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P.H. TECH CORP

S-8750/8770/8710 SLIDING PATIO DOOR

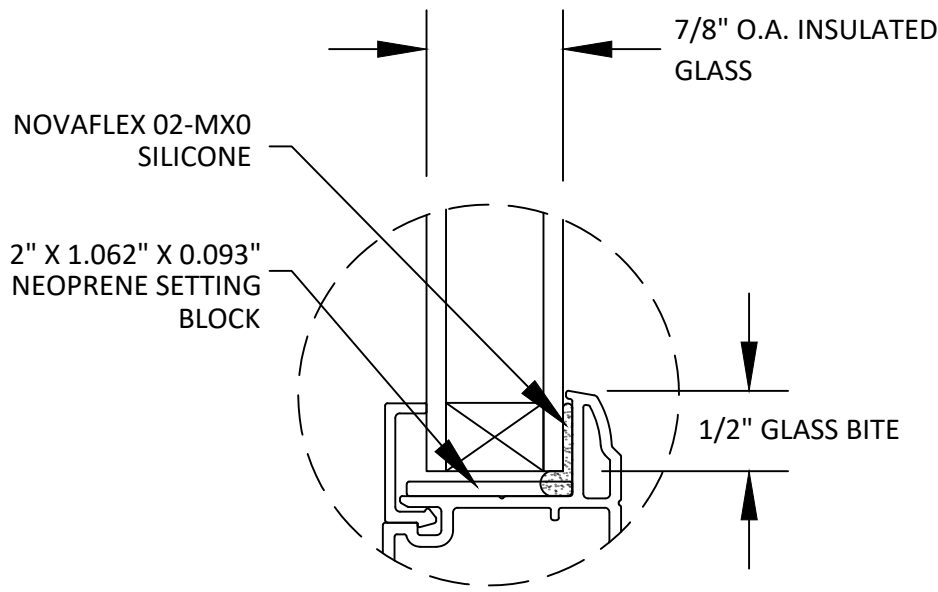
(NON-HVHZ)(NON-IMPACT)



P.H. TECH CORP
724 BRICKWORKS DRIVE
LEETSDALE, PA 15056
418-833-3231

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/A440-08/17
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 REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. FRAME MATERIAL: UPVC
7. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300. SEE GLAZING DETAIL ON SHEET 1.
8. DESIGNATIONS "X", "O" STAND FOR THE FOLLOWING:
X: OPERABLE PANEL
O: FIXED PANEL



GLAZING DETAIL

GLAZING NOTES:

1. GLASS TYPE SHALL COMPLY WITH ASTM E1300 & FBC SAFETY REQUIREMENTS.
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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DESIGN PRESSURE TABLE				
CONFIGURATION	MULLION REINFORCEMENT/ INTERLOCK REINFORCEMENT	DESIGN PRESSURE	FRAME SIZES	MISSILE IMPACT RATING
XO	NONE/SINGLE	+50/-50 PSF	72" x 82"	NON-IMPACT
XO	NONE/SHORT SINGLE	+55/-55 PSF	72" x 82"	
XO	SINGLE/SINGLE	+40/-40 PSF	96" x 96"	
XO	SINGLE/DOUBLE	+35/-35 PSF	96" x 96"	
OXO	NONE/SINGLE	+55/-55 PSF	107" x 82"	
OXO	SINGLE/SHORT SINGLE	+55/-55 PSF	107" x 82"	
OXO	SINGLE/SINGLE	+55/-55 PSF	107" x 82"	
OXO	SINGLE/SINGLE	+35/-35 PSF	144" x 96"	
OXO	SINGLE/DOUBLE	+40/-40 PSF	144" x 96"	
XOO	SINGLE/SINGLE	+40/-40 PSF	104" x 96"	

TITLE: S-8750/8770/8710
SLIDING PATIO DOOR
(NON-HVHZ)(NON-IMPACT)
GENERAL NOTES AND GLAZING DETAIL

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



REMARKS	BY	DATE

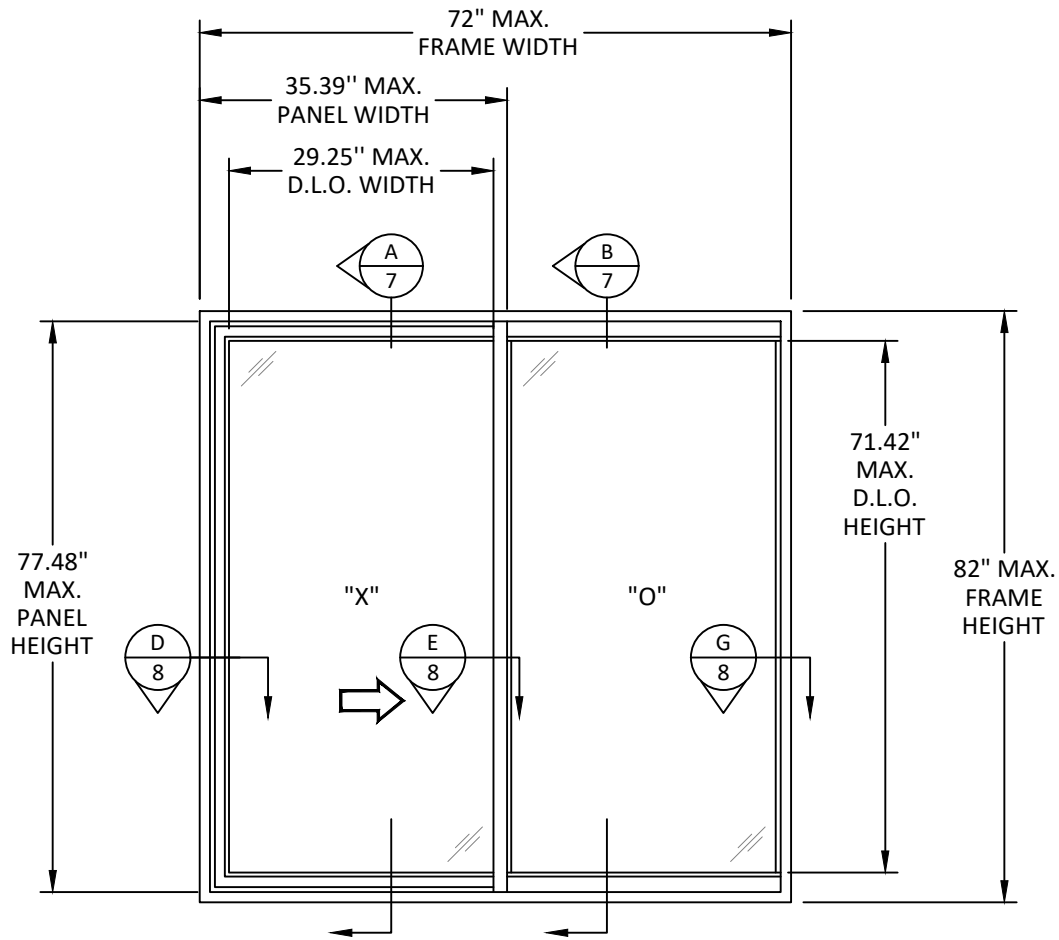
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Reason: I am approving this document
Date: 2025.02.11 12:17:16 -05'00'

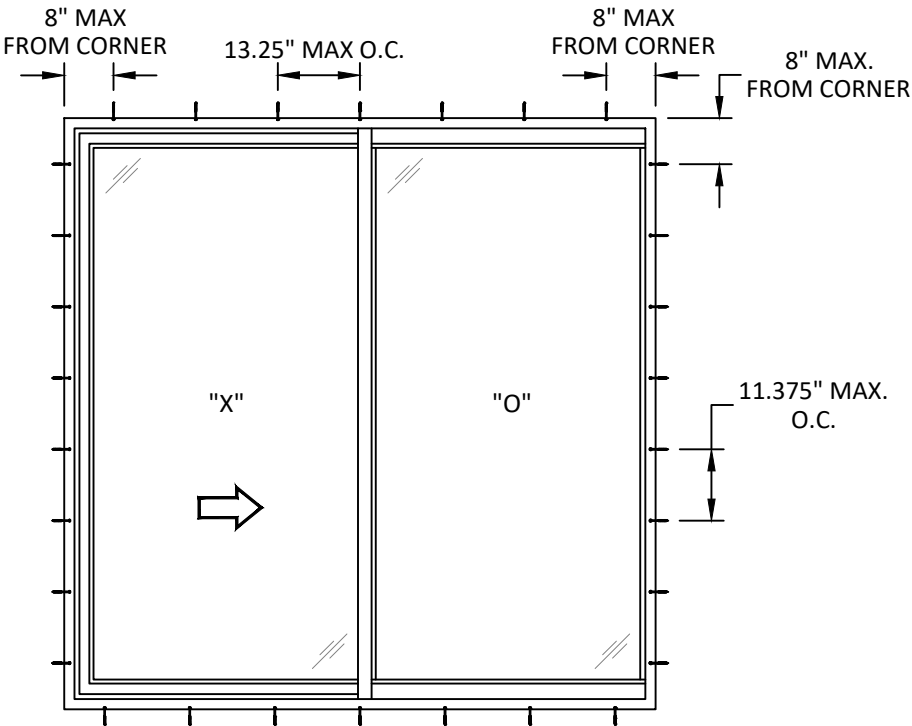


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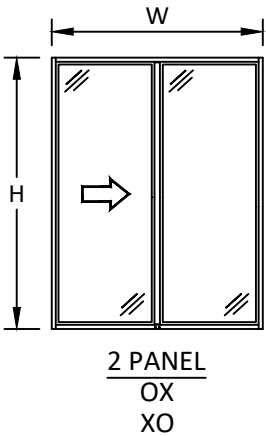


ELEVATION
SLIDING DOOR



ANCHOR LAYOUT
SLIDING DOOR
THROUGH FRAME

QUALIFIED CONFIGURATIONS



NOTE:

FOR MORE ANCHOR INFORMATION (INSTALLATION TYPE, SPACING, QUANTITY, ANCHOR TYPE, QUALIFIED SUBSTRATES) SEE SHEET 11.



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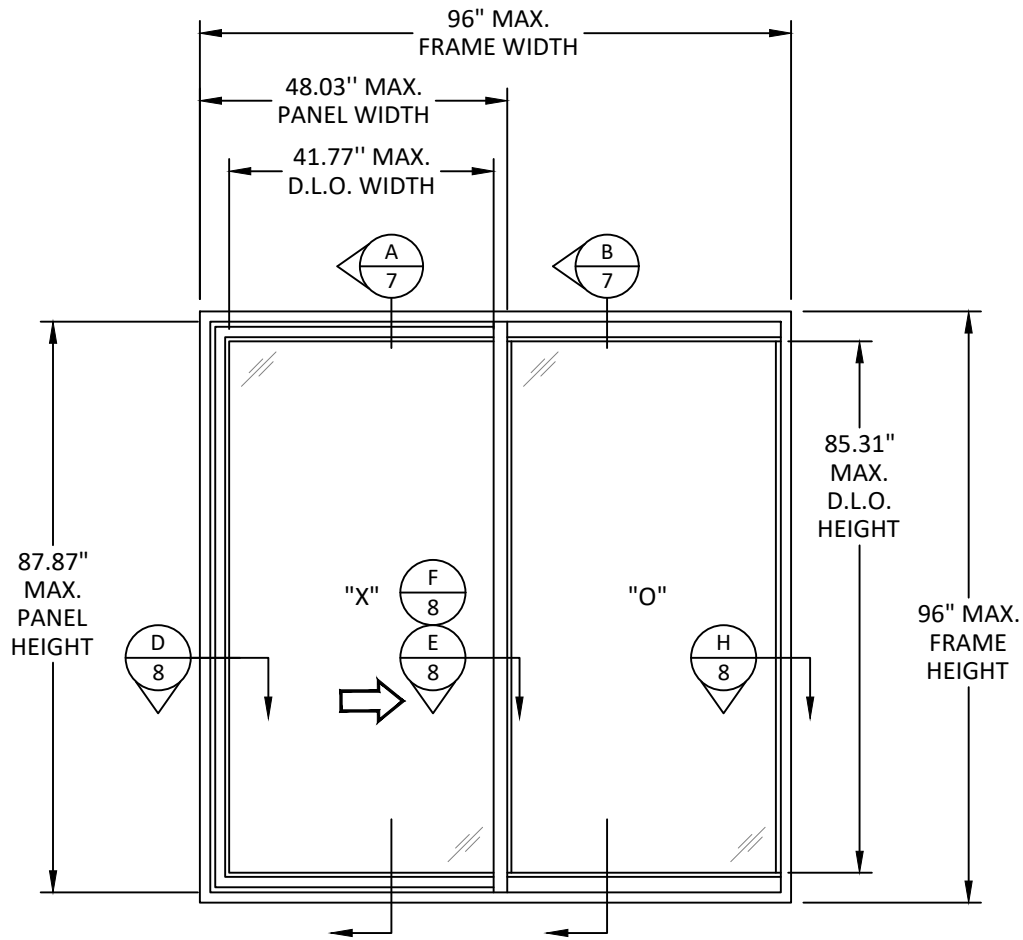
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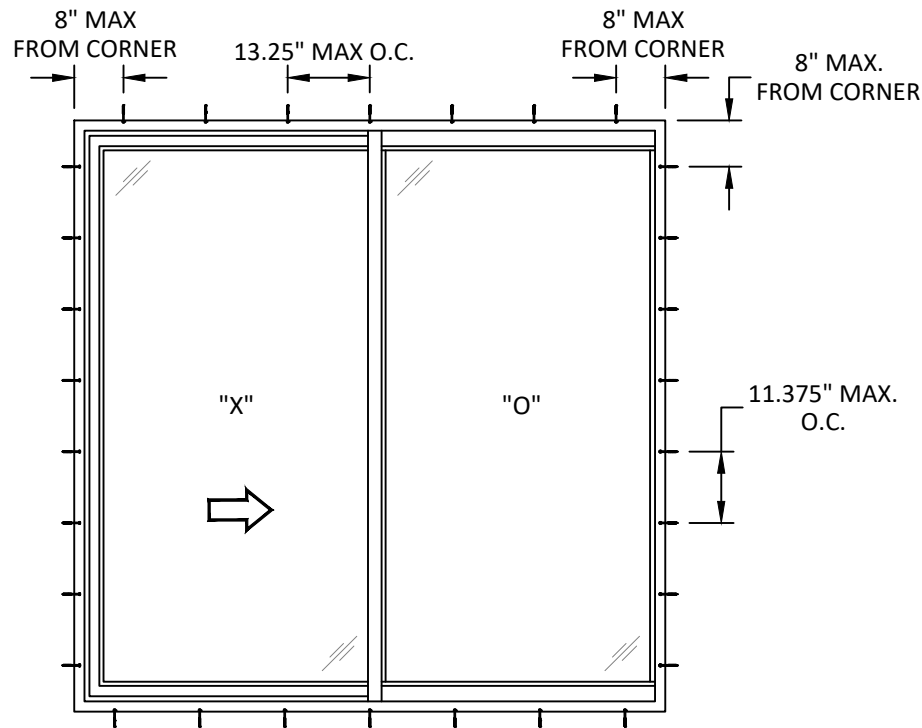
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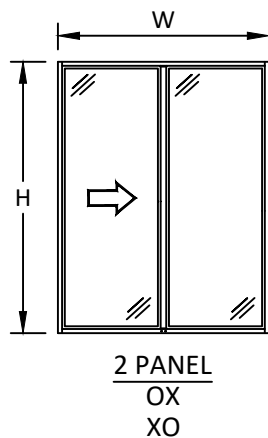


ELEVATION
SLIDING DOOR



ANCHOR LAYOUT
SLIDING DOOR
THROUGH FRAME

QUALIFIED CONFIGURATIONS



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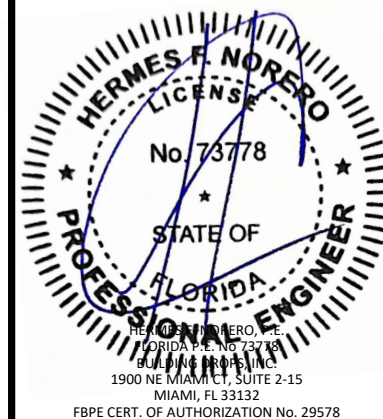
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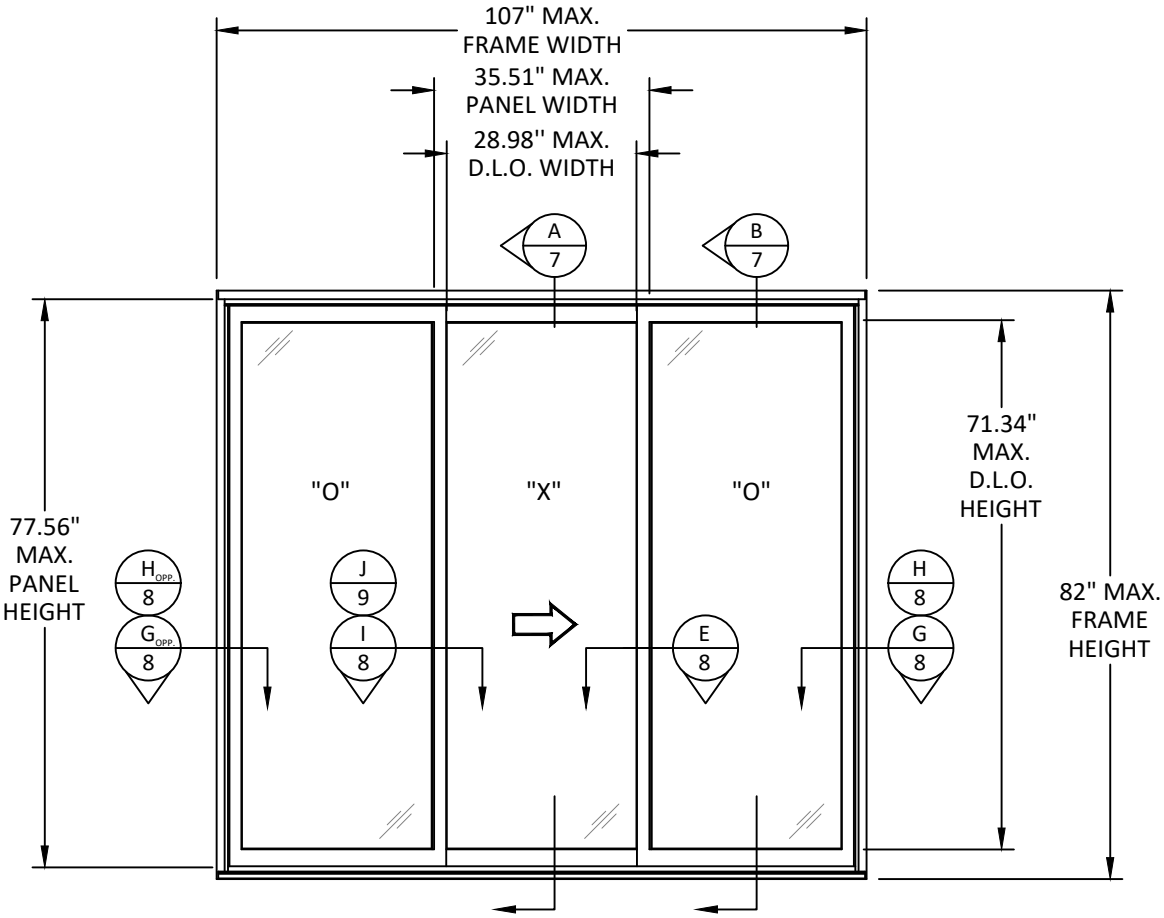
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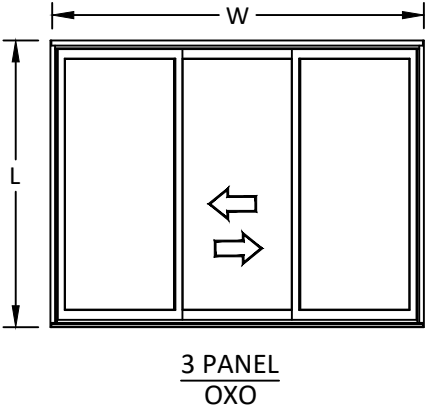
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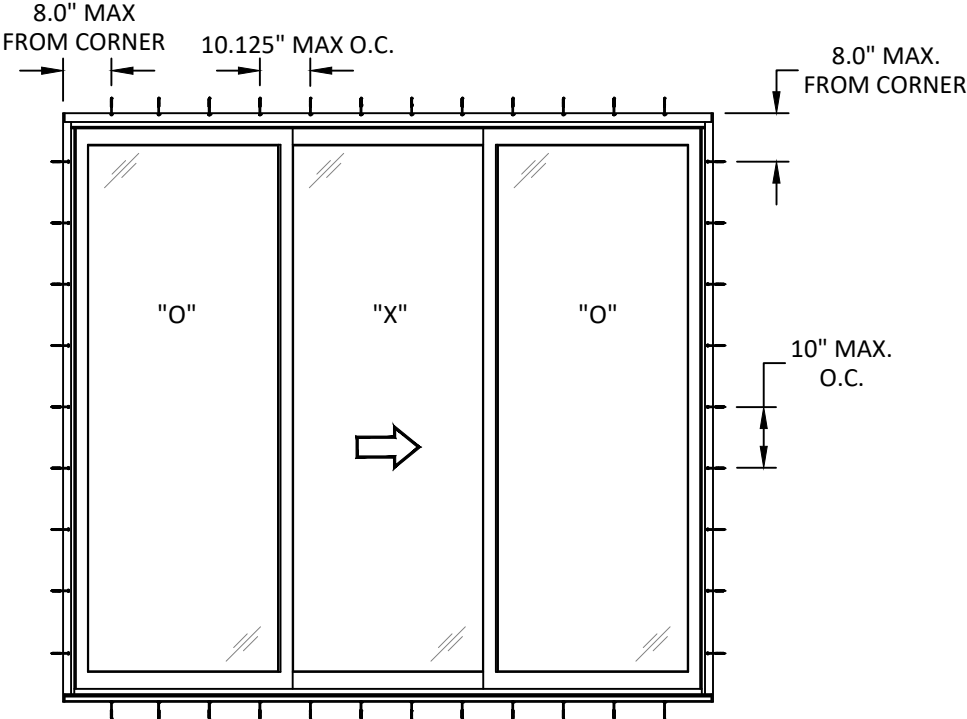


ELEVATION
SLIDING DOOR

QUALIFIED CONFIGURATIONS



3 PANEL
OXO



ANCHOR LAYOUT
SLIDING DOOR
THROUGH FRAME

NOTE:
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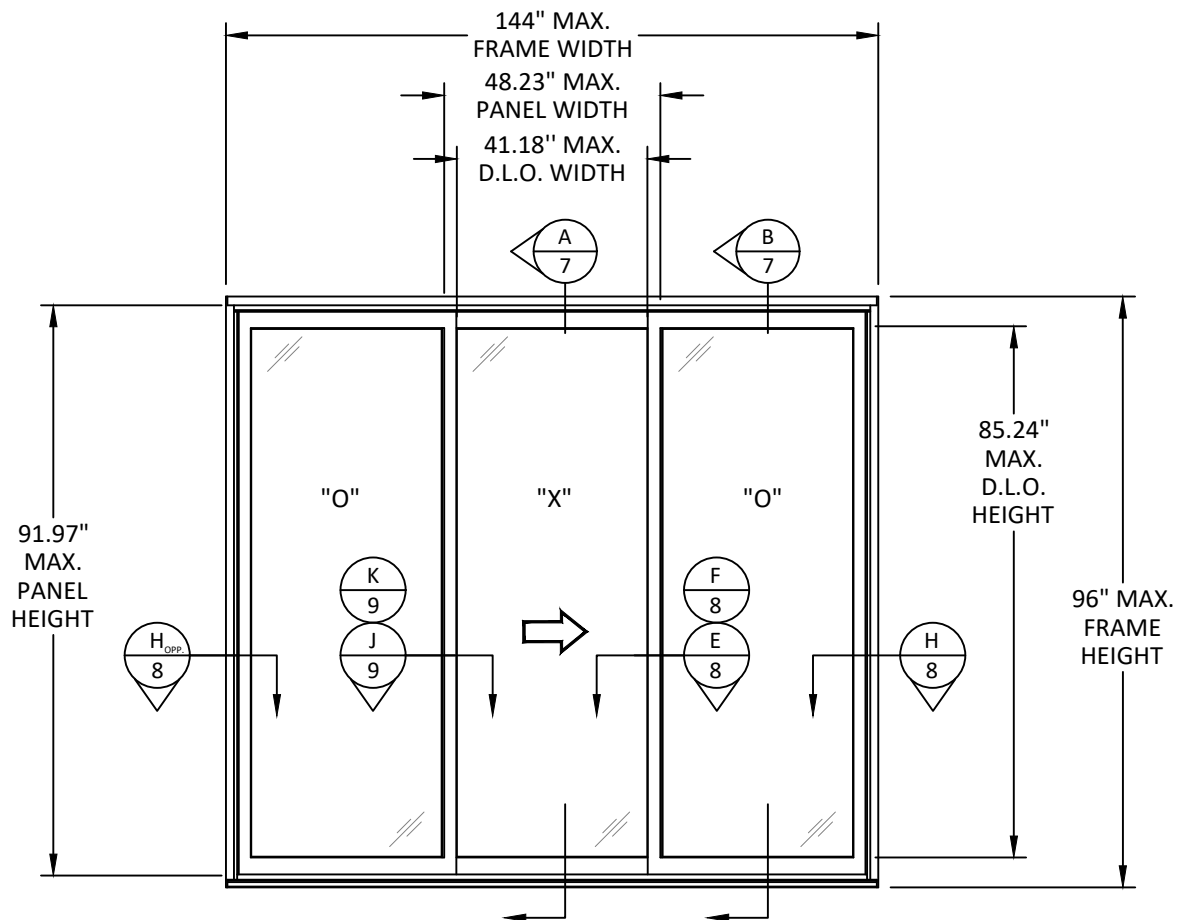
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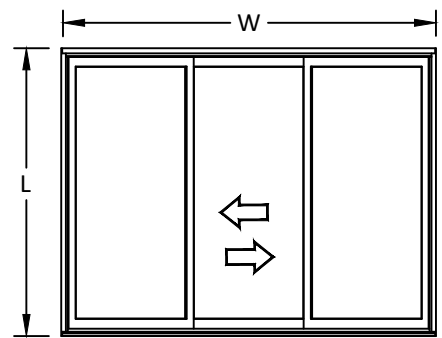
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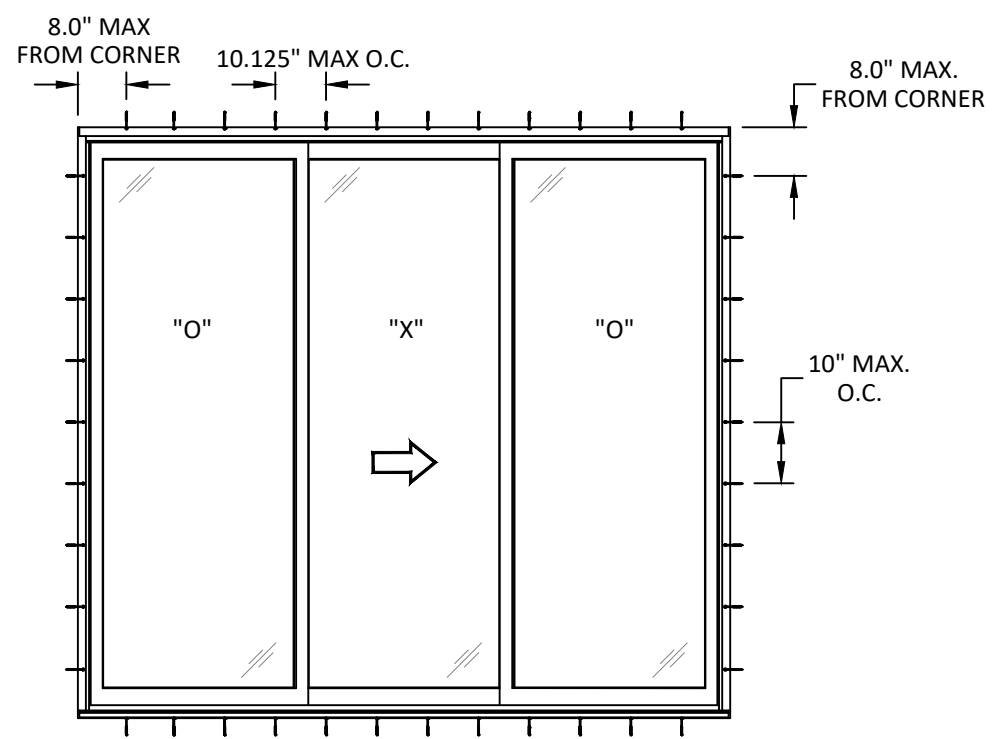


ELEVATION
SLIDING DOOR

QUALIFIED CONFIGURATIONS



**3 PANEL
OXO**



ANCHOR LAYOUT
SLIDING DOOR
THROUGH FRAME

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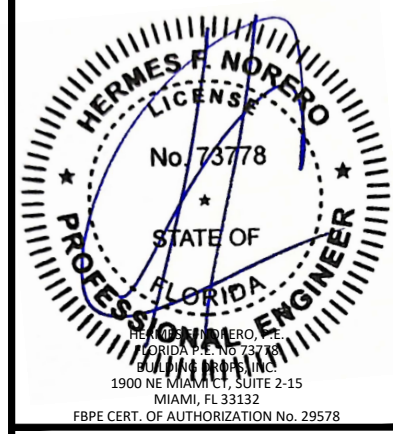
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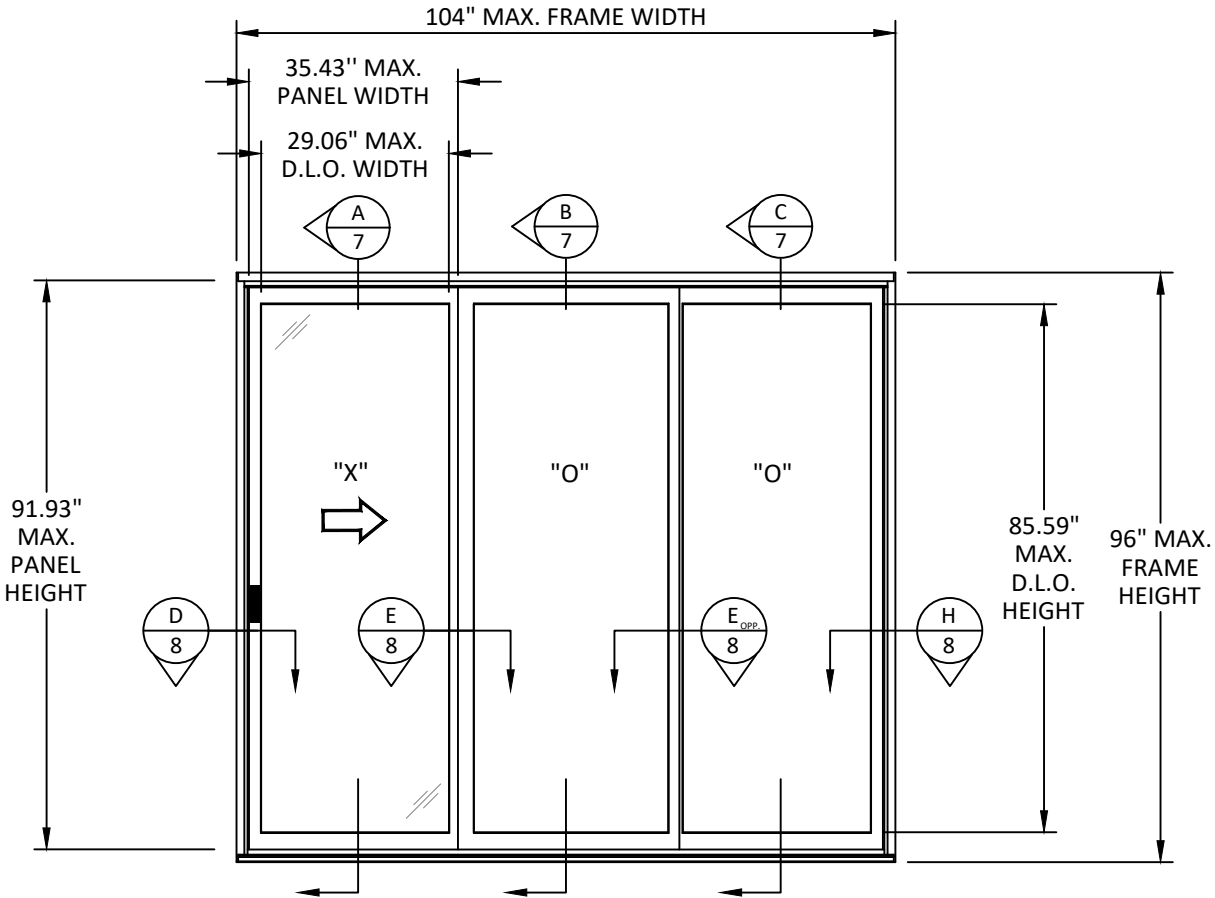
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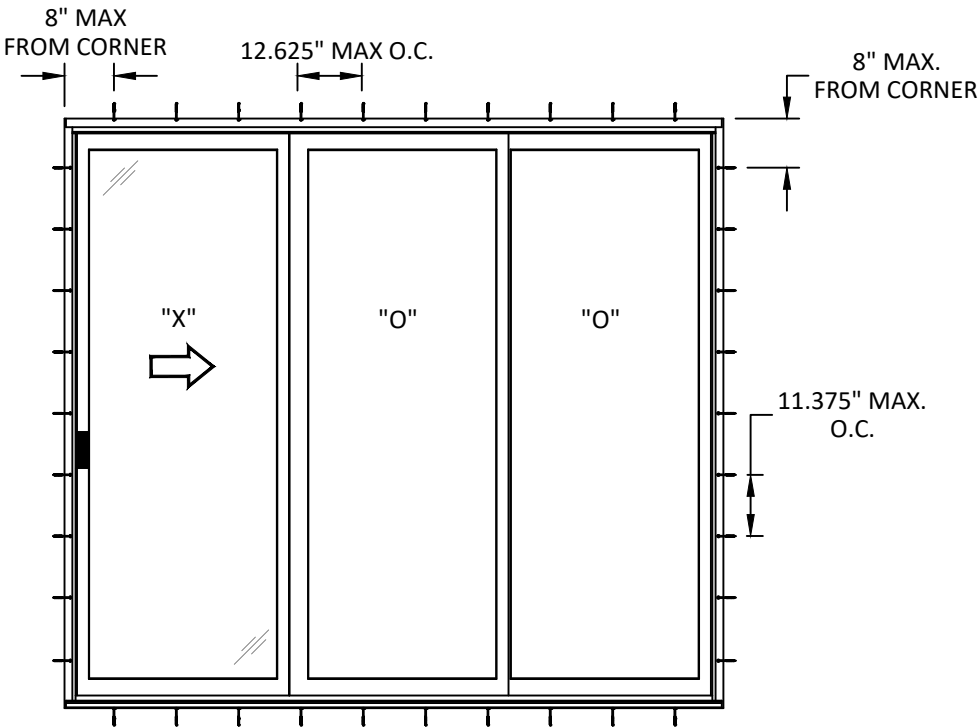


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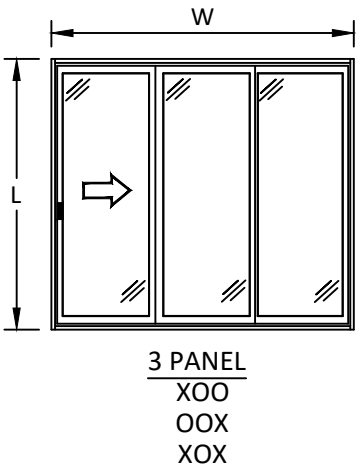


ELEVATION
SLIDING DOOR



ANCHOR LAYOUT
SLIDING DOOR
THROUGH FRAME

QUALIFIED CONFIGURATIONS



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TITLE: S-8750/8770/8710
SLIDING PATIO DOOR
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VERTICAL SECTIONS

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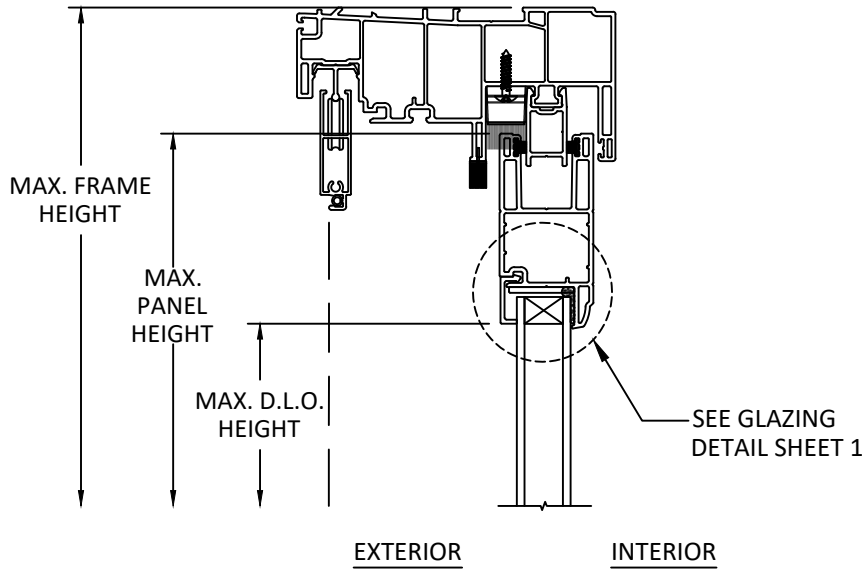
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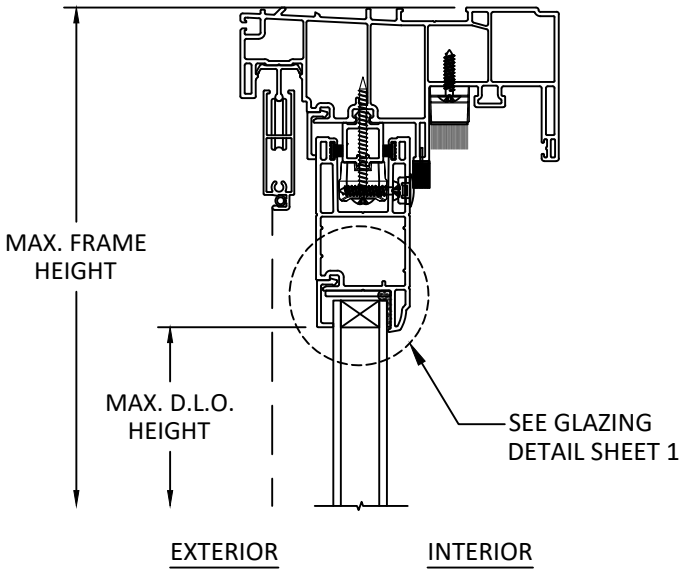
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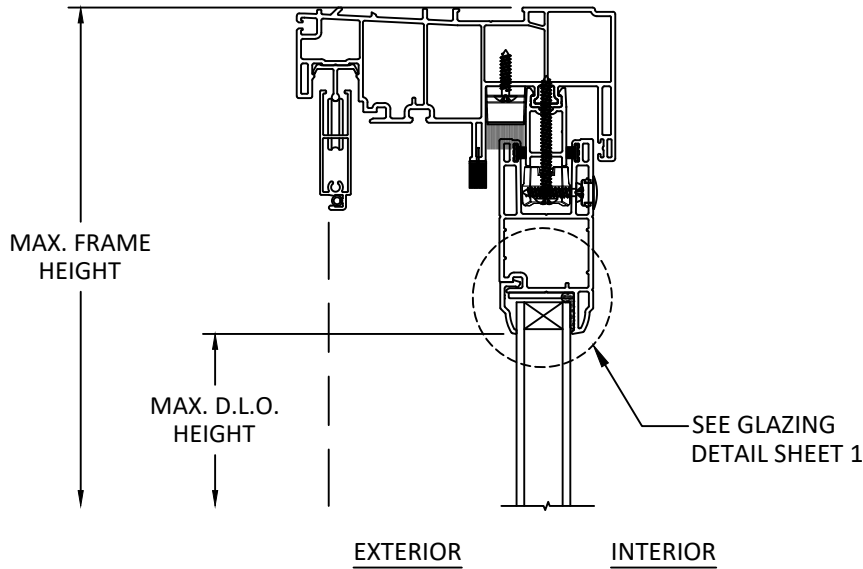
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VERTICAL SECTION
OPERABLE PANEL



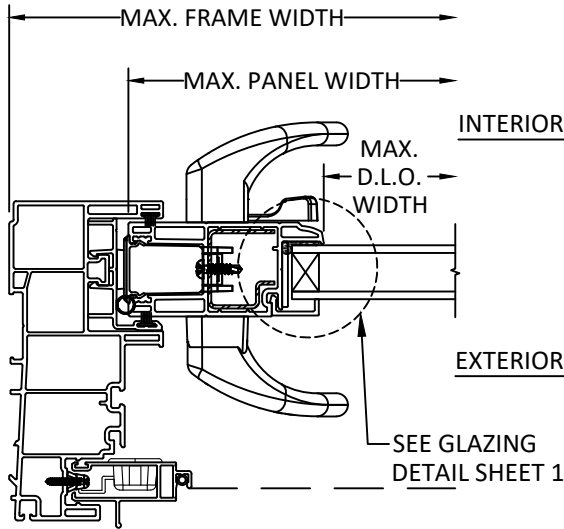
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VERTICAL SECTION
FIXED PANEL

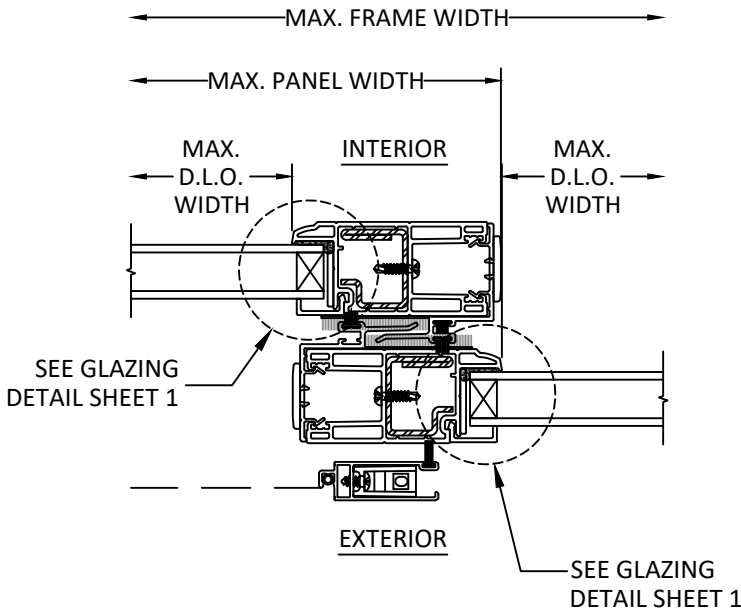


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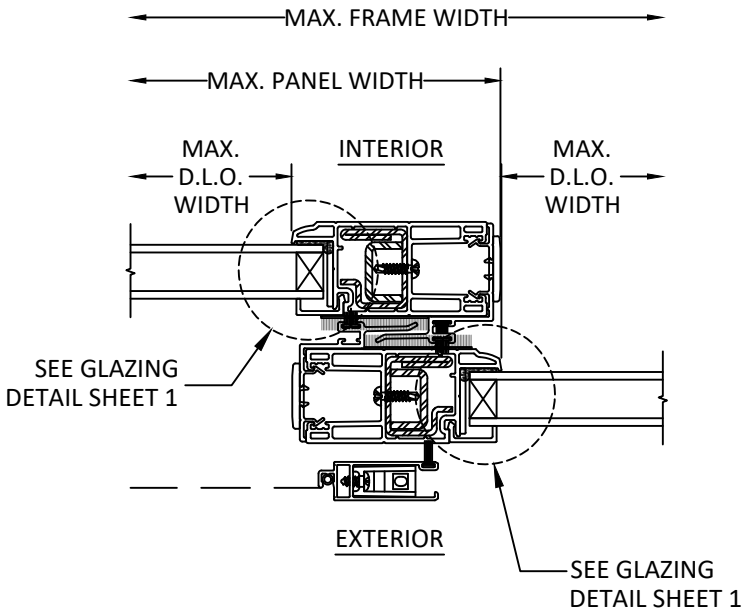
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FIXED PANEL



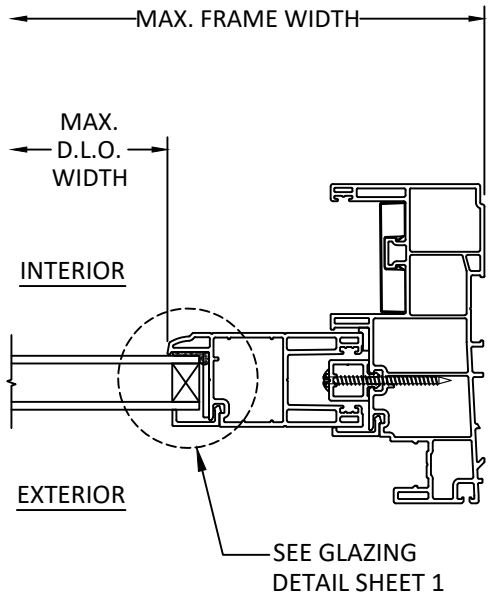
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LOCK JAMB



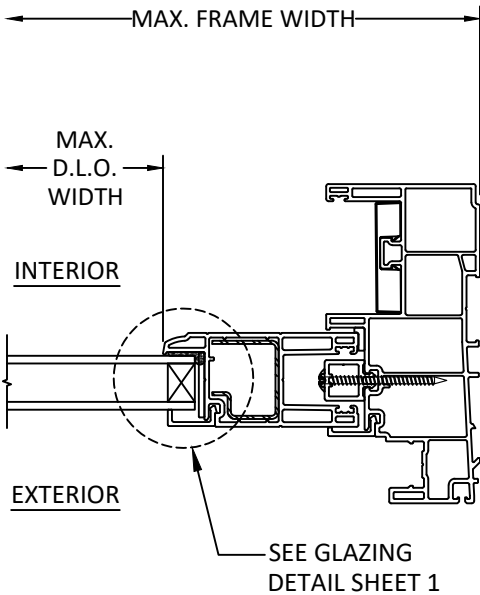
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INTERLOCK (SINGLE REINFORCEMENT)



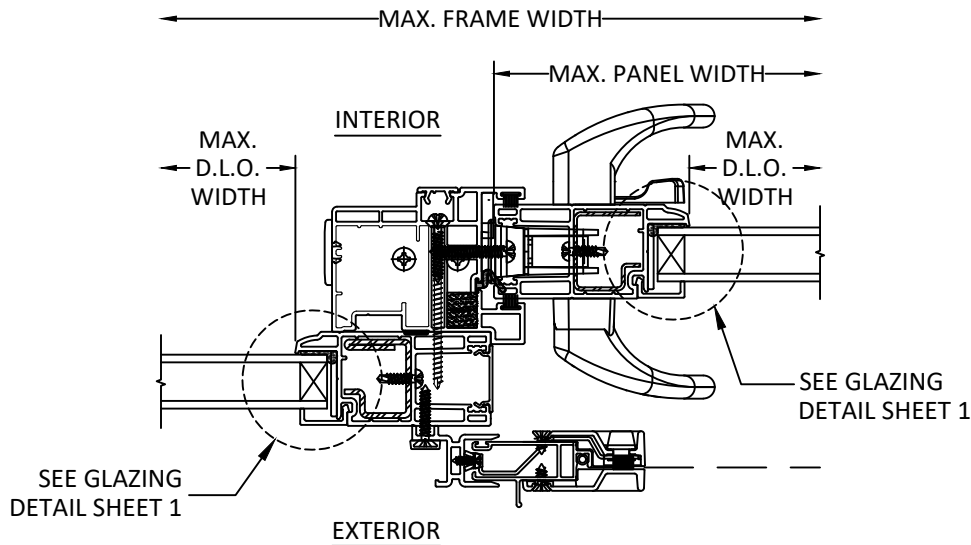
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INTERLOCK (DOUBLE REINFORCEMENT)



G
8 **HORIZONTAL SECTION**
FIXED JAMB MULLION (NONE)



H
8 **HORIZONTAL SECTION**
FIXED JAMB MULLION (SINGLE REINFORCEMENT)



I
8 **HORIZONTAL SECTION**
INTERMEDIATE LOCK MULLION (NONE)
INTERLOCK (SINGLE REINFORCEMENT)



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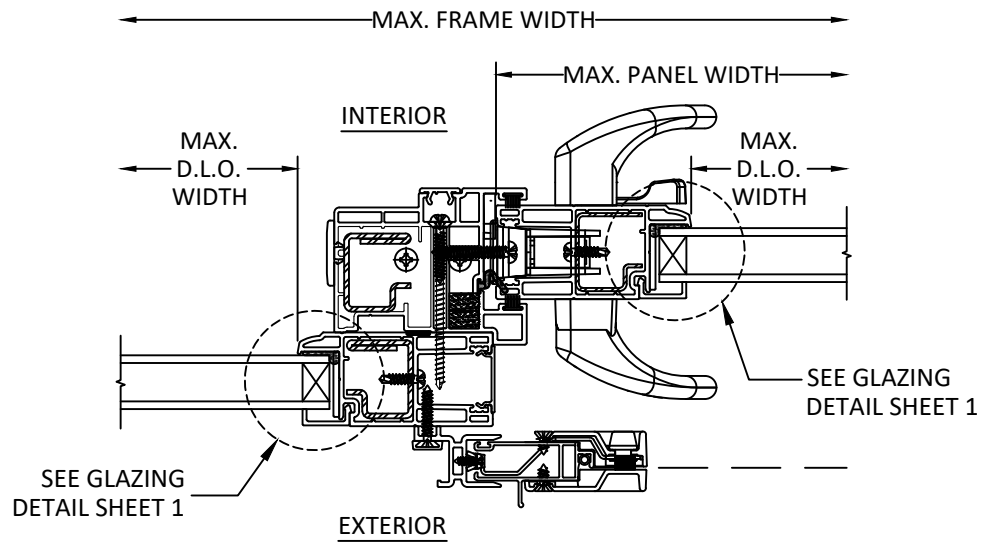
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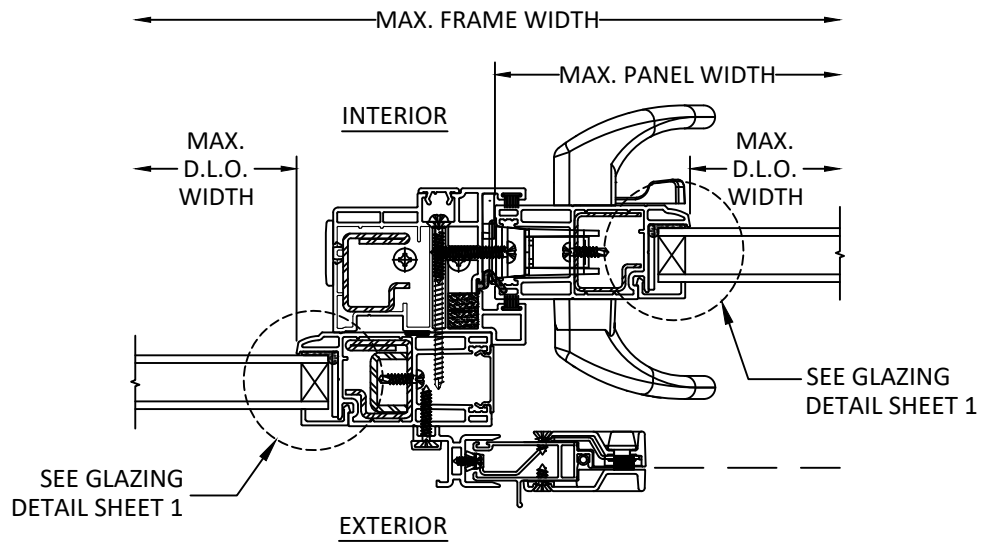
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J
9 **HORIZONTAL SECTION**
INTERMEDIATE LOCK MULLION (SINGLE REINF.)
INTERLOCK (SINGLE REINFORCEMENT)



K
9 **HORIZONTAL SECTION**
INTERMEDIATE LOCK MULLION (SINGLE REINF.)
INTERLOCK (DOUBLE REINFORCEMENT)



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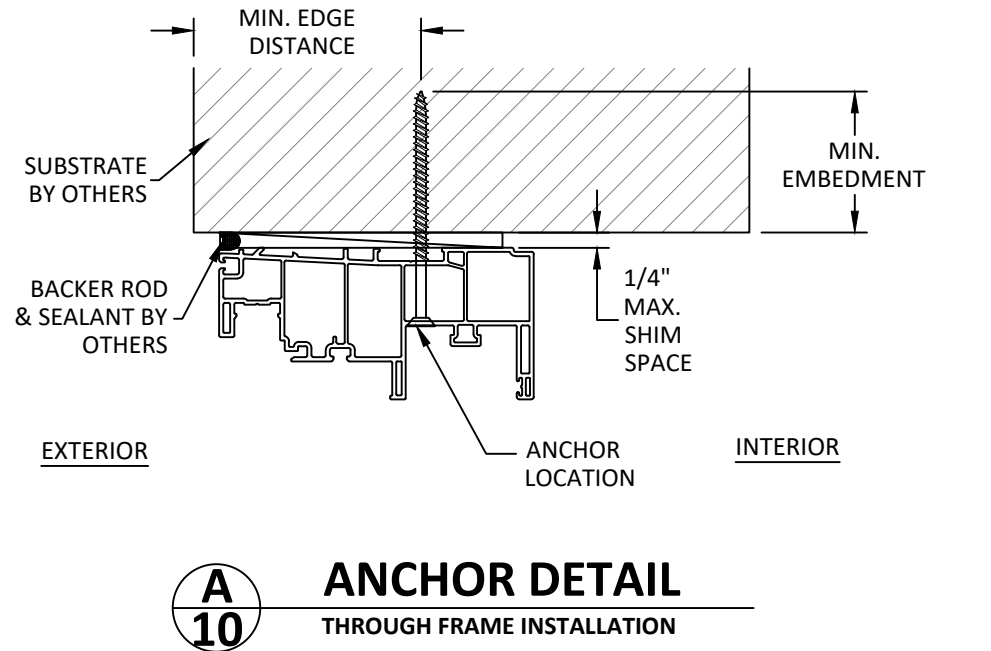
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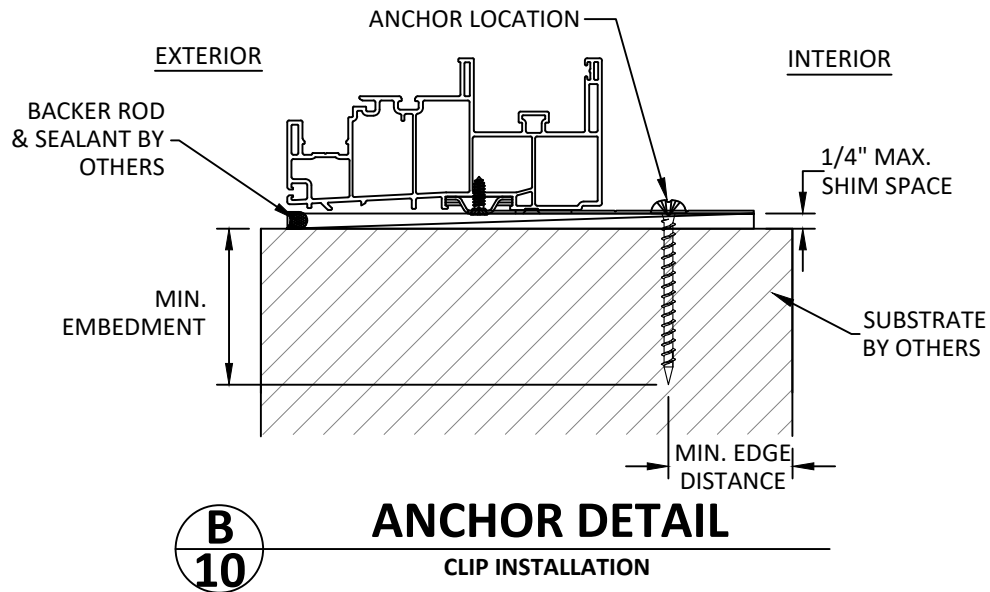
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HEAD SHOWN, SILL
& JAMB SIMILAR



SILL SHOWN, HEAD
& JAMB SIMILAR

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 $1/16$ 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.
- 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	#8 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	#8-32 GR. 5 SMS OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.750



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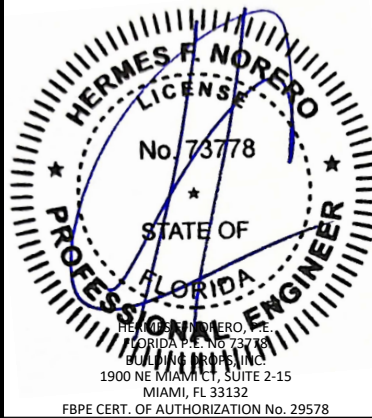
TITLE: S-8750/8770/8710
SLIDING PATIO DOOR
(NON-HVHZ)(NON-IMPACT)
ANCHOR DETAILS, ANCHOR SCHEDULE,
AND INSTALLATION NOTES

PREPARED BY:
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REMARKS	BY	DATE

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.



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DATE: 1/17/25	
DWG. BY: DB	CHK. BY: HFN
SCALE: NTS	
DWG. #: PHT002	
SHEET	

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