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PH TECH CORP

S-8500 SLIDING PATIO DOOR

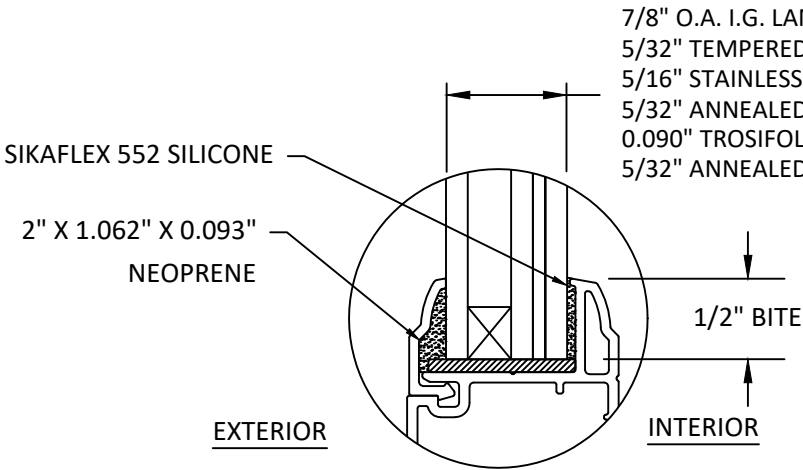
(NON-HVHZ)(IMPACT)

GENERAL NOTES:

1. 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/A440-11
 - ASTM E1886-13A
 - ASTM E1996-17
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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. 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4 OR LOWER.
6. FRAME MATERIAL: UPVC
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300. SEE GLAZING DETAILS ON SHEET 1.
8. DESIGNATIONS "X", "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL



GLAZING DETAIL A

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5	HORIZONTAL SECTIONS
6	ANCHOR DETAILS, ANCHOR SCHEDULE, AND INSTALLATION NOTES

DESIGN PRESSURE TABLE			
CONFIGURATION	DESIGN PRESSURE	FRAME SIZES	MISSILE IMPACT RATING
XO	+60/-60 PSF	96" x 96"	LARGE & SMALL MISSILE IMPACT, MISSILE LEVEL D
XOX	+50/-50 PSF	143.5" x 95.5"	

- GLAZING NOTES:
1. GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
3. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
4. GLASS TYPE SHALL COMPLY WITH APPLICABLE GLAZING REQUIREMENTS PER CHAPTER 24 OF THE FBC.



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(NON-HVHZ)(IMPACT)
GENERAL NOTES AND
GLAZING DETAILS

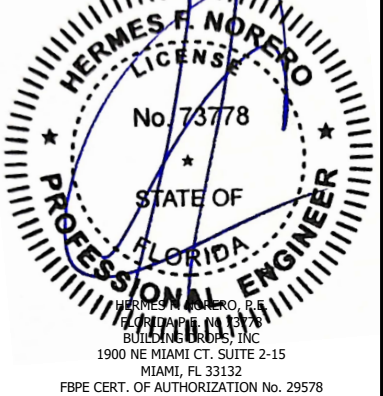
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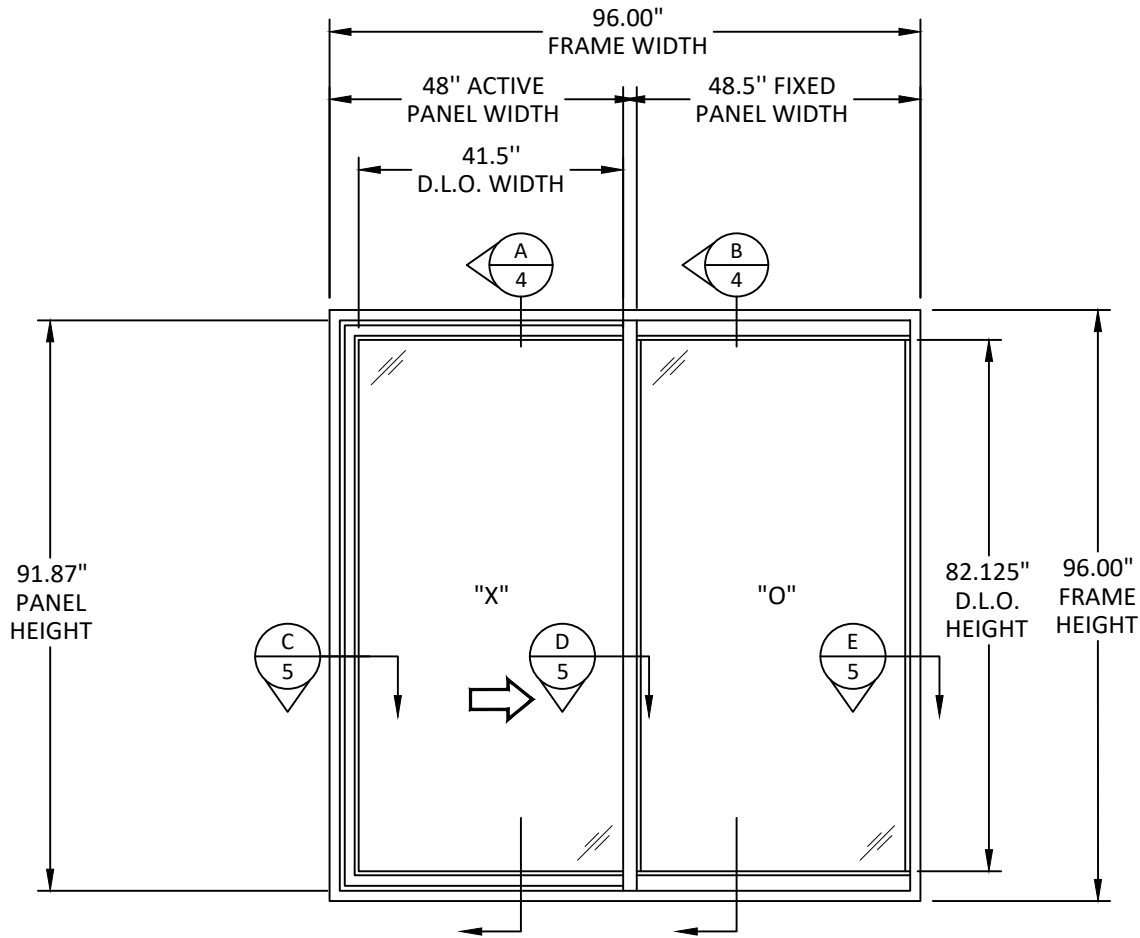
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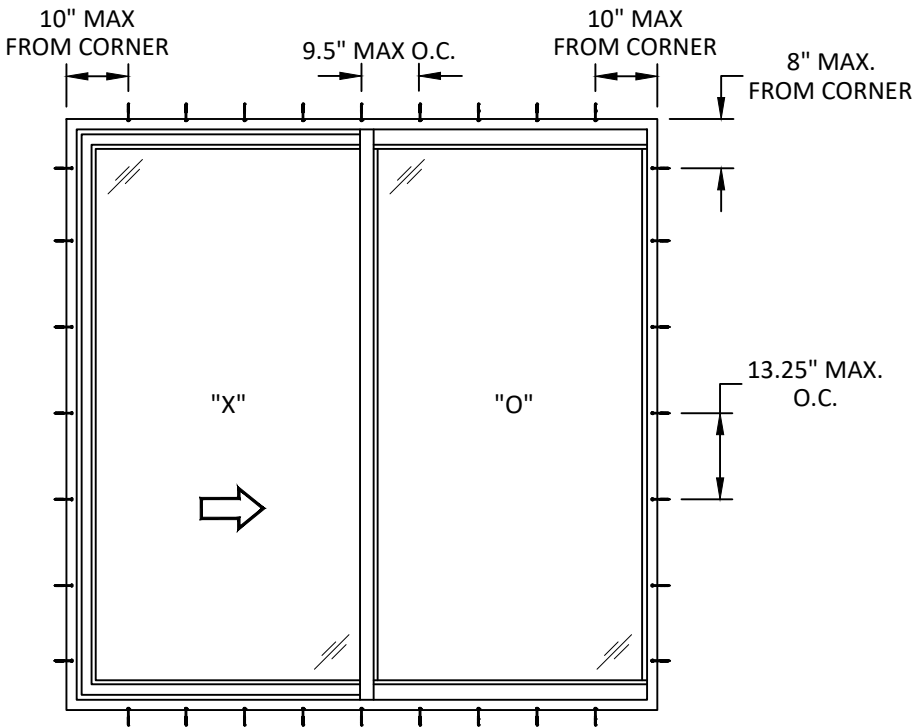
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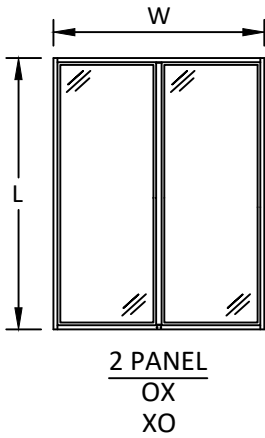


ELEVATION
SLIDING DOOR



ANCHOR LAYOUT
SLIDING DOOR
THROUGH FRAME

QUALIFIED CONFIGURATIONS



NOTE:

FOR MORE ANCHOR INFORMATION (INSTALLATION TYPE, SPACING, QUANTITY, ANCHOR TYPE, QUALIFIED SUBSTRATES) SEE SHEET 6.



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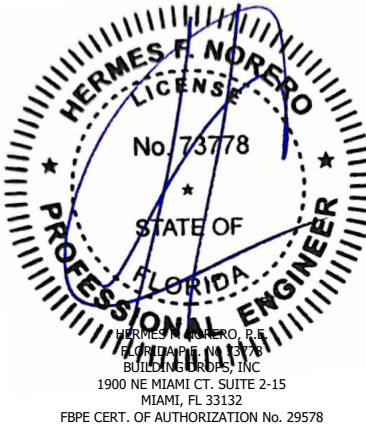
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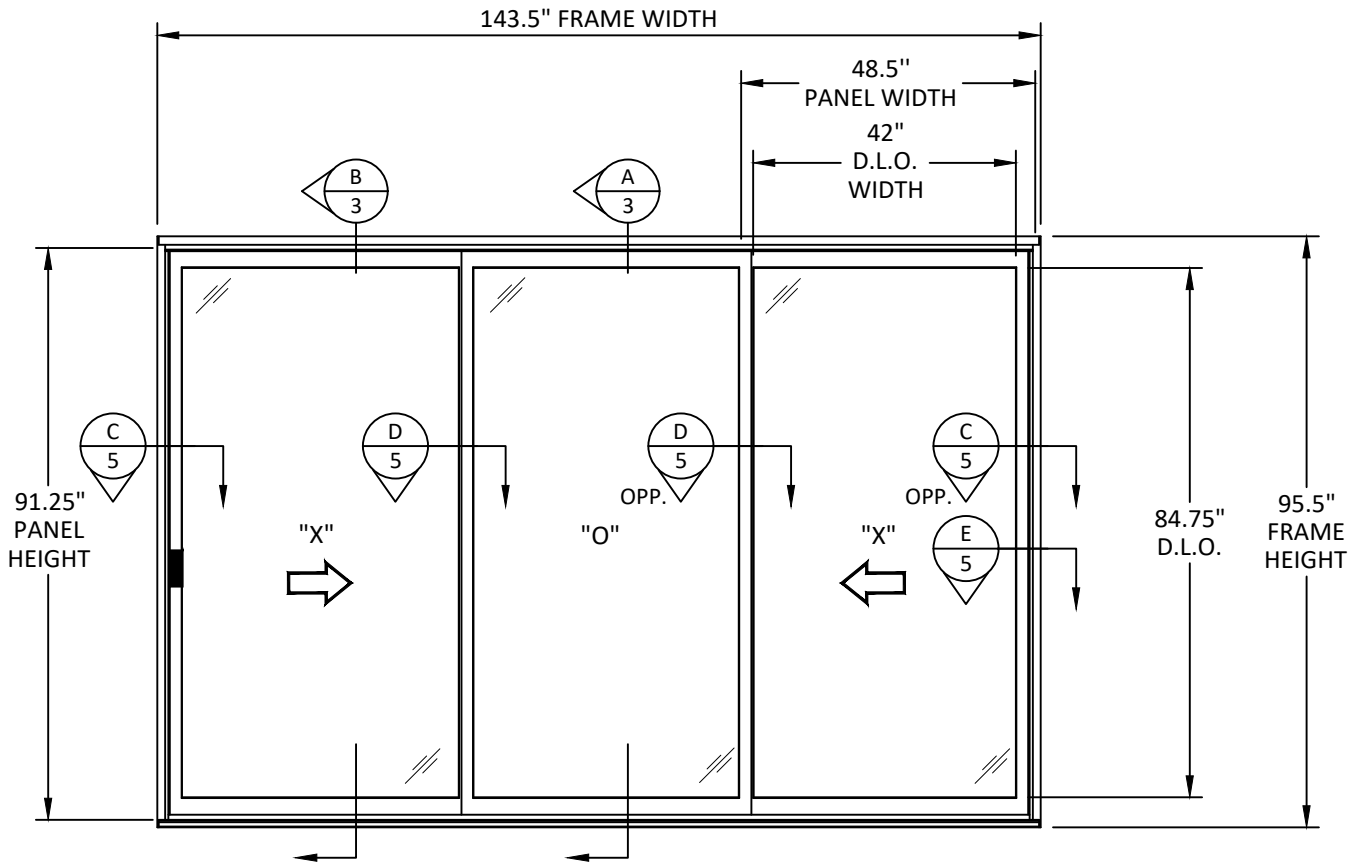
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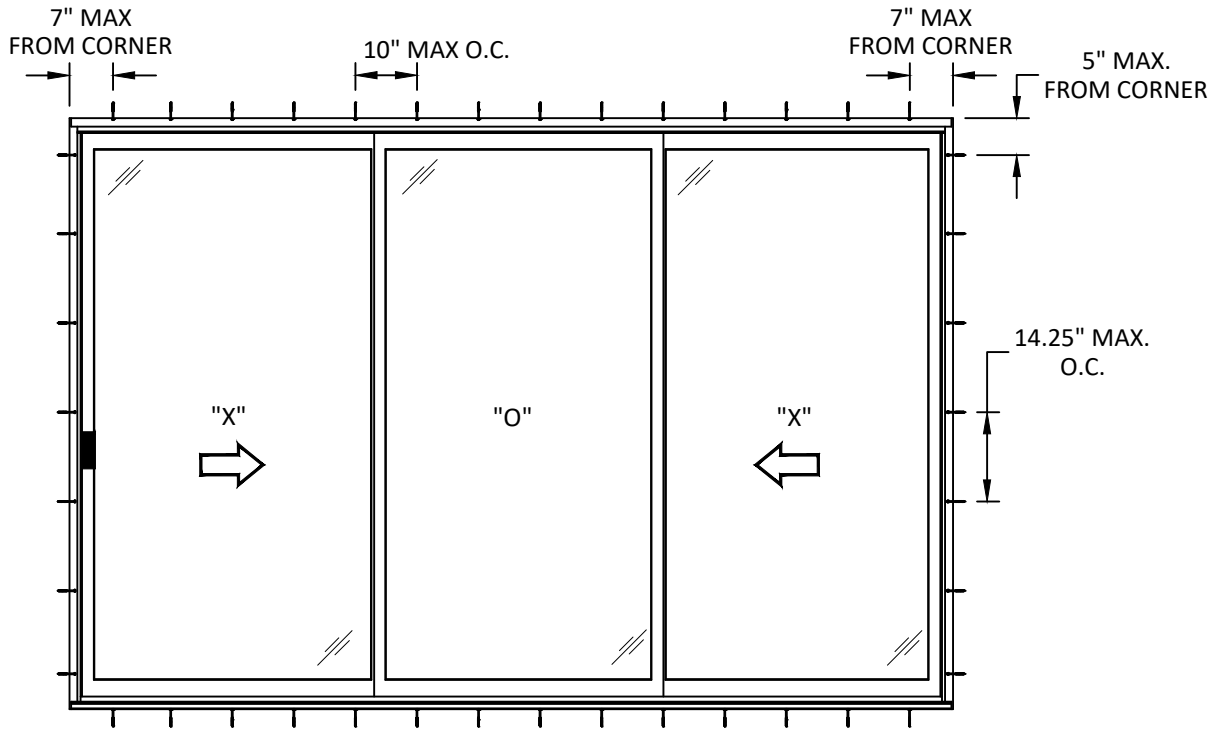
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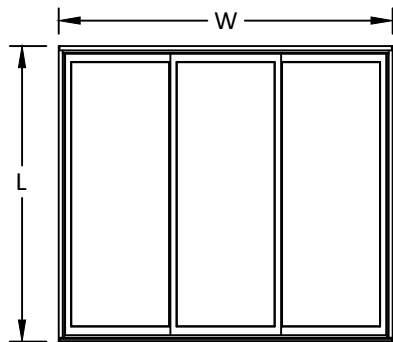


ELEVATION
SLIDING DOOR



ANCHOR LAYOUT
SLIDING DOOR
THROUGH FRAME

QUALIFIED CONFIGURATIONS



3 PANEL
XOX
XOO
OOX

NOTE:

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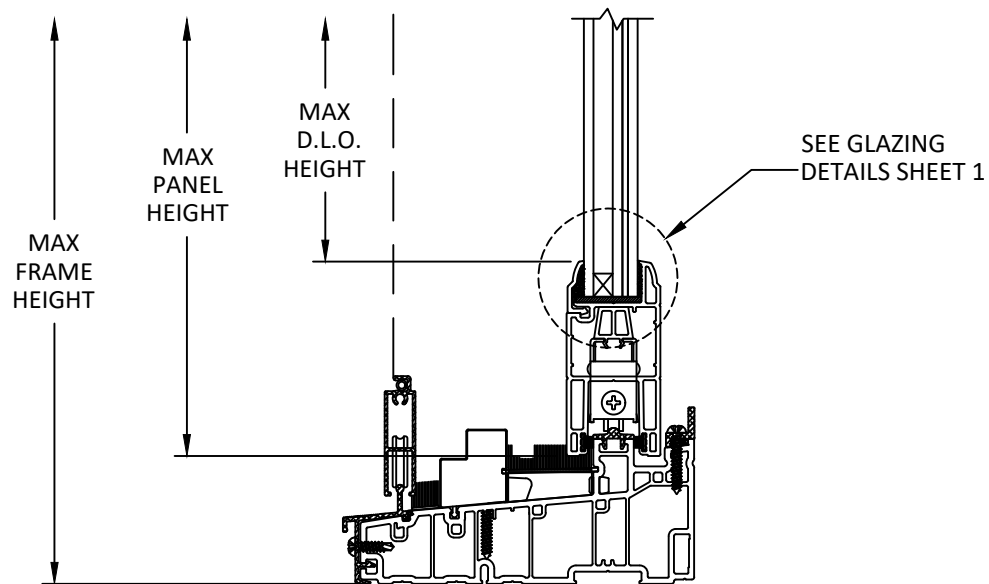
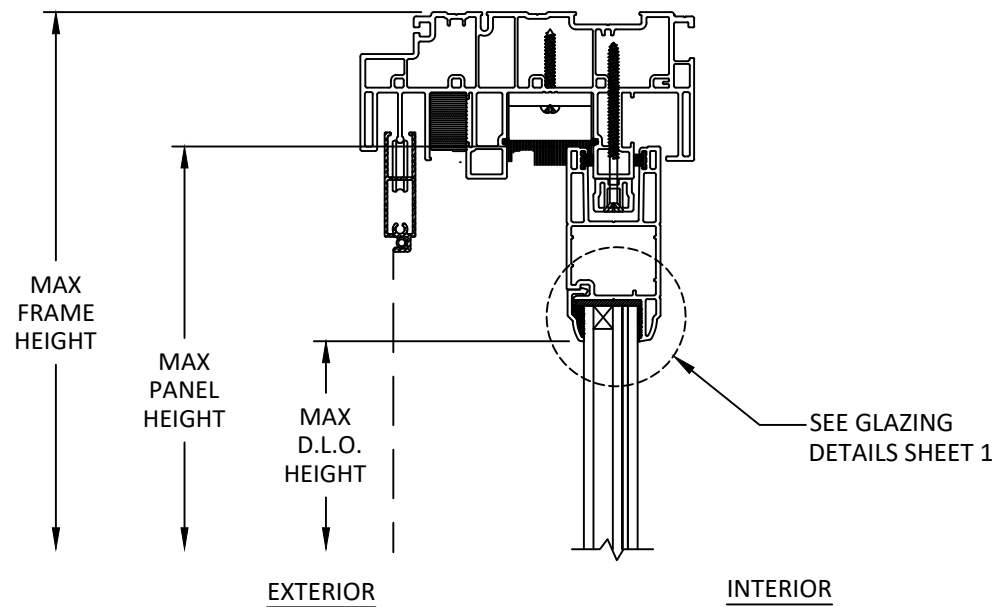
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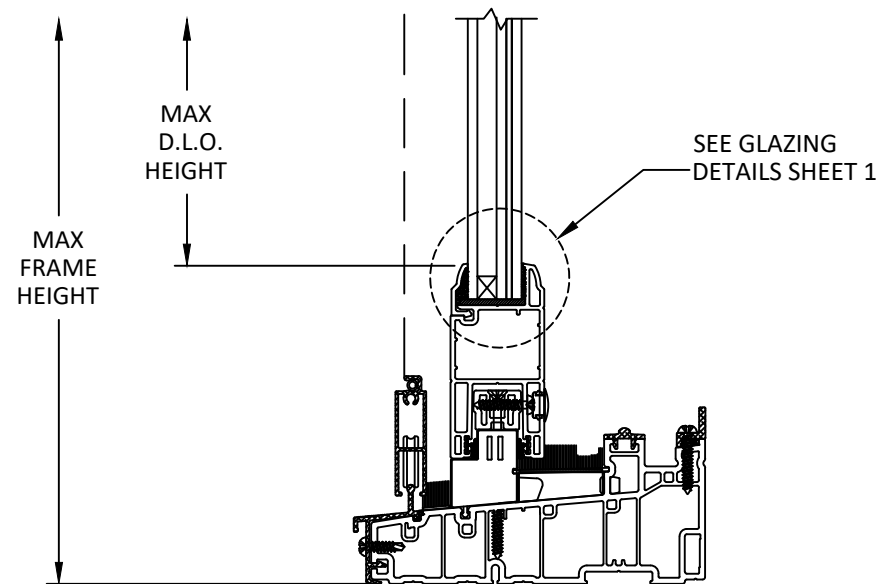
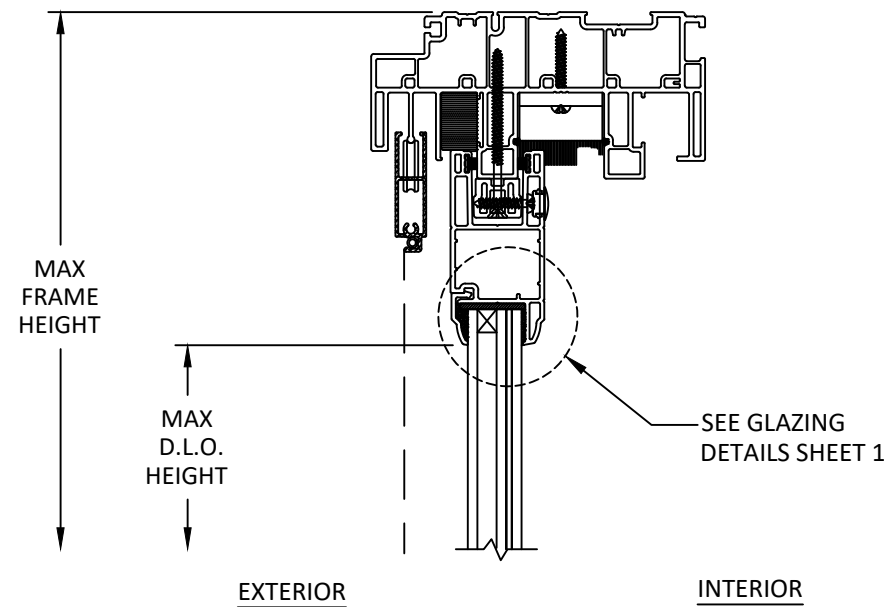
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A
4

VERTICAL SECTION

OPERABLE PANEL



B
4

VERTICAL SECTION

FIXED PANEL



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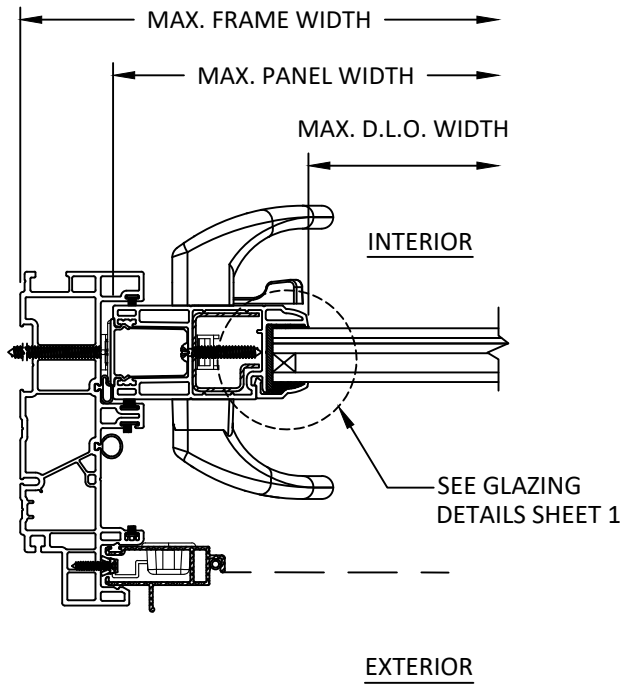
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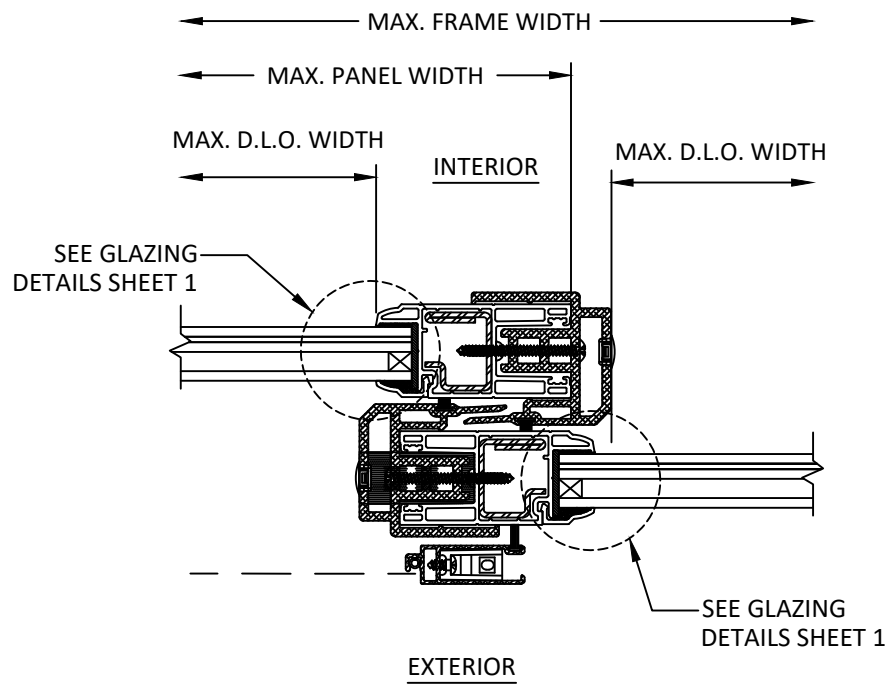
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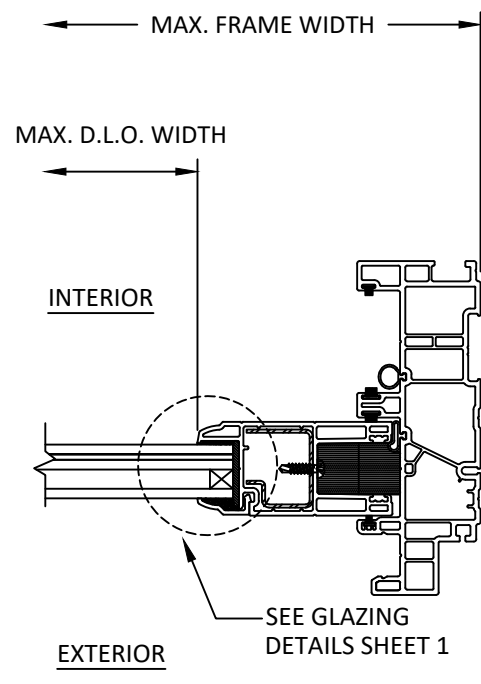
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C
5 **HORIZONTAL SECTION**
LOCK JAMB



D
5 **HORIZONTAL SECTION**
INTERLOCK



E
5 **HORIZONTAL SECTION**
FIXED JAMB



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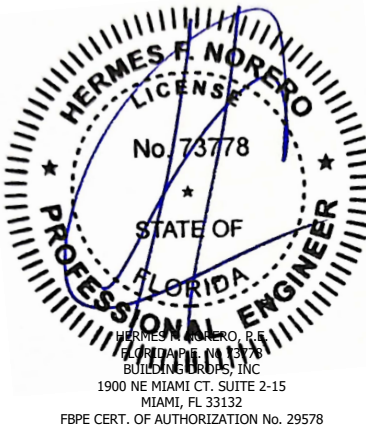
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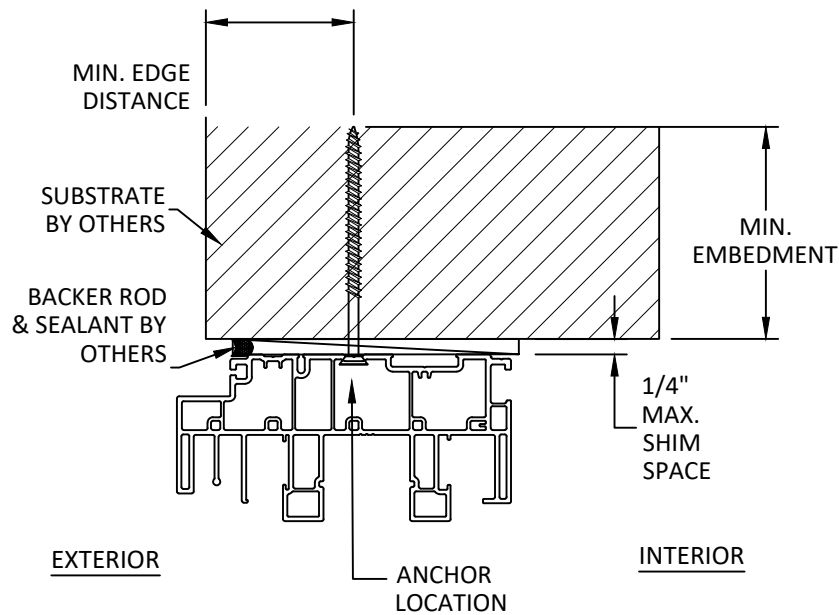
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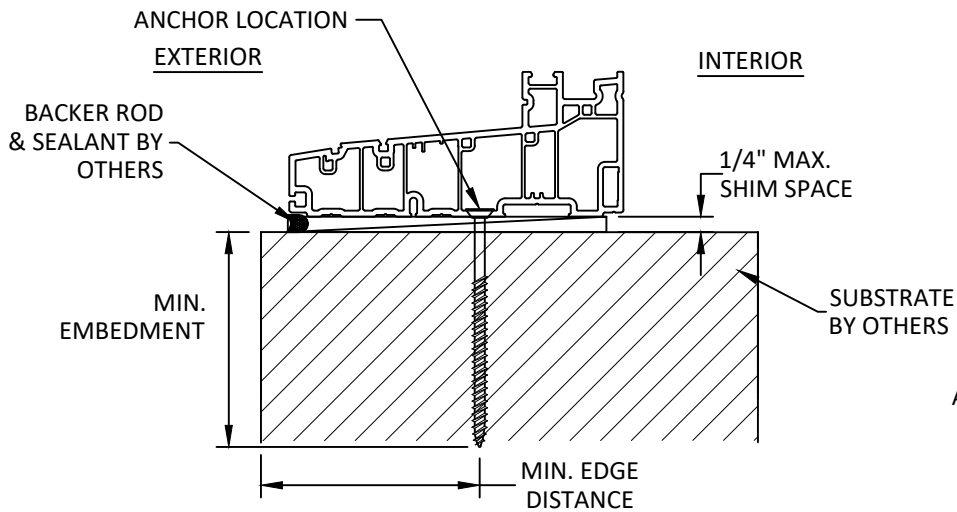


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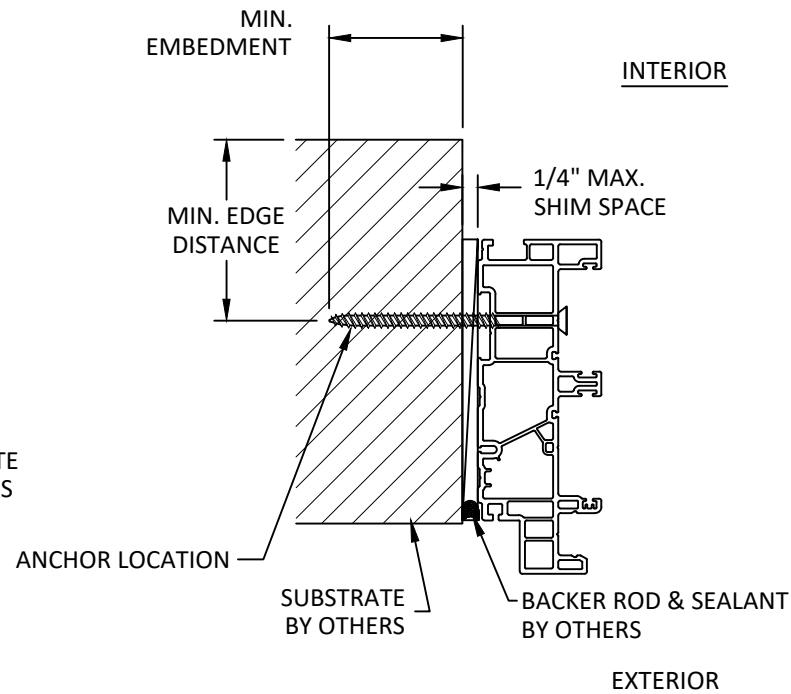
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A
6 **ANCHOR DETAIL**
THROUGH FRAME



B
6 **ANCHOR DETAIL**
THROUGH FRAME



C
6 **ANCHOR DETAIL**
THROUGH FRAME

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- 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.
- 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 ANCHOR LOCATION WHERE SPACE BETWEEN PRODUCT AND STRUCTURE IS $\frac{1}{16}$ INCH OR GREATER. MAXIMUM ALLOWABLE SHIM STACK IS NOT TO EXCEED 1/4 INCH. ALL SHIMS ARE TO BE LOADED BEARING, HIGH DENSITY PLASTIC OR BETTER.
- 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.
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
- 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	ANCHOR	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	2X WOOD MIN. S.G.= 0.55	#10 WOOD SCREW	1.500	0.750
	GROUT FILLED CMU PER ASTM C-90 W/ MIN. f'c=2,000 PSI	3/16 ITW TAPCON (CARBON OR STAINLESS STEEL)	1.000	2.250
	CONCRETE W/ MIN. f'c = 3,000 PSI		1.000	2.250
	METAL: 18 GAUGE STEEL, MIN. Fy = 33 KSI	#10-24 GR. 5 SMS OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.750



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