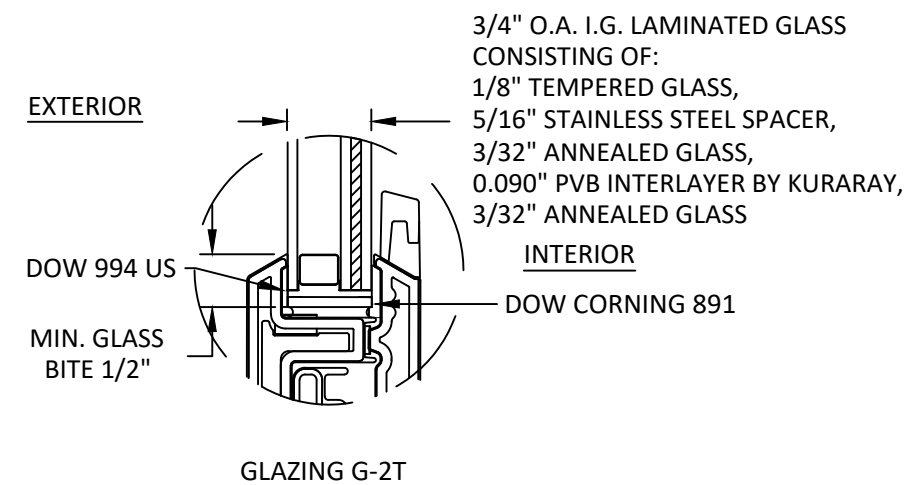


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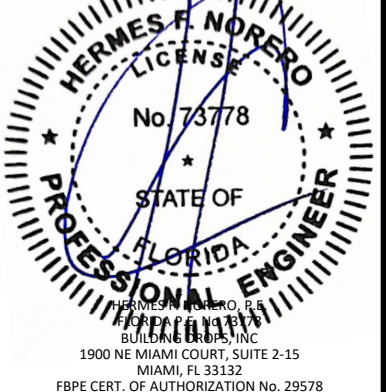
- | TABLE OF CONTENTS | |
|-------------------|---------------------------------------|
| SHEET | SHEET DESCRIPTION |
| 1 | GENERAL NOTES AND GLAZING DETAILS |
| 2 | ELEVATION AND ANCHOR LAYOUT |
| 3 | VERTICAL SECTIONS |
| 4 | HORIZONTAL SECTIONS |
| 5 | INSTALLATION NOTES AND ANCHOR DETAILS |



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Reason: I am approving this document
Date: 2025.10.10 15:38:38 -0400'



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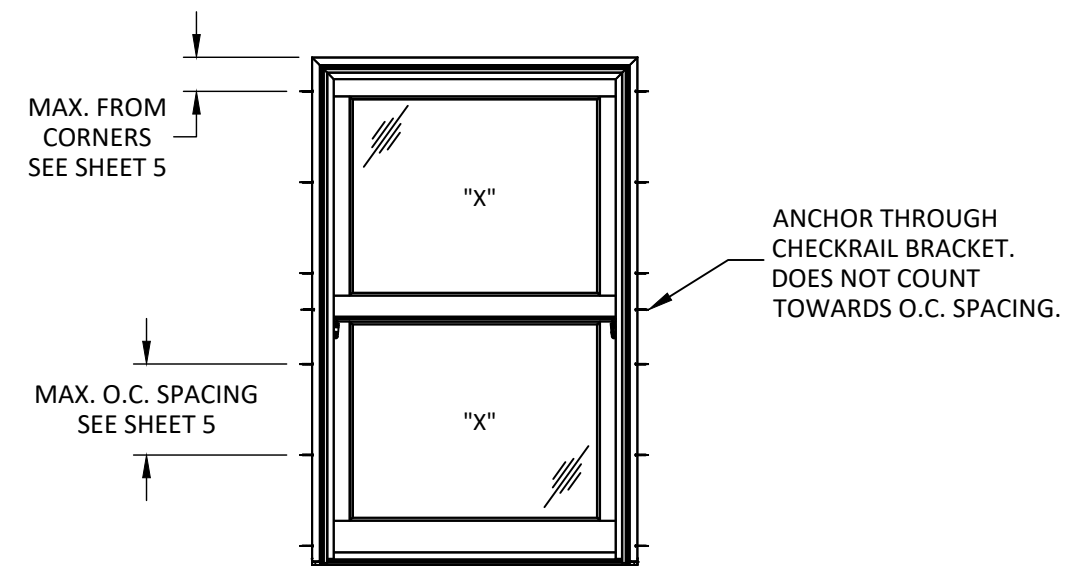
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DWG. #: **AWD291**

SHEET:

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TYPICAL ANCHOR LAYOUT

DESIGN PRESSURE RATING					
GLAZING TYPE	FRAME SIZE	SASH SIZE	D.L.O.	DESIGN PRESSURE	MISSILE RATING
G-1	48" X 58"	45.5" X 29"	42" X 24.5"	+50/-70 PSF	LARGE & SMALL IMPACT
G-1	32" X 76"	29.5" X 38"	26" X 33.5"		
G-2	52" X 72"	49.5" X 36"	46" X 31.5"		
G-2	40" X 76"	37.5" X 38"	34" X 33.5"		
G-2T	47.8125" X 72"	45.25" X 36"	41.8125" X 31.5"		

NOTES:
WINDOW WATER PENETRATION RESISTANCE TEST PRESSURE WAS CONDUCTED AT 7.54 PSF.



RENEWAL
by **ANDERSEN**
FULL SERVICE WINDOW & DOOR REPLACEMENT

100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: <i>RENEWAL BY ANDERSEN DOUBLE HUNG WINDOW (HVHZ)(IMPACT)</i> ELEVATION & ANCHOR LAYOUT	PREPARED BY: <i>BUILDING DROPS, INC.</i> 1900 NE MIAMI COURT, SUITE 2-15 MIAMI, FL 33132 PH: (954) 399-8478 FAX: (954) 744-4738 WEB: www.buildingdrops.com  BUILDING DROPS
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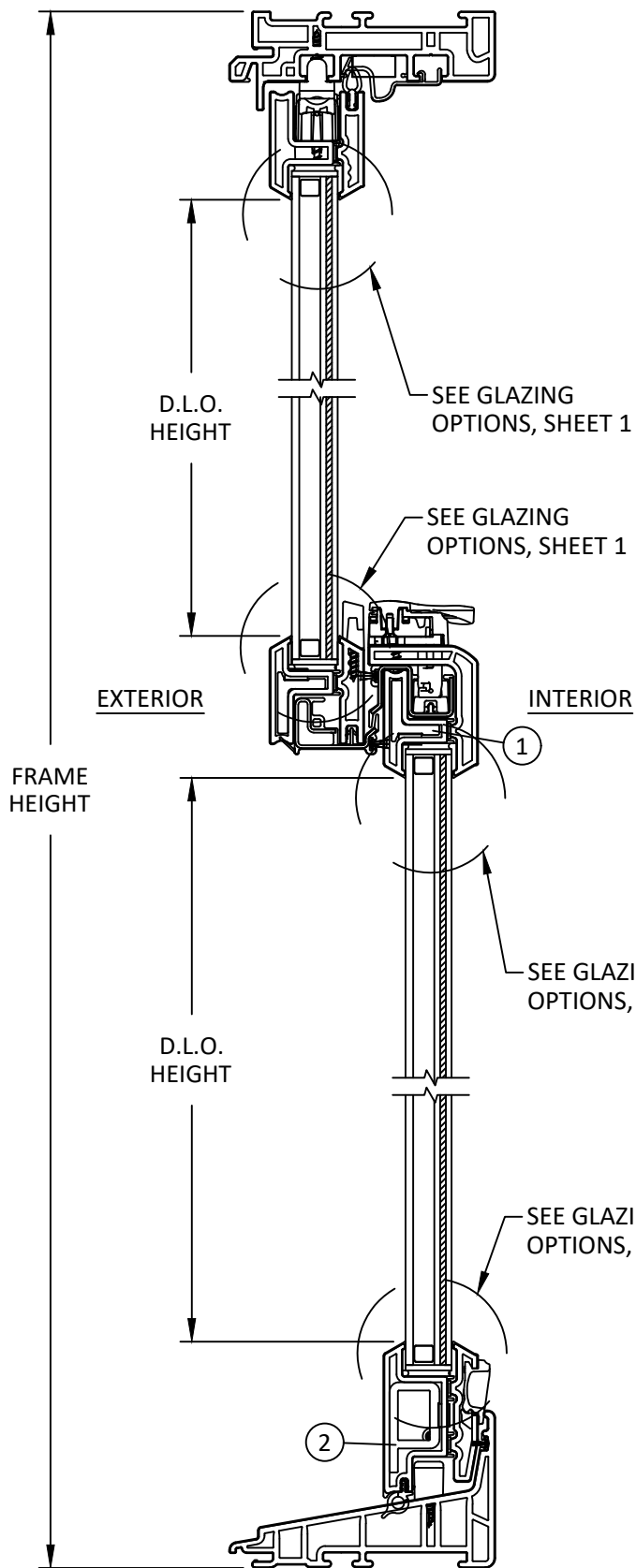


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FLORIDA PROFESSIONAL ENGINEER
BUILDING DROPS, INC
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

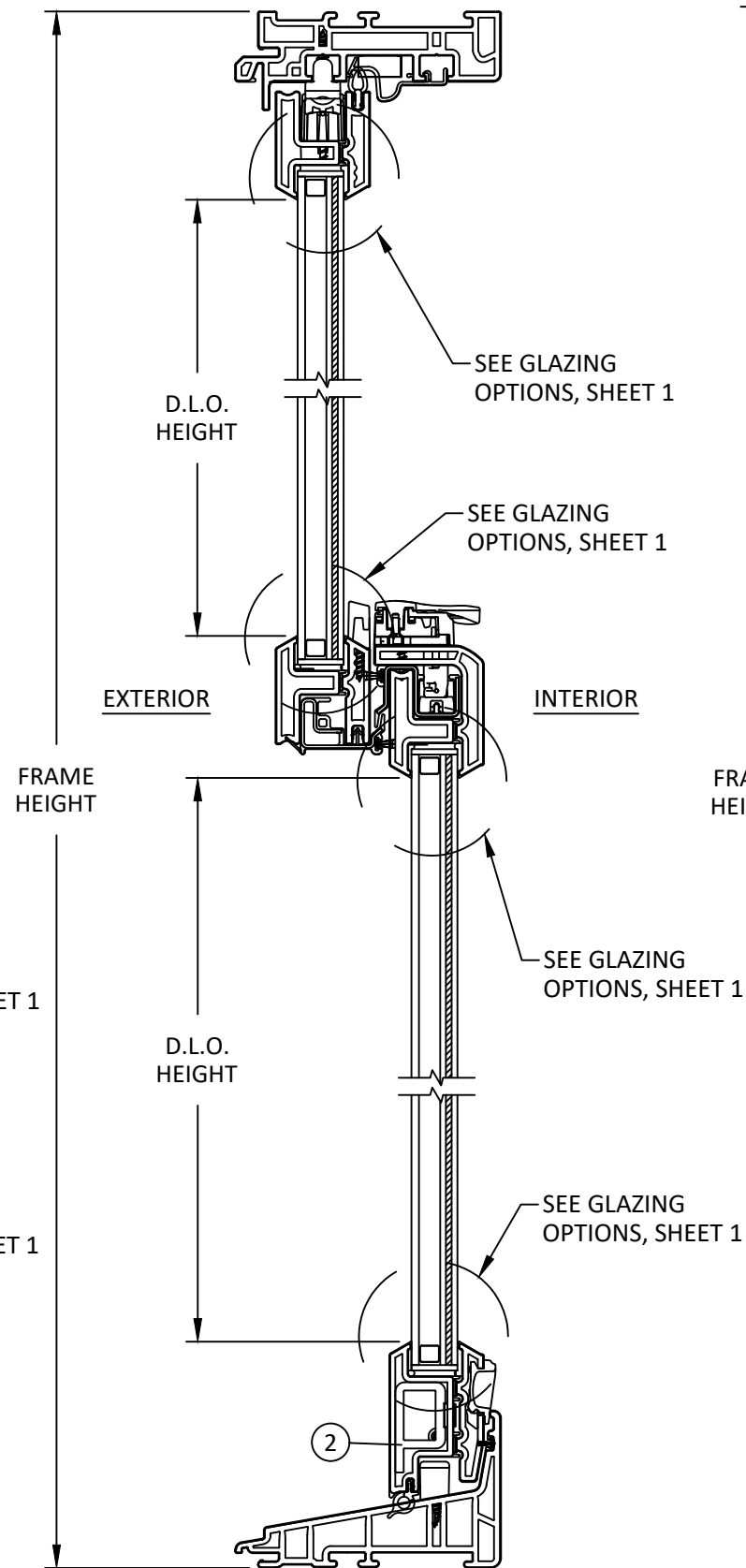
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OF 5

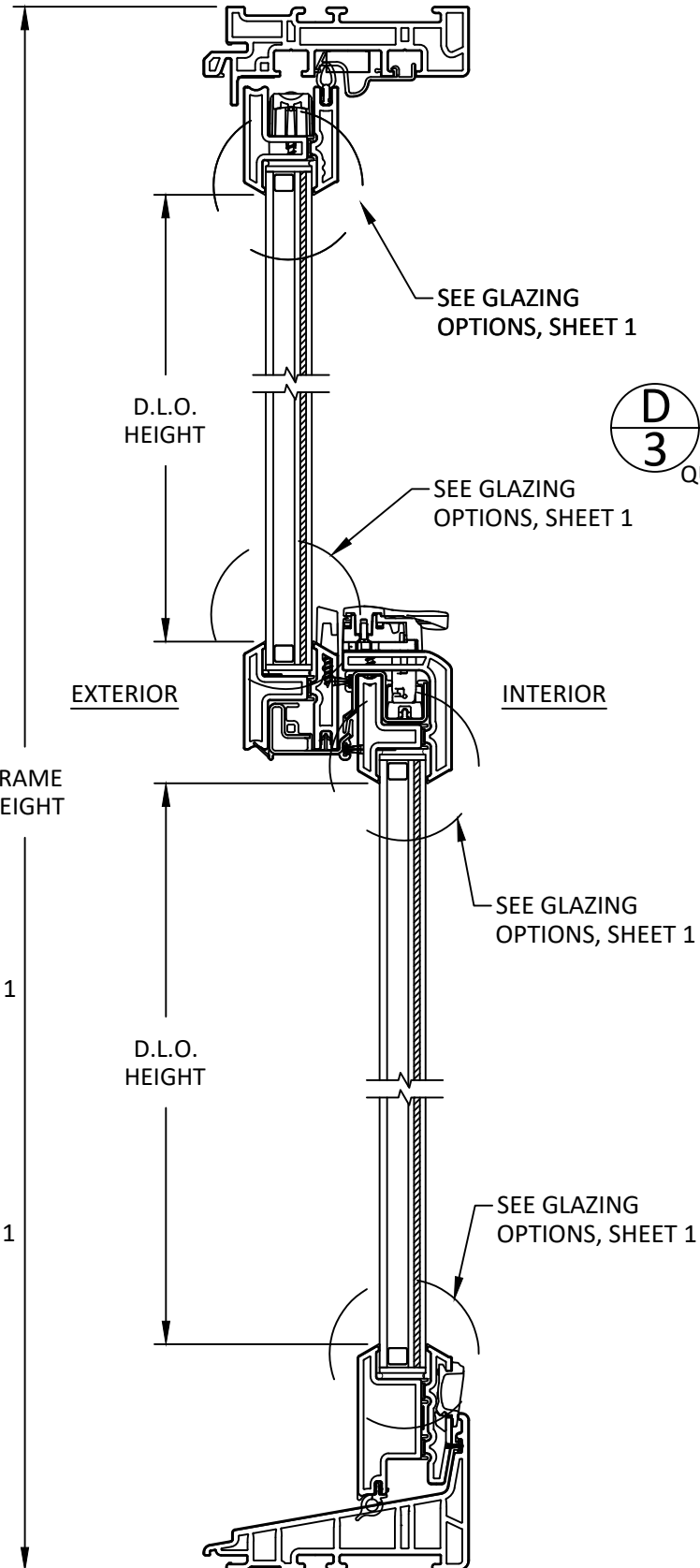
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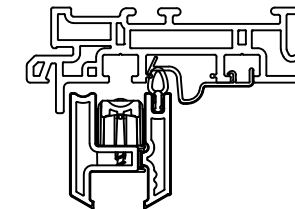
A
3 VERTICAL SECTION
FULLY REINFORCED
40.0625" - 52" WIDE



B
3 VERTICAL SECTION
LESS REINFORCED
32.0625" - 40" WIDE



C
3 VERTICAL SECTION
NON REINFORCED
16" - 32" WIDE



D
3 VERTICAL SECTION
EJ FRAME
QUALIFIED AS OPTION OTHER THAN BASE FRAME

- ① SASH TOP RAIL REINFORCEMENT
- ② SASH BOTTOM RAIL REINFORCEMENT



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VERTICAL SECTIONS

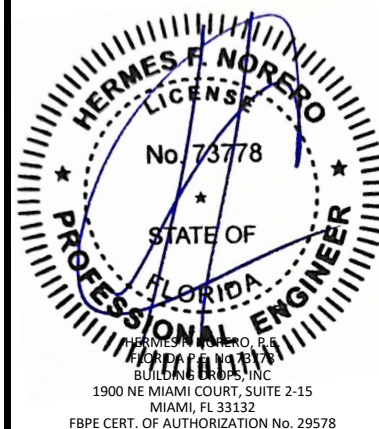
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MIAMI, FL 33132
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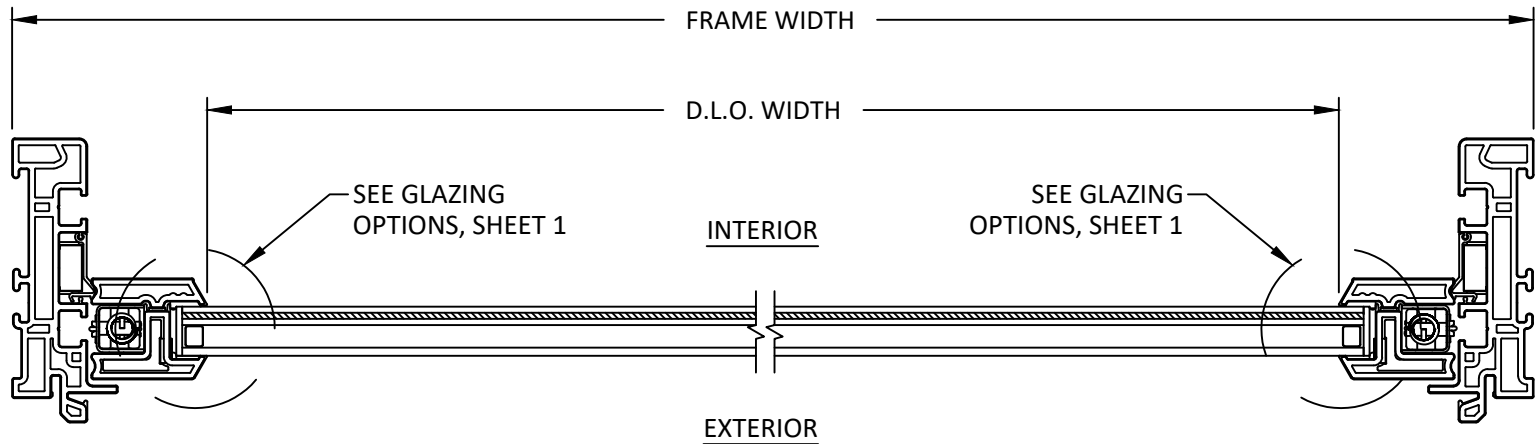
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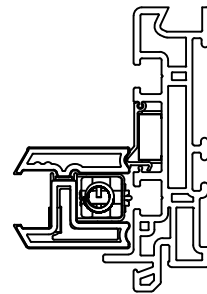
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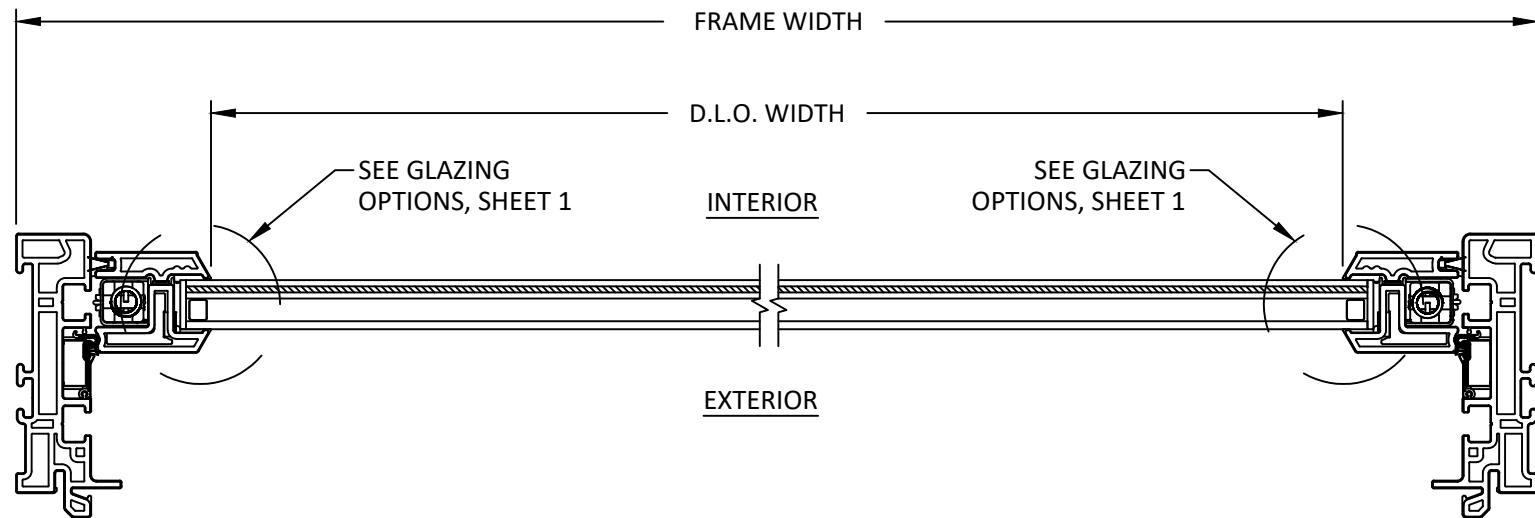
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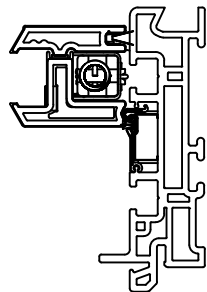
A
4 HORIZONTAL SECTION
UPPER SASH



B
4 HORIZONTAL SECTION
UPPER SASH - EJ FRAME
QUALIFIED AS OPTION OTHER THAN BASE FRAME



C
4 HORIZONTAL SECTION
LOWER SASH



D
4 HORIZONTAL SECTION
LOWER SASH - EJ FRAME
QUALIFIED AS OPTION OTHER THAN BASE FRAME



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HORIZONTAL SECTIONS

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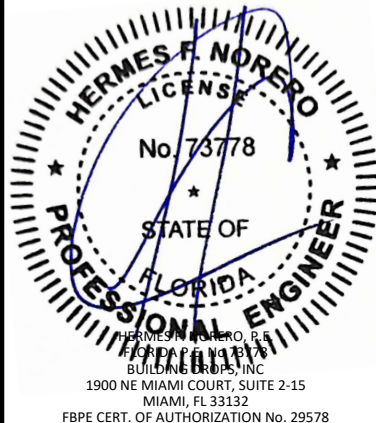
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WEB: www.buildingdrops.com



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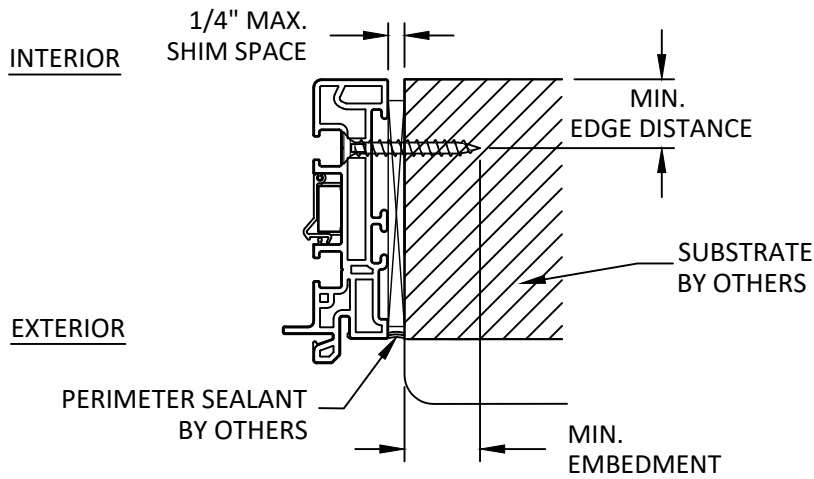
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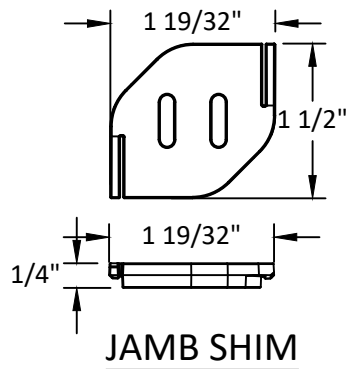
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A
5 **HORIZONTAL SECTION**
THROUGH FRAME (JAMB)



ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. SG = 0.55	#10 WOOD SCREW FLAT HEAD	1.50"	0.75"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	#10 SELF DRILLING SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
	CONCRETE: MIN. f'c=3000PSI	3/16" ITW TAPCON FLATHEAD	1.25"	2.50"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD	1.00"	2.50"

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/4$ INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- 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.

CORNER SPACING	
DISTANCE FROM HEAD	DISTANCE FROM SILL
5"	2.9"

ANCHOR SPACING					
HEIGHT (IN)	WIDTH (IN)				
	24	32	40	48	52
27	19.8	19.8	9.9	9.9	6.6
36	24.0	14.4	9.6	9.6	7.2
48	20.4	13.6	10.2	8.2	8.2
60	17.6	13.2	10.6	8.8	8.8
72	21.6	13.0	10.8	9.3	8.1
76	17.2	13.8	11.5	-	-

*NOTE: EACH UNIT WILL HAVE INSTALLATION ANCHORS THROUGH THE CHECKRAIL BRACKET. THESE DO NOT COUNT TOWARDS THE O.C. SPACING ABOVE.



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