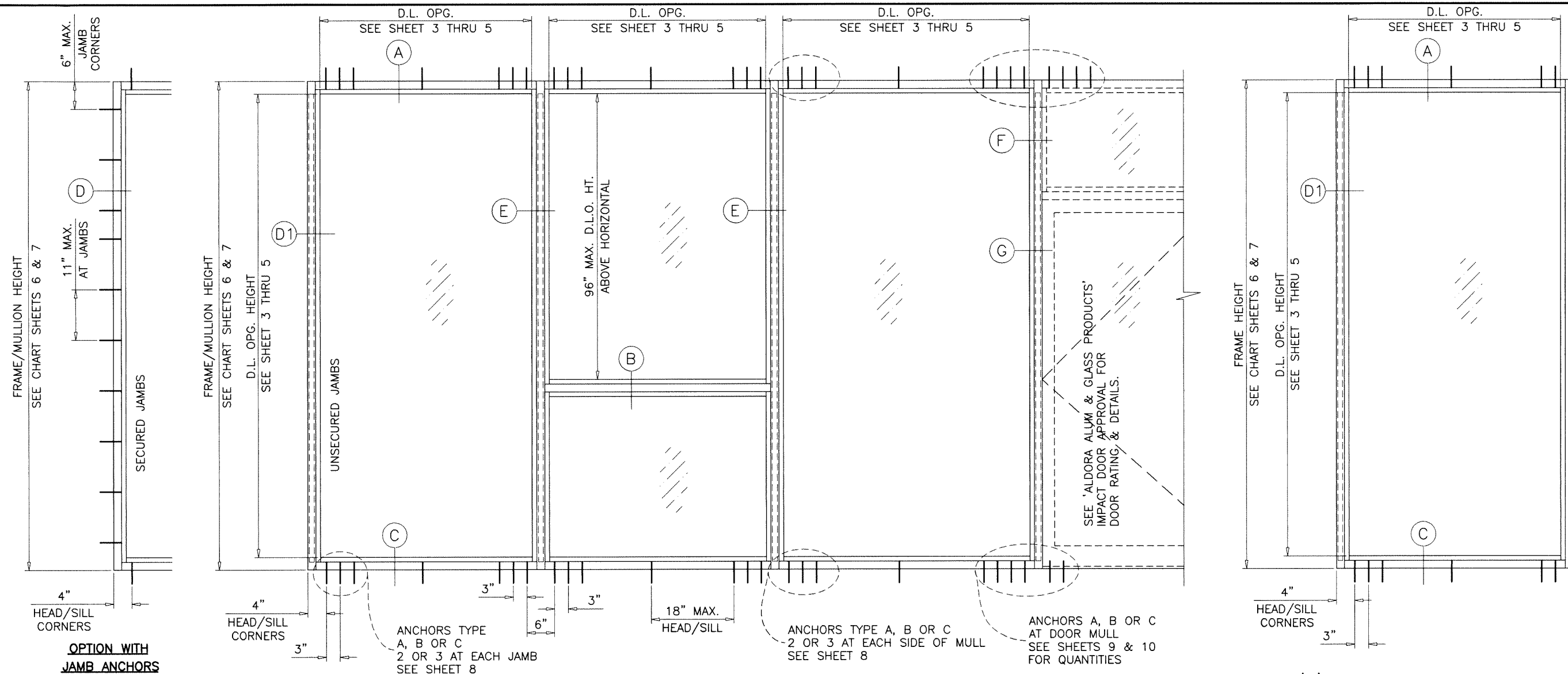
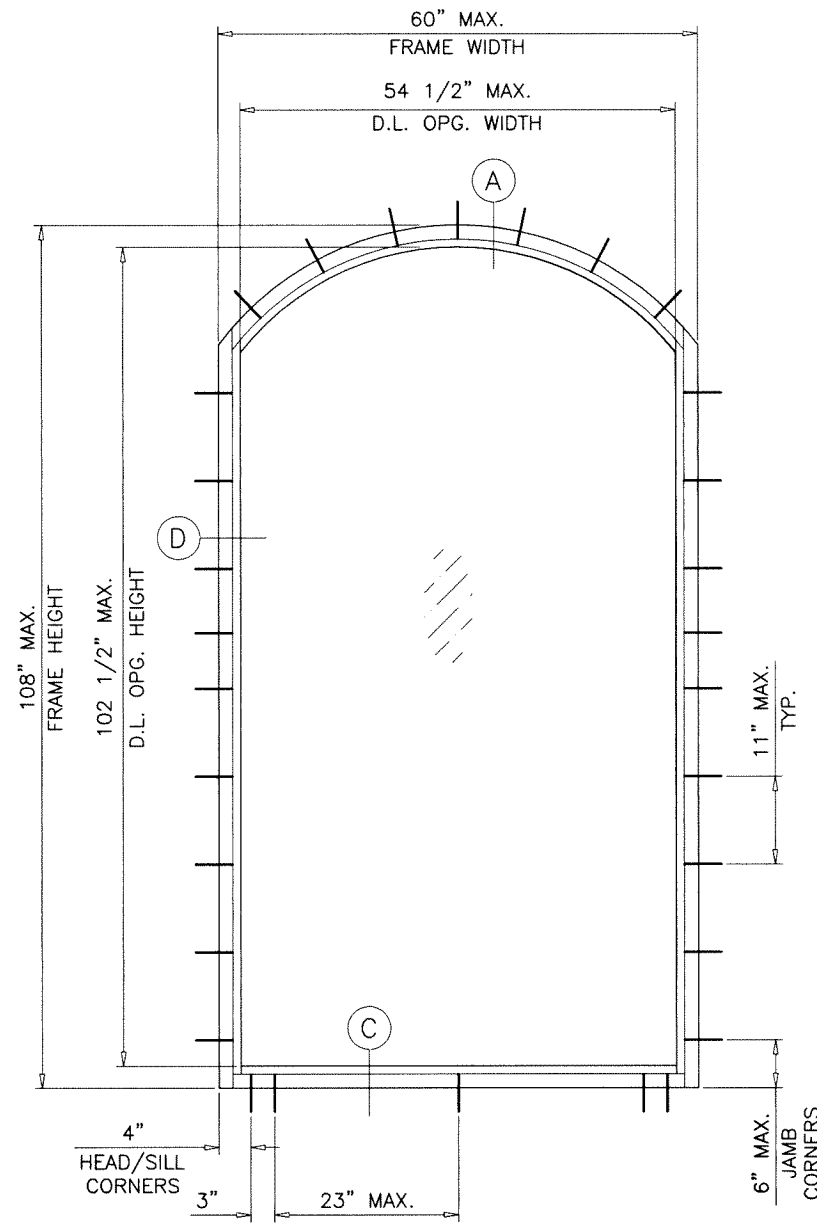
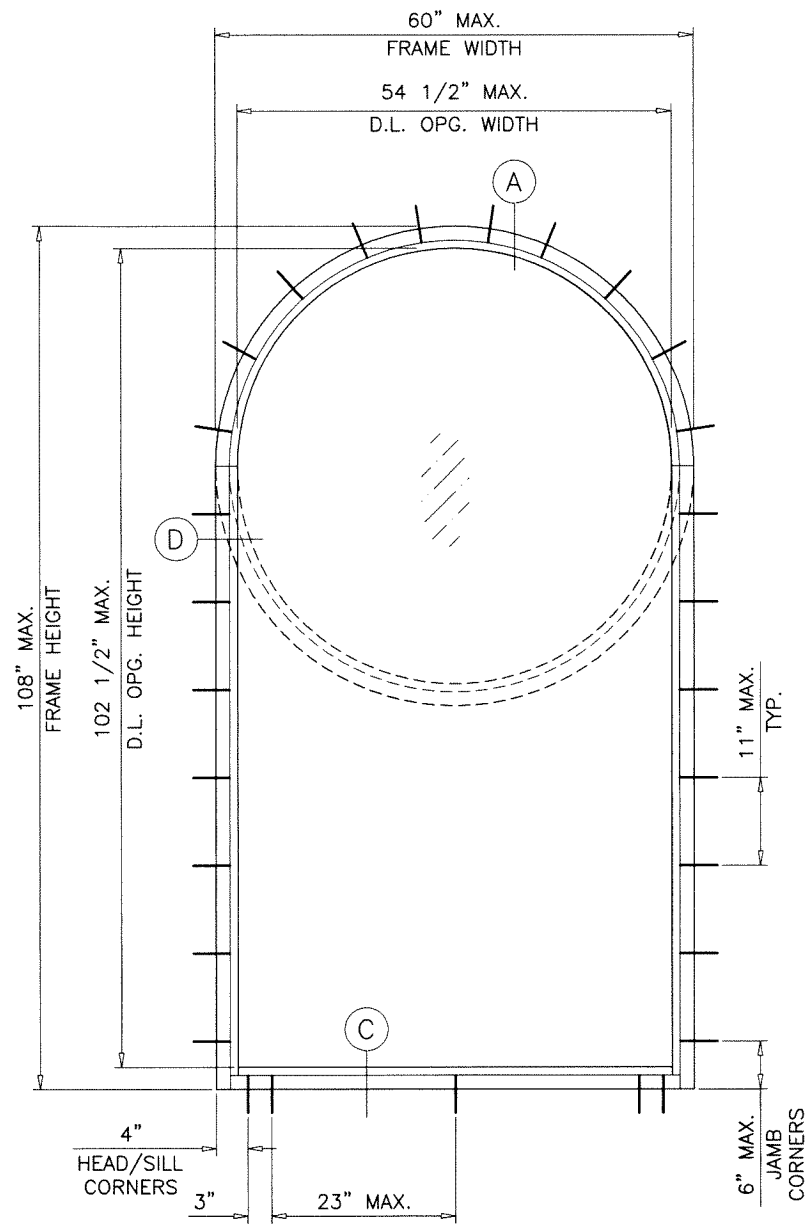
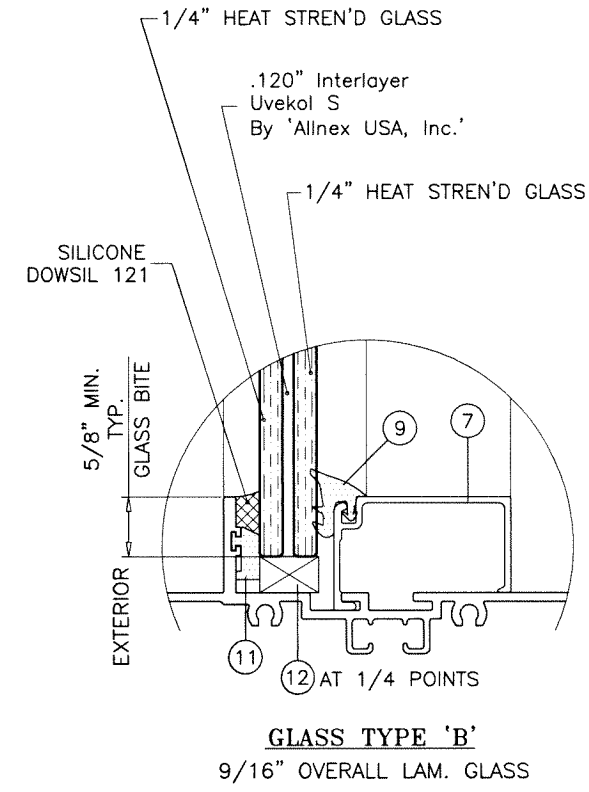


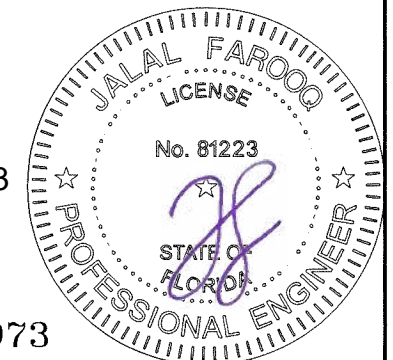




GLASS TYPE 'B'
 MAXIMUM DESIGN LOAD RATING = + 80.0 PSF
 (FOR SHAPES AND SIZE SHOWN ON THIS SHEET ONLY) - 100.0 PSF



Sealed: 7/11/2023



FL #19973

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

COMP-ANL 23-30-AAG

SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)

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

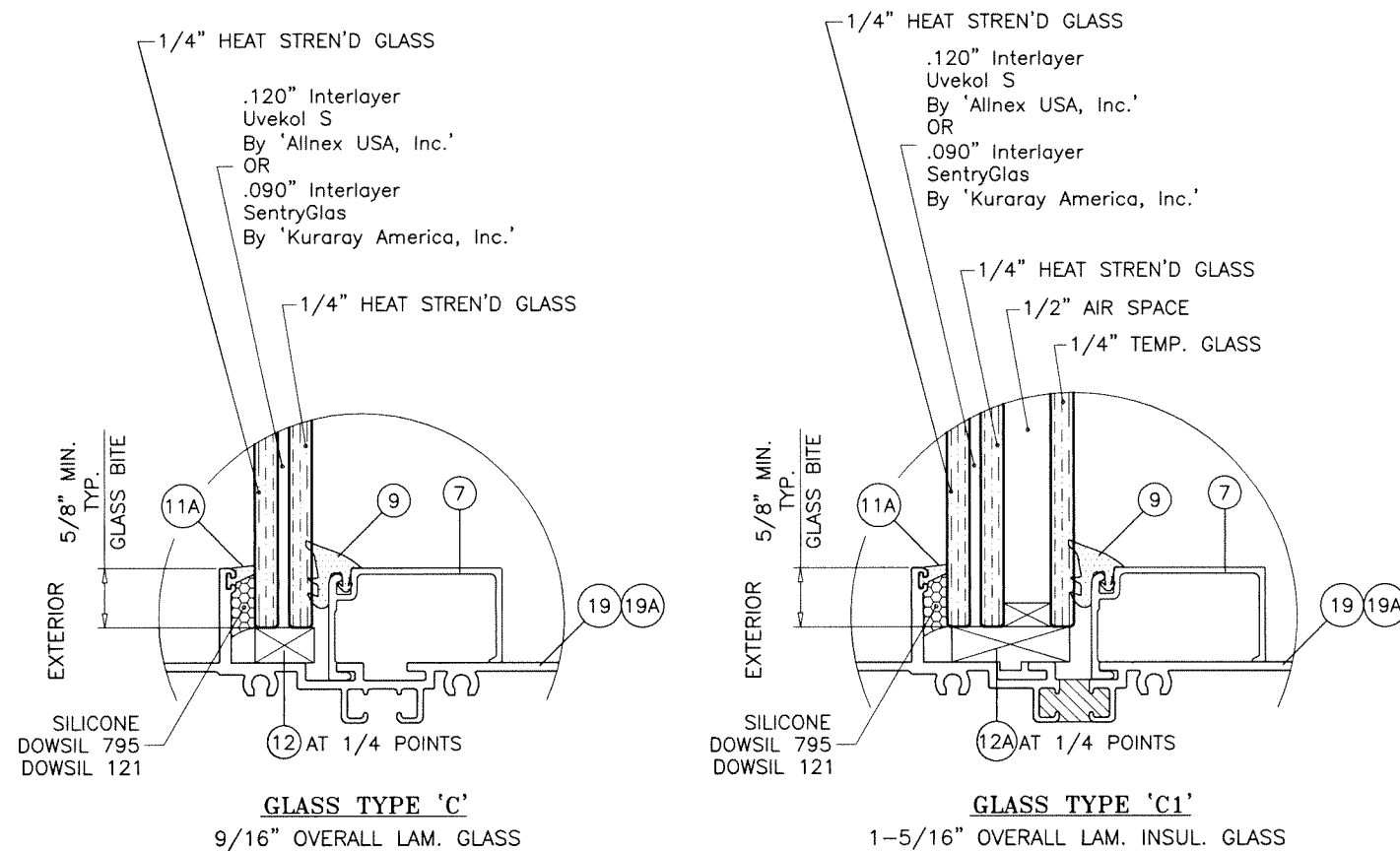
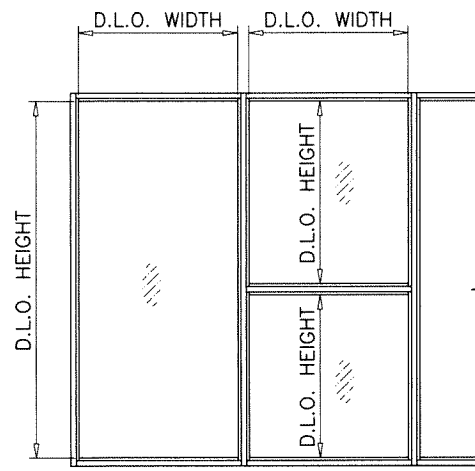
23-30F

Revisions:	
no	date by description

date: 07-03-23	scale: 1/2"=1'-0"	dr. by: TARIQ	chk. by:
drawing no. 23-30F		sheet 2 of 19	

GLASS LOAD CAPACITY - PSF		
NOMINAL DIMS.		GLASS TYPES 'C' & 'C1'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)
30"	66-1/2"	80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0
66-1/2"		80.0
30"	72-1/2"	80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0
66"		80.0
30"	78-1/2"	80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0
30"	84-1/2"	80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0
30"	90-1/2"	80.0
36"		80.0
42"		80.0
48"		80.0
54"		80.0
60"		80.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



GLAZING OPTIONS

INTERIOR GLAZED

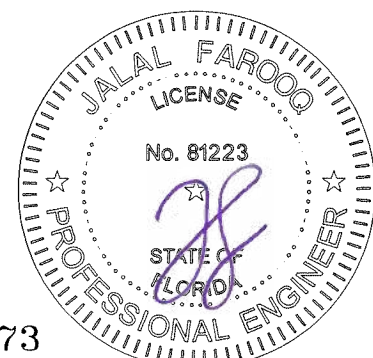
1/2" AIR SPACE CONSISTING OF:
SPACER:
 'PROFIGLASS' ALUMINUM SPACER
 BY 'RAMAPO USA'
PERIMETER SEALANT:
 SILICONE
 DOWSIL CWS
 DOWSIL 899
 GE 2000
 PECORA 895

NOTE:
 GLASS CAPACITIES ON THIS SHEET ARE
 BASED ON ASTM E1300-09 (3 SEC. GUSTS).

GLASS

Sealed: 7/11/2023

FL #19973



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 (L.M.I.)

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

date: 07-03-23
 scale: 1/2" = 1"
 dr. by: TARIQ
 chk. by:

revisions:

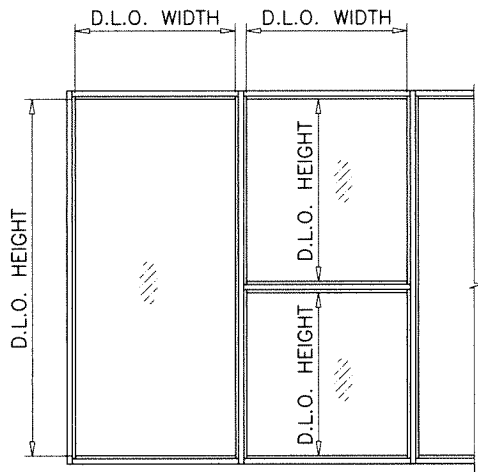
no	date	by	description

drawing no.
23-30F
 sheet 4 of 19

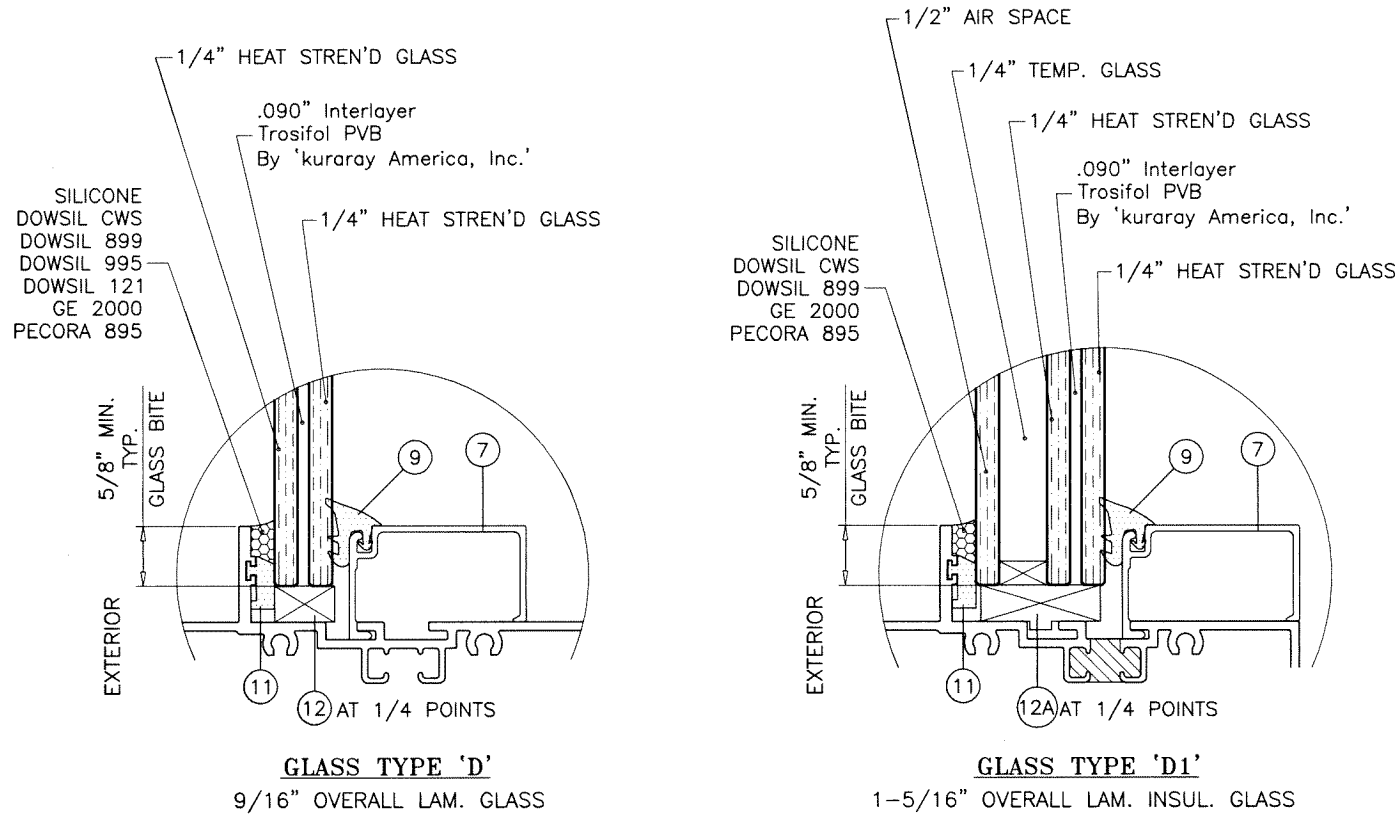
COMP-ANL\23-30-AAG

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPES 'D' & 'D1'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+)	INT. (-)
30"	66-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
66-1/2"		70.0	75.0
30"	72-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
66"		70.0	75.0
30"	78-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
30"	84-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
30"	90-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
30"	96-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
30"	102-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
30"	108"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
30"	114"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0
30"	114-1/2"	70.0	75.0
36"		70.0	75.0
42"		70.0	75.0
48"		70.0	75.0
54"		70.0	75.0
60"		70.0	75.0

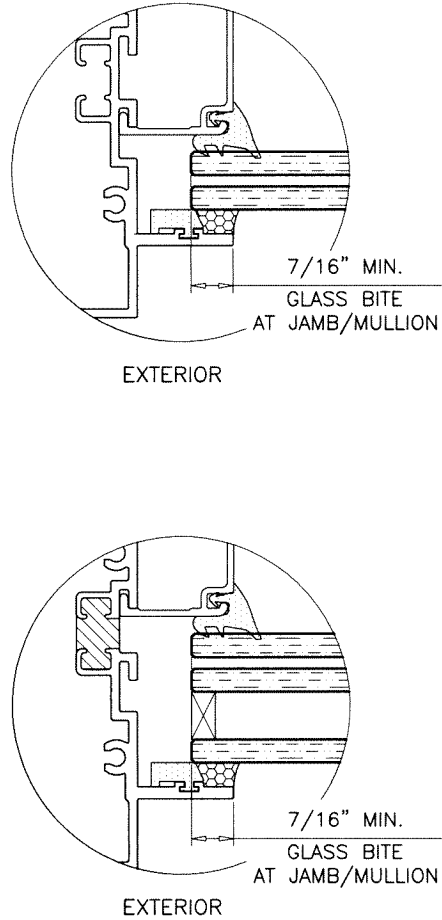
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS).

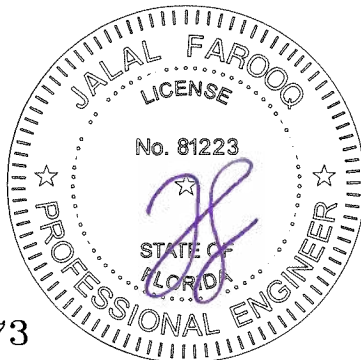


GLAZING OPTIONS
INTERIOR GLAZED



1/2" AIR SPACE CONSISTING OF:
SPACER:
'PROFIGLASS' ALUMINUM SPACER
BY 'RAMAPO USA'
PERIMETER SEALANT:
SILICONE
DOWSIL CWS
DOWSIL 899
GE 2000
PECORA 895

Sealed: 7/11/2023



GLASS

FL #19973

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

SERIES SMI-090 ALUM WINDOW WALL (L.M.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

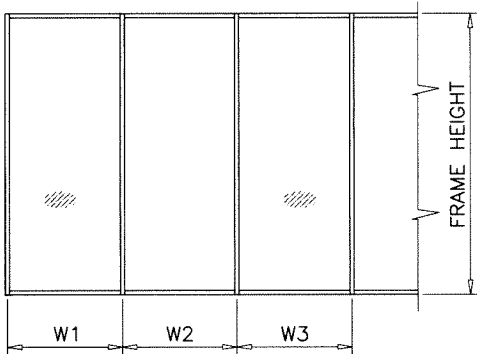
date: 07-03-23
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
23-30F
sheet 5 of 19

COMP-ANL\23-30-AAG

DESIGN LOAD CAPACITY - PSF JAMB/MULLION WITHOUT INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		JAMB 'J1'	JAMB 'J2'	JAMB 'J3/J4'
WIDTH (W)	FRAME HEIGHT	MULLION 'M1'	MULLION 'M2'	MULL 'M3/M4'
		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30"	78"	80.0	90.0	90.0
36"		80.0	90.0	90.0
42"		80.0	90.0	90.0
48"		80.0	90.0	90.0
54"		80.0	90.0	90.0
60"		80.0	90.0	90.0
30"	84"	80.0	90.0	90.0
36"		80.0	90.0	90.0
42"		80.0	90.0	90.0
48"		80.0	90.0	90.0
54"		73.6	90.0	90.0
60"		-	90.0	90.0
30"	90"	80.0	90.0	90.0
36"		80.0	90.0	90.0
42"		76.2	90.0	90.0
48"		68.3	90.0	90.0
54"		62.5	90.0	90.0
60"		-	90.0	90.0
30"	96"	80.0	90.0	90.0
36"		75.7	90.0	90.0
42"		66.0	90.0	90.0
48"		59.0	90.0	90.0
54"		-	90.0	90.0
60"		-	90.0	90.0
30"	102"	-	90.0	90.0
36"		-	90.0	90.0
42"		-	90.0	90.0
48"		-	90.0	90.0
54"		-	-	80.0
60"		-	-	-
30"	108"	-	90.0	90.0
36"		-	90.0	90.0
42"		-	90.0	90.0
48"		-	87.5	87.5
54"		-	-	80.0
60"		-	-	-
30"	114"	-	-	80.0
36"		-	-	80.0
42"		-	-	80.0
48"		-	-	80.0
54"		-	-	-
60"		-	-	-
30"	120"	-	-	80.0
36"		-	-	80.0
42"		-	-	80.0
48"		-	-	80.0
54"		-	-	-
60"		-	-	-

NOTE:
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



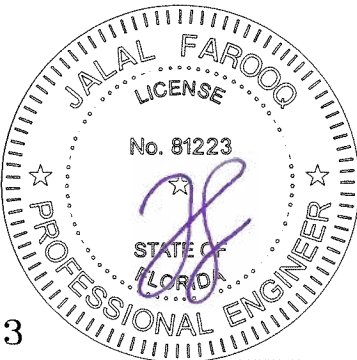
WIDTH (W) = W1
AT FRAME JAMB

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

JAMB 'J1'		JAMB 'J2'		JAMB 'J3'		JAMB 'J4'	
Ix IN^4 Sx IN^3 3.634 1.720		Ix IN^4 Sx IN^3 9.241 4.375		ALUMINUM Ix IN^4 Sx IN^3 STEEL .562 .375 TOTAL Ix ALUM + Ix STL X 2.9 10.871		ALUMINUM Ix IN^4 Sx IN^3 STEEL 4.146 1.951 TOTAL Ix ALUM + Ix STL X 2.9 15.657	
MULLION 'M1'		MULLION 'M2'		MULLION 'M3'		MULLION 'M4'	
Ix IN^4 Sx IN^3 3.854 1.614		Ix IN^4 Sx IN^3 9.461 3.963		ALUMINUM Ix IN^4 Sx IN^3 STEEL .562 .375 TOTAL Ix ALUM + Ix STL X 2.9 11.092		ALUMINUM Ix IN^4 Sx IN^3 STEEL 4.146 1.951 TOTAL Ix ALUM + Ix STL X 2.9 15.877	

MULLIONS

Sealed: 7/11/2023



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\23-30-AAG

SERIES SMI-090 ALUM WINDOW WALL (L.M.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: 07-03-23

scale: -

dr. by: TARIQ

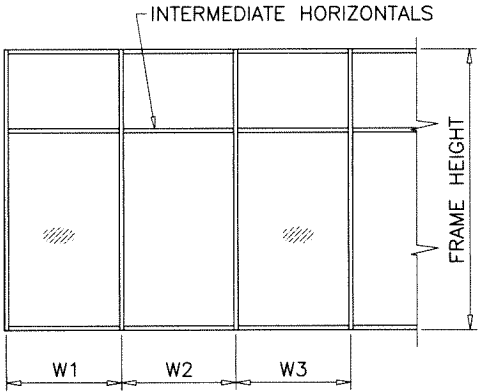
chk. by:

drawing no.
23-30F

sheet 6 of 19

DESIGN LOAD CAPACITY - PSF JAMB/MULLION WITH INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		JAMB 'J1'	JAMB 'J2'	JAMB 'J3/J4'
		MULLION 'M1'	MULLION 'M2'	MULL 'M3/M4'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30"	78"	80.0	90.0	90.0
36"		80.0	90.0	90.0
42"		80.0	90.0	90.0
48"		80.0	90.0	90.0
54"		74.2	90.0	90.0
60"		66.8	90.0	90.0
30"	84"	80.0	90.0	90.0
36"		80.0	90.0	90.0
42"		80.0	90.0	90.0
48"		71.6	90.0	90.0
54"		63.6	90.0	90.0
60"		-	90.0	90.0
30"	90"	80.0	90.0	90.0
36"		80.0	90.0	90.0
42"		70.8	90.0	90.0
48"		62.0	90.0	90.0
54"		55.1	90.0	90.0
60"		-	90.0	90.0
30"	96"	80.0	90.0	90.0
36"		72.2	90.0	90.0
42"		61.9	90.0	90.0
48"		54.2	90.0	90.0
54"		-	90.0	90.0
60"		-	-	80.0
30"	102"	-	90.0	90.0
36"		-	90.0	90.0
42"		-	90.0	90.0
48"		-	90.0	90.0
54"		-	-	80.0
60"		-	-	-
30"	108"	-	90.0	90.0
36"		-	90.0	90.0
42"		-	90.0	90.0
48"		-	87.5	87.5
54"		-	-	-
60"		-	-	-
30"	114"	-	-	80.0
36"		-	-	80.0
42"		-	-	80.0
48"		-	-	80.0
54"		-	-	-
60"		-	-	-
30"	120"	-	-	80.0
36"		-	-	80.0
42"		-	-	80.0
48"		-	-	80.0
54"		-	-	-
60"		-	-	-

NOTE:
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = W1
AT FRAME JAMB

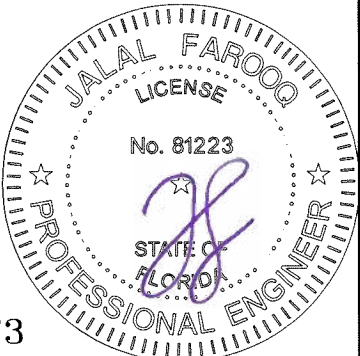
WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION

JAMB 'J1'		JAMB 'J2'		JAMB 'J3'		JAMB 'J4'	
I_x IN ⁴ Sx IN ³		I_x IN ⁴ Sx IN ³		I_x IN ⁴ Sx IN ³		I_x IN ⁴ Sx IN ³	
3.634 1.720		9.241 4.375		ALUMINUM 9.241 4.375		ALUMINUM 3.634 1.720	
				STEEL .562 .375		STEEL 4.146 1.951	
				TOTAL 1x ALUM + 1x STL X 2.9 10.871		TOTAL 1x ALUM + 1x STL X 2.9 15.657	
MULLION 'M1'		MULLION 'M2'		MULLION 'M3'		MULLION 'M4'	
I_x IN ⁴ Sx IN ³		I_x IN ⁴ Sx IN ³		I_x IN ⁴ Sx IN ³		I_x IN ⁴ Sx IN ³	
3.854 1.614		9.461 3.963		ALUMINUM 9.461 3.963		ALUMINUM 3.854 1.614	
				STEEL .562 .375		STEEL 4.146 1.951	
				TOTAL 1x ALUM + 1x STL X 2.9 11.092		TOTAL 1x ALUM + 1x STL X 2.9 15.877	

MULLIONS

Sealed: 7/11/2023

FL #19973



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revisions:

no	date	by	description

date: 07-03-23

scale: -

dr. by: TARIQ

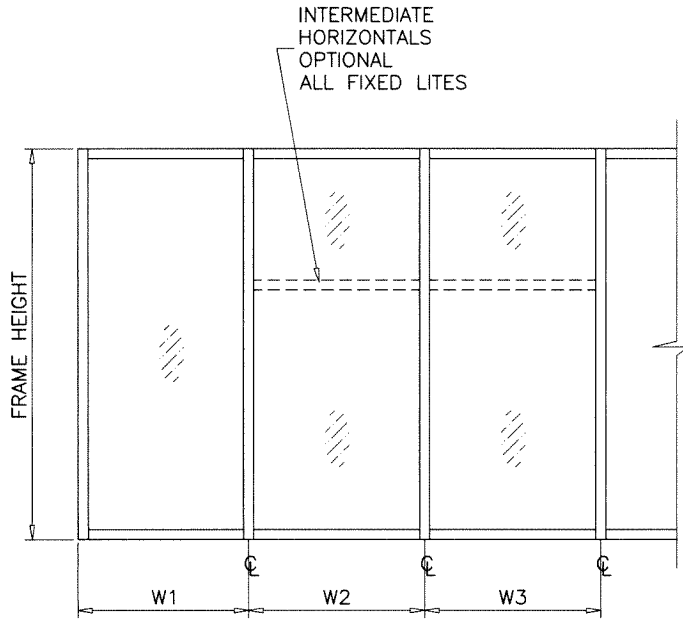
chk. by:

drawing no.

23-30F

sheet 7 of 19

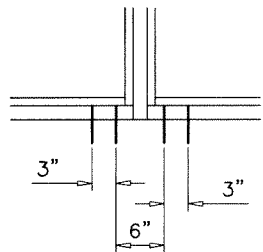
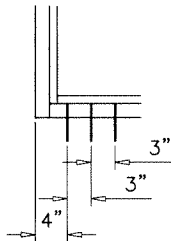
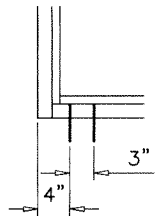
ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'		ANCHORS TYPE 'B'		ANCHORS 'C'
WIDTH (W)	FRAME HEIGHT	A2	A3	B2	B3	C2
30"	84"	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0
42"		90.0	90.0	90.0	90.0	90.0
48"		90.0	90.0	90.0	90.0	90.0
54"		90.0	90.0	90.0	90.0	90.0
60"		90.0	90.0	90.0	90.0	90.0
30"	90"	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0
42"		90.0	90.0	90.0	90.0	90.0
48"		90.0	90.0	90.0	90.0	90.0
54"		86.7	90.0	90.0	90.0	90.0
60"		81.9	90.0	89.3	90.0	90.0
30"	96"	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0
42"		90.0	90.0	90.0	90.0	90.0
48"		85.3	90.0	90.0	90.0	90.0
54"		79.1	90.0	86.3	90.0	90.0
60"		74.5	90.0	81.2	90.0	90.0
30"	102"	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0
42"		86.7	90.0	90.0	90.0	90.0
48"		78.8	90.0	85.8	90.0	90.0
54"		72.8	90.0	79.4	90.0	90.0
30"	108"	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0
42"		80.7	90.0	88.0	90.0	90.0
48"		73.1	90.0	79.7	90.0	90.0
30"	114"	90.0	90.0	90.0	90.0	90.0
36"		85.3	90.0	90.0	90.0	90.0
42"		75.5	90.0	82.3	90.0	90.0
48"		68.3	90.0	74.4	90.0	90.0
30"	120"	90.0	90.0	90.0	90.0	90.0
36"		80.3	90.0	87.5	90.0	90.0
42"		70.9	90.0	77.3	90.0	90.0
48"		64.0	90.0	69.8	90.0	90.0



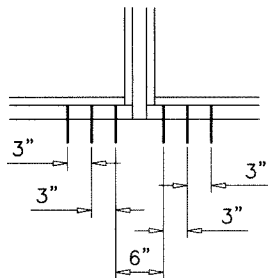
WIDTH (W) = W1
AT FRAME JAMB

$$\text{WIDTH (W)} = \frac{W2 + W3}{2}$$

AT FRAME MULLION



A2, B2, C2



A3, B3,

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

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.

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
1-3/8" 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' (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 = 2-1/2" MIN.

TYPE 'C'

#14 SMS OR SELF DRILLING SCREWS ST/ST (GRADE 2 CRS)
INTO F.B.C. APPROVED MULLIONS
OR
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. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

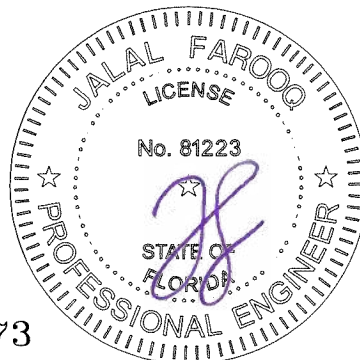
INTO METAL STRUCTURE = 3/4" MIN.

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.

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ANCHORS

FL #19973



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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

SERIES SMI-090 ALUM WINDOW WALL (L.M.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:

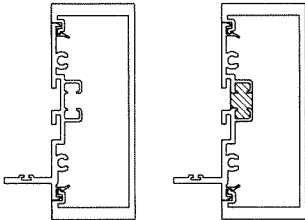
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scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
23-30F
sheet **8** of **19**

COMP-ANL 23-30-AAG

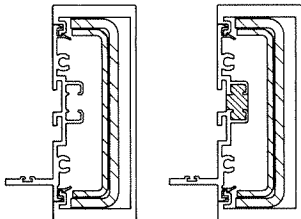
DOOR MULLION LOAD CAPACITY		
NOMINAL DIMS.		W/O REINF.
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)
30"	81-3/4"	90.0
36"		90.0
42"		90.0
48"		90.0
30"	85-3/4"	90.0
36"		90.0
42"		90.0
48"		90.0
30"	91-3/4"	90.0
36"		90.0
42"		90.0
30"	96-3/4"	90.0
36"		90.0
42"		90.0
30"	97-3/4"	90.0
36"		90.0
42"		90.0



DOOR MULLION
WITHOUT REINFORCING

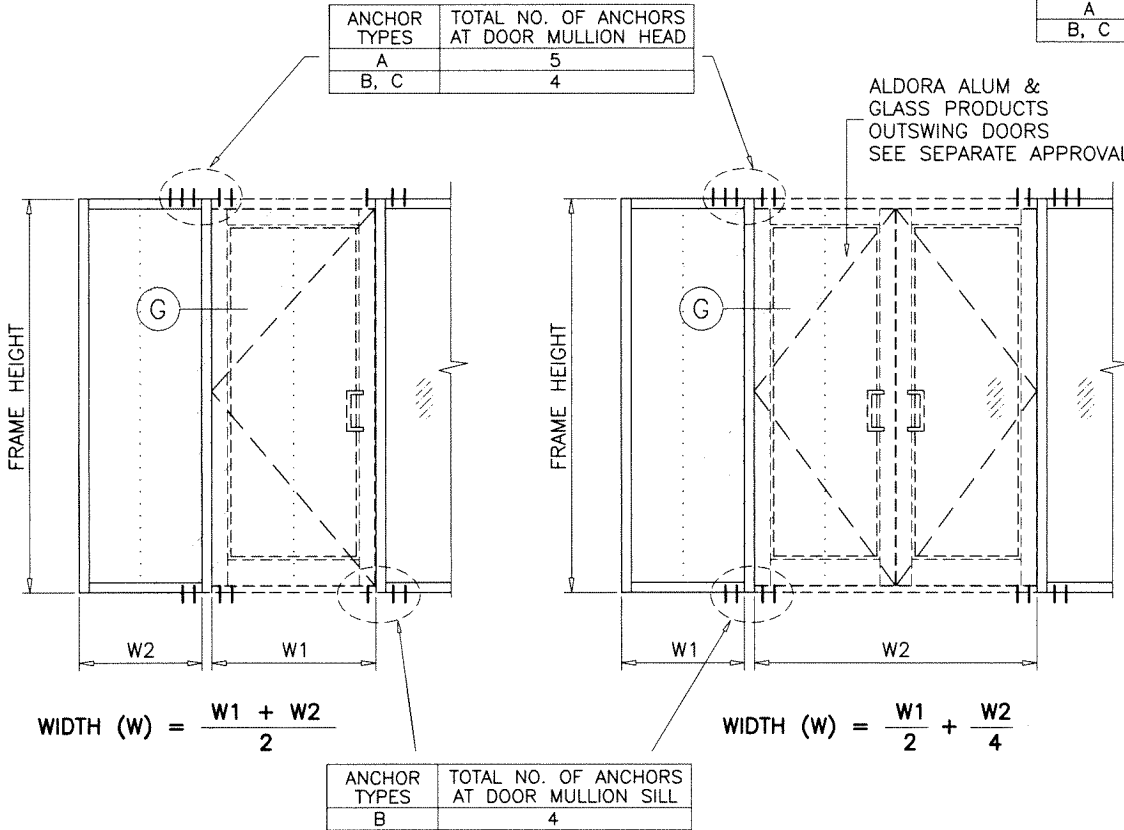
Ix IN^4	Sx IN^3
5.856	2.602

DOOR MULLION LOAD CAPACITY		
NOMINAL DIMS.		WITH REINF.
WIDTH (W)	FRAME HEIGHT	EXT.(+) & INT.(-)
24"	80"	90.0
30"		90.0
36"		90.0
42"		90.0
48"		90.0
24"	84"	90.0
30"		90.0
36"		90.0
42"		90.0
48"		90.0
24"	90"	90.0
30"		90.0
36"		90.0
42"		90.0
48"		90.0
24"	96"	90.0
30"		90.0
36"		90.0
42"		90.0
48"		90.0
24"	102"	90.0
30"		90.0
36"		90.0
42"		90.0
48"		90.0
24"	108"	90.0
30"		90.0
36"		90.0
42"		90.0
48"		90.0
24"	114"	80.0
30"		80.0
36"		80.0
42"		80.0
48"		80.0
24"	120"	80.0
30"		80.0
36"		80.0
42"		80.0
48"		80.0

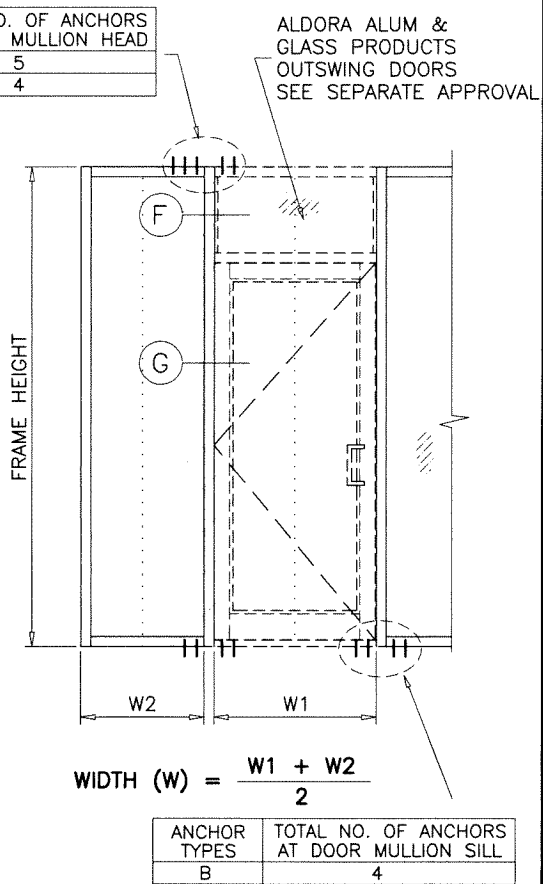


DOOR MULLION
WITH REINFORCING

	Ix IN^4	Sx IN^3
ALUMINUM	5.856	2.602
STEEL	2.740	1.391
TOTAL Ix ALUM + Ix STL X 2.9	13.802	



ANCHOR TYPES	TOTAL NO. OF ANCHORS AT DOOR MULLION HEAD
A	5
B, C	4



ANCHOR TYPES	TOTAL NO. OF ANCHORS AT DOOR MULLION SILL
B	4

DOOR MULLION

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(C.A.N. 3338)

SERIES SMI-090 ALUM WINDOW WALL (L.M.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: 07-03-23 scale: 1/2" = 1" dr. by: TARIQ chk. by:

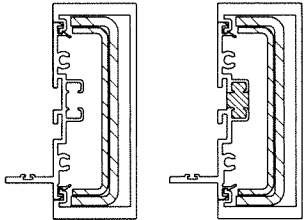
drawing no. **23-30F**

sheet 9 of 19

DOOR MULLION LOAD CAPACITY - PSF				
NOMINAL DIMS.				WITH REINF.
FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT. (+) INT. (-)
108	80	60	30	90.0
			33	90.0
			39	90.0
			42	90.0
		72	30	90.0
			33	90.0
			39	90.0
			42	90.0
		84	30	90.0
			33	90.0
			39	90.0
			42	89.1
		96	30	90.0
			33	87.9
			39	83.6
			42	81.6
114	80	60	30	80.0
			33	80.0
			39	80.0
			42	80.0
		72	30	80.0
			33	80.0
			39	80.0
			42	80.0
		84	30	80.0
			33	80.0
			39	80.0
			42	78.0
		96	30	78.6
			33	76.7
			39	73.1
			42	73.1
120	80	60	30	80.0
			33	80.0
			39	80.0
			42	80.0
		72	30	80.0
			33	80.0
			39	78.4
			42	76.3
		84	30	76.7
			33	74.7
			39	70.9
			42	69.1
		96	30	69.5
			33	67.8
			39	67.8
			42	67.8

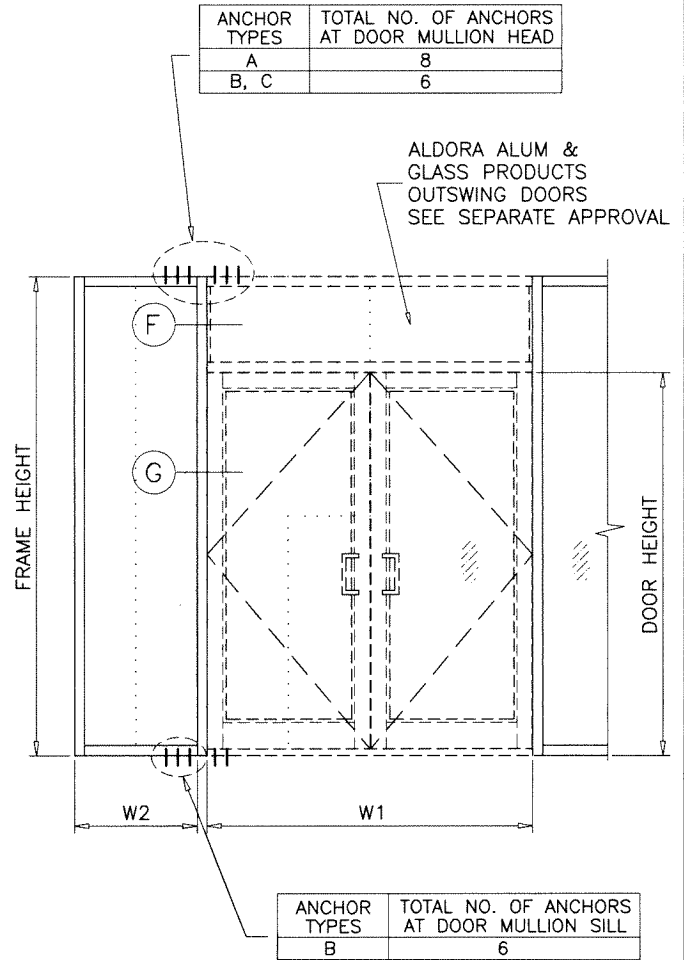
DOOR MULLION LOAD CAPACITY - PSF				
NOMINAL DIMS.				WITH REINF.
FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT. (+) INT. (-)
108	84	60	30	90.0
			33	90.0
			39	90.0
			42	90.0
		72	30	90.0
			33	90.0
			39	90.0
			42	90.0
		84	30	90.0
			33	90.0
			39	90.0
			42	90.0
		96	30	90.0
			33	90.0
			39	86.2
			42	84.1
114	84	60	30	80.0
			33	80.0
			39	80.0
			42	80.0
		72	30	80.0
			33	80.0
			39	80.0
			42	80.0
		84	30	80.0
			33	80.0
			39	80.0
			42	79.7
		96	30	80.0
			33	78.6
			39	74.8
			42	74.8
120	84	60	30	80.0
			33	80.0
			39	80.0
			42	80.0
		72	30	80.0
			33	80.0
			39	79.7
			42	77.5
		84	30	78.2
			33	76.1
			39	72.1
			42	70.3
		96	30	70.9
			33	69.1
			39	69.1
			42	69.1

DOOR MULLION LOAD CAPACITY - PSF				
NOMINAL DIMS.				WITH REINF.
FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT. (+) INT. (-)
114	96	60	30	80.0
			33	80.0
			39	80.0
			42	80.0
		72	30	80.0
			33	80.0
			39	80.0
			42	80.0
		84	30	80.0
			33	80.0
			39	80.0
			42	80.0
		96	30	80.0
			33	80.0
			39	80.0
			42	80.0
120	96	60	30	80.0
			33	80.0
			39	80.0
			42	80.0
		72	30	80.0
			33	80.0
			39	80.0
			42	80.0
		84	30	80.0
			33	80.0
			39	77.8
			42	75.7
		96	30	77.2
			33	75.1
			39	75.1
			42	75.1



DOOR MULLION WITH REINFORCING		
	Ix IN^4	Sx IN^3
ALUMINUM	5.856	2.602
STEEL	2.740	1.391
TOTAL Ix ALUM + Ix STL X 2.9	13.802	

DOOR MULLION LOAD CAPACITY - PSF				
NOMINAL DIMS.				WITH REINF.
FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT. (+) INT. (-)
120	108	60	30	80.0
			33	80.0
			39	80.0
			42	80.0
		72	30	80.0
			33	80.0
			39	80.0
			42	80.0
		84	30	80.0
			33	80.0
			39	80.0
			42	80.0
		96	30	80.0
			33	80.0
			39	80.0
			42	80.0



DOOR MULLION

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(C.A.N. 3338)

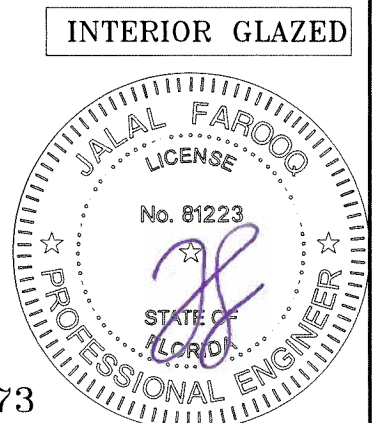
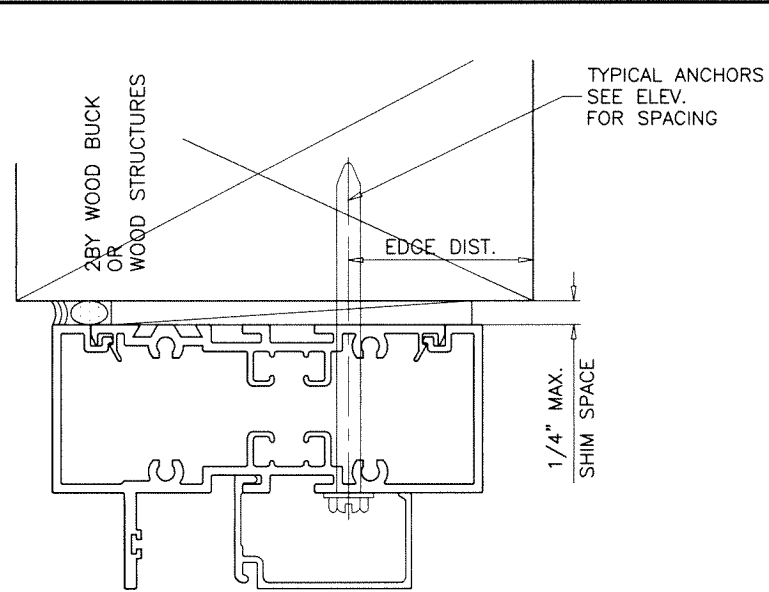
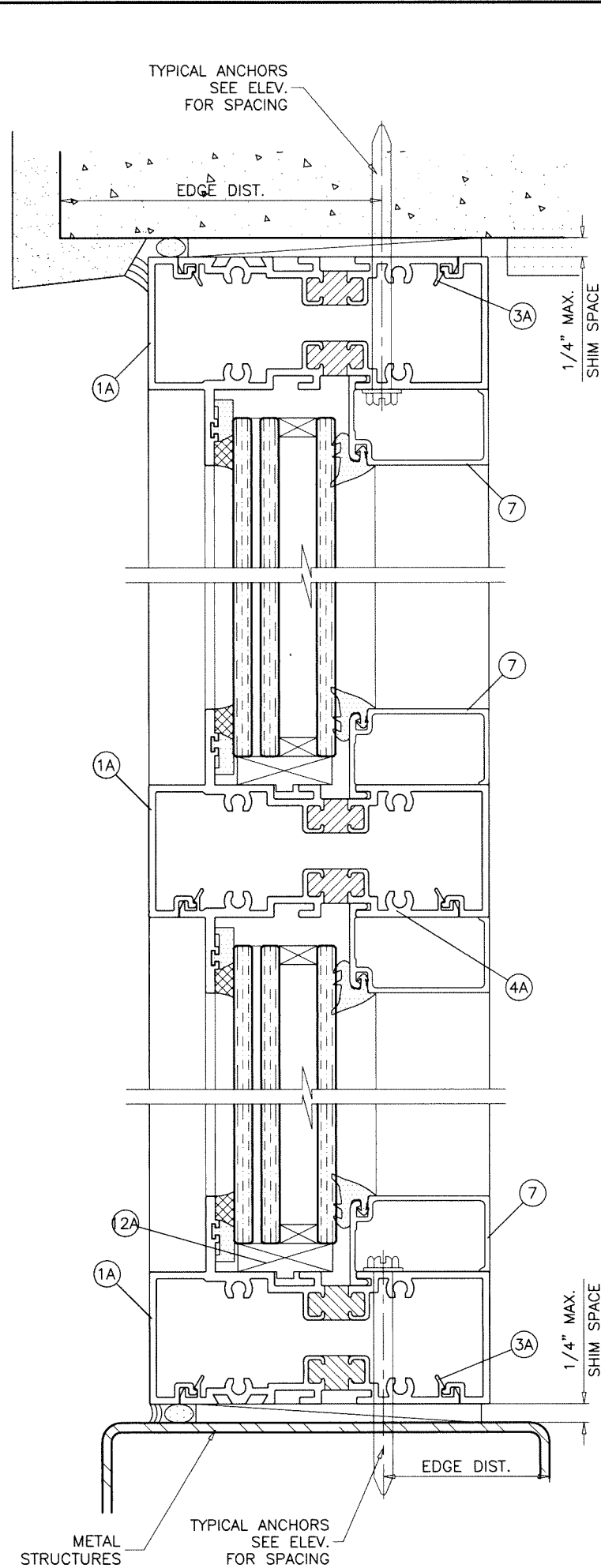
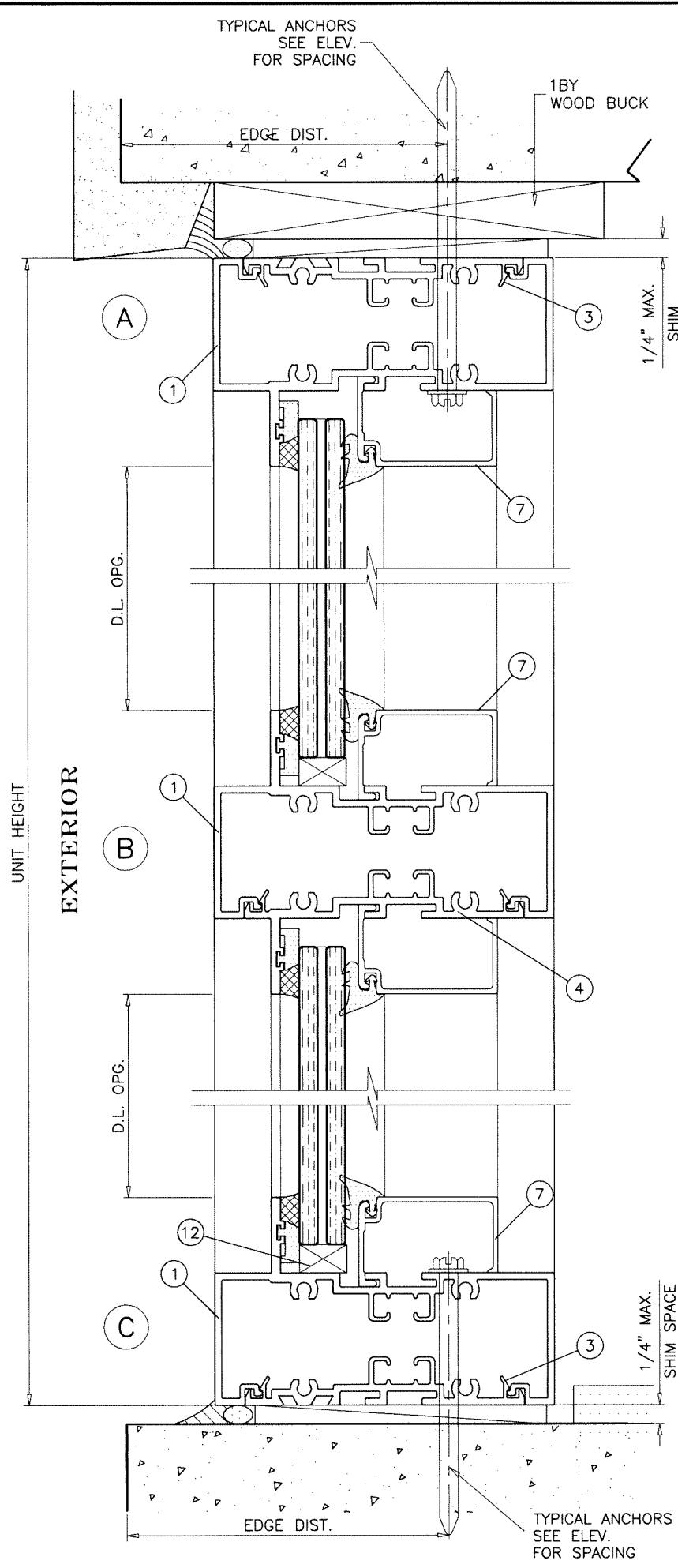
SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive, Suite 101
Coral Springs, FL. 33065
Tel. (954) 784-6900 Fax. (954) 784-6901

revisions:
no date by description

date: 07-03-23
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
23-30F
sheet 10 of 19

COMP-ANL 23-30-AAG



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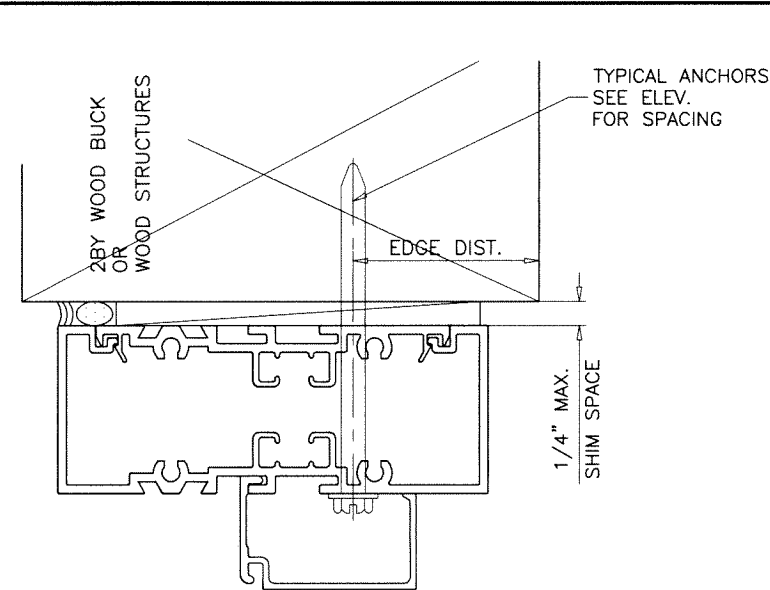
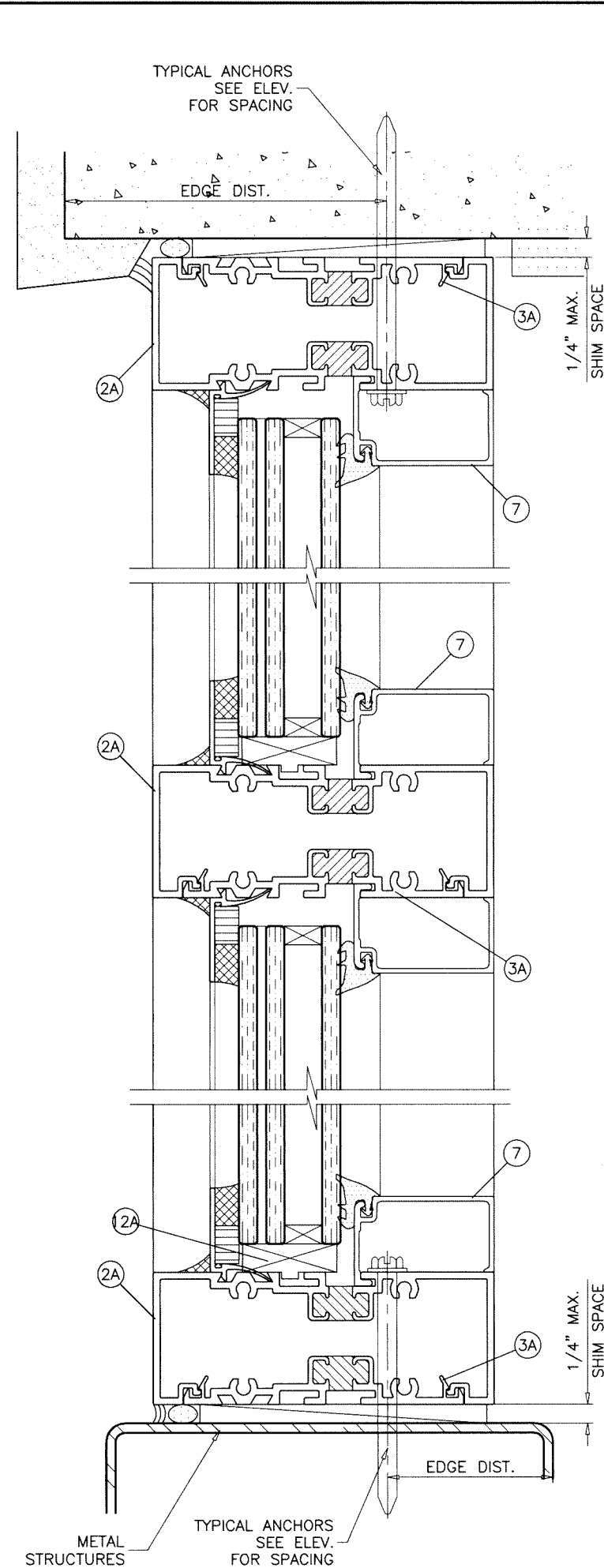
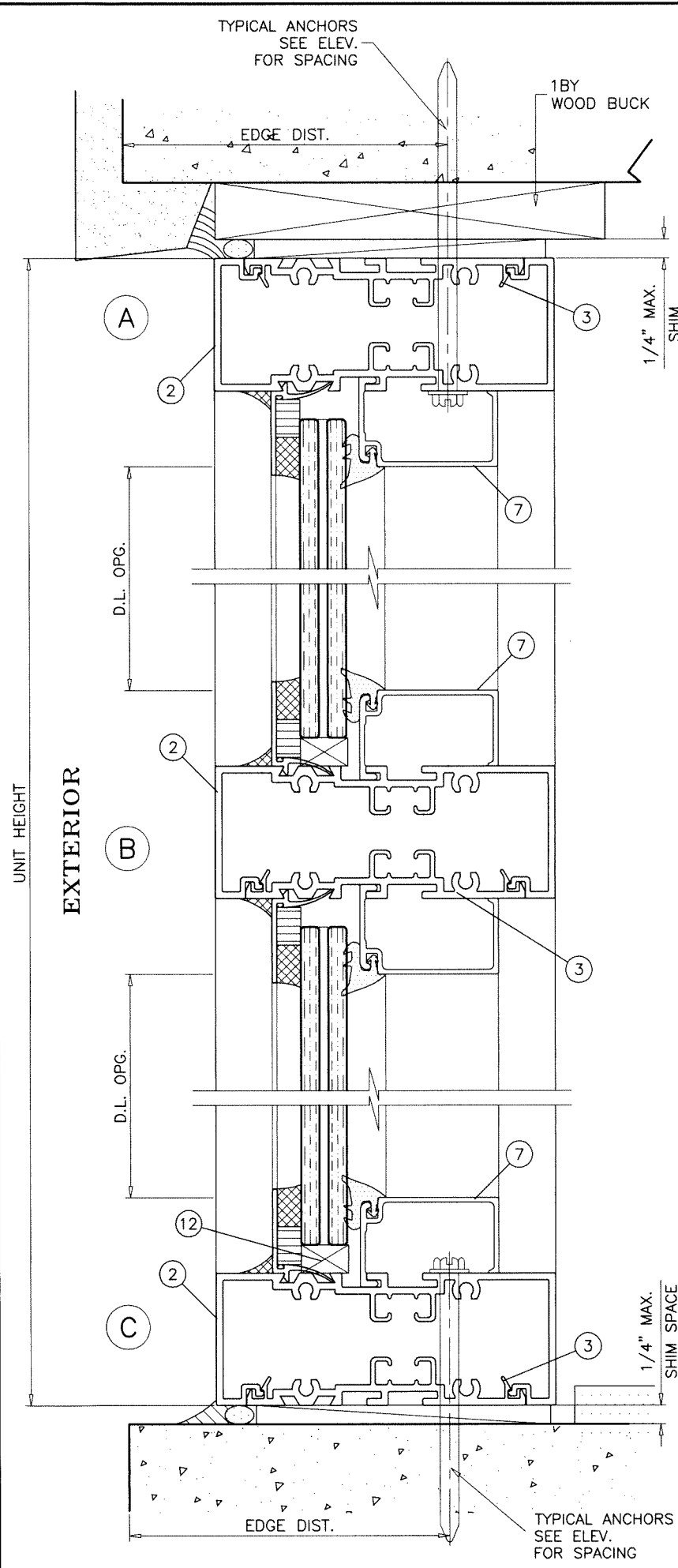
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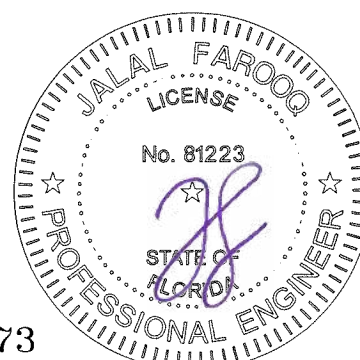
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dr. by: TARIQ
chk. by:

drawing no.
23-30F
sheet 11 of 19



Sealed: 7/11/2023

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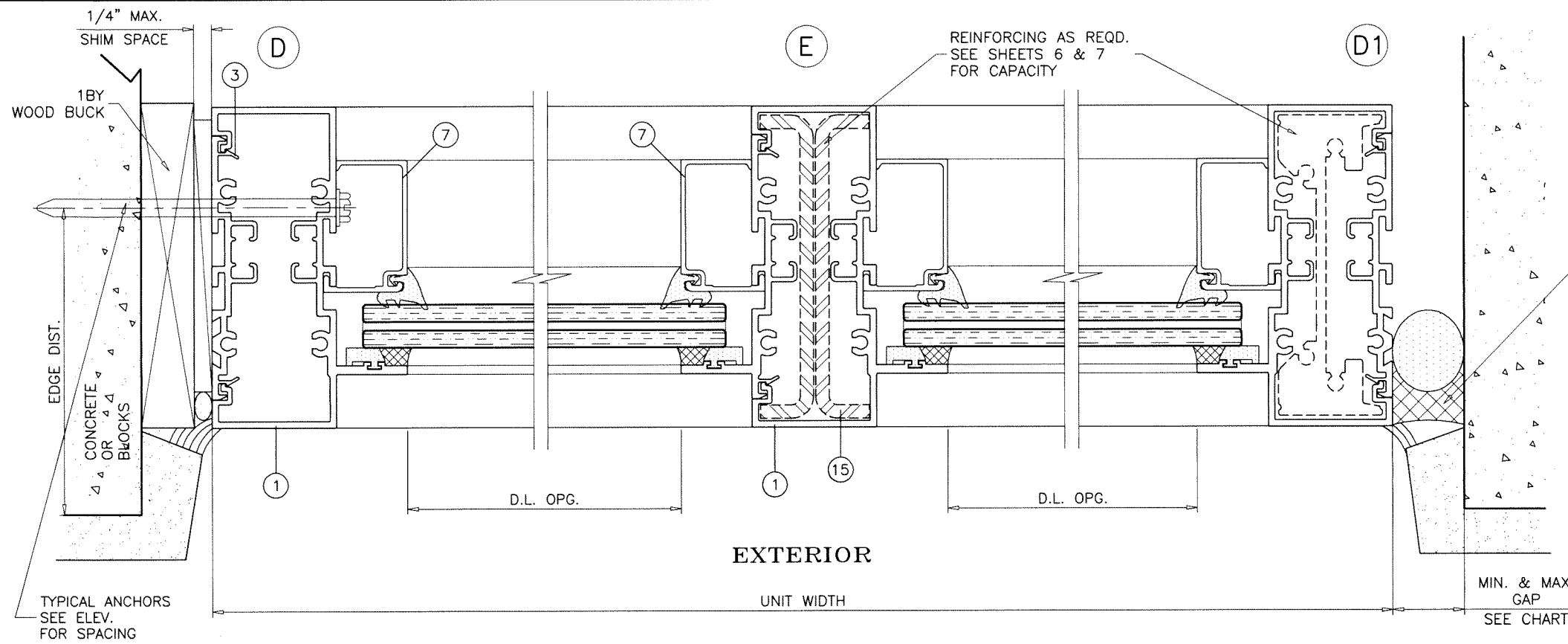
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dr. by: TARIQ
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drawing no.
23-30F

sheet 12 of 19



SILICONE
DOWSIL CCS
DEPTH = 3/8" MIN.

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

MIN. & MAX.
GAP
SEE CHART

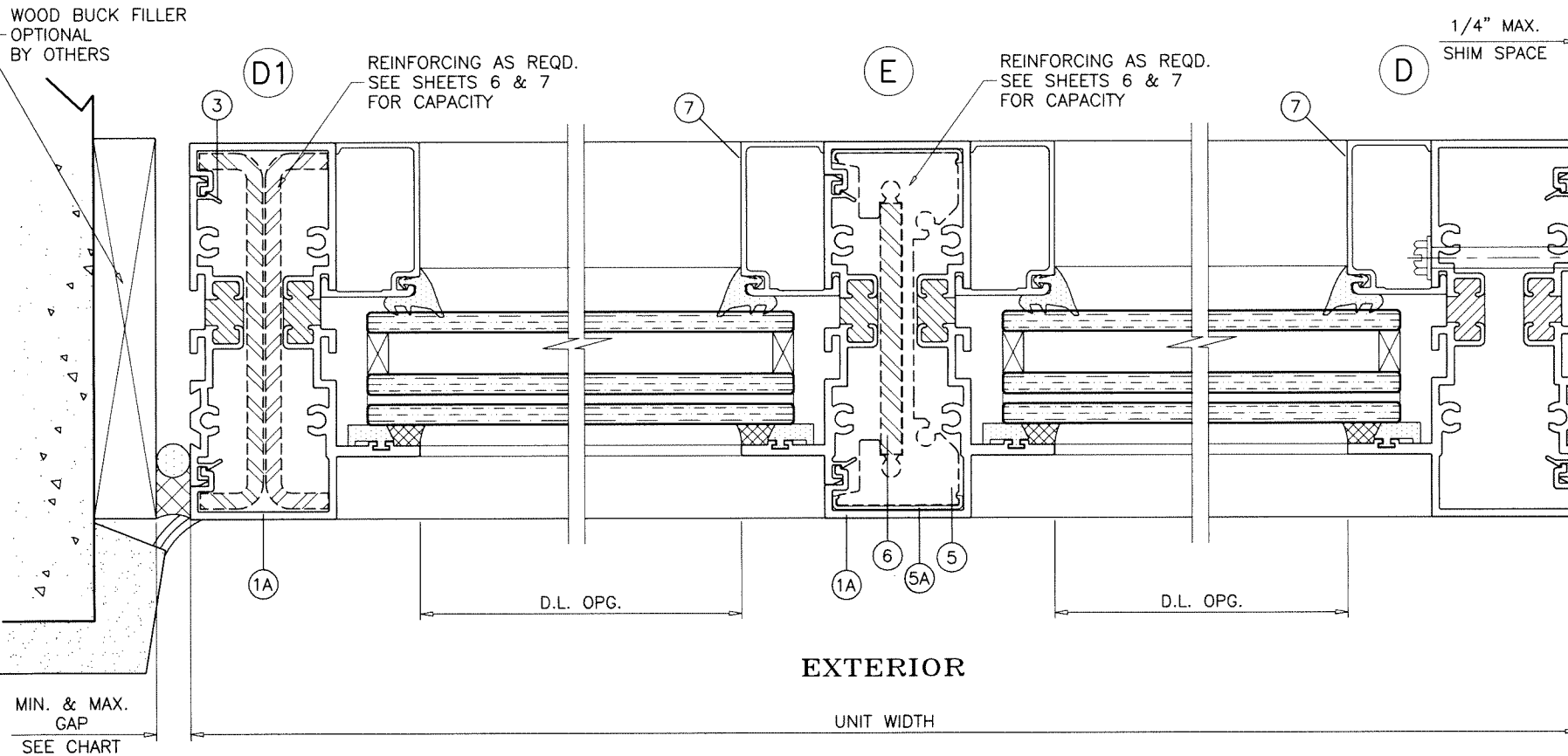
WOOD BUCK FILLER
OPTIONAL
BY OTHERS

REINFORCING AS REQD.
SEE SHEETS 6 & 7
FOR CAPACITY

REINFORCING AS REQD.
SEE SHEETS 6 & 7
FOR CAPACITY

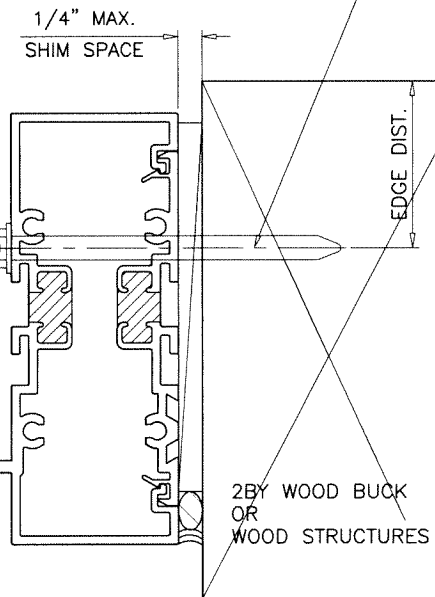
TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING



MIN. & MAX.
GAP
SEE CHART

METAL
STRUCTURE



NOTE:
REINFORCINGS NOT REQUIRED AT SECURED JAMBS



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INTERIOR OR EXTERIOR GLAZED

FL #19973

af c
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Revisions:

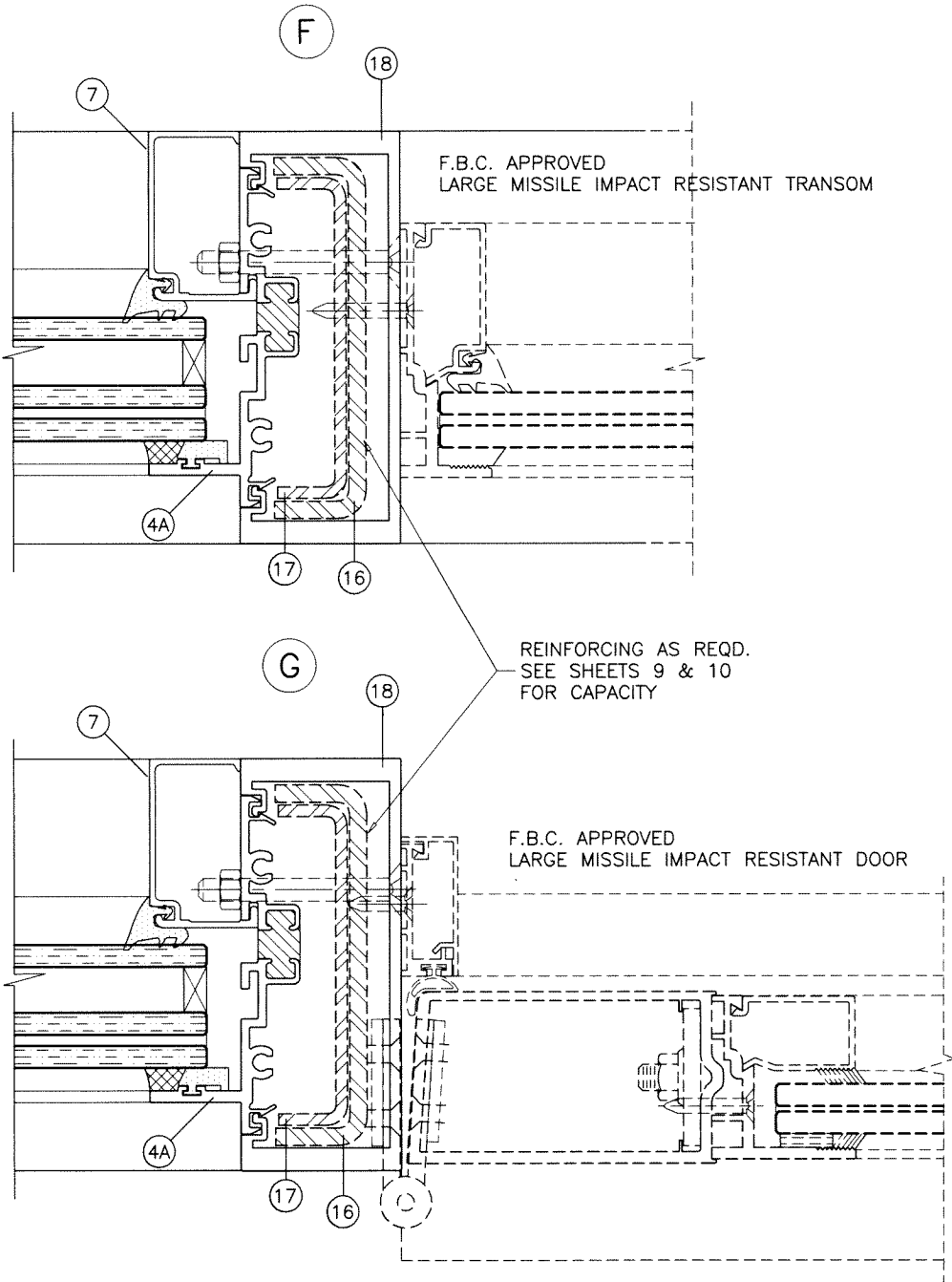
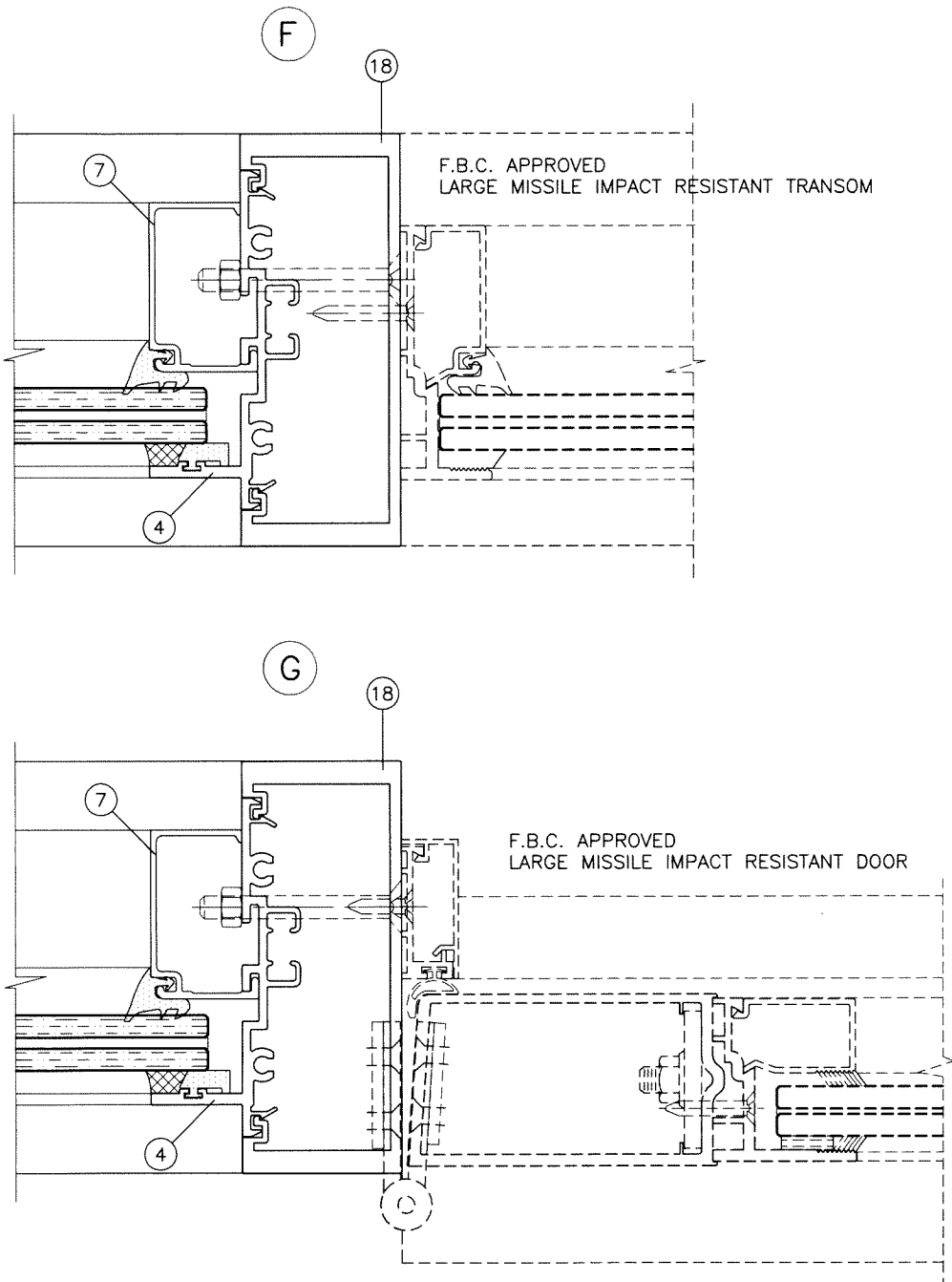
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date: 07-03-23
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
23-30F
sheet 13 of 19

SEE SEPARATE APPROVAL FOR DESIGN LOAD
CAPACITY OF DOORS AND DOOR ANCHORS.

LOWER VALUES FROM DOORS APPROVAL
OR STOREFRONT SYSTEM CAPACITY CHARTS
WILL APPLY TO ENTIRE SYSTEM.



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FL #19973

af c

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date: 07-03-23

scale: 1/2" = 1"

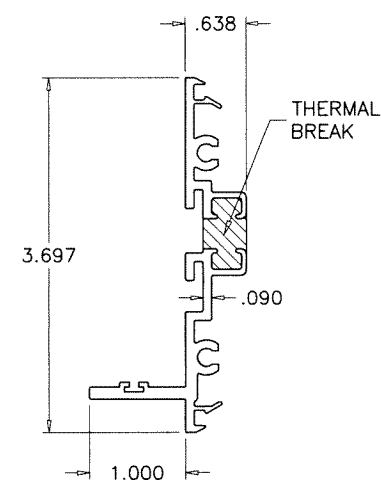
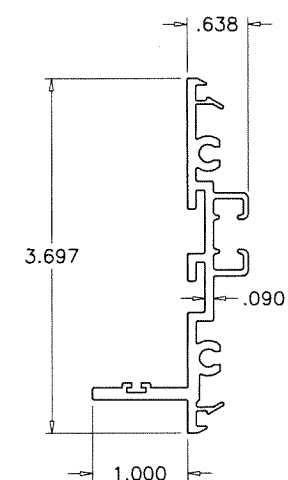
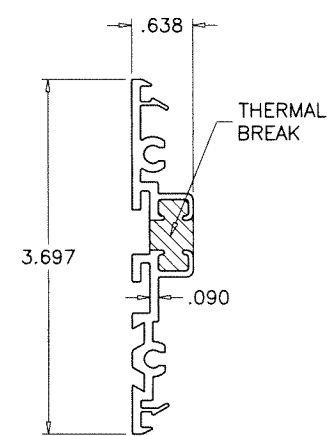
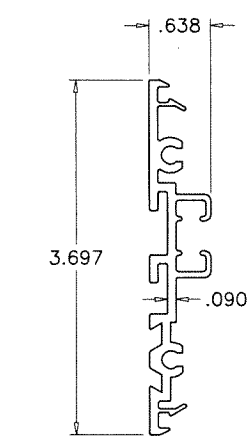
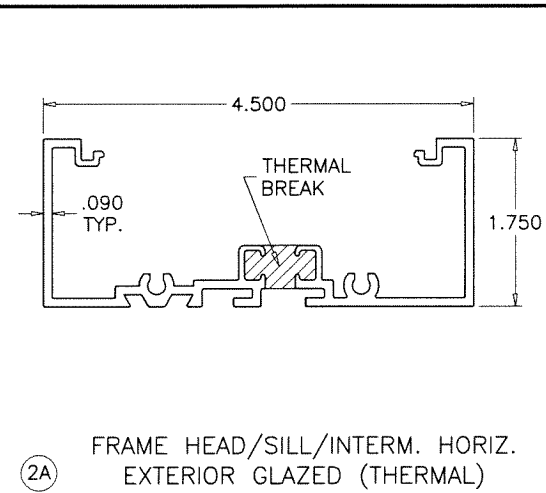
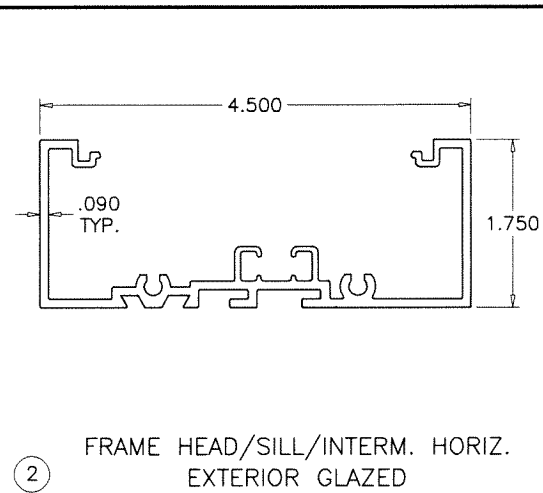
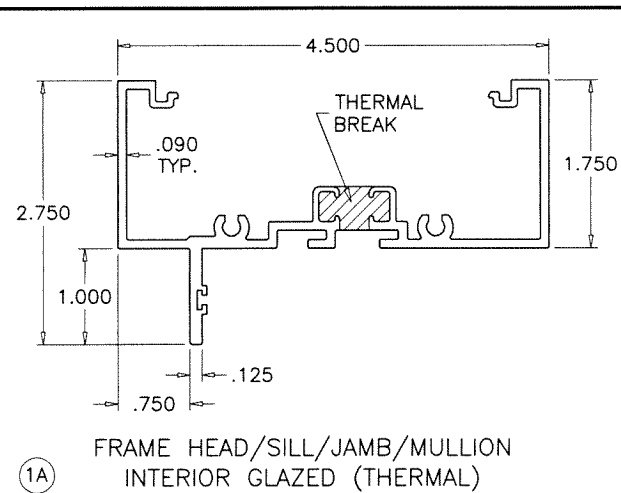
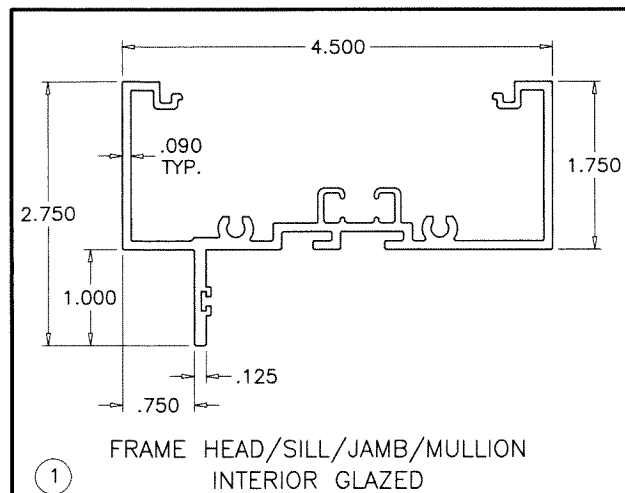
dr. by: TARIQ

chk. by:

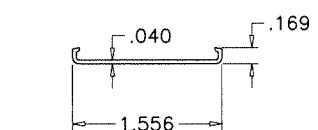
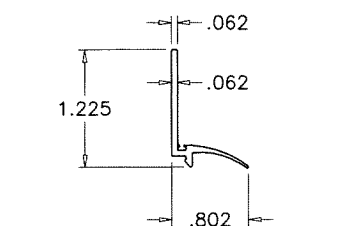
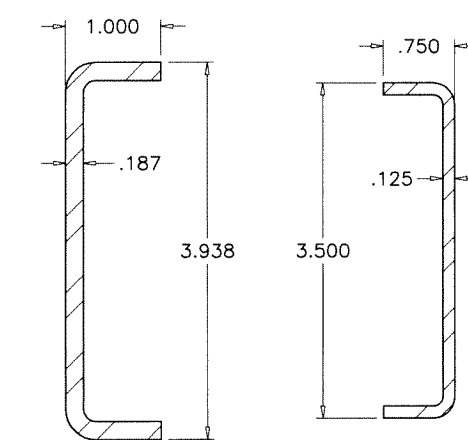
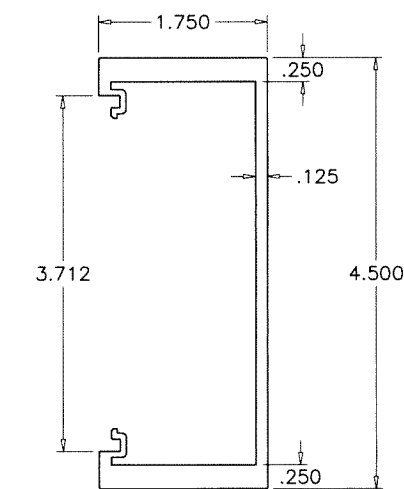
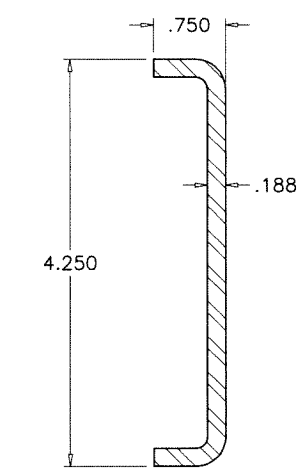
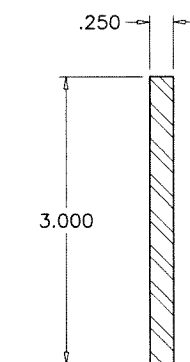
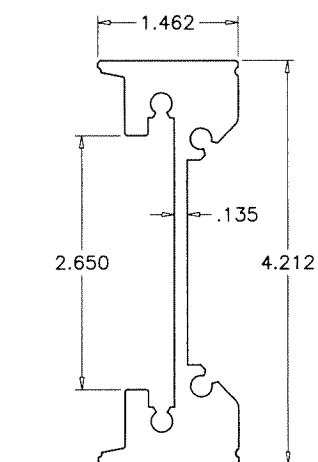
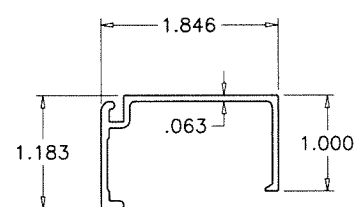
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23-30F

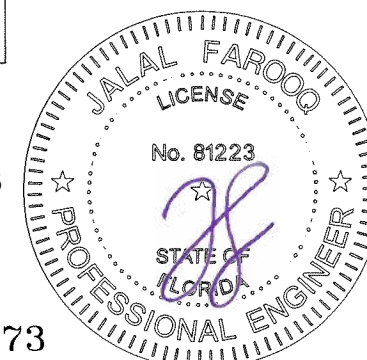
sheet 14 of 19



THERMAL BREAK:
FRAME MEMBERS FILLED AND DEBRIDGED USING
'AZON SU312-19T' STRUCTURAL THERMAL BARRIER POLYMER
MANUFACTURED BY 'AZON USA INC.'.



Sealed: 7/11/2023



SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)

Aldora Aluminum & Glass Products Inc.

4250 Coral Ridge Drive, Suite 101

+430 Coral Ridge Drive,
Coral Springs, FL. 33065

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

no	date	by	description
revisions:			

date: 07-03-23

scale: $1/2'' = 1''$

dr. by: TARIQ

chk. by:

drawing no.

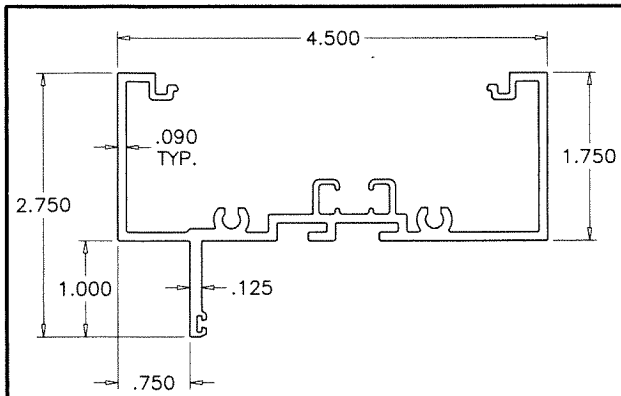
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sheet 15 of 19

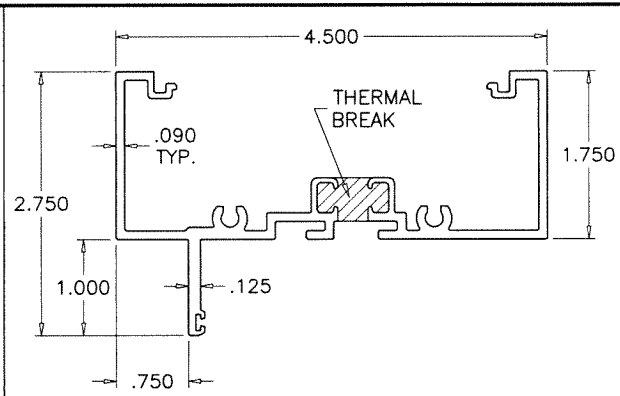
FL #19973

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

COMP-ANL\23-30-AAG

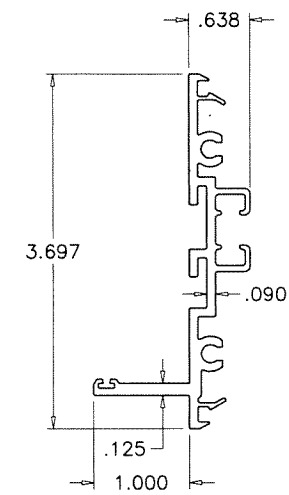


19 FRAME HEAD/SILL/JAMB/MULLION
INTERIOR GLAZED

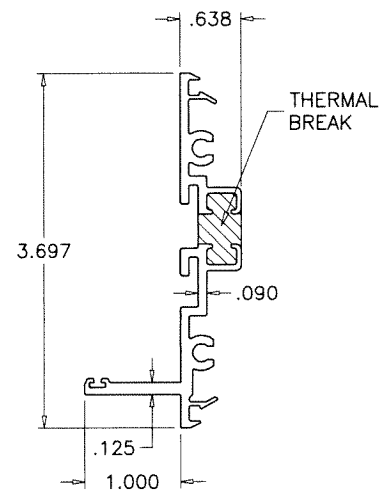


19A FRAME HEAD/SILL/JAMB/MULLION
INTERIOR GLAZED (THERMAL)

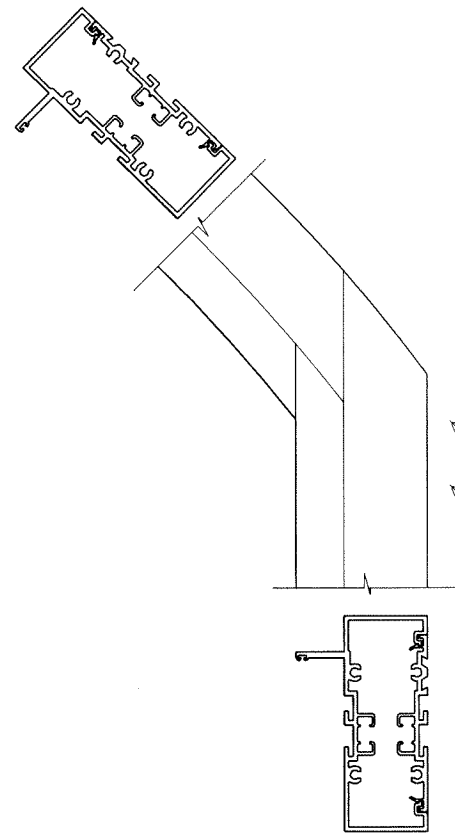
THERMAL BREAK:
FRAME MEMBERS FILLED AND DEBRIDGED USING
'AZON SU312-19T' STRUCTURAL THERMAL BARRIER POLYMER
MANUFACTURED BY 'AZON USA INC.'.



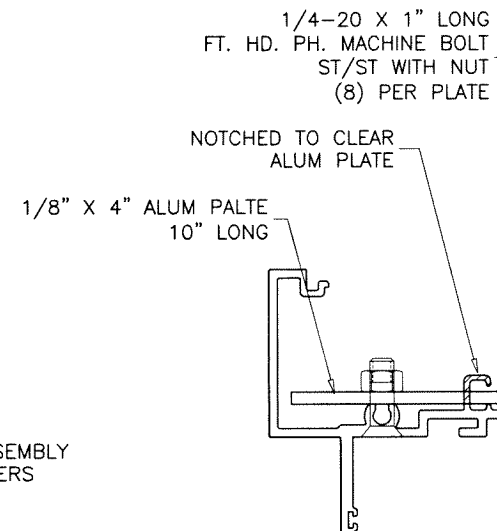
20 FIN SNAP
INTERIOR GLAZED



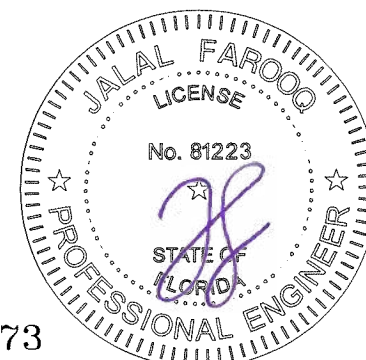
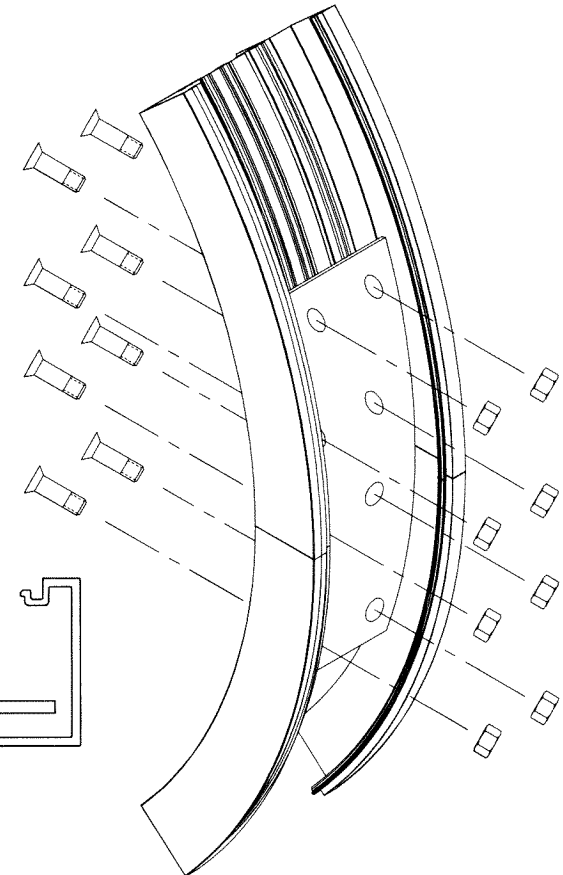
20A FIN SNAP
INTERIOR GLAZED (THERMAL)



CORNER JOINT AT
EYEBROW WINDOW



SPLICE JOINT AT
HALF & FULL CIRCLE CORNERS



Sealed: 7/11/2023

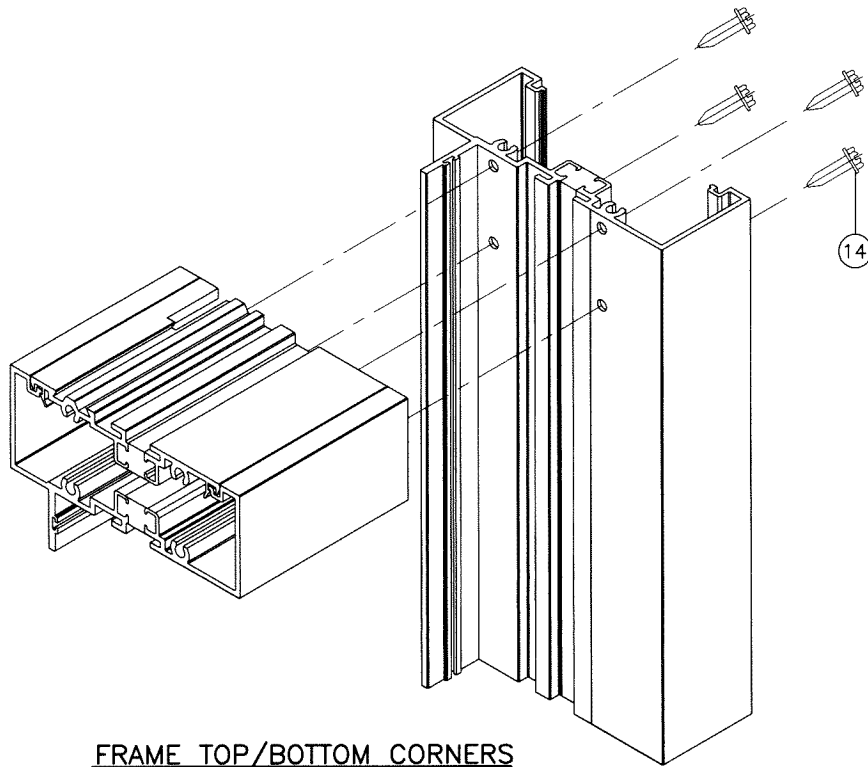
FL #19973

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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 23-30-AAG

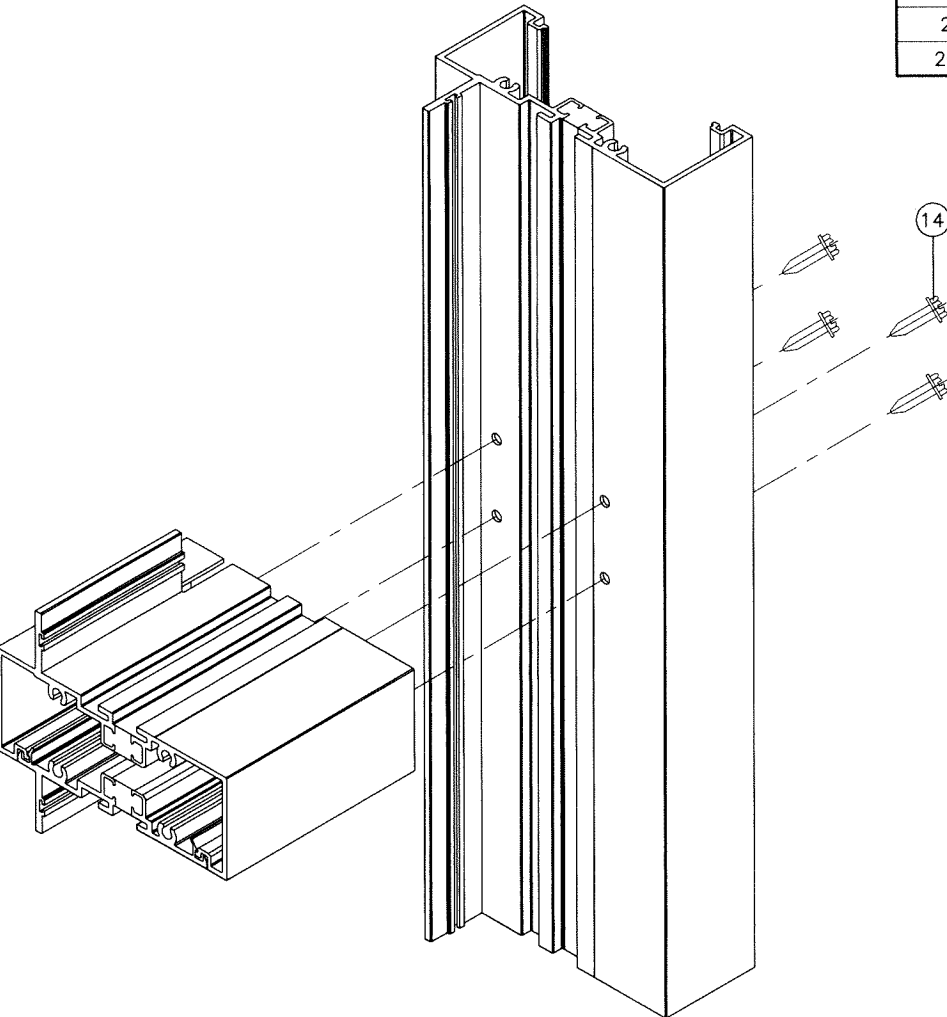
SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)
Aldora Aluminum & Glass Products Inc.
4250 Coral Ridge Drive, Suite 101
Coral Springs, FL. 33065
Tel. (954) 784-6900 Fax. (954) 784-6901

revisions:		date:		scale:		dr. by:		chk. by:	
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drawing no.
23-30F
sheet 16 of 19



FRAME TOP/BOTTOM CORNERS



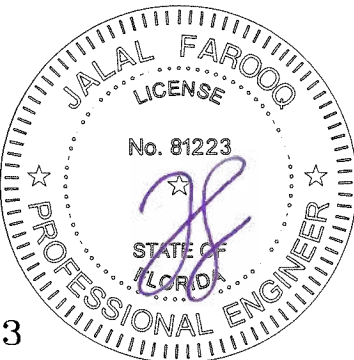
INTERMEDIATE HORIZONTAL CORNER

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SMI-091	AS REQD.	INT. GLAZED FRAME HEAD/SILL/JAMB/MULLION	6063-T6	-
1A	SMI-091T	AS REQD.	INT. GLAZED FRAME HEAD/SILL/JAMB/MULLION (POUR & DEBRIDGE)	6063-T6	-
2	SMI-098	AS REQD.	EXT. GLAZED FRAME HEAD/SILL/INTERM. HORIZ.	6063-T6	-
2A	SMI-098T	AS REQD.	EXT. GLAZED FRAME HEAD/SILL/INTERM. HORIZ. (POUR & DEBRIDGE)	6063-T6	-
3	SMI-094	AS REQD.	INT./EXT. GLAZED PLAIN SNAP	6063-T6	-
3A	SMI-094T	AS REQD.	INT./EXT. GLAZED PLAIN SNAP (POUR & DEBRIDGE)	6063-T6	-
4	SMI-093	AS REQD.	INT./EXT. GLAZED FIN SNAP	6063-T6	-
4A	SMI-093T	AS REQD.	INT./EXT. GLAZED FIN SNAP (POUR & DEBRIDGE)	6063-T6	-
5	SMI-095	AS REQD.	REINFORCING SPLICE	6005-T5	-
5A	SMI-P04	AS REQD.	THERMAL BRAKE SPACER FOR ALUM SPLICE	RIGID PVC	CENTRAL PLASTICS INC.
6	-	AS REQD.	REINFORCING BAR	STEEL	36 KSI MIN.
7	SMI-092	AS REQD.	INTERIOR GLASS STOP	6063-T6	-
8	SMI-097	AS REQD.	EXTERIOR GLASS STOP	6063-T6	-
9	SMI-G01	AS REQD.	INTERIOR GASKET (DUROMETER 70±5)	EPDM	GLAZING RUBBER PRODUCTS (#116)
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.
11A	SMI-G13	AS REQD.	SPACER / RETAINER OUTER GASKET	SANTOPRENE	MELTPPOINT PLASTICS INTERNATIONAL
12	SMI-SB06	2/ LITE	SETTING BLOCK LAM. GLASS (3/8" X 5/8" X 4" LG.) (DUROMETER 85±5)	EPDM	CENTRAL PLASTICS INC.
12A	SMI-SB04	2/ LITE	SETTING BLOCK LAM. INSUL. GLASS (3/8" X 1-1/4" X 4" LG.) (DUROMETER 85±5)	EPDM	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	-
16	-	-	REINFORCING CHANNEL (DOOR MULLION)	STEEL	1" X 3-15/16" X 1" X 3/16" THK.
17	-	-	REINFORCING CHANNEL (DOOR MULLION)	STEEL	3/4" X 3-1/2" X 3/4" X 1/8" THK.
18	SMI-005	AS REQD.	DOOR MULLION	6063-T6	-
19	SMI-901	AS REQD.	INT. GLAZED FRAME HEAD/SILL/JAMB/MULLION	6063-T6	-
19A	SMI-901T	AS REQD.	INT. GLAZED FRAME HEAD/SILL/JAMB/MULLION (POUR & DEBRIDGE)	6063-T6	-
20	SMI-903	AS REQD.	INT. GLAZED FIN SNAP	6063-T6	-
20A	SMI-903T	AS REQD.	INT. GLAZED FIN SNAP (POUR & DEBRIDGE)	6063-T6	-

SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.

Sealed: 7/11/2023



FL #19973

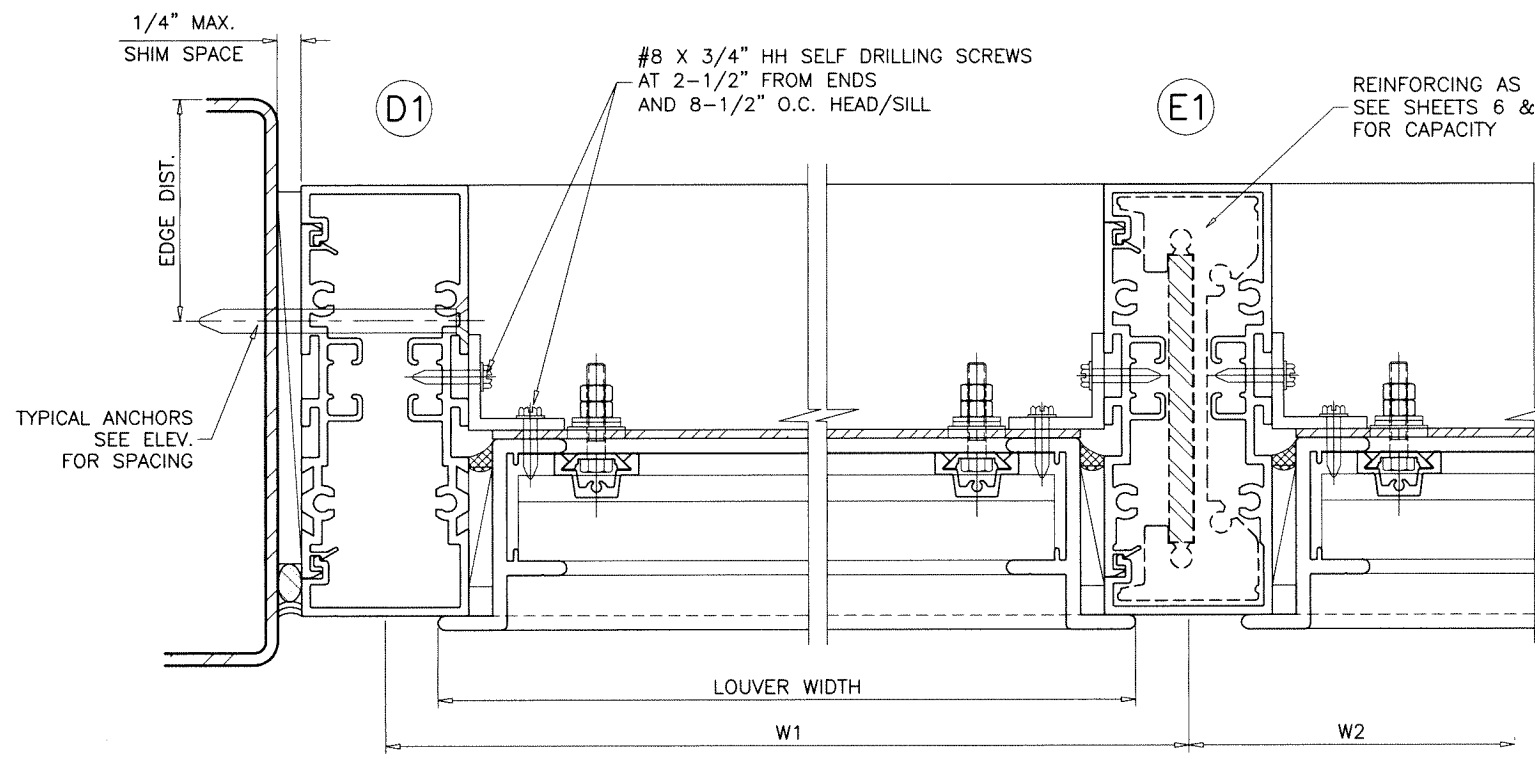
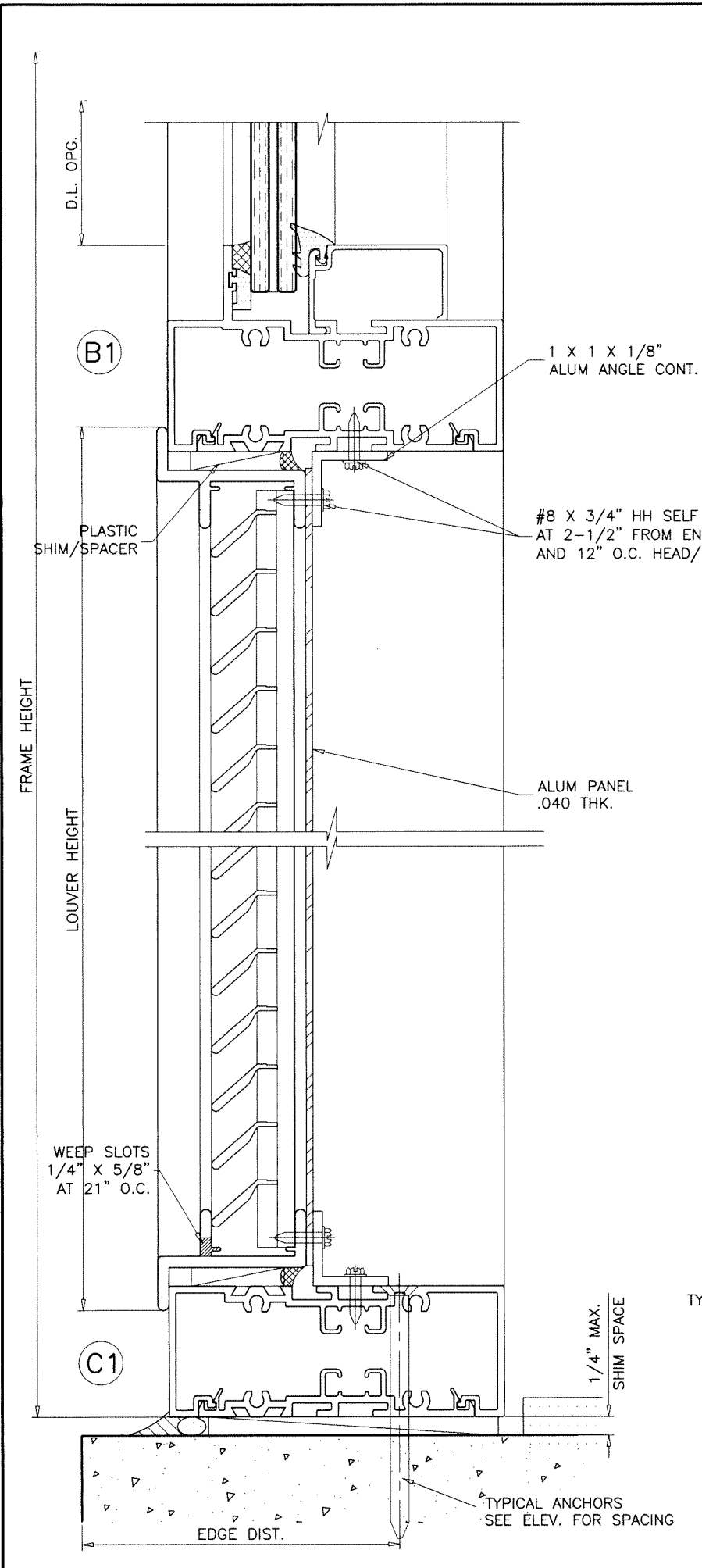
a f c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

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chk. by:

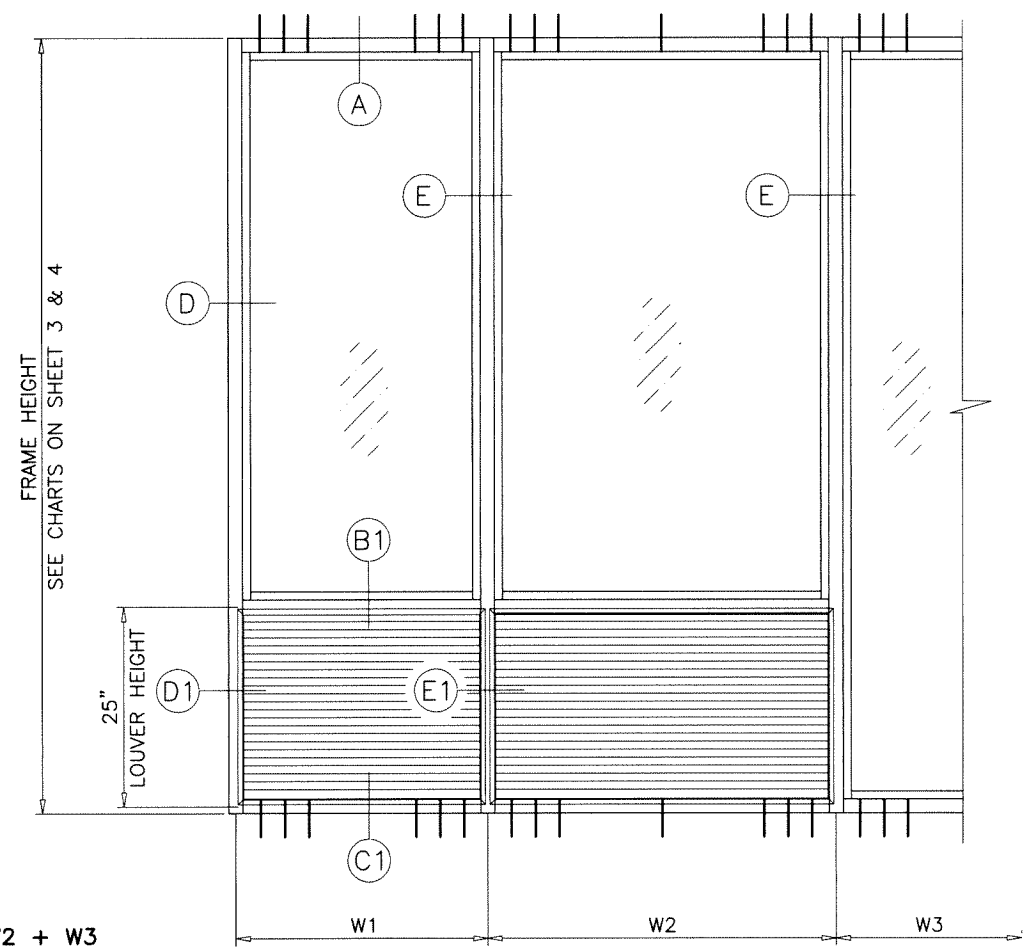
drawing no.
23-30F
sheet 17 of 19



WIDTH (W) = W1
AT FRAME JAMB

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

FOR LOUVER FRAMES WITH INTERMEDIATE VERTICAL MULLIONS
REFER TO APPLICABLE CHARTS ON SHEETS 6 & 7.



TYPICAL INSTALLATION OF LOUVERS IN THE WINDOW WALL SYSTEM
USE ALUMINUM LOUVERS HOLDING CURRENT APPROVAL
DETAILS FOR 'RELIABLE PRODUCTS' APPROVED LOUVERS SHOWN

Sealed: 7/11/2023
FL #19973



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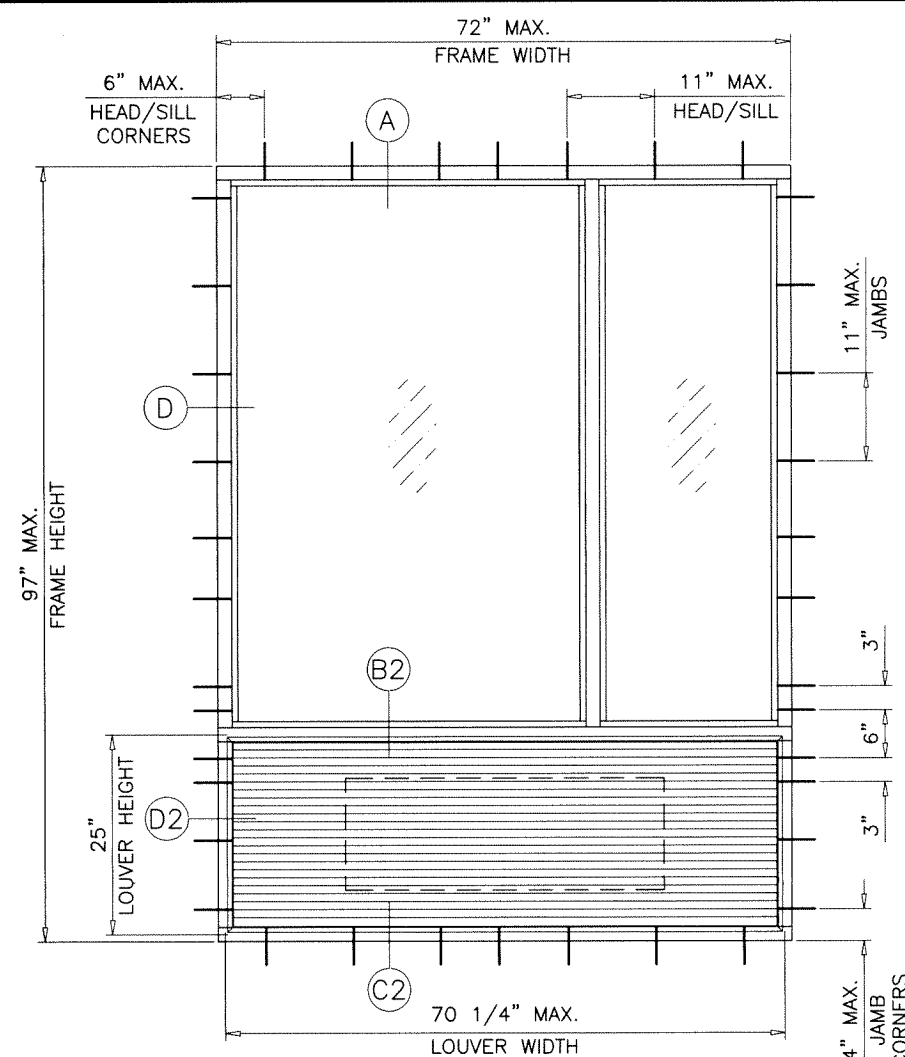
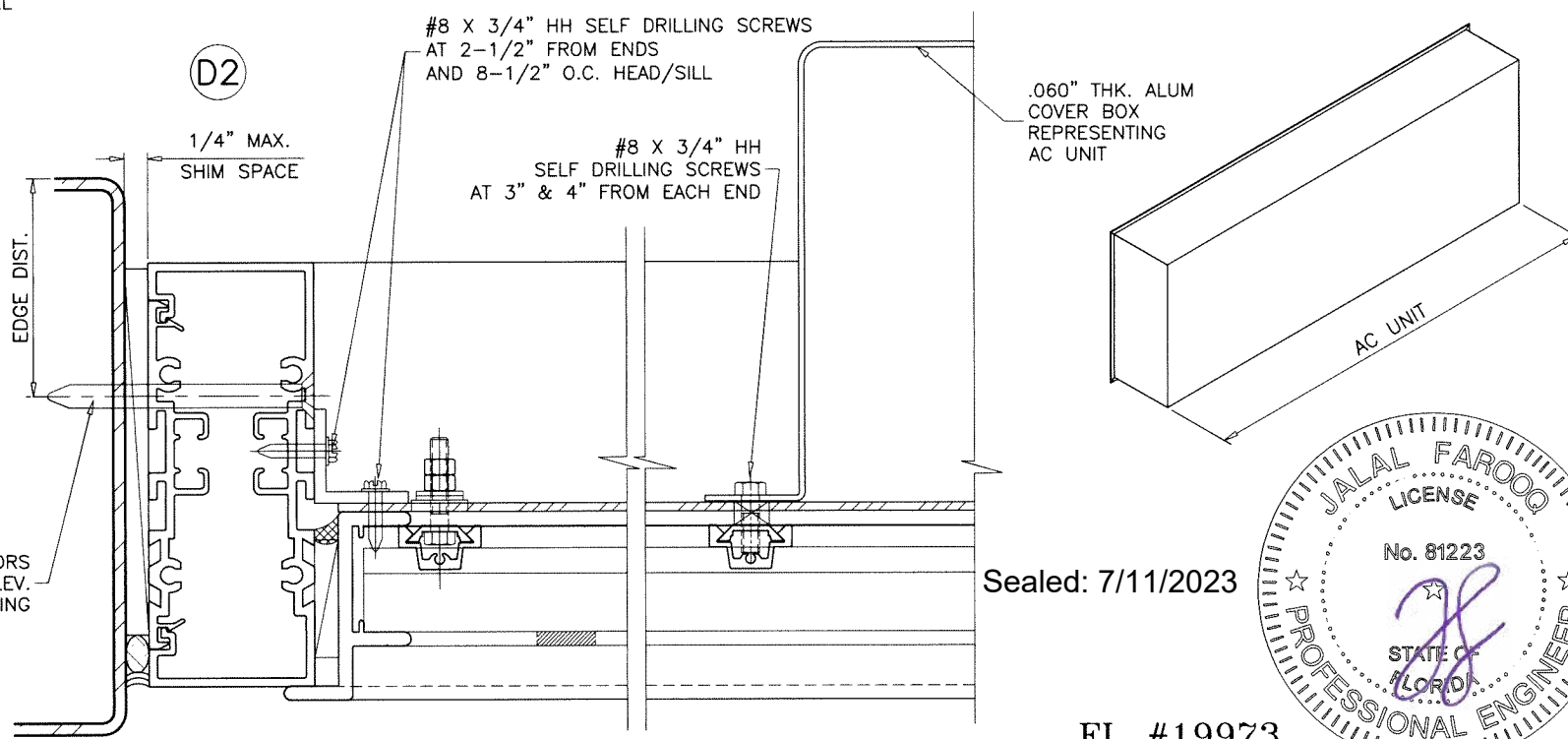
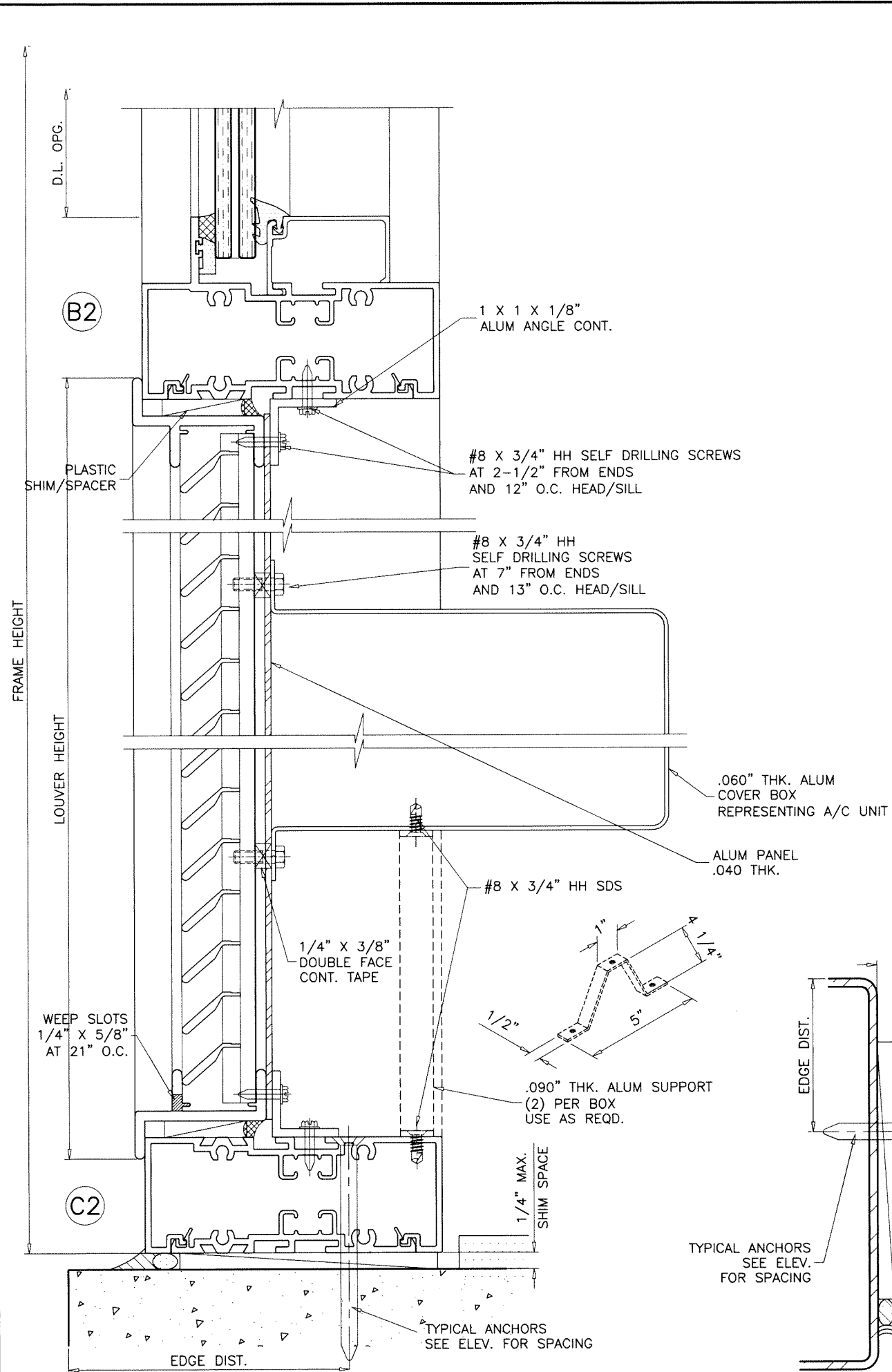
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no	date	by	description

date: 07-03-23
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no. **23-30F**
sheet 18 of 19



WINDOW WALL SYSTEM WITH LOUVERS TO ACCOMMODATE A/C UNIT
 USE ALUMINUM LOUVERS HOLDING CURRENT APPROVAL
 DETAILS FOR 'RELIABLE PRODUCTS' APPROVED LOUVERS SHOWN

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

COMP-ANL 23-30-AAG

SERIES SMI-090 ALUM WINDOW WALL (L.M.I.)

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drawing no.
23-30F
 sheet 19 of 19

