

ATRIUM COMPANIES, INC.

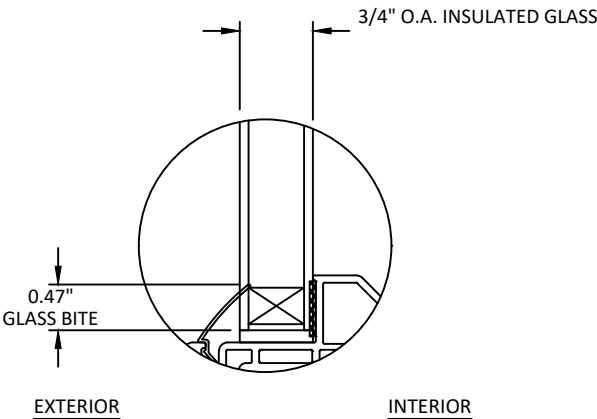
SERIES 700/720/750/760

MULLED CASEMENT WINDOW

(NON-HVHZ)(NON-IMPACT)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-08/11
 - AAMA 450-10
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: PVC
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - X: OPERABLE PANEL
 - O: FIXED PANEL



GLAZING DETAIL

NOTE:
GLASS THICKNESS AND TYPE SHALL
COMPLY WITH ASTM E 1300 GLASS
CHART REQUIREMENTS

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OVERALL SIZE		CONFIGURATION	DESIGN PRESSURE
WIDTH	HEIGHT		
108"	72"	XXX, XOx, XOO, OOX, OXO	+/- 50 PSF
72"	108"	O.O/X.X, O.O/O.X, O.O/X.O	+/- 35 PSF
36"	108"	O/X	+/- 35 PSF



Part of the Cornerstone Building Brands Family

ATRIUM COMPANIES, INC.
300 Welcome Center Blvd.
Welcome, NC 27374
(800)-542-9118

TITLE: SERIES 700/720/750/760
MULLED CASEMENT WINDOWS
(NON-HVHZ)(NON-IMPACT)
GENERAL NOTES AND GLAZING DETAIL

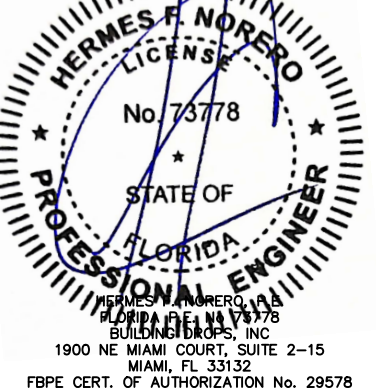
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
FBC 2017 CODE CHANGE	AG	10.03.17
2020 FBC UPDATE	NUS	08.13.20
UPDATED TO CURRENT FBC	KKB	08.13.24

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.03.11 14:50:46 -04'00'



FL #:	FL11821
DATE:	10.03.17
DWG. BY:	CHK. BY:
AG	HFN
SCALE:	NTS
DWG. #:	ATR109
SECTION:	1
	OF 8

TITLE: SERIES 700/720/750/760
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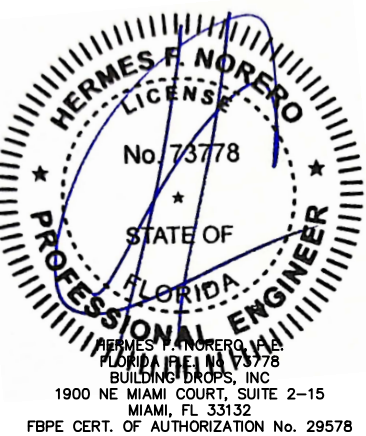
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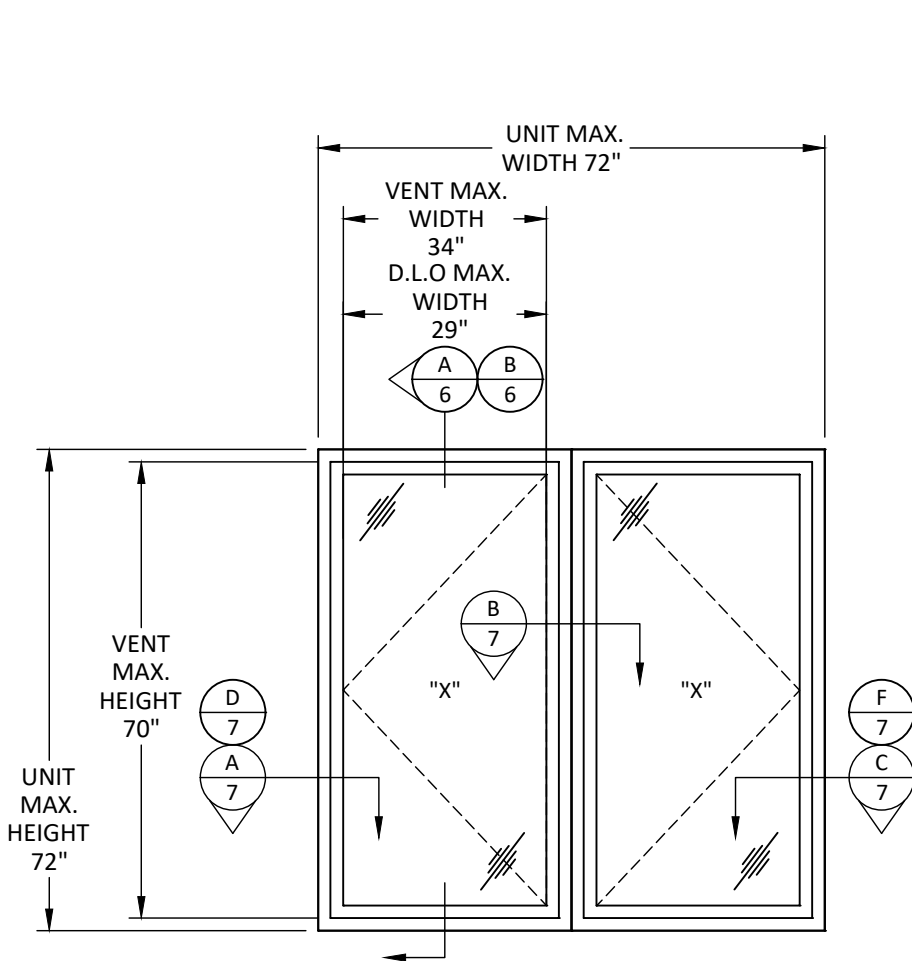
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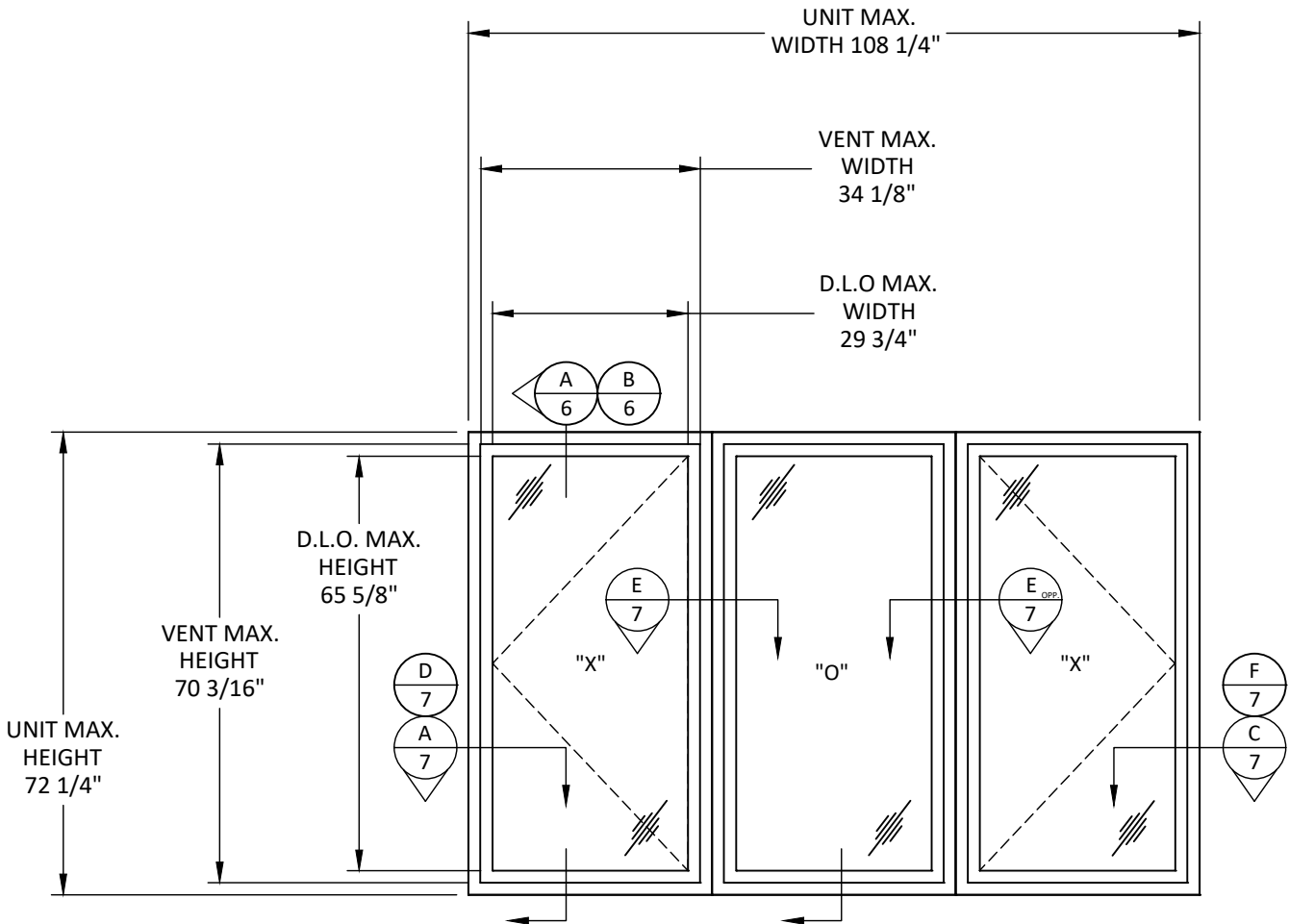
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TYPICAL ELEVATION



TYPICAL ELEVATION

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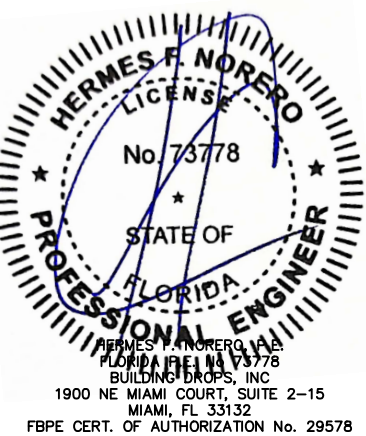
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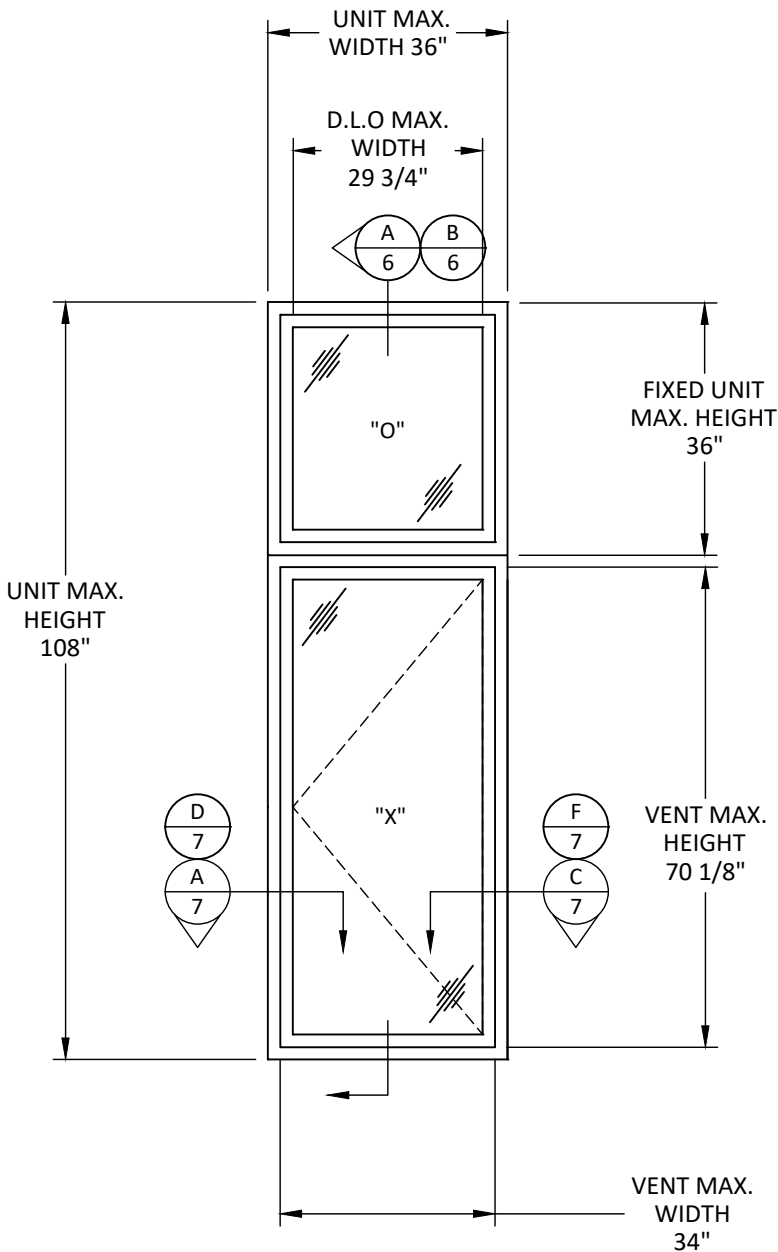
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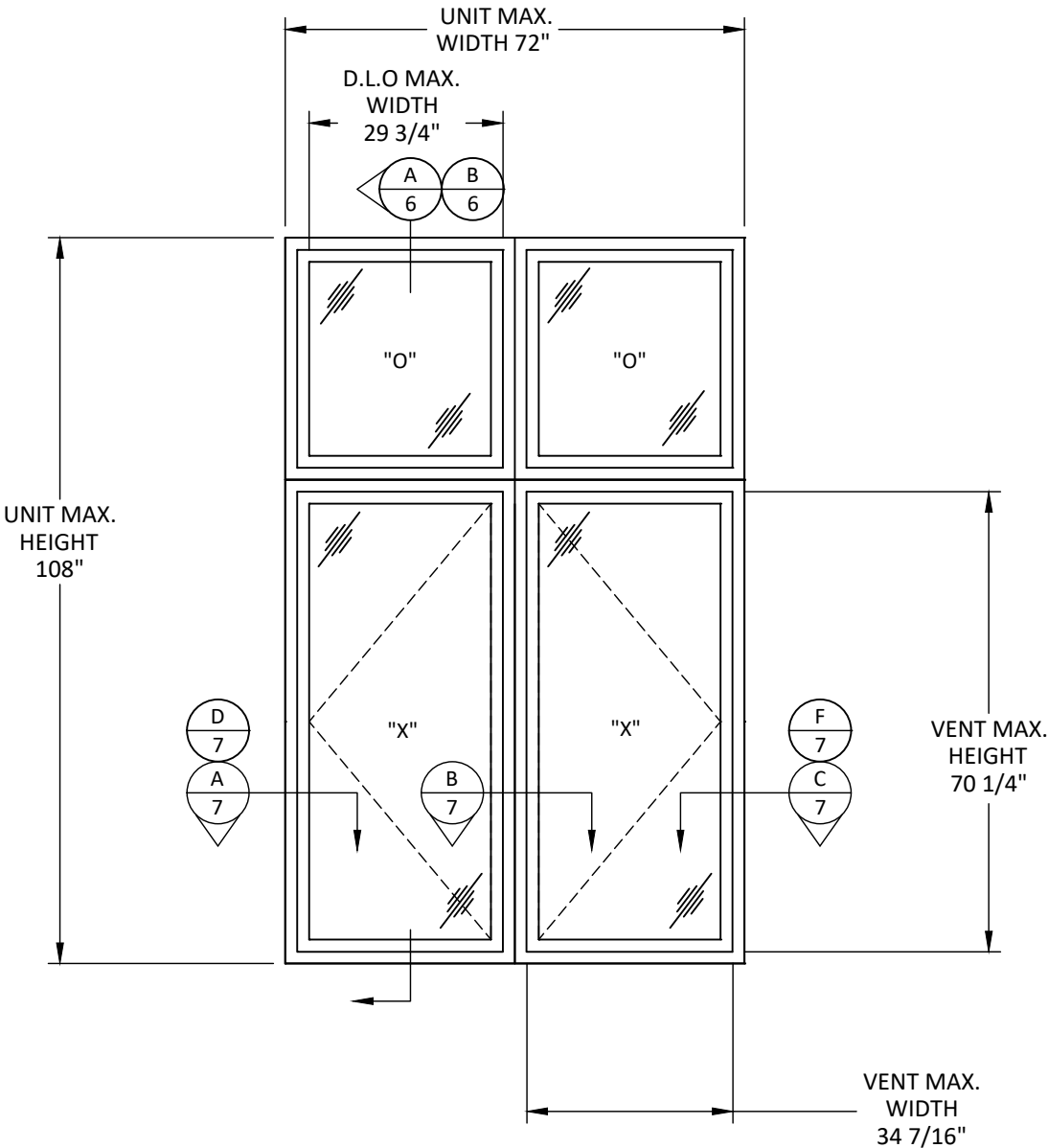
SECTION:

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TYPICAL ELEVATION



TYPICAL ELEVATION

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MULLED CASEMENT WINDOWS
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ANCHOR LAYOUTS

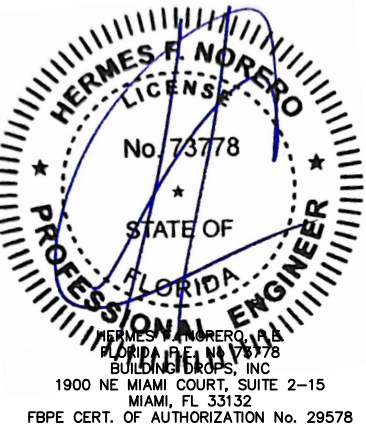
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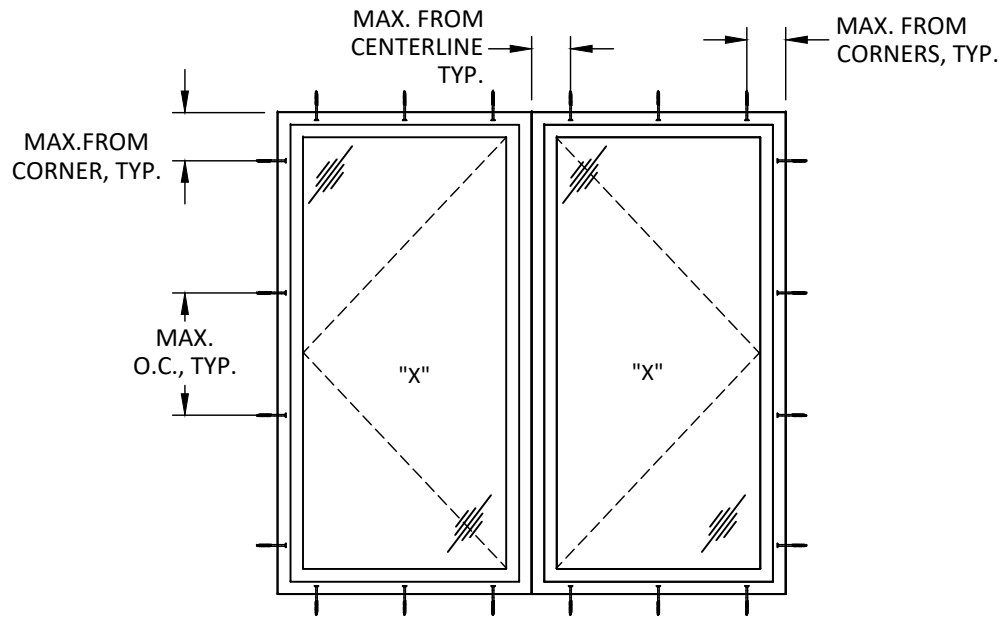
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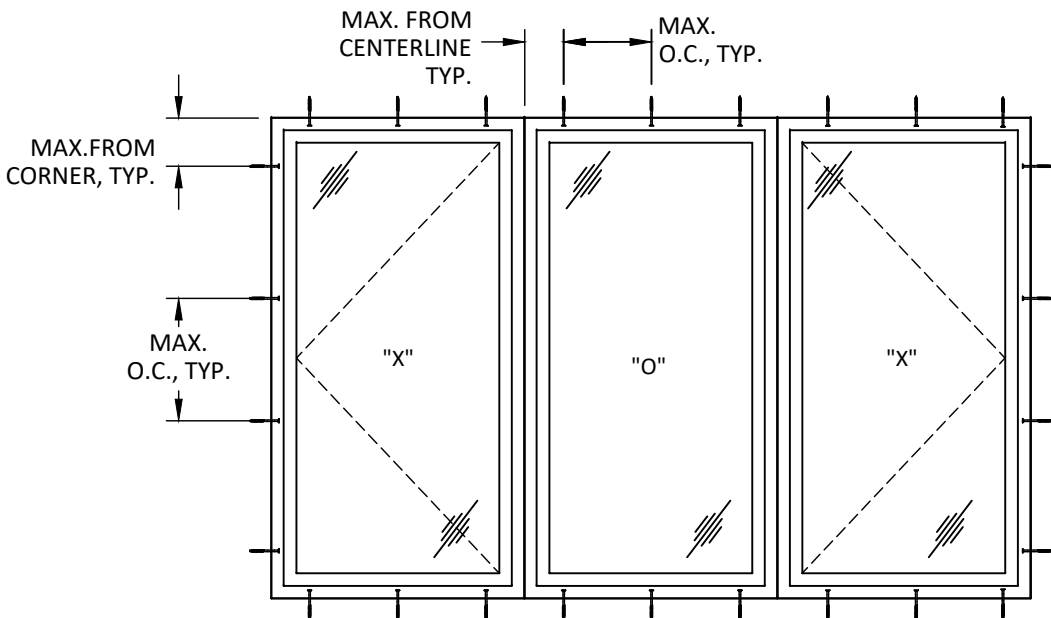
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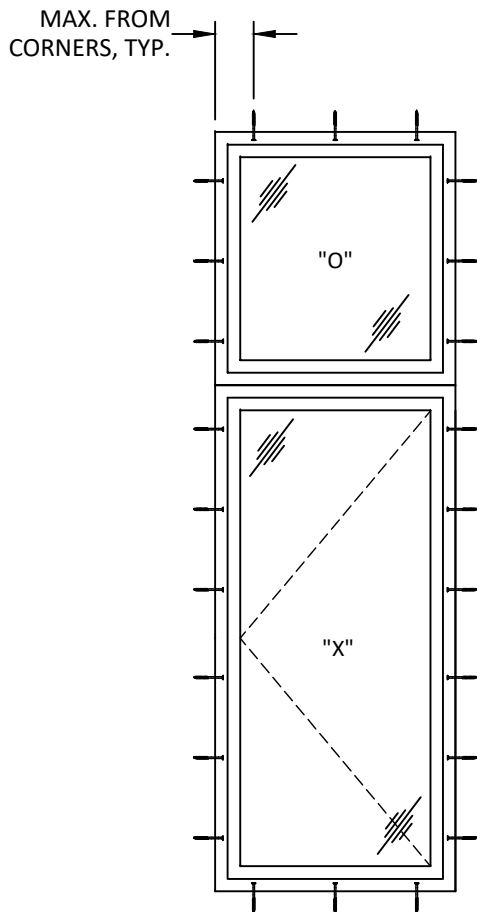
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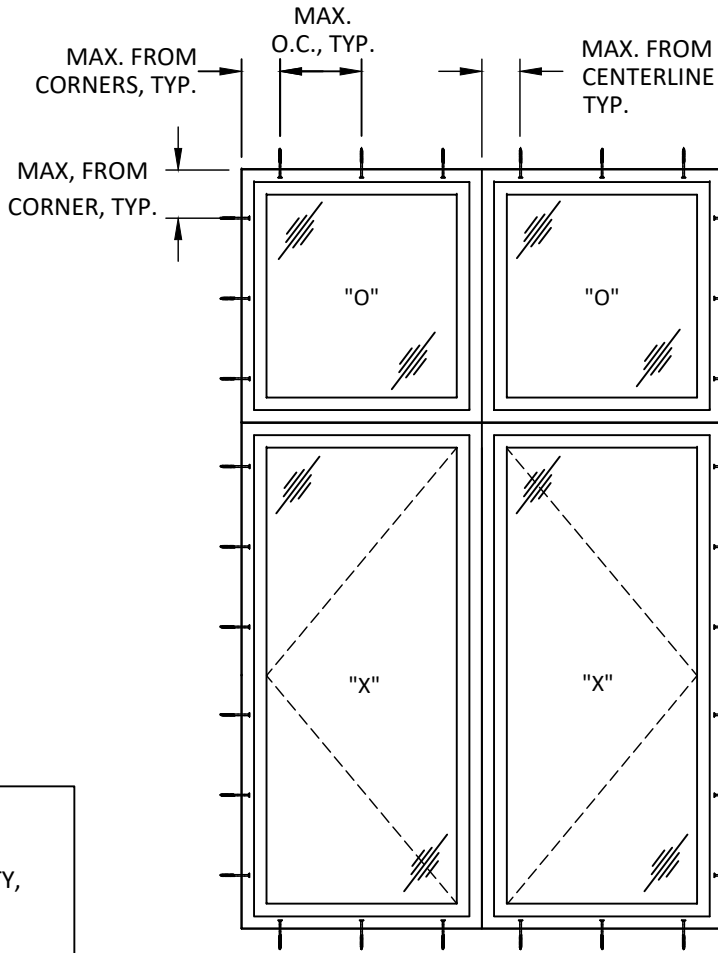
ANCHOR LAYOUT



ANCHOR LAYOUT



ANCHOR LAYOUT



ANCHOR LAYOUT

NOTE :
FOR MORE ANCHOR INFORMATION
(INSTALLATION TYPE, SPACING, QUANTITY,
TYPE, QUALIFIED SUBSTRATES)
SEE SHEET 7

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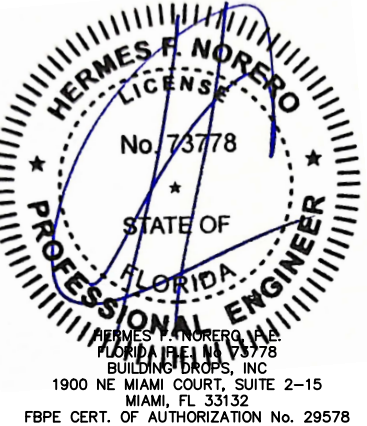
VERTICAL SECTIONS

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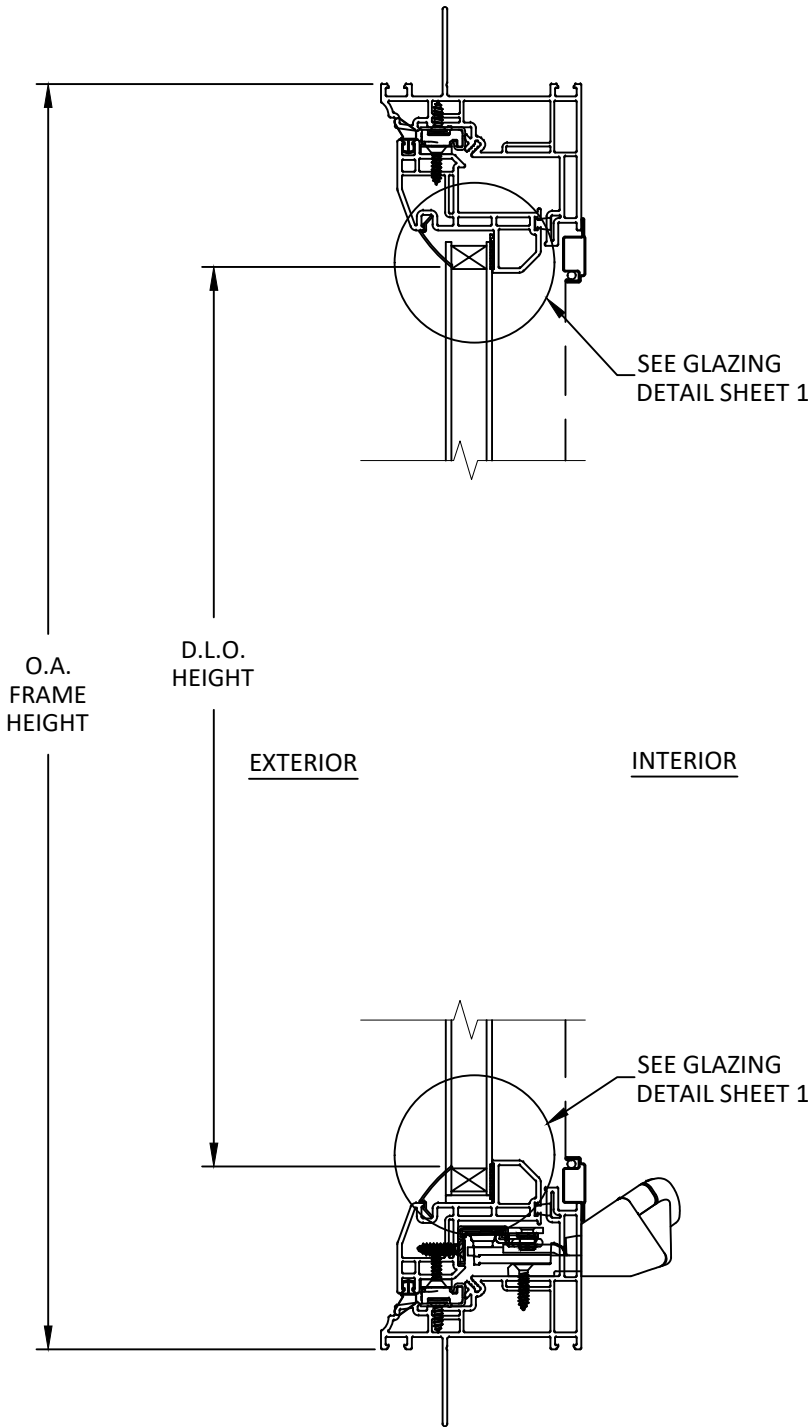
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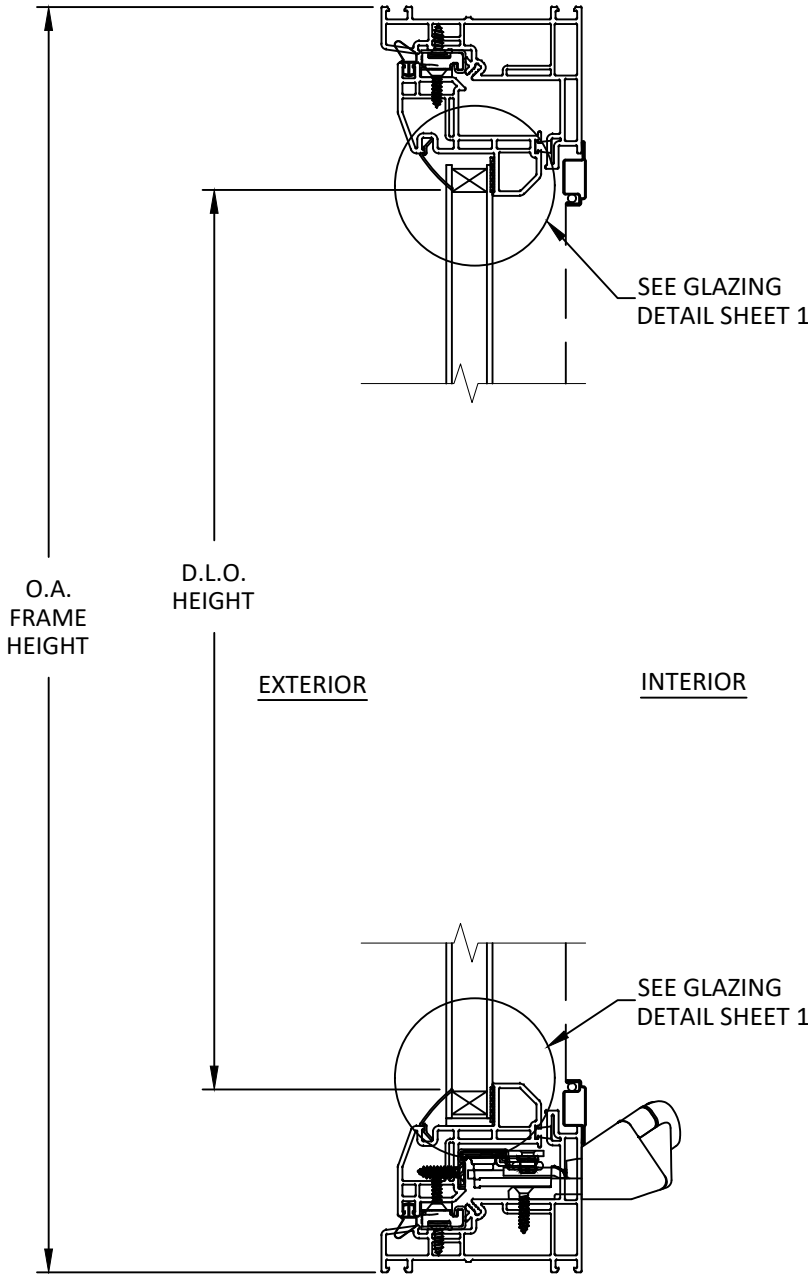
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 SECTION:

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A
5 **VERTICAL SECTION**
 FIN FRAME



B
5 **VERTICAL SECTION**
 FINLESS FRAME

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VERTICAL SECTIONS

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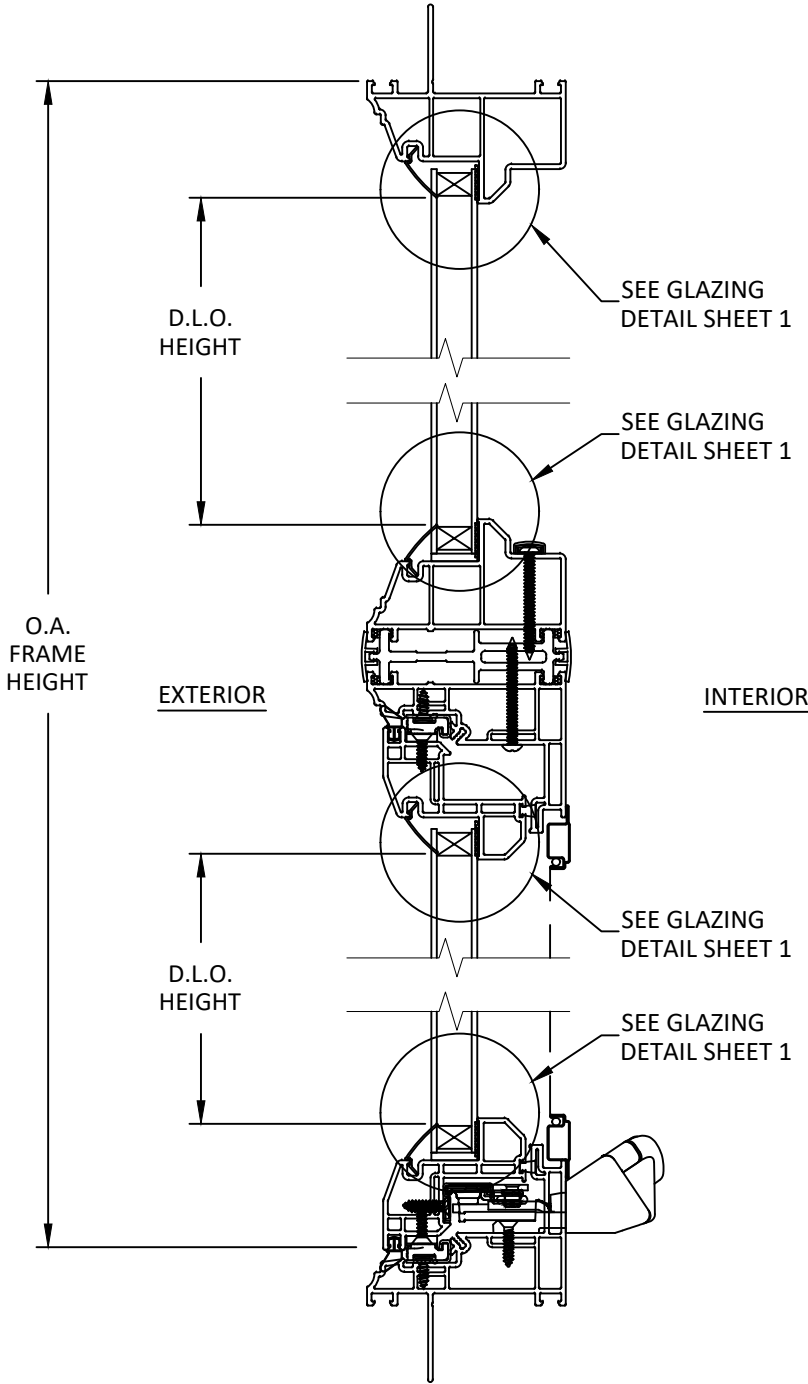
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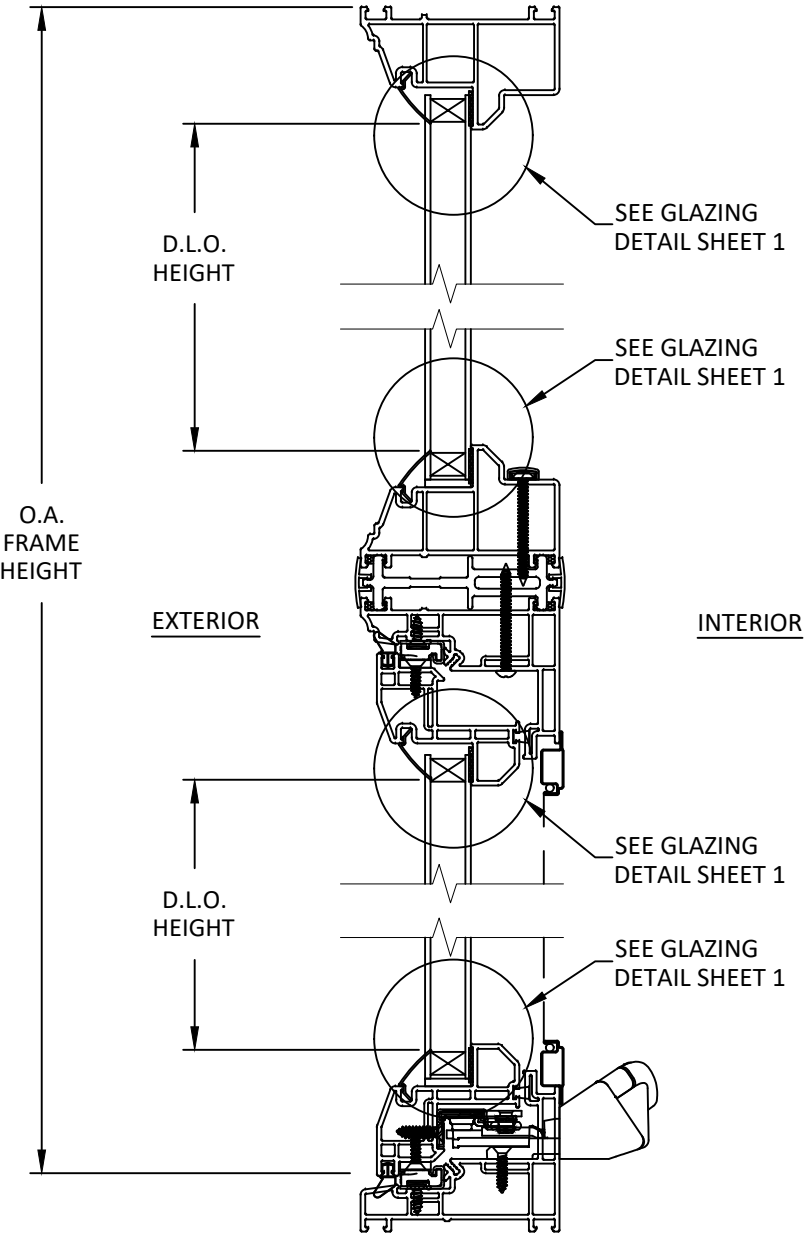
DWG. #: **ATR109**

SECTION:
6

OF 8



A
6 **VERTICAL SECTION**
FIN FRAME



B
6 **VERTICAL SECTION**
FINLESS FRAME

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MULLED CASEMENT WINDOWS
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HORIZONTAL SECTIONS

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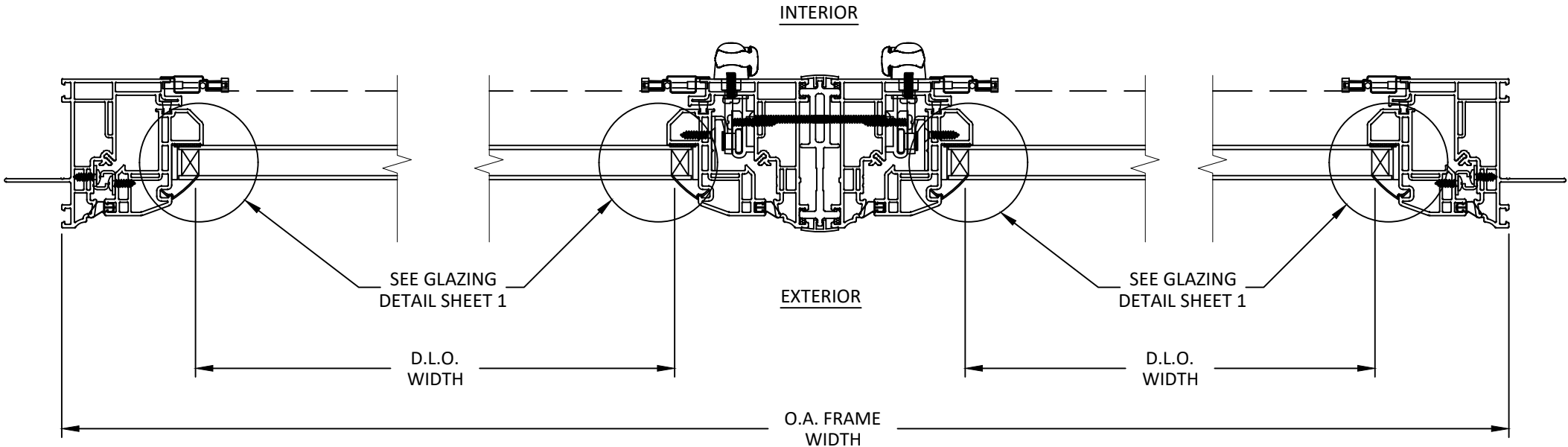


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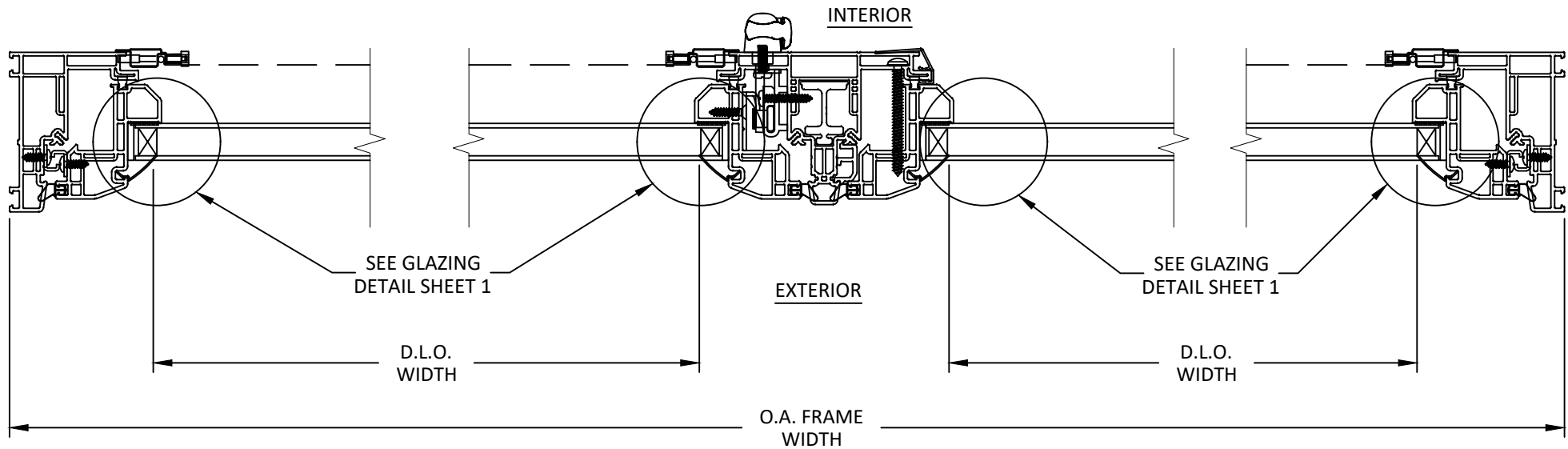
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SCALE:	NTS
DWG. #:	ATR109
SECTION:	7
	OF 8



A
7 **HORIZONTAL SECTION**
FIN FRAME
CASEMENT

B
7 **HORIZONTAL SECTION**
MULLION
CASEMENT / CASEMENT

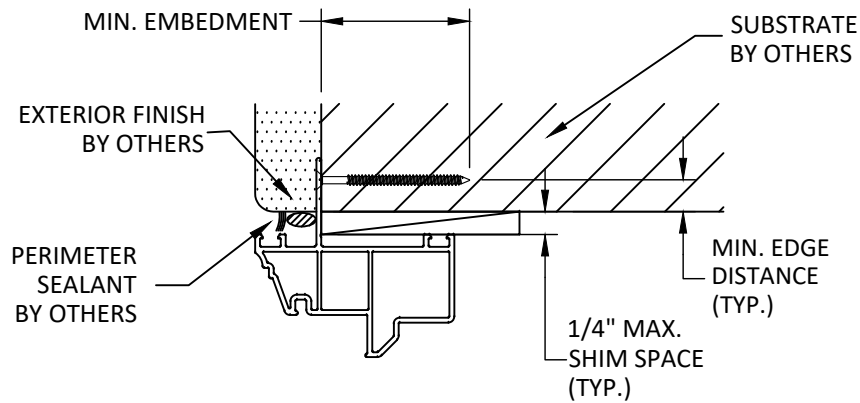
C
7 **HORIZONTAL SECTION**
FIN FRAME
CASEMENT



D
7 **HORIZONTAL SECTION**
FINLESS FRAME
CASEMENT

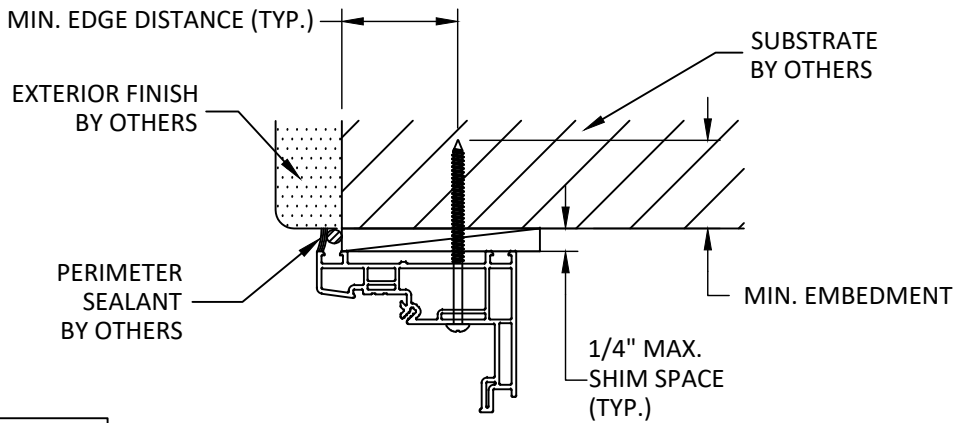
E
7 **HORIZONTAL SECTION**
MULLION
CASEMENT / FIXED

F
7 **HORIZONTAL SECTION**
FINLESS FRAME
CASEMENT

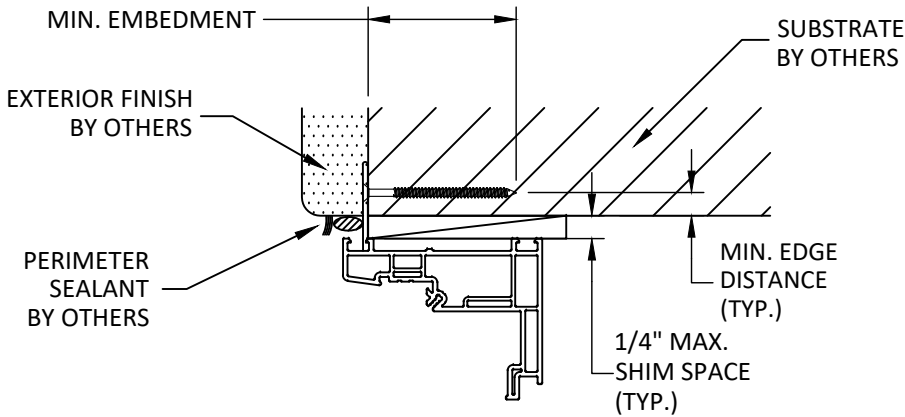


A
8 ANCHOR DETAIL
NAIL FIN

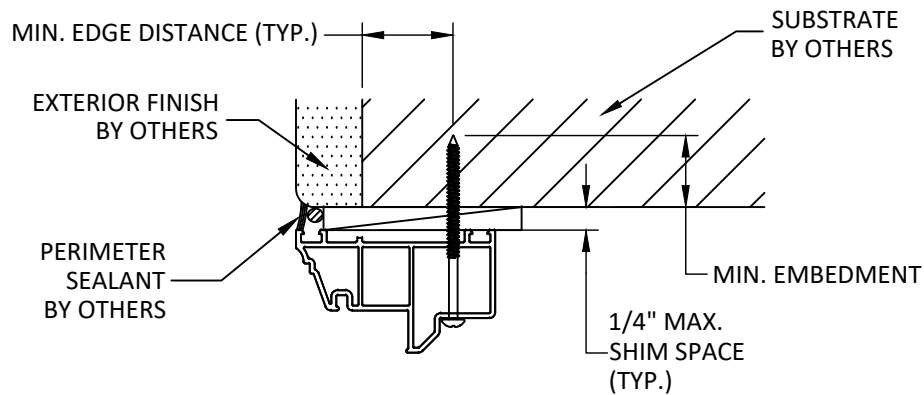
SILL & JAMB HAVE A SIMILAR DETAIL.



B
8 ANCHOR DETAIL
FINLESS THROUGH FRAME



C
8 ANCHOR DETAIL
NAIL FIN



D
8 ANCHOR DETAIL
FINLESS THROUGH FRAME

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS (20 GAUGE).
 - ALUMINUM - MINIMUM 6063-T5 ALLOY. MINIMUM WALL THICKNESS OF 1/8".

ANCHOR SCHEDULE								
INSTALLATION TYPE	ANCHOR QTY PER LOCATION	SUBSTRATE	ANCHOR TYPE	EMBEDMENT (IN.)	EDGE DISTANCE (IN.)	MAX. HEAD/SILL O.C. DISTANCE (IN.)	MAX. JAMB O.C. DISTANCE (IN.)	MAX. CORNER DISTANCE (IN.)
NAIL FIN	1	WOOD : MIN. SG=0.55	#8 WOOD SCREW	1.50	0.75	8.0	8.0	2.0
	1	METAL : 20 GAUGE STEEL, MIN. F _y =33KSI	#8 TEK SCREW	3 THREADS MIN. PENETRATION	0.5			
	1	METAL, MIN. 6063-T5 ALLOY, MIN 1/8" THICK	#8 TEK SCREW	3 THREADS MIN. PENETRATION	0.5			
THROUGH FRAME	1	WOOD : MIN. SG=0.55	#10 WOOD SCREW	1.50	0.75	7.5	15.0	6.0
	1	METAL : 20 GAUGE STEEL, MIN. F _y =33KSI	#10 TEK SCREW	3 THREADS MIN. PENETRATION	0.5			
	1	METAL, MIN. 6063-T5 ALLOY, MIN 1/8" THICK	#8 TEK SCREW	3 THREADS MIN. PENETRATION	0.5			
	1	CONCRETE : f' _c =3000PSI	3/16" ITW TAPCON	1	2.5			
	1	CMU : f' _c =2000PSI	3/16" ITW TAPCON	1	2.5			

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