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PRODUCT EVALUATION REPORT

- Florida Building Code - 8th Edition (2023) -

Per Rule 61G20-3 / Method 1 - D

FL #: 47220.1 **DATE:** 10/22/2025

Product Description

Manufacturer: ECO WINDOW SYSTEMS, LLC
Address: 8502 NW 80th St #103, Medley, FL 33166
Model Name: ECO-NOVO Series 775 Sliding Door System
Maximum Load: +55.0 PSF/-60.0 PSF (Large & Small Missile Impact)
Drawing No.: JA-1321-25, signed and sealed by Javad Ahmad, P.E. - FL License No. 70592

This product COMPLIES with the 2023 Florida Building Code - 8th Edition (2023 FBC) for use within and outside the High-Velocity Hurricane Zone (HVHZ) per TAS 201/202/203.
For maximum sizes, combination of span vs loads and anchor type refer to installation drawings.
Comparative Analysis used: ◉ YES ○ NO

Mandatory Tests (Tested in accordance with AAMA 501 / 101 / I.S.2 / NAFS / TAS 202)					
TEST	**DESCRIPTION**	**TEST LOCATION**	**TEST REPORT DATE**	**TEST REPORT #**	**TEST SEALED BY**
TAS 202	Uniform Static Pressure	IFET, Inc. Doral, FL - USA	10/22/2025	TR-IFET-25-0042. R1	Arshad Viqar, P.E. FL PE # 38863
ASTM E283	Air Infiltration Leakage	IFET, Inc. Doral, FL - USA	10/22/2025	TR-IFET-25-0042. R1	Arshad Viqar, P.E. FL PE # 38863
ASTM E331	Water Penetration by Static Air Pressure Dif.	IFET, Inc. Doral, FL - USA	10/22/2025	TR-IFET-25-0042. R1	Arshad Viqar, P.E. FL PE # 38863
ASTM F588-17	Forced Entry Resistance	IFET, Inc. Doral, FL - USA	10/22/2025	TR-IFET-25-0042. R1	Arshad Viqar, P.E. FL PE # 38863
Supplemental Tests (Tested in accordance with TAS 201 and TAS-203)					
TEST	**DESCRIPTION**	**TEST LOCATION**	**TEST REPORT DATE**	**TEST REPORT #**	**TEST SEALED BY**
TAS 201	Impact Test (Large Missile Impact)	IFET, Inc. Doral, FL - USA	10/22/2025	TR-IFET-25-0042. R1	Arshad Viqar, P.E. FL PE # 38863
TAS 203	Cyclic Wind Pressure Load	IFET, Inc. Doral, FL - USA	10/22/2025	TR-IFET-25-0042. R1	Arshad Viqar, P.E. FL PE # 38863

Under the limitations of the attached installation drawings, to the best of my knowledge and ability, the above product conforms to the requirements of the 2023 Florida Building Code - 8th Edition (2023 FBC).

Evaluation Report Engineer:

Javad Ahmad, PE
FL P.E.# 70592
EB C.A.N. # 34254
JAVAD AHMAD PE, Inc.



Sealed:
10/22/2025

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
date:	10-21-2025	check by:	MK

No.	DATE	BY	REVISION DESCRIPTION

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

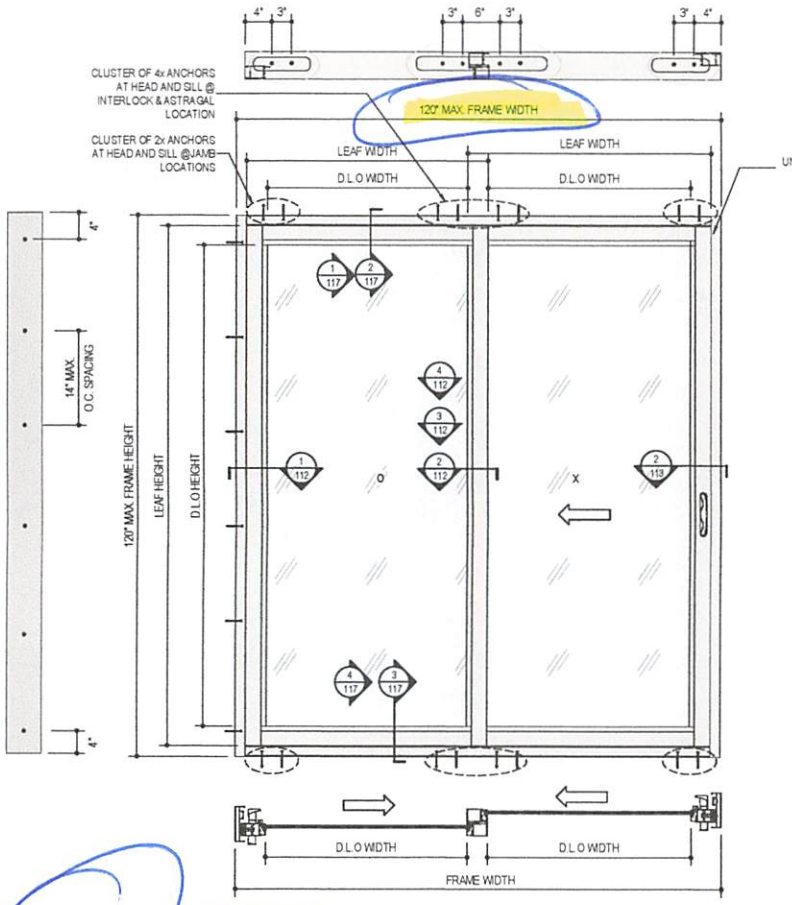
window systems
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-0299 FAX. (305) 885-5962

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-22-2025

TYPICAL ELEVATIONS

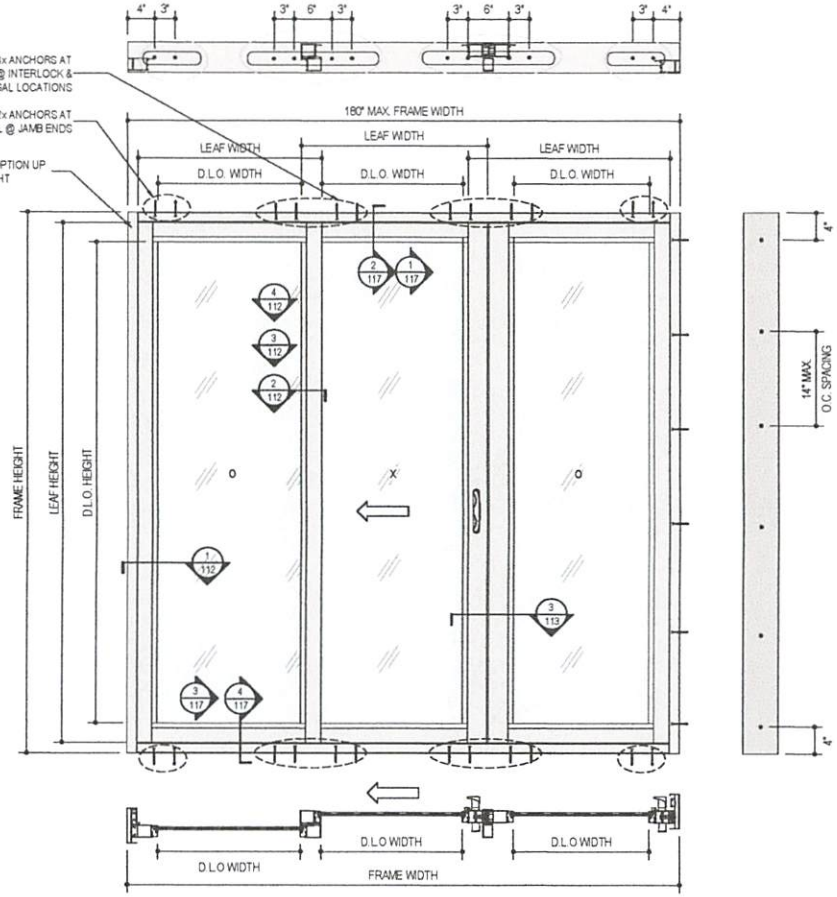
FL#47220.1



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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REVISION

No.	DATE	BY	DESCRIPTION

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(LARGE AND SMALL MISSILE IMPACT RATED)

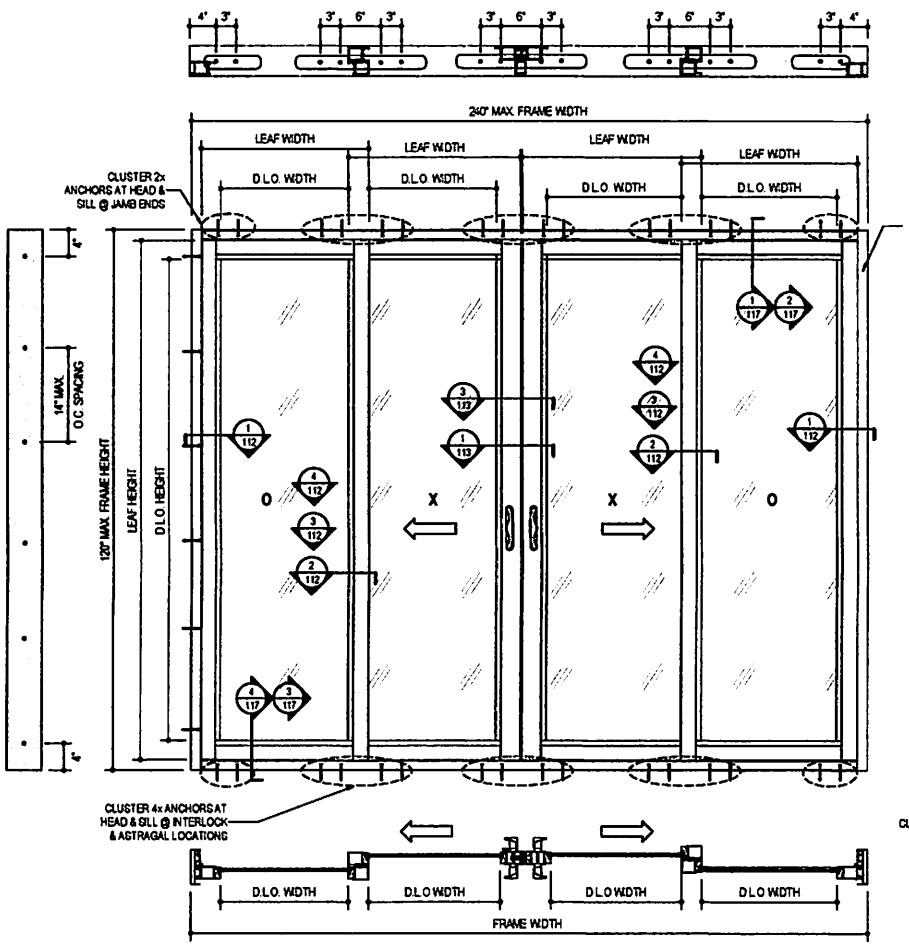
eco window systems
ECO WINDOW SYSTEMS, LLC.
8582 N.W. 80th ST. MEDLEY, FL 33166
TEL. (305) 885-5269 FAX. (305) 885-5902

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

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TYPICAL ELEVATIONS

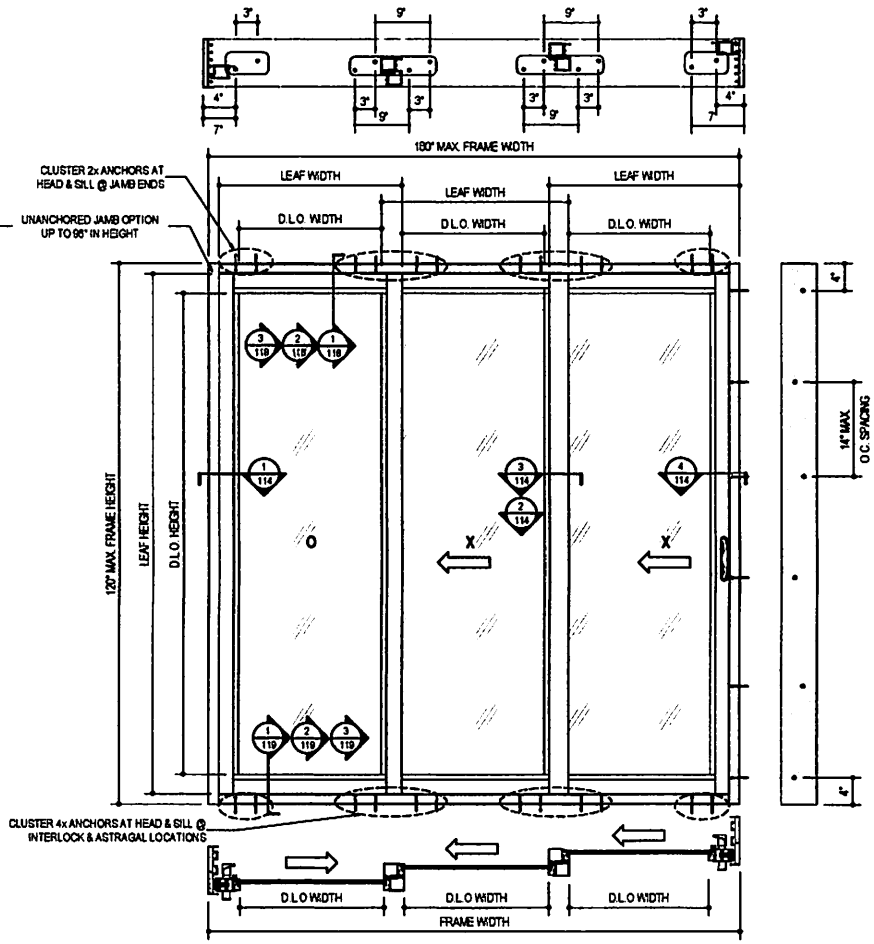
FL#47220.1



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

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

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



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

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

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

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.
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			REVISION

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date: 10-21-2025 | check by: MK

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

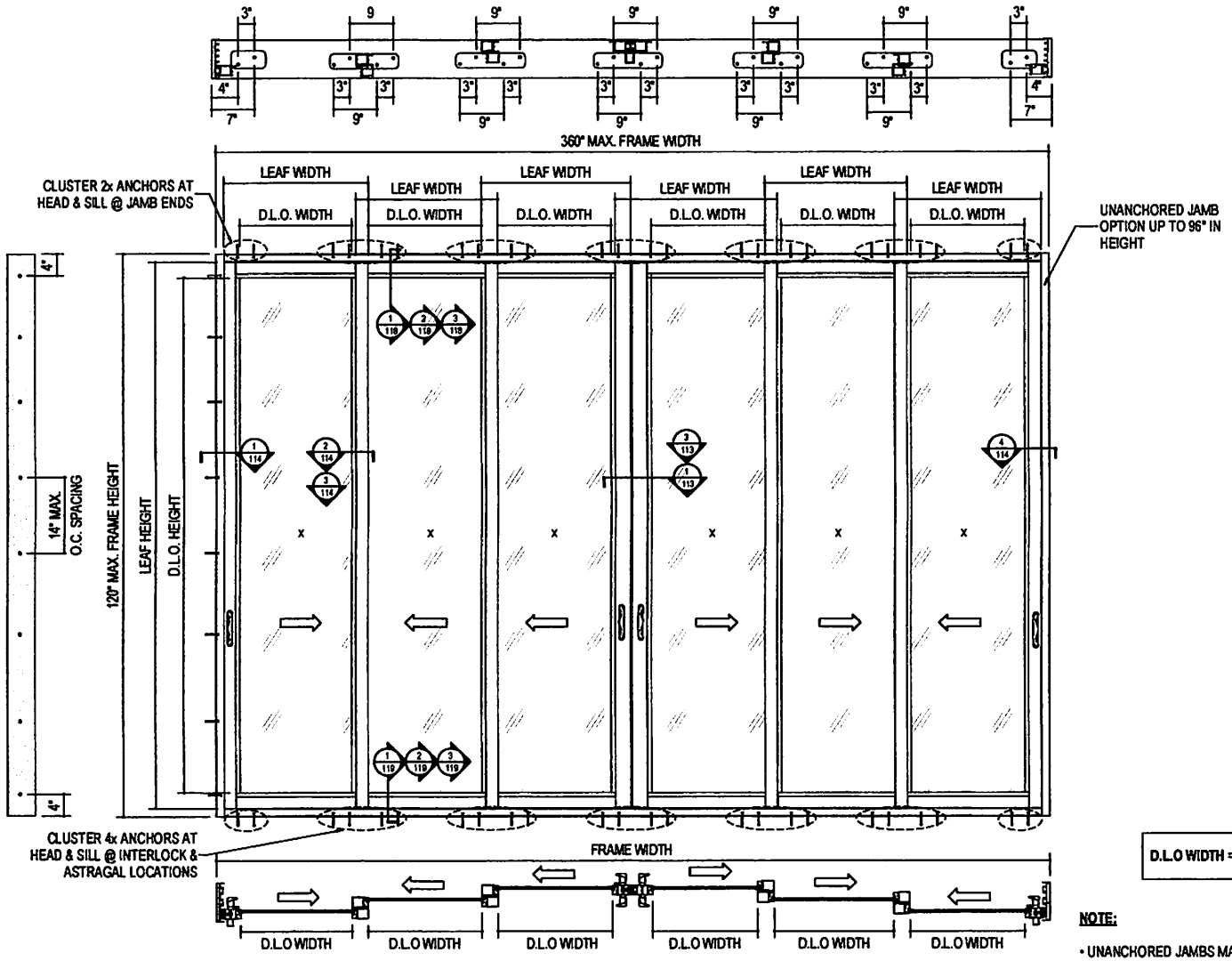
ECO WINDOW SYSTEMS, LLC.
6550 W. 16th Ave. Hialeah, FL. 33014
TEL. (305) 805-6200 FAX. (305) 805-6202

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SEALED: 10-22-2025

TYPICAL ELEVATION

FL#47220.1



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

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

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

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.

JAVAD AHMAD PE, Inc

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support@ja-pe.com

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REVISION

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

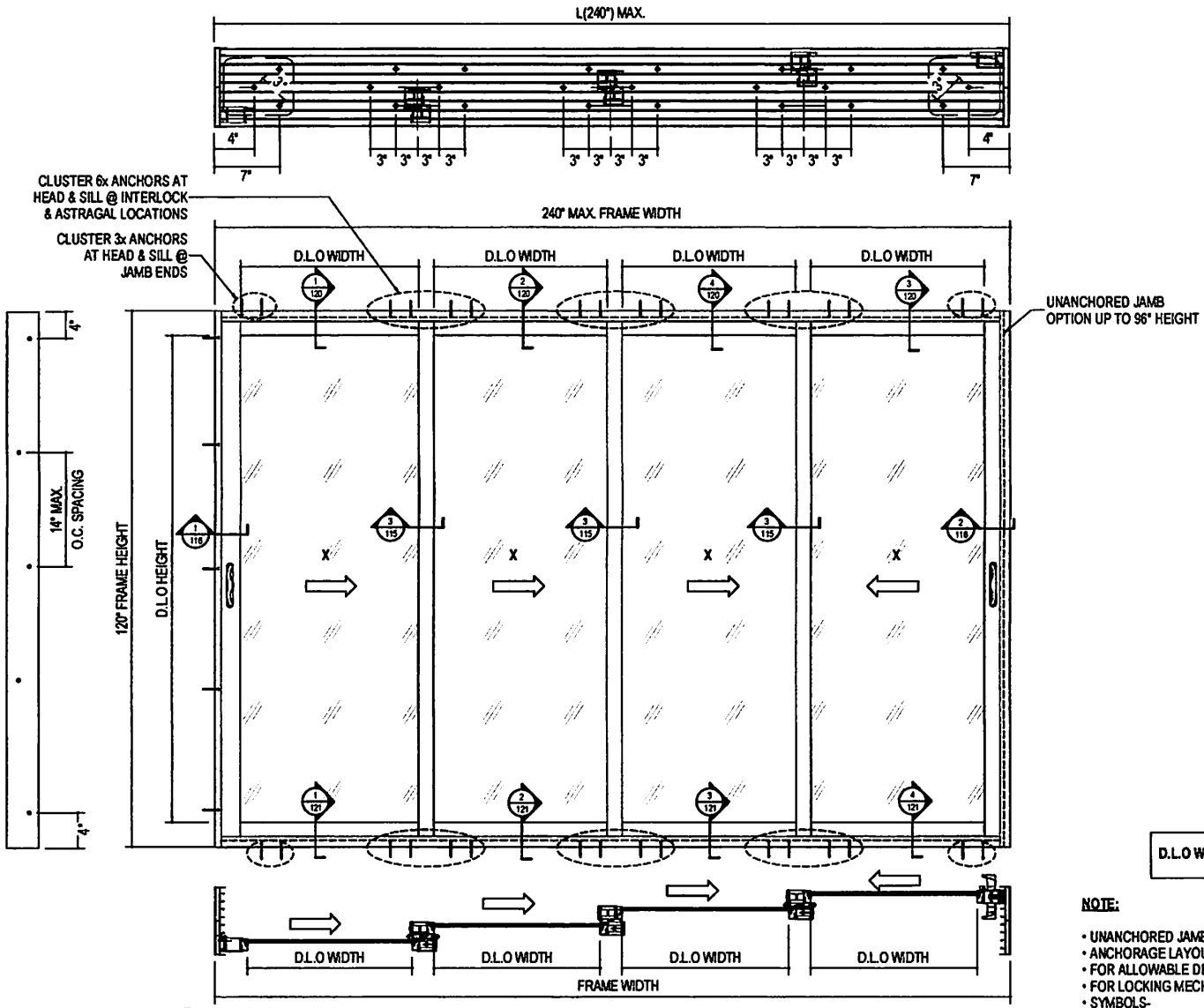
ECO WINDOW SYSTEMS, LLC
8002 N.W. 58th ST. MEDLEY, FL 33166
TEL. (305) 805-8888 FAX. (305) 805-8002

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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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support@a-pe.com

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
ECO WINDOW SYSTEMS, LLC.
8302 N.W. 58th ST. MIAMI, FL 33166
TEL. (305) 825-0300 FAX. (305) 825-0302

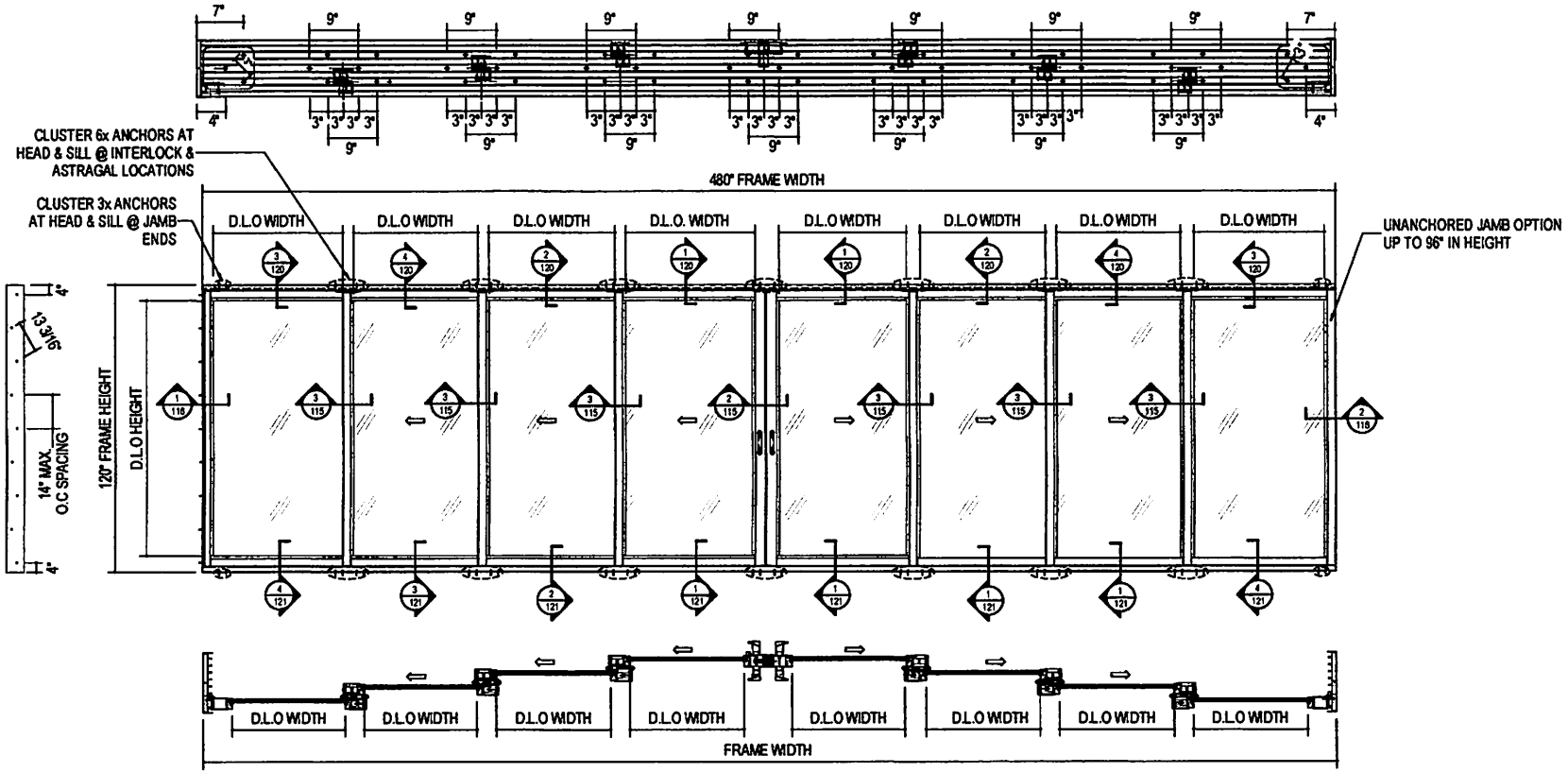
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TYPICAL ELEVATION

FL#47220.1



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

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

$$\text{D.L.O WIDTH} = \frac{(\text{FW} - 34.5)}{8}$$

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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support@ja-pe.com

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REVISION

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

ECO WINDOW SYSTEMS, LLC.
8532 N.W. 66th ST. MIAMI, FL 33166
TEL. (800) 883-0299 FAX. (800) 883-0202

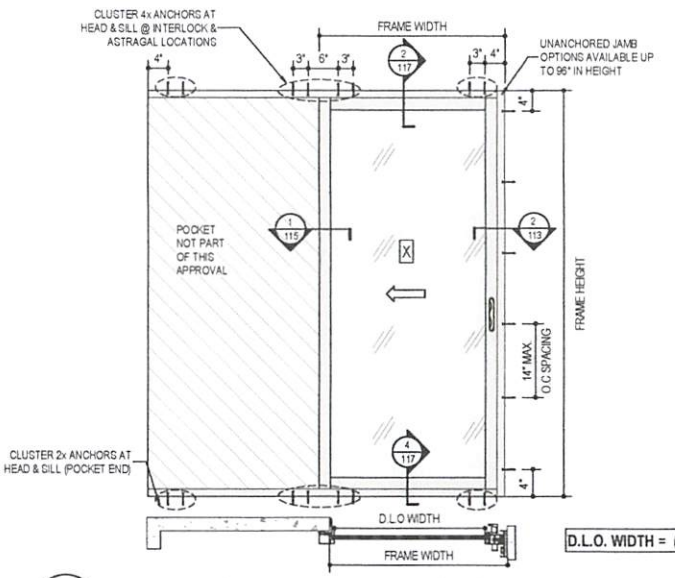
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

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ALTERNATE ELEVATIONS

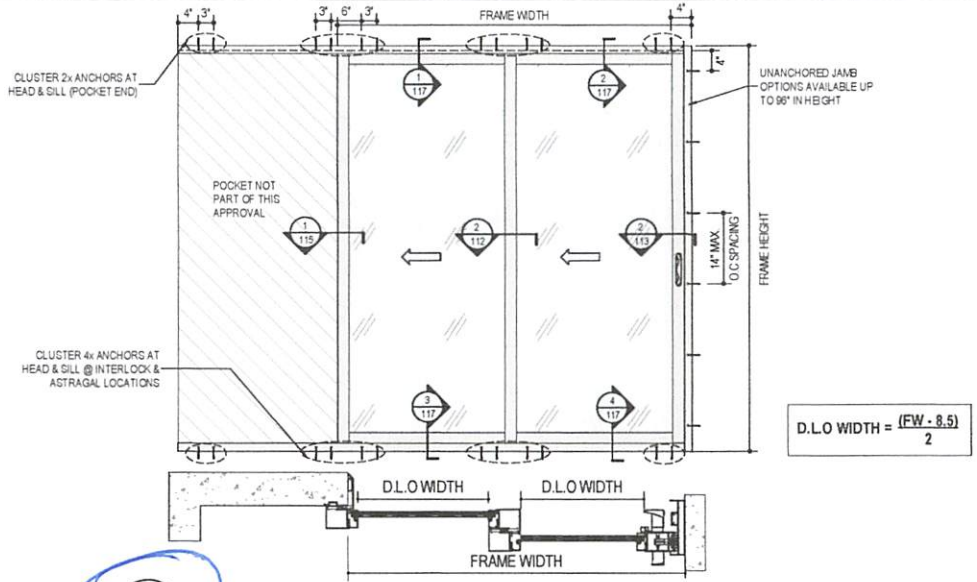
FL#47220.1



D.L.O. WIDTH = (FW - 5.5)

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

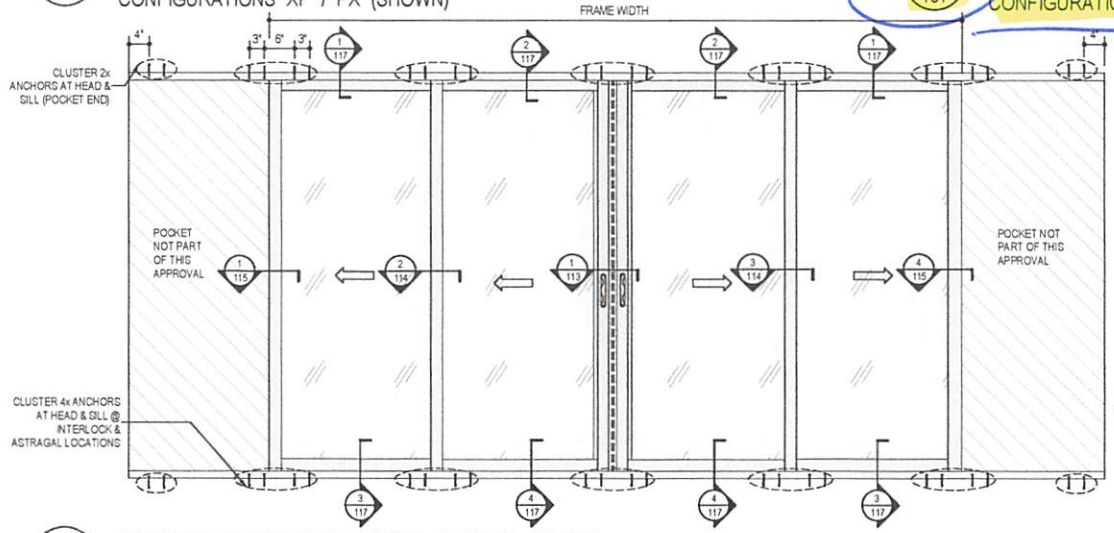
CONFIGURATIONS "XP" / "PX" (SHOWN)



D.L.O WIDTH = $\frac{(FW - 8.5)}{2}$

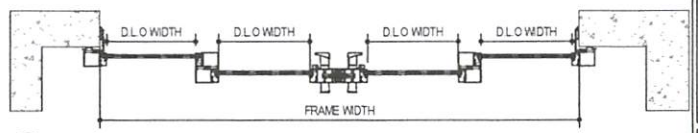
2/107 **ALTERNATE EXTERIOR ELEVATION - 2 TRACK - 2 PANEL**

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 = $\frac{(FW - 15.5)}{4}$

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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
ECO WINDOW SYSTEMS, LLC
8500 NW 17th ST, MIAMI, FL 33126
TEL. (305) 885-5299 FAX. (305) 885-5902

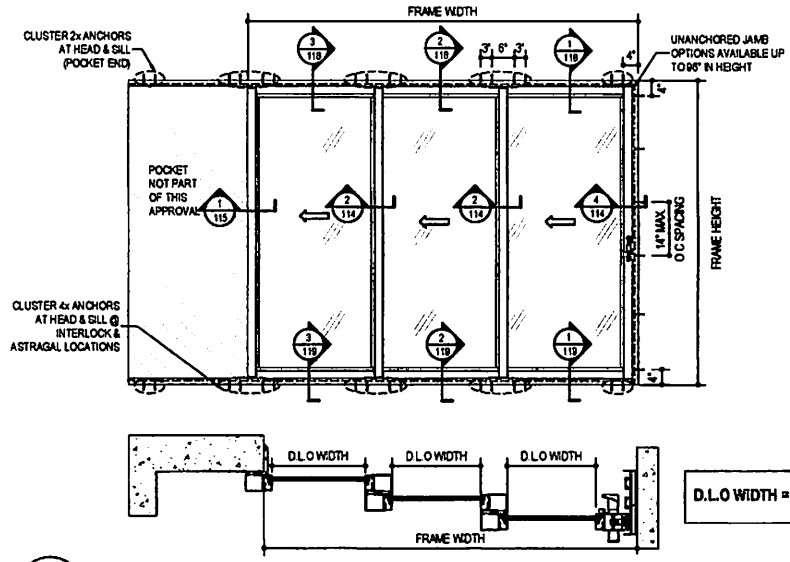
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

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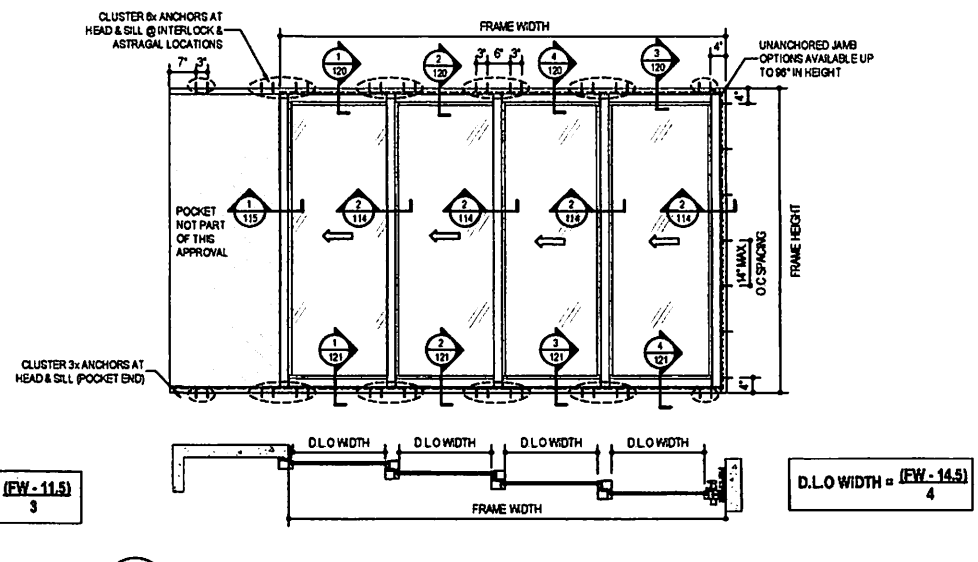
ALTERNATE ELEVATIONS

FL#47220.1



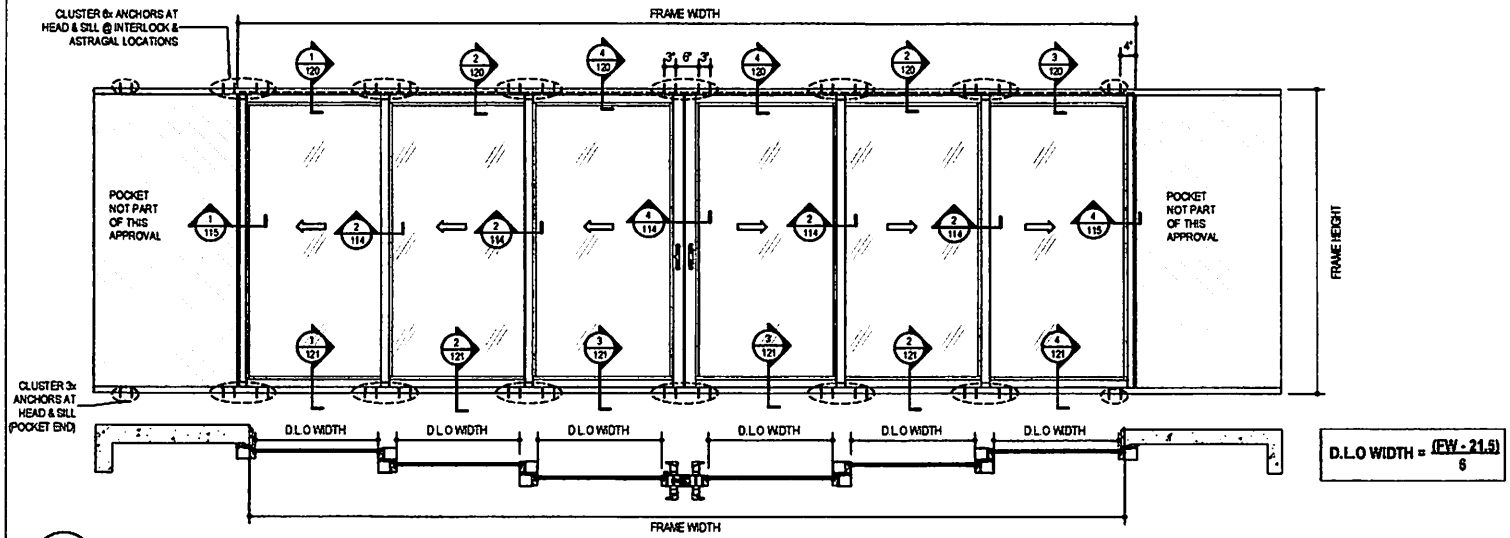
1/108 **ALTERNATE EXTERIOR ELEVATION - 3 TRACK - 3 PANELS**

CONFIGURATIONS "XXXP"/"PXXX"(SHOWN)



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

CONFIGURATION "XXXXP"/ "PXXXX" (SHOWN)



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

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

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Doral, FL 33126
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support@ja-pe.com

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)

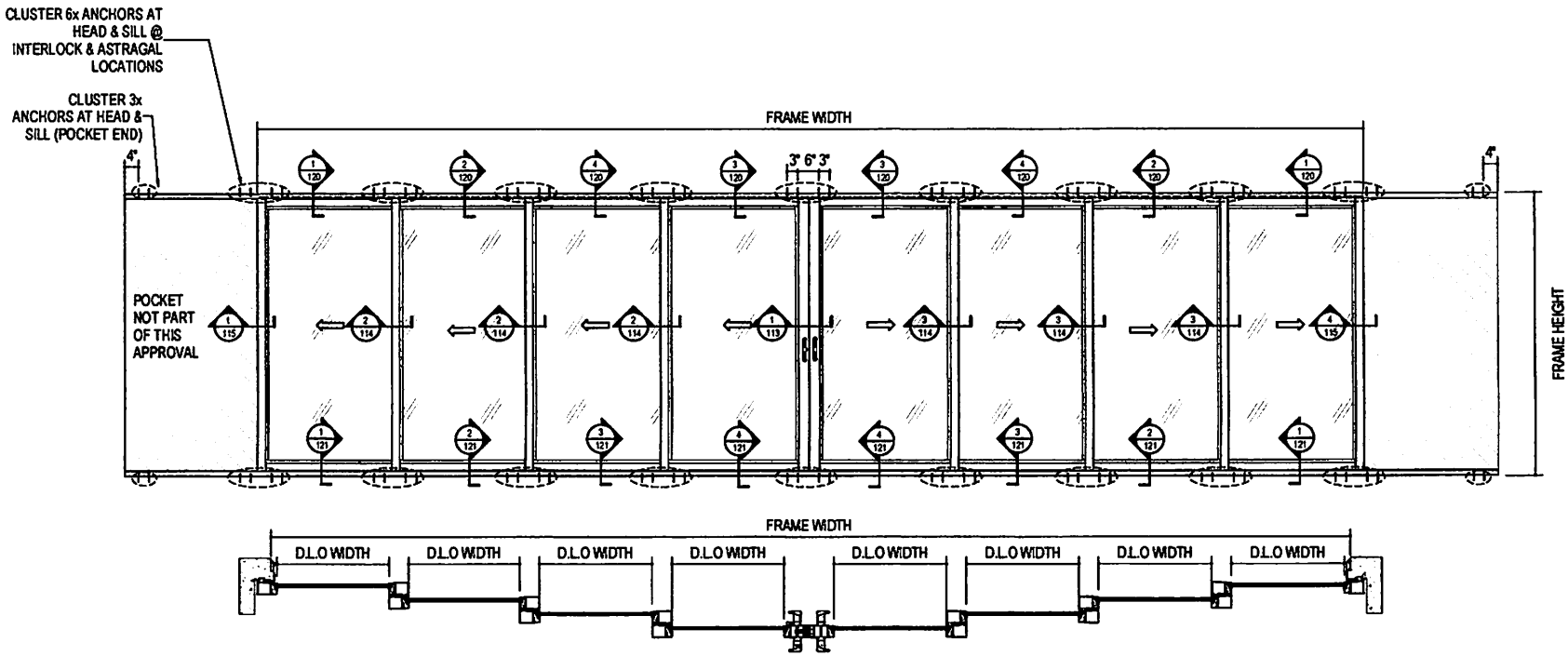
ECO WINDOW SYSTEMS, LLC.
8532 N.W. 66th ST. MEDLEY, FL 33166
TEL. (305) 883-8333 FAX. (305) 883-8002

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-22-2025

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 = $\frac{(FW - 27.5)}{8}$

JAVAD AHMAD PE, Inc
7875 NW 12 Street, Suite 102
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REVISION

No.	DATE	BY	DESCRIPTION

ECO-NOVO SERIES: 776 SLIDING DOOR SYSTEM
(LARGE AND SMALL MISSILE IMPACT RATED)

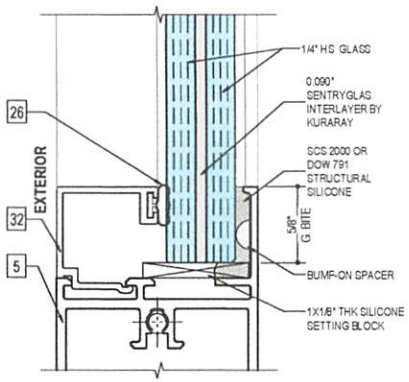
eco window systems
ECO WINDOW SYSTEMS, LLC
8700 NW 36th ST, #107, Miami, FL 33166
TEL. (305) 805-5220 FAX. (305) 805-5302

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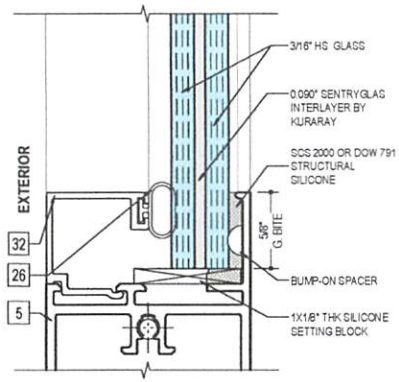
GLAZING DETAILS

FL#47220.1



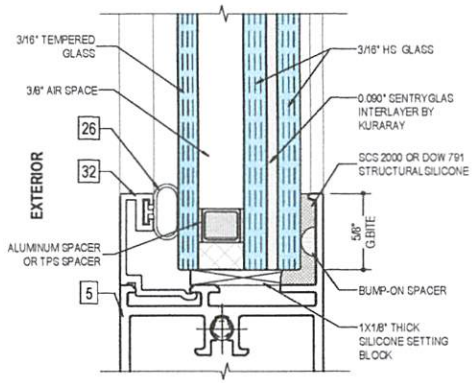
1/110 **GL 1 -9/16" LAMINATED GLASS (SGP)**

N.T.S



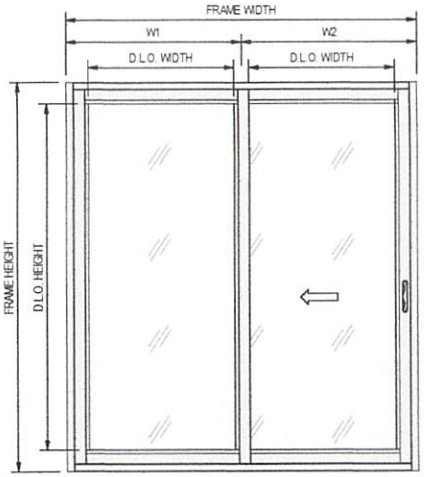
2/110 **GL 2 - 7/16" LAMINATED GLASS (SGP)**

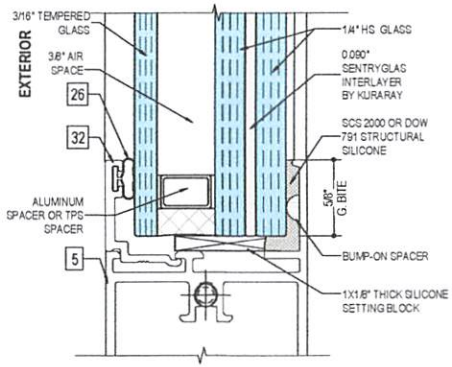
N.T.S



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

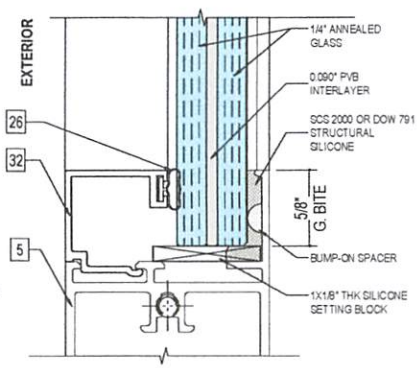
N.T.S





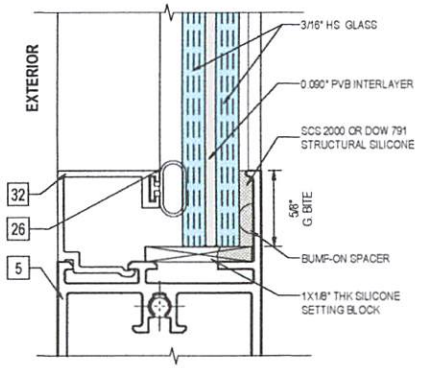
5/110 **GL 4 - 1-1/4" INSULATED GLASS (SGP)**

N.T.S



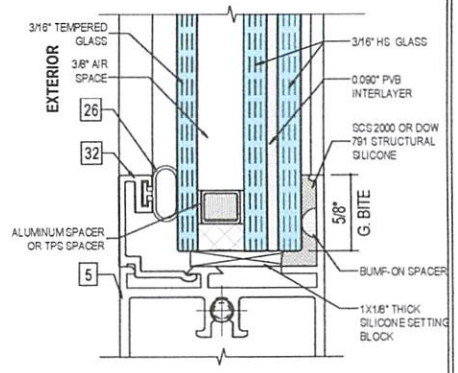
6/110 **GL 5 - 9/16" LAMINATED GLASS (PVB)**

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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REVISION

No	DATE	BY	DESCRIPTION

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

ECO WINDOW SYSTEMS, LLC
8601 NW 58th Street, Miami, FL 33166
TEL: (305) 885-5259 FAX: (305) 885-5902

JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEALED: 10-22-2025

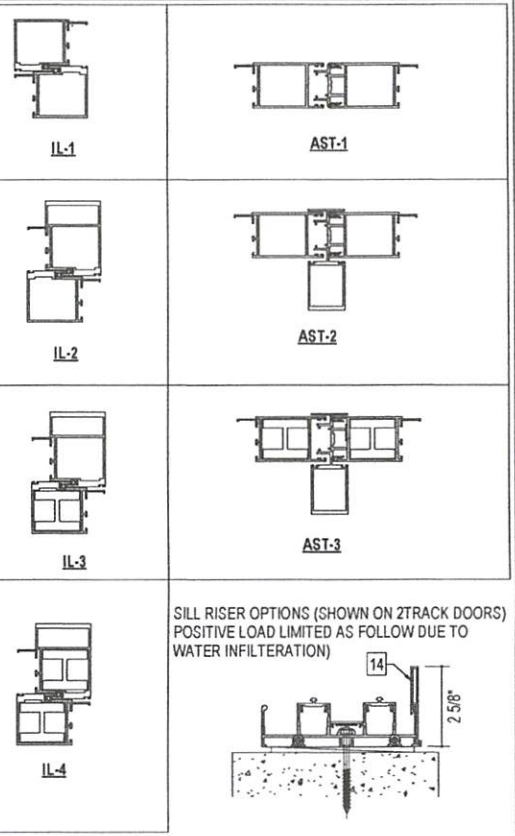
PRESSURE CHARTS

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	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
30		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
36		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
43 1/4		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
49 5/16		+65/-60	+65/-60	+65/-60	+65/-60	-	-	-
55 3/16		+65/-60	+65/-60	+65/-60	+65/-60	-	-	-
24	75	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
30		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
36		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
43 1/4		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
49 5/16		+65/-60	+65/-60	+65/-60	+65/-60	-	-	-
55 3/16		+65/-60	+65/-60	+65/-60	+65/-60	-	-	-
24	81	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
30		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
36		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
43 1/4		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
49 5/16		+65/-60	+65/-60	+65/-60	+65/-60	-	-	-
55 3/16		+65/-60	+65/-60	+65/-60	+65/-60	-	-	-
	87	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
30		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
36		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
43 1/4		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
49 5/16		+65/-60	+65/-60	+65/-60	+65/-60	-	-	-
55 3/16		+65/-60	+65/-60	+65/-60	+65/-60	-	-	-
24	93	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
30		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
36		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
43 1/4		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
49 5/16		+65/-60	+65/-60	+65/-60	+65/-60	-	-	-
55 3/16		+65/-60	+65/-60	+65/-60	+65/-60	-	-	-
24	99	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
30		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
36		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
43 1/4		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
49 5/16		+65/-60	+65/-60	+65/-60	+65/-60	-	-	-
55 3/16		+65/-60	+65/-60	+65/-60	+65/-60	-	-	-
24	104	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
30		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
36		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
43 1/4		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
49 5/16		+65/-60	+65/-60	+65/-60	+65/-60	-	-	-
55 3/16		+65/-60	-	-	+65/-60	-	-	-
24	111	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
30		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
36		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
43 1/4		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
49 5/16		+65/-60	+65/-60	+65/-60	+65/-60	-	-	-
55 3/16		+65/-60	-	-	+65/-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"

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	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
36		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
42		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
48		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
54		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
60		-	+65/-60	+65/-60	-	+65/-60	+65/-60	+65/-60
30	84	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
36		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
42		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
48		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
54		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
60		-	+65/-60	+65/-60	-	+65/-60	+65/-60	+65/-60
30	90	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
36		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
42		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
48		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
54		-	+65/-60	+65/-60	-	+65/-60	+65/-60	+65/-60
60		-	+65/-60	+65/-60	-	-	+65/-60	+65/-60
30	96	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
36		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
42		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
48		+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60	+65/-60
54		-	+65/-60	+65/-60	-	-	+65/-60	+65/-60
60		-	+65/-60	+65/-60	-	-	+65/-60	+65/-60
30	102	-	+65/-60	+65/-60	-	+65/-60	+65/-60	+65/-60
36		-	+65/-60	+65/-60	-	+65/-60	+65/-60	+65/-60
42		-	+65/-60	+65/-60	-	+65/-60	+65/-60	+65/-60
48		-	+65/-60	+65/-60	-	+65/-60	+65/-60	+65/-60
54		-	+65/-60	+65/-60	-	-	+65/-60	+65/-60
60		-	-	+65/-60	-	-	-	+65/-60
30	108	-	+65/-60	+65/-60	-	+65/-60	+65/-60	+65/-60
36		-	+65/-60	+65/-60	-	+65/-60	+65/-60	+65/-60
42		-	+65/-60	+65/-60	-	+65/-60	+65/-60	+65/-60
48		-	+65/-60	+65/-60	-	+65/-60	+65/-60	+65/-60
54		-	-	+65/-60	-	-	-	+65/-60
60		-	-	+65/-60	-	-	-	+65/-60
30	114	-	+65/-60	+65/-60	-	-	+65/-60	+65/-60
36		-	+65/-60	+65/-60	-	-	+65/-60	+65/-60
42		-	+65/-60	+65/-60	-	-	+65/-60	+65/-60
48		-	+65/-60	+65/-60	-	-	+65/-60	+65/-60
54		-	-	+65/-60	-	-	-	+65/-60
60		-	-	+65/-60	-	-	-	+65/-60
30	120	-	+65/-60	+65/-60	-	-	+65/-60	+65/-60
36		-	+65/-60	+65/-60	-	-	+65/-60	+65/-60
42		-	+65/-60	+65/-60	-	-	+65/-60	+65/-60
48		-	+65/-60	+65/-60	-	-	+65/-60	+65/-60
54		-	-	+65/-60	-	-	-	+65/-60
60		-	-	+65/-60	-	-	-	+65/-60



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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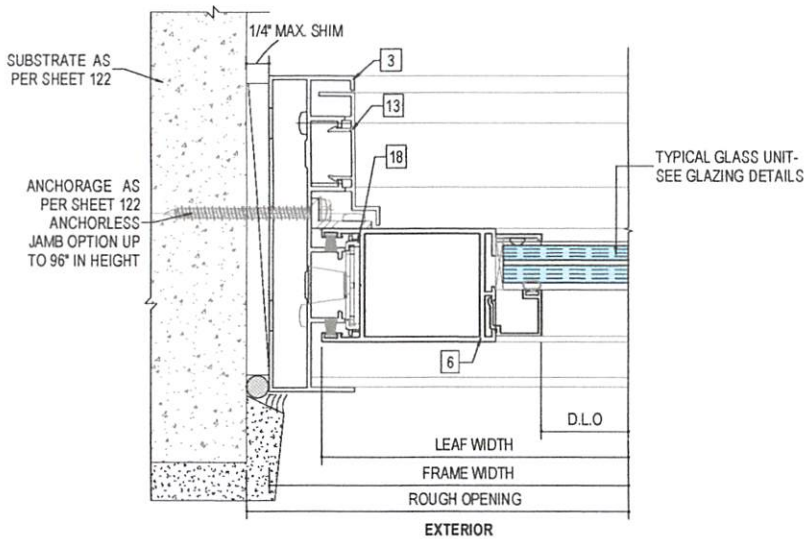
ECO window systems
ECOWINDOW SYSTEMS, LLC.
8582 N.W. 66th. ST. MIAMI, FLY, FL 33166
TEL. (305) 885-5299 FAX. (305) 885-5902

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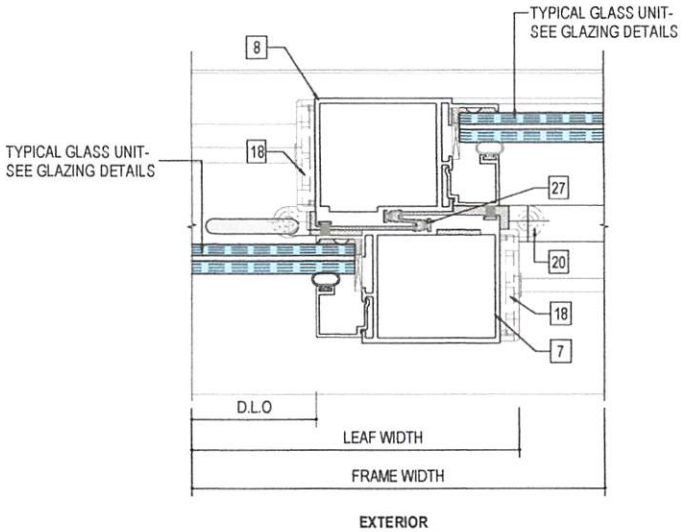
SECTIONAL DETAILS - HORIZONTAL

FL#47220.1



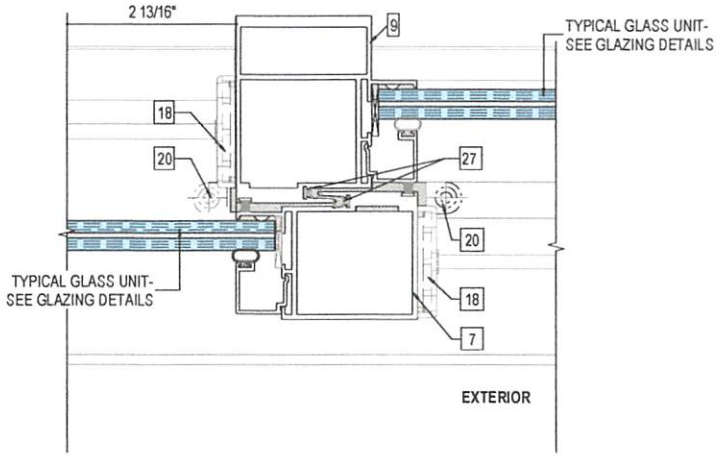
1/112 **DOOR JAMB DETAIL - TWO TRACK**

N.T.S



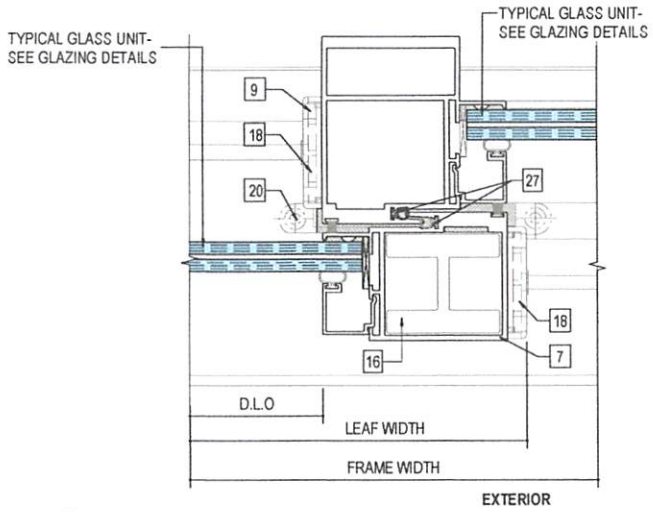
2/112 **DOOR INTERLOCK DETAIL (IL - 1)**

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

JAVAD AHMAD PE, inc

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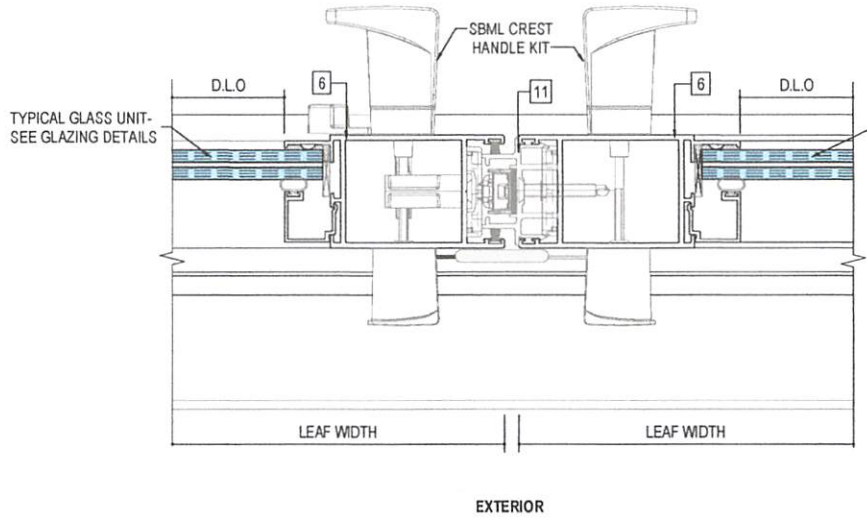
eco window systems
ECO WINDOW SYSTEMS, LLC
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SEALED: 10-22-2025

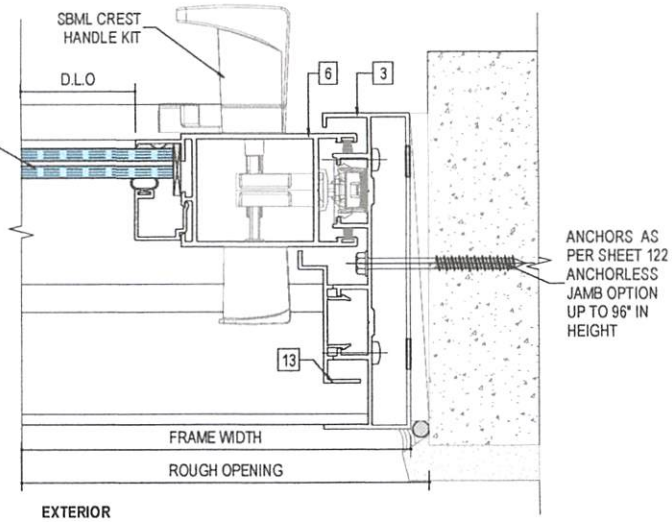
SECTIONAL DETAILS- HORIZONTAL

FL#47220.1



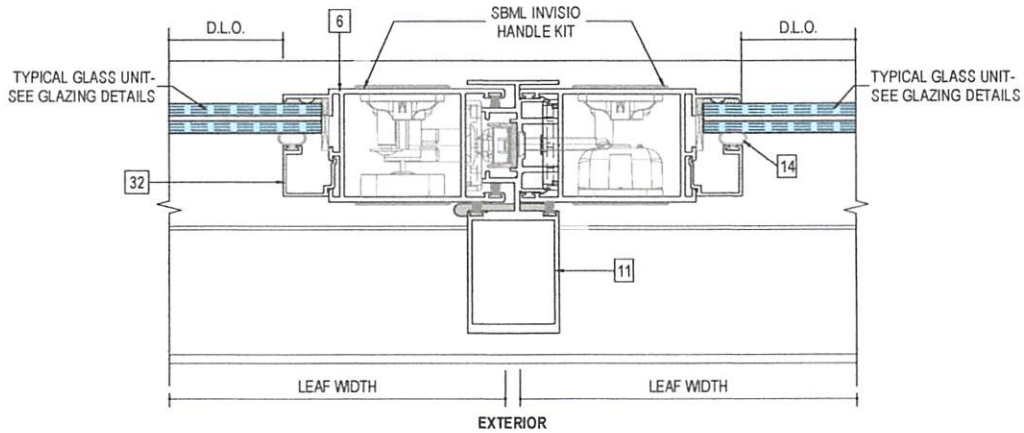
1 / 113 **STANDARD ASTRAGAL DETAIL (AST - 1)**

N.T.S



2 / 113 **TYPICAL LOCKING JAMB DETAIL-2 TRACK**

N.T.S



3 / 113 **REINFORCED ASTRAGAL DETAIL (AST -2)**

N.T.S

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

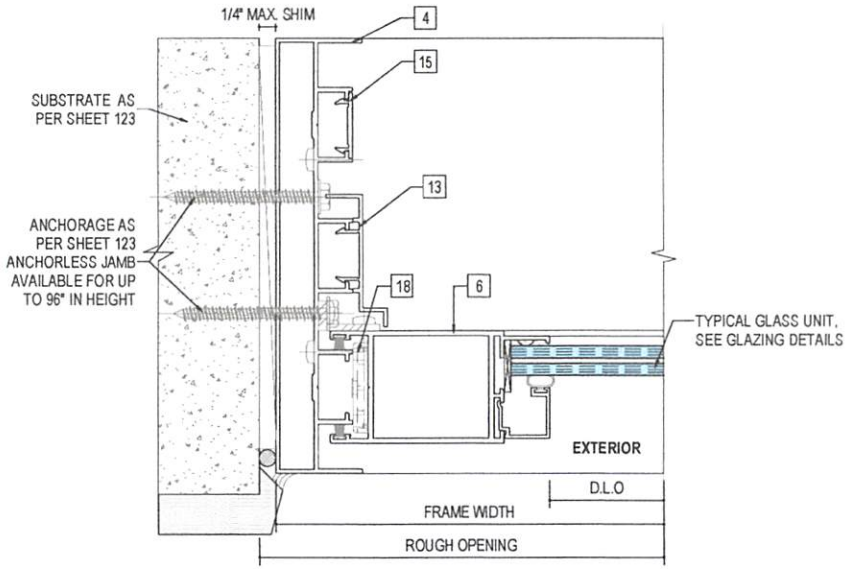
ECO WINDOW SYSTEMS, LLC
8100 NW 66th ST, MIAMI, FL 33166
TEL: (305) 885-5299 FAX: (305) 885-5502

JAVAD AHMAD LICENSE No. 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

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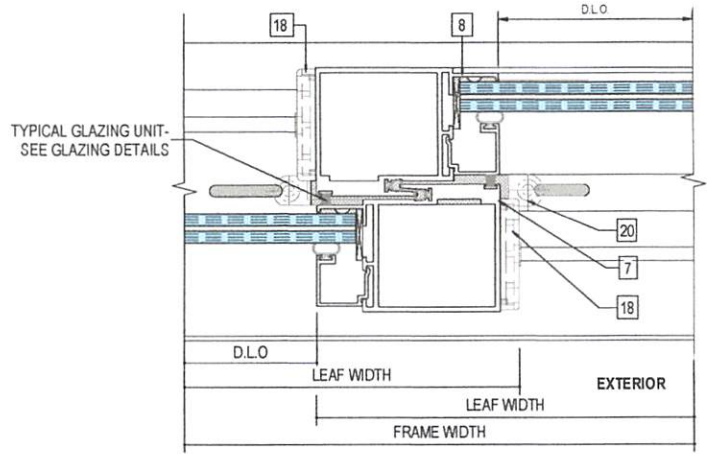
SECTIONAL DETAILS - HORIZONTAL

FL#47220.1



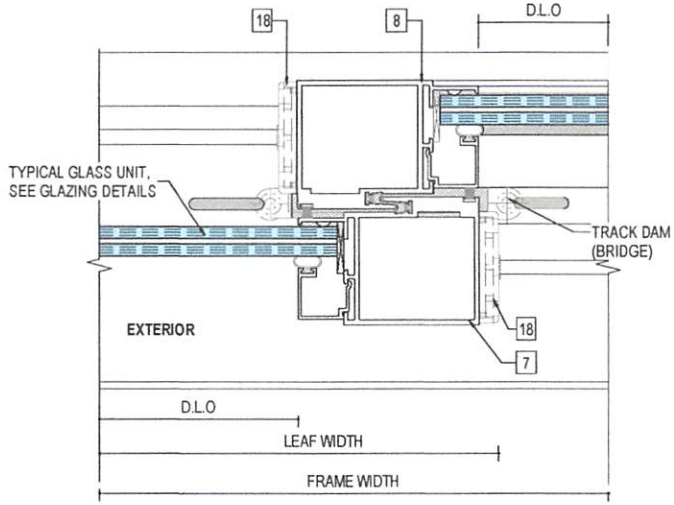
1/114 **JAMB STILE DETAIL - 3 TRACK**

N.T.S



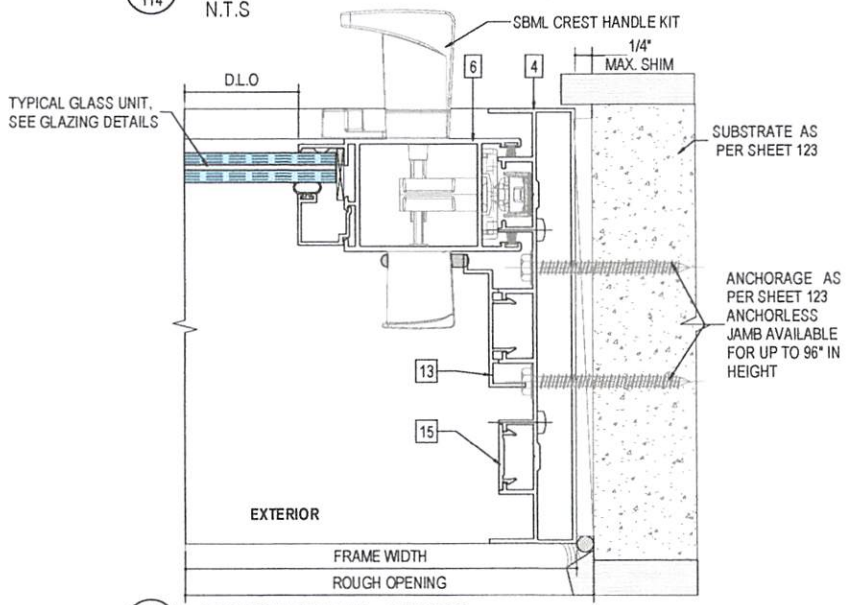
2/114 **INTERLOCK DETAIL - 3 TRACK 1**

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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No	DATE	BY	DESCRIPTION

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

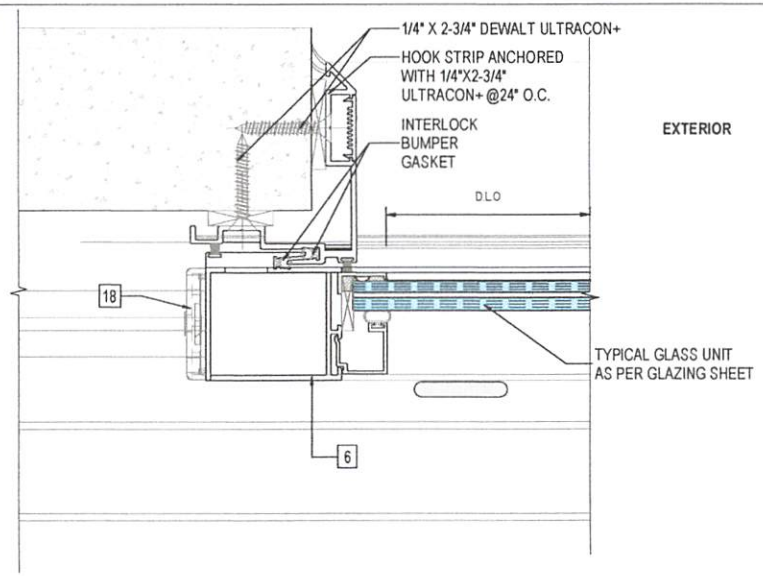
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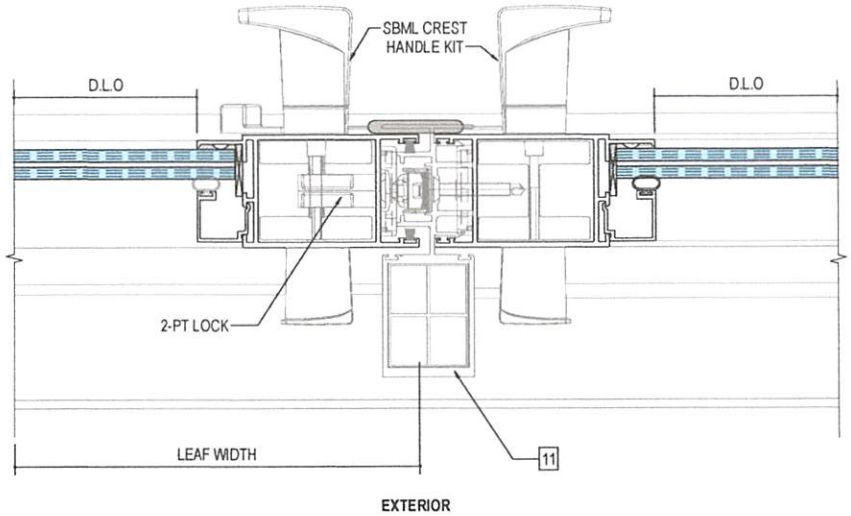
SECTIONAL DETAILS- HORIZONTAL

FL#47220.1



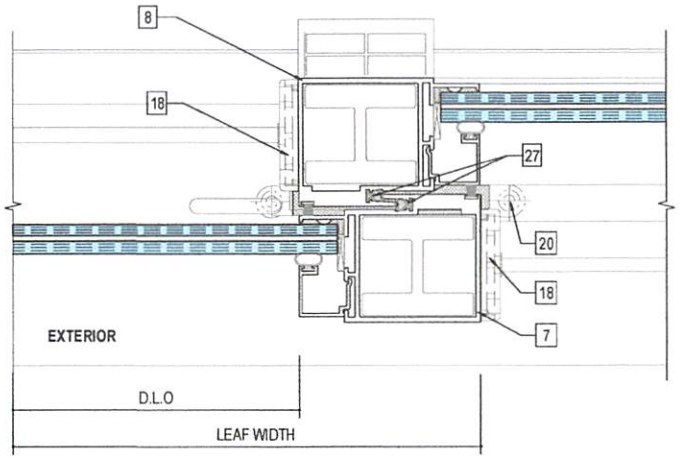
1/115 **DOOR JAMB HOOK STRIP DETAIL**

N.T.S



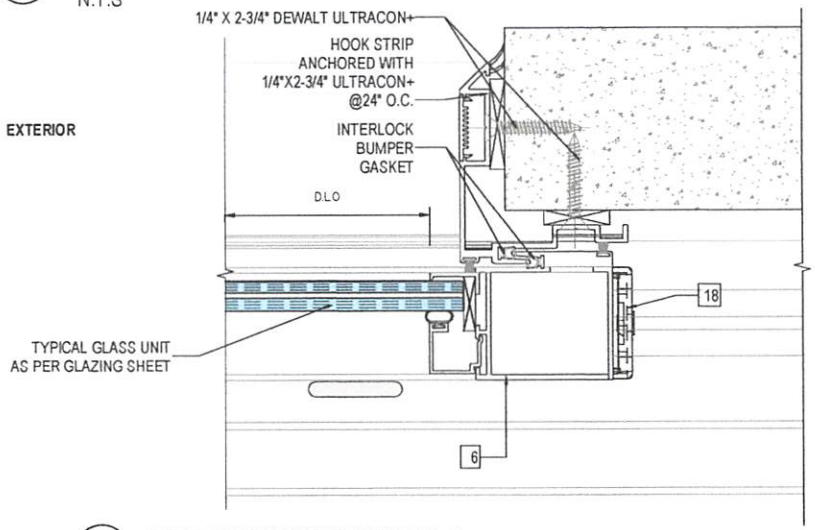
2/115 **STANDARD ASTRAGAL DETAIL (AST - 3)**

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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(LARGE AND SMALL MISSILE IMPACT RATED)

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8600 N.W. 36th ST. MIAMI, FL 33166
TEL. (305) 885-5259 FAX. (305) 885-5902

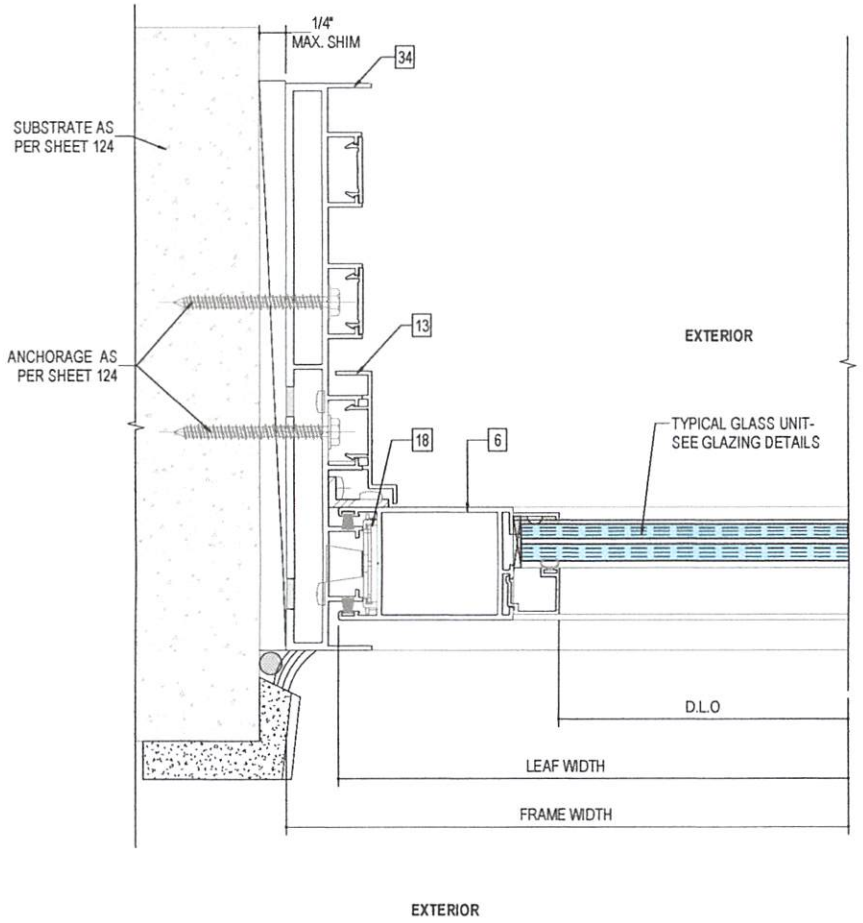
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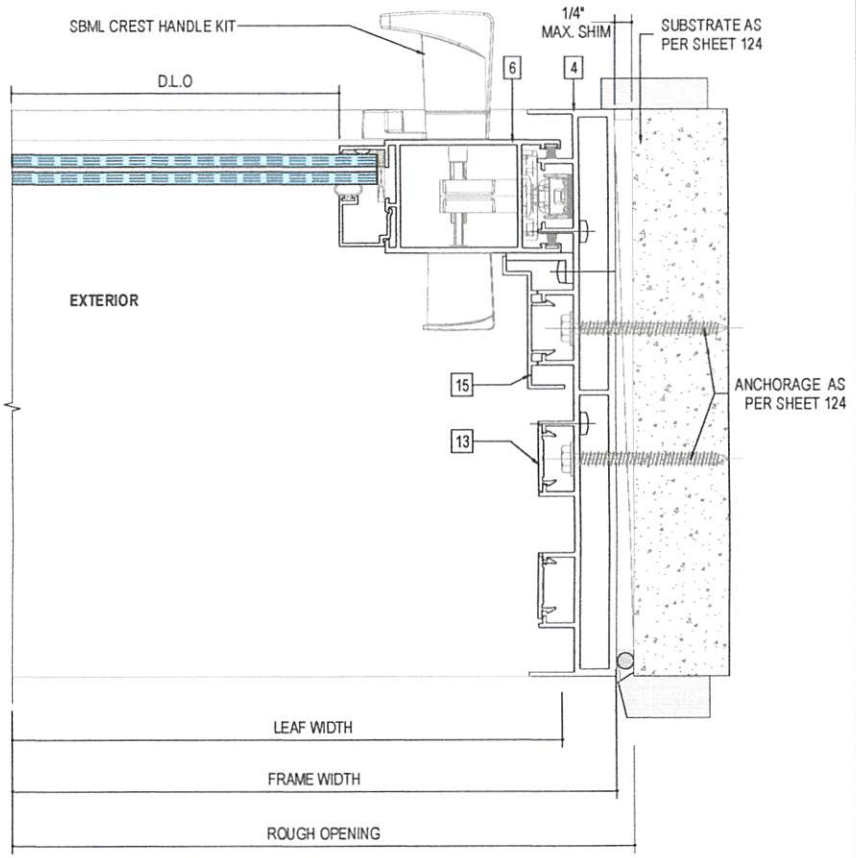
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115 | 115 OF 128

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 window systems
ECO WINDOW SYSTEMS, LLC
8700 NW 36th ST. MIAMI, FL 33166
TEL. (305) 885-5250 FAX. (305) 885-5902

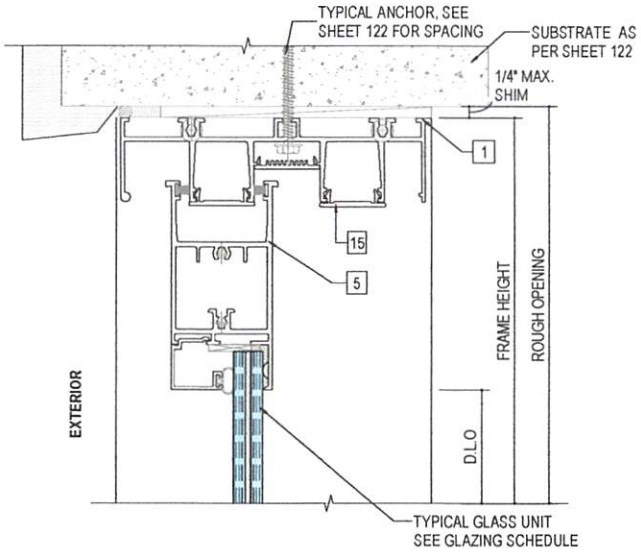
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116

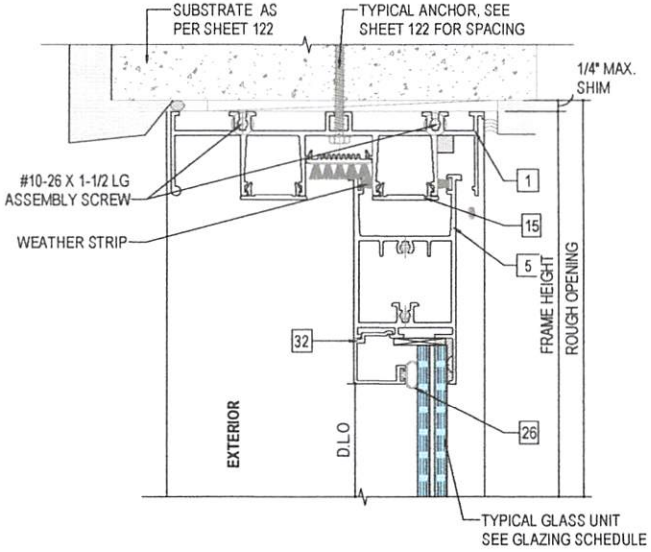
SECTIONAL DETAILS - VERTICAL

FL#47220.1



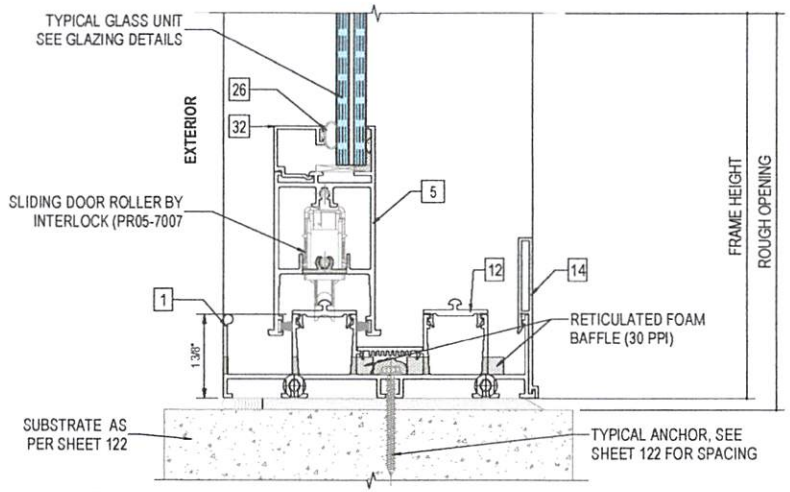
1/117 **DOOR HEAD DETAIL - 2 TRACK (INACTIVE)**

N.T.S



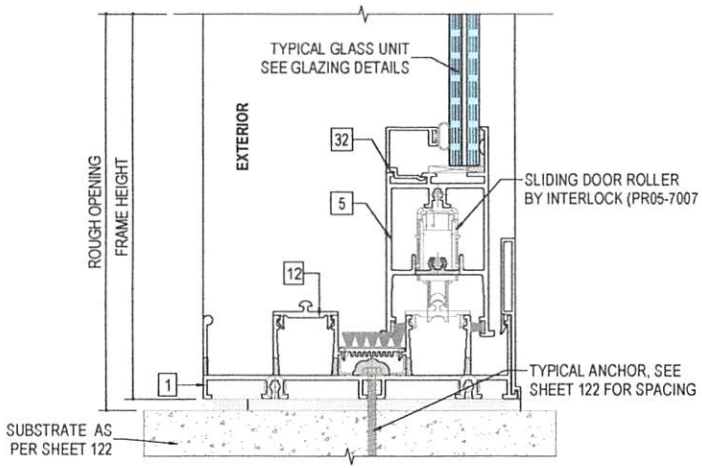
2/117 **DOOR HEAD DETAIL- 2 TRACK (ACTIVE)**

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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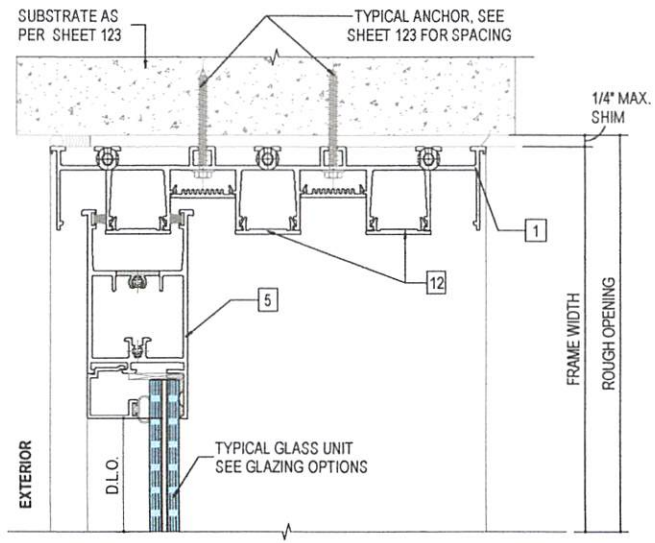
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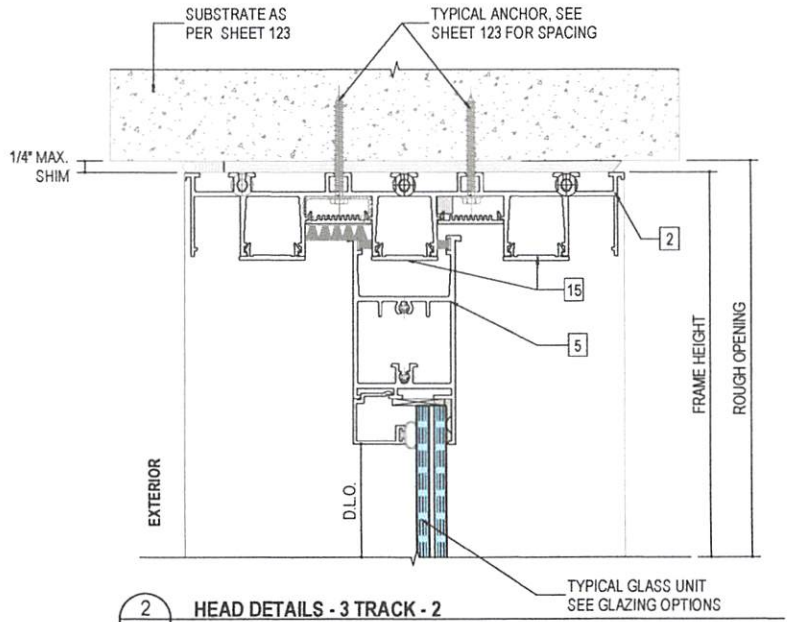
SECTIONAL DETAILS - VERTICAL

FL#47220.1



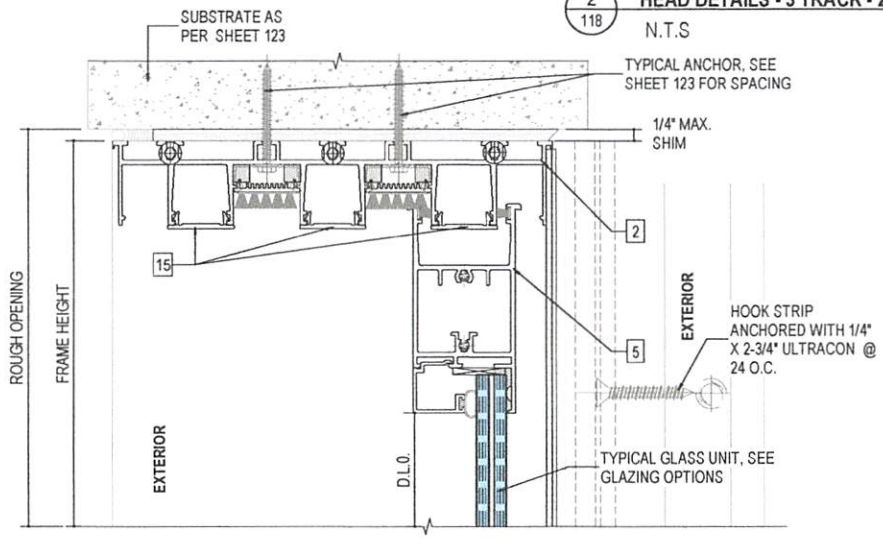
1/118 **HEAD DETAILS - 3 TRACK - 1**

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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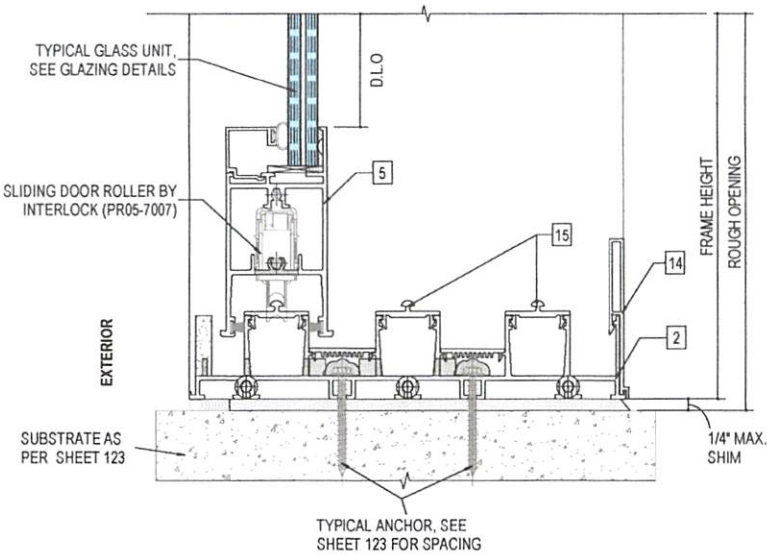
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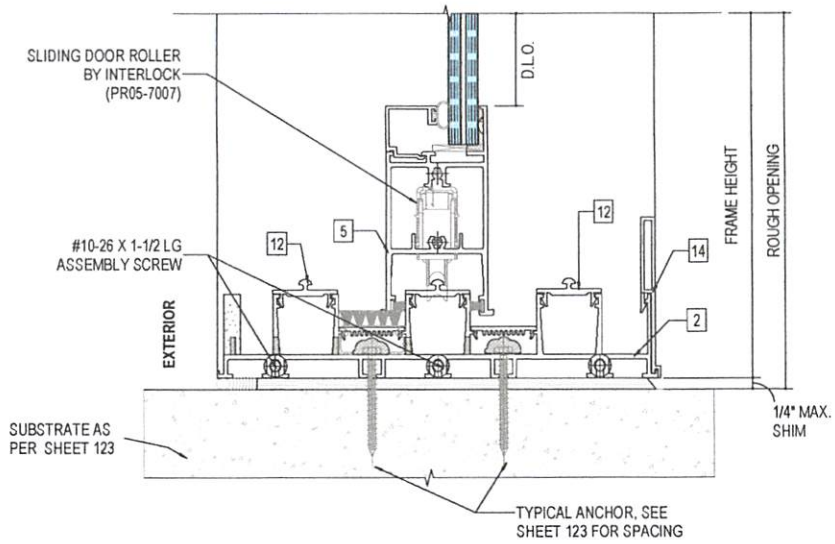
SECTIONAL DETAILS- VERTICAL

FL#47220.1



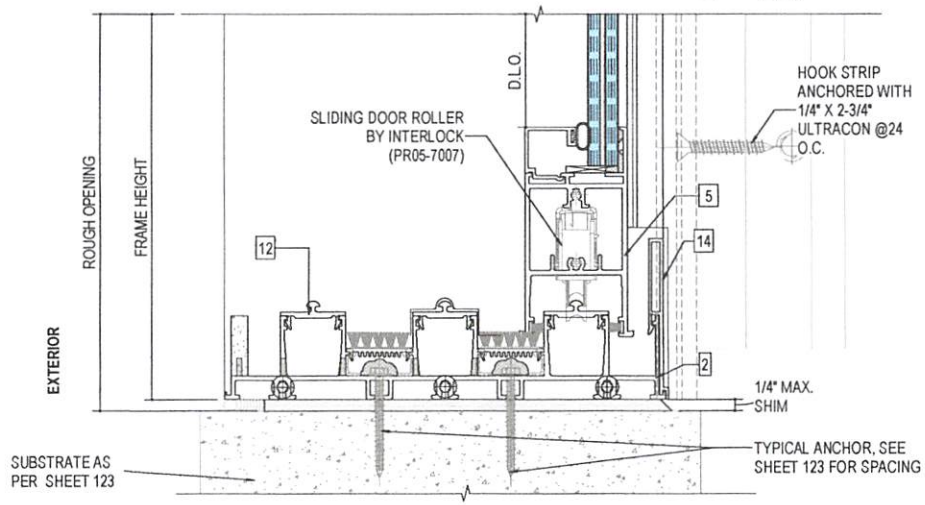
1/119 **SILL DETAILS - 3 TRACK - 1**

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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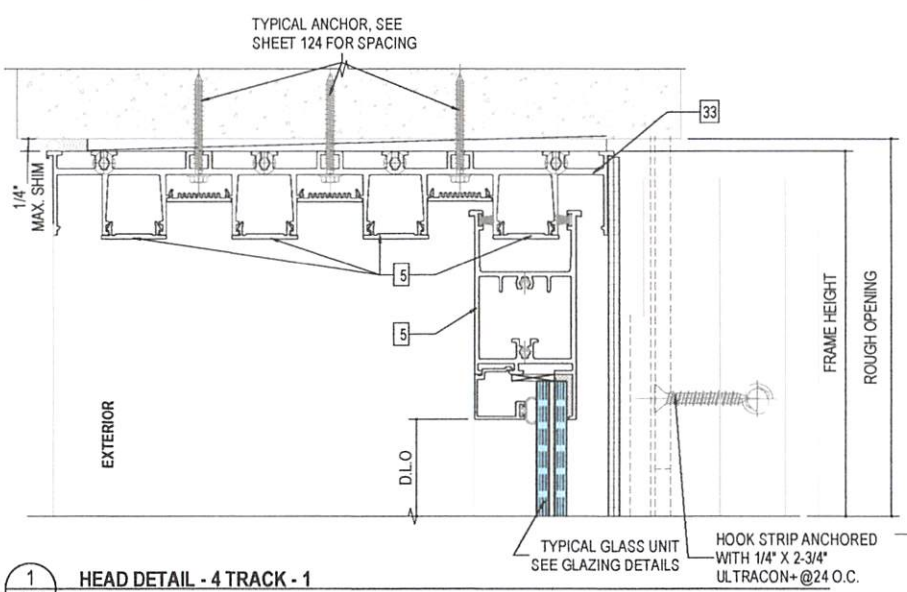
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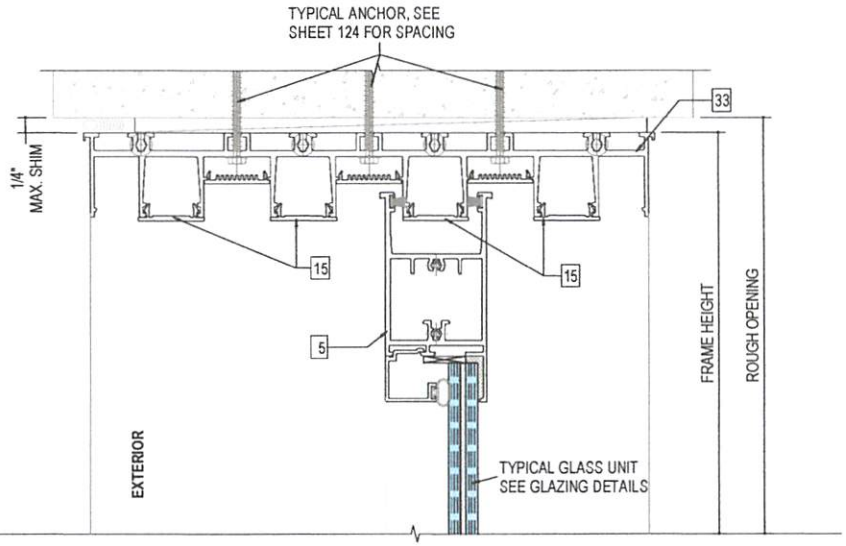
SECTIONAL DETAILS - VERTICAL

FL#47220.1



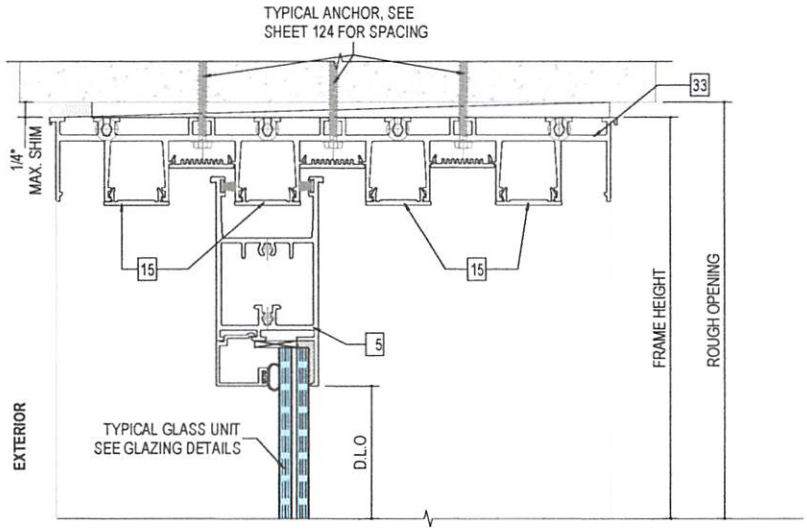
1/120 **HEAD DETAIL - 4 TRACK - 1**

N.T.S



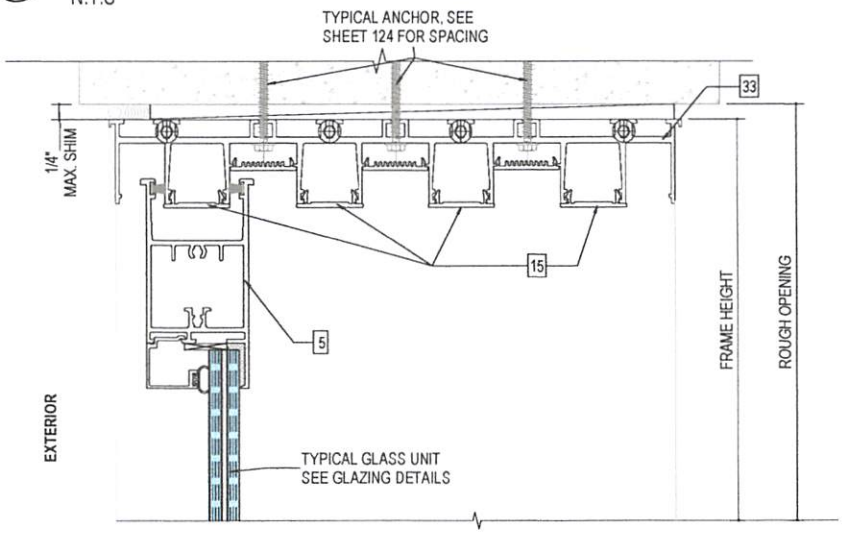
2/120 **HEAD DETAIL 4 TRACK - 2**

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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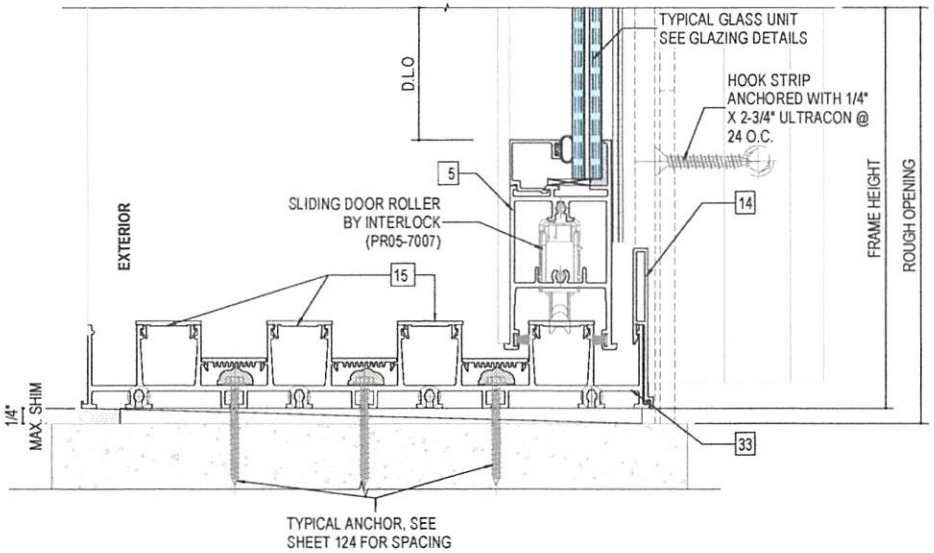
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ECO WINDOW SYSTEMS, LLC
8502 N.W. 80th ST. MEDLEY, FL 33166
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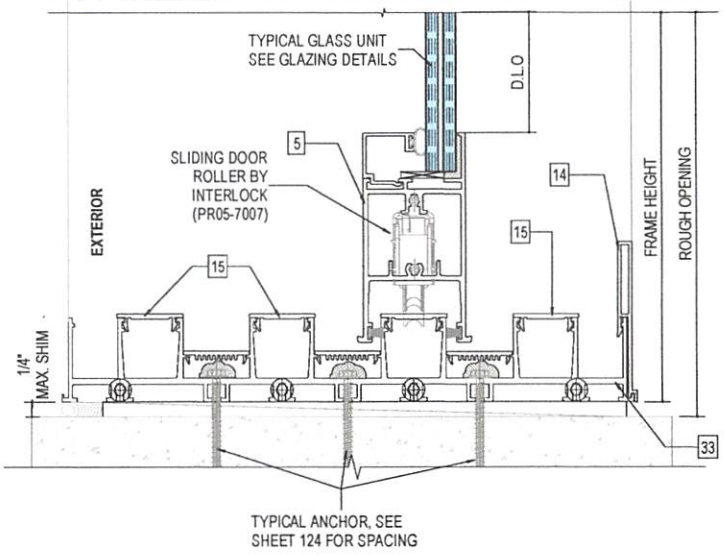
SECTIONAL DETAILS- VERTICAL

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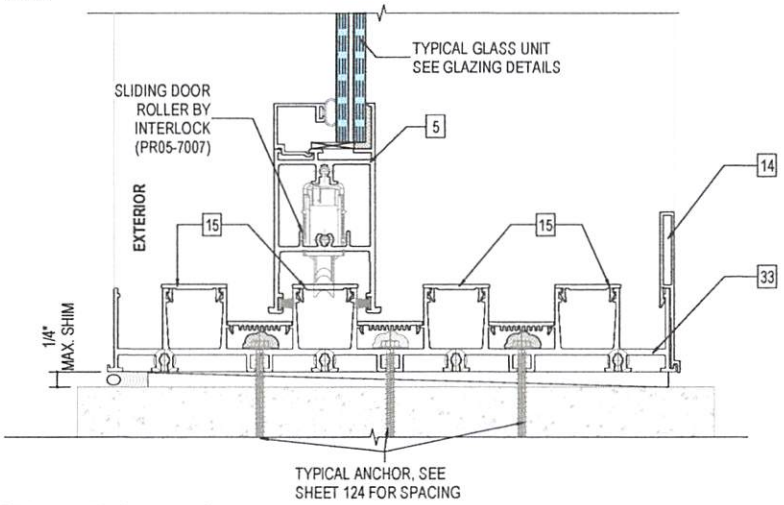
1 / 121 **SILL DETAIL -4 TRACK -1**

N.T.S



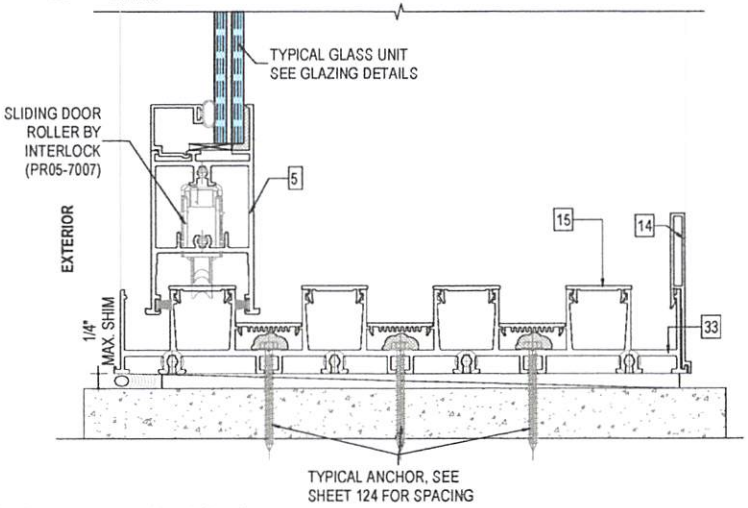
2 / 121 **SILL DETAIL -4 TRACK- 2**

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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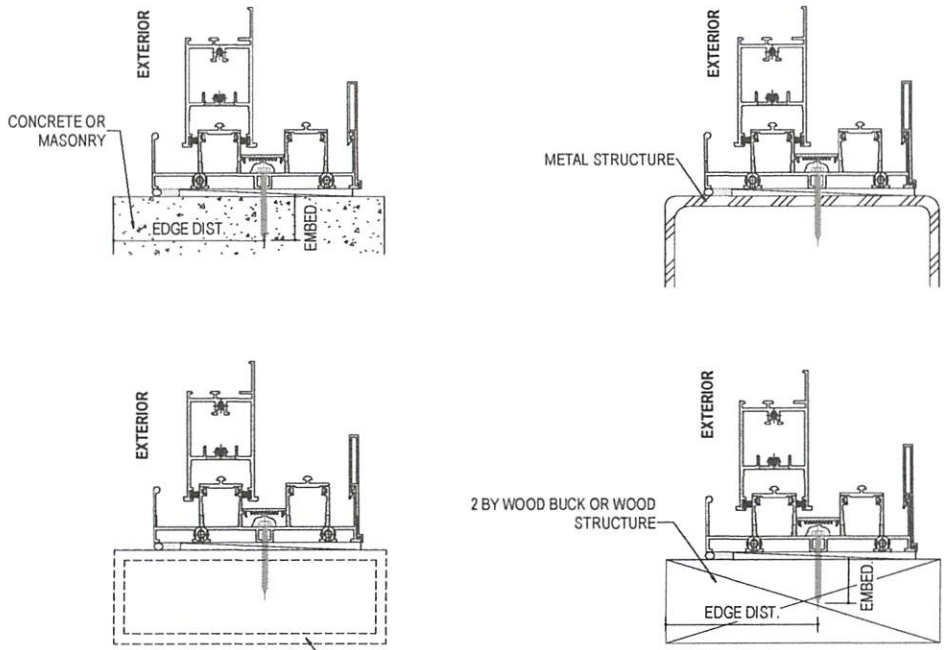
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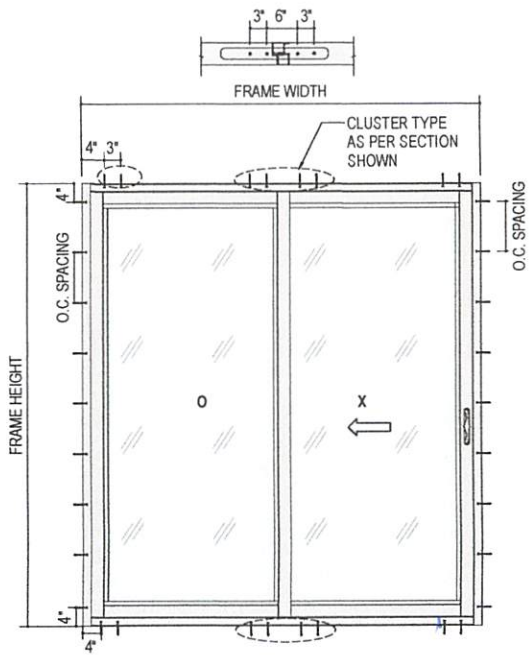
ANCHORAGE DETAILS - TWO TRACK

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:
ALL JOINTS AND FRAME CONNECTIONS SHALL BE SEALED WITH ALUMINUM COLOR SEALANT.

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

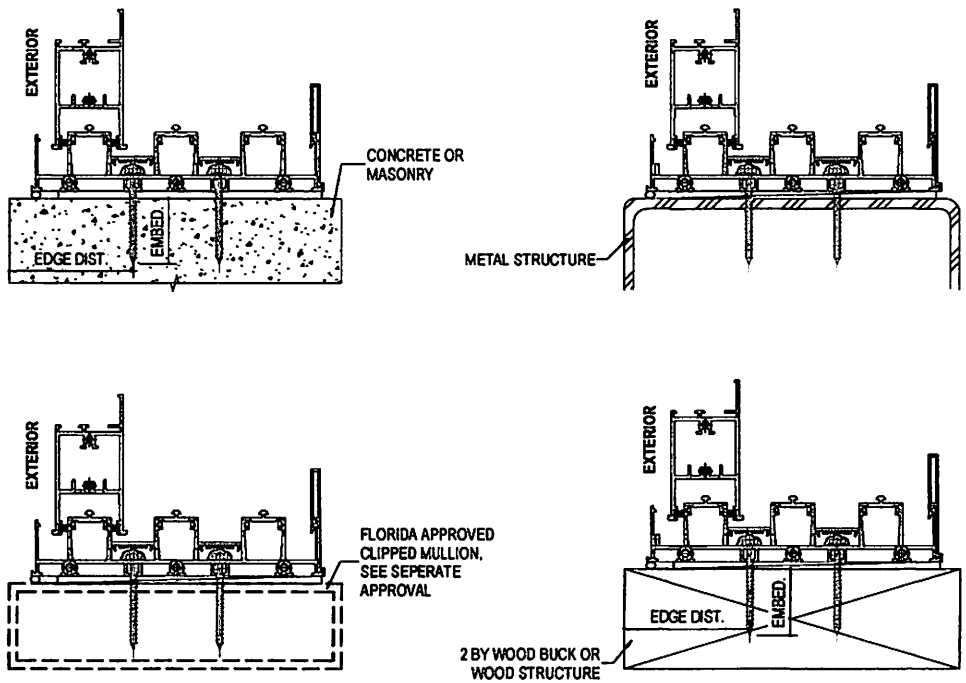
ECO WINDOW SYSTEMS, LLC
8500 N.W. 88th ST. MEDLEY, FL 33166
TEL. (305) 885-5299 FAX. (305) 885-5902

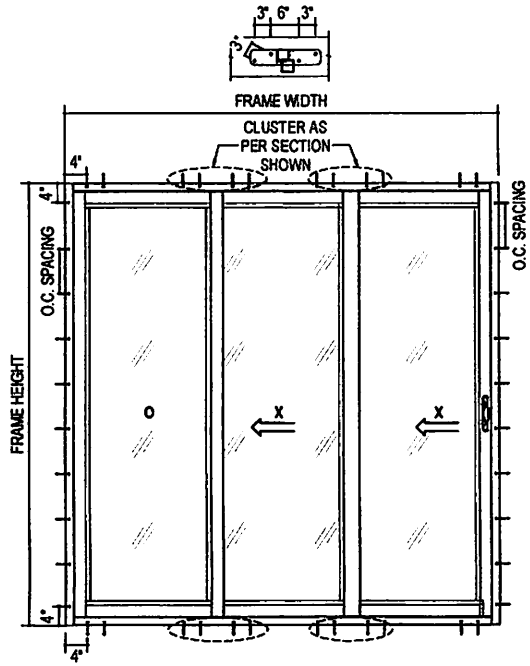
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

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):

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 ON 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 ON 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 INTO HEAD/SILL AND 14" O.C. SPACING ON JAMB
- DIRECTLY 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.

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 INTO HEAD/SILL AND 24" O.C. SPACING 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 INTO HEAD/SILL AND 14" O.C. SPACING ON JAMB

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:
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:
ALL JOINTS AND FRAME CONNECTIONS SHALL BE SEALED WITH ALUMINUM COLOR SEALANT.

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

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

REVISION

No	DATE	BY	DESCRIPTION

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

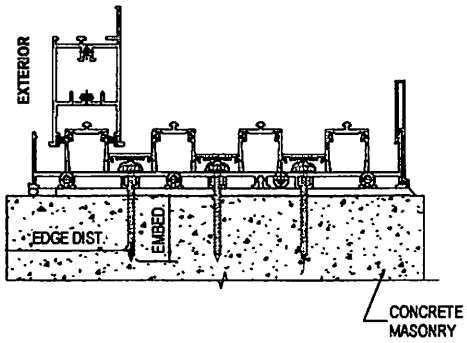
ECO window systems
ECO WINDOW SYSTEMS, LLC.
8302 N.W. 30th ST. MEDLEY, FL 33166
TEL. (305) 825-0200 FAX. (305) 825-8822

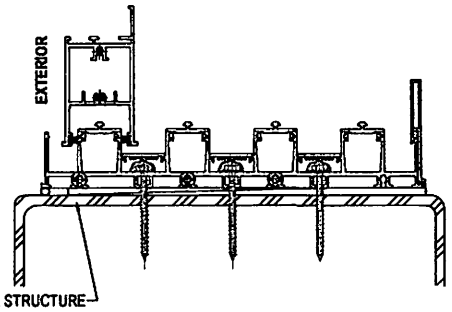
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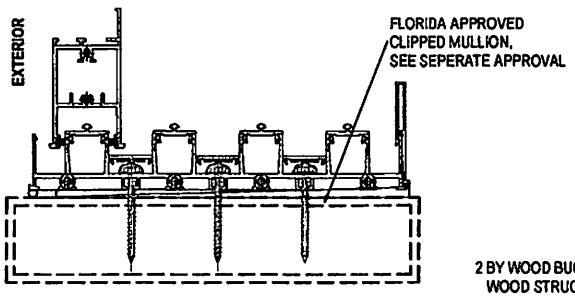
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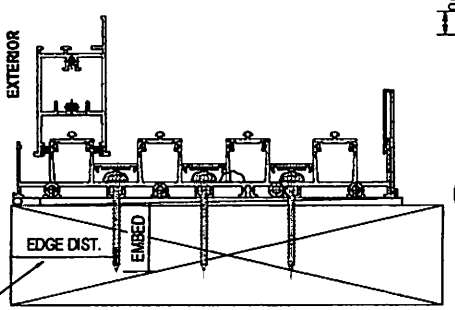
ANCHORAGE DETAILS - FOUR TRACK

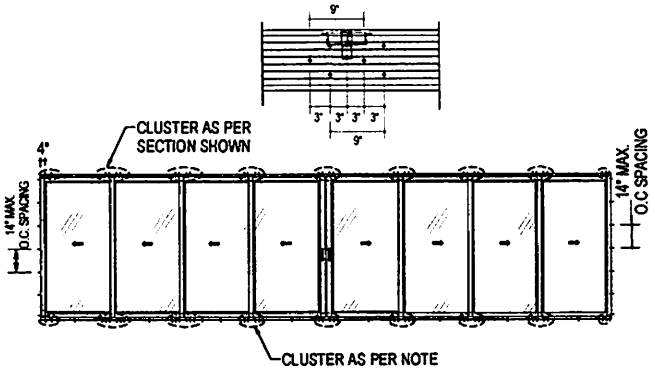
FL#47220.1











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

N.T.S

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

N.T.S

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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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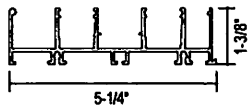
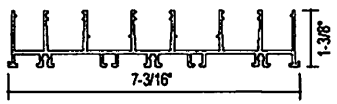
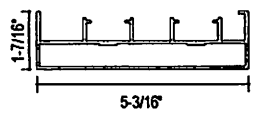
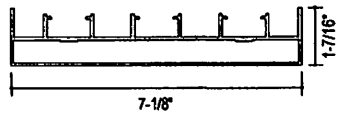
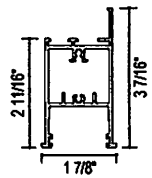
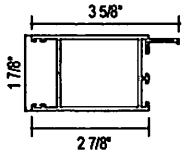
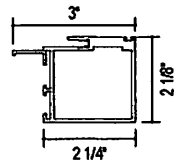
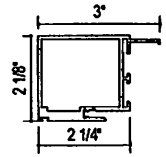
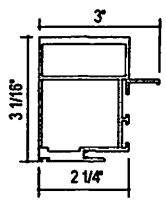
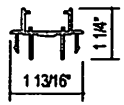
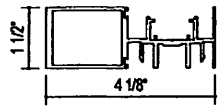
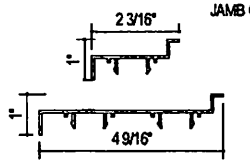
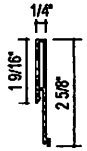
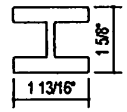
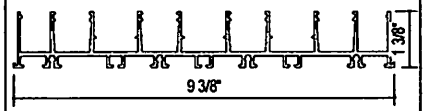
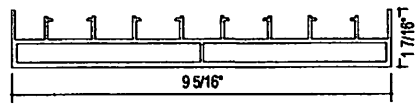
ECO WINDOW SYSTEMS, LLC
6500 NW 36th AVENUE, MIAMI, FL 33166
TEL. (305) 652-0220 FAX. (305) 285-2502

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

JAVAD AHMAD PE, Inc
7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-6001
support@a-pe.com

drawing no.	JA-1321-25	drawn by:	AX	No.	DATE	BY	DESCRIPTION
date:	10-21-2025	check by:	MX				REVISION

ECO-NOVO SERIES: 775 SLIDING DOOR SYSTEM
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8700 N.W. 52ND ST. MIEDLEY, FL 33166
TEL. (305) 592-2220 FAX. (305) 883-8922

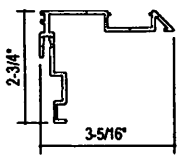
JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

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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

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

drawing no.	JA-1321-25	drawn by:	AX
date:	10-21-2025	check by:	MX

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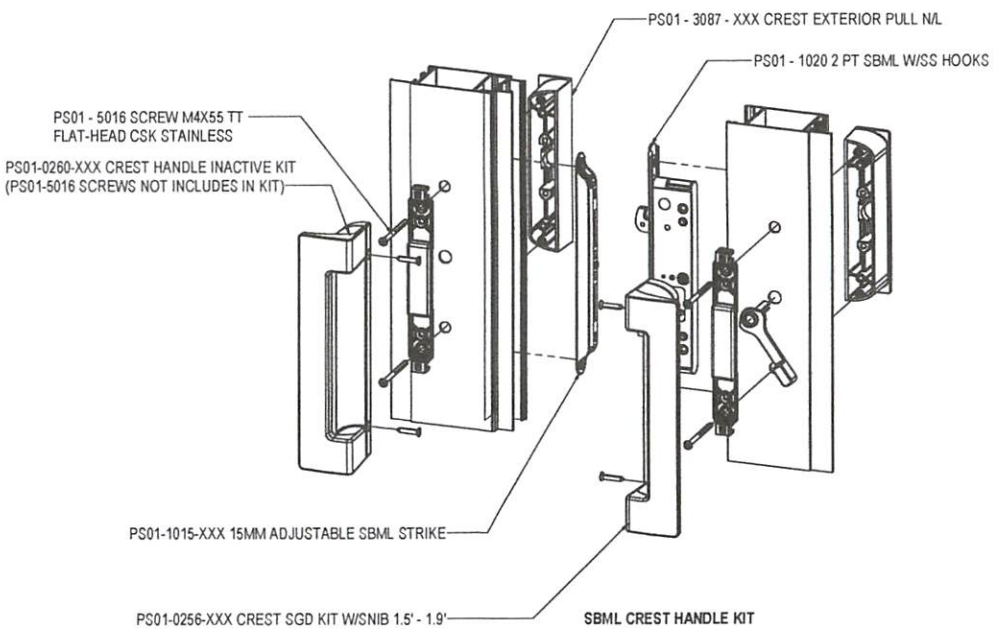
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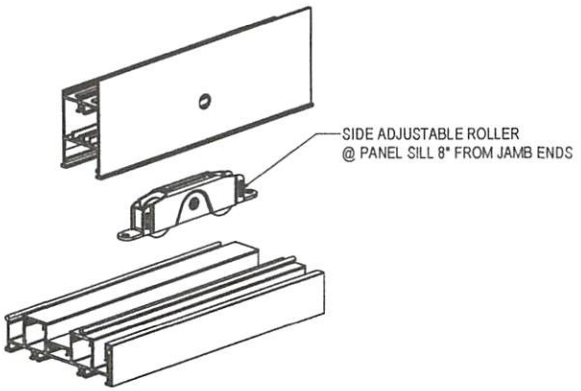
SEALED: 10-22-2025

HARDWARE DETAILS

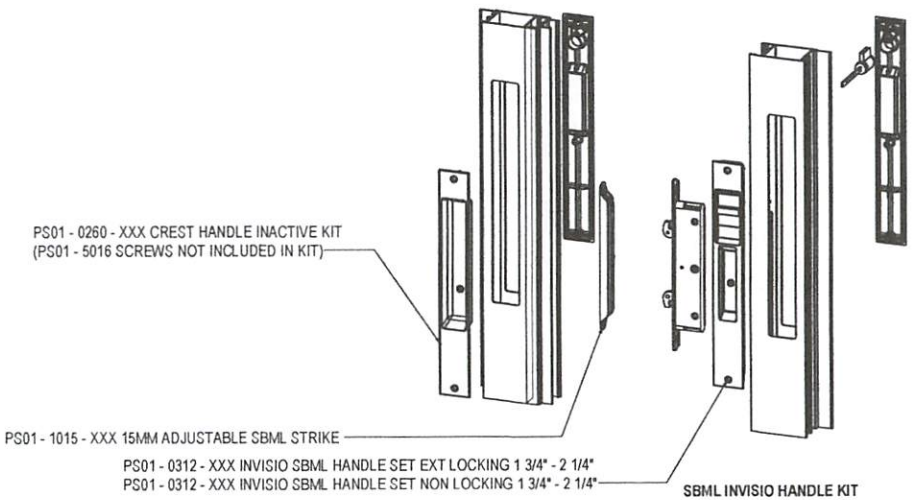
FL#47220.1



SBML CREST HANDLE KIT



ROLLER SYSTEM



SBML INVISIO HANDLE KIT

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date:	10-21-2025	check by:	MK

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No.	DATE	BY	DESCRIPTION

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

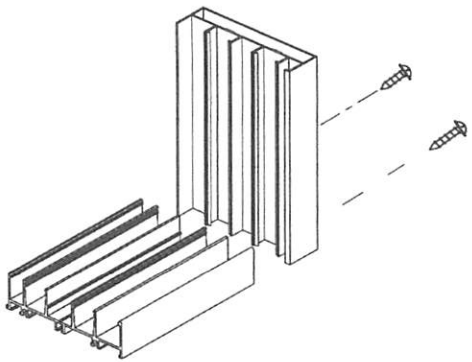
ECO window systems
ECO WINDOW SYSTEMS, LLC
8502 N.W. 66th ST. MIAMI, FL 33166
TEL. (305) 885-0299 FAX. (305) 885-5902

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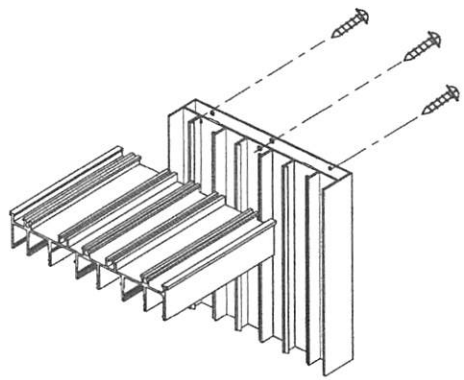
SEALED: 10-22-2025

FRAME ASSEMBLY DETAILS

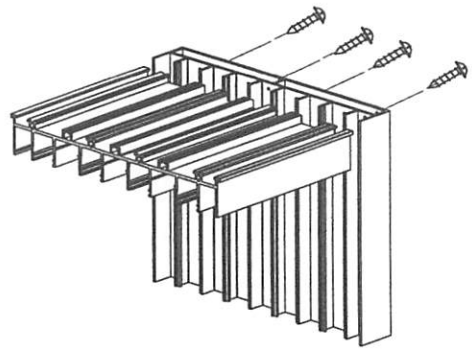
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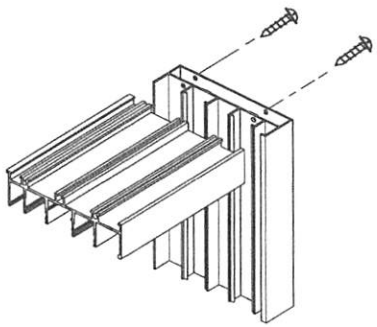
2 TRACK FRAME BOTTOM CORNER



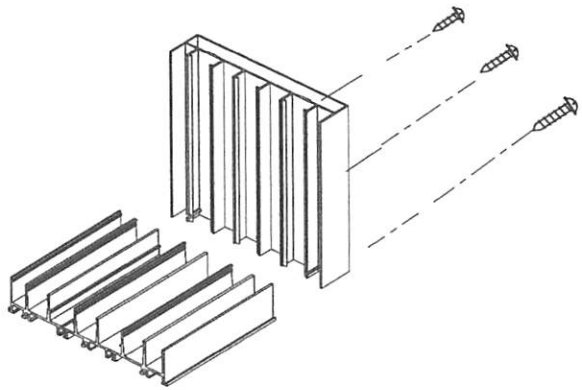
3 TRACK FRAME TOP CORNER



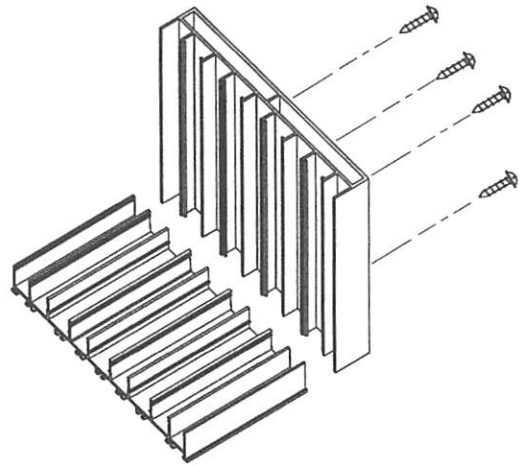
4 TRACK FRAME TOP CORNER



2 TRACK FRAME TOP CORNER



3 TRACK FRAME BOTTOM CORNER



4 TRACK FRAME BOTTOM CORNER

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
ECO WINDOW SYSTEMS, LLC.
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