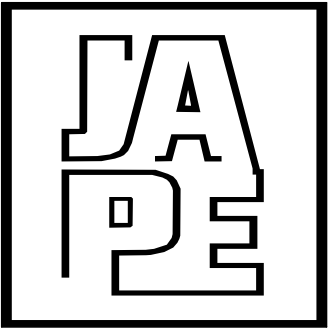


INFINITE WINDOWS LLC

IW 4000 FRONT SET WINDOW WALL SYSTEM

(LARGE AND SMALL MISSILE IMPACT RATED)

FL# 47881



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 :

IW 4000 FRONT SET WINDOW
WALL SYSTEM

LARGE AND SMALL MISSILE
IMPACT RATED

CLIENT :

INFINITE WINDOWS LLC

1612 NW 84TH AVE
DORAL, FL 33126

REVISION

No.	DATE	BY	DESCRIPTION

Date: 10-21-25

Scale: N/A

Drawn by: DK

Check by: PK

Drawing no. JA-1684-25

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



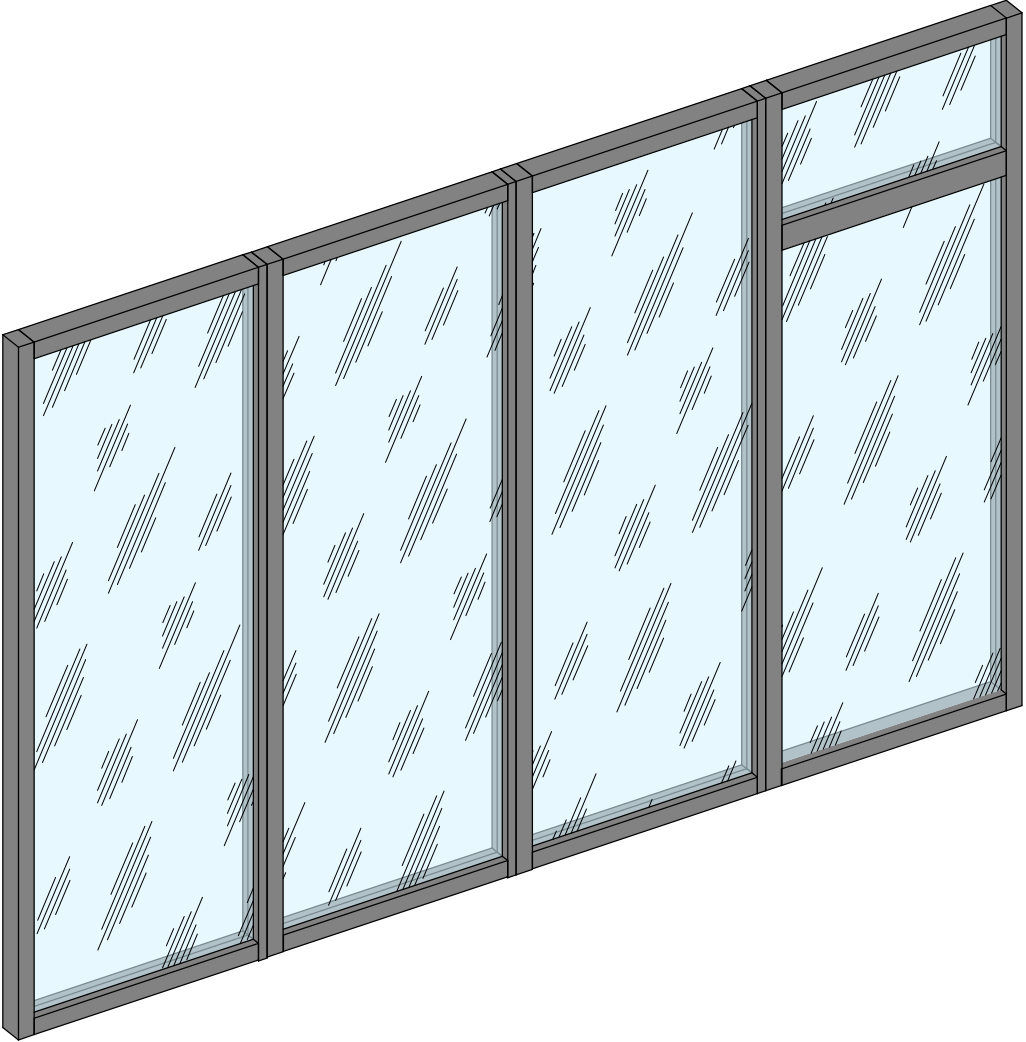
10-21-2025

SHEET INDEX

101	COVER PAGE
102	TYPICAL ELEVATION
103	GLAZING OPTIONS
104	MULLION OPTIONS AND PRESSURE TABLES
105	SECTIONAL DETAILS
106	SECTIONAL DETAILS
107	ANCHORAGE LAYOUT
108	ALTERNATE ELEVATION AND ANCHORAGE LAYOUT
109	ANCHOR CAPACITY PRESSURE TABLES
110	PARTS LIST
111	FRAME ASSEMBLY

NOTE:

- THIS PRODUCT CAN BE COMBINED WITH OTHER FBC APPROVED INFINITE WINDOWS PRODUCTS. WHEN MULLED COMBINATIONS ARE USED, THE LOWER DESIGN PRESSURE FROM EACH PRODUCT WILL APPLY TO THE ENTIRE SYSTEM. FINAL APPROVAL OF ALL DESIGNS SHALL BE GRANTED BY THE GOVERNING MUNICIPALITY.
- IF THE DESIGN PRESSURES/ FRAME DIMENSIONS ON SITE EXCEEDS THE PRESSURES GIVEN IN THIS APPROVAL, PLEASE CONTACT INFINITE WINDOWS LLC.



WINDOW WALL SYSTEM

GENERAL NOTES

- THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE EIGHTH EDITION (2023), FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ) PER TAS 201/202/203.
- GLASS CAPACITIES MENTIONED IN THE PRESSURE CHARTS IN THIS CERTIFICATION ARE BASED ON ASTM E1300-16 (3 SEC. GUSTS).
- DESIGN PRESSURES MENTIONED IN THIS CERTIFICATION AS ALLOWABLE PRESSURES (ASD) BASED ON TESTED PRESSURE DIVIDED BY A FACTOR OF SAFETY OF 1.5.
- THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH THE STANDARDS IN NOTE 1 OF THE GENERAL NOTES AND IS LARGE MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE IMPACT RESISTANT SHUTTERS.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
- THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.

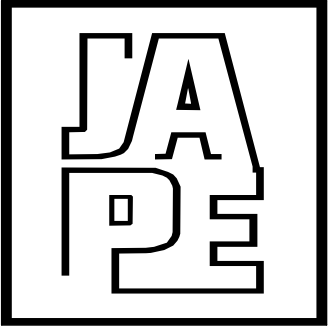
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE ANY SITE SPECIFIC INSTALLATION INFORMATION. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A QUALIFIED ENGINEER LICENSED IN THE STATE OF FLORIDA SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR INSULATING ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- FASTENERS DESCRIBED IN THIS CERTIFICATION ARE PERMITTED TO BE SUBSTITUTE PROVIDED THE STRENGTH OF THE ALTERNATIVE ANCHOR IS EQUAL TO OR GREATER THAN THE ORIGINALLY SPECIFIED ANCHOR. FINAL APPROVAL OF SUBSTITUTED ANCHORS SHALL BE BY OTHERS.
- FASTENERS SHALL BE CADMIUM PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3 OF THE CURRENT CODE BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES.
- ENGINEER'S SEAL AFFIXED HERE VALIDATES THE STRUCTURAL DESIGN AS SHOWN ONLY. THE USE OF THIS SPECIFICATION BY THE CONTRACTOR, ET AL., INDEMNIFIES AND SAVES HARMLESS THIS ENGINEER FROM ALL COSTS AND DAMAGES, INCLUDING LEGAL FEES AND APPELLATE FEES, RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, AND CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, AND FEDERAL CODES, AND FROM DEVIATIONS OF THIS PLAN.

- THIS PRODUCT IS APPROVED FORCED ENTRY RESISTANCE AS PER ASTM F588.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION).
- PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM CONTAINING THE FOLLOWING:
INFINITE WINDOWS, LLC
1612 NW 84TH AVE, DORAL, FL 33126
APPROVED BY FLORIDA BUILDING COMMISSION
FLORIDA PRODUCT APPROVAL NUMBER FL# 47881

THIS SYSTEM IS APPROVED FOR INSTALLATION WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.
THIS SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT.

TYPICAL ELEVATION

FL# 47881



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IW 4000 FRONT SET WINDOW
WALL SYSTEM

LARGE AND SMALL MISSILE
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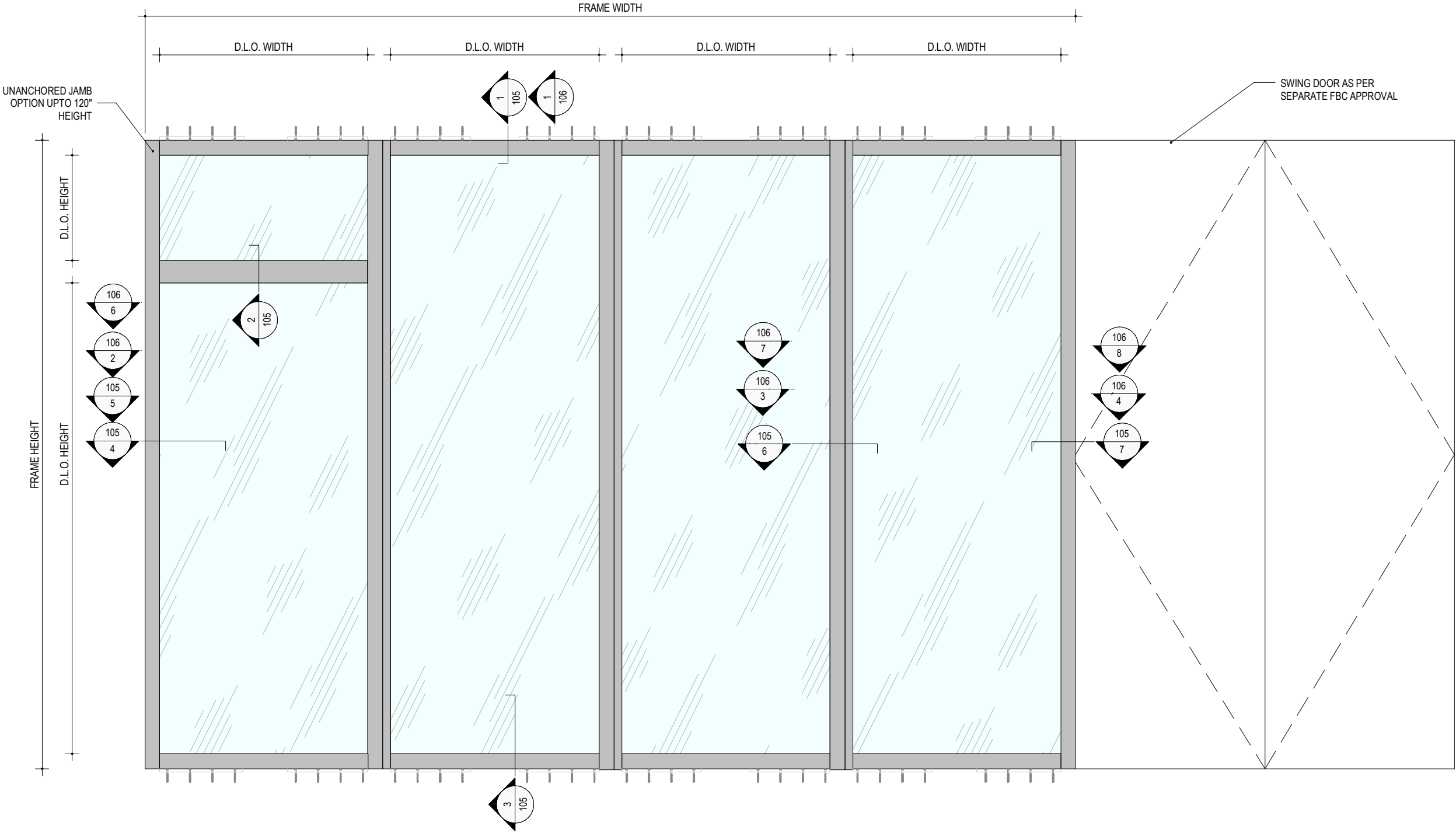
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Drawing no. JA-1684-25

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



10-21-2025

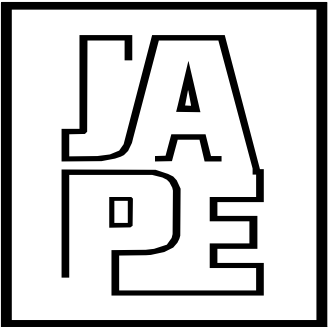


1 TYPICAL ELEVATION
102 NOT TO SCALE

NOTE:
• MAXIMUM HORIZONTAL MULLIONS SPAN IS 45"
• FOR ANCHORS DETAILS, SEE SHEET 107
• MAXIMUM DOOR WIDTH IS 76"

GLAZING OPTIONS

FL# 47881



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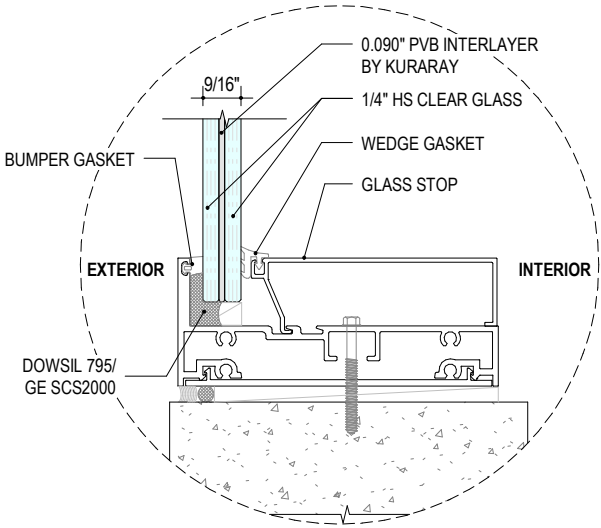
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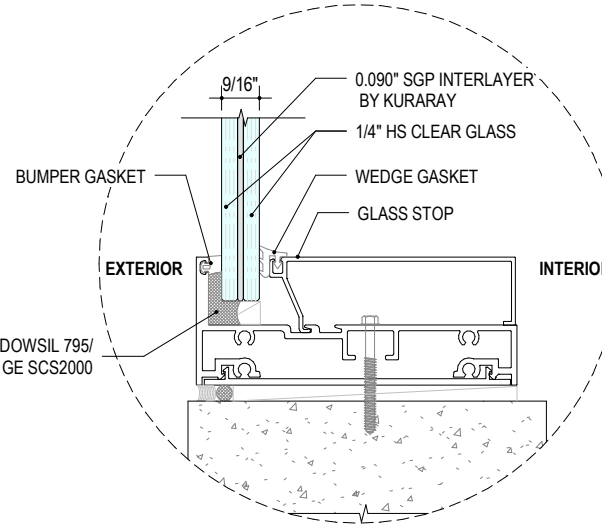


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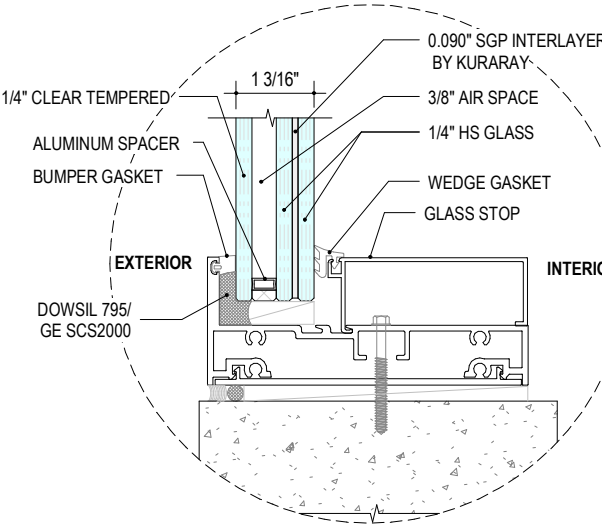
1 GLASS TYPE 'GL-1'

103 NOT TO SCALE LMI OR SMI RATED GLASS



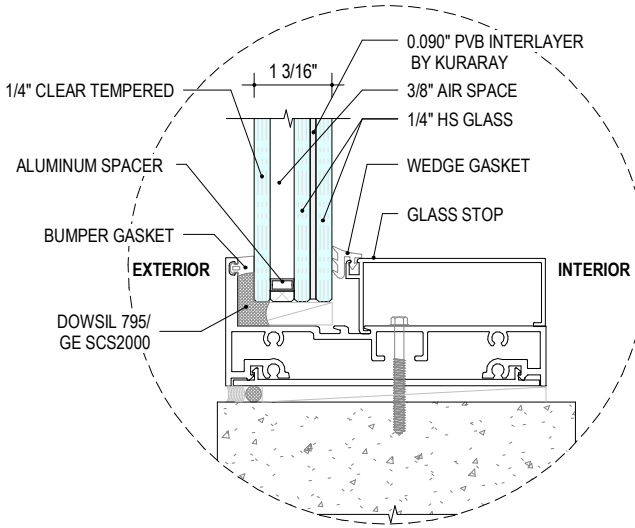
2 GLASS TYPE 'GL-2'

103 NOT TO SCALE LMI OR SMI RATED GLASS



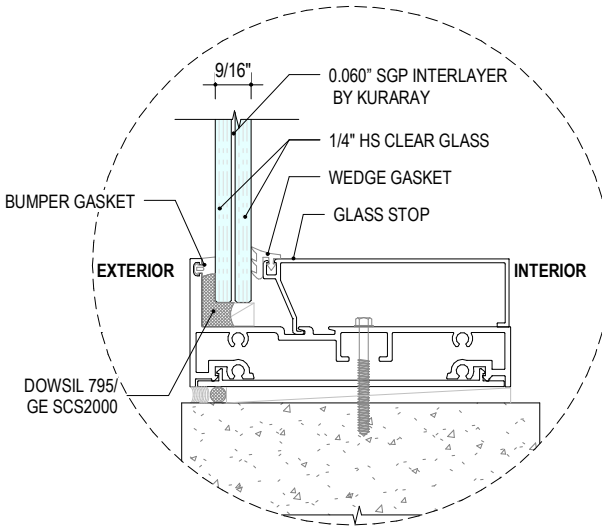
3 GLASS TYPE 'GL-3'

103 NOT TO SCALE LMI OR SMI RATED GLASS



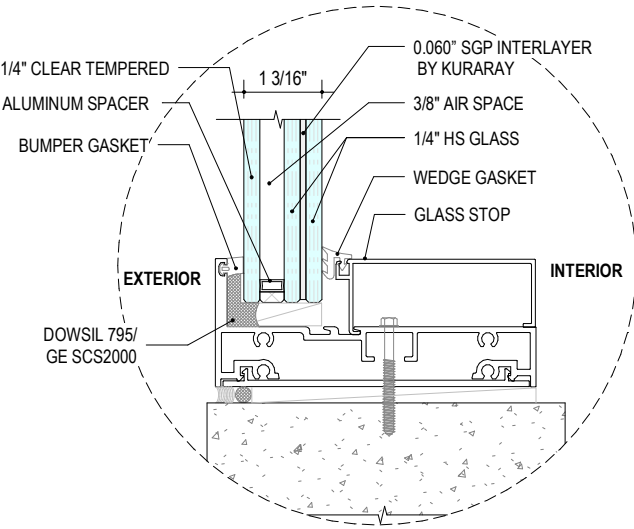
4 GLASS TYPE 'GL-4'

103 NOT TO SCALE LMI OR SMI RATED GLASS



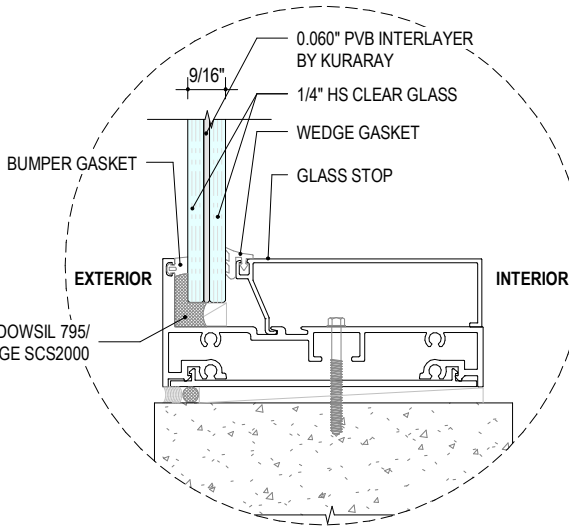
5 GLASS TYPE 'GL-5'

103 NOT TO SCALE SMI RATED GLASS



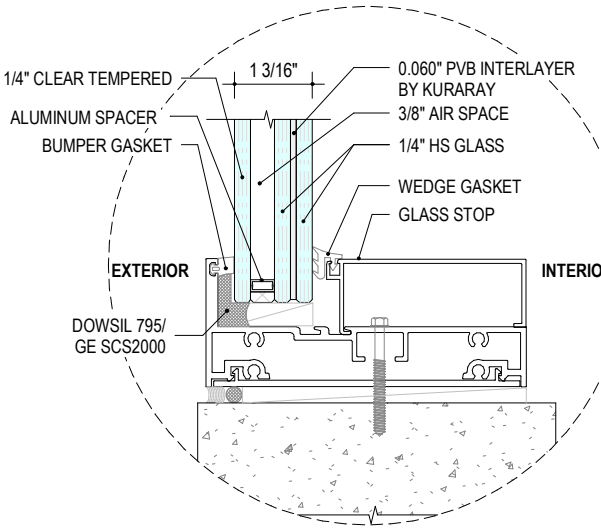
6 GLASS TYPE 'GL-6'

103 NOT TO SCALE SMI RATED GLASS



7 GLASS TYPE 'GL-7'

103 NOT TO SCALE SMI RATED GLASS



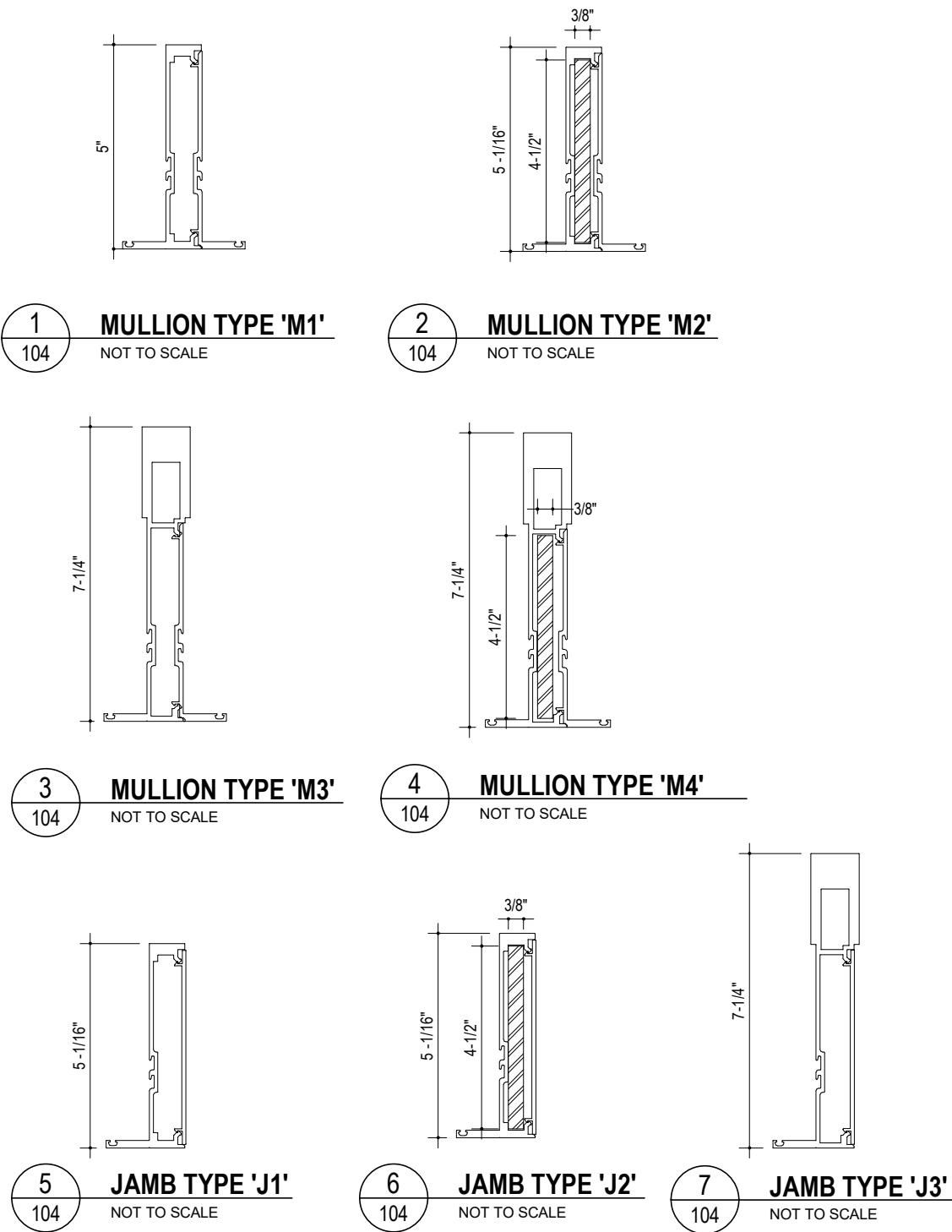
8 GLASS TYPE 'GL-8'

103 NOT TO SCALE SMI RATED GLASS

MULLION OPTIONS AND PRESSURE TABLES

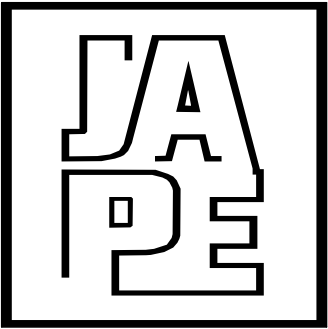
FL# 47881

ALLOWABLE PRESSURE CAPACITY OF MULLION - PSF (+/-)								
OPENING SIZE		M1(UNREINF.)	M2(REINF.)	M3(UNREINF.)	M4(REINF.)	J1(UNREINF.)	J2(REINF.)	J3(UNREINF.)
HEIGHT (IN.)	WIDTH (IN.)							
96	48	65	65	80	80	65	65	80
	53	65	65	80	80	65	65	80
	60	65	65	80	80	65	65	80
108	48	65	65	80	80	65	65	80
	53	65	65	80	80	65	65	80
	60	65	65	80	80	65	65	80
120	48	65	65	80	80	65	65	80
	53	-	65	80	80	-	65	80
	60	-	65	80	80	-	65	80
126	48	-	65	80	80	-	65	80
	53	-	65	80	80	-	65	80
	60	-	65	80	80	-	65	80
136	48	-	65	80	80	-	65	80
	53	-	65	80	80	-	65	80
	60	-	59	80	80	-	59	80
144	48	-	65	80	80	-	65	80
	53	-	61	80	80	-	61	80
	60	-	54	80	80	-	54	80
152	48	-	53	80	80	-	53	80
	53	-	-	79	79	-	-	79
166	48	-	-	68	68	-	-	68
180	48	-	-	50	50	-	-	50



ALLOWABLE PRESSURE CAPACITY OF GLASS - PSF (+/-)									
MAX D.L.O.		GLASS TYPES							
HEIGHT (IN.)	WIDTH (IN.)	GL - 1	GL - 2	GL - 3	GL - 4	GL - 5	GL - 6	GL - 7	GL - 8
96	45	65	80	80	65	80	80	65	65
	50	65	80	80	65	80	80	65	65
	57	65	80	80	65	80	80	65	65
116	45	65	80	80	65	80	80	65	65
	50	—	80	80	—	80	80	—	—
	57	—	80	80	—	80	80	—	—
126	45	—	80	80	—	80	80	—	—
	50	—	80	80	—	80	80	—	—
	57	—	80	80	—	80	80	—	—
136	45	—	80	80	—	80	80	—	—
	50	—	80	80	—	80	80	—	—
	57	—	80	80	—	80	80	—	—
140	45	—	80	80	—	80	80	—	—
	50	—	80	80	—	80	80	—	—
	57	—	80	80	—	80	80	—	—
152	45	—	70	—	—	70	—	—	—
	50	—	70	—	—	70	—	—	—
166	45	—	60	—	—	60	—	—	—
176	45	—	50	—	—	50	—	—	—

SECTIONAL PROPERTIES										
Sectional Properties	M1 (UNREINF.)	M2 (REINF.)		M3 (UNREINF.)	M4 (REINF.)		J1 (UNREINF.)	J2 (REINF.)		J3 (UNREINF.)
	ALUM.	ALUM.	STEEL	ALUM.	ALUM.	STEEL	ALUM.	ALUM.	STEEL	ALUM.
Ixx (In4)	6.037	6.037	2.848	21.757	21.757	2.848	5.258	5.258	2.848	19.002
Sxx (In3)	2.053	2.053	1.266	7.203	7.203	1.266	1.935	1.935	1.266	6.755
Zx (In3)	2.943	2.943	1.898	7.308	7.308	1.898	2.605	2.605	1.898	6.475



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IW 4000 FRONT SET WINDOW
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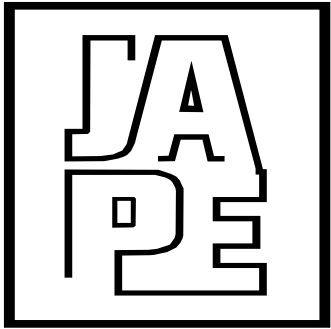
Eng: JAVAD AHMAD, PE
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SECTIONAL DETAILS

FL# 47881



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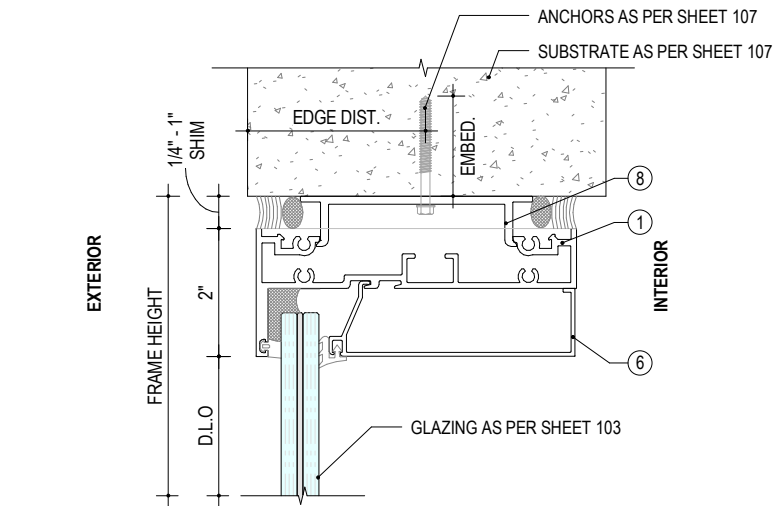
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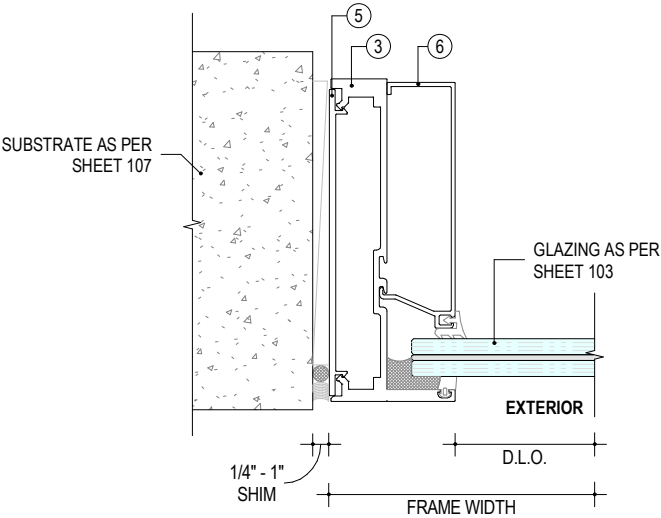


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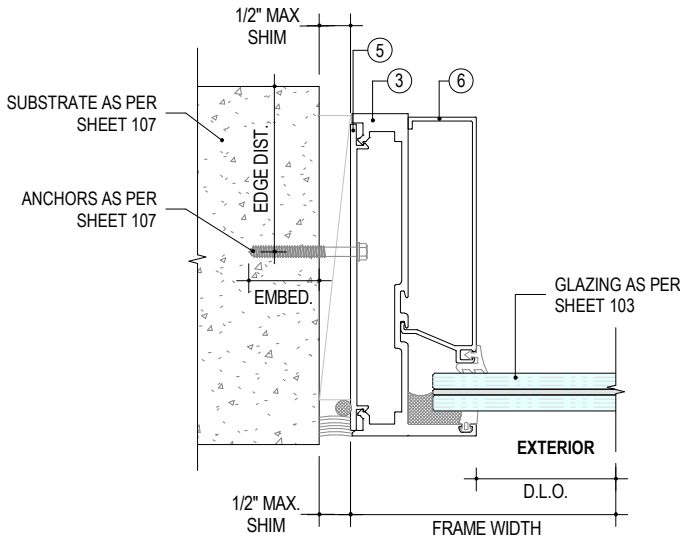
1 HEAD DETAIL WITH SHIM ADAPT.

105 NOT TO SCALE



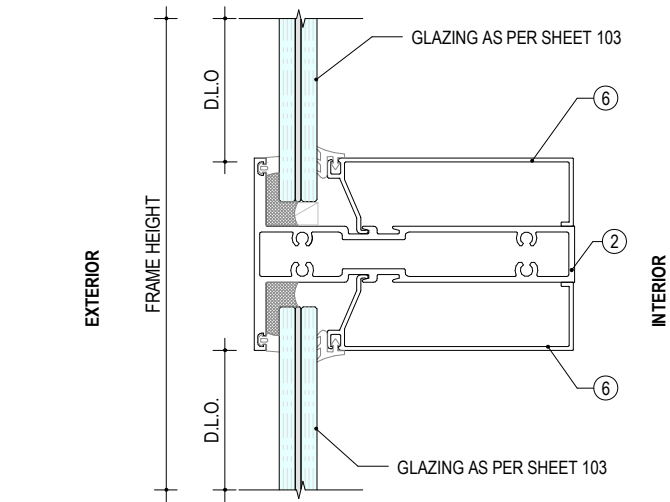
4 LEFT SIDE JAMB WITHOUT ANCHORS DETAIL

105 NOT TO SCALE



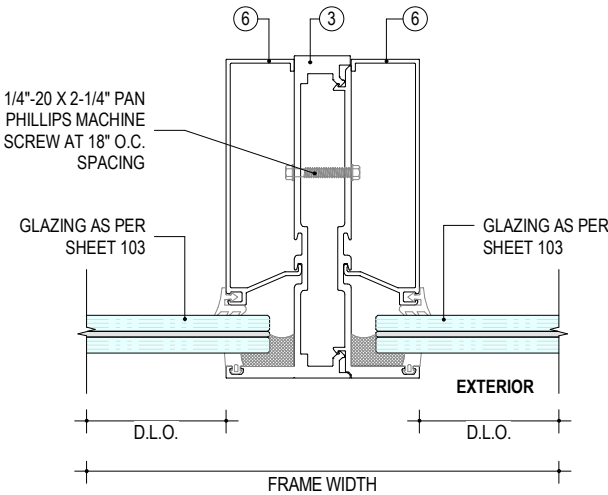
5 LEFT SIDE JAMB WITH ANCHORS DETAIL

105 NOT TO SCALE



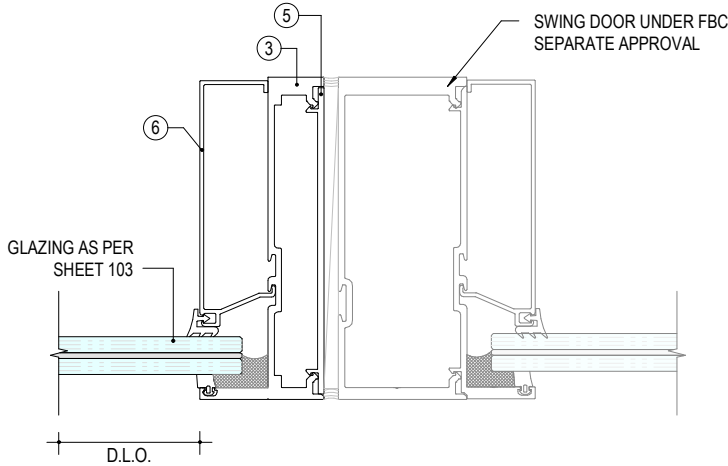
2 HORIZONTAL INTERMEDIATE DETAIL

105 NOT TO SCALE



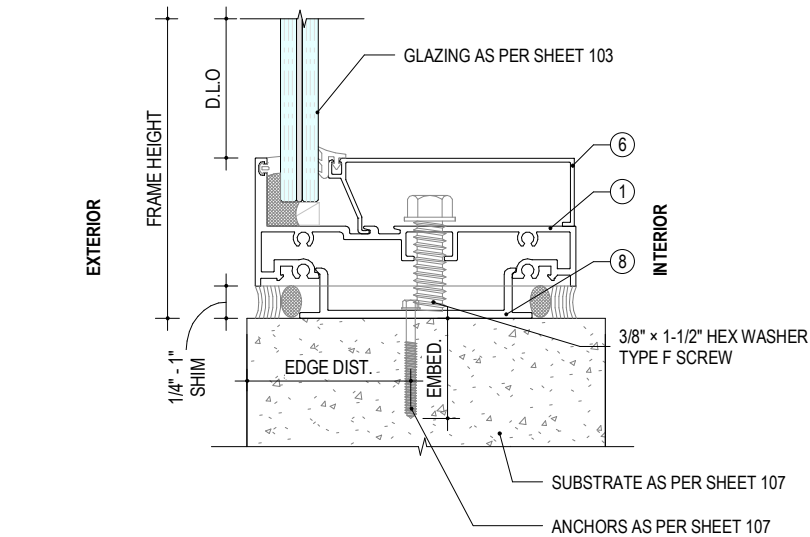
6 INTERMEDIATE JAMB DETAIL

105 NOT TO SCALE



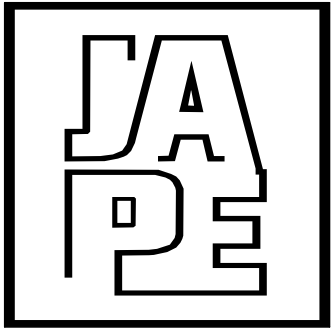
7 INTERMEDIATE AT DOOR JAMB DETAIL

105 NOT TO SCALE



3 SILL DETAIL WITH SHIM ADAPT.

105 NOT TO SCALE



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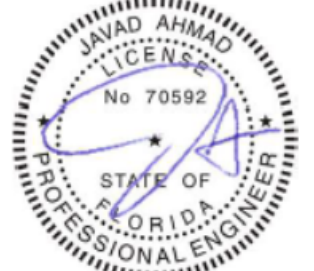
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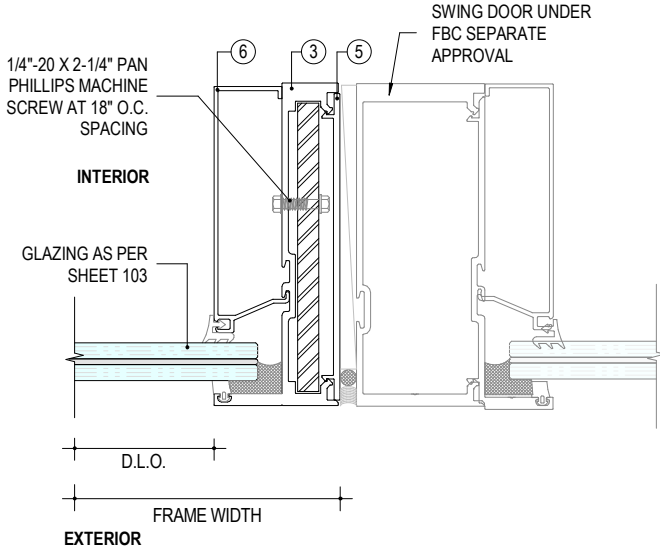
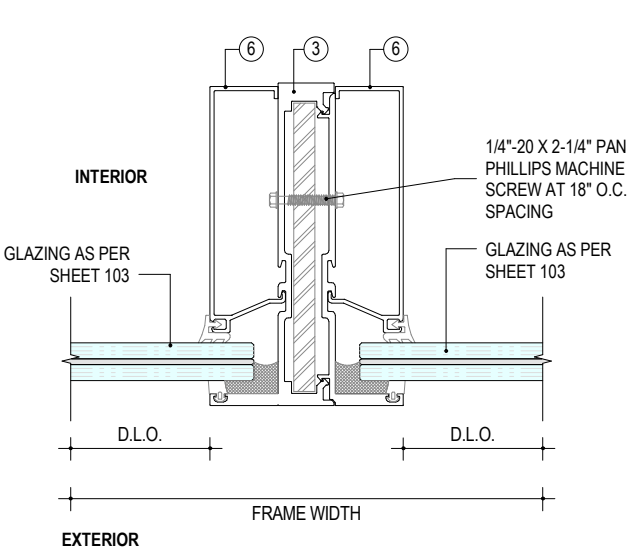
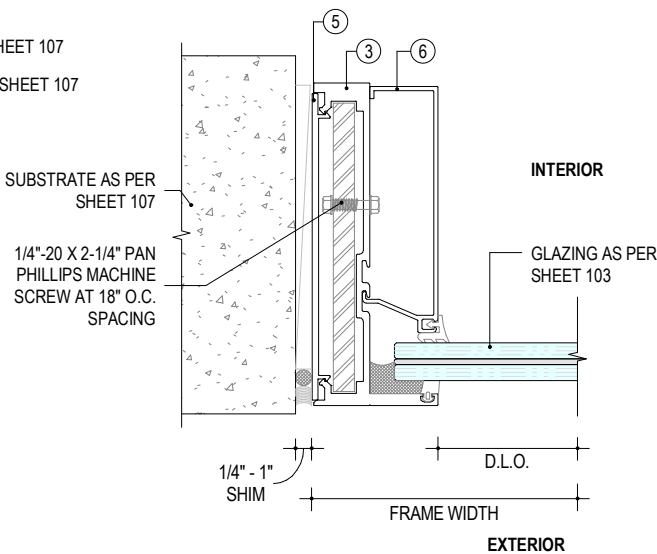
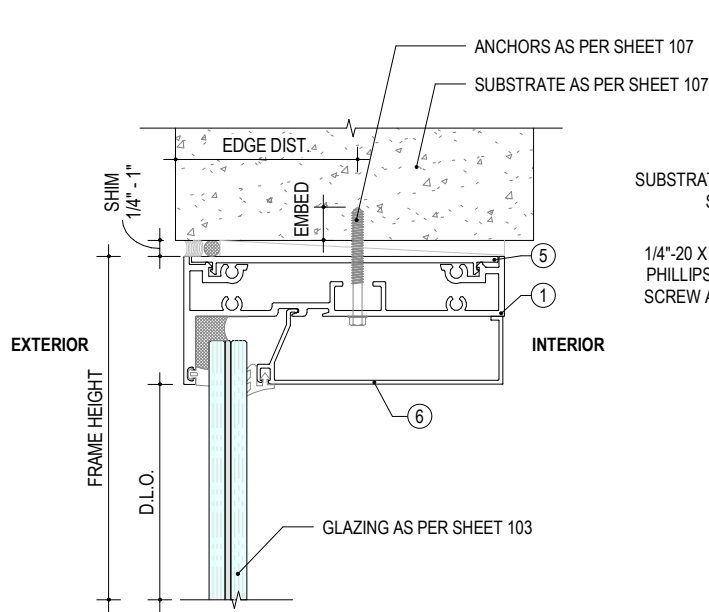
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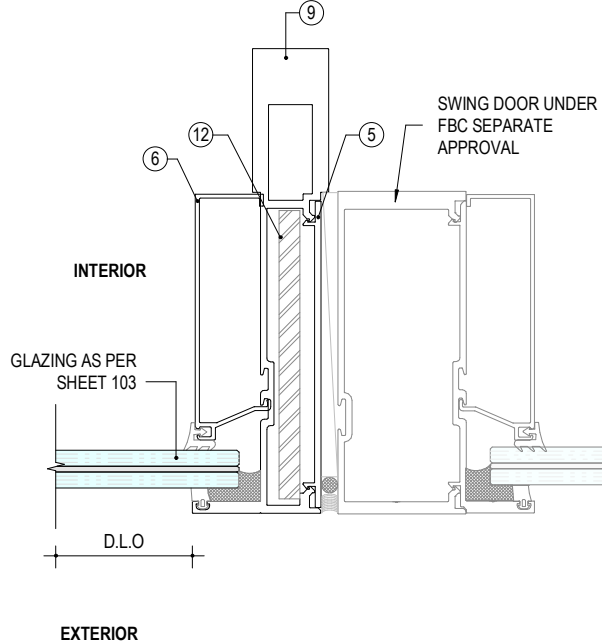
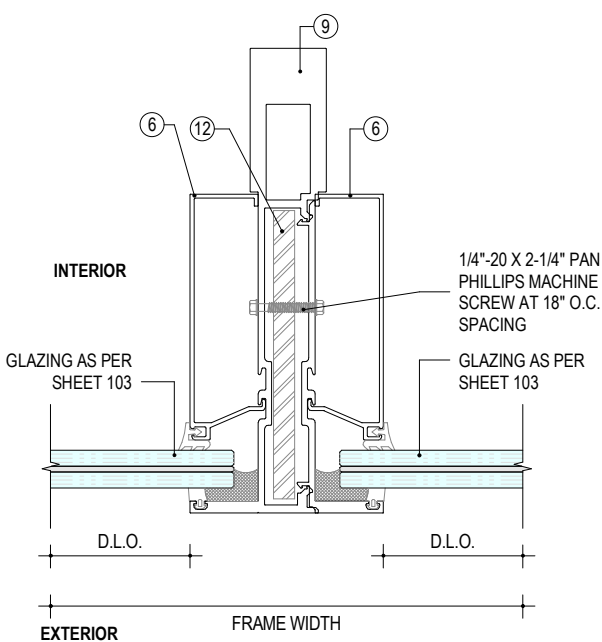
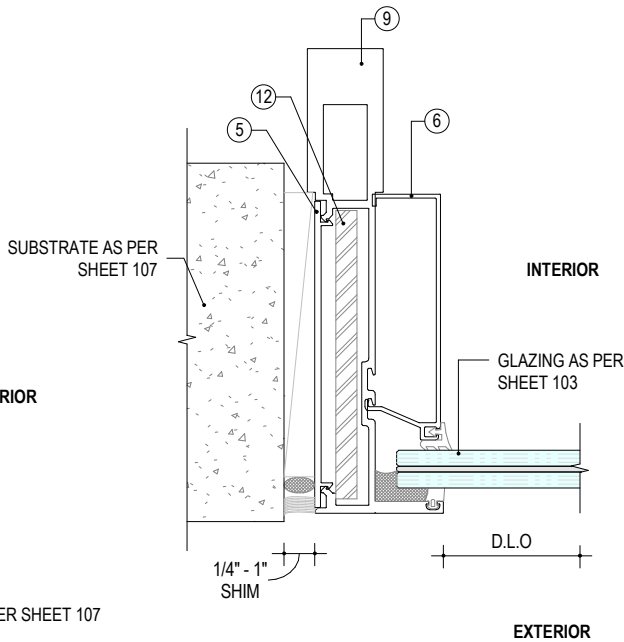
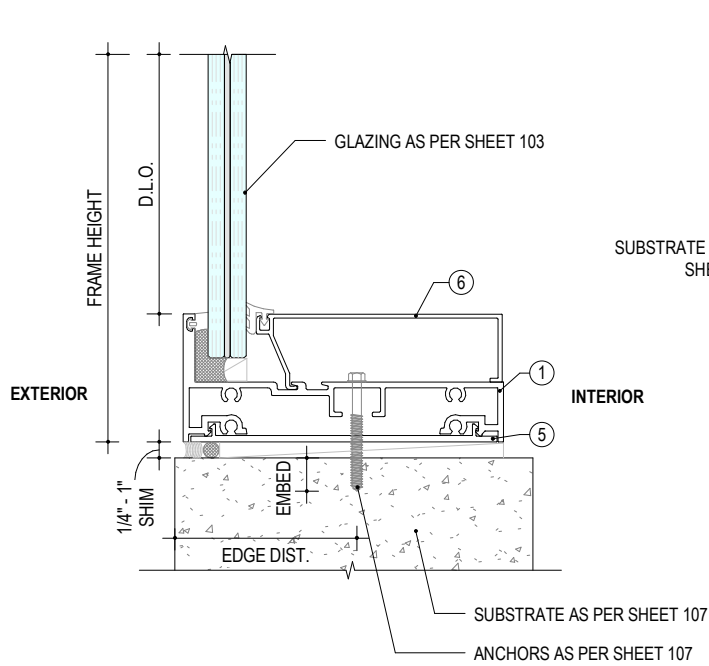


1
106 HEAD DETAIL WITH FLAT CLIP
NOT TO SCALE

2
106 LEFT SIDE JAMB DETAIL TYPE-1
NOT TO SCALE

3
106 INTERMEDIATE JAMB DETAIL TYPE-1
NOT TO SCALE

4
106 RIGHT SIDE JAMB DETAIL TYPE-1
NOT TO SCALE



5
106 SILL DETAIL WITH FLAT CLIP
NOT TO SCALE

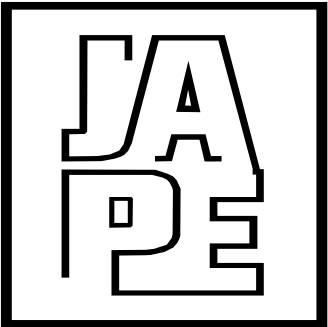
6
106 LEFT SIDE JAMB DETAIL TYPE-2
NOT TO SCALE

7
106 INTERMEDIATE JAMB DETAIL TYPE-2
NOT TO SCALE

8
106 RIGHT SIDE JAMB DETAIL TYPE-2
NOT TO SCALE

ANCHORAGE LAYOUT

FL# 47881



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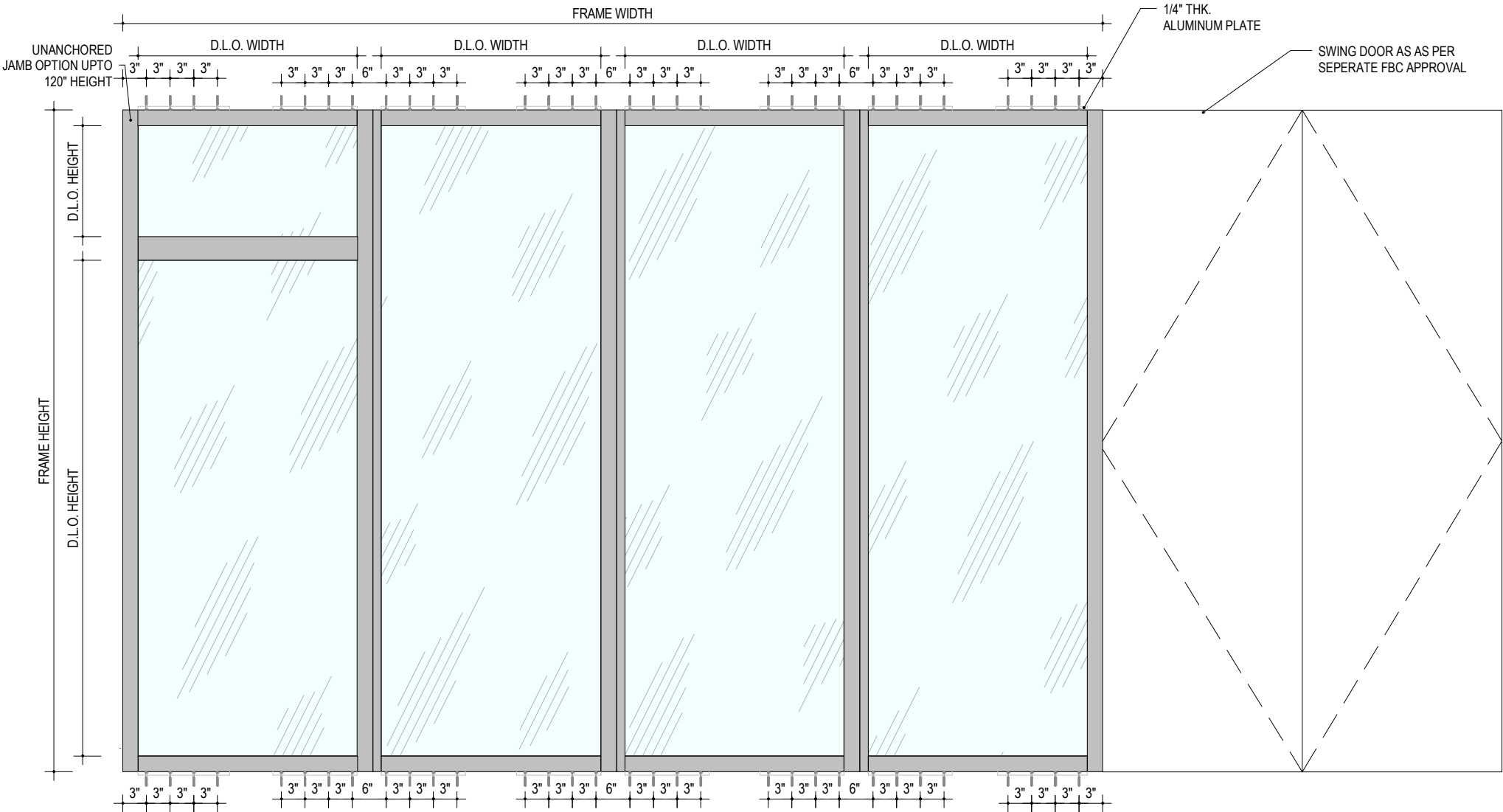
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1

107

ANCHORAGE LAYOUT OF WINDOW WALL

NOT TO SCALE

TYPICAL ANCHOR TYPES:

TYPE A - 5/16" DEWALT ULTRACON (Fu = 177,000 PSI, Fy = 155,000 PSI)

- INTO CONCRETE WITH 2" EMBEDMENT, 3-1/8" MIN EDGE DISTANCE AND 24" O.C SPACING FOR JAMBS

TYPE B - 5/16-18 SAE GRADE 5 SCREWS (Fu = 120,000 PSI, Ft= 48000 PSI)

- INTO 1/8" MIN. THK. ALUMINUM / STEEL / APPROVED MULLION WITH (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS, AND 3/4" MIN EDGE DISTANCE AND 24" O.C. SPACING FOR JAMB.

TYPE C - 5/16" DEWALT ULTRACON (Fu = 177,000 PSI, Fy = 155,000 PSI)

- INTO 2BY WOOD WITH 1" MIN PENETRATION, AND 1-3/4" MIN EDGE DISTANCE AND 18" O.C. SPACING FOR JAMBS.
- INTO HOLLOW CONCRETE MASONRY WITH 1-1/4" EMBEDMENT, 3-1/8" MIN. EDGE DISTANCE AND 24" O.C. SPACING FOR JAMBS.
- INTO GFCMU WITH 2-1/4" EMBEDMENT, 2-1/2" MIN. EDGE DIST. AND 24" O.C. SPACING FOR JAMBS.

ANCHOR / SUBSTRATE NOTES:

- WOOD AT HEAD OR JAMBS IS SOUTHERN YELLOW PINE #2 (SG=0.55 MIN.)
- CONCRETE AT HEAD OR JAMBS f'c= 3000 PSI
- C-90 HOLLOW/GROUT FILLED MASONRY UNITS AT JAMBS f'm= 2000 PSI
- STEEL (1/8" THK., A36 MIN) AT HEAD OR JAMBS
- ALUMINUM (1/8" THK., 6063-T6 MIN) AT HEAD OR JAMBS
- STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED

NOTE:

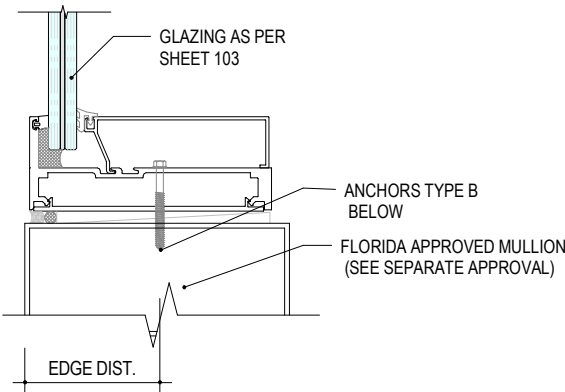
THE WOOD BUCKS, CONCRETE AND METAL STRUCTURE SHOWN ON THIS SHEET SHALL BE DESIGNED BY OTHERS AND ARE NOT PART OF THIS APPROVAL. THEY MUST BE CAPABLE OF WITHSTANDING THE LOADS IMPOSED BY THE GLAZING SYSTEM AND TRANSFERRING THEM TO THE BUILDING STRUCTURE.

5

107

ANCHORAGE INTO ALUMINUM STRUCTURE

NOT TO SCALE

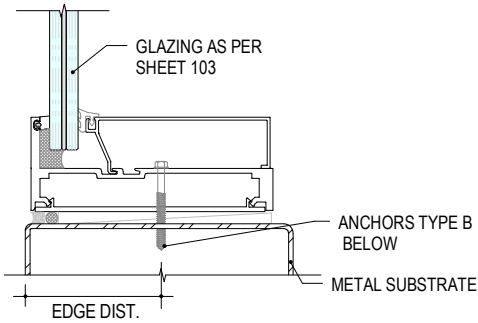


3

107

ANCHORAGE INTO METAL STRUCTURE

NOT TO SCALE

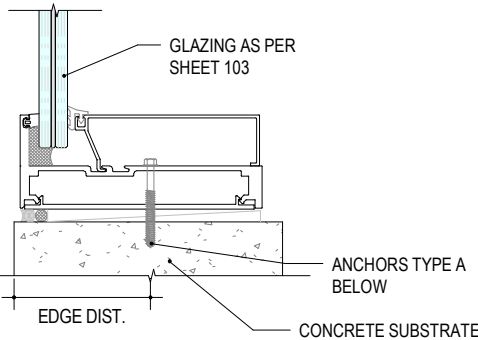


2

107

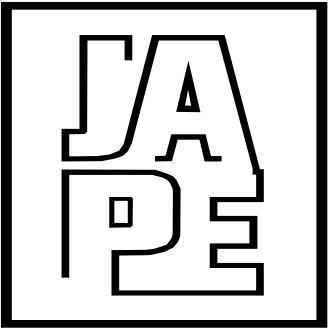
ANCHORAGE INTO CONCRETE SUBSTRATE

NOT TO SCALE



ALTERNATE ELEVATION AND ANCHORAGE LAYOUT

FL# 47881



JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
Doral, FL 33126

Ph: (305) 424-8001
support@ja-pe.com

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ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

IW 4000 FRONT SET WINDOW
WALL SYSTEM

LARGE AND SMALL MISSILE
IMPACT RATED

CLIENT :

INFINITE WINDOWS LLC

1612 NW 84TH AVE
DORAL, FL 33126

REVISION

No.	DATE	BY	DESCRIPTION

Date: 10-21-25

Scale: N/A

Drawn by: DK

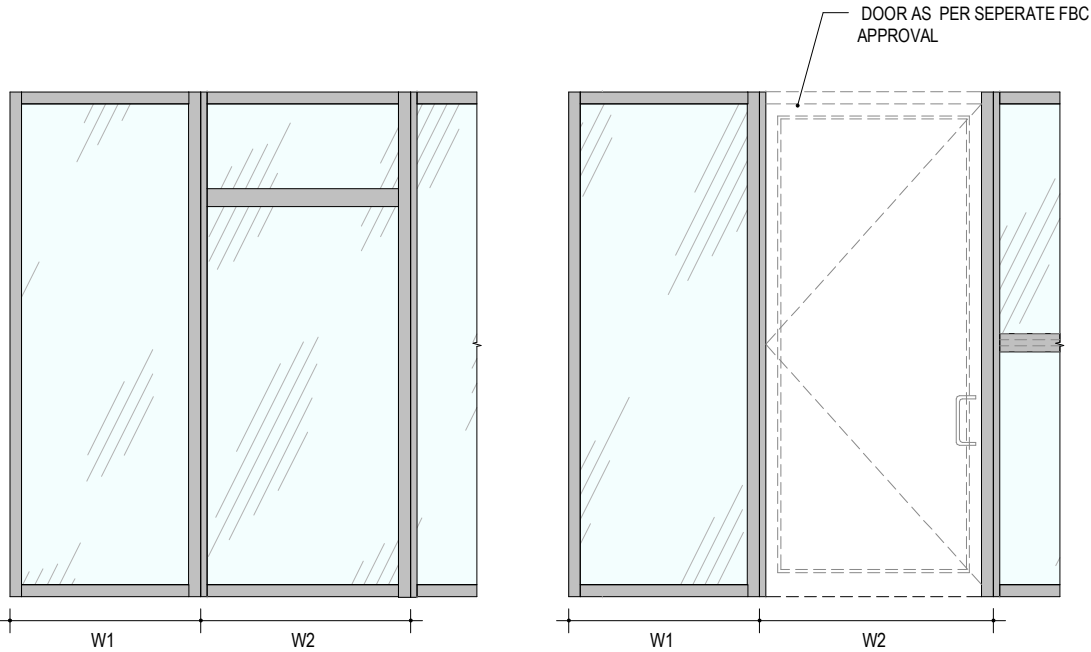
Check by: PK

Drawing no. JA-1684-25

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



10-21-2025



WIDTH (W)
FOR FRAME JAMB

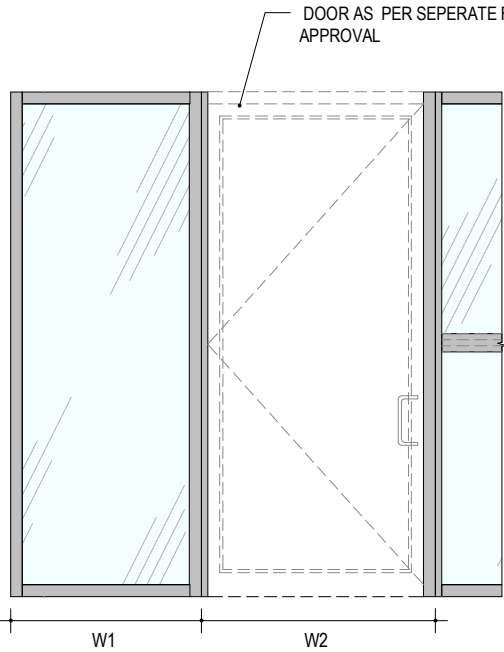
=

W1

WIDTH (W)
FOR FRAME MULLION

=

$\frac{W1 + W2}{2}$



WIDTH (W)
FOR FRAME JAMB

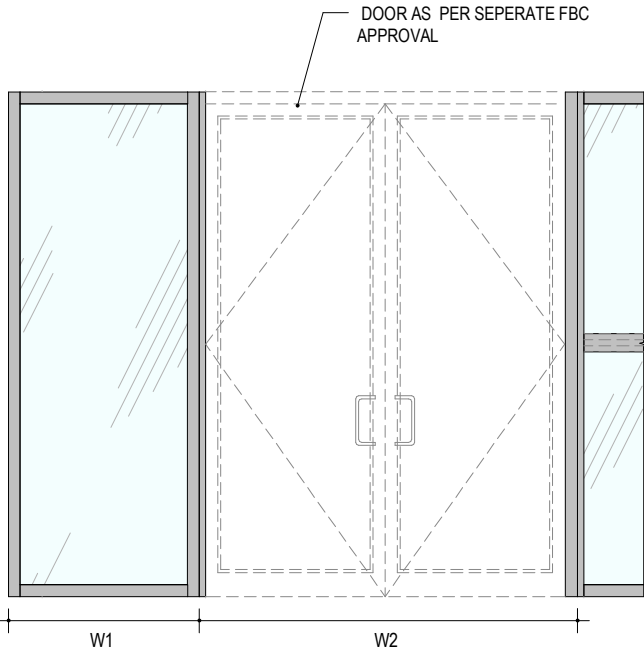
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W1

WIDTH (W)
FOR FRAME MULLION

=

$\frac{W1 + W2}{2}$



WIDTH (W)
FOR FRAME JAMB

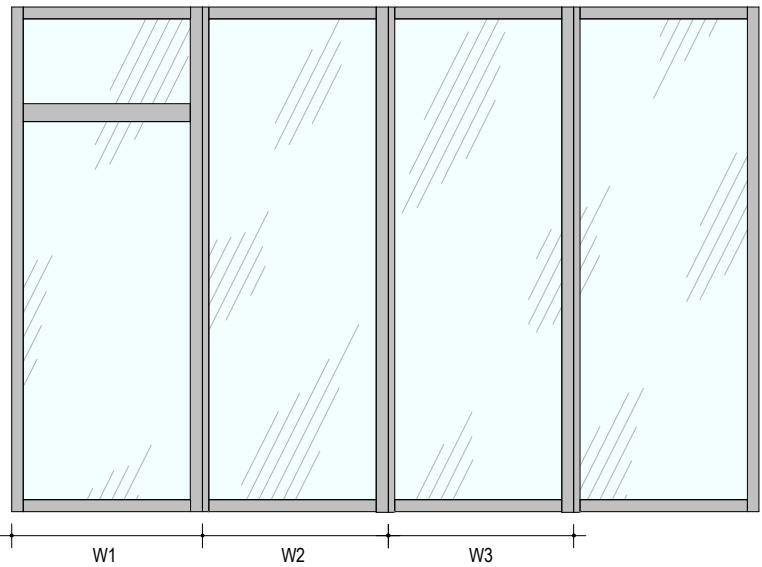
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W1

WIDTH (W)
FOR FRAME MULLION

=

$\frac{W1 + W2}{2}$



WIDTH (W)
FOR FRAME JAMB

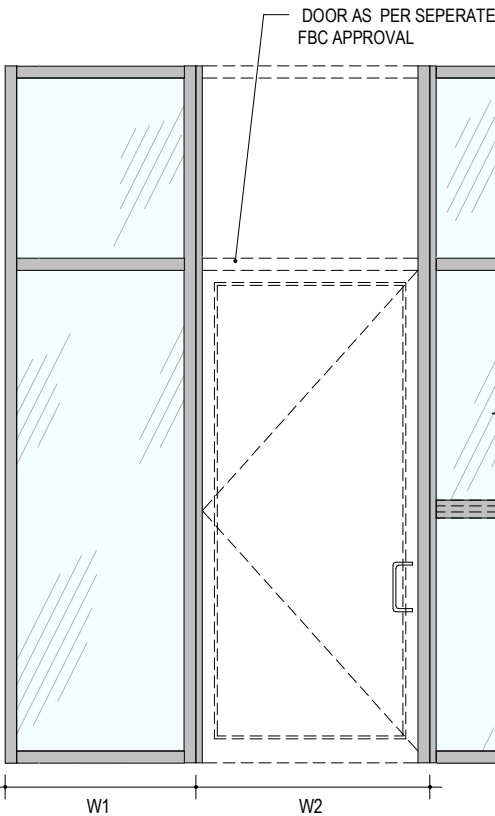
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W1

WIDTH (W)
FOR FRAME MULLION

=

$\frac{W2 + W3}{2}$



WIDTH (W)
FOR FRAME JAMB

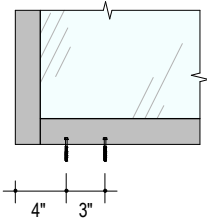
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W1

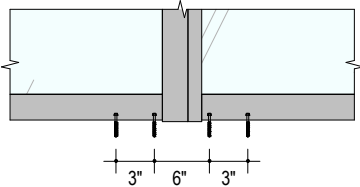
WIDTH (W)
FOR FRAME MULLION

=

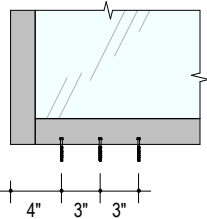
$\frac{W1 + W2}{2}$



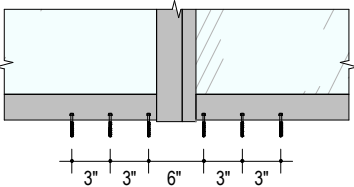
A2, B2, C2



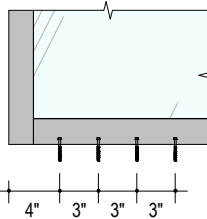
A2, B2, C2



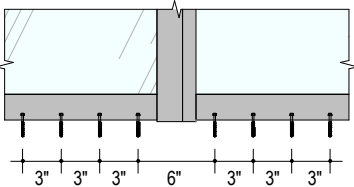
A3, B3, C3



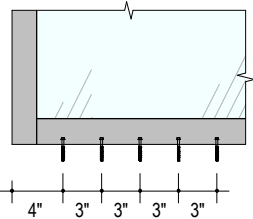
A3, B3, C3



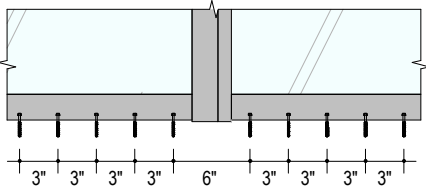
A4, B4, C4



A4, B4, C4



A5, B5, C5



A5, B5, C5

ANCHORS TYPES: SEE SHEET 107 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

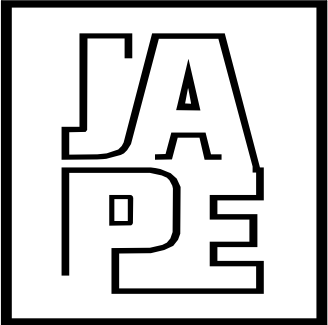
A5 = (5) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B5 = (5) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C5 = (5) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

NOTE: ALL ANCHORS TO BE SPACED AS PER ELEVATION.

STEEL/ ALUMINUM ANCHOR LOAD CAPACITY - PSF (+/-)														
NOMINAL DIMEN. (IN.)		ANCHOR TYPE 'B'												
		1/4" SHIM	1/2" SHIM					3/4" SHIM				1" SHIM		
WIDTH (W)	HEIGHT (H)	B2	B2	B3	B4	B5	B2	B3	B4	B5	B2	B3	B4	B5
48	96	195.3	69.0	103.5	138.0	172.5	49.0	73.5	98.0	122.5	38.0	57.0	76.0	95.0
53	96	176.8	62.5	93.7	125.0	156.2	44.4	66.6	88.8	110.9	34.4	51.6	68.8	86.0
60	96	156.2	55.2	82.8	110.4	138.0	39.2	58.8	78.4	98.0	30.4	45.6	60.8	76.0
48	108	173.6	61.3	92.0	122.7	153.3	43.6	65.3	87.1	108.9	33.8	50.7	67.6	84.4
53	108	157.2	55.5	83.3	111.1	138.9	39.4	59.2	78.9	98.6	30.6	45.9	61.2	76.5
60	108	138.8	49.1	73.6	98.1	122.7	34.8	52.3	69.7	87.1	27.0	40.5	54.0	67.6
48	120	156.2	55.2	82.8	110.4	138.0	39.2	58.8	78.4	98.0	30.4	45.6	60.8	76.0
53	120	141.5	50.0	75.0	100.0	125.0	35.5	53.3	71.0	88.8	27.5	41.3	55.1	68.8
60	120	125.0	44.2	66.2	88.3	110.4	31.4	47.0	62.7	78.4	24.3	36.5	48.6	60.8
48	126	148.8	52.6	78.9	105.1	131.4	37.3	56.0	74.7	93.3	29.0	43.4	57.9	72.4
53	126	134.7	47.6	71.4	95.2	119.0	33.8	50.7	67.6	84.5	26.2	39.3	52.4	65.6
60	126	119.0	42.1	63.1	84.1	105.1	29.9	44.8	59.7	74.7	23.2	34.7	46.3	57.9
48	136	137.8	48.7	73.1	97.4	121.8	34.6	51.9	69.2	86.5	26.8	40.2	53.6	67.1
53	136	124.8	44.1	66.2	88.2	110.3	31.3	47.0	62.7	78.3	24.3	36.4	48.6	60.7
60	136	110.3	39.0	58.4	77.9	97.4	27.7	41.5	55.3	69.2	21.5	32.2	42.9	53.6
48	144	130.2	46.0	69.0	92.0	115.0	32.7	49.0	65.3	81.7	25.3	38.0	50.7	63.3
53	144	117.9	41.7	62.5	83.3	104.2	29.6	44.4	59.2	74.0	22.9	34.4	45.9	57.4
60	144	104.1	36.8	55.2	73.6	92.0	26.1	39.2	52.3	65.3	20.3	30.4	40.5	50.7
48	152	123.3	43.6	65.4	87.2	108.9	30.9	46.4	61.9	77.4	24.0	36.0	48.0	60.0
53	152	111.7	39.5	59.2	78.9	98.7	28.0	42.0	56.1	70.1	21.7	32.6	43.5	54.3
48	166	112.9	39.9	59.9	79.8	99.8	28.3	42.5	56.7	70.8	22.0	33.0	44.0	54.9
48	180	104.1	36.8	55.2	73.6	92.0	26.1	39.2	52.3	65.3	20.3	30.4	40.5	50.7

CONCRETE ANCHOR LOAD CAPACITY - PSF (+/-)													
NOMINAL DIMEN. (IN.)		ANCHOR TYPE 'A'											
		1/4" SHIM		1/2" SHIM		3/4" SHIM				1" SHIM			
WIDTH (W)	HEIGHT (H)	A2	A3	A2	A3	A2	A3	A4	A5	A2	A3	A4	A5
48	96	136.8	205.6	102.0	153.0	72.3	108.4	144.5	180.6	56.0	84.0	112.0	140.0
53	96	123.8	185.8	92.4	138.6	65.4	98.2	130.9	163.6	50.7	76.1	101.4	126.8
60	96	109.4	164.1	81.6	122.4	57.8	86.7	115.6	144.5	44.8	67.2	89.6	112.0
48	108	121.6	182.3	90.7	136.0	64.2	96.3	128.4	160.6	49.8	74.7	99.6	124.4
53	108	110.1	165.1	82.1	123.2	58.2	87.2	116.3	145.4	45.1	67.6	90.2	112.7
60	108	97.2	145.9	72.5	108.8	51.4	77.1	102.8	128.4	39.8	59.7	79.6	99.6
48	120	109.4	164.1	81.6	122.4	57.8	86.7	115.6	144.5	44.8	67.2	89.6	112.0
53	120	99.1	148.6	73.9	110.9	52.3	78.5	104.7	130.9	40.6	60.9	81.1	101.4
60	120	87.5	131.3	65.3	97.9	46.2	69.4	92.5	115.6	35.8	53.8	71.7	89.6
48	126	104.2	156.3	77.7	116.6	55.0	82.6	110.1	137.6	42.7	64.0	85.3	106.7
53	126	94.4	141.5	70.4	105.6	49.9	74.8	99.7	124.6	38.6	58.0	77.3	96.6
60	126	83.4	125.0	62.2	93.3	44.0	66.1	88.1	110.1	34.1	51.2	68.3	85.3
48	136	96.5	144.8	72.0	108.0	51.0	76.5	102.0	127.5	39.5	59.3	79.1	98.8
53	136	87.4	131.1	65.2	97.8	46.2	69.3	92.4	115.5	35.8	53.7	71.6	89.5
60	136	77.2	115.8	57.6	86.4	40.8	61.2	81.6	102.0	31.6	47.4	63.2	79.1
48	144	91.2	136.8	68.0	102.0	48.2	72.3	96.3	120.4	37.3	56.0	74.7	93.3
53	144	82.6	123.8	61.6	92.4	43.6	65.4	87.2	109.1	33.8	50.7	67.6	84.5
60	144	72.9	109.4	54.4	81.6	38.5	57.8	77.1	96.3	29.9	44.8	59.7	74.7
48	152	86.4	129.4	64.4	96.6	45.6	68.4	91.3	114.1	35.4	53.1	70.7	88.4
53	152	78.2	117.3	58.3	87.5	41.3	62.0	82.7	103.3	32.0	48.0	64.1	80.1
48	166	79.1	118.6	59.0	88.5	41.8	62.7	83.6	104.5	32.4	48.6	64.8	81.0
48	180	72.9	109.4	54.4	81.6	38.5	57.8	77.1	96.3	29.9	44.8	59.7	74.7

WOOD ANCHOR LOAD CAPACITY - PSF (+/-)									
NOMINAL DIMEN. (IN.)		ANCHOR TYPE 'C'							
		1/4" - 3/4" SHIM				1" SHIM			
WIDTH (W)	HEIGHT (H)	C2	C3	C4	C5	C2	C3	C4	C5
48	96	70.0	105.0	140.0	175.0	56.0	84.0	112.0	140.0
53	96	63.4	95.1	126.8	158.5	50.7	76.1	101.4	126.8
60	96	56.0	84.0	112.0	140.0	44.8	67.2	89.6	112.0
48	108	62.2	93.3	124.4	155.6	49.8	74.7	99.6	124.4
53	108	56.4	84.5	112.7	140.9	45.1	67.6	90.2	112.7
60	108	49.8	74.7	99.6	124.4	39.8	59.7	79.6	99.6
48	120	56.0	84.0	112.0	140.0	44.8	67.2	89.6	112.0
53	120	50.7	76.1	101.4	126.8	40.6	60.9	81.1	101.4
60	120	44.8	67.2	89.6	112.0	35.8	53.8	71.7	89.6
48	126	53.3	80.0	106.7	133.3	42.7	64.0	85.3	106.7
53	126	48.3	72.5	96.6	120.8	38.6	58.0	77.3	96.6
60	126	42.7	64.0	85.3	106.7	34.1	51.2	68.3	85.3
48	136	49.4	74.1	98.8	123.5	39.5	59.3	79.1	98.8
53	136	44.8	67.1	89.5	111.9	35.8	53.7	71.6	89.5
60	136	39.5	59.3	79.1	98.8	31.6	47.4	63.2	79.1
48	144	46.7	70.0	93.3	116.7	37.3	56.0	74.7	93.3
53	144	42.3	63.4	84.5	105.7	33.8	50.7	67.6	84.5
60	144	37.3	56.0	74.7	93.3	29.9	44.8	59.7	74.7
48	152	44.2	66.3	88.4	110.5	35.4	53.1	70.7	88.4
53	152	40.0	60.1	80.1	100.1	32.0	48.0	64.1	80.1
48	166	40.5	60.7	81.0	101.2	32.4	48.6	64.8	81.0
48	180	37.3	56.0	74.7	93.3	29.9	44.8	59.7	74.7



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PROJECT :

IW 4000 FRONT SET WINDOW
WALL SYSTEM

LARGE AND SMALL MISSILE
IMPACT RATED

CLIENT :

INFINITE WINDOWS LLC

1612 NW 84TH AVE
DORAL, FL 33126

REVISION

No.	DATE	BY	DESCRIPTION

Date: 10-21-25

Scale: N/A

Drawn by: DK

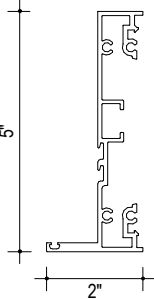
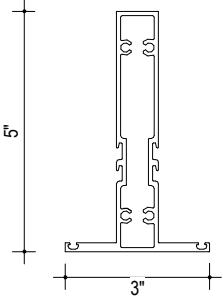
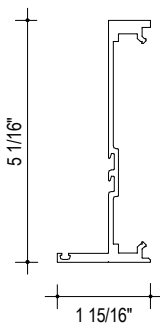
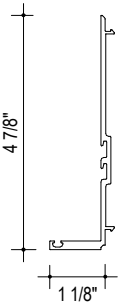
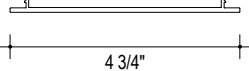
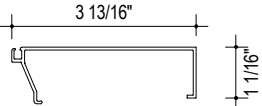
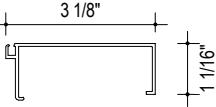
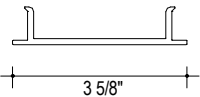
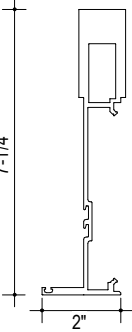
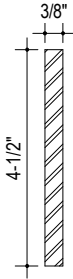
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Drawing no. JA-1684-25

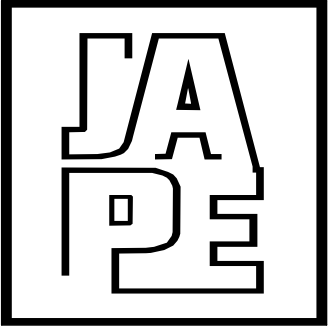
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



10-21-2025

①  HEAD AND SILL ALUMINUM (6063 -T6) IW-4001	②  INTERMEDIATE HORIZONTAL ALUMINUM (6063 -T6) IW-4002	③  MULLION ALUMINUM (6063 -T6) IW-4003	④  FEMALE MULLION ALUMINUM (6063 -T6) IW-4004
⑤  FLAT CLIP ALUMINUM (6063 -T6) IW-4005	⑥  GLASS STOP ALUMINUM (6063 -T6) IW-4006	⑦  GLASS STOP ALUMINUM (6063 -T6) IW-4007	⑧  SHIM SNAP ALUMINUM (6063 -T6) IW-4008
⑨  MALE MULLION JAMB ALUMINUM (6063 -T6) IW-4009	⑩  BUMPER GASKET ALUMINUM (6063 -T6) IW-4006	⑪  WEDGE GASKET ALUMINUM (6063 -T6) IW-4007	⑫  STEEL REINFORCEMENT ALUMINUM (6063 -T6) IW-4008 A36

BILL OF MATERIAL				
ITEM #	REQUIREME...	PART#	DESCRIPTION:	MATERIAL
1	AS REQD.	IW-4001	HEAD AND SILL	ALUMINUM (6063 -T6)
2	AS REQD.	IW-4002	INTERMEDIATE HORIZONTAL	ALUMINUM (6063 - T6)
3	AS REQD.	IW-4003	MULLION	ALUMINUM (6063 -T6)
4	AS REQD.	IW-4004	FEMALE MULLION	ALUMINUM (6063 -T6)
5	AS REQD.	IW-4005	FLAT CLIP	ALUMINUM (6063 -T6)
6	AS REQD.	IW-4006	GLASS STOP	ALUMINUM (6063 -T6)
7	AS REQD.	IW-4007	GLASS STOP	ALUMINUM (6063 -T6)
8	AS REQD.	IW-4008	SHIM SNAP	ALUMINUM (6063 -T6)
9	AS REQD.	IW-4009	MALE MULLION JAMB	ALUMINUM (6063 -T6)
10	AS REQD.	-	BUMPER GASKET	-
11	AS REQD.	-	WEDGE GASKET	-
12	AS REQD.	-	STEEL REINFORCEMENT	STEEL (A36)



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CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

IW 4000 FRONT SET WINDOW
WALL SYSTEM

LARGE AND SMALL MISSILE
IMPACT RATED

CLIENT :

INFINITE WINDOWS LLC

1612 NW 84TH AVE
DORAL, FL 33126

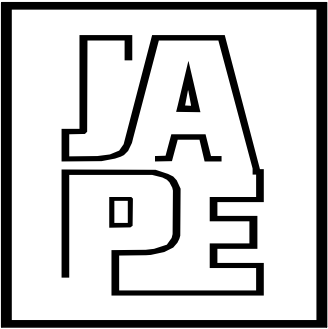
REVISION

No.	DATE	BY	DESCRIPTION
Date:		10-21-25	
Scale:		N/A	
Drawn by:		DK	
Check by:		PK	
Drawing no.		JA-1684-25	

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



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REVISION

No.	DATE	BY	DESCRIPTION

Date: 10-21-25

Scale: N/A

Drawn by: DK

Check by: PK

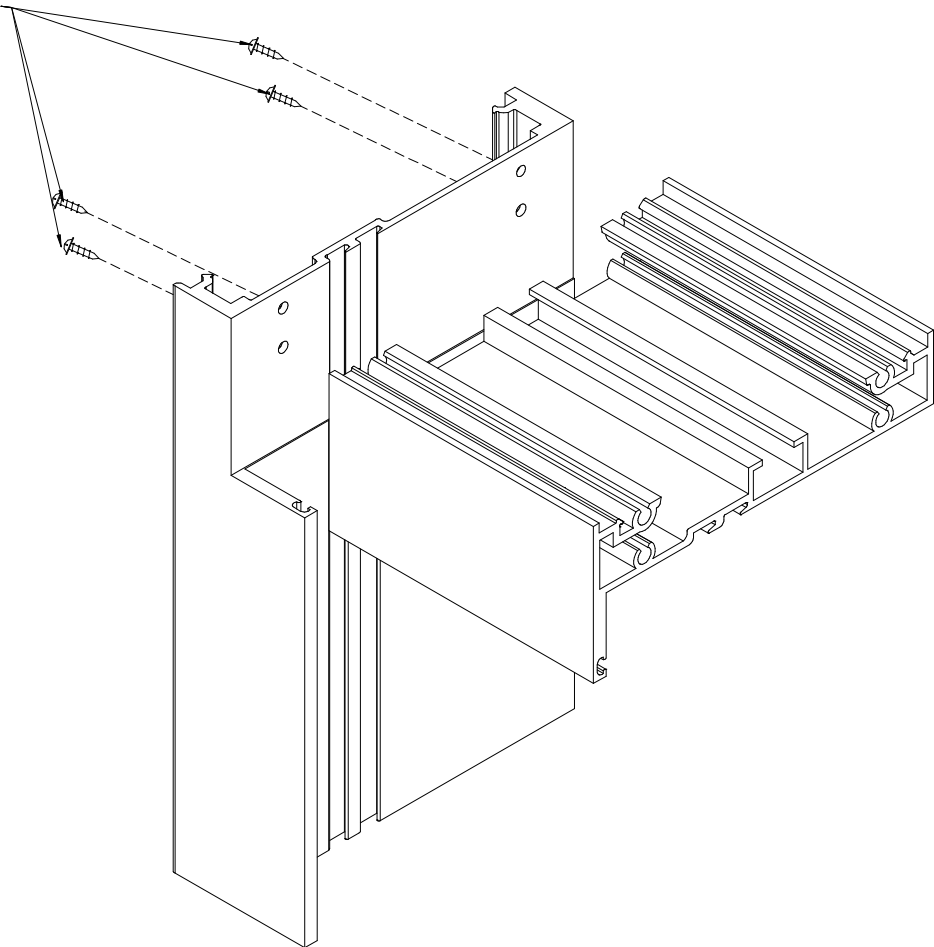
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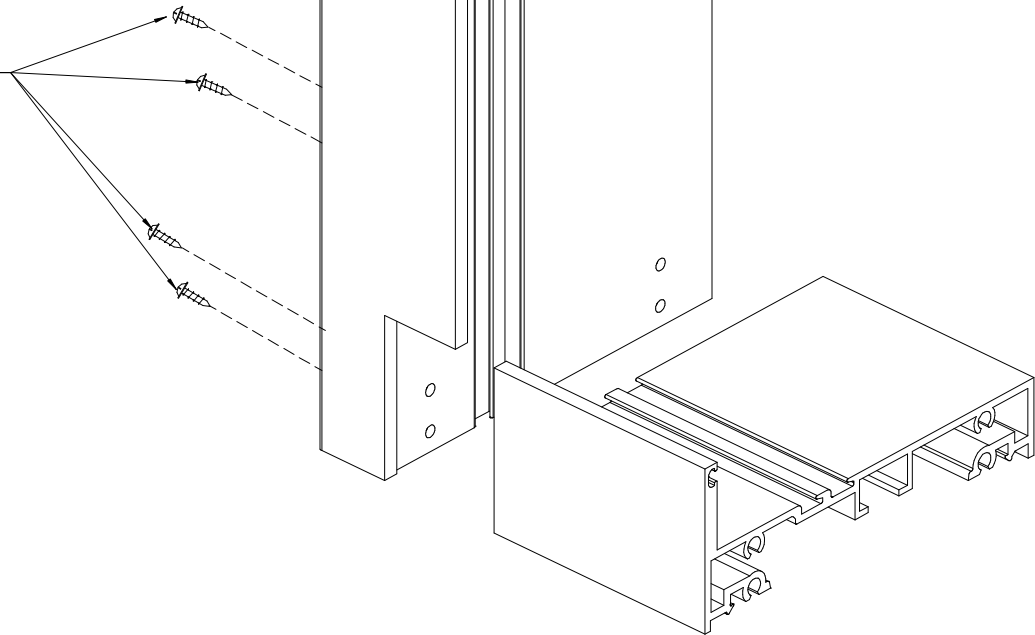
10-21-2025

(4) #8-16 X 1" PHIL. P.H. SCREW



TOP FRAME ASSEMBLY

(4) #8-16 X 1" PHIL. P.H. SCREW



BOTTOM FRAME ASSEMBLY