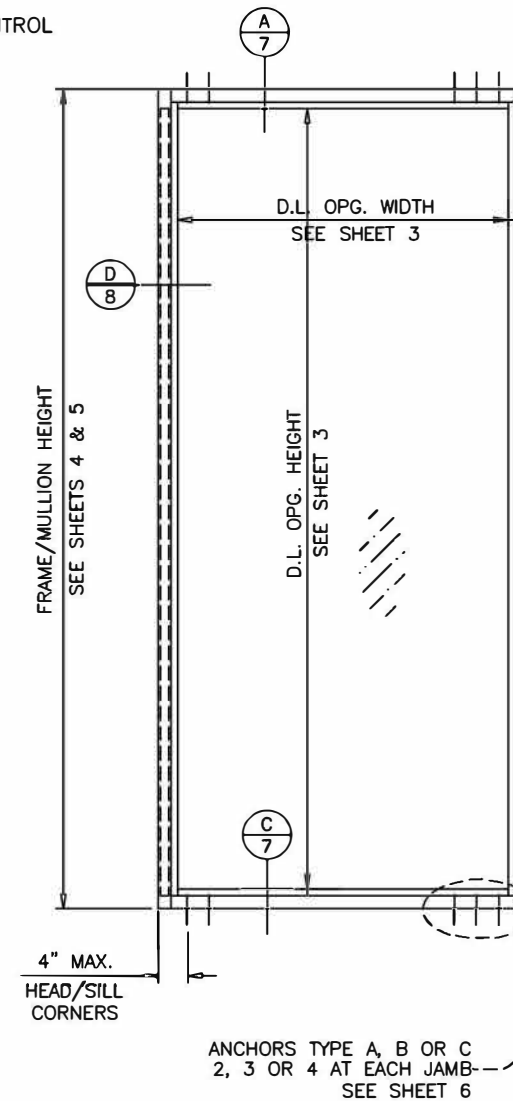
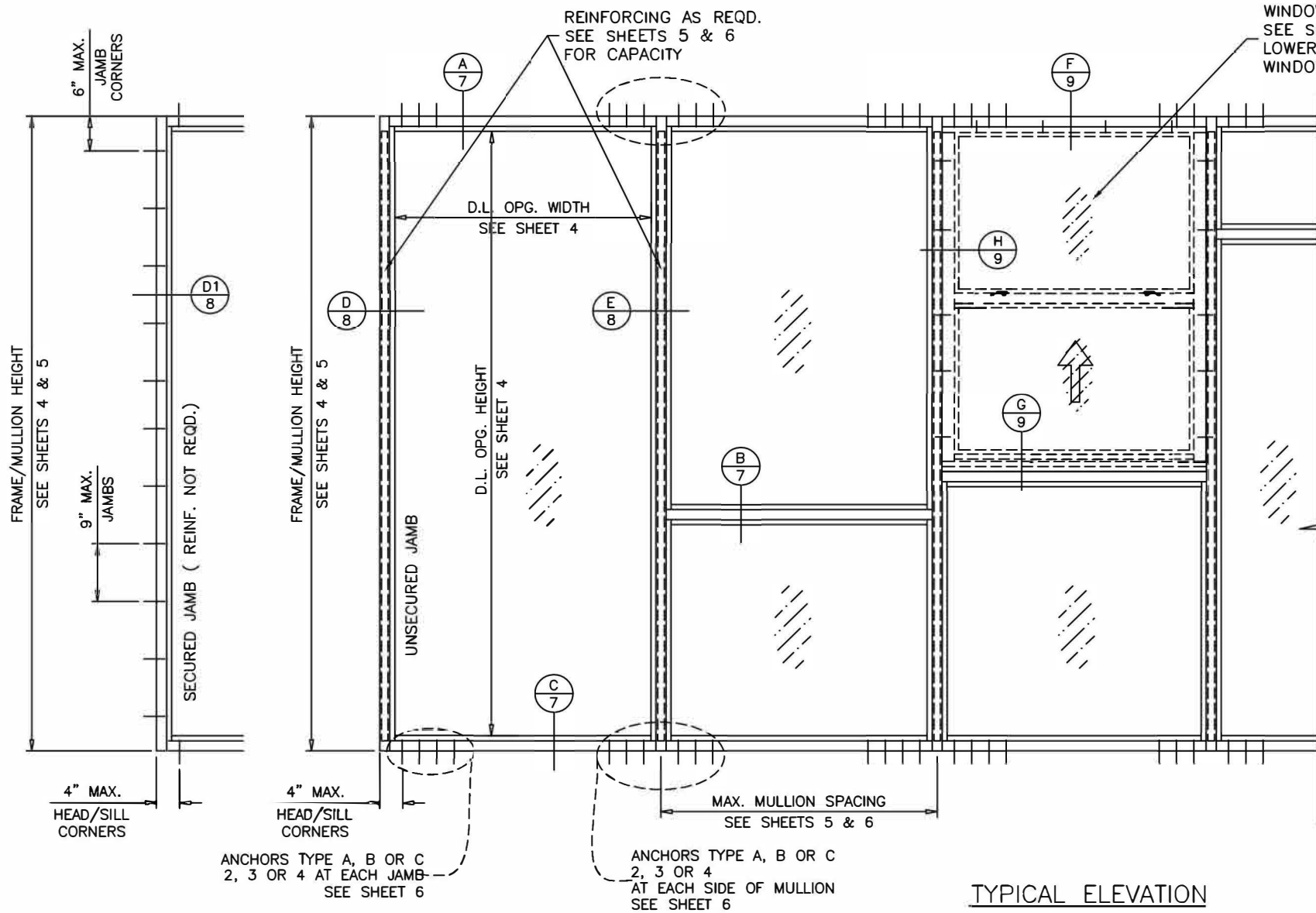




SERIES 400 ALUMINUM WINDOW WALL SYSTEM

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 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 AS LISTED, 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 FLORIDA BUILDING CODE.

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

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 SHEETS 4 & 5. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHARTS ON SHEET 8 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** VERIFY UNANCHORED JAMBS, IF USED AS PER SHEETS 4, 5 AND 8.
- STEP 6** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

THE SYSTEM IS RATED FOR SMALL MISSILE IMPACT. FBC APPROVED IMPACT RESISTANT SHUTTER REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTER ARE NOT REQUIRED FOR INSTALLATION ABOVE 30 FT. OF GRADE.

SMALL MISSILE IMPACT

ALL TEMPERED AND/OR LAMINATED GLASS OPTIONS IN THIS APPROVAL HAVE BEEN CERTIFIED BY THE SGCC FOR COMPLIANCE TO ANSI Z97.1, CLASS A AND CPSC 16 CFR 1201, CATEGORY II. THIS INCLUDES LAMINATED GLASS THAT IS MANUFACTURED WITH ANNEALED GLASS PLIES. FOR APPLICATIONS WHERE THE WINDOW IS BEING USED AS A GUARD, HEAT STRENGTHENED OR TEMPERED LAMINATED GLASS MUST BE USED.

FL#21632.2



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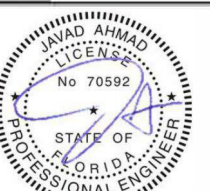
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drawing no.	MA	drawn by:	date:	check by:	BS
JA-1844-24			12/30/2024		
REVISION					
No.	DATE	BY	DESCRIPTION		

SERIES 400 ALUMINUM WINDOW WALL SYSTEM (S.M.I.)
SMALL MISSILE IMPACT RATED



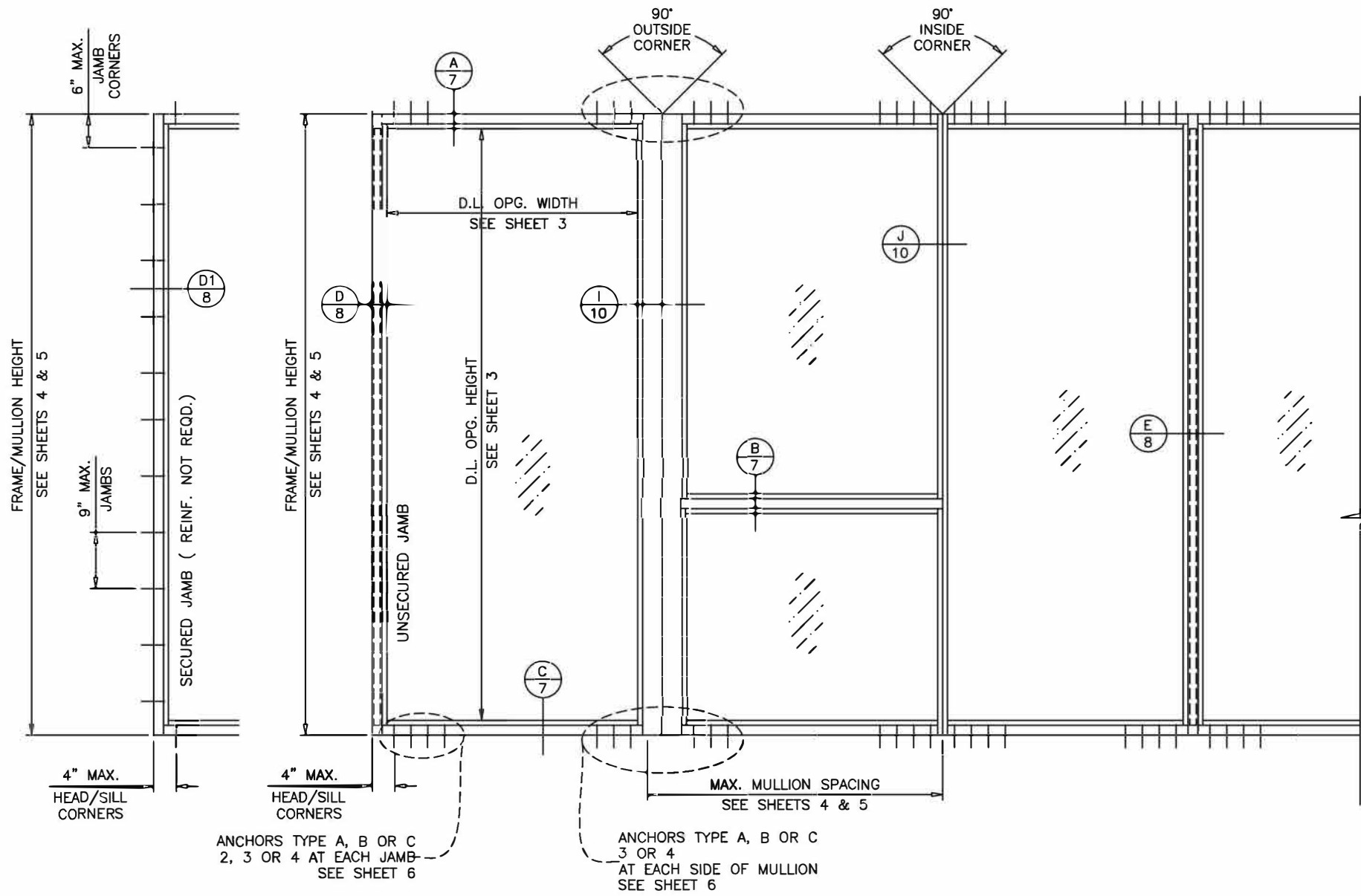
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01 of 11



TYPICAL ELEVATION

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SERIES 400:ALUMINUM WINDOW WALL
SYSTEM (S.M.I.)
SMALL MISSILE IMPACT RATED



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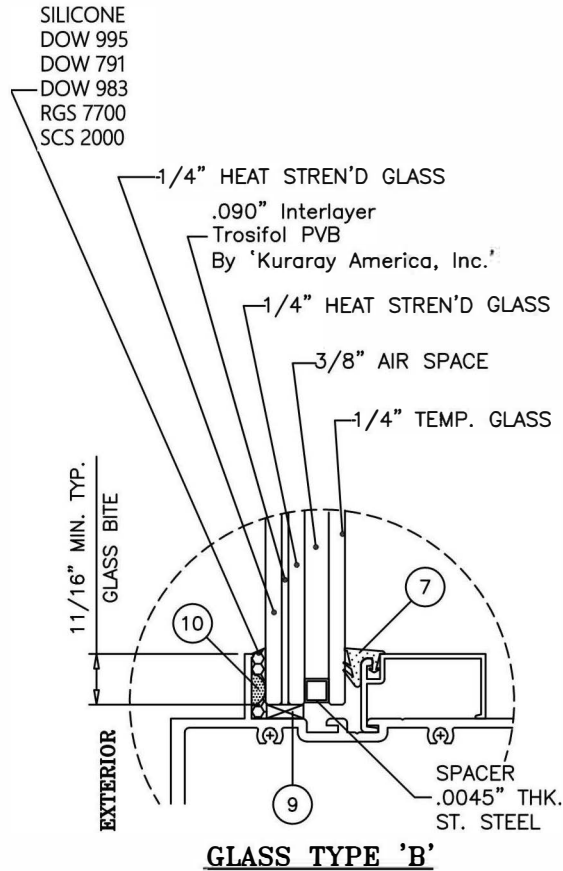
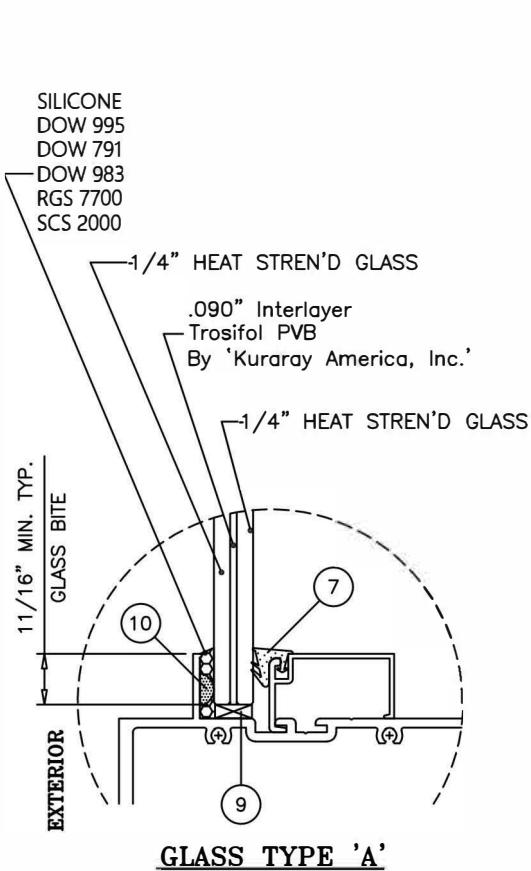
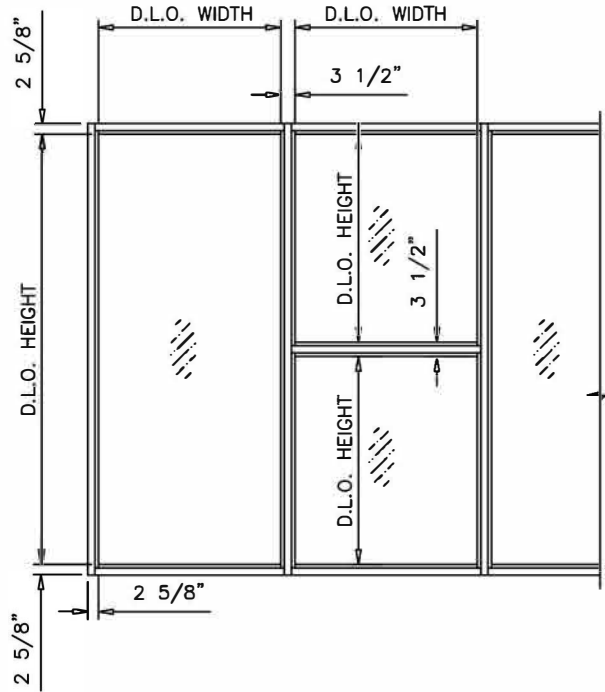


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drawing no.	date:	JA-1844-24	12/30/2024	REVISION		MA
				No.	DESCRIPTION	
						MA
						BS

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPES 'A' & 'B'	
D.L.O. WIDTH	D.L.O. HEIGHT	POS. (+)	NEG. (-)
26-1/2"	78-3/4"	90.0	130.0
32-1/2"		90.0	130.0
38-1/2"		90.0	130.0
44-1/2"		90.0	130.0
50-1/2"		90.0	130.0
56-1/2"		90.0	130.0
26-1/2"	84-3/4"	90.0	130.0
32-1/2"		90.0	130.0
38-1/2"		90.0	130.0
44-1/2"		90.0	130.0
50-1/2"		90.0	130.0
56-1/2"		90.0	130.0
26-1/2"	90-3/4"	90.0	130.0
32-1/2"		90.0	130.0
38-1/2"		90.0	130.0
44-1/2"		90.0	130.0
50"		90.0	130.0
50-1/2"		90.0	130.0
56-1/2"		90.0	130.0
26-1/2"	96-3/4"	90.0	130.0
32-1/2"		90.0	130.0
38-1/2"		90.0	130.0
44-1/2"		90.0	130.0
47"		90.0	130.0
52-1/2"		90.0	130.0
26-1/2"	102-3/4"	90.0	130.0
32-1/2"		90.0	130.0
38-1/2"		90.0	130.0
44"		90.0	130.0
44-1/2"		90.0	130.0
49"		90.0	130.0
26-1/2"	108-3/4"	90.0	130.0
32-1/2"		90.0	130.0
38-1/2"		90.0	130.0
41"		90.0	130.0
44-1/2"		90.0	130.0
47"		90.0	130.0
26-1/2"	114-3/4"	90.0	130.0
32-1/2"		90.0	130.0
38-1/2"		90.0	130.0
39"		90.0	130.0
44-1/2"		90.0	130.0
		90.0	130.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



GLAZING OPTIONS

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

FL#21632.2



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					DESCRIPTION	BY	DATE
		12/30/2024	check by:	BS			

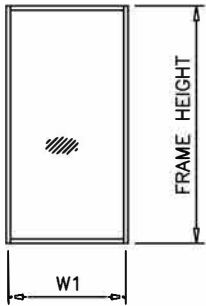
SERIES 400:ALUMINUM WINDOW WALL
SYSTEM (S.M.I.)
SMALL MISSILE IMPACT RATED

ECO window systems
ECO WINDOW SYSTEMS, LLC.
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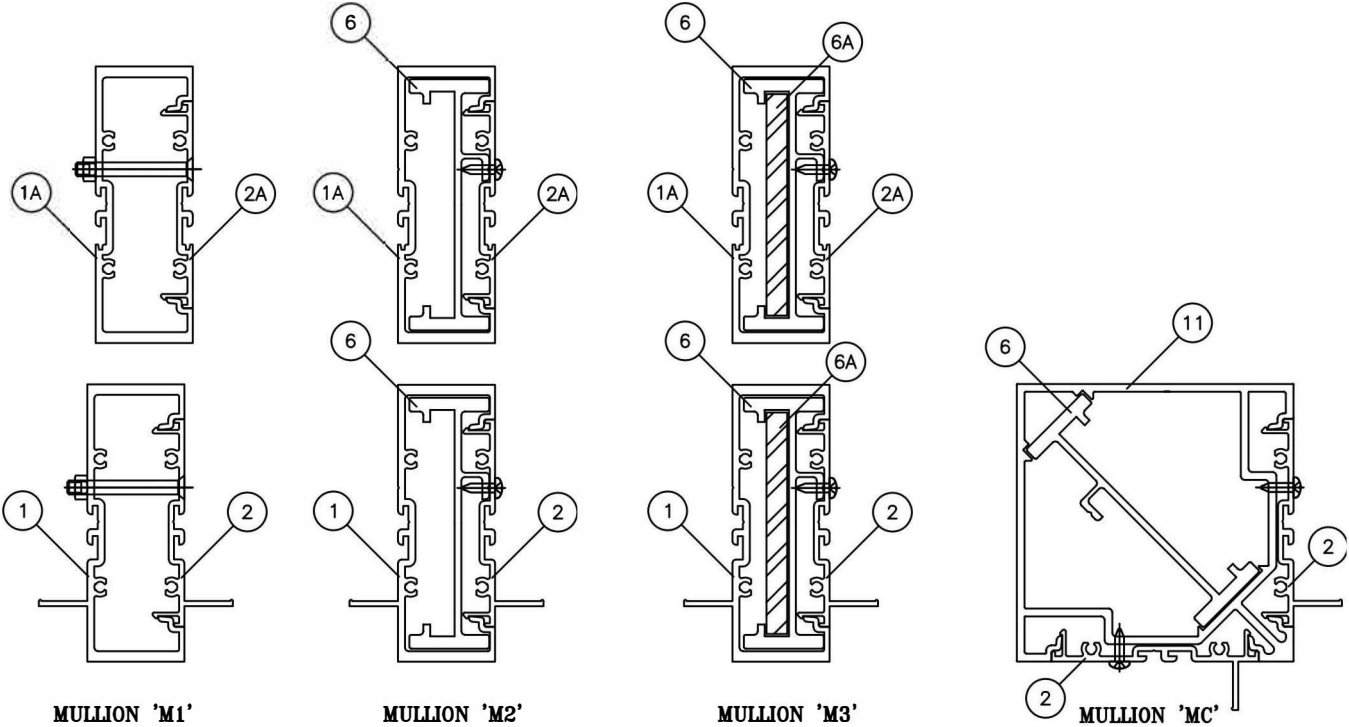
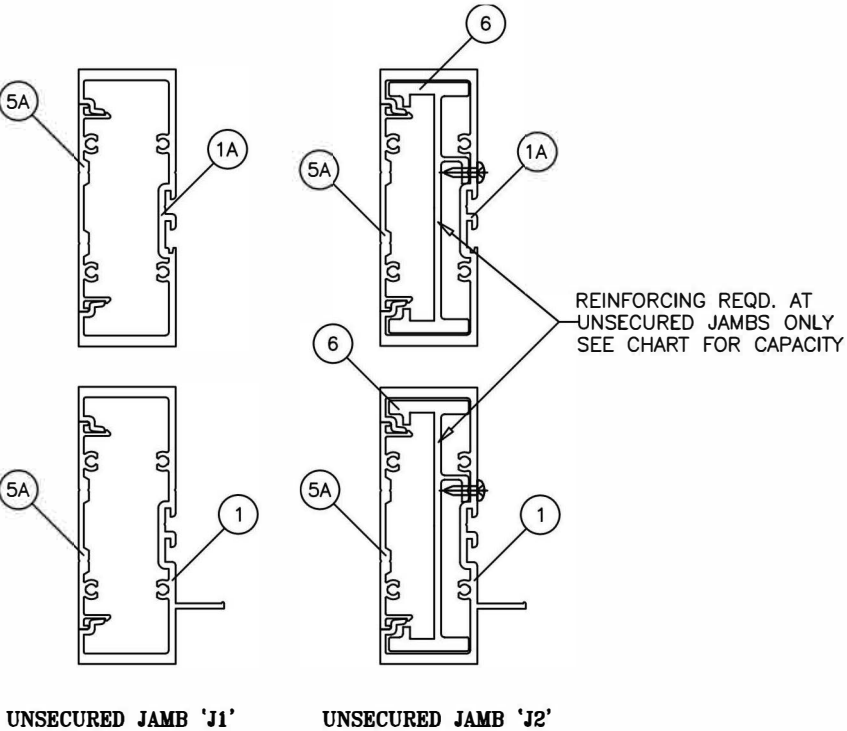
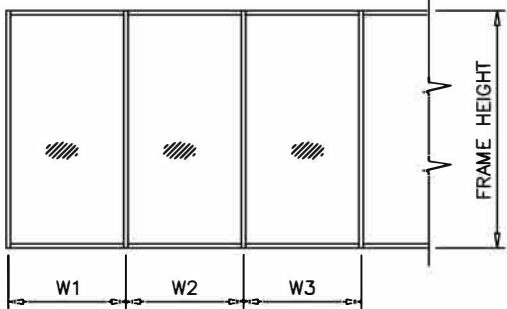
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JAMB & MULLION LOAD CAPACITY – PSF									
JAMBS & MULLIONS WITHOUT INTERMEDIATE HORIZONTALS									
NOMINAL DIMS.		JAMB 'J1'		JAMB 'J2'		JAMB 'J2'		MULL 'MC'	
WIDTH (W)	FRAME HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
30"	84"	90.0	130.0	90.0	130.0	90.0	130.0	90.0	120.0
36"		90.0	130.0	90.0	130.0	90.0	130.0	90.0	120.0
42"		90.0	130.0	90.0	130.0	90.0	130.0	90.0	120.0
48"		90.0	125.5	90.0	130.0	90.0	130.0	90.0	120.0
54"		90.0	115.3	90.0	130.0	90.0	130.0	90.0	120.0
60"		90.0	107.9	90.0	130.0	90.0	130.0	90.0	120.0
30"	90"	90.0	130.0	90.0	130.0	90.0	130.0	90.0	120.0
36"		90.0	130.0	90.0	130.0	90.0	130.0	90.0	120.0
42"		90.0	119.2	90.0	130.0	90.0	130.0	90.0	120.0
48"		90.0	106.9	90.0	130.0	90.0	130.0	90.0	120.0
54"		90.0	97.7	90.0	130.0	90.0	130.0	90.0	120.0
60"		90.0	90.9	90.0	130.0	90.0	130.0	90.0	120.0
30"	96"	90.0	130.0	90.0	130.0	90.0	130.0	90.0	120.0
36"		90.0	118.2	90.0	130.0	90.0	130.0	90.0	120.0
42"		90.0	103.1	90.0	130.0	90.0	130.0	90.0	120.0
48"		90.0	92.1	90.0	130.0	90.0	130.0	90.0	120.0
54"		83.9	83.9	90.0	129.2	90.0	130.0	90.0	120.0
60"		77.7	77.7	90.0	119.6	90.0	130.0	90.0	120.0
30"	102"	90.0	122.6	90.0	130.0	90.0	130.0	90.0	120.0
36"		90.0	103.4	90.0	130.0	90.0	130.0	90.0	120.0
42"		90.0	90.1	90.0	130.0	90.0	130.0	90.0	120.0
48"		80.2	80.2	90.0	123.3	90.0	130.0	90.0	120.0
54"		72.9	72.9	90.0	111.9	90.0	130.0	90.0	120.0
56"		70.8	70.8	90.0	108.8	90.0	130.0	90.0	120.0
30"	108"	90.0	108.3	90.0	130.0	90.0	130.0	90.0	120.0
36"		90.0	91.3	90.0	130.0	90.0	130.0	90.0	120.0
42"		79.3	79.3	90.0	121.7	90.0	130.0	90.0	120.0
48"		70.5	70.5	90.0	108.2	90.0	130.0	90.0	120.0
53"		64.8	64.8	90.0	99.5	90.0	125.3	90.0	120.0
30"	114"	90.0	96.4	90.0	130.0	90.0	130.0	90.0	120.0
36"		81.1	81.1	90.0	124.2	90.0	130.0	90.0	120.0
42"		70.4	70.4	90.0	107.7	90.0	130.0	90.0	120.0
48"		62.4	62.4	90.0	95.6	90.0	121.4	90.0	120.0
50"		60.3	60.3	90.0	92.3	90.0	117.2	90.0	120.0
30"	120"	82.4	82.4	90.0	130.0	90.0	130.0	90.0	120.0
36"		69.5	69.5	90.0	110.9	90.0	130.0	90.0	120.0
42"		60.3	60.3	90.0	96.0	90.0	122.9	90.0	120.0
48"		53.6	53.6	85.1	85.1	90.0	108.9	90.0	120.0



WIDTH (W) = W1
AT FRAME JAMB

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



FL#21632.2



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SERIES 450:ALUMINUM WINDOW WALL
SYSTEM (L.M.I)
LARGE MISSILE IMPACT RATED

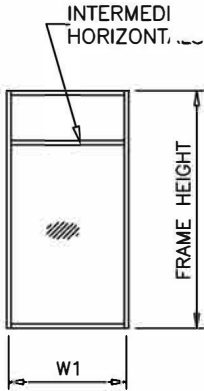


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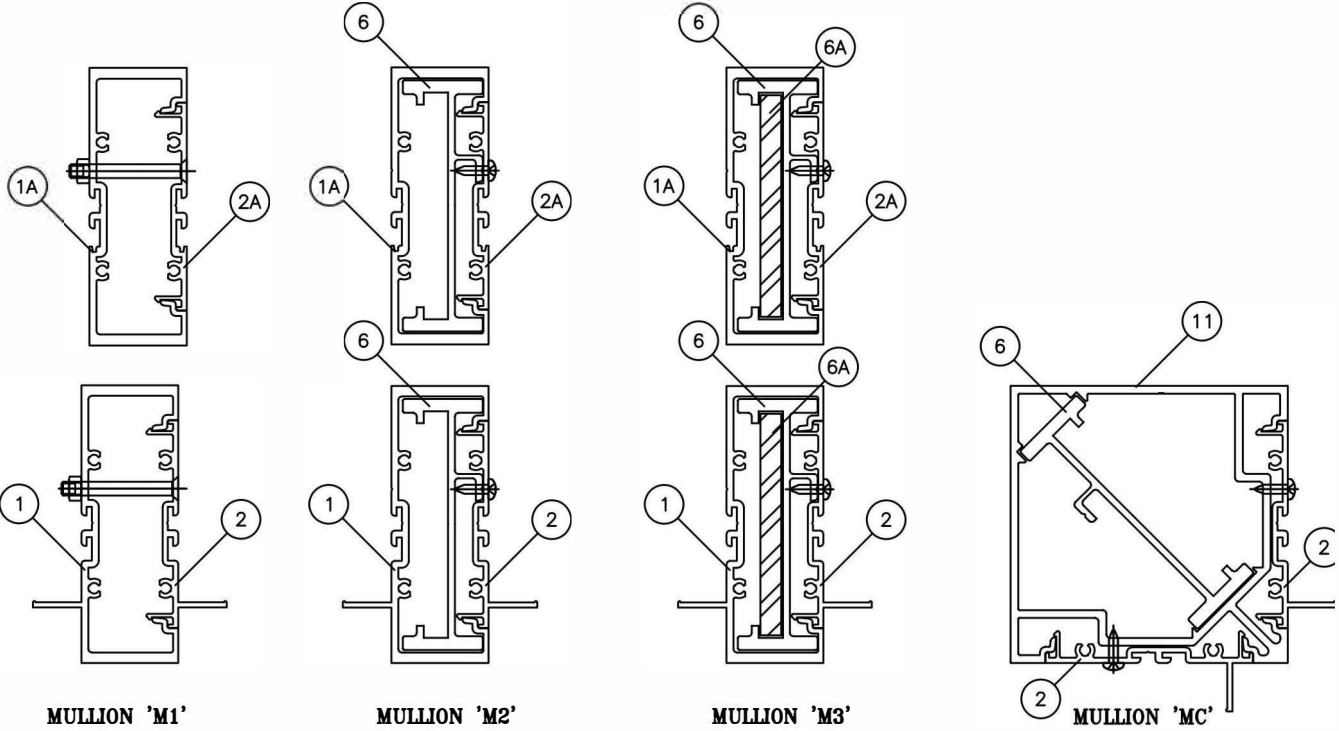
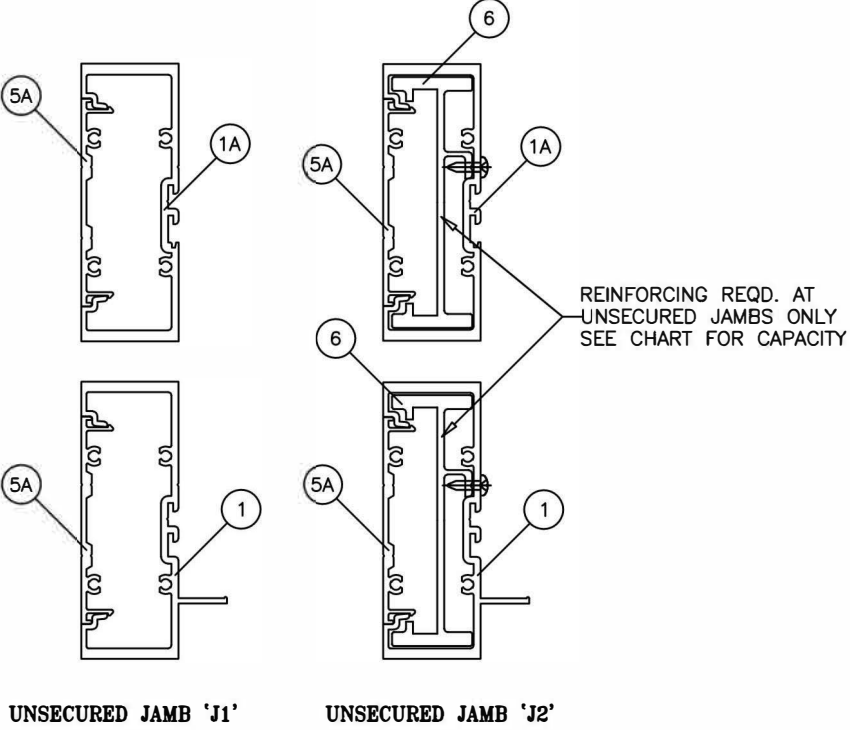
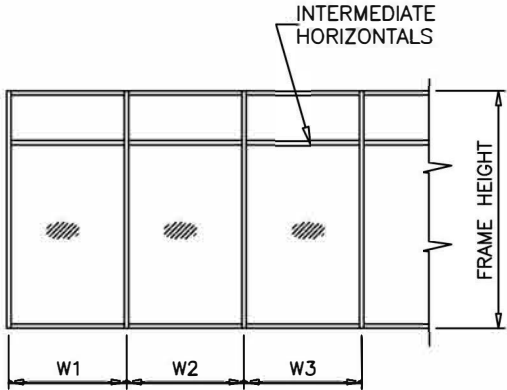
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JAMB & MULLION LOAD CAPACITY – PSF									
JAMBS & MULLIONS WITH INTERMEDIATE HORIZONTALS									
NOMINAL DIMS.		JAMB 'J1'		JAMB 'J2'		JAMB 'J2'		MULL 'MC'	
WIDTH (W)	FRAME HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
30"	84"	90.0	130.0	90.0	130.0	90.0	130.0	90.0	120.0
36"		90.0	130.0	90.0	130.0	90.0	130.0	90.0	120.0
42"		90.0	128.1	90.0	130.0	90.0	130.0	90.0	120.0
48"		90.0	112.1	90.0	130.0	90.0	130.0	90.0	120.0
54"		90.0	99.6	90.0	130.0	90.0	130.0	90.0	120.0
60"		89.7	89.7	90.0	130.0	90.0	130.0	90.0	120.0
30"	90"	90.0	130.0	90.0	130.0	90.0	130.0	90.0	120.0
36"		90.0	129.3	90.0	130.0	90.0	130.0	90.0	120.0
42"		90.0	110.8	90.0	130.0	90.0	130.0	90.0	120.0
48"		90.0	97.0	90.0	130.0	90.0	130.0	90.0	120.0
54"		86.2	86.2	90.0	130.0	90.0	130.0	90.0	120.0
60"		77.6	77.6	90.0	119.6	90.0	130.0	90.0	120.0
30"	96"	90.0	130.0	90.0	130.0	90.0	130.0	90.0	120.0
36"		90.0	112.8	90.0	130.0	90.0	130.0	90.0	120.0
42"		90.0	96.7	90.0	130.0	90.0	130.0	90.0	120.0
48"		84.6	84.6	90.0	130.0	90.0	130.0	90.0	120.0
54"		75.2	75.2	90.0	115.8	90.0	130.0	90.0	120.0
60"		67.7	67.7	90.0	104.2	90.0	129.1	90.0	120.0
30"	102"	90.0	119.2	90.0	130.0	90.0	130.0	90.0	120.0
36"		90.0	99.3	90.0	130.0	90.0	130.0	90.0	120.0
42"		85.1	85.1	90.0	130.0	90.0	130.0	90.0	120.0
48"		74.5	74.5	90.0	114.4	90.0	130.0	90.0	120.0
54"		66.2	66.2	90.0	101.7	90.0	127.1	90.0	120.0
56"		63.8	63.8	90.0	98.1	90.0	122.5	90.0	120.0
30"	108"	90.0	105.6	90.0	130.0	90.0	130.0	90.0	120.0
36"		88.0	88.0	90.0	130.0	90.0	130.0	90.0	120.0
42"		75.4	75.4	90.0	115.7	90.0	130.0	90.0	120.0
48"		66.0	66.0	90.0	101.2	90.0	127.5	90.0	120.0
53"		59.8	59.8	90.0	91.7	90.0	115.5	90.0	120.0
30"	114"	90.0	94.0	90.0	130.0	90.0	130.0	90.0	120.0
36"		78.3	78.3	90.0	120.2	90.0	130.0	90.0	120.0
42"		67.1	67.1	90.0	103.0	90.0	130.0	90.0	120.0
48"		58.7	58.7	90.0	90.1	90.0	114.4	90.0	120.0
50"		56.4	56.4	86.5	86.5	90.0	109.8	90.0	120.0
30"	120"	80.6	80.6	90.0	129.1	90.0	130.0	90.0	120.0
36"		67.1	67.1	90.0	107.6	90.0	130.0	90.0	120.0
42"		57.5	57.5	90.0	92.2	90.0	118.0	90.0	120.0
48"		50.4	50.4	80.7	80.7	90.0	103.3	90.0	120.0



WIDTH (W) = W1
AT FRAME JAMB

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



FL#21632.2



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drawing no.	date:	JA-1844-24	drawn by:	MA	check by:	BS	REVISION		
							No.	DATE	DESCRIPTION

SERIES 400:ALUMINUM WINDOW WALL
SYSTEM (S.M.I.)
SMALL MISSILE IMPACT RATED

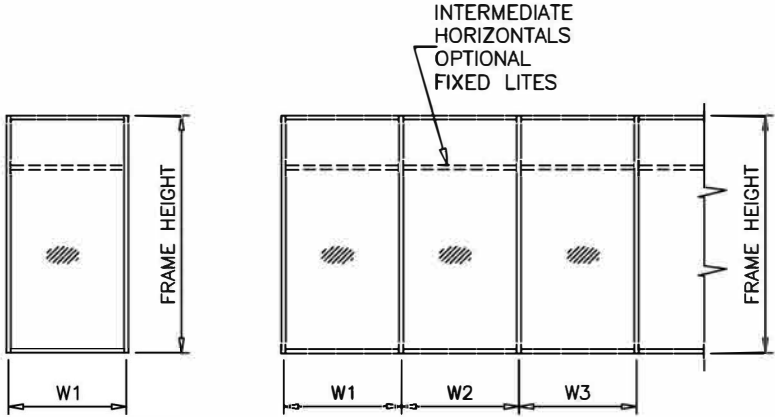
ECO window systems
ECO WINDOW SYSTEMS, LLC.
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TEL. (305) 885-5299 FAX. (305) 885-5902



SEALED: 12/30/2024

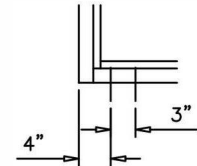
ANCHOR LOAD CAPACITY – PSF POS. (+) & NEG. (–)							
NOMINAL DIMS.		ANCHOR TYPE 'A'			ANCHOR TYPE 'B' & 'C'		
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2/C2	B3/C3	B4/C4
30"	72"	130.0	130.0	130.0	130.0	130.0	130.0
36"		119.6	130.0	130.0	130.0	130.0	130.0
42"		102.5	130.0	130.0	130.0	130.0	130.0
48"		89.7	130.0	130.0	114.7	130.0	130.0
53"		81.2	121.8	130.0	103.8	130.0	130.0
54"		79.7	119.6	130.0	101.9	130.0	130.0
56"		76.9	115.3	130.0	98.3	130.0	130.0
60"		71.7	107.6	130.0	91.7	130.0	130.0
30"	78"	130.0	130.0	130.0	130.0	130.0	130.0
36"		110.4	130.0	130.0	130.0	130.0	130.0
42"		94.6	130.0	130.0	121.0	130.0	130.0
48"		82.8	124.2	130.0	105.8	130.0	130.0
53"		75.0	112.4	130.0	95.9	130.0	130.0
54"		73.6	110.4	130.0	94.1	130.0	130.0
56"		70.9	106.4	130.0	90.7	130.0	130.0
60"		66.2	99.3	130.0	84.7	127.0	130.0
30"	84"	123.0	130.0	130.0	130.0	130.0	130.0
36"		102.5	130.0	130.0	130.0	130.0	130.0
42"		87.8	130.0	130.0	112.3	130.0	130.0
48"		76.9	115.3	130.0	98.3	130.0	130.0
53"		69.6	104.4	130.0	89.0	130.0	130.0
54"		68.3	102.5	130.0	87.4	130.0	130.0
56"		65.9	98.8	130.0	84.2	126.4	130.0
60"		61.5	92.2	123.0	78.6	117.9	130.0
30"	90"	114.8	130.0	130.0	130.0	130.0	130.0
36"		95.6	130.0	130.0	122.3	130.0	130.0
42"		82.0	123.0	130.0	104.8	130.0	130.0
48"		71.7	107.6	130.0	91.7	130.0	130.0
53"		65.0	97.4	129.9	83.1	124.6	130.0
54"		63.8	95.6	127.5	81.5	122.3	130.0
56"		61.5	92.2	123.0	78.6	117.9	130.0
60"		57.4	86.1	114.8	73.4	110.1	130.0
30"	96"	107.6	130.0	130.0	130.0	130.0	130.0
36"		89.7	130.0	130.0	114.7	130.0	130.0
42"		76.9	115.3	130.0	98.3	130.0	130.0
48"		67.3	100.9	130.0	86.0	129.0	130.0
53"		60.9	91.4	121.8	77.9	116.8	130.0
54"		59.8	89.7	119.6	76.4	114.7	130.0
56"		57.6	86.5	115.3	73.7	110.6	130.0
60"		53.8	80.7	107.6	68.8	103.2	130.0
30"	102"	101.3	130.0	130.0	129.5	130.0	130.0
36"		84.4	126.6	130.0	107.9	130.0	130.0
42"		72.3	108.5	130.0	92.5	130.0	130.0
48"		63.3	94.9	126.6	80.9	121.4	130.0
53"		57.3	86.0	114.6	73.3	110.0	130.0
54"		56.3	84.4	112.5	71.9	107.9	130.0
56"		54.3	81.4	108.5	69.4	104.1	130.0
56"		54.3	81.4	108.5	69.4	104.1	130.0
30"	108"	95.6	130.0	130.0	122.3	130.0	130.0
36"		79.7	119.6	130.0	101.9	130.0	130.0
42"		68.3	102.5	130.0	87.4	130.0	130.0
48"		59.8	89.7	119.6	76.4	114.7	130.0
53"		54.1	81.2	108.3	69.2	103.8	130.0

ANCHOR LOAD CAPACITY – PSF POS. (+) & NEG. (–)							
NOMINAL DIMS.		ANCHOR TYPE 'A'			ANCHOR TYPE 'B' & 'C'		
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2/C2	B3/C3	B4/C4
30"	114"	90.6	130.0	130.0	115.9	130.0	130.0
36"		75.5	113.3	130.0	96.6	130.0	130.0
42"		64.7	97.1	129.4	82.8	124.2	130.0
48"		56.6	84.9	113.3	72.4	108.6	130.0
30"	120"	86.1	129.1	130.0	110.1	130.0	130.0
36"		71.7	107.6	130.0	91.7	130.0	130.0
42"		61.5	92.2	123.0	78.6	117.9	130.0
48"		53.8	80.7	107.6	68.8	103.2	130.0

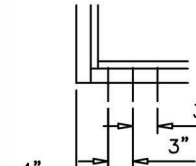


WIDTH (W) = W1
AT FRAME JAMB

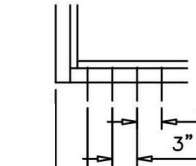
WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



A2, B2, C2



A3, B3, C3



A4, B4, C4

NOTE:
USE SHEAR CLIP UW-403 AT
ANCHOR LOCATIONS OF SUFFICIENT LENGTH
TO COVER ALL ANCHOR SPACINGS

ANCHORS TYPES: SEE SHEET 7 FOR DESCRIPTION

- 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
B4 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C4 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

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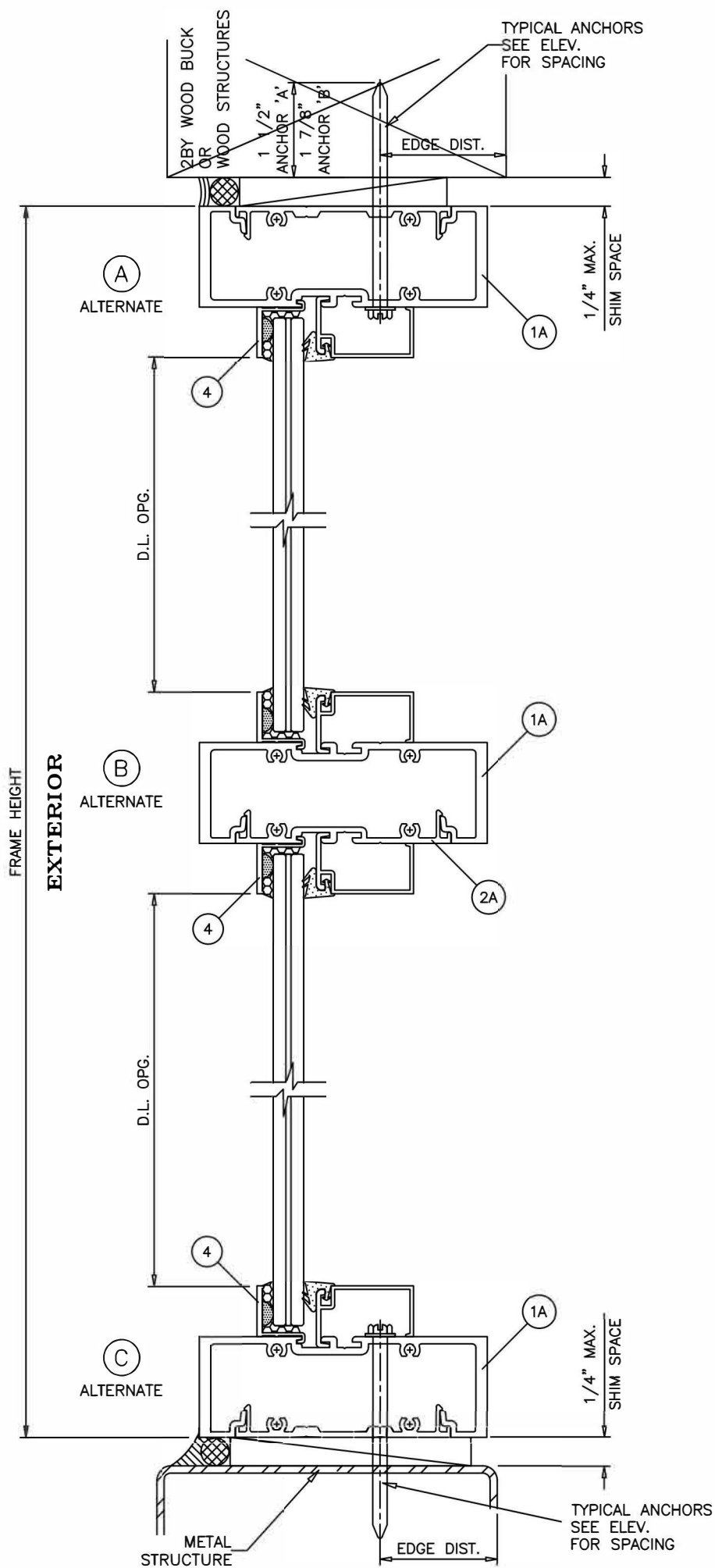
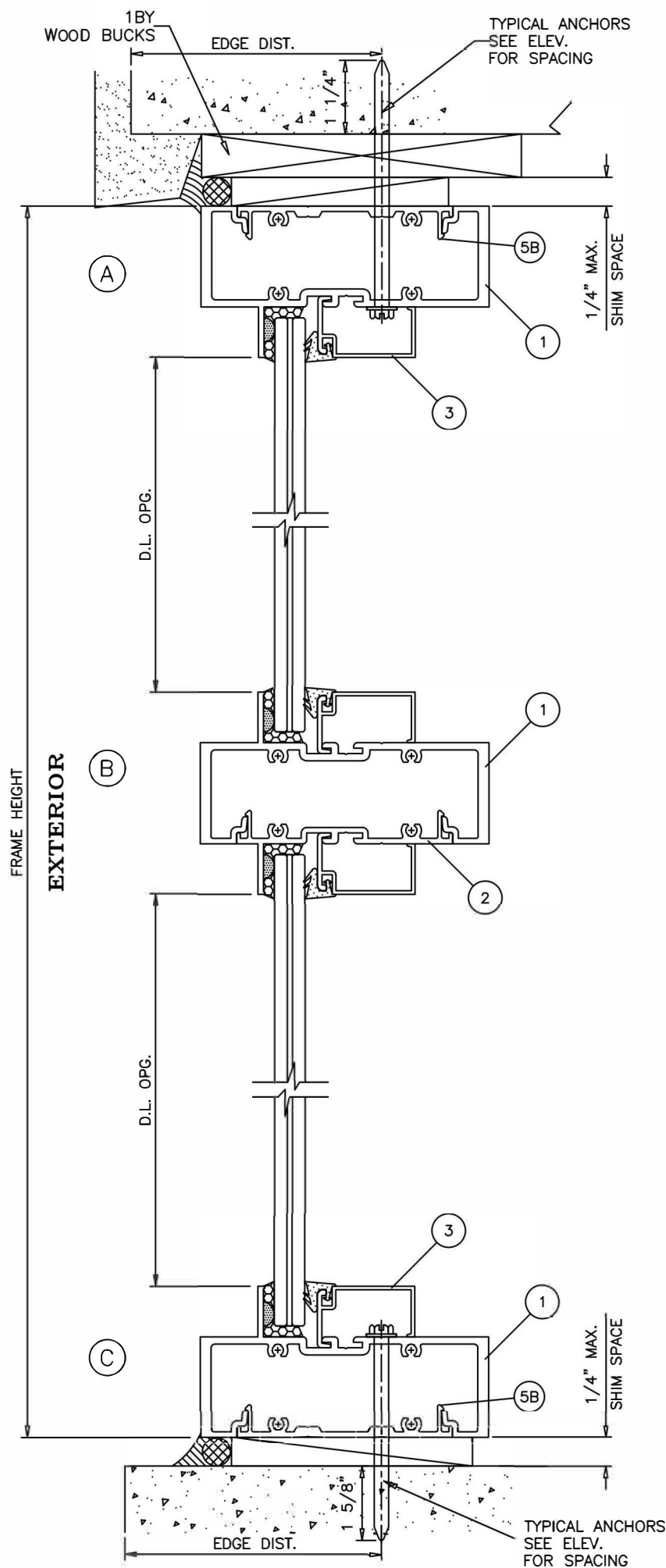
drawing no.	date:	JA-1844-24	drawn by:	MA	check by:	BS	REVISION			
							No.	DATE	BY	DESCRIPTION

SERIES 400:ALUMINUM WINDOW WALL
SYSTEM (S.M.I.)
SMALL MISSILE IMPACT RATED

ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-5299 FAX. (305) 885-5902



SEALED: 12/30/2024



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

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 WOOD BUCKS INTO CONCRETE
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR MASONRY
 1-5/8" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-3/4" MIN. EMBED INTO FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

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

TYPE 'B'

5/16" DIA ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
 INTO WOOD STRUCTURES
 1-7/8" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
 THRU 1BY OR 2BY WOOD BUCKS INTO CONC. OR BLOCKS
 1-1/2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS
 1-5/8" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-3/4" MIN. EMBED INTO FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 3-1/8" MIN.
 INTO WOOD STRUCTURE = 1-1/4" MIN.

TYPE 'C'

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

ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 1/2" 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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JA-1844-24			
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12/30/2024	BY		
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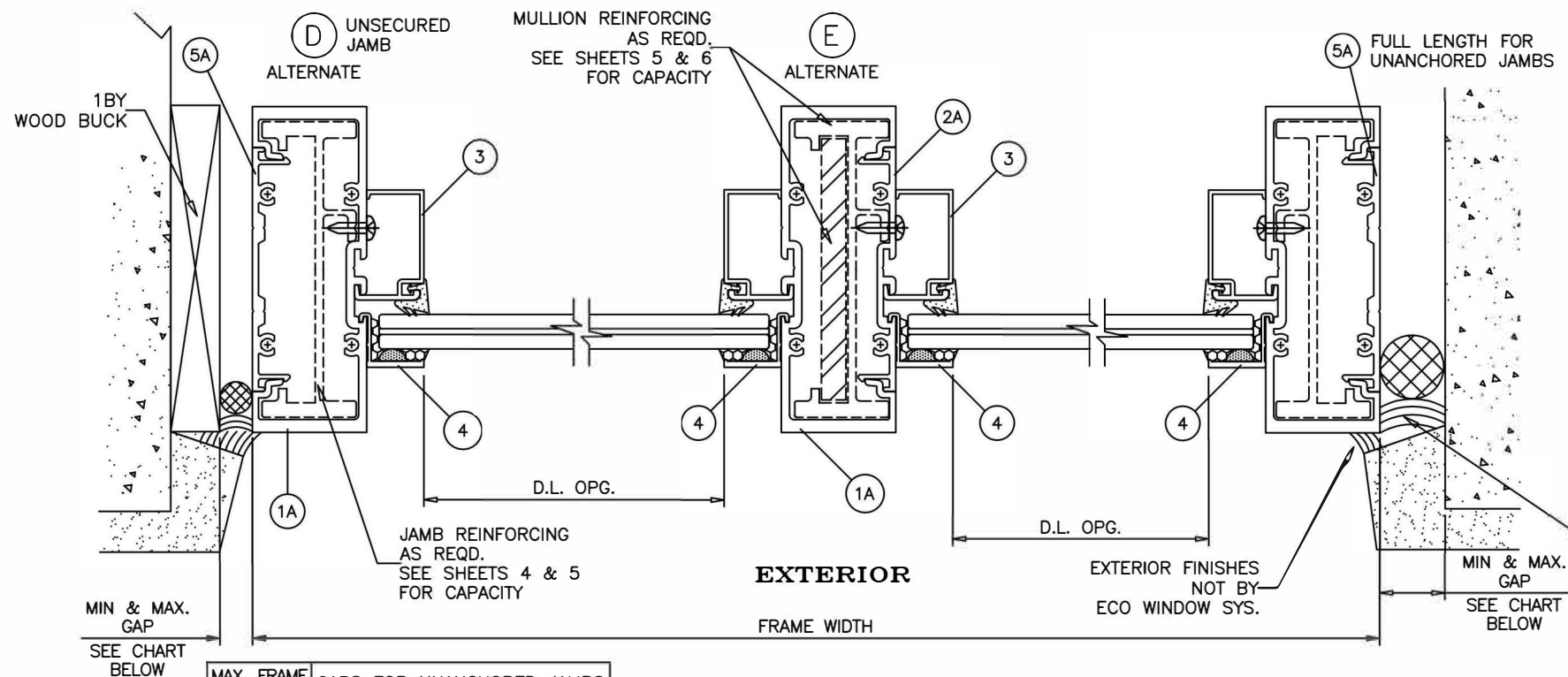
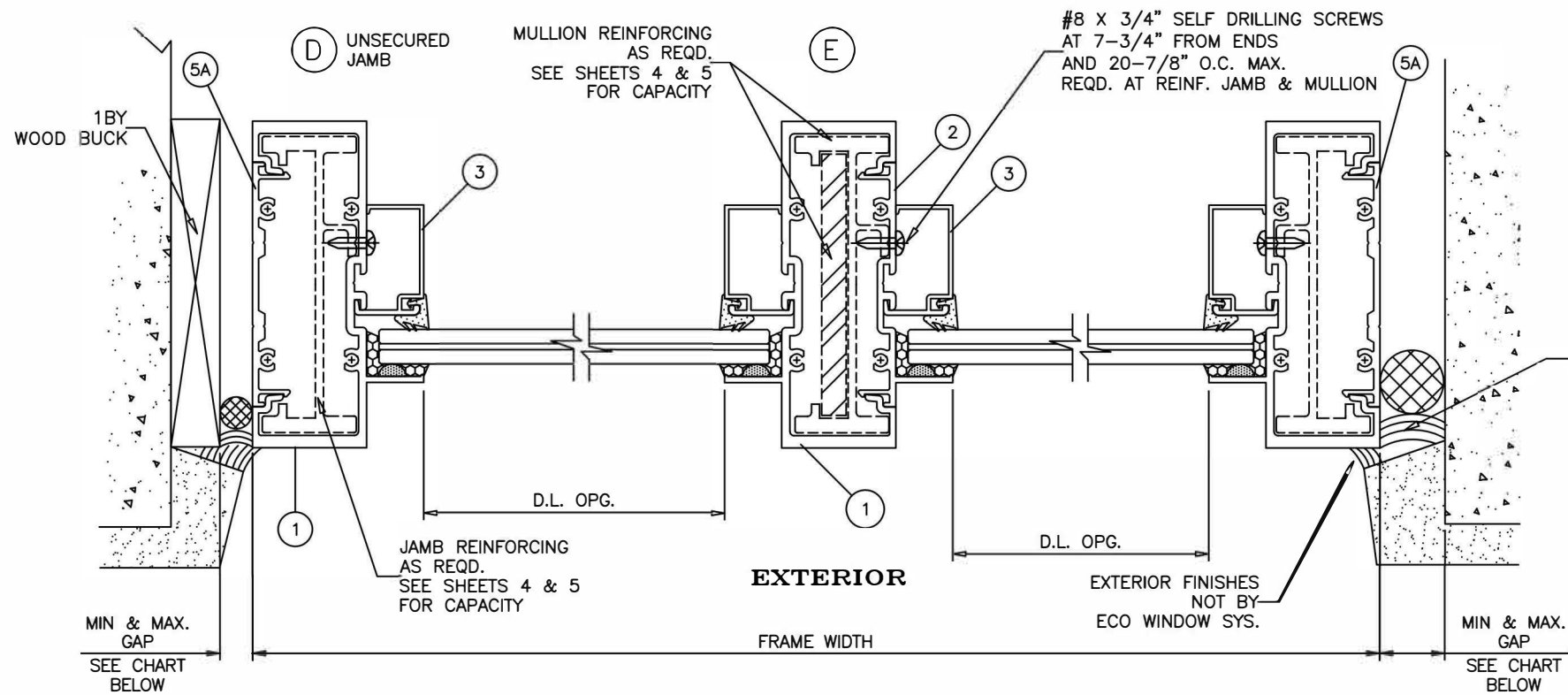


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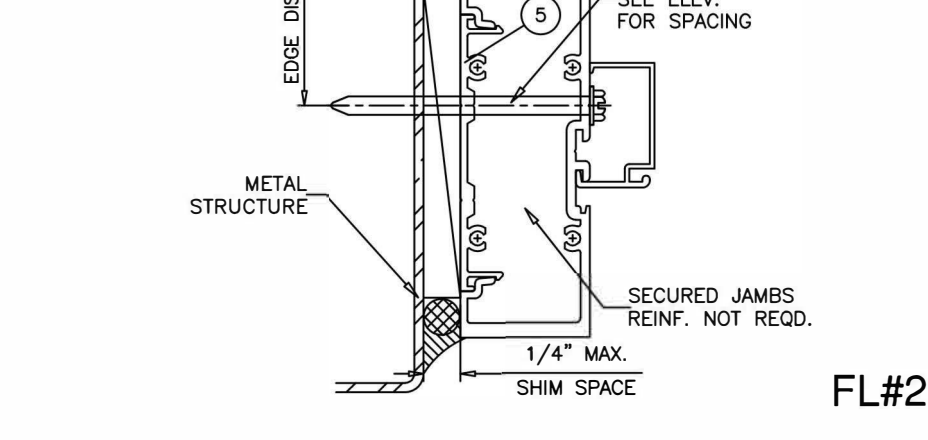
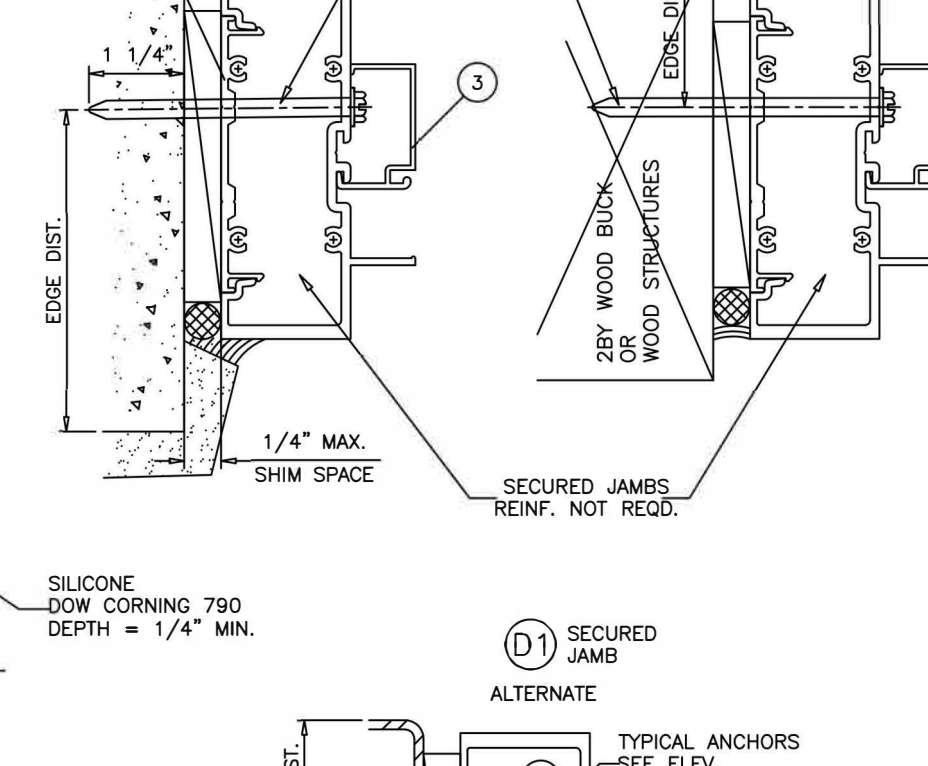
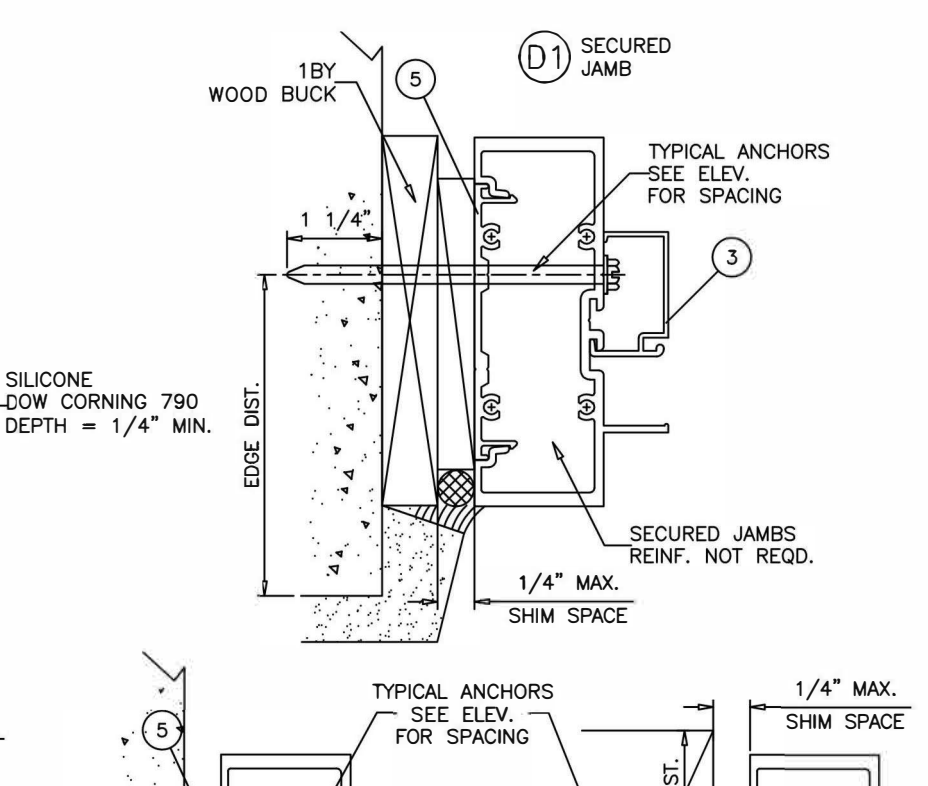
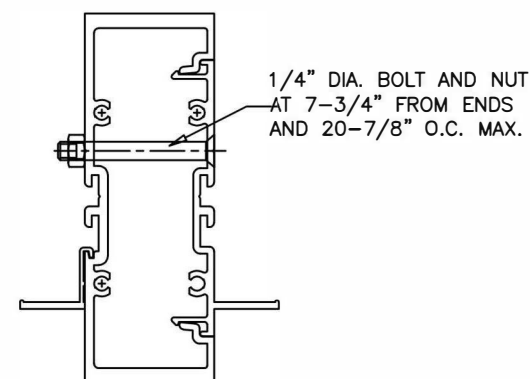
MAX. FRAME HEIGHT UP TO	GAPS FOR UNANCHORED JAMBS	
	MIN.	MAX.
120"	1/4"	1"

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-117.1R-14 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.

REFER TO SHEETS 5 THRU 8 FOR SELECTION OF MULLION/JAMB WITH REINFORCED & UNREINFORCED FRAMES.



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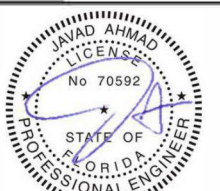
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				No.	

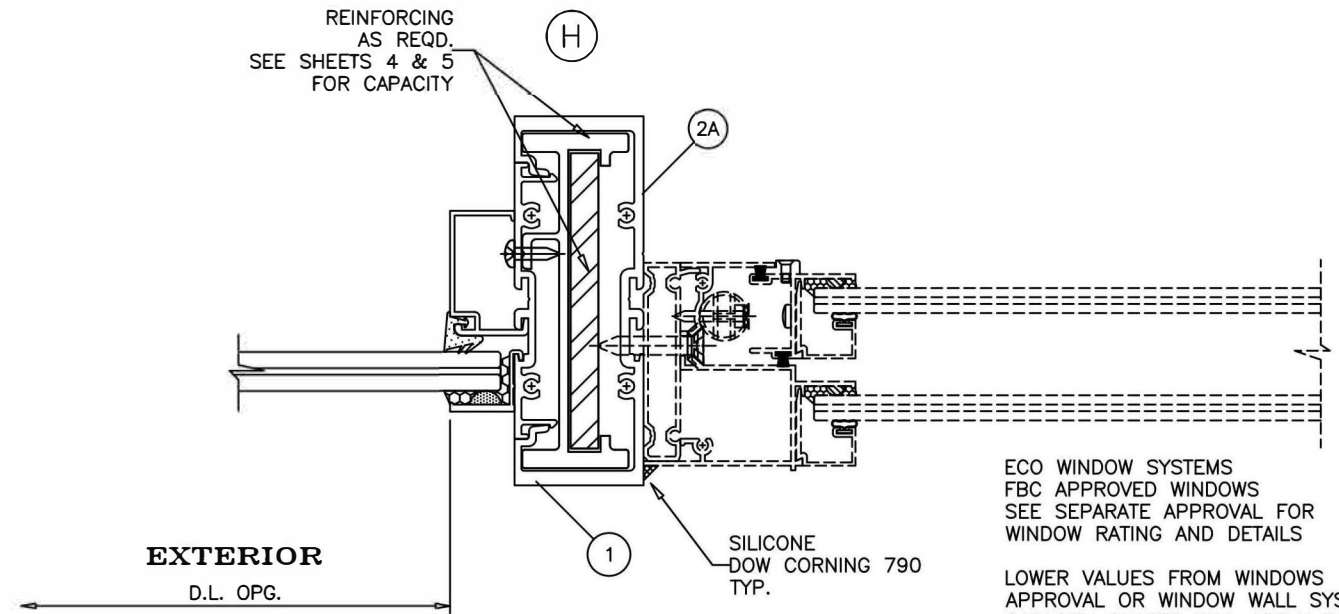
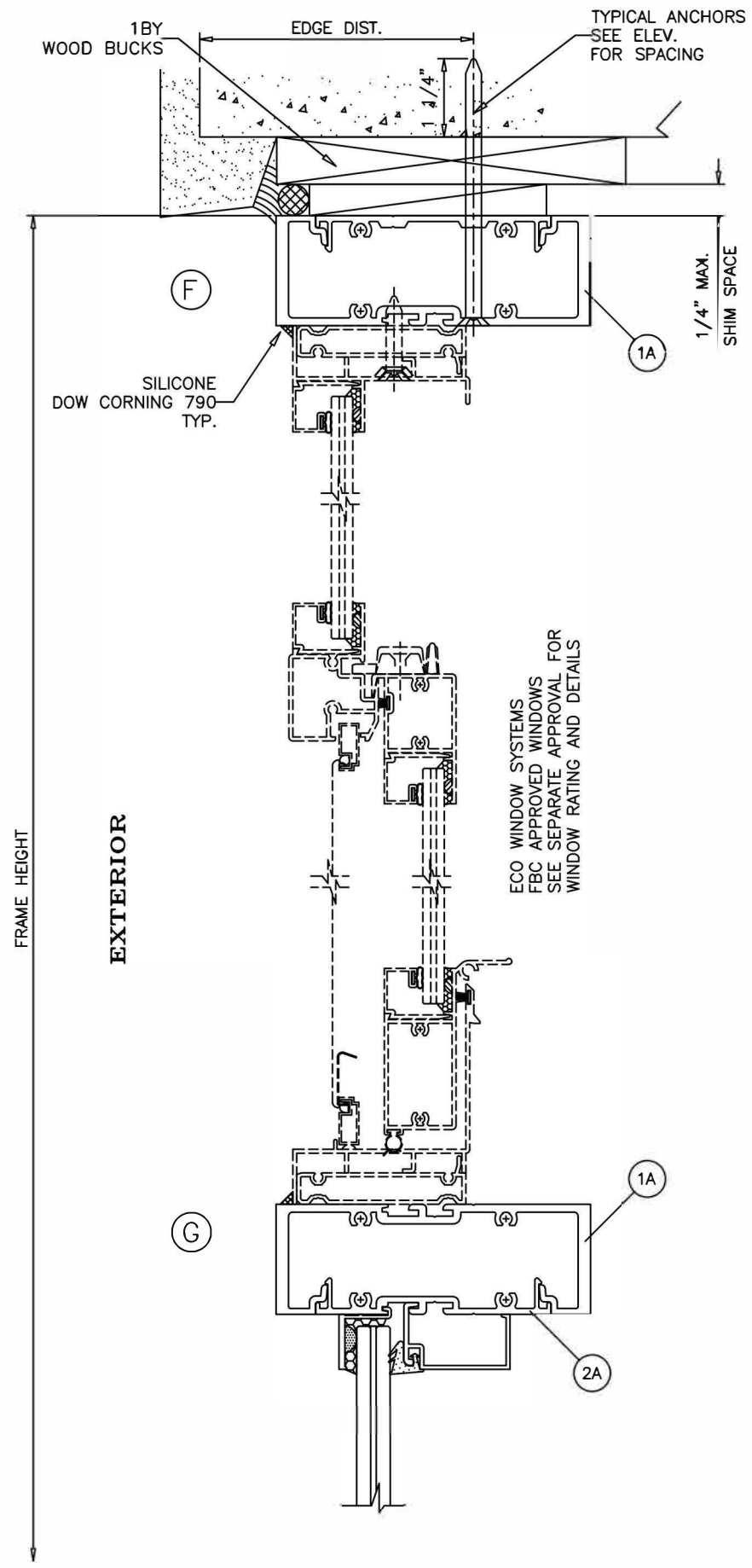
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ECO WINDOW SYSTEMS
FBC APPROVED WINDOWS
SEE SEPARATE APPROVAL FOR
WINDOW RATING AND DETAILS

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

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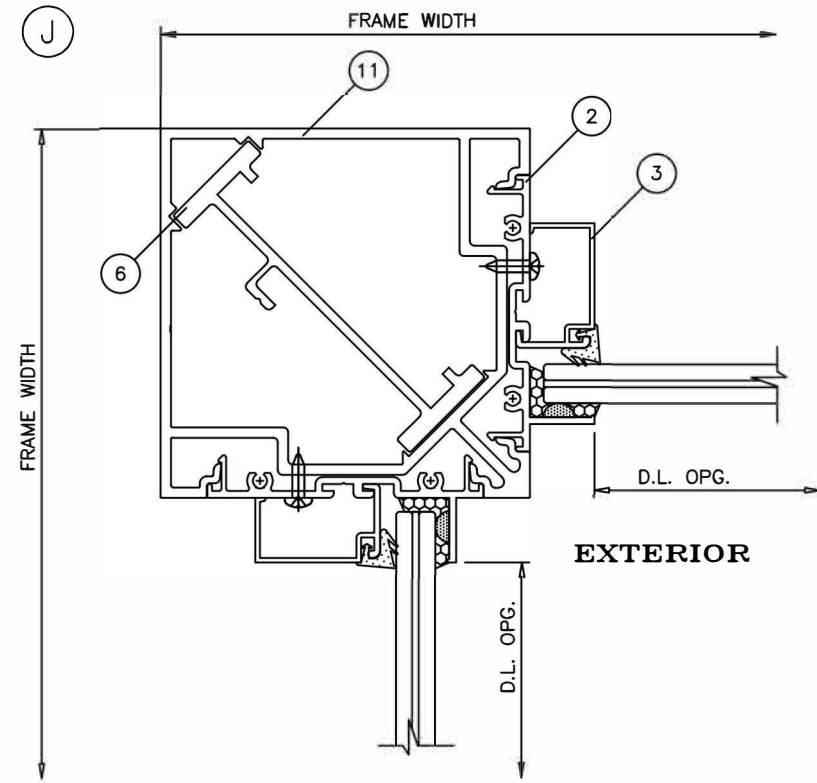
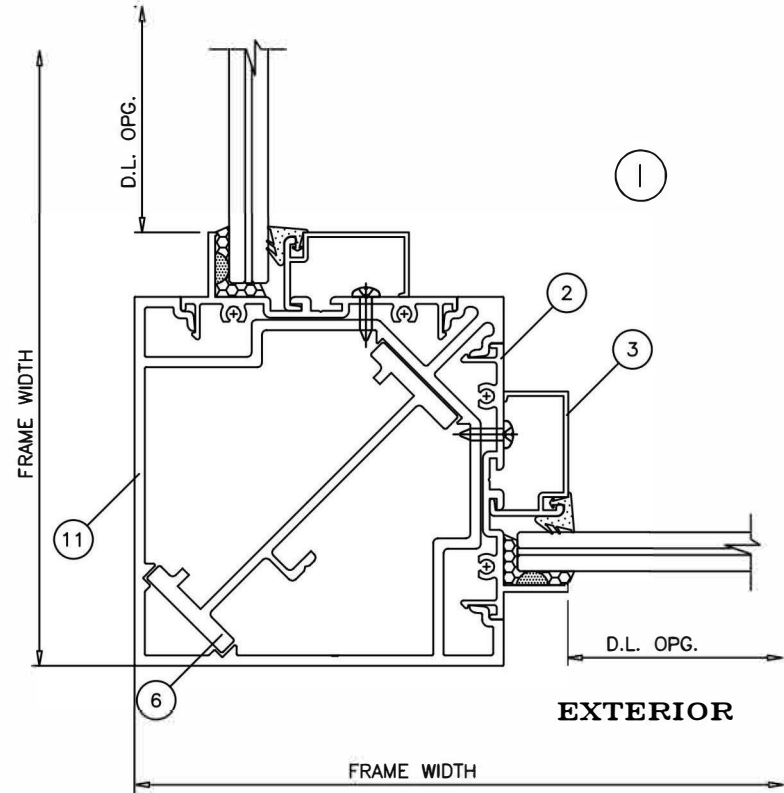
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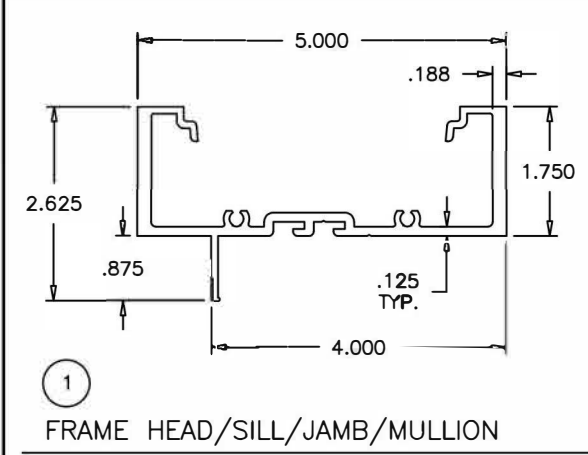
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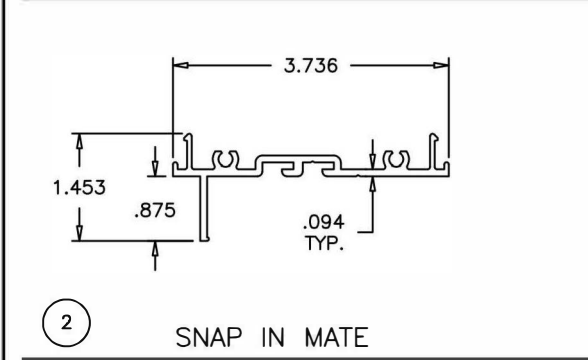
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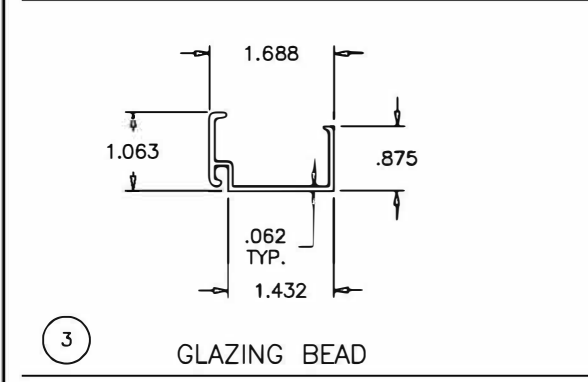
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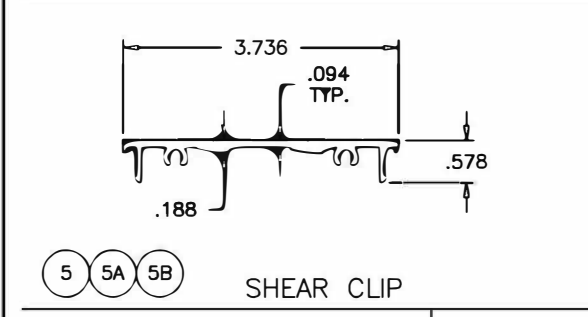
1
FRAME HEAD/SILL/JAMB/MULLION



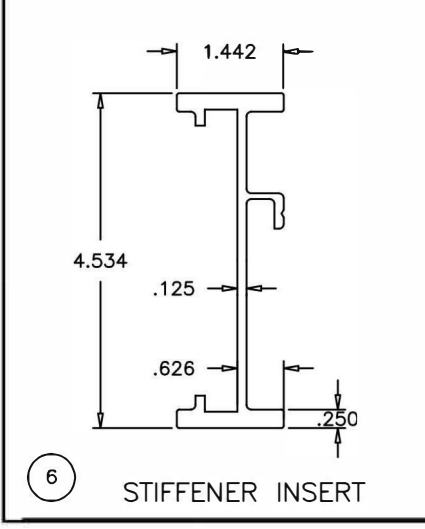
2
SNAP IN MATE



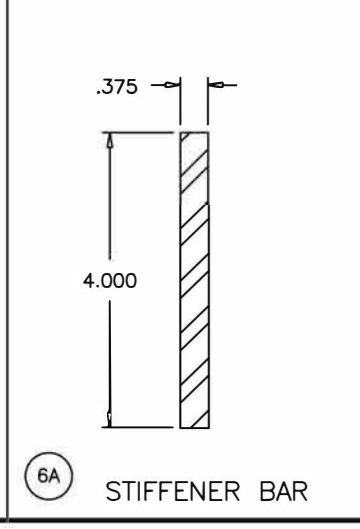
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GLAZING BEAD



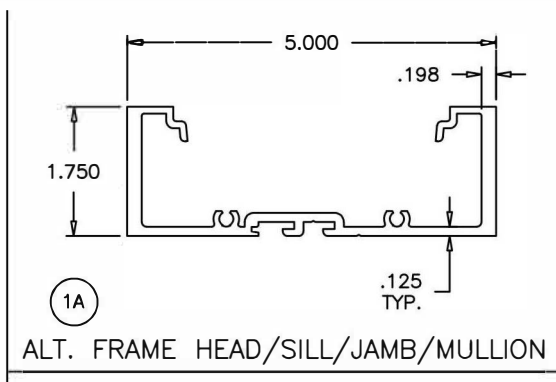
5 5A 5B
SHEAR CLIP



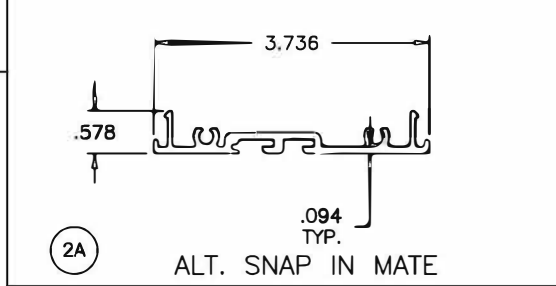
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STIFFENER INSERT



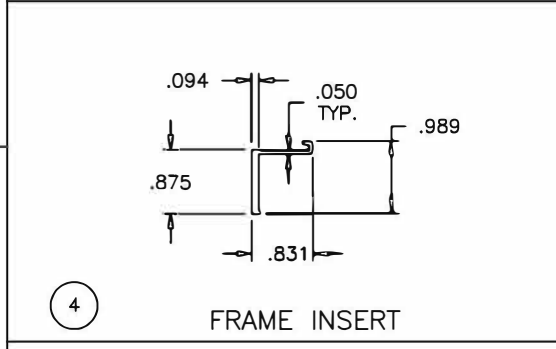
6A
STIFFENER BAR



1A
ALT. FRAME HEAD/SILL/JAMB/MULLION

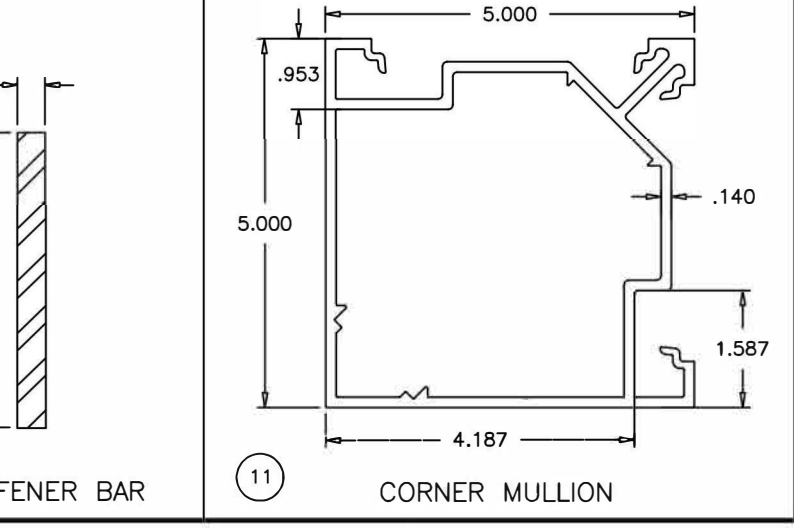


2A
ALT. SNAP IN MATE



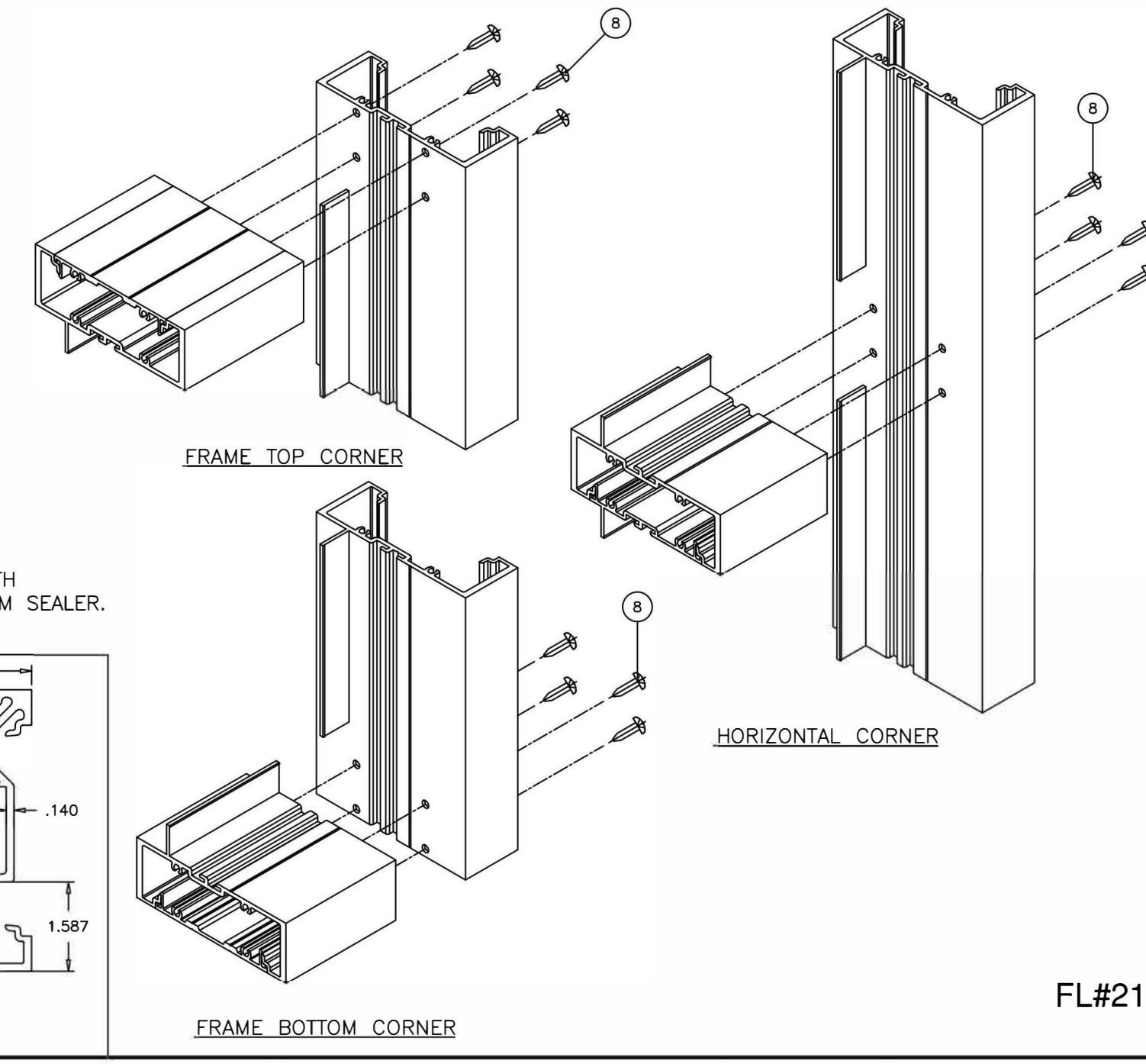
4
FRAME INSERT

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



11
CORNER MULLION

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	UW-401	AS REQD.	FRAME HEAD/SILL/JAMB/MULLION	6063-T6	-
1A	UW-407	AS REQD.	ALT. FRAME HEAD/SILL/JAMB/MULLION	6063-T6	-
2	UW-402	AS REQD.	SNAP-IN MATE	6063-T6	-
2A	UW-402	AS REQD.	ALT. SNAP-IN MATE	6063-T6	-
3	UW-404	AS REQD.	GLAZING BEAD	6063-T6	-
4	UW-408	AS REQD.	FRAME INSERT	6063-T6	-
5	UW-403	AS REQD.	SHEAR CLIP, 3-3/4" LONG AT JAMB ANCHORS	6063-T6	-
5A	UW-403	AS REQD.	SHEAR CLIP, FULL LENGTH	6063-T6	-
5B	UW-403	AS REQD.	SHEAR CLIP, LENGTH VARIES TO COVER ANCHOR SPACINGS	6063-T6	-
6	UW-408	AS REQD.	STIFFENER INSERT	6063-T6	-
6A	-	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")	NEOPRENE	3/16" X 1/2" X 2" LONG
10	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE
11	UW-411	AS REQD.	CORNER MULLION	6063-T6	-



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11	11 of 11			