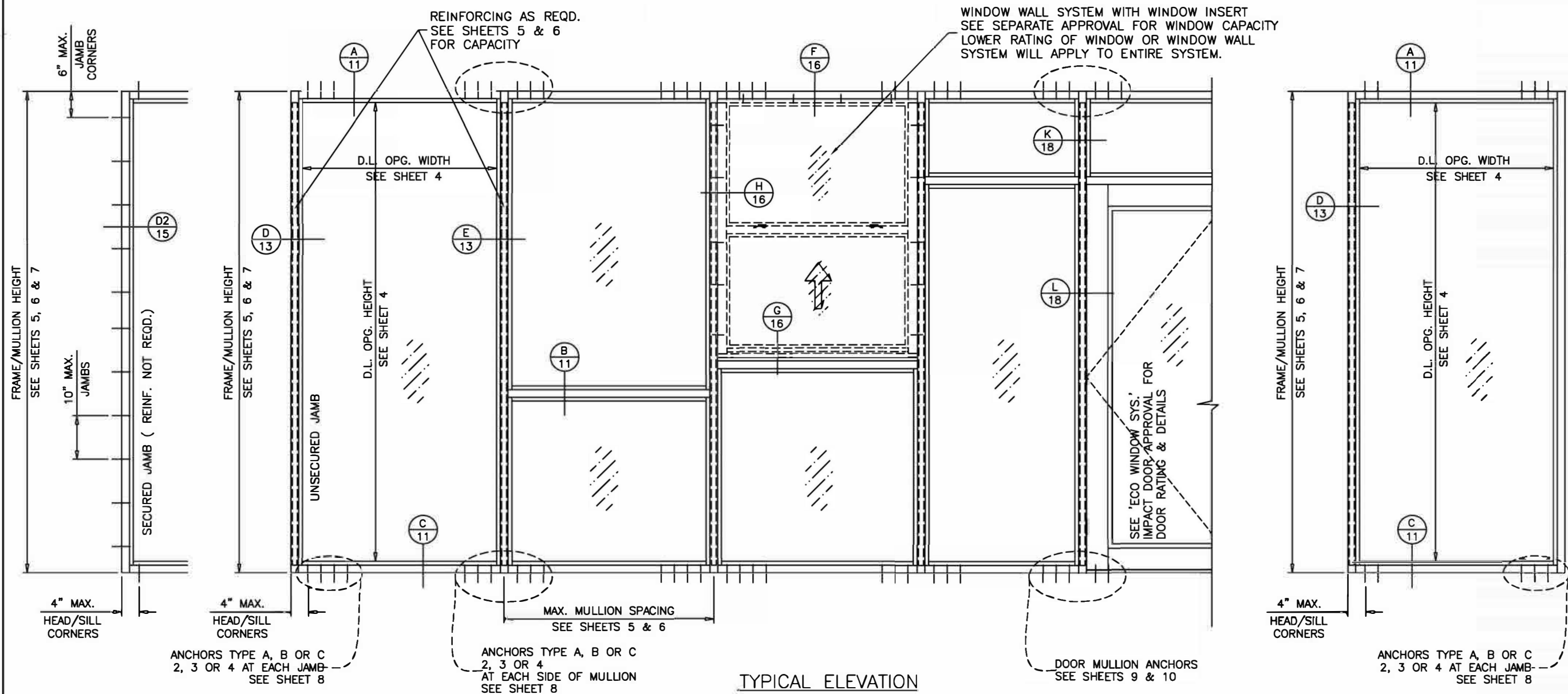




SERIES 400 ALUMINUM WINDOW WALL SYSTEM

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH FBC 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 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 LOADS 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 4 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 5, 6 & 7. 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 5, 6 AND 10.
- STEP 6** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.
- STEP 7** WHEN USING THIS SYSTEM WITH DOORS, THE LOWER VALUE OF THE DESIGN PRESSURE RATING FOR THE SYSTEM AND THE DOOR SHALL APPLY.

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

LARGE 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#21632.1



JAVAD AHMAD PE, inc

7875 NW 12th St., Suite 102 Doral,
FL 33126

Ph: (305) 424-8001

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date:	REVISION	DESCRIPTION	
12/30/2024	BY		
	DATE		
	No.		

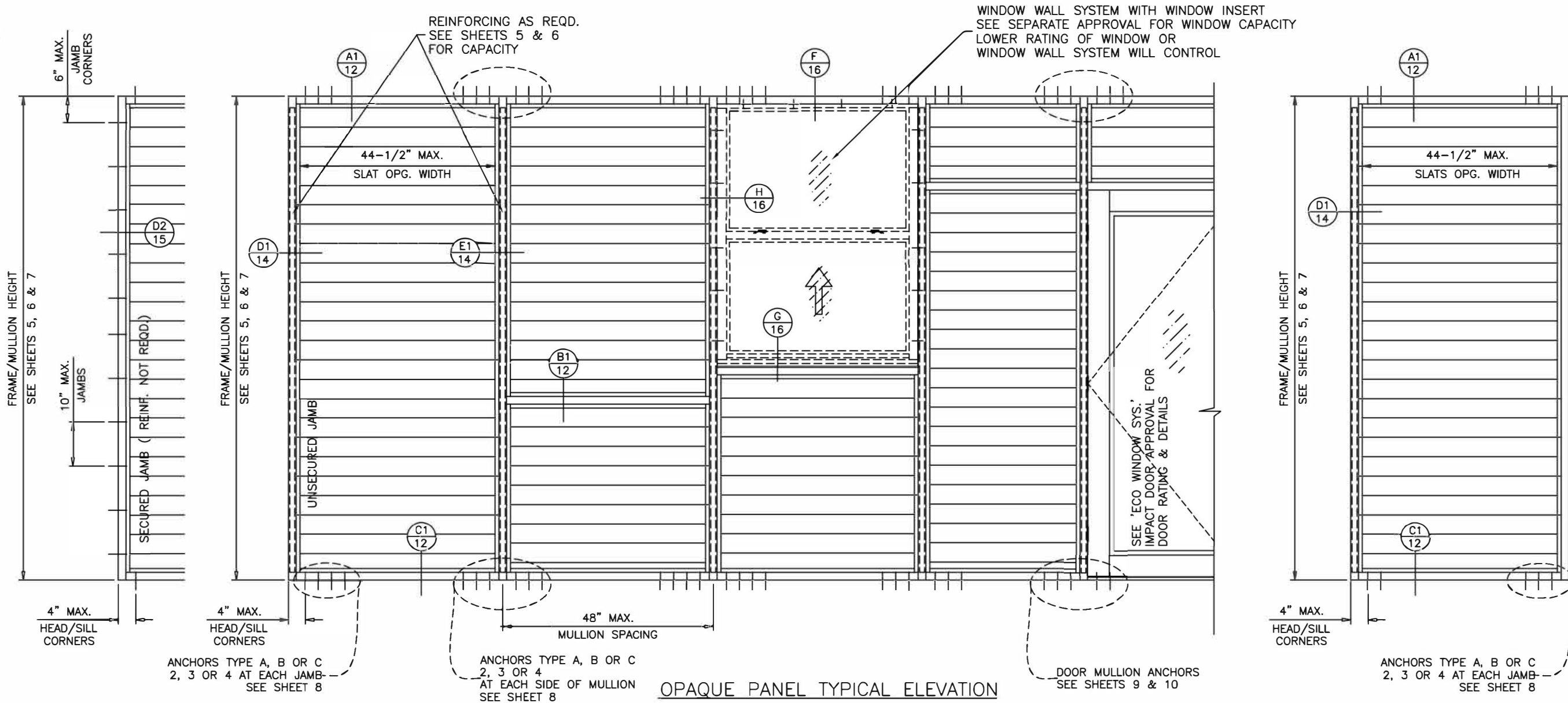
SERIES 400 ALUMINUM WINDOW WALL
SYSTEM (L.M.I.)
LARGE MISSILE IMPACT RATED



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



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OPAQUE PANEL TYPICAL ELEVATION

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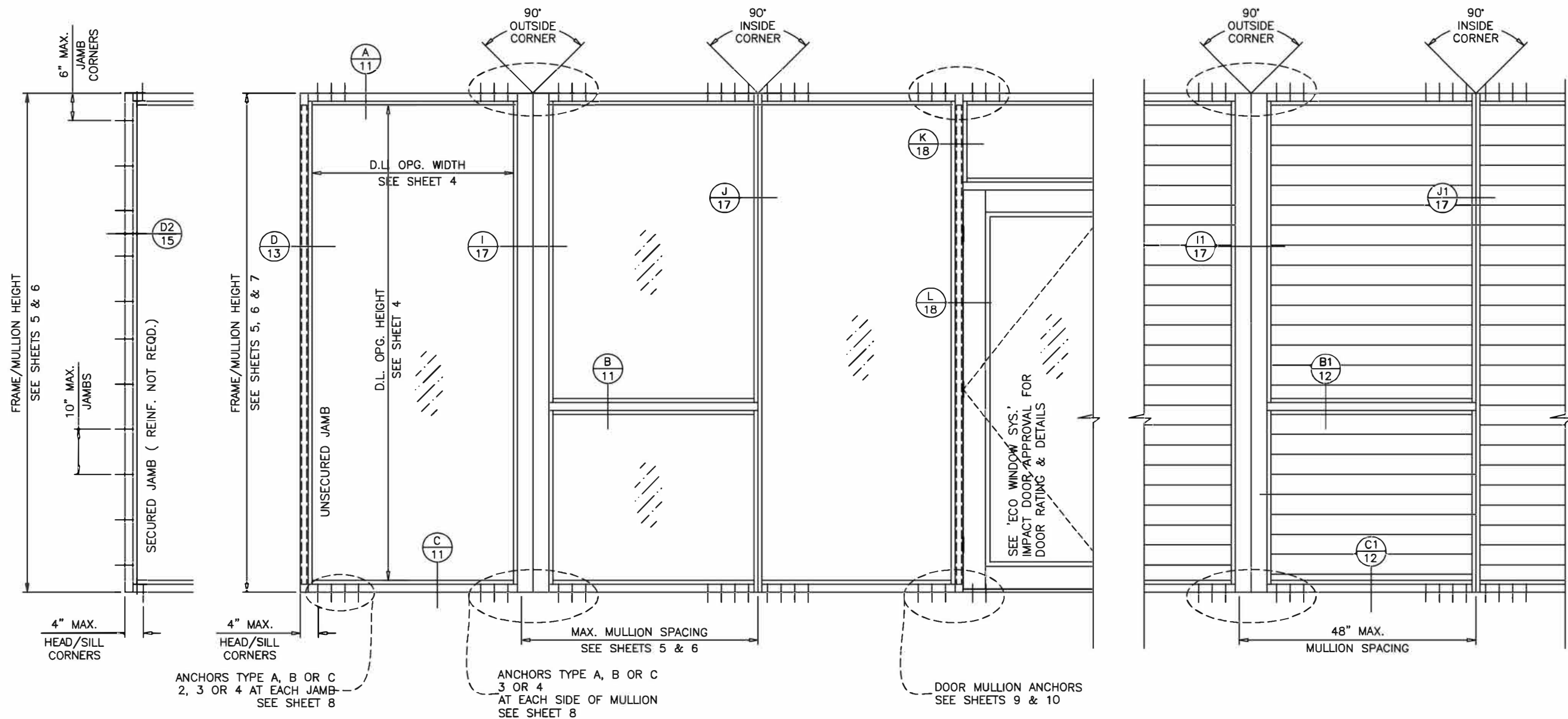
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LARGE MISSILE IMPACT RATED



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



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TYPICAL ELEVATION

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LARGE MISSILE IMPACT RATED



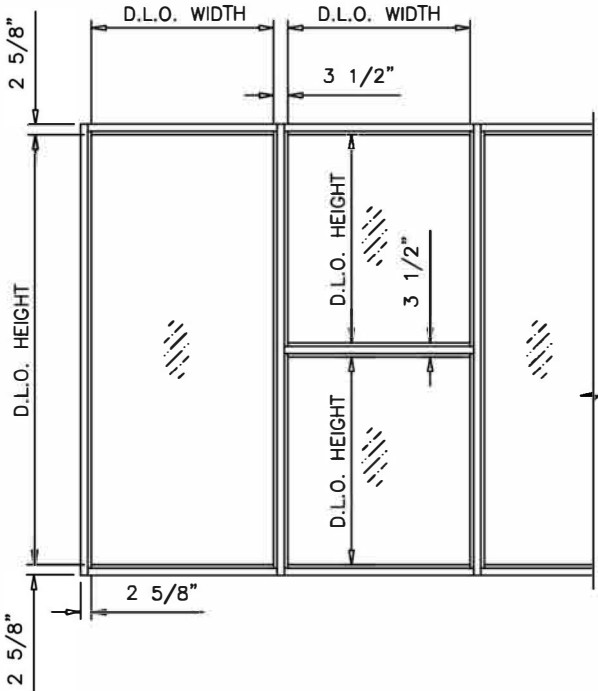
ECO WINDOW SYSTEMS, L.L.C.
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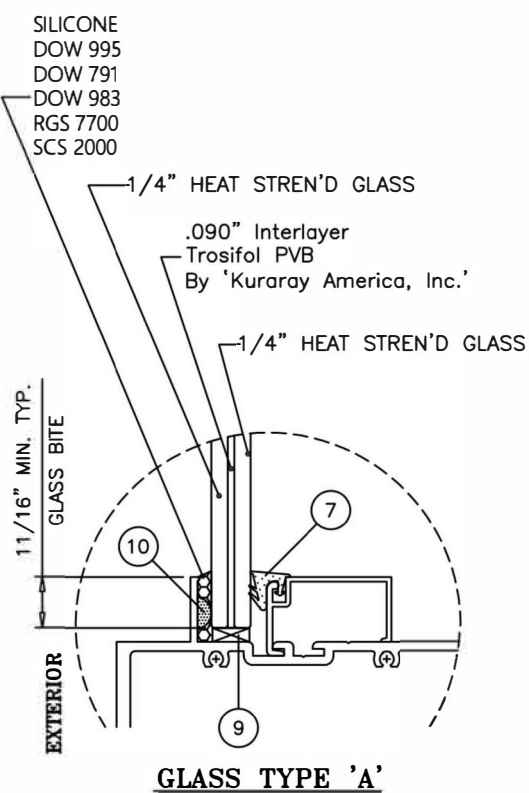
GLASS LOAD CAPACITY – PSF					
NOMINAL DIMS.		GLASS TYPES 'A'		GLASS TYPES 'B' & 'C'	
D.L.O. WIDTH	D.L.O. HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
26–1/2"	78–3/4"	65.0	75.0	80.0	130.0
32–1/2"		65.0	75.0	80.0	130.0
38–1/2"		65.0	75.0	80.0	130.0
44–1/2"		65.0	75.0	80.0	130.0
50–1/2"		65.0	75.0	80.0	130.0
56–1/2"		65.0	75.0	80.0	130.0
26–1/2"	84–3/4"	65.0	75.0	80.0	130.0
32–1/2"		65.0	75.0	80.0	130.0
38–1/2"		65.0	75.0	80.0	130.0
44–1/2"		65.0	75.0	80.0	130.0
50–1/2"		65.0	75.0	80.0	130.0
56–1/2"		65.0	75.0	80.0	100.0
26–1/2"	90–3/4"	65.0	75.0	80.0	130.0
32–1/2"		65.0	75.0	80.0	130.0
38–1/2"		65.0	75.0	80.0	130.0
44–1/2"		65.0	75.0	80.0	130.0
50"		65.0	75.0	80.0	130.0
56–1/2"		65.0	75.0	80.0	100.0
26–1/2"	96–3/4"	65.0	75.0	80.0	130.0
32–1/2"		65.0	75.0	80.0	130.0
38–1/2"		65.0	75.0	80.0	130.0
44–1/2"		65.0	75.0	80.0	130.0
47"		65.0	75.0	80.0	130.0
52–1/2"		65.0	75.0	80.0	100.0
26–1/2"	102–3/4"	65.0	75.0	80.0	130.0
32–1/2"		65.0	75.0	80.0	130.0
38–1/2"		65.0	75.0	80.0	130.0
44"		65.0	75.0	80.0	130.0
44–1/2"		65.0	75.0	80.0	100.0
49"		65.0	75.0	80.0	100.0
50–1/2"	108–3/4"	–	–	70.0	70.0
56–1/2"		–	–	70.0	70.0
26–1/2"		65.0	75.0	80.0	130.0
32–1/2"		65.0	75.0	80.0	130.0
38–1/2"		65.0	75.0	80.0	130.0
41"		65.0	75.0	80.0	130.0
44–1/2"	114–3/4"	65.0	75.0	80.0	100.0
47"		65.0	75.0	80.0	100.0
50–1/2"		–	–	70.0	70.0
56–1/2"		–	–	70.0	70.0
26–1/2"		65.0	75.0	80.0	130.0
32–1/2"		65.0	75.0	80.0	130.0
38–1/2"	120–3/4"	65.0	75.0	80.0	100.0
42"		65.0	75.0	80.0	100.0
44–1/2"		–	–	70.0	70.0
50–1/2"		–	–	70.0	70.0
56–1/2"		–	–	70.0	70.0
26–1/2"	126–3/4"	65.0	75.0	80.0	130.0
32–1/2"		65.0	75.0	80.0	130.0
35"		65.0	75.0	80.0	130.0
38–1/2"		65.0	75.0	80.0	100.0
40"		65.0	75.0	80.0	100.0
44–1/2"	150–3/4"	–	–	70.0	70.0
50–1/2"		–	–	70.0	70.0
56–1/2"		–	–	70.0	70.0
26–1/2"		–	–	70.0	70.0
32–1/2"		–	–	70.0	70.0
35"		–	–	70.0	70.0
38–1/2"		–	–	70.0	70.0
40"		–	–	70.0	70.0
44–1/2"		–	–	70.0	70.0
50–1/2"		–	–	70.0	70.0
56–1/2"		–	–	70.0	70.0
56–1/2"		–	–	70.0	70.0

GLASS LOAD CAPACITY – PSF					
NOMINAL DIMS.		GLASS TYPES 'A'		GLASS TYPES 'B' & 'C'	
D.L.O. WIDTH	D.L.O. HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
26–1/2"	78–3/4"	65.0	75.0	80.0	130.0
32–1/2"		65.0	75.0	80.0	130.0
37"		65.0	75.0	80.0	130.0
38–1/2"		65.0	75.0	80.0	100.0
42"		65.0	75.0	80.0	100.0
44–1/2"		–	–	70.0	70.0
50–1/2"	84–3/4"	–	–	70.0	70.0
56–1/2"		–	–	70.0	70.0
26–1/2"		65.0	75.0	80.0	130.0
32–1/2"		65.0	75.0	80.0	130.0
35"		65.0	75.0	80.0	130.0
38–1/2"	126–3/4"	65.0	75.0	80.0	100.0
40"		65.0	75.0	80.0	100.0
44–1/2"		–	–	70.0	70.0
50–1/2"		–	–	70.0	70.0
56–1/2"		–	–	70.0	70.0
26–1/2"	150–3/4"	–	–	70.0	70.0
32–1/2"		–	–	70.0	70.0
35"		–	–	70.0	70.0
38–1/2"		–	–	70.0	70.0
40"		–	–	70.0	70.0
44–1/2"		–	–	70.0	70.0
50–1/2"		–	–	70.0	70.0
56–1/2"		–	–	70.0	70.0
56–1/2"		–	–	70.0	70.0
56–1/2"		–	–	70.0	70.0
56–1/2"		–	–	70.0	70.0
56–1/2"		–	–	70.0	70.0

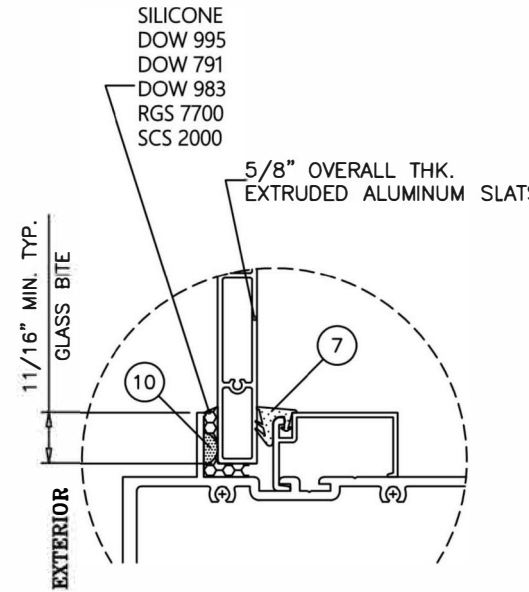


NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300–16 (3 SEC. GUSTS).

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



GLASS TYPE 'A'

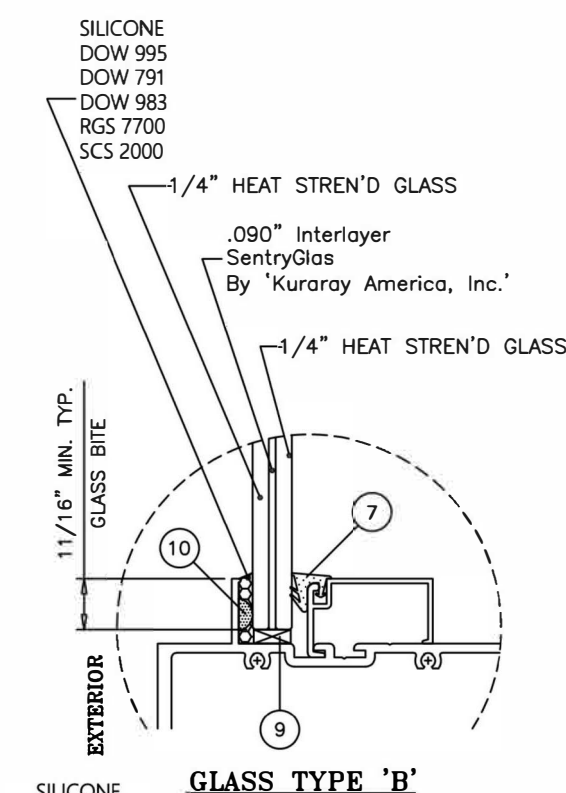


ALUMINUM SLATS

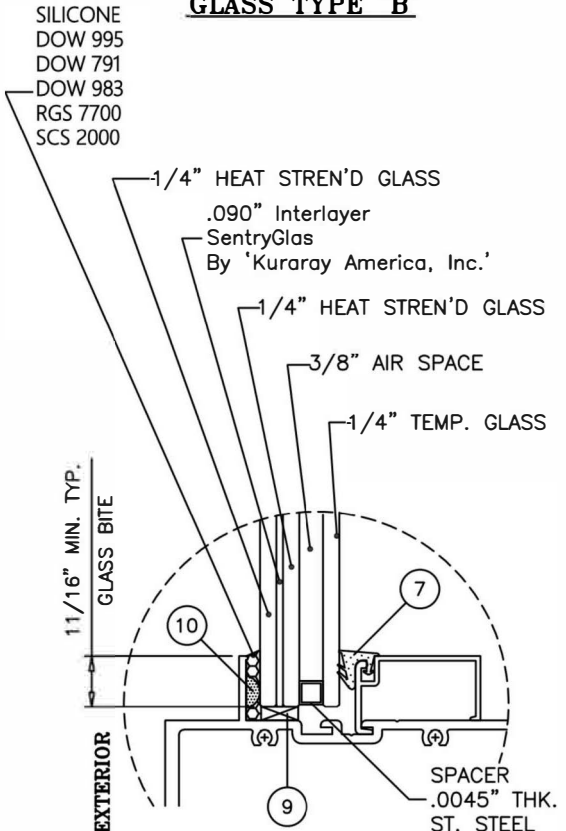
LIMITATIONS:
MAX. SLATS OPG. WIDTH = 44–1/2"
MAX. FRAME HEIGHT = 120 INCHES
MAX. DESIGN LOAD = ± 80.0 PSF

NOT APPROVED FOR
UNSECURED JAMB 'J1' AND MULLION 'M1'

FOR MULLION 'M2' ONLY
LIMIT MAX. POS. LOAD TO +74.8 PSF



GLASS TYPE 'B'



GLASS TYPE 'C'

GLAZING OPTIONS

FL#21632.1



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FL 33126
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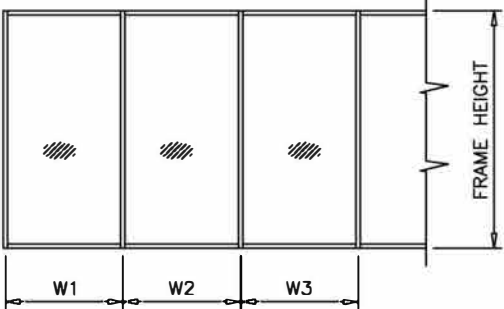
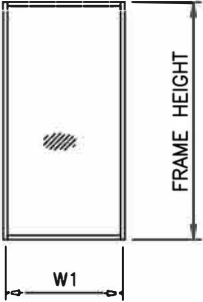
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LARGE MISSILE IMPACT RATED

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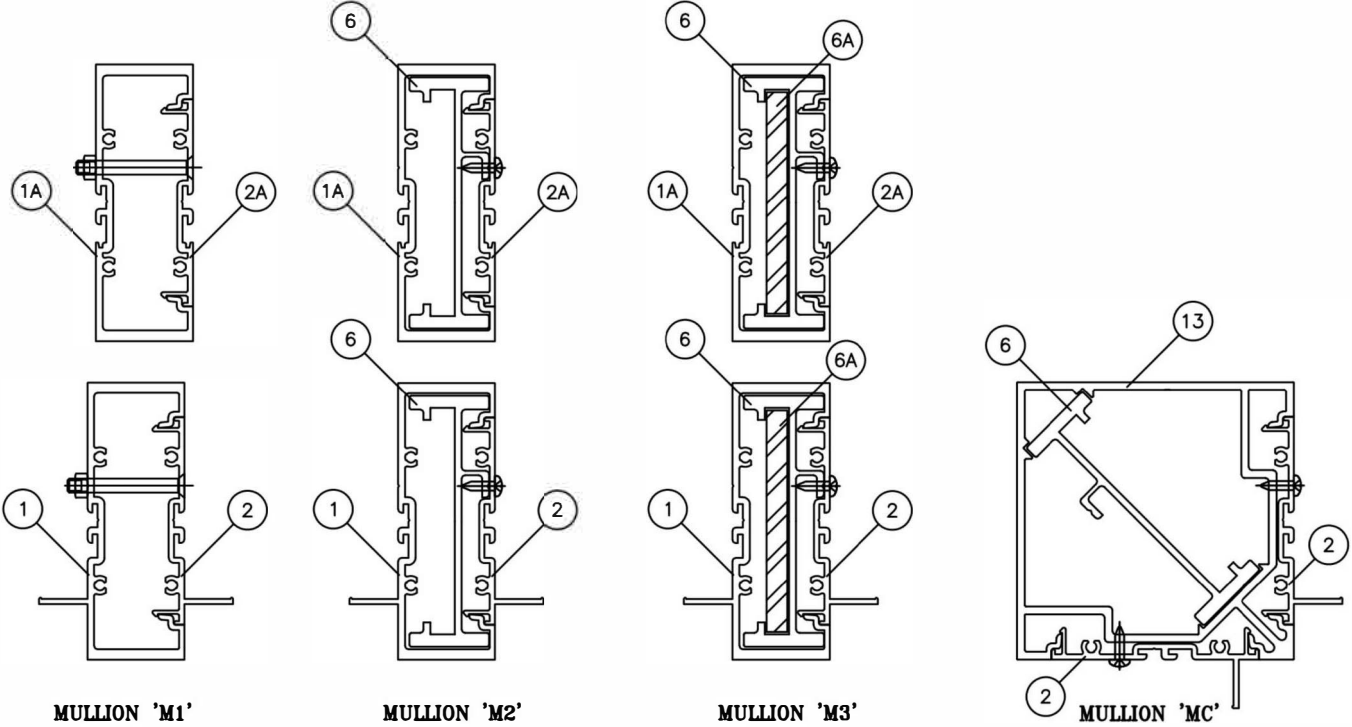
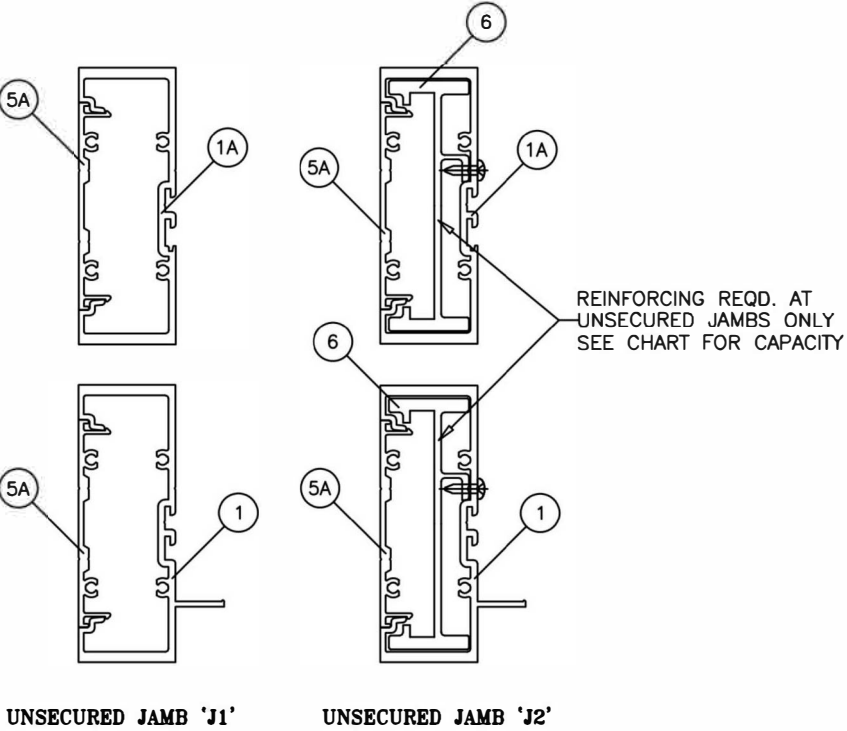
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JAMB & MULLION LOAD CAPACITY – PSF									
JAMBS & MULLIONS WITHOUT INTERMEDIATE HORIZONTALS									
NOMINAL DIMS.		JAMB 'J1' MULL 'M1'		JAMB 'J2' MULL 'M2'		JAMB 'J2' MULL 'M3'		MULL 'MC'	
WIDTH (W)	FRAME HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
30"	84"	80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
36"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
42"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
48"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
54"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
60"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
30"	90"	80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
36"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
42"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
48"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
54"		80.0	97.7	80.0	100.0	80.0	130.0	80.0	120.0
60"		80.0	90.9	80.0	100.0	80.0	130.0	80.0	120.0
30"	96"	80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
36"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
42"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
48"		80.0	92.1	80.0	100.0	80.0	130.0	80.0	120.0
54"		80.0	83.9	80.0	100.0	80.0	130.0	80.0	120.0
60"		77.7	77.7	80.0	100.0	80.0	130.0	80.0	120.0
30"	102"	80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
36"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
42"		80.0	90.1	80.0	100.0	80.0	130.0	80.0	120.0
48"		80.0	80.2	80.0	100.0	80.0	130.0	80.0	120.0
54"		72.9	72.9	80.0	100.0	80.0	130.0	80.0	120.0
56"		70.8	70.8	80.0	100.0	80.0	130.0	80.0	120.0
60"		–	–	–	–	80.0	130.0	80.0	120.0
30"	108"	80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
36"		80.0	91.3	80.0	100.0	80.0	130.0	80.0	120.0
42"		79.3	79.3	80.0	100.0	80.0	130.0	80.0	120.0
48"		70.5	70.5	80.0	100.0	80.0	130.0	80.0	120.0
53"		64.8	64.8	80.0	99.5	80.0	125.3	80.0	120.0
54"		–	–	–	–	80.0	123.4	80.0	120.0
56"		–	–	–	–	80.0	120.0	80.0	120.0
60"		–	–	–	–	80.0	113.4	–	–
30"	114"	80.0	96.4	80.0	100.0	80.0	100.0	80.0	120.0
36"		80.0	81.1	80.0	100.0	80.0	100.0	80.0	120.0
42"		70.4	70.4	80.0	100.0	80.0	100.0	80.0	120.0
48"		62.4	62.4	80.0	95.6	80.0	100.0	80.0	120.0
50"		60.3	60.3	80.0	92.3	80.0	100.0	80.0	120.0
54"		–	–	–	–	80.0	80.0	80.0	120.0
60"		–	–	–	–	80.0	80.0	–	–
30"	120"	80.0	82.4	80.0	100.0	80.0	100.0	80.0	120.0
36"		69.5	69.5	80.0	100.0	80.0	100.0	80.0	120.0
42"		60.3	60.3	80.0	96.0	80.0	100.0	80.0	120.0
48"		53.6	53.6	80.0	85.1	80.0	100.0	80.0	120.0
51-7/8"		–	–	–	–	80.0	80.0	80.0	120.0
54"		–	–	–	–	80.0	80.0	–	–
60"		–	–	–	–	80.0	80.0	–	–
30"	126"	–	–	–	–	80.0	80.0	–	–
36"		–	–	–	–	80.0	80.0	–	–
42"		–	–	–	–	80.0	80.0	–	–
30"	132"	–	–	–	–	80.0	80.0	–	–
36"		–	–	–	–	80.0	80.0	–	–
42"		–	–	–	–	80.0	80.0	–	–



WIDTH (W) = W1
AT FRAME JAMB

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



FL#21632.1



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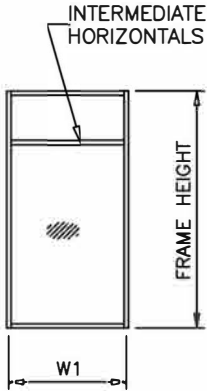
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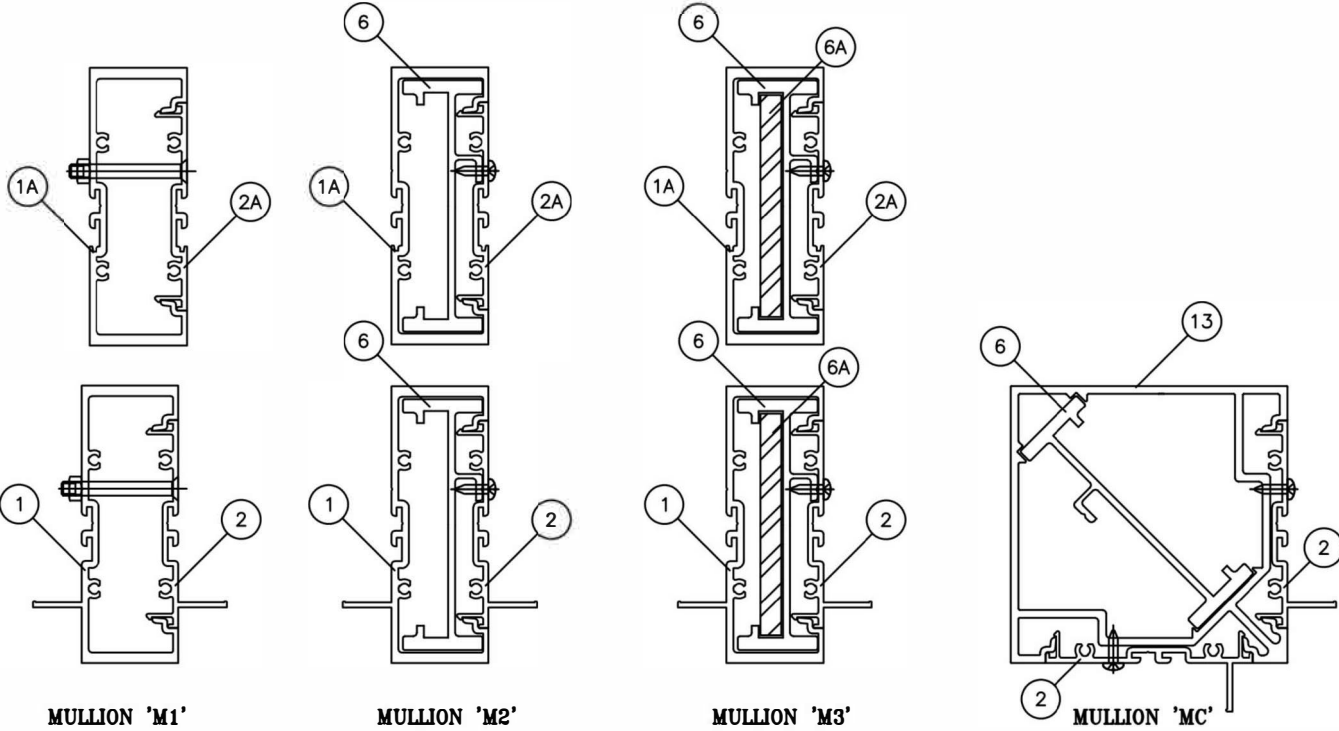
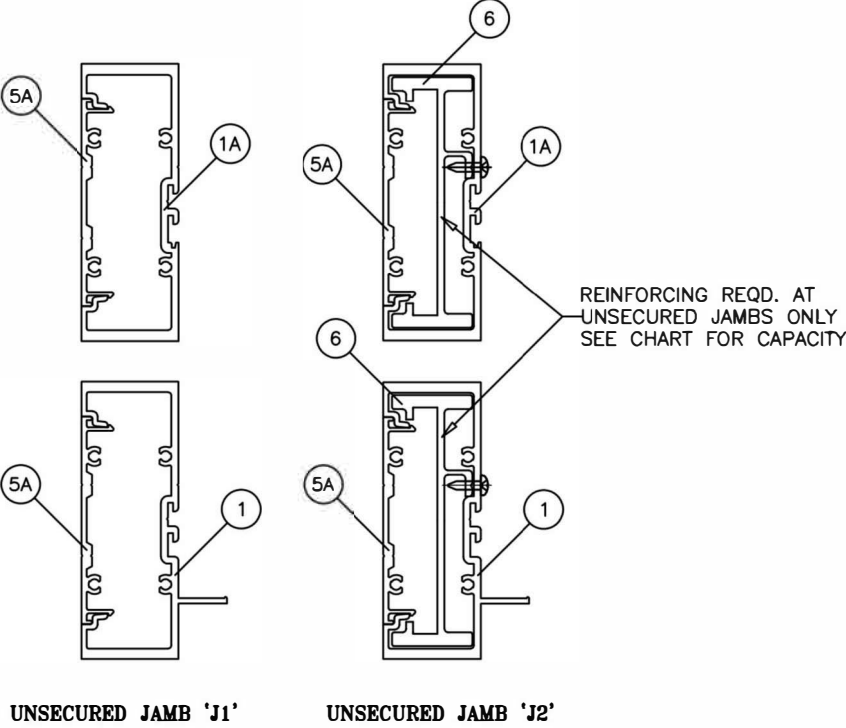
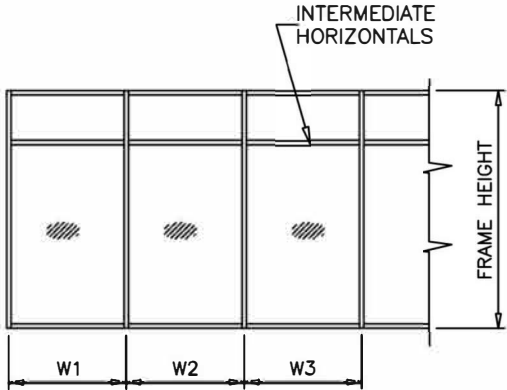
SEALED: 12/30/2024

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"	80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
36"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
42"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
48"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
54"		80.0	99.6	80.0	100.0	80.0	130.0	80.0	120.0
60"		80.0	89.7	80.0	100.0	80.0	130.0	80.0	120.0
30"	90"	80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
36"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
42"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
48"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
54"		80.0	86.2	80.0	100.0	80.0	130.0	80.0	120.0
60"		77.6	77.6	80.0	100.0	80.0	130.0	80.0	120.0
30"	96"	80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
36"		80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
42"		80.0	96.7	80.0	100.0	80.0	130.0	80.0	120.0
48"		80.0	84.6	80.0	100.0	80.0	130.0	80.0	120.0
54"		75.2	75.2	80.0	100.0	80.0	130.0	80.0	120.0
60"		67.7	67.7	80.0	100.0	80.0	129.1	80.0	120.0
30"	102"	80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
36"		80.0	99.3	80.0	100.0	80.0	130.0	80.0	120.0
42"		80.0	85.1	80.0	100.0	80.0	130.0	80.0	120.0
48"		74.5	74.5	80.0	100.0	80.0	130.0	80.0	120.0
54"		66.2	66.2	80.0	100.0	80.0	127.1	80.0	120.0
56"		63.8	63.8	80.0	98.1	80.0	122.5	80.0	120.0
60"		-	-	-	-	80.0	114.3	80.0	120.0
30"	108"	80.0	100.0	80.0	100.0	80.0	130.0	80.0	120.0
36"		80.0	88.0	80.0	100.0	80.0	130.0	80.0	120.0
42"		75.4	75.4	80.0	100.0	80.0	130.0	80.0	120.0
48"		66.0	66.0	80.0	100.0	80.0	127.5	80.0	120.0
53"		59.8	59.8	80.0	91.7	80.0	115.5	80.0	120.0
54"		-	-	-	-	80.0	114.0	80.0	120.0
56"		-	-	-	-	80.0	113.3	80.0	120.0
60"		-	-	-	-	80.0	102.0	-	-
30"	114"	80.0	94.0	80.0	100.0	80.0	100.0	80.0	120.0
36"		78.3	78.3	80.0	100.0	80.0	100.0	80.0	120.0
42"		67.1	67.1	80.0	100.0	80.0	100.0	80.0	120.0
48"		58.7	58.7	80.0	90.1	80.0	100.0	80.0	120.0
50"		56.4	56.4	80.0	86.5	80.0	100.0	80.0	120.0
54"		-	-	-	-	80.0	80.0	80.0	120.0
60"		-	-	-	-	80.0	80.0	-	-
30"	120"	80.0	80.6	80.0	100.0	80.0	100.0	80.0	120.0
36"		67.1	67.1	80.0	100.0	80.0	100.0	80.0	120.0
42"		57.5	57.5	80.0	92.2	80.0	100.0	80.0	120.0
48"		50.4	50.4	80.0	80.7	80.0	100.0	80.0	120.0
51-7/8"		-	-	-	-	80.0	100.0	80.0	120.0
54"		-	-	-	-	80.0	80.0	-	-
60"		-	-	-	-	80.0	80.0	-	-
30"	126"	-	-	-	-	80.0	80.0	-	-
36"		-	-	-	-	80.0	80.0	-	-
42"		-	-	-	-	80.0	80.0	-	-
48"		-	-	-	-	80.0	80.0	-	-
54"		-	-	-	-	80.0	80.0	-	-
60"		-	-	-	-	74.9	74.9	-	-
30"	132"	-	-	-	-	80.0	80.0	-	-
36"		-	-	-	-	80.0	80.0	-	-
42"		-	-	-	-	80.0	80.0	-	-
48"		-	-	-	-	80.0	80.0	-	-
54"		-	-	-	-	75.9	75.9	-	-
60"		-	-	-	-	68.3	68.3	-	-



WIDTH (W) = W1
AT FRAME JAMB

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



FL#21632.1



JAVAD AHMAD PE, inc
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FL 33126
Ph: (305) 424-8001
support@ja-pe.com

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

SERIES 400:ALUMINUM WINDOW WALL
SYSTEM (L.M.I.)
LARGE MISSILE IMPACT RATED

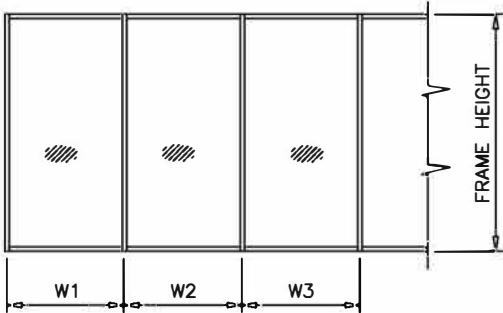
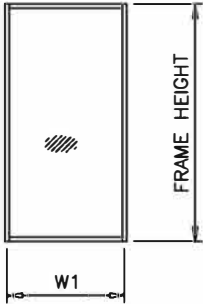


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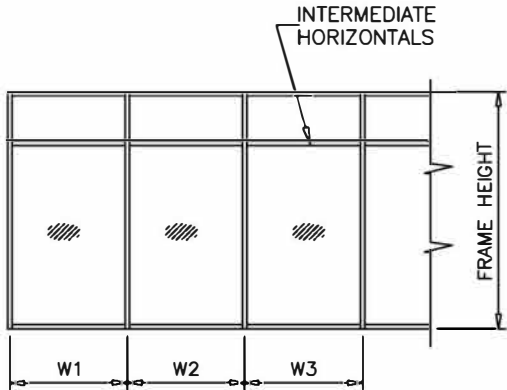
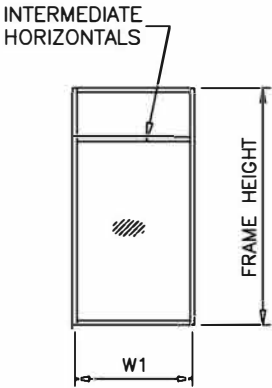
MULLION LOAD CAPACITY – PSF			
MULLIONS WITHOUT INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULL. 'M4'	
WIDTH (W)	FRAME HEIGHT	POS. (+)	NEG. (-)
30"	132"	70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		70.0	70.0
60"		70.0	70.0
30"	144"	70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		70.0	70.0
60"		64.2	64.2
30"	150"	70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		68.9	68.9
54"		62.0	62.0
60"		56.5	56.5
30"	156"	70.0	70.0
36"		70.0	70.0
42"		69.2	69.2
48"		61.1	61.1
54"		54.9	54.9
60"		50.0	50.0



WIDTH (W) = W1
AT FRAME JAMB

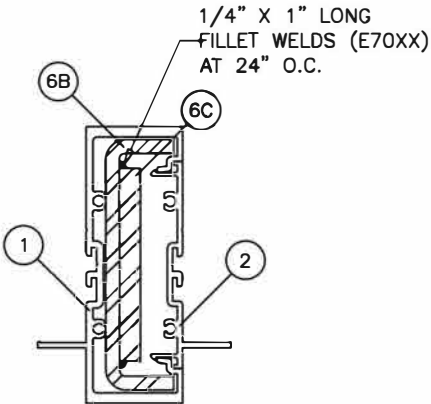
WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION

MULLION LOAD CAPACITY – PSF			
MULLIONS WITH INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.		MULL. 'M4'	
WIDTH (W)	FRAME HEIGHT	POS. (+)	NEG. (-)
30"	132"	70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		70.0	70.0
60"		70.0	70.0
30"	144"	70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		66.6	66.6
60"		60.0	60.0
30"	150"	70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		66.3	66.3
54"		58.9	58.9
60"		53.0	53.0
30"	156"	70.0	70.0
36"		70.0	70.0
42"		67.4	67.4
48"		58.9	58.9
54"		52.4	52.4
60"		47.2	47.2



WIDTH (W) = W1
AT FRAME JAMB

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



MULLION 'M4'



JAVAD AHMAD PE, inc

7875 NW 12th St., Suite 102 Doral,
FL 33126

Ph: (305) 424-8001

support@ja-pe.com

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

SERIES 400:ALUMINUM WINDOW WALL
SYSTEM (L.M.I.)
LARGE MISSILE IMPACT RATED



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

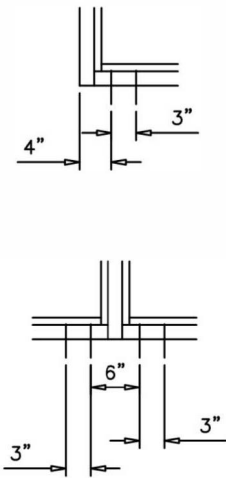


SEALED: 12/30/2024

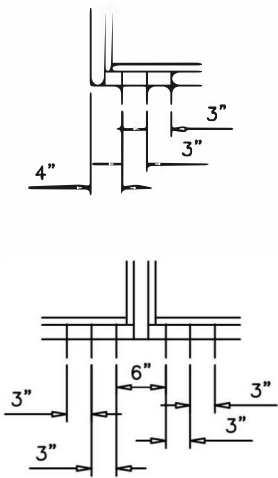
FL#21632.1

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"	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
54"		68.3	102.5	130.0	87.4	130.0	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
54"		63.8	95.6	127.5	81.5	122.3	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
54"		59.8	89.7	119.6	76.4	114.7	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
54"		56.3	84.4	112.5	71.9	107.9	130.0
60"		50.6	76.0	101.3	64.8	97.1	129.5
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
54"		53.1	79.7	106.3	68.0	101.9	130.0
60"		47.8	71.7	95.6	61.2	91.7	122.3
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
54"		50.3	75.5	100.7	64.4	96.6	128.7
60"		45.3	68.0	90.6	57.9	86.9	115.9
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
54"		47.8	71.7	95.6	61.2	91.7	122.3
60"		43.0	64.6	86.1	55.0	82.6	110.1
30"	126"	82.0	123.0	130.0	104.8	130.0	130.0
36"		68.3	102.5	130.0	87.4	130.0	130.0
42"		58.6	87.8	117.1	74.9	112.3	130.0
48"		51.2	76.9	102.5	65.5	98.3	130.0
54"		45.5	68.3	91.1	58.2	87.4	116.5
60"		41.0	61.5	82.0	52.4	78.6	104.8

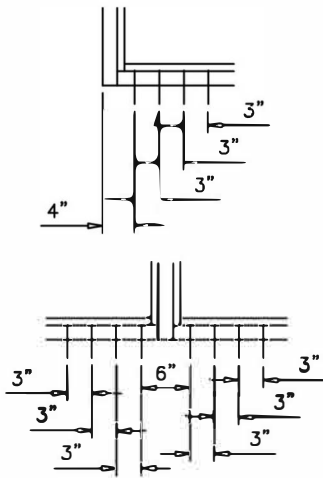
ANCHOR LOAD CAPACITY – PSF							
POS. (+) & NEG. (–)							
NOMINAL DIMS.		ANCHOR TYPE 'A'			ANCHOR TYPE 'B' & 'C'		
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2/C2	B3/C3	B4/C4
30"	132"	78.3	117.4	130.0	100.1	130.0	130.0
36"		65.2	97.8	130.0	83.4	125.1	130.0
42"		55.9	83.8	111.8	71.5	107.2	130.0
48"		48.9	73.4	97.8	62.5	93.8	125.1
54"		43.5	65.2	86.9	55.6	83.4	111.2
60"		39.1	58.7	78.3	50.0	75.1	100.1
30"	144"	70.0	70.0	70.0	70.0	70.0	70.0
36"		59.8	70.0	70.0	70.0	70.0	70.0
42"		51.2	70.0	70.0	65.5	70.0	70.0
48"		44.8	67.3	70.0	57.3	70.0	70.0
54"		39.9	59.8	70.0	51.0	70.0	70.0
60"		35.9	53.8	70.0	45.9	68.8	70.0
30"	150"	68.9	70.0	70.0	70.0	70.0	70.0
36"		57.4	70.0	70.0	70.0	70.0	70.0
42"		49.2	70.0	70.0	62.9	70.0	70.0
48"		43.0	64.6	70.0	55.0	70.0	70.0
54"		38.3	57.4	70.0	48.9	70.0	70.0
60"		34.4	51.6	68.9	44.0	66.0	70.0
30"	156"	66.2	70.0	70.0	70.0	70.0	70.0
36"		55.2	70.0	70.0	70.0	70.0	70.0
42"		47.3	70.0	70.0	60.5	70.0	70.0
48"		41.4	62.1	70.0	52.9	70.0	70.0
54"		36.8	55.2	70.0	47.0	70.0	70.0
60"		33.1	49.7	66.2	42.3	63.5	70.0



A2, B2, C2



A3, B3, C3



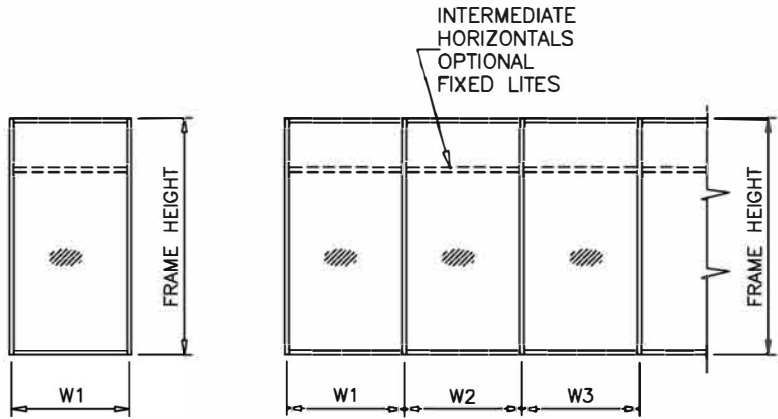
A4, B4, C4

ANCHORS TYPES: SEE SHEET 11 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



WIDTH (W) = W1
AT FRAME JAMB

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

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



JAVAD AHMAD PE, inc

7875 NW 12th St., Suite 102 Doral,
FL 33126

Ph: (305) 424-8001

support@ja-pe.com

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SERIES 400:ALUMINUM WINDOW WALL
SYSTEM (L.M.I.)
LARGE MISSILE IMPACT RATED



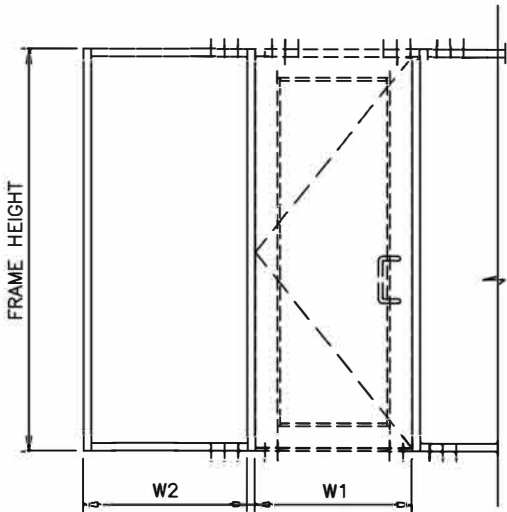
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-5299 FAX. (305) 885-5902



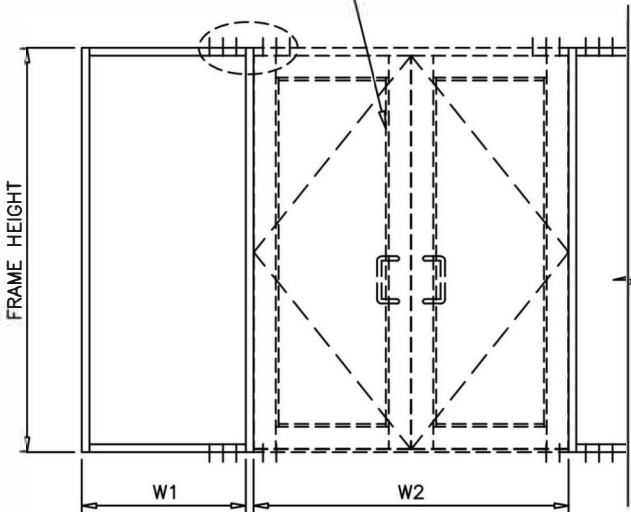
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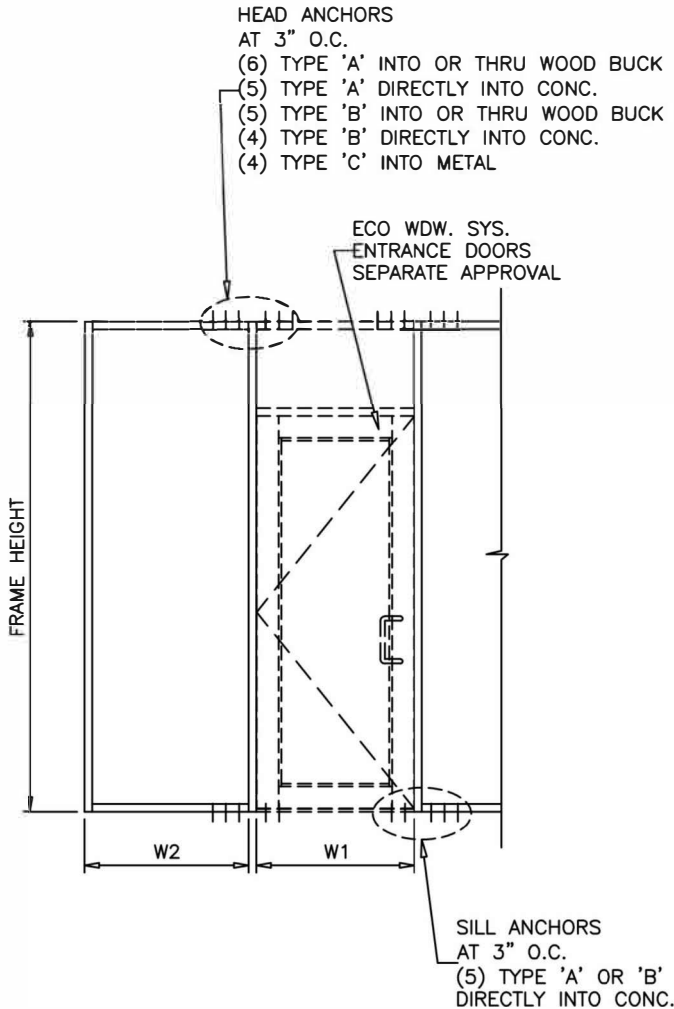
DOOR MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.		ALUMINUM REINF.		ALUM. + STEEL REINF.	
WIDTH (W)	FRAME HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
36"	84"	70.0	80.0	70.0	80.0
42"		70.0	80.0	70.0	80.0
48"		70.0	80.0	70.0	80.0
54"		70.0	80.0	70.0	80.0
60"		70.0	80.0	70.0	80.0
36"	90"	70.0	80.0	70.0	80.0
42"		70.0	80.0	70.0	80.0
48"		70.0	80.0	70.0	80.0
54"		70.0	80.0	70.0	80.0
60"		70.0	80.0	70.0	80.0
36"	96"	70.0	80.0	70.0	80.0
42"		70.0	80.0	70.0	80.0
48"		70.0	80.0	70.0	80.0
54"		70.0	80.0	70.0	80.0
60"		70.0	80.0	70.0	80.0
36"	102"	70.0	80.0	70.0	80.0
42"		70.0	80.0	70.0	80.0
48"		70.0	80.0	70.0	80.0
54"		70.0	80.0	70.0	80.0
58"		70.0	80.0	70.0	80.0
36"	108"	70.0	80.0	70.0	80.0
42"		70.0	80.0	70.0	80.0
48"		70.0	80.0	70.0	80.0
54"		70.0	80.0	70.0	80.0
55"		70.0	80.0	70.0	80.0
36"	114"	70.0	80.0	70.0	80.0
42"		70.0	80.0	70.0	80.0
48"		70.0	80.0	70.0	80.0
52"		70.0	80.0	70.0	80.0
36"	120"	70.0	80.0	70.0	80.0
42"		70.0	80.0	70.0	80.0
48"		70.0	80.0	70.0	80.0
49"		70.0	80.0	70.0	80.0
36"	126"	70.0	80.0	70.0	80.0
42"		70.0	80.0	70.0	80.0
47"		70.0	75.0	70.0	80.0
36"	132"	70.0	80.0	70.0	80.0
42"		70.0	73.0	70.0	80.0
45"		68.1	68.1	70.0	80.0



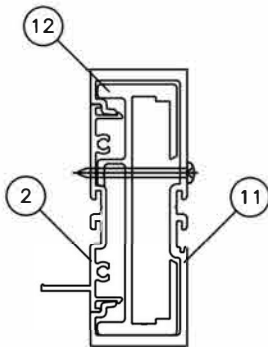
WIDTH (W) = $\frac{W1 + W2}{2}$



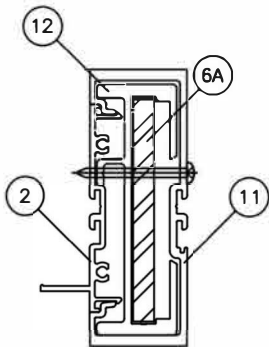
WIDTH (W) = $\frac{W1}{2} + \frac{W2}{4}$



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



DOOR MULLION
ALUMINUM REINF.



DOOR MULLION
ALUM. + STEEL REINF.

FL#21632.1



JAVAD AHMAD PE, inc
7875 NW 12th St., Suite 102 Doral,
FL 33126
Ph: (305) 424-8001
support@ja-pe.com

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

SERIES 400:ALUMINUM WINDOW WALL
SYSTEM (L.M.I.)
LARGE MISSILE IMPACT RATED

ECO window systems
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
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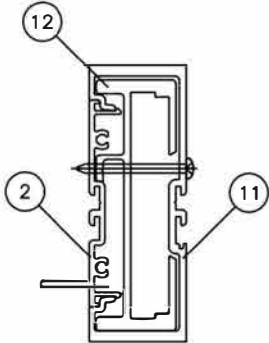
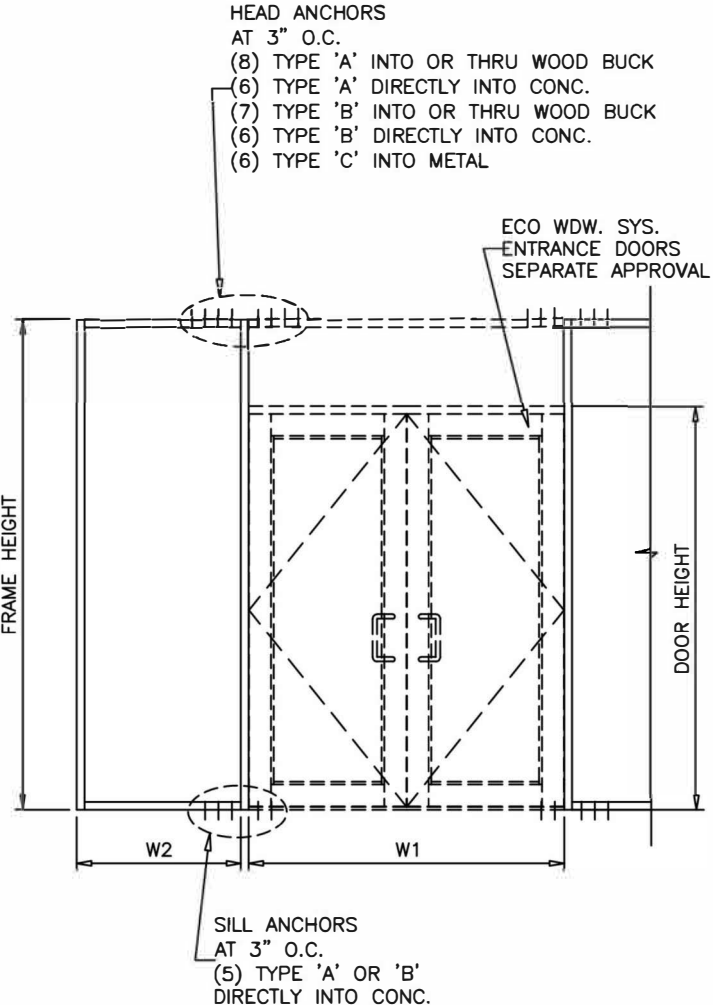
SEALED: 12/30/2024

DOOR MULLION LOAD CAPACITY - PSF							
NOMINAL DIMS.				ALUMINUM REINF.		ALUM. + STEEL REINF.	
WIDTH (W1)	WIDTH (W2)	FRAME HEIGHT	DOOR HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
85-3/4"	30"	108"	84"	70.0	80.0	70.0	80.0
	36"			70.0	80.0	70.0	80.0
	42"			70.0	80.0	70.0	80.0
	48"			70.0	80.0	70.0	80.0
	54"			70.0	80.0	70.0	80.0
	59"			70.0	80.0	70.0	80.0
	30"	114"		70.0	80.0	70.0	80.0
	36"			70.0	80.0	70.0	80.0
	42"			70.0	80.0	70.0	80.0
	48"			70.0	77.8	70.0	80.0
	54"			70.0	74.2	70.0	80.0
	56"			70.0	73.0	70.0	80.0
	30"	120"		70.0	80.0	70.0	80.0
	36"			70.0	75.8	70.0	80.0
	42"			70.0	72.1	70.0	80.0
	48"			68.6	68.6	70.0	80.0
	53"			66.0	66.0	70.0	77.5
	30"	126"		70.0	70.5	70.0	80.0
	36"			68.5	66.5	70.0	79.3
	42"			63.0	63.0	70.0	75.4
	48"			59.8	59.8	70.0	71.9
	51"			58.3	58.3	70.0	70.3
	30"	132"		60.0	60.0	70.0	75.1
	36"			56.6	56.6	70.0	71.3
	42"			53.7	53.7	67.9	67.9
	48"			51.0	51.0	64.7	64.7
85-3/4"	30"	108"	90"	60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	80.0
	48"			60.0	60.0	70.0	80.0
	54"			60.0	60.0	70.0	80.0
	59"			60.0	60.0	70.0	80.0
	30"	114"		60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	80.0
	48"			60.0	60.0	70.0	80.0
	54"			60.0	60.0	70.0	80.0
	56"			60.0	60.0	70.0	80.0
	30"	120"		60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	80.0
	48"			60.0	60.0	70.0	80.0
	53"			60.0	60.0	70.0	79.9
	30"	126"		60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	77.4
	48"			60.0	60.0	70.0	73.7
	51"			60.0	60.0	70.0	72.0
	30"	132"		60.0	60.0	70.0	76.8
	36"			58.6	58.6	70.0	72.8
	42"			55.4	55.4	69.2	69.2
	48"			52.5	52.5	66.0	66.0

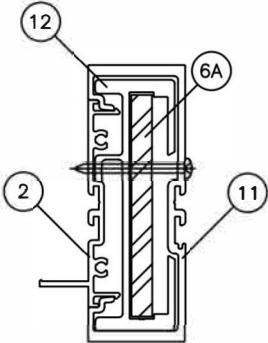
		DOOR MULLION LOAD CAPACITY - PSF					
		NOMINAL DIMS.		ALUMINUM REINF.		ALUM. + STEEL REINF.	
WIDTH (W1)	WIDTH (W2)	FRAME HEIGHT	DOOR HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
85-3/4"	30"	108"	96"	60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	80.0
	48"			60.0	60.0	70.0	80.0
	54"			60.0	60.0	70.0	80.0
	59"			60.0	60.0	70.0	80.0
	30"	114"		60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	80.0
	48"			60.0	60.0	70.0	80.0
	54"			60.0	60.0	70.0	80.0
	56"			60.0	60.0	70.0	80.0
	30"	120"		60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	80.0
	48"			60.0	60.0	70.0	80.0
	53"			60.0	60.0	70.0	80.0
	30"	126"		60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	80.0
	48"			60.0	60.0	70.0	76.0
	51"			60.0	60.0	70.0	74.2
	30"	132"		60.0	60.0	70.0	79.1
	36"			60.0	60.0	70.0	74.9
	42"			57.6	57.6	70.0	71.1
	48"			54.5	54.5	67.7	67.7
85-3/4"	30"	108"	102"	60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	80.0
	48"			60.0	60.0	70.0	80.0
	54"			60.0	60.0	70.0	80.0
	59"			60.0	60.0	70.0	80.0
	30"	114"		60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	80.0
	48"			60.0	60.0	70.0	80.0
	54"			60.0	60.0	70.0	80.0
	56"			60.0	60.0	70.0	80.0
	30"	120"		60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	80.0
	48"			60.0	60.0	70.0	80.0
	53"			60.0	60.0	70.0	80.0
	30"	126"		60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	80.0
	48"			60.0	60.0	70.0	79.1
	51"			60.0	60.0	70.0	77.1
	30"	132"		60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	77.5
	42"			60.0	60.0	70.0	73.5
	48"			56.9	56.9	69.9	69.9

DOOR MULLION LOAD CAPACITY - PSF							
NOMINAL DIMS.				ALUMINUM REINF.		ALUM. + STEEL REINF.	
WIDTH (W1)	WIDTH (W2)	FRAME HEIGHT	DOOR HEIGHT	POS. (+)	NEG. (-)	POS. (+)	NEG. (-)
85-3/4"	30"	108"	108"	60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	80.0
	48"			60.0	60.0	70.0	80.0
	54"			60.0	60.0	70.0	80.0
	59"			60.0	60.0	70.0	80.0
	30"	114"		60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	80.0
	48"			60.0	60.0	70.0	80.0
	54"			60.0	60.0	70.0	80.0
	56"			60.0	60.0	70.0	80.0
	30"	120"		60.0	60.0	70.0	80.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	80.0
	48"			60.0	60.0	70.0	80.0
	53"			60.0	60.0	70.0	80.0
	30"			126"	60.0	60.0	70.0
	36"	60.0			60.0	70.0	80.0
	42"	60.0			60.0	70.0	80.0
	48"	60.0			60.0	70.0	80.0
	51"	60.0			60.0	70.0	80.0
	30"	132"			60.0	60.0	70.0
	36"			60.0	60.0	70.0	80.0
	42"			60.0	60.0	70.0	76.0
	48"			59.5	59.5	70.0	72.0

"NEW WINDOWS OF MIAMI"



DOOR MULLION
ALUMINUM REINF.



DOOR MULLION
ALUM. + STEEL REINF.

FL#21632.1



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FL 33126

Ph: (305) 424-8001

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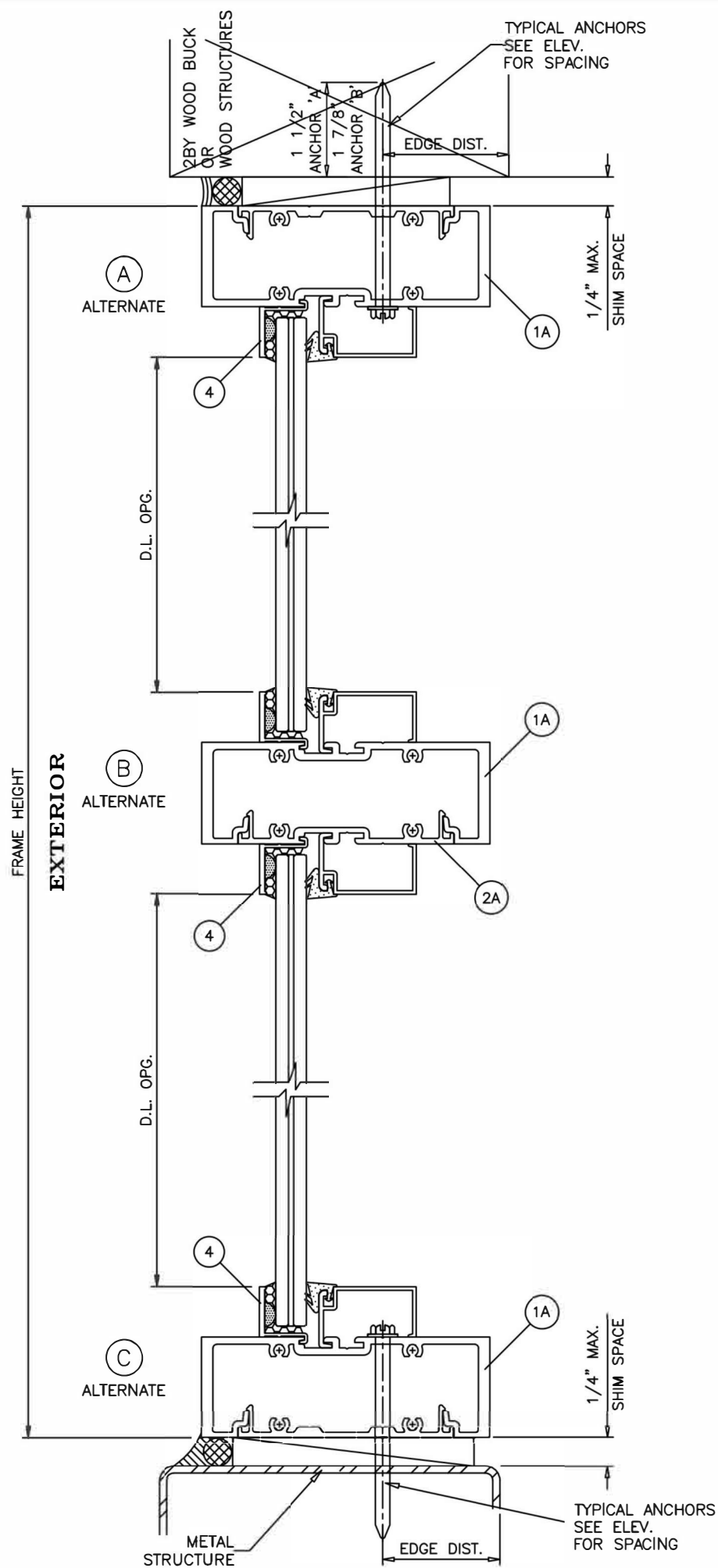
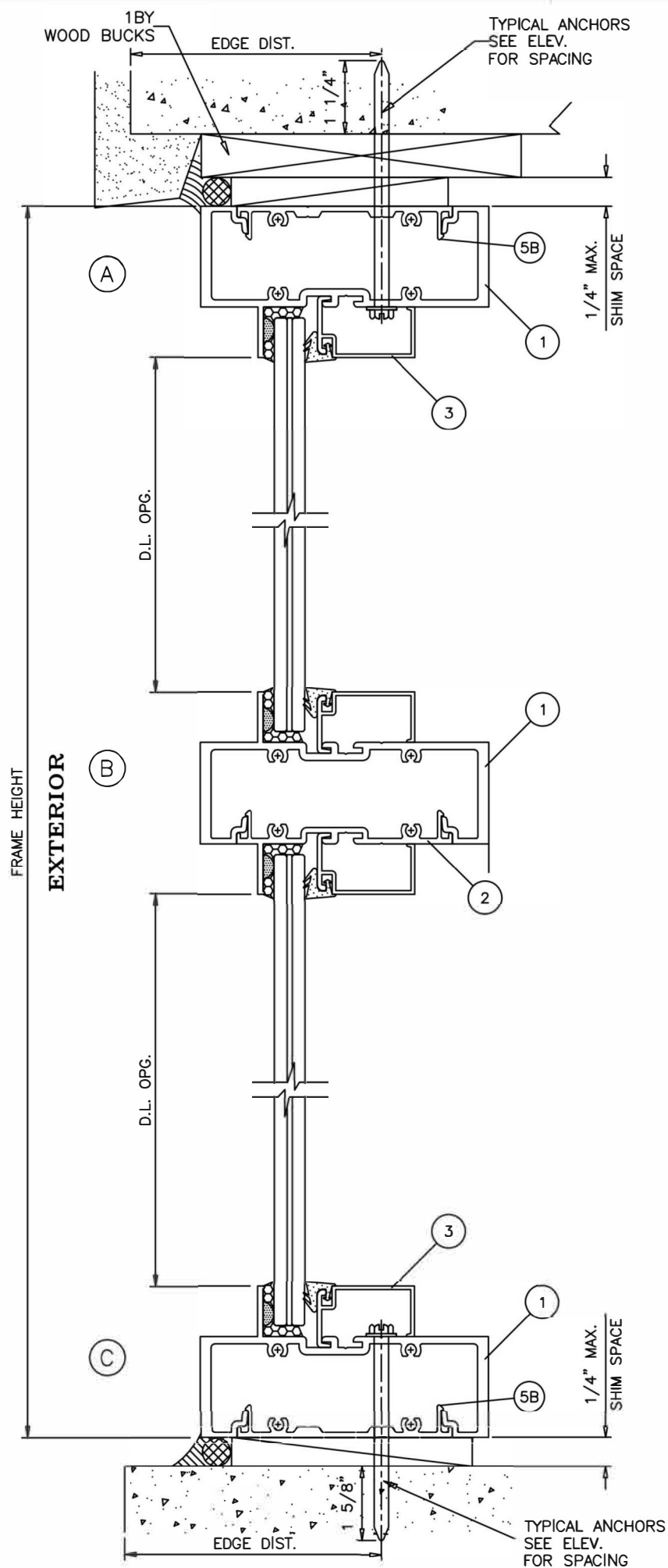
drawing no.	date:	JA-1844-24	12/30/2024	revision		MA	BS
				No.	DESCRIPTION		

SERIES 400:ALUMINUM WINDOW WALL
SYSTEM (L.M.I.)
LARGE MISSILE IMPACT RATED

ECO window systems
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' ($F_u=164$ KSI, $F_y=148$ 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' ($F_u=177$ KSI, $F_y=155$ 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. ($F_y = 36$ 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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 FL 33126

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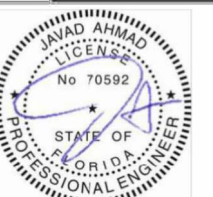
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drawing no.	date:	revision	MA	BS
JA-1844-24	12/30/2024			
		DESCRIPTION		
		BY		
		DATE		
		No.		

SERIES 400:ALUMINUM WINDOW WALL
 SYSTEM (L.M.I.)
 LARGE MISSILE IMPACT RATED

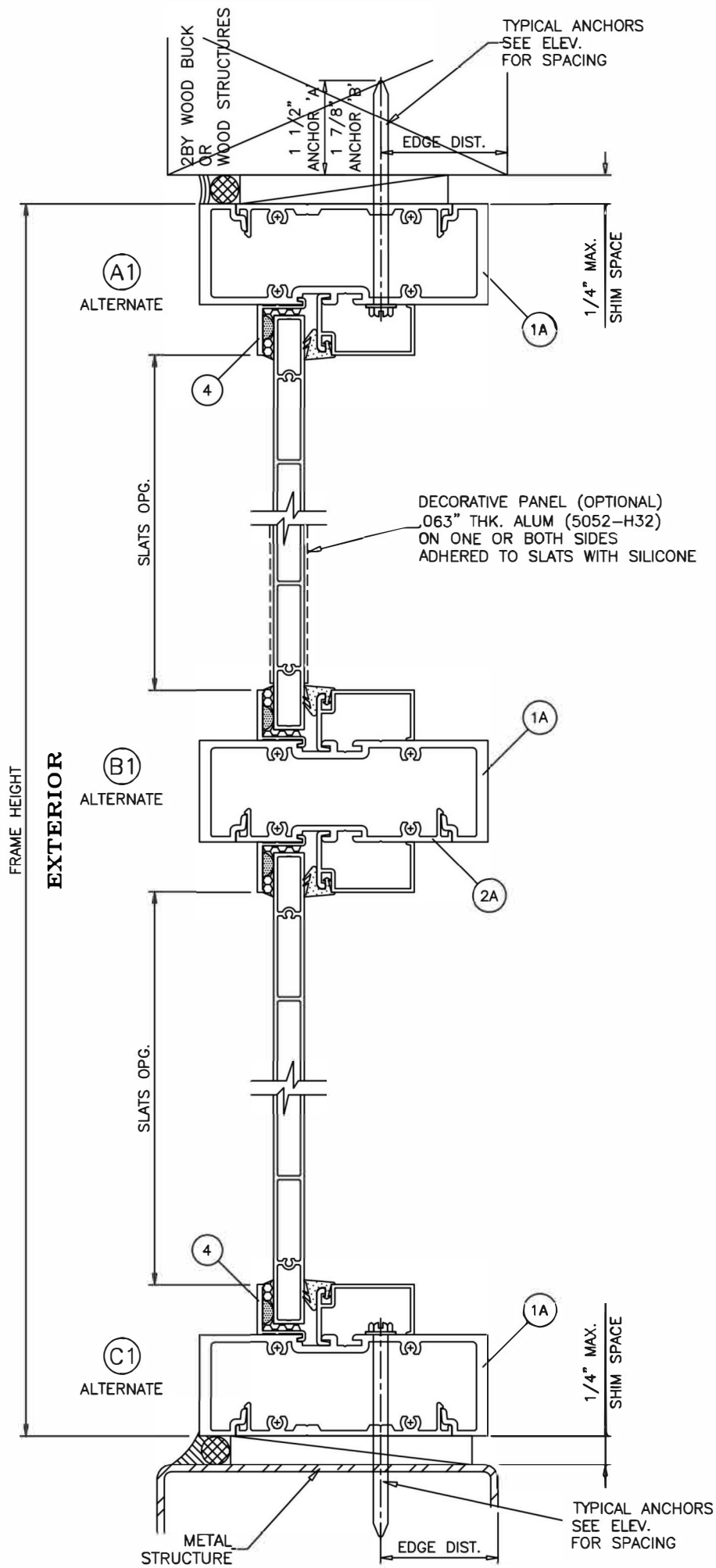
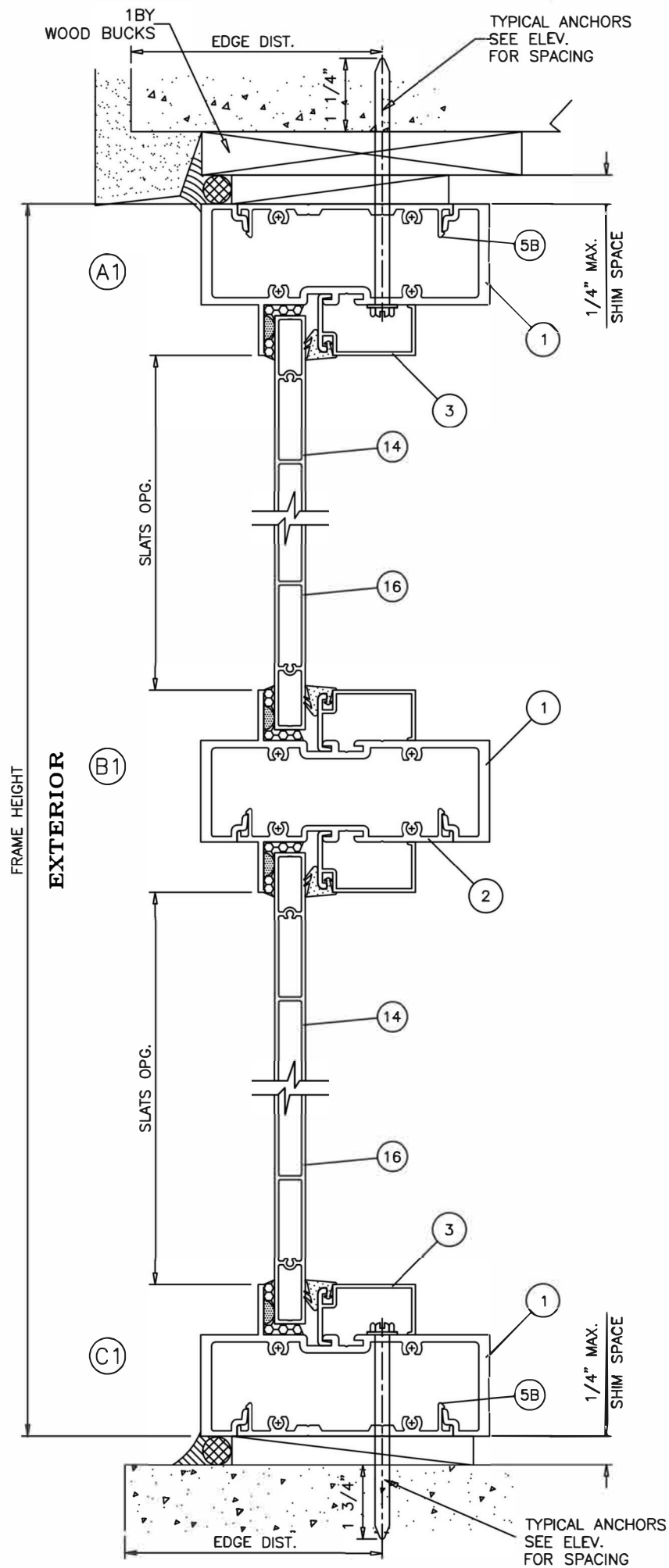


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 7875 NW 12th St., Suite 102 Doral,
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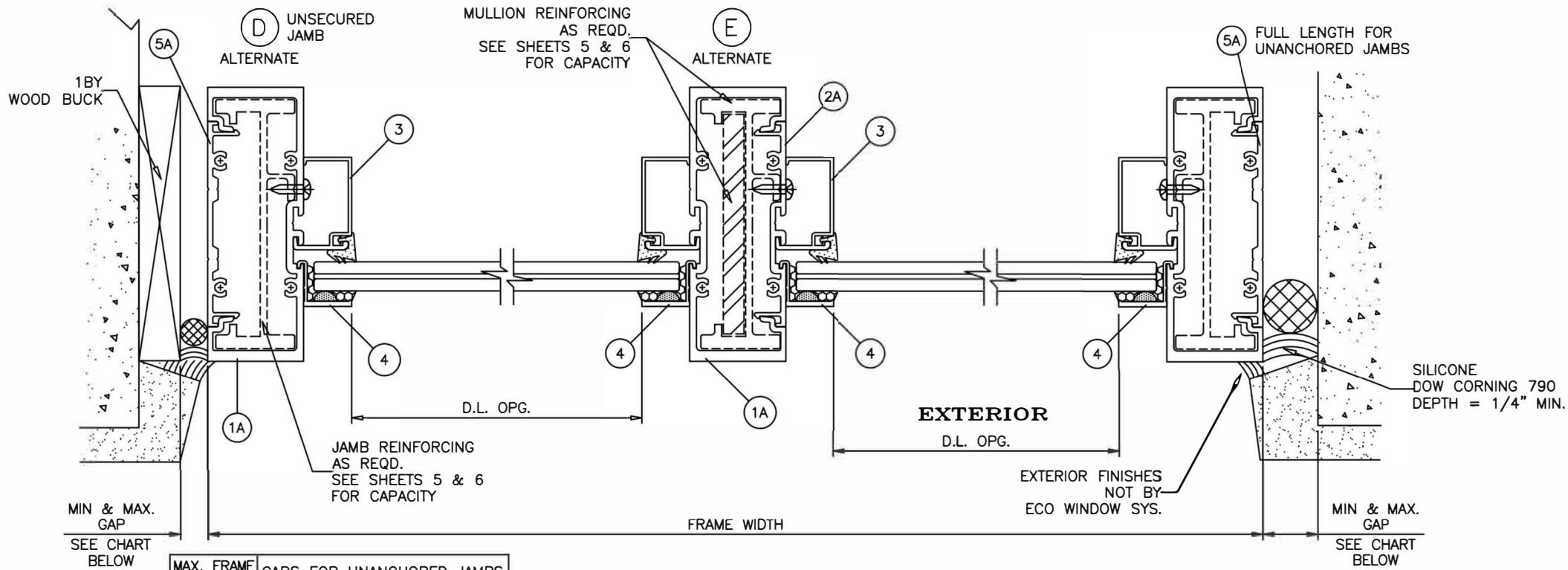
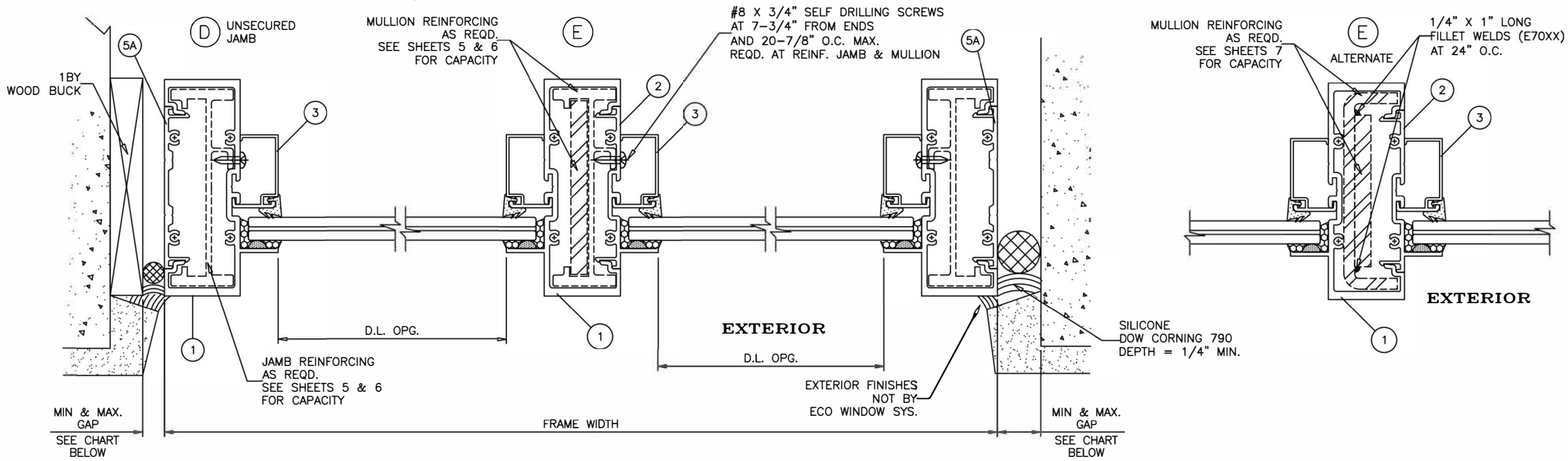
drawing no.	JA-1844-24	MA
date:	12/30/2024	BS
REVISION		
No.	DATE	DESCRIPTION

SERIES 400:ALUMINUM WINDOW WALL SYSTEM (L.M.I.) LARGE MISSILE IMPACT RATED

ECO window systems
 ECO WINDOW SYSTEMS, LLC.
 8502 N.W. 80th ST. MEDLEY, FL 33166
 TEL. (305) 885-5289 FAX. (305) 885-5902



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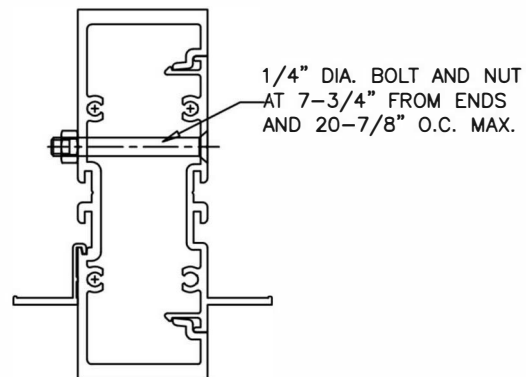
MAX. FRAME HEIGHT UP TO	GAPS FOR UNANCHORED JAMBS	
	MIN.	MAX.
120"	1/4"	1"
132"	3/8"	1"

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 6 THRU 10 FOR SELECTION OF MULLION/JAMB WITH REINFORCED & UNREINFORCED FRAMES.



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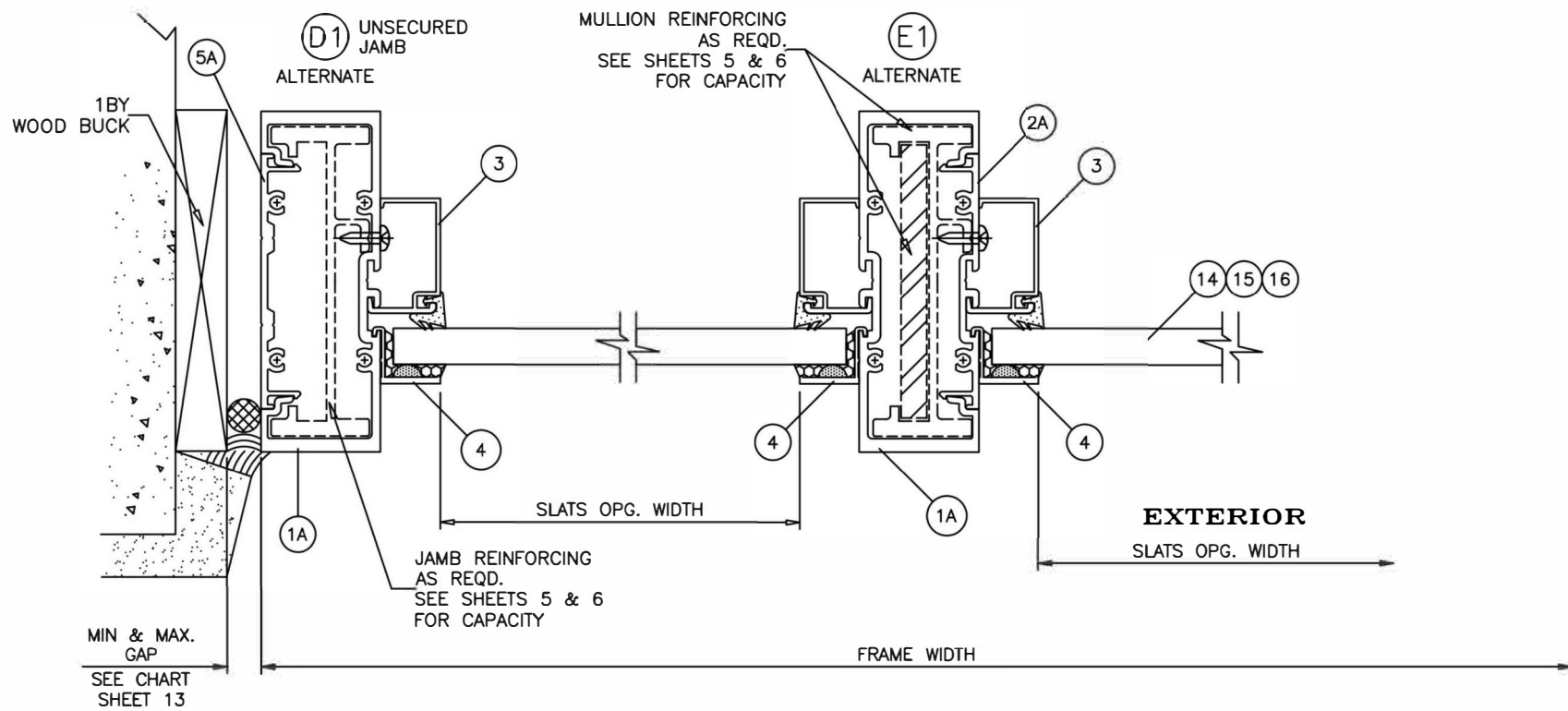
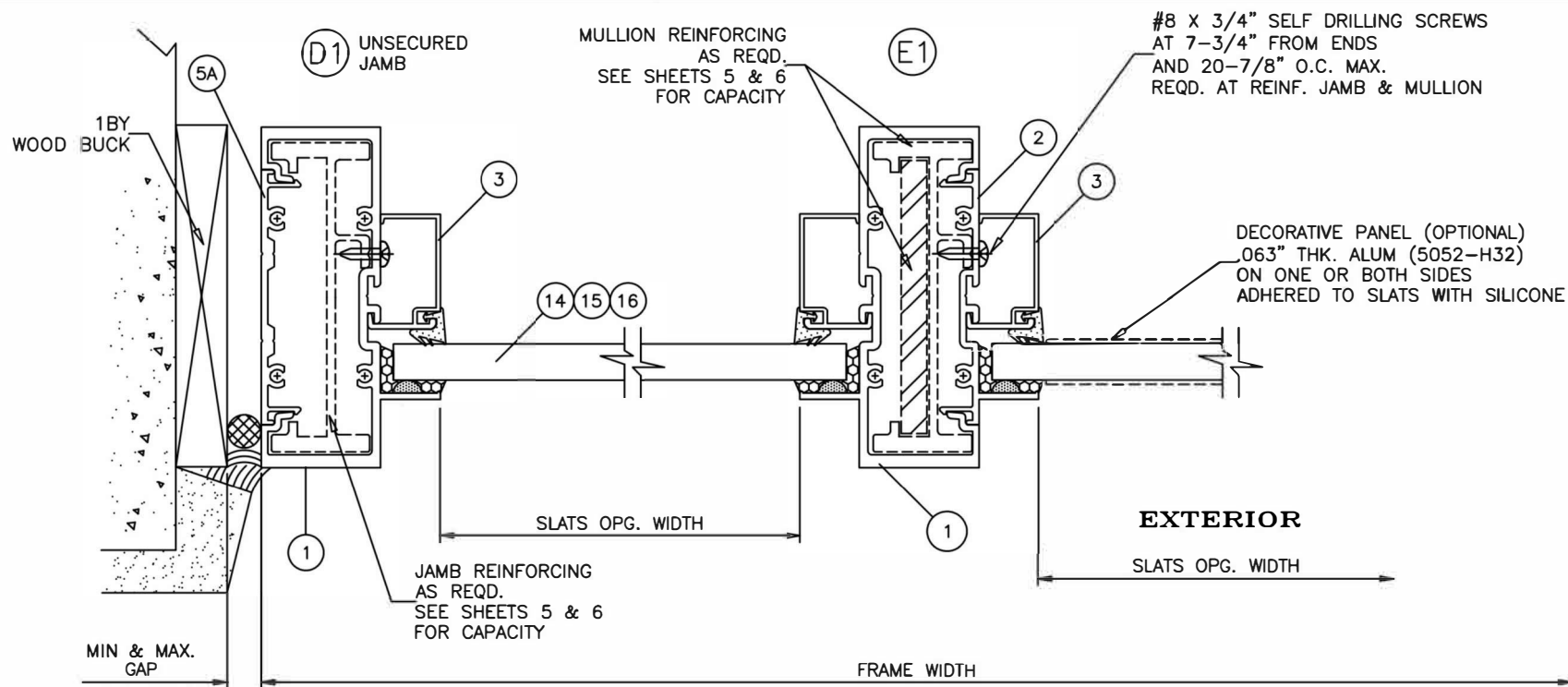
drawing no.	date:	REVISION	
		DATE	DESCRIPTION
MA	BS		
drawn by:	check by:		
JA-1844-24	12/30/2024		

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LARGE MISSILE IMPACT RATED



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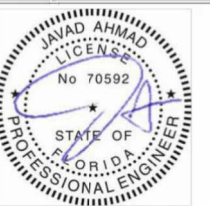
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JA-1844-24			
date:	REVISION	DESCRIPTION	
12/30/2024	BY		
	DATE		
	No		

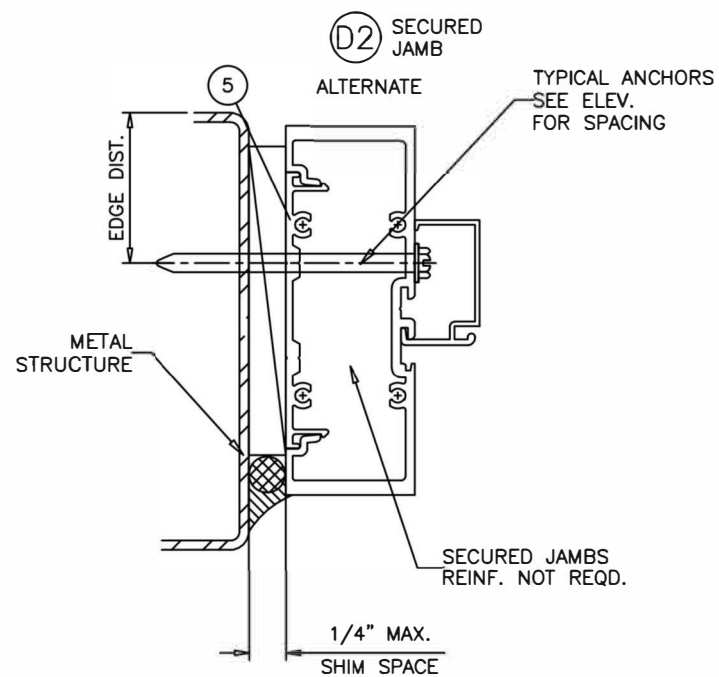
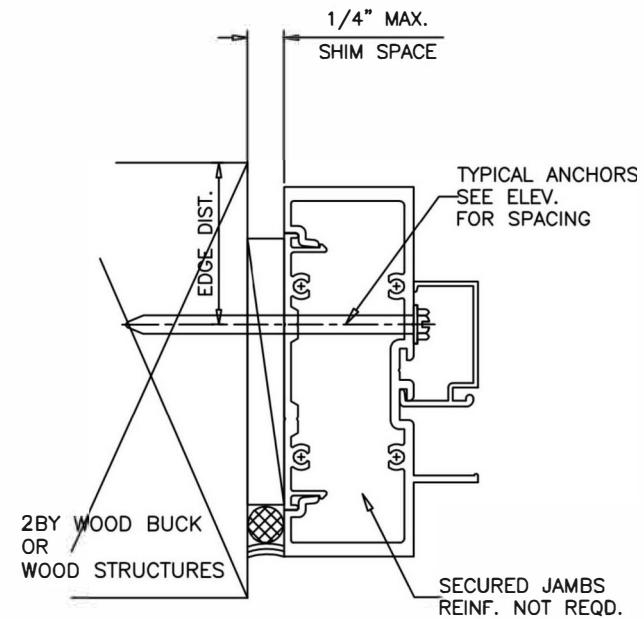
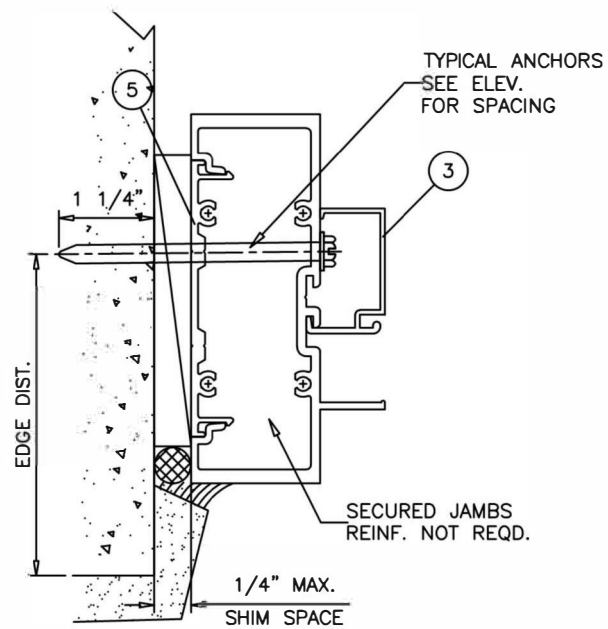
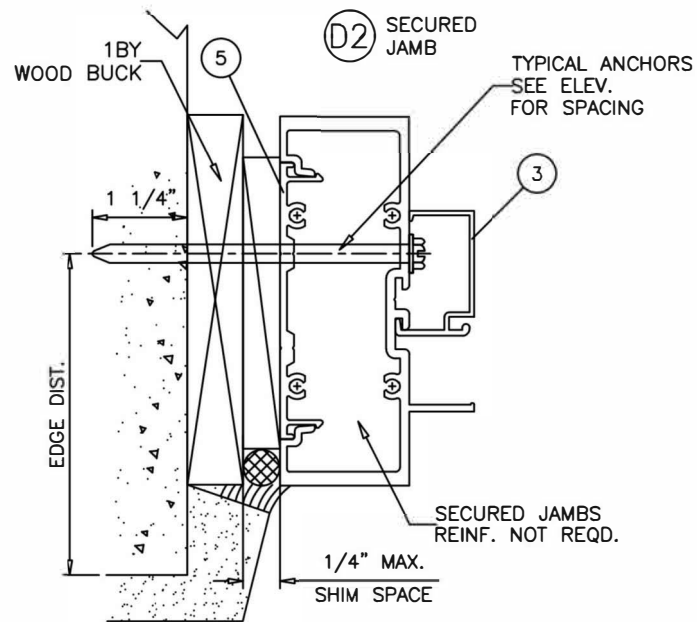
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date:	12/30/2024	check by:	BS
REVISION			
No.	DATE	BY	DESCRIPTION

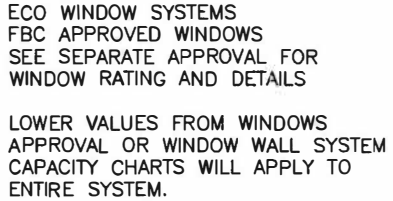
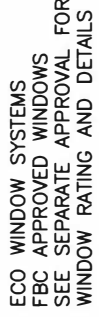
SERIES 400:ALUMINUM WINDOW WALL
SYSTEM (L.M.I.)
LARGE MISSILE IMPACT RATED



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TEL. (305) 885-5299 FAX. (305) 885-5902



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FL#21632.1



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7875 NW 12th St., Suite 102 Doral,
FL 33126
Ph: (305) 424-8001
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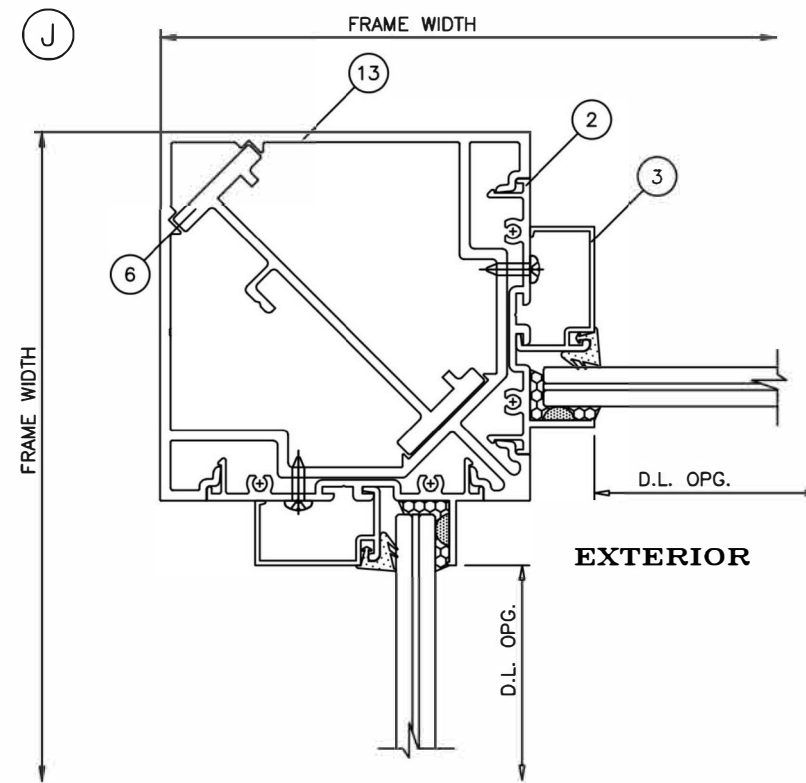
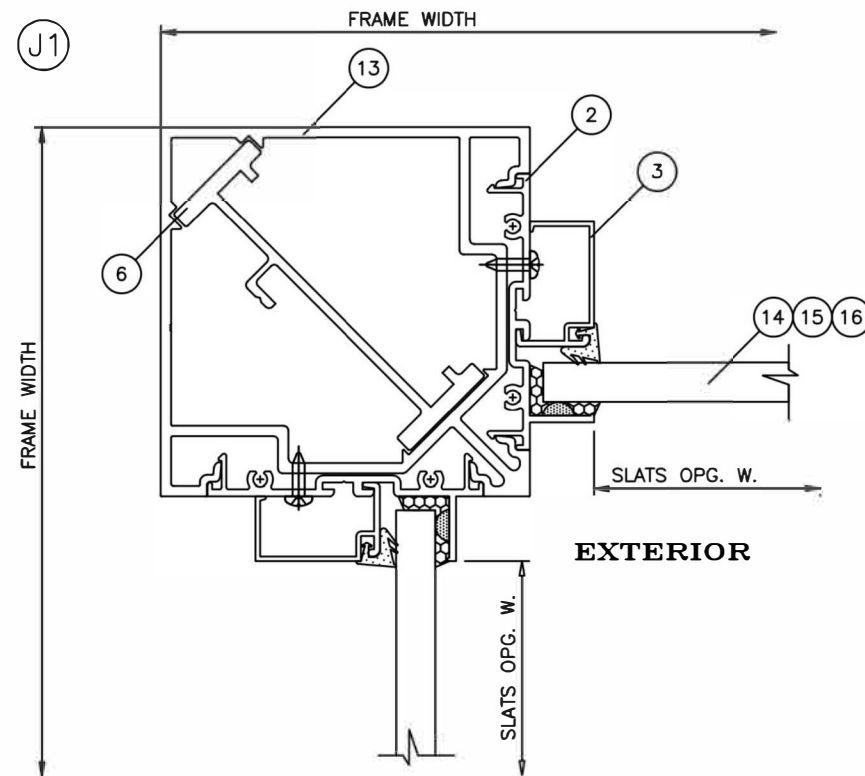
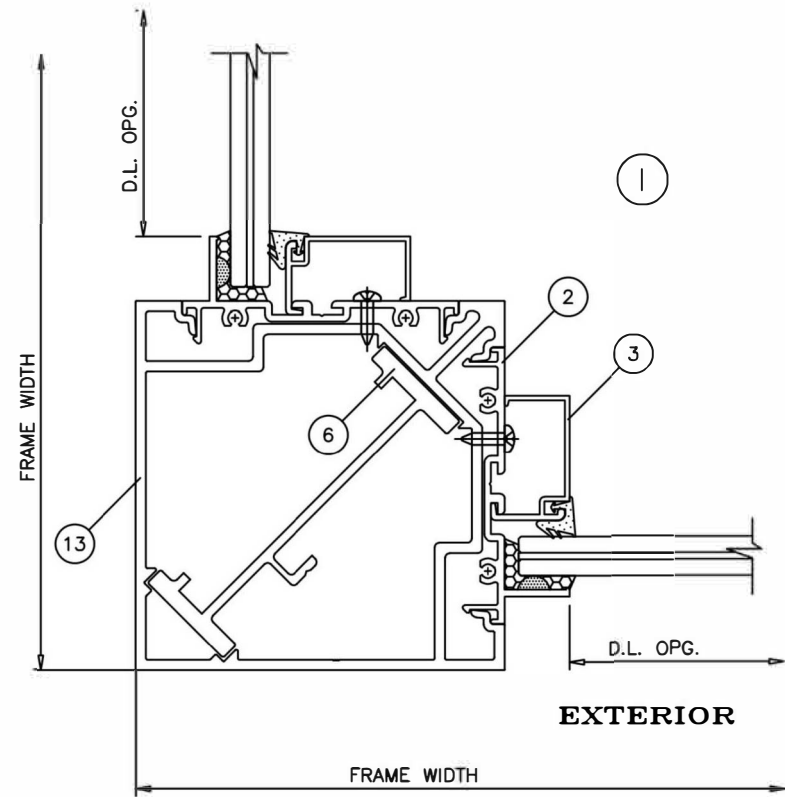
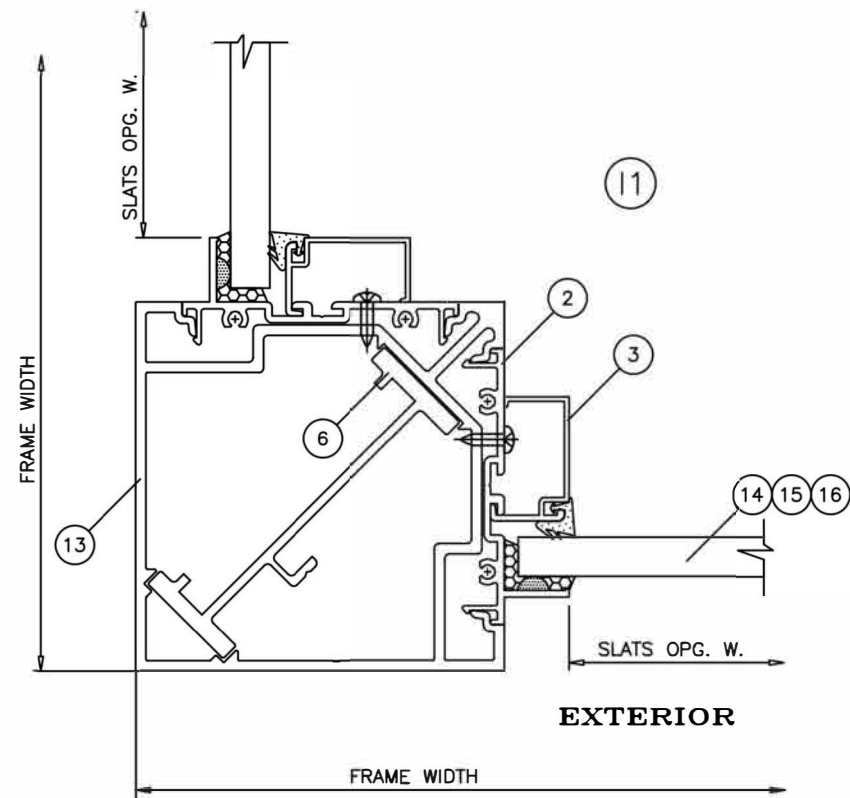
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date:	12/30/2024	check by:	BS
REVISION			
No.	DATE	BY	DESCRIPTION

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

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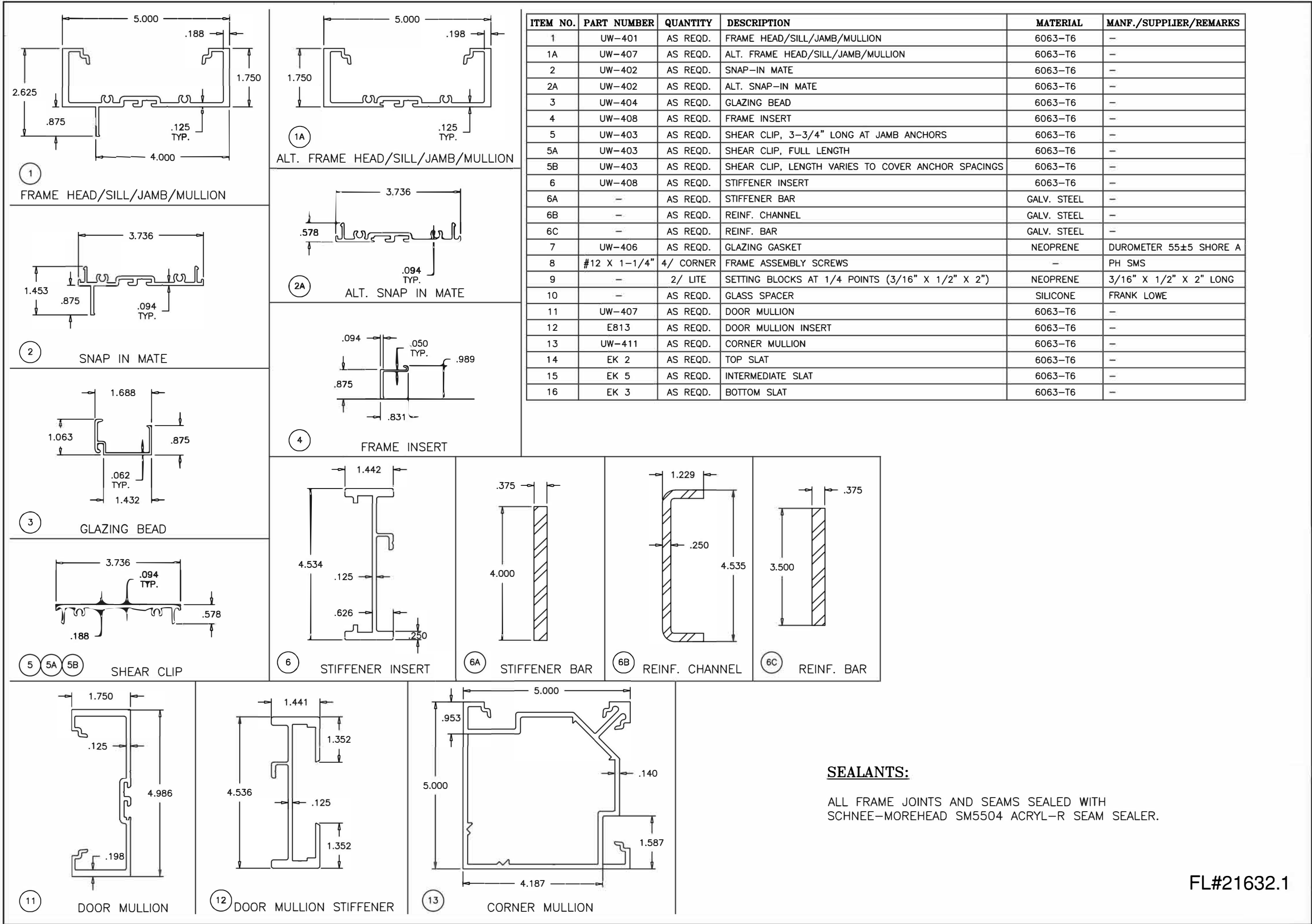
7875 NW 12th St., Suite 102 Doral,
FL 33126

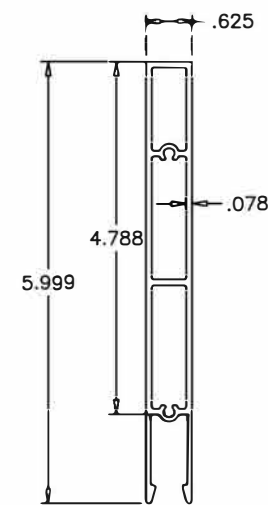
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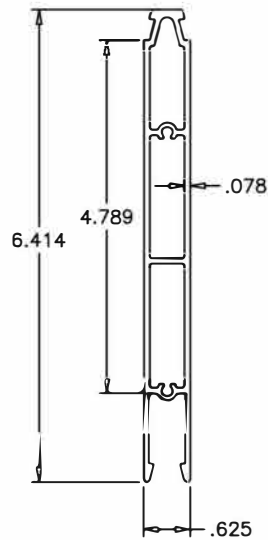






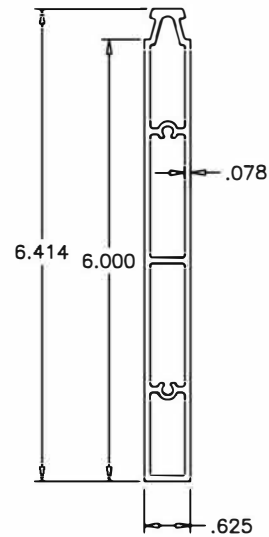
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TOP SLAT



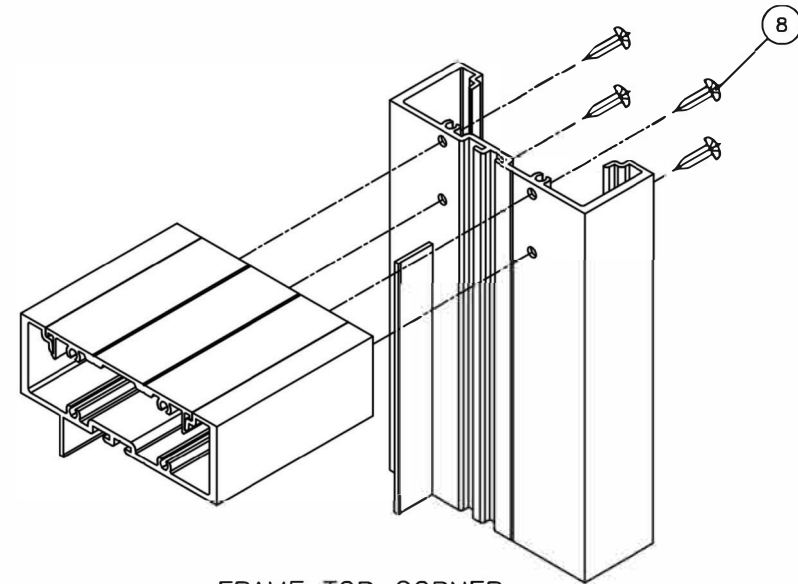
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INTERMEDIATE SLAT

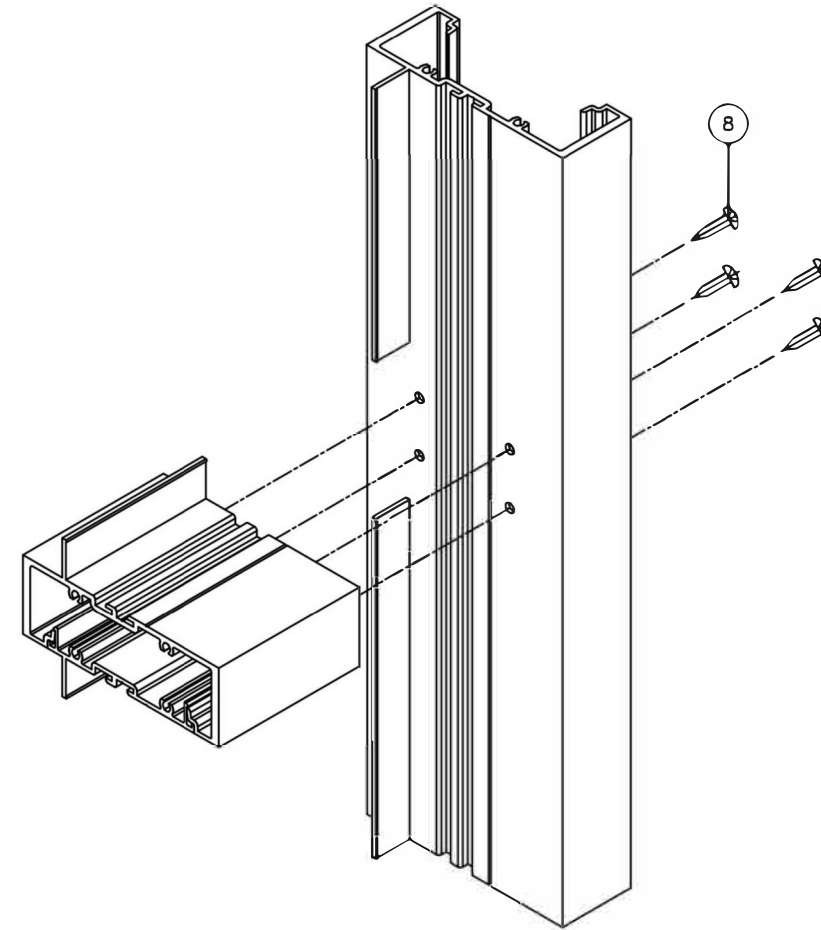


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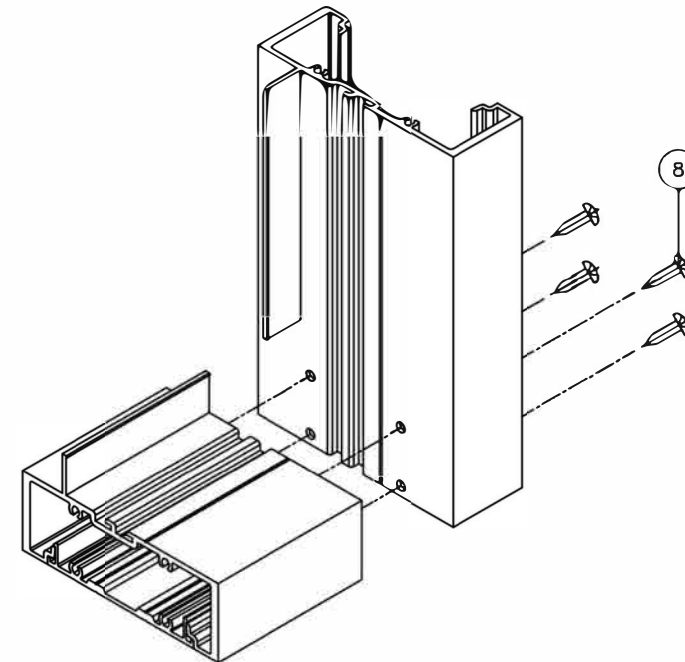
BOTTOM SLAT



FRAME TOP CORNER



HORIZONTAL CORNER



FRAME BOTTOM CORNER

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