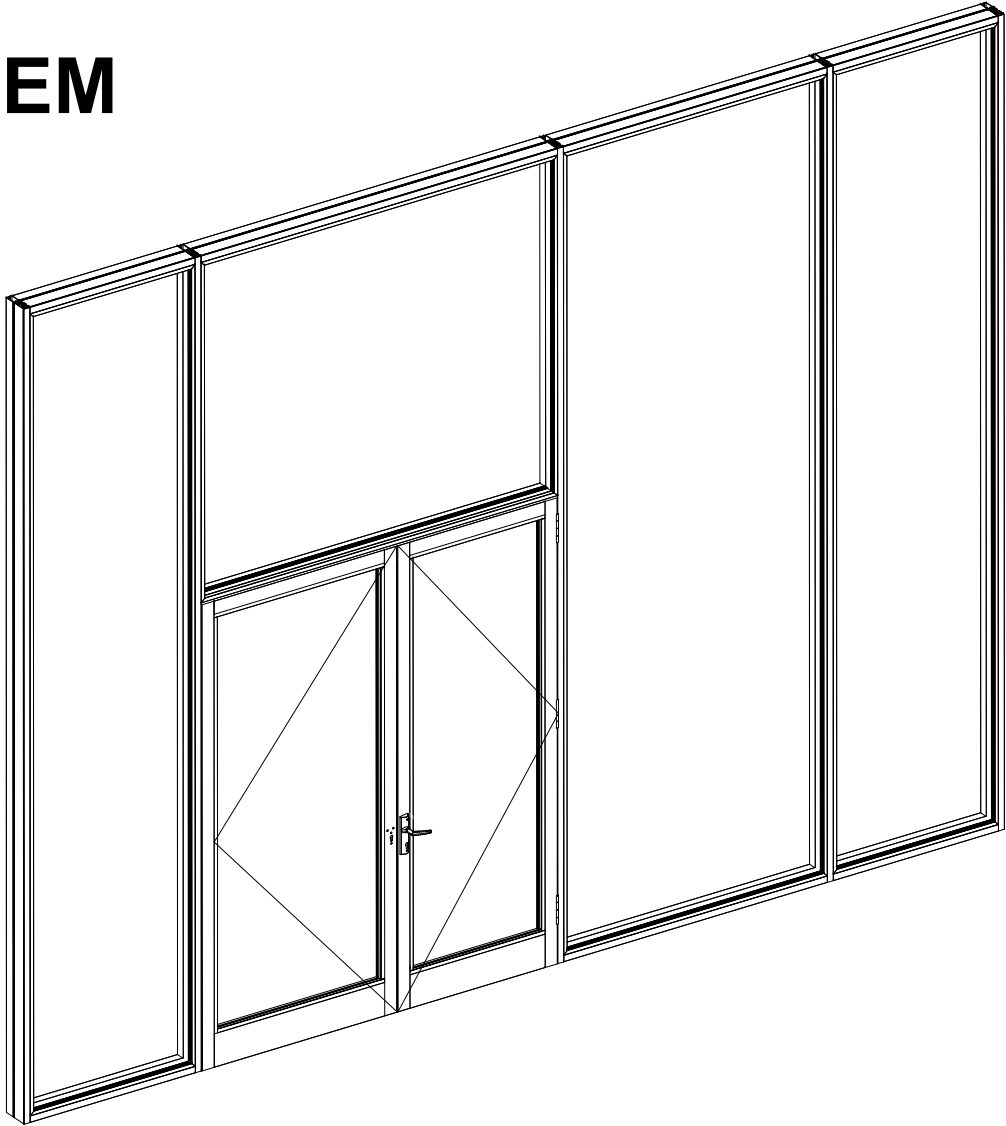


SHEET INDEX	
01	COVER PAGE
02	TYPICAL ELEVATIONS
3A	GLASS DETAILS
3B	GLASS DETAILS
04	ANCHOR SPECIFICATIONS
5A	MULLION CHARTS
5B	MULLION CHARTS
5C	MULLION CHARTS
6A	DOOR MULLION CHARTS
6B	DOOR MULLION CHARTS
6C	DOOR MULLION CHARTS
7A	ANCHOR CHARTS
7B	ANCHOR CHARTS
08	SECTION DETAILS
09	SECTION DETAILS
10	SECTION DETAILS
11	SECTION DETAILS
12	PROFILES
13	BILL OF MATERIAL & ASSEMBLY
TO OBTAIN AUTOCAD/REVIT COMPATIBLE DETAILS OF THIS PRODUCT, KINDLY GET IN TOUCH WITH US CONTACTING US VIA OUR OFFICIAL EMAIL ADDRESS: CONTACT@JA-PE.COM.	

ENVIRALUM INDUSTRIES INC.

ENV-750 WINDOW WALL SYSTEM

(*LARGE & SMALL MISSILE IMPACT*)



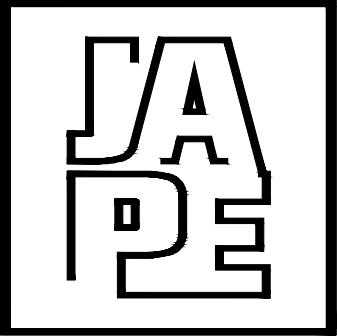
GENERAL NOTES

- THIS SYSTEM PRESENTED HEREIN HAS UNDERGONE DESIGN AND TESTING IN FULL COMPLIANCE WITH THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) AND IS INTENDED FOR USE IN HIGH VELOCITY HURRICANE ZONE PER TAS 201/202/203..
- THE DESIGN PRESSURES OUTLINED IN THIS DOCUMENT ARE DERIVED FROM MAXIMUM TESTED PRESSURES AND INCORPORATE A 1.5 SAFETY FACTOR.
- THE PRESSURES PROVIDED IN THIS CERTIFICATION ARE DETERMINED USING THE ALLOWABLE STRESS DESIGN METHOD (ASD).
- THIS PRODUCT HAS BEEN RIGOROUSLY TESTED IN ACCORDANCE WITH THE STANDARDS DESCRIBED IN NOTE 1 OF THE GENERAL NOTES. IT IS CONFIRMED TO BE RESISTANT TO LARGE MISSILE IMPACT, THEREBY NOT NECESSITATING THE USE OF IMPACT-RESISTANT SHUTTERS.
- THE DESIGN OF THIS SYSTEM DOES NOT INCORPORATE A 33-1/3% INCREASE IN ALLOWABLE STRESS. FOR WOOD ANCHOR DESIGN, A WIND LOAD DURATION FACTOR OF CD=1.6 HAS BEEN EMPLOYED.
- THE ARCHITECT/ENGINEER OF RECORD RESPONSIBLE FOR THE PROJECT'S SUPERSTRUCTURE, WITH WHICH THIS DESIGN IS ASSOCIATED, SHALL ENSURE THE INTEGRITY OF ALL SUPPORTING SURFACES. COORDINATION WITH THE PERMITTING CONTRACTOR IS REQUIRED, AND PROPER ANCHORING OF WOOD BUCKS (BY OTHERS) MUST FACILITATE LOAD TRANSFER TO THE EXISTING STRUCTURE.

- THE DETAILS OF THE SYSTEM PROVIDED HEREIN ARE OF A GENERIC NATURE AND DO NOT OFFER SPECIFIC SITE INFORMATION. FOR SITE CONDITIONS THAT DIFFER FROM THOSE SPECIFIED HERE, A LICENSED ENGINEER OR REGISTERED ARCHITECT MUST PREPARE SITE-SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS CERTIFICATION.
- THE CONTRACTOR IS ACCOUNTABLE FOR INSULATING ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS (E.G., STEEL WITH ALUMINUM).
- THE SUBSTITUTION OF FASTENERS DESCRIBED IN THIS CERTIFICATION IS PERMISSIBLE, PROVIDED THE ALTERNATIVE ANCHOR EXHIBITS STRENGTH EQUAL TO OR GREATER THAN THE ORIGINALLY SPECIFIED FINAL APPROVAL OF SUBSTITUTED ANCHORS SHALL BE GRANTED BY RELEVANT AUTHORITIES.
- THE WOOD SCREWS REFERENCED IN THIS CERTIFICATION MUST MEET A MINIMUM GRADE OF 2 (FU = 74,000 PSI).
- THE ENGINEER'S SEAL AFFIXED HERE VALIDATES THE STRUCTURAL DESIGN AS PRESENTED SOLELY. ANY USE OF THIS SPECIFICATION BY THE CONTRACTOR OR OTHERS INDEMNIFIES AND SAVES THE ENGINEER HARMLESS FROM ALL COSTS AND DAMAGES, INCLUDING LEGAL FEES AND APPELLATE FEES ARISING FROM MATERIAL FABRICATION, SYSTEM ERECTION, AND CONSTRUCTION PRACTICES BEYOND THE SCOPE CALLED FOR BY LOCAL, STATE, AND FEDERAL CODES OR DEVIATIONS FROM THE PLAN

- NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED BEYOND WHAT IS EXPRESSLY PROVIDED IN THIS DOCUMENT.
- ALTERATIONS, ADDITIONS, OR ANY MARKINGS TO THIS DOCUMENT ARE STRICTLY PROHIBITED AND WILL INVALIDATE THIS CERTIFICATION.
- PROPER SAFETY MEASURES MUST BE OBSERVED DURING THE INSTALLATION AND USE OF THIS SYSTEM, EVEN THOUGH THEY ARE NOT EXPLICITLY LISTED IN THIS CERTIFICATION.
- EACH PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM, CONTAINING THE FOLLOWING REQUIRED INFORMATION:
ENVIRALUM IND. INC.
5100 NW 72 AVE.
UNIT C MIAMI, FL 33166
PHONE: 305.752.4411
FAX: 305.406.3877

THIS PRODUCT IS APPROVED FOR IMPACT RESISTANT LEVEL 'D'.



JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
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Ph: (305) 424-8001
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PROJECT :			
ENV-750 ALUMINUM WINDOW WALL SYSTEM (L.M.I.)			
CLIENT :			
ENVIRALUM IND. INC.			
5100 NW 72 AVE.UNIT C MIAMI, FL 33166 PHONE: 305.752.4411 FAX: 305.406.3877			
REVISION			
No.	DATE	BY	DESCRIPTION
0			
date:		2/12/2026	
scale:		N/A	
drawn by:		M.S.	
check by:			
Drawing no.		JA-1144-25	
Eng: JAVAD AHMAD, PE CIVIL FLA. PE # 70592 – C.A.N. 34254			



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COVER PAGE

SHEET No.
01 OF 13

FL# 41728.1

USE CHARTS AS FOLLOWS.

DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG, HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD.

SEE CHARTS ON SHEET 3A & 3B FOR DESIGN LOAD CAPACITY OF
DESIRED GLASS SIZE BASED ON APPLICABLE WIND DURATION.

CHECK MULLION AND JAMB CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 5A, 5B, 5C, 5D & 6A, 6B, 6C. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.

USING CHART ON SHEET 7A & 7B SELECT ANCHOR OPTION WITH
DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

- A. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH. EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- B. WINDOW WALL ARE RATED FOR LARGE MISSILE IMPACT. IMPACT SHUTTERS ARE NOT REQUIRED.
- C. THESE WINDOW WALL ARE APPROVED FOR AIR AND WATER INFILTRATION.
- D. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON ELEVATION & DETAILS ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- E. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- F. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/ METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 8TH. EDITION FLORIDA BUILDING CODE (2023) SECTION AS APPLICABLE.
- G. METAL STRUCTURES NOT BY ENVIRALUM INDUSTRIES INC. TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- H. ULTIMATE LOAD OBTAINED FROM ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.

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



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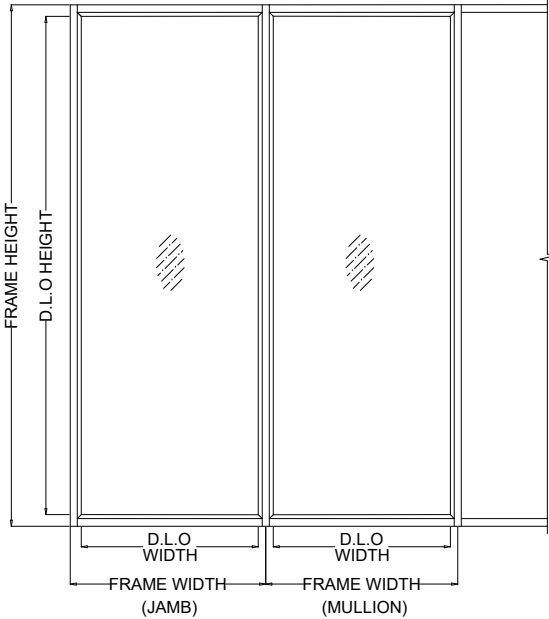
TYP. ELEV.

SHEET No
02 OF 13

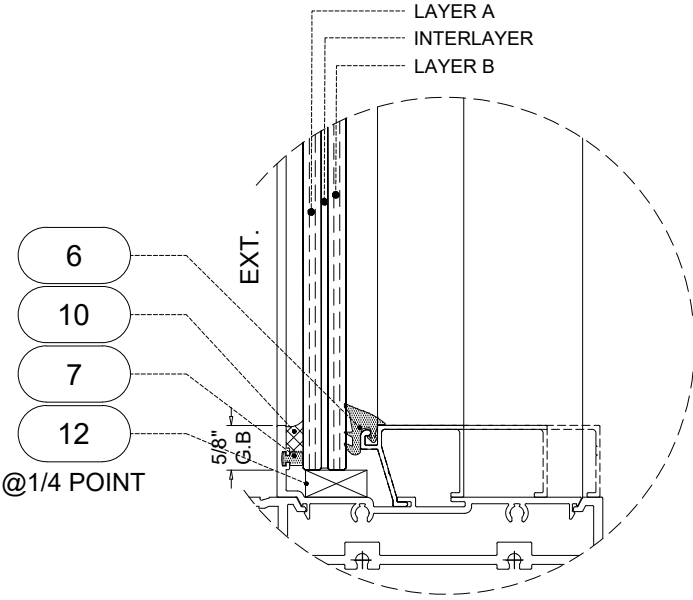
GLASS LOAD CAPACITY - PSF			
NOMINAL DIMENSIONS.		L.M.I. OR S.M.I.	
DLO-W	DLO-H	'G1'	'G2'
(IN)	(IN)	EXT(+)	EXT(+)
		INT (-)	INT (-)
30.0	90.0	117.0	117.0
42.0		117.0	117.0
54.0		117.0	117.0
66.0		117.0	117.0
78.0		117.0	117.0
30.0	96.0	117.0	117.0
42.0		117.0	117.0
54.0		117.0	117.0
66.0		117.0	117.0
78.0		117.0	117.0
30.0	102.0	117.0	117.0
42.0		117.0	117.0
54.0		117.0	117.0
66.0		117.0	117.0
78.0		117.0	117.0
30.0	108.0	117.0	117.0
42.0		117.0	117.0
54.0		117.0	117.0
66.0		117.0	117.0
78.0		100.0	100.0
30.0	114.0	117.0	117.0
42.0		117.0	117.0
54.0		117.0	117.0
66.0		117.0	117.0
78.0		90.0	90.0
30.0	120.5	117.0	117.0
42.0		117.0	117.0
54.0		117.0	117.0
66.0		100.0	100.0
78.0		90.0	90.0
30.0	126.0	117.0	117.0
42.0		117.0	117.0
54.0		117.0	117.0
66.0		100.0	100.0
78.0		90.0	90.0
30.0	132.0	117.0	117.0
42.0		117.0	117.0
54.0		117.0	117.0
66.0		90.0	90.0
78.0		90.0	90.0
30.0	138.0	117.0	117.0
42.0		117.0	117.0
54.0		90.0	90.0
66.0		90.0	90.0
78.0		90.0	90.0

NOTE: NO EXTRAPOLATION BEYOND TESTED SIZES IS PERMITTED.

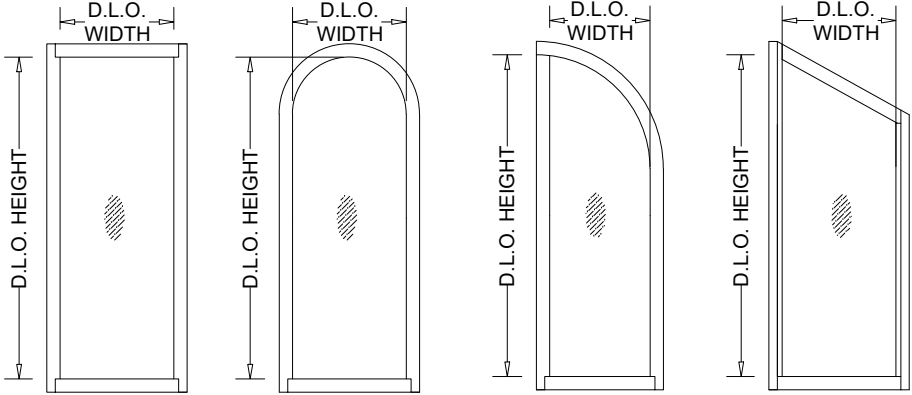
GLASS LOAD CAPACITY - PSF			
NOMINAL DIMENSIONS.		L.M.I. OR S.M.I.	
DLO-W	DLO-H	'G1'	'G2'
(IN)	(IN)	EXT(+)	EXT(+)
		INT (-)	INT (-)
30.0	144.0	117.0	117.0
42.0		117.0	117.0
54.0		90.0	90.0
66.0		90.0	90.0
78.0		90.0	90.0
30.0	150.0	117.0	117.0
42.0		117.0	117.0
54.0		90.0	90.0
66.0		90.0	90.0
78.0		90.0	90.0
30.0	156.0	117.0	117.0
42.0		117.0	117.0
54.0		90.0	90.0
66.0		90.0	90.0
78.0		90.0	90.0
30.0	162.0	117.0	117.0
42.0		90.0	90.0
54.0		90.0	90.0
66.0		90.0	90.0
78.0		90.0	90.0
30.0	168.0	117.0	117.0
42.0		90.0	90.0
54.0		90.0	90.0
66.0		90.0	90.0
78.0		90.0	90.0
30.0	172.0	117.0	117.0
42.0		90.0	90.0
54.0		90.0	90.0
66.0		90.0	90.0
78.0		90.0	90.0
30.0	178.0	117.0	117.0
42.0		90.0	90.0
54.0		90.0	90.0
66.0		90.0	90.0
78.0		90.0	90.0
30.0	184.0	117.0	117.0
42.0		90.0	90.0
54.0		90.0	90.0
66.0		90.0	90.0
68.24		90.0	90.0
30.0	186.5	117.0	117.0
42.0		90.0	90.0
54.0		90.0	90.0
66.0		90.0	90.0
68.24		90.0	90.0



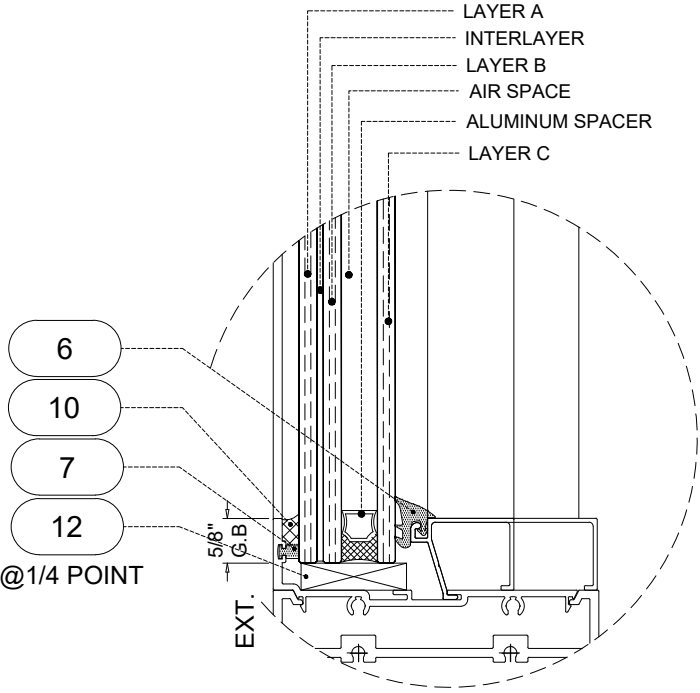
NOTE:
GLASS COMPLIES WITH ASTM E1300-09
(3 SEC. GUSTS).
FRAME WIDTH = D.L.O. WIDTH + 4.625" (AT JAMB)
FRAME WIDTH = D.L.O. WIDTH + 3.75" (AT MULLION)
FRAME HEIGHT = D.L.O. HEIGHT + 5.5"



GLASS TYPE "G1"
9/16" NOMINAL OVERALL

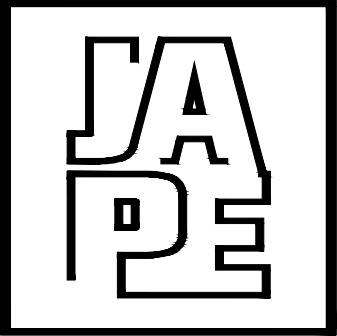


APPROVED SHAPES



GLASS TYPE "G2"
1-5/16" NOMINAL OVERALL

GLAZING DETAILS OF GLASS						
GLASS TYPE	EXT. SEALANT	LAYER A	INTERLAYER	LAYER B	AIR SPACE	LAYER C
G1	DOWSIL 791 OR GE 2000 OR SIKA SG-10	1/4" HEAT STREN'D CLEAR GLASS W/ R43/28 (#2 SURFACE)	0.090" SENTRYGLAS INTERLAYER BY KURARAY AMERICA, INC.	1/4" HEAT STREN'D CLEAR GLASS	-	-
G2		1/4" HEAT STREN'D CLEAR GLASS W/ R43/28 (#2 SURFACE)	0.090" SENTRYGLAS INTERLAYER BY KURARAY AMERICA, INC.	1/4" HEAT STREN'D CLEAR GLASS	1/2" AIR SPACE	1/4" FULLY TEMPERED GLASS

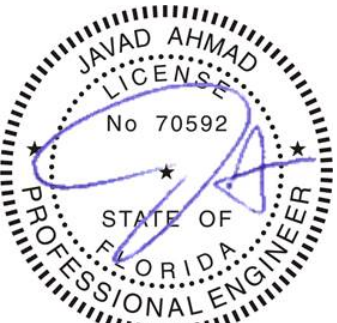


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ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :			
ENV-750 ALUMINUM WINDOW WALL SYSTEM (L.M.I.)			
CLIENT :			
ENVIRALUM IND. INC.			
5100 NW 72 AVE.UNIT C MIAMI, FL 33166 PHONE: 305.752.4411 FAX: 305.406.3877			
REVISION			
No.	DATE	BY	DESCRIPTION
0			
date:		2/12/2026	
scale:		N/A	
drawn by:		M.S.	
check by:			
Drawing no.		JA-1144-25	
Eng: JAVAD AHMAD, PE CIVIL FLA. PE # 70592 — C.A.N. 34254			



SEALED: 02/27/2026

GLASS TABLES

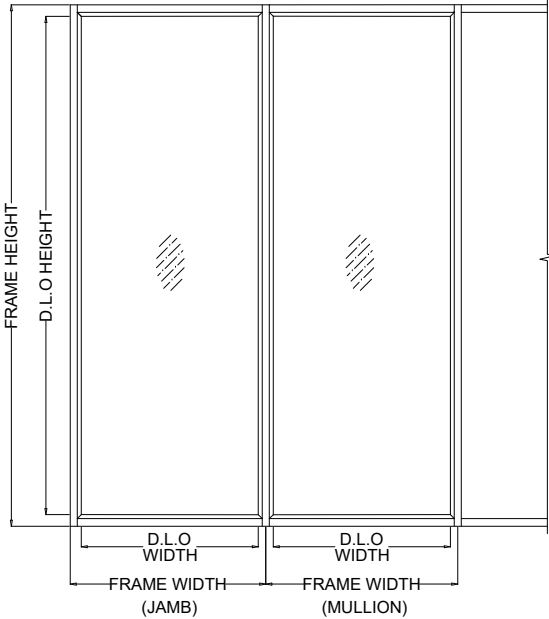
SHEET No.
3A OF 13

FL# 41728.1

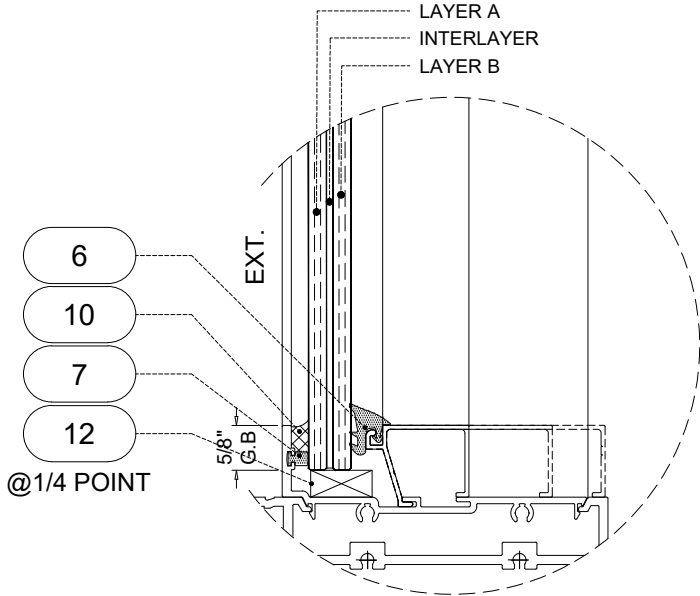
GLASS LOAD CAPACITY - PSF			
NOMINAL DIMENSIONS.		S.M.I.	
DLO-W	DLO-H	'GS1'	'GS2'
(IN)	(IN)	EXT(+)	EXT(+)
		INT (-)	INT (-)
30.0	113.0	120.0	120.0
42.0		120.0	120.0
54.0		120.0	120.0
66.0		120.0	120.0
78.0		120.0	120.0
30.0	96.0	120.0	120.0
42.0		120.0	120.0
54.0		120.0	120.0
66.0		120.0	120.0
78.0		120.0	120.0
30.0	102.0	120.0	120.0
42.0		120.0	120.0
54.0		120.0	120.0
66.0		120.0	120.0
78.0		120.0	120.0
30.0	108.0	120.0	120.0
42.0		120.0	120.0
54.0		120.0	120.0
66.0		120.0	120.0
78.0		113.0	113.0
30.0	114.0	120.0	120.0
42.0		120.0	120.0
54.0		120.0	120.0
66.0		120.0	120.0
78.0		113.0	113.0
30.0	120.5	120.0	120.0
42.0		120.0	120.0
54.0		120.0	120.0
66.0		113.0	113.0
78.0		113.0	113.0
30.0	126.0	120.0	120.0
42.0		120.0	120.0
54.0		120.0	120.0
66.0		113.0	113.0
78.0		113.0	113.0
30.0	132.0	120.0	120.0
42.0		120.0	120.0
54.0		120.0	120.0
66.0		113.0	113.0
78.0		113.0	113.0
30.0	138.0	120.0	120.0
42.0		120.0	120.0
54.0		113.0	113.0
66.0		113.0	113.0
78.0		113.0	113.0

NOTE: NO EXTRAPOLATION BEYOND TESTED SIZES IS PERMITTED.

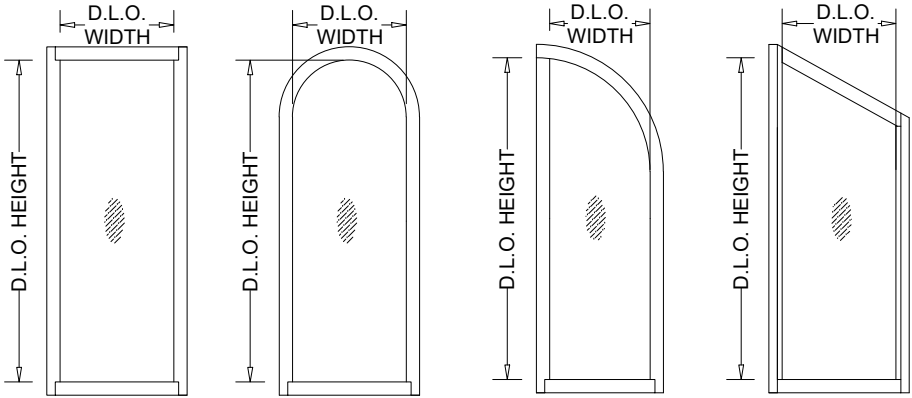
GLASS LOAD CAPACITY - PSF			
NOMINAL DIMENSIONS.		S.M.I.	
DLO-W	DLO-H	'GS1'	'GS2'
(IN)	(IN)	EXT(+)	EXT(+)
		INT (-)	INT (-)
30.0	144.0	120.0	120.0
42.0		120.0	120.0
54.0		113.0	113.0
66.0		113.0	113.0
78.0		113.0	113.0
30.0	150.0	120.0	120.0
42.0		120.0	120.0
54.0		113.0	113.0
66.0		113.0	113.0
78.0		113.0	113.0
30.0	156.0	120.0	120.0
42.0		113.0	113.0
54.0		113.0	113.0
66.0		113.0	113.0
78.0		113.0	113.0
30.0	162.0	120.0	120.0
42.0		113.0	113.0
54.0		113.0	113.0
66.0		113.0	113.0
78.0		113.0	113.0
30.0	168.0	120.0	120.0
42.0		113.0	113.0
54.0		113.0	113.0
66.0		113.0	113.0
78.0		113.0	113.0
30.0	172.0	113.0	113.0
42.0		113.0	113.0
54.0		113.0	113.0
66.0		113.0	113.0
78.0		113.0	113.0
30.0	178.0	120.0	120.0
42.0		113.0	113.0
54.0		113.0	113.0
66.0		113.0	113.0
78.0		113.0	113.0
30.0	184.0	120.0	120.0
42.0		113.0	113.0
54.0		113.0	113.0
66.0		113.0	113.0
68.24		113.0	113.0
30.0	186.5	120.0	120.0
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54.0		113.0	113.0
66.0		113.0	113.0
68.24		113.0	113.0



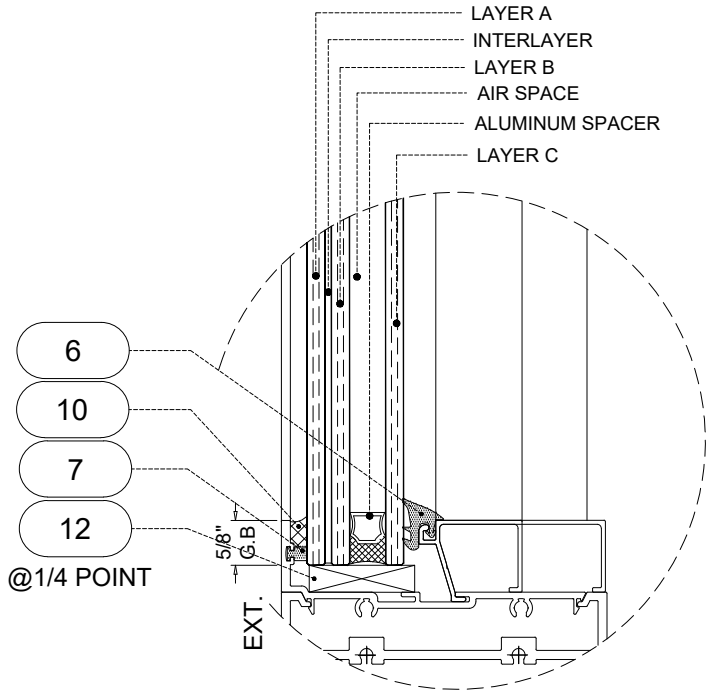
NOTE:
GLASS COMPLIES WITH ASTM E1300-09 (3 SEC. GUSTS).
FRAME WIDTH = D.L.O. WIDTH + 4.625" (AT JAMB)
FRAME WIDTH = D.L.O. WIDTH + 3.75" (AT MULLION)
FRAME HEIGHT = D.L.O. HEIGHT + 5.5"



GLASS TYPE "GS1"
9/16" NOMINAL OVERALL

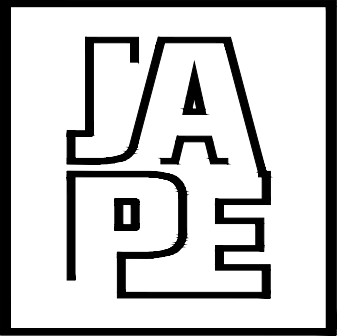


APPROVED SHAPES



GLASS TYPE "GS2"
1-5/16" NOMINAL OVERALL

GLAZING DETAILS OF GLASS						
GLASS TYPE	EXT. SEALANT	LAYER A	INTERLAYER	LAYER B	AIR SPACE	LAYER C
GS1	DOWSIL 791 OR GE 2000 OR SIKA SG-10	1/4" TEMPERED GLASS	0.060" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC.	1/4" TEMPERED GLASS	-	-
GS2		1/4" TEMPERED GLASS	0.060" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC.	1/4" TEMPERED GLASS	1/2" AIR SPACE	1/4" FULLY TEMPERED GLASS



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drawn by:		M.S.	
check by:			
Drawing no.		JA-1144-25	
Eng: JAVAD AHMAD, PE CIVIL FLA. PE # 70592 — C.A.N. 34254			



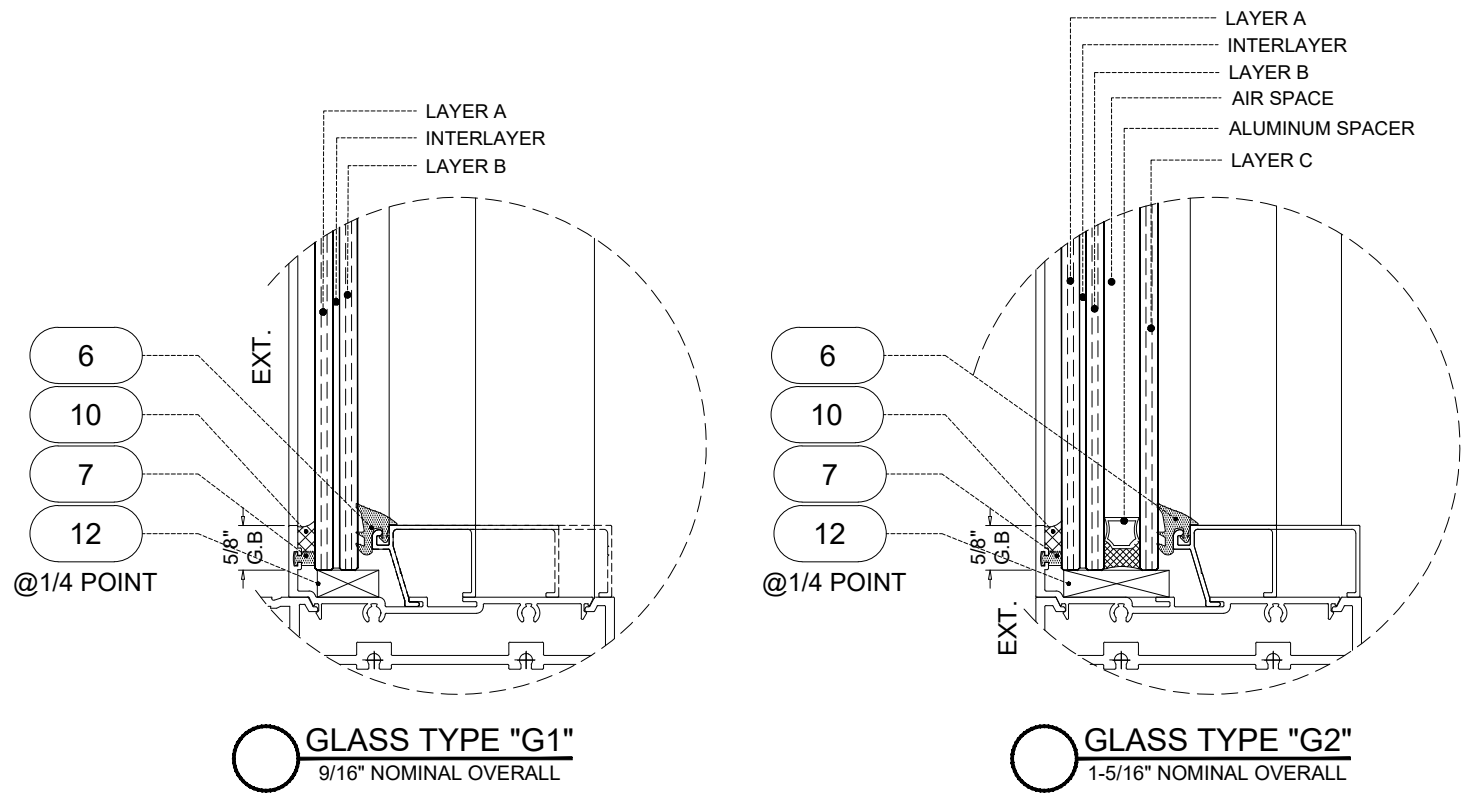
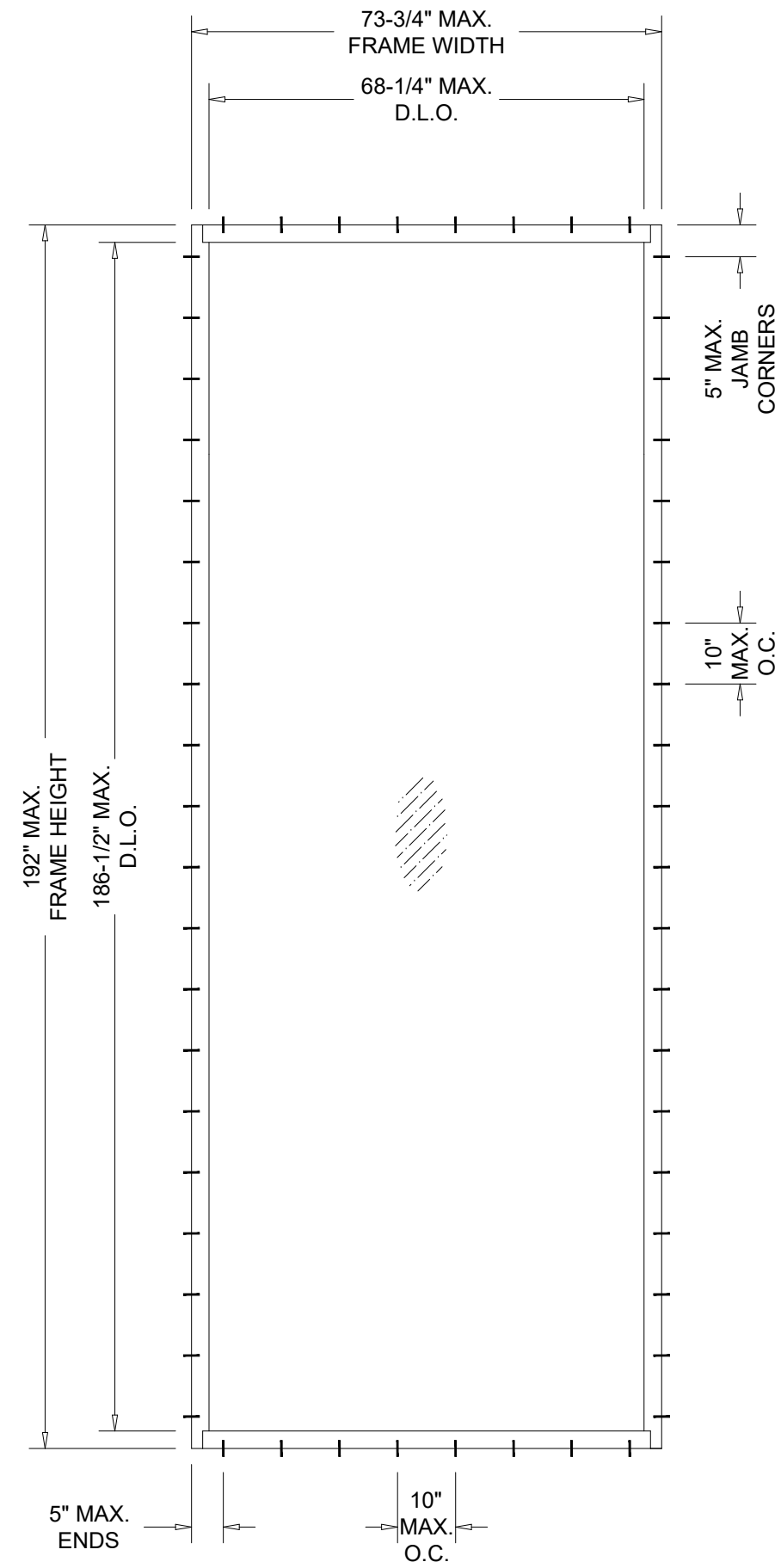
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GLASS TABLES

SHEET No.
3B OF 13

FL# 41728.1

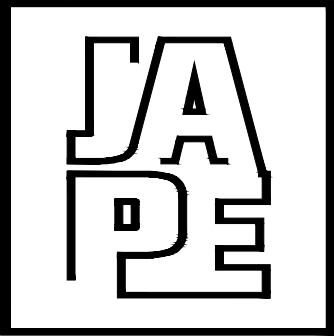
SINGLE BIG O-PANEL APPROVED:
(LARGE MISSILE IMPACT)



GLAZING DETAILS OF GLASS						
GLASS TYPE	EXT. SEALANT	LAYER A	INTERLAYER	LAYER B	AIR SPACE	LAYER C
G1	DOWSIL 791 OR GE 2000 OR SIKA SG-10	1/4" HEAT STREN'D CLEAR GLASS W/ R43/28 (#2 SURFACE)	0.090" SENTRYGLAS INTERLAYER BY KURARAY AMERICA, INC.	1/4" HEAT STREN'D CLEAR GLASS	-	-
G2		1/4" HEAT STREN'D CLEAR GLASS W/ R43/28 (#2 SURFACE)	0.090" SENTRYGLAS INTERLAYER BY KURARAY AMERICA, INC.	1/4" HEAT STREN'D CLEAR GLASS	1/2" AIR SPACE	1/4" FULLY TEMPERED GLASS

WITH GLASS TYPE 'G1' & 'G2' ONLY:
MAX. DESIGN LOADS = +/- 90.0 PSF

NOTE:
INTERPOLATION BETWEEN
WIDTHS OR HEIGHTS ALLOWED.



JAVAD AHMAD PE, inc

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PROJECT :

ENV-750 ALUMINUM WINDOW
WALL SYSTEM (L.M.I.)

CLIENT :

ENVIRALUM IND. INC.

5100 NW 72 AVE. UNIT C MIAMI, FL 33166
PHONE: 305.752.4411
FAX: 305.406.3877

REVISION

No.	DATE	BY	DESCRIPTION
0			

date: 2/12/2026

scale: N/A

drawn by: M.S.

check by:

Drawing no. JA-1144-25

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 – C.A.N. 34254



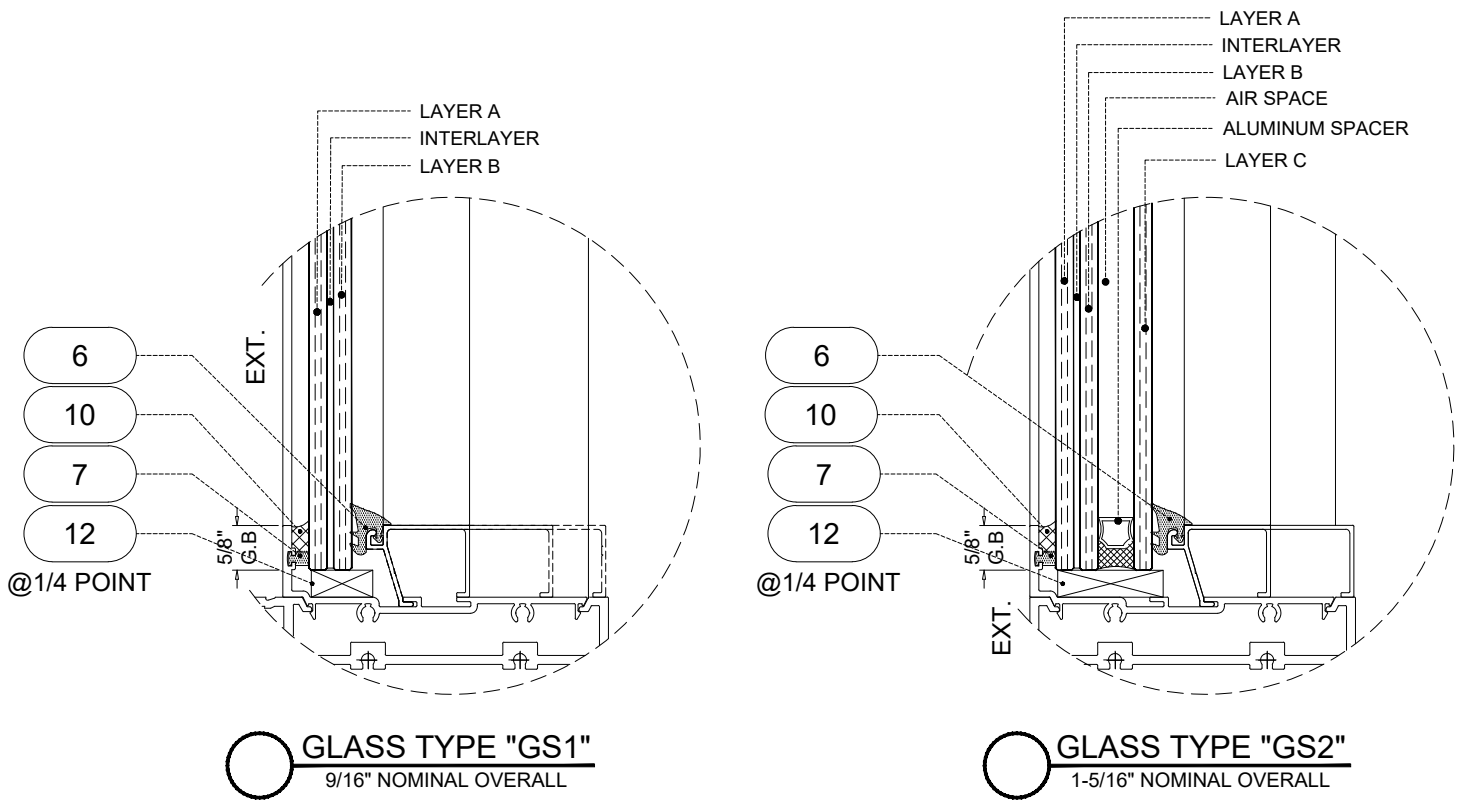
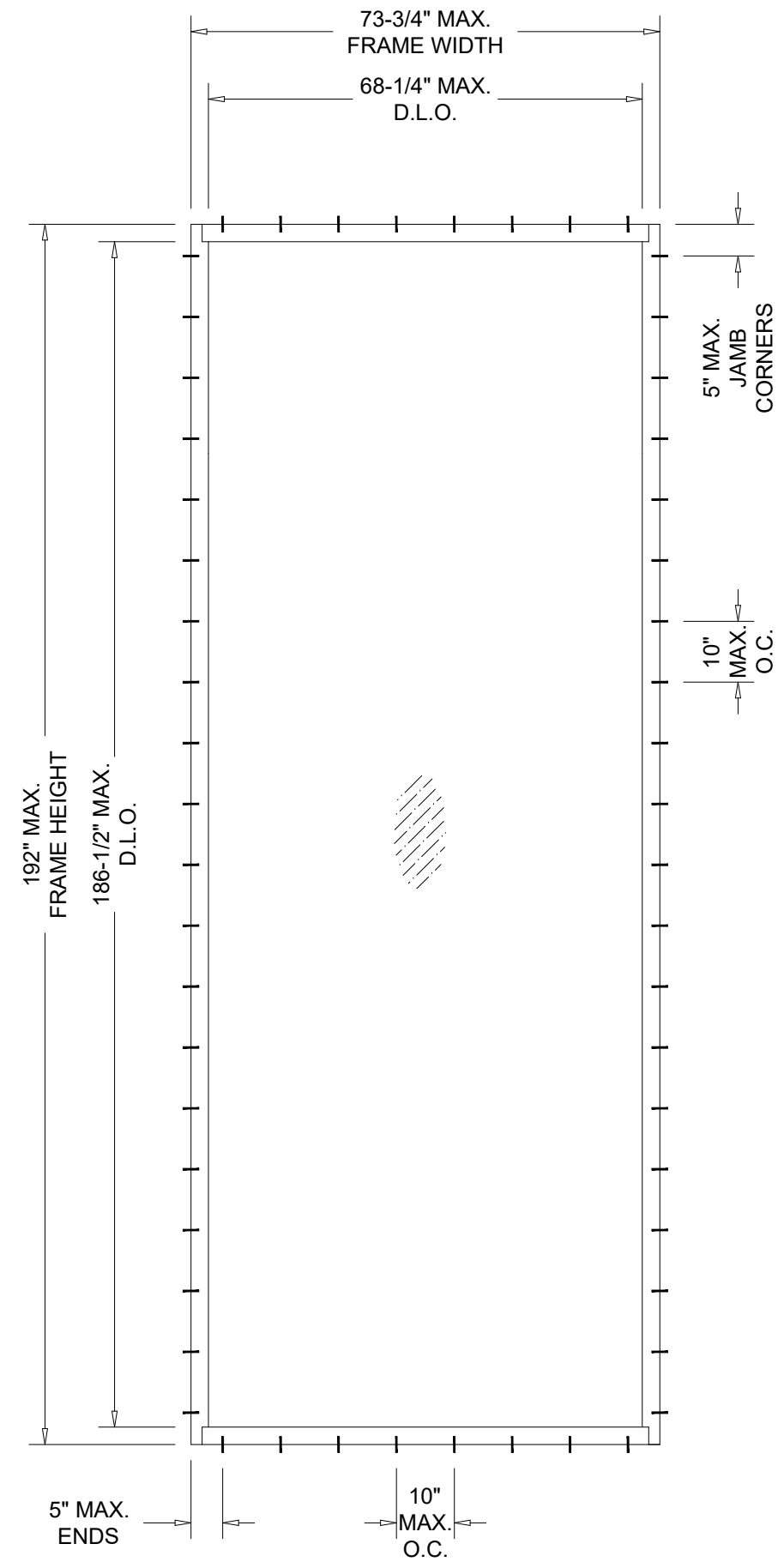
SEALED: 02/27/2026

GLASS TABLES

SHEET No.
3C OF 13

FL# 41728.1

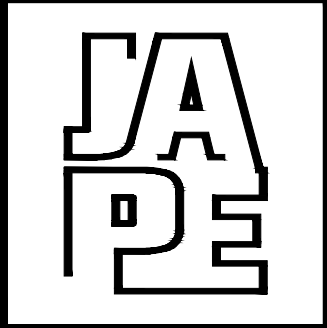
SINGLE BIG O-PANEL APPROVED:
(SMALL MISSIGLE IMPACT)



GLAZING DETAILS OF GLASS						
GLASS TYPE	EXT. SEALANT	LAYER A	INTERLAYER	LAYER B	AIR SPACE	LAYER C
GS1	DOWSIL 791 OR GE 2000 OR SIKA SG-10	1/4" TEMPERED GLASS	0.060" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC.	1/4" TEMPERED GLASS	-	-
GS2		1/4" TEMPERED GLASS	0.060" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC.	1/4" TEMPERED GLASS	1/2" AIR SPACE	1/4" FULLY TEMPERED GLASS

WITH GLASS TYPE 'GS1' & 'GS2' ONLY:
MAX. DESIGN LOADS = +/- 113.0 PSF

NOTE:
INTERPOLATION BETWEEN
WIDTHS OR HEIGHTS ALLOWED.



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PROJECT :

ENV-750 ALUMINUM WINDOW
WALL SYSTEM (L.M.I.)

CLIENT :

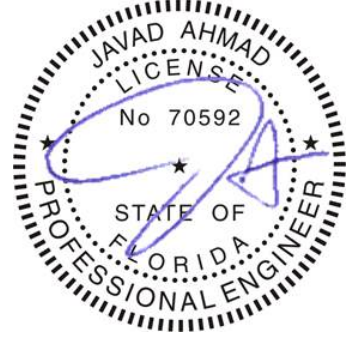
ENVIRALUM IND. INC.

5100 NW 72 AVE. UNIT C MIAMI, FL 33166
PHONE: 305.752.4411
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No.	DATE	BY	DESCRIPTION
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Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 – C.A.N. 34254

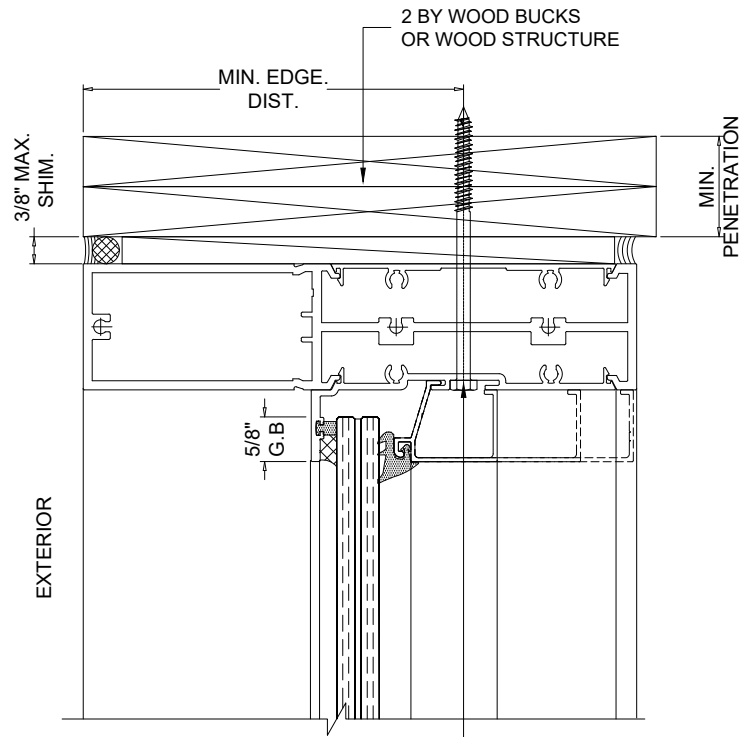


SEALED: 02/27/2026

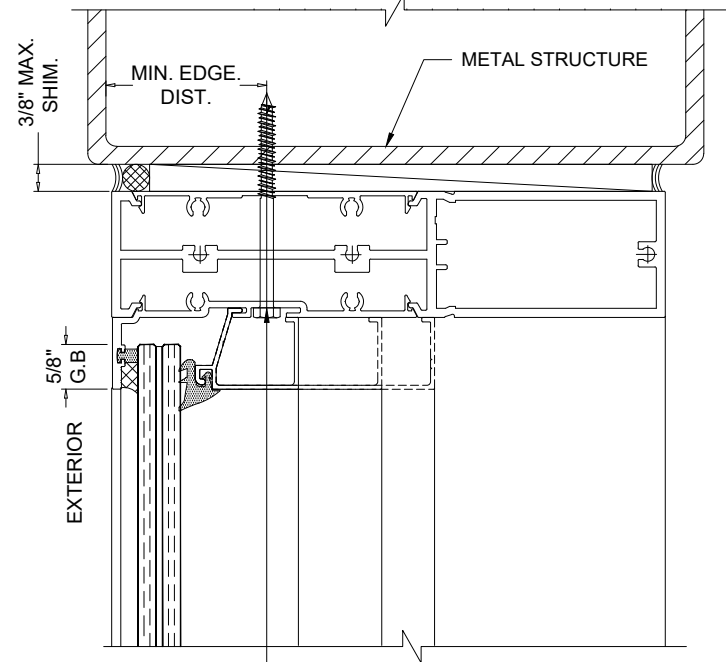
GLASS TABLES

SHEET No.
3D OF 13

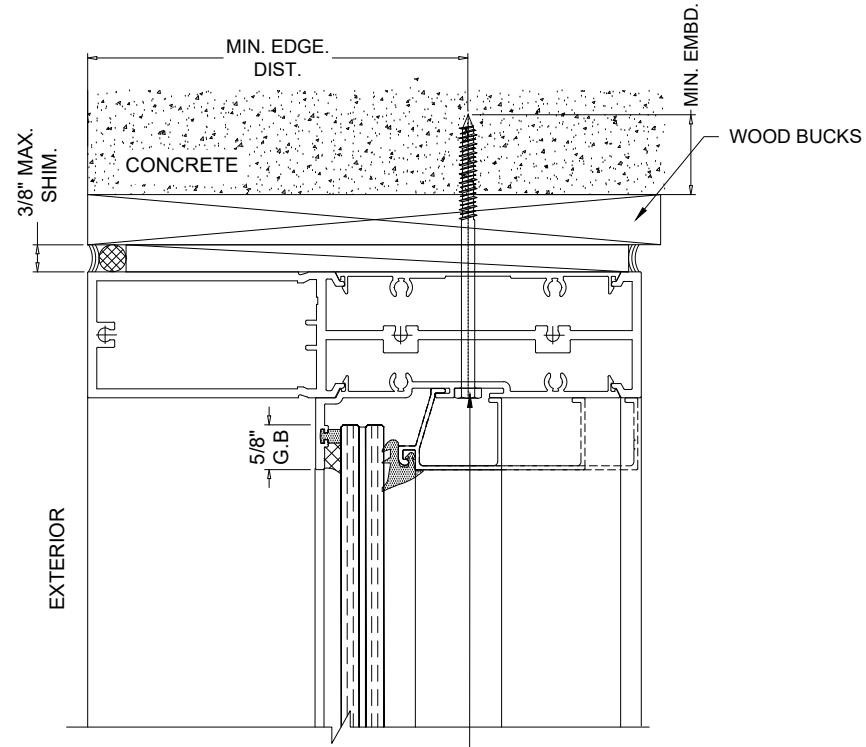
FL# 41728.1



TYP. ANCHORS SEE BELOW FOR
SPECS. AND SHEET 02 & SHEET 7A &
7B FOR CLUSTER ANCHOR SPACING
AND QUANTITY RESPECTIVELY



TYP. ANCHORS SEE BELOW FOR
SPECS. AND SHEET 02 & SHEET 7A &
7B FOR CLUSTER ANCHOR SPACING
AND QUANTITY RESPECTIVELY



TYP. ANCHORS SEE BELOW FOR
SPECS. AND SHEET 02 & SHEET 7A &
7B FOR CLUSTER ANCHOR SPACING
AND QUANTITY RESPECTIVELY

ANCHOR TYPES:

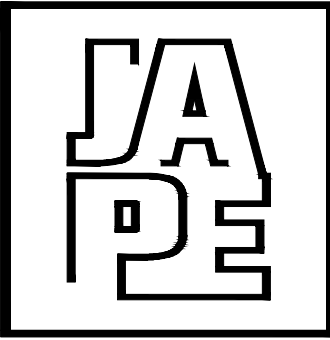
- A** **5/16" DIA. ULTRACON BY "DEWALT"** (Fu=177 KSI, Fy=155 KSI)
1-3/4" MIN. EMBED DIRECTLY INTO $f_c' = 3$ KSI MIN. CONCRETE
- AA** **5/16" DIA. ULTRACON BY "DEWALT"** (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE (SG=0.55)
W/ 1-1/2" MIN. PENETRATION OR THRU WOOD BUCKS INTO CONCRETE,
1-3/4" MIN. EMBED.
- B** **5/16" SMS OR TEKS-SELF DRILLING SCREW GRADE 5 SCREW**
(Fy=92 KSI, Fu=120 KSI)
INTO 1/8" MIN. THK. ALUM. (6063-T5 MIN.) OR 1/8" STEEL STRUCTURE

ANCHOR EDGE DISTANCE:
INTO CONCRETE OR BLOCKS: 2-1/2" MIN.
INTO WOOD STRUCTURE: 1 1/2" MIN.
INTO METAL STRUCTURE: 3/4" MIN.

NOTE:

A5 OR AA5 OR B5:
CLUSTER OF (5) TYPE "A" OR "AA" OR "B" AT HEAD OR SILL

A4 OR AA4 OR B4:
CLUSTER OF (4) TYPE "A" OR "AA" OR "B" AT HEAD OR SILL



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REVISION

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check by:

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Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N. 34254



SEALED: 02/27/2026

FL# 41728.1

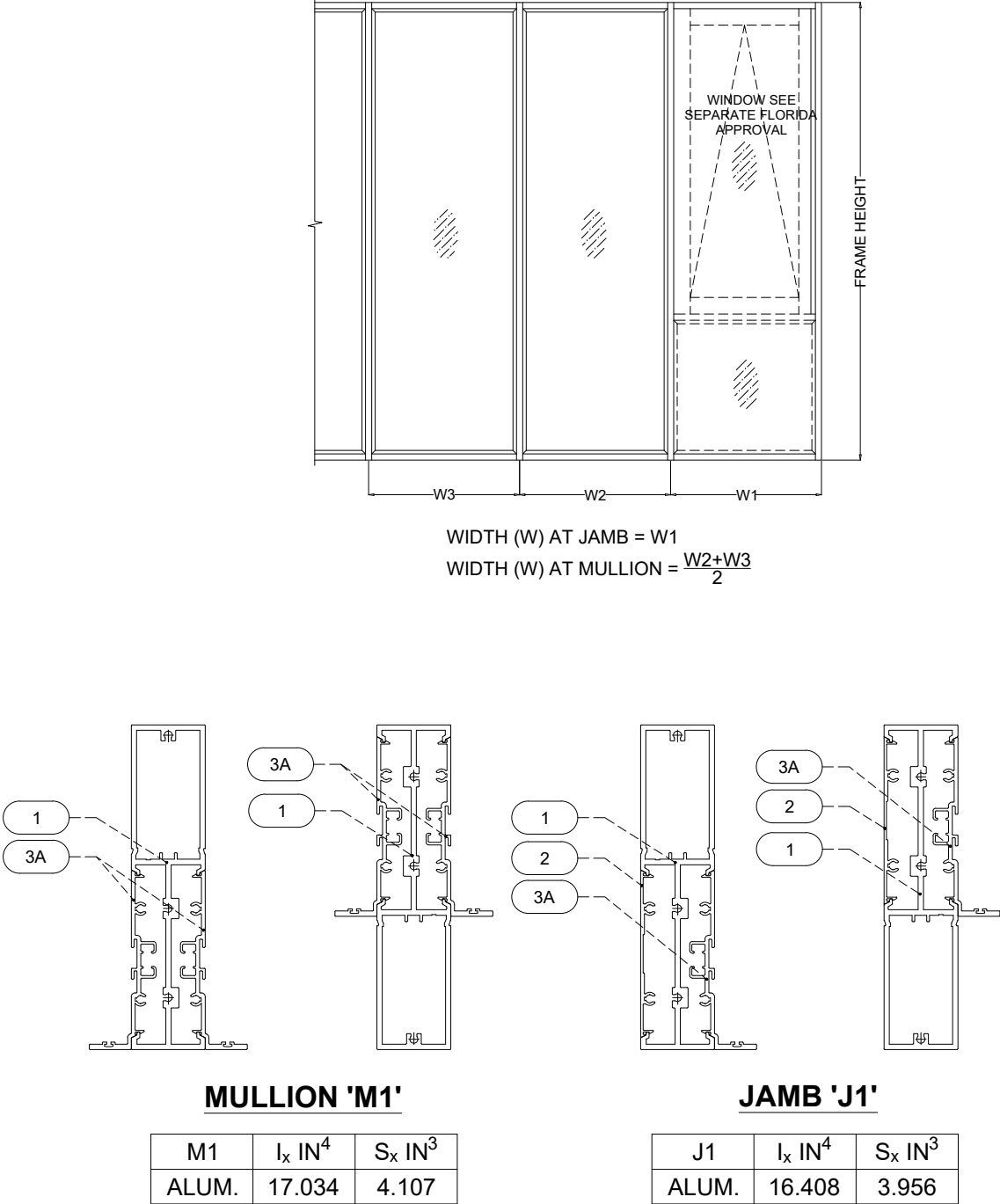
ANCHORS SPECS

SHEET No.
04 OF 13

"MULLION LOAD CAPACITY - PSF			
NOMINAL DIMENSIONS.		JAMB 'J1', MULLION 'M1'	
		W/O HORIZONTAL	W/ HORIZONTAL
FRAME HEIGHT (IN)	WIDTH (IN)	EXT(+) INT (-)	EXT(+) INT (-)
84.0	30.0	100.0	100.0
	36.0	100.0	100.0
	42.0	100.0	100.0
	48.0	100.0	100.0
	54.0	100.0	100.0
	60.0	100.0	100.0
	66.0	90.0	90.0
	72.0	82.0	82.0
	78.0	76.0	76.0
90.0	30.0	100.0	100.0
	36.0	100.0	100.0
	42.0	100.0	100.0
	48.0	100.0	100.0
	54.0	100.0	100.0
	60.0	100.0	99.0
	66.0	84.0	84.0
	72.0	77.0	77.0
96.0	30.0	100.0	100.0
	36.0	100.0	100.0
	42.0	100.0	100.0
	48.0	100.0	100.0
	54.0	100.0	100.0
	60.0	100.0	92.0
	66.0	78.0	78.0
102.0	30.0	100.0	100.0
	36.0	100.0	100.0
	42.0	100.0	100.0
	48.0	100.0	100.0
	54.0	100.0	97.0
	60.0	100.0	87.0
108.0	30.0	100.0	100.0
	36.0	100.0	100.0
	42.0	100.0	100.0
	48.0	100.0	100.0
	54.0	100.0	91.0
	60.0	95.0	82.0
114.0	30.0	100.0	100.0
	36.0	100.0	100.0
	42.0	100.0	100.0
	48.0	100.0	97.0
	54.0	94.0	86.0
	60.0	88.0	78.0
120.0	30.0	100.0	100.0
	36.0	100.0	100.0
	42.0	100.0	100.0
	48.0	96.0	92.0
	54.0	88.0	82.0

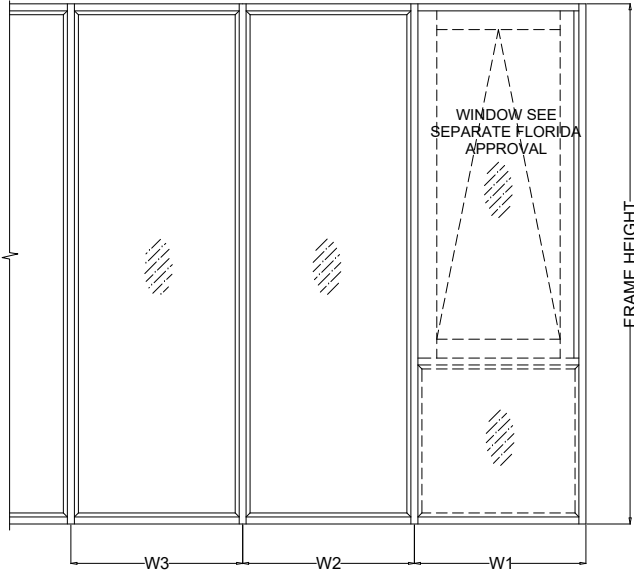
"MULLION LOAD CAPACITY - PSF			
NOMINAL DIMENSIONS.		JAMB 'J1', MULLION 'M1'	
		W/O HORIZONTAL	W/ HORIZONTAL
FRAME HEIGHT (IN)	WIDTH (IN)	EXT(+) INT (-)	EXT(+) INT (-)
126.0	30.0	100.0	100.0
	36.0	100.0	100.0
	42.0	100.0	100.0
	48.0	91.0	88.0
	54.0	83.0	78.0
132.0	30.0	100.0	100.0
	36.0	100.0	100.0
	42.0	95.0	96.0
	48.0	86.0	84.0
138.0	30.0	100.0	100.0
	36.0	100.0	100.0
	42.0	90.0	89.0
	48.0	81.0	78.0
144.0	30.0	100.0	100.0
	36.0	97.0	95.0
	42.0	84.0	81.0
	48.0	74.0	71.0

NOTE: NO EXTRAPOLATION BEYOND TESTED SIZES IS PERMITTED.

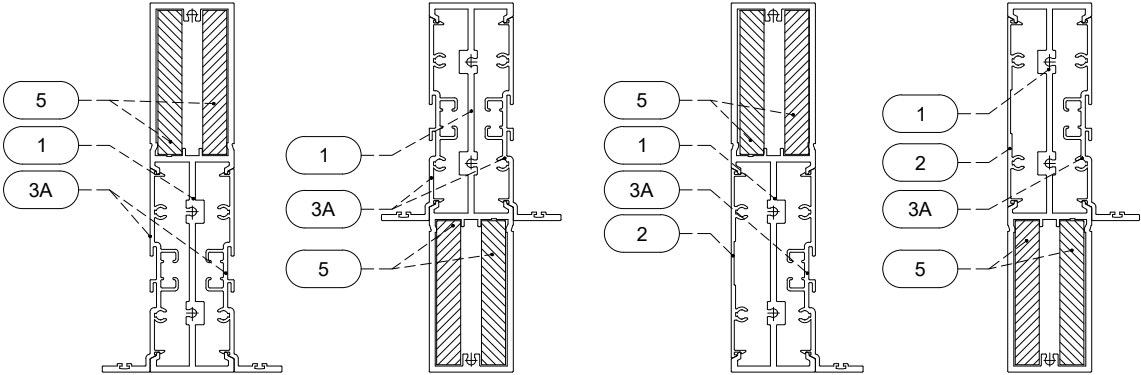


"MULLION LOAD CAPACITY - PSF			
NOMINAL DIMENSIONS.		JAMB 'J2', MULLION 'M2'	
		W/O HORIZONTAL	W/ HORIZONTAL
FRAME HEIGHT (IN)	WIDTH (IN)	EXT(+) INT (-)	EXT(+) INT (-)
150.0	30.0	58.0	58.0
	36.0	58.0	58.0
	42.0	58.0	58.0
	48.0	56.0	55.0
156.0	30.0	58.0	58.0
	36.0	58.0	58.0
	42.0	58.0	58.0
	48.0	54.0	53.0
162.0	30.0	58.0	58.0
	36.0	58.0	58.0
	42.0	58.0	58.0
	48.0	52.0	51.0
168.0	30.0	58.0	58.0
	36.0	58.0	58.0
	42.0	57.0	56.0
	48.0	50.0	49.0
174.0	30.0	58.0	58.0
	36.0	58.0	58.0
	42.0	55.0	54.0
	48.0	48.0	47.0
180.0	30.0	58.0	58.0
	36.0	58.0	58.0
	42.0	53.0	52.0
	48.0	46.0	46.0
186.0	30.0	58.0	58.0
	36.0	58.0	58.0
	42.0	51.0	50.0
	48.0	45.0	44.0
192.0	30.0	58.0	58.0
	36.0	58.0	57.0
	42.0	49.0	48.0
	48.0	42.0	41.0

NOTE: NO EXTRAPOLATION BEYOND TESTED SIZES IS PERMITTED.



WIDTH (W) AT JAMB = W1
WIDTH (W) AT MULLION = $\frac{W2+W3}{2}$



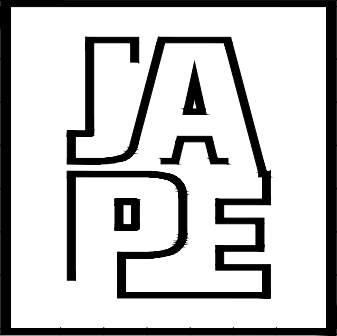
MULLION 'M2'

JAMB 'J2'

M1,M2	I _x (IN ⁴)	S _x (IN ³)
ALUM.	17.034	4.107
STEEL	2.250	1.500
TOTAL (IN ALUM.)	23.559	-

JA,J2	I _x (IN ⁴)	S _x (IN ³)
ALUM.	16.408	3.956
STEEL	2.250	1.500
TOTAL (IN ALUM.)	22.933	-

FL# 41728.1



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PROJECT :

ENV-750 ALUMINUM WINDOW
WALL SYSTEM (L.M.I.)

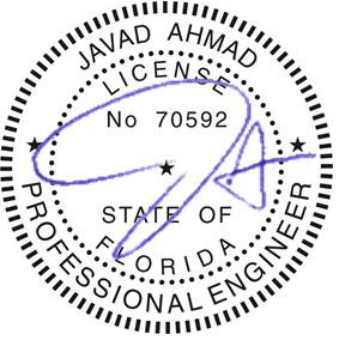
CLIENT :

ENVIRALUM IND. INC.

5100 NW 72 AVE. UNIT C MIAMI, FL 33166
PHONE: 305.752.4411
FAX: 305.406.3877

REVISION			
No.	DATE	BY	DESCRIPTION
0			
date:		2/12/2026	
scale:		N/A	
drawn by:		M.S.	
check by:			
Drawing no.		JA-1144-25	

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 – C.A.N. 34254



SEALED: 02/27/2026

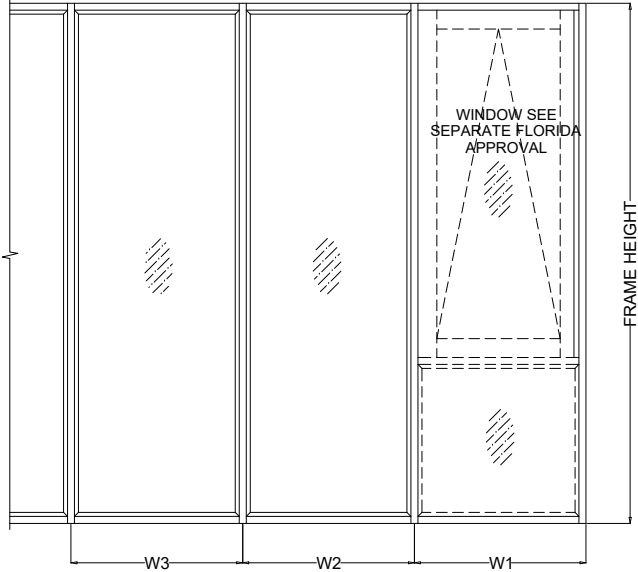
MULL / JAMB TABLES

SHEET No.
5B OF 13

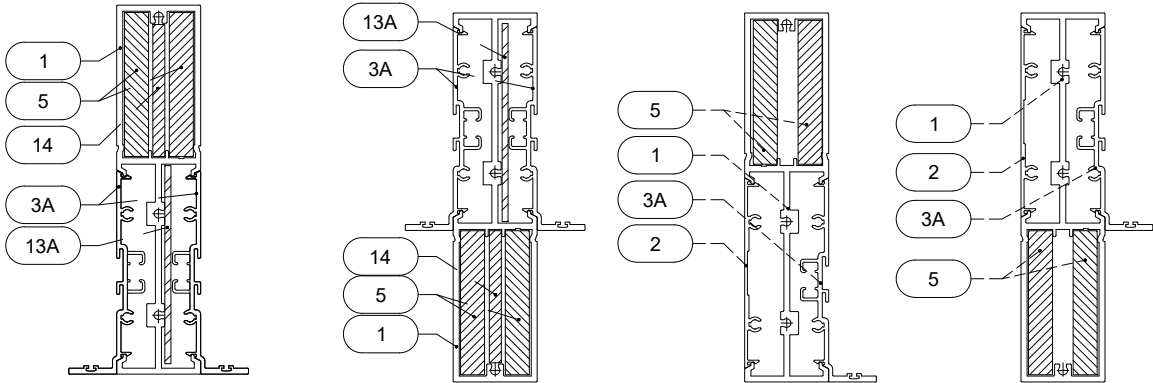
"MULLION LOAD CAPACITY - PSF			
NOMINAL DIMENSIONS.		JAMB 'J2', MULLION 'M3'	
		W/O HORIZONTAL	W/ HORIZONTAL
FRAME HEIGHT (IN)	WIDTH (IN)	EXT(+) INT (-)	EXT(+) INT (-)
96.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	117.0
	54.0	117.0	117.0
	60.0	117.0	117.0
102.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	117.0
	54.0	117.0	117.0
	60.0	117.0	117.0
108.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	117.0
	54.0	117.0	117.0
114.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	117.0
	54.0	117.0	117.0
120.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	117.0
126.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	117.0

NOTE: NO EXTRAPOLATION BEYOND TESTED SIZES IS PERMITTED.

"MULLION LOAD CAPACITY - PSF			
NOMINAL DIMENSIONS.		JAMB 'J2', MULLION 'M3'	
		W/O HORIZONTAL	W/ HORIZONTAL
FRAME HEIGHT (IN)	WIDTH (IN)	EXT(+) INT (-)	EXT(+) INT (-)
132.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	117.0
138.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	111.0	111.0
144.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	107.0	107.0
150.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	116.0
	48.0	101.0	101.0
156.0	30.0	117.0	117.0
	36.0	117.0	110.0
	42.0	117.0	106.0
	48.0	101.0	91.0
162.0	30.0	117.0	117.0
	36.0	117.0	111.0
	42.0	99.0	94.0
	48.0	85.0	81.0
168.0	30.0	117.0	111.0
	36.0	105.0	100.0
	42.0	89.0	84.0
	48.0	77.0	73.0
174.0	30.0	116.0	110.0
	36.0	96.0	91.0
	42.0	81.0	77.0
	48.0	70.0	66.0
180.0	30.0	105.0	100.0
	36.0	86.0	82.0
	42.0	81.0	77.0
	48.0	70.0	67.0
186.0	30.0	96.0	91.0
	36.0	78.0	74.0
	42.0	66.0	63.0
	48.0	57.0	54.0
192.0	30.0	87.0	82.0
	36.0	76.0	72.0
	42.0	57.0	53.0
	48.0	49.0	46.0



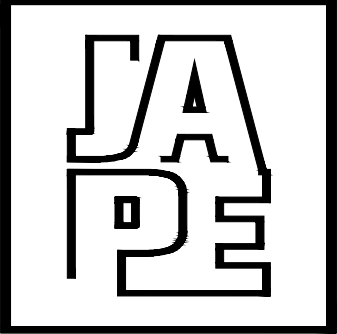
WIDTH (W) AT JAMB = W1
WIDTH (W) AT MULLION = $\frac{W2+W3}{2}$



M3	I _x (IN ⁴)	S _x (IN ³)
ALUM.	17.034	4.107
STEEL	3.414	1.655
TOTAL (IN ALUM.)	26.936	-

JA,J2	I _x (IN ⁴)	S _x (IN ³)
ALUM.	16.408	3.956
STEEL	2.250	1.500
TOTAL (IN ALUM.)	22.933	-

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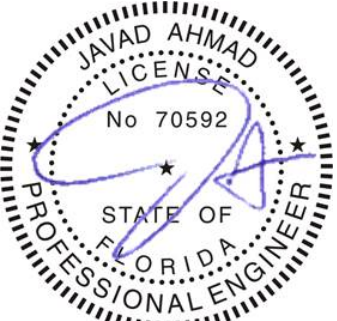
5100 NW 72 AVE. UNIT C MIAMI, FL 33166
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REVISION

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check by:	
Drawing no.	JA-1144-25

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 – C.A.N. 34254



SEALED: 02/27/2026

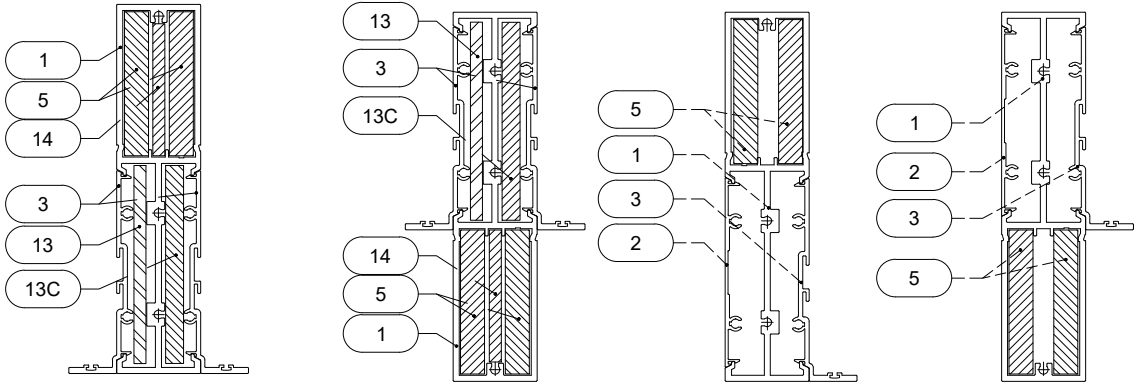
MULL / JAMB TABLES

SHEET No.
5C OF 13

"MULLION LOAD CAPACITY - PSF			
NOMINAL DIMENSIONS.		JAMB 'J3', MULLION 'M4'	
		W/O HORIZONTAL	W/ HORIZONTAL
FRAME HEIGHT (IN)	WIDTH (IN)	EXT(+) INT (-)	EXT(+) INT (-)
96.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	117.0
	54.0	117.0	117.0
	60.0	117.0	117.0
102.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	117.0
	54.0	117.0	117.0
	60.0	117.0	117.0
108.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	117.0
	54.0	117.0	117.0
114.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	117.0
	54.0	117.0	117.0
120.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	117.0
126.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	117.0
132.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	117.0
138.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	77.0

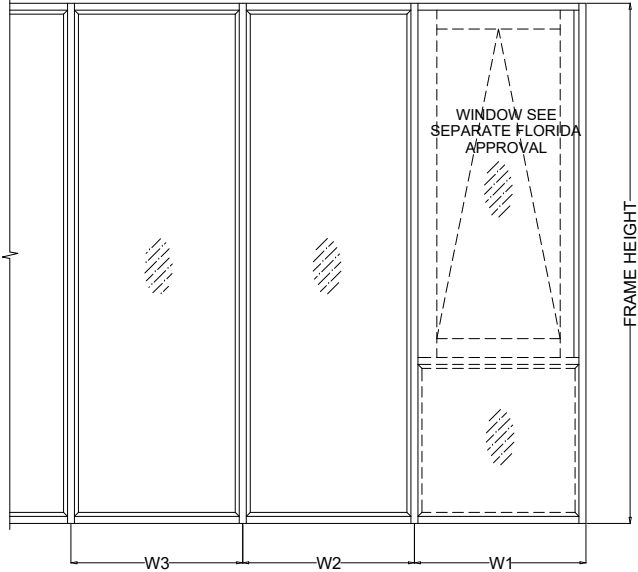
NOTE: NO EXTRAPOLATION BEYOND TESTED SIZES IS PERMITTED.

"MULLION LOAD CAPACITY - PSF			
NOMINAL DIMENSIONS.		JAMB 'J3', MULLION 'M4'	
		W/O HORIZONTAL	W/ HORIZONTAL
FRAME HEIGHT (IN)	WIDTH (IN)	EXT(+) INT (-)	EXT(+) INT (-)
144.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	117.0
	48.0	117.0	73.0
150.0	30.0	117.0	117.0
	36.0	117.0	117.0
	42.0	117.0	116.0
156.0	48.0	117.0	70.0
	30.0	117.0	117.0
	36.0	117.0	110.0
	42.0	117.0	106.0
162.0	48.0	117.0	68.0
	30.0	117.0	117.0
	36.0	117.0	111.0
	42.0	117.0	74.0
168.0	48.0	117.0	65.0
	30.0	117.0	111.0
	36.0	117.0	100.0
	42.0	117.0	72.0
174.0	48.0	100.0	64.0
	30.0	117.0	110.0
	36.0	117.0	91.0
180.0	42.0	105.0	69.0
	48.0	90.0	61.0
	30.0	117.0	100.0
	36.0	110.0	82.0
186.0	42.0	95.0	67.0
	48.0	80.0	59.0
	30.0	117.0	91.0
	36.0	97.0	76.0
192.0	42.0	85.0	65.0
	48.0	75.0	57.0
	30.0	107.0	88.0
	36.0	88.0	73.0
198.0	42.0	77.0	63.0
	48.0	67.0	55.0
	30.0	117.0	117.0

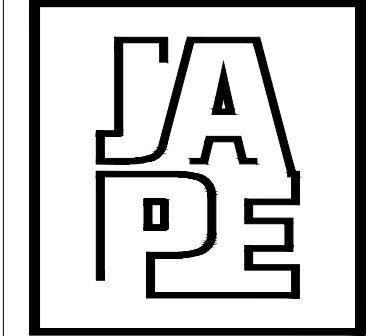


MULLION 'M4'			
	M3	I _x (IN ⁴)	S _x (IN ³)
	ALUM.	17.755	4.4250
	STEEL	6.339	3.5880
	TOTAL (IN ALUM.)	35.956	-

JAMB 'J3'			
	JA,J2	I _x (IN ⁴)	S _x (IN ³)
	ALUM.	16.408	3.956
	STEEL	2.250	1.500
	TOTAL (IN ALUM.)	22.933	-



WIDTH (W) AT JAMB = W1
WIDTH (W) AT MULLION = $\frac{W2+W3}{2}$



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PROJECT :			
ENV-750 ALUMINUM WINDOW WALL SYSTEM (L.M.I.)			
CLIENT :			
ENVIRALUM IND. INC.			
5100 NW 72 AVE.UNIT C MIAMI, FL 33166 PHONE: 305.752.4411 FAX: 305.406.3877			
REVISION			
No.	DATE	BY	DESCRIPTION
0			
date:		2/12/2026	
scale:		N/A	
drawn by:		M.S.	
check by:			
Drawing no.		JA-1144-25	
Eng: JAVAD AHMAD, PE CIVIL FLA. PE # 70592 – C.A.N. 34254			



SEALED: 02/27/2026

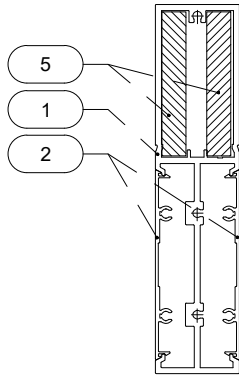
FL# 41728.1

MULL / JAMB TABLES	SHEET No. 5D OF 13
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"DOOR JAMB MULLION LOAD CAPACITY - PSF (DJJ/ J2")					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT	DOOR HEIGHT	DOOR WIDTH	SIDELITE WIDTH		
(L)	(A)	(W1)	(W2)		
IN	IN	IN	IN	EXT (+) PSF	INT (-) PSF
96.0	84.0	72.0	24.0	100.0	100.0
			36.0	100.0	100.0
			48.0	100.0	100.0
		84.0	24.0	100.0	100.0
			36.0	100.0	100.0
			48.0	100.0	100.0
		96.0	24.0	100.0	100.0
			36.0	100.0	100.0
			48.0	100.0	100.0
108.0	84.0	72.0	24.0	100.0	100.0
			36.0	100.0	100.0
			48.0	100.0	100.0
		84.0	24.0	100.0	100.0
			36.0	100.0	100.0
			48.0	96.0	96.0
		96.0	24.0	100.0	100.0
			48.0	89.0	89.0
			24.0	100.0	100.0
		72.0	36.0	100.0	100.0
			48.0	100.0	100.0
			24.0	100.0	100.0
	96.0	84.0	24.0	100.0	100.0
			36.0	100.0	100.0
			48.0	100.0	100.0
		96.0	24.0	100.0	100.0
			36.0	100.0	100.0
			48.0	94.0	94.0
120.0	84.0	72.0	24.0	100.0	100.0
			36.0	100.0	100.0
			48.0	90.0	90.0
		84.0	24.0	100.0	100.0
			36.0	94.0	94.0
			48.0	83.0	83.0
		96.0	24.0	99.0	99.0
			36.0	87.0	87.0
			24.0	100.0	100.0
	96.0	72.0	36.0	100.0	100.0
			48.0	94.0	94.0
			24.0	100.0	100.0
		84.0	36.0	99.0	99.0
			48.0	87.0	87.0
			24.0	100.0	100.0
		96.0	36.0	91.0	91.0
			24.0	100.0	100.0
		72.0	36.0	100.0	100.0
			48.0	98.0	98.0
			24.0	100.0	100.0
	108.0	84.0	36.0	100.0	100.0
			48.0	91.0	91.0
			24.0	100.0	100.0
		96.0	24.0	100.0	100.0
			36.0	96.0	96.0
			24.0	96.0	96.0

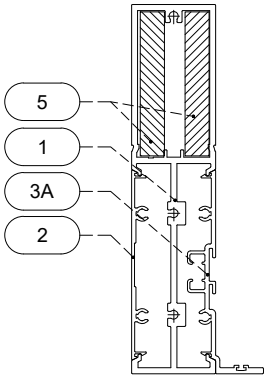
"DOOR JAMB MULLION LOAD CAPACITY - PSF (DJJ/ J2")					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT	DOOR HEIGHT	DOOR WIDTH	SIDELITE WIDTH		
(L)	(A)	(W1)	(W2)		
IN	IN	IN	IN	EXT (+) psf	INT (-) psf
134.0	84.0	72.0	24.0	100.0	100.0
			36.0	90.0	90.0
			48.0	79.0	79.0
		84.0	24.0	94.0	94.0
			36.0	82.0	82.0
			96.0	24.0	85.0
		96.0	24.0	100.0	100.0
			36.0	93.0	93.0
			48.0	81.0	81.0
	108.0	84.0	24.0	98.0	98.0
			36.0	85.0	85.0
			96.0	24.0	89.0
		72.0	24.0	100.0	100.0
			36.0	97.0	97.0
			48.0	84.0	84.0
		84.0	24.0	100.0	100.0
			36.0	89.0	89.0
			96.0	24.0	94.0
	120.0	72.0	24.0	100.0	100.0
			36.0	100.0	100.0
			48.0	87.0	87.0
		84.0	24.0	100.0	100.0
			36.0	93.0	93.0
			96.0	24.0	100.0

NOTE: NO EXTRAPOLATION BEYOND TESTED SIZES IS PERMITTED.



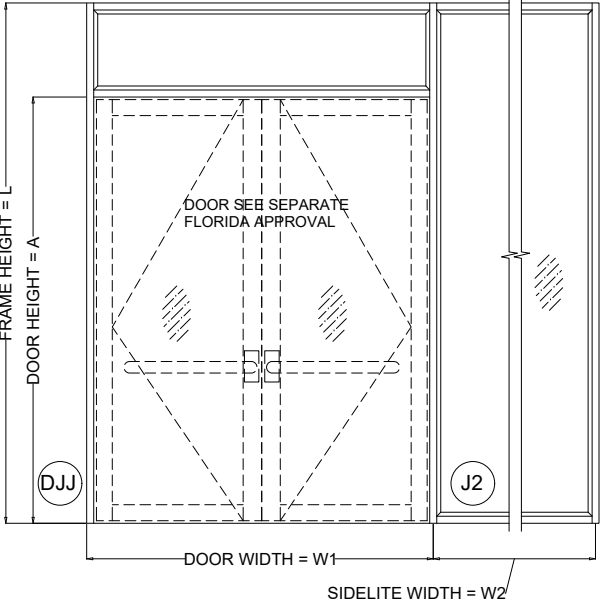
DJJ

DJJ	I _x (IN ⁴)	S _x (IN ³)
ALUM.	15.781	3.805
STEEL	2.250	1.500
TOTAL (IN ALUM.)	22.306	-

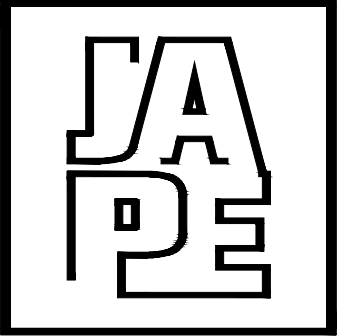


JAMB 'J2'

JA,J2	I _x (IN ⁴)	S _x (IN ³)
ALUM.	16.408	3.956
STEEL	2.250	1.500
TOTAL (IN ALUM.)	22.933	-



WIDTH (W) AT JAMB = W1
WIDTH (W) AT MULLION = $\frac{W2+W3}{2}$

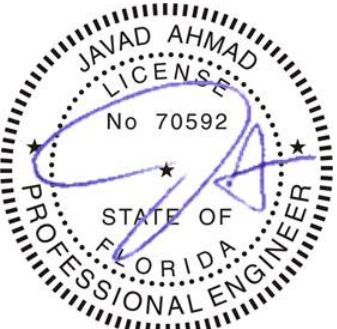


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REVISION			
No.	DATE	BY	DESCRIPTION
0			
date:		2/12/2026	
scale:		N/A	
drawn by:		M.S.	
check by:			
Drawing no.		JA-1144-25	
Eng: JAVAD AHMAD, PE CIVIL FLA. PE # 70592 — C.A.N. 34254			



SEALED: 02/27/2026

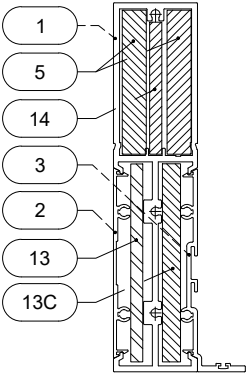
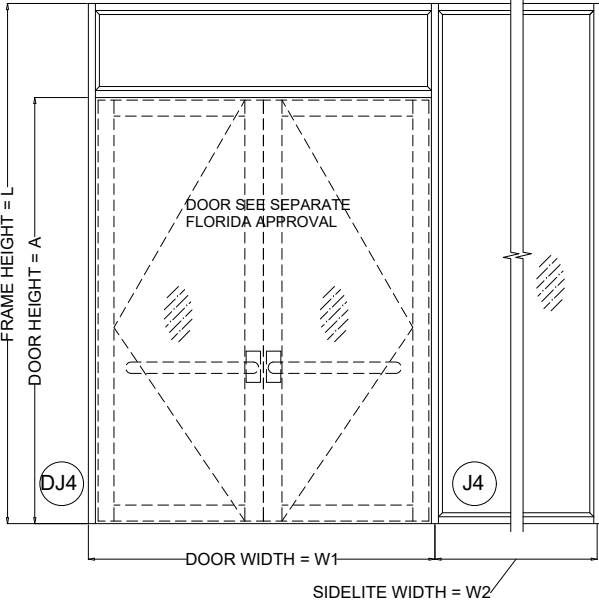
FL# 41728.1

"DOOR JAMB MULLION LOAD CAPACITY - PSF (DJ4/ J4)"					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT	DOOR HEIGHT	DOOR WIDTH	SIDELITE WIDTH		
(L)	(A)	(W1)	(W2)		
IN	IN	IN	IN	EXT (+) PSF	INT (+) PSF
156	84	72	24	100.0	100.0
			36	100.0	100.0
			48	100.0	100.0
		84	24	100.0	100.0
			36	100.0	100.0
			48	100.0	100.0
		96	24	100.0	100.0
			36	100.0	100.0
			48	98.0	98.0
		108	24	100.0	100.0
			36	100.0	100.0
			48	91.1	91.1
	96	72	24	100.0	100.0
			36	100.0	100.0
			48	100.0	100.0
		84	24	100.0	100.0
			36	100.0	100.0
			48	100.0	100.0
		96	24	100.0	100.0
			36	100.0	100.0
			48	98.0	98.0
		108	24	100.0	100.0
			36	100.0	100.0
			48	91.1	91.1
	108	72	24	100.0	100.0
			36	100.0	100.0
			48	100.0	100.0
		84	24	100.0	100.0
			36	100.0	100.0
			48	100.0	100.0
		96	24	100.0	100.0
			36	100.0	100.0
			48	98.0	98.0
		108	24	100.0	100.0
			36	100.0	100.0
			48	91.1	91.1
	120	72	24	100.0	100.0
			36	100.0	100.0
			48	100.0	100.0
		84	24	100.0	100.0
			36	100.0	100.0
			48	100.0	100.0
		96	24	100.0	100.0
			36	100.0	100.0
			48	98.0	98.0
		108	24	100.0	100.0
			36	100.0	100.0
			48	91.1	91.1

NOTE: NO EXTRAPOLATION BEYOND TESTED SIZES IS PERMITTED.

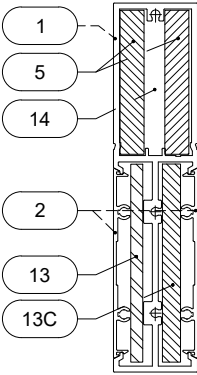
FL# 41728.1

"DOOR JAMB MULLION LOAD CAPACITY - PSF (DJ4/ J4)"					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT	DOOR HEIGHT	DOOR WIDTH	SIDELITE WIDTH		
(L)	(A)	(W1)	(W2)		
IN	IN	IN	IN	EXT (+) PSF	INT (+) PSF
168	84	72	24	100.0	100.0
			36	100.0	100.0
			48	92.3	92.3
		84	24	100.0	100.0
			36	95.1	95.1
			48	84.8	84.8
		96	24	98.0	98.0
			36	87.1	87.1
			48	78.4	78.4
		108	24	89.6	89.6
			36	80.4	80.4
			48	73.0	73.0
	96	72	24	100.0	100.0
			36	100.0	100.0
			48	92.3	92.3
		84	24	100.0	100.0
			36	95.1	95.1
			48	84.8	84.8
		96	24	98.0	98.0
			36	87.1	87.1
			48	78.4	78.4
		108	24	89.6	89.6
			36	80.4	80.4
			48	73.0	73.0
	108	72	24	100.0	100.0
			36	100.0	100.0
			48	92.3	92.3
		84	24	100.0	100.0
			36	95.1	95.1
			48	84.8	84.8
		96	24	98.0	98.0
			36	87.1	87.1
			48	78.4	78.4
		108	24	89.6	89.6
			36	80.4	80.4
			48	73.0	73.0
	120	72	24	100.0	100.0
			36	100.0	100.0
			48	92.3	92.3
		84	24	100.0	100.0
			36	95.1	95.1
			48	84.8	84.8
		96	24	98.0	98.0
			36	87.1	87.1
			48	78.4	78.4
		108	24	89.6	89.6
			36	80.4	80.4
			48	73.0	73.0



JAMB 'J4'

JA,J2	I _x (IN ⁴)	S _x (IN ³)
ALUM.	16.408	3.956
STEEL	6.339	3.588
TOTAL (IN ALUM.)	34.791	-



DJ4

DJJ	I _x (IN ⁴)	S _x (IN ³)
ALUM.	15.781	3.805
STEEL	2.250	1.500
TOTAL (IN ALUM.)	22.306	-

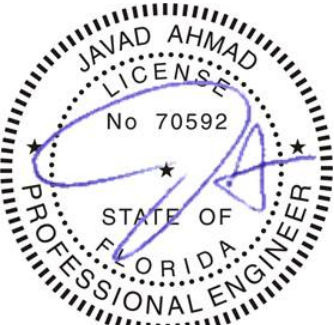


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CLIENT :			
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REVISION			
No.	DATE	BY	DESCRIPTION
0			
date:		2/12/2026	
scale:		N/A	
drawn by:		M.S.	
check by:			
Drawing no.		JA-1144-25	
Eng: JAVAD AHMAD, PE CIVIL FLA. PE # 70592 — C.A.N. 34254			



SEALED: 02/27/2026

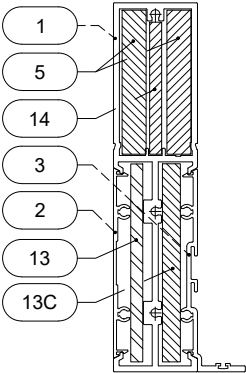
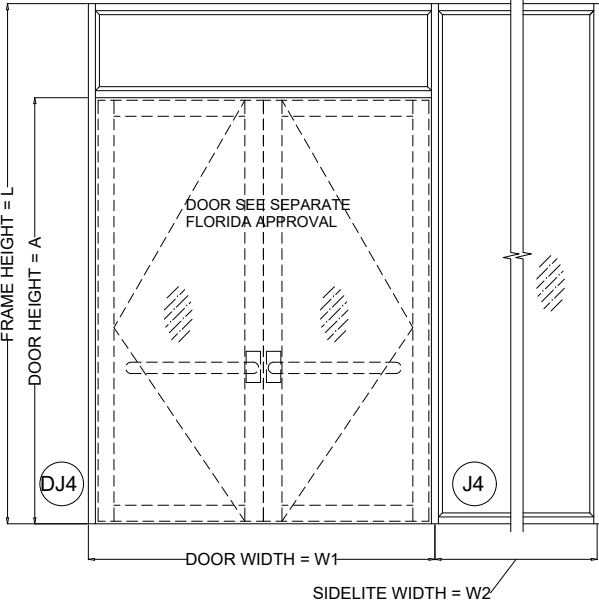
DOOR MULL TABLES	SHEET No. 6B OF 13
------------------	-----------------------

"DOOR JAMB MULLION LOAD CAPACITY - PSF (DJ4/ J4)"					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT	DOOR HEIGHT	DOOR WIDTH	SIDELITE WIDTH		
(L)	(A)	(W1)	(W2)		
IN	IN	IN	IN	EXT (+) PSF	INT (+) PSF
180	96	72	24	98.1	98.1
			36	85.0	85.0
			48	75.0	75.0
		84	24	84.0	84.0
			36	77.3	77.3
			48	68.9	68.9
		96	24	79.7	79.7
			36	70.8	70.8
			48	63.8	63.8
		108	24	72.9	72.9
			36	65.4	65.4
			48	59.3	59.3
	108	72	24	98.1	98.1
			36	85.0	85.0
			48	75.0	75.0
		84	24	84.0	84.0
			36	77.3	77.3
			48	68.9	68.9
		96	24	79.7	79.7
			36	70.8	70.8
			48	63.8	63.8
		108	24	72.9	72.9
			36	65.4	65.4
			48	59.3	59.3
	120	72	24	98.1	98.1
			36	85.0	85.0
			48	75.0	75.0
		84	24	84.0	84.0
			36	77.3	77.3
			48	68.9	68.9
		96	24	79.7	79.7
			36	70.8	70.8
			48	63.8	63.8
		108	24	72.9	72.9
			36	65.4	65.4
			48	59.3	59.3

NOTE: NO EXTRAPOLATION BEYOND TESTED SIZES IS PERMITTED.

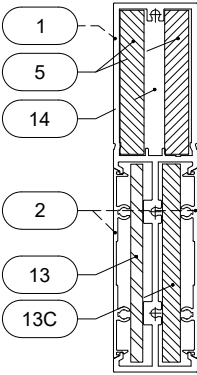
FL# 41728.1

"DOOR JAMB MULLION LOAD CAPACITY - PSF (DJ4/ J4)"					
WINDOW PANEL DIMENSION				DESIGN LOAD	
FRAME HEIGHT	DOOR HEIGHT	DOOR WIDTH	SIDELITE WIDTH		
(L)	(A)	(W1)	(W2)		
IN	IN	IN	IN	EXT (+) PSF	INT (+) PSF
192	96	72	24	80.8	80.8
			36	70.1	70.1
			48	61.8	61.8
		84	24	72.5	72.5
			36	63.7	63.7
			48	56.8	56.8
		96	24	65.7	65.7
			36	58.4	58.4
			48	52.5	52.5
		108	24	60.0	60.0
			36	55.0	55.0
			48	55.0	55.0
	108	72	24	80.8	80.8
			36	70.1	70.1
			48	61.8	61.8
		84	24	72.5	72.5
			36	63.7	63.7
			48	56.8	56.8
		96	24	65.7	65.7
			36	58.4	58.4
			48	52.5	52.5
		108	24	60.0	60.0
			36	55.0	55.0
			48	55.0	55.0
	120	72	24	80.8	80.8
			36	70.1	70.1
			48	61.8	61.8
		84	24	72.5	72.5
			36	63.7	63.7
			48	56.8	56.8
		96	24	65.7	65.7
			36	58.4	58.4
			48	52.5	52.5
		108	24	60.0	60.0
			36	55.0	55.0
			48	55.0	55.0



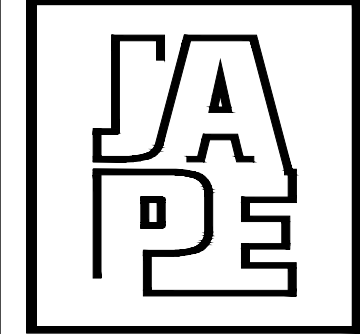
JAMB 'J4'

JA,J2	I _x (IN ⁴)	S _x (IN ³)
ALUM.	16.408	3.956
STEEL	6.339	3.588
TOTAL (IN ALUM.)	34.791	-



DJ4

DJJ	I _x (IN ⁴)	S _x (IN ³)
ALUM.	15.781	3.805
STEEL	2.250	1.500
TOTAL (IN ALUM.)	22.306	-



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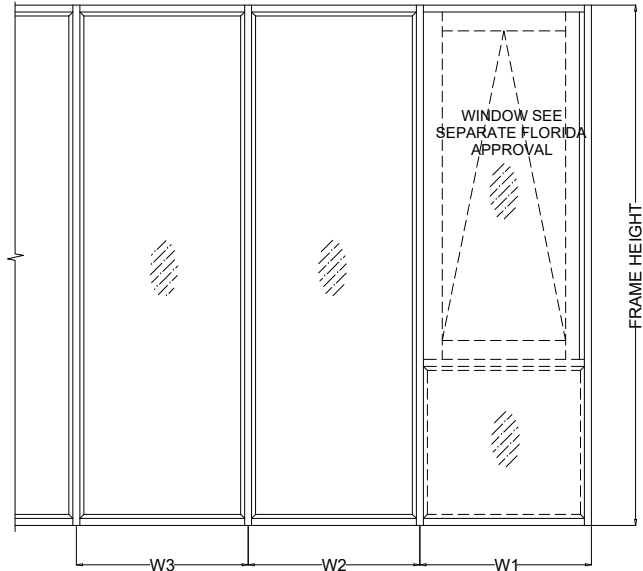
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REVISION			
No.	DATE	BY	DESCRIPTION
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date:		2/12/2026	
scale:		N/A	
drawn by:		M.S.	
check by:			
Drawing no.		JA-1144-25	
Eng: JAVAD AHMAD, PE CIVIL FLA. PE # 70592 — C.A.N. 34254			

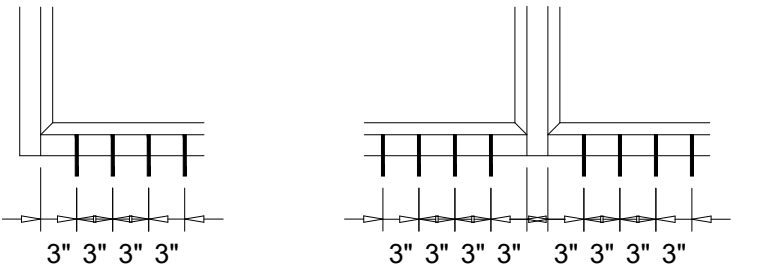


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ANCHOR LOAD CAPACITY-PSF							
EXT.(+) & INT. (-)							
NOMINAL DIMENSIONS		ANCHOR TYPE A		ANCHOR TYPE AA		ANCHOR TYPE B	
FRAME HEIGHT (IN)	FRAME WIDTH W - (IN)	A4	A5	AA4	AA5	B4	B5
84	30	117.0	117.0	109.7	117.0	117.0	117.0
	36	117.0	117.0	91.4	114.3	117.0	117.0
	42	117.0	117.0	78.4	98.0	117.0	117.0
	48	117.0	117.0	68.6	85.7	117.0	117.0
	54	117.0	117.0	61.0	76.2	117.0	117.0
	60	117.0	117.0	54.9	68.6	117.0	117.0
90	30	117.0	117.0	102.4	117.0	117.0	117.0
	36	117.0	117.0	85.3	106.7	117.0	117.0
	42	117.0	117.0	73.1	91.4	117.0	117.0
	48	117.0	117.0	64.0	80.0	117.0	117.0
	54	117.0	117.0	56.9	71.1	117.0	117.0
	60	115.7	117.0	51.2	64.0	109.2	117.0
96	30	117.0	117.0	96.0	117.0	117.0	117.0
	36	117.0	117.0	80.0	100.0	117.0	117.0
	42	117.0	117.0	68.6	85.7	117.0	117.0
	48	117.0	117.0	60.0	75.0	117.0	117.0
	54	117.0	117.0	53.3	66.7	113.8	117.0
	60	108.5	117.0	48.0	60.0	102.4	117.0
102	30	117.0	117.0	90.4	112.9	117.0	117.0
	36	117.0	117.0	75.3	94.1	117.0	117.0
	42	117.0	117.0	64.5	80.7	117.0	117.0
	48	117.0	117.0	56.5	70.6	117.0	117.0
	54	113.5	117.0	50.2	62.7	107.1	117.0
	60	102.1	117.0	45.2	56.5	96.4	117.0
108	30	117.0	117.0	85.3	106.7	117.0	117.0
	36	117.0	117.0	71.1	88.9	117.0	117.0
	42	117.0	117.0	61.0	76.2	117.0	117.0
	48	117.0	117.0	53.3	66.7	113.8	117.0
	54	107.2	117.0	47.4	59.3	101.1	117.0
	60	96.4	117.0	42.7	53.3	91.0	113.8
114	30	117.0	117.0	80.8	101.1	117.0	117.0
	36	117.0	117.0	67.4	84.2	117.0	117.0
	42	117.0	117.0	57.7	72.2	117.0	117.0
	48	114.2	117.0	50.5	63.2	107.8	117.0
	54	101.5	117.0	44.9	56.1	95.8	117.0
	60	91.4	114.2	40.4	50.5	86.2	107.8
120	30	117.0	117.0	76.8	96.0	117.0	117.0
	36	117.0	117.0	64.0	80.0	117.0	117.0
	42	117.0	117.0	54.9	68.6	117.0	117.0
	48	108.5	117.0	48.0	60.0	102.4	117.0
	54	96.4	117.0	42.7	53.3	91.0	113.8

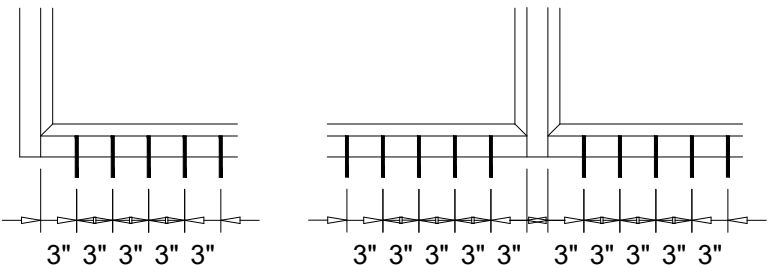


WIDTH (W) AT JAMB = W1
WIDTH (W) AT MULLION = $\frac{W2+W3}{2}$



A4 OR AA4 OR B4

A4 OR AA4 OR B4

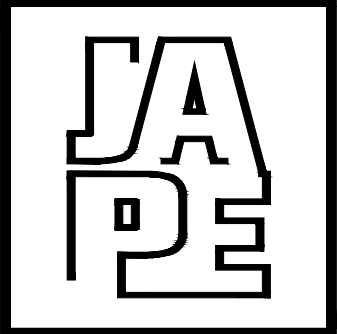


A5 OR AA5 OR B5

A5 OR AA5 OR B5

ANCHOR THRU FRAME

NOTE: NO EXTRAPOLATION BEYOND TESTED SIZES IS PERMITTED.



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ENV-750 ALUMINUM WINDOW
WALL SYSTEM (L.M.I.)

CLIENT :

ENVIRALUM IND. INC.

5100 NW 72 AVE. UNIT C MIAMI, FL 33166
PHONE: 305.752.4411
FAX: 305.406.3877

REVISION

No.	DATE	BY	DESCRIPTION
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date: 2/12/2026

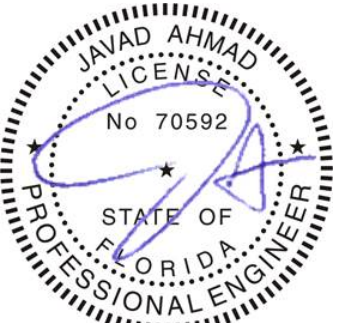
scale: N/A

drawn by: M.S.

check by:

Drawing no. JA-1144-25

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 – C.A.N. 34254



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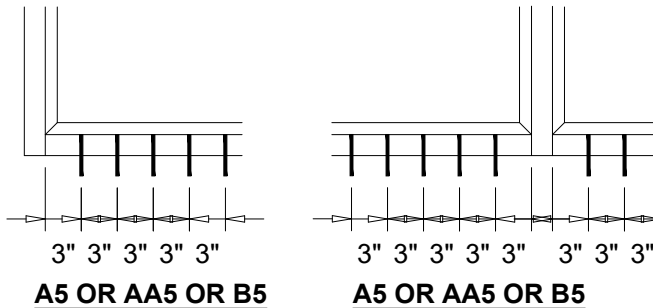
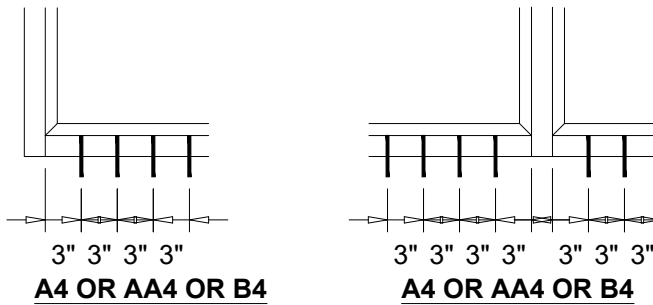
ANCHOR TABLES

SHEET No.
7A OF 13

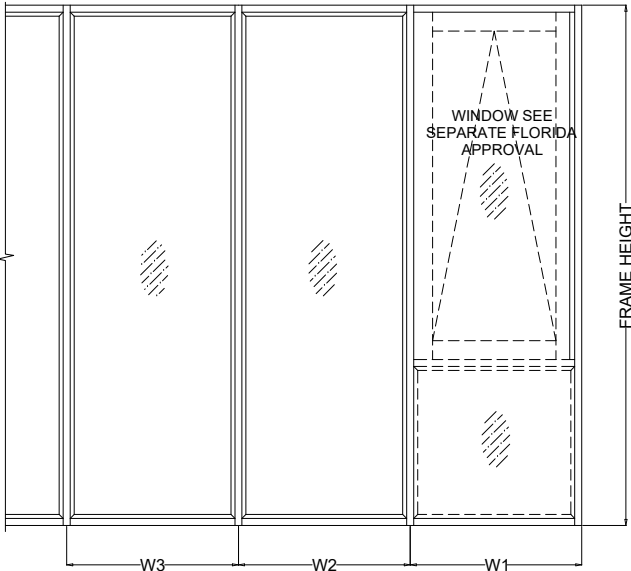
FL# 41728.1

ANCHOR LOAD CAPACITY-PSF							
EXT.(+) & INT. (-)							
NOMINAL DIMENSIONS		ANCHOR TYPE A		ANCHOR TYPE AA		ANCHOR TYPE B	
FRAME HEIGHT (IN)	FRAME WIDTH W - (IN)	A4	A5	AA4	AA5	B4	B5
120	30	117.0	117.0	76.8	96.0	117.0	117.0
	36	117.0	117.0	64.0	80.0	117.0	117.0
	42	117.0	117.0	54.9	68.6	117.0	117.0
	48	108.5	117.0	48.0	60.0	102.4	117.0
	54	96.4	117.0	42.7	53.3	91.0	113.8
126	30	117.0	117.0	73.1	91.4	117.0	117.0
	36	117.0	117.0	61.0	76.2	117.0	117.0
	42	117.0	117.0	52.2	65.3	111.5	117.0
	48	103.3	117.0	45.7	57.1	97.5	117.0
	54	91.9	114.8	40.6	50.8	86.7	108.4
132	30	117.0	117.0	69.8	87.3	117.0	117.0
	36	117.0	117.0	58.2	72.7	117.0	117.0
	42	112.7	117.0	49.9	62.3	106.4	117.0
	48	98.6	117.0	43.6	54.5	93.1	116.4
138	30	117.0	117.0	66.8	83.5	117.0	117.0
	36	117.0	117.0	55.7	69.6	117.0	117.0
	42	107.8	117.0	47.7	59.6	101.8	117.0
	48	94.4	117.0	41.7	52.2	89.0	111.3
144	30	117.0	117.0	64.0	80.0	117.0	117.0
	36	117.0	117.0	53.3	66.7	113.8	117.0
	42	103.3	117.0	45.7	57.1	97.5	117.0
	48	90.4	113.0	40.0	50.0	85.3	106.7
150	30	117.0	117.0	61.4	76.8	117.0	117.0
	36	115.7	117.0	51.2	64.0	109.2	117.0
	42	99.2	117.0	43.9	54.9	93.6	117.0
	48	86.8	108.5	38.4	48.0	81.9	102.4
156	30	117.0	117.0	59.1	73.8	117.0	117.0
	36	111.3	117.0	49.2	61.5	105.0	117.0
	42	95.4	117.0	42.2	52.7	90.0	112.5
	48	83.5	104.3	36.9	46.2	78.8	98.5
162	30	117.0	117.0	56.9	71.1	117.0	117.0
	36	107.2	117.0	47.4	59.3	101.1	117.0
	42	91.9	114.8	40.6	50.8	86.7	108.4
	48	80.4	100.5	35.6	44.4	75.9	94.8
168	30	117.0	117.0	54.9	68.6	117.0	117.0
	36	103.3	117.0	45.7	57.1	97.5	117.0
	42	88.6	110.7	39.2	49.0	83.6	104.5
	48	77.5	96.9	34.3	42.9	73.1	91.4
174	30	117.0	117.0	53.0	66.2	113.0	117.0
	36	99.8	117.0	44.1	55.2	94.2	117.0
	42	85.5	106.9	37.8	47.3	80.7	100.9
	48	74.8	93.5	33.1	41.4	70.6	88.3

ANCHOR LOAD CAPACITY-PSF							
EXT.(+) & INT. (-)							
NOMINAL DIMENSIONS		ANCHOR TYPE A		ANCHOR TYPE AA		ANCHOR TYPE B	
FRAME HEIGHT (IN)	FRAME WIDTH W - (IN)	A4	A5	AA4	AA5	B4	B5
174	30	117.0	117.0	53.0	66.2	113.0	117.0
	36	99.8	117.0	44.1	55.2	94.2	117.0
	42	85.5	106.9	37.8	47.3	80.7	100.9
	48	74.8	93.5	33.1	41.4	70.6	88.3
180	30	115.7	117.0	51.2	64.0	109.2	117.0
	36	96.4	117.0	42.7	53.3	91.0	113.8
	42	82.7	103.3	36.6	45.7	78.0	97.5
	48	72.3	90.4	32.0	40.0	68.3	85.3
186	30	112.0	117.0	49.5	61.9	105.7	117.0
	36	93.3	116.7	41.3	51.6	88.1	110.1
	42	80.0	100.0	35.4	44.2	75.5	94.4
	48	70.0	87.5	31.0	38.7	66.1	82.6
192	30	108.5	117.0	48.0	60.0	102.4	117.0
	36	90.4	113.0	40.0	50.0	85.3	106.7
	42	77.5	96.9	34.3	42.9	73.1	91.4
	48	67.8	84.8	30.0	37.5	64.0	80.0

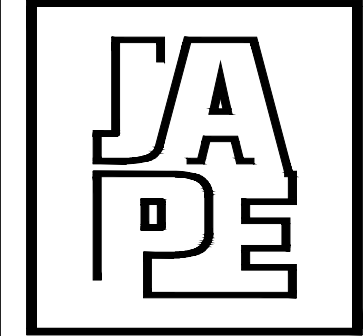


ANCHOR THRU FRAME



WIDTH (W) AT JAMB = W1
WIDTH (W) AT MULLION = $\frac{W2+W3}{2}$

NOTE: NO EXTRAPOLATION BEYOND TESTED SIZES IS PERMITTED.



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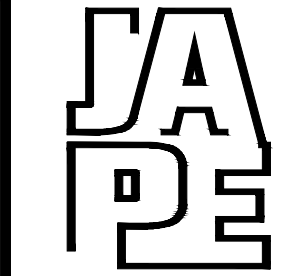
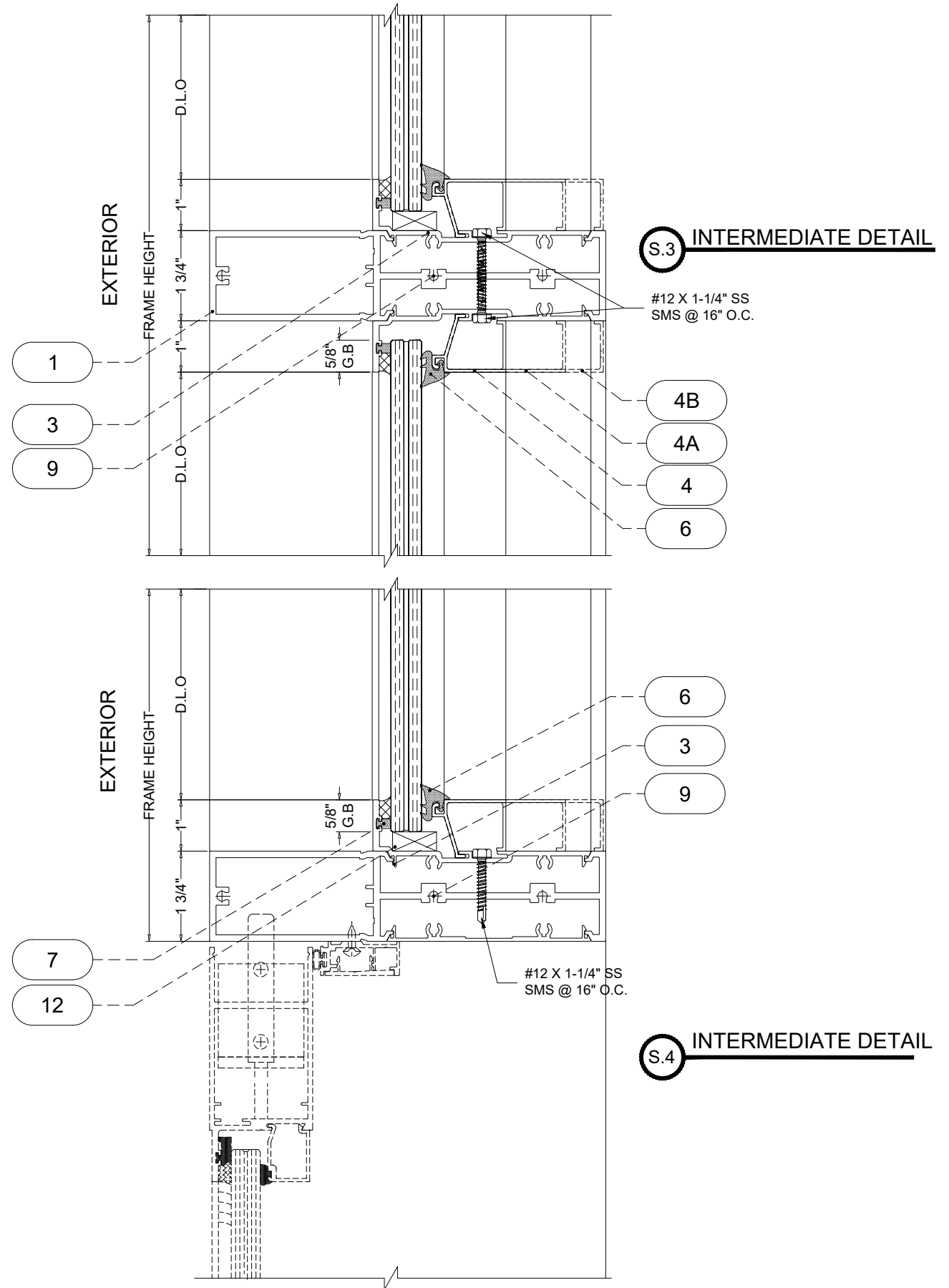
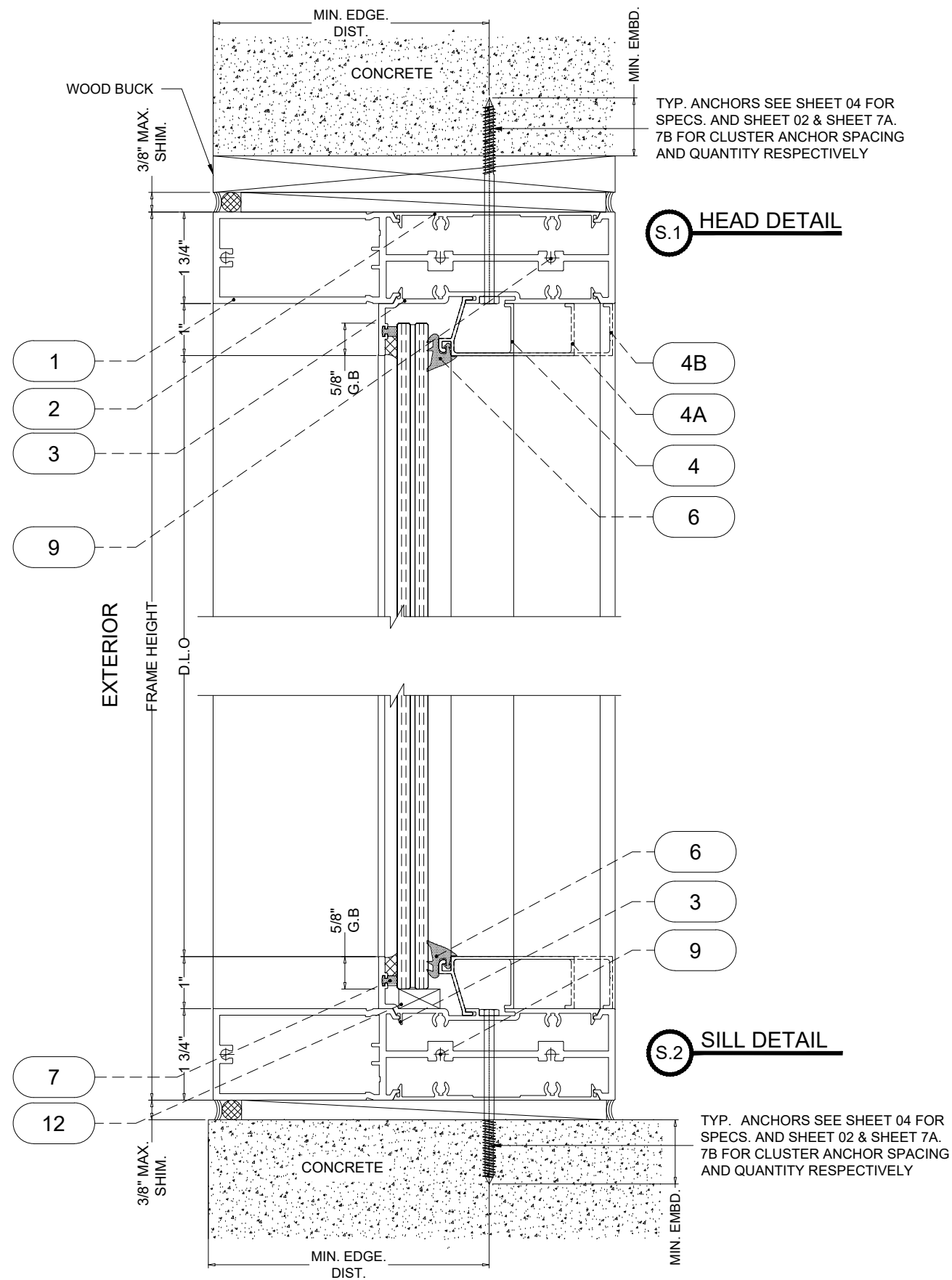
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CLIENT :			
ENVIRALUM IND. INC.			
5100 NW 72 AVE.UNIT C MIAMI, FL 33166 PHONE: 305.752.4411 FAX: 305.406.3877			
REVISION			
No.	DATE	BY	DESCRIPTION
0			
date:		2/12/2026	
scale:		N/A	
drawn by:		M.S.	
check by:			
Drawing no.		JA-1144-25	
Eng: JAVAD AHMAD, PE CIVIL FLA. PE # 70592 – C.A.N. 34254			



SEALED: 02/27/2026	ANCHOR TABLES	SHEET No. 7B OF 13
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ENVIRALUM IND. INC.

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date: 2/12/2026

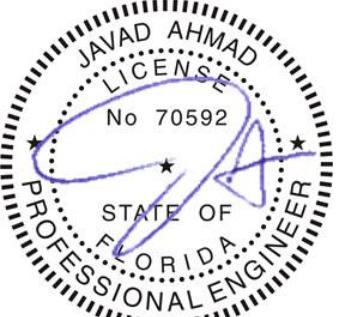
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drawn by: M.S.

check by:

Drawing no. JA-1144-25

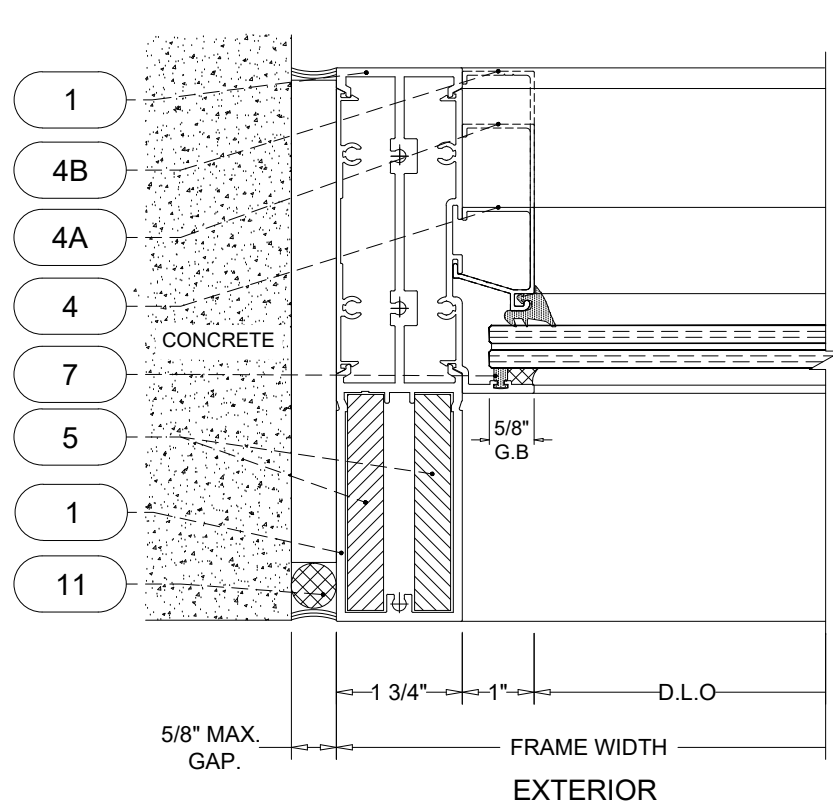
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N. 34254



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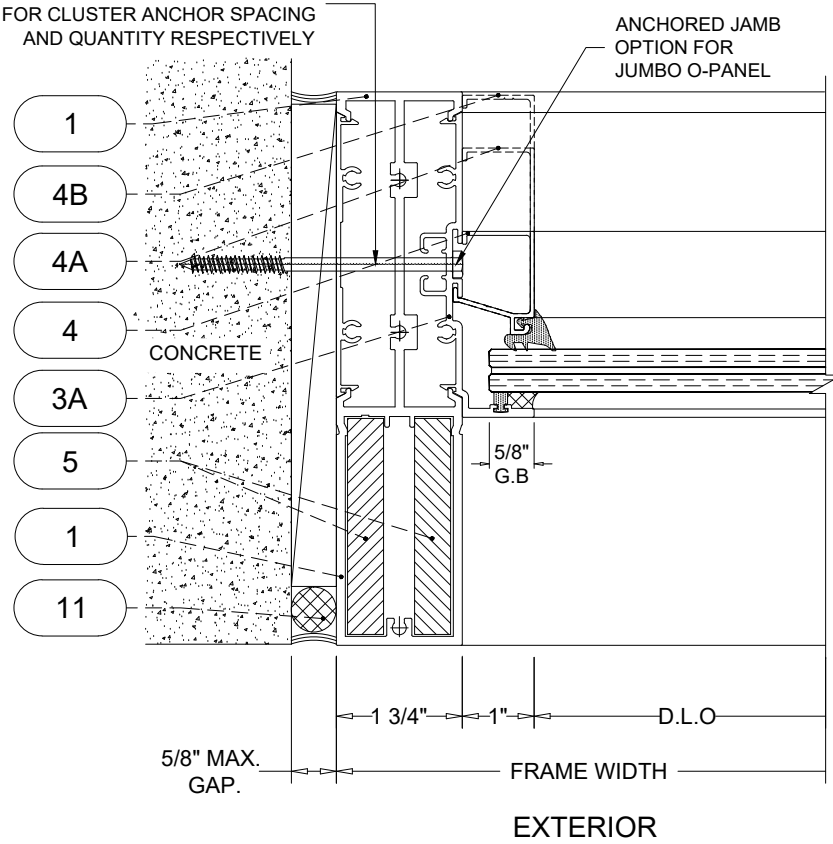
SEC. DETAILS SHEET No. 08 OF 13

FL# 41728.1

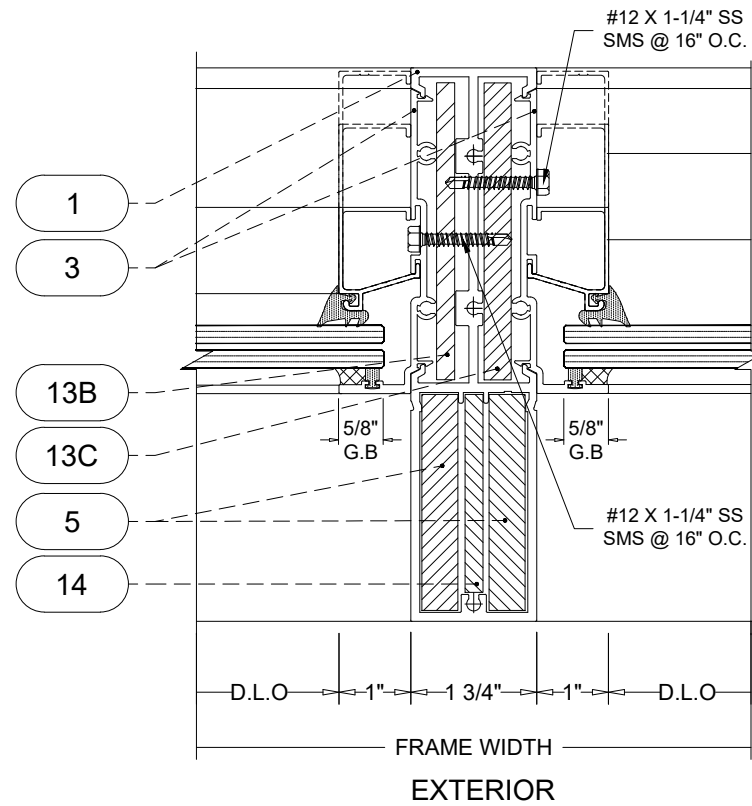


S.5 JAMB DETAIL

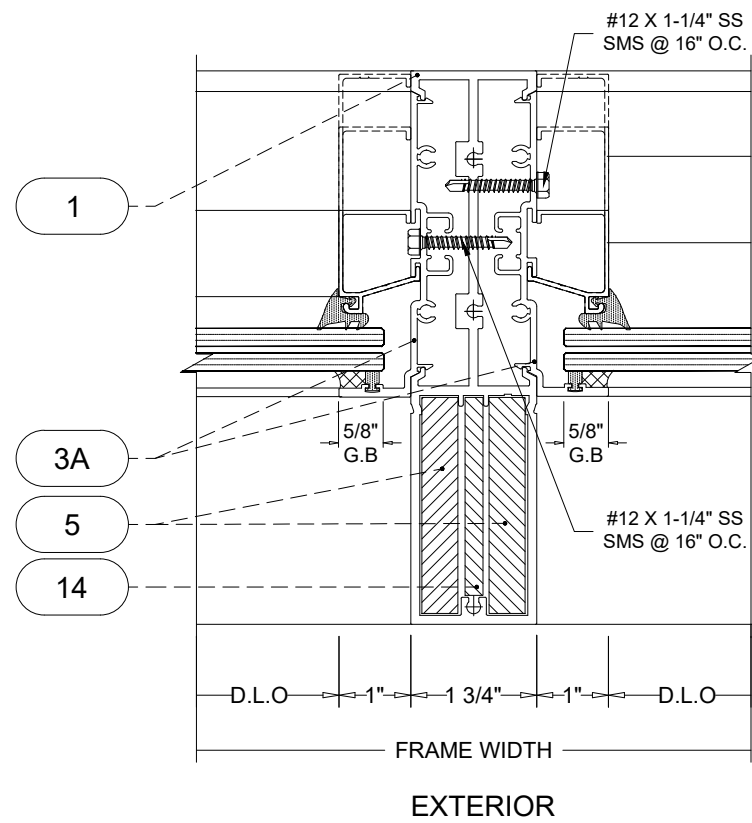
TYP. ANCHORS SEE SHEET 04 FOR SPECS. AND SHEET 02 & SHEET 7A. 7B FOR CLUSTER ANCHOR SPACING AND QUANTITY RESPECTIVELY



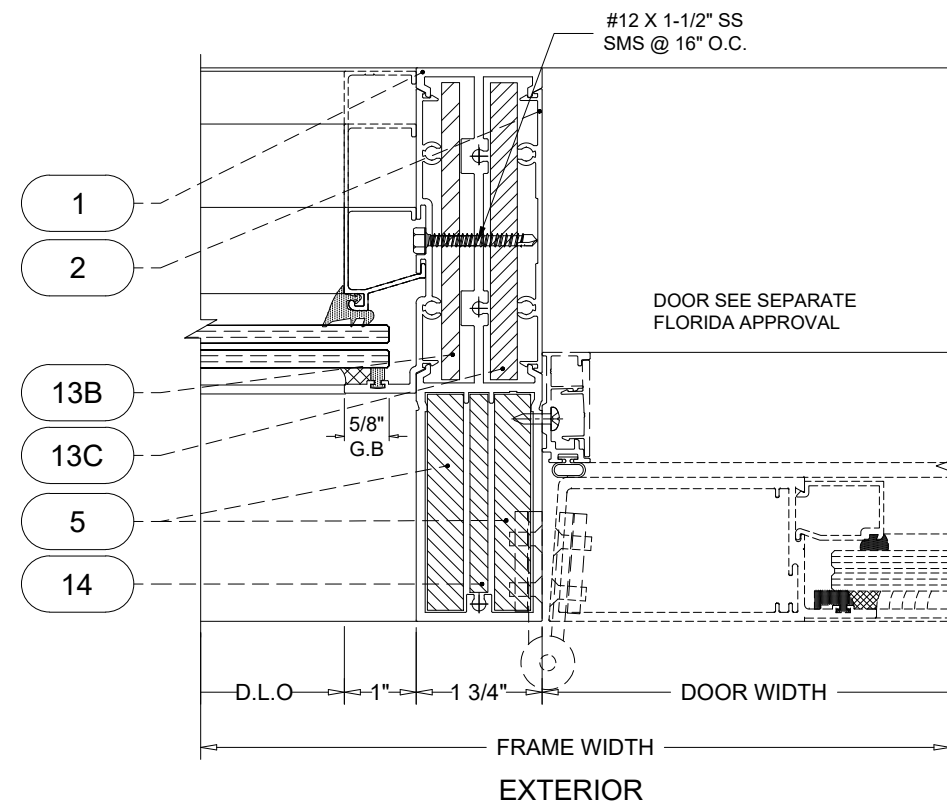
S.5 JAMB DETAIL (ALT.)



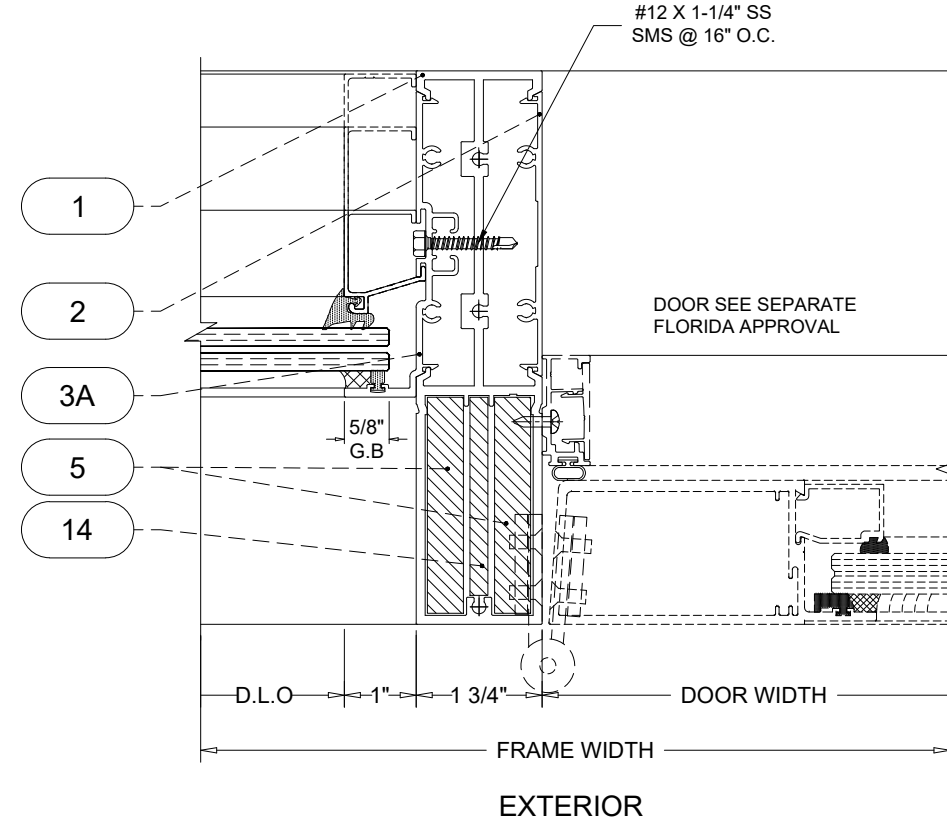
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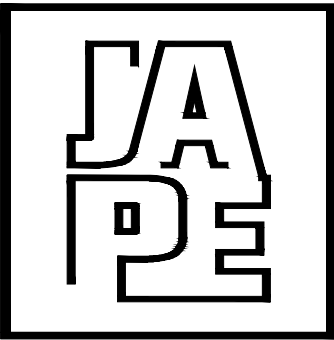
S.6 MULLION DETAIL (ALT.)



S.7 DOOR MULLION DETAIL



S.7 DOOR MULLION DETAIL (ALT.)



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ENV-750 ALUMINUM WINDOW WALL SYSTEM (L.M.I.)

CLIENT :

ENVIRALUM IND. INC.

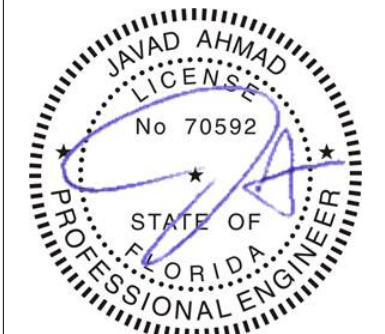
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No.	DATE	BY	DESCRIPTION
0			

date:	2/12/2026
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check by:	
Drawing no.	JA-1144-25

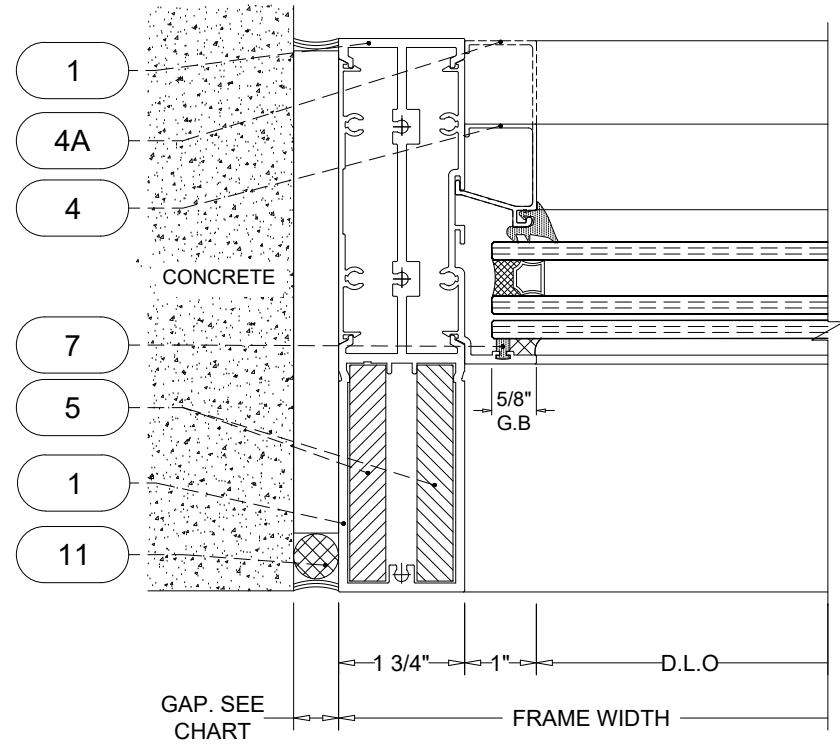
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 – C.A.N. 34254



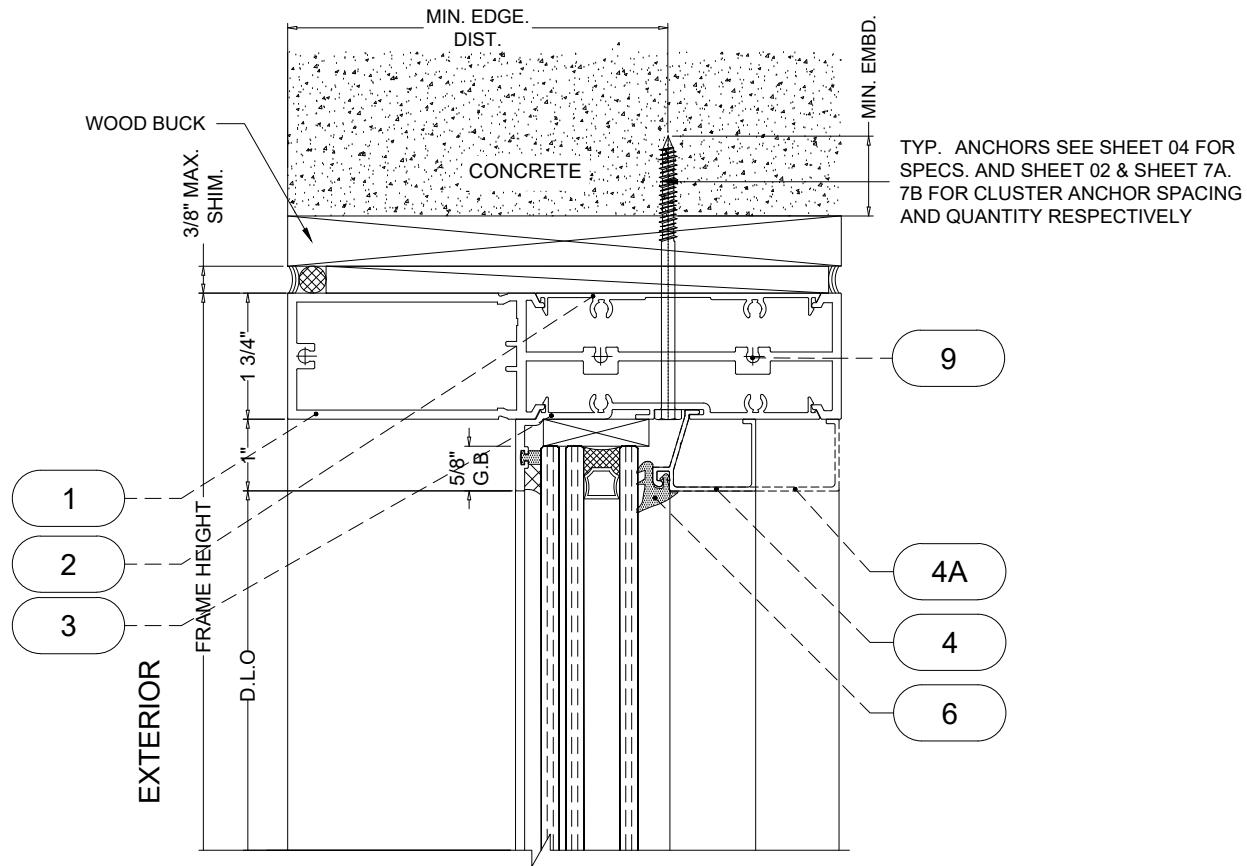
SEALED: 02/27/2026

SEC. DETAILS **SHEET No. 09 OF 13**

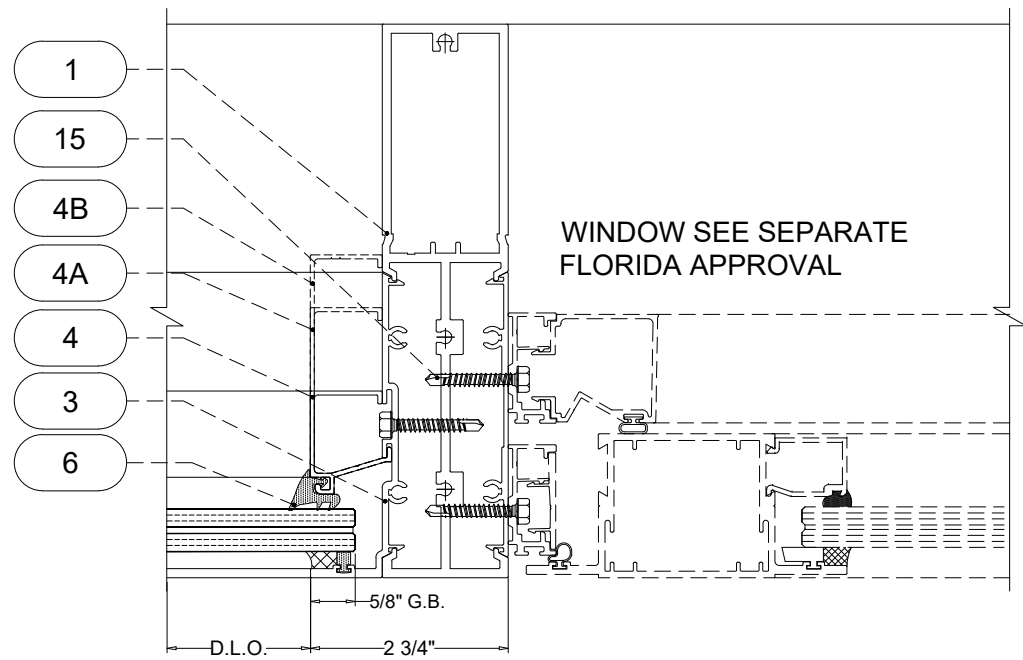
FL# 41728.1



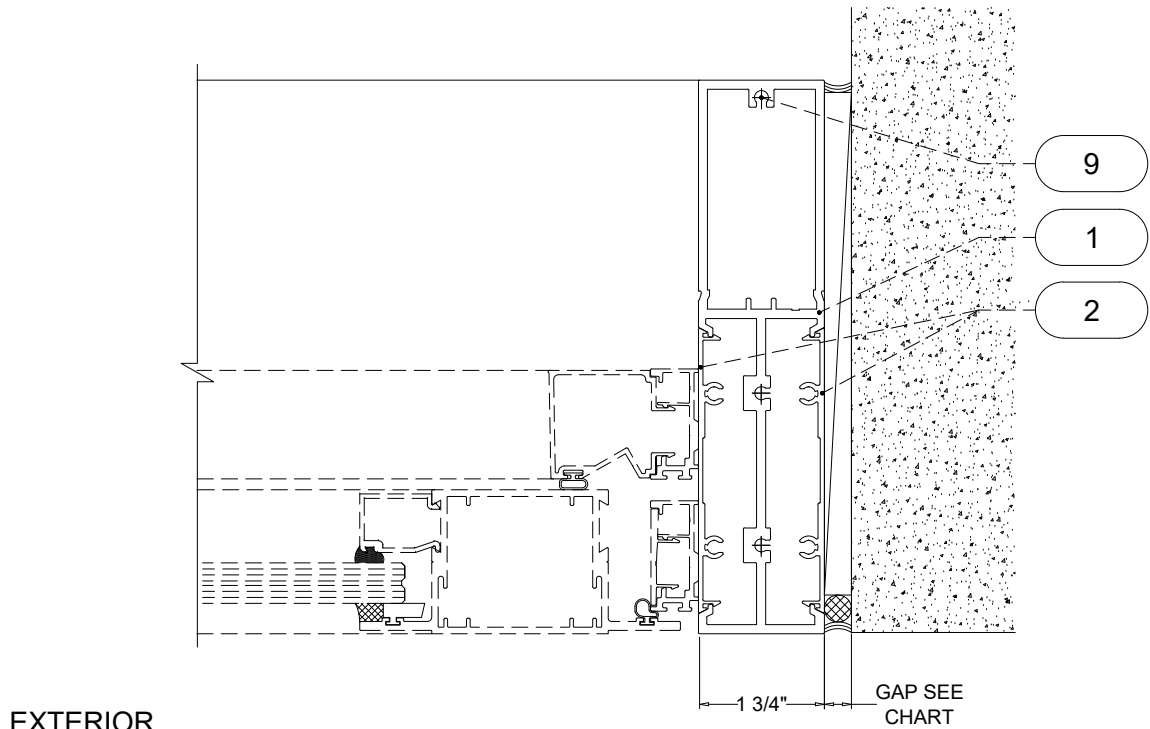
**S.8 JAMB DETAIL
(INSULATED)**



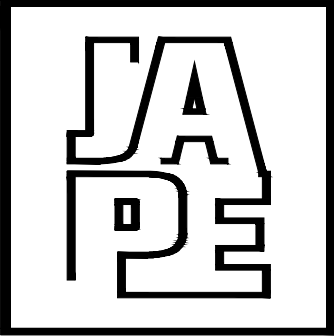
**S.9 HEAD DETAIL
(INSULATED)**



S.10 VERTICAL MULLION DETAIL



S.11 VERTICAL JAMB DETAIL



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PROJECT :

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CLIENT :

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No.	DATE	BY	DESCRIPTION
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date: 2/12/2026

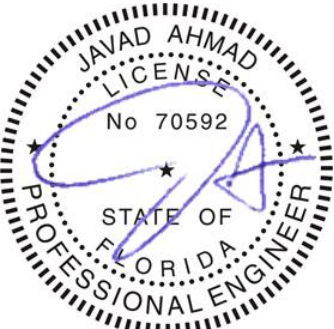
scale: N/A

drawn by: M.S.

check by:

Drawing no. JA-1144-25

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 – C.A.N. 34254

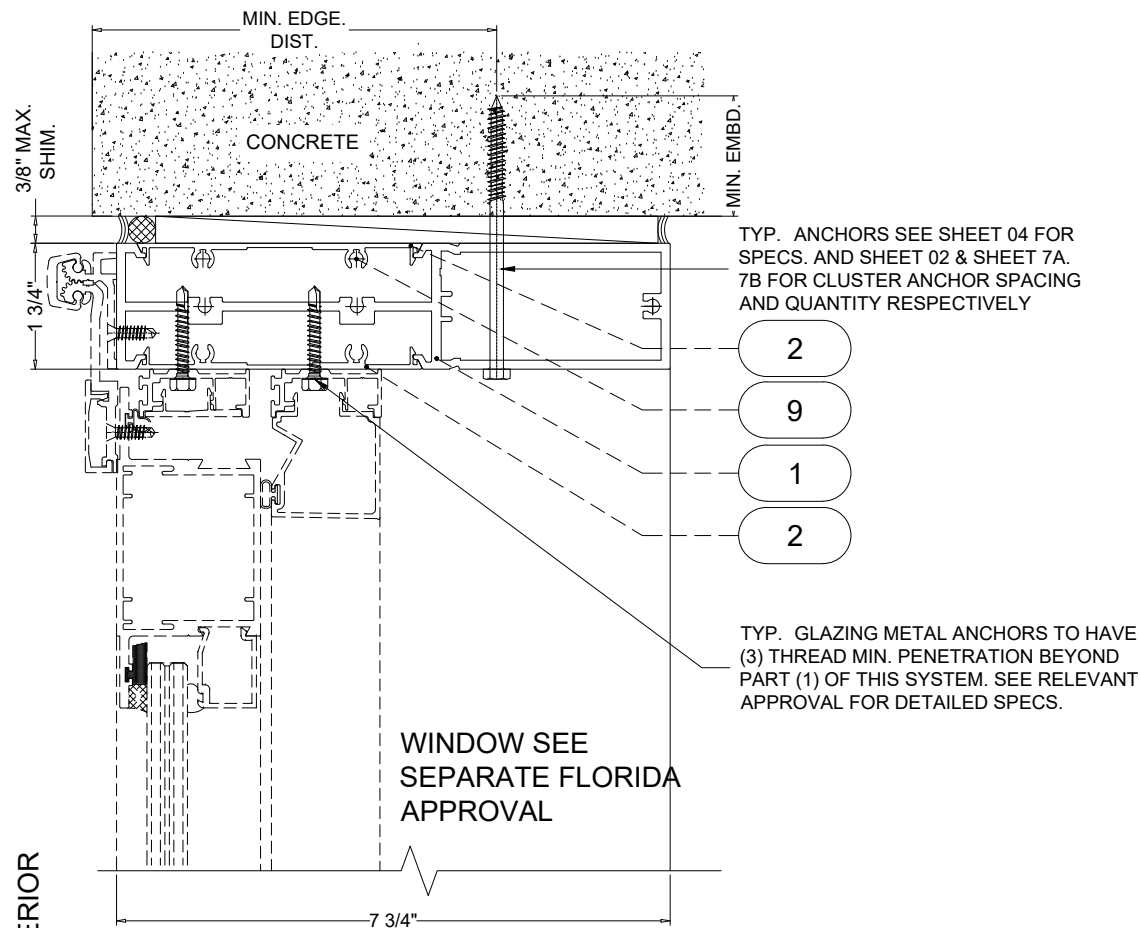


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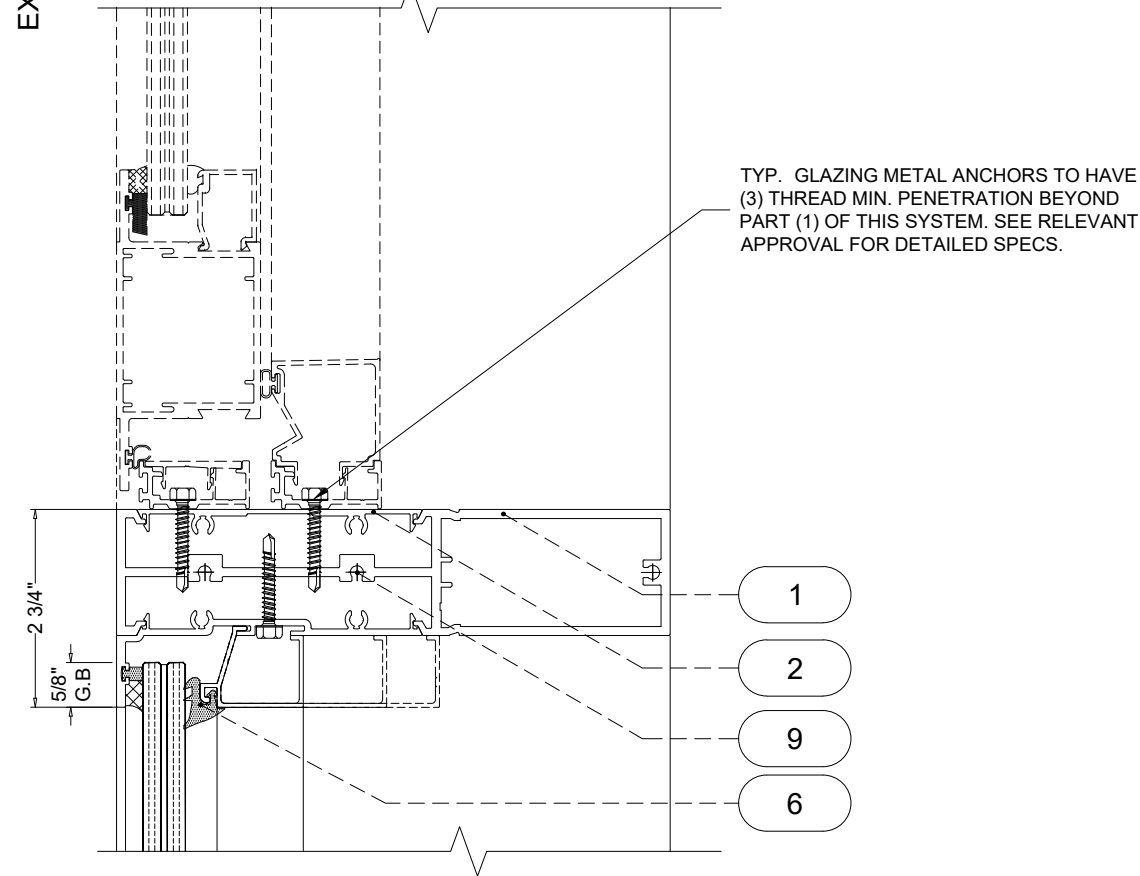
SEC. DETAILS **SHEET No. 10 OF 13**

FL# 41728.1

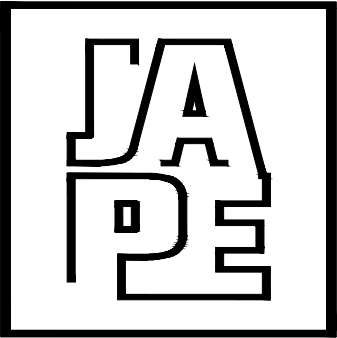
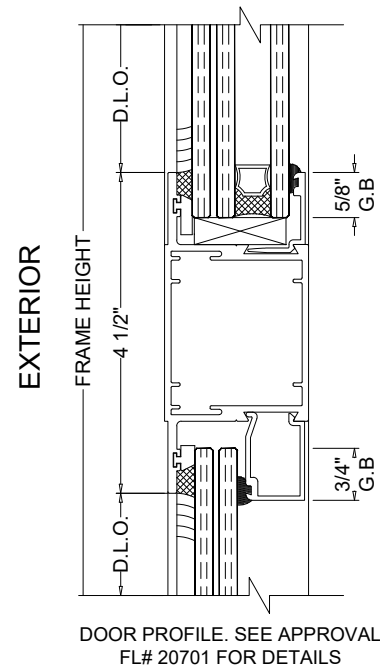
S.12 HEAD DETAIL



S.13 INTERMEDIATE DETAIL



S.14 HORIZONTAL DETAIL (DOOR)



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WALL SYSTEM (L.M.I.)

CLIENT :

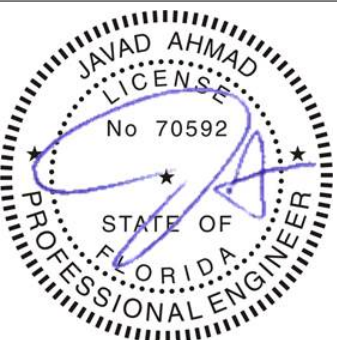
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0			
date:		2/12/2026	
scale:		N/A	
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check by:			
Drawing no.		JA-1144-25	

Eng: JAVAD AHMAD, PE
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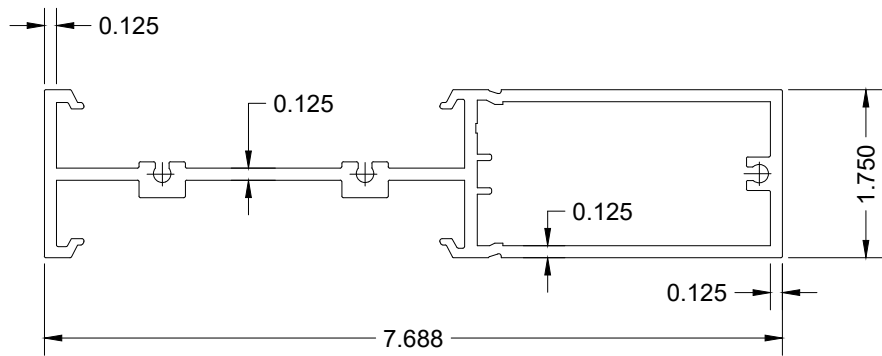


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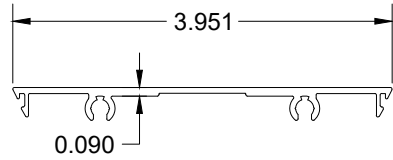
FL# 41728.1

SEC. DETAILS

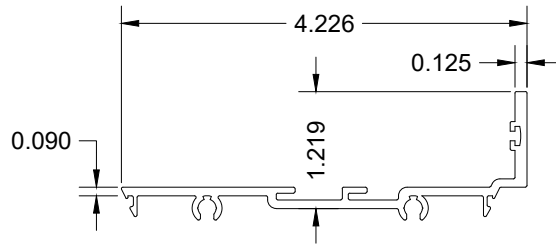
SHEET No.
11 OF 13



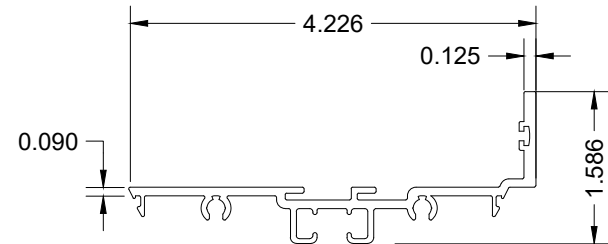
1 **MULLION**
ALUMN. 6063-T6



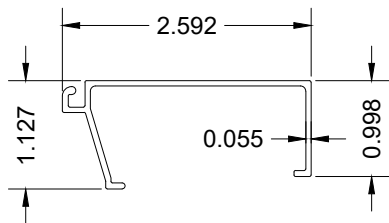
2 **FLAT SNAP**
ALUMN. 6063-T6



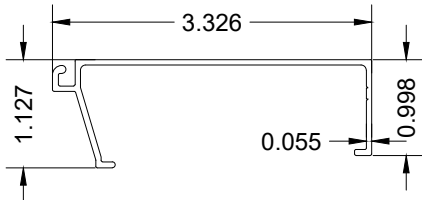
3 **FLAT SNAP**
ALUMN. 6063-T6



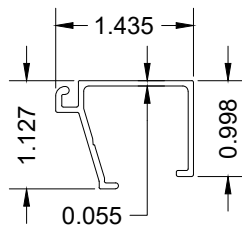
3A **FLAT SNAP**
ALUMN. 6063-T6



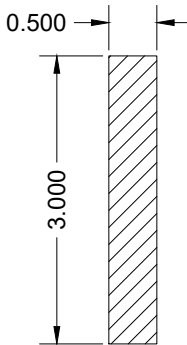
4A **GLASS STOP**
ALUMN. 6063-T6



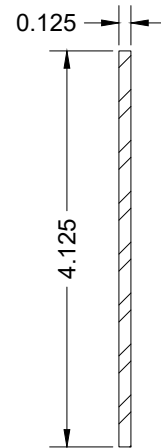
4B **GLASS STOP**
ALUMN. 6063-T6



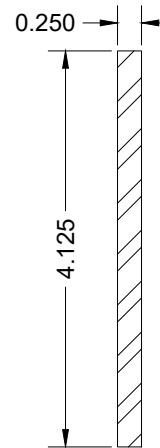
4 **GLASS STOP**
ALUMN. 6063-T6



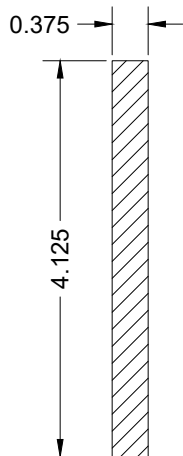
5 **STEEL BAR**
A36



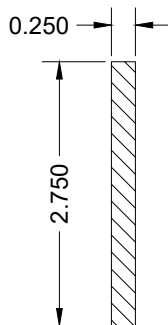
13A **STEEL BAR**
A36



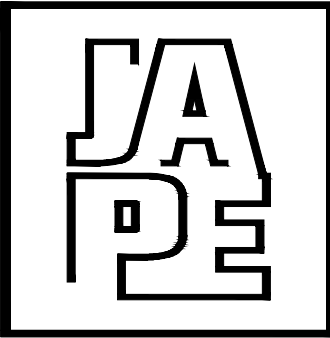
13B **STEEL BAR**
A36



13C **STEEL BAR**
A36



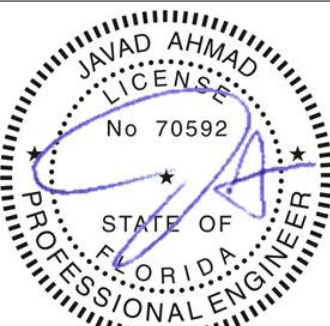
14 **STEEL BAR**
A36



JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com
CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :			
ENV-750 ALUMINUM WINDOW WALL SYSTEM (L.M.I.)			
CLIENT :			
ENVIRALUM IND. INC.			
5100 NW 72 AVE. UNIT C MIAMI, FL 33166 PHONE: 305.752.4411 FAX: 305.406.3877			
REVISION			
No.	DATE	BY	DESCRIPTION
0			
date:		2/12/2026	
scale:		N/A	
drawn by:		M.S.	
check by:			
Drawing no.		JA-1144-25	
Eng: JAVAD AHMAD, PE CIVIL FLA. PE # 70592 – C.A.N. 34254			



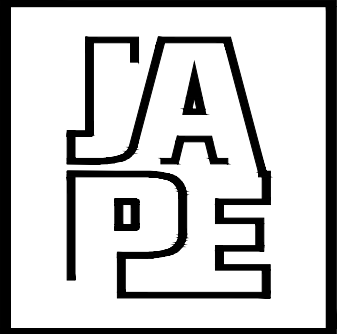
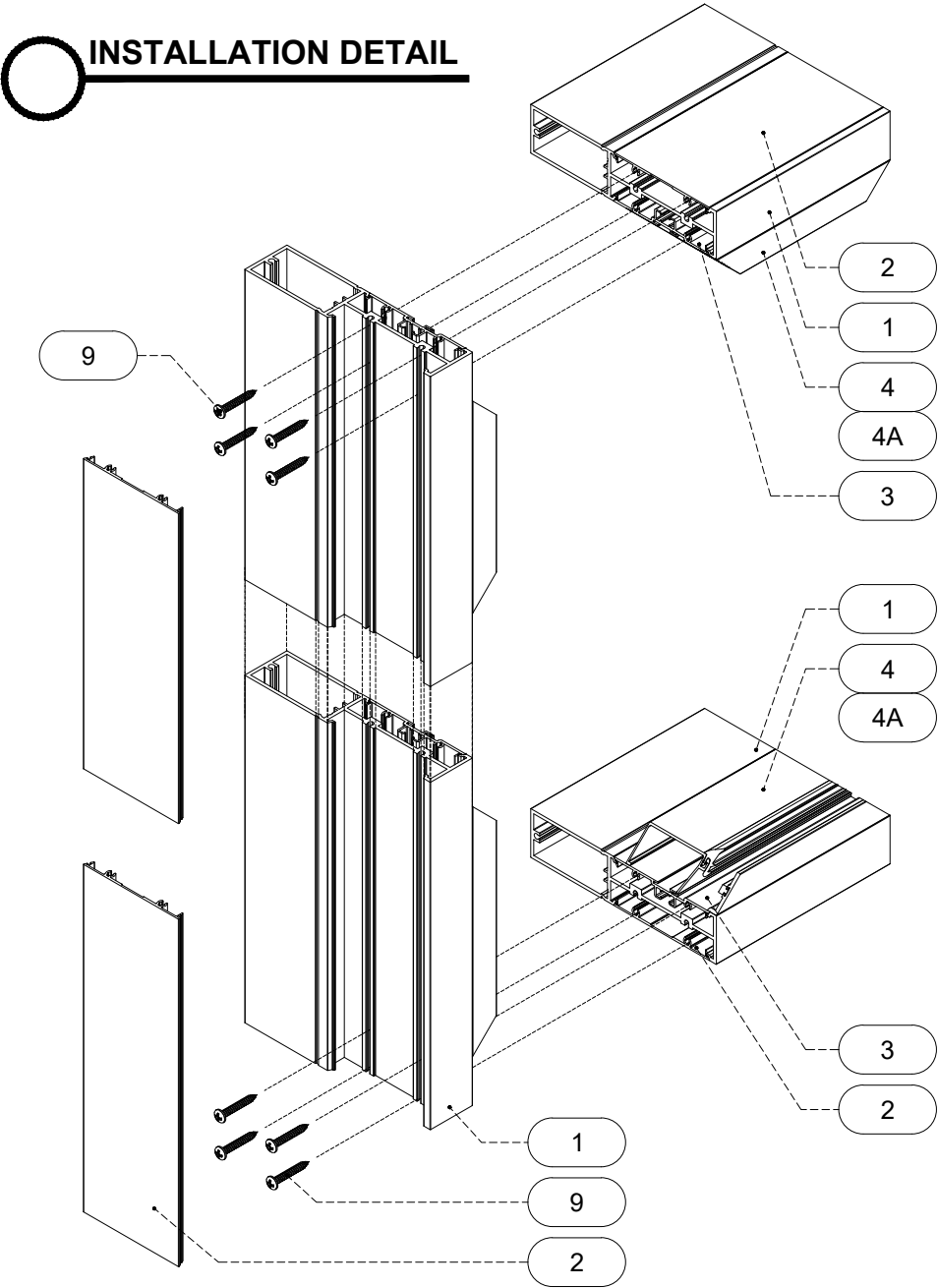
SEALED: 02/27/2026

FL# 41728.1

PROFILES

SHEET No.
12 OF 13

BILL OF MATERIALS			
ITEM	PART	DESCRIPTION	MATERIAL
1	ENV-4511	VERTICAL MULLION/ JAMB/ SILL	ALUM. 6063-T6
2	ENV-454	FLAT SNAP	ALUM. 6063-T6
3	ENV-453	FIN SNAP	ALUM. 6063-T6
3A	ENV-453A	FIN SNAP	ALUM. 6063-T6
4	ENV-4512	SMALL GLASS STOP	ALUM. 6063-T6
4A	ENV-452	STANDARD GLASS STOP	ALUM. 6063-T6
4B	ENV-458	EXTENDED GLASS STOP	ALUM. 6063-T6
5	ENV-ST7	1/2" X 3" STEEL BAR	A36
6	ENV-G01	WEDGE GASKET	EPDM
7	ENV-G03	SPACER GASKET	EPDM
8	-	TYPICAL ANCHORS	STAINLESS STEEL
9	ENV-S01	#12 X 1" SS SMS	STAINLESS STEEL
10	-	STRUCTURAL SEALANT DOWSIL 791 / GE 2000 / SIKA SG-10	SILICONE
11	-	BACKER ROD AND SILICONE SEALANT DS790	-
12	ENV-SB01	SETTING BLOCK, DUROMETER 70±5, ENV-SB01 FOR 9/16" GLASS, ENV-SB02 FOR 1- 5/16" GLASS	EPDM
13A	-	1/8" X 4 -1/8" STEEL BAR	A36
13B	-	1/4" X 4 -1/8" STEEL BAR	A36
13C	-	3/8" X 4-1/8" STEEL BAR	A36
14	ENV-ST8	1/4" X 2-3/4" STEEL BAR	A36
15	ENV-S02	#12 X 1 1/4" SS SMS @ 16" O.C.	STAINLESS STEEL



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B.O.M / INSTALL.DET.	SHEET No. 13 OF 13
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