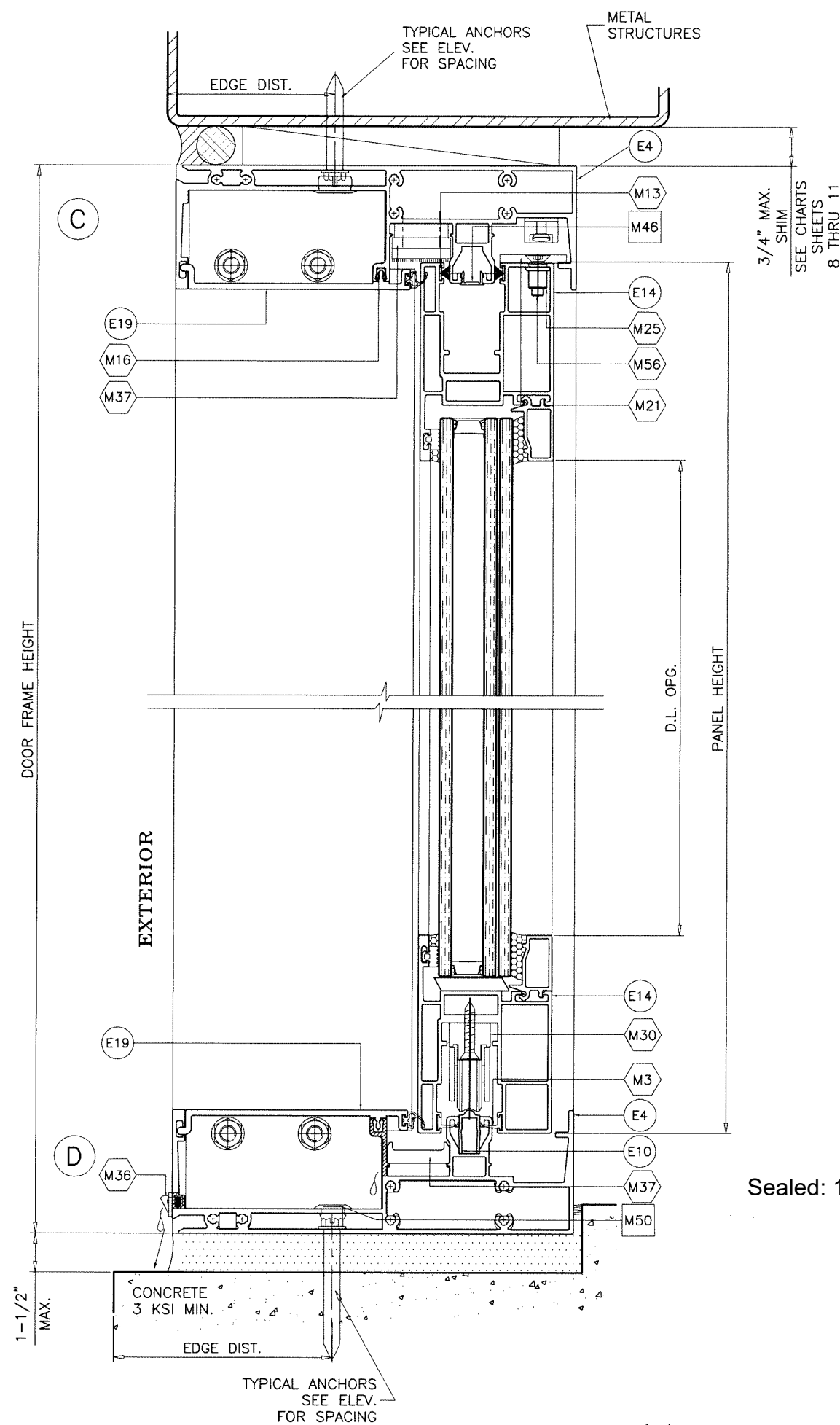
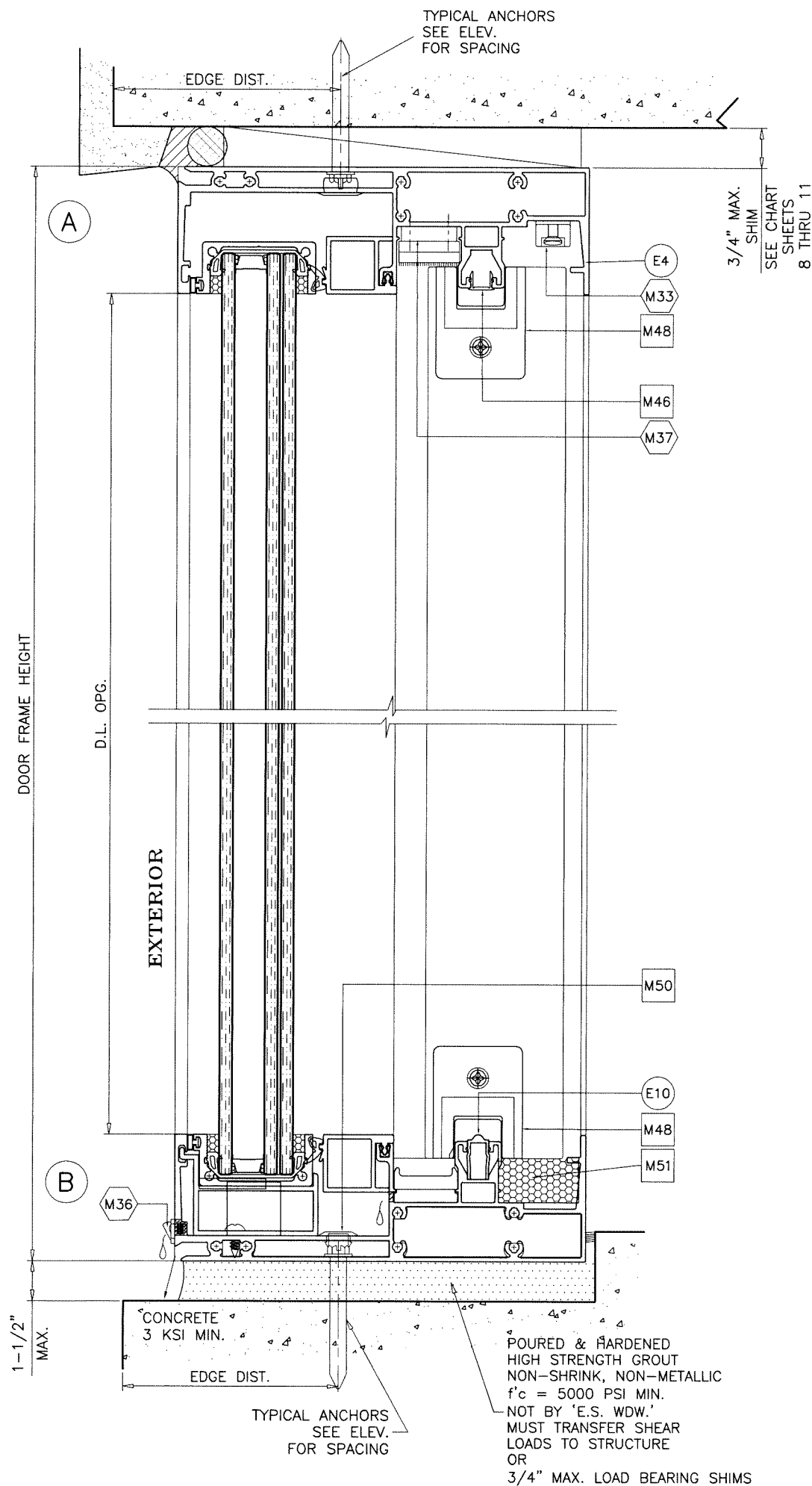
Sealed: 11/3/2025



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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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MIAMI, FLORIDA 33173
TEL. (305) 264-8100
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FBPE #3538
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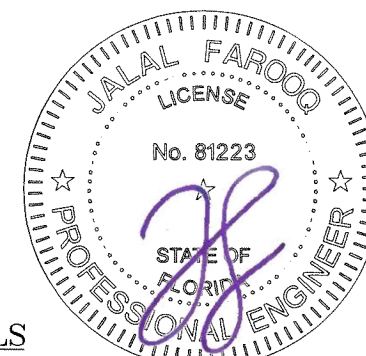
ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:		no date by description	
date:	10-22-25	scale:	-
dr. by:	TARIQ	chk. by:	
drawing no.	25-62F	sheet	18 of 32



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FL #29516



TWO (2) TRACK DOOR DETAILS

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

AL-FAROOQ CORPORATION
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ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (L.M.I.)

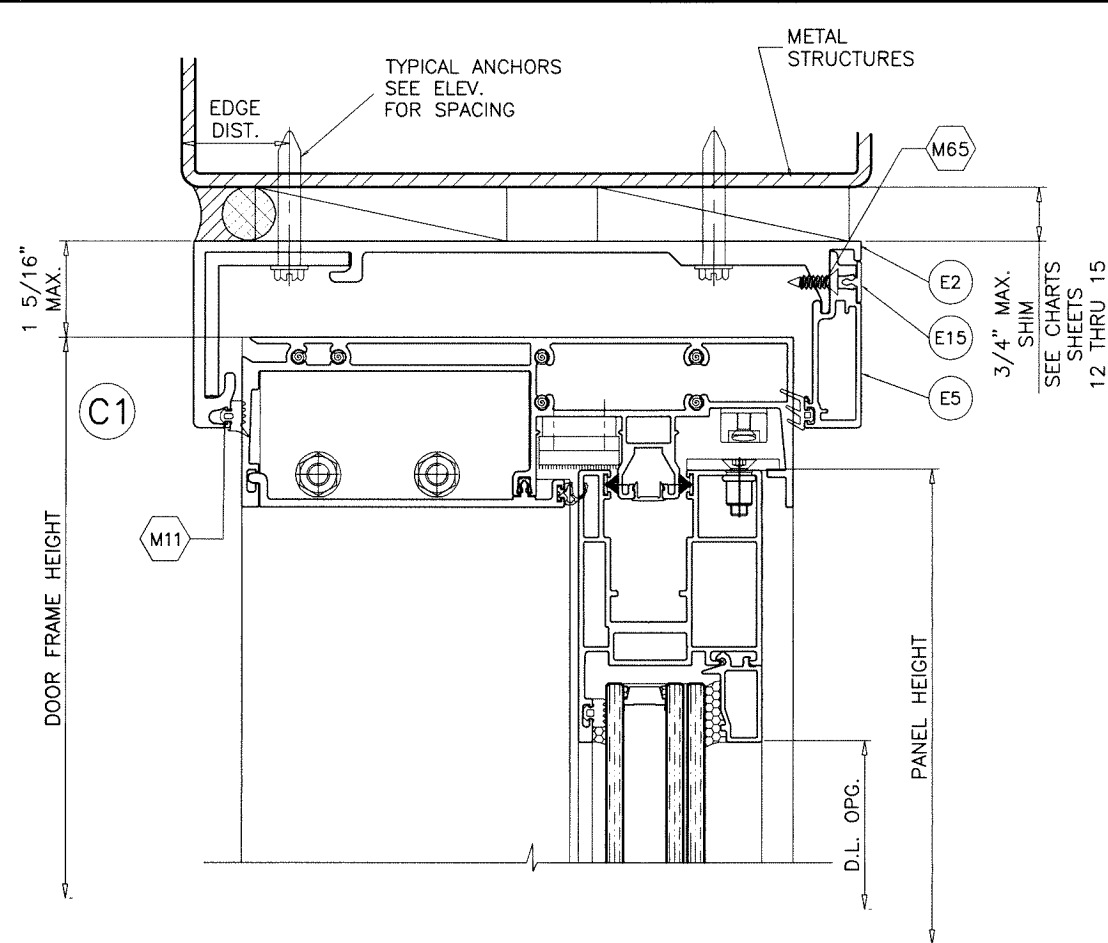
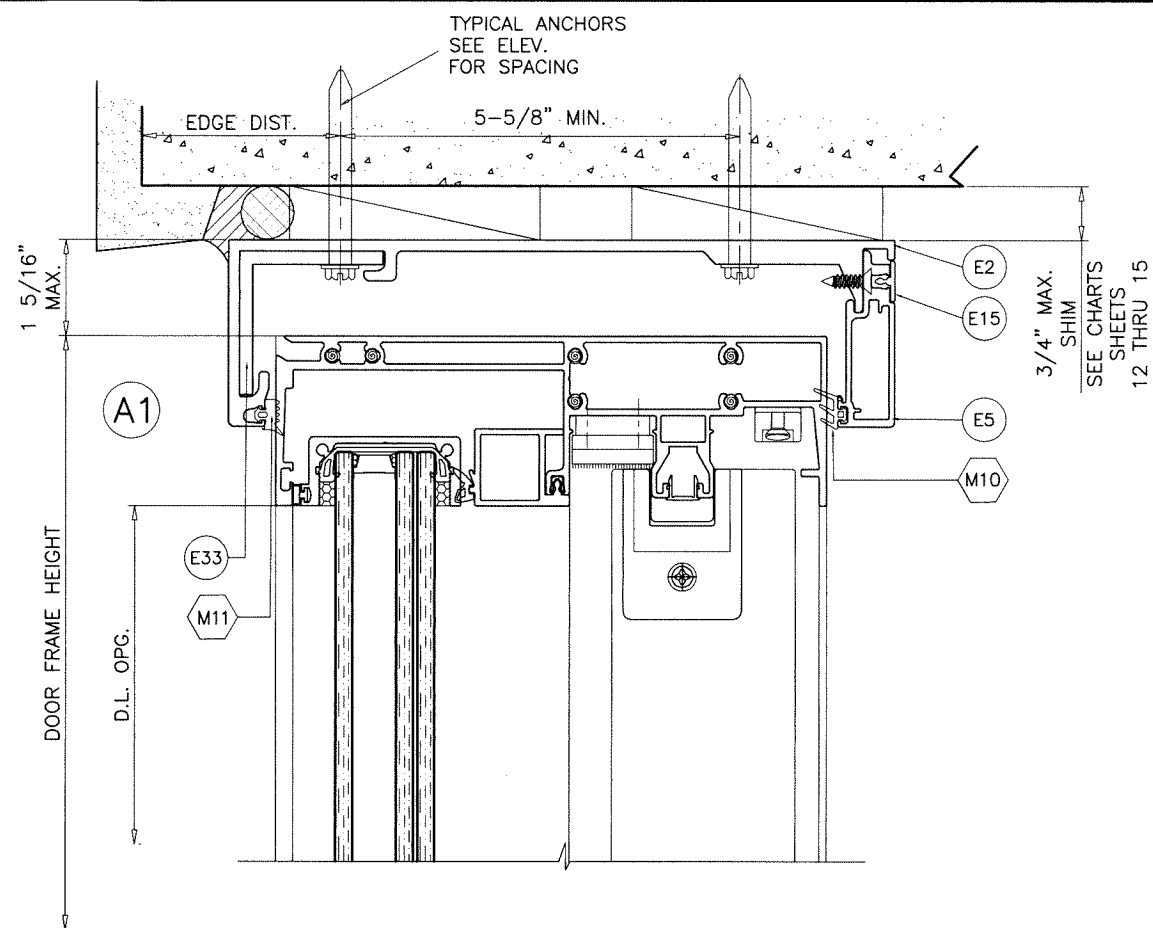
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MIAMI, FL. 33142

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

revisions:
no date by description

date: 10-22-25
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
25-62F
sheet 19 of 32



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- TYPE 'A'—** 5/16" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI) DIRECTLY INTO CONCRETE OR FILLED BLOCKS 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
- TYPE 'B'—** 5/16" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS) INTO F.B.C. APPROVED MULLIONS OR INTO METAL STRUCTURES (HEAD/SILL/JAMBS) (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM: 1/4" THK. MIN. (6063-T5 MIN.) STEEL: 3/16" THK. MIN. ($F_y = 36$ KSI MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
- TYPE 'C'—** 3/8" SCREW-BOLT+ BY 'DEWALT' DIRECTLY INTO CONCRETE OR FILLED BLOCKS 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS) 2" MIN. EMBED INTO BLOCKS (JAMBS)
- TYPE 'D'—** 3/8" DIA. TAP-FLEX OR SELF DRILLING SCREWS (GRADE 5 CRS) INTO F.B.C. APPROVED MULLIONS OR INTO METAL STRUCTURES (HEAD/SILL/JAMBS) (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM: 1/4" THK. MIN. (6063-T5 MIN.) STEEL: 3/16" THK. MIN. ($F_y = 36$ KSI MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND GROUT FILLED BLOCKS = 2-1/2" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

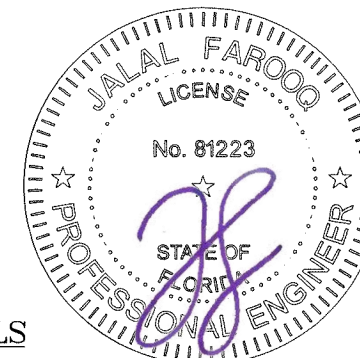
CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.
C-90 GROUT FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

METAL STRUCTURES NOT BY 'E.S. WDW.'
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.

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

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FL #29516



TWO (2) TRACK DOOR DETAILS

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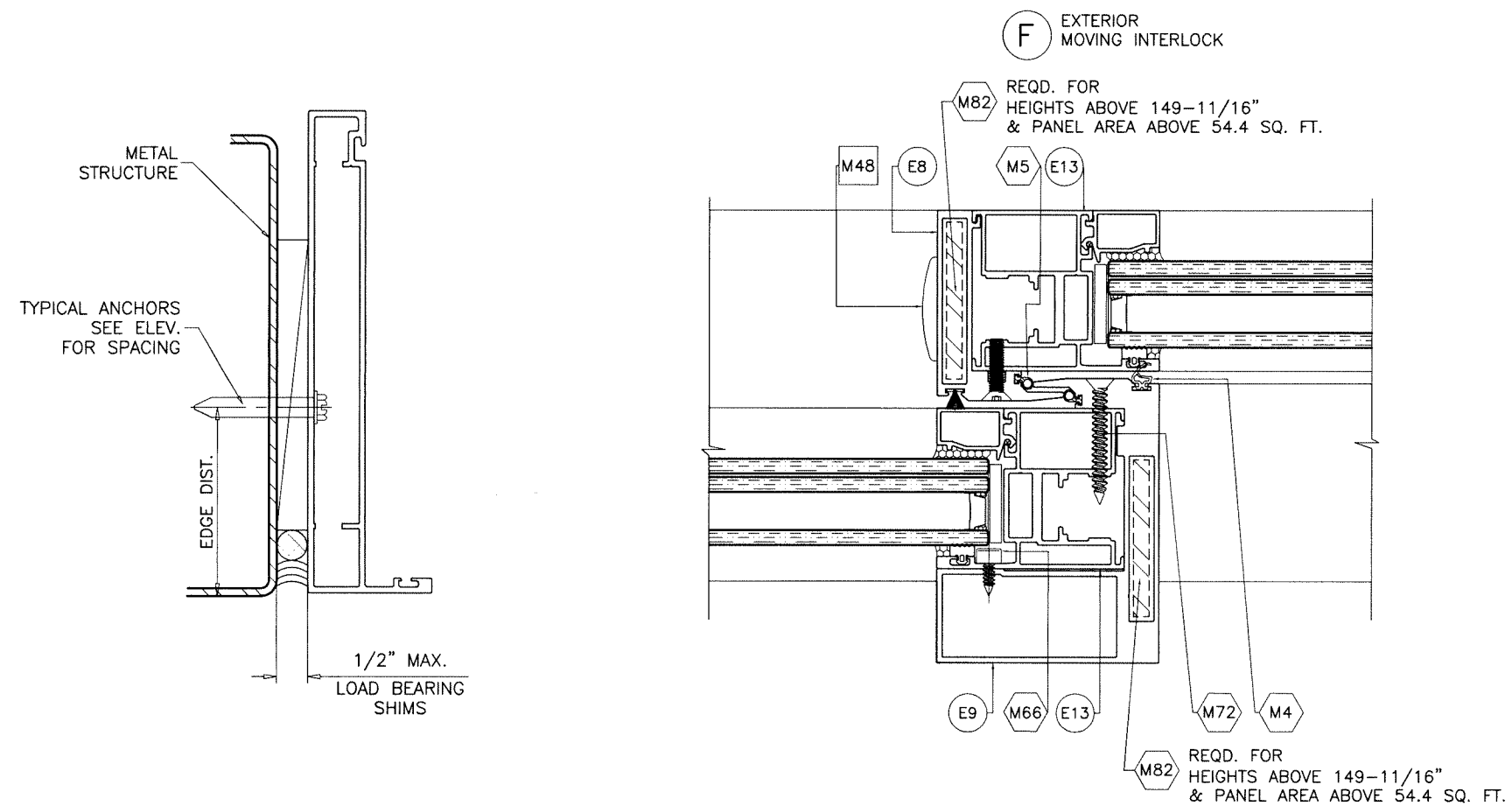
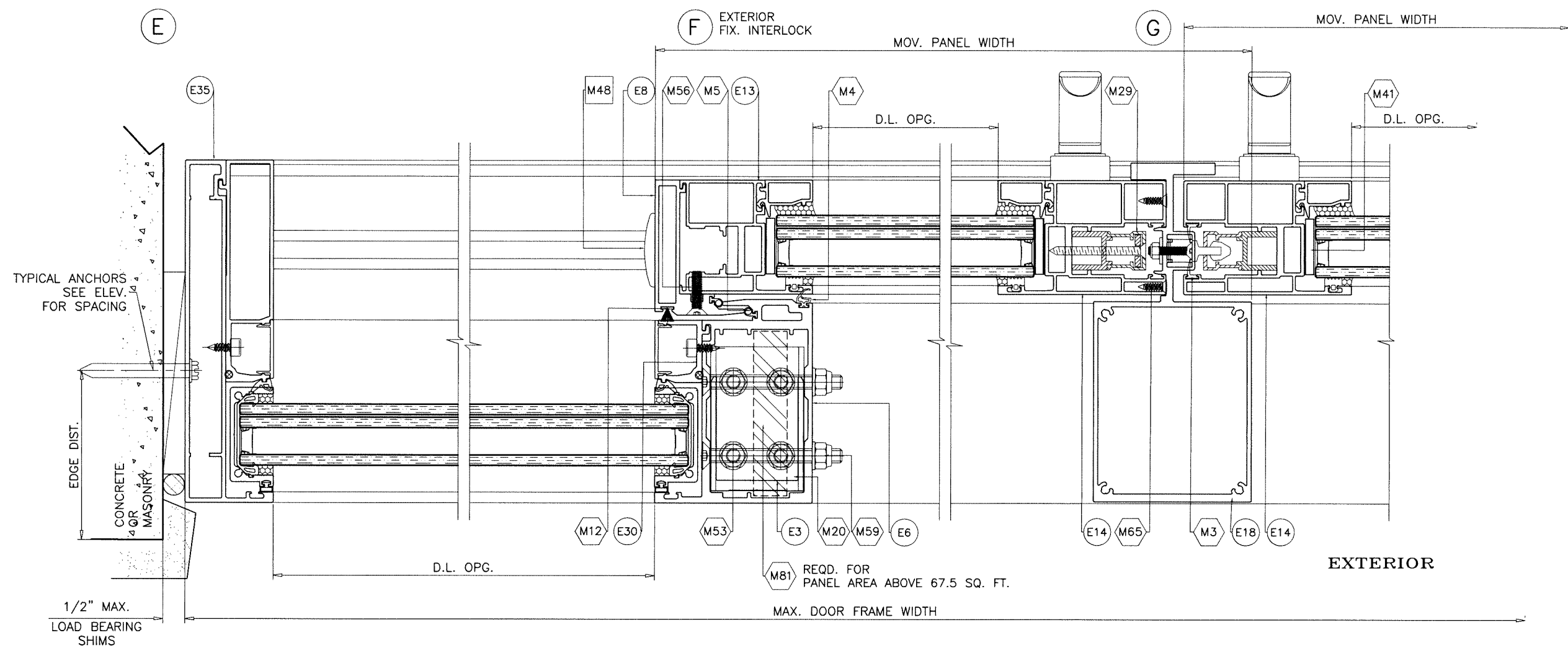
ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (L.M.I.)

E.S. WINDOWS, LLC
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date: 10-22-25	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
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drawing no.
25-62F
sheet 20 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

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

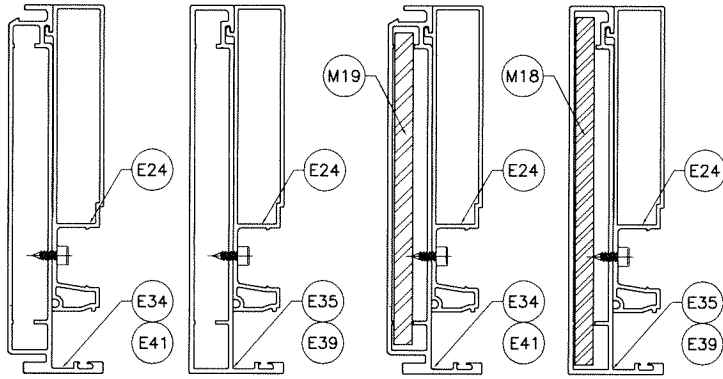
E.S. WINDOWS, LLC
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chk. by:					

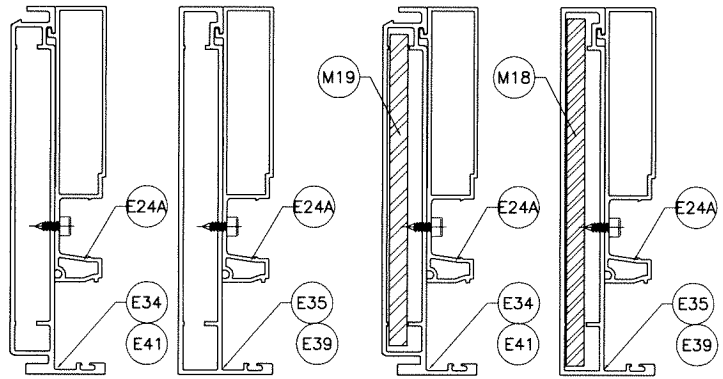
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25-62F

sheet 21 of 32

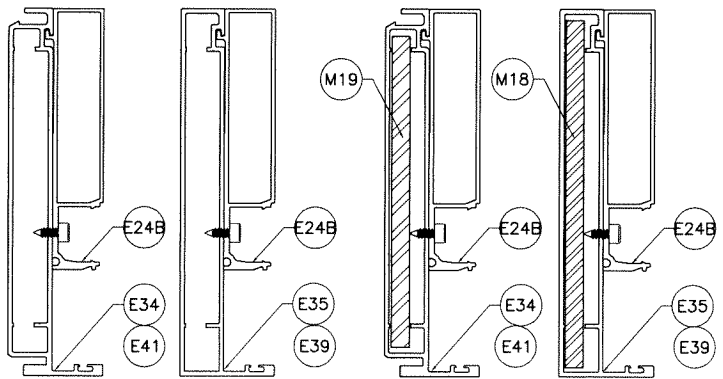
FREE STANDING JAMB DESIGN LOAD CAPACITY - PSF							
NOMINAL DIMS.		LAM. GLASS		INSUL. LAM. GLASS		DOUBLE LAM. GLASS	
		JAMB 'J1'	JAMB 'J2'	JAMB 'J1A'	JAMB 'J2A'	JAMB 'J1B'	JAMB 'J2B'
WIDTH (W)	FRAME HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
48"	108"	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
63-3/16"		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"		100.0	120.0	95.0	95.0	95.0	95.0
78"		100.0	100.0	95.0	95.0	95.0	95.0
80-7/8"		100.0	100.0	95.0	95.0	95.0	95.0
84"		100.0	100.0	95.0	95.0	95.0	95.0
48"	120"	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
63-3/16"		120.0	120.0	95.0	95.0	95.0	95.0
66"		100.0	100.0	95.0	95.0	95.0	95.0
72"		100.0	100.0	95.0	95.0	95.0	95.0
78"		100.0	100.0	95.0	95.0	89.6	95.0
80-7/8"		100.0	100.0	95.0	95.0	94.9	95.0
84"		-	-	95.0	95.0	92.7	95.0
48"	124"	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
63-3/16"		120.0	120.0	95.0	95.0	95.0	95.0
66"		100.0	100.0	95.0	95.0	95.0	95.0
72"		100.0	100.0	95.0	95.0	95.0	95.0
78"		100.0	100.0	95.0	95.0	89.6	95.0
80-7/8"		-	-	95.0	95.0	87.5	95.0
84"		-	-	95.0	95.0	85.3	95.0
48"	132"	100.0	100.0	95.0	95.0	95.0	95.0
54"		100.0	100.0	95.0	95.0	95.0	95.0
60"		100.0	100.0	95.0	95.0	95.0	95.0
63-3/16"		100.0	100.0	95.0	95.0	90.9	95.0
66"		100.0	100.0	95.0	95.0	87.7	95.0
72"		98.0	100.0	91.9	95.0	81.8	95.0
78"		-	-	86.5	95.0	77.0	95.0
80-7/8"		-	-	84.3	95.0	75.0	95.0
84"		-	-	82.1	95.0	73.0	95.0
48"	144"	100.0	100.0	95.0	95.0	95.0	95.0
54"		100.0	100.0	95.0	95.0	85.4	95.0
60"		93.1	100.0	87.3	95.0	77.8	95.0
63-3/16"		88.9	100.0	83.4	95.0	74.3	95.0
66"		85.7	100.0	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
84"		-	-	66.2	95.0	59.0	95.0
48"	150"	100.0	100.0	95.0	95.0	86.9	95.0
54"		93.1	100.0	87.4	95.0	77.9	95.0
60"		84.7	100.0	79.5	95.0	70.8	95.0
63-3/16"		80.9	100.0	75.9	95.0	67.7	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
48"	156"	95.0	100.0				
54"		85.2	100.0				
60"		77.4	100.0				
63-3/16"		73.9	100.0				



JAMB 'J1'		JAMB 'J2'	
Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3
16.036	4.308	16.036	4.308
ALUMINUM		ALUMINUM	
STEEL		STEEL	
TOTAL		TOTAL	
Ix ALUM + Ix STL X 2.9		Ix ALUM + Ix STL X 2.9	



JAMB 'J1A'		JAMB 'J2A'	
Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3
14.788	4.018	14.788	4.018
ALUMINUM		ALUMINUM	
STEEL		STEEL	
TOTAL		TOTAL	
Ix ALUM + Ix STL X 2.9		Ix ALUM + Ix STL X 2.9	



JAMB 'J1B'		JAMB 'J2B'	
Ix IN^4	Sx IN^3	Ix IN^4	Sx IN^3
14.408	3.496	14.408	3.496
ALUMINUM		ALUMINUM	
STEEL		STEEL	
TOTAL		TOTAL	
Ix ALUM + Ix STL X 2.9		Ix ALUM + Ix STL X 2.9	

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FL #29516



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AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT

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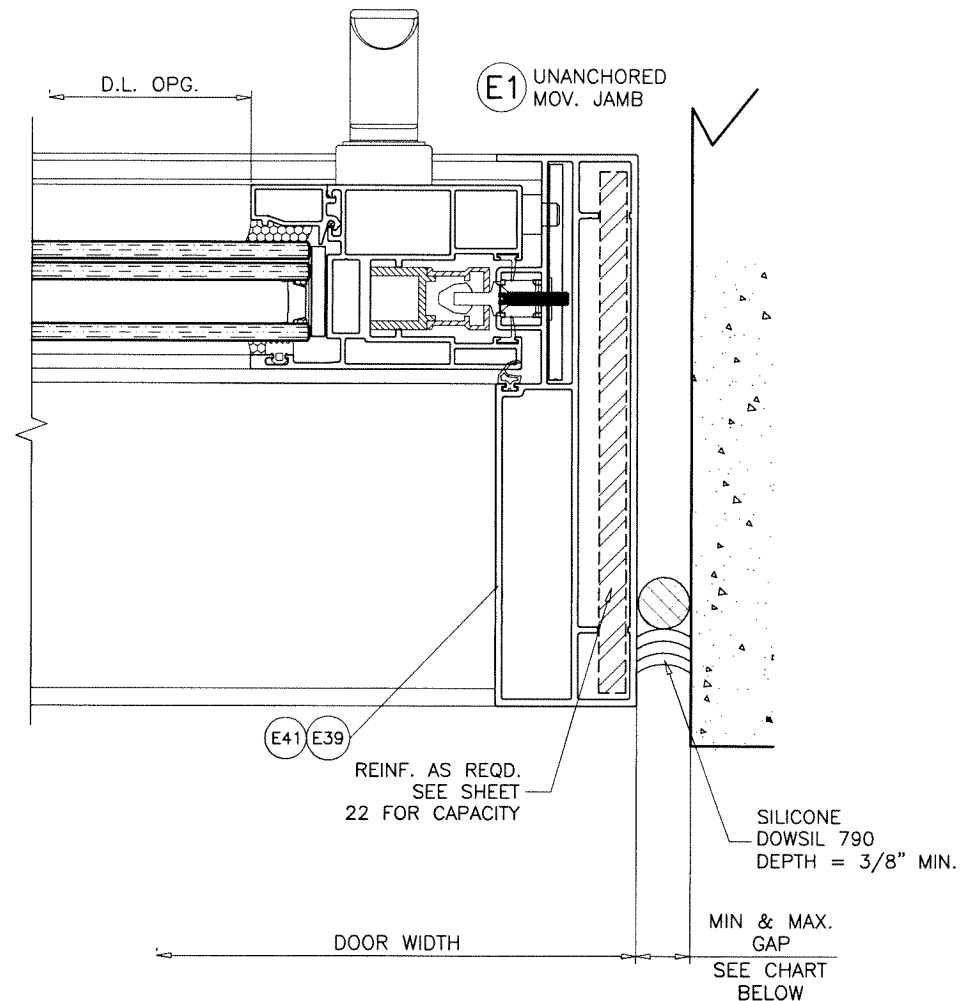
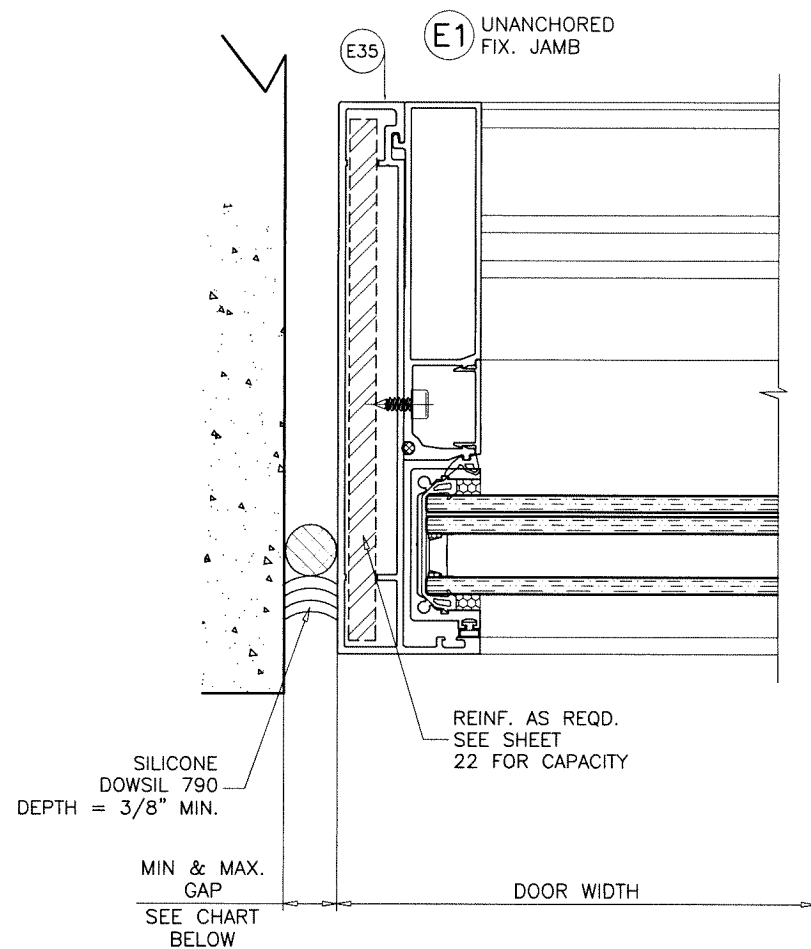
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drawing no.

25-62F

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"	-	-

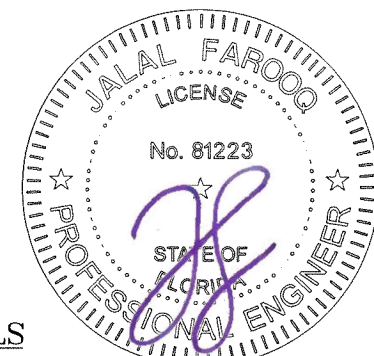
NOTE:
 MAX. MOVEMENT CONSIDERED=100% STRETCH.
 PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOW WALL MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.
 REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.

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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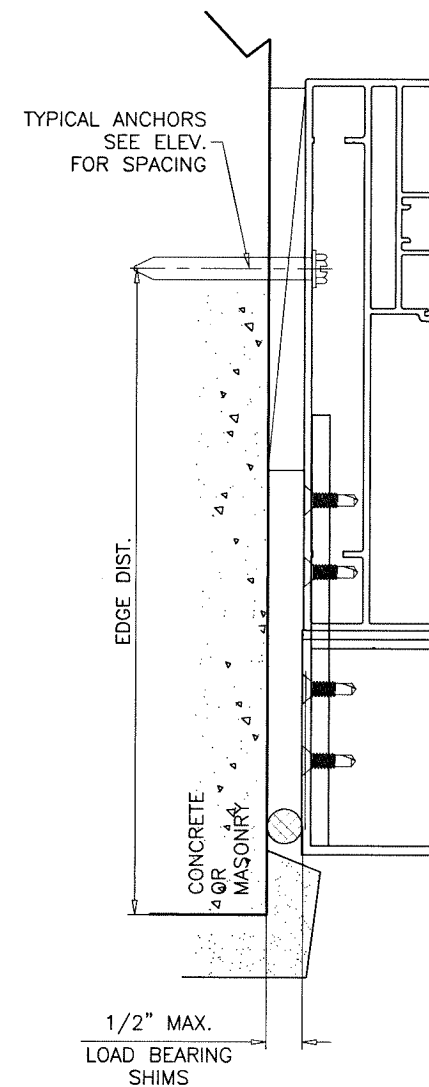
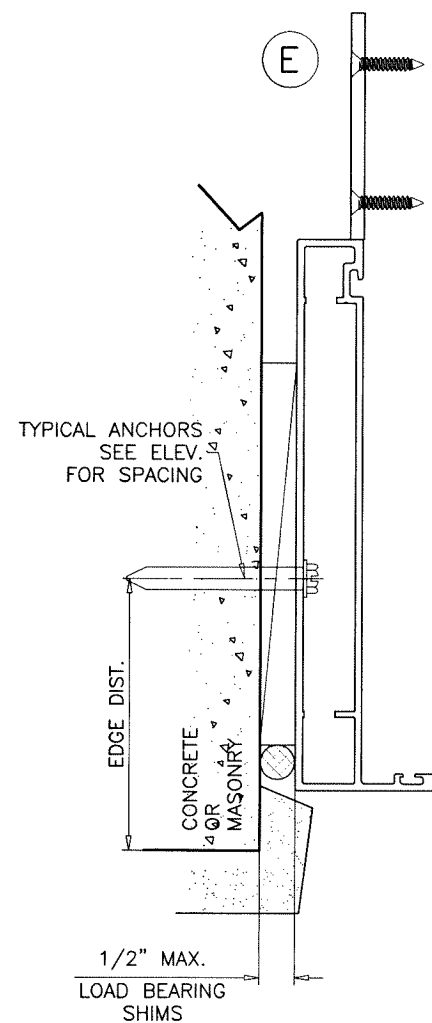
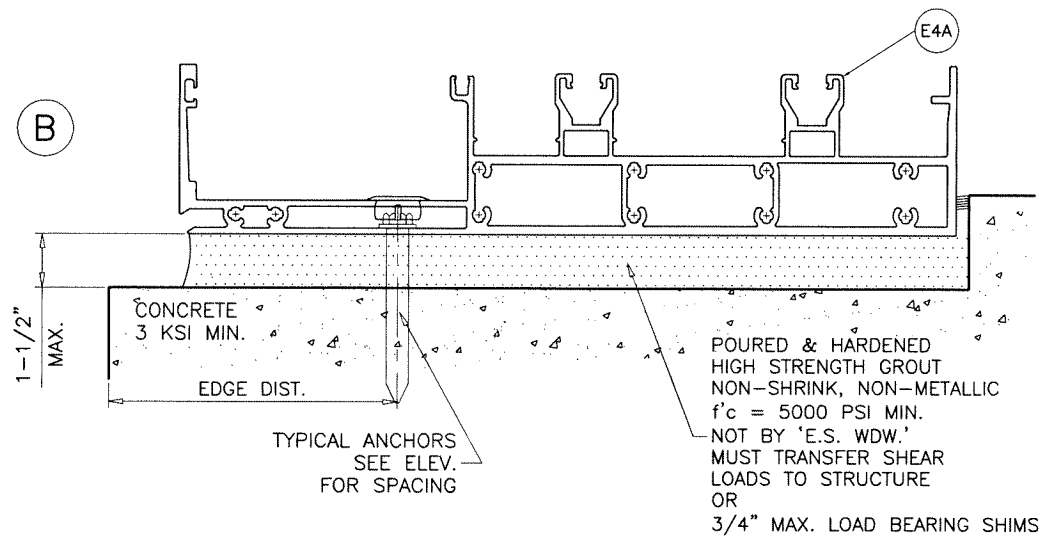
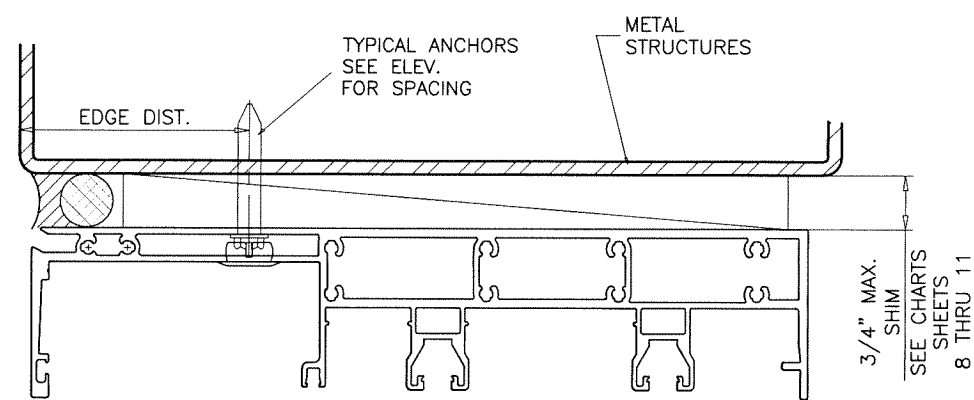
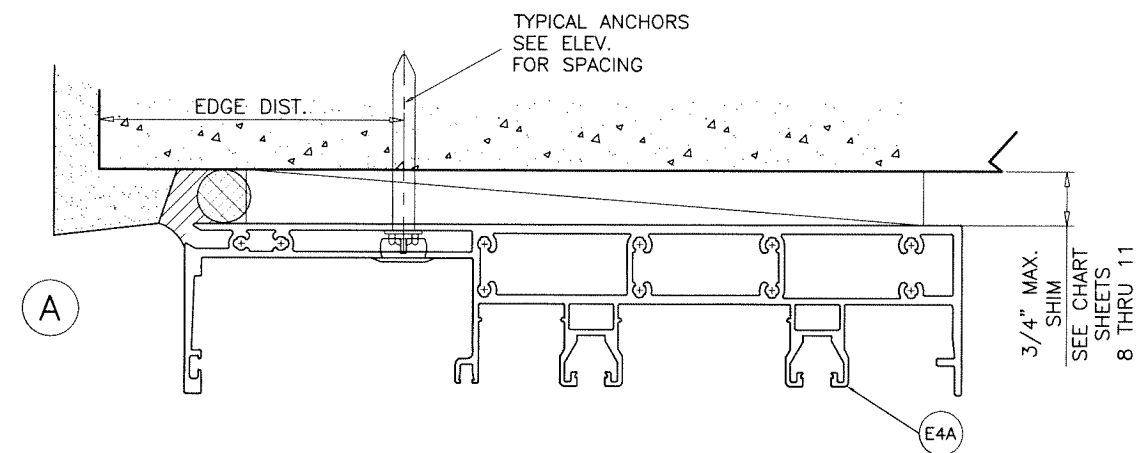


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drawing no.	25-62F				
sheet	23 of 32				



3 TRACK FRAMES
ANCHOR LOCATIONS

FL #29516

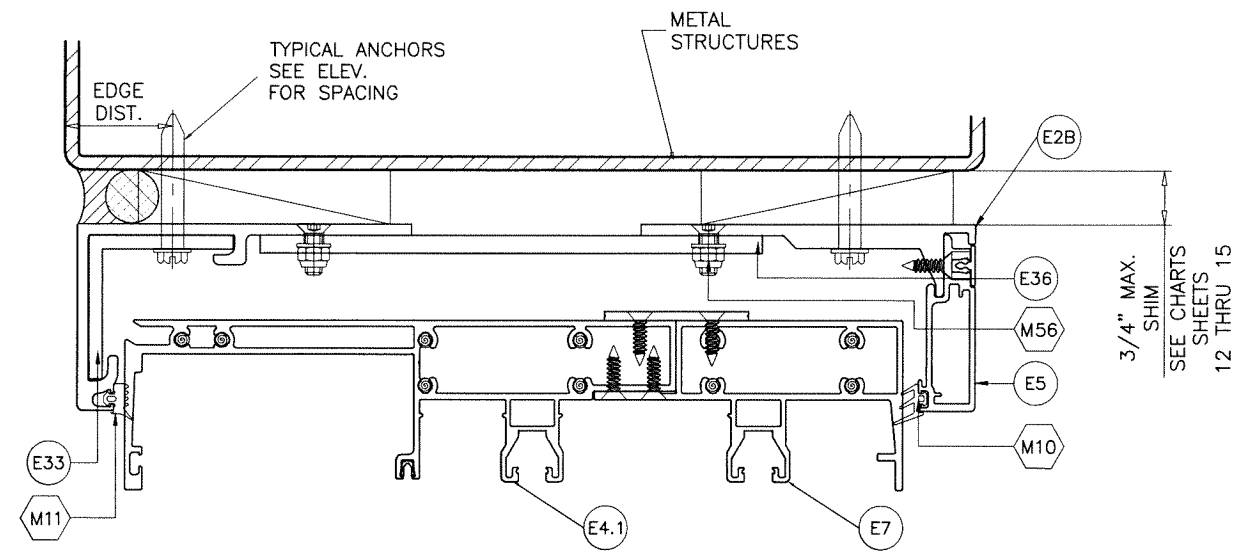
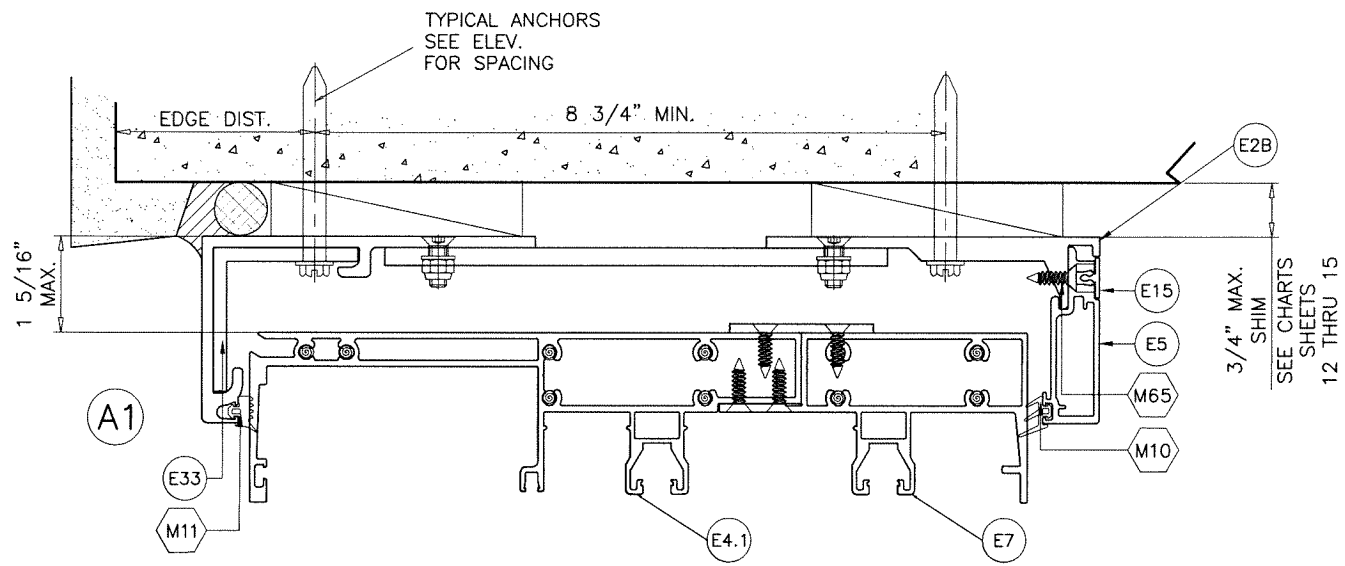
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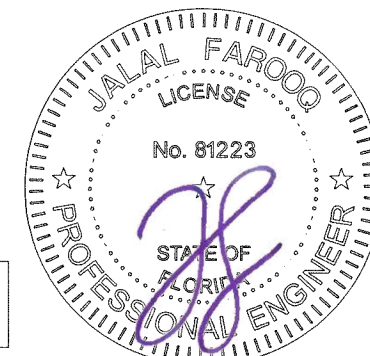
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chk.	by:		
drawing no.		25-62F	
sheet		24 of 32	



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3 TRACK FRAMES
ANCHOR LOCATIONS



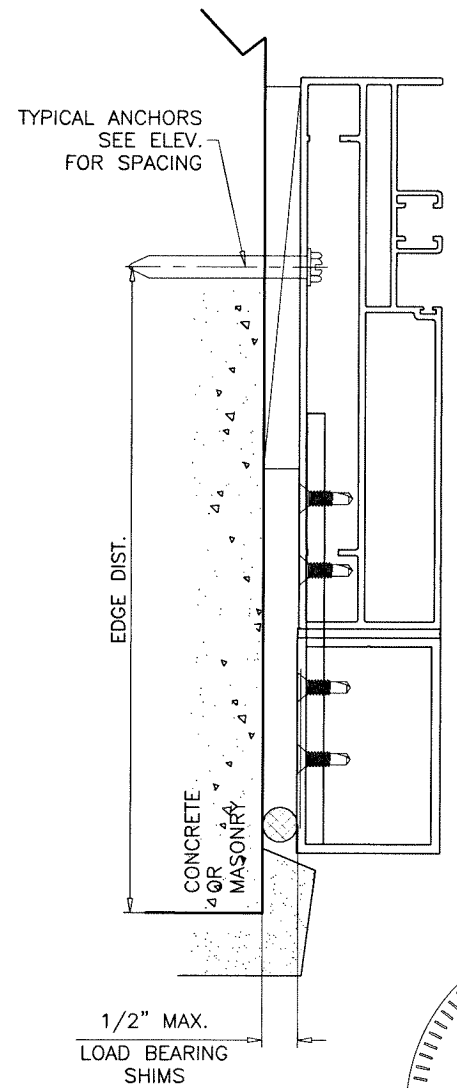
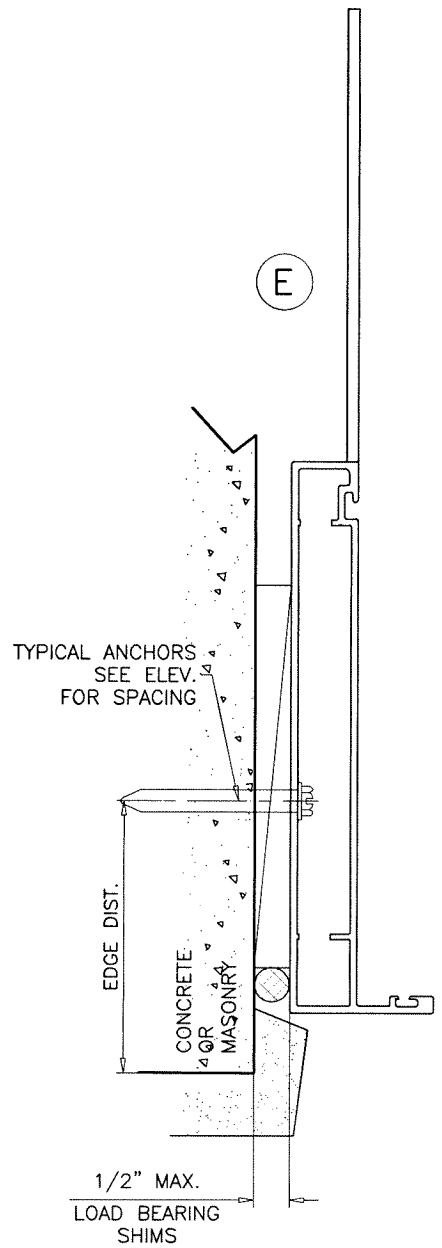
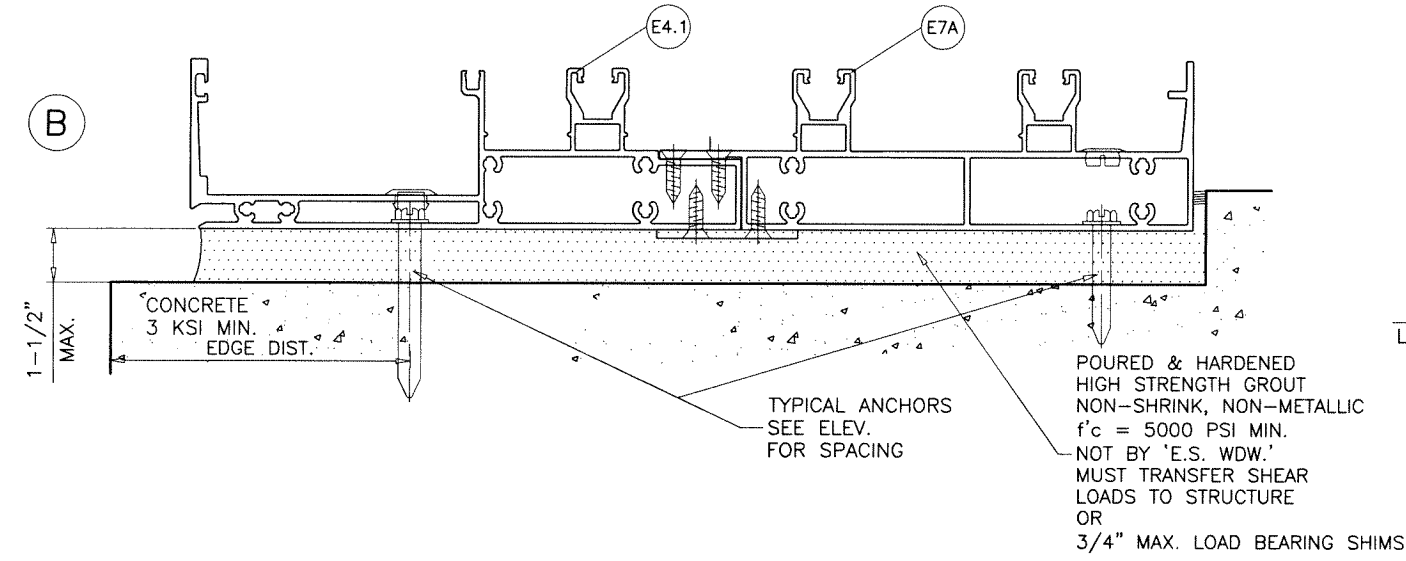
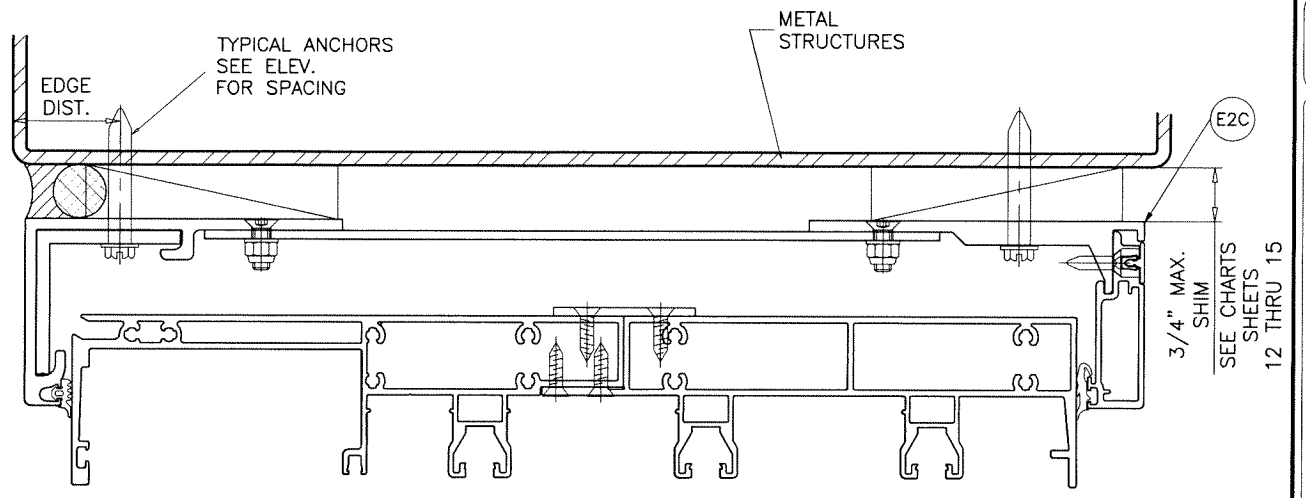
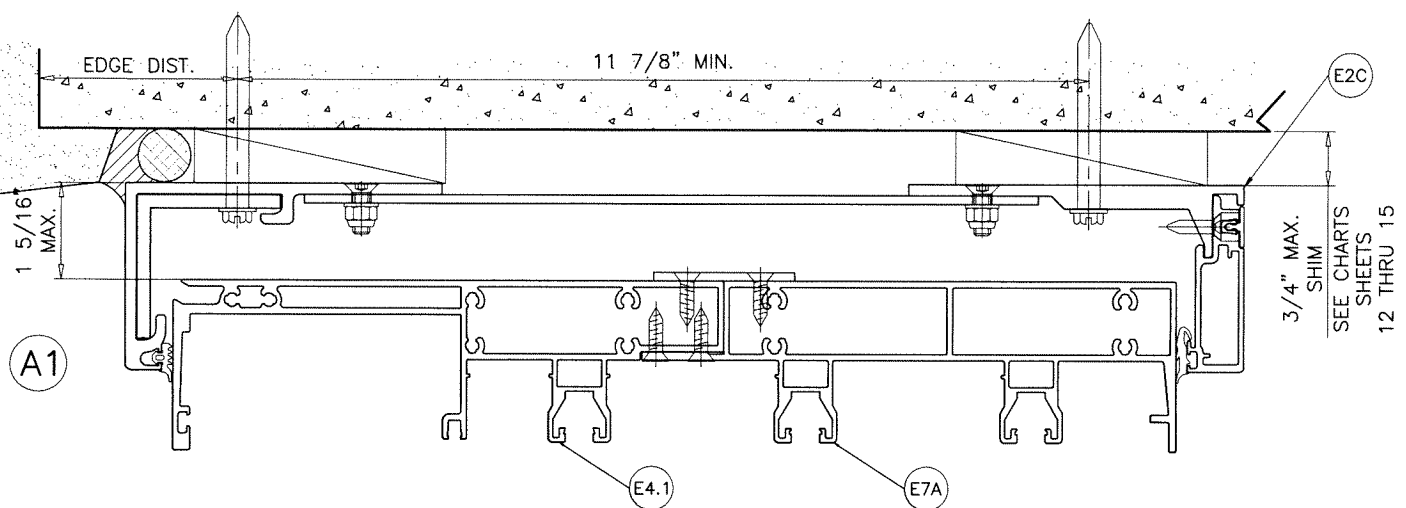
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sheet 25 of 32

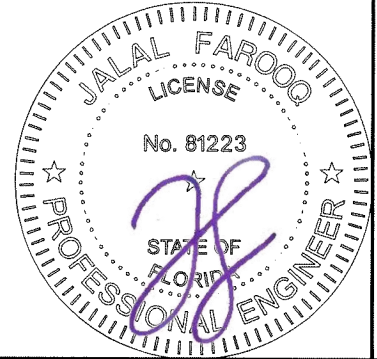
ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (L.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
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3 TRACK FRAMES
ANCHOR LOCATIONS



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revisions:		drawing no.	
no	date by description	25-62F	sheet 26 of 32
date: 10-22-25	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:

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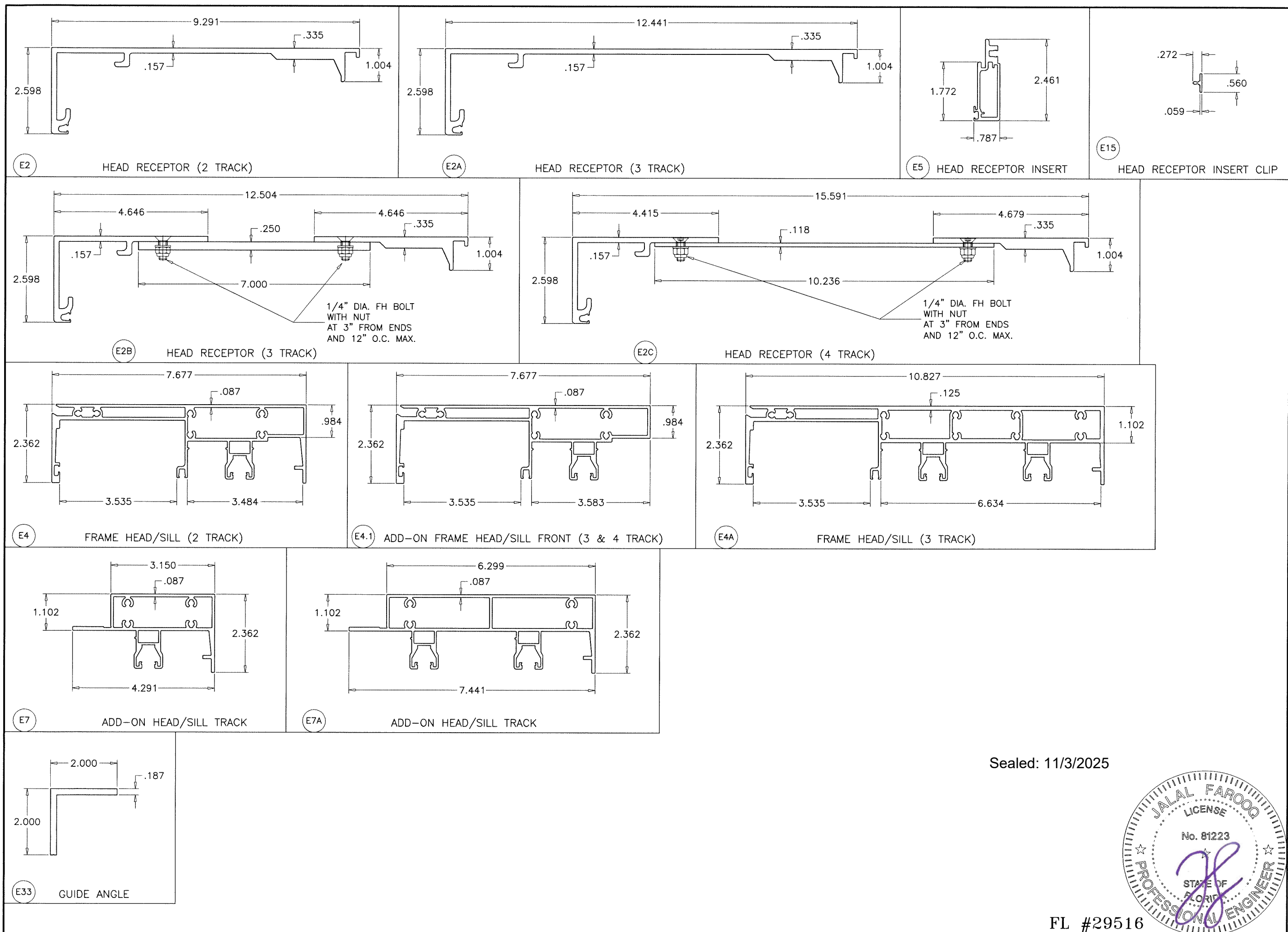
ES-LS7035-13 LIFT & SLIDE ALUM GLASS DOOR (L.M.I.)

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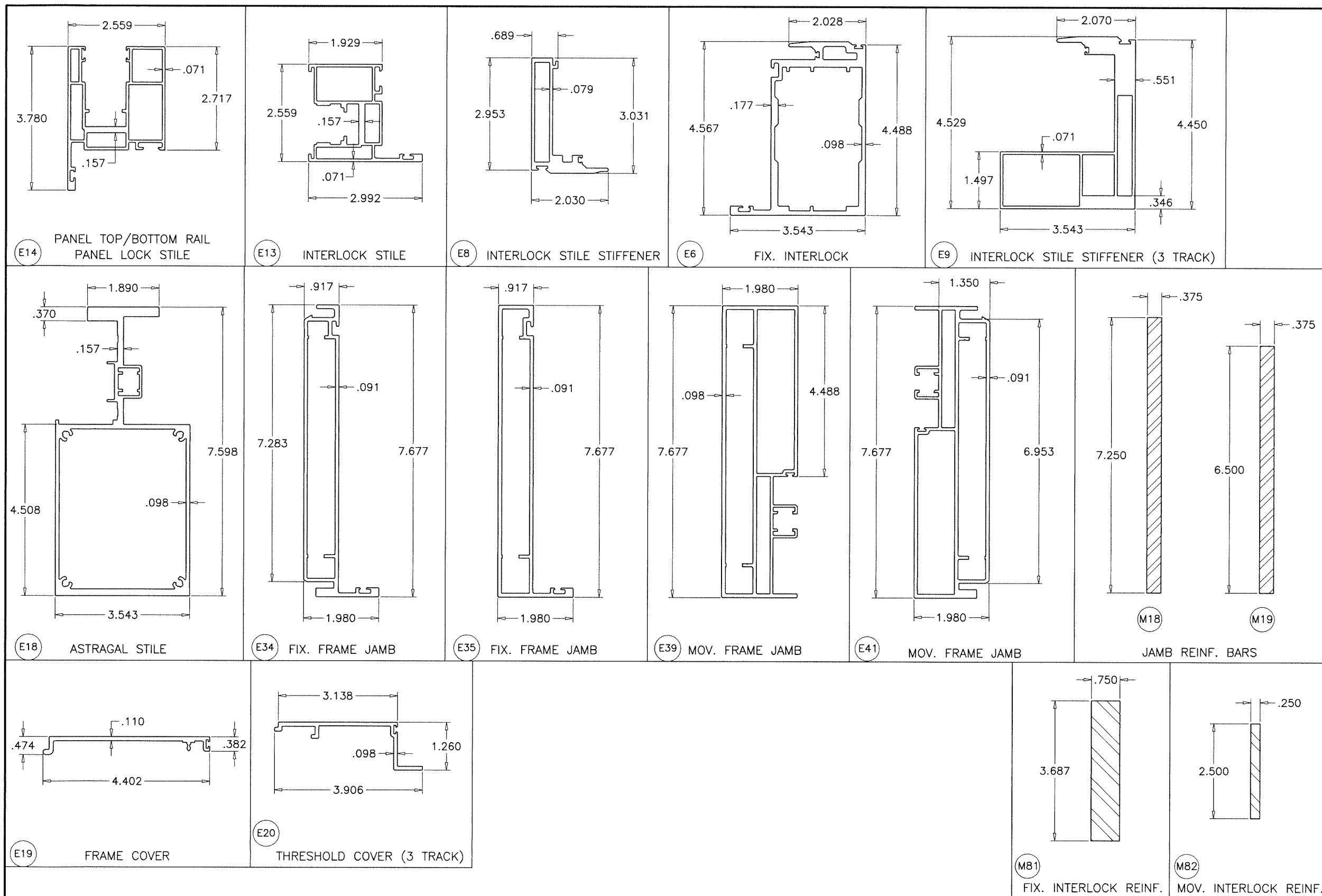
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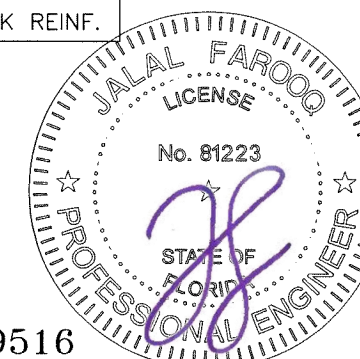
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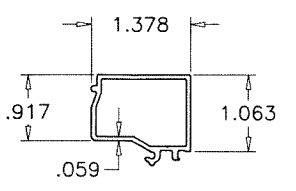
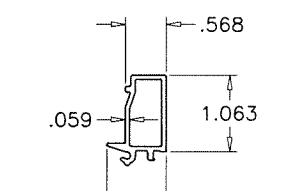
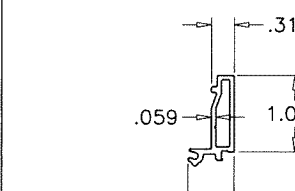
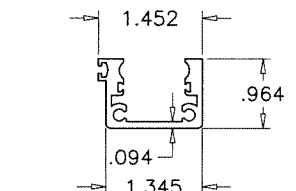
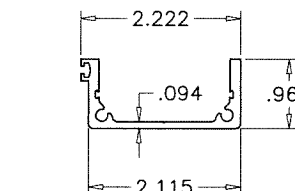
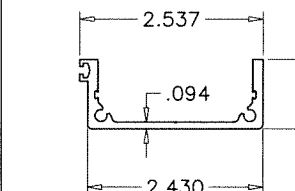
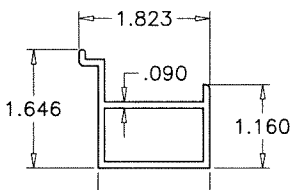
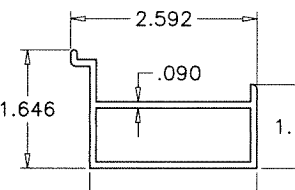
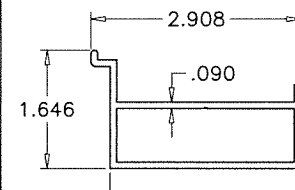
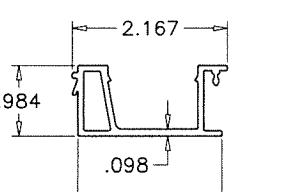
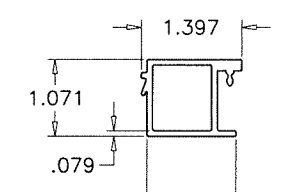
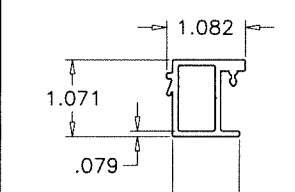
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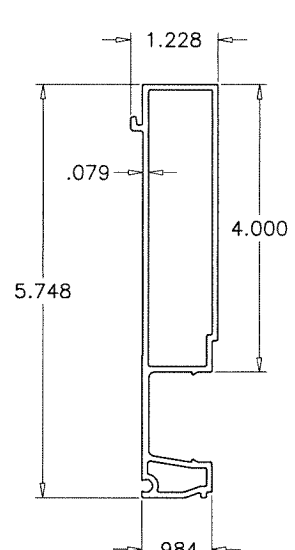
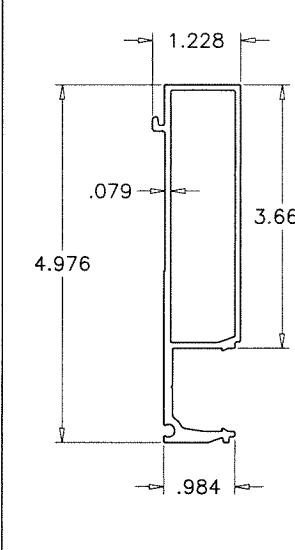
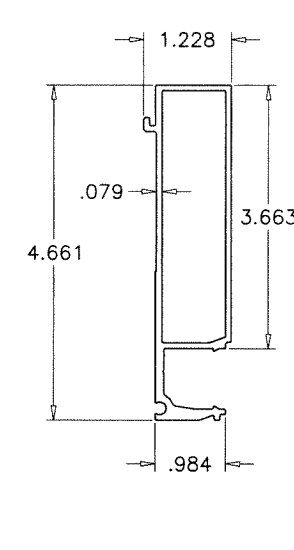
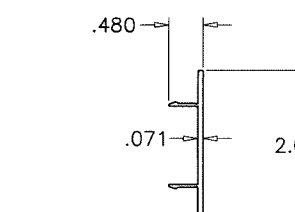
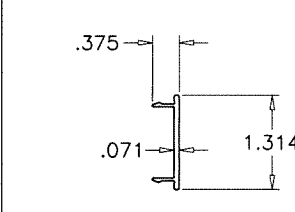
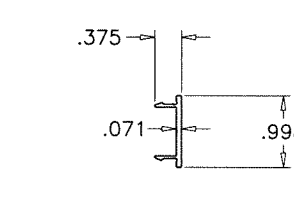
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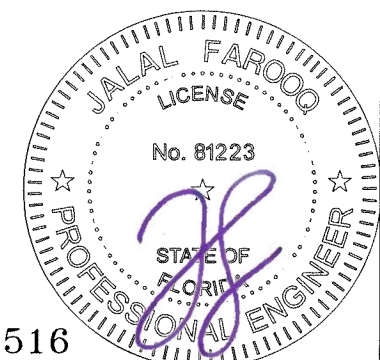
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FBPE #3538

		
E22 PANEL GLASS STOP (LAM. GLASS)	E22A PANEL GLASS STOP (INSUL. LAM. GLASS)	E22B PANEL GLASS STOP (DOUBLE LAM. GLASS)
		
E29 FRAME FIXED (LAM. GLASS)	E29A FRAME FIXED (INSUL. LAM. GLASS)	E29B FRAME FIXED (DOUBLE LAM. GLASS)
		
E28 SILL ADAPTOR (LAM. GLASS)	E28A SILL ADAPTOR (INSUL. LAM. GLASS)	E28B SILL ADAPTOR (DOUBLE LAM. GLASS)
		
E26 GLASS STOP (HEAD/SILL) (LAM. GLASS)	E26A GLASS STOP (HEAD/SILL) (INSUL. LAM. GLASS)	E26B GLASS STOP (HEAD/SILL) (DOUBLE LAM. GLASS)

		
E24 GLASS STOP (JAMB) (LAM. GLASS)	E24A GLASS STOP (JAMB) (INSUL. LAM. GLASS)	E24B GLASS STOP (JAMB) (DOUBLE LAM. GLASS)
		
E25 GLASS STOP COVER (LAM. GLASS)	E25A GLASS STOP COVER (INSUL. LAM. GLASS)	E25B GLASS STOP COVER (DOUBLE LAM. GLASS)

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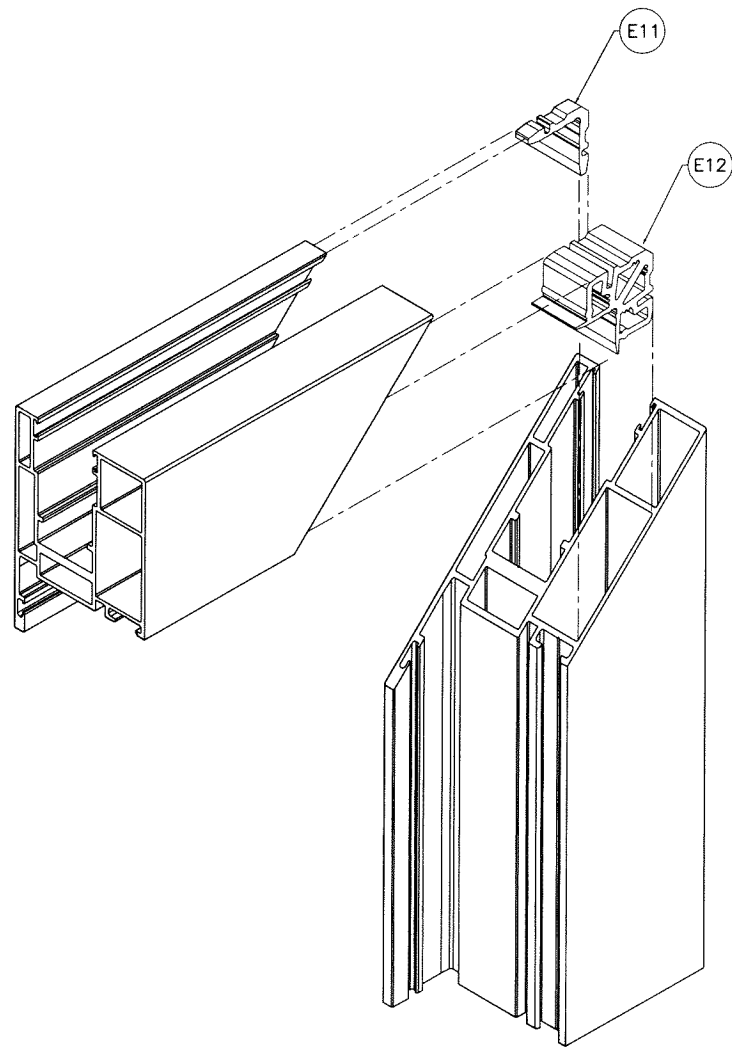
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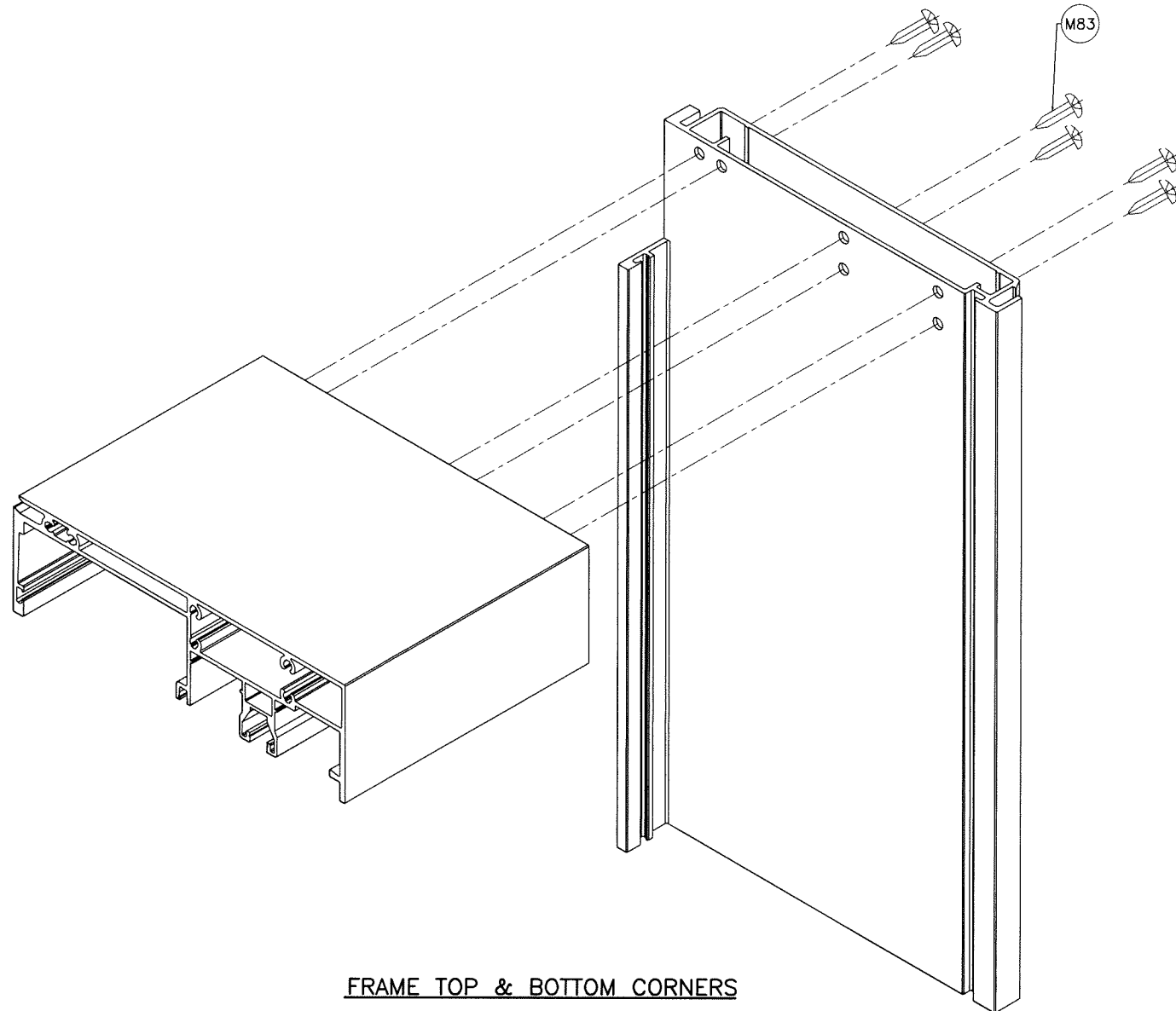
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PANEL TOP/BOTTOM CORNER



FRAME TOP & BOTTOM CORNERS

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date: 10-22-25
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
25-62F
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