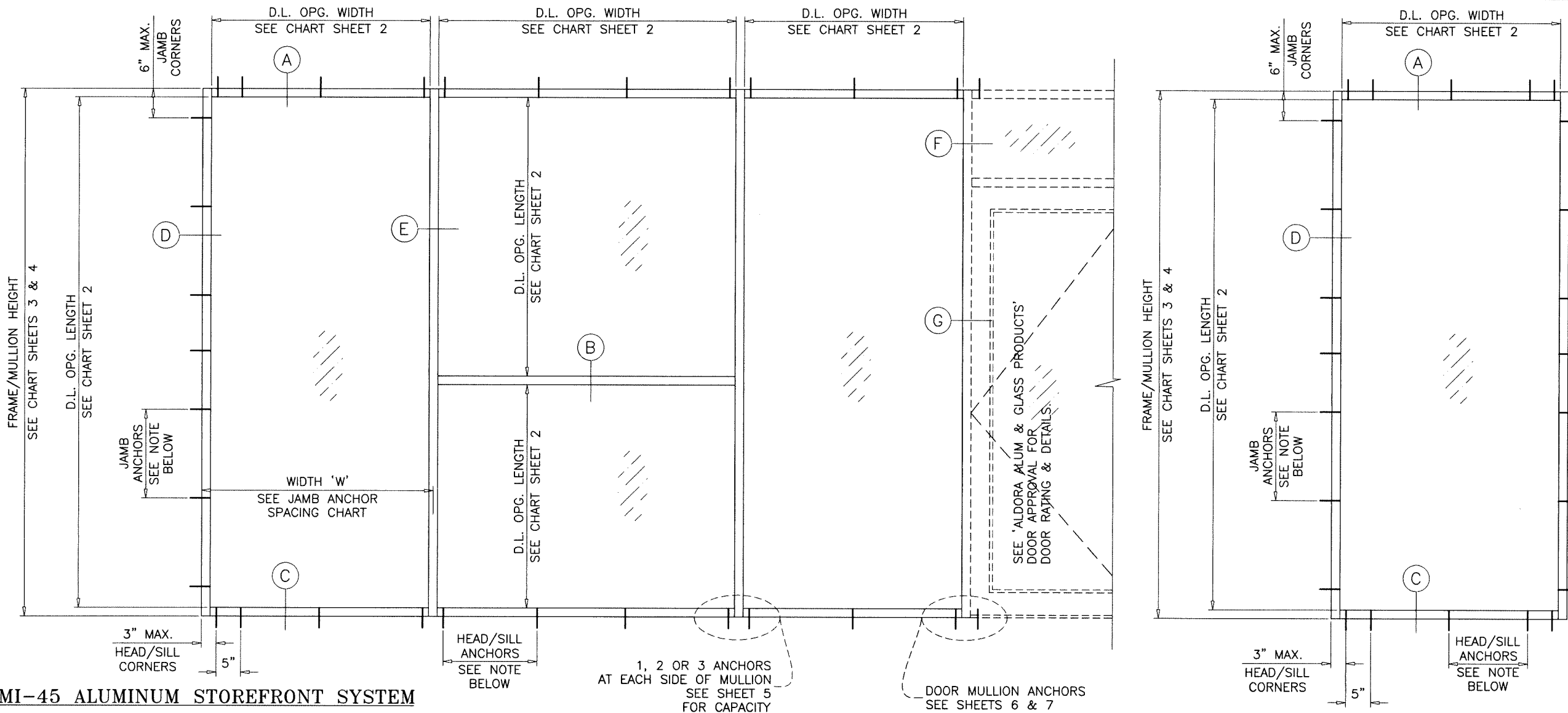




SERIES SMI-45 ALUMINUM STOREFRONT SYSTEM

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH F.B.C. APPROVED DOORS.

LOWER DESIGN PRESSURE FROM STOREFRONT OR DOOR APPROVAL WILL APPLY TO ENTIRE SYSTEM.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH EDITION)/2026 (9TH EDITION) FLORIDA BUILDING CODE FOR NON HIGH VELOCITY HURRICANE ZONE.

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

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

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

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

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

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

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

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

TYPICAL ELEVATIONS

ANCHOR SPACING AT HEAD/SILL/JAMBS:
18" O.C. MAX. FOR LOADS UP TO 50.0 PSF
15" O.C. MAX. FOR LOADS ABOVE 50.0 PSF

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. REFER TO AL-FAROOQ STATEMENT OF EQUIVALENCY UPLOADED ALONGSIDE THIS DOCUMENT FOR FURTHER DETAILS.

STOREFRONT IS NOT RATED FOR IMPACT.

INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

INSTRUCTIONS:

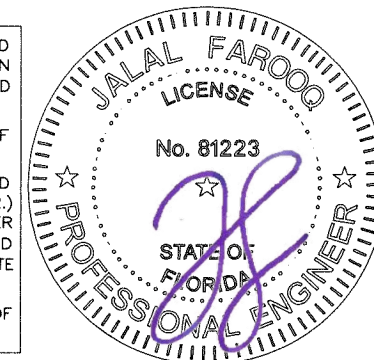
USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 3 & 4 FOR STOREFRONT MULLION AND SHEET 6 & 7 FOR DOOR MULLION. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHART ON SHEETS 5 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

- 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.

Sealed: 9/9/2026

FL #25948



SERIES SMI-45 ALUMINUM STOREFRONT SYSTEM (N.I.)

Aldora Aluminum & Glass Products Inc.

4250 Coral Ridge Drive, Suite 101
Coral Springs, FL 33065

Tel. (954) 784-6900 Fax. (954) 784-6901

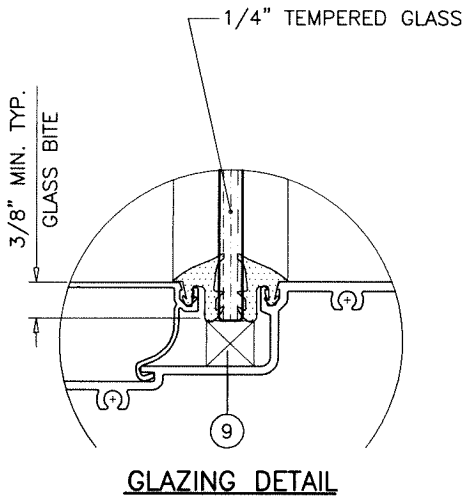
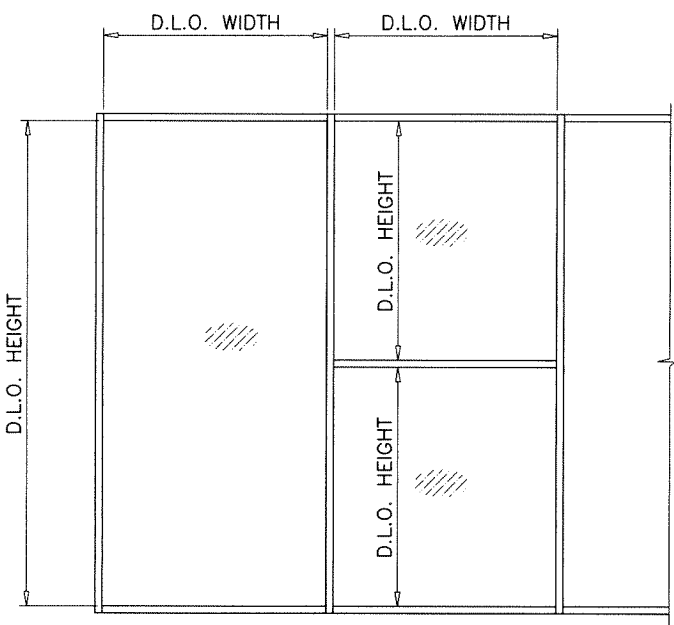
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

STORE 25-36FSM

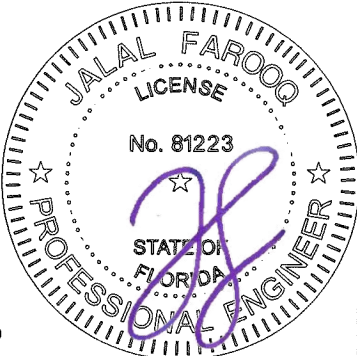
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date:	03-19-25			
scale:	1/2"=1'-0"			
dr. by:	TARIQ			
chk. by:				
drawing no.	25-36F			
sheet	1 of 11			

DESIGN LOAD CAPACITY - PSF		
NOMINAL DIMS.		1/4" TEMP. GL.
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) & INT.(-)
24"	72"	60.0
28"		60.0
32"		60.0
36"		60.0
40"		60.0
44"		60.0
48"		60.0
52"		60.0
56"		60.0
60"		60.0
64"		60.0
68"		60.0
72"		60.0
24"	78"	60.0
28"		60.0
32"		60.0
36"		60.0
40"		60.0
44"		60.0
48"		60.0
52"		60.0
56"		60.0
60"		60.0
64"		60.0
68"		60.0
24"	84"	60.0
28"		60.0
32"		60.0
36"		60.0
40"		60.0
44"		60.0
48"		60.0
52"		60.0
56"		60.0
60"		60.0
64"		60.0
24"	90"	60.0
28"		60.0
32"		60.0
36"		60.0
40"		60.0
44"		60.0
48"		60.0
52"		60.0
56"		60.0
60"		60.0

DESIGN LOAD CAPACITY - PSF		
NOMINAL DIMS.		1/4" TEMP. GL.
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) & INT.(-)
24"	96"	60.0
28"		60.0
32"		60.0
36"		60.0
40"		60.0
44"		60.0
48"		60.0
52"		60.0
56"		60.0
24"	102"	60.0
28"		60.0
32"		60.0
36"		60.0
40"		60.0
44"		60.0
48"		60.0
52"		60.0
24"	108"	60.0
28"		60.0
32"		60.0
36"		60.0
40"		60.0
44"		60.0
48"		60.0
24"	114"	60.0
28"		60.0
32"		60.0
36"		60.0
40"		60.0
44"		60.0
24"	120"	60.0
28"		60.0
32"		60.0
36"		60.0
40"		60.0
44"		60.0
24"	126"	60.0
28"		60.0
32"		60.0
36"		60.0
40"		60.0
24"	132"	60.0
28"		60.0
32"		60.0
36"		60.0
40"		60.0
24"	144"	60.0
28"		60.0
32"		60.0
36"		60.0



Sealed: 9/9/2026



NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS).

GLASS CAPACITY CHART

FL #25948

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

STORE 25-36FSM

SERIES SMI-45 ALUMINUM STOREFRONT SYSTEM (N.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive, Suite 101
Coral Springs, FL 33065
Tel. (954) 784-6900 Fax. (954) 784-6901

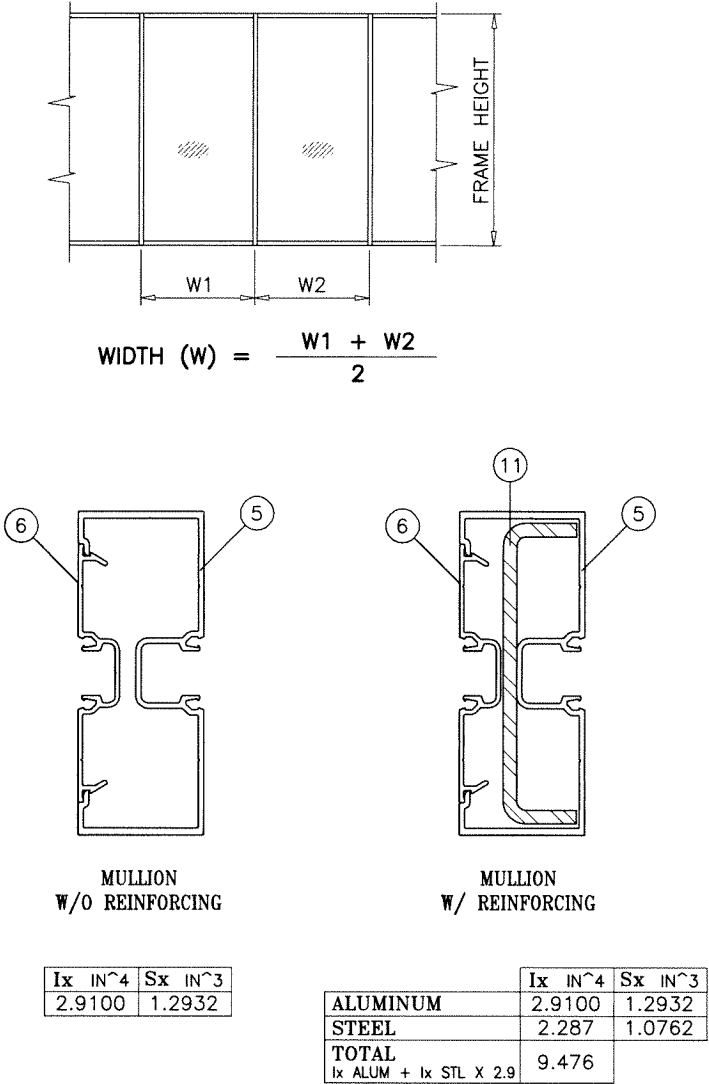
revisions:
no. date by description

date: 03-19-25
scale: -
dr. by: TARIQ
chk. by:

drawing no.
25-36F
sheet 2 of 11

MULLION LOAD CAPACITY – PSF WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
24"	78"	60.0	60.0	60.0	60.0
30"		60.0	60.0	60.0	60.0
36"		60.0	60.0	60.0	60.0
42"		60.0	60.0	60.0	60.0
48"		60.0	60.0	60.0	60.0
54"		60.0	60.0	60.0	60.0
60"		60.0	60.0	60.0	60.0
66"		60.0	60.0	60.0	60.0
72"		60.0	60.0	60.0	60.0
24"	84"	60.0	60.0	60.0	60.0
30"		60.0	60.0	60.0	60.0
36"		60.0	60.0	60.0	60.0
42"		60.0	60.0	60.0	60.0
48"		60.0	60.0	60.0	60.0
54"		58.8	58.8	60.0	60.0
60"		55.1	55.1	60.0	60.0
66"		52.3	52.3	60.0	60.0
24"	90"	60.0	60.0	60.0	60.0
30"		60.0	60.0	60.0	60.0
36"		60.0	60.0	60.0	60.0
42"		60.0	60.0	60.0	60.0
48"		54.6	54.6	60.0	60.0
54"		49.9	49.9	60.0	60.0
60"		46.4	46.4	60.0	60.0
24"	96"	60.0	60.0	60.0	60.0
30"		60.0	60.0	60.0	60.0
36"		59.9	59.9	60.0	60.0
42"		52.4	52.4	60.0	60.0
48"		47.0	47.0	60.0	60.0
54"		42.9	42.9	60.0	60.0
60"		39.7	39.7	60.0	60.0
24"	102"	60.0	60.0	60.0	60.0
30"		58.6	58.6	60.0	60.0
36"		49.6	49.6	60.0	60.0
42"		43.3	43.3	60.0	60.0
48"		38.7	38.7	60.0	60.0
54"		35.3	35.3	60.0	60.0
24"	108"	60.0	60.0	60.0	60.0
30"		49.2	49.2	60.0	60.0
36"		41.5	41.5	60.0	60.0
42"		36.2	36.2	60.0	60.0
48"		32.3	32.3	60.0	60.0
24"	114"	51.6	51.6	60.0	60.0
30"		41.7	41.7	60.0	60.0
36"		35.2	35.2	60.0	60.0
42"		30.6	30.6	60.0	60.0
48"		27.2	27.2	60.0	60.0
24"	120"	44.2	44.2	60.0	60.0
30"		35.6	35.6	60.0	60.0
36"		30.0	30.0	60.0	60.0
42"		26.1	26.1	60.0	60.0
48"		23.2	23.2	59.0	59.0

MULLION LOAD CAPACITY – PSF WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
24"	126"	38.1	38.1	60.0	60.0
30"		30.7	30.7	60.0	60.0
36"		25.9	25.9	60.0	60.0
42"		22.4	22.4	60.0	60.0
24"	132"	33.1	33.1	60.0	60.0
30"		26.7	26.7	60.0	60.0
36"		22.4	22.4	60.0	60.0
42"		–	–	54.6	54.6
24"	138"	28.9	28.9	60.0	60.0
30"		23.3	23.3	60.0	60.0
36"		–	–	57.7	57.7
24"	144"	25.4	25.4	60.0	60.0
30"		20.5	20.5	60.0	60.0
36"		–	–	52.9	52.9



Sealed: 9/9/2026



MULLION CAPACITY CHART

FL #25948

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

SERIES SM-45 ALUMINUM STOREFRONT SYSTEM (N.I.)

Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive, Suite 101
Coral Springs, FL 33065
Tel. (954) 784-6900 Fax. (954) 784-6901

revisions:

no	date	by	description

date: 03-19-25

scale: –

dr. by: TARIQ

chk. by:

drawing no.

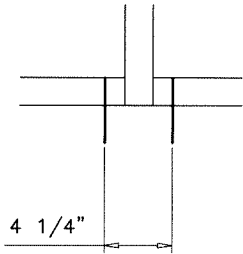
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sheet 3 of 11

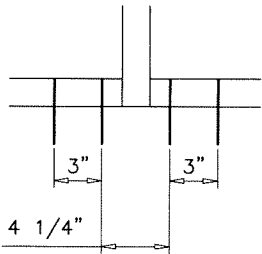
STORE 25-36FSM

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)									
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'			ANCHORS 'C'	
WIDTH (W)	FRAME HEIGHT	A1	A2	A3	B1	B2	B3	C1	C2
24"	78"	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
30"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
42"		54.6	60.0	60.0	56.3	60.0	60.0	60.0	60.0
48"		50.4	60.0	60.0	52.0	60.0	60.0	58.7	60.0
54"		47.5	60.0	60.0	48.9	60.0	60.0	55.2	60.0
60"		45.4	60.0	60.0	46.8	60.0	60.0	52.8	60.0
66"		44.0	60.0	60.0	45.4	60.0	60.0	51.2	60.0
72"		43.2	60.0	60.0	44.6	60.0	60.0	50.3	60.0
24"	84"	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
30"		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36"		55.0	60.0	60.0	56.7	60.0	60.0	60.0	60.0
42"		49.4	60.0	60.0	50.9	60.0	60.0	57.5	60.0
48"		45.4	60.0	60.0	46.8	60.0	60.0	52.8	60.0
54"		42.5	60.0	60.0	43.8	60.0	60.0	49.4	60.0
60"		40.4	60.0	60.0	41.6	60.0	60.0	46.9	60.0
66"		38.8	60.0	60.0	40.0	60.0	60.0	45.2	60.0
24"	90"	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
30"		58.1	60.0	60.0	59.9	60.0	60.0	60.0	60.0
36"		50.4	60.0	60.0	52.0	60.0	60.0	58.7	60.0
42"		45.1	60.0	60.0	46.5	60.0	60.0	52.5	60.0
48"		41.3	60.0	60.0	42.5	60.0	60.0	48.0	60.0
54"		38.4	60.0	60.0	39.6	60.0	60.0	44.7	60.0
60"		36.3	60.0	60.0	37.4	60.0	60.0	42.2	60.0
24"	96"	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
30"		53.8	60.0	60.0	55.5	60.0	60.0	60.0	60.0
36"		46.6	60.0	60.0	48.0	60.0	60.0	54.2	60.0
42"		41.5	60.0	60.0	42.8	60.0	60.0	48.3	60.0
48"		37.8	60.0	60.0	39.0	60.0	60.0	44.0	60.0
54"		35.1	60.0	60.0	36.2	60.0	60.0	40.8	60.0
60"		33.0	60.0	60.0	34.0	60.0	60.0	38.4	60.0
24"	102"	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
30"		50.1	60.0	60.0	51.6	60.0	60.0	58.3	60.0
36"		43.2	60.0	60.0	44.6	60.0	60.0	50.3	60.0
42"		38.4	60.0	60.0	39.6	60.0	60.0	44.7	60.0
48"		34.9	60.0	60.0	36.0	60.0	60.0	40.6	60.0
54"		32.3	60.0	60.0	33.3	60.0	60.0	37.5	60.0
24"	108"	56.8	60.0	60.0	58.5	60.0	60.0	60.0	60.0
30"		46.9	60.0	60.0	48.3	60.0	60.0	54.5	60.0
36"		40.4	60.0	60.0	41.6	60.0	60.0	46.9	60.0
42"		35.8	60.0	60.0	36.9	60.0	60.0	41.6	60.0
48"		32.4	60.0	60.0	33.4	60.0	60.0	37.7	60.0
24"	114"	53.4	60.0	60.0	55.1	60.0	60.0	60.0	60.0
30"		44.0	60.0	60.0	45.4	60.0	60.0	51.2	60.0
36"		37.8	60.0	60.0	39.0	60.0	60.0	44.0	60.0
42"		33.5	60.0	60.0	34.5	60.0	60.0	38.9	60.0
48"		30.3	60.0	60.0	31.2	60.0	60.0	35.2	60.0
24"	120"	50.4	60.0	60.0	52.0	60.0	60.0	58.7	60.0
30"		41.5	60.0	60.0	42.8	60.0	60.0	48.3	60.0
36"		35.6	60.0	60.0	36.7	60.0	60.0	41.4	60.0
42"		31.4	60.0	60.0	32.4	60.0	60.0	36.6	60.0
48"		28.4	56.8	60.0	29.3	60.0	58.5	33.0	60.0

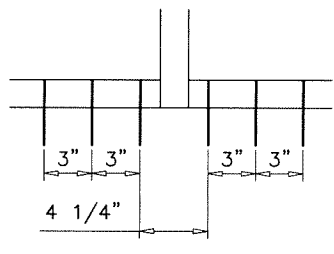
ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)									
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'			ANCHORS 'C'	
WIDTH (W)	FRAME HEIGHT	A1	A2	A3	B1	B2	B3	C1	C2
24"	126"	47.8	60.0	60.0	49.3	60.0	60.0	55.6	60.0
30"		39.3	60.0	60.0	40.5	60.0	60.0	45.7	60.0
36"		33.6	60.0	60.0	34.7	60.0	60.0	39.1	60.0
42"		29.6	59.3	60.0	30.6	60.0	60.0	34.5	60.0
24"	132"	45.4	60.0	60.0	46.8	60.0	60.0	52.8	60.0
30"		37.3	60.0	60.0	38.4	60.0	60.0	43.3	60.0
36"		31.9	60.0	60.0	32.8	60.0	60.0	37.1	60.0
42"		28.0	56.1	60.0	28.9	57.8	60.0	32.6	60.0
24"	138"	43.2	60.0	60.0	44.6	60.0	60.0	50.3	60.0
30"		35.4	60.0	60.0	36.5	60.0	60.0	41.2	60.0
36"		30.3	60.0	60.0	31.2	60.0	60.0	35.2	60.0
24"	144"	41.3	60.0	60.0	42.5	60.0	60.0	48.0	60.0
30"		33.8	60.0	60.0	34.8	60.0	60.0	39.3	60.0
36"		28.8	57.7	60.0	29.7	59.4	60.0	33.5	60.0



A1, B1, C1



A2, B2, C2



A3, B3

ANCHORS TYPES: SEE SHEET 8 FOR DESCRIPTION

A1 = (1) ANCHOR TYPE 'A' AT EACH SIDE OF MULLION
A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION

B1 = (1) ANCHOR TYPE 'B' AT EACH SIDE OF MULLION
B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION

C1 = (1) ANCHOR TYPE 'C' AT EACH SIDE OF MULLION
C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.

ANCHOR CAPACITY CHART

Sealed: 9/9/2026



FL #25948

af c

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

SERIES SMI-45 ALUMINUM STOREFRONT SYSTEM (N.I.)

Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive, Suite 101
Coral Springs, FL. 33065
Tel. (954) 784-6900 Fax. (954) 784-6901

revisions:	no	date	by	description

date: 03-19-25	scale: -	dr. by: TARIQ	chk. by:
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drawing no.	25-36F
sheet	5 of 11

STORE\25-36FSM

DOOR MULLION LOAD CAPACITY				
NOMINAL DIMS.				LOADS-PSF
DOOR WIDTH W2	SIDELITE WIDTH W1	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (-)
60"	30"	80"	90"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
60"	30"	80"	96"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
60"	30"	80"	102"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
60"	30"	80"	108"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			59.3
	54"			56.3
60"	30"	80"	114"	60.0
	36"			60.0
	42"			60.0
	48"			57.7
	54"			54.5
72"	30"			60.0
	36"			58.2
	42"			55.0
	48"			52.1
	54"			49.5
60"	30"	80"	120"	60.0
	36"			57.9
	42"			54.4
	48"			51.3
	54"			48.5
72"	30"			54.8
	36"			51.6
	42"			48.8
	48"			46.3

DOOR MULLION LOAD CAPACITY				
NOMINAL DIMS.				LOADS-PSF
DOOR WIDTH W2	SIDELITE WIDTH W1	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (-)
60"	30"	84"	90"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
60"	30"	84"	96"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
60"	30"	84"	102"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
60"	30"	84"	108"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			57.7
60"	30"	84"	114"	60.0
	36"			60.0
	42"			60.0
	48"			58.7
	54"			55.4
72"	30"			60.0
	36"			59.5
	42"			56.1
	48"			53.1
	54"			50.4
60"	30"	84"	120"	60.0
	36"			58.9
	42"			55.2
	48"			49.2
	54"			55.8
72"	30"			52.5
	36"			49.6
	42"			47.0
	48"			

DOOR MULLION LOAD CAPACITY				
NOMINAL DIMS.				LOADS-PSF
DOOR WIDTH W2	SIDELITE WIDTH W1	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (-)
60"	30"	90"	96"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
60"	30"	90"	102"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
60"	30"	90"	108"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
60"	30"	90"	114"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			57.2
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			58.3
	54"			55.1
60"	30"	90"	120"	60.0
	36"			60.0
	42"			56.8
	48"			53.4
	54"			50.4
72"	30"			57.7
	36"			54.2
	42"			51.1
	48"			48.4

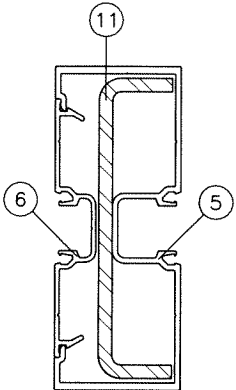
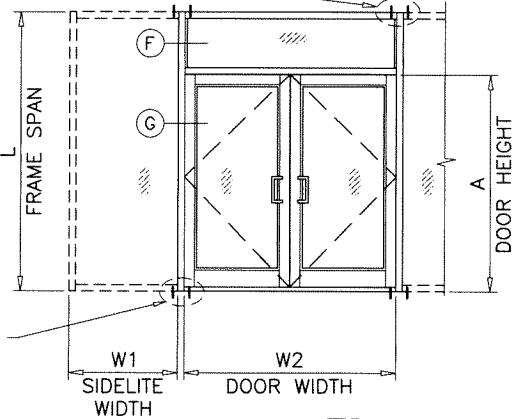
ANCHOR TYPES	TOTAL NO. OF ANCHORS AT DOOR MULLION SILL		
	LOADS UPTO 35 PSF	LOADS UPTO 45 PSF	LOADS ABOVE 45 PSF
B	2	3	4

DOOR MULLION CAPACITY CHART

DOOR MULLION LOAD CAPACITY				
NOMINAL DIMS.				LOADS-PSF
DOOR WIDTH W2	SIDELITE WIDTH W1	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (-)
60"	30"	96"	102"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
60"	30"	96"	108"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			60.0
60"	30"	96"	114"	60.0
	36"			60.0
	42"			60.0
	48"			60.0
	54"			59.5
72"	30"			60.0
	36"			60.0
	42"			60.0
	48"			57.7
	54"			54.5
60"	30"	96"	120"	60.0
	36"			60.0
	42"			58.9
	48"			55.2
	54"			52.0
72"	30"			60.0
	36"			56.5
	42"			53.1
	48"			50.1

ANCHOR TYPES	TOTAL NO. OF ANCHORS AT DOOR MULLION HEAD		
	LOADS UPTO 35 PSF	LOADS UPTO 45 PSF	LOADS ABOVE 45 PSF
A	3	4	5
B	3	4	5
C	3	4	5

	Ix IN^4	Sx IN^3
ALUMINUM	2.9100	1.2932
STEEL	2.287	1.0762
TOTAL Ix ALUM + Ix STL X 2.9	9.4637	



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(C.A.N. 3538)

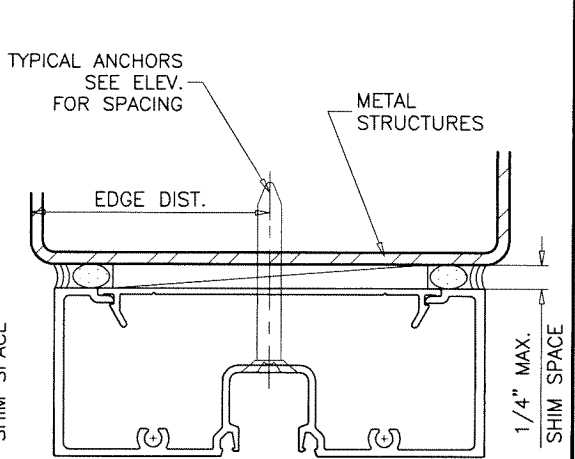
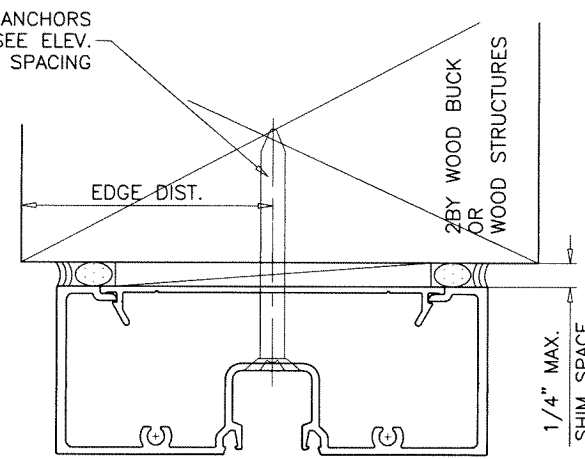
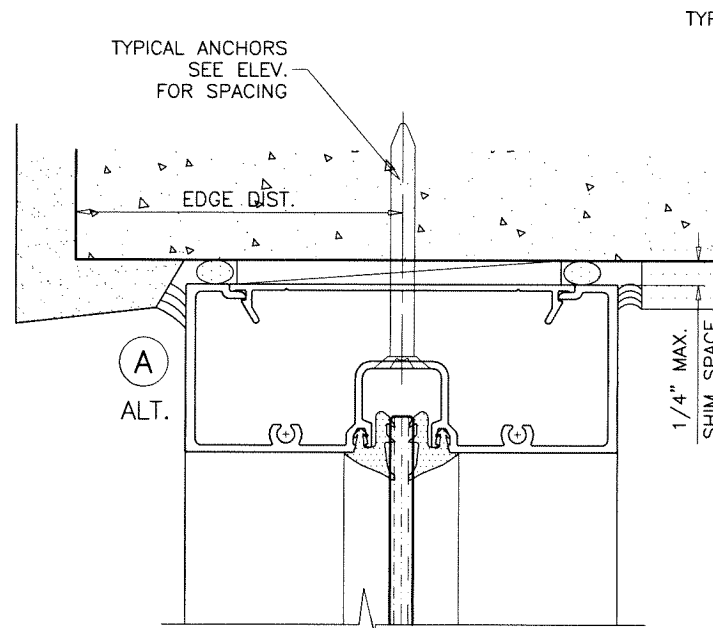
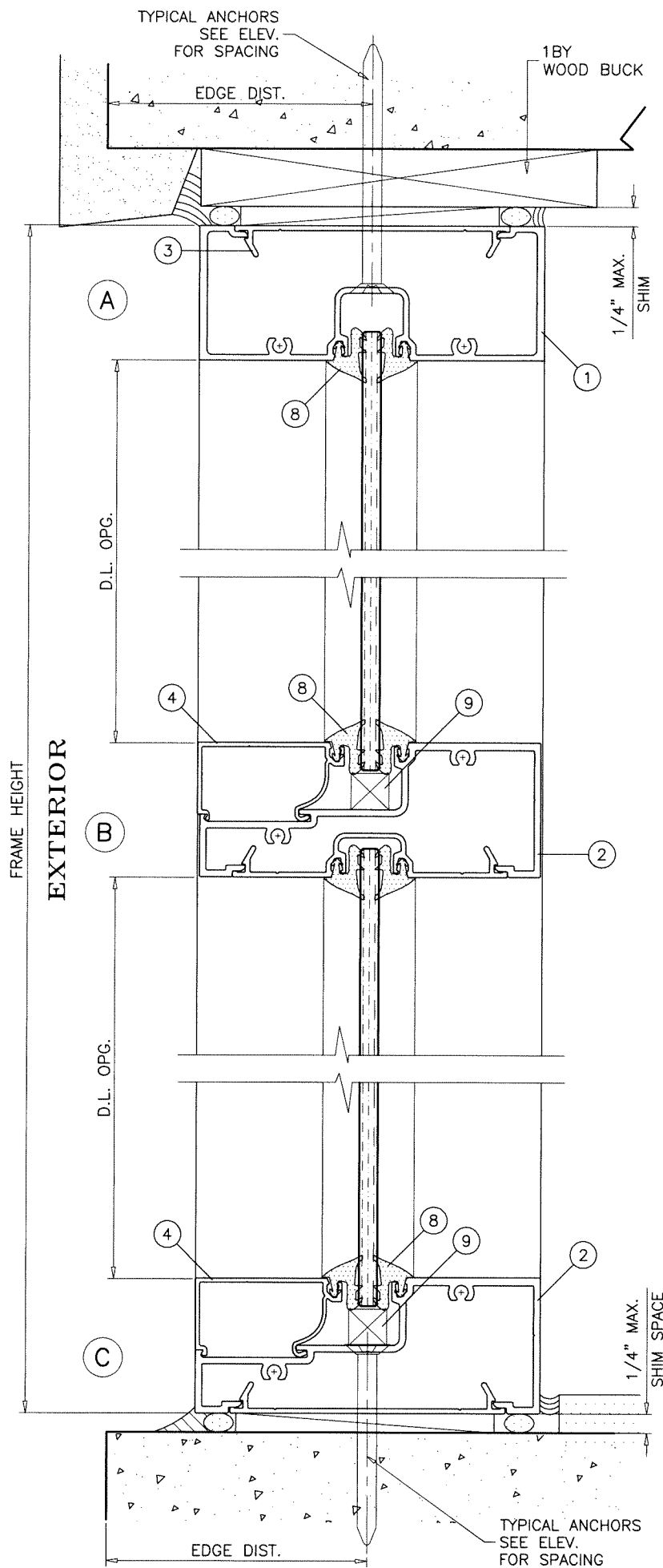
SERIES SMI-45 ALUMINUM STOREFRONT SYSTEM (N.I.)
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4250 Coral Ridge Drive, Suite 101
Coral Springs, FL. 33065
Tel. (954) 784-6900 Fax. (954) 784-6901

revisions:	no	date	by	description

date: 03-19-25	scale: -	dr. by: TARIQ	chk. by:
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drawing no.	25-36F
sheet	7 of 11

FL #25948



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'

1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.

TYPE 'B'

1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE = 2-1/2" MIN.

TYPE 'C'

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

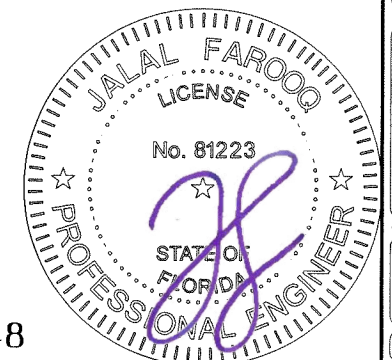
ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY
 'ALDORA ALUMINUM AND GLASS PRODUCTS'
 MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND
 TRANSFER THEM TO THE BUILDING STRUCTURE.

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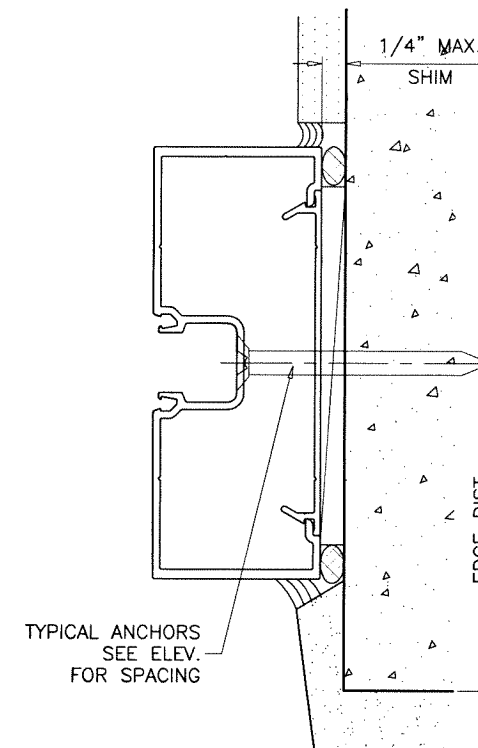
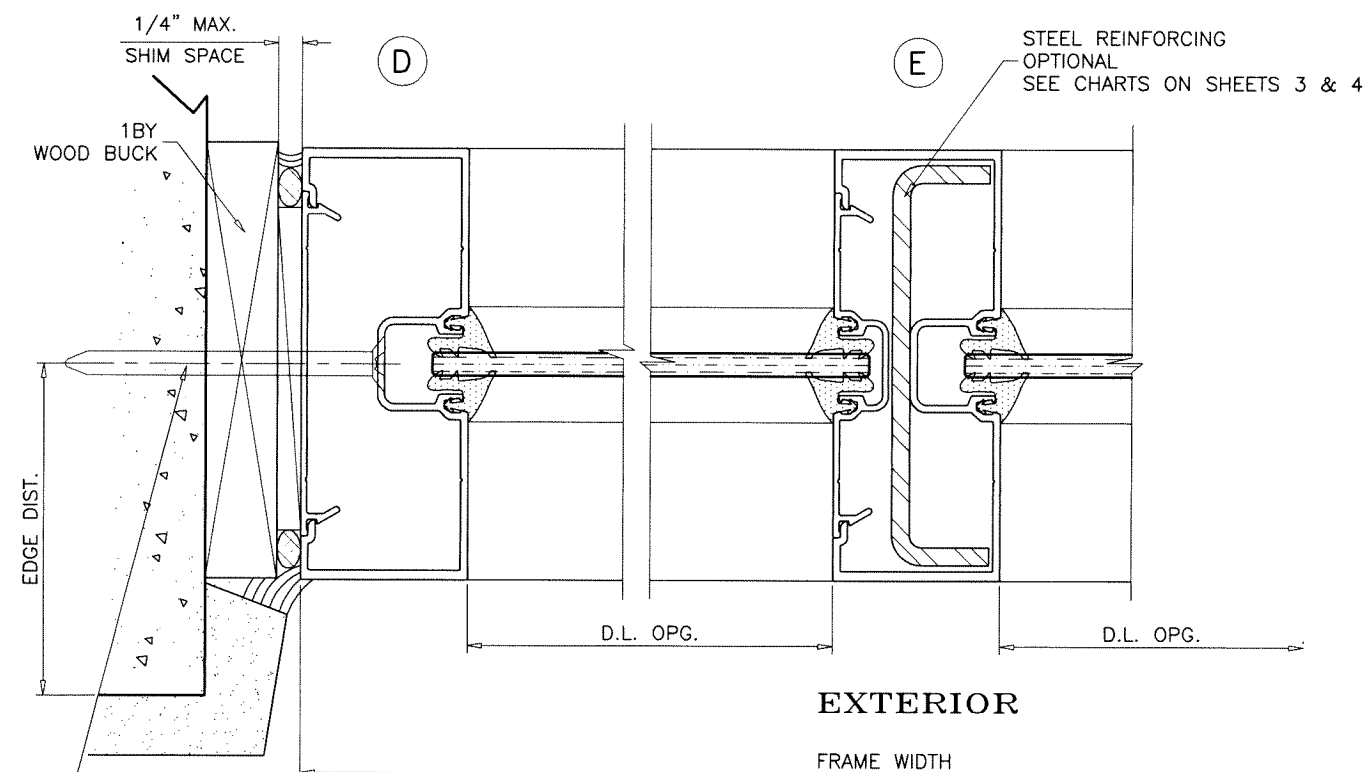
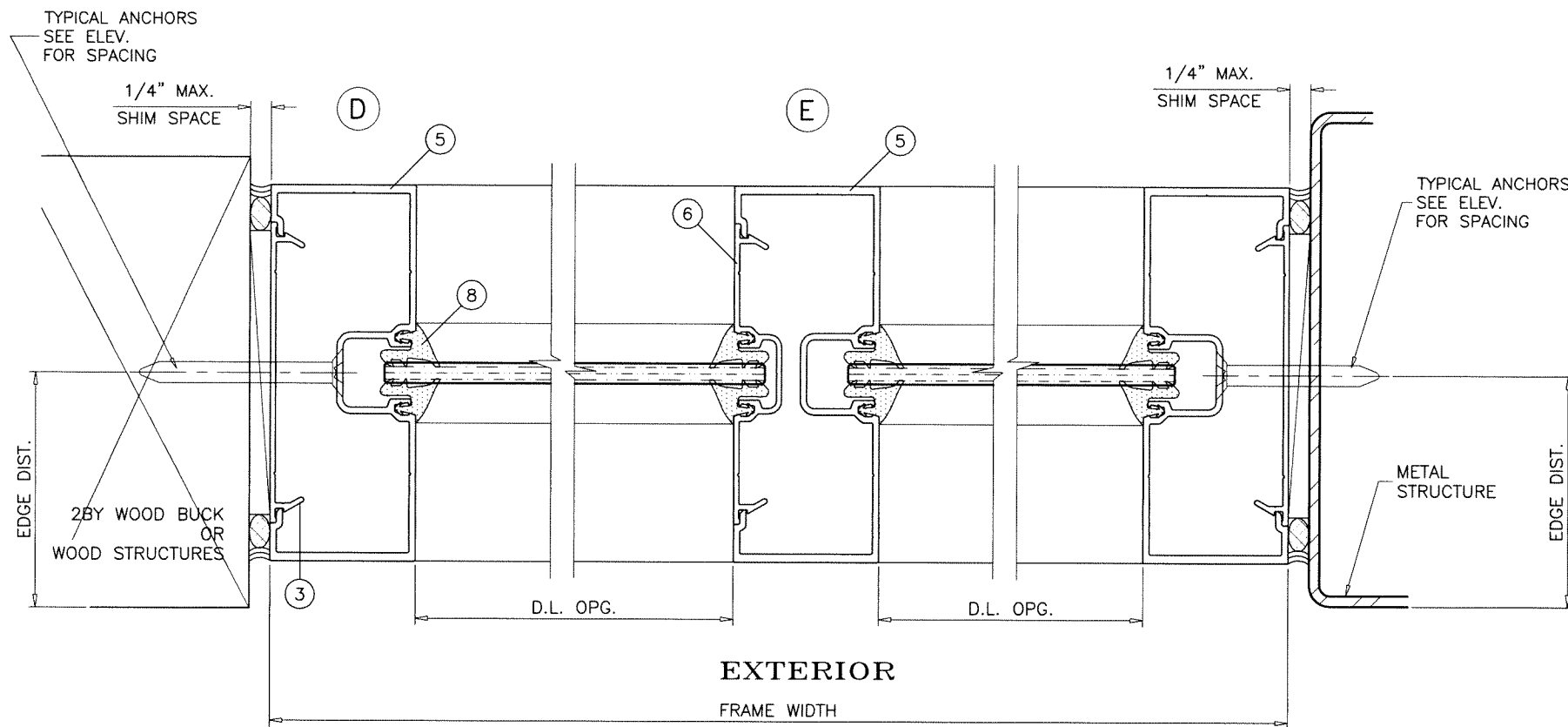


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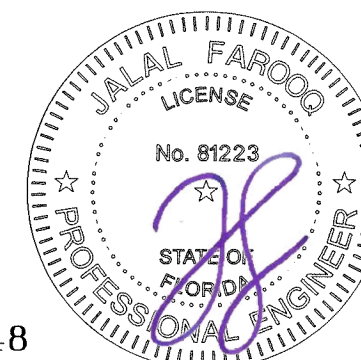
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 ENGINEERS & PRODUCT DEVELOPMENT
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 C.A.N. 3538

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drawing no.		25-36F	
sheet		8 of 11	



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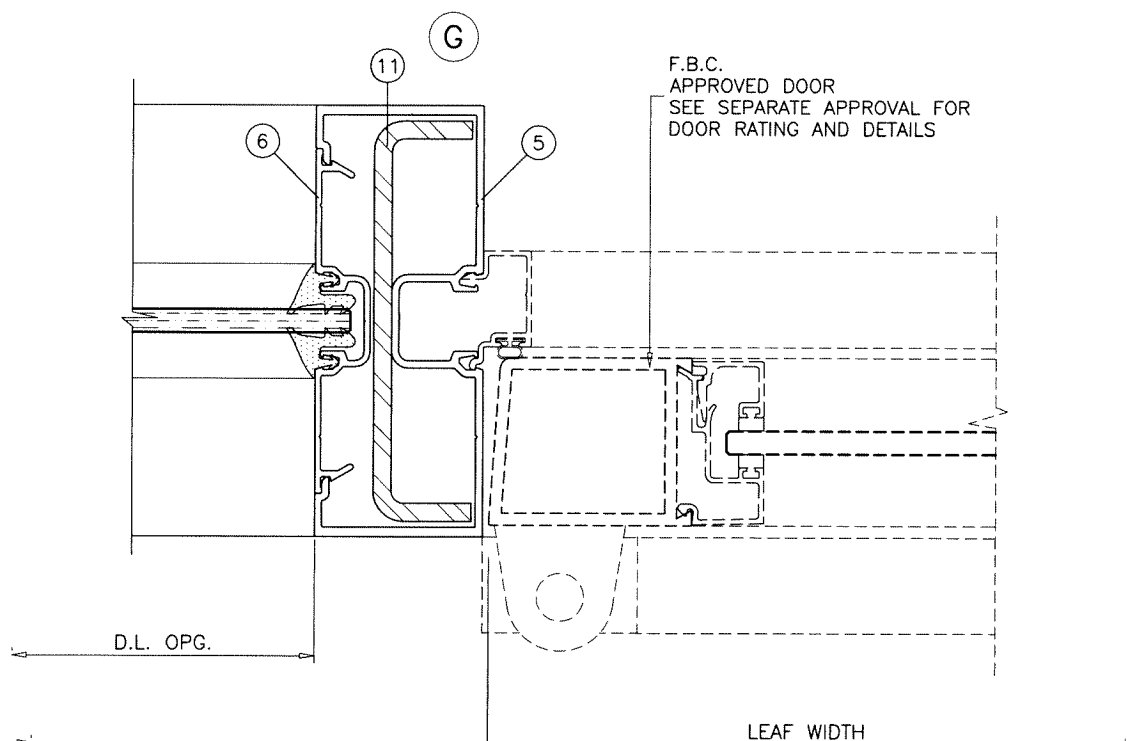
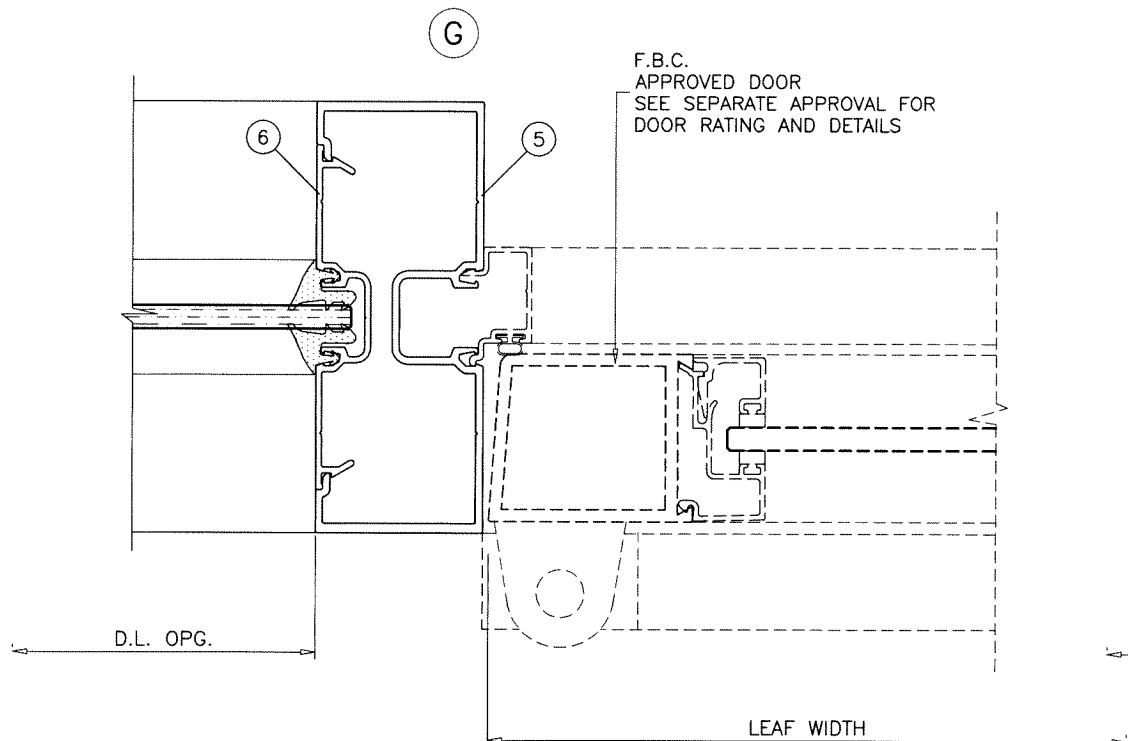
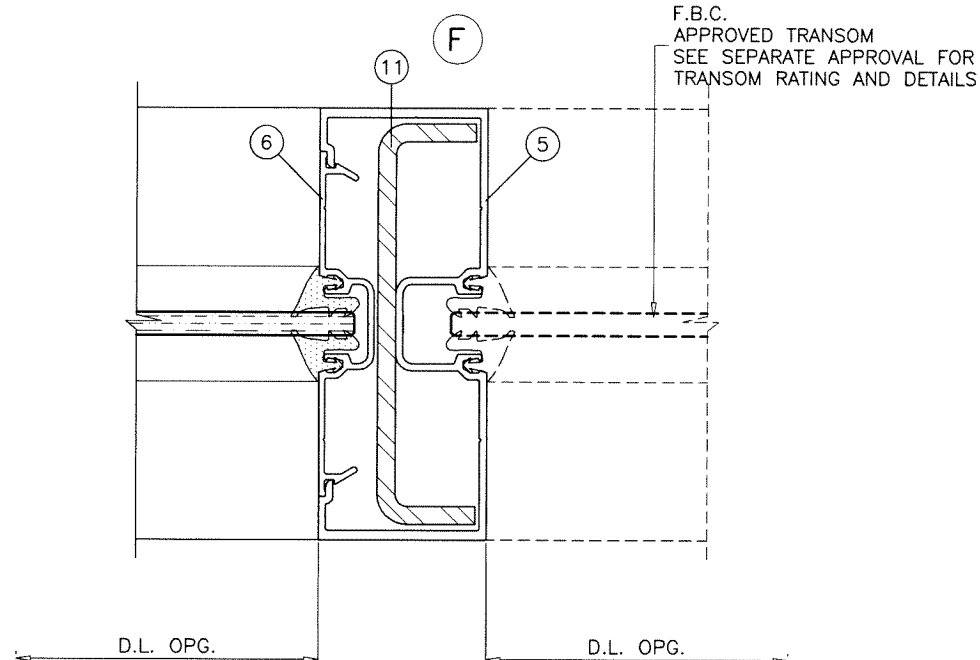
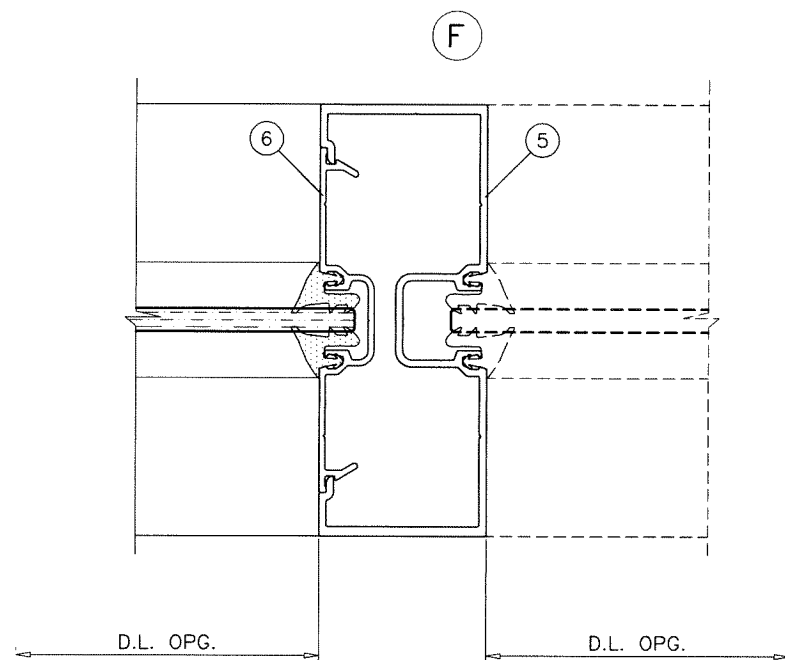
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 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
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 STORE \25-36FSM

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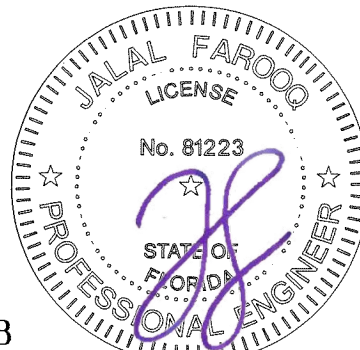
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25-36F
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STORE\25-36FSM

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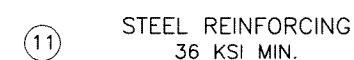
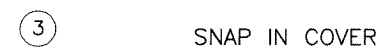
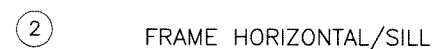
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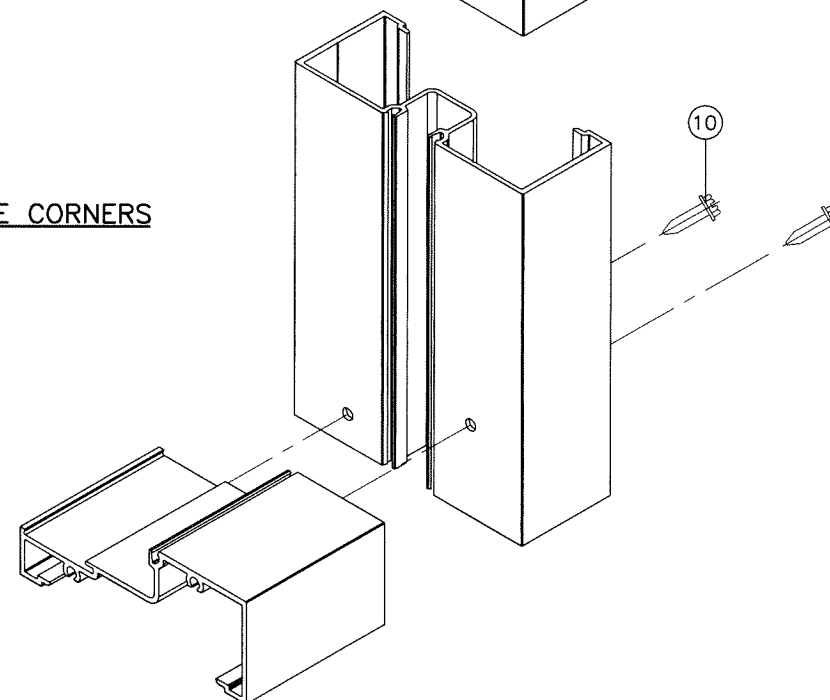
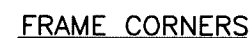
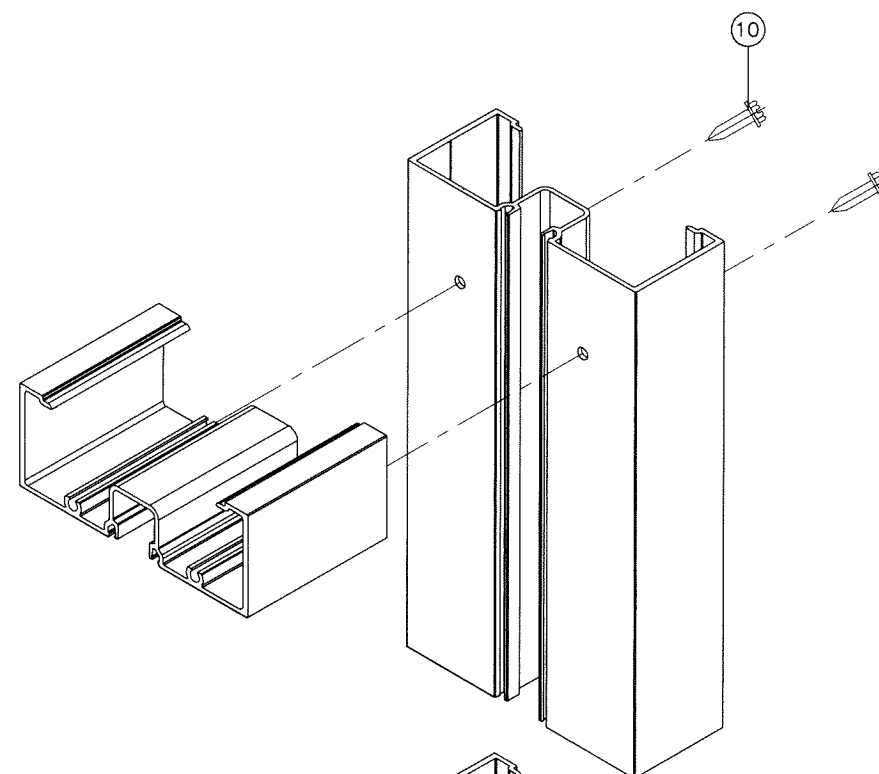
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scale: 1/2" = 1"
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chk. by:

drawing no.
25-36F
sheet 10 of 11



ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SMI-113	AS REQD.	FRAME HEAD	6063-T6	—
2	SMI-114	AS REQD.	FRAME HORIZONTAL/SILL	6063-T6	—
3	SMI-118	AS REQD.	SNAP IN COVER, 2-1/2" LONG	6063-T6	—
4	SMI-116	AS REQD.	GLAZING STOP	6063-T5	—
5	SMI-110	AS REQD.	FRAME JAMB/MULLION	6063-T6	—
6	SMI-117	AS REQD.	POCKET FILLER	6063-T6	—
7	—	—	—	—	—
8	SMI-G04	AS REQD.	GLAZING GASKET (DUROMETER 70±5)	EPDM	FRANK LOWE RUBBER
9	SMI-45	AS REQD.	SETTING BLOCK AT 1/4" POINTS (DUROMETER 85±5)	EPDM	1/2" X 1/2" X 4" LONG
10	#12 X 1-1/2"	2/ CORNER	ASSEMBLY SCREWS	STEEL	HEX H SELF DRILLING
11	—	OPTIONAL	REINFORCING CHANNEL	STEEL	4-1/4" X 1" X 3/16" THK.



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25-36F																							
sheet 11 of 11																							
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