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Product Approval
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FL #	FL47219	
Application Type	New	
Code Version	2023	
Application Status	Approved	
Comments		
Archived	☐	
Product Manufacturer	Eco Window Systems	
Address/Phone/Email	8502 NW 80th Street Suite 103 Medley, FL 33166 (305) 885-5299 carlos.martinez@ecowindowsystems.com	
Authorized Signature	Carlos Martinez carlos.martinez@ecowindowsystems.com	
Technical Representative		
Address/Phone/Email		
Quality Assurance Representative		
Address/Phone/Email		
Category	Exterior Doors	
Subcategory	Swinging Exterior Door Assemblies	
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ☐ Evaluation Report - Hardcopy Received	
Florida Engineer or Architect Name who developed the Evaluation Report	Javad Ahmad	
Florida License	PE-70592	
Quality Assurance Entity	Keystone Certifications, Inc.	
Quality Assurance Contract Expiration Date	12/31/2032	
Validated By	Ammad Riaz, P.E. ☒ Validation Checklist - Hardcopy Received	
Certificate of Independence	FL47219_R0_COI_Certificate_of_Independence_JA-PE.pdf	
Referenced Standard and Year (of Standard)	<u>Standard</u>	<u>Year</u>
	TAS 201	1994
	TAS 202	1994
	TAS 203	1994
Equivalence of Product Standards Certified By		
Sections from the Code		

Product Approval Method

Method 1 Option D

Date Submitted12/20/2024

Date Validated12/31/2024

Date Pending FBC Approval01/01/2025

Date Approved02/11/2025

Summary of Products

FL #	Model, Number or Name	Description
47219.1	ECO-NOVO Series 675 French Door	Large and Small Missile Impact Resistant French Door and Sidelite
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +70/-70 Other: Please see enclosed documents for product performance information, maximum sizes, anchorage details, anchor type and spacing information.		Installation Instructions FL47219_R0_II ECO-NOVO SERIES 675 FRENCH DOOR-JA-2042-24-SS1.pdf Verified By: Javad Ahmad PE-70592 Created by Independent Third Party: Yes Evaluation Reports FL47219_R0_AE ECO-NOVO Series 675 French Door-PA EVR-SS1.pdf Created by Independent Third Party: Yes

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Next

Contact Us :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

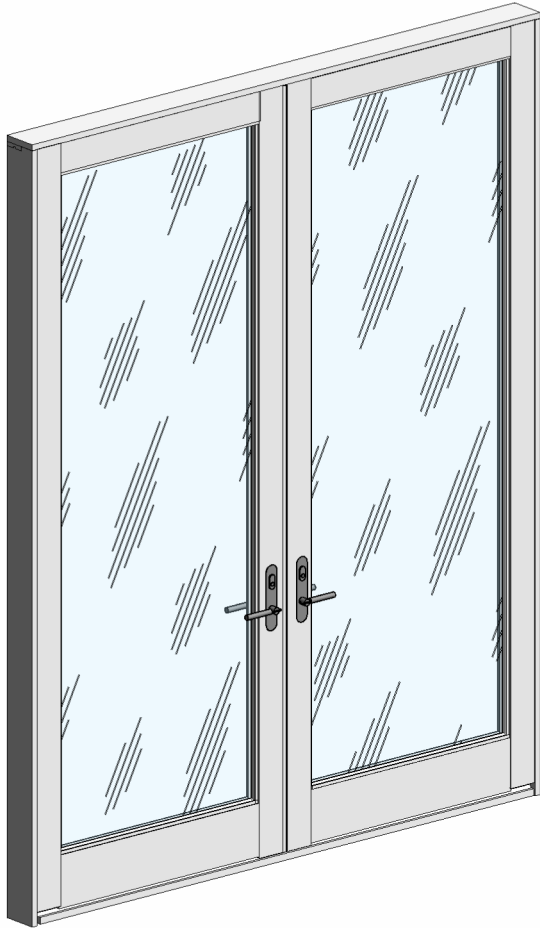
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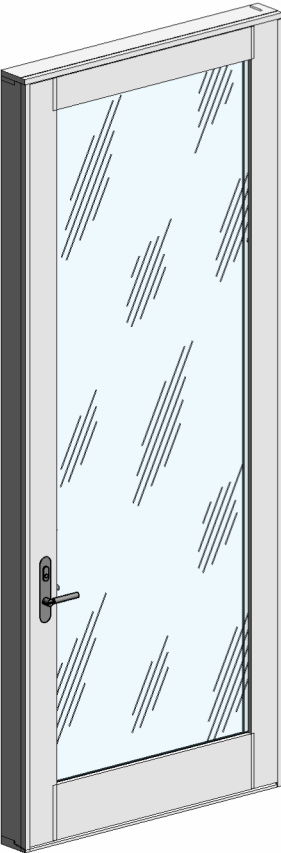
Product Approval Accepts:



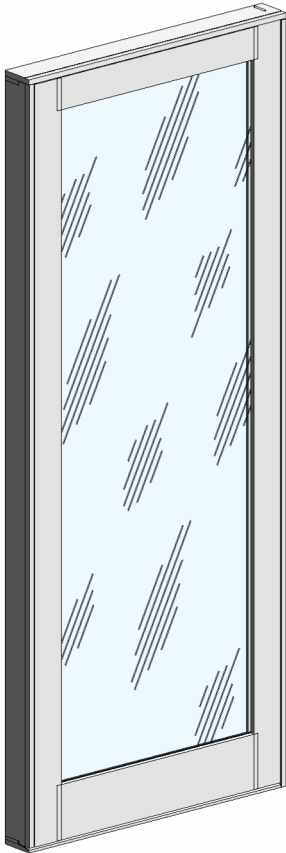
SHEET INDEX	
101	COVER PAGE
102	TYPICAL ELEVATION AND ANCHOR DETAILS
103	GLAZING DETAILS
104	LOADING CHARTS - DOUBLE DOOR
105	LOADING CHARTS - SINGLE DOOR
106	LOADING CHARTS -SIDELITE
107	MULLION CAPACITY CHARTS SIDELITE & DOOR
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DOUBLE DOOR (XX)



SINGLE DOOR (X)



SIDELITE (O)

ECO WINDOW SYSTEMS, LLC
ECO-NOVO SERIES : 675 FRENCH DOOR
(LARGE AND SMALL MISSILE IMPACT RATED)

FL#47219.1



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

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

drawing no.	date:	JA-2042-24	drawn by:	BS	REVISION			
					No.	DATE	BY	DESCRIPTION
					1	12-27-2024	AK	UPDATE AS DBPR COMMENT

GENERAL NOTES

- THIS SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 8TH EDITION (2023), FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ) PER TAS 201 / 202/203
- GLASS CAPACITIES FOUND IN THE CHARTS HEREIN THIS CERTIFICATION ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS)
- DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
- PRESSURES PROVIDED IN THE CERTIFICATION ARE THE BASED ON THE ALLOWABLE STRESS DESIGN METHOD(ASD).
- THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH THE STANDARDS IN NOTE 1 OF THE GENERAL NOTES AND 15 LARGE MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE IMPACT RESISTANT SHUTTERS.
- 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.

- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020 FLORIDA BLDG. CODE & ADOPTED STANDARDS.
- 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.
- WOOD SCREWS REFERENCED IN THIS CERTIFICATION SHALL BE GRADE 2 MIN (Fu = 74,000 PSI).
- 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.
- 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
- 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).

INSTRUCTIONS: (CLICK ON THE BUTTON ON THE RIGHT TO DIRECTLY REACH THE DETAIL)

STEP 1 - WIND PRESSURE CALCULATION (BY OTHERS)-
DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.

STEP 2 SIZE AND CAPACITY SELECTION
SEE SHEET **104** FOR DESIGN LOAD CAPACITY OF DOUBLE DOORS. [CLICK HERE](#)
SEE SHEET **105** FOR DESIGN LOAD CAPACITY OF SINGLE DOORS. [CLICK HERE](#)
SEE SHEET **106** FOR DESIGN LOAD CAPACITY OF SIDELITES. [CLICK HERE](#)
SEE SHEET **107** FOR DESIGN LOAD CAPACITY OF MULLIONS FOR SINGLE AND DOUBLE DOORS WITH SIDELITES [CLICK HERE](#)

SIZE. THIS VALUE SHOULD MEET OR EXCEED THE DESIGN WIND LOAD REQUIREMENT OBTAINED IN STEP 1 ABOVE.

- STEP 3 ANCHOR SELECTION
- SELECT APPROPRIATE ANCHOR FROM SHEET **113**. [CLICK HERE](#)
 - ANCHORAGE DETAILS- FOR VARIOUS SUBSTRATES- SEE SHEET **102** AND **113**. [CLICK HERE](#)

APPROVAL APPLIES TO SINGLE (X) AND DOUBLE (XX) LEAF DOORS WITH OR WITHOUT SIDELITES. SIDE LITES CAN BE ON ONE OF BOTH SIDES OF DOOR.

ECO-NOVO SERIES : 675 FRENCH DOOR

(LARGE AND SMALL MISSILE IMPACT RATED)



ECO WINDOW SYSTEMS, LLC
5802 N.W. 80th St., MEDLEY, FL 33166
TEL: (305) 885-5299 FAX: (305) 885-5902



SEALED: 12/27/2024



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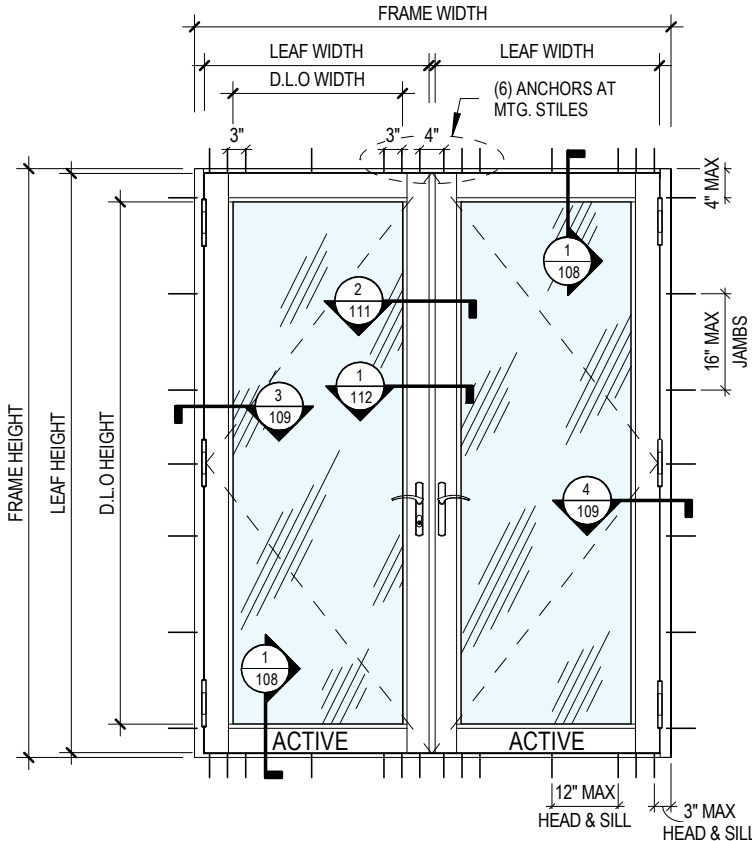
7875 NW 12th St., Suite 102
Doral, FL 33126

Ph: (305) 424-8001

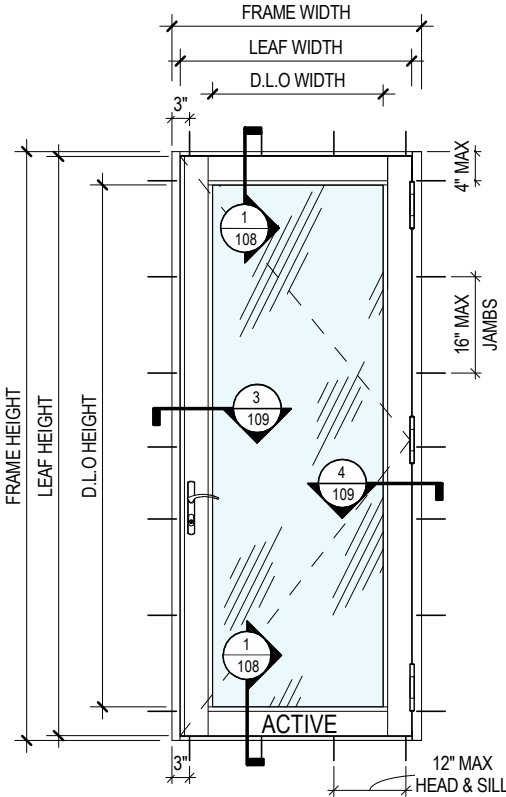
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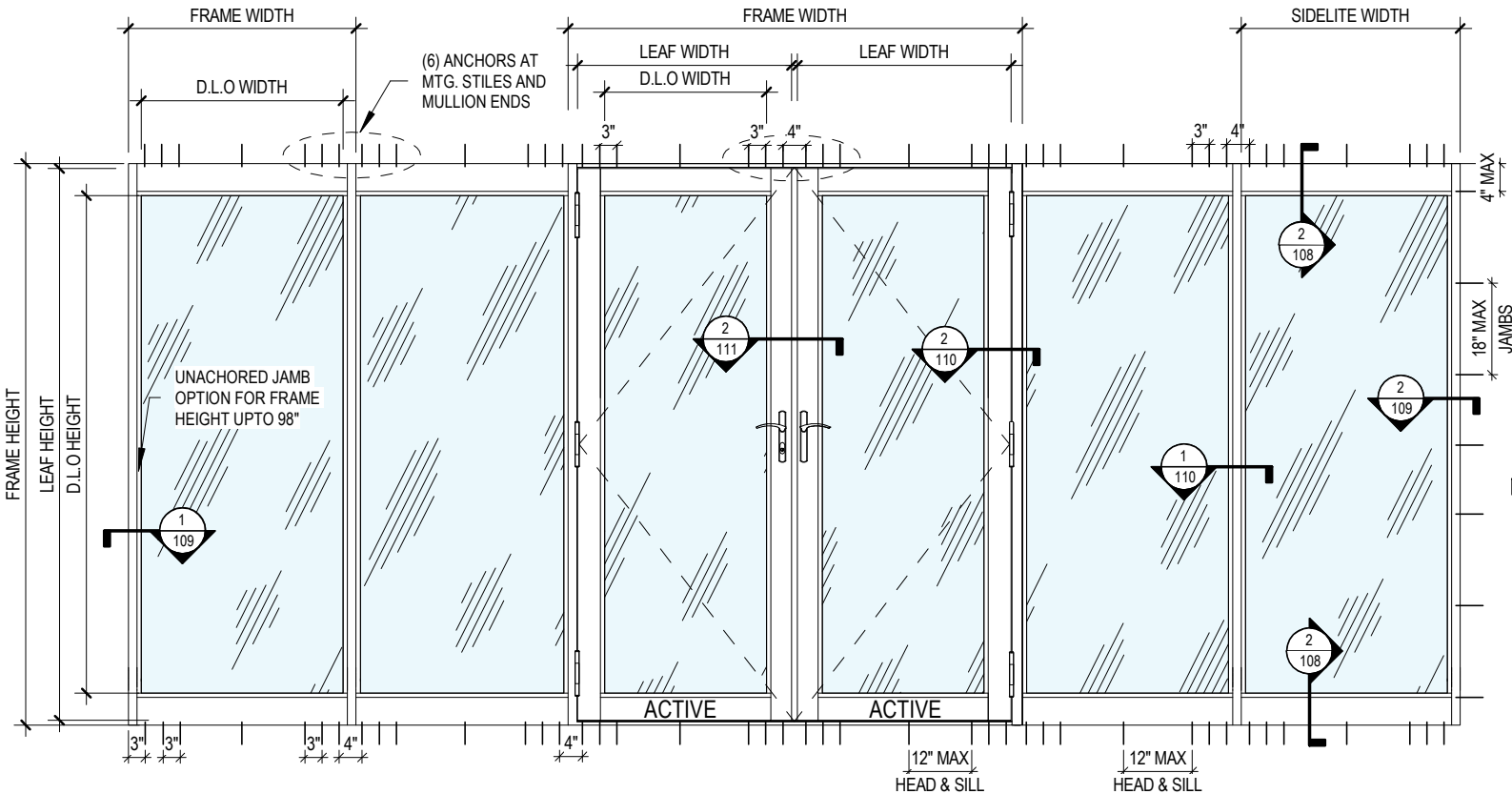
- NOTE:**
- 1. FLUSH BOLTS ARE CONCEALED ON ACTIVE LEAF.
 - 2. ANCHORING SHOWN IS TYPICAL FOR ALL SIDELITE AND DOOR COMBINATIONS.(SEE SHEET FOR OTHER COMBINATIONS) AND ANCHOR TYPE ON SHEET 113
 - 3. FOR LOCK OPTION SEE SHEET
 - 4. (3) HINGE OPTION FOR DOOR HEIGHT UPTO 98"
(4) HINGE FOR DOOR HEIGHT 98" TO 120".
 - 5. SEE TABLE ON SHEET 104 & 105 FOR DOOR CAPACITIES
 - 6. SEE TABLE ON SHEET 106 FOR SIDELITE CAPACITIES.
 - 7. SEE TABLE ON SHEET 107 FOR SIDELITE- SIDELITE & SIDELITE-DOOR MULLION CAPACITIES.



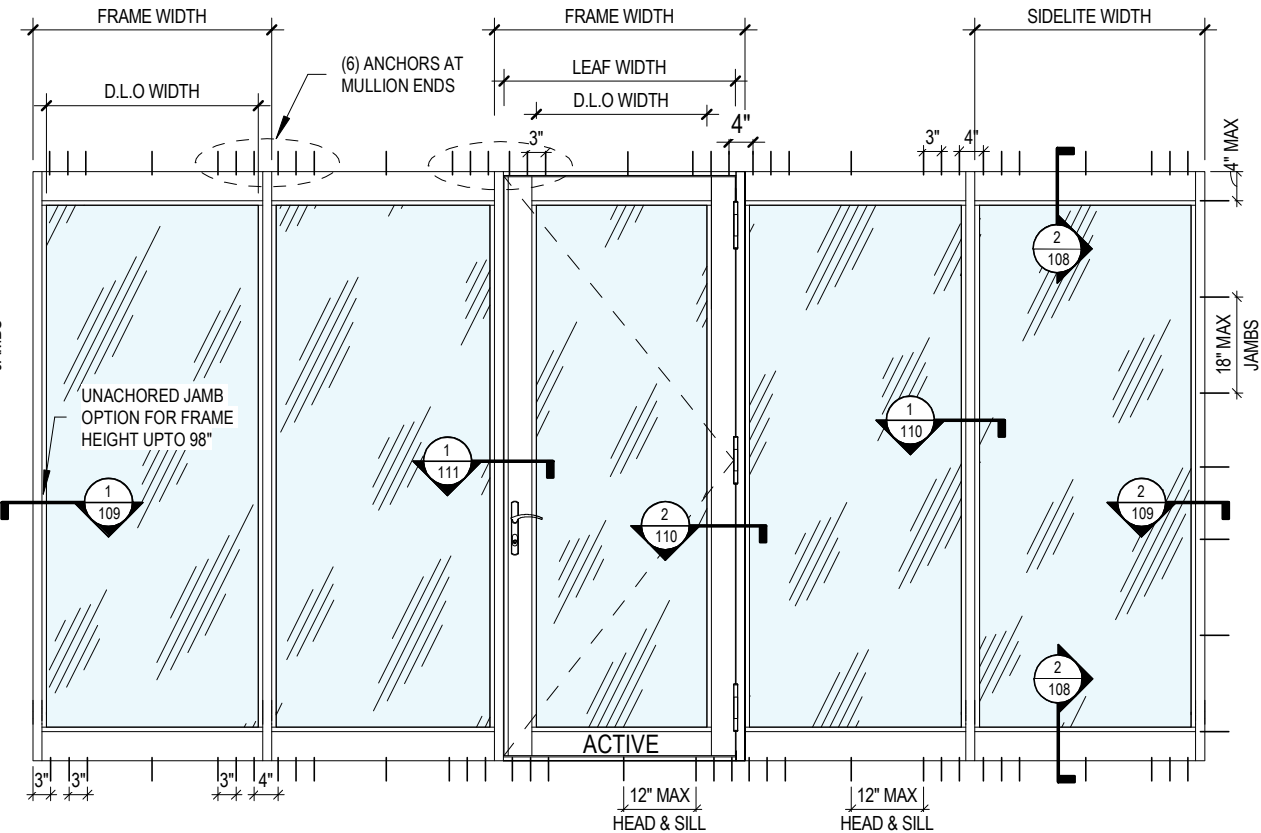
(XX)
OPTION



(X)
OPTION



(OOXXOO)
OPTION



(OOXOO)
OPTION

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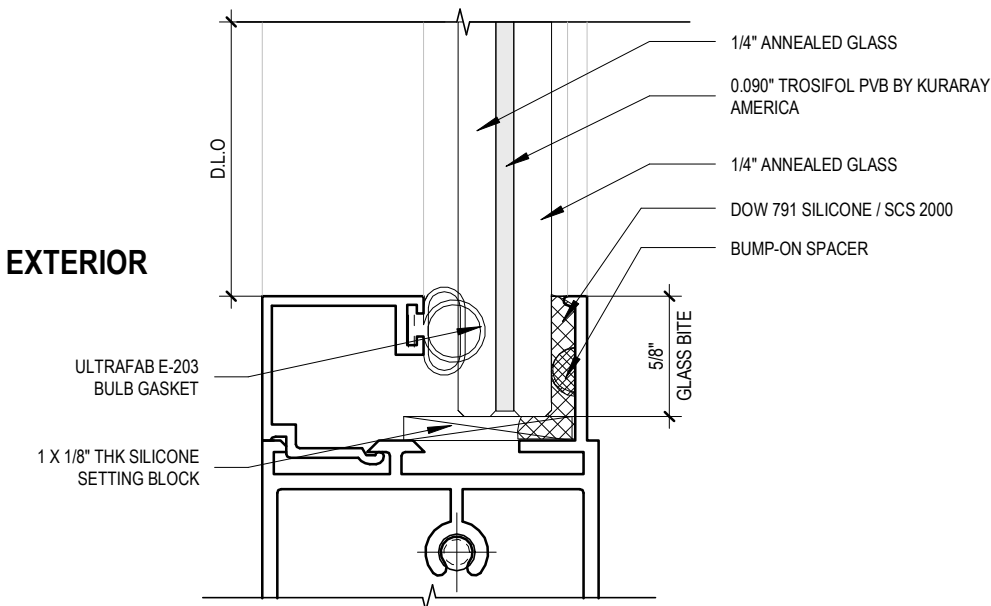
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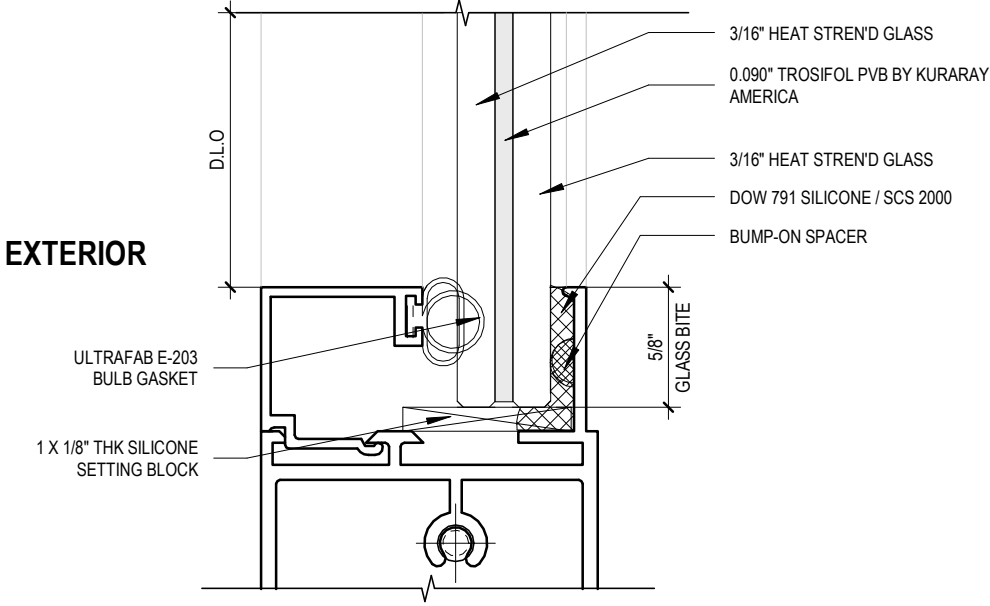
ECO WINDOW SYSTEMS, LLC
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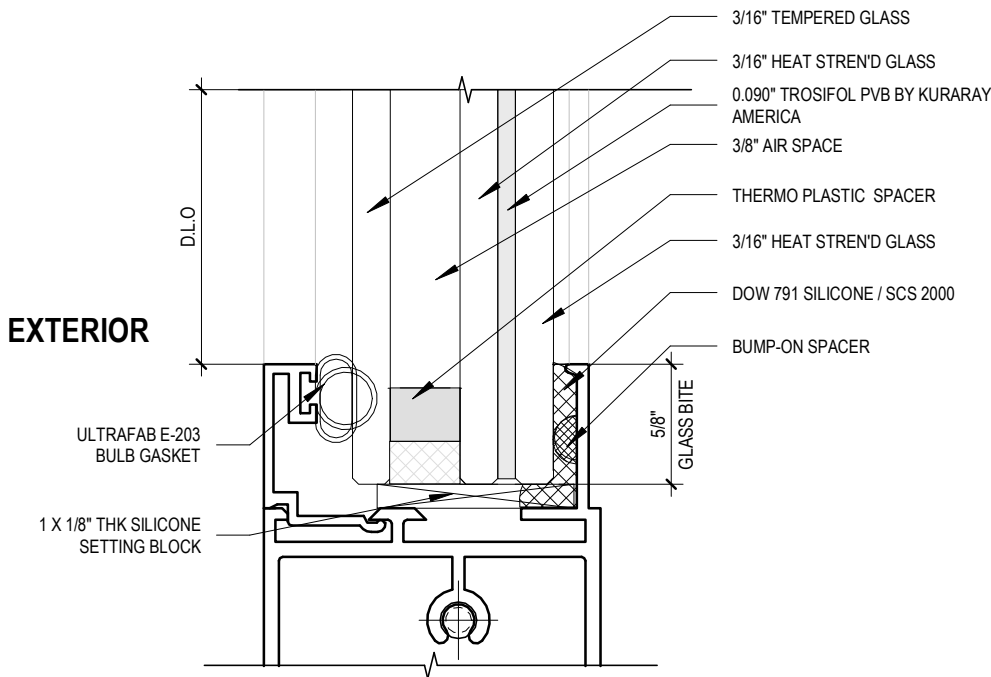
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1
103 GLAZING DETAIL (GL-1)
12" = 1'-0"



2
103 GLAZING DETAIL (GL-2)
12" = 1'-0"



3
103 GLAZING DETAIL (GL-3)
12" = 1'-0"

NOTE:
1. SEE TABLE ON SHEET FOR GLASS CAPACITIES.



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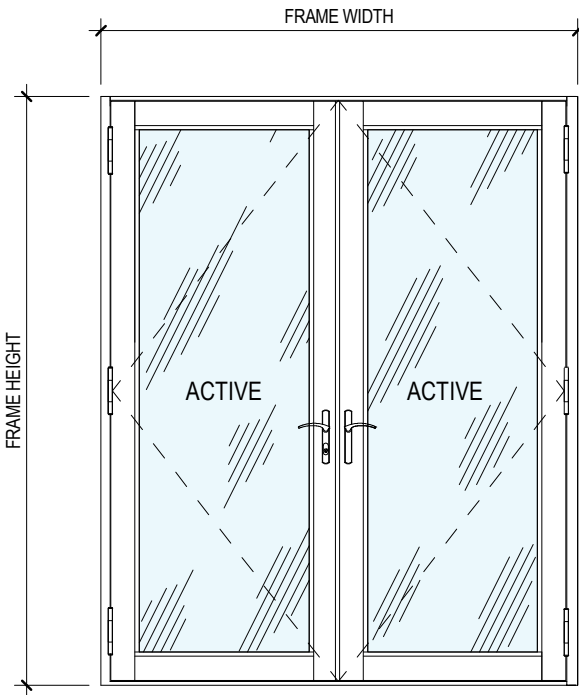
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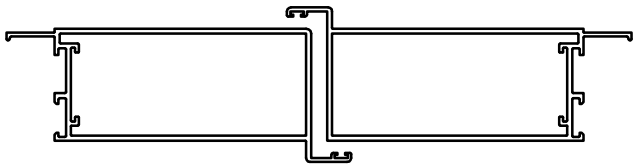
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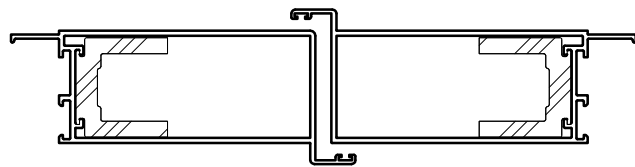
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OPTION "X X"



AST.2



AST.2R

DESIGN LOAD CAPACITY OF DOUBLE DOOR - PSF (GLASS, ASTRAGAL AND HARDWARE OPTIONS)															
FRAME HEIGHT INCHES	FRAME WIDTH INCHES	GLASS TYPES						ASTRAGAL				LOCKS			
		GL-1		GL-2		GL-3		AST.2(STANDARD)		AST.2R(REINFORCE D)		OPTION '1'		OPTION '2'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
120	79	55	55	55	55	55	55	-	-	55	55	-	-	55	55
116		58	58	58	58	58	58	-	-	58	58	-	-	58	58
110		61	61	61	61	61	61	-	-	61	61	-	-	61	61
104		64	64	64	64	64	64	-	-	64	64	-	-	64	64
98		70	70	70	70	70	70	70	70	70	70	70	70	70	70
92		70	70	70	70	70	70	70	70	70	70	70	70	70	70
86		70	70	70	70	70	70	70	70	70	70	70	70	70	70
80		70	70	70	70	70	70	70	70	70	70	70	70	70	70
120	75	55	55	55	55	55	55	-	-	55	55	-	-	55	55
116		58	58	58	58	58	58	-	-	58	58	-	-	58	58
110		61	61	61	61	61	61	-	-	61	61	-	-	61	61
104		64	64	64	64	64	64	-	-	64	64	-	-	64	64
98		70	70	70	70	70	70	70	70	70	70	70	70	70	70
92		70	70	70	70	70	70	70	70	70	70	70	70	70	70
86		70	70	70	70	70	70	70	70	70	70	70	70	70	70
80		70	70	70	70	70	70	70	70	70	70	70	70	70	70
120	71	55	55	55	55	55	55	-	-	55	55	-	-	55	55
116		58	58	58	58	58	58	-	-	58	58	-	-	58	58
110		61	61	61	61	61	61	-	-	61	61	-	-	61	61
104		64	64	64	64	64	64	-	-	64	64	-	-	64	64
98		70	70	70	70	70	70	70	70	70	70	70	70	70	70
92		70	70	70	70	70	70	70	70	70	70	70	70	70	70
86		70	70	70	70	70	70	70	70	70	70	70	70	70	70
80		70	70	70	70	70	70	70	70	70	70	70	70	70	70
120	67	55	55	55	55	55	55	-	-	55	55	-	-	55	55
116		58	58	58	58	58	58	-	-	58	58	-	-	58	58
110		61	61	61	61	61	61	-	-	61	61	-	-	61	61
104		64	64	64	64	64	64	-	-	64	64	-	-	64	64
98		70	70	70	70	70	70	70	70	70	70	70	70	70	70
92		70	70	70	70	70	70	70	70	70	70	70	70	70	70
86		70	70	70	70	70	70	70	70	70	70	70	70	70	70
80		70	70	70	70	70	70	70	70	70	70	70	70	70	70

D.L OPENINGS:

D.L.O. HEIGHT = FRAME HEIGHT - 11.125"
(FOR 'X' & 'XX' CONFIGURATION)
D.L.O. WIDTH = LEAF WIDTH - 9.5" (FOR 'X' & 'XX' CONFIGURATION)

NOTE:

1. LOWEST VALUE FROM OPTIONS AVAILABLE IN CHARTS WILL APPLY TO SYSTEM.
2. DOOR WIDTH AND HEIGHT MUST COMPLY WITH EGRESS REQUIREMENTS PER FBC WHERE REQUIRED.
3. FOR ASTRAGAL DETAILS REFER TO SHEET

LOCKING HARDWARE:

OPTION '1':

CONCEALED FLUSH BOLTS BY 'SULLIVAN & ASSOC.'
MANUALLY OPERATED LEVERS MOUNTED ON STILE FACE, LOCATED AT 12" FROM TOP AND BOTTOM FASTENED TO LOCK STILE WITH #8 X3/4" FH SMS (2) SCREWS PER BOLT

OPTION '2':

3 POINT LOCK SYSTEM BY 'INTERLOCK USA INC.' AT 39" FROM BOTTOM HANDLE ACTIVATES DEAD BOLT AND SHOOT BOLTS ENGAGING AT HEAD AND SILL
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR FASTENED TO ACTIVE LEAF LOCK STILE WITH (2) #8-32 X 2" OH MS

HINGES:

OPTION '1' (FOR DOOR HEIGHT UPTO 98")

(3) ALUMINIUM HINGES PER LEAF AT 5" FROM TOP & BOTTOM AND AT MIDSPAN
FASTENED TO DOOR FRAME AND LEAF WITH #10 X 1" FH SMS
(6) SCREWS AT FRAME, (5) SCREWS AT LEAF
OPTION '2': (FOR DOOR HEIGHT 98" TO 120")

(4) ALUMINIUM HINGES PER LEAF AT 5" FROM TOP & BOTTOM AND EQUIDISTANCE THEREAFTER
FASTENED TO DOOR FRAME AND LEAF WITH #10 X 1" FH SMS
(6) SCREWS AT FRAME, (5) SCREWS AT LEAF



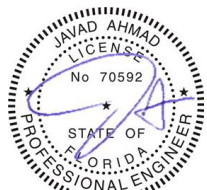
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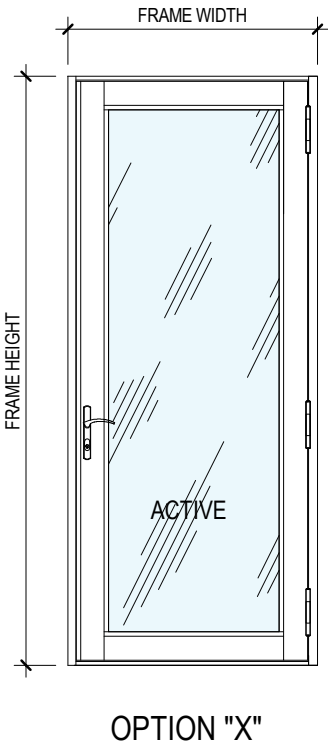
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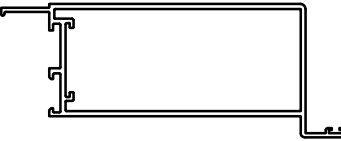
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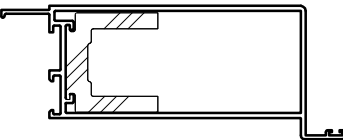
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DESIGN LOAD CAPACITY OF SINGLE DOOR - PSF (GLASS AND HARDWARE OPTIONS)															
FRAME HEIGHT INCHES	FRAME WIDTH INCHES	GLASS TYPES						ASTRAGAL				LOCKS			
		GL-1		GL-2		GL-3		AST.1(STANDARD)		AST.1R(REINFORCED)		OPTION '1'		OPTION '2'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
120	41-1/4	55	55	55	55	55	55	-	-	55	55	-	-	55	55
116		58	58	58	58	58	58	-	-	58	58	-	-	58	58
110		61	61	61	61	61	61	-	-	61	61	-	-	61	61
104		64	64	64	64	64	64	-	-	64	64	-	-	64	64
98		70	70	70	70	70	70	70	70	70	70	70	70	70	70
92		70	70	70	70	70	70	70	70	70	70	70	70	70	70
86		70	70	70	70	70	70	70	70	70	70	70	70	70	70
80		70	70	70	70	70	70	70	70	70	70	70	70	70	70
120	37	55	55	55	55	55	55	-	-	55	55	-	-	55	55
116		58	58	58	58	58	58	-	-	58	58	-	-	58	58
110		61	61	61	61	61	61	-	-	61	61	-	-	61	61
104		64	64	64	64	64	64	-	-	64	64	-	-	64	64
98		70	70	70	70	70	70	70	70	70	70	70	70	70	70
92		70	70	70	70	70	70	70	70	70	70	70	70	70	70
86		70	70	70	70	70	70	70	70	70	70	70	70	70	70
80		70	70	70	70	70	70	70	70	70	70	70	70	70	70
120	33	55	55	55	55	55	55	-	-	55	55	-	-	55	55
116		58	58	58	58	58	58	-	-	58	58	-	-	58	58
110		61	61	61	61	61	61	-	-	61	61	-	-	61	61
104		64	64	64	64	64	64	-	-	64	64	-	-	64	64
98		70	70	70	70	70	70	70	70	70	70	70	70	70	70
92		70	70	70	70	70	70	70	70	70	70	70	70	70	70
86		70	70	70	70	70	70	70	70	70	70	70	70	70	70
80		70	70	70	70	70	70	70	70	70	70	70	70	70	70



AST.1



AST.1R

D.L OPENINGS:

D.L.O. HEIGHT = FRAME HEIGHT - 11.125" (FOR 'X' & 'XX' CONFIGURATION)
D.L.O. WIDTH = LEAF WIDTH - 9.5" (FOR 'X' & 'XX' CONFIGURATION)

NOTE:

1. LOWEST VALUE FROM OPTIONS AVAILABLE IN CHARTS WILL APPLY TO SYSTEM.
2. DOOR WIDTH AND HEIGHT MUST COMPLY WITH EGRESS REQUIREMENTS PER FBC WHERE REQUIRED.
3. FOR ASTRAGAL DETAILS REFER TO SHEET

LOCKING HARDWARE:

OPTION '1':

CONCEALED FLUSH BOLTS BY 'SULLIVAN & ASSOC.' MANUALLY OPERATED LEVERS MOUNTED ON STILE FACE, LOCATED AT 12" FROM TOP AND BOTTOM FASTENED TO LOCK STILE WITH #8 X3/4" FH SMS (2) SCREWS PER BOLT

OPTION '2':

3 POINT LOCK SYSTEM BY 'INTERLOCK USA INC.' AT 39" FROM BOTTOM HANDLE ACTIVATES DEAD BOLT AND SHOOT BOLTS ENGAGING AT HEAD AND SILL
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR FASTENED TO ACTIVE LEAF LOCK STILE WITH (2) #8-32 X 2" OH MS

HINGES:

OPTION '1' (FOR DOOR HEIGHT UPTO 98")

(3) ALUMINIUM HINGES PER LEAF AT 5" FROM TOP & BOTTOM AND AT MIDSPAN
FASTENED TO DOOR FRAME AND LEAF WITH #10 X 1" FH SMS
(6) SCREWS AT FRAME, (5) SCREWS AT LEAF

OPTION '2': (FOR DOOR HEIGHT 98" TO 120")

(4) ALUMINIUM HINGES PER LEAF AT 5" FROM TOP & BOTTOM AND EQUIDISTANCE THEREAFTER
FASTENED TO DOOR FRAME AND LEAF WITH #10 X 1" FH SMS
(6) SCREWS AT FRAME, (5) SCREWS AT LEAF



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DATE	12-27-2024	DESCRIPTION	UPDATE AS PER DBPR COMMENT
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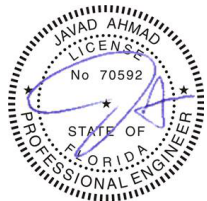
ECO-NOVO SERIES : 675 FRENCH DOOR

(LARGE AND SMALL MISSILE IMPACT RATED)

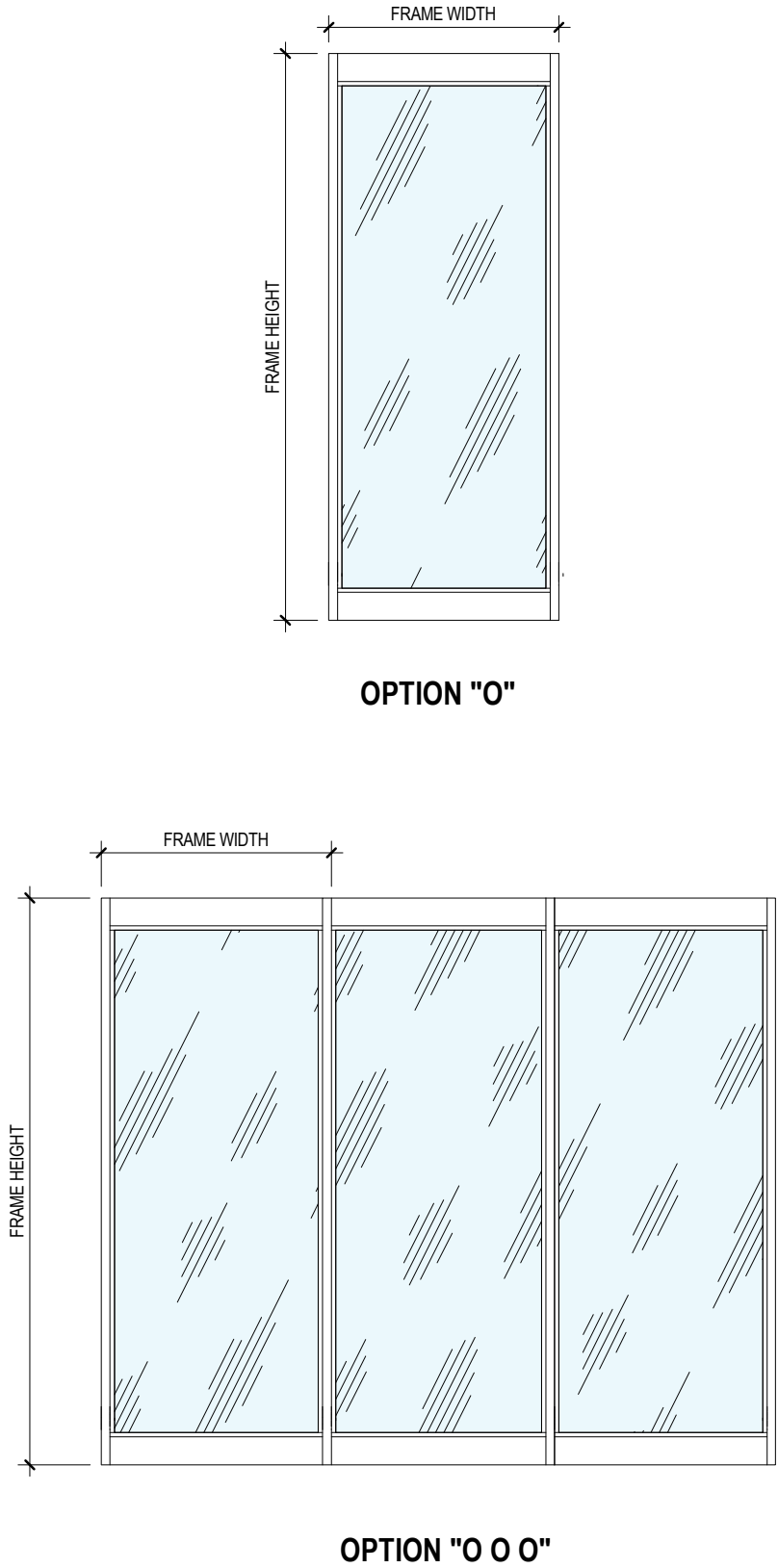
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OPTION "O"

OPTION "O O O"

D.L OPENINGS:

D.L.O. HEIGHT = FRAME HEIGHT - 11.125" (FOR ALL 'O' CONFIGURATION)
D.L.O. WIDTH = FRAME WIDTH - 4.785" (FOR ALL 'O' CONFIGURATION)

DESIGN LOAD CAPACITY OF SIDELITE - PSF (GLASS)							
FRAME HEIGHT INCHES	FRAME WIDTH INCHES	GLASS TYPES					
		GL-1		GL-2		GL-3	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
120	40	55	55	55	55	55	55
116		58	58	58	58	58	58
110		61	61	61	61	61	61
104		64	64	64	64	64	64
98		70	70	70	70	70	70
92		70	70	70	70	70	70
86		70	70	70	70	70	70
80		70	70	70	70	70	70
120	36	55	55	55	55	55	55
116		58	58	58	58	58	58
110		61	61	61	61	61	61
104		64	64	64	64	64	64
98		70	70	70	70	70	70
92		70	70	70	70	70	70
86		70	70	70	70	70	70
80		70	70	70	70	70	70
120	32	55	55	55	55	55	55
116		58	58	58	58	58	58
110		61	61	61	61	61	61
104		64	64	64	64	64	64
98		70	70	70	70	70	70
92		70	70	70	70	70	70
86		70	70	70	70	70	70
80		70	70	70	70	70	70



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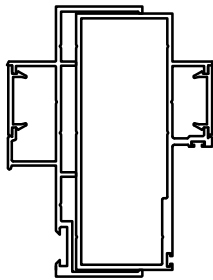
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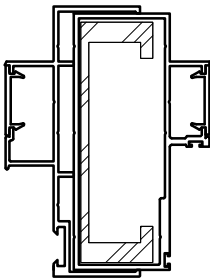
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MULLION CAPACITY CHARTS SIDELITE & DOOR

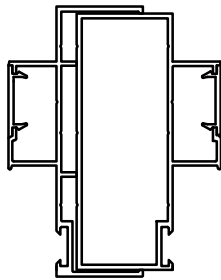
DESIGN LOAD CAPACITY - PSF (MULLIONS)									
FRAME HEIGHT (IN.)	SIDELITE WIDTH (IN.)	DOOR TO SIDELITE MULLION				SIDELITE TO SIDELITE MULLION			
		M1		M1A		M2		M2A	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
120	40	-	-	55	55	-	-	-	-
116		-	-	58	58	-	-	-	-
110		-	-	61	61	-	-	-	-
104		-	-	64	64	-	-	-	-
98		-	-	70	70	-	-	-	-
92		-	-	73	73	-	-	-	-
86		-	-	76	76	-	-	-	-
80		-	-	79	79	-	-	-	-
120	38	-	-	55	55	-	-	-	-
116		-	-	58	58	-	-	-	-
110		-	-	61	61	-	-	-	-
104		-	-	64	64	-	-	-	-
98		-	-	70	70	70	70	70	70
92		-	-	73	73	70	70	70	70
86		-	-	76	76	70	70	70	70
80		-	-	79	79	70	70	70	70
120	36	-	-	55	55	-	-	50	60
116		-	-	58	58	-	-	50	60
110		-	-	61	61	-	-	50	60
104		-	-	64	64	-	-	50	60
98		60	60	70	70	70	70	70	70
92		60	60	73	73	70	70	70	70
86		60	60	76	76	70	70	70	70
80		60	60	79	79	70	70	70	70
120	34	-	-	55	55	-	-	50	60
116		-	-	58	58	-	-	50	60
110		-	-	61	61	-	-	50	60
104		-	-	64	64	-	-	50	60
98		60	60	70	70	70	70	70	70
92		60	60	73	73	70	70	70	70
86		60	60	76	76	70	70	70	70
80		60	60	79	79	70	70	70	70
120	32	-	-	55	55	-	-	50	60
116		-	-	58	58	-	-	50	60
110		-	-	61	61	-	-	50	60
104		-	-	64	64	-	-	50	60
98		60	60	70	70	70	70	70	70
92		60	60	73	73	70	70	70	70
86		60	60	76	76	70	70	70	70
80		60	60	79	79	70	70	70	70



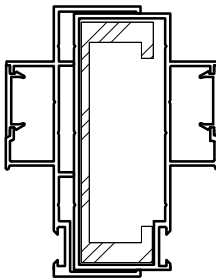
DOOR
TRANSITION
MULLION: M1



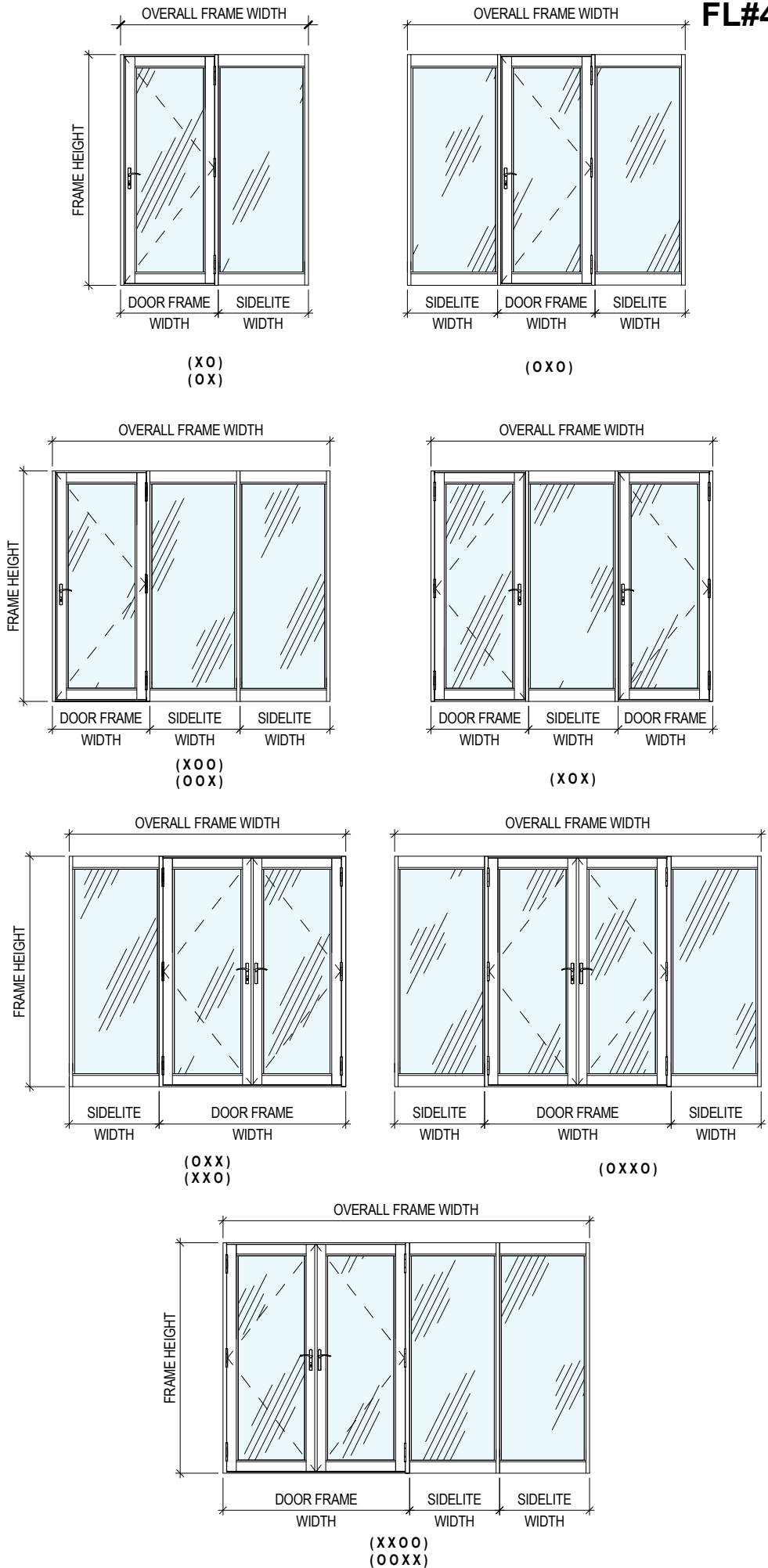
DOOR
TRANSITION
MULLION: M1A



SIDELITE
TRANSITION
MULLION: M2



SIDELITE
TRANSITION
MULLION: M2A



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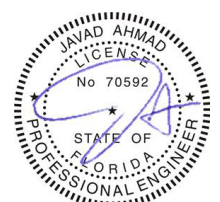
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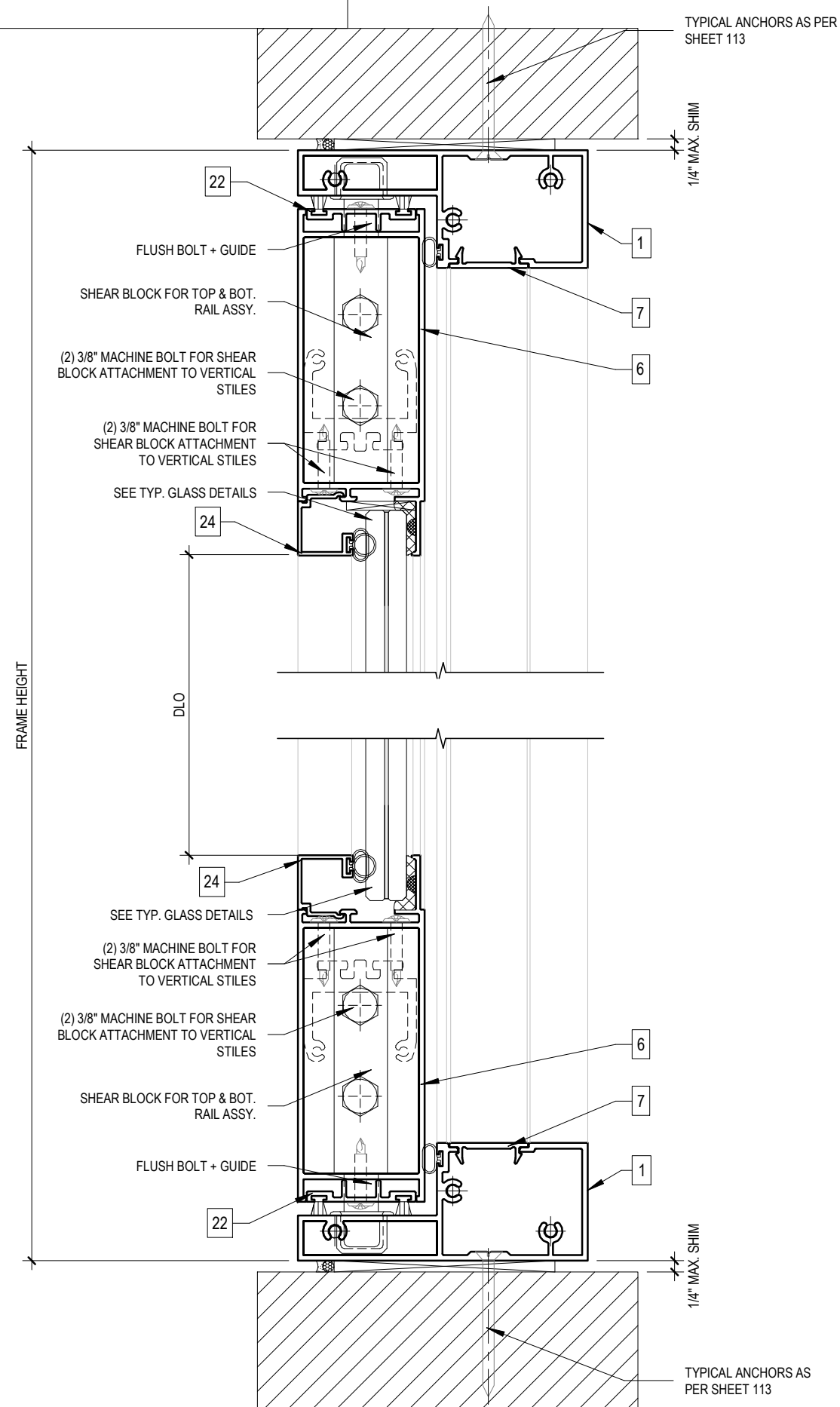
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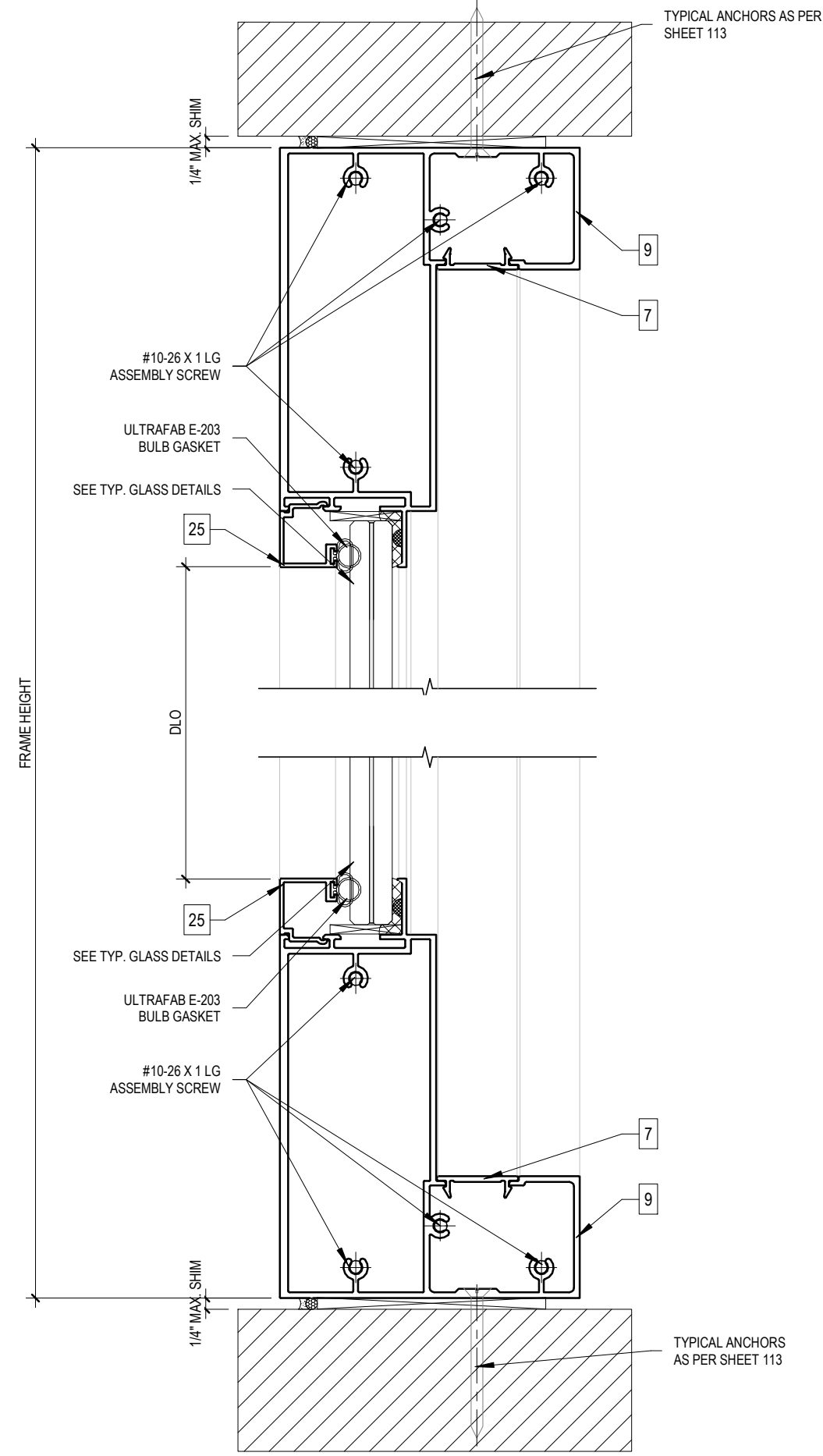
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108

108 OF 117



DOOR HEAD/SILL
6" = 1'-0"



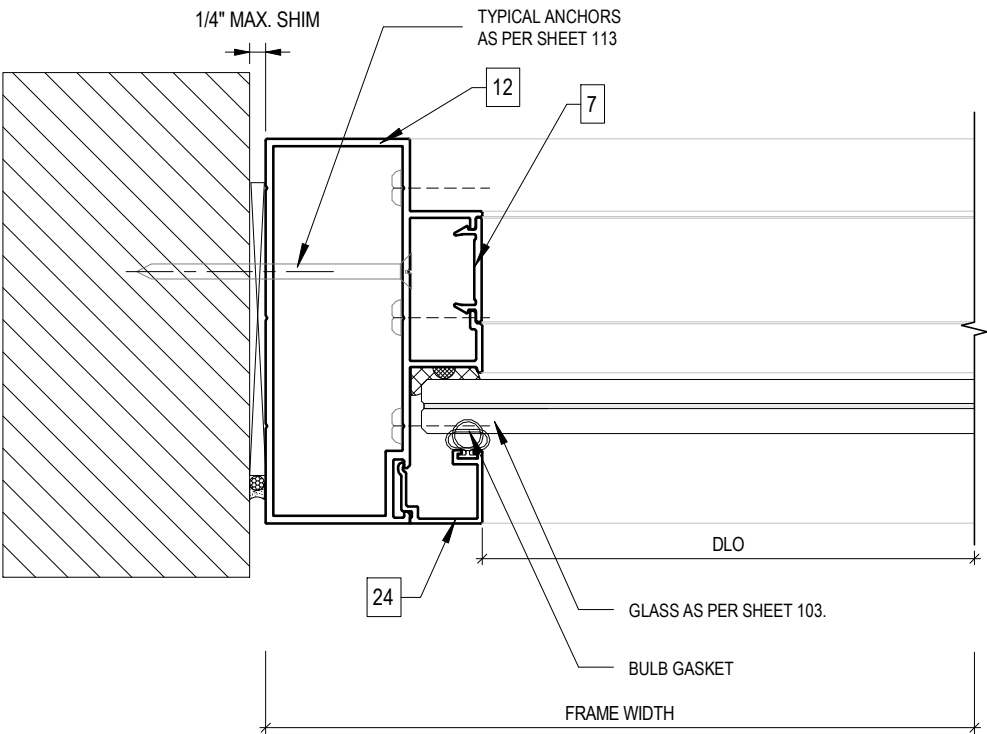
2
108

SIDELITE HEAD/SILL DETAIL

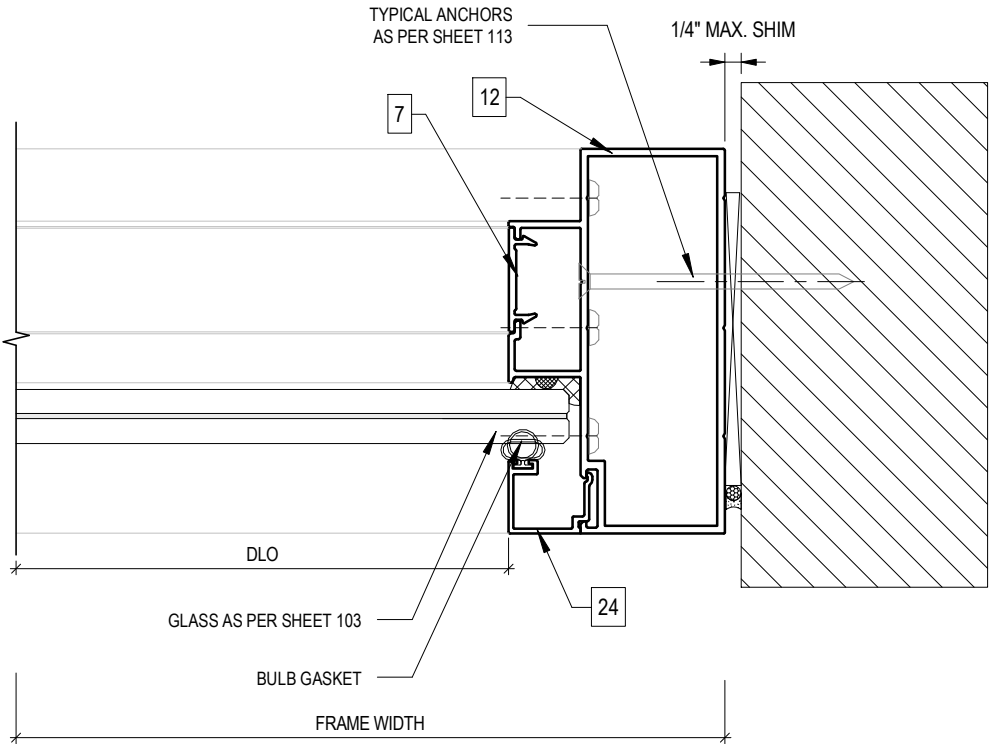
6" = 1'-0"

SECTIONAL DETAILS

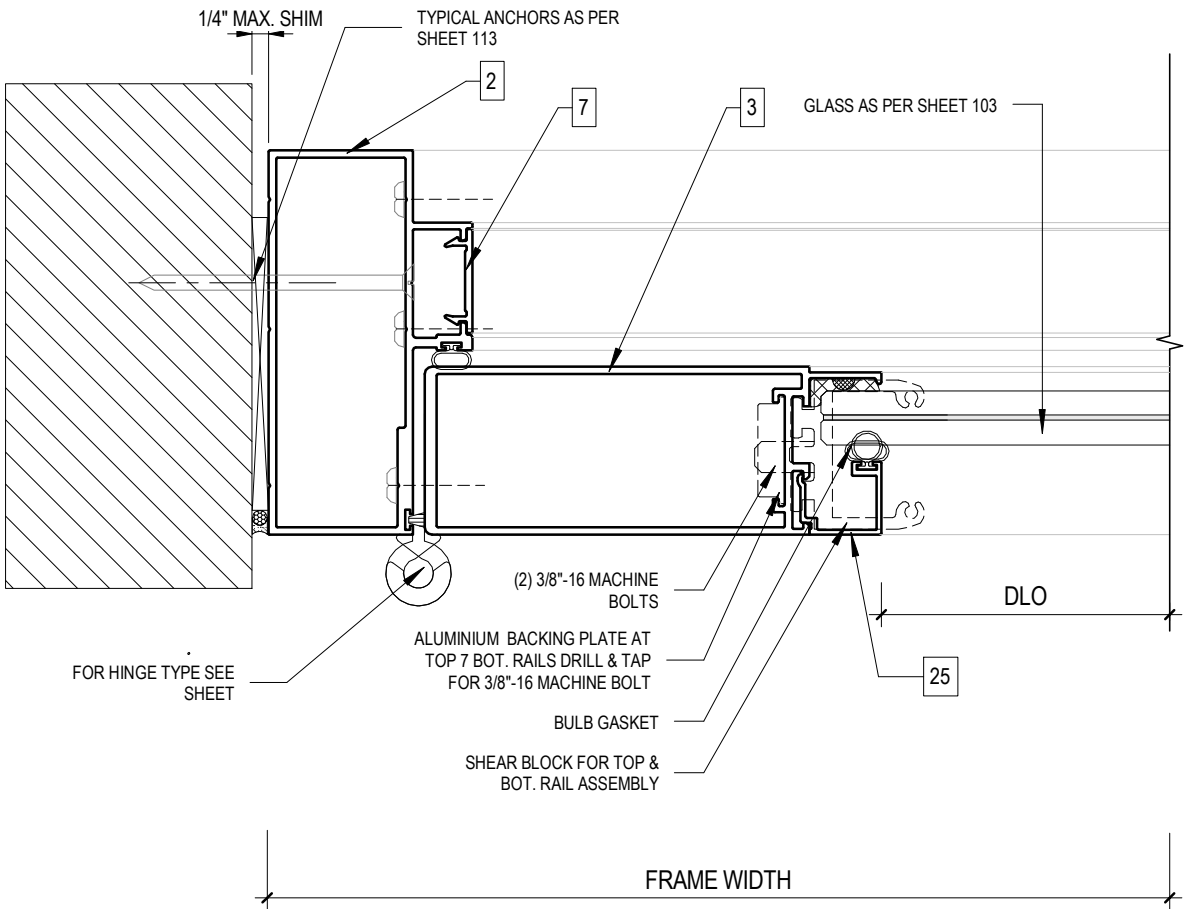
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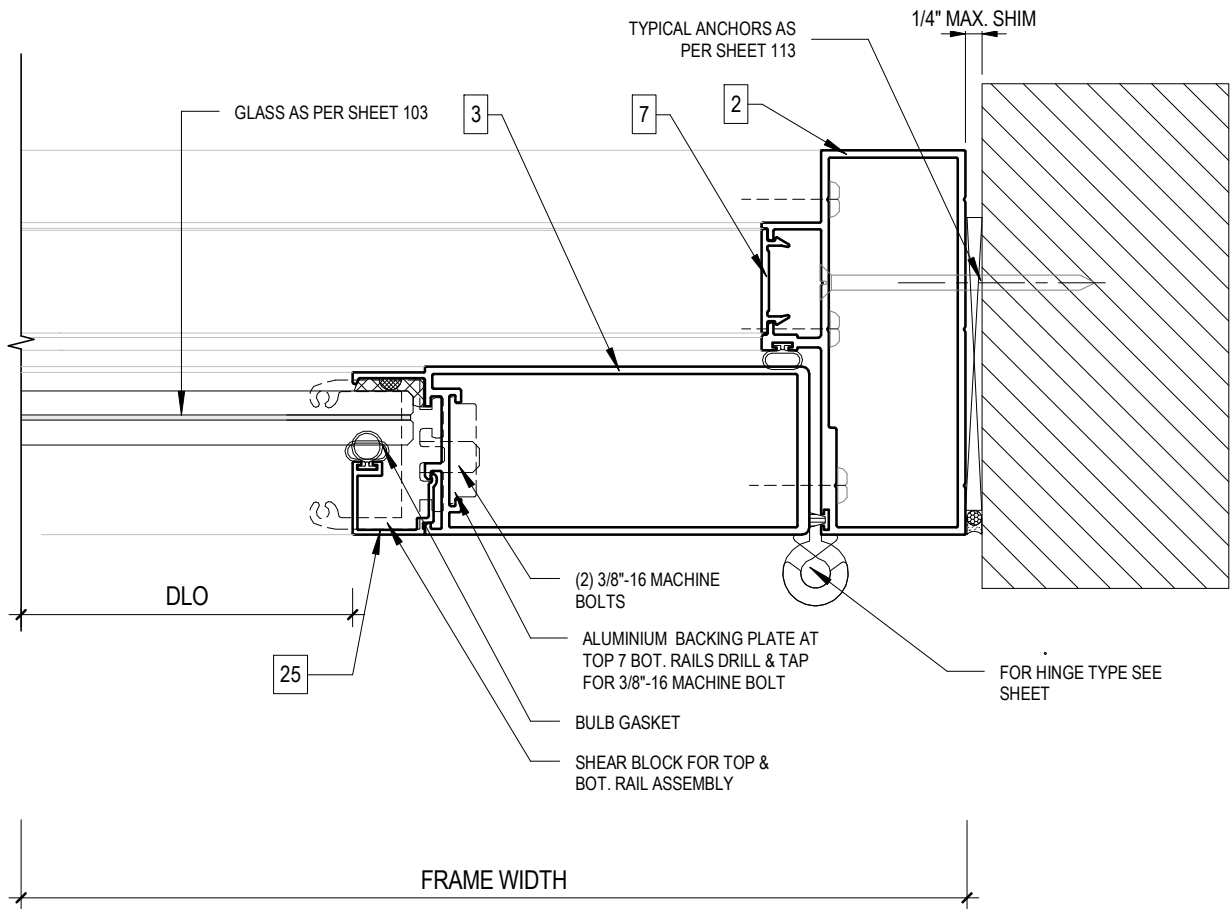
1
109 SIDELITE JAMB DETAIL 1
6" = 1'-0"



2
109 SIDELITE JAMB DETAIL 2
6" = 1'-0"



3
109 DOOR HINGED JAMB DETAIL 1
6" = 1'-0"



4
109 DOOR HINGED JAMB DETAIL 2
6" = 1'-0"



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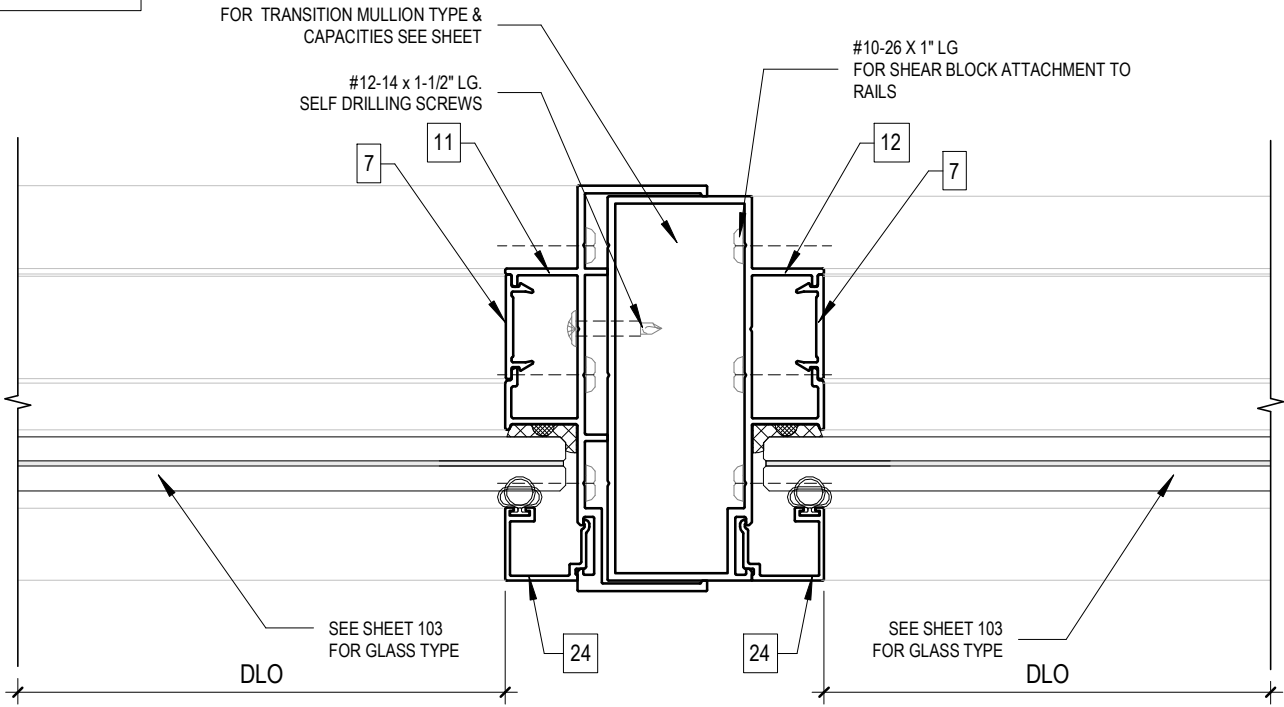
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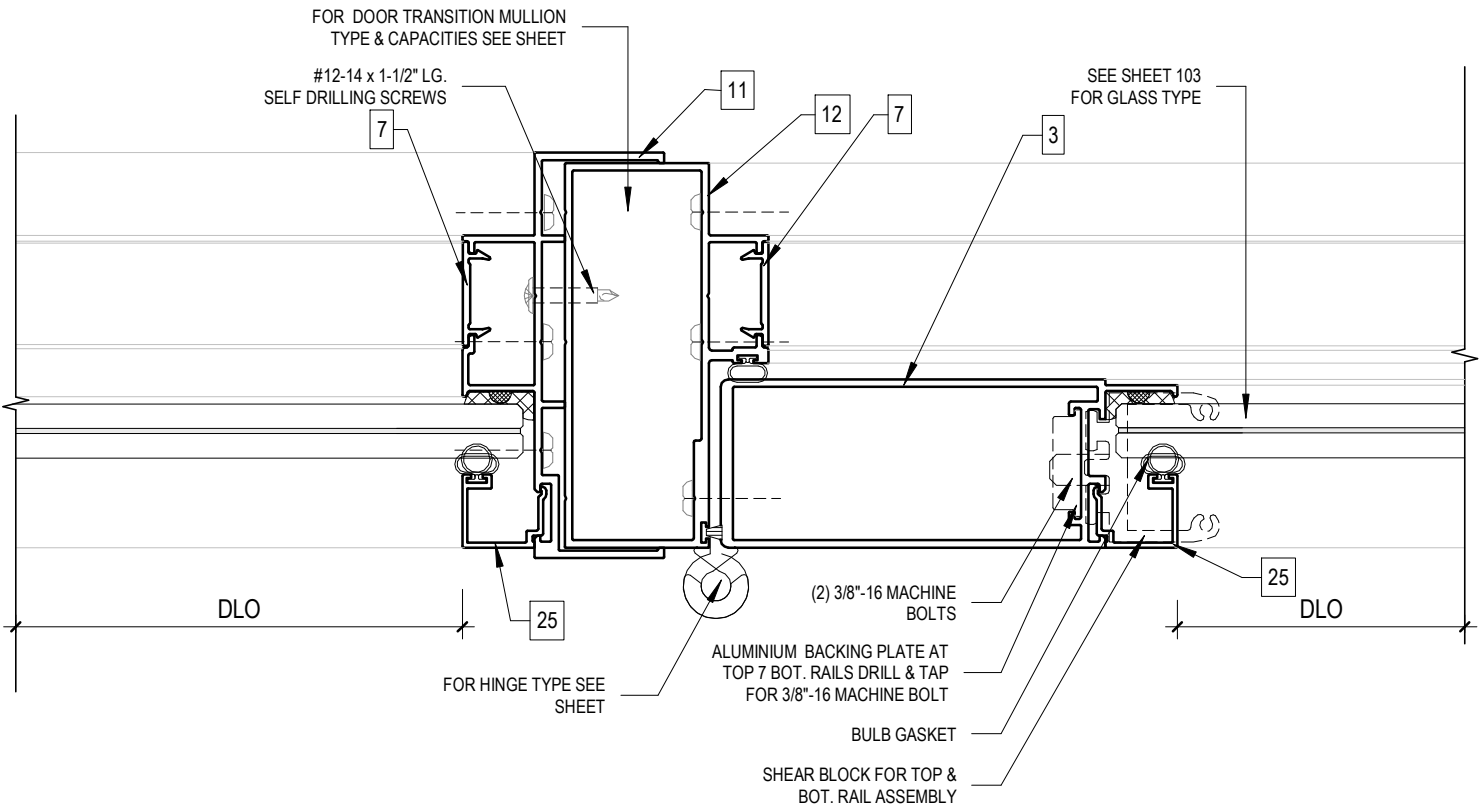
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1
110
SIDELITE TRANSITION MULLION DETAIL
6" = 1'-0"



2
110
DOOR TRANSITION MULLION DETAIL
6" = 1'-0"



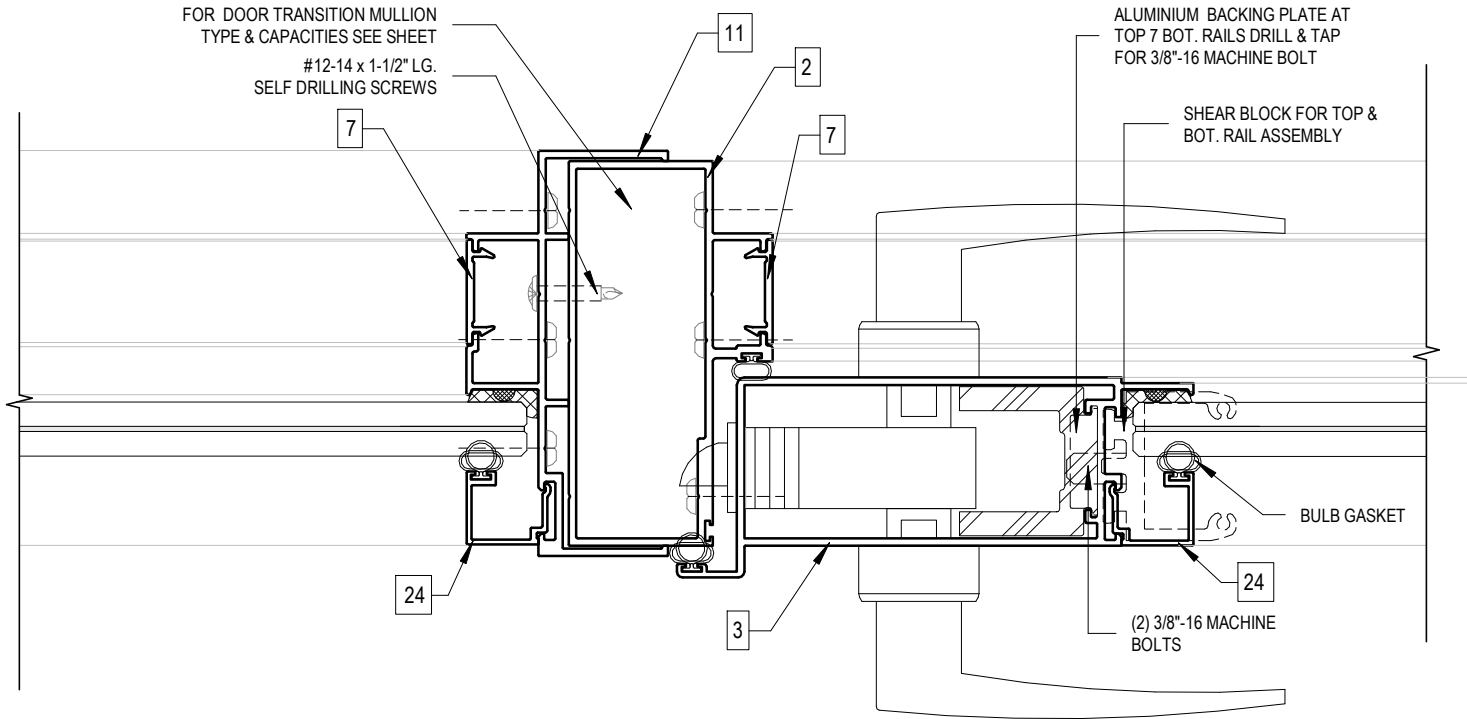
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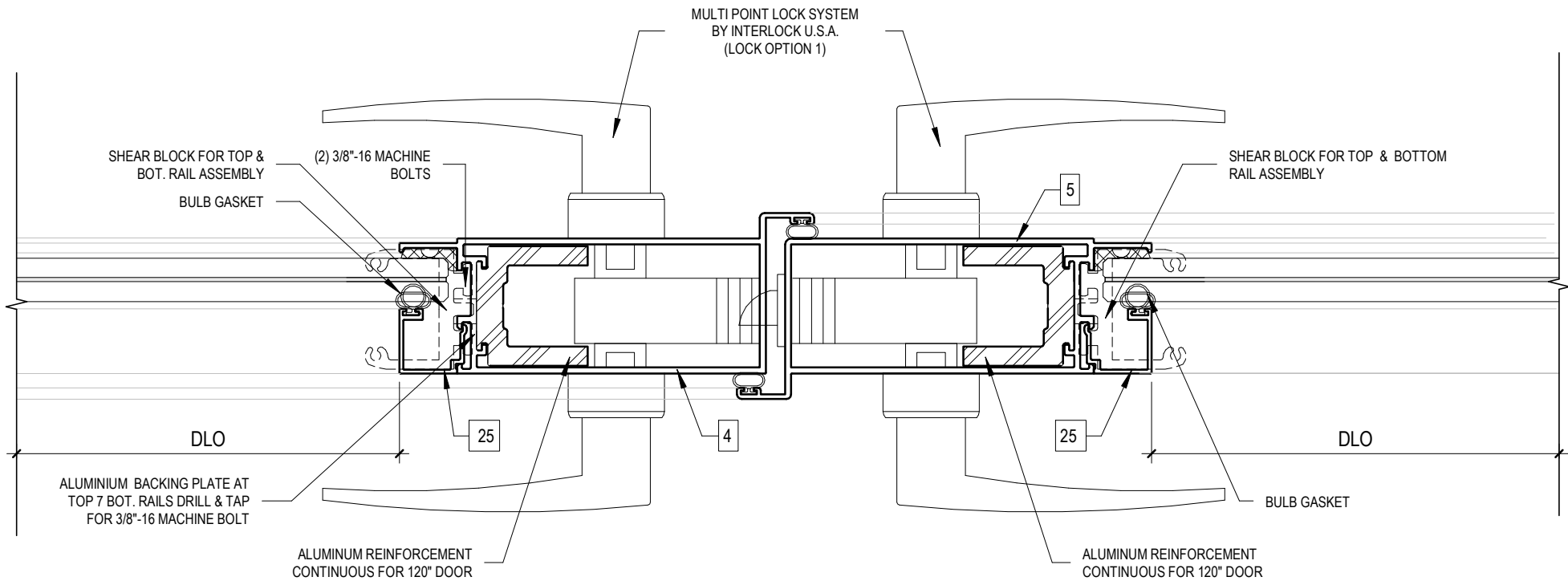
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1
111 DOOR TRANSITION MULLION LOCKING DETAIL
6" = 1'-0"



2
111 REINFORCED ASTRAGAL STILE DETAIL
6" = 1'-0"



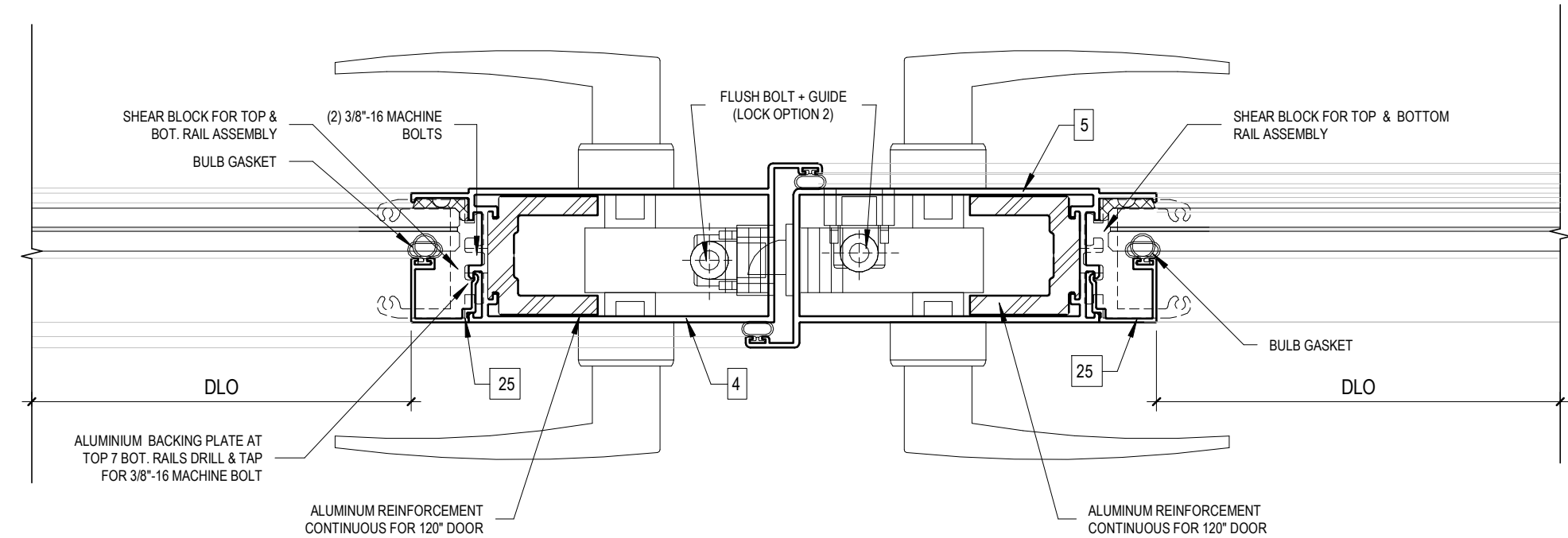
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1
112 REINFORCED ASTRAGAL STILE DETAIL LOCKING
6" = 1'-0"



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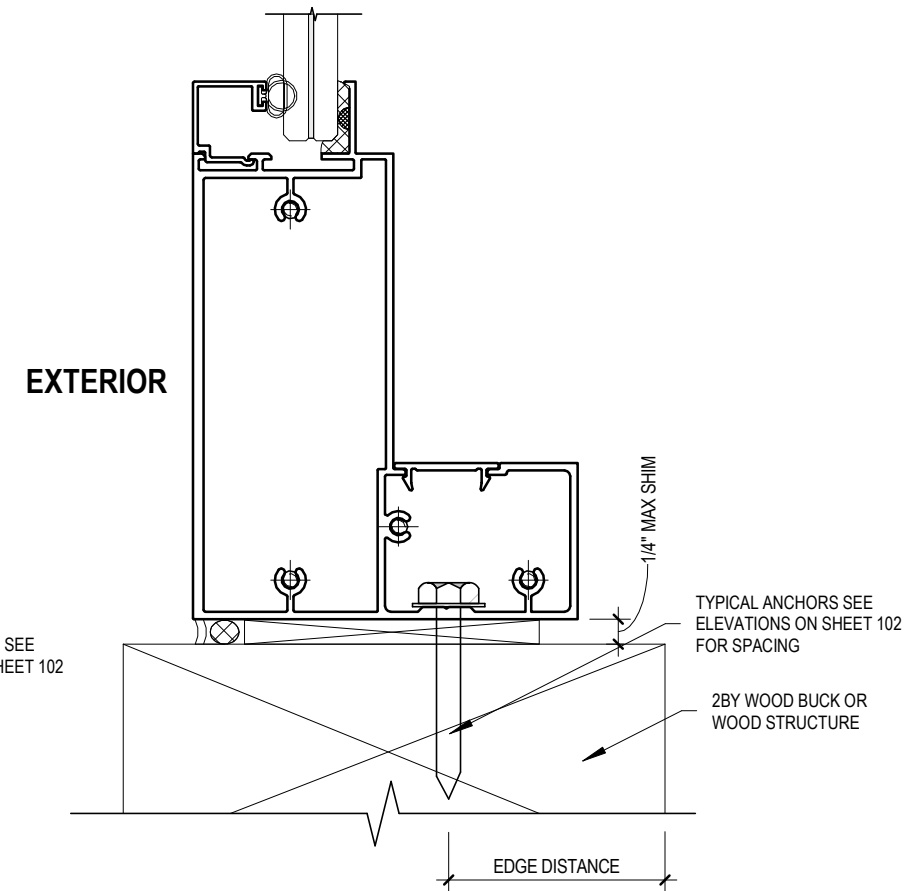
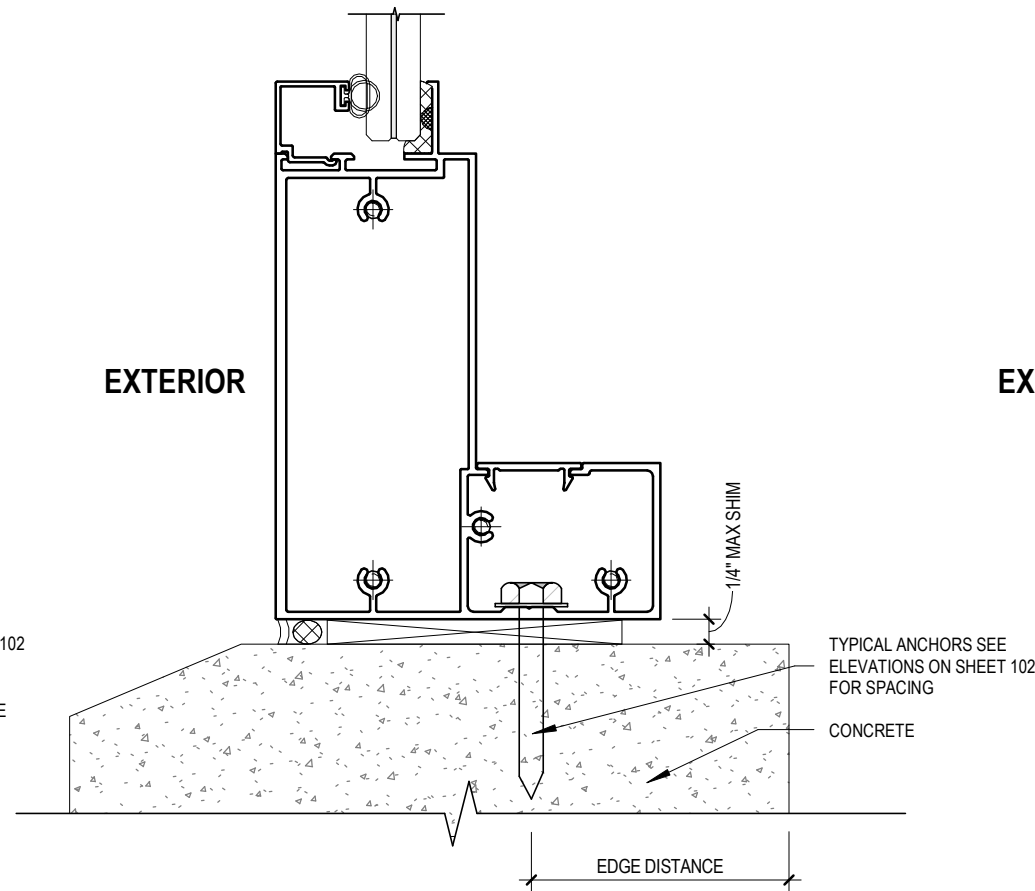
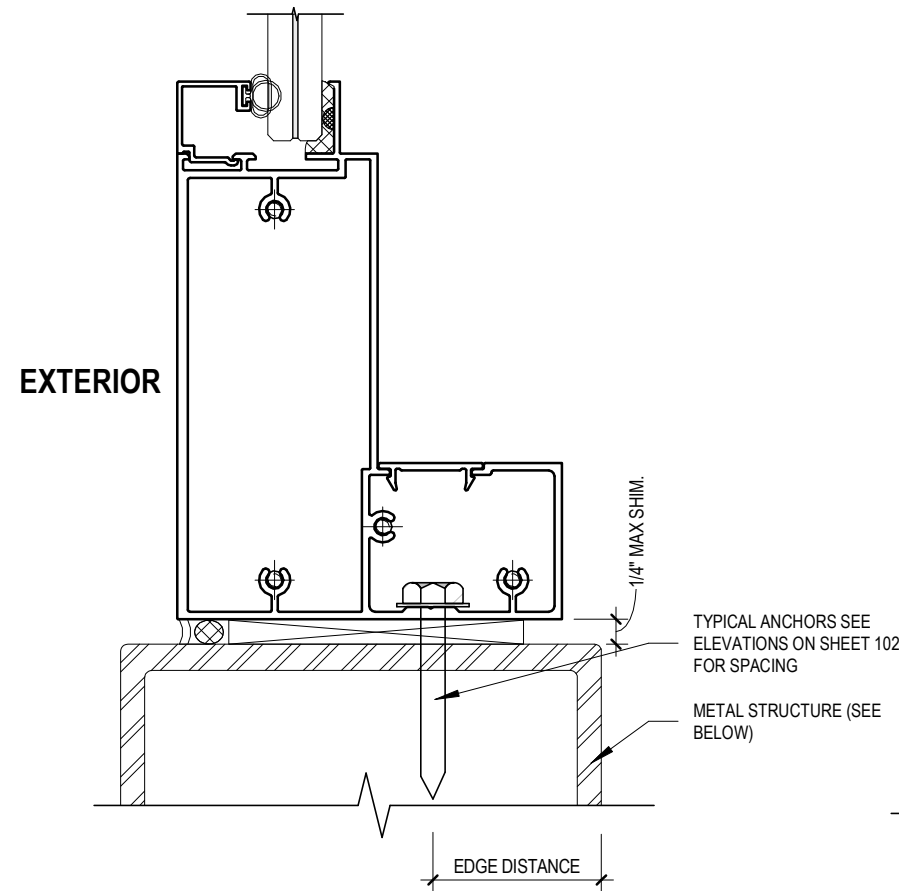
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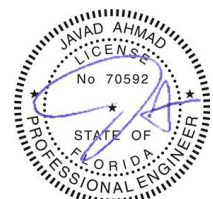
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window systems

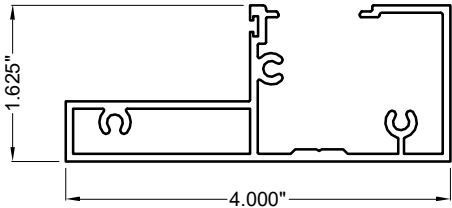
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SILL/HEAD

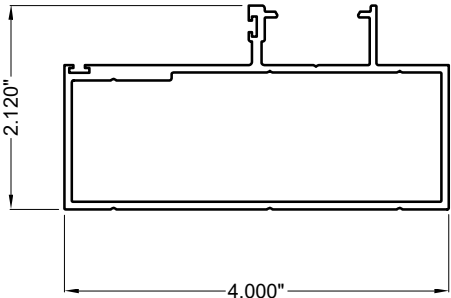
1



ALLOY 6063-T6 E671

JAMB

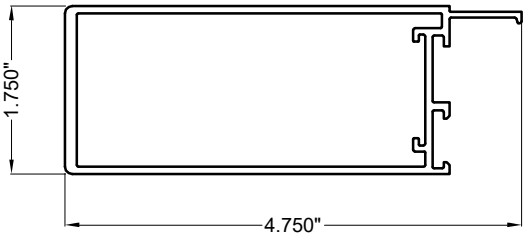
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ALLOY 6063-T6 E672

HINGE STILE

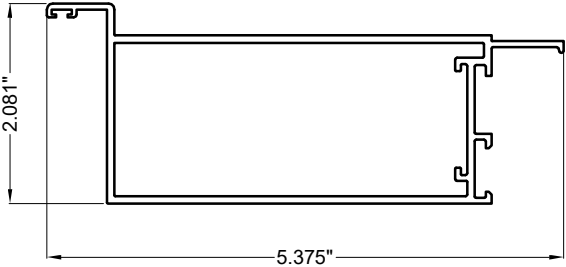
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ALLOY 6063-T6 E673

INACTIVE ASTRAGAL STILE

4



ALLOY 6063-T6 E674

ACTIVE ASTRAGAL STILE

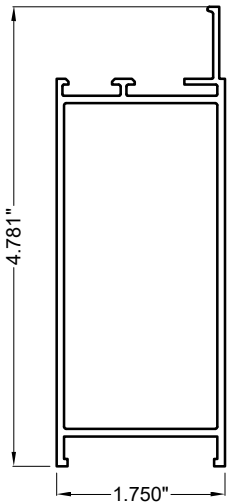
5



ALLOY 6063-T6 E675

TOP/BOTTOM RAIL

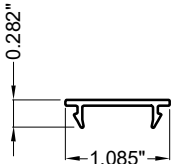
6



ALLOY 6063-T6 E676

SNAP-IN COVER

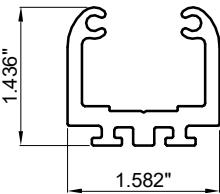
7



ALLOY 6063-T6 E677

SHEAR BLOCK

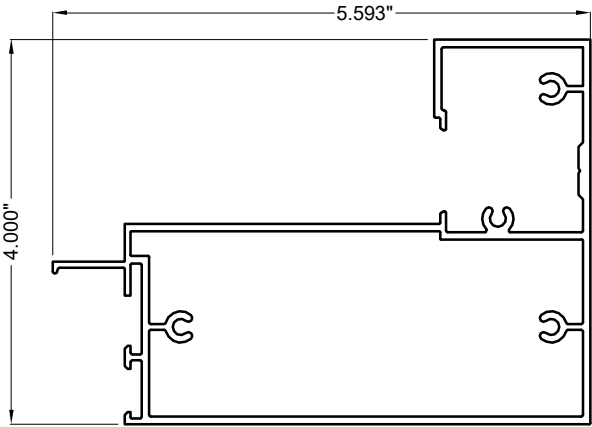
8



ALLOY 6063-T6 E678

SIDELITE TOP/BOTTOM RAIL

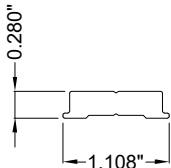
9



ALLOY 6063-T6 E679

FRAME ASSY BACKING PLATE

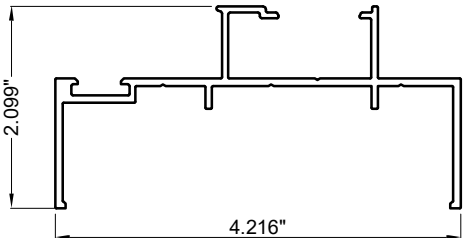
10



ALLOY 6063-T6 E680

SIDELITE SLIP-ON MULLION

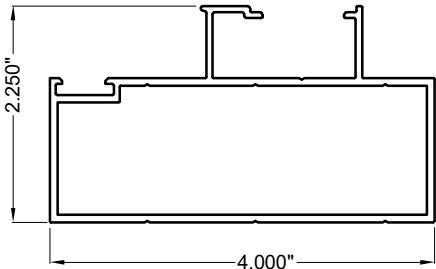
11



ALLOY 6063-T6 E681

SIDELITE JAMB

12



ALLOY 6063-T6 E682



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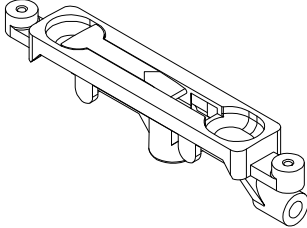
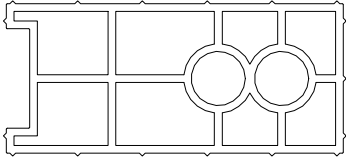
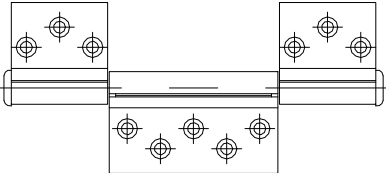
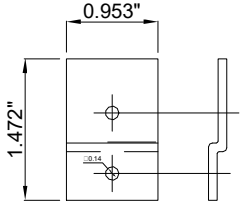
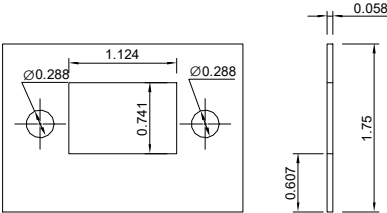
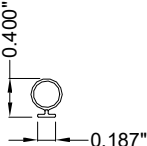
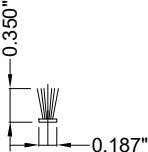
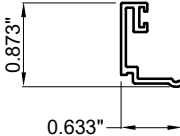
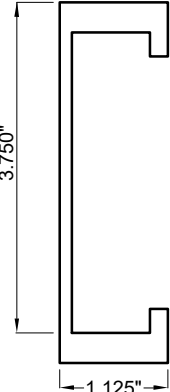
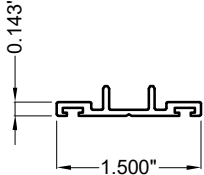
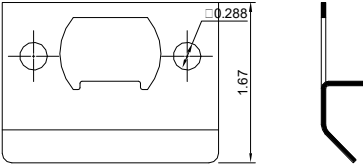
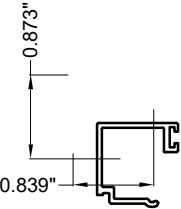
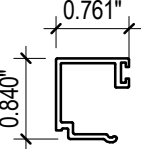


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Ph: (305) 424-8001
support@ja-pe.com

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FLUSH BOLT 13  MATERIAL: ZAMAK & STEEL TIP	FLUSH BOLT KEEPER 14  MATERIAL: PLASTIC A672	FLUSH BOLT GUIDE 15  MATERIAL: NYLON A673	ALUMINUM HINGE 16  MATERIAL: ALUMINUM A674	DEAD BOLT BACKING PLATE  Material: ALUMINUM A676
WEATHER STRIP 17  MATERIAL: WOVEN PILE + POLYP. BACKING A678	BULB GASKET 18  MATERIAL: TPE & POLYPROPYLENE G671	WEATHER STRIP 19  MATERIAL: TPE & POLYPROPYLENE G672	GLASS STOP FOR INSULATED 20  ALLOY 6063-T6 E279	MULLION REINFORCEMENT 21  ALLOY 6063-T52 E686
WEATHER STRIP ADAPTER 22  ALLOY 6063-T6 E685	WEATHER STRIP 23  STAINLESS STEEL A677	GLASS STOP FOR 7/16" 24  ALLOY 6063-T6 E683	GLASS STOP FOR 9/16" 25  ALLOY 6063-T6 E684	

ECO-NOVO SERIES : 675 FRENCH DOOR
(LARGE AND SMALL MISSILE IMPACT RATED)



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BILL OF MATERIALS			
ITEM #	PART #	DESCRIPTION	MATERIAL
1	E671	FRAME HEAD/SILL	ALLOY 6063-T6
2	E672	FRAME JAMB	ALLOY 6063-T6
3	E673	HINGE STILE	ALLOY 6063-T6
4	E674	INACTIVE ASTRAGALSTILE	ALLOY 6063-T6
5	E675	ACTIVE ASTRAGAL STILE	ALLOY 6063-T6
6	E676	FRAME TOP/BOTTOM RAIL	ALLOY 6063-T6
7	E677	SNAP - IN COVER	ALLOY 6063-T6
8	E678	SHEAR BLOCK	ALLOY 6063-T6
9	E679	SIDELITE TOP/BOTTOM RAIL	ALLOY 6063-T6
10	E680	FRAME ASSEMBLY BACKING PLATE	ALLOY 6063-T6
11	E681	SIDELITE SLIP ON MULLION	ALLOY 6063-T6
12	E682	SIDELITE JAMB	ALLOY 6063-T6
13	A671	FLUSH BOLT	ZAMAK & STEEL TIP
14	A672	FLUSH BOLT KEEPER	PLASTIC
15	A673	FLUSH BOLT GUIDE	NYLON
16	A674	ALUMINUM HINGE	ALUMINUM
17	A676	DEAD BOLT BACKING PLATE	ALUMINUM
18	A678	WEATHER STRIP	WOVEN PILE + POLYP. BACKING
19	G671	BULB GASKET	TPE & POLYPROPYLENE
20	G672	WEATHER STRIP	TPE & POLYPROPYLENE
21	E283	GLASS STOP FOR INSULATED	ALLOY 6063-T6
22	A686	MULLION REINFORCEMENT	ALLOY 6063-T52
23	E685	WEATHER STRIP ADAPTER	ALLOY 6063-T6
24	A277	WEATHER STRIP	STAINLESS STEEL
25	E683	GLASS STOP FOR 7/16"	ALLOY 6063-T6
26	E684	GLASS STOP FOR 9/16"	ALLOY 6063-T6
27	-	ASTRAGAL REINFORCEMENT	ALUMINUM



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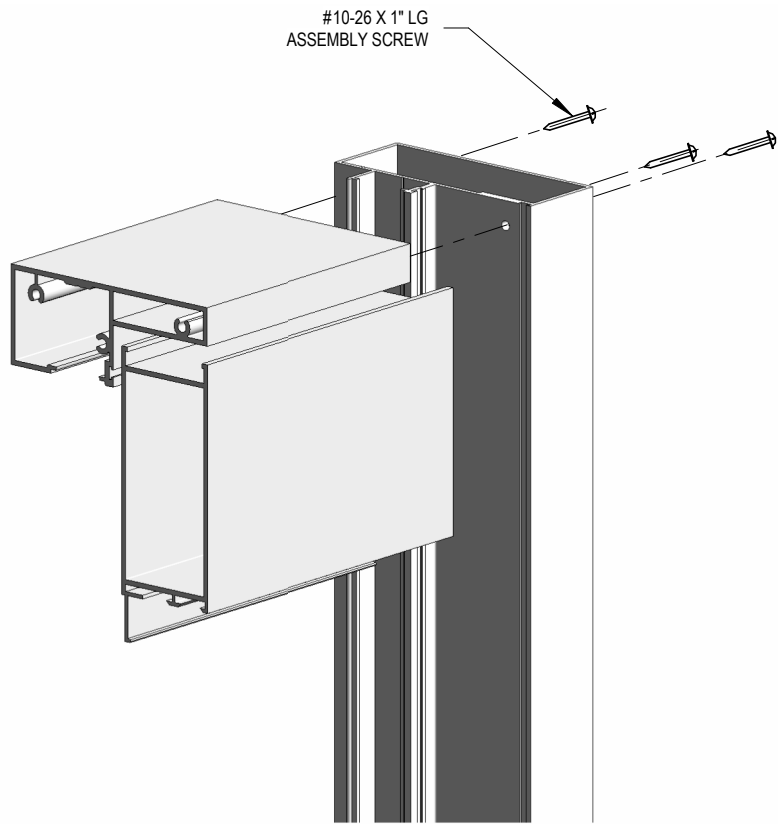
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drawing no.	JA-2042-24	drawn by:	BS
date:	12-27-2024	check by:	SJ
REVISION			
No.	DATE	BY	DESCRIPTION
1	12-27-2024	AK	UPDATE AS PER DBPR COMMENT

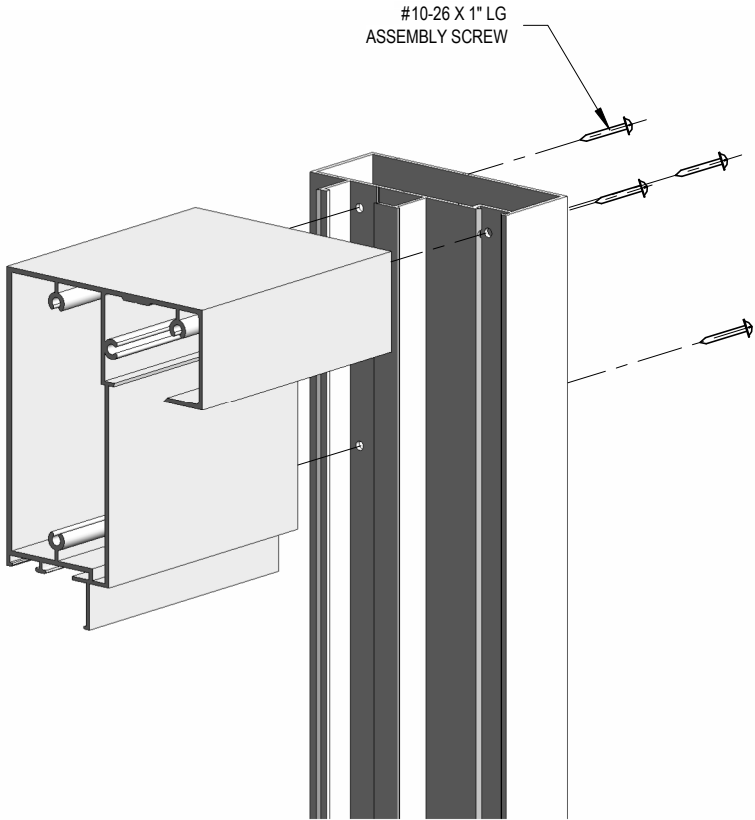
ECO-NOVO SERIES : 675 FRENCH DOOR
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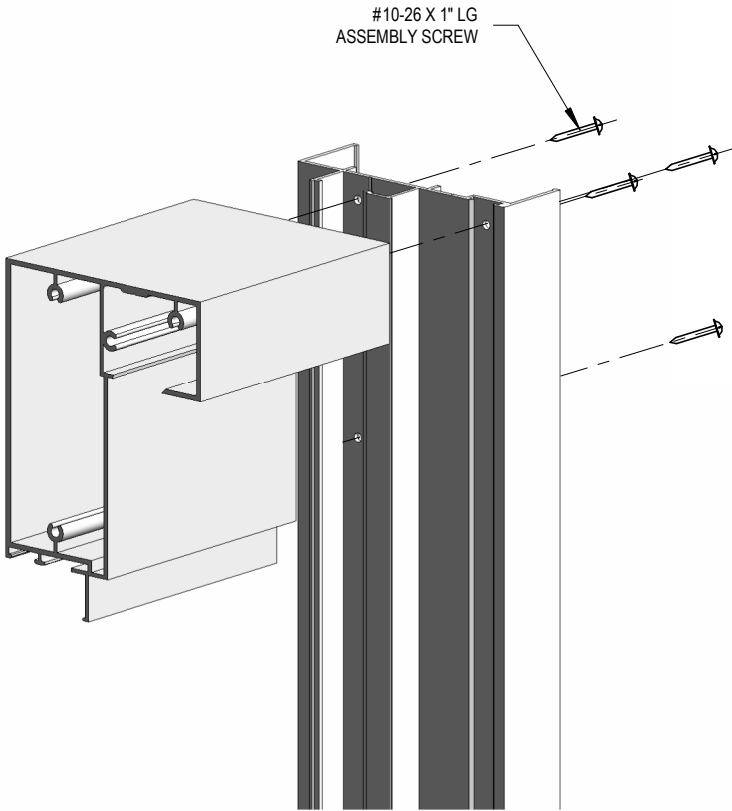
SEALED: 12/27/2024



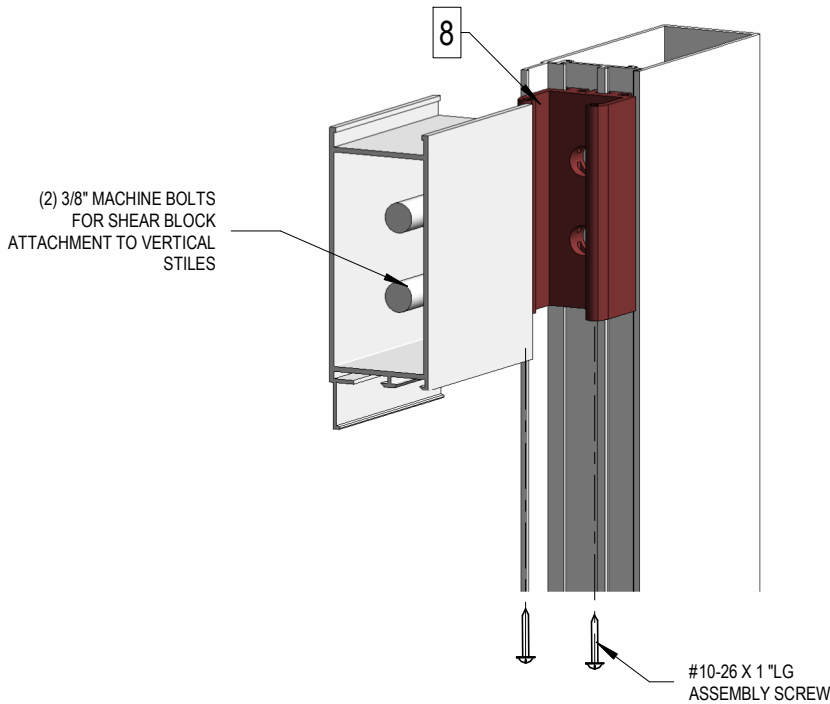
DOOR FRAME CORNER



SIDELITE FRAME CORNER



SIDELITE SLIP ON JAMB CORNER



DOOR LEAF CORNER



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8802 N.W. 80th ST. MEDLEY, FL 33166
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