

ATRIUM CORPORATION

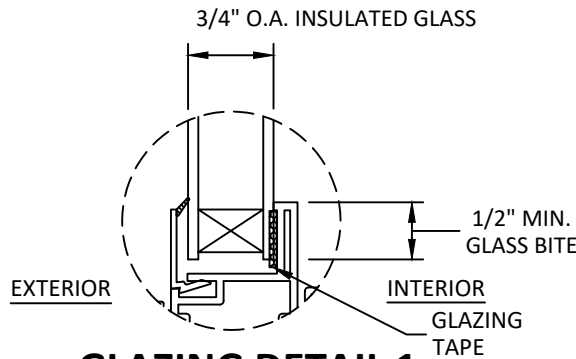
SERIES 8300/8301/121/131

VINYL HORIZONTAL SLIDING WINDOW

(NON-IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- AAMA/WDMA/CSA 101/I.S.2/A440-17
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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.
3. 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.
4. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 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.
5. 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.
6. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE
7. WINDOW FRAME MATERIAL: VINYL
8. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.



GLAZING DETAIL 1

GLAZING NOTES

1. GLASS TYPE SHALL COMPLY WITH ASTM E1300 REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC 24.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.

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MAX.O.A. FRAME DIMENSION	GLAZING	DESIGN PRESSURE (PSF)	
		POS (+)	NEG (-)
78" X 48"	G1	+40 PSF	-40 PSF
96" X 48"	G1	+30 PSF	-30 PSF

NOTE: WIDTH AND HEIGHT ARE INTERCHANGEABLE FOR SINGLE UNIT



ATRIUM WINDOWS AND DOORS
9001 AMBASSADOR ROW
DALLAS, TEXAS 75247
PH: (214)637-2696 FAX: (214)424-6734

TITLE: SERIES 8300/8301/121/131 VINYL HORIZONTAL SLIDING WINDOW

INSTALLATION & GENERAL NOTES

PREPARED BY: BUILDING DROPS, INC.

1900 NE Miami CT, Suite 2-15

Miami, FL 33132

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FAX: (954)744-4738

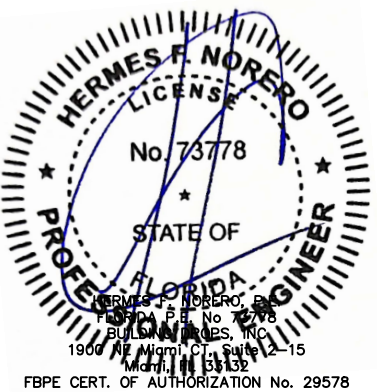
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A-FBC 2017 CODE CHANGE	AG	10.03.17
B-UPDATED TO CURRENT FBC	KB	06.03.025

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.07.14 11:03:00 -04'00'



FL #: FL11624

DATE: 10.03.17

DWG. BY: AG CHK. BY: HFN

SCALE: NTS

DWG. #: ATR107

SHEET: 1 OF 5

TITLE:

 SERIES 8300/8301/121/131

 VINYL HORIZONTAL SLIDING

 WINDOW

ELEVATION, ANCHOR LAYOUTS

 AND GLAZING DETAIL

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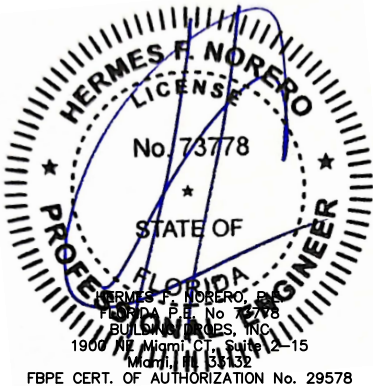
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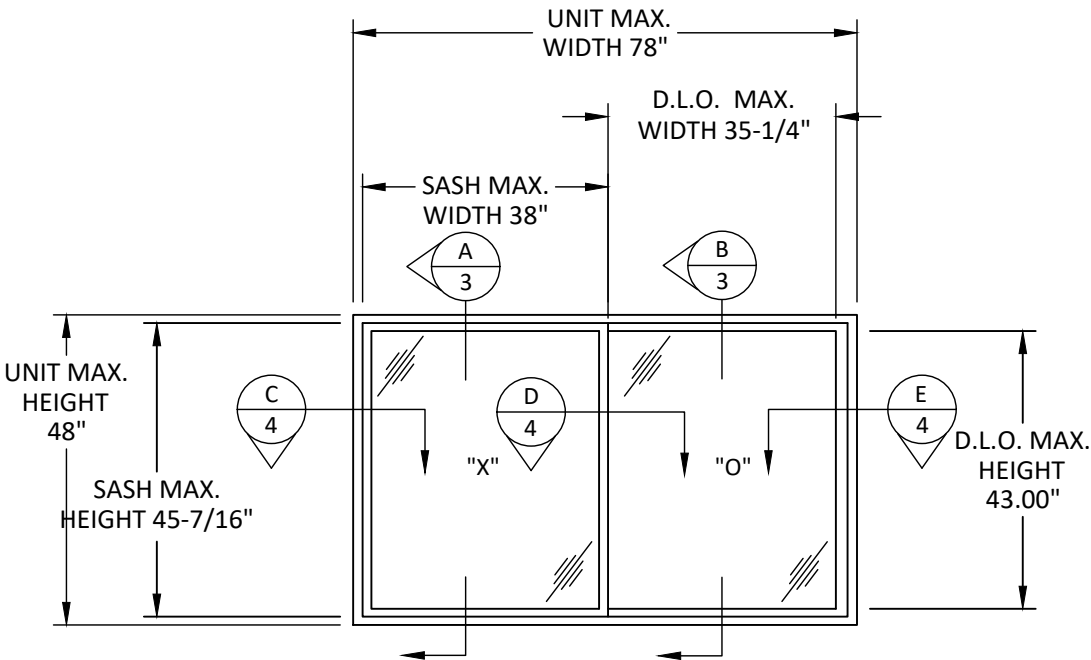
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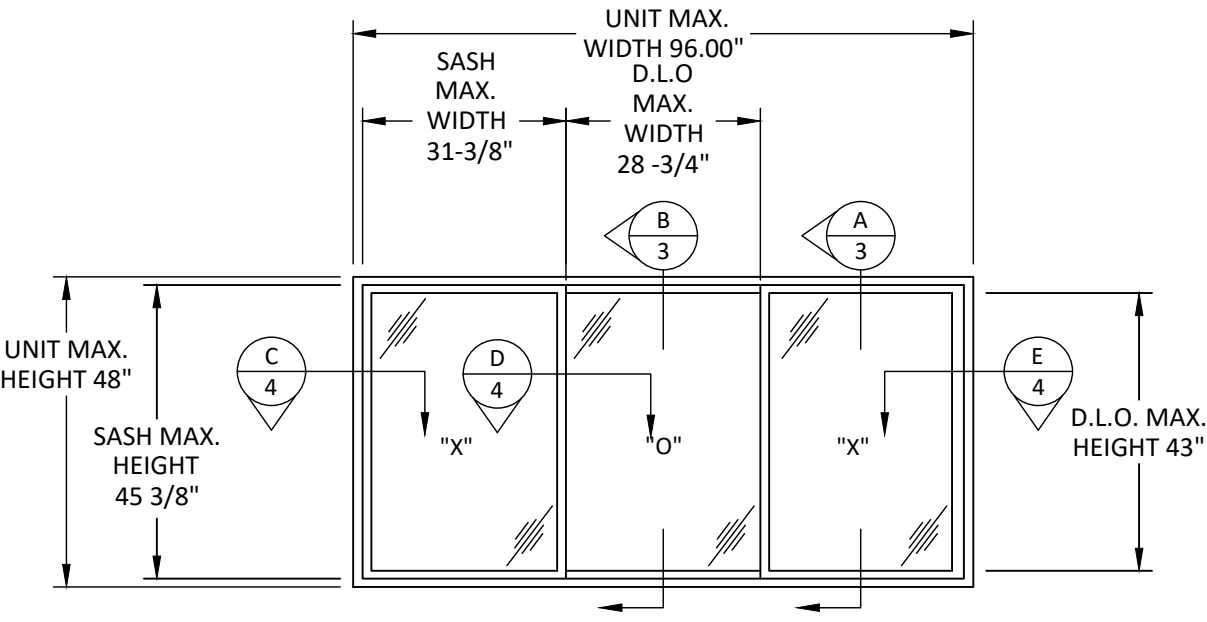
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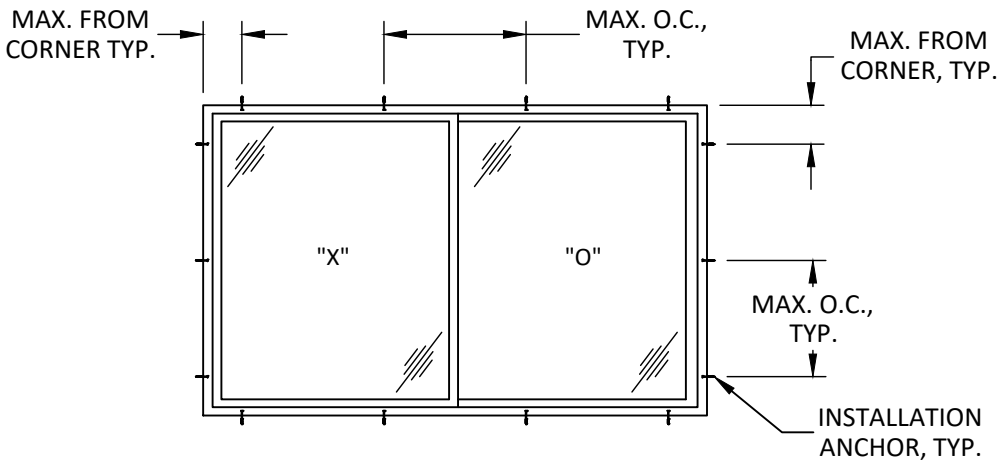
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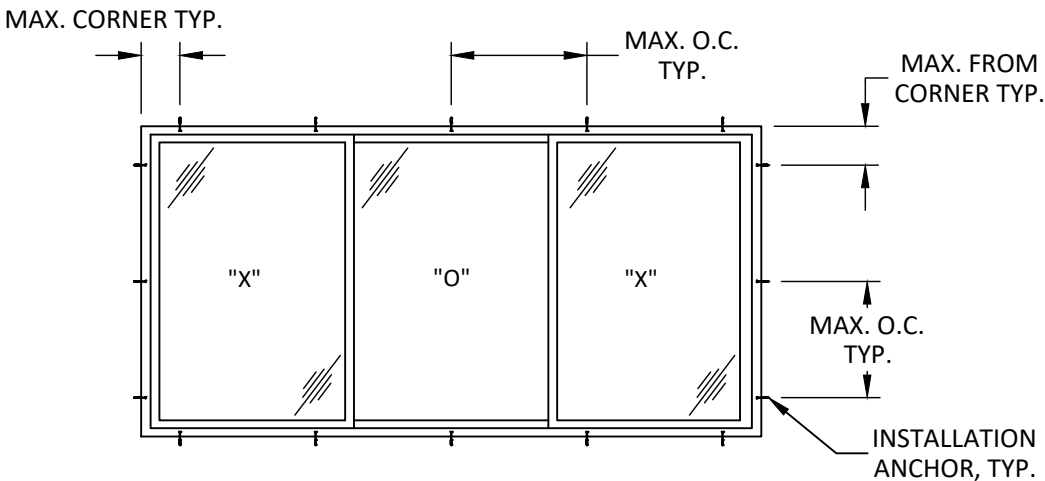
ELEVATION



ELEVATION



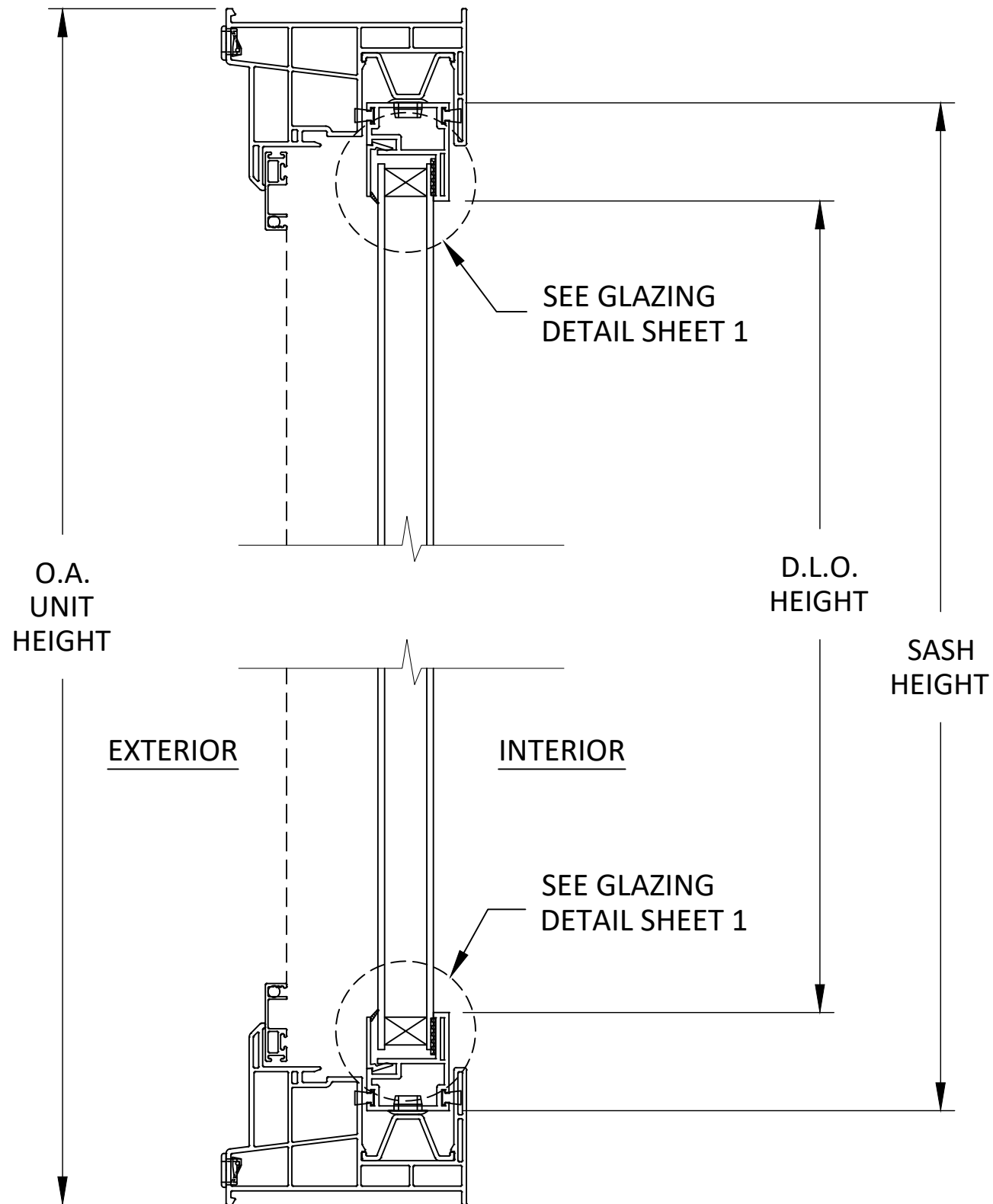
ANCHOR LAYOUT



ANCHOR LAYOUT

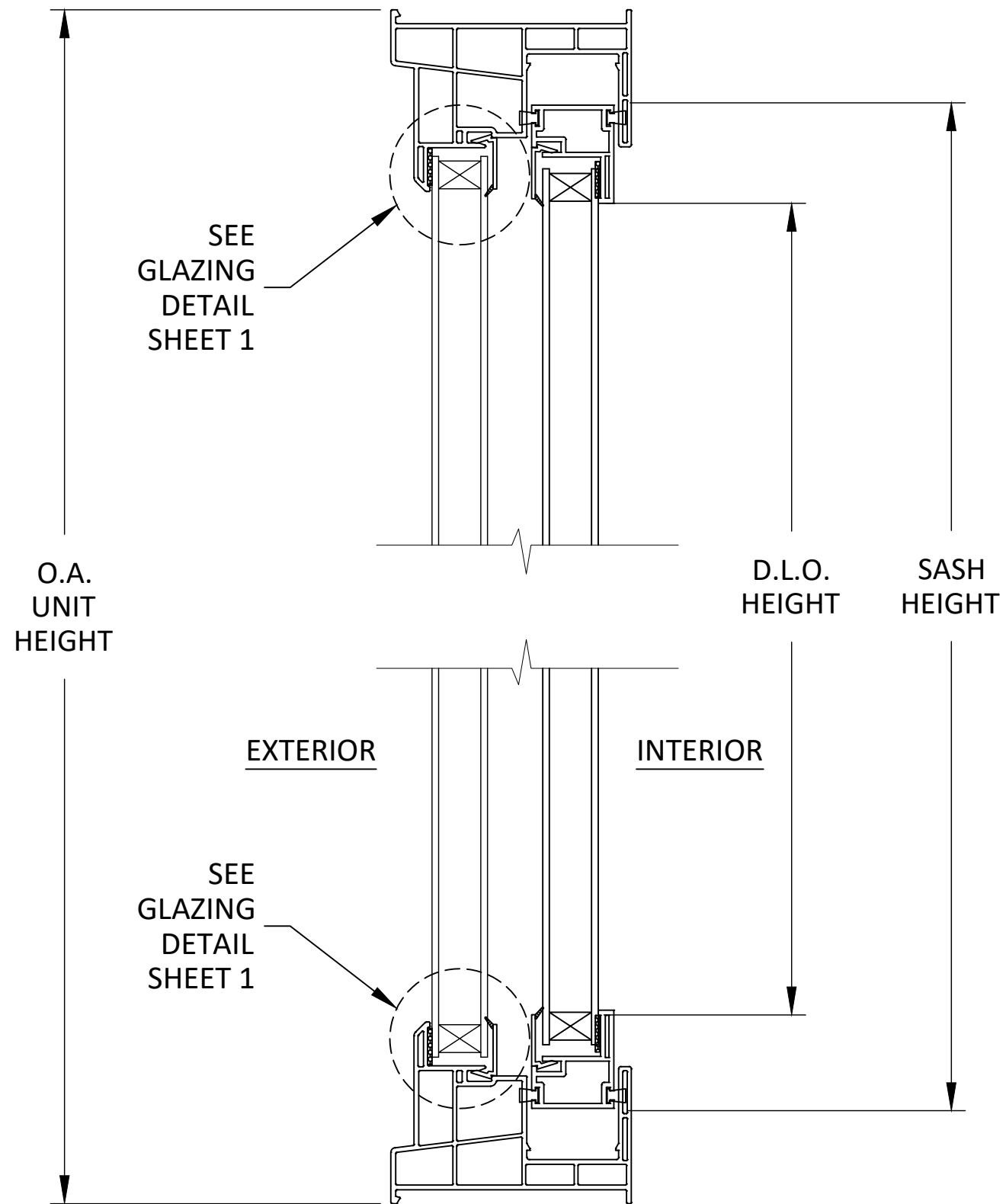
NOTE :

FOR MORE ANCHOR INFORMATION (INSTALLATION TYPE, SPACING, QUANTITY, TYPE, QUALIFIED SUBSTRATES) SEE SHEET 5



A
3

VERTICAL SECTION



B
3

VERTICAL SECTION



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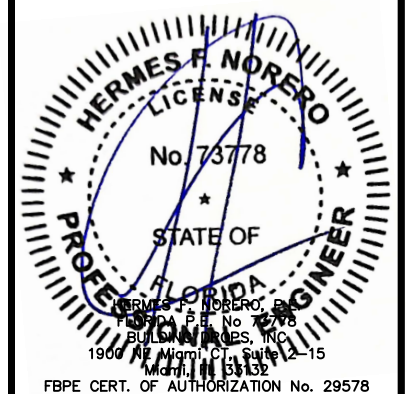
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SHEET:	3



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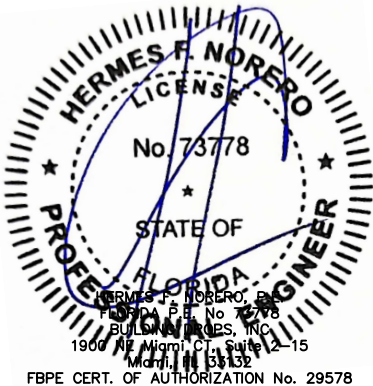
VERTICAL, HORIZONTAL SECTIONS AND
GLAZING DETAILS

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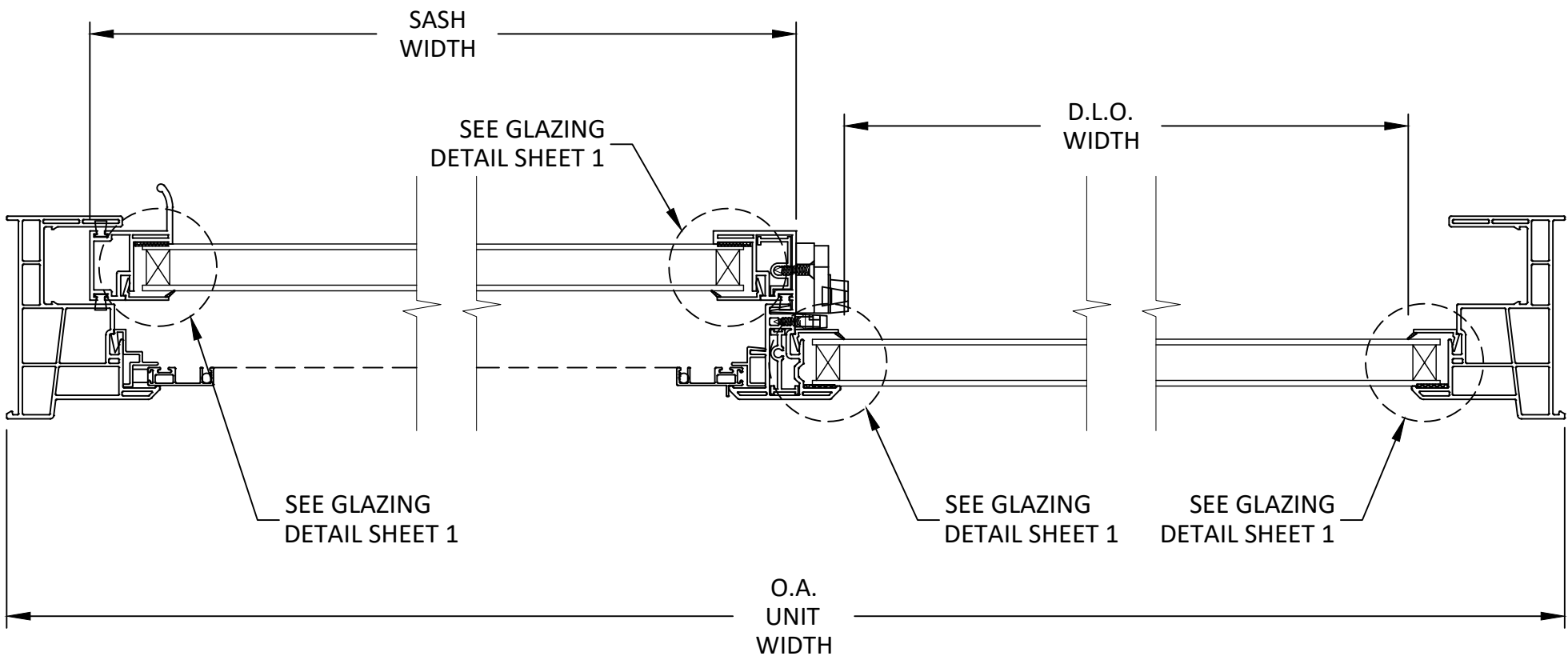
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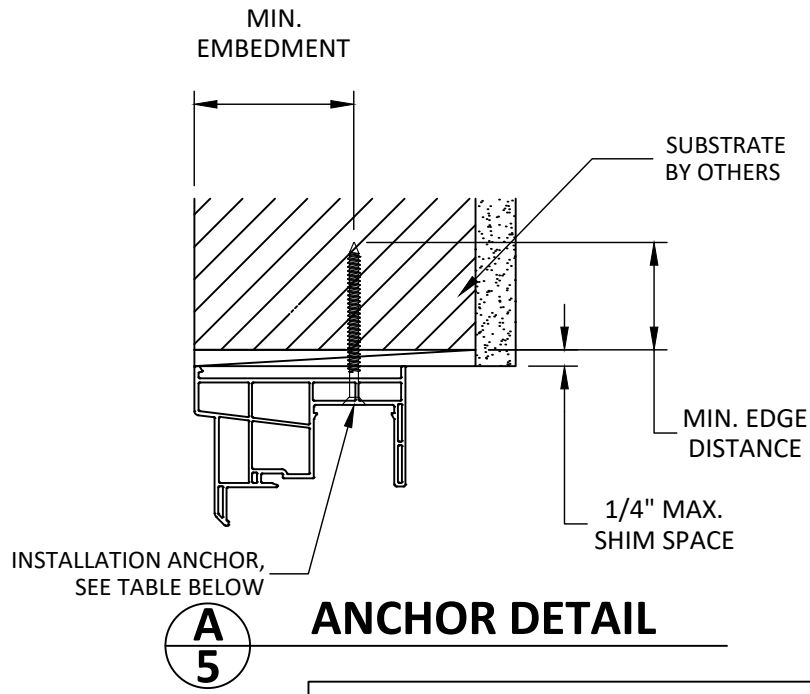
HORIZONTAL SECTION

D
4

HORIZONTAL SECTION

E
4

HORIZONTAL SECTION



ANCHOR DETAIL

SILL & JAMB HAVE A SIMILAR DETAIL.

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±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.
4. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
5. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
6. 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.
7. 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.
8. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS (20 GAUGE).

E. 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.)
THROUGH FRAME	1	WOOD : MIN. SG=0.55	#8 WOOD SCREW	1 1/2	3/4	20	18	6
	1	METAL : 18 GAUGE STEEL, MIN. F _y =35KSI	#10 SELF DRILLING SMS	3 THREADS MIN. PENETRATION	1/2			
	1	CONCRETE : f' _c =3000PSI	1/4" ITW TAPCON	1	2-1/2			
	1	CMU : f' _c =2000PSI	1/4" ITW TAPCON	1	2 1/2			



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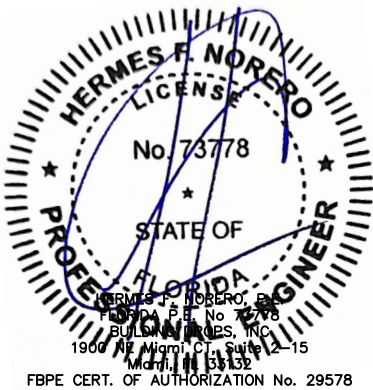
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