

ELITE WINDOWS & DOORS

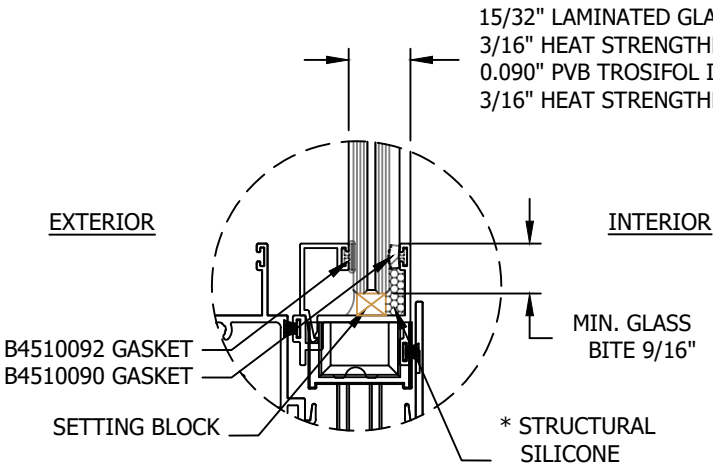
R-220 SERIES HORIZONTAL SLIDING WINDOW (HVHZ)(IMPACT)

GENERAL NOTES:

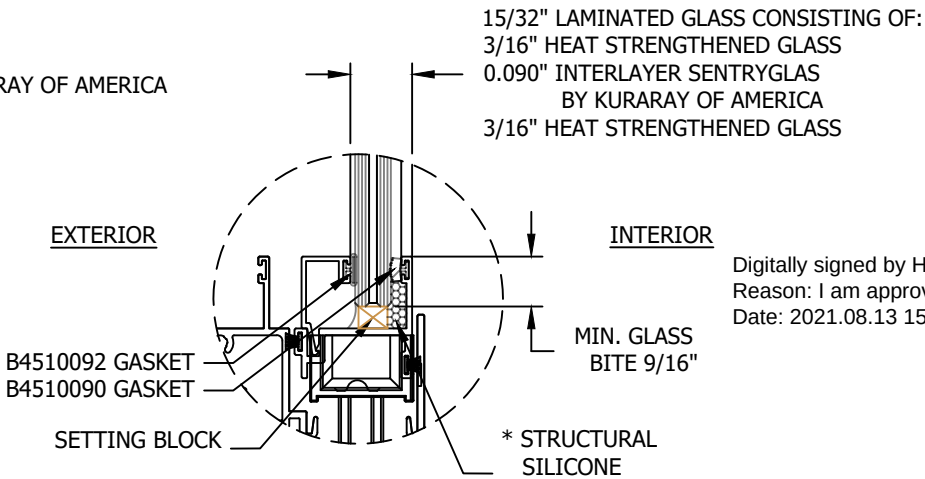
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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.
- 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 NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: ALUMINUM 6063-T6
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

MAX WINDOW FRAME SIZE		CONFIG.	DESIGN PRESSURE	REINFORCEMENT	MISSILE IMPACT RATING
WIDTH	HEIGHT				
73 1/8"	70"	XO OX	+100 / -100 PSF	LIGHT	LARGE & SMALL MISSILE IMPACT
73 1/8"	90"			HEAVY	
107 15/16"	70"	XOX		LIGHT	
107 15/16"	90"			HEAVY	

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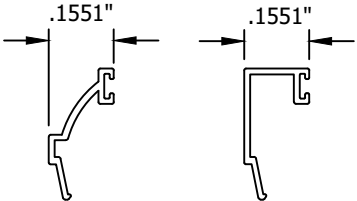


GLAZING DETAIL 1



GLAZING DETAIL 2

APPROVED GLAZING BEAD OPTIONS:



*APPROVED
STRUCTURAL
SILICONE:

DOWSIL - 993
DOWSIL - 895

GLAZING NOTES:

- GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- TWO APPROVED SETTING BLOCKS SHALL BE USED FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DP TABLE ON SHEET 1, AND ELEVATIONS ON SHEET 2.



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TITLE: R-220 SERIES HORIZONTAL
SLIDING WINDOW
(HVHZ) (IMPACT)
GENERAL NOTES & GLAZING DETAILS

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REMARKS BY DATE

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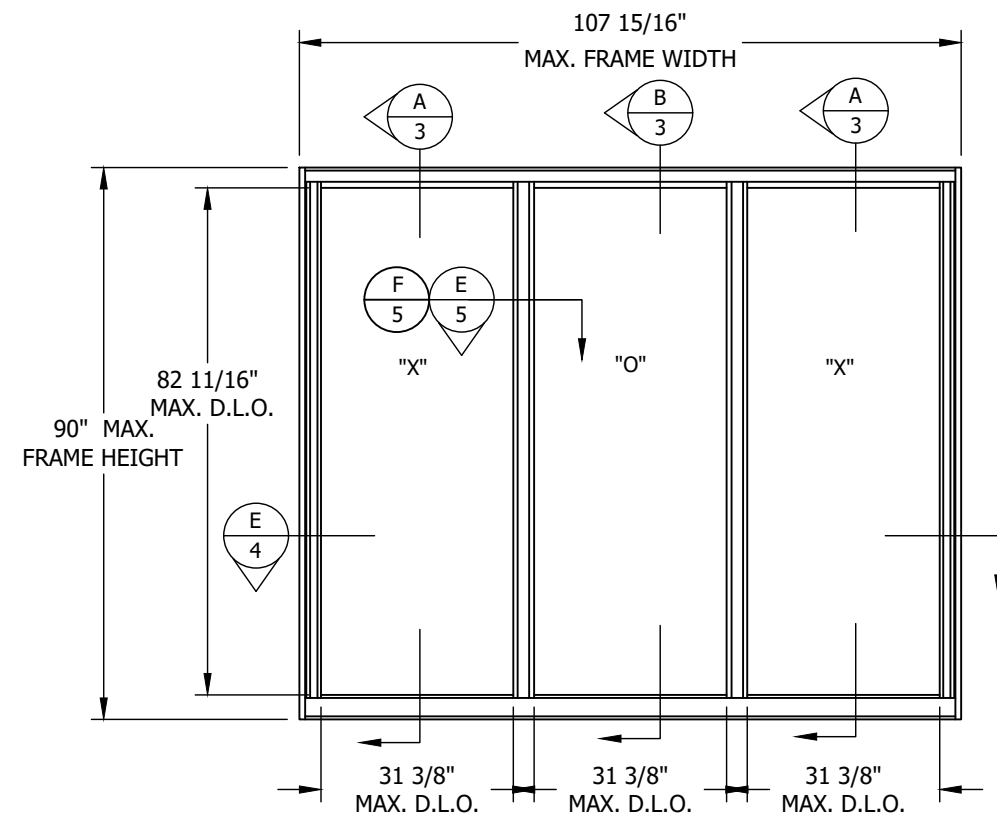
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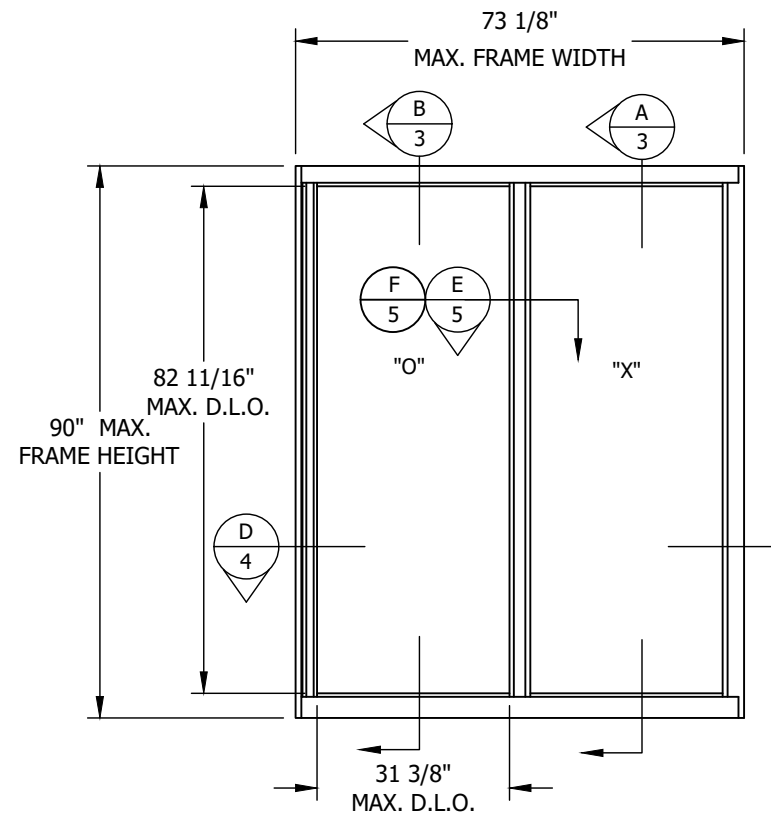
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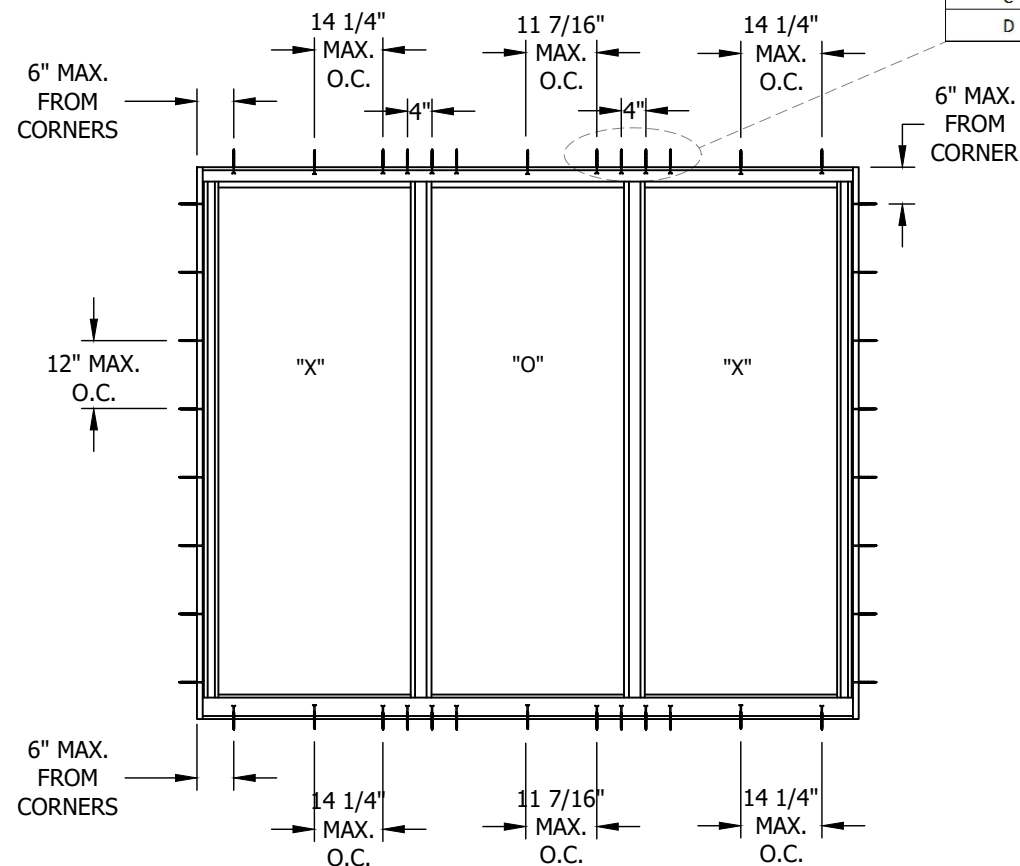


ELEVATION
HORIZONTAL SLIDING WINDOW (XOX)

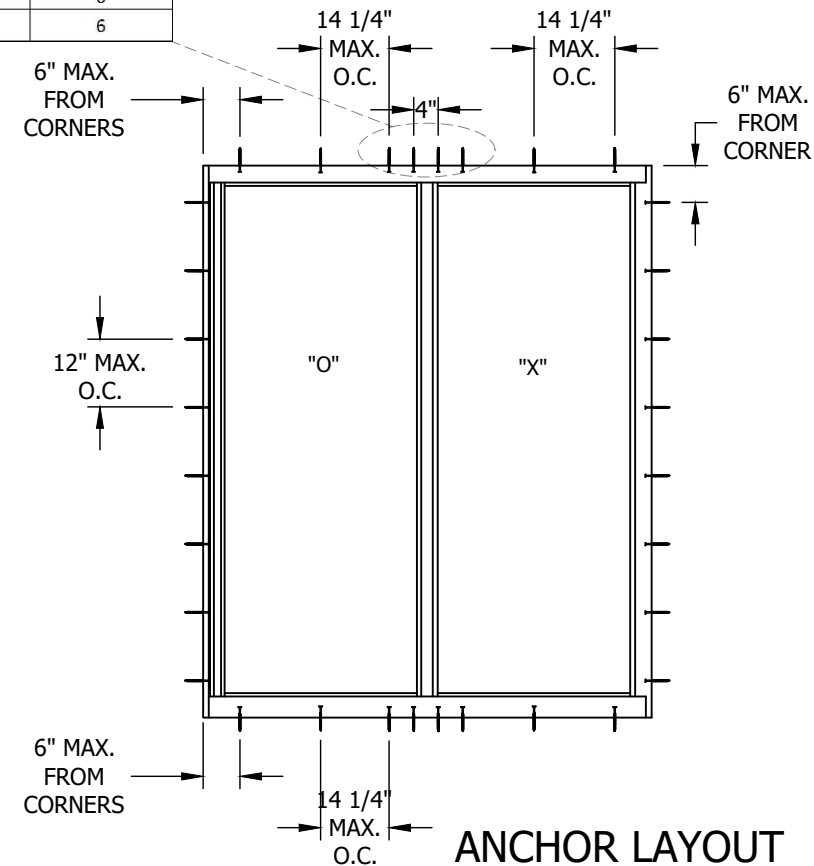


ELEVATION
HORIZONTAL SLIDING WINDOW
(XO) SIMILAR

SUBSTRATE TYPE	NO. OF CLUSTERED ANCHORS AT MTG. STILES		
	1/4" SHIM SPACE	3/8" SHIM SPACE	1/2" SHIM SPACE
A	5	6	6
B	4	4	4
C	4	5	6
D	4	5	6



ANCHOR LAYOUT
THROUGH FRAME - HORIZONTAL SLIDING WINDOW (XOX)



ANCHOR LAYOUT
THROUGH FRAME - HORIZONTAL SLIDING WINDOW
(XO) SIMILAR



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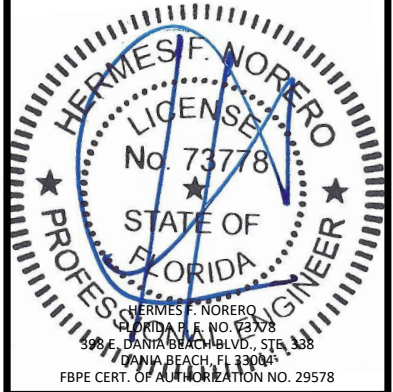
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ELEVATIONS AND ANCHOR LAYOUTS

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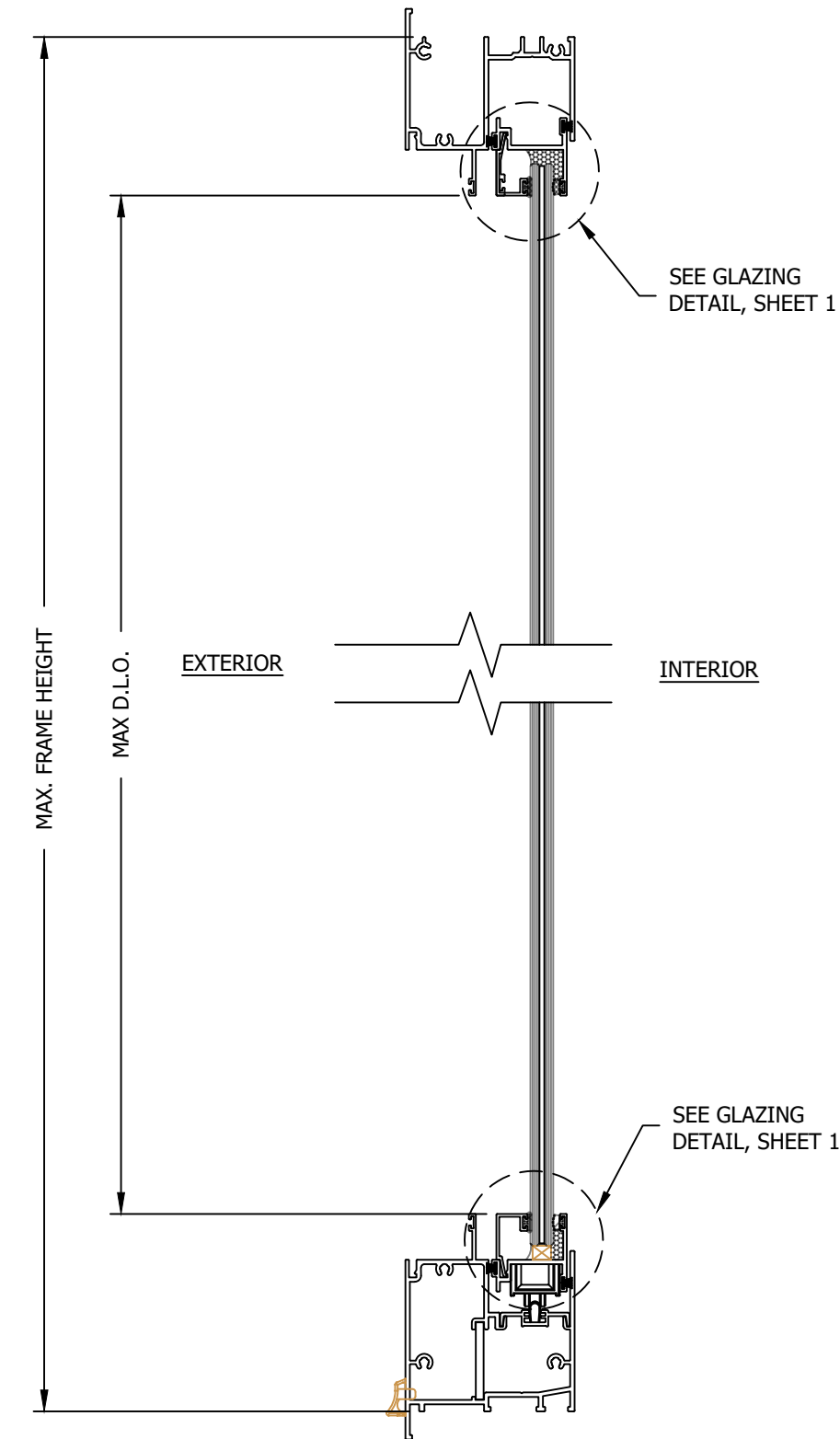
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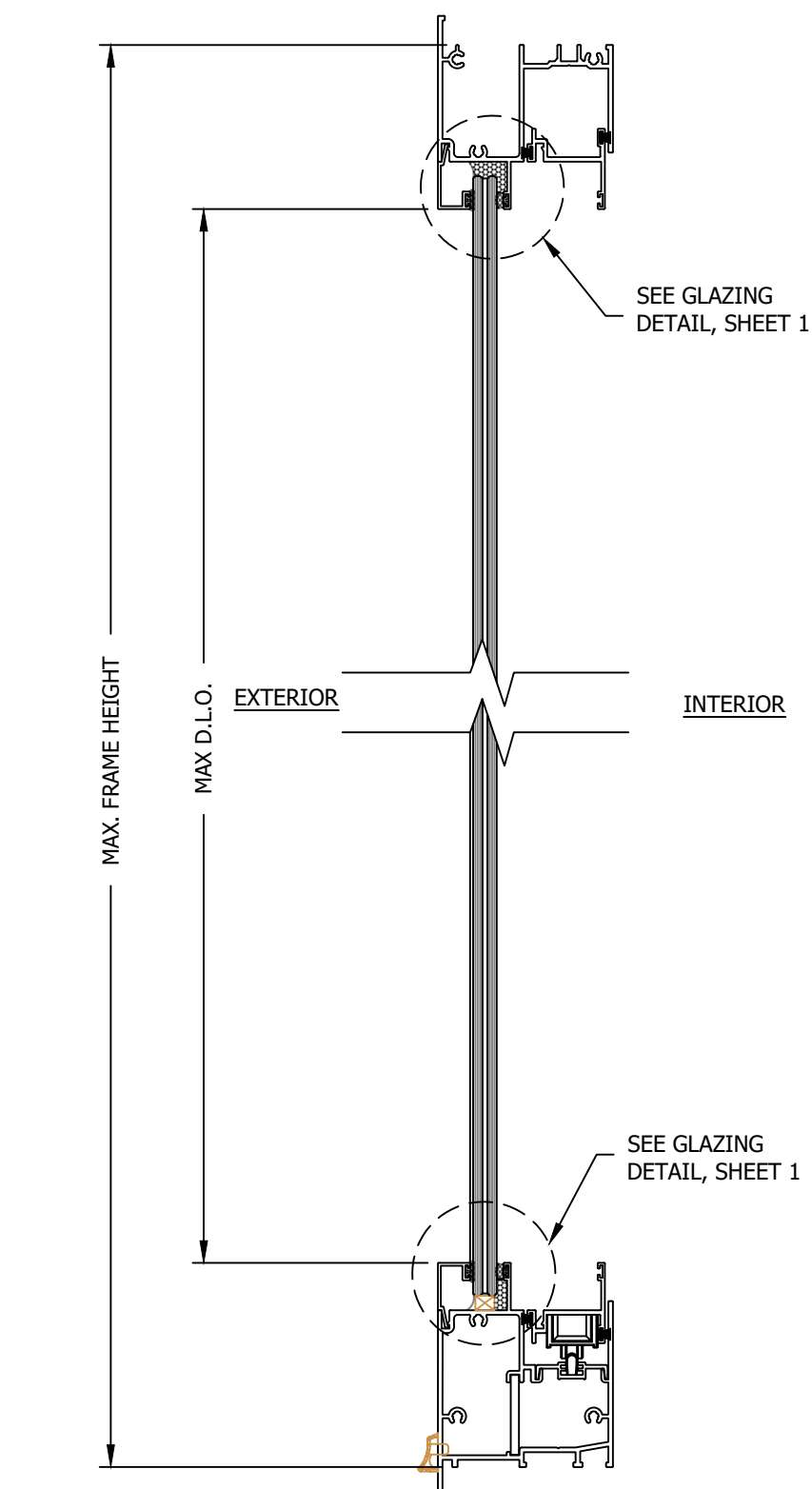
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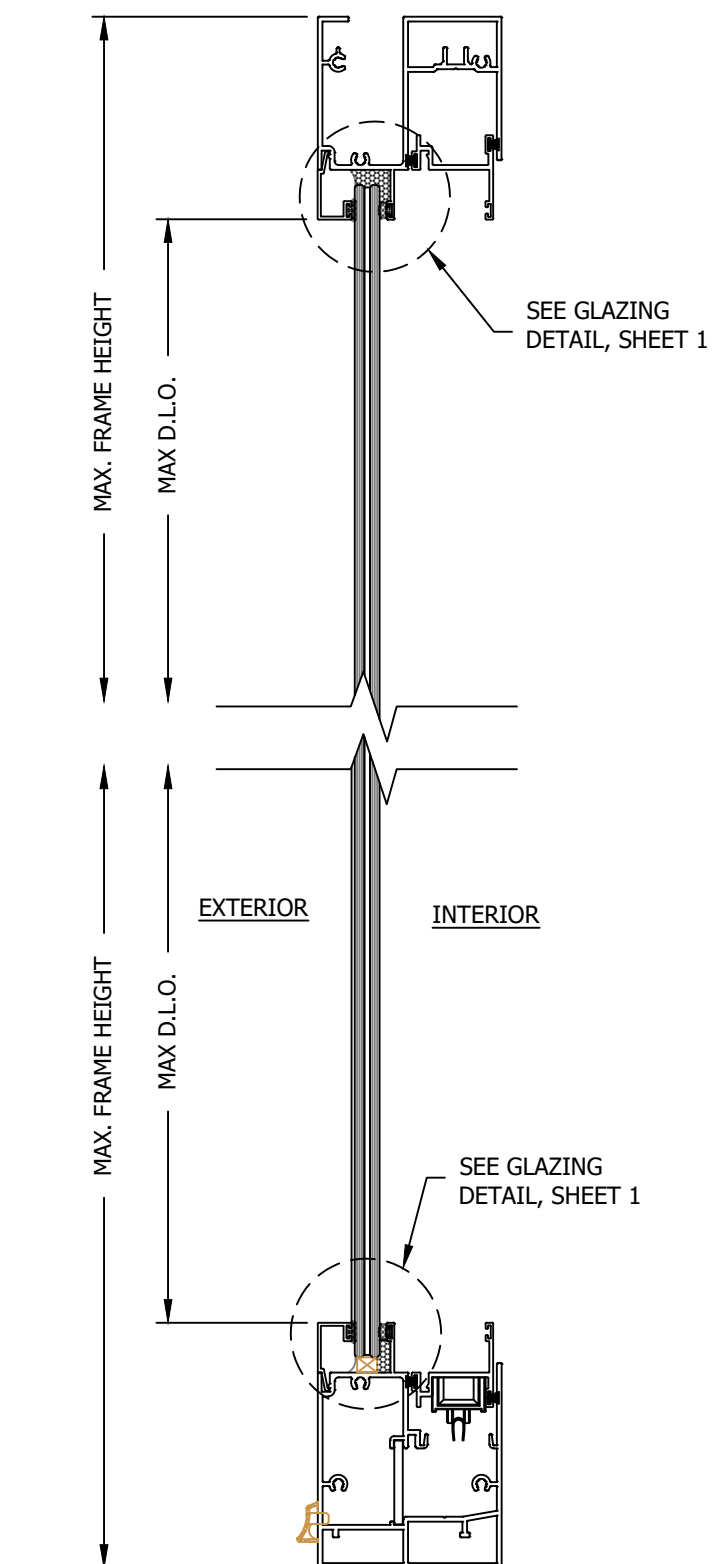
2



A
3 VERTICAL SECTION
VENT DETAIL



B
3 VERTICAL SECTION
FIXED LITE DETAIL



C
3 VERTICAL SECTION
FIXED LITE DETAIL
ALTERNATE WINDOW FRAME



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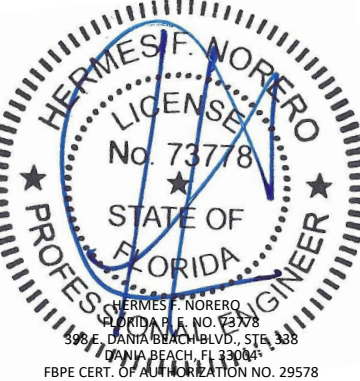
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VERTICAL SECTIONS

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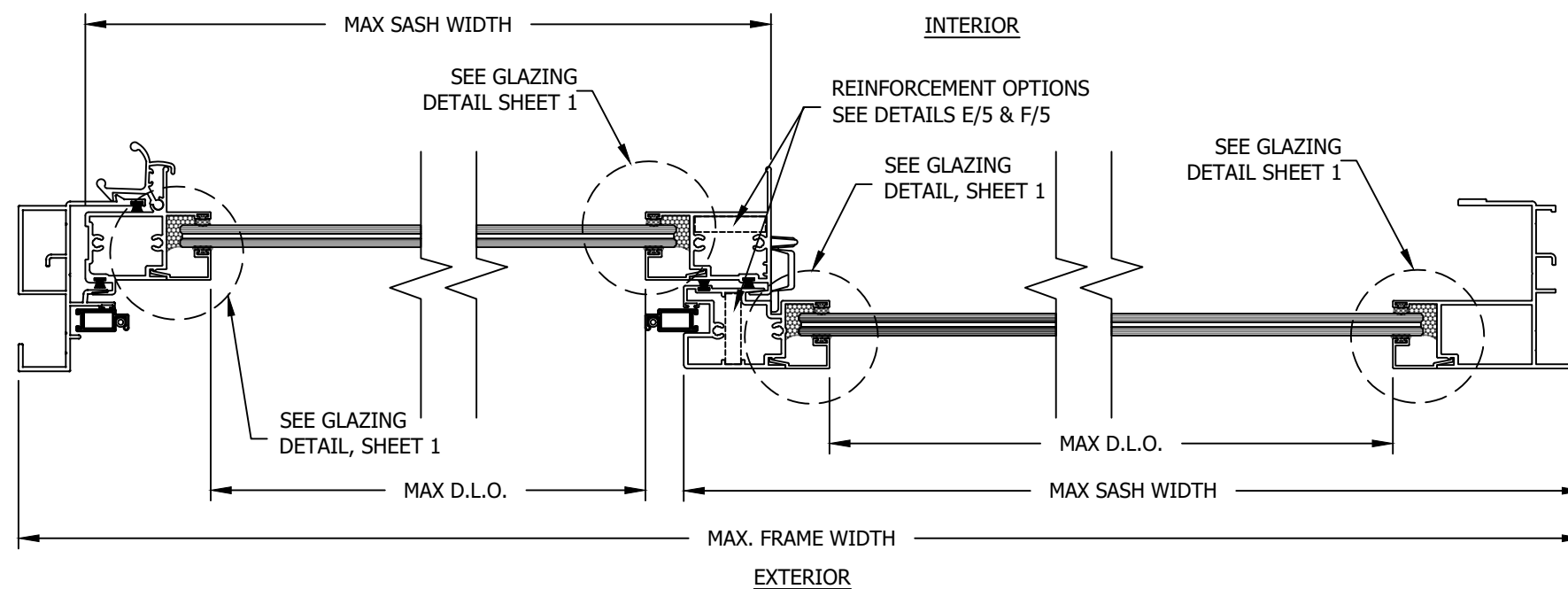
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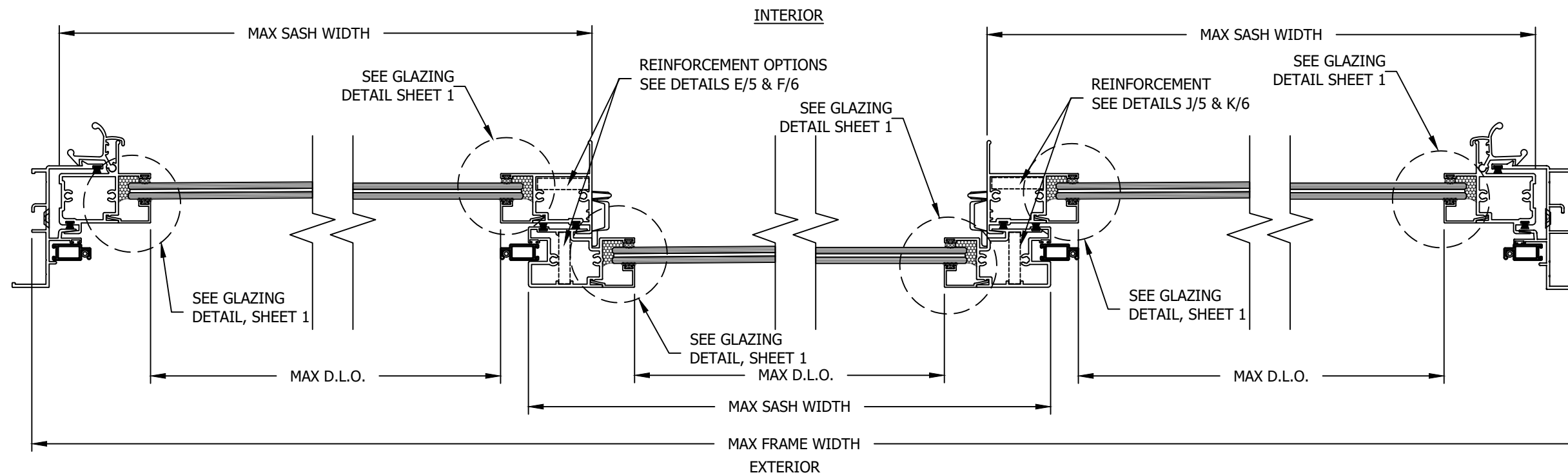
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D
4

HORIZONTAL SECTION

XO HORIZONTAL SLIDING WINDOW
ALTERNATE WINDOW FRAME
SHOWN ON THE LEFT



E
4

HORIZONTAL SECTION

XOX HORIZONTAL SLIDING WINDOW
ALTERNATE WINDOW FRAME
SHOWN ON THE RIGHT



Elite Windows & Doors

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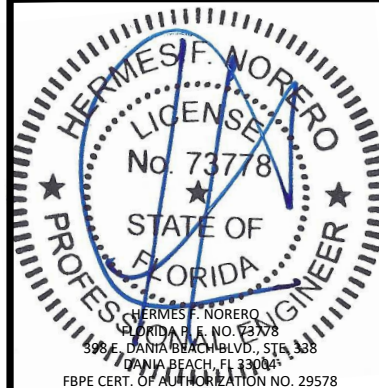
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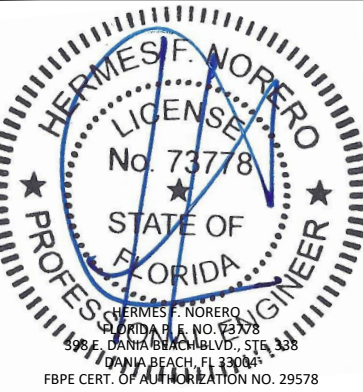
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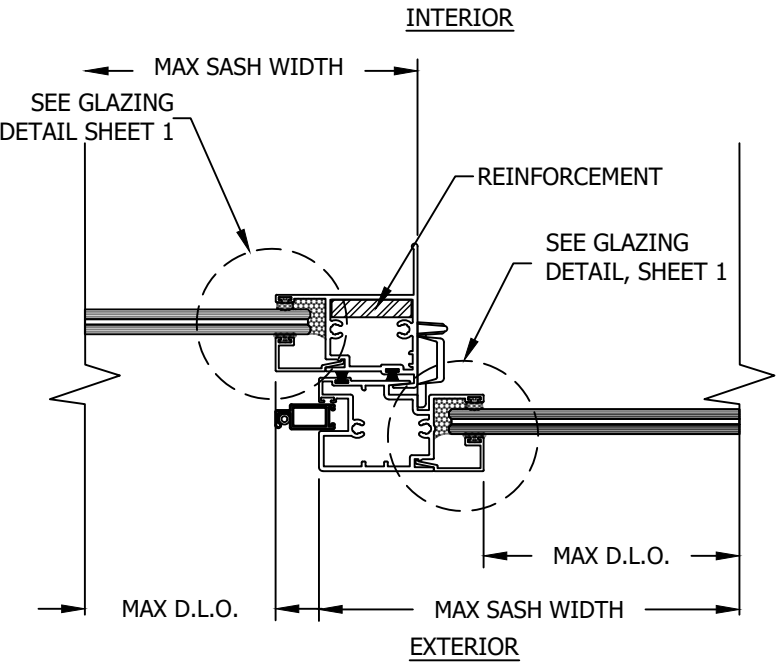
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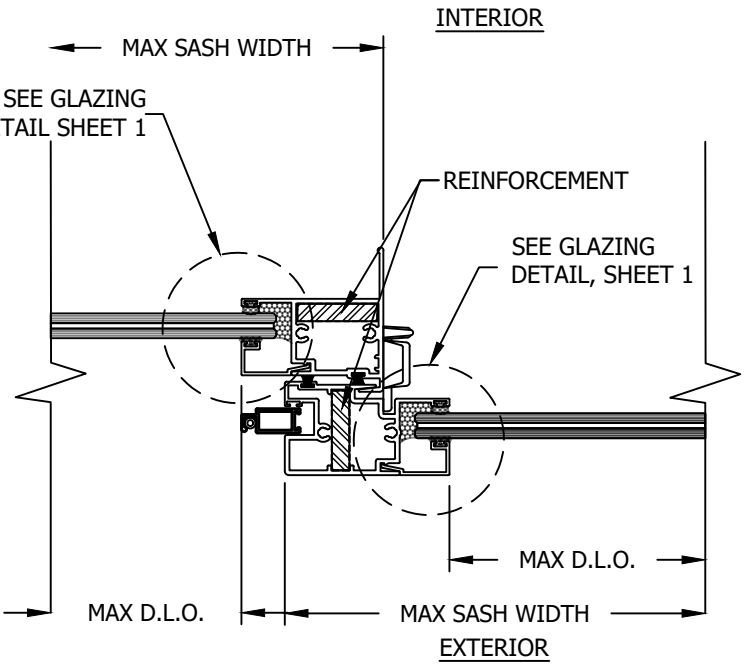
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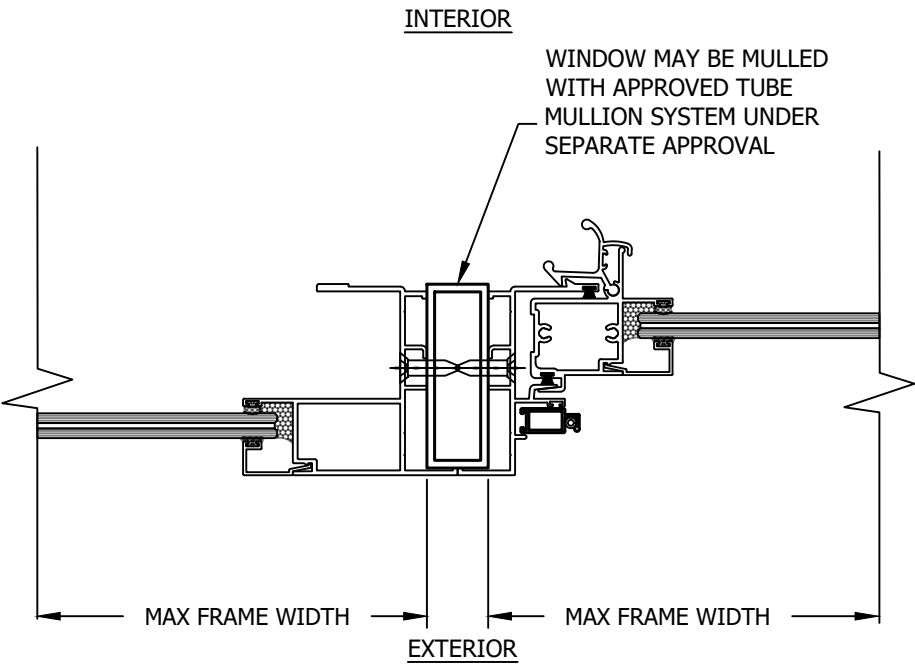
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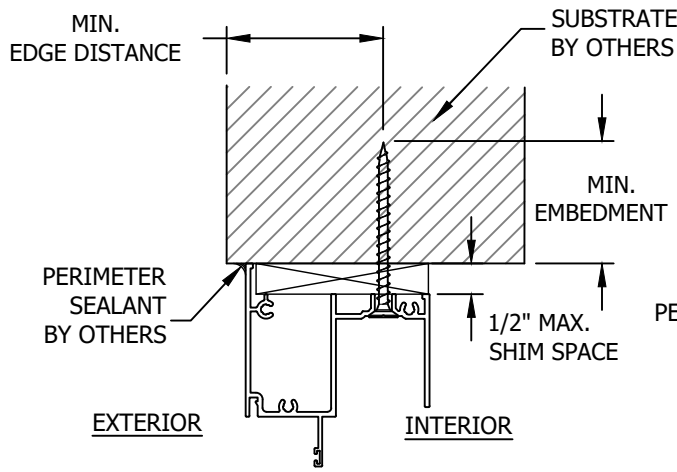
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5 HORIZONTAL SECTION
LIGHT REINFORCEMENT - MEETING RAIL



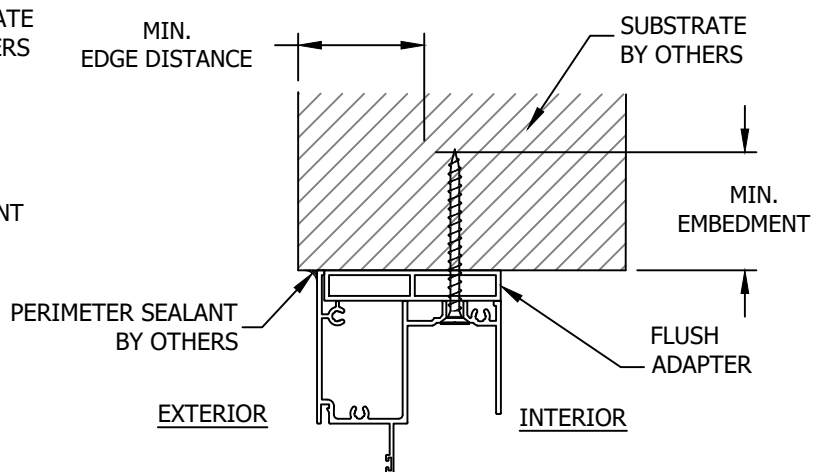
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HEAVY REINFORCEMENT - MEETING RAIL



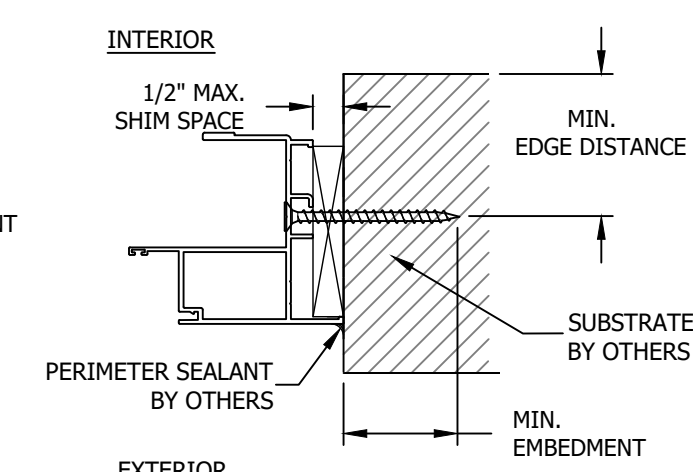
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5 HORIZONTAL SECTION
MULLED - HORIZONTAL SLIDING WINDOW



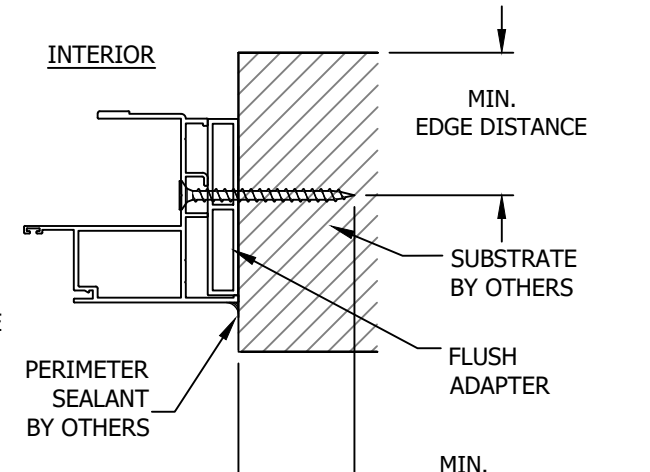
A
6 **ANCHOR DETAIL**
THROUGH FRAME (HEAD)
HEAD SHOWN, SILL SIMILAR



B
6 **ANCHOR DETAIL**
THROUGH FRAME (HEAD) W/ FLUSH ADAPTER
HEAD SHOWN, SILL SIMILAR
ALTERNATE WINDOW FRAME (SIMILAR)



C
6 **ANCHOR DETAIL**
THROUGH FRAME (JAMB)
FIXED JAMB SHOWN, VENT JAMB SIMILAR



D
6 **ANCHOR DETAIL**
THROUGH FRAME (JAMB) W/ FLUSH ADAPTER
FIXED JAMB SHOWN, VENT JAMB SIMILAR
ALTERNATE WINDOW FRAME (SIMILAR)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- 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 $\pm 1/2$ 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 1/2" 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, 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.

ANCHOR SCHEDULE					
METHOD	SUBSTRATE TYPE	SUBSTRATE	ANCHOR TYPE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	A	WOOD: MIN. SG = 0.55	5 / 16" DEWALT ULTRACON	1.5"	1.5"
	B	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI ALUMINUM .125" MIN, 6063-T5 MIN	1 / 4" DEWALT DRILL-FLEX	3 THREADS MIN PENETRATION BEYOND METAL	0.75"
	C	CONCRETE: f _c =3000PSI	5 / 16" DEWALT ULTRACON	2"	2.5"
	D	MASONRY: CMU per ASTM C90 MIN. 2000 PSI		1.25"	2.5"
MULLIONS	E	ALUMINUM 6063-T6	1 / 4" DEWALT DRILL-FLEX	3 THREADS MIN PENETRATION BEYOND METAL	0.75"



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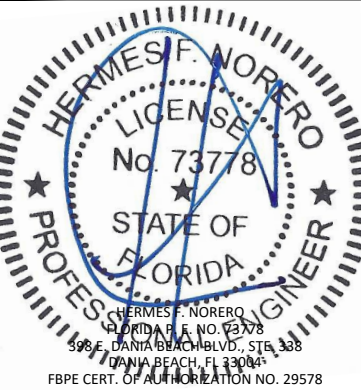
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