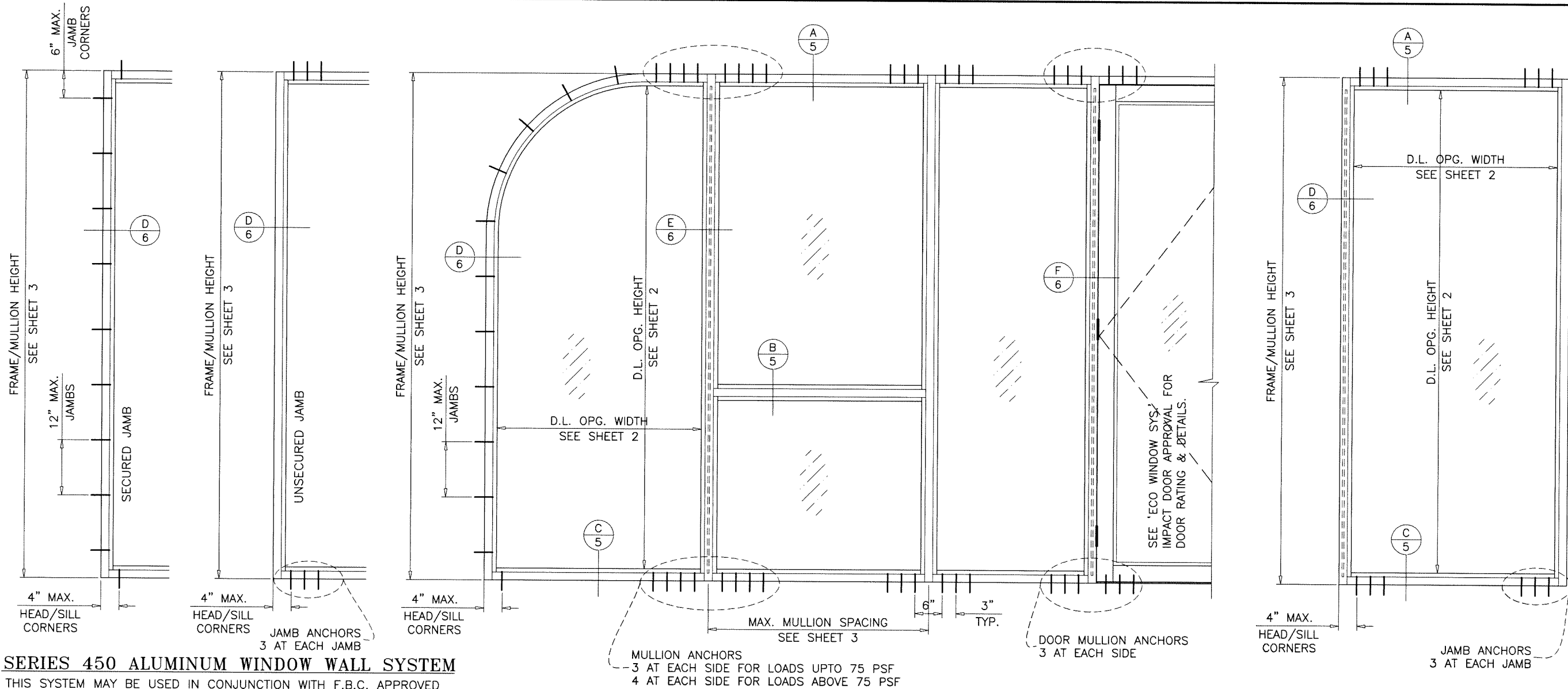




SERIES 450 ALUMINUM WINDOW WALL SYSTEM

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH F.B.C. APPROVED LARGE MISSILE IMPACT RESISTANT DOORS.

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

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 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 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)'.

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

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** CHECK GLASS CAPACITY TABLE ON SHEET 2 FOR GLASS TYPE, GLASS DIMENSIONS (WIDTH & HEIGHT) AND PRESSURE CAPACITY. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 3** CHECK WINDOW WALL SYSTEM CAPACITY FOR DESIRED HEIGHT AND MULLION SPACING USING CHARTS ON SHEET 3. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** FOR SYSTEMS WITH UNANCHORED JAMBS, USING SHEET 6 DETERMINE THE MIN. & MAX. GAP DIMENSIONS.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.
- STEP 6** WHEN USING THIS SYSTEM WITH DOORS, THE LOWER VALUE OF THE DESIGN PRESSURE RATING FOR THE SYSTEM AND THE DOOR SHALL APPLY.

- 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.

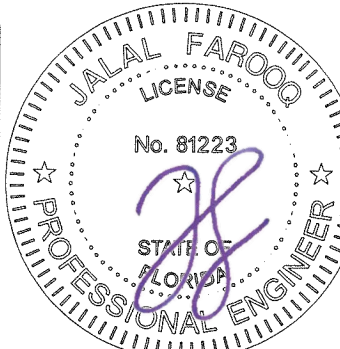
PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

LARGE MISSILE IMPACT

Sealed: 2/15/2021

FL #28367



af c

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 450 ALUM WINDOW WALL SYSTEM (L.M.I.)
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th STREET
MEDLEY, FL. 33166
TEL. (305) 885-5299 FAX (305) 885-5902

no	date	by	description
A	09.24.20		UPDATED TO 2020 FBC
B	01.14.21		NEW TEST ADDED

date:	09-03-18
scale:	1/2"=1'-0"
dr. by:	TARIQ
chk. by:	

drawing no.

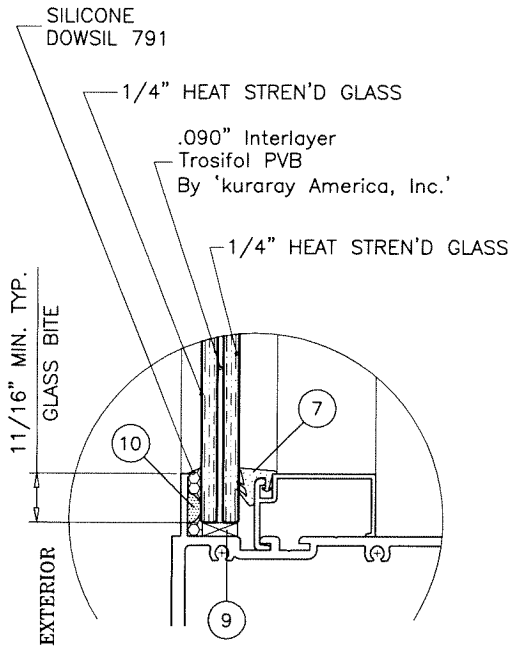
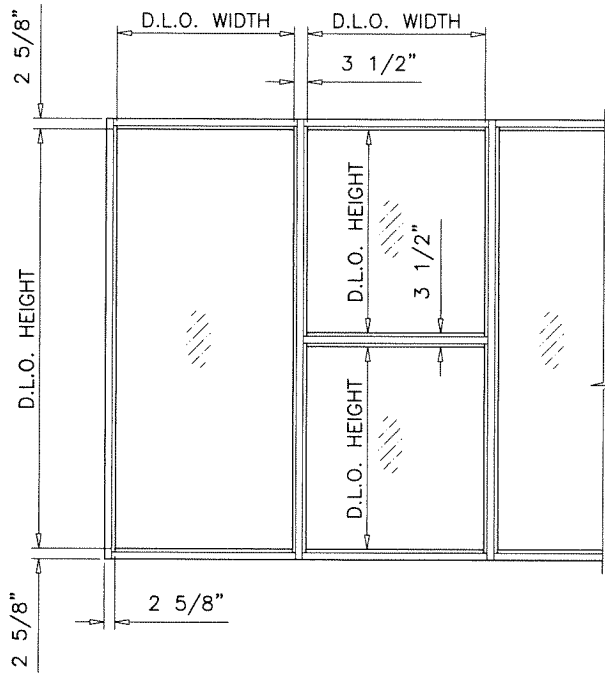
18-116F

sheet 1 of 8

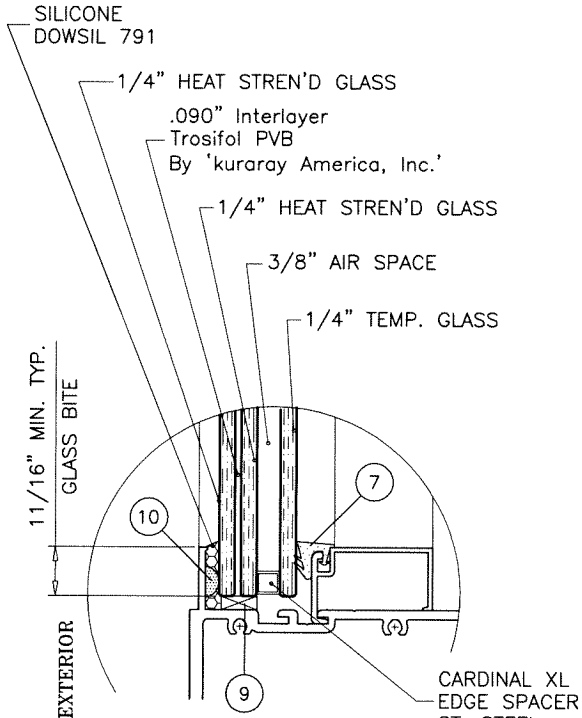
STORE\18-116F-ECO

GLASS LOAD CAPACITY - PSF					
NOMINAL DIMS.		GLASS TYPES 'G1L' & 'G1i'		GLASS TYPE 'G2L'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30-3/4"	78-3/4"	70.0	75.0	80.0	90.0
33-3/4"		70.0	75.0	80.0	90.0
36-3/4"		70.0	75.0	80.0	90.0
39-3/4"		70.0	75.0	80.0	90.0
42-3/4"		70.0	75.0	80.0	90.0
45-3/4"		65.9	70.6	80.0	90.0
48-3/4"		62.2	66.7	80.0	90.0
51-3/4"		58.9	63.2	80.0	90.0
54-3/4"		56.0	60.0	80.0	90.0
57-3/4"		-	-	76.2	85.7
60-3/4"		-	-	72.7	81.8
30-3/4"	84-3/4"	70.0	75.0	80.0	90.0
33-3/4"		70.0	75.0	80.0	90.0
36-3/4"		70.0	75.0	80.0	90.0
39-3/4"		70.0	75.0	80.0	90.0
42-3/4"		70.0	75.0	80.0	90.0
45-3/4"		65.9	70.6	80.0	90.0
48-3/4"		62.2	66.7	80.0	90.0
51-3/4"		58.9	63.2	80.0	90.0
54-3/4"		-	-	80.0	90.0
57-3/4"		-	-	76.2	85.7
30-3/4"	90-3/4"	70.0	75.0	80.0	90.0
33-3/4"		70.0	75.0	80.0	90.0
36-3/4"		70.0	75.0	80.0	90.0
39-3/4"		70.0	75.0	80.0	90.0
42-3/4"		70.0	75.0	80.0	90.0
45-3/4"		65.9	70.6	80.0	90.0
48-3/4"		62.2	66.7	80.0	90.0
51-3/4"		-	-	80.0	90.0
54-3/4"		-	-	80.0	90.0
30-3/4"	96-3/4"	70.0	75.0	-	-
33-3/4"		70.0	75.0	-	-
36-3/4"		70.0	75.0	-	-
39-3/4"		70.0	75.0	-	-
42-3/4"		70.0	75.0	-	-
30-3/4"	102-3/4"	70.0	75.0	-	-
33-3/4"		70.0	75.0	-	-
36-3/4"		70.0	75.0	-	-
39-3/4"		70.0	75.0	-	-
42-3/4"		70.0	75.0	-	-

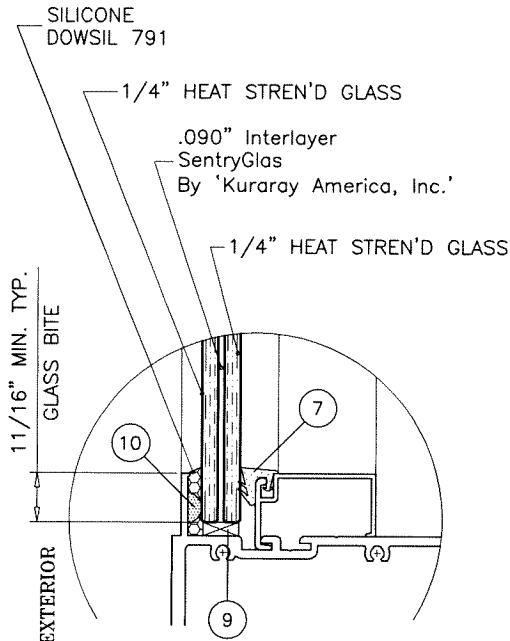
INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



GLASS TYPE G1L



GLASS TYPE G1i



GLASS TYPE G2L

GLAZING OPTIONS

GLASS

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

Sealed: 2/15/2021
FL #28367



afcc

AL-FAROOQ CORPORATION
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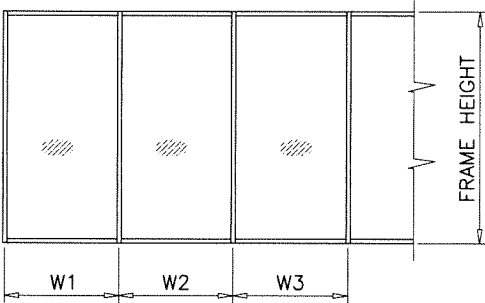
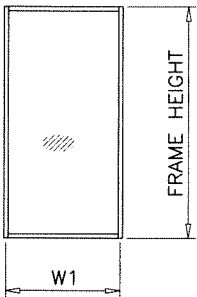
revisions:	
no	by description

date: 09-03-18	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
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drawing no.
18-116F
sheet 2 of 8

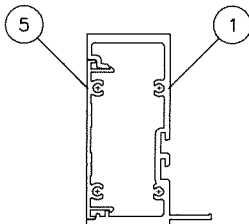
STORE\18-116F-ECO

JAMB & MULLION LOAD CAPACITY - PSF							
JAMBS & MULLIONS WITHOUT INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB 'J1'		MULL 'M1'		MULL 'M2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36"	84"	70.0	75.0	70.0	75.0	80.0	90.0
39"		70.0	75.0	70.0	75.0	80.0	90.0
42"		70.0	75.0	70.0	75.0	80.0	90.0
45"		70.0	75.0	70.0	75.0	80.0	90.0
48"		70.0	75.0	70.0	75.0	80.0	90.0
51"		70.0	75.0	70.0	75.0	80.0	90.0
54"		70.0	75.0	70.0	75.0	80.0	90.0
57"		70.0	75.0	-	-	80.0	90.0
60"	90"	70.0	75.0	-	-	80.0	90.0
63"		-	-	-	-	80.0	90.0
66"		-	-	-	-	80.0	90.0
36"		70.0	75.0	70.0	75.0	80.0	90.0
39"		70.0	75.0	70.0	75.0	80.0	90.0
42"		70.0	75.0	70.0	75.0	80.0	90.0
45"		70.0	75.0	70.0	75.0	80.0	90.0
48"		70.0	75.0	70.0	75.0	80.0	90.0
51"		70.0	75.0	70.0	75.0	80.0	90.0
54"		70.0	75.0	-	-	80.0	90.0
57"		70.0	75.0	-	-	80.0	90.0
60"		-	-	-	-	80.0	90.0
36"	96"	70.0	75.0	70.0	75.0	80.0	90.0
39"		70.0	75.0	70.0	75.0	80.0	90.0
42"		70.0	75.0	70.0	75.0	80.0	90.0
45"		70.0	75.0	70.0	74.5	80.0	90.0
48"		70.0	75.0	70.0	70.7	80.0	90.0
51"		70.0	75.0	-	-	80.0	90.0
54"		70.0	75.0	-	-	80.0	90.0
57"		-	-	-	-	80.0	86.9
58-3/4"		-	-	-	-	80.0	85.0
36"	102"	70.0	75.0	-	-	70.0	75.0
39"		70.0	75.0	-	-	70.0	75.0
42"		70.0	75.0	-	-	70.0	75.0
45"		70.0	75.0	-	-	70.0	75.0
48"		70.0	75.0	-	-	70.0	75.0
36"	108"	70.0	75.0	-	-	70.0	75.0
39"		70.0	75.0	-	-	70.0	75.0
42"		70.0	75.0	-	-	70.0	75.0
45"		70.0	75.0	-	-	70.0	75.0
48"		70.0	75.0	-	-	70.0	75.0



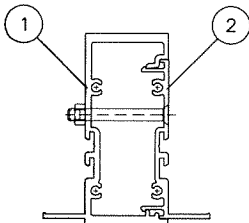
WIDTH (W) = W1
AT FRAME JAMB

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



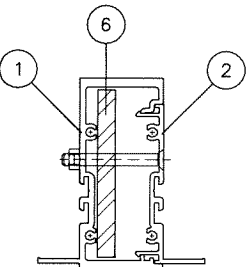
UNSECURED JAMB 'J1'

Ix IN^4	Sx IN^3
4.155	2.02



MULLION 'M1'

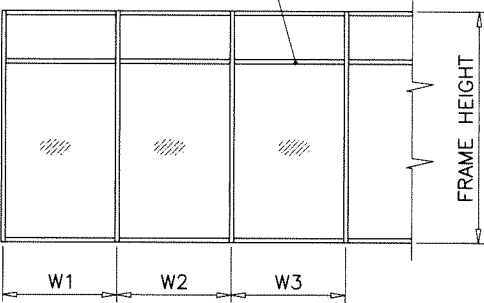
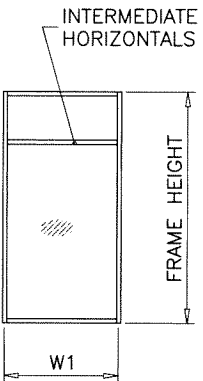
Ix IN^4	Sx IN^3
4.3758	2.1274



MULLION 'M2'

	Ix IN^4	Sx IN^3
ALUMINUM	4.3758	2.1274
STEEL	1.2058	.7656
TOTAL	7.4004	
Ix ALUM + Ix STL X 2.9		

JAMB & MULLION LOAD CAPACITY - PSF							
JAMBS & MULLIONS WITH INTERMEDIATE HORIZONTALS							
NOMINAL DIMS.		JAMB 'J1'		MULL 'M1'		MULL 'M2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36"	84"	70.0	75.0	70.0	75.0	80.0	90.0
39"		70.0	75.0	70.0	75.0	80.0	90.0
42"		70.0	75.0	70.0	75.0	80.0	90.0
45"		70.0	75.0	70.0	75.0	80.0	90.0
48"		70.0	75.0	70.0	75.0	80.0	90.0
51"		70.0	75.0	70.0	75.0	80.0	90.0
54"		70.0	75.0	70.0	75.0	80.0	90.0
57"		70.0	75.0	-	-	80.0	90.0
60"	90"	70.0	75.0	-	-	80.0	90.0
63"		-	-	-	-	80.0	90.0
66"		-	-	-	-	80.0	86.7
36"		70.0	75.0	70.0	75.0	80.0	90.0
39"		70.0	75.0	70.0	75.0	80.0	90.0
42"		70.0	75.0	70.0	75.0	80.0	90.0
45"		70.0	75.0	70.0	75.0	80.0	90.0
48"		70.0	75.0	70.0	75.0	80.0	90.0
51"		70.0	75.0	70.0	73.0	80.0	90.0
54"		70.0	75.0	-	-	80.0	90.0
57"		70.0	75.0	-	-	80.0	87.5
60"		-	-	-	-	80.0	83.1
36"	96"	70.0	75.0	70.0	75.0	80.0	90.0
39"		70.0	75.0	70.0	75.0	80.0	90.0
42"		70.0	75.0	70.0	73.1	80.0	90.0
45"		70.0	75.0	68.2	68.2	80.0	90.0
48"		70.0	75.0	63.9	63.9	80.0	90.0
51"		70.0	75.0	-	-	80.0	85.9
54"		70.0	75.0	-	-	80.0	81.1
57"		-	-	-	-	76.9	76.9
58-3/4"		-	-	-	-	74.6	74.6
36"	102"	70.0	75.0	-	-	70.0	75.0
39"		70.0	75.0	-	-	70.0	75.0
42"		70.0	75.0	-	-	70.0	75.0
45"		70.0	75.0	-	-	70.0	75.0
48"		70.0	75.0	-	-	70.0	75.0
36"	108"	70.0	75.0	-	-	70.0	75.0
39"		70.0	75.0	-	-	70.0	75.0
42"		70.0	75.0	-	-	70.0	75.0
45"		70.0	75.0	-	-	70.0	75.0
48"		70.0	72.7	-	-	70.0	72.7



WIDTH (W) = W1
AT FRAME JAMB

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



MULLION

Sealed: 2/15/2021
FL #28367

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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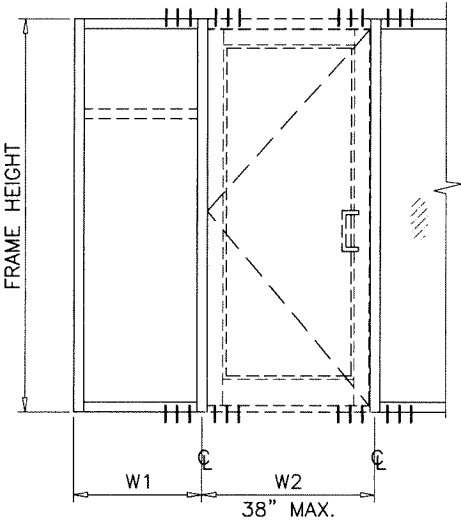
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revisions:
no date by description

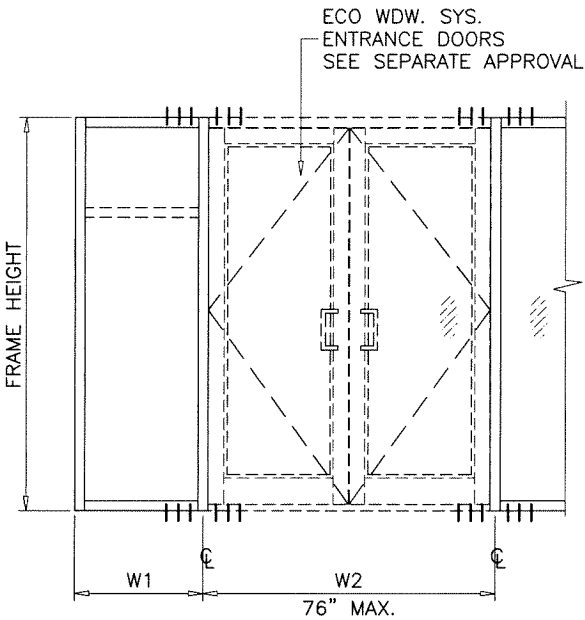
date: 09-03-18
scale: -
dr. by: TARIQ
chk. by:

drawing no.
18-116F
sheet 3 of 8

DOOR MULLION LOAD CAPACITY					
NOMINAL DIMS.		WITHOUT REINF.		WITH REINF.	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
37"	84"	70.0	75.0	70.0	75.0
38-1/2"		70.0	75.0	70.0	75.0
40"		70.0	75.0	70.0	75.0
41-1/2"		70.0	75.0	70.0	75.0
43"		70.0	75.0	70.0	75.0
44-1/2"		70.0	75.0	70.0	75.0
46"		70.0	75.0	70.0	75.0
47-1/2"		70.0	75.0	70.0	75.0
49"		70.0	74.8	70.0	75.0
37"	90"	70.0	75.0	70.0	75.0
38-1/2"		70.0	75.0	70.0	75.0
40"		70.0	75.0	70.0	75.0
41-1/2"		70.0	75.0	70.0	75.0
43"		70.0	74.3	70.0	75.0
44-1/2"		70.0	71.8	70.0	75.0
46"		-	-	70.0	75.0
47-1/2"		-	-	70.0	75.0
49"		-	-	70.0	75.0
37"	96"	70.0	74.0	70.0	75.0
38-1/2"		70.0	71.1	70.0	75.0
40"		68.5	68.5	70.0	75.0
41-1/2"		66.0	66.0	70.0	75.0
43"		63.7	63.7	70.0	75.0
44-1/2"		-	-	70.0	75.0
46"		-	-	70.0	75.0
47-1/2"		-	-	70.0	75.0
37"	102"	-	-	70.0	75.0
38-1/2"		-	-	70.0	75.0
40"		-	-	70.0	75.0
41-1/2"		-	-	70.0	75.0
43"		-	-	70.0	75.0
44-1/2"		-	-	70.0	75.0
37"	108"	-	-	70.0	75.0
38-1/2"		-	-	70.0	75.0
40"		-	-	70.0	75.0
41-1/2"		-	-	70.0	75.0
43"		-	-	70.0	75.0

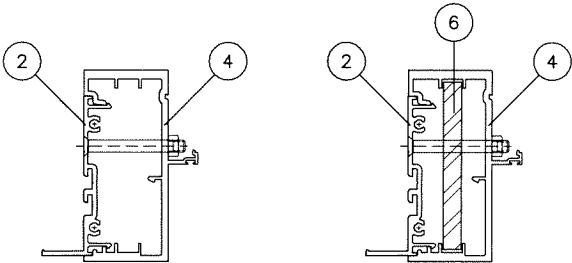


WIDTH (W) = $\frac{W1 + W2}{2}$



WIDTH (W) = $\frac{W1}{2} + \frac{W2}{4}$

ECO WDW. SYS.
ENTRANCE DOORS
SEE SEPARATE APPROVAL



DOOR MULLION
WITHOUT REINF.

Ix IN^4	Sx IN^3
3.9038	1.8241

DOOR MULLION
WITH REINF.

	Ix IN^4	Sx IN^3
ALUMINUM	3.9038	1.8241
STEEL	1.3398	3.6217
TOTAL	7.7507	
Ix ALUM + Ix STL X 2.9		

DOOR MULLION

Sealed: 2/15/2021
FL #28367



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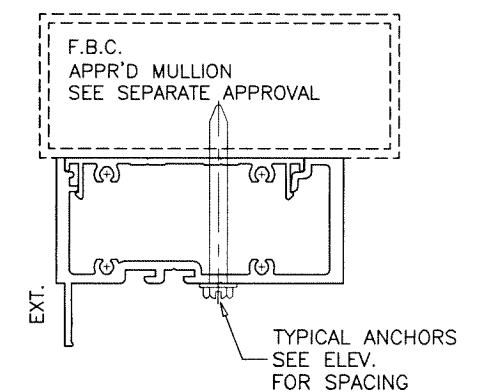
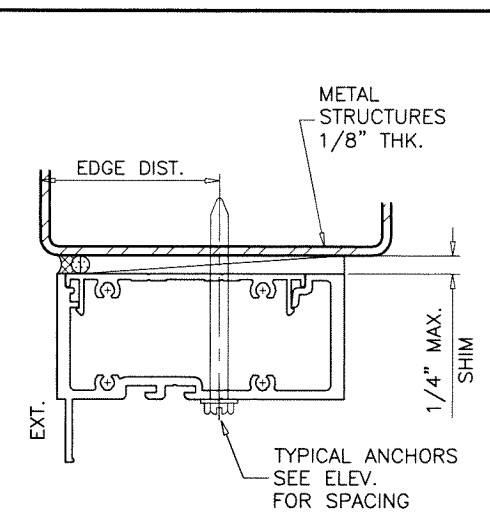
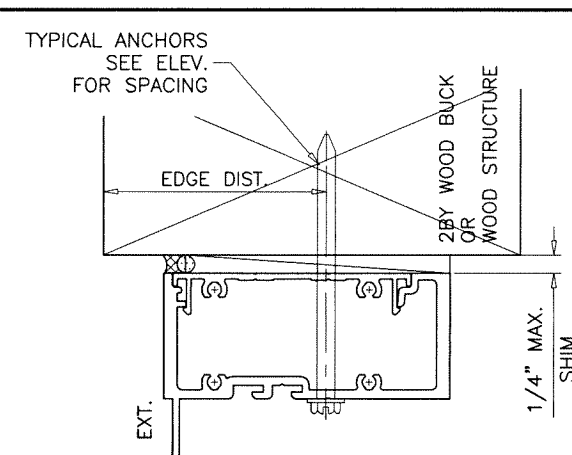
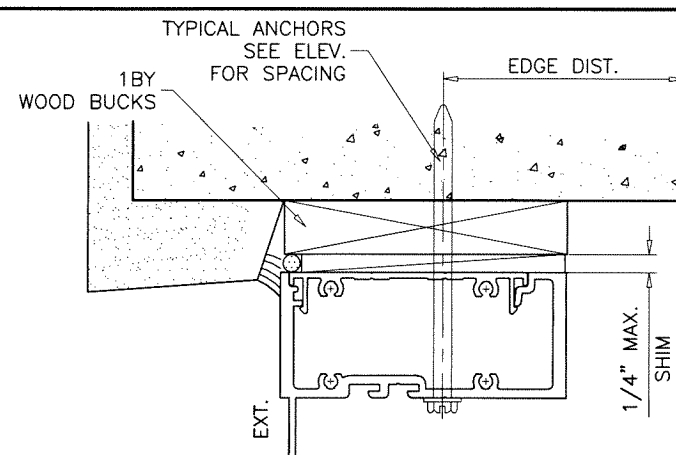
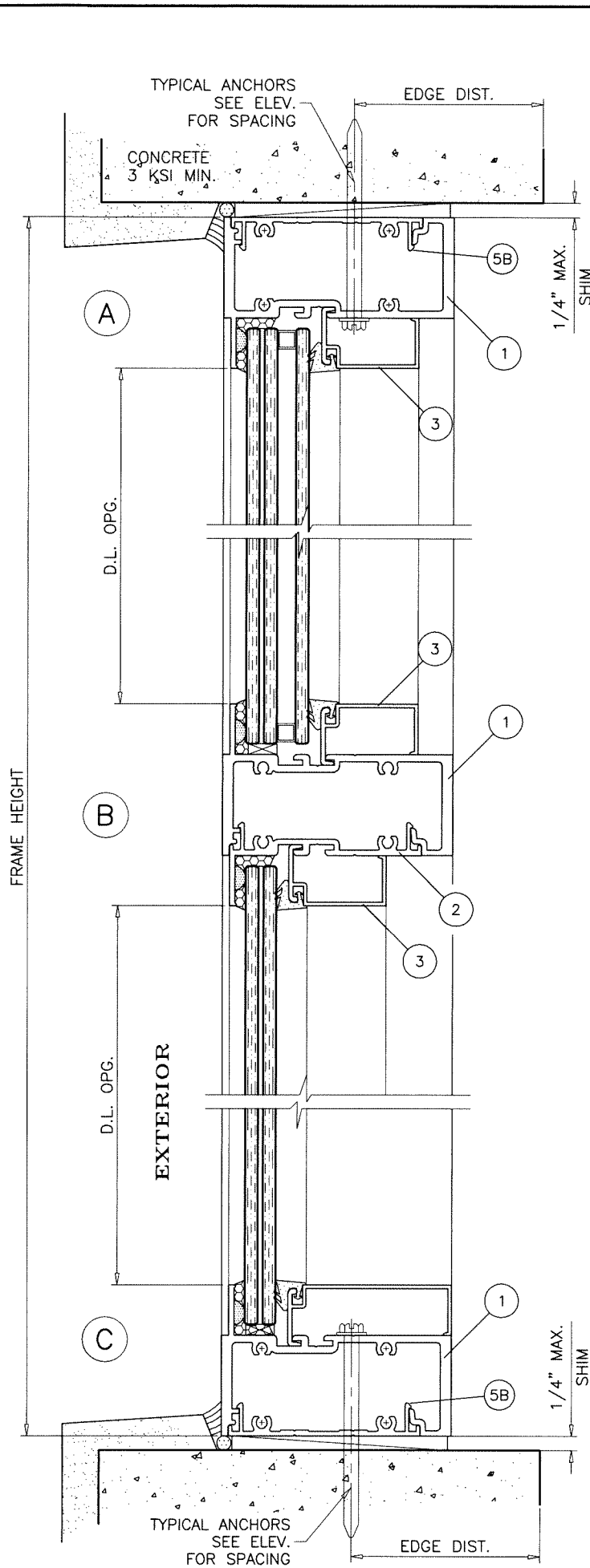
SERIES 450 ALUM WINDOW WALL SYSTEM (L.M.I.)
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th STREET
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no date by description

date: 09-03-18
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chk. by:

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18-116F
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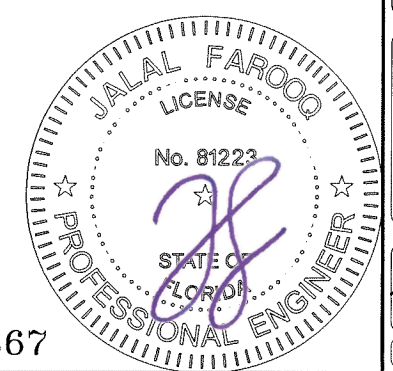
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WOOD BUCKS AND METAL STRUCTURE NOT BY 'ECO WINDOWS' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
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)
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)
14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 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)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 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 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



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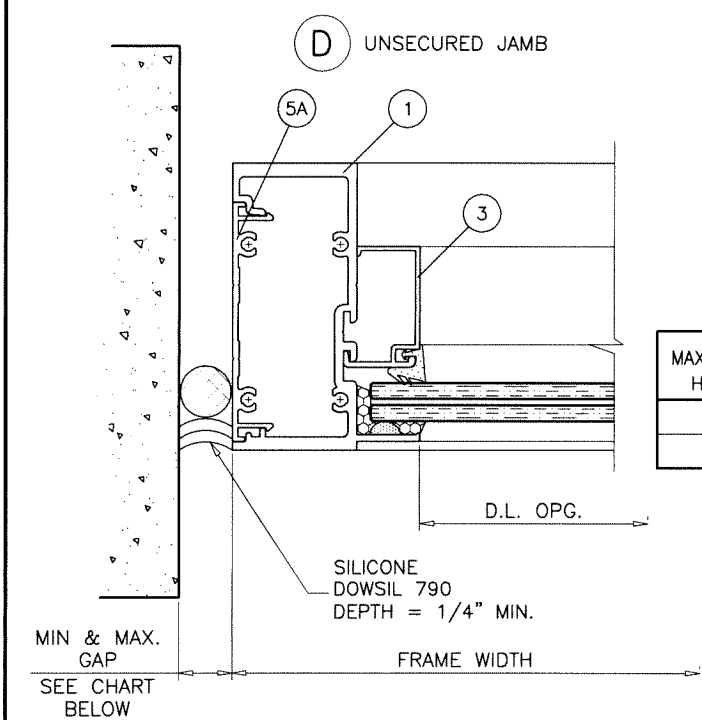
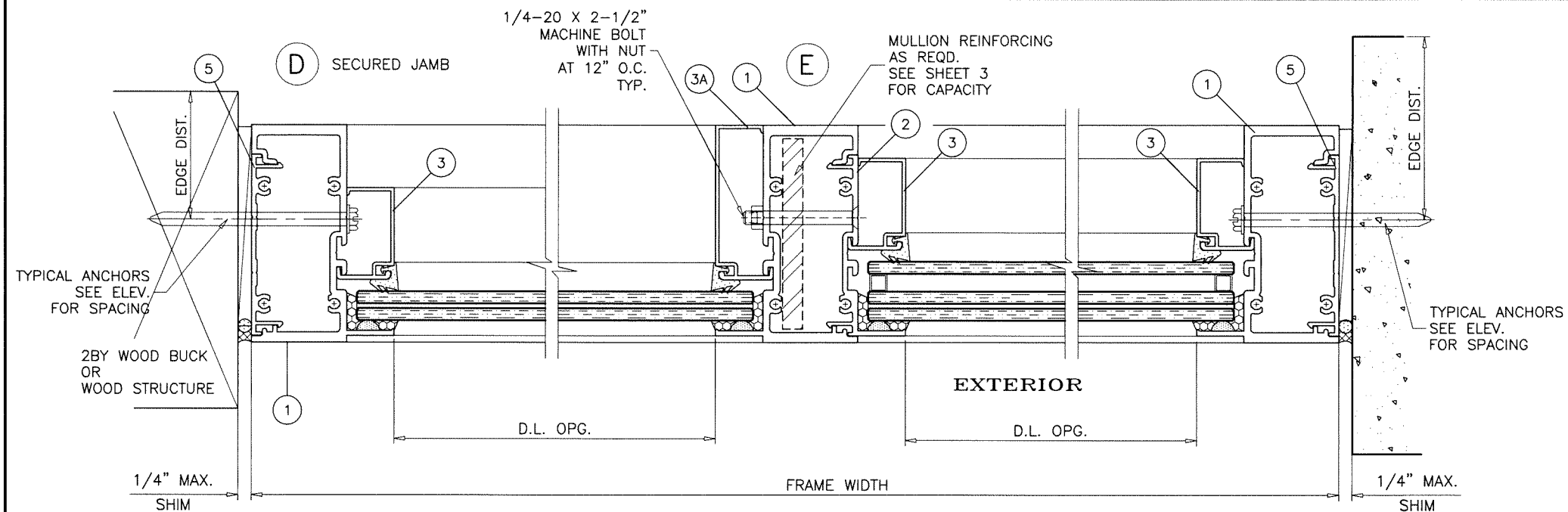
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
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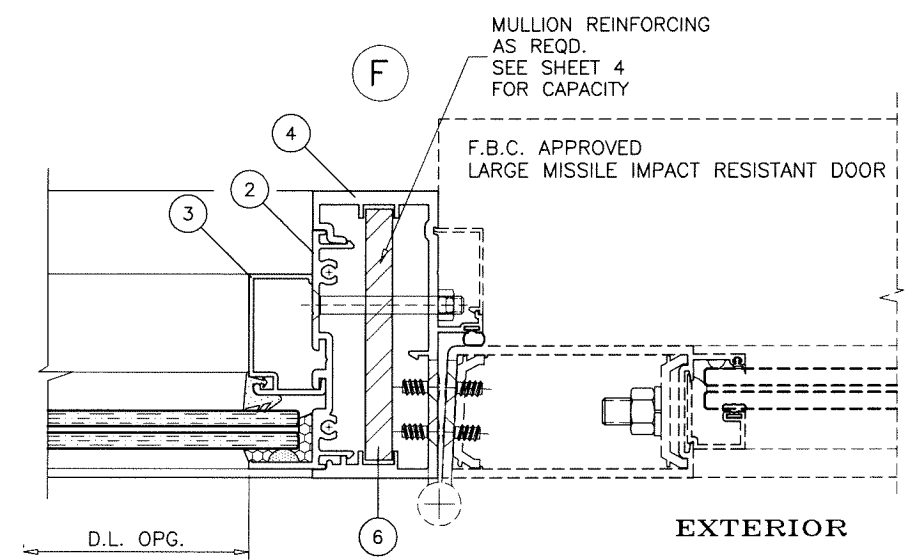


MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
96"	5/16"	3/4"
120"	3/8"	3/4"

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

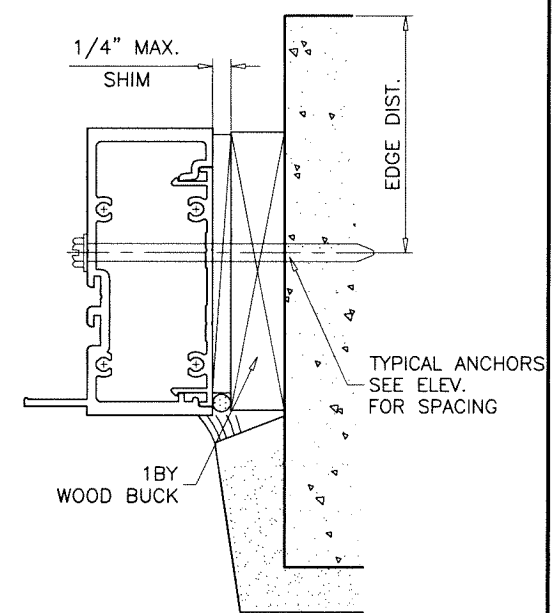
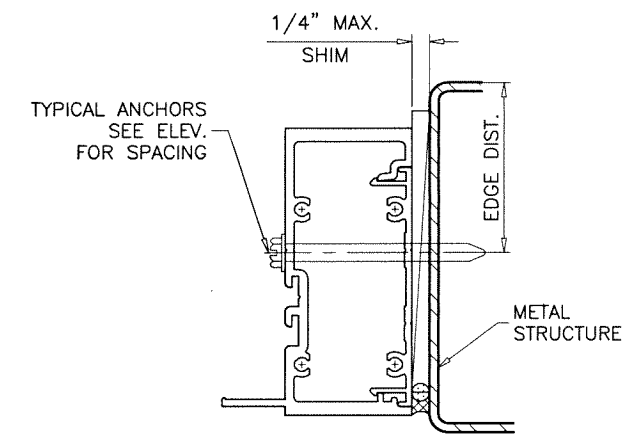
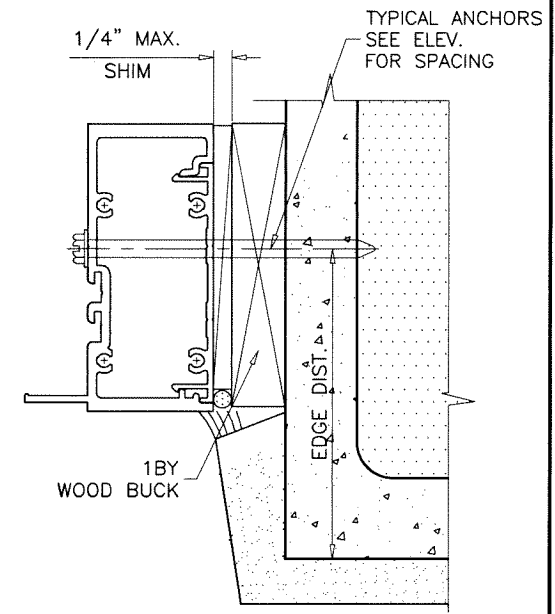
ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.

GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.



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

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



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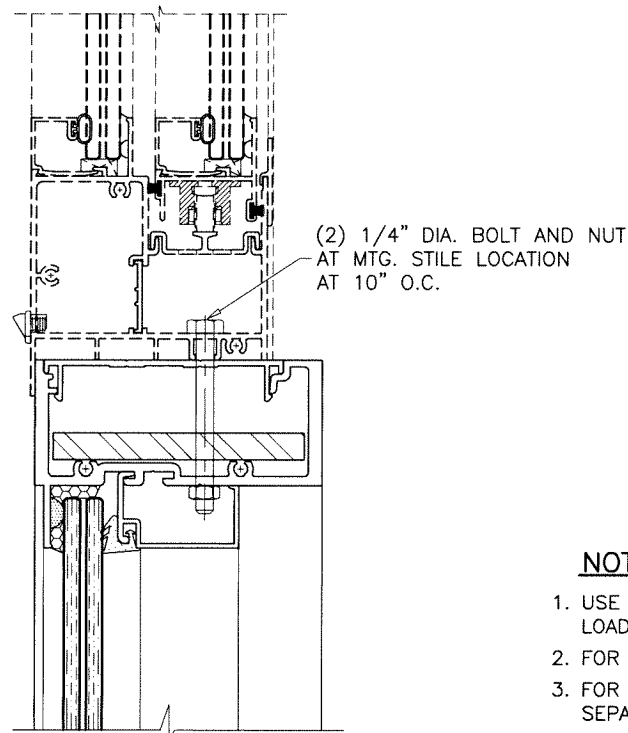
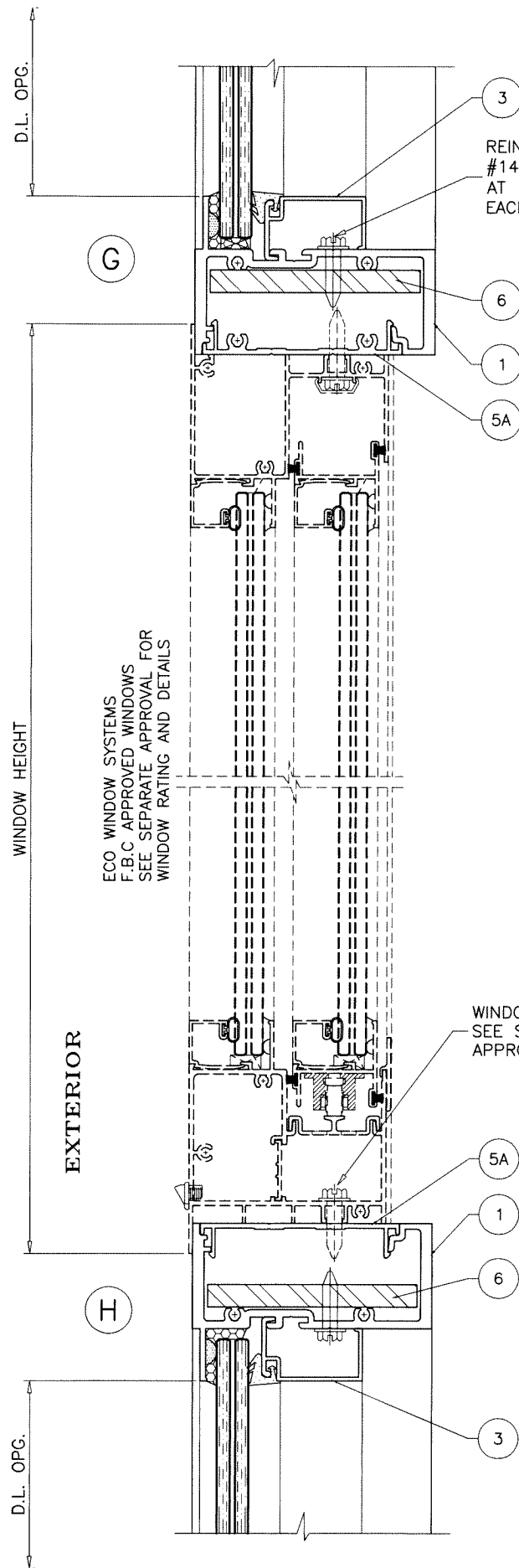
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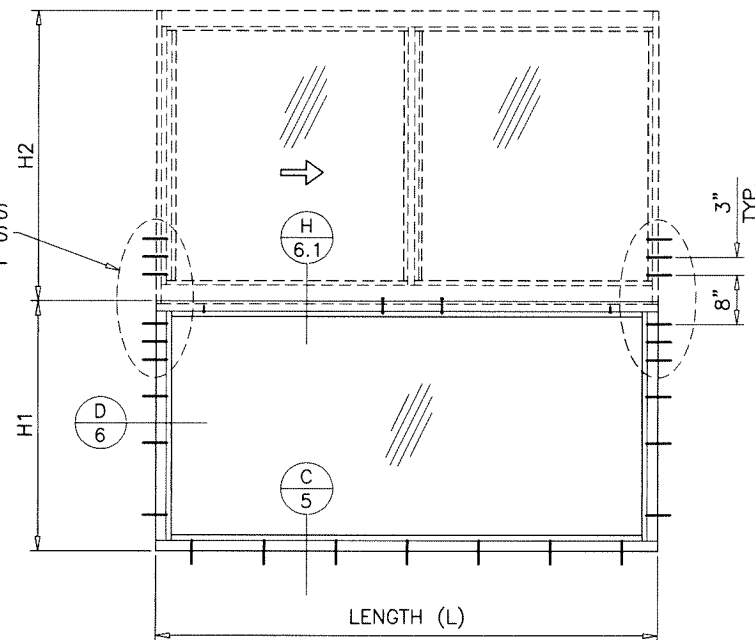
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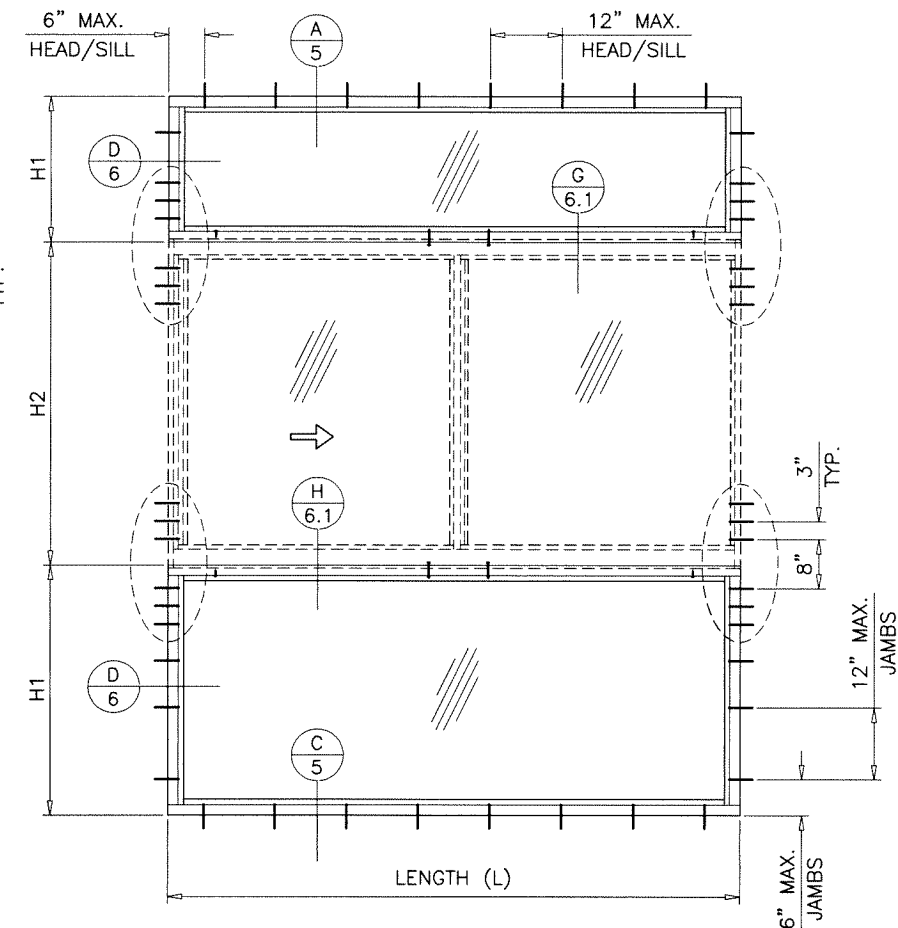


(6) ANCHORS
AT HORIZ. ENDS
TYPICAL



TYPICAL ELEVATION
TOP OR BOTTOM WINDOWS

$$\text{HEIGHT (H)} = \frac{H1 + H2}{2}$$



HORIZONTAL LOAD CAPACITY - PSF			
NOMINAL DIMS.		HORIZONTAL MULLION	
HEIGHT (H)	LENGTH (L)	EXT.(+)	INT.(-)
57"	84"	80.0	90.0
60"		80.0	90.0
63"		80.0	90.0
66"		80.0	90.0
69"		80.0	90.0
54"	90"	80.0	90.0
57"		80.0	90.0
60"		80.0	90.0
63"		80.0	90.0
54"	96"	80.0	90.0
57"		80.0	88.9
60"		80.0	85.0

NOTES:

1. USE CHART ON THIS SHEET FOR WINDOW WALL HORIZONTAL LOAD CAPACITY.
2. FOR WINDOW WALL GLASS CAPACITY SEE CHART ON SHEET 2.
3. FOR HORIZONTAL SLIDING WINDOW LOAD CAPACITY SEE SEPARATE APPROVAL.

LOWER VALUES FROM STEPS 1, 2 OR 3 WILL APPLY TO ENTIRE SYSTEM.

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sheet 6.1 of 8

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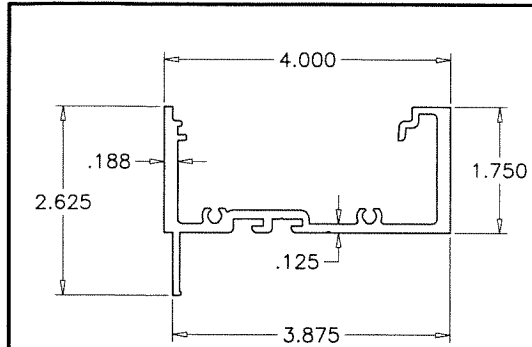
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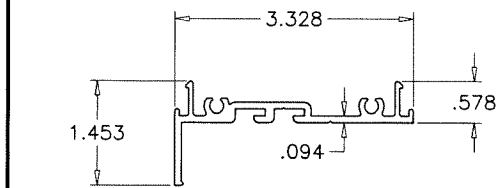
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	451	AS REQD.	FRAME HEAD/SILL/JAMB/MULLION	6063-T6	-
2	452	AS REQD.	SNAP-IN MATE	6063-T6	-
3	UW-404	AS REQD.	GLAZING BEAD	6063-T6	-
3A	E458	AS REQD.	GLAZING BEAD	6063-T6	-
4	454	AS REQD.	DOOR FRAME JAMB	6063-T6	-
5	453	AS REQD.	SHEAR CLIP, 3-3/4" LONG AT JAMB ANCHORS	6063-T6	-
5A	453	AS REQD.	SHEAR CLIP, FULL LENGTH	6063-T6	-
5B	453	AS REQD.	SHEAR CLIP, LENGTH VARIES TO COVER ANCHOR SPACINGS	6063-T6	-
6	-	AS REQD.	STIFFENER BAR	GALV. STEEL	-
7	UW-406	AS REQD.	GLAZING GASKET	NEOPRENE	DUROMETER 55±5 SHORE A
8	#12 X 1-1/4"	4/ CORNER	FRAME ASSEMBLY SCREWS	-	PH SMS
9	-	2/ LITE	SETTING BLOCKS AT 1/4 POINTS (3/16" X 1/2" X 2" LONG)	EPDM	DUROMETER 80±5 SHORE A
10	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE

SEALANTS:

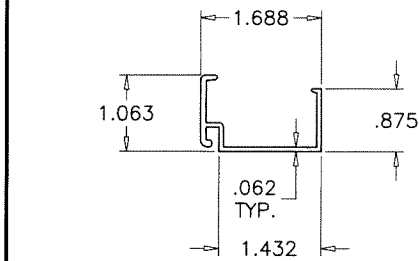
ALL FRAME JOINTS AND SEAMS SEALED WITH
SCHNEE-MOREHEAD SM5504 ACRYL-R SEAM SEALER.



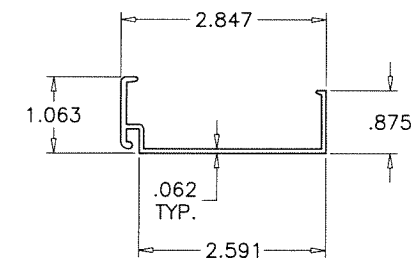
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FRAME HEAD/SILL/JAMB/MULLION



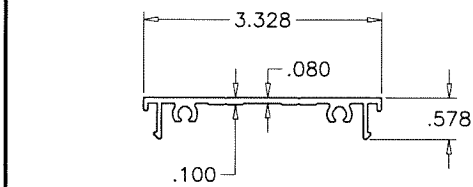
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SNAP IN MATE



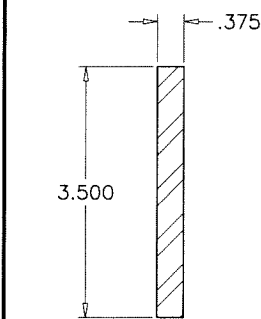
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GLAZING BEAD



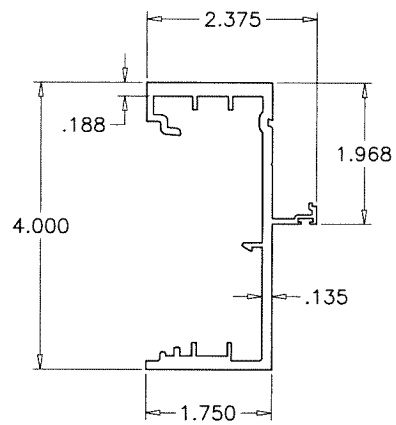
3A
GLAZING BEAD



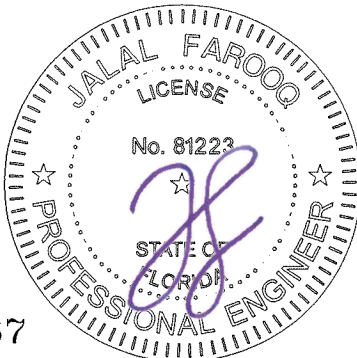
5 5A 5B
SHEAR CLIP



6
STIFFENER BAR



4
DOOR FRAME JAMB



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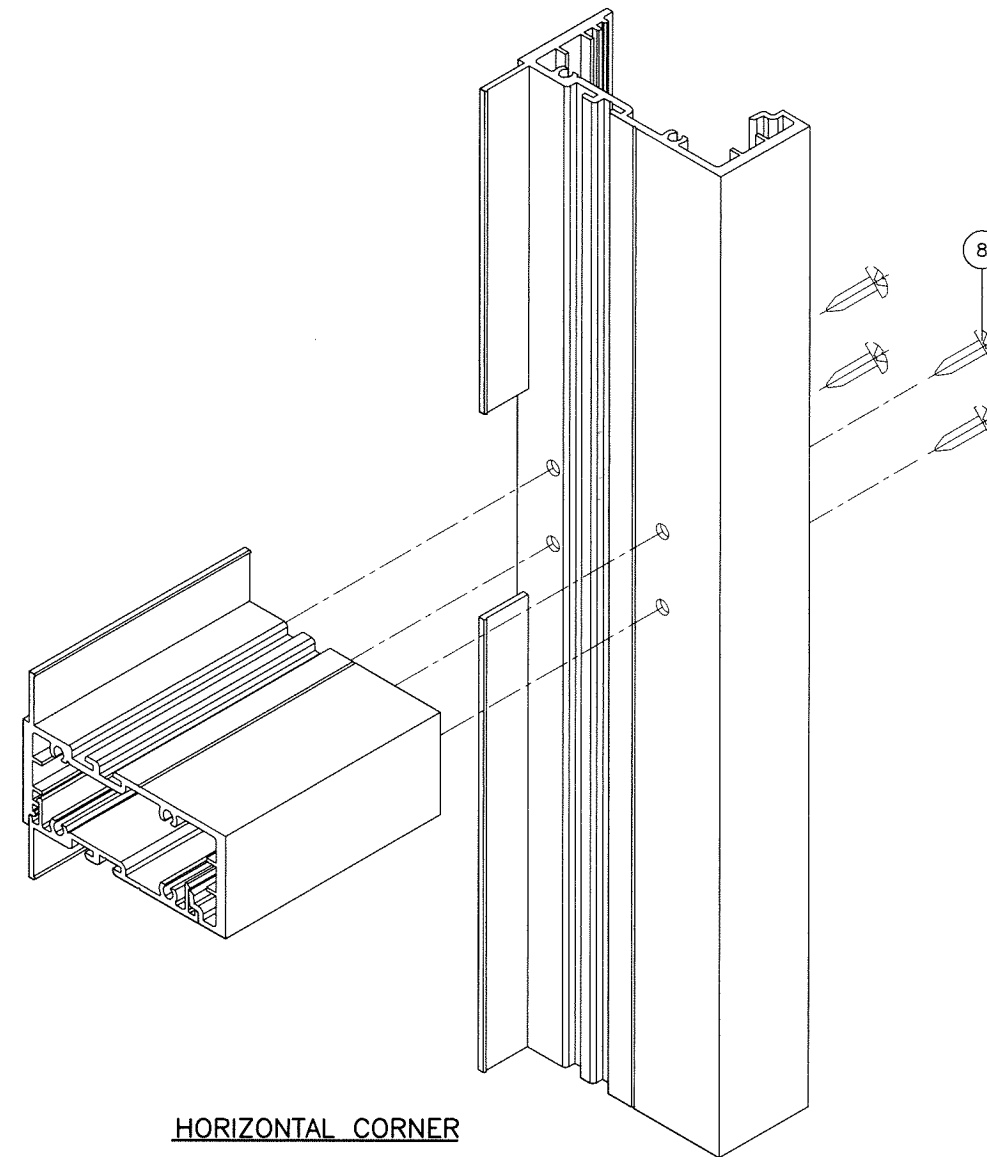
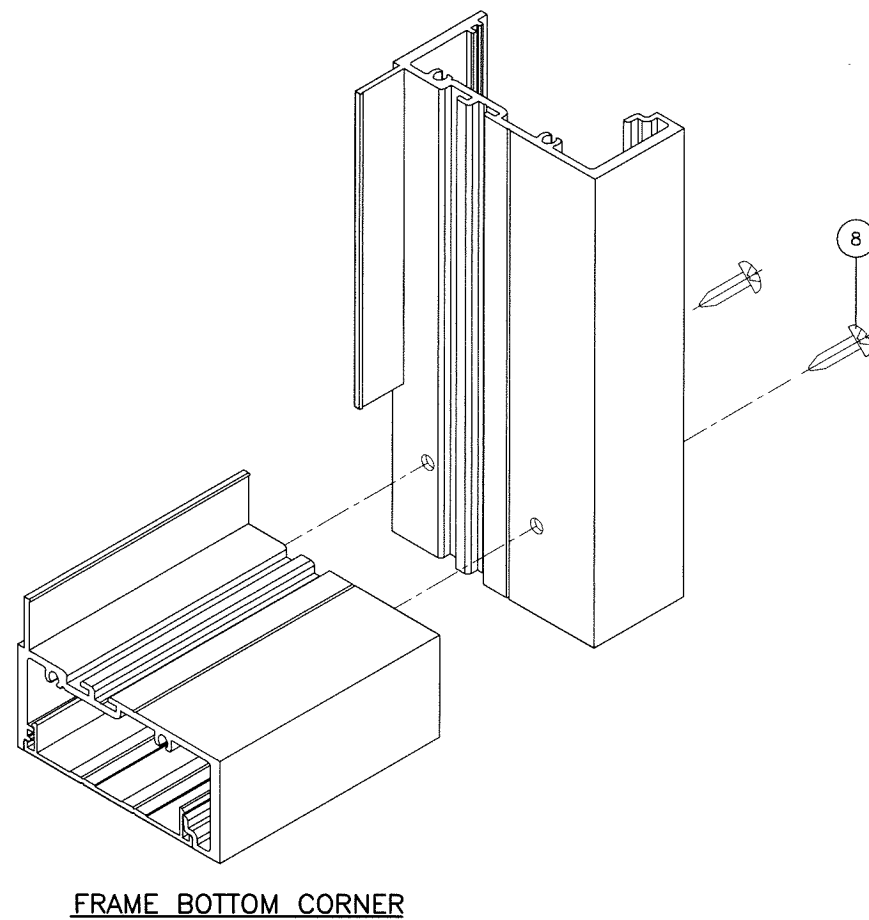
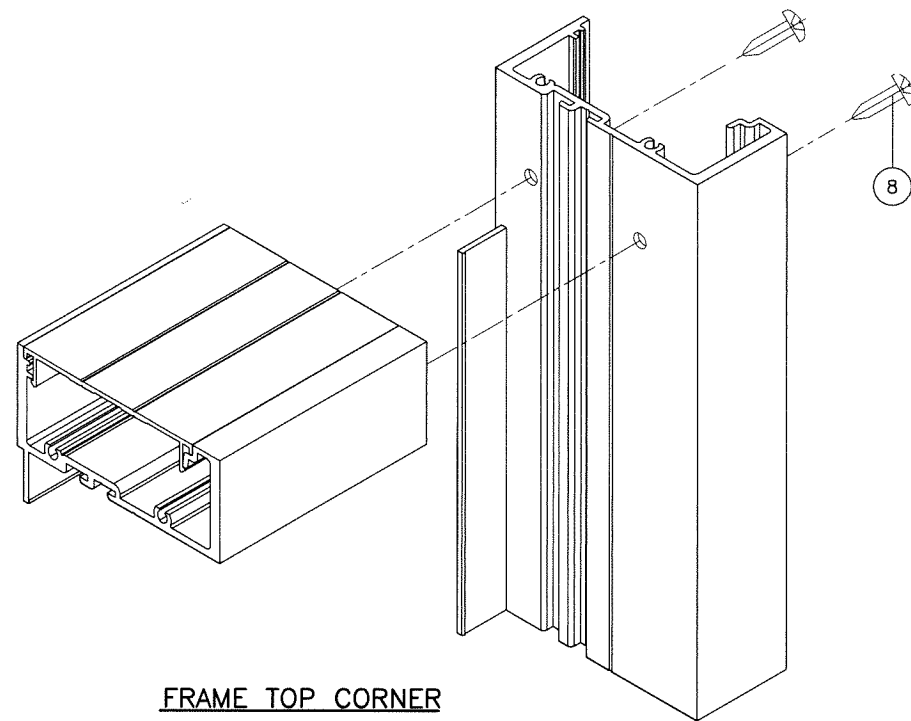
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