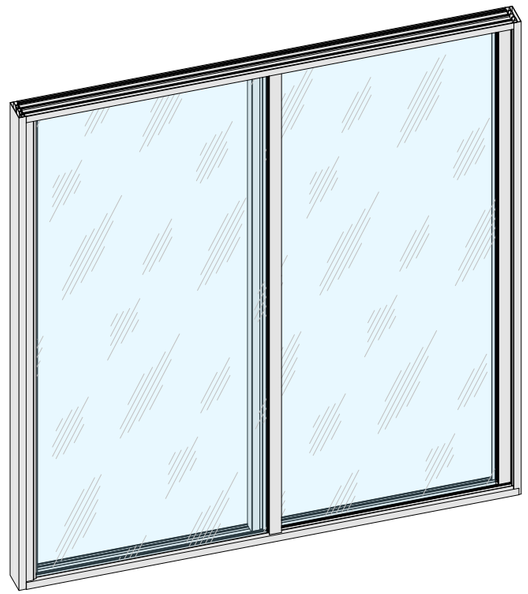
ECO WINDOW SYSTEMS, LLC.
ECO-NOVO SERIES: 775 SLIDING DOOR SYSTEM
(LARGE AND SMALL MISSILE IMPACT RATED)

FL# 47220.1

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SLIDING DOOR (O-X CONFIGURATION)

NOTE:

- THIS PRODUCT APPROVAL DRAWING IS A PERFORMANCE ANALYSIS OF THE INDIVIDUAL COMPONENTS AND DOES NOT CONTAIN INFORMATION ON EACH PROJECT SITE SPECIFIC CONDITION.
- STRUCTURAL, WATERPROOFING, SEALING, GUARD, AESTHETICS AND/OR OTHER MISCELLANEOUS REQUIREMENTS MUST BE COORDINATED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION
- FOR SITE-SPECIFIC CONDITIONS WHERE THE DESIGN PRESSURE / PRODUCT SIZE EXCEEDS THE VALUES SHOWN IN THIS DOCUMENT, CONTACT ECO WINDOW SYSTEMS, LLC FOR SPECIAL APPROVALS THROUGH THEIR OFFICIAL MAIL **carlos.martinez@ecowindowsystems.com** / CONTACT DETAILS PROVIDED ON THE RIGHT SIDE OF THIS SHEET.

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8th EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. GLASS CAPACITIES FOUND IN THE CHARTS HEREIN THIS CERTIFICATION ARE BASED ON ASTM E1300-16 (3 SEC. GUSTS).
3. ALL DESIGN PRESSURES NOTED HEREIN ARE 'ALLOWABLE STRESS DESIGN' (ASD) PRESSURES BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
4. 1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.
5. ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUFACTURES INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
6. GUARD REQUIREMENTS SHALL BE REVIEWED ON A SITE-SPECIFIC BASIS.
7. NO FACTORS HAVE BEEN USED IN ALLOWABLE STRESS CAPACITY OF THE PRODUCT. ANCHORS FOR WOODEN SUBSTRATE HAVE BEEN PROVIDED USING LOAD DURATION FACTOR OF Cd=1.6.
8. ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.
9. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.
10. 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.
11. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.
12. CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
13. THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
14. THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS PRODUCT IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUBSTRATES WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE SUPPORTING STRUCTURE.
15. THIS PRODUCT APPROVAL DOCUMENT SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.
16. ENSURE A COMPREHENSIVE REVIEW OF THE NOTES ON EACH SHEET TO AVOID ANY POTENTIAL PROBLEM IN UTILIZING THIS APPROVAL.
17. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.
18. FASTENERS DESCRIBED IN THIS CERTIFICATION ARE PERMITTED TO BE SUBSTITUTED, PROVIDED THAT STRENGTH OF THE ALTERNATIVE ANCHOR IS EQUAL TO OR GREATER THAN THE ORIGINALLY SPECIFIED ANCHOR. FINAL APPROVAL OF SUBSTITUTED ANCHORS SHALL BE BY OTHERS.
19. WOOD SCREWS REFERENCED IN THIS CERTIFICATION SHALL BE GRADE 2 MIN. (Fu = 74,000 PSI).
20. 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.
21. THIS SYSTEM IS APPROVED FOR FORCED ENTRY RESISTANCE.
22. SAFEGUARDS MUST BE OBSERVED (NOT PART OF THIS CERTIFICATION).
23. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.

PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM CONTAINING THE FOLLOWING:
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY , FL 33166
APPROVED BY FLORIDA BUILDING COMMISSION
FLORIDA PRODUCT APPROVAL NUMBER FL# 47220.1

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

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

drawing no.	JA-1321-25	drawn by: AK	check by: MK
date:	10-21-2025		

REVISION

No.	DATE	BY	DESCRIPTION

ECO-NOVO SERIES: 775 SLIDING DOOR SYSTEM
(LARGE AND SMALL MISSILE IMPACT RATED)

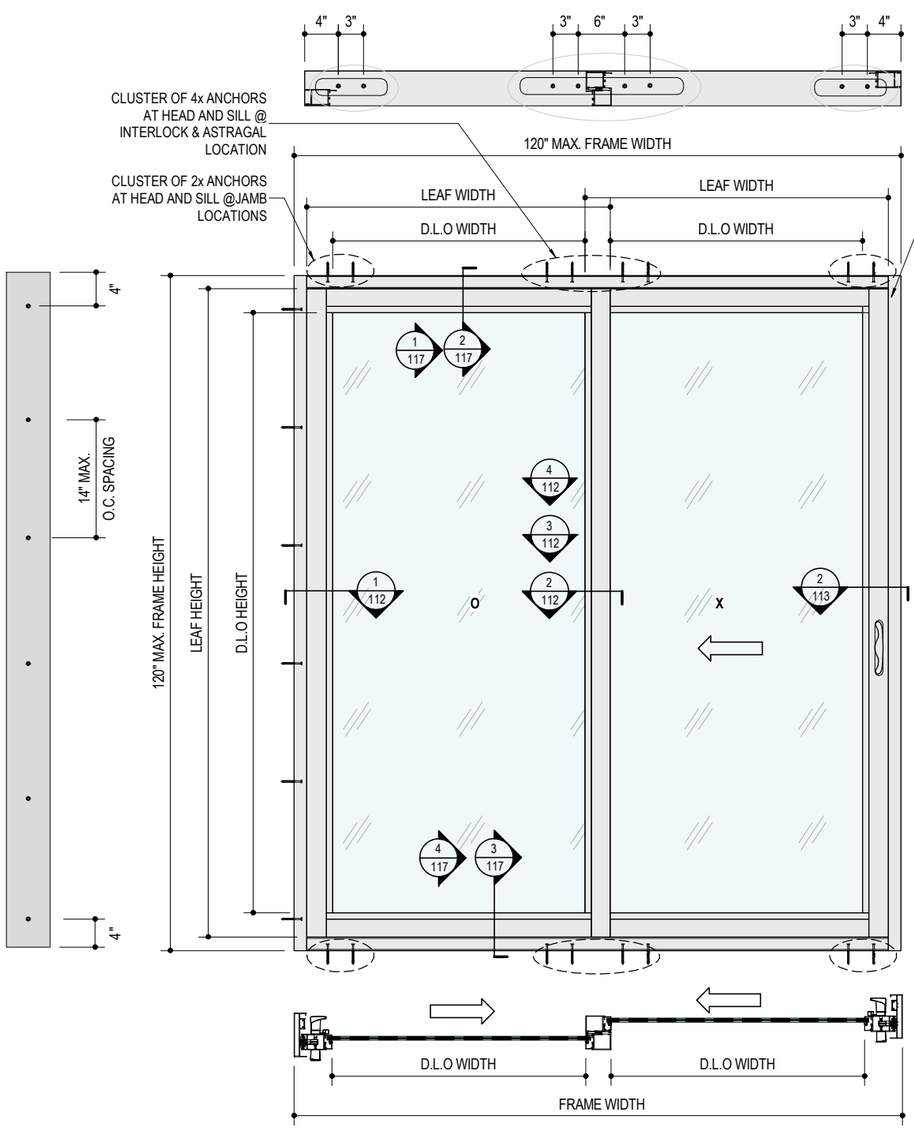
window systems
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-52599 FAX. (305) 885-5902

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-22-2025

TYPICAL ELEVATIONS

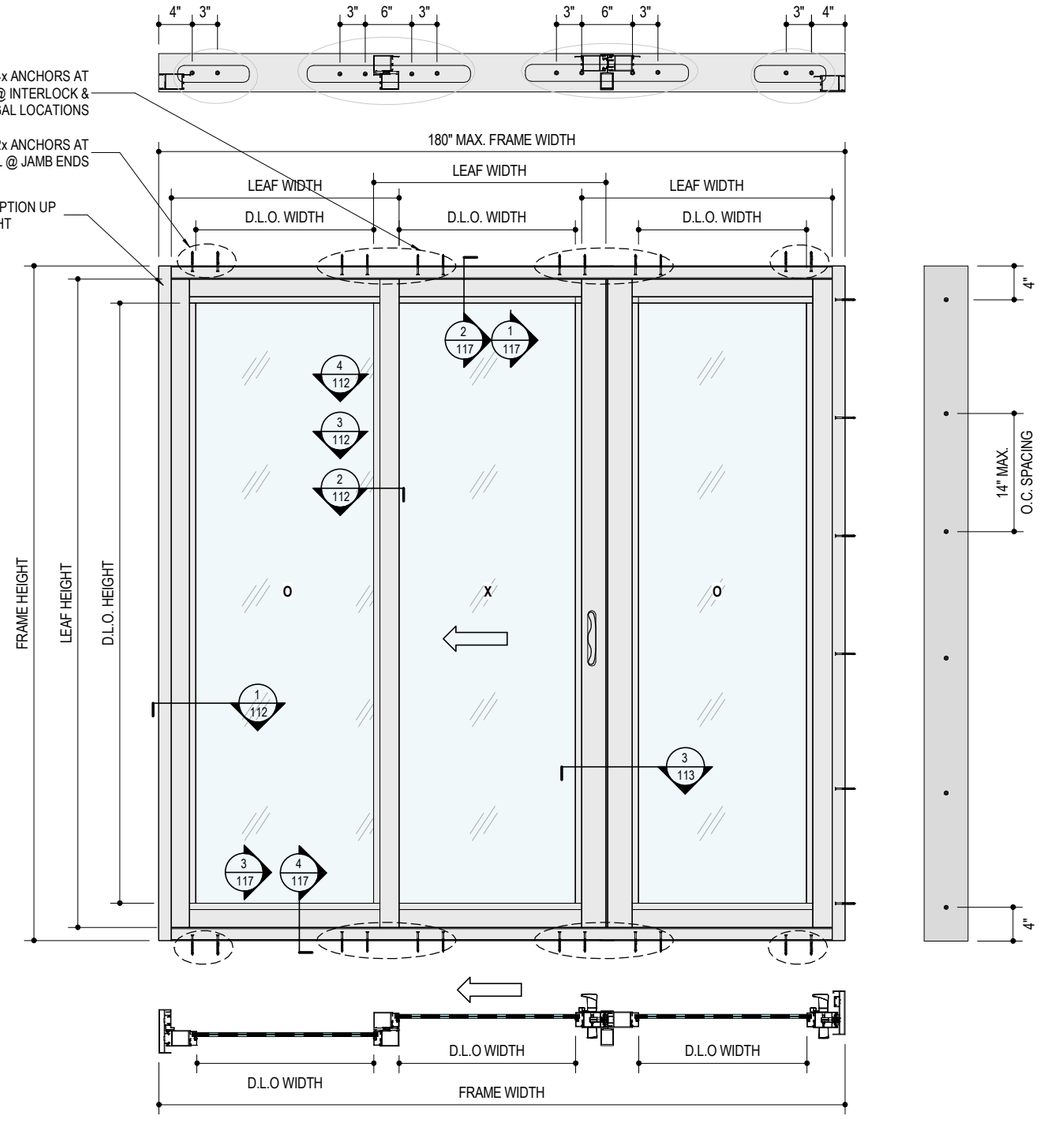
FL#47220.1



1 / 102 **TYPICAL EXTERIOR ELEVATION - 2 TRACK- 2 PANEL**

CONFIGURATION "XO" / "XX" / "OX" (SHOWN)

D.L.O WIDTH = $\frac{FW - 12}{2}$



2 / 102 **TYPICAL EXTERIOR ELEVATION - 2 TRACK - 3 PANEL**

CONFIGURATION "O-XO" / "XX-O" / "O-XX" / "OX-O"(SHOWN)

D.L.O WIDTH = $\frac{(FW - 19.5)}{3}$

NOTE:

- UNANCHORED JAMBS MAY BE USED FOR HEIGHTS EQUAL OR LESS THAN 96".
- ANCHORAGE LAYOUT IS SAME FOR HEAD & SILL.
- FOR ALLOWABLE DESIGN PRESSURES, SEE SHEET 111.
- FOR LOCKING MECHANISM DETAILS, SEE SHEET 127.
- SYMBOLS-

O - REFERS TO FIXED PANEL.

X - REFERS TO OPERABLE PANEL.

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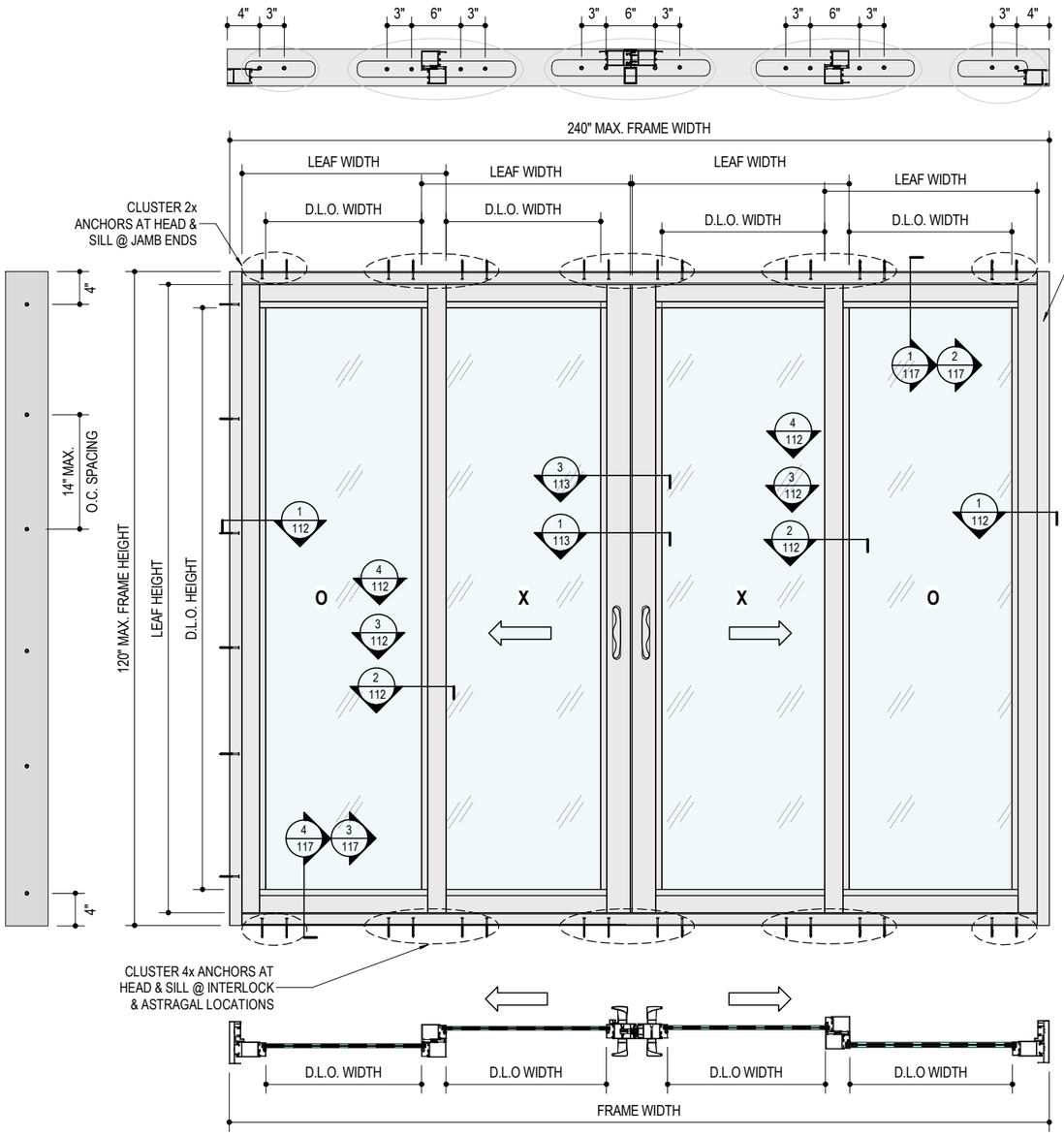
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TYPICAL ELEVATIONS

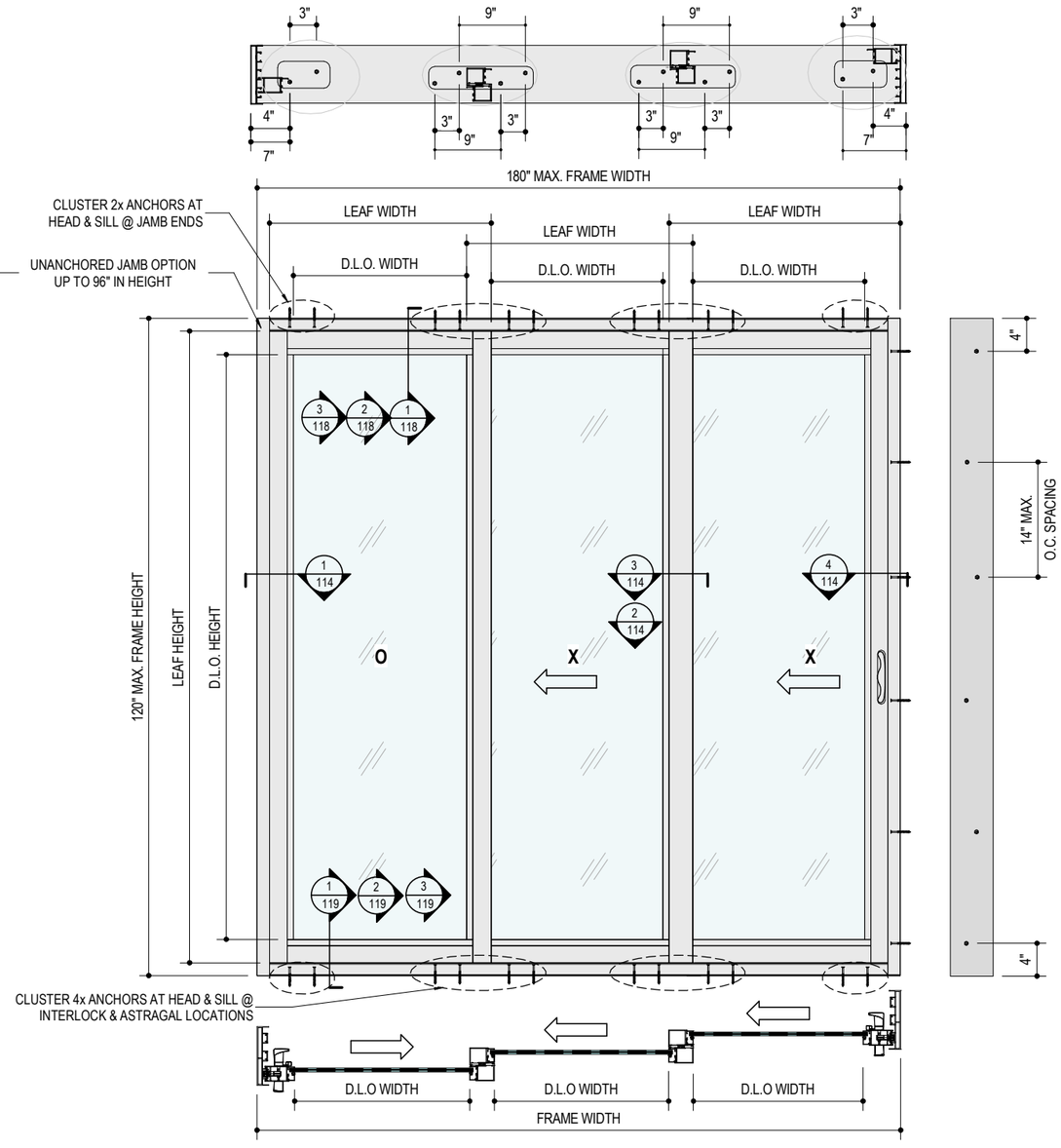
FL#47220.1



1 / 103 **TYPICAL EXTERIOR ELEVATION - 2 TRACK - 4 PANEL**

CONFIGURATION "XX-XO"/"OX-XX"/ "OX-XO" (SHOWN)

$$\text{D.L.O WIDTH} = \frac{(\text{FW} - 22.5)}{4}$$



2 / 103 **TYPICAL EXTERIOR ELEVATION - 3 TRACK -3 PANEL**

CONFIGURATION "XXX" / "XXO" / "OXX" (SHOWN)

$$\text{D.L.O WIDTH} = \frac{(\text{FW} - 15)}{3}$$

NOTE:

- UNANCHORED JAMBS MAY BE USED FOR HEIGHTS EQUAL TO OR LESS THAN 96".
- ANCHORAGE LAYOUT IS SAME FOR HEAD & SILL.
- FOR ALLOWABLE DESIGN PRESSURES, SEE SHEET 111.
- FOR LOCKING MECHANISM DETAILS, SEE SHEET 127.
- SYMBOLS-

O - REFERS TO FIXED PANEL.
X - REFERS TO OPERABLE PANEL.

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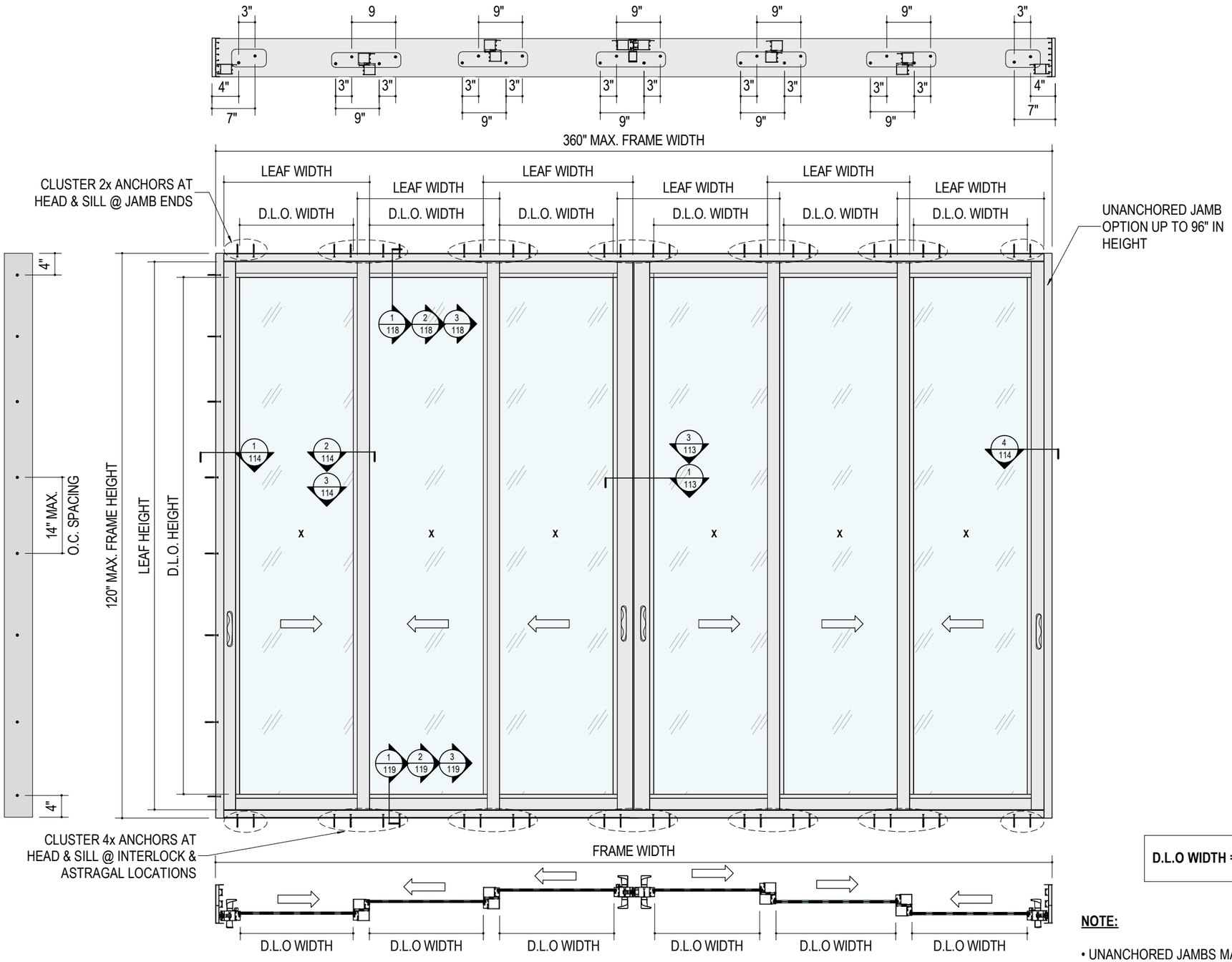
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TYPICAL ELEVATION

FL#47220.1



1 / 104 **TYPICAL EXTERIOR ELEVATION - 3 TRACK -6 PANEL**

CONFIGURATIONS "OXX-XXO"/"XXX-XXX" (SHOWN)

$$\text{D.L.O WIDTH} = \frac{(FW - 28.5)}{6}$$

NOTE:

- UNANCHORED JAMBS MAY BE USED FOR HEIGHTS LESS THAN 96".
- ANCHORAGE LAYOUT IS SAME FOR HEAD & SILL.
- FOR ALLOWABLE DESIGN PRESSURES, SEE SHEET 111.
- FOR LOCKING MECHANISM DETAILS, SEE SHEET 127.
- SYMBOLS-

O - REFERS TO FIXED PANEL.
X - REFERS TO OPERABLE PANEL.

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No.	DATE	BY	DESCRIPTION

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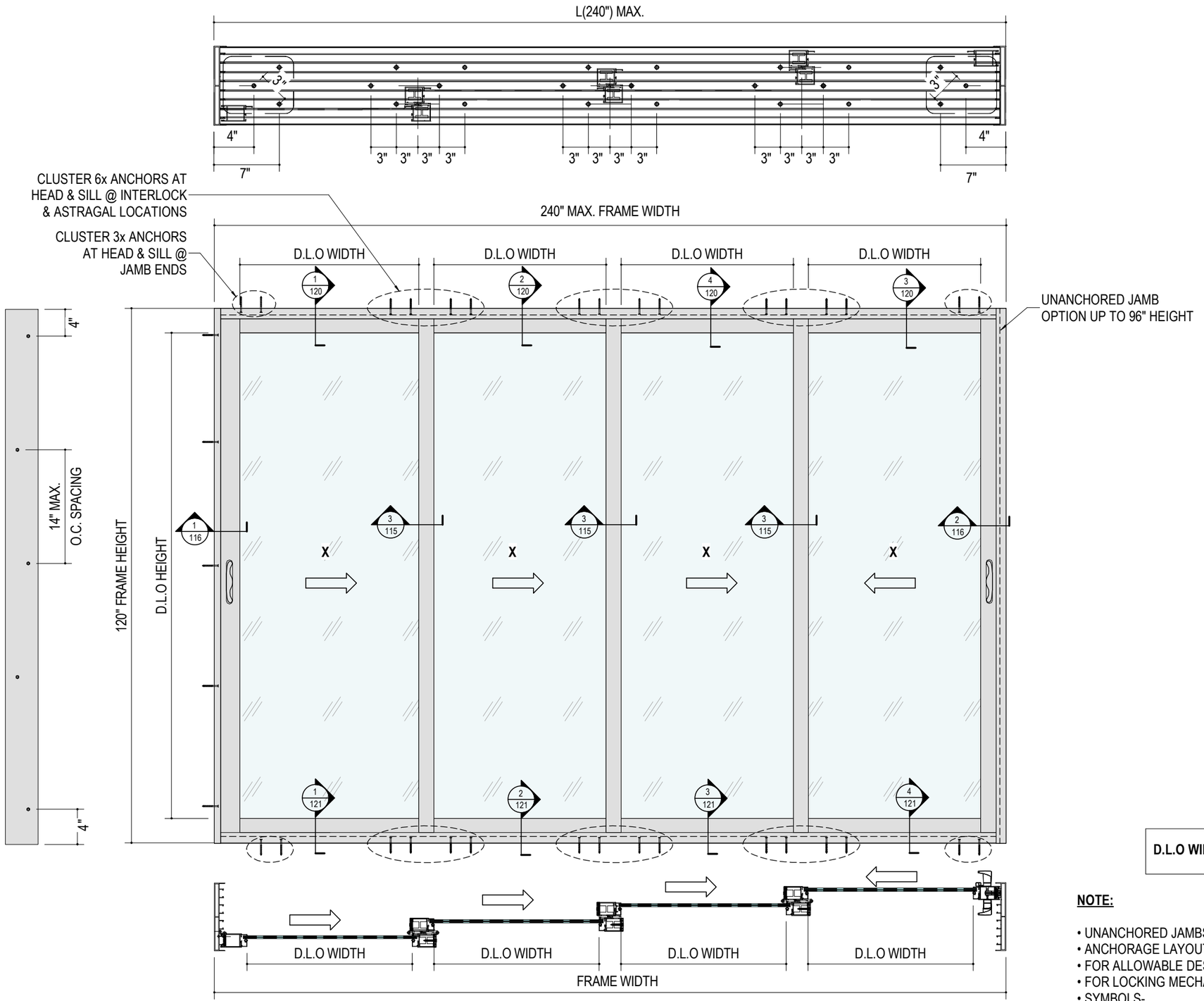
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TYPICAL ELEVATION

FL#47220.1



1
105

TYPICAL EXTERIOR ELEVATION - 4 TRACK - 4 PANEL

CONFIGURATIONS "XXXO" / "OXXX" / "XXXX" (SHOWN)

$$\text{D.L.O WIDTH} = \frac{(\text{FW} - 18)}{4}$$

NOTE:

- UNANCHORED JAMBS MAY BE USED FOR HEIGHTS LESS THAN 96".
- ANCHORAGE LAYOUT IS SAME FOR HEAD & SILL.
- FOR ALLOWABLE DESIGN PRESSURES, SEE SHEET 111.
- FOR LOCKING MECHANISM DETAILS, SEE SHEET 127.
- SYMBOLS-
  - **O** - REFERS TO FIXED PANEL.
  - **X** - REFERS TO OPERABLE PANEL.

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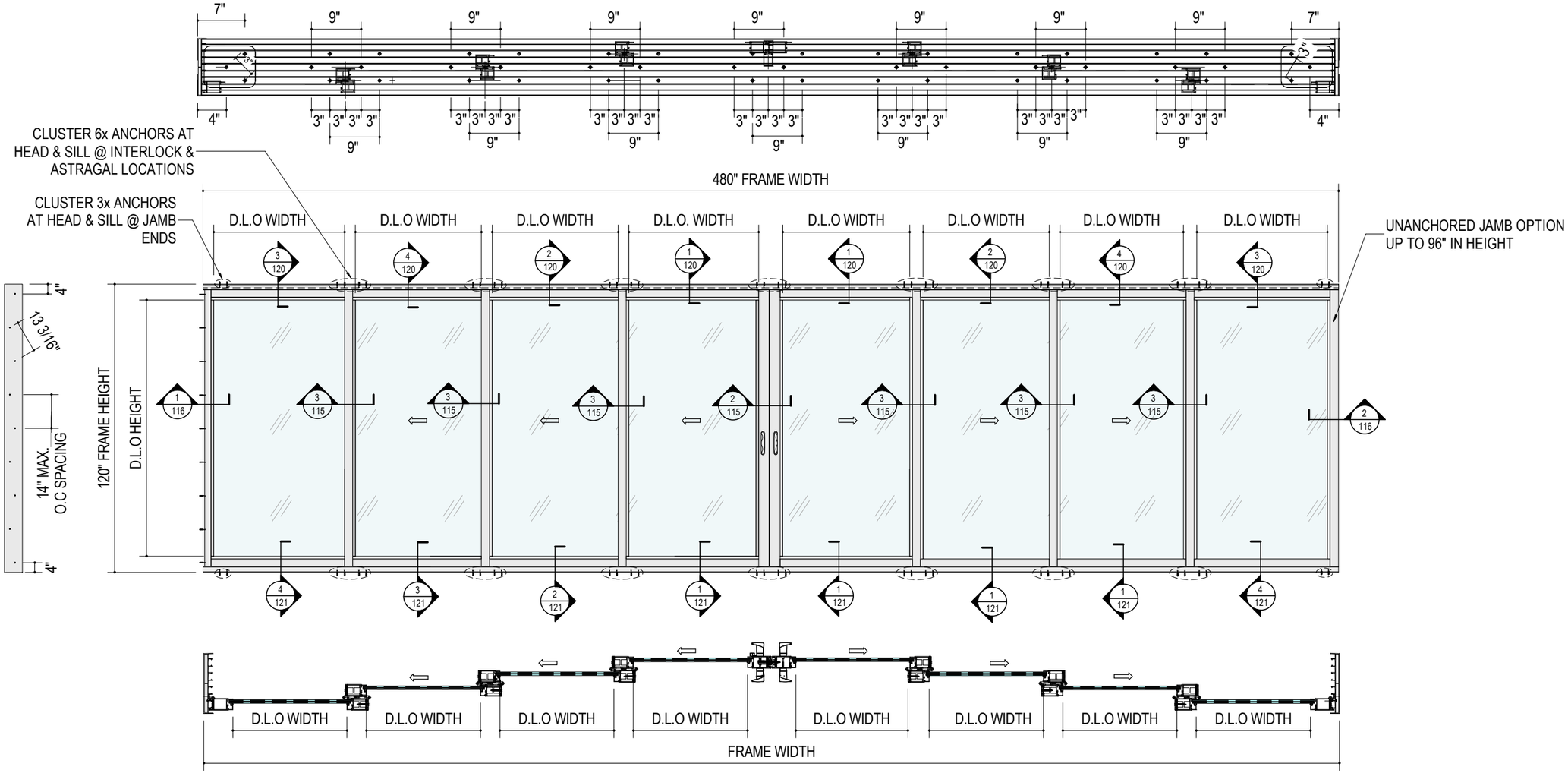
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TYPICAL ELEVATION

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1 / 106 TYPICAL EXTERIOR ELEVATION- 4 TRACK - 8 PANEL

CONFIGURATIONS "XXXX-XXXX"/"OXXX-XXXO" (SHOWN)

D.L.O WIDTH = (FW - 34.5) / 8

NOTE:

- UNANCHORED JAMBS MAY BE USED FOR HEIGHTS LESS THAN 96".
- ANCHORAGE LAYOUT IS SAME FOR HEAD & SILL.
- FOR ALLOWABLE DESIGN PRESSURES, SEE SHEET 111.
- FOR LOCKING MECHANISM DETAILS, SEE SHEET 127.
- SYMBOLS-
  - **O** - REFERS TO FIXED PANEL.
  - **X** - REFERS TO OPERABLE PANEL.

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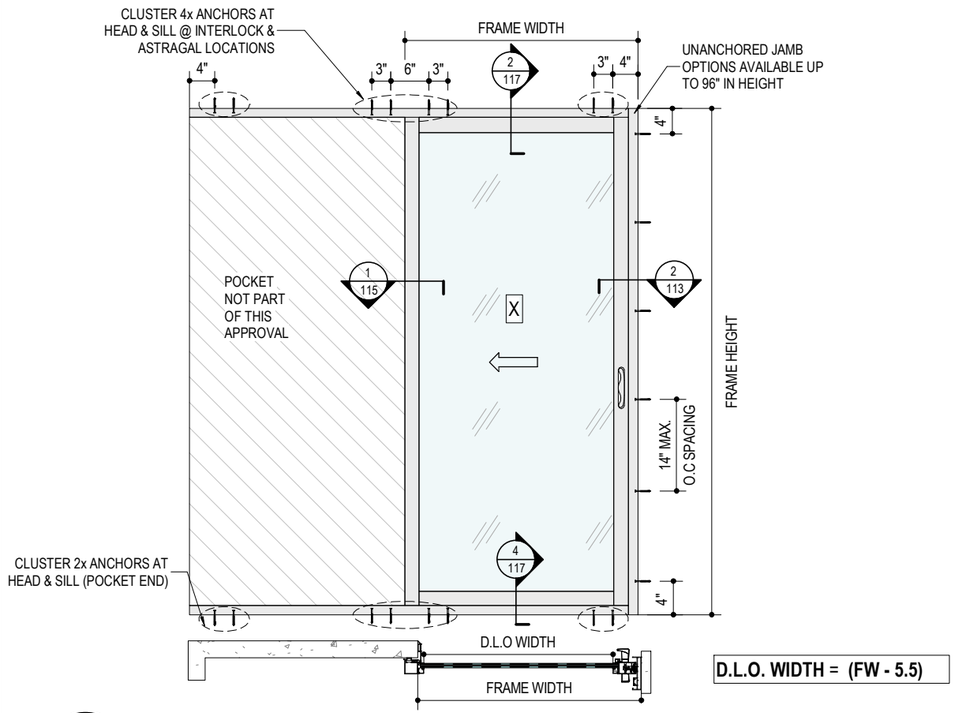
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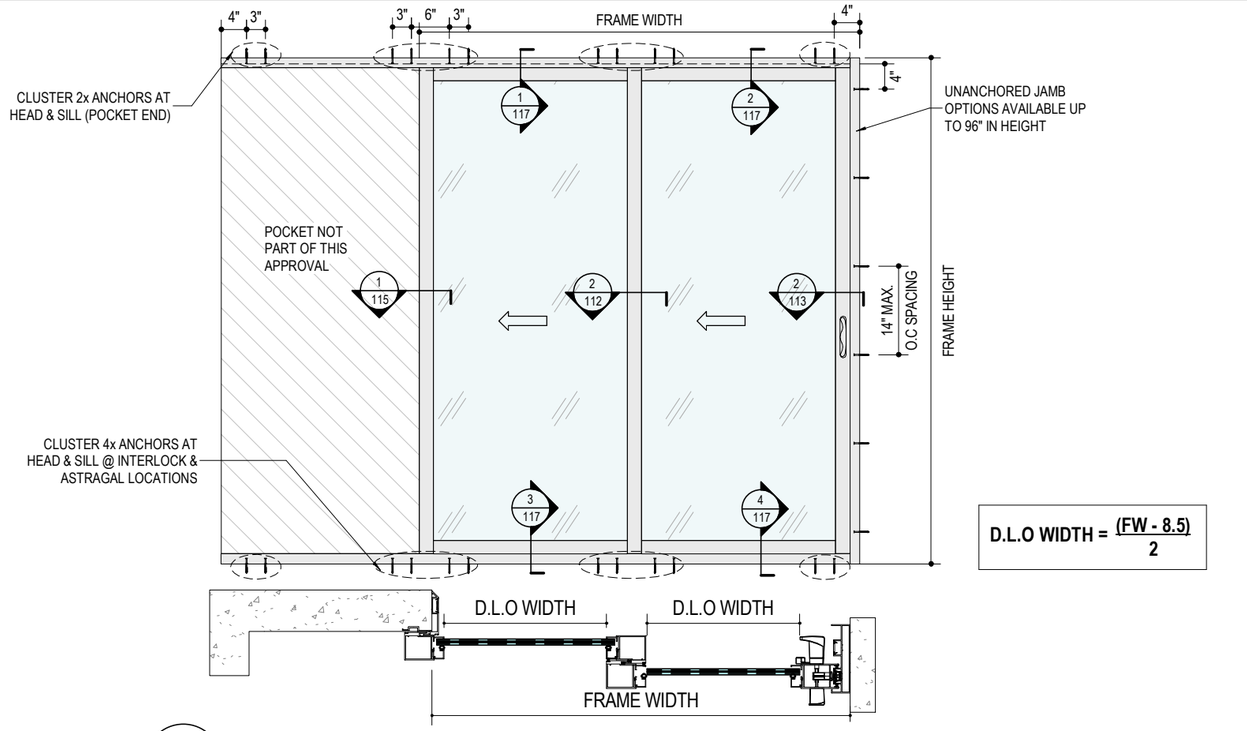
ALTERNATE ELEVATIONS

FL#47220.1



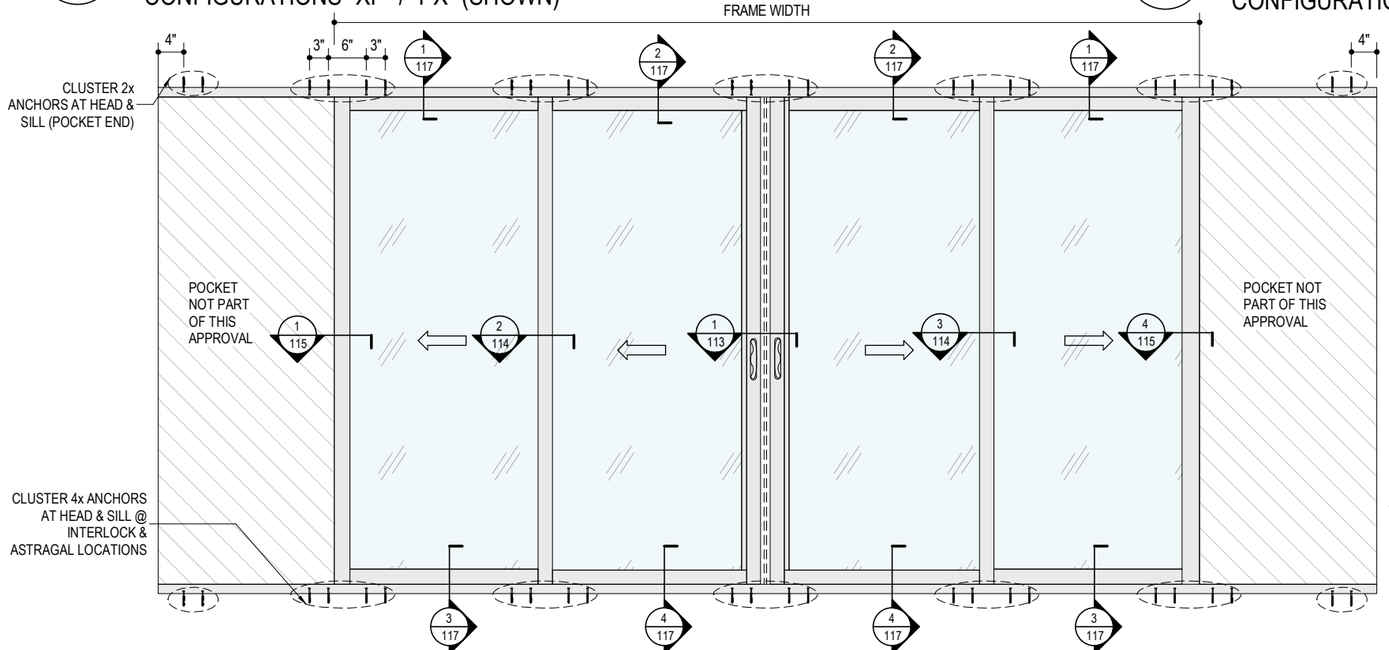
1 / 107 **ALTERNATE EXTERIOR ELEVATION - 2 TRACK - 1 PANEL**

CONFIGURATIONS "XP" / "PX" (SHOWN)



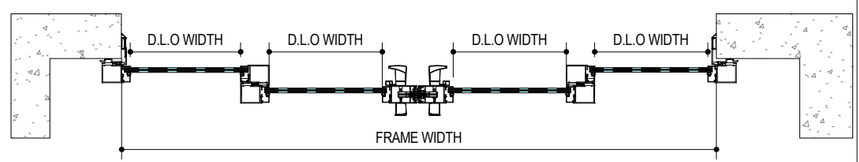
2 / 107 **ALTERNATE EXTERIOR ELEVATION - 2 TRACK - 2 PANEL**

CONFIGURATION "XXP" / "PXX" (SHOWN)



3 / 107 **ALTERNATE EXTERIOR ELEVATION - 2 TRACK - 4 PANEL**

CONFIGURATION "PXX-XX"/ XX-XXP"/ PXX-XXP" (SHOWN)



5 / 107 **JAMB SECTIONAL DETAIL - 2 TRACK**

N.T.S

D.L.O WIDTH = (FW - 15.5) / 4

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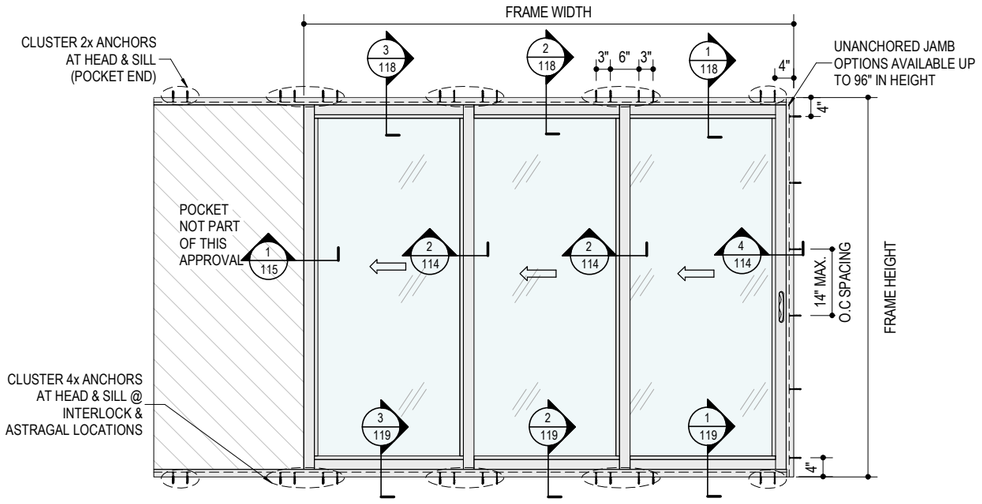
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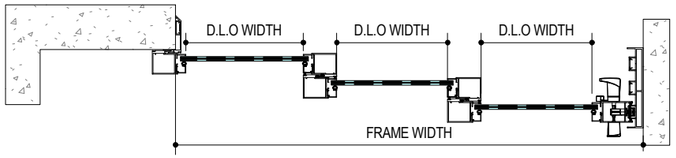
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ALTERNATE ELEVATIONS

FL#47220.1

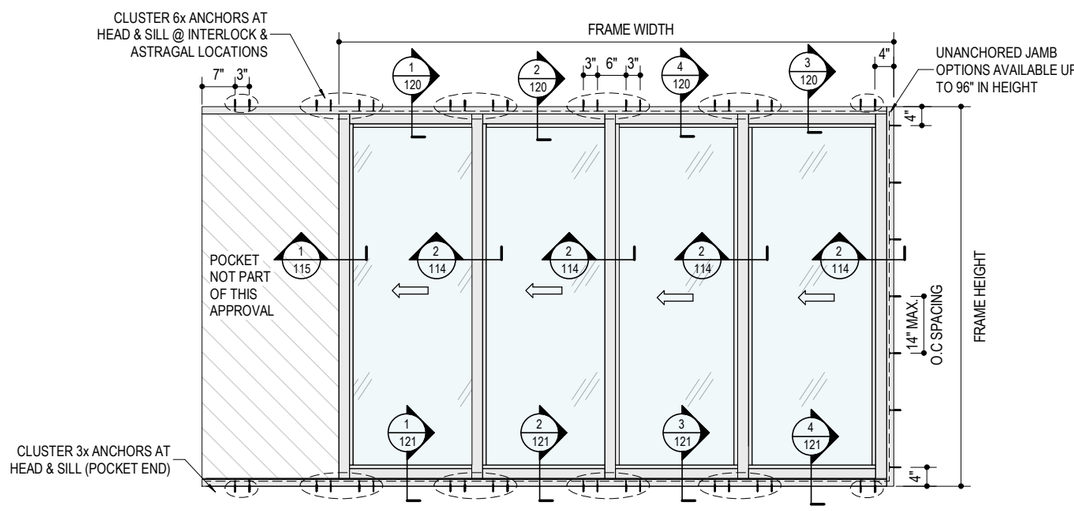


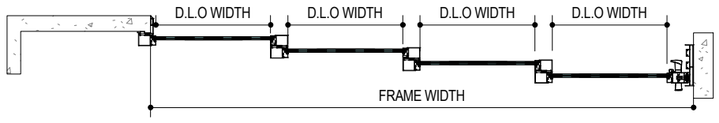


$$\text{D.L.O WIDTH} = \frac{\text{(FW - 11.5)}}{3}$$

1/108 ALTERNATE EXTERIOR ELEVATION - 3 TRACK - 3 PANELS

CONFIGURATIONS "XXXP"/"PXXX"(SHOWN)

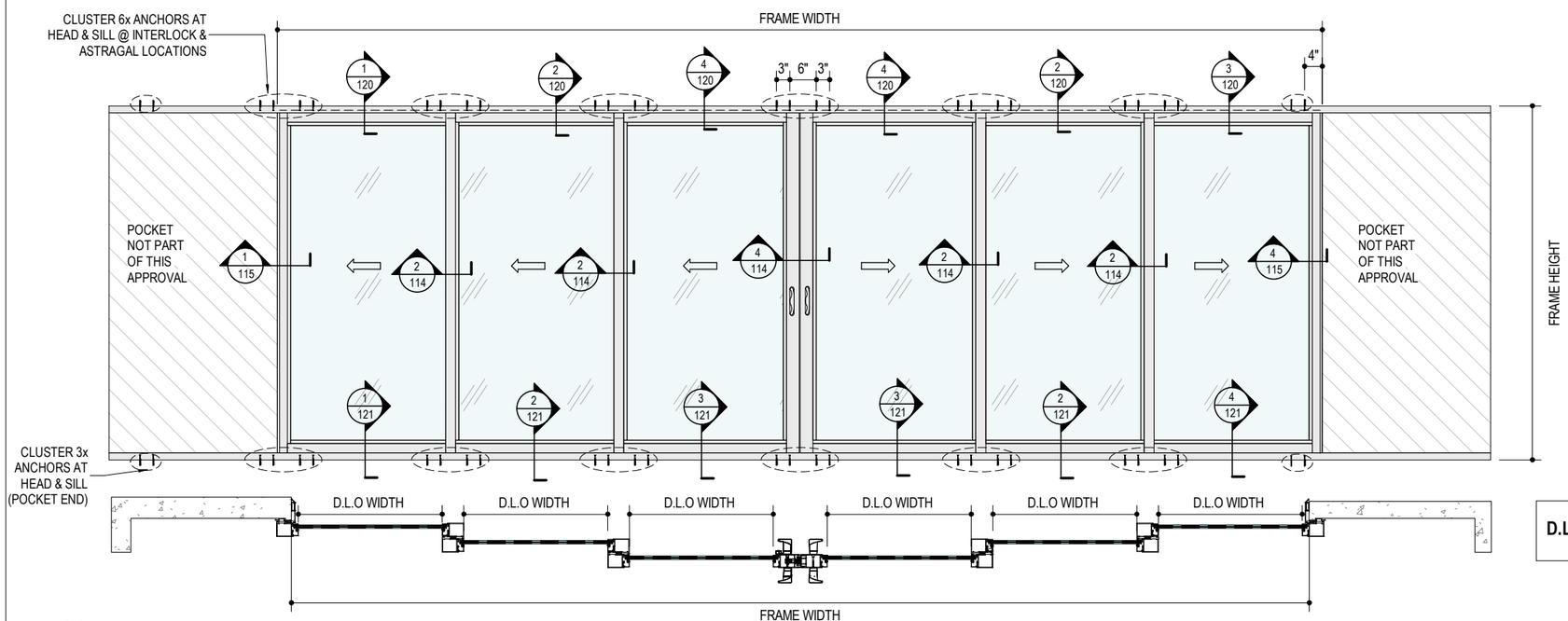




$$\text{D.L.O WIDTH} = \frac{\text{(FW - 14.5)}}{4}$$

2/108 ALTERNATE EXTERIOR ELEVATION - 4 TRACK - 4 PANELS

CONFIGURATION "XXXXP"/ "PXXXX" (SHOWN)



$$\text{D.L.O WIDTH} = \frac{\text{(FW - 21.5)}}{6}$$

3/108 ALTERNATE EXTERIOR ELEVATION - 3 TRACK - 6 PANELS

CONFIGURATION "PXXX-XXX" / "XXX-XXXP" / "PXXX-XXXP" (SHOWN)

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drawing no.	date:	drawn by:	check by:
JA-1321-25	10-21-2025	AK	MK

No.	DATE	BY	DESCRIPTION
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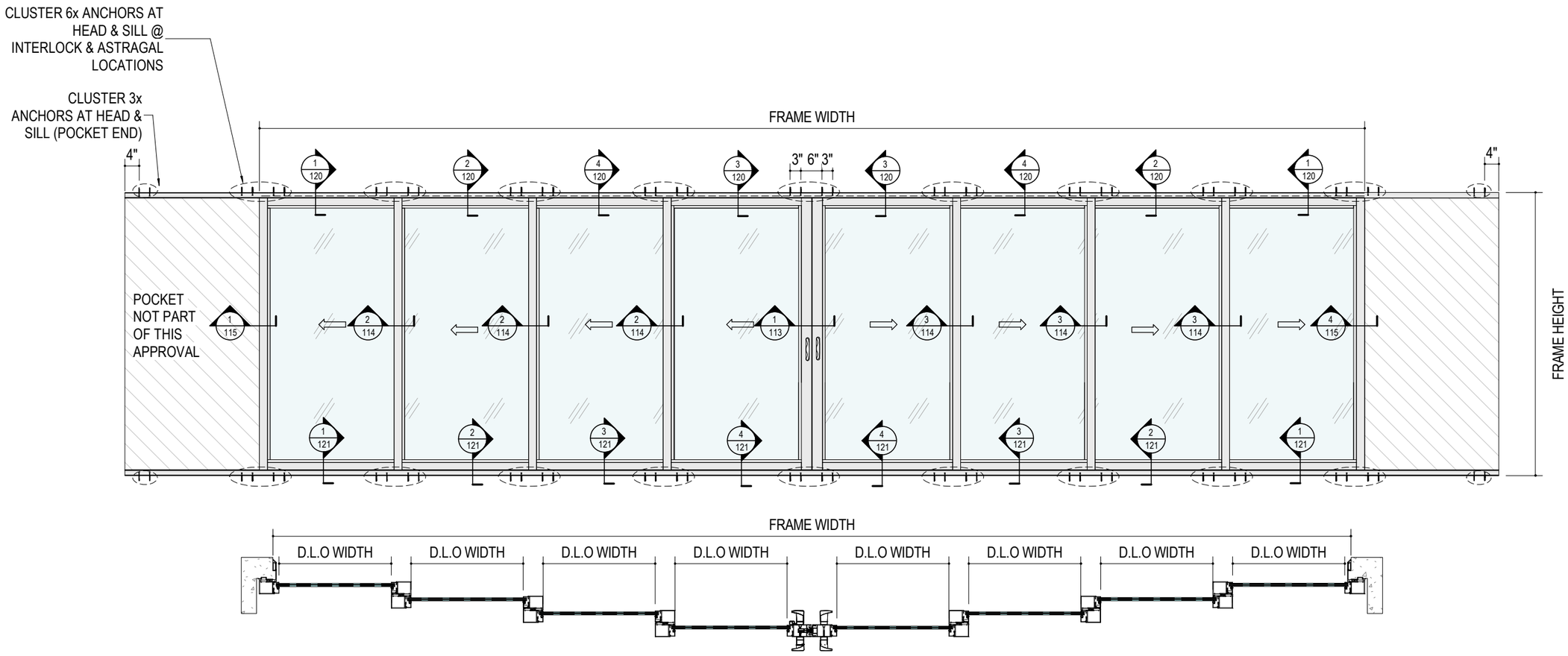
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ALTERNATE ELEVATION

FL#47220.1



1/109 **ALTERNATE EXTERIOR ELEVATION - 4 TRACK - 8 PANELS**

CONFIGURATION "OXXX-XXXXP" / "PXXXX-XXXO"/ "PXXXX-XXXXP"(SHOWN)

D.L.O. WIDTH = (FW - 27.5) / 8

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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drawing no.	date:	drawn by:	check by:
JA-1321-25	10-21-2025	AK	MK

REVISION

No.	DATE	BY	DESCRIPTION

ECO-NOVO SERIES: 775 SLIDING DOOR SYSTEM
(LARGE AND SMALL MISSILE IMPACT RATED)

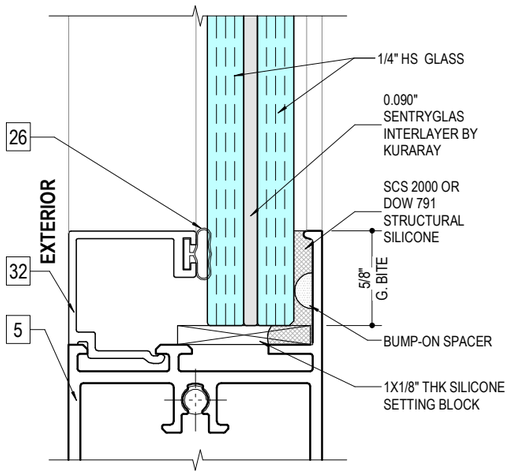
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-52599 FAX. (305) 885-5902

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-22-2025

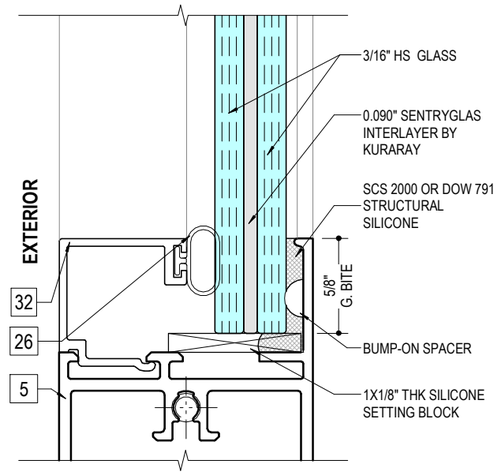
GLAZING DETAILS

FL#47220.1



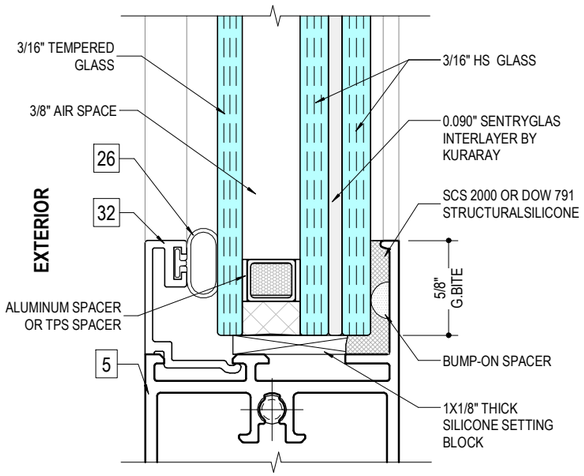
1/110 **GL 1 -9/16" LAMINATED GLASS (SGP)**

N.T.S



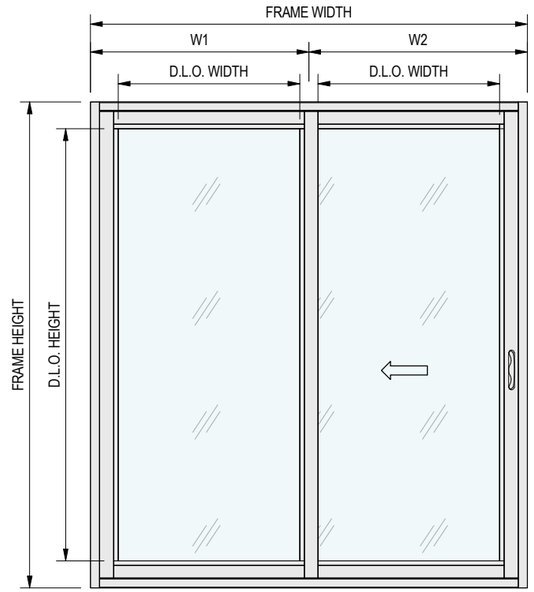
2/110 **GL 2 - 7/16" LAMINATED GLASS (SGP)**

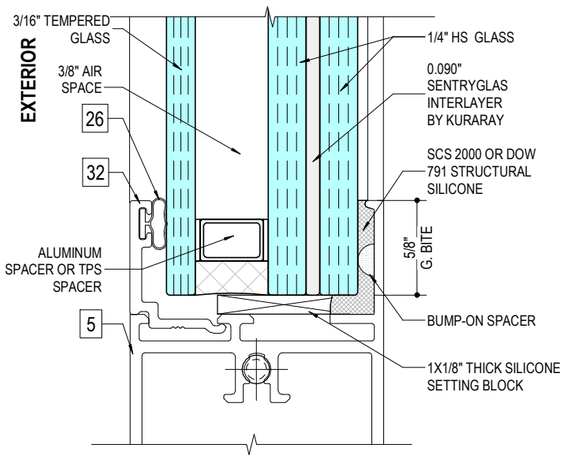
N.T.S



3/110 **GL 3 - 1-1/16" INSULATED GLASS (SGP)**

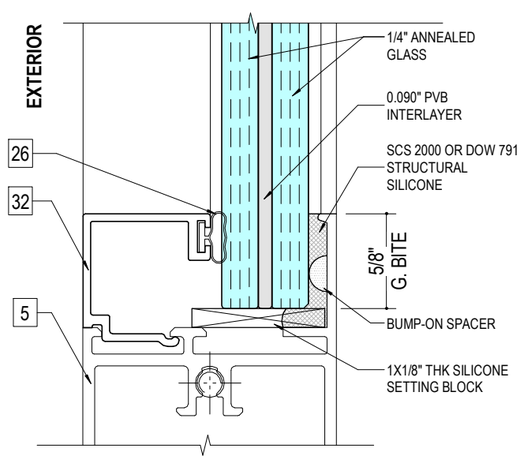
N.T.S





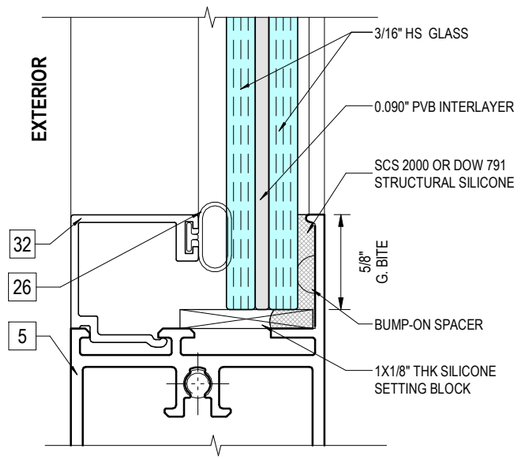
5/110 **GL 4 - 1-1/4" INSULATED GLASS (SGP)**

N.T.S



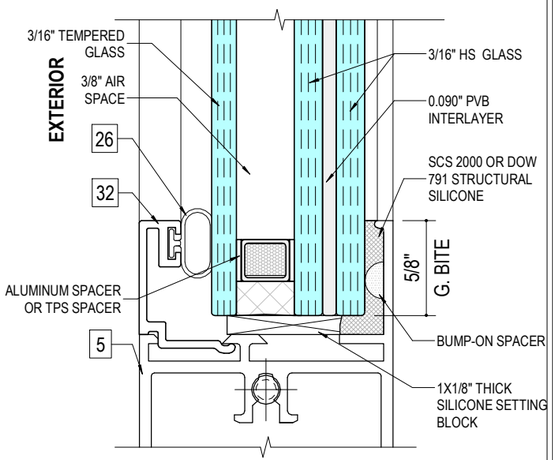
6/110 **GL 5 - 9/16" LAMINATED GLASS (PVB)**

N.T.S



7/110 **GL 6 - 7/16" LAMINATED GLASS (PVB)**

N.T.S



9/110 **GL 7 - 1-1/16" INSULATED GLASS (PVB)**

N.T.S

FOR GLASS DESIGN PRESSURE CALCULATION -

D.L.O. HEIGHT = FRAME HEIGHT - 8-15/16"

REFER TO ELEVATION FOR D.L.O FORMULA

FOR SYSTEMS WITH MULTIPLE D.L.O. WIDTHS, THE LARGEST WIDTH SHALL GOVERN THE DESIGN PRESSURES OF THE SYSTEM.

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drawing no.	JA-1321-25	drawn by:	AK
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REVISION			
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ECO-NOVO SERIES: 775 SLIDING DOOR SYSTEM
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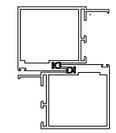
PRESSURE CHARTS

FL#47220.1

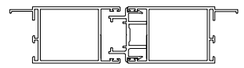
ALLOWABLE PRESSURE CAPACITY OF GLASS								
D.L.O. DIMENSIONS (IN.)		DESIGN PRESSURE (PSF)						
WIDTH	HEIGHT	GL-1	GL-2	GL-3	GL-4	GL-5	GL-6	GL-7
24	69	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
30		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
36		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
43 1/4		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
49 5/16		+55/-60	+55/-60	+55/-60	+55/-60	-	-	-
55 3/16		+55/-60	+55/-60	+55/-60	+55/-60	-	-	-
24	75	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
30		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
36		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
43 1/4		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
49 5/16		+55/-60	+55/-60	+55/-60	+55/-60	-	-	-
55 3/16		+55/-60	+55/-60	+55/-60	+55/-60	-	-	-
24	81	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
30		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
36		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
43 1/4		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
49 5/16		+55/-60	+55/-60	+55/-60	+55/-60	-	-	-
55 3/16		+55/-60	+55/-60	+55/-60	+55/-60	-	-	-
	87	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
30		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
36		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
43 1/4		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
49 5/16		+55/-60	+55/-60	+55/-60	+55/-60	-	-	-
55 3/16		+55/-60	+55/-60	+55/-60	+55/-60	-	-	-
24	93	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
30		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
36		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
43 1/4		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
49 5/16		+55/-60	+55/-60	+55/-60	+55/-60	-	-	-
55 3/16		+55/-60	+55/-60	+55/-60	+55/-60	-	-	-
24	99	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
30		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
36		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
43 1/4		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
49 5/16		+55/-60	+55/-60	+55/-60	+55/-60	-	-	-
55 3/16		+55/-60	+55/-60	+55/-60	+55/-60	-	-	-
24	104	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
30		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
36		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
43 1/4		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
49 5/16		+55/-60	+55/-60	-	+55/-60	-	-	-
55 3/16		+55/-60	+55/-60	-	+55/-60	-	-	-
24	111	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
30		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
36		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
43 1/4		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
49 5/16		+55/-60	+55/-60	+55/-60	+55/-60	-	-	-
55 3/16		+55/-60	-	-	+55/-60	-	-	-

ALLOWABLE PRESSURE CAPACITY OF MULLION								
DIMENSIONS (IN.)		DESIGN PRESSURE (PSF)						
		ASTRAGAL			INTERLOCK			
TRIB. WIDTH	FRAME HEIGHT	AST-1	AST-2	AST-3	IL-1	IL-2	IL-3	IL-4
30	78	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
36		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
42		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
48		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
54		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
60		-	+55/-60	+55/-60	-	+55/-60	+55/-60	+55/-60
30	84	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
36		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
42		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
48		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
54		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
60		-	+55/-60	+55/-60	-	+55/-60	+55/-60	+55/-60
30	90	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
36		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
42		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
48		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
54		-	+55/-60	+55/-60	-	+55/-60	+55/-60	+55/-60
60		-	+55/-60	+55/-60	-	-	+55/-60	+55/-60
30	96	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
36		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
42		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
48		+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60	+55/-60
54		-	+55/-60	+55/-60	-	-	+55/-60	+55/-60
60		-	+55/-60	+55/-60	-	-	+55/-60	+55/-60
30	102	-	+55/-60	+55/-60	-	+55/-60	+55/-60	+55/-60
36		-	+55/-60	+55/-60	-	+55/-60	+55/-60	+55/-60
42		-	+55/-60	+55/-60	-	+55/-60	+55/-60	+55/-60
48		-	+55/-60	+55/-60	-	+55/-60	+55/-60	+55/-60
54		-	+55/-60	+55/-60	-	-	+55/-60	+55/-60
60		-	-	+55/-60	-	-	-	+55/-60
30	108	-	+55/-60	+55/-60	-	+55/-60	+55/-60	+55/-60
36		-	+55/-60	+55/-60	-	+55/-60	+55/-60	+55/-60
42		-	+55/-60	+55/-60	-	+55/-60	+55/-60	+55/-60
48		-	+55/-60	+55/-60	-	+55/-60	+55/-60	+55/-60
54		-	-	+55/-60	-	-	-	+55/-60
60		-	-	+55/-60	-	-	-	+55/-60
30	114	-	+55/-60	+55/-60	-	-	+55/-60	+55/-60
36		-	+55/-60	+55/-60	-	-	+55/-60	+55/-60
42		-	+55/-60	+55/-60	-	-	+55/-60	+55/-60
48		-	+55/-60	+55/-60	-	-	+55/-60	+55/-60
54		-	-	+55/-60	-	-	-	+55/-60
60		-	-	+55/-60	-	-	-	+55/-60
30	120	-	+55/-60	+55/-60	-	-	+55/-60	+55/-60
36		-	+55/-60	+55/-60	-	-	+55/-60	+55/-60
42		-	+55/-60	+55/-60	-	-	+55/-60	+55/-60
48		-	+55/-60	+55/-60	-	-	+55/-60	+55/-60
54		-	-	+55/-60	-	-	-	+55/-60
60		-	-	+55/-60	-	-	-	+55/-60

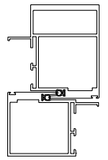
NOTE:
PLEASE SEE SHEET 110 FOR D.L.O. WIDTH AND HEIGHT CALCULATION.
MAX. D.L.O. WIDTH =55-3/16"
MAX. D.L.O. HEIGHT= 111"



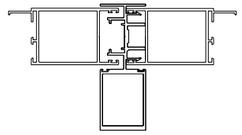
IL-1



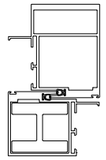
AST-1



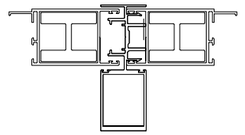
IL-2



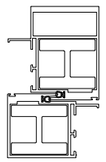
AST-2



IL-3

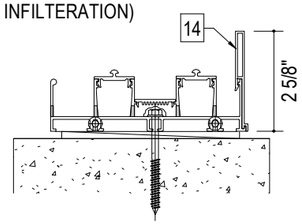


AST-3



IL-4

SILL RISER OPTIONS (SHOWN ON 2TRACK DOORS)
POSITIVE LOAD LIMITED AS FOLLOW DUE TO WATER INFILTERATION)



PD. MAX. 60 PSF

FOR MULLION DESIGN PRESSURE CALCULATIONS-

- TRIBUTARY WIDTH FOR INTERMEDIATE MULLION (TWm)

$$TWm = \frac{WTOTAL}{n}$$

- TRIBUTARY WIDTH FOR JAMB MULLION (TWj)

$$TWj = \frac{WTOTAL}{2*n}$$

WHERE
TWm: TRIBUTARY WIDTH FOR MULLION
TWj: TRIBUTARY WIDTH FOR JAMB
WTOTAL: OVERALL DOOR WIDTH
n: NUMBER OF PANELS

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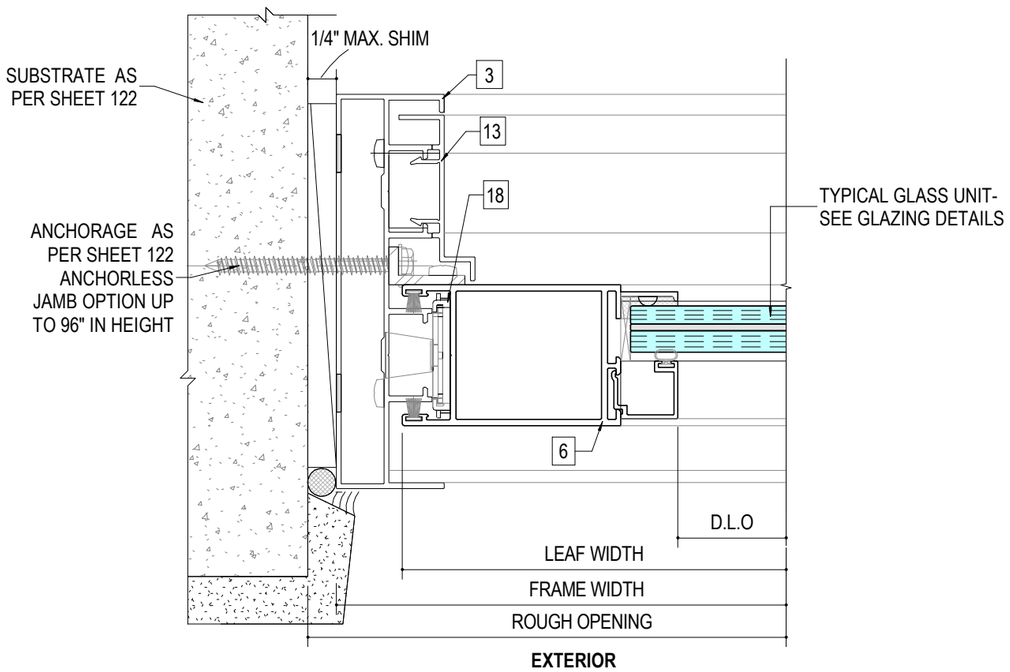
REVISION			
No.	DATE	BY	DESCRIPTION

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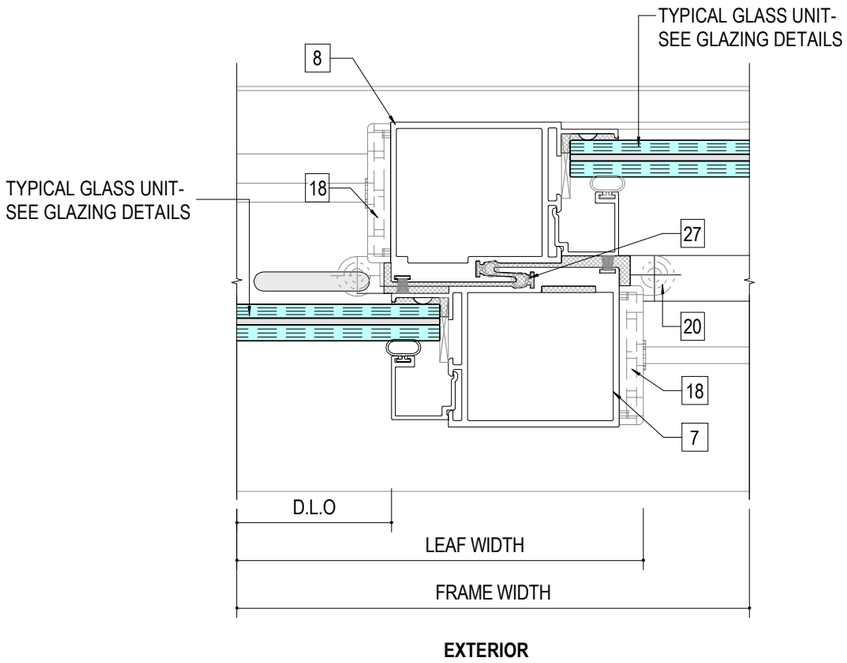
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-22-2025



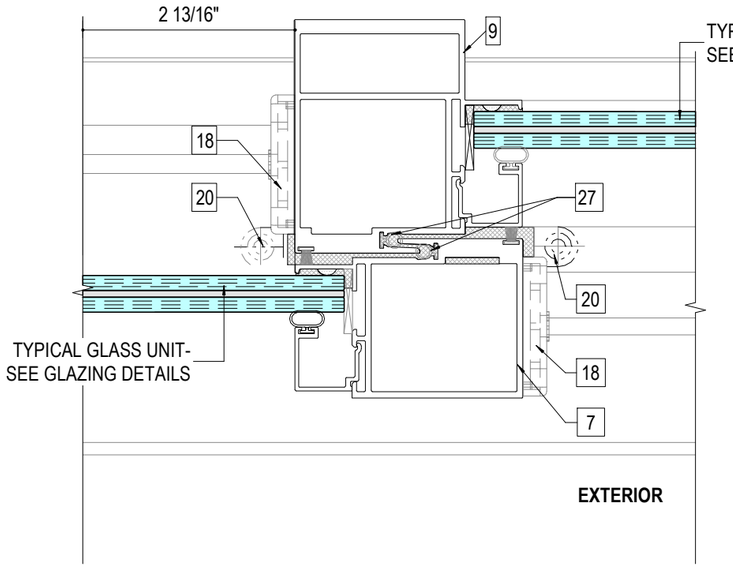
1/112 **DOOR JAMB DETAIL - TWO TRACK**

N.T.S



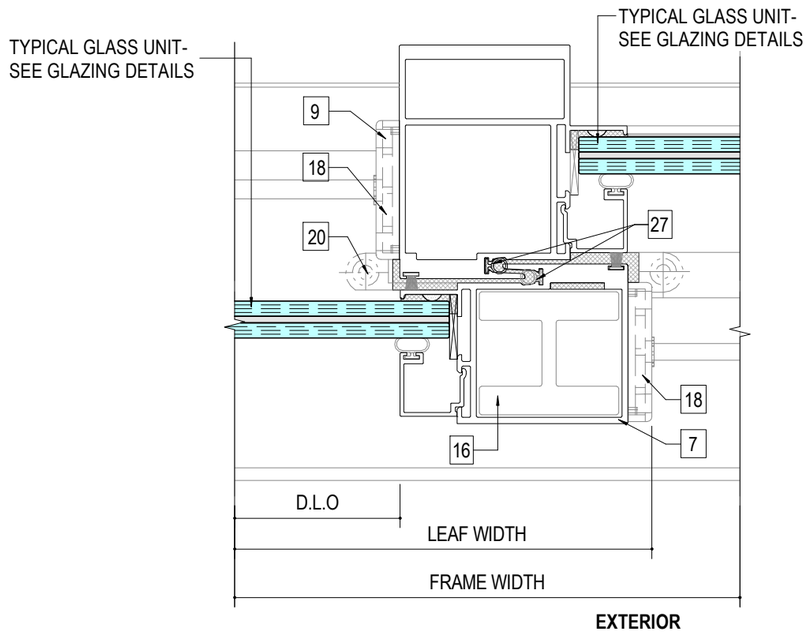
2/112 **DOOR INTERLOCK DETAIL (IL - 1)**

N.T.S



3/112 **DOOR REINFORCED INTERLOCK DETAIL (IL-2)**

N.T.S



4/112 **DOOR REINFORCED INTERLOCK DETAIL (IL-3)**

N.T.S

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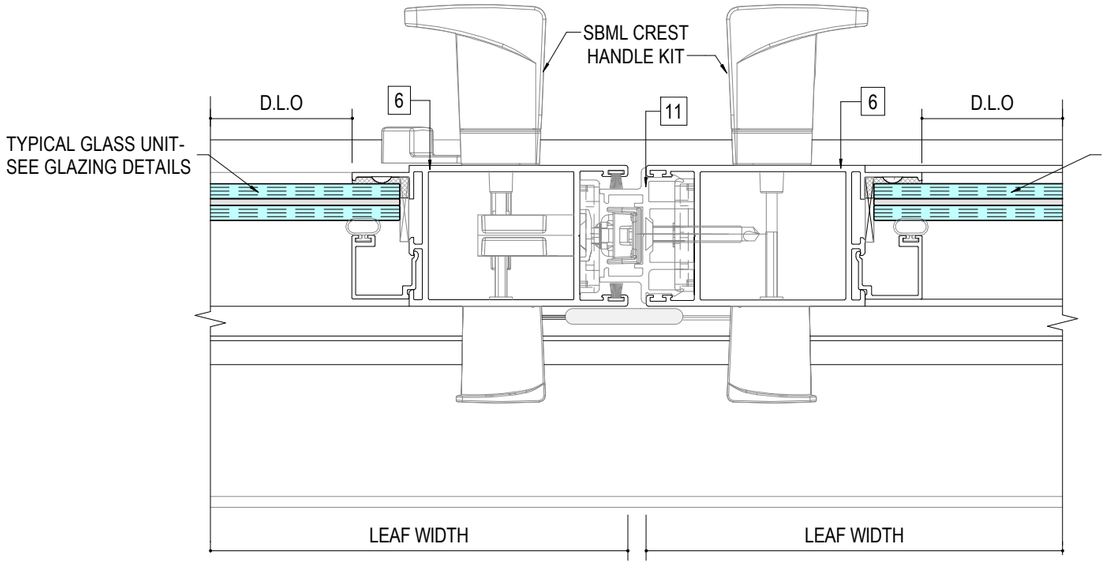
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SEALED: 10-22-2025

SECTIONAL DETAILS- HORIZONTAL

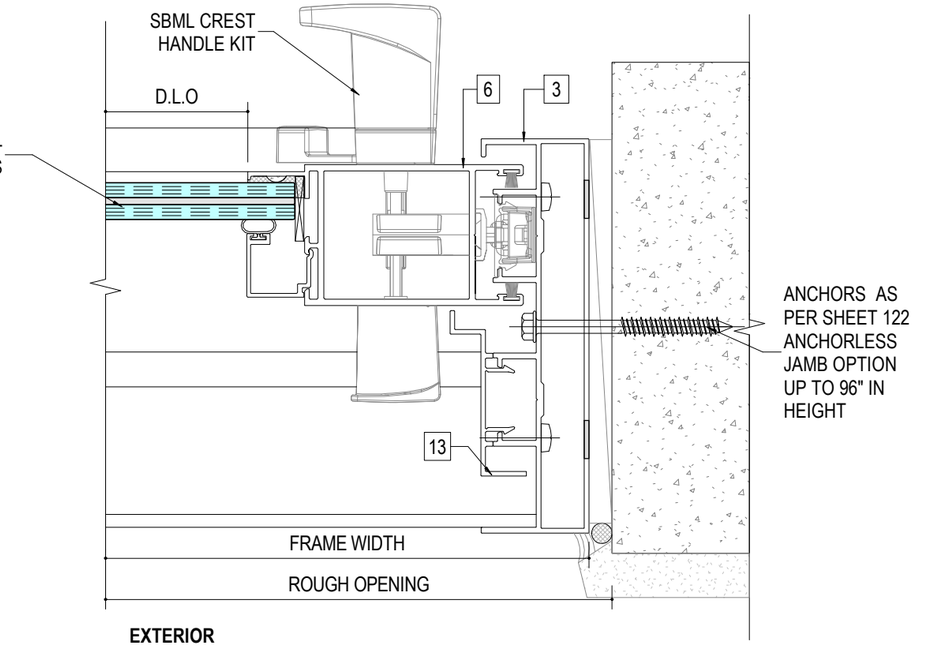
FL#47220.1



EXTERIOR

1 / 113 STANDARD ASTRAGAL DETAIL (AST - 1)

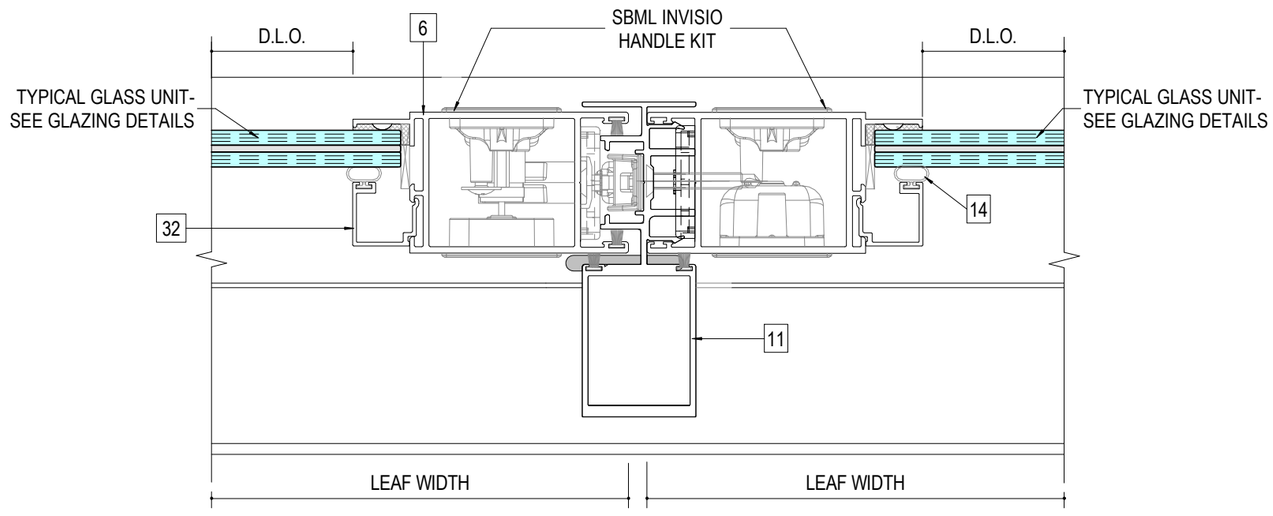
N.T.S



EXTERIOR

2 / 113 TYPICAL LOCKING JAMB DETAIL-2 TRACK

N.T.S



EXTERIOR

3 / 113 REINFORCED ASTRAGAL DETAIL (AST -2)

N.T.S

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drawing no.	JA-1321-25	drawn by:	AK
date:	10-21-2025	check by:	MK

REVISION			
No.	DATE	BY	DESCRIPTION

ECO-NOVO SERIES: 775 SLIDING DOOR SYSTEM
(LARGE AND SMALL MISSILE IMPACT RATED)

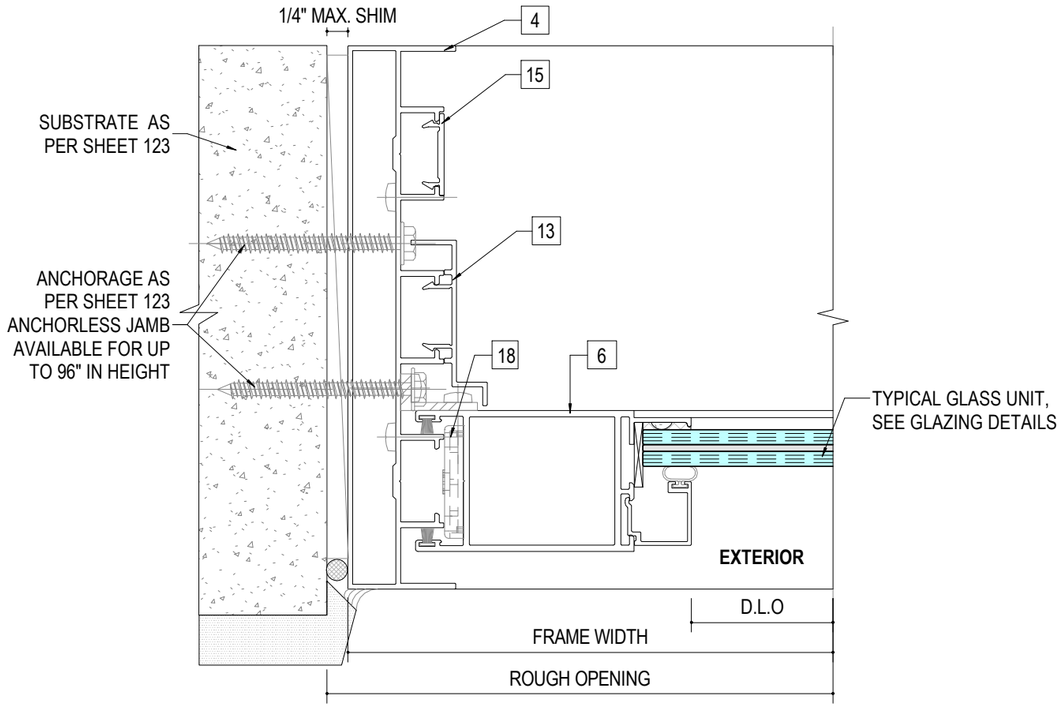
ECO WINDOW SYSTEMS, LLC.
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TEL. (305) 885-52599 FAX. (305) 885-5902

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

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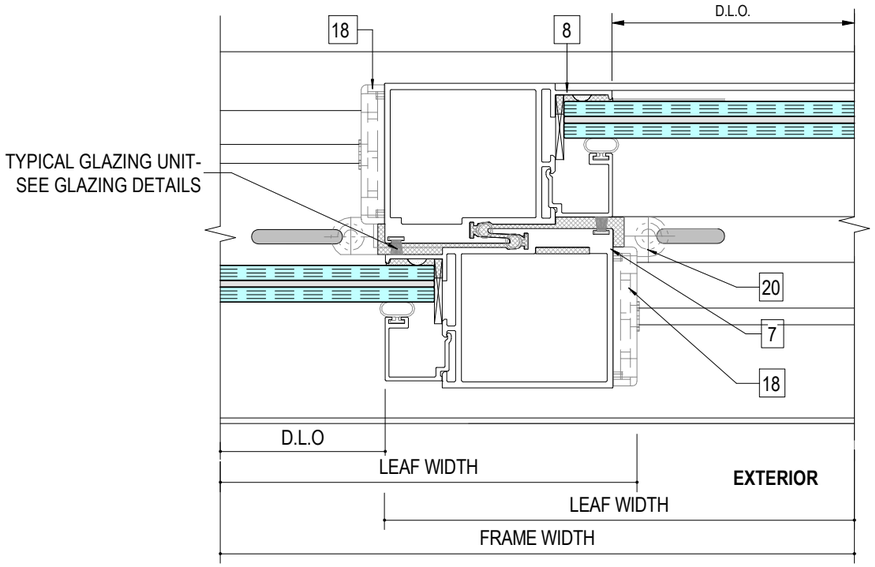
SECTIONAL DETAILS - HORIZONTAL

FL#47220.1



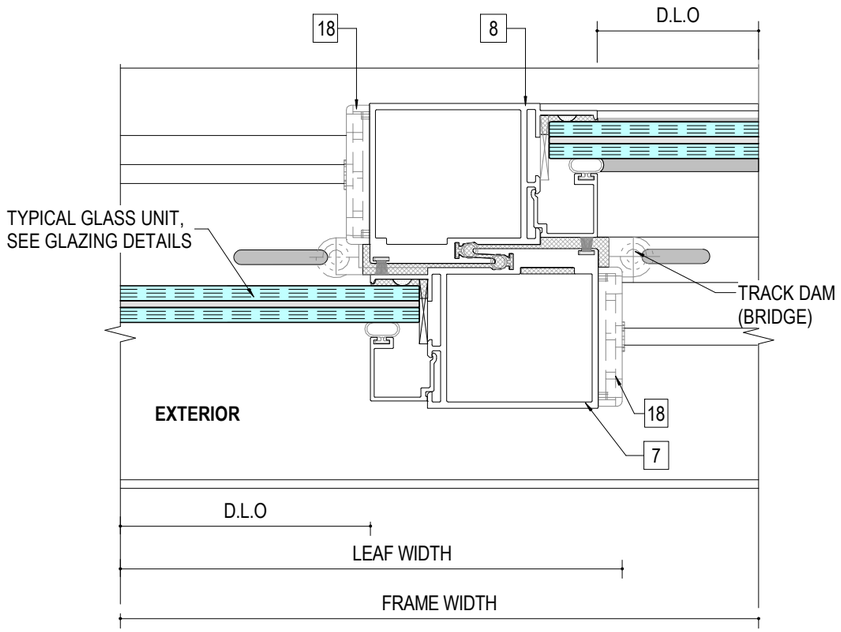
1 / 114 **JAMB STILE DETAIL - 3 TRACK**

N.T.S



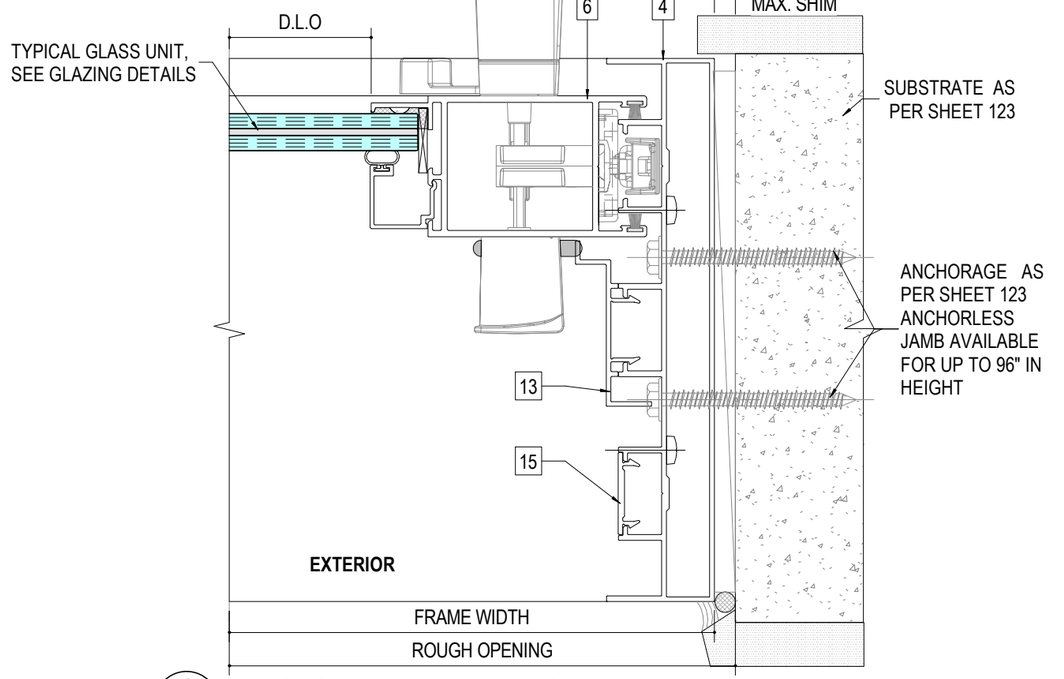
2 / 114 **INTERLOCK DETAIL - 3 TRACK 1**

N.T.S



3 / 114 **INTERLOCK INTERMEDIATE DETAIL - 3 TRACK 2**

N.T.S



4 / 114 **LOCK STILE DETAIL - 3 TRACK**

N.T.S

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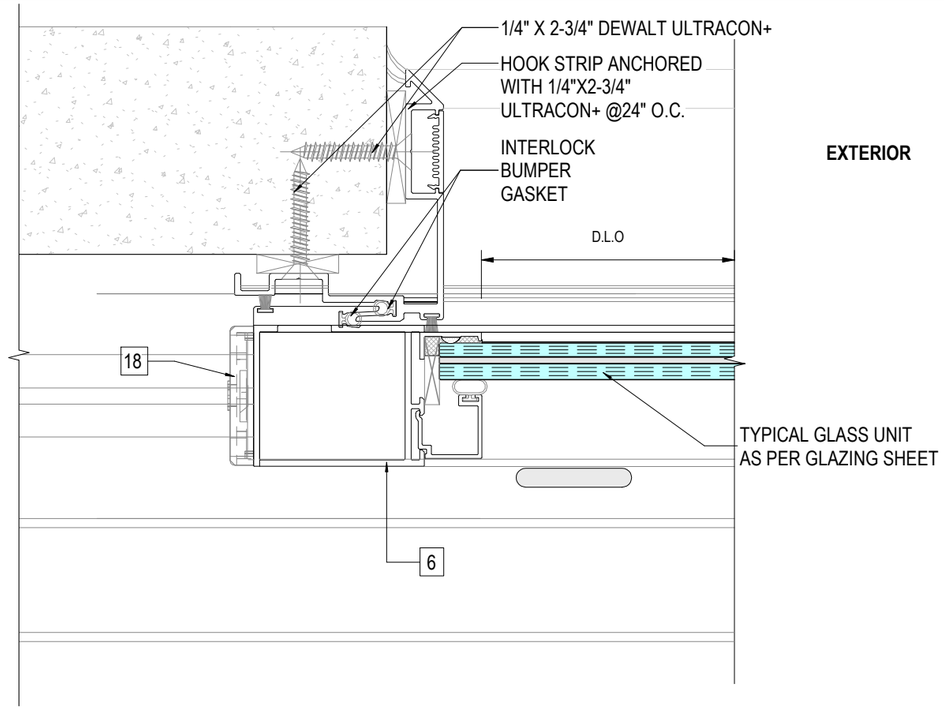
REVISION			
No.	DATE	BY	DESCRIPTION

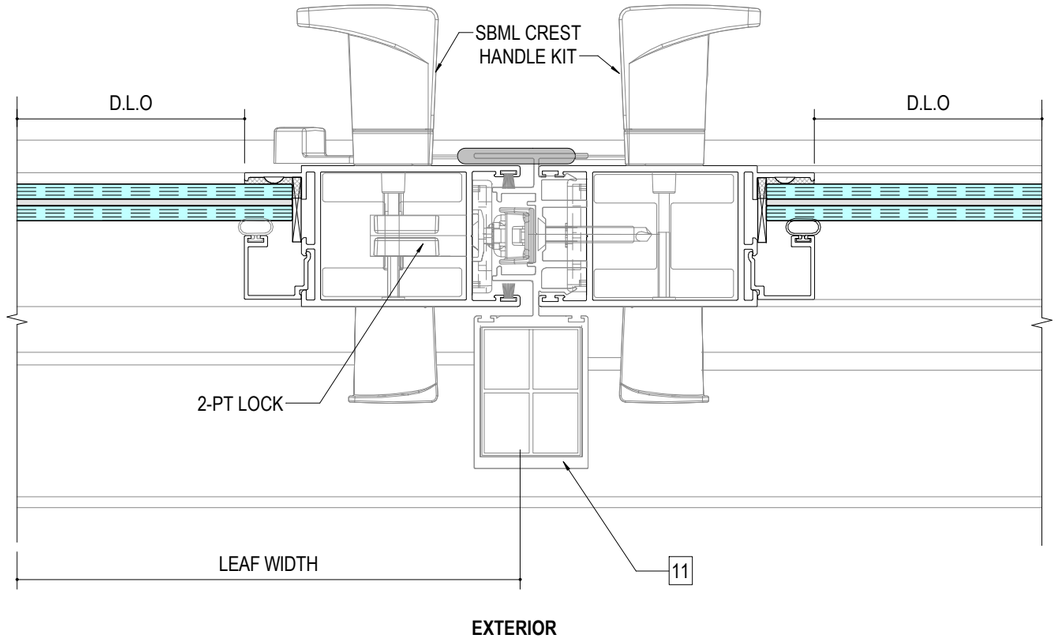
ECO-NOVO SERIES: 775 SLIDING DOOR SYSTEM
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window systems
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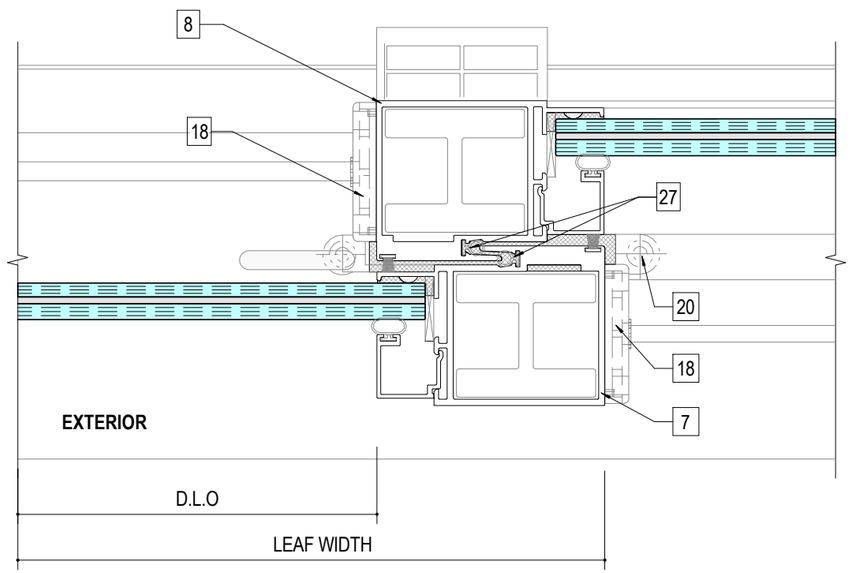
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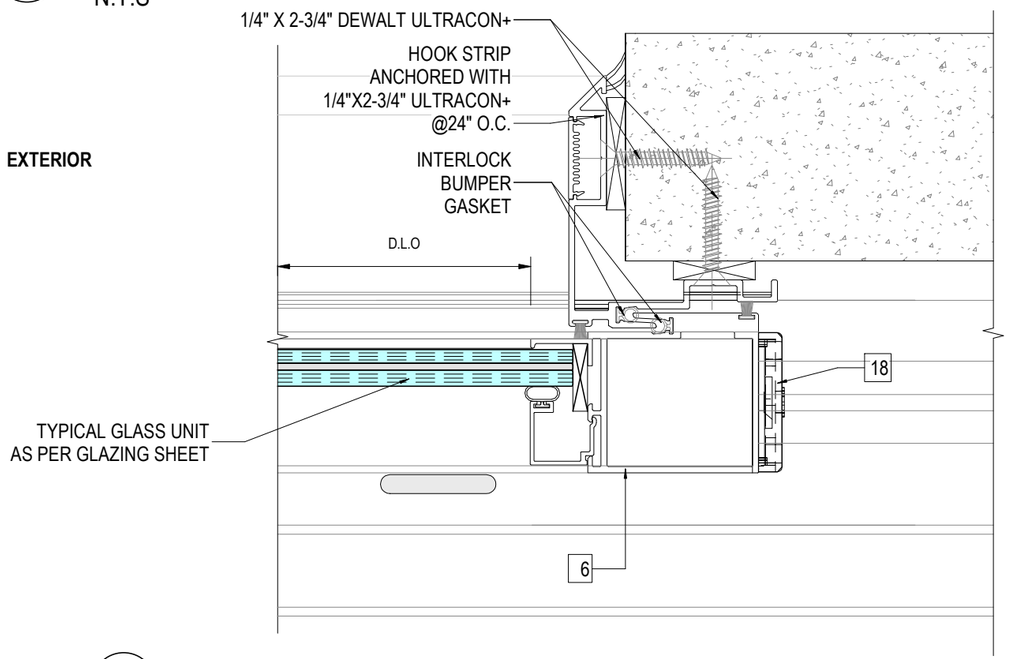
1 / 115 DOOR JAMB HOOK STRIP DETAIL

N.T.S



2 / 115 STANDARD ASTRAGAL DETAIL (AST - 3)

N.T.S



3 / 115 DOOR INTERLOCK DETAIL (IL - 4)

N.T.S

4 / 115 DOOR JAMB HOOK STRIP DETAIL 1

N.T.S

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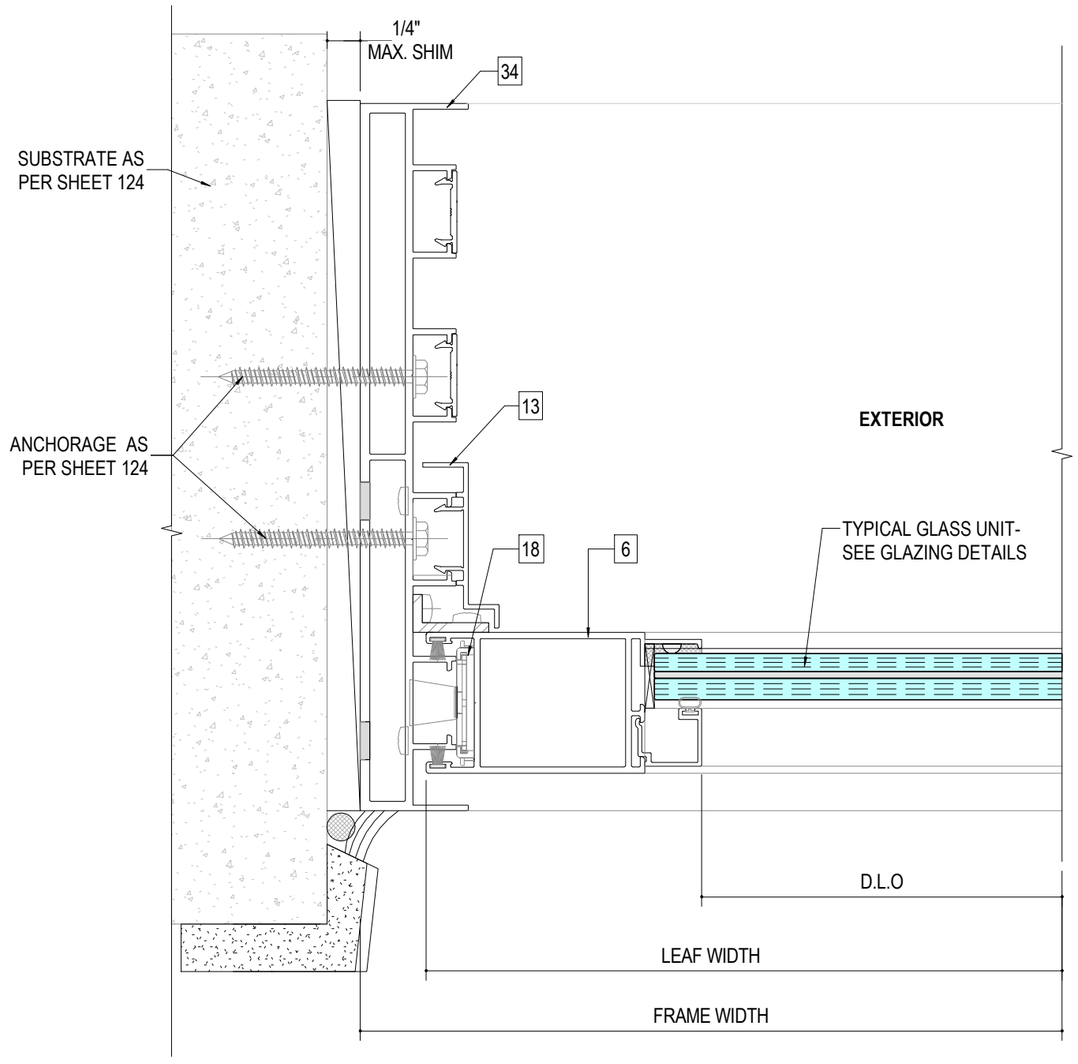
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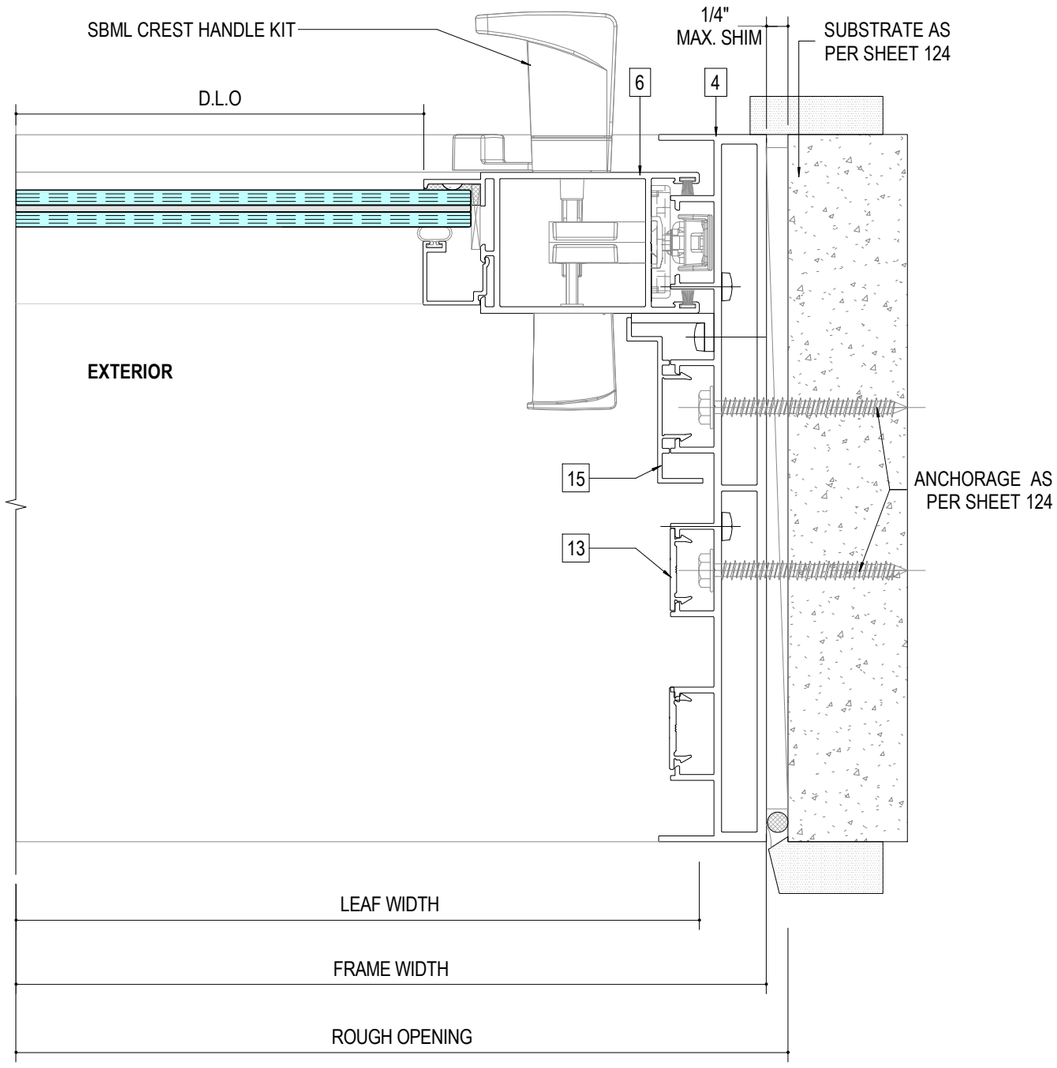
SECTIONAL DETAILS - HORIZONTAL

FL#47220.1



1 / 116 **DOOR JAMB DETAIL - 4 TRACK**

N.T.S



2 / 116 **LOCK STILE DETAIL - 4 TRACK**

N.T.S

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ECO-NOVO SERIES: 775 SLIDING DOOR SYSTEM
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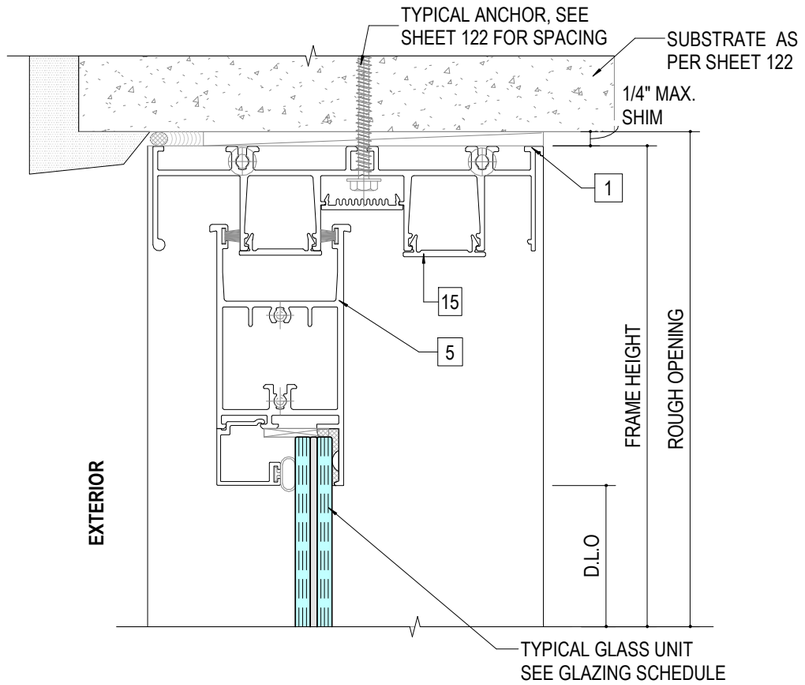
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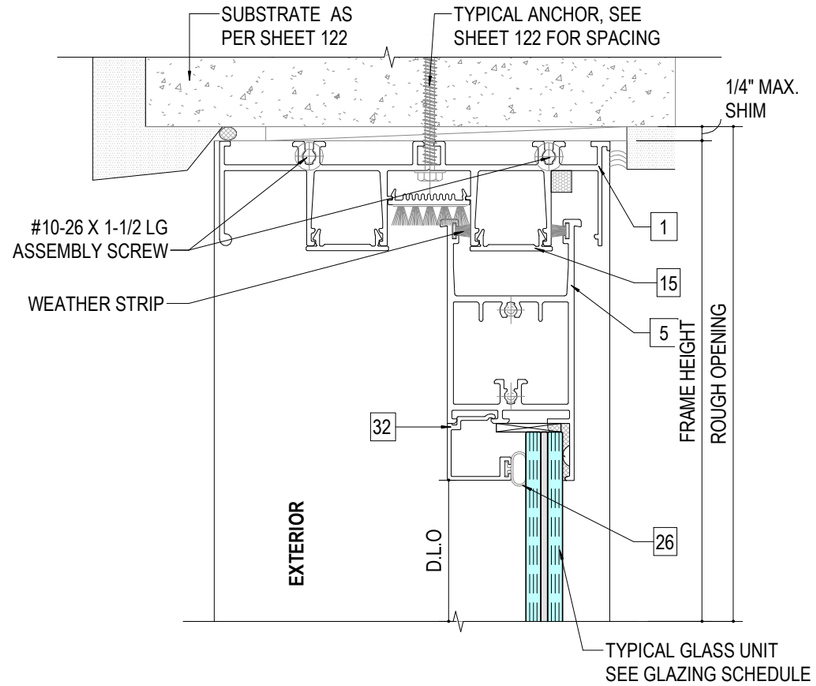
SECTIONAL DETAILS - VERTICAL

FL#47220.1



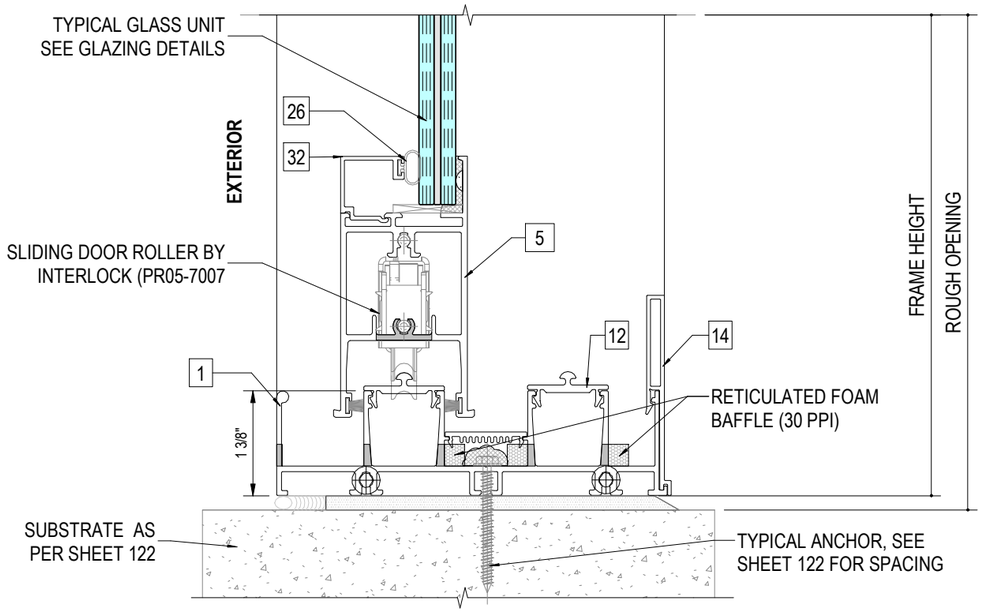
1 / 117 **DOOR HEAD DETAIL - 2 TRACK (INACTIVE)**

N.T.S



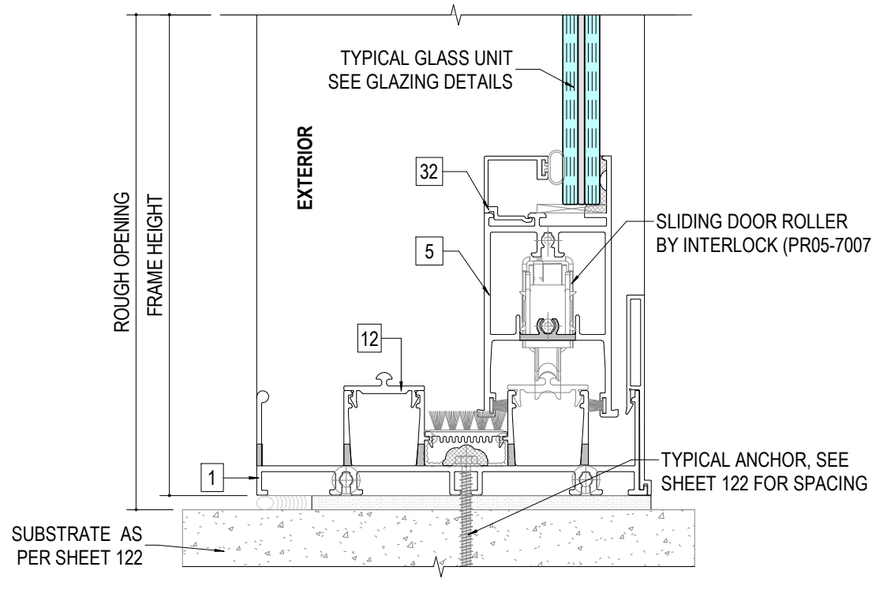
2 / 117 **DOOR HEAD DETAIL- 2 TRACK (ACTIVE)**

N.T.S



3 / 117 **DOOR SILL DETAIL - 2 TRACK (INACTIVE)**

N.T.S



4 / 117 **DOOR SILL DETAIL - 2 TRACK (ACTIVE)**

N.T.S

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date:

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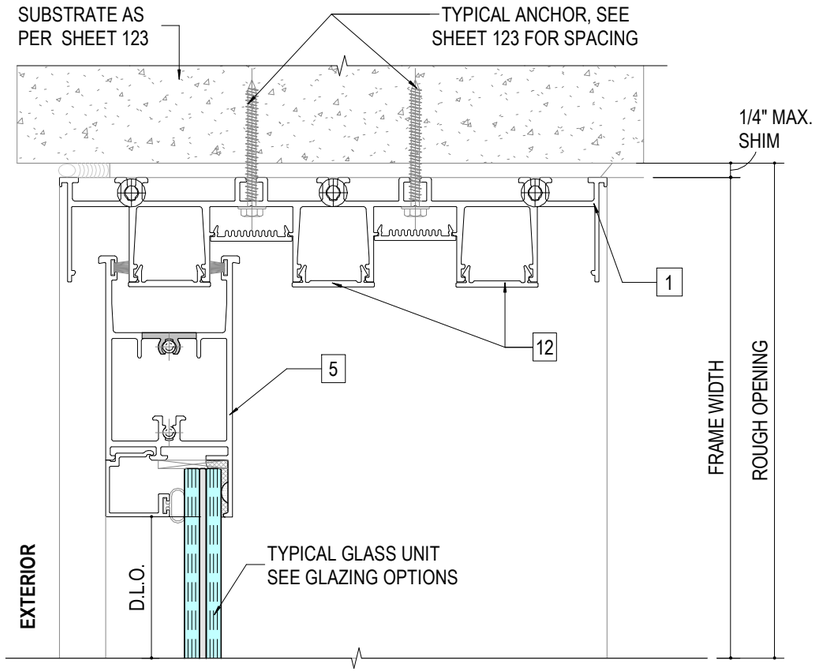
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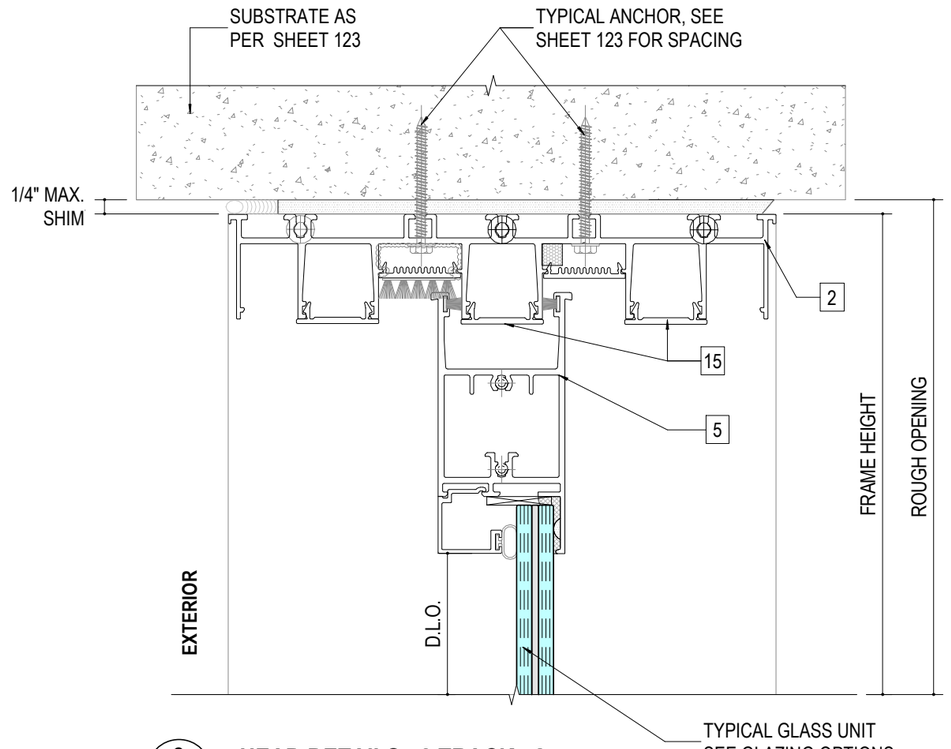
SECTIONAL DETAILS - VERTICAL

FL#47220.1



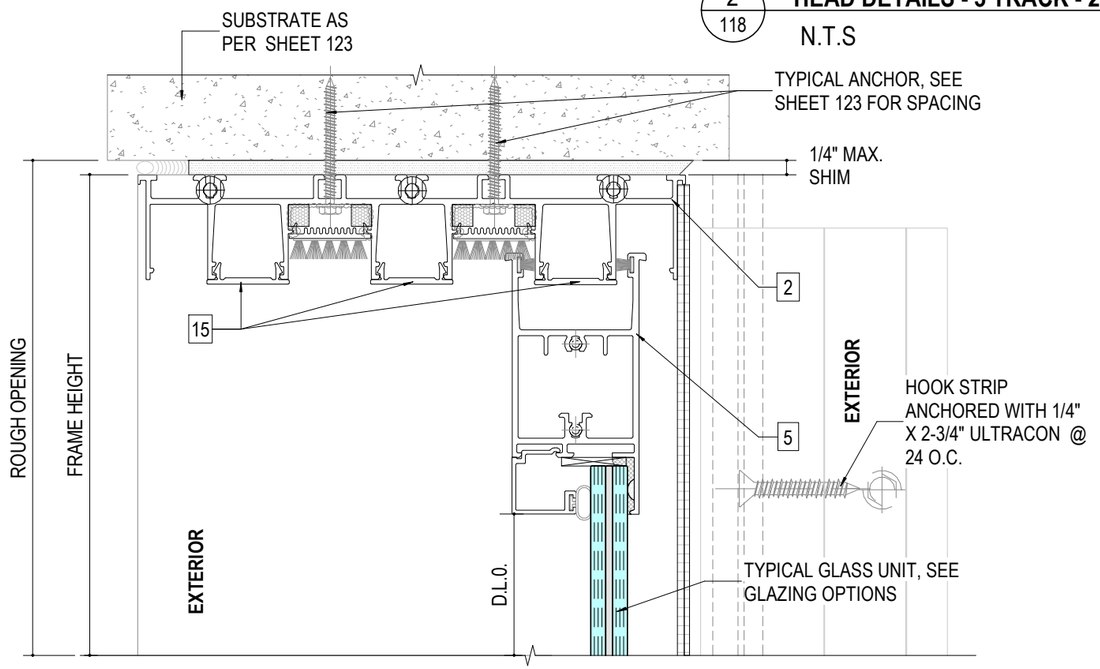
1/118 **HEAD DETAILS - 3 TRACK - 1**

N.T.S



2/118 **HEAD DETAILS - 3 TRACK - 2**

N.T.S



3/118 **HEAD DETAILS - 3 TRACK - 3**

N.T.S

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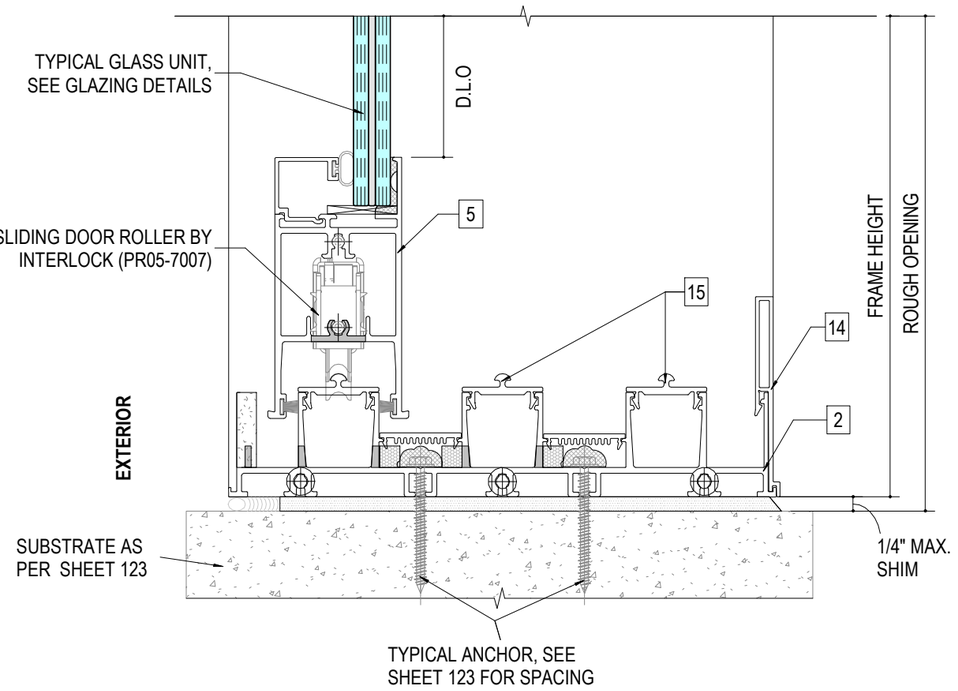
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STATE OF FLORIDA
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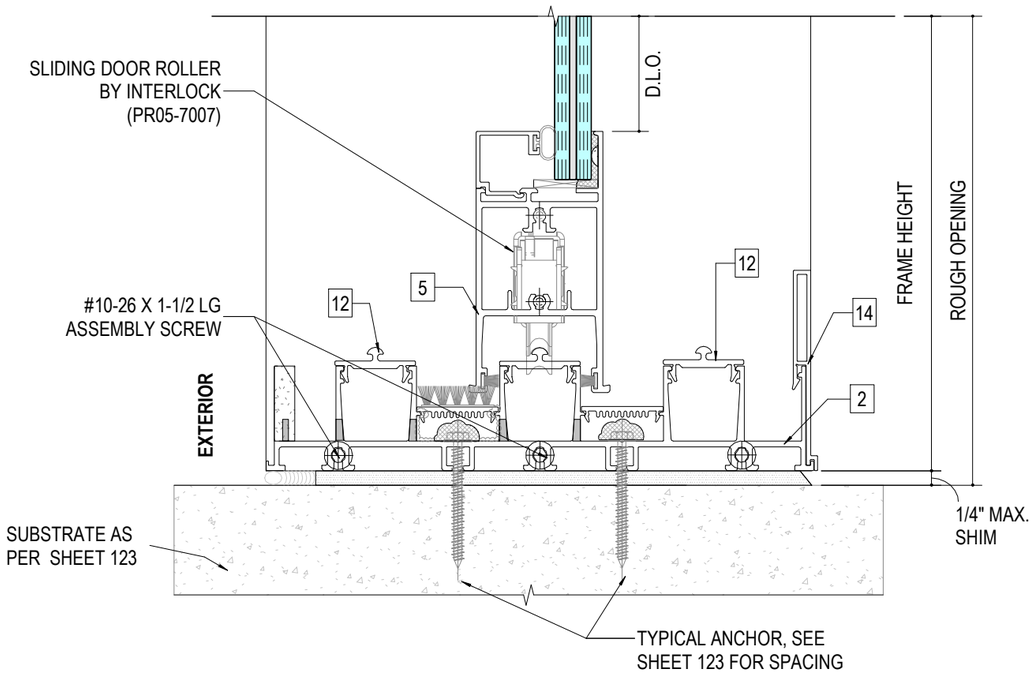
SECTIONAL DETAILS- VERTICAL

FL#47220.1



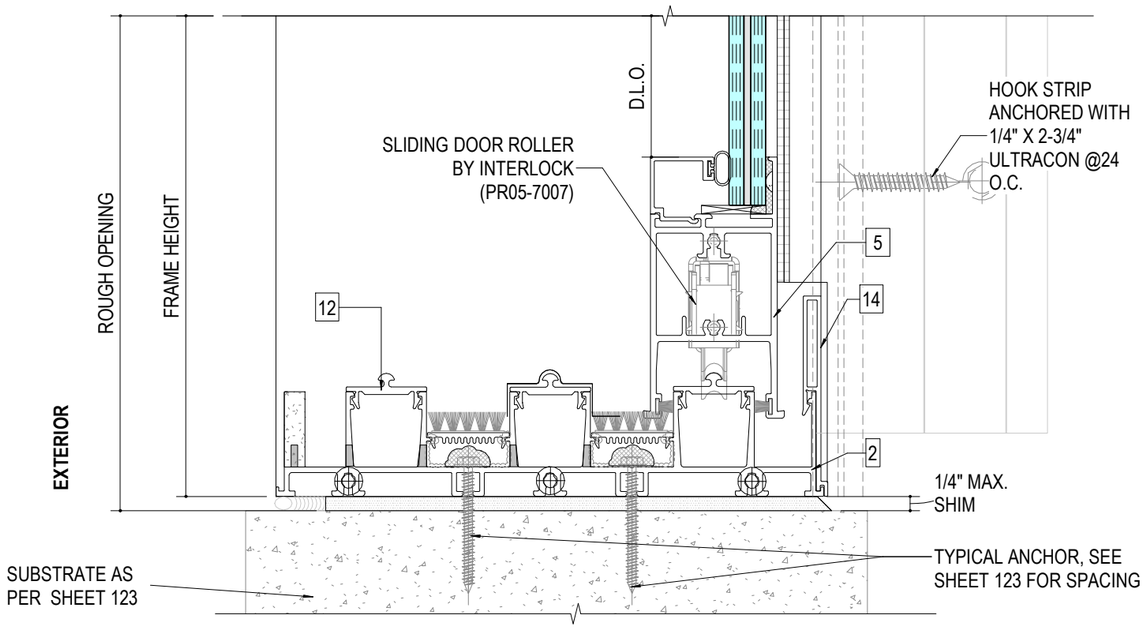
1 / 119 **SILL DETAILS - 3 TRACK - 1**

N.T.S



2 / 119 **SILL DETAILS - 3 TRACK - 2**

N.T.S



3 / 119 **SILL DETAILS - 3 TRACK - 3**

N.T.S

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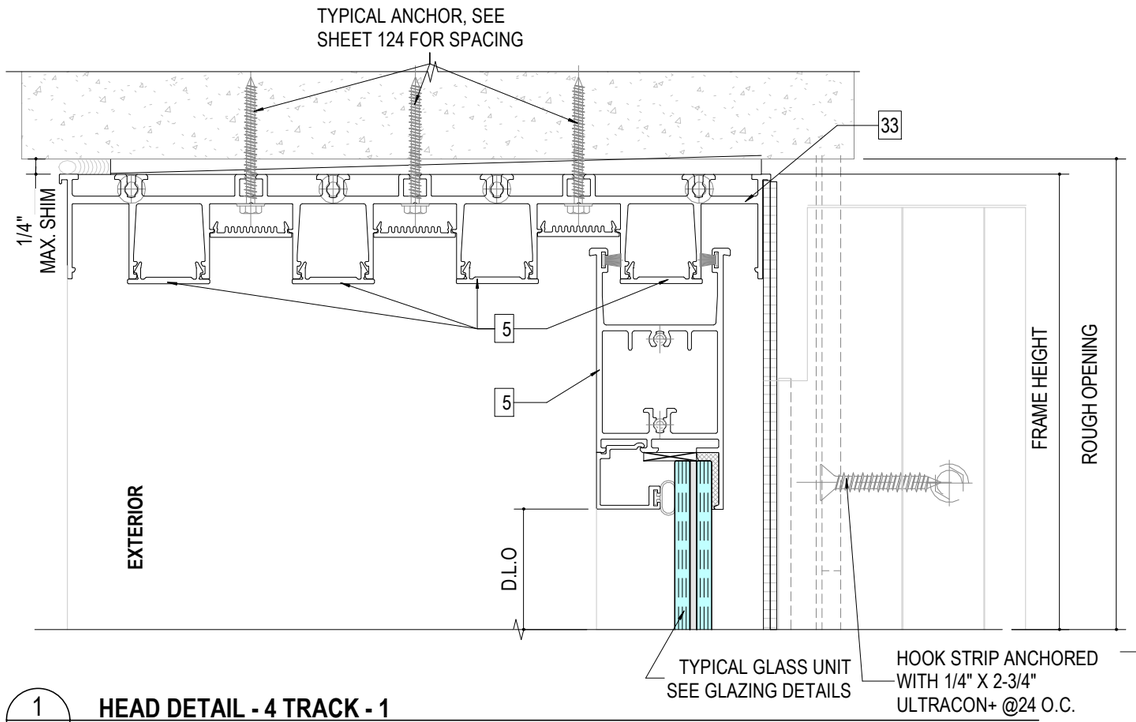
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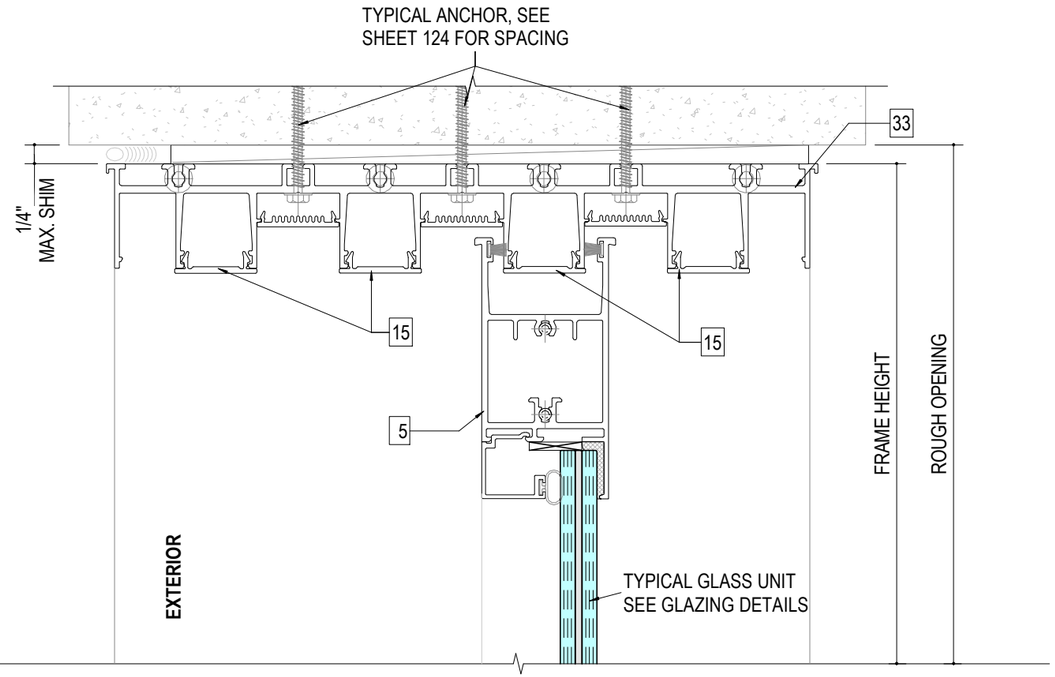
SECTIONAL DETAILS - VERTICAL

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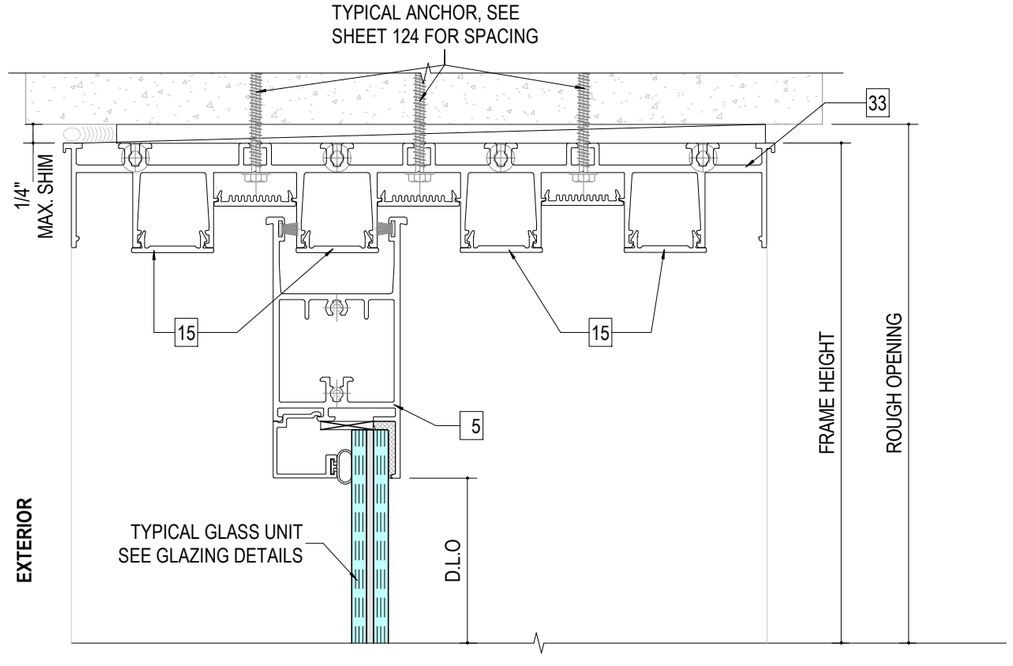
1/120 **HEAD DETAIL - 4 TRACK - 1**

N.T.S



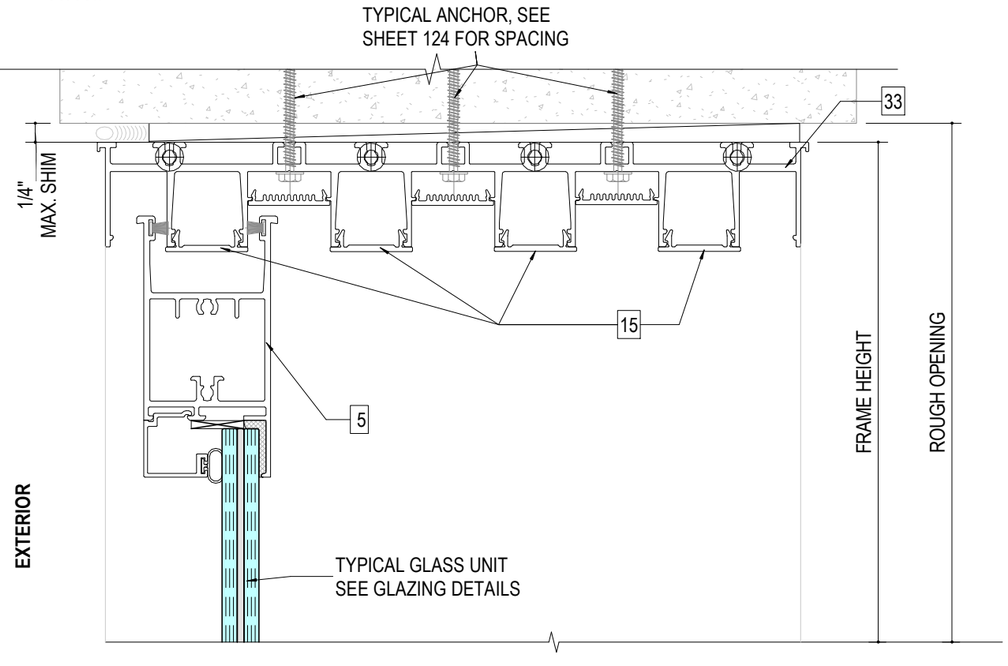
2/120 **HEAD DETAIL 4 TRACK - 2**

N.T.S



4/120 **HEAD DETAIL - 4 TRACK - 3**

N.T.S



3/120 **HEAD DETAIL - 4 TRACK - 4**

N.T.S

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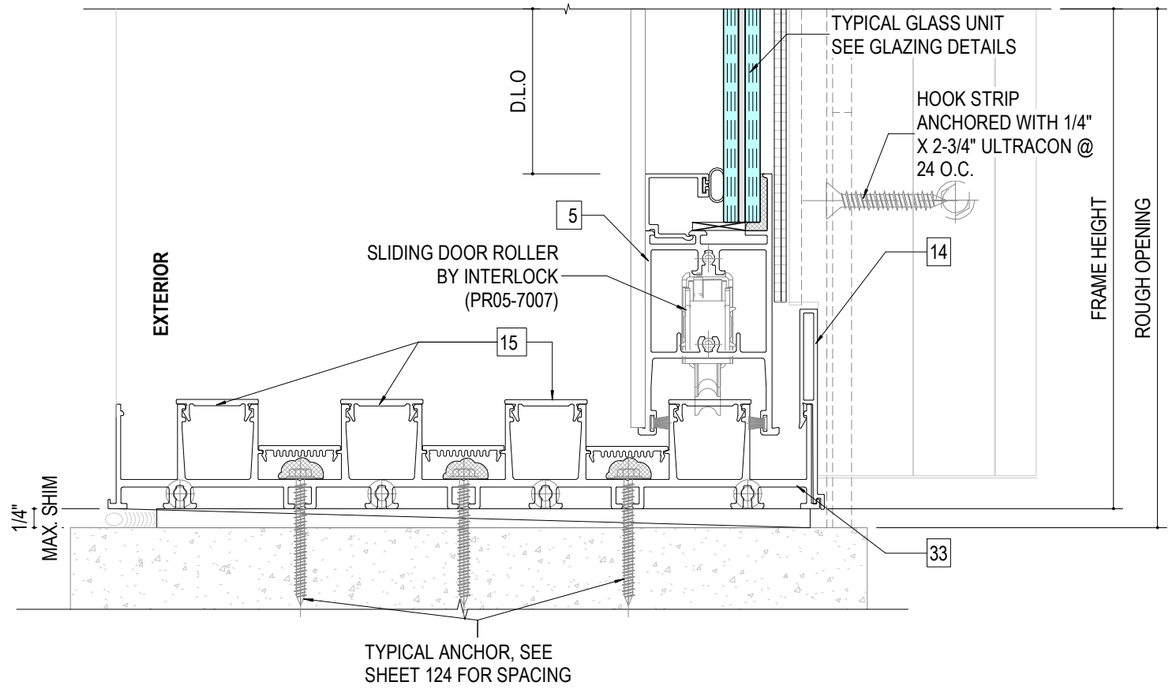
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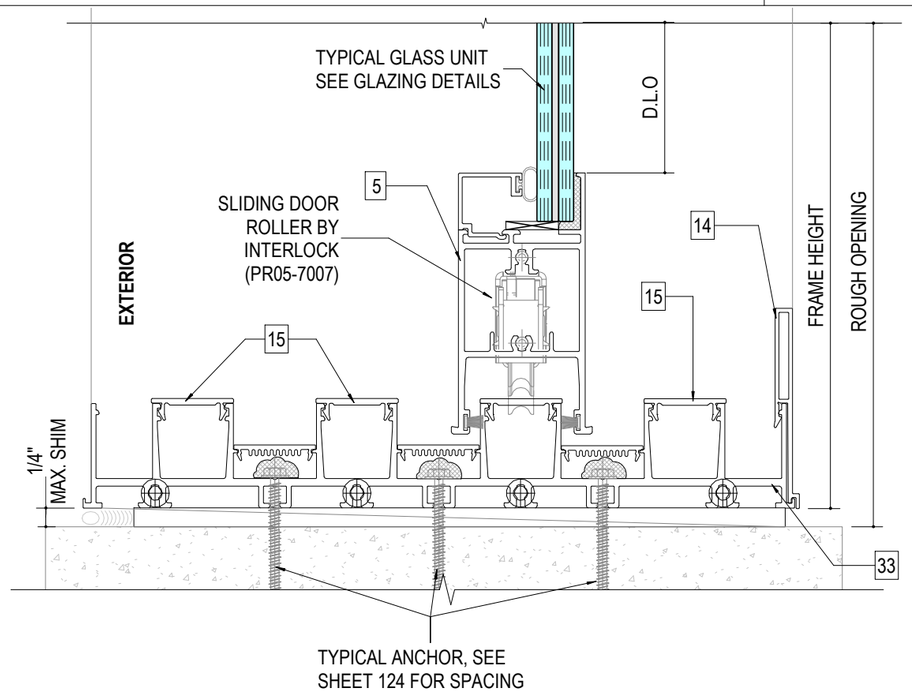
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SECTIONAL DETAILS- VERTICAL

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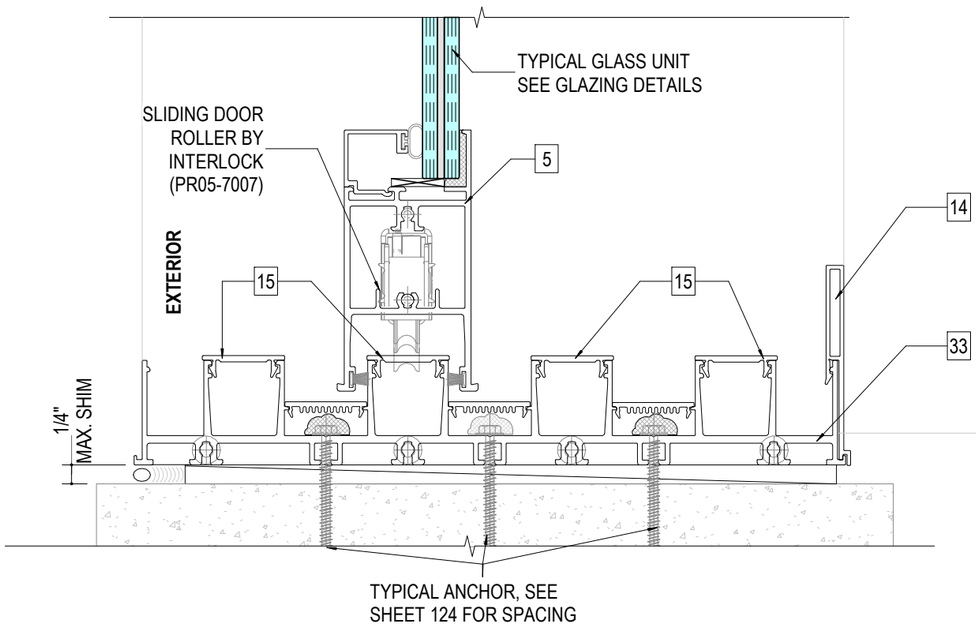


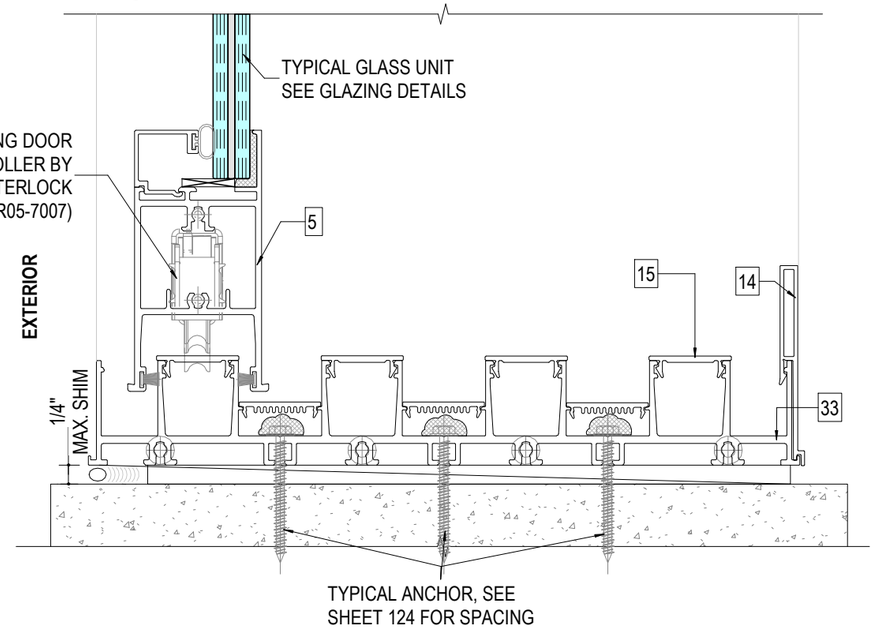
1 / 121 **SILL DETAIL -4 TRACK -1**

N.T.S

2 / 121 **SILL DETAIL -4 TRACK- 2**

N.T.S





3 / 121 **SILL DETAIL -4 TRACK -3**

N.T.S

4 / 121 **SILL DETAIL - 4 TRACK- 4**

N.T.S

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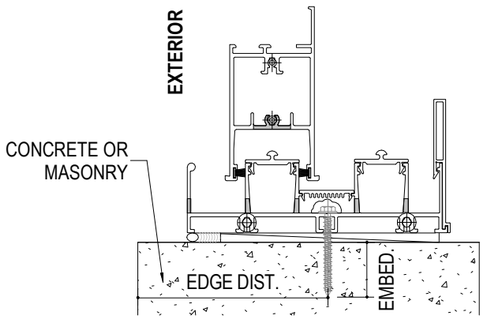
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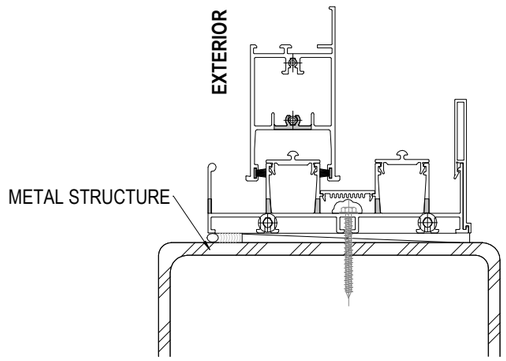
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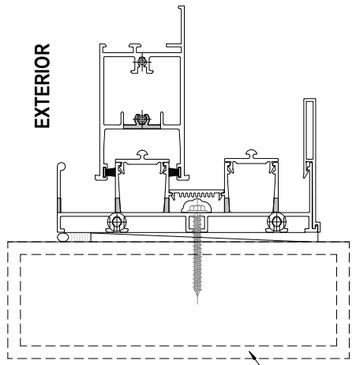
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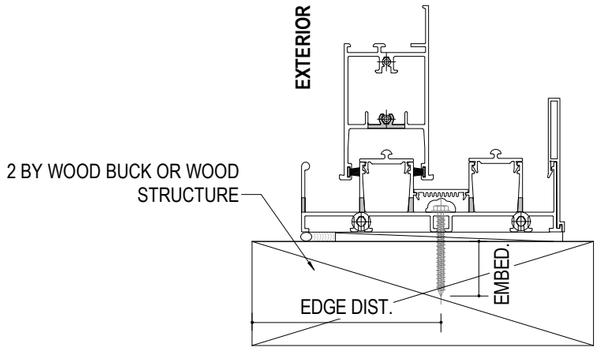
ANCHORAGE DETAILS - TWO TRACK

FL#47220.1



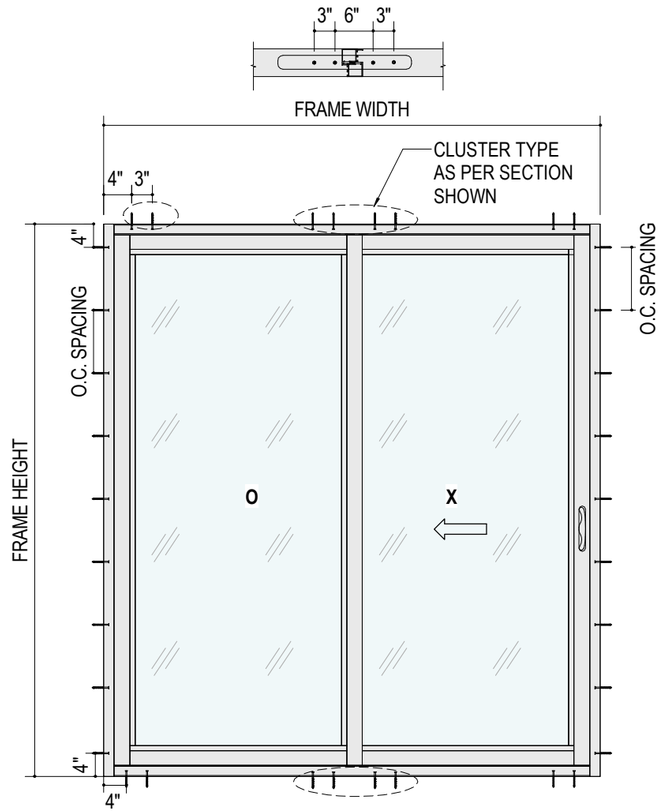






1 / 122 **ANCHORAGE IN DIFFERENT SUBSTRATES - TWO TRACK**

N.T.S



2 / 122 **TYPICAL ANCHORAGE LAYOUT - TWO TRACK**

N.T.S

TYPICAL ANCHOR TYPES:
(APPLIES TO ALL ANCHORS GOING THROUGH THE DOOR FRAME):

TYPE A -1/4" DEWALT ULTRACON+ (Fu = 177,000 PSI, Fy = 155,000 PSI)

- INTO 2BY WOOD WITH 1-1/2" MIN PENETRATION, AND 1-3/4" MIN EDGE DISTANCE
- THRU 1BY WOOD INTO CONCRETE OR GROUT FILLED MASONRY WITH 1-3/4" EMBEDMENT, 2-1/2" MIN EDGE DISTANCE, AND 24" O.C. SPACING INTO HEAD/SILL AND 14" O.C. SPACING ON JAMB
- THRU 1BY WOOD INTO HOLLOW MASONRY WITH 1-1/4" EMBEDMENT,2-1/2" MIN EDGE DISTANCE, AND 24" O.C. SPACING INTO HEAD/SILL AND 14" O.C. SPACING ON JAMB
- DIRECTLY INTO CONCRETE OR GROUT FILLED MASONRY WITH 1-3/4" EMBEDMENT, 2-1/2" MIN EDGE DISTANCE AND 24" O.C. SPACING ON HEAD/SILL AND 14" O.C ONJAMB.
- DIRECTLY INTO HOLLOW MASONRY WITH 1-1/4" EMBEDMENT, 2-1/2" MIN EDGE DISTANCE, AND 24" O.C. ON HEAD/SILL AND 14" O.C. ON JAMB

TYPE B - 1/4-20 SS SCREWS (GRADE 5 MIN)

- INTO 1/8" MIN. THK. ALUMINUM / STEEL WITH (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS, AND 3/4" MIN EDGE DISTANCE AND 24" O.C. SPACING ON HEAD/SILL AND 14" O.C. ON JAMB
- INTO MIN. 1/8" THK. APPROVED MULLIONS WITH (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS, AND 3/4" MIN EDGE DISTANCE AND 24" O.C. SPACING ON HEAD/SILL AND 14" O.C. SPACING ON JAMB

CLUSTER : (2) AT END MULLIONS AND (4) ANCHORS AT INTERMEDIATE MULLION AS PER LAYOUT

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.

SEALANTS:
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JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

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

drawing no.	JA-1321-25	drawn by:	AK
date:	10-21-2025	check by:	MK

REVISION

No.	DATE	BY	DESCRIPTION

ECO-NOVO SERIES: 775 SLIDING DOOR SYSTEM
(LARGE AND SMALL MISSILE IMPACT RATED)

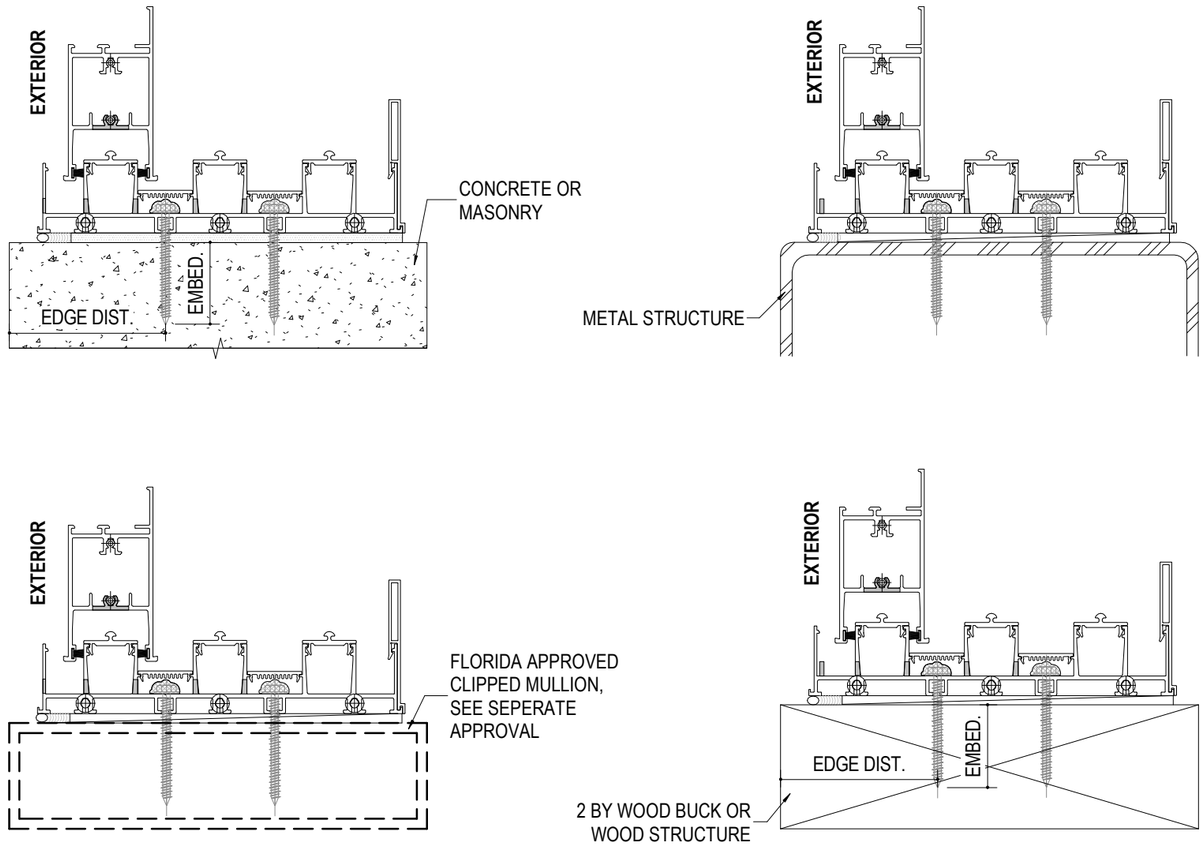
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-52599 FAX. (305) 885-5902

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-22-2025

ANCHORAGE DETAILS - THREE TRACK

FL#47220.1



1 / 123 ANCHORAGE IN DIFFERENT SUBSTRATES - THREE TRACK

N.T.S

TYPICAL ANCHOR TYPES:
(APPLIES TO ALL ANCHORS GOING THROUGH THE DOOR FRAME):

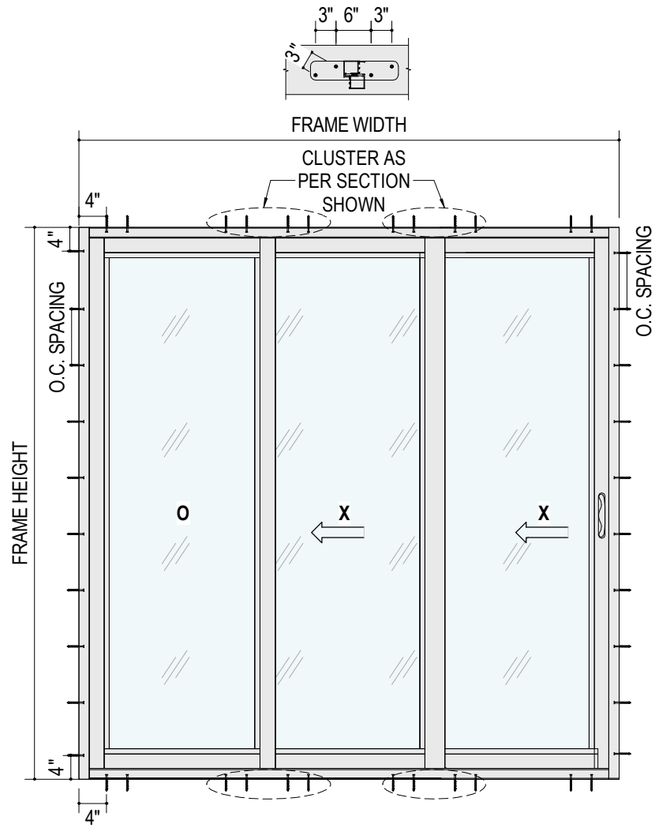
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CLUSTER: (2) AT END MULLIONS AND (4) ANCHORS AT INTERMEDIATE MULLION AS PER LAYOUT.



2 / 123 TYPICAL ANCHORAGE LAYOUT - THREE TRACK1

N.T.S

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 (MIN.)
- C-90 HOLLOW/GROUT FILLED MASONRY UNITS AT JAMBS f'M= 2000 PSI (MIN.)
- 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:
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SEALANTS:
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REVISION			
No.	DATE	BY	DESCRIPTION

drawing no. JA-1321-25 | drawn by: AK
date: 10-21-2025 | check by: MK

ECO-NOVO SERIES: 775 SLIDING DOOR SYSTEM
(LARGE AND SMALL MISSILE IMPACT RATED)

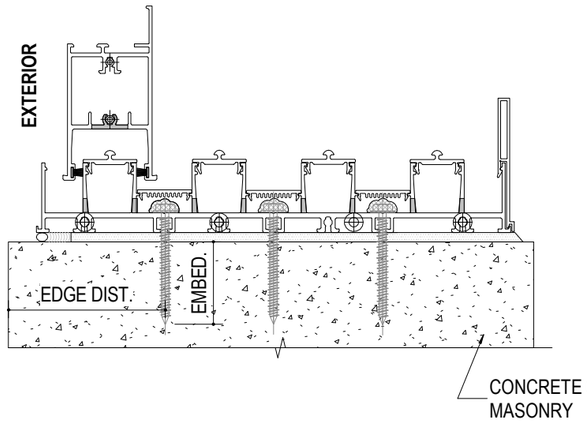
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-52599 FAX. (305) 885-5902

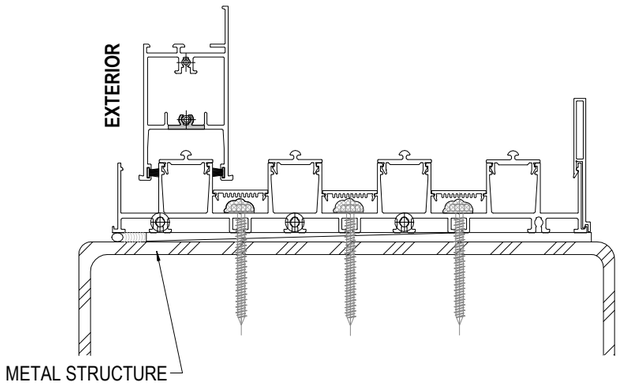
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

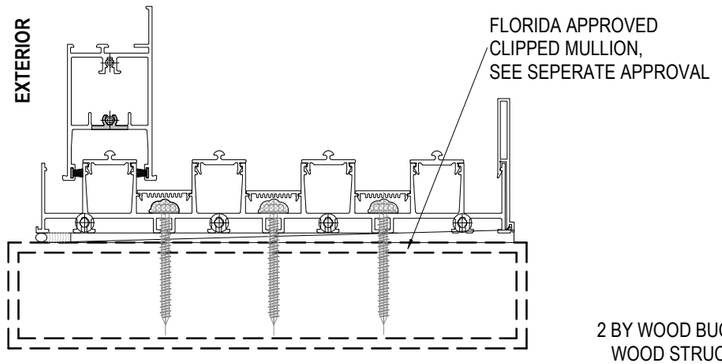
SEALED: 10-22-2025

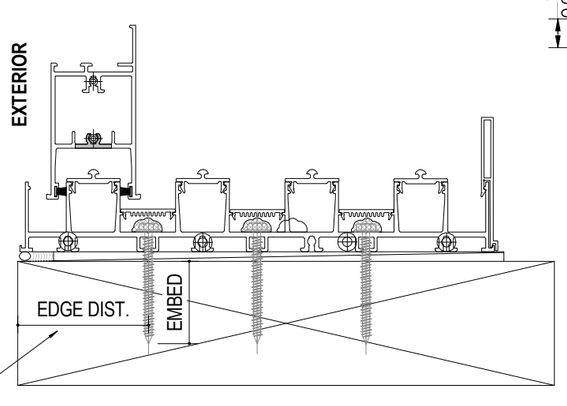
ANCHORAGE DETAILS - FOUR TRACK

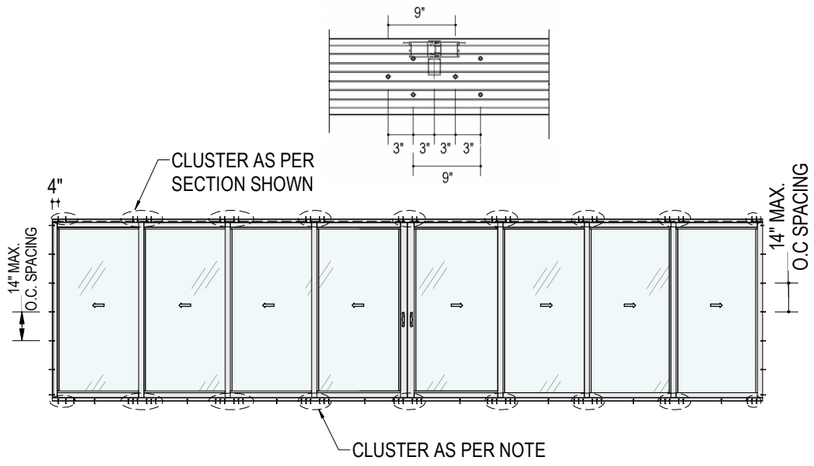
FL#47220.1











2 / 124 **TYPICAL ANCHORAGE LAYOUT - FOUR TRACK**

N.T.S

1 / 124 **ANCHORAGE IN DIFFERENT SUBSTRATES - FOUR TRACK**

N.T.S

TYPICAL ANCHOR TYPES:
(APPLIES TO ALL ANCHORS GOING THROUGH THE DOOR FRAME):

TYPE A -1/4" DEWALT ULTRACON+ (Fu = 177,000 PSI, Fy = 155,000 PSI)
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CLUSTER: (3) AT END MULLIONS AND (6) ANCHORS AT INTERMEDIATE MULLION AS PER LAYOUT

ANCHOR / SUBSTRATE NOTES:
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drawing no.	JA-1321-25	drawn by:	AK
date:	10-21-2025	check by:	MK

REVISION

No.	DATE	BY	DESCRIPTION

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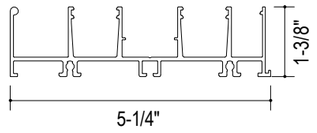
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-22-2025

PARTS LIST

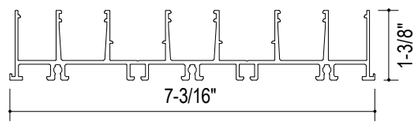
FL#47220.1

1 2 TRACK SILL/HEAD



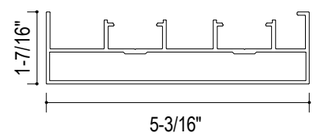
E771 ALLOY 6063 - T6

2 3 TRACK SILL / HEAD



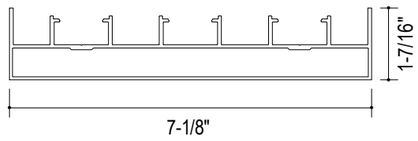
E771A ALLOY 6063 - T6

3 2 TRACK JAMB



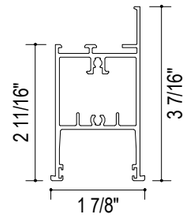
E772 ALLOY 6063 - T6

4 3 TRACK JAMB



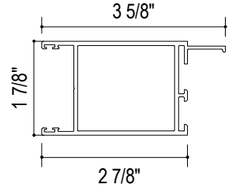
E772A ALLOY 6063 - T6

5 PANEL TOP / BOTTOM RAIL



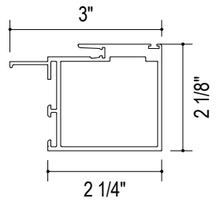
E773 ALLOY 6063 - T6

6 PANEL JAMB STILE



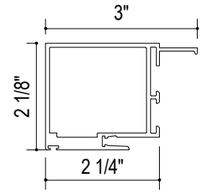
E774 ALLOY 6063 - T6

7 OUTER INTERLOCK STILE



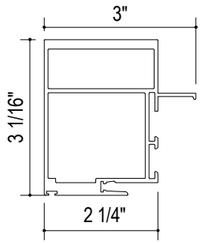
E775 ALLOY 6063 - T6

8 INNER INTERLOCK STILE



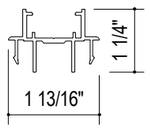
E776 ALLOY 6063 - T6

9 REINFORCED INNER INTERLOCK STILE



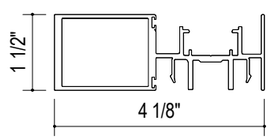
E776R ALLOY 6063 - T6

10 STANDARD ASTRAGAL ADAPTER



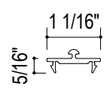
E777 ALLOY 6063 - T6

11 REINFORCED ASTRAGAL ADAPTER



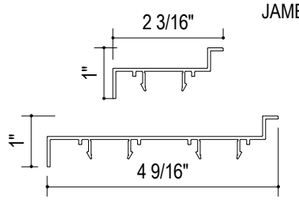
E778 ALLOY 6063 - T6

12 SNAP IN TRACK



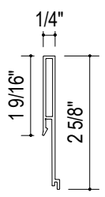
E779 ALLOY 6063 - T6

13 JAMB COVER



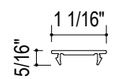
E780 ALLOY 6063 - T6

14 SILL RISER



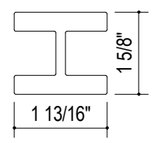
E781 ALLOY 6063 - T6

15 SNAP-IN ANCHOR COVER



E677 ALLOY 6063 - T6

16 INTERLOCK REINFORCEMENT



E787 ALLOY 6063 - T6

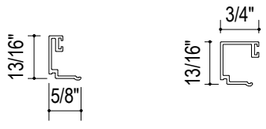
26 INTERLOCK BUMPER GASKET



27 GLAZING BEAD BULB GASKET

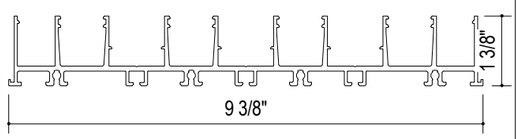


32 INS. LAMINATED / LAMINATED G. STOP



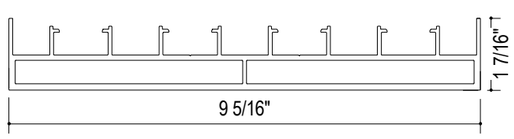
E279 E673

33 4 TRACK HEAD/SILL



E791 ALLOY 6063 - T6

34 4 TRACK JAMB



E792 ALLOY 6063 - T6

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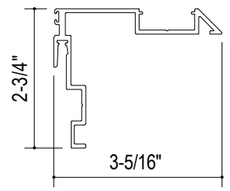
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-22-2025

BILL OF MATERIAL

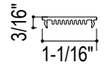
FL#47220.1

35 HOOK STRIP



E790 ALLOY 6063 - T6

36 SNAP IN SCREW COVER



E783 ALLOY 6063 - T6

ITEM#	PART #	QTY	DESCRIPTION	MATERIAL
1	E771	AS RQ'D	2 TRACK SILL/HEAD	6063-T6
2	E771A	AS RQ'D	3TRACK SILL/HEAD	6063-T6
3	E772	AS RQ'D	2 TRACK JAMB	6063-T6
4	E772A	AS RQ'D	3 TRACK JAMB	6063-T6
5	E773	AS RQ'D	PANEL TOP/BOT RAIL	6063-T6
6	E774	AS RQ'D	PANEL JAMB STILE	6063-T6
7	E775	AS RQ'D	OUTER INTERLOCK STILE	6063-T6
8	E776	AS RQ'D	INNER INTERLOCK STILE	6063-T6
9	E-776R	AS RQ'D	REINFORCED INNER INTERLOCK STILE	6063-T6
10	E777	AS RQ'D	STANDARD ASTRAGAL ADAPTER	6063-T6
11	E778	AS RQ'D	REINFORCED ASTRAGAL ADAPTER	6063-T6
12	E779	AS RQ'D	SNAP IN TRACK	6063-T6
13	E780	AS RQ'D	JAMB COVER	6063-T6
14	E781	AS RQ'D	2-5/8" SILL RISER	6063-T6
15	E677	AS RQ'D	SNAP-IN ANCHOR COVER	6063-T6
16	E787	AS RQ'D	INTERLOCK REINFORCEMENT	6063-T6
17	AL-701	3 u. @ FIX	1 X 1/2 X 1/8 ALUM FIXING CLIP 4" LG	ALUMINUM
18	A771	AS RQ'D	GUIDE BASE	-
19	A772	AS RQ'D	GUIDE CAP	-
20	A773	AS RQ'D	TRACK DAM	-
21	A774	AS RQ'D	SIDE ADJUSTABLE ROLLER	-
22	A776	AS RQ'D	LOCK SET KIT WITH SS HOOKS	-
23	G771	AS RQ'D	DUST PLUG WITH CLEAR CENTER FINS	-
24	G773	AS RQ'D	BUMP-ON SPACER FLB-50	-
25	G774	AS RQ'D	W33321NK00B WEATHER STRIP	-
26	G772	AS RQ'D	INTERLOCK BUMPER GASKET	-
27	G671	AS RQ'D	GLAZING BEAD BULB GASKET	-
28	S771	8/PANEL	#10x1-1/4 FH SMS PANEL ASSY	-
29	S672	12/PANEL	#10x1 HH SMS FRAME ASSY	-
30	S772	2/DAM	#8x3/4 TRACK DAM ATTACHMENT	-
31	S773	AS RQ'D	#10x1-1/2 FH SDS ASTRAGAL ATTACHMENT	-
32	E279/E673	AS REQD	INS.LAM / LAMINATED G. STOP	-
33	E791	AS REQD	4-TRACK HEAD / SILL	6063-T6
34	E792	AS REQD	4-TRACK JAMB	6063-T6
35	E790	AS REQD	HOOK STRIP	6063-T6
36	E783	AS REQD	SNAP-IN SCREW COVER	6063-T6

JAVAD AHMAD PE, inc

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drawing no.	JA-1321-25	drawn by:	AK
date:	10-21-2025	check by:	MK

REVISION			
No.	DATE	BY	DESCRIPTION

ECO-NOVO SERIES: 775 SLIDING DOOR SYSTEM
(LARGE AND SMALL MISSILE IMPACT RATED)

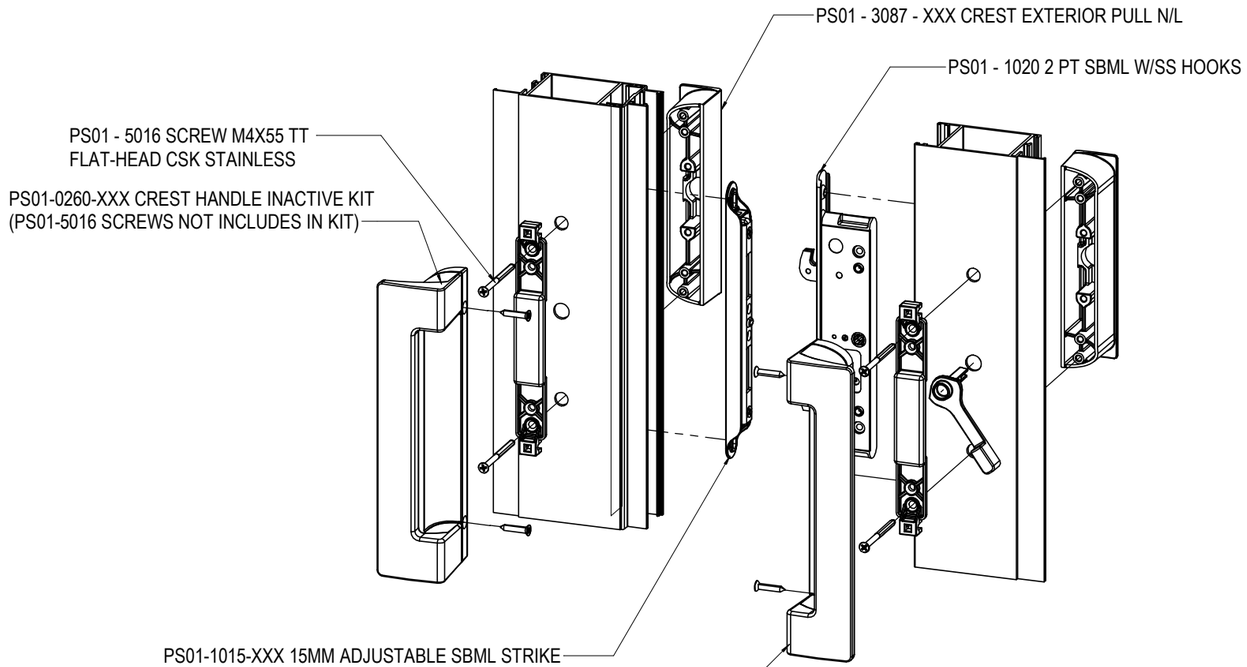
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-52599 FAX. (305) 885-5902

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

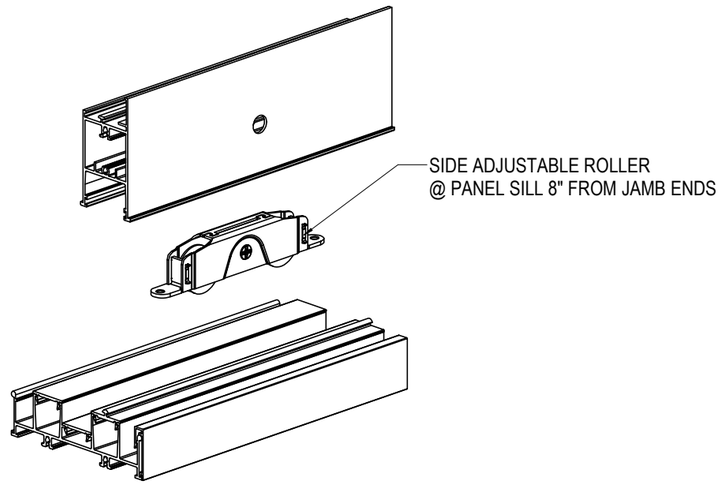
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HARDWARE DETAILS

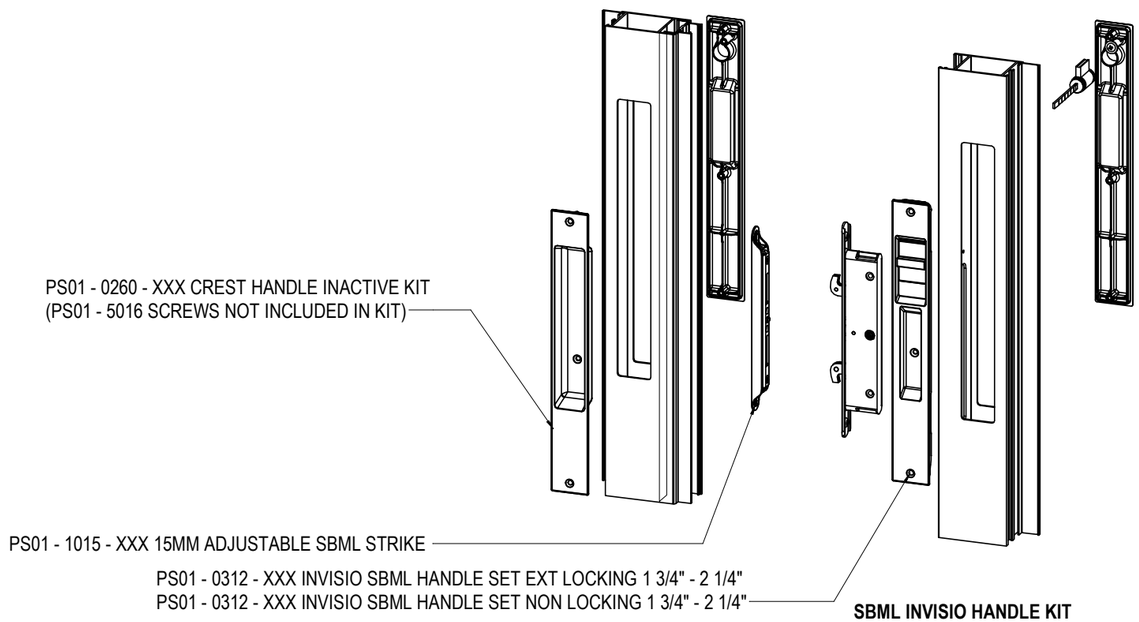
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SBML CREST HANDLE KIT



ROLLER SYSTEM



SBML INVISIO HANDLE KIT

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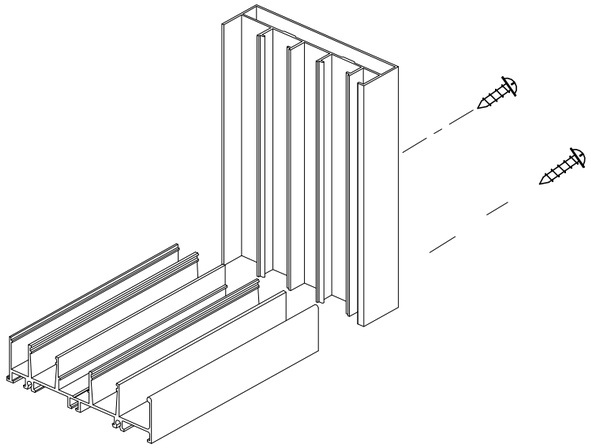
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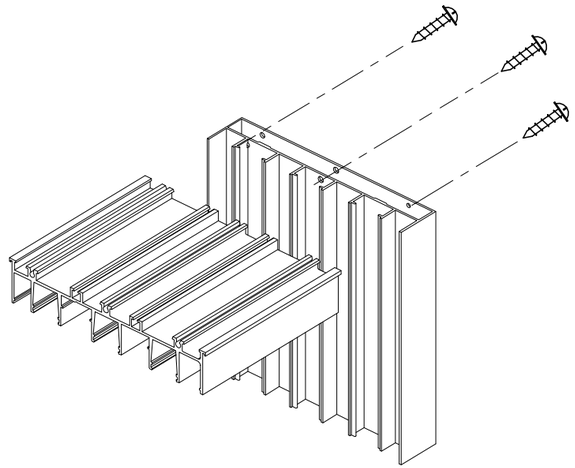
SEALED: 10-22-2025

FRAME ASSEMBLY DETAILS

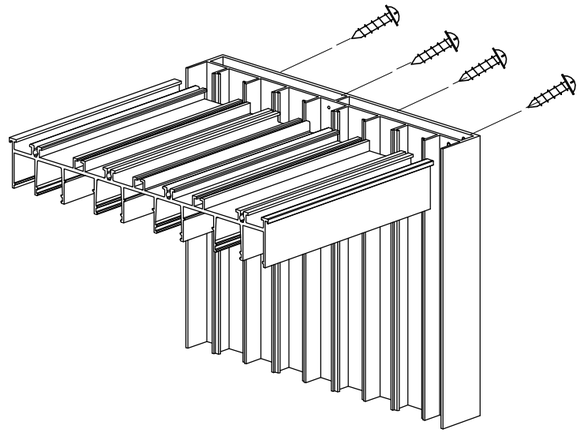
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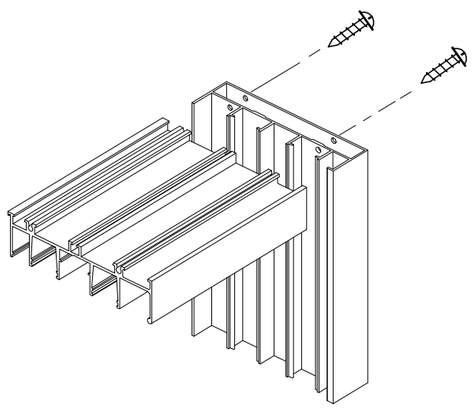
2 TRACK FRAME BOTTOM CORNER



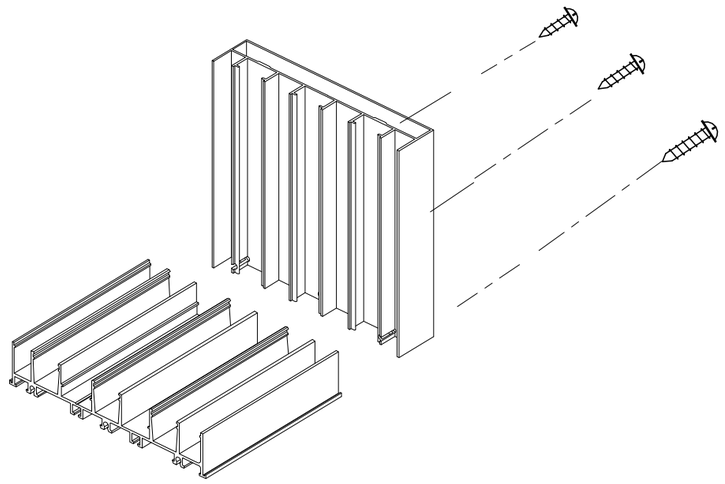
3 TRACK FRAME TOP CORNER



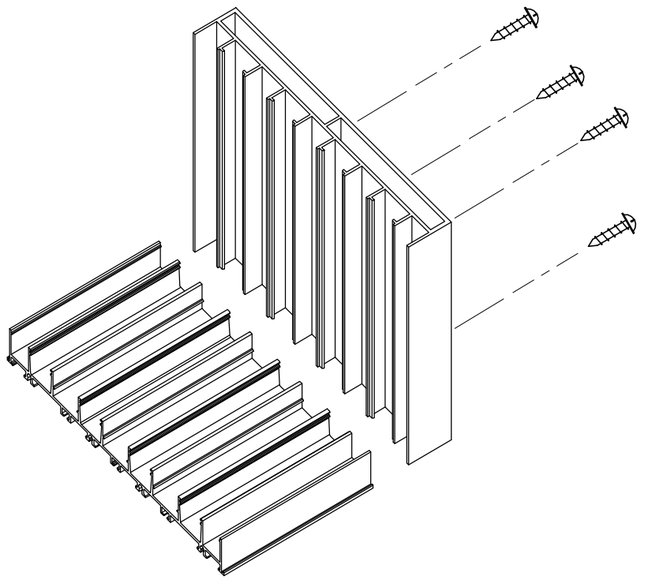
4 TRACK FRAME TOP CORNER



2 TRACK FRAME TOP CORNER



3 TRACK FRAME BOTTOM CORNER



4 TRACK FRAME BOTTOM CORNER

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