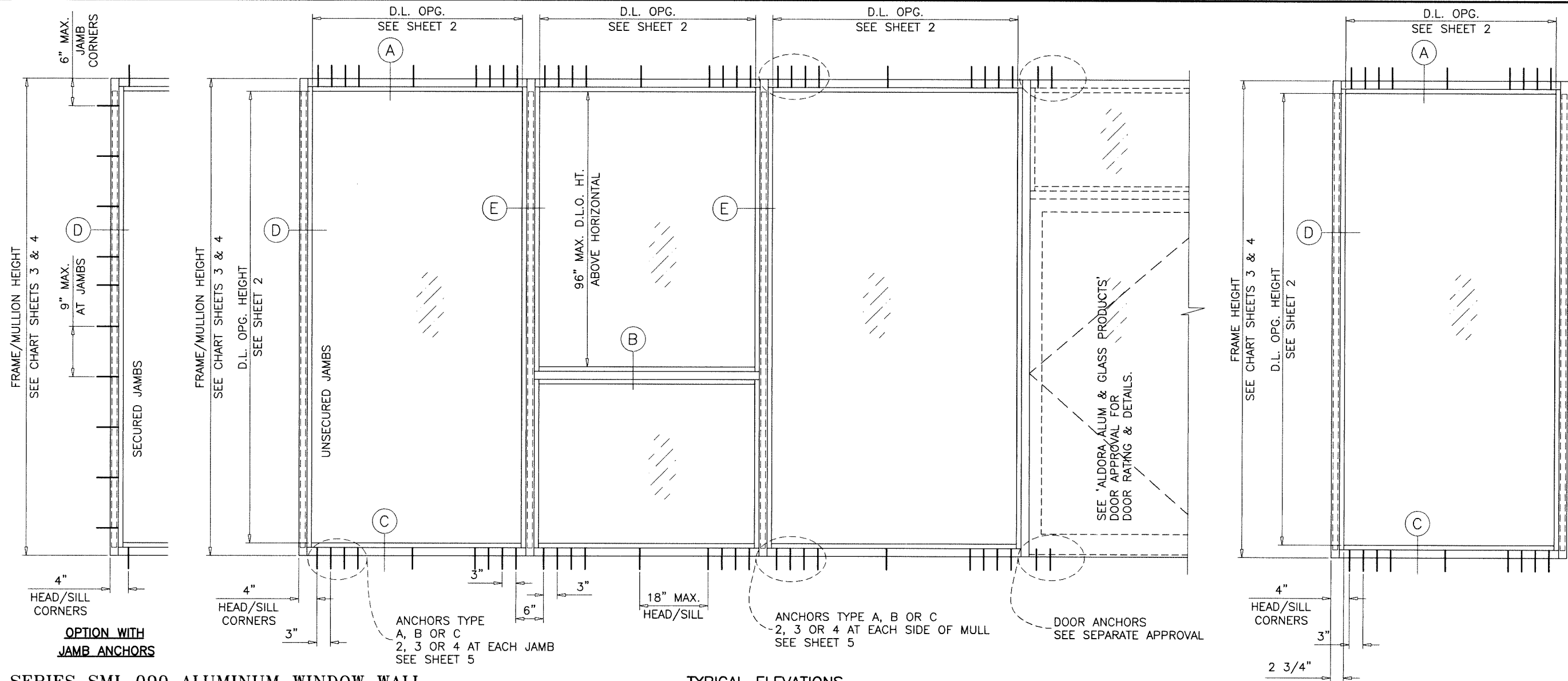




SERIES SMI-090 ALUMINUM WINDOW WALL

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH F.B.C. APPR'D 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 INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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

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

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

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

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

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

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

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

TYPICAL ELEVATIONS

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 SHEET 3 & 4. 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.

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.

THIS SYSTEM IS NOT RATED FOR IMPACT.

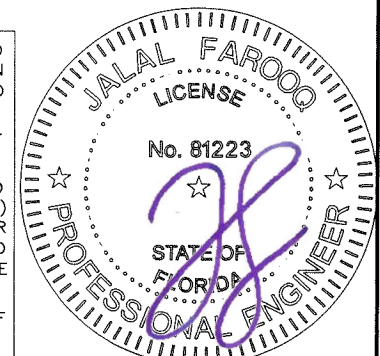
INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS.

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

Sealed: 9/1/2026

FL #25948

- A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL \ 18-17F-AGP

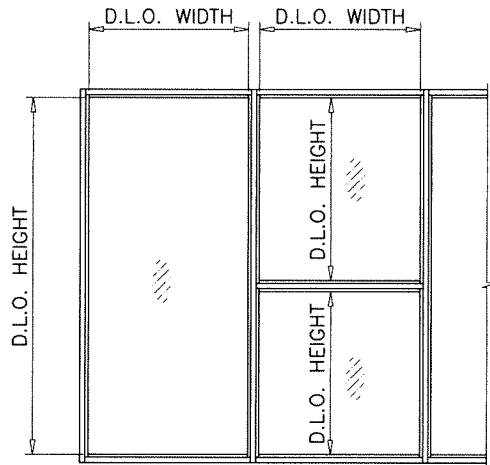
SERIES SMI-090 ALUM WINDOW WALL (N.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive, Suite 101
Coral Springs, FL. 33065
Tel. (954) 784-6900 Fax. (954) 784-6901

revisions:		no	date	by	description
		A	06.25.20		UPDATED TO 2020 FBC
		B	07.01.23		UPDATED TO 2023 FBC
		C	09.01.26		UPDATED TO 2026 FBC

date:	01-16-18
scale:	1/2"=1'-0"
dr. by:	TARIQ
chk. by:	

drawing no.	18-17F
sheet	1 of 10

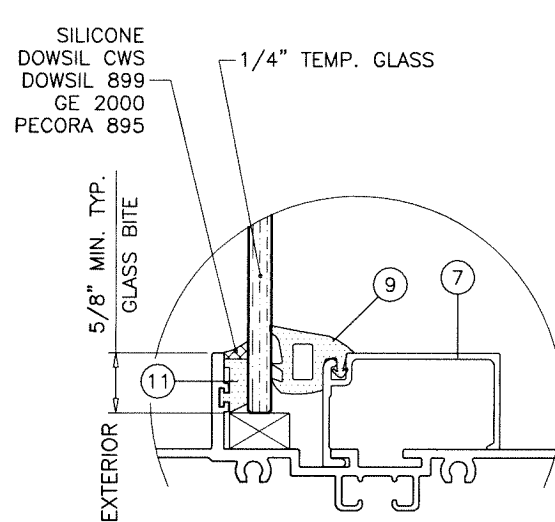
GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPES	
		'A'	'A1'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)
26-1/4"	84-1/2"	120.0	120.0
32-1/4"		120.0	120.0
38-1/4"		120.0	120.0
44-1/4"		120.0	120.0
50-1/4"		120.0	120.0
56-1/4"		120.0	120.0
26-1/4"	90-1/2"	120.0	120.0
32-1/4"		120.0	120.0
38-1/4"		120.0	120.0
44-1/4"		120.0	120.0
50-1/4"		120.0	120.0
26-1/4"	96-1/2"	120.0	120.0
32-1/4"		120.0	120.0
38-1/4"		120.0	120.0
44-1/4"		114.2	120.0
50-1/4"		111.1	120.0
26-1/4"	102-1/2"	120.0	120.0
32-1/4"		120.0	120.0
38-1/4"		120.0	120.0
44-1/4"		106.5	120.0
26-1/4"	108-1/2"	120.0	120.0
32-1/4"		120.0	120.0
38-1/4"		115.7	120.0
44-1/4"		100.4	120.0
26-1/4"	114-1/2"	120.0	120.0
32-1/4"		120.0	120.0
38-1/4"		112.6	120.0
44-1/4"		95.2	120.0
26-1/4"	120-1/2"	120.0	120.0
32-1/4"		120.0	120.0
38-1/4"		110.1	120.0
26-1/4"	126-1/2"	120.0	120.0
32-1/4"		120.0	120.0
38-1/4"		108.0	120.0
26-1/4"	132-1/2"	120.0	120.0
32-1/4"		120.0	120.0
26-1/4"	138-1/2"	120.0	120.0
32-1/4"		120.0	120.0



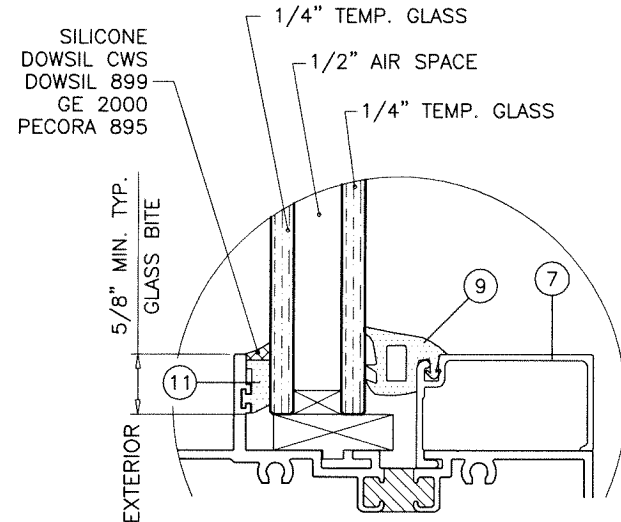
NOTE:
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

D.L.O. HEIGHT = FRAME HEIGHT - 5.5" (WINDOW WALL SYS. W/O HORIZONTALS)
D.L.O. WIDTH = FRAME WIDTH - 5.5" (SINGLE PANEL)
MULLION CL TO CL SPACING - 3.75" (MULTIPLE PANELS)

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

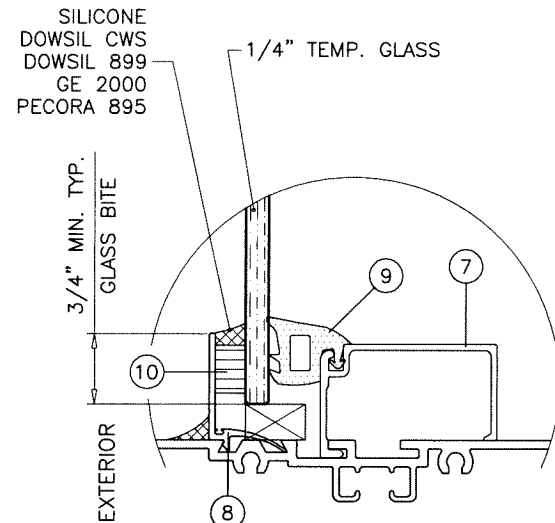


GLASS TYPE 'A'
MONOLITHIC GLASS

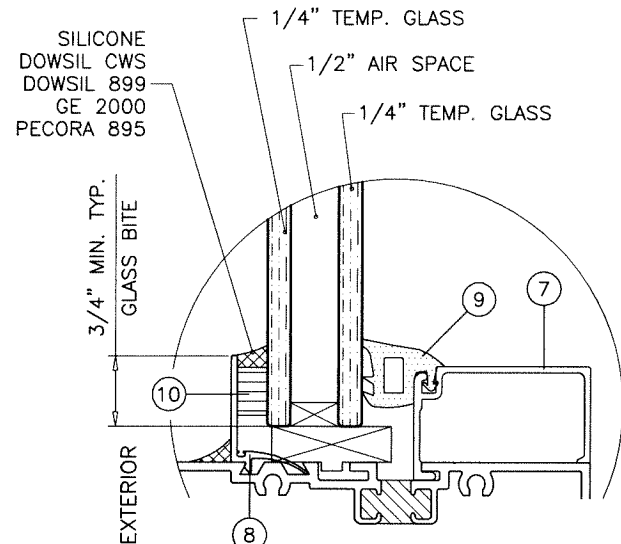


GLASS TYPE 'A1'
1" OVERALL INSUL. GLASS

GLAZING OPTIONS
INTERIOR GLAZED

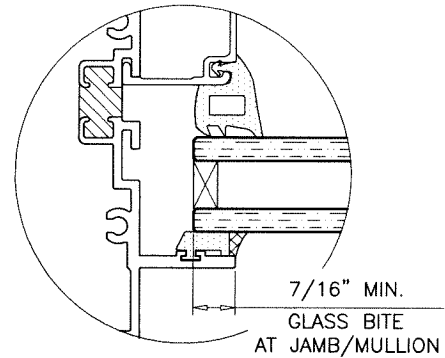
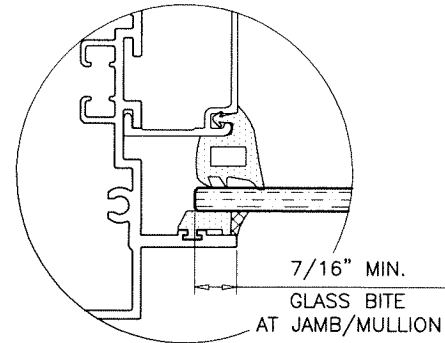


GLASS TYPE 'A'
MONOLITHIC GLASS

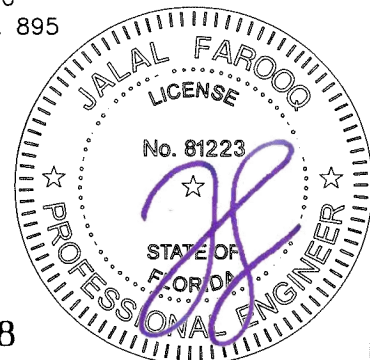


GLASS TYPE 'A1'
1" OVERALL INSUL. GLASS

GLAZING OPTIONS
EXTERIOR GLAZED



1/2" AIR SPACE CONSISTING OF:
SPACER:
ALUMINUM BOX SPACER AROUND
THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOWSIL CWS
DOWSIL 899
GE 2000
PECORA 895



Sealed: 9/1/2026

GLASS

FL #25948

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

SERIES SMI-090 ALUM WINDOW WALL (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: 01-16-18

scale: 1/2" = 1"

dr. by: TARIQ

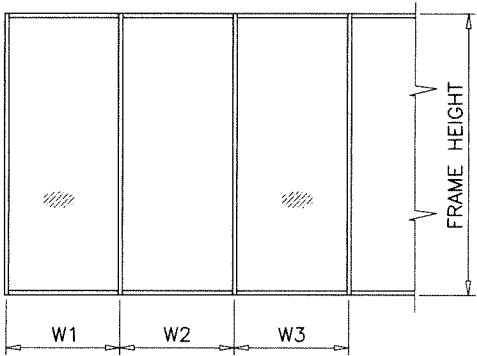
chk. by:

drawing no.

18-17F

sheet 2 of 10

DESIGN LOAD CAPACITY - PSF JAMB/MULLION WITHOUT INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		JAMB 'J1'	JAMB 'J2'	JAMB 'J3'
		MULLION 'M1'	MULLION 'M2'	MULLION 'M3'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30"	78"	120.0	120.0	120.0
36"		112.5	120.0	120.0
42"		99.1	120.0	120.0
48"		89.7	120.0	120.0
54"		83.0	120.0	120.0
60"		-	120.0	120.0
30"	84"	112.4	120.0	120.0
36"		95.5	120.0	120.0
42"		83.8	120.0	120.0
48"		75.4	120.0	120.0
54"		69.3	120.0	120.0
60"		-	120.0	120.0
30"	90"	92.8	120.0	120.0
36"		79.0	120.0	120.0
42"		69.4	120.0	120.0
48"		62.5	120.0	120.0
54"		-	120.0	120.0
60"		-	-	120.0
30"	96"	76.1	120.0	120.0
36"		64.5	120.0	120.0
42"		56.5	120.0	120.0
48"		50.7	120.0	120.0
54"		-	118.7	120.0
60"		-	-	120.0
30"	102"	63.1	120.0	120.0
36"		53.4	120.0	120.0
42"		46.7	120.0	120.0
48"		-	113.3	120.0
54"		-	-	117.0
60"		-	-	-
30"	108"	53.0	120.0	120.0
36"		44.8	120.0	120.0
42"		39.0	111.8	120.0
48"		-	99.4	114.0
60"		-	-	-
60"		-	-	-
30"	114"	44.9	120.0	120.0
36"		37.9	111.6	120.0
42"		-	97.1	114.5
48"		-	-	101.6
60"		-	-	-
60"		-	-	-
30"	120"	38.4	113.1	120.0
36"		32.4	95.3	118.7
42"		-	82.8	102.8
48"		-	-	91.1
60"		-	-	-
60"		-	-	-
30"	126"	33.1	97.5	120.0
36"		-	82.1	107.4
42"		-	-	92.9
60"		-	-	-
60"		-	-	-
60"		-	-	-
30"	132"	-	84.6	116.3
36"		-	71.2	97.6
42"		-	-	84.4
60"		-	-	-
60"		-	-	-
60"		-	-	-
30"	138"	-	73.9	106.2
36"		-	62.1	89.1
60"		-	-	-
60"		-	-	-
60"		-	-	-
60"		-	-	-
30"	144"	-	65.0	97.4
36"		-	54.6	81.7
60"		-	-	-
60"		-	-	-
60"		-	-	-
60"		-	-	-



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION

NOTE:
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

JAMB 'J1'

JAMB 'J2'

JAMB 'J3'

Ix IN ⁴	Sx IN ³
3.634	1.720

Ix IN ⁴	Sx IN ³
9.241	4.375

	Ix IN ⁴	Sx IN ³
ALUMINUM	3.634	1.720
STEEL	4.146	1.951
TOTAL	15.657	
Ix ALUM + Ix STL X 2.9		

MULLION 'M1'

MULLION 'M2'

MULLION 'M3'

Ix IN ⁴	Sx IN ³
3.8536	1.6146

Ix IN ⁴	Sx IN ³
9.4606	3.9639

	Ix IN ⁴	Sx IN ³
ALUMINUM	3.8536	1.6146
STEEL	3.836	1.8052
TOTAL	14.8679	
Ix ALUM + Ix STL X 2.9		

MULLIONS

Sealed: 9/1/2026

FL #25948



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COMP-ANL \ 18-17F-AGP

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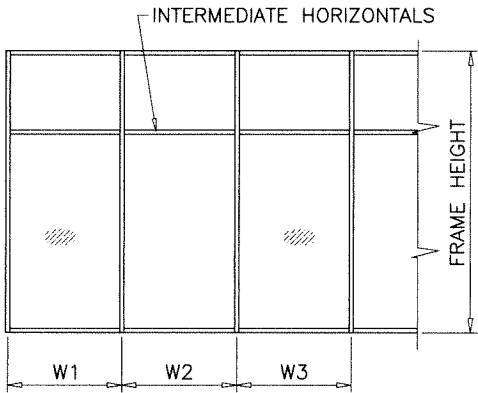
revisions:
no date by description

date: 01-16-18
scale: -
dr. by: TARIQ
chk. by:

drawing no.
18-17F
sheet 3 of 10

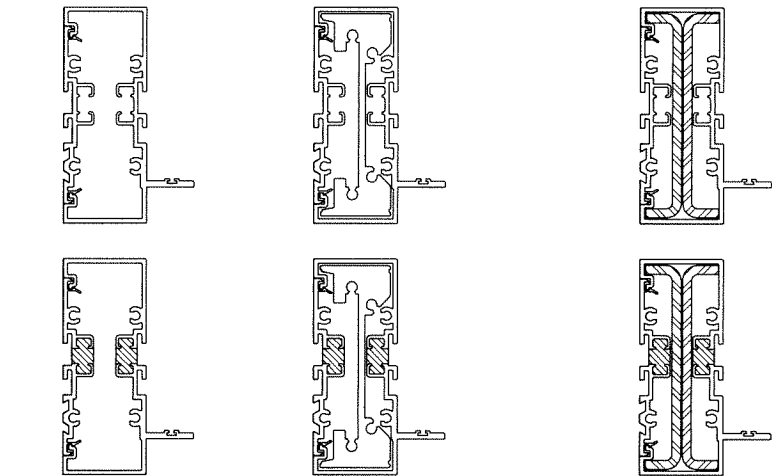
DESIGN LOAD CAPACITY - PSF JAMB/MULLION WITH INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		JAMB 'J1'	JAMB 'J2'	JAMB 'J3'
		MULLION 'M1'	MULLION 'M2'	MULLION 'M3'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30"	78"	120.0	120.0	120.0
36"		104.7	120.0	120.0
42"		89.8	120.0	120.0
48"		78.5	120.0	120.0
54"		69.8	120.0	120.0
60"		-	120.0	120.0
30"	84"	107.7	120.0	120.0
36"		89.8	120.0	120.0
42"		76.9	120.0	120.0
48"		67.3	120.0	120.0
54"		59.8	120.0	120.0
60"		-	120.0	120.0
30"	90"	89.0	120.0	120.0
36"		74.2	120.0	120.0
42"		63.6	120.0	120.0
48"		55.6	120.0	120.0
54"		-	120.0	120.0
60"		-	-	120.0
30"	96"	73.3	120.0	120.0
36"		61.1	120.0	120.0
42"		52.4	120.0	120.0
48"		45.8	119.7	120.0
54"		-	106.4	120.0
60"		-	-	108.0
30"	102"	61.1	120.0	120.0
36"		50.9	120.0	120.0
42"		43.7	120.0	120.0
48"		-	105.2	119.6
54"		-	-	106.3
60"		-	-	-
30"	108"	51.5	120.0	120.0
36"		42.9	120.0	120.0
42"		36.8	106.3	120.0
48"		-	93.0	106.7
54"		-	-	-
60"		-	-	-
30"	114"	43.8	120.0	120.0
36"		36.5	107.5	120.0
42"		-	92.1	109.4
48"		-	-	95.7
54"		-	-	-
60"		-	-	-
30"	120"	37.5	110.6	120.0
36"		31.3	92.1	115.2
42"		-	79.0	98.7
48"		-	-	86.4
54"		-	-	-
60"		-	-	-
30"	126"	32.4	95.5	120.0
36"		-	79.6	104.5
42"		-	-	89.6
48"		-	-	-
54"		-	-	-
60"		-	-	-
30"	132"	-	83.1	114.3
36"		-	69.2	95.2
42"		-	-	81.6
48"		-	-	-
54"		-	-	-
60"		-	-	-
30"	138"	-	72.7	104.5
36"		-	60.6	87.1
42"		-	-	-
48"		-	-	-
54"		-	-	-
60"		-	-	-
30"	144"	-	64.0	96.0
36"		-	53.3	80.0
42"		-	-	-
48"		-	-	-
54"		-	-	-
60"		-	-	-

NOTE:
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



JAMB 'J1'

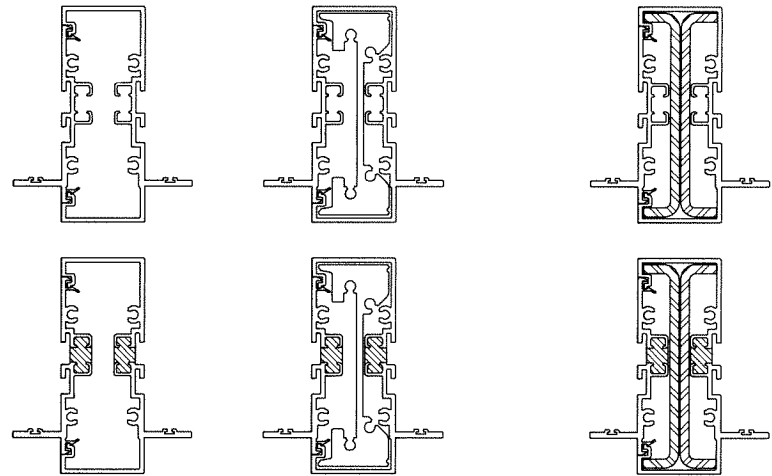
Ix IN ⁴	Sx IN ³
3.634	1.720

JAMB 'J2'

Ix IN ⁴	Sx IN ³
9.241	4.375

JAMB 'J3'

	Ix IN ⁴	Sx IN ³
ALUMINUM	3.634	1.720
STEEL	4.146	1.951
TOTAL	7.780	3.671
Ix ALUM + Ix STL X 2.9	15.657	



MULLION 'M1'

Ix IN ⁴	Sx IN ³
3.8536	1.6146

MULLION 'M2'

Ix IN ⁴	Sx IN ³
9.4606	3.9639

MULLION 'M3'

	Ix IN ⁴	Sx IN ³
ALUMINUM	3.8536	1.6146
STEEL	3.836	1.8052
TOTAL	7.6896	3.4198
Ix ALUM + Ix STL X 2.9	14.8679	

MULLIONS

Sealed: 9/1/2026

FL #25948



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revisions:

no	date	by	description

date: 01-16-18
scale: -
dr. by: TARIQ
chk. by:

drawing no.
18-17F
sheet 4 of 10

COMP-ANL 18-17F-AGP

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)								
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'		ANCHORS TYPE 'C'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3	C2	C3
30"	60"	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		107.4	120.0	120.0	120.0	120.0	120.0	120.0
48"		94.0	120.0	120.0	120.0	120.0	120.0	120.0
54"		83.6	120.0	120.0	120.0	120.0	120.0	120.0
60"		75.2	112.8	120.0	115.2	120.0	120.0	120.0
30"	66"	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		113.9	120.0	120.0	120.0	120.0	120.0	120.0
42"		97.7	120.0	120.0	120.0	120.0	120.0	120.0
48"		85.5	120.0	120.0	120.0	120.0	120.0	120.0
54"		76.0	113.9	120.0	116.4	120.0	120.0	120.0
60"		68.4	102.5	120.0	104.7	120.0	120.0	120.0
30"	72"	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		104.4	120.0	120.0	120.0	120.0	120.0	120.0
42"		89.5	120.0	120.0	120.0	120.0	120.0	120.0
48"		78.3	117.5	120.0	120.0	120.0	120.0	120.0
54"		69.6	104.4	120.0	106.7	120.0	120.0	120.0
60"		62.7	94.0	120.0	96.0	120.0	120.0	120.0
30"	78"	115.7	120.0	120.0	120.0	120.0	120.0	120.0
36"		96.4	120.0	120.0	120.0	120.0	120.0	120.0
42"		82.6	120.0	120.0	120.0	120.0	120.0	120.0
48"		72.3	108.5	120.0	110.8	120.0	120.0	120.0
54"		64.3	96.4	120.0	98.5	120.0	120.0	120.0
60"		57.8	86.8	115.7	88.6	120.0	117.9	120.0
30"	84"	107.4	120.0	120.0	120.0	120.0	120.0	120.0
36"		89.5	120.0	120.0	120.0	120.0	120.0	120.0
42"		76.7	115.1	120.0	117.6	120.0	120.0	120.0
48"		67.1	100.7	120.0	102.9	120.0	120.0	120.0
54"		59.7	89.5	119.4	91.4	120.0	120.0	120.0
60"		53.7	80.6	107.4	82.3	120.0	109.5	120.0
30"	90"	100.3	120.0	120.0	120.0	120.0	120.0	120.0
36"		83.6	120.0	120.0	120.0	120.0	120.0	120.0
42"		71.6	107.4	120.0	109.7	120.0	120.0	120.0
48"		62.7	94.0	120.0	96.0	120.0	120.0	120.0
54"		55.7	83.6	111.4	85.3	120.0	113.5	120.0
60"		50.1	75.2	100.3	76.8	115.2	102.2	120.0
30"	96"	94.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		78.3	117.5	120.0	120.0	120.0	120.0	120.0
42"		67.1	100.7	120.0	102.9	120.0	120.0	120.0
48"		58.8	88.1	117.5	90.0	120.0	119.8	120.0
54"		52.2	78.3	104.4	80.0	120.0	106.4	120.0
60"		47.0	70.5	94.0	72.0	108.0	95.8	120.0
30"	102"	88.5	120.0	120.0	120.0	120.0	120.0	120.0
36"		73.7	110.6	120.0	112.9	120.0	120.0	120.0
42"		63.2	94.8	120.0	96.8	120.0	120.0	120.0
48"		55.3	82.9	110.6	84.7	120.0	112.7	120.0
54"		49.2	73.7	98.3	75.3	112.9	100.2	120.0
30"	108"	83.6	120.0	120.0	120.0	120.0	120.0	120.0
36"		69.6	104.4	120.0	106.7	120.0	120.0	120.0
42"		59.7	89.5	119.4	91.4	120.0	120.0	120.0
48"		52.2	78.3	104.4	80.0	120.0	106.4	120.0
60"		47.0	70.5	94.0	72.0	108.0	95.8	120.0
30"	114"	79.2	118.7	120.0	120.0	120.0	120.0	120.0
36"		66.0	98.9	120.0	101.1	120.0	120.0	120.0
42"		56.5	84.8	113.1	86.6	120.0	115.2	120.0
48"		49.5	74.2	98.9	75.8	113.7	100.8	120.0
60"		47.0	70.5	94.0	72.0	108.0	95.8	120.0
30"	120"	75.2	112.8	120.0	115.2	120.0	120.0	120.0
36"		62.7	94.0	120.0	96.0	120.0	120.0	120.0
42"		53.7	80.6	107.4	82.3	120.0	109.5	120.0
48"		47.0	70.5	94.0	72.0	108.0	95.8	120.0

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)								
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'		ANCHORS TYPE 'C'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3	C2	C3
30"	126"	71.6	107.4	120.0	109.7	120.0	120.0	120.0
36"		59.7	89.5	119.4	91.4	120.0	120.0	120.0
42"		51.2	76.7	102.3	78.4	117.6	104.3	120.0
30"	132"	68.4	102.5	120.0	104.7	120.0	120.0	120.0
36"		57.0	85.5	113.9	87.3	120.0	116.1	120.0
42"		48.8	73.2	97.7	74.8	112.2	99.5	120.0
30"	138"	65.4	98.1	120.0	100.2	120.0	120.0	120.0
36"		54.5	81.7	109.0	83.5	120.0	111.1	120.0
42"		46.2	69.4	97.7	71.2	109.5	97.5	120.0
30"	144"	62.7	94.0	120.0	96.0	120.0	120.0	120.0
36"		52.2	78.3	104.4	80.0	120.0	106.4	120.0

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=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 AND BLOCKS = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

TYPE 'B'

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE 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 AND BLOCKS = 2-1/2" MIN.

TYPE 'C'

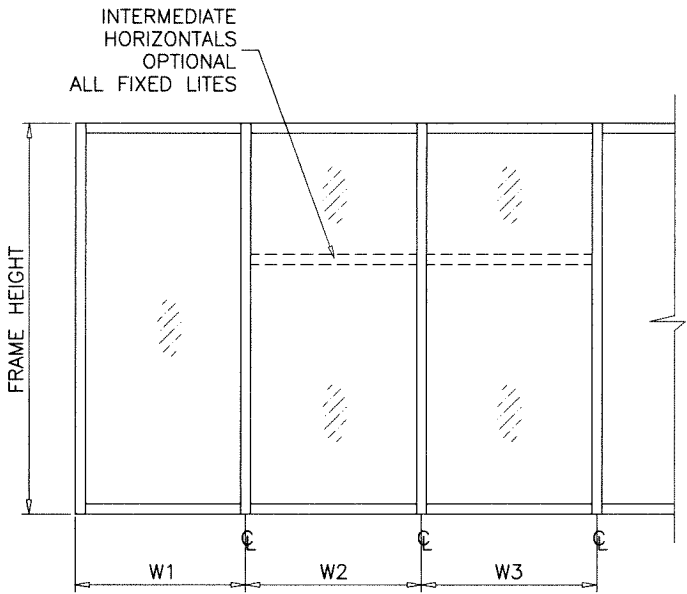
#14 SMS OR SELF DRILLING SCREWS (Fu=74 KSI, Fy=57 KSI)
ST. STEEL (304, 305, 316) OR GRADE 2 CRS
INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 3/4" MIN.

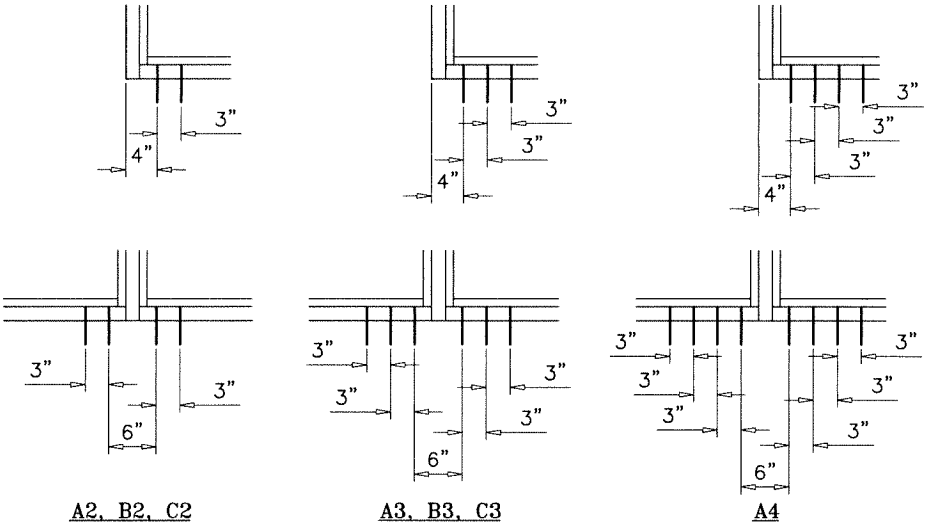
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

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



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



ANCHORS TYPES:

A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C3 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION

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ANCHORS

FL #25948



afC

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 SMI-090 ALUM WINDOW WALL (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	

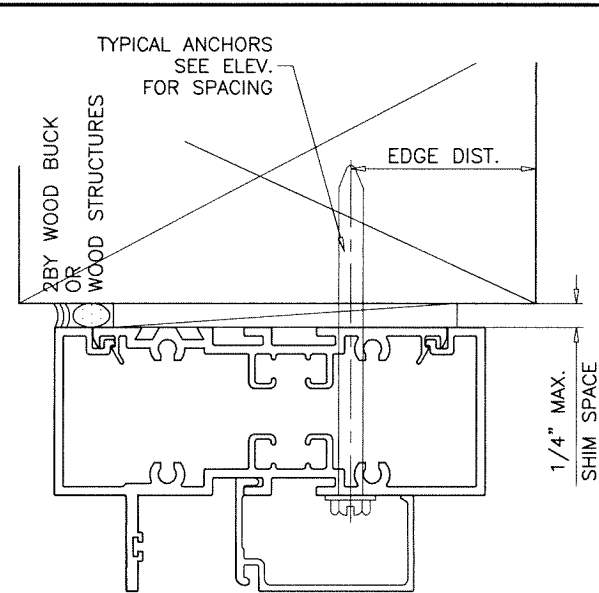
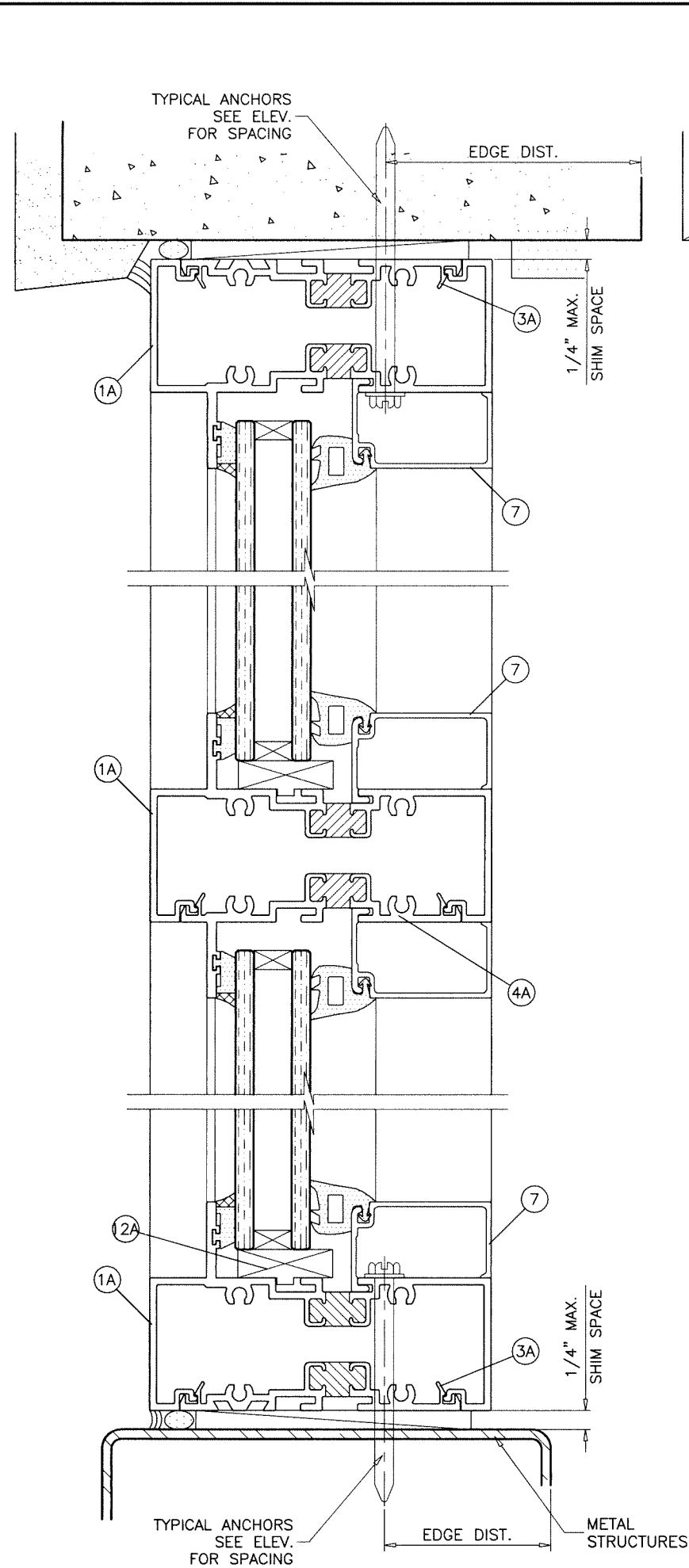
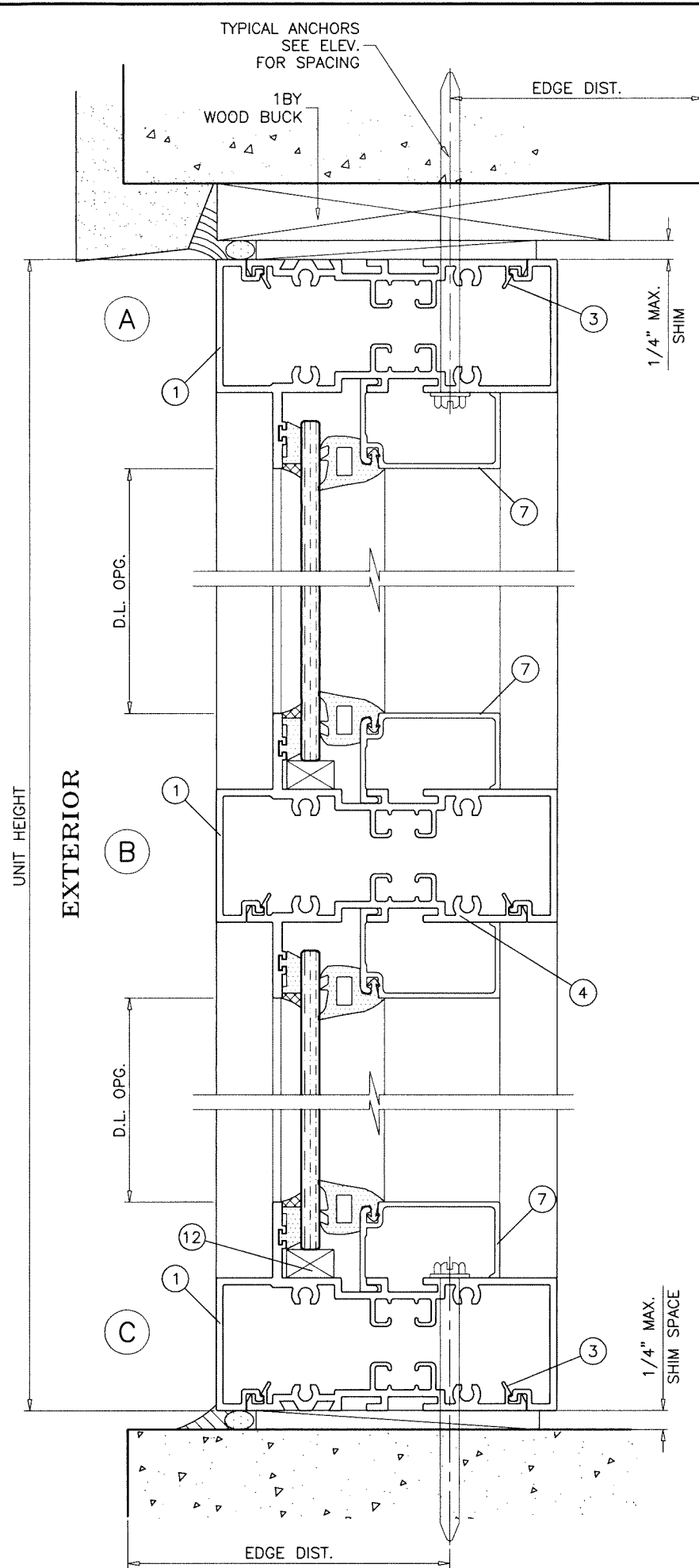
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chk. by:

drawing no.

18-17F

sheet 5 of 10

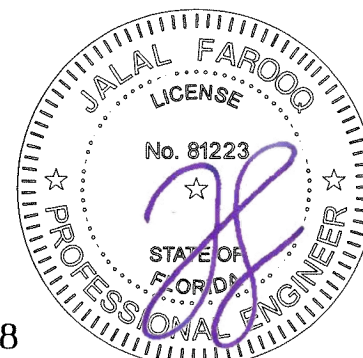
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INTERIOR GLAZED

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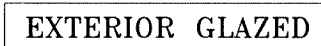
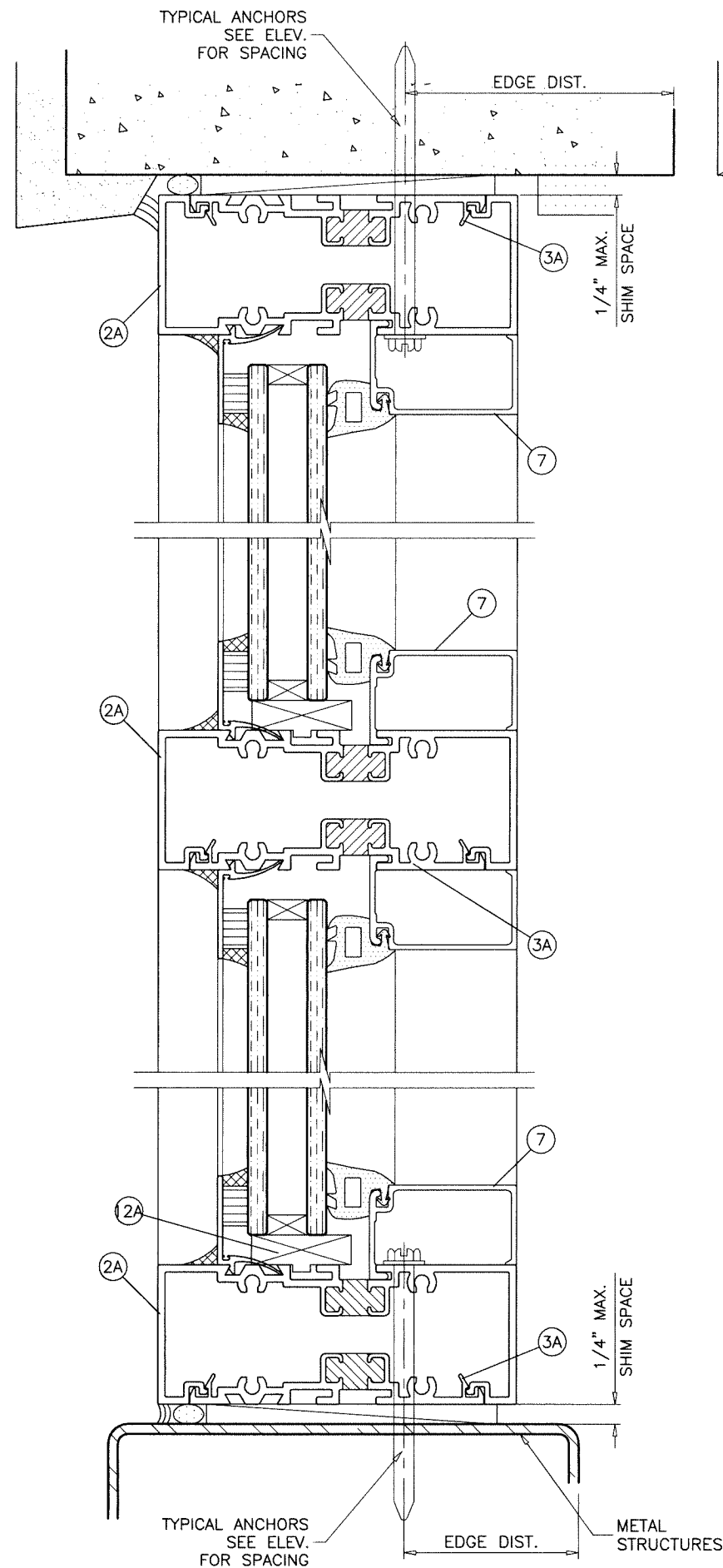
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Coral Springs, FL. 33065
Tel. (954) 784-6900 Fax. (954) 784-6901

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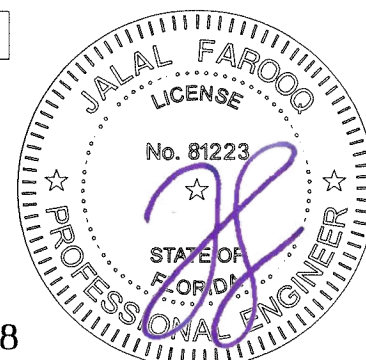
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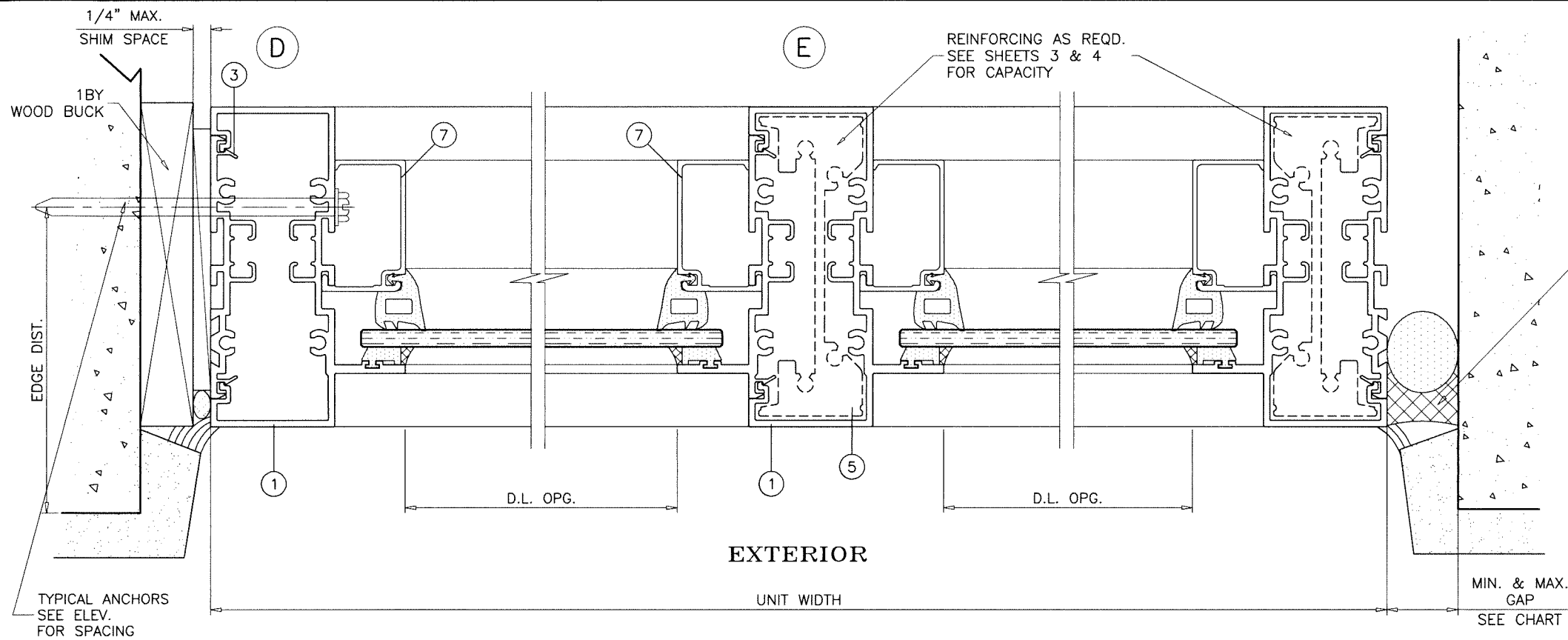
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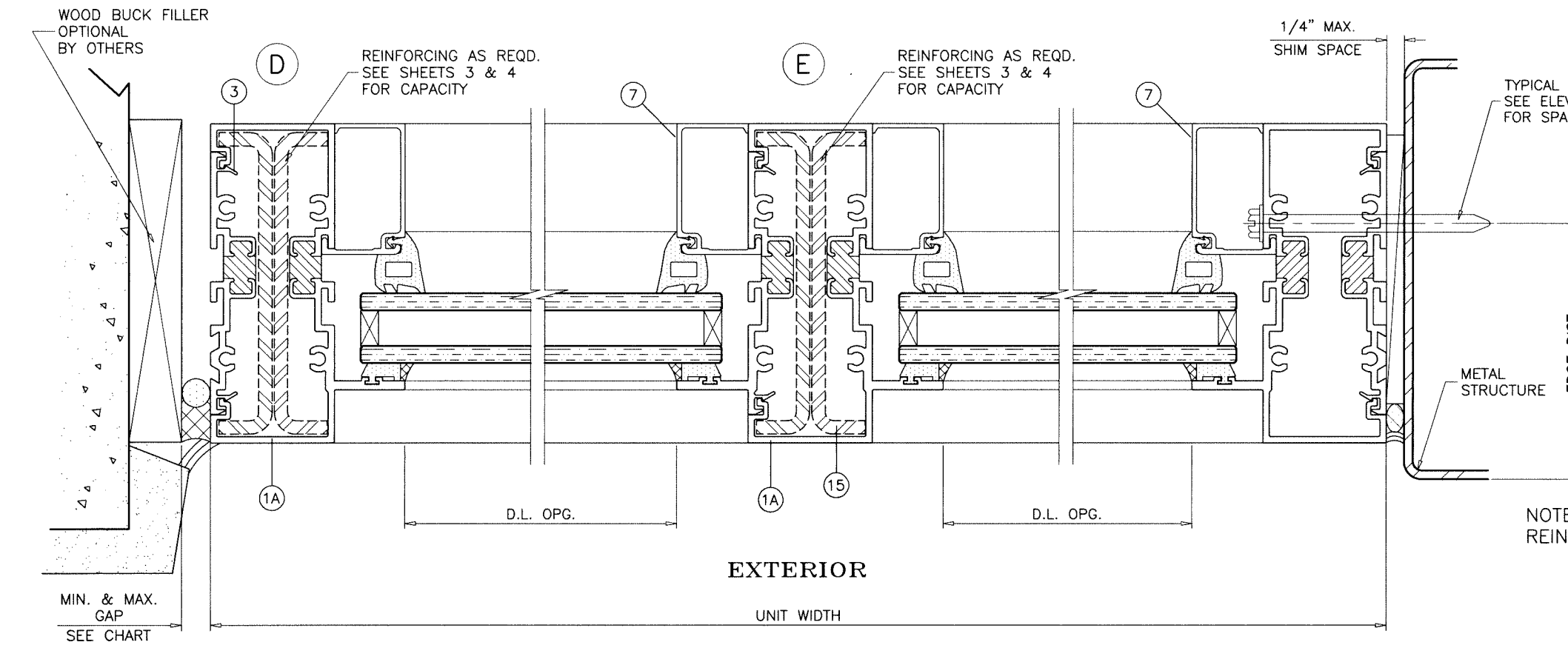
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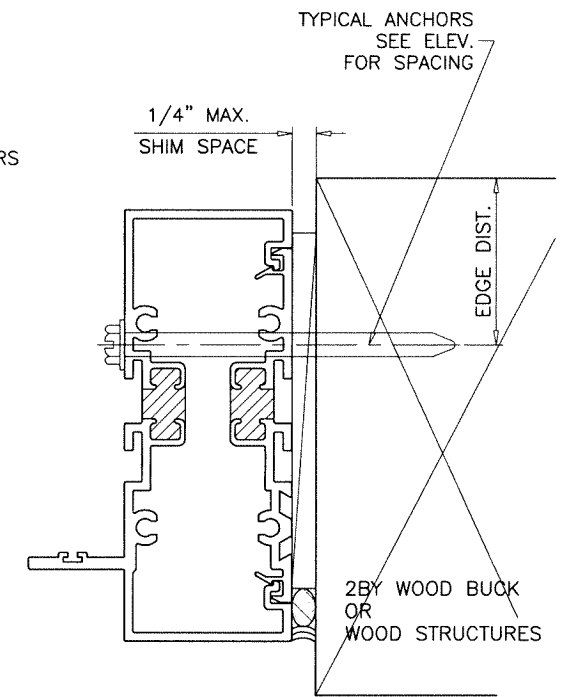
sheet 7 of 10



MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
72"	3/8"	1"
96"	1/2"	1"
120"	5/8"	1"
144"	3/4"	1"



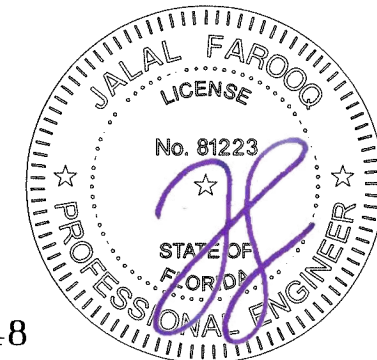
NOTE:
REINFORCINGS NOT REQUIRED AT SECURED JAMBS



INTERIOR OR EXTERIOR GLAZED

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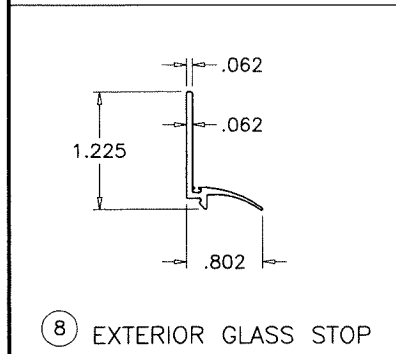
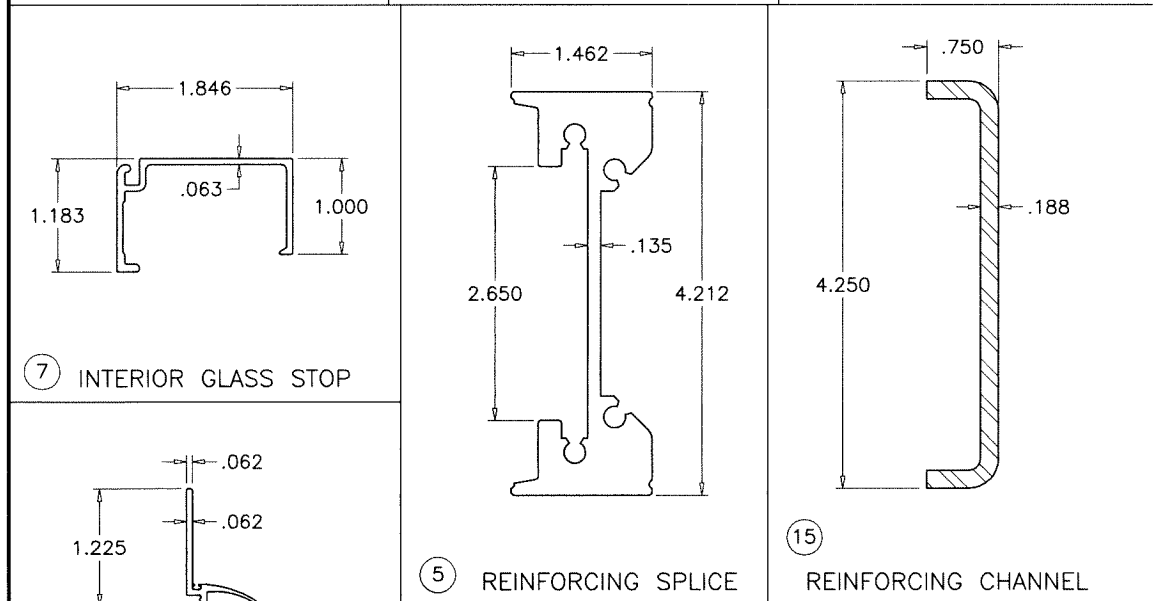
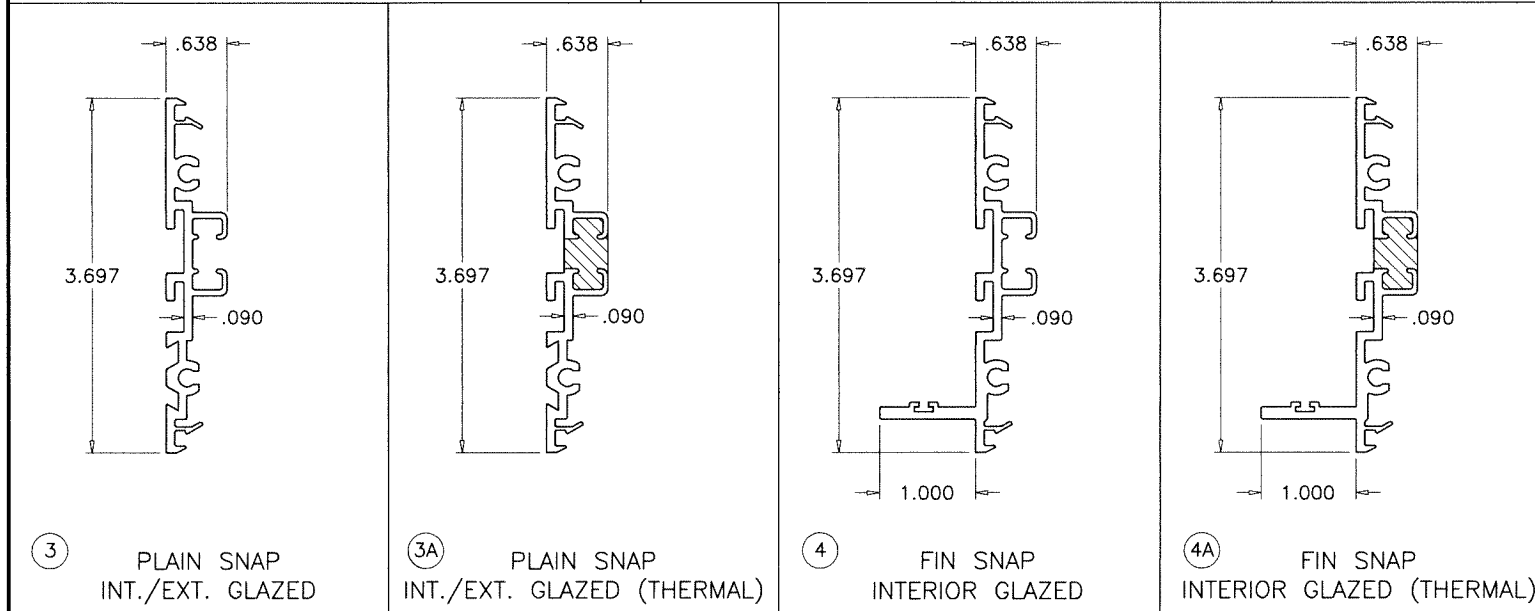
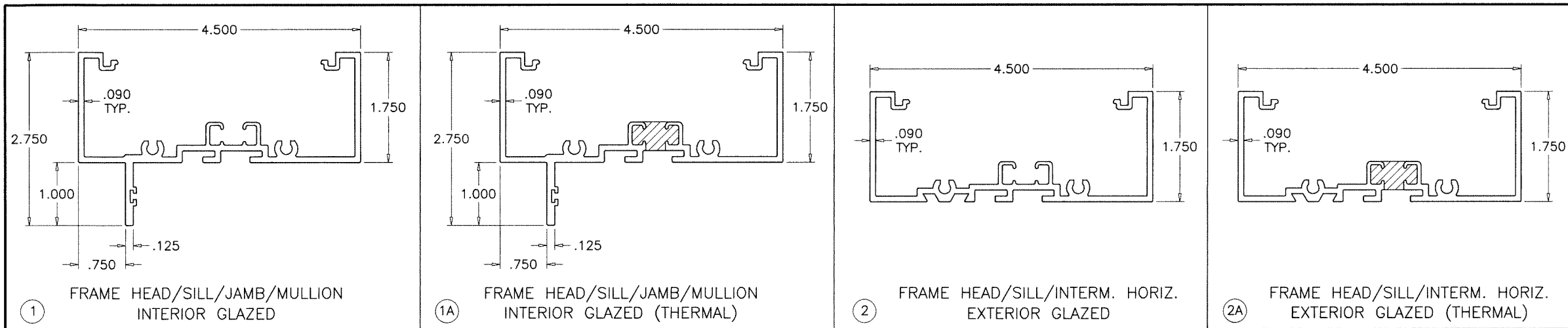
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FL #25948



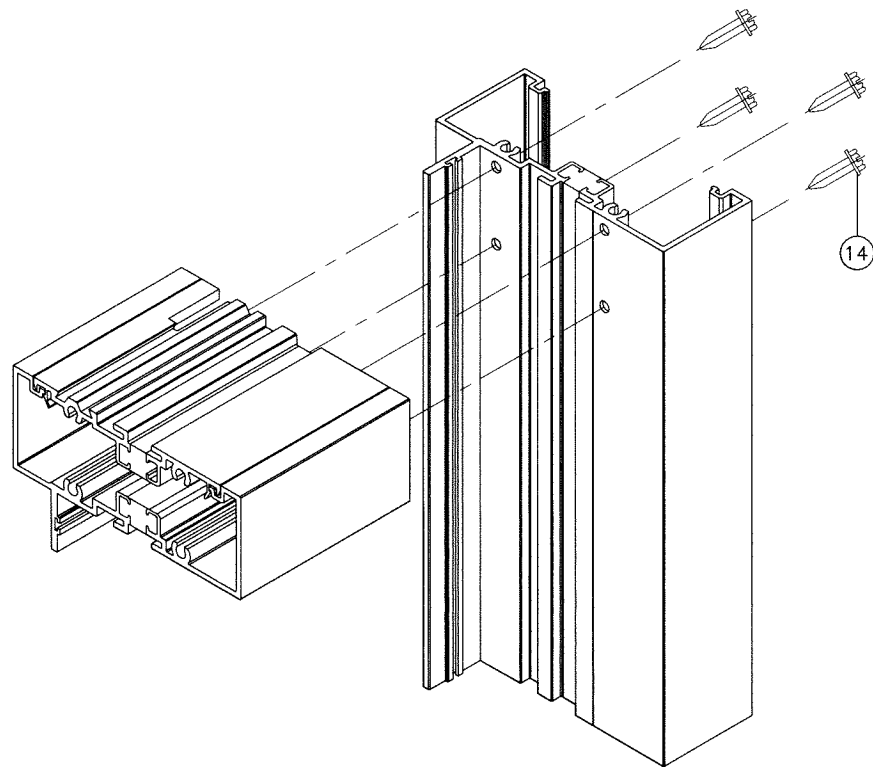
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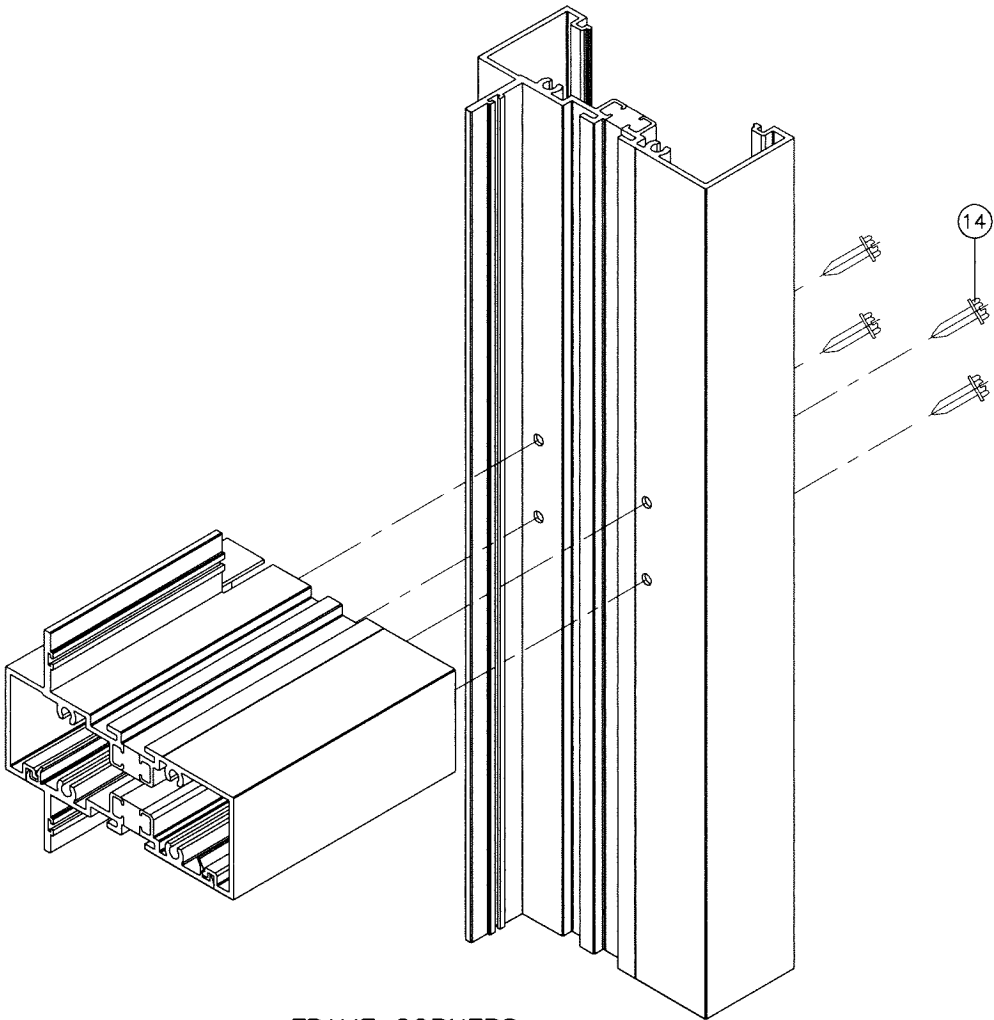
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drawing no.
18-17F
sheet 9 of 10



ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SMI-091	AS REQD.	INT. GLAZED FRAME HEAD/SILL/JAMB/MULLION	6063-T6	SMI SYSTEMS
1A	SMI-091T	AS REQD.	INT. GLAZED FRAME HEAD/SILL/JAMB/MULLION (POUR & DEBRIDGE)	6063-T6	SMI SYSTEMS
2	SMI-098	AS REQD.	EXT. GLAZED FRAME HEAD/SILL/INTERM. HORIZ.	6063-T6	SMI SYSTEMS
2A	SMI-098T	AS REQD.	EXT. GLAZED FRAME HEAD/SILL/INTERM. HORIZ. (POUR & DEBRIDGE)	6063-T6	SMI SYSTEMS
3	SMI-094	AS REQD.	INT./EXT. GLAZED PLAIN SNAP	6063-T6	SMI SYSTEMS
3A	SMI-094T	AS REQD.	INT./EXT. GLAZED PLAIN SNAP (POUR & DEBRIDGE)	6063-T6	SMI SYSTEMS
4	SMI-093	AS REQD.	INT./EXT. GLAZED FIN SNAP	6063-T6	SMI SYSTEMS
4A	SMI-093T	AS REQD.	INT./EXT. GLAZED FIN SNAP (POUR & DEBRIDGE)	6063-T6	SMI SYSTEMS
5	SMI-095	AS REQD.	REINFORCING SPLICE	6005-T5	SMI SYSTEMS
7	SMI-092	AS REQD.	INTERIOR GLASS STOP	6063-T6	SMI SYSTEMS
8	SMI-097	AS REQD.	EXTERIOR GLASS STOP	6063-T6	SMI SYSTEMS
9	SMI-G08	AS REQD.	INTERIOR GASKET (DUROMETER 70±5)	EPDM	CENTRAL PLASTICS INC.
10	SMI-G02	AS REQD.	SINGLE FACE TAPE (3/8" X 1/2")	VINYL FOAM	FRANK LOWE
11	SMI-G07	AS REQD.	EXTERIOR GASKET (DUROMETER 70±5)	EPDM	CENTRAL PLASTICS INC.
12	SMI-SB06	2/ LITE	SETTING BLOCK MONOLITHIC GLASS (3/8" X 5/8" X 4" LG.) (DUROMETER 85±5)	EPDM	CENTRAL PLASTICS INC.
12A	SMI-SB04	2/ LITE	SETTING BLOCK INSUL. GLASS (3/8" X 1-1/4" X 4" LG.) (DUROMETER 85±5)	EPDM	CENTRAL PLASTICS INC.
13	SMI-P04	AS REQD.	THERMAL BRAKE SPACER FOR ALUM SPLICE	RIGID PVC	CENTRAL PLASTICS INC.
14	#12 X 1-1/2"	4/ CORNER	FRAME ASSEMBLY SCREWS	ST. STEEL	HEX. HEAD MACHINE SCREWS
15	-	AS REQD.	REINFORCING CHANNEL (36 KSI MIN.)	STEEL	-



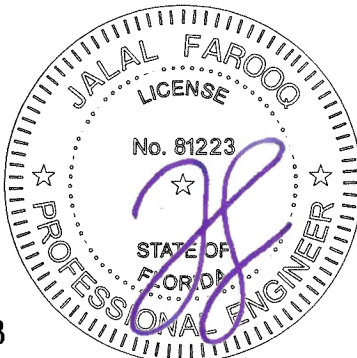
FRAME CORNERS

SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME TO BE SEALED WITH DOW CORNING CWS, GE 2000 OR PECORA 895 SILICONE SEALANT.

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