

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 2017 (6TH EDITION)/2020 (7TH 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 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 2017/2020 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)' FOR EQUIVALENT LOADS IN 'LOAD AND RESISTANCE FACTOR DESIGN (LRFD)' MULTIPLY 'ASD' LOADS BY 1.67 (ASD LOAD X 1.67 = LRFD LOAD).

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.

THIS SYSTEM IS NOT RATED FOR IMPACT.

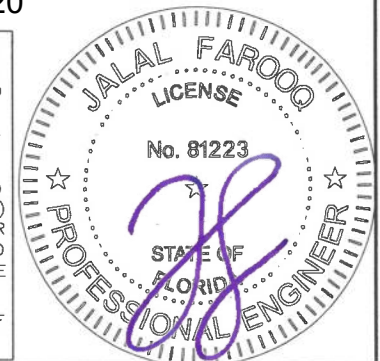
INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS.

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

Sealed: 7/24/2020

FL #25948.2

- 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.

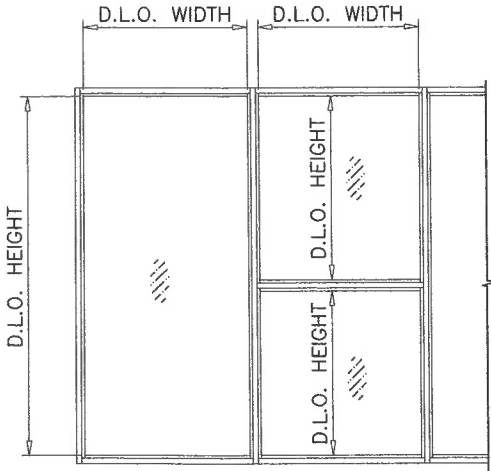


AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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(C.A.N. 3538)

SERIES SMI-090 ALUM WINDOW WALL (N.I.)
Aldora Aluminum & Glass Products Inc.
11500 MIRAMAR PARKWAY SUITE 300
MIRAMAR, FL. 33025
TEL. (305) 888-6288 FAX. (305) 888-6289

revisions:		no	date	by	description
		A	06.25.20		UPDATED TO 2020 FBC
date:	01-16-18	scale:	1/2"=1'-0"	dr. by:	TARIC
chk. by:					
drawing no.	18-17F				
sheet	1 of 10				

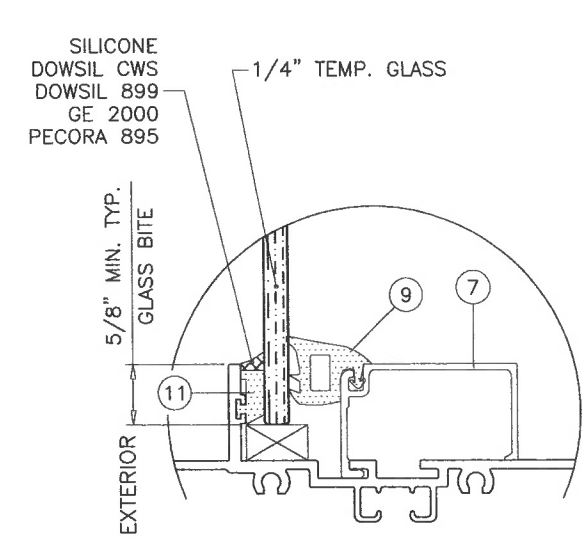
GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPES	
		'A'	'A1'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)
26-1/4"	84-1/2"	120.0	120.0
32-1/4"		120.0	120.0
38-1/4"		120.0	120.0
44-1/4"		120.0	120.0
50-1/4"		120.0	120.0
56-1/4"		120.0	120.0
26-1/4"	90-1/2"	120.0	120.0
32-1/4"		120.0	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



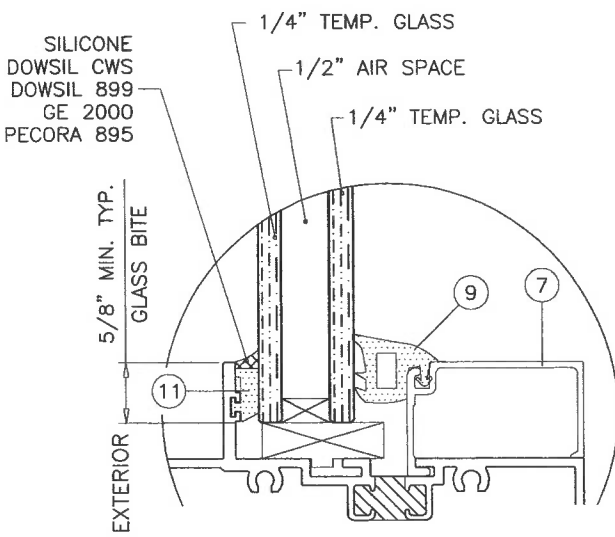
NOTE:
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

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 E1300-09 (3 SEC. GUSTS).

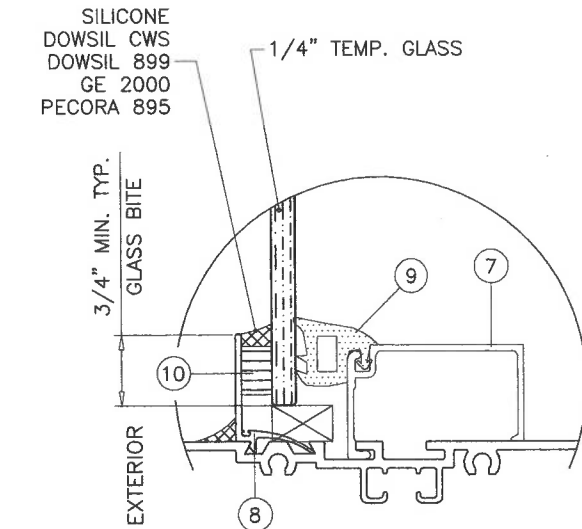


GLASS TYPE 'A'
MONOLITHIC GLASS

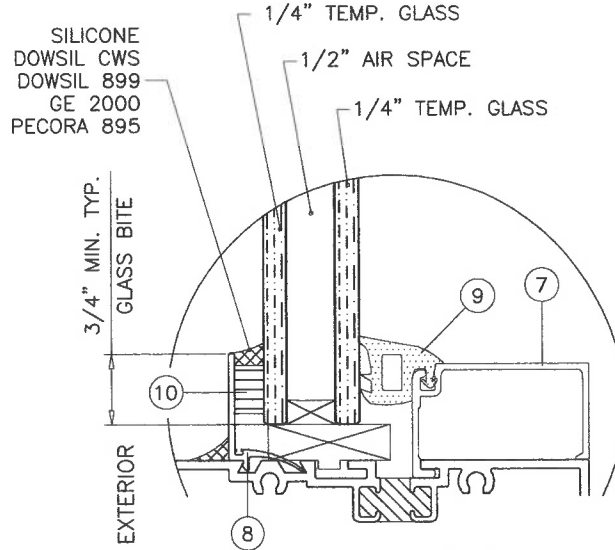


GLASS TYPE 'A1'
1" OVERALL INSUL. GLASS

GLAZING OPTIONS INTERIOR GLAZED



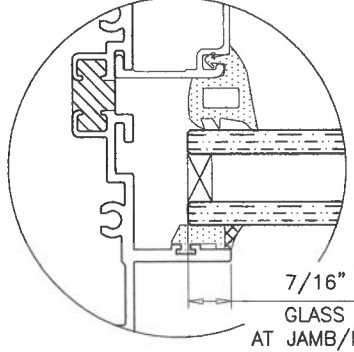
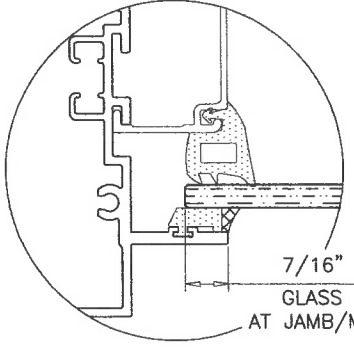
GLASS TYPE 'A'
MONOLITHIC GLASS



GLASS TYPE 'A1'
1" OVERALL INSUL. GLASS

GLAZING OPTIONS EXTERIOR GLAZED

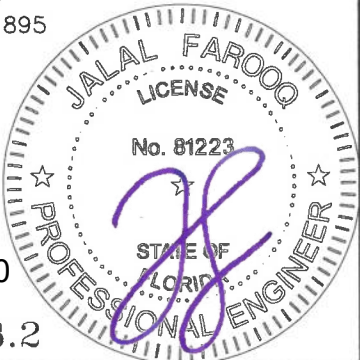
NOTE:
WINDOW WALL FRAMES AT INSULATED GLASS OPTION
MAY BE WITH OR WITHOUT THERMAL BREAK.



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

GLASS

Sealed: 7/24/2020
FL #25948.2



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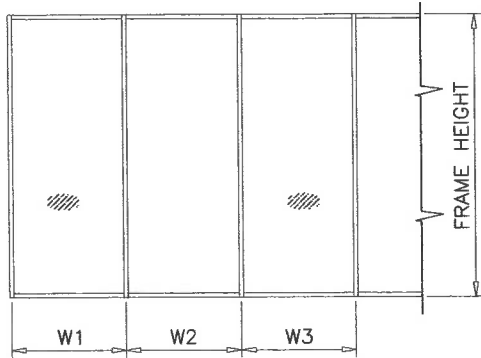
Aldora Aluminum & Glass Products Inc.
11500 MIRAMAR PARKWAY SUITE 300
MIRAMAR, FL. 33025
TEL. (305) 888-6288 FAX. (305) 888-6289

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'
WIDTH (W)	FRAME HEIGHT	MULLION 'M1'	MULLION 'M2'	MULLION 'M3'
		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
54"		-	-	-
60"		-	-	-
30"	114"	44.9	120.0	120.0
36"		37.9	111.6	120.0
42"		-	97.1	114.5
48"		-	-	101.6
54"		-	-	-
60"		-	-	-
30"	120"	38.4	113.1	120.0
36"		32.4	95.3	118.7
42"		-	82.8	102.8
48"		-	-	91.1
54"		-	-	-
60"		-	-	-
30"	126"	33.1	97.5	120.0
36"		-	82.1	107.4
42"		-	-	92.9
48"		-	-	-
54"		-	-	-
60"		-	-	-
30"	132"	-	84.6	116.3
36"		-	71.2	97.6
42"		-	-	84.4
48"		-	-	-
54"		-	-	-
60"		-	-	-
30"	138"	-	73.9	106.2
36"		-	62.1	89.1
42"		-	-	-
48"		-	-	-
54"		-	-	-
60"		-	-	-
30"	144"	-	65.0	97.4
36"		-	54.6	81.7
42"		-	-	-
48"		-	-	-
54"		-	-	-
60"		-	-	-



WIDTH (W) = W1

AT FRAME JAMB

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

AT FRAME MULLION

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 Ix ALUM + Ix STL X 2.9	15.657	

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 Ix ALUM + Ix STL X 2.9	14.8679	



MULLIONS

Sealed: 7/24/2020

FL #25948.2

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revisions:

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dr. by: TARIQ.

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drawing no.

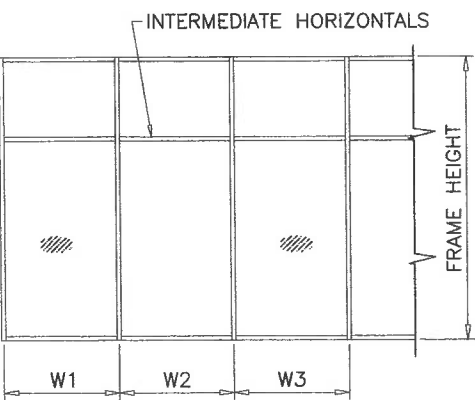
18-17F

sheet 3 of 10

NOTE:

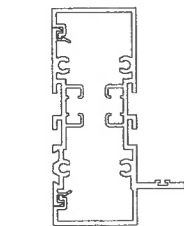
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

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"		-	-	-



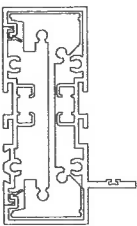
WIDTH (W) = W1
AT FRAME JAMB

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



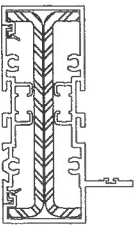
JAMB 'J1'

Ix IN ⁴	Sx IN ³
3.634	1.720



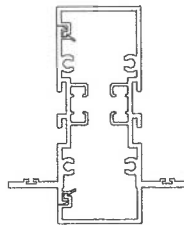
JAMB 'J2'

Ix IN ⁴	Sx IN ³
9.241	4.375



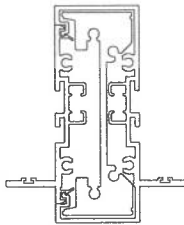
JAMB 'J3'

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



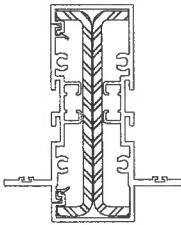
MULLION 'M1'

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		
Ix ALUM + Ix STL X 2.9	14.8679	

MULLIONS

Sealed: 7/24/2020

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date: 01-16-18	scale: -	dr. by: TARIQ	chk. by:
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drawing no.
18-17F
sheet 4 of 10

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
54"		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
54"		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"		46.3	70.0	95.0	72.6	110.0	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'

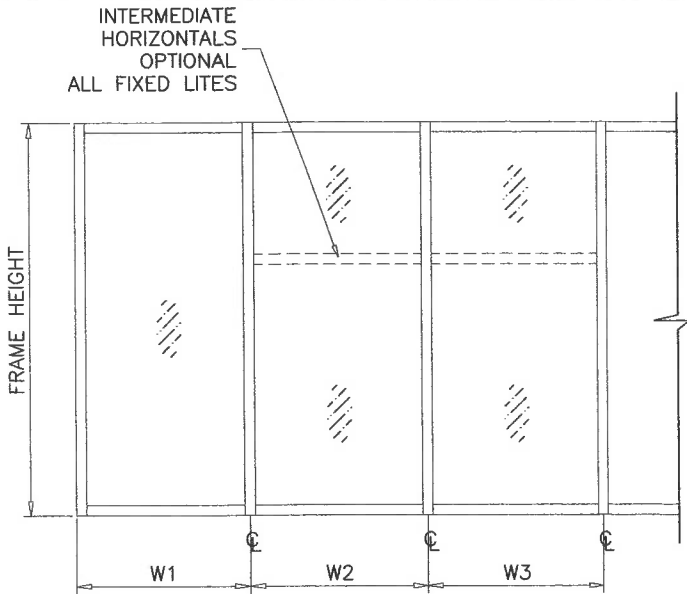
#14 SMS OR SELF DRILLING SCREWS ST/ST (GRADE 2 CRS)
 INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 3/4" MIN.

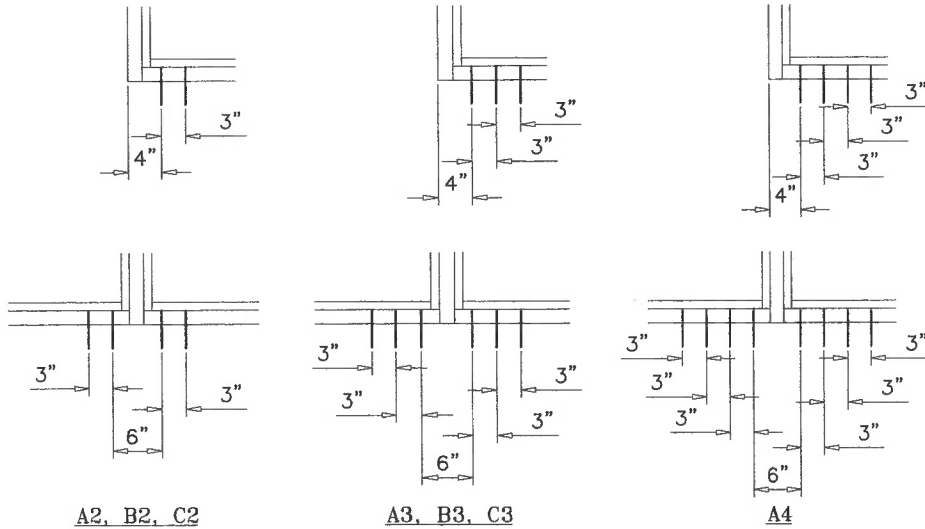
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

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

Sealed: 7/24/2020

ANCHORS

FL #25948.2



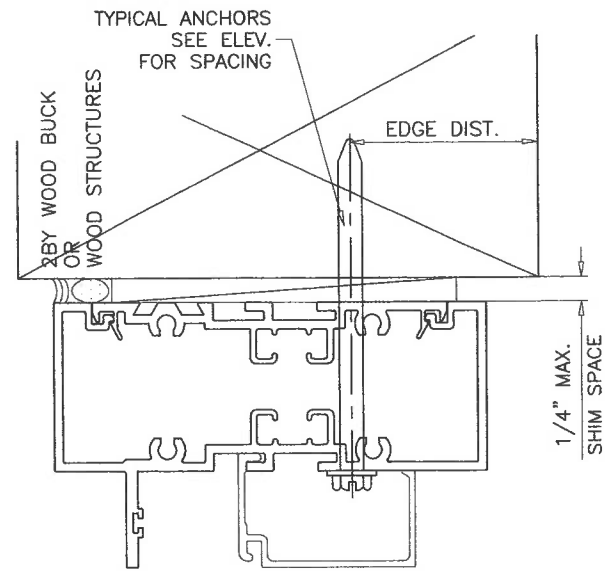
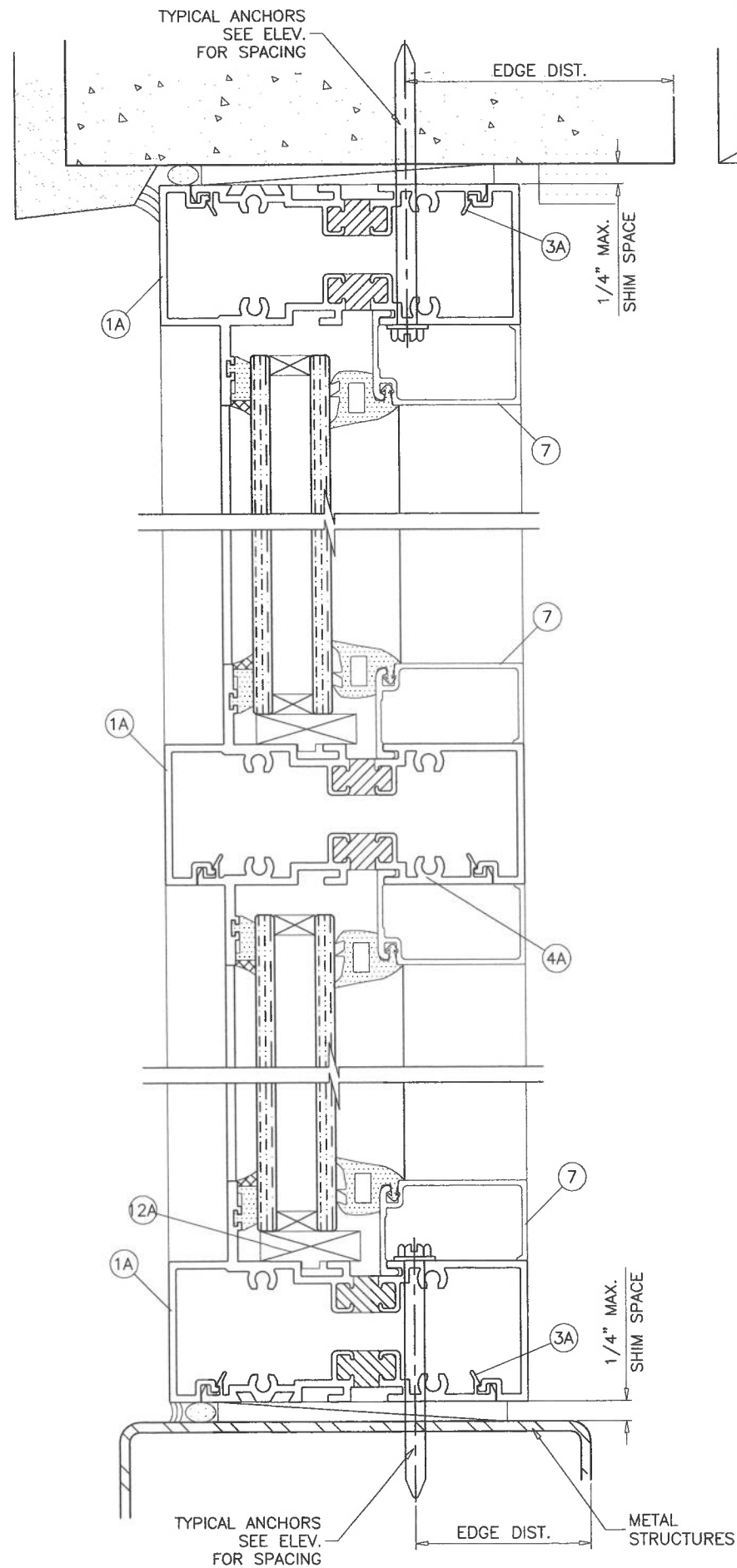
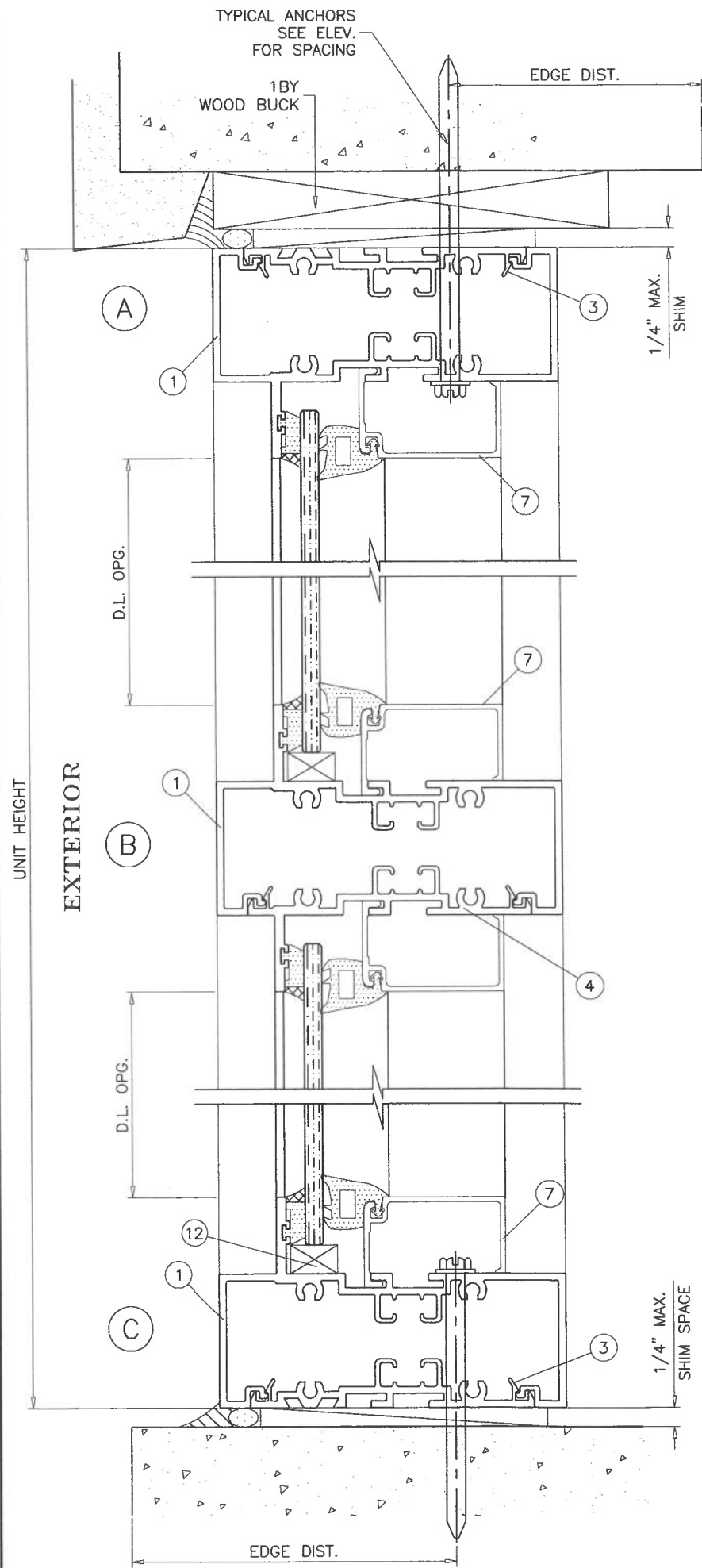
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 (C.A.N. 3538)

SERIES SMI-090 ALUM WINDOW WALL (N.I.)
Aldora Aluminum & Glass Products Inc.
 11500 MIRAMAR PARKWAY SUITE 300
 MIRAMAR, FL. 33025
 TEL. (305) 888-6288 FAX. (305) 888-6289

revisions:	no	date	by	description

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 chk. by:

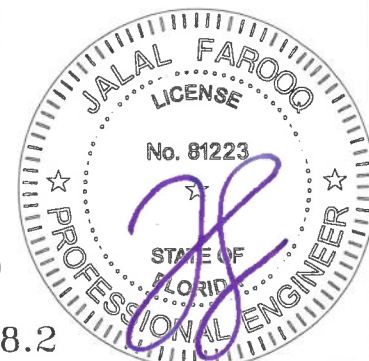
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18-17F
 sheet 5 of 10



INTERIOR GLAZED

Sealed: 7/24/2020

FL #25948.2



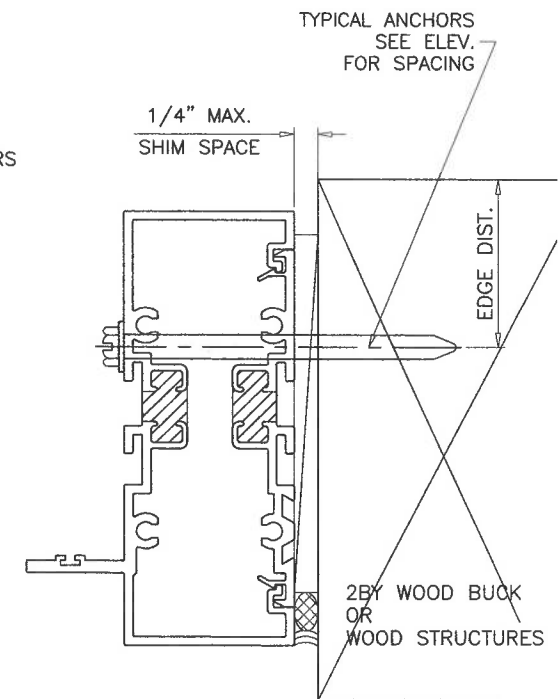
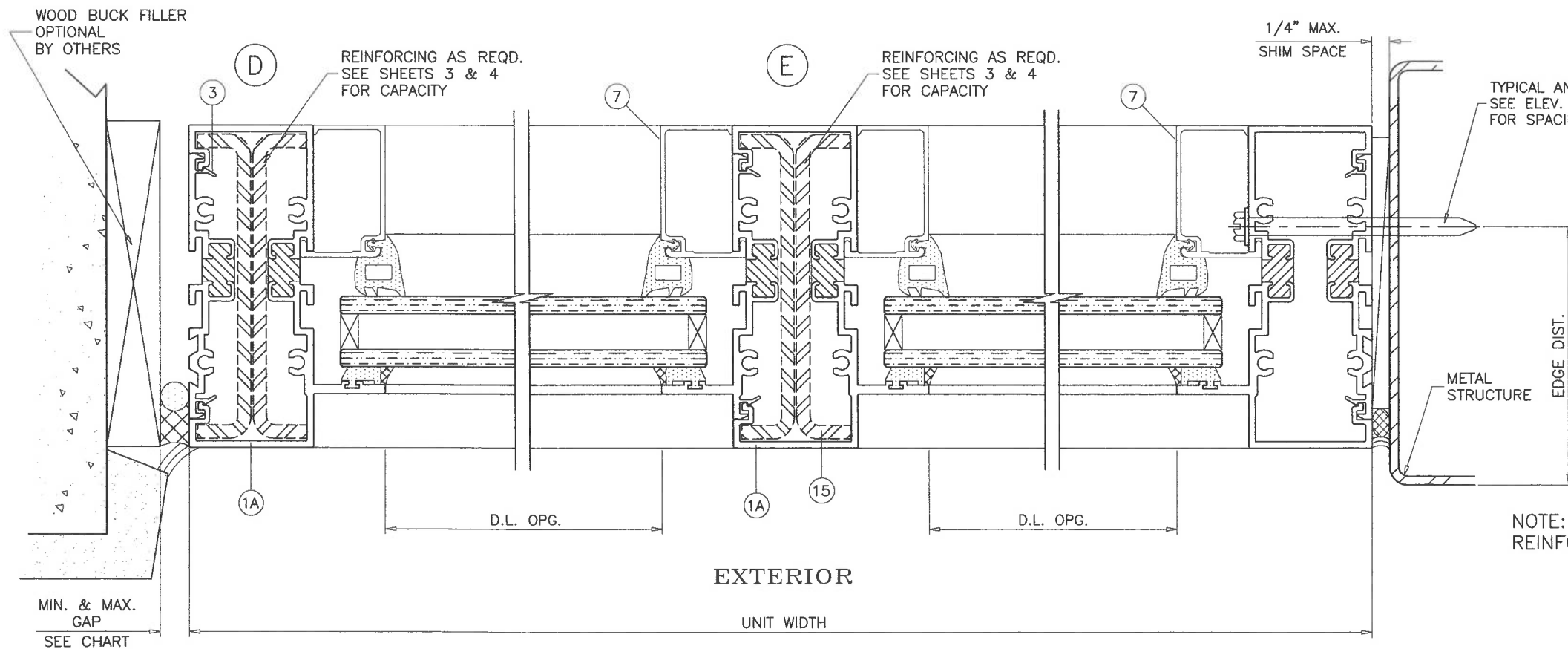
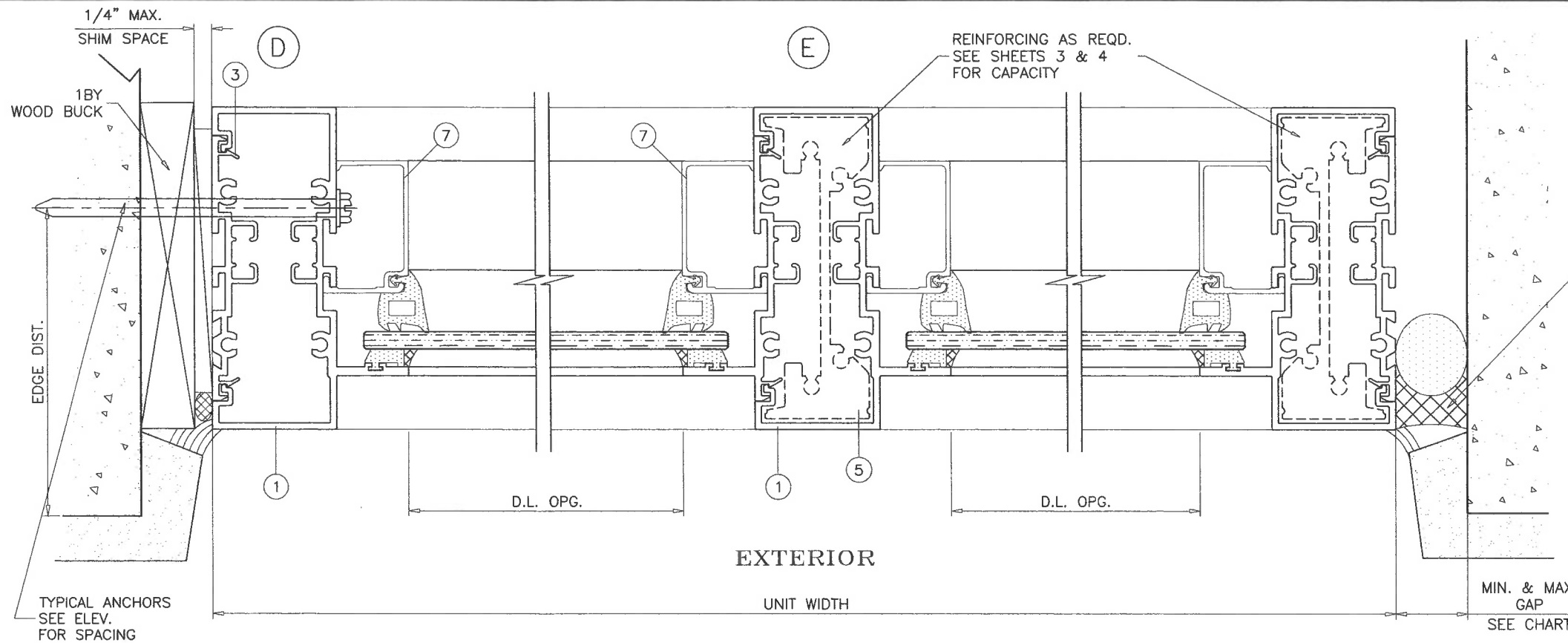
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revisions:	
no	date by description

date: 01-16-18	scale: 1/2" = 1"	dr. by: TARIQ	chk. by:
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drawing no.
18-17F
 sheet 6 of 10

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL 18-17F-AGP

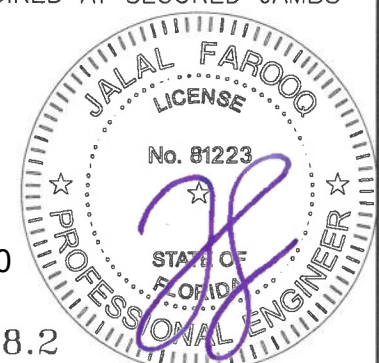


NOTE: REINFORCINGS NOT REQUIRED AT SECURED JAMBS

INTERIOR OR EXTERIOR GLAZED

Sealed: 7/24/2020

FL #25948.2

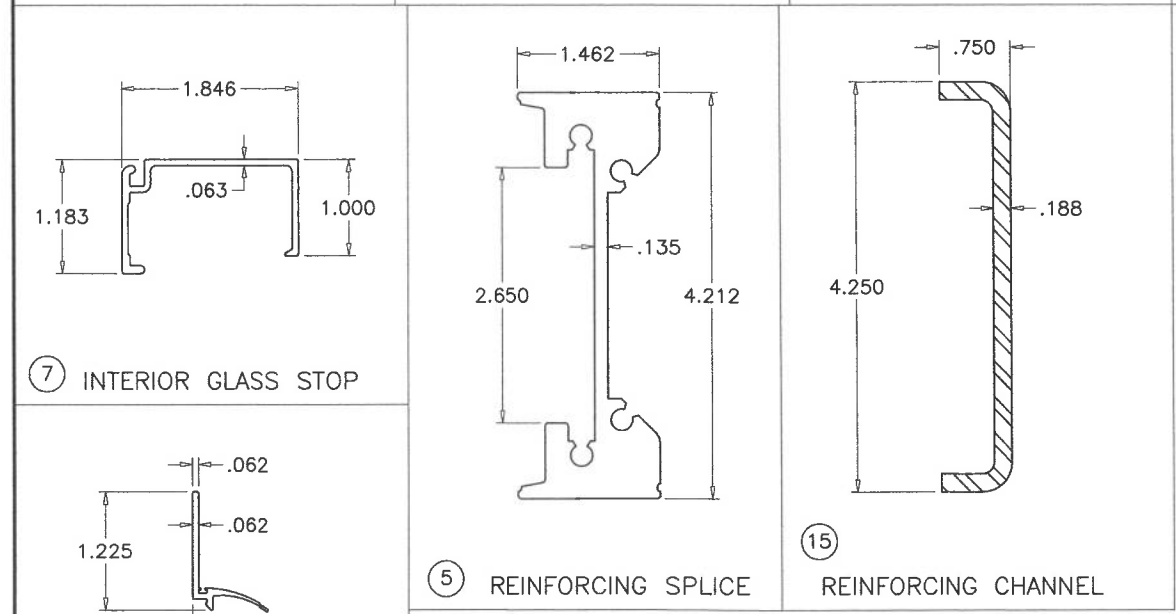
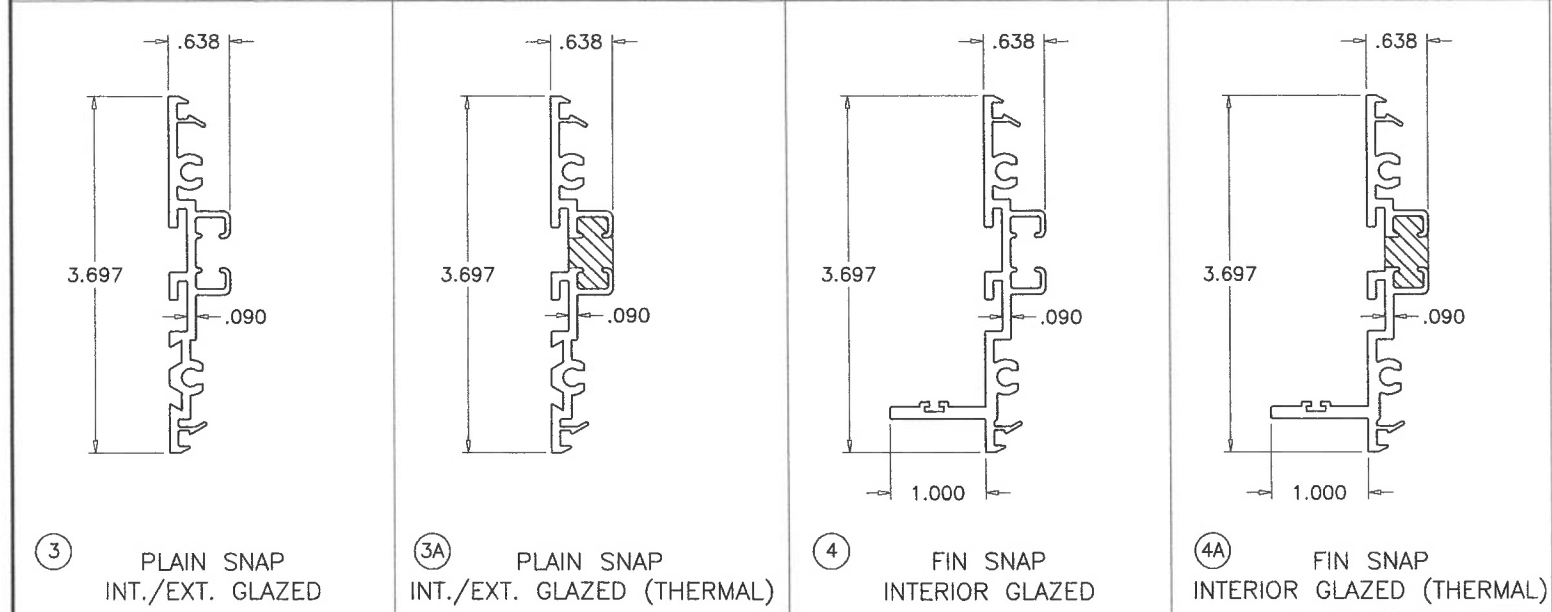
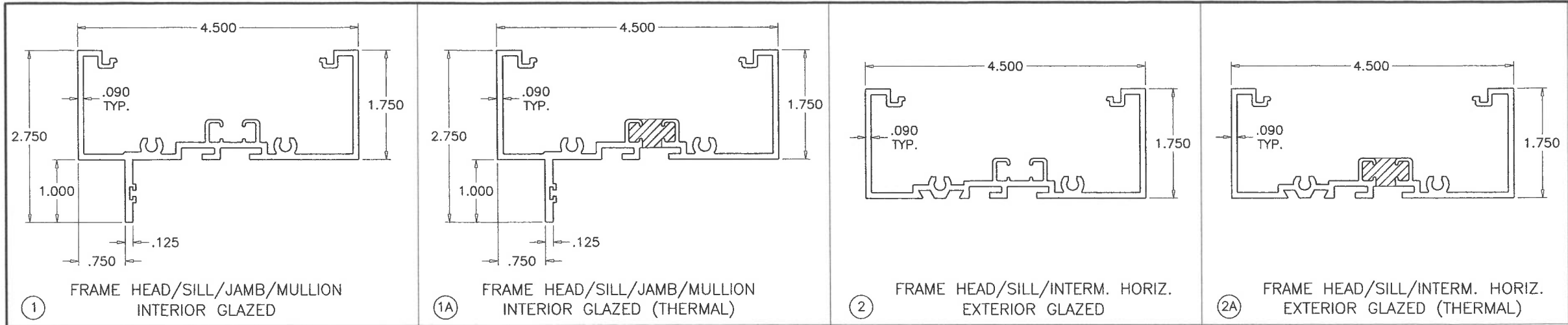


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 (C.A.N. 3538)

SERIES SMI-090 ALUM WINDOW WALL (N.I.)
Aldora Aluminum & Glass Products Inc.
 11500 MIRAMAR PARKWAY SUITE 300
 MIRAMAR, FL. 33025
 TEL. (305) 888-6288
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revisions:		by description	
no	date		

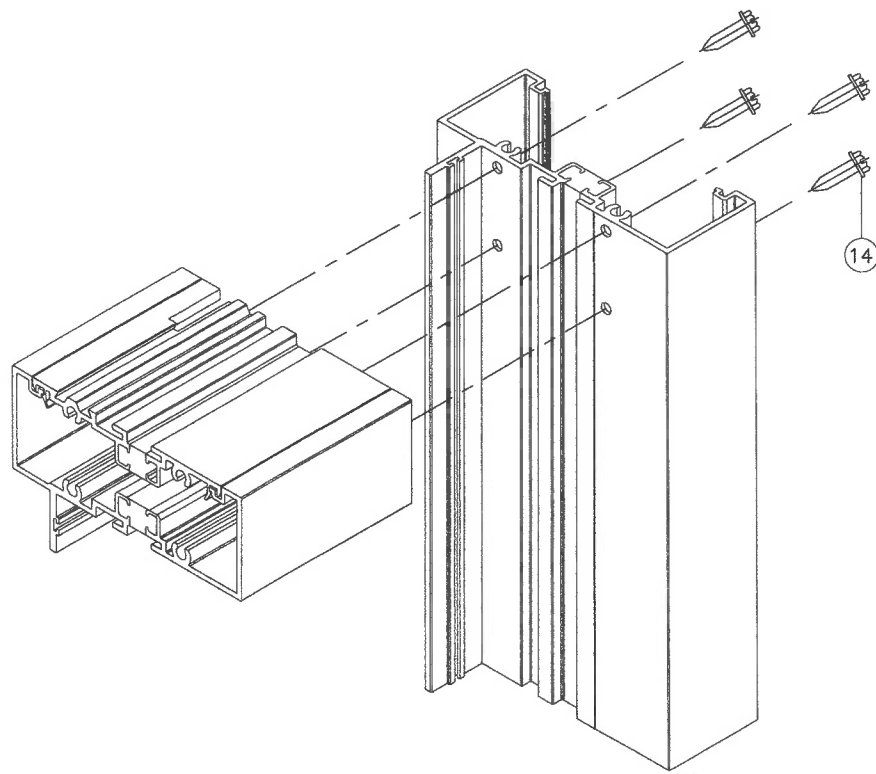
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 chk. by:
 drawing no.
18-17F
 sheet 8 of 10



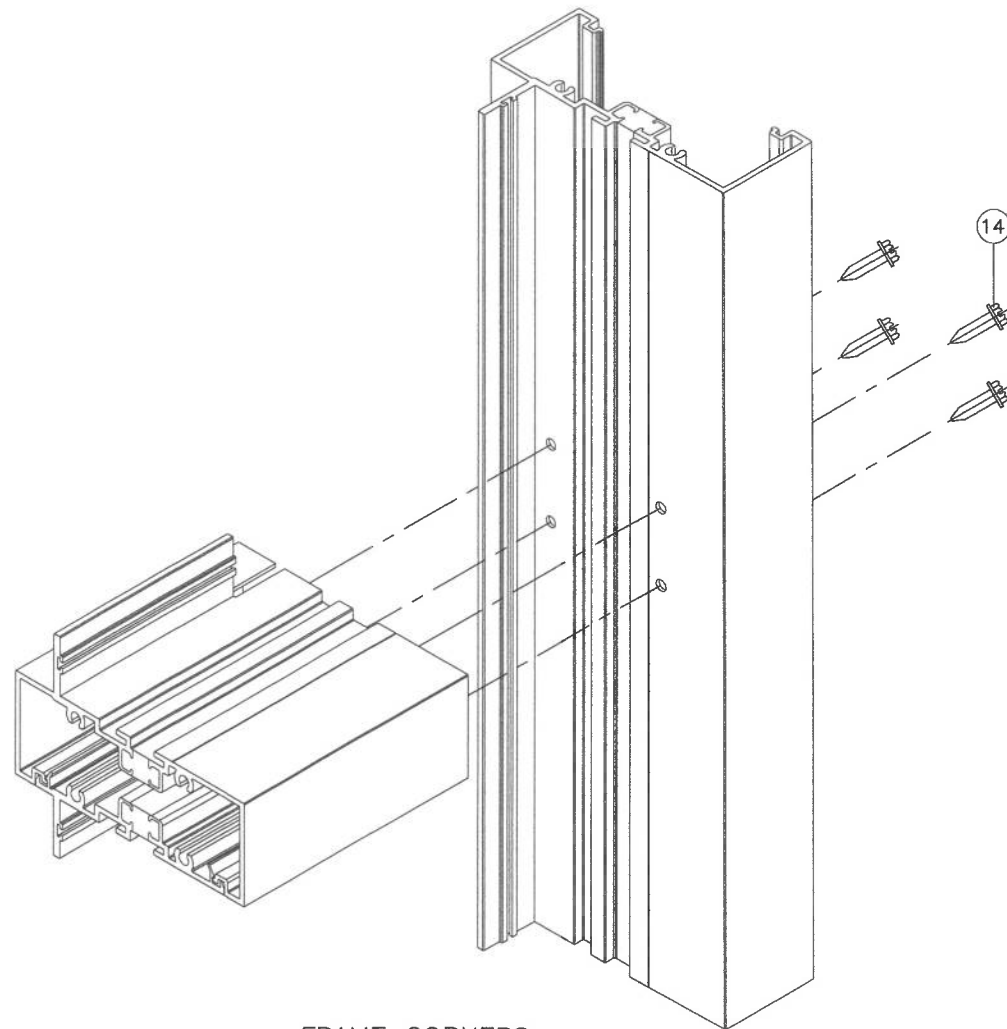
Sealed: 7/24/2020
FL #25948.2

AL-FAROOQ CORPORATION
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COMP-ANL 18-17F-AGP

SERIES SMI-090 ALUM WINDOW WALL (N.I.)																												
Aldora Aluminum & Glass Products Inc. 11500 MIRAMAR PARKWAY SUITE 300 MIRAMAR, FL. 33025 TEL. (305) 888-6288 FAX. (305) 888-6289																												
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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	-



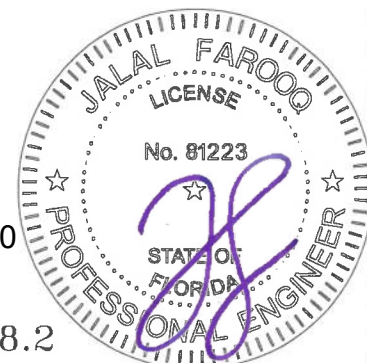
FRAME CORNERS

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.

Sealed: 7/24/2020

FL #25948.2



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