

# PH TECH CORP

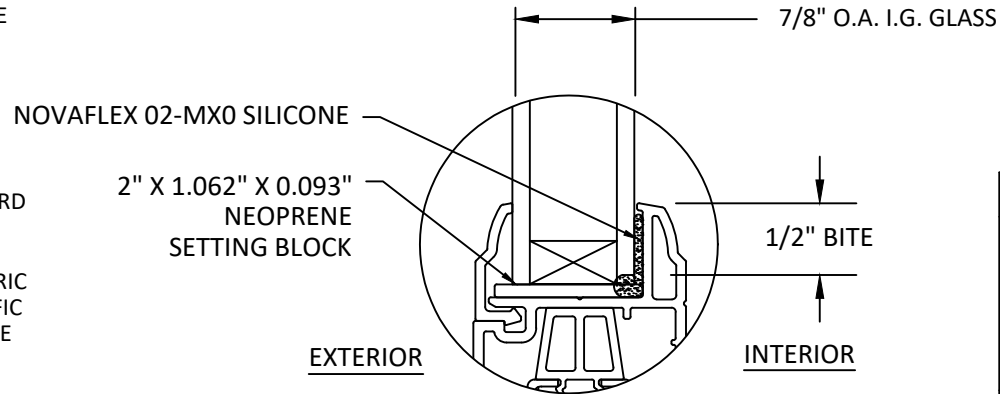
## S-8375 SLIDING PATIO DOOR (NON-HVHZ)(NON-IMPACT)



PH 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/A440-11/17
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 DETAILS ON SHEET 1.
8. DESIGNATIONS "X", "O" STAND FOR THE FOLLOWING:  
X: OPERABLE PANEL  
O: FIXED PANEL



**GLAZING DETAIL A**

**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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2	ELEVATION AND ANCHOR LAYOUT
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5	HORIZONTAL SECTIONS
6	ANCHOR DETAILS, ANCHOR SCHEDULE AND INSTALLATION NOTES

DESIGN PRESSURE TABLE					
CONFIGURATION	FRAME SIZES	DESIGN PRESSURE	POS. PRESSURE LIMITED BY WATER W/ RETRACTABLE SCREEN INSTALLED	POS. PRESSURE LIMITED BY WATER W/O RETRACTABLE SCREEN INSTALLED	MISSILE IMPACT RATING
XXO	117.48" x 81.88"	+55/-55 PSF	+36.2 PSF	+40.4 PSF	NON-IMPACT
XXO	143.50" x 95.47"	+40/-40 PSF	+36.2 PSF	+40.4 PSF	
XXO	143.50" x 81.88"	+45/-45 PSF	+36.2 PSF	+40.4 PSF	
OXXXXO	205.12" x 81.88"	+60/-60 PSF	+25.1 PSF	+36.2 PSF	
OXXXXO	205.12" x 95.47"	+45/-45 PSF	+25.1 PSF	+36.2 PSF	
OXXXXO	275.98" x 95.47"	+30/-30 PSF	+19.5 PSF	+30.6 PSF	

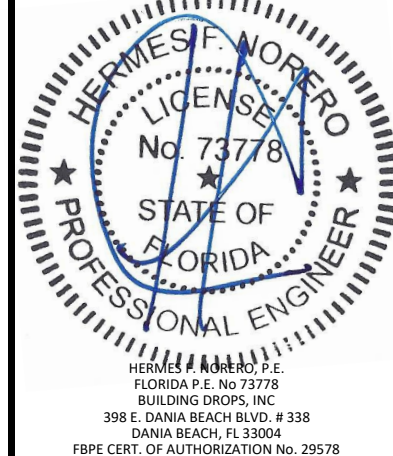
TITLE: PH TECH  
S-8375 SLIDING GLASS DOOR  
(NON-HVHZ)(NON-IMPACT)  
GENERAL NOTES AND GLAZING DETAILS

PREPARED BY:  
**BUILDING DROPS, INC.**  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954)399-8478  
FAX: (954)744-4738  
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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FLORIDA P.E. No. 73778  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION No. 29578

**FL40258**

DATE: **09.16.21**

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SCALE: **NTS**

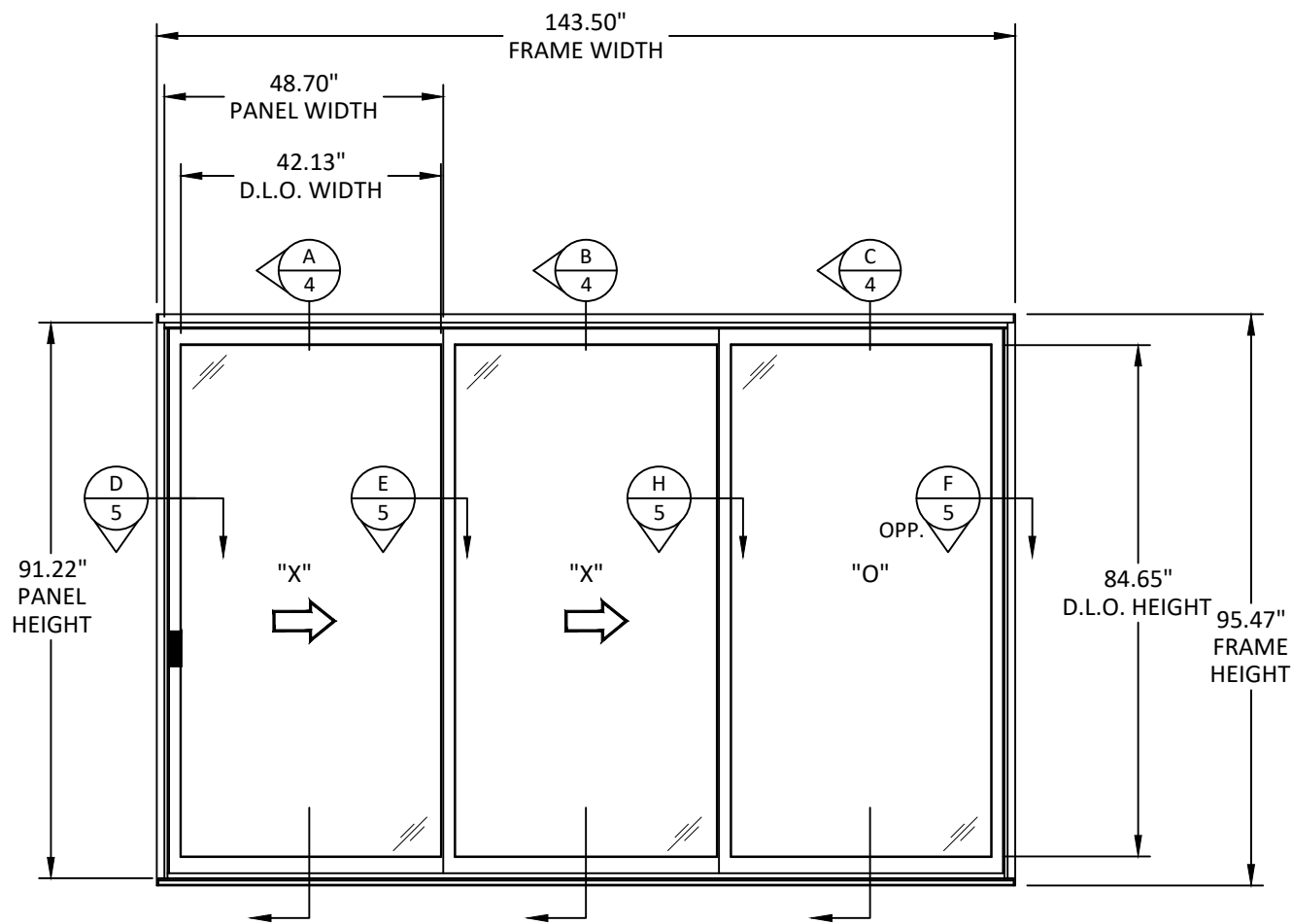
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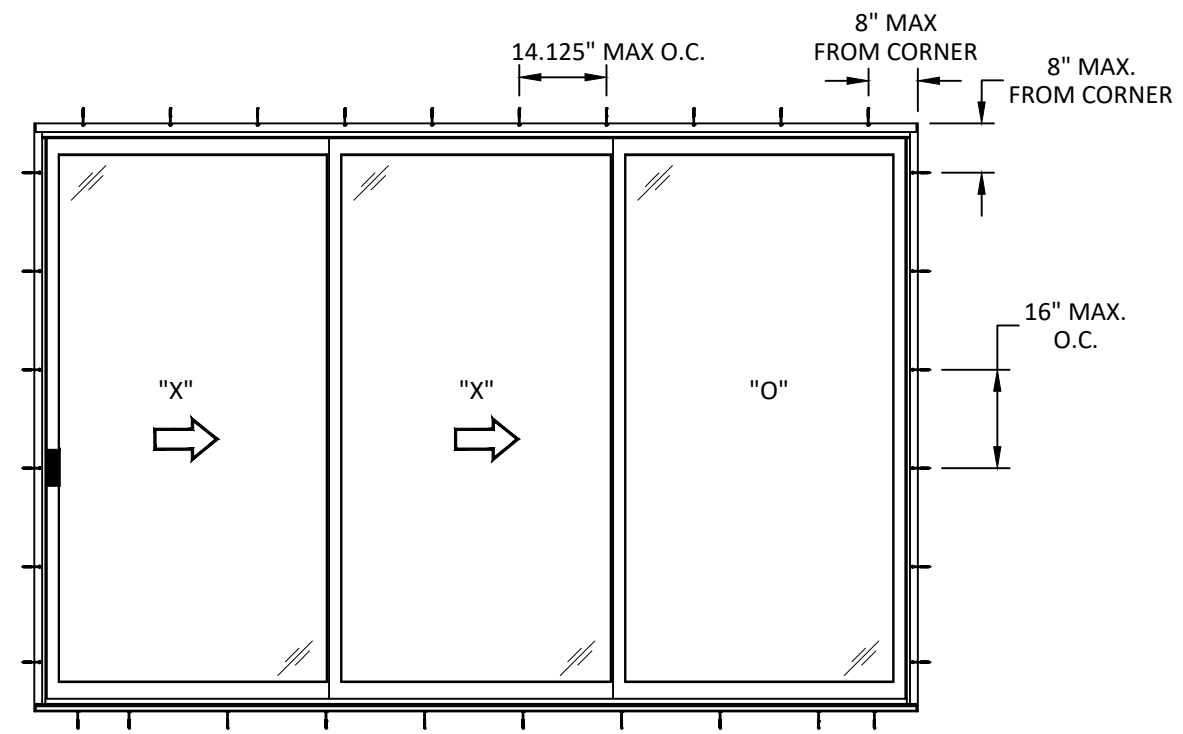
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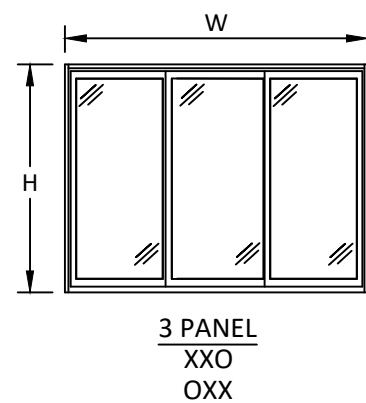


**ELEVATION**  
SLIDING DOOR



**ANCHOR LAYOUT**  
SLIDING DOOR  
STRAP ANCHOR

**QUALIFIED CONFIGURATIONS**



**NOTE:**

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

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724 BRICKWORKS DRIVE  
LEETSDALE, PA 15056  
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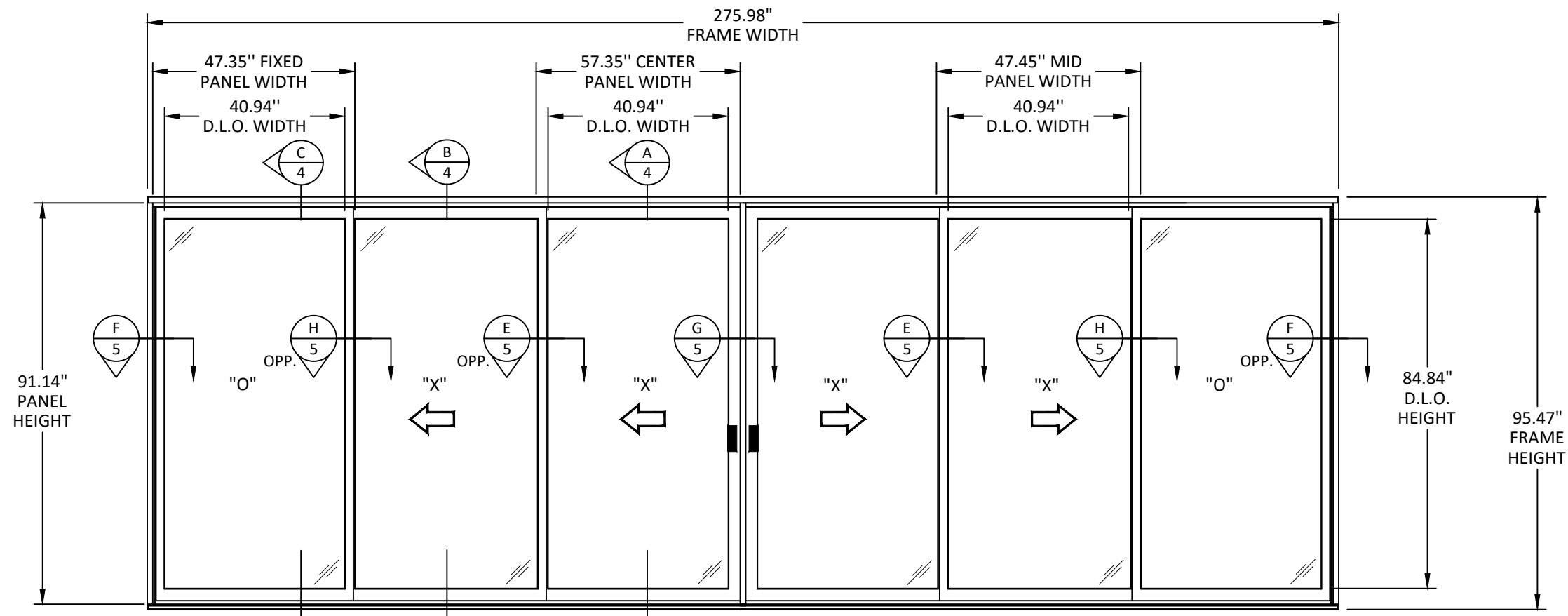
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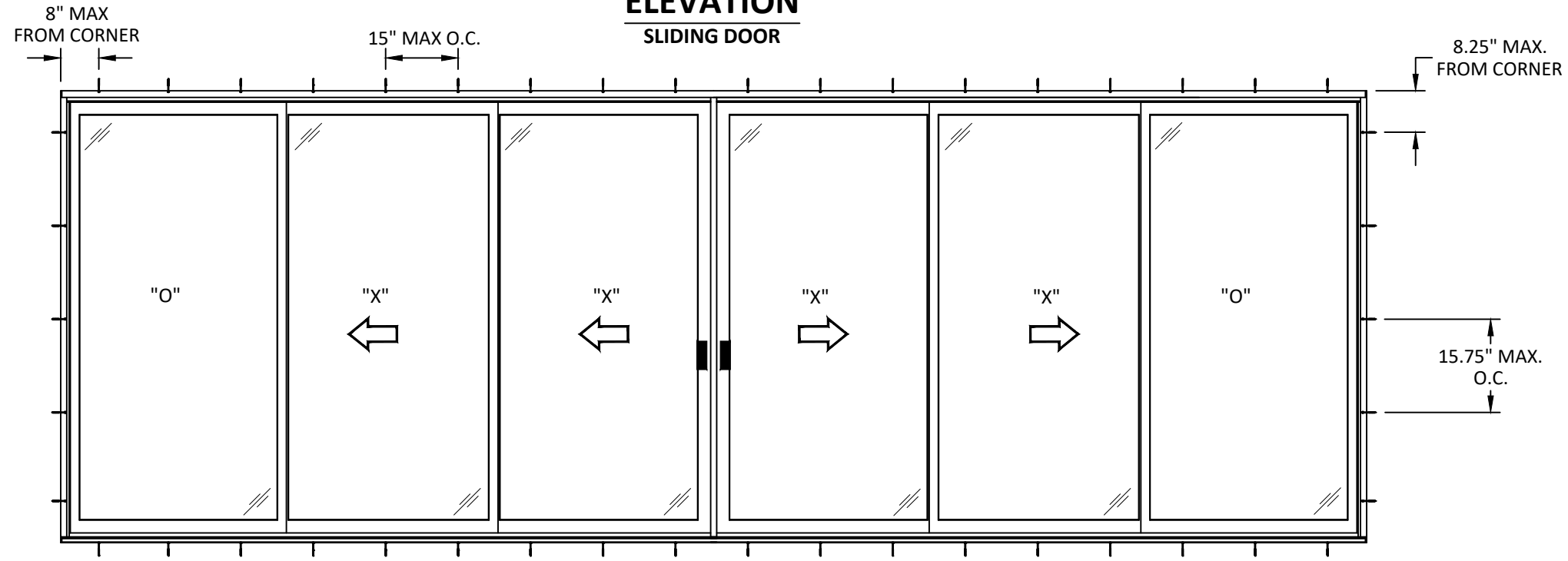
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**ELEVATION**  
SLIDING DOOR



**ANCHOR LAYOUT**  
SLIDING DOOR  
STRAP ANCHOR

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



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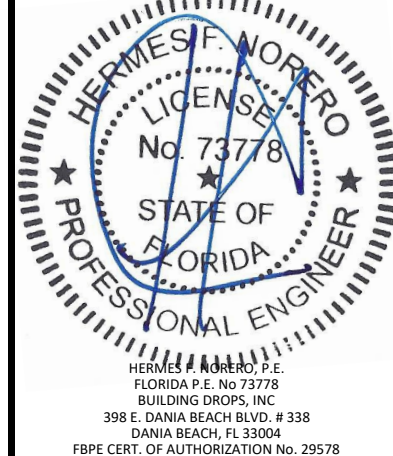
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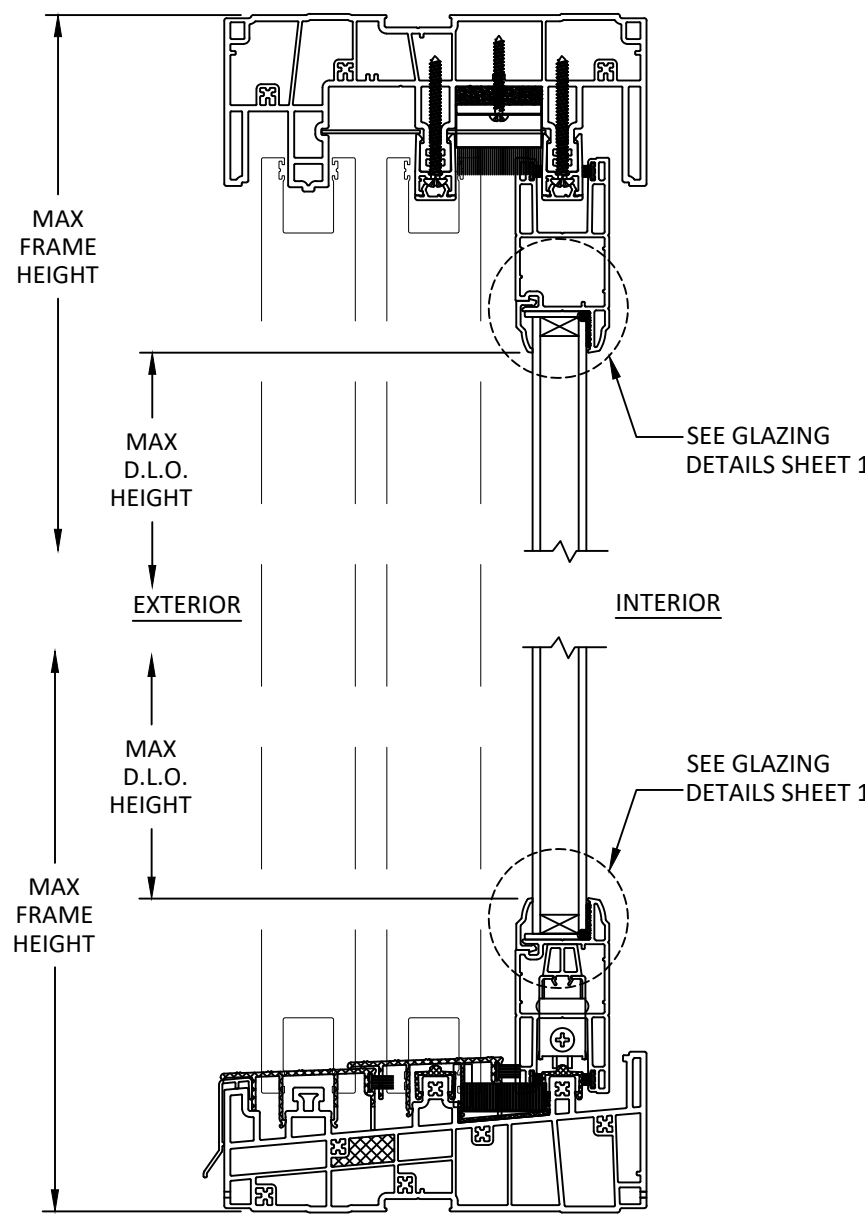
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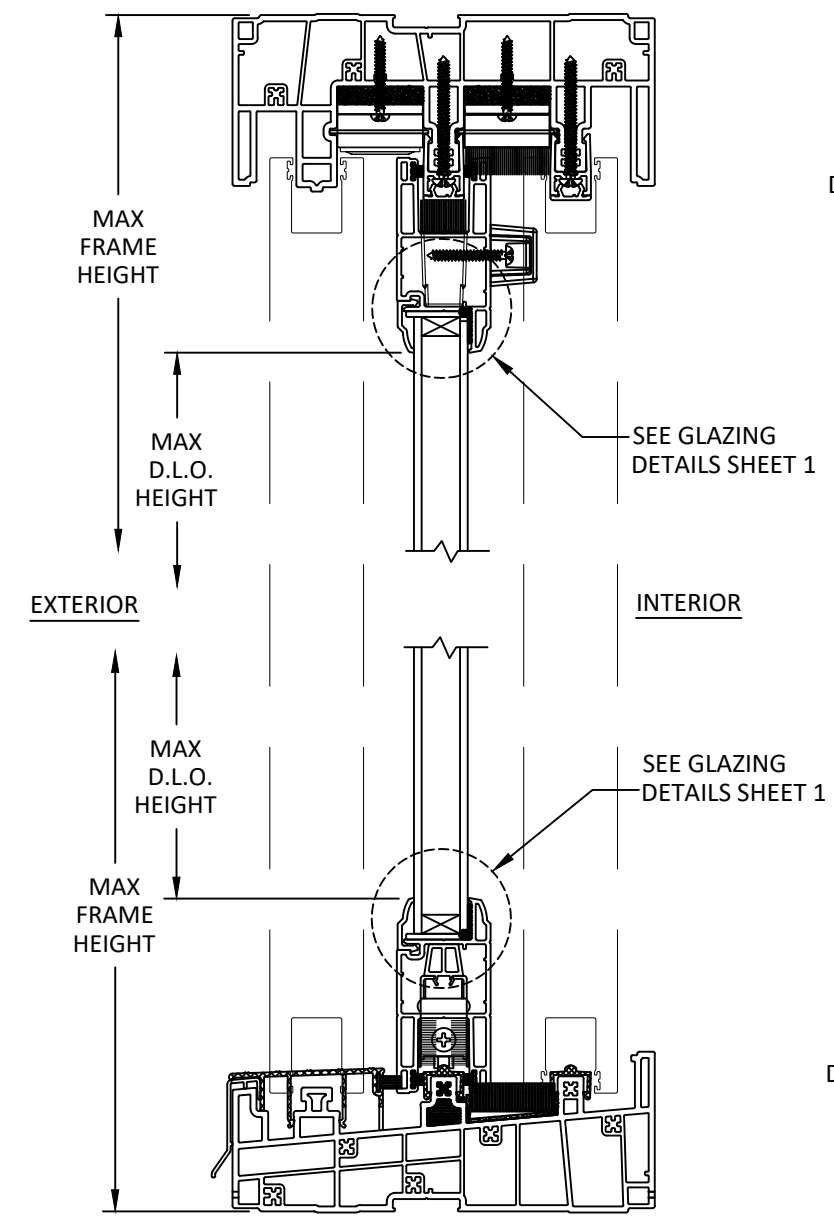
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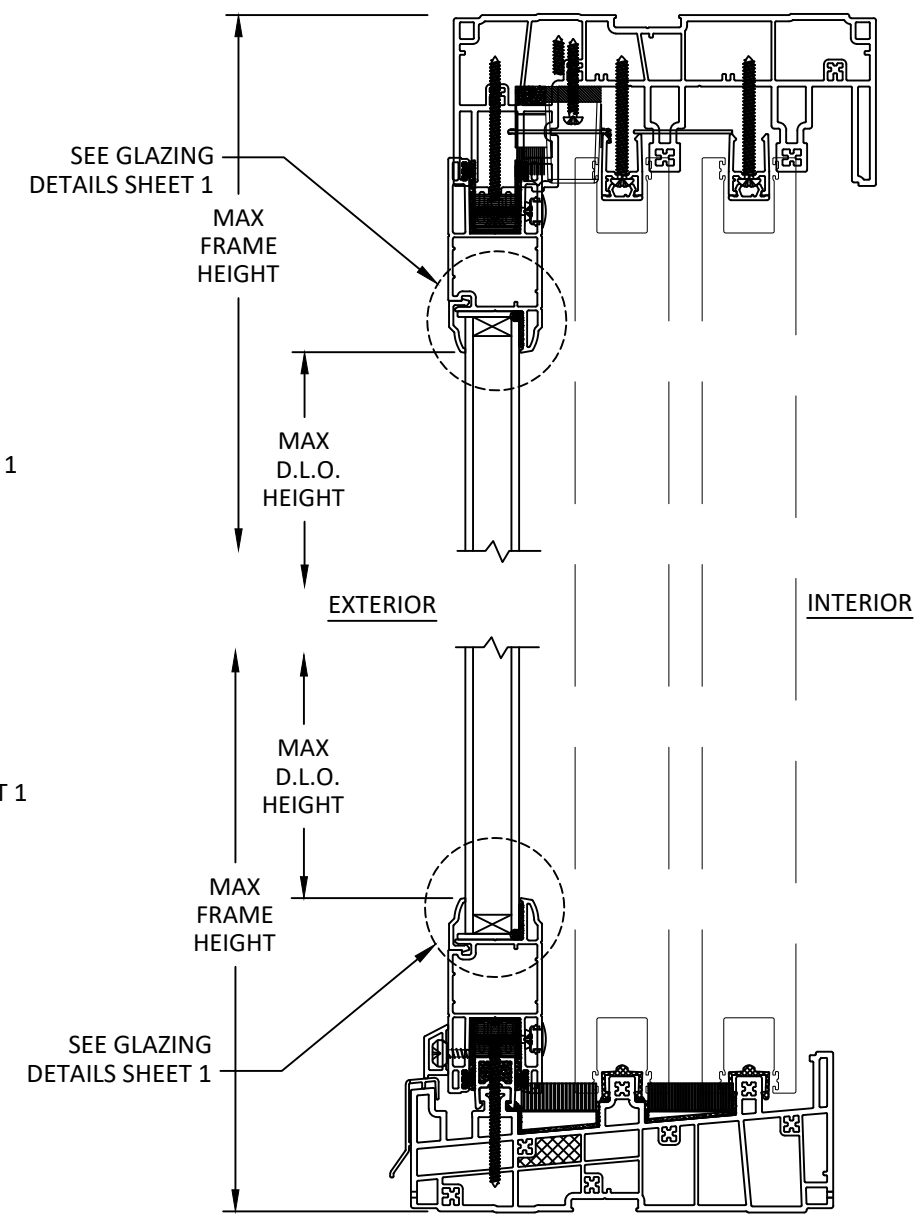
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**A**  
**4**  
**VERTICAL SECTION**  
 OPERABLE PANEL



**B**  
**4**  
**VERTICAL SECTION**  
 OPERABLE PANEL



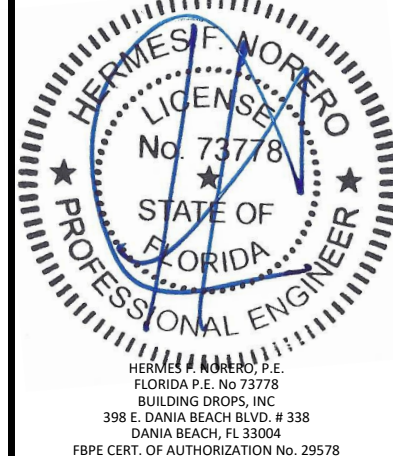
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**VERTICAL SECTION**  
 FIXED PANEL

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 VERTICAL SECTIONS

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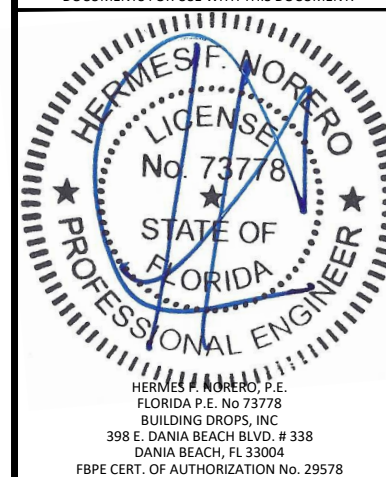
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HORIZONTAL SECTIONS

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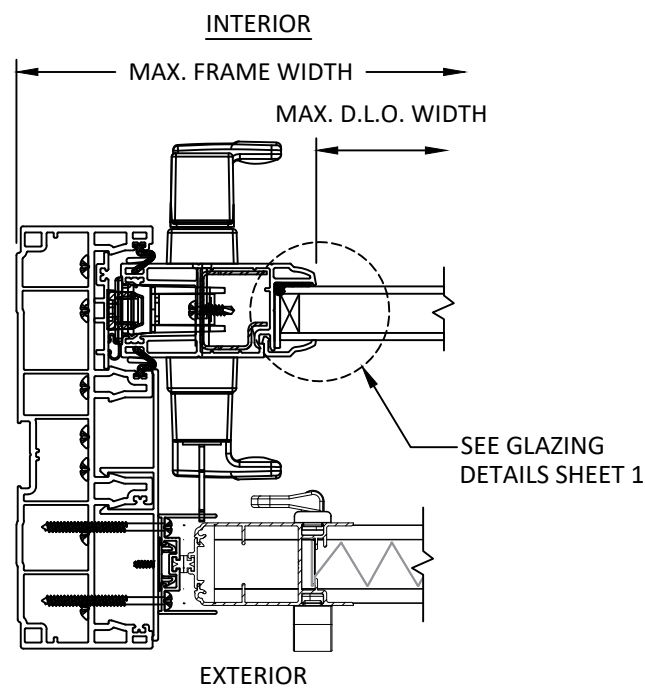
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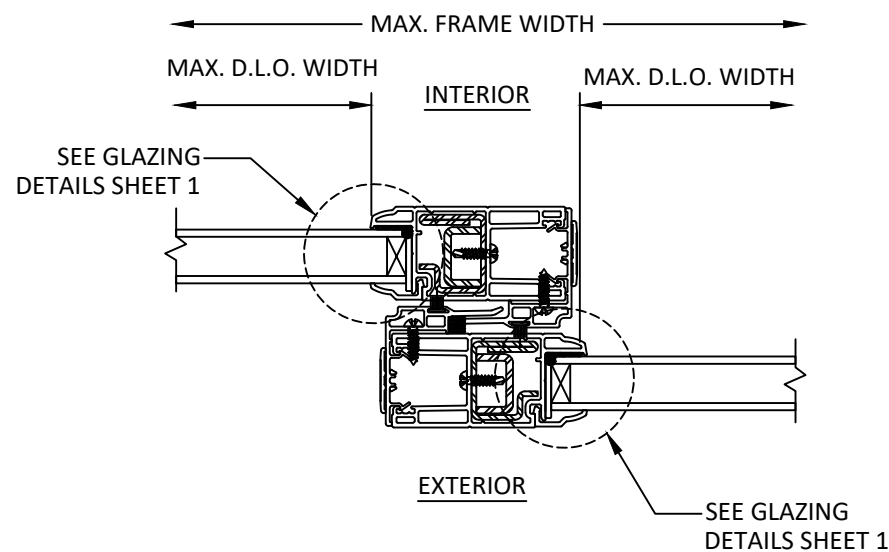
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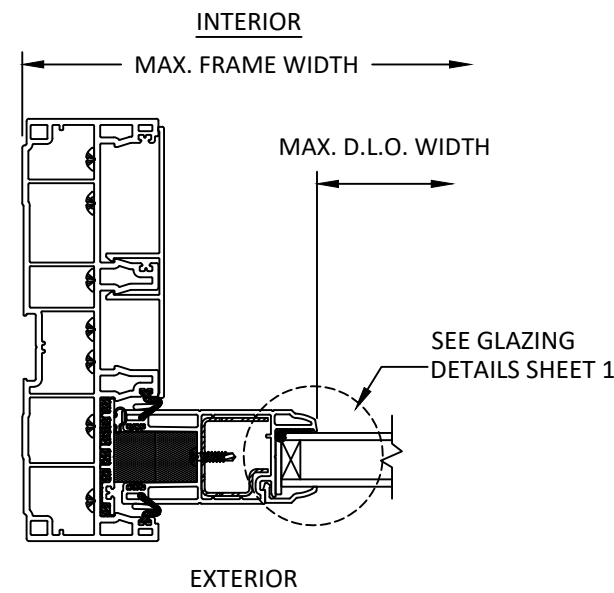
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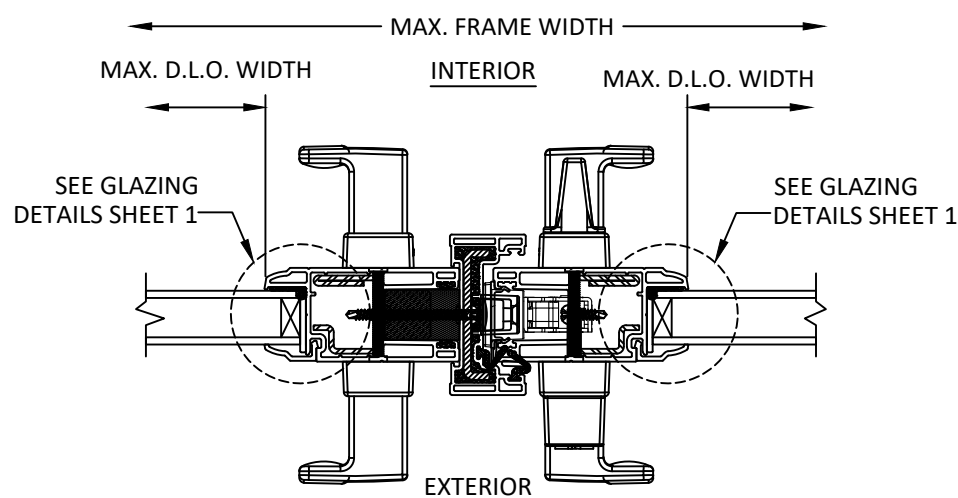
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**HORIZONTAL SECTION**  
LOCK JAMB



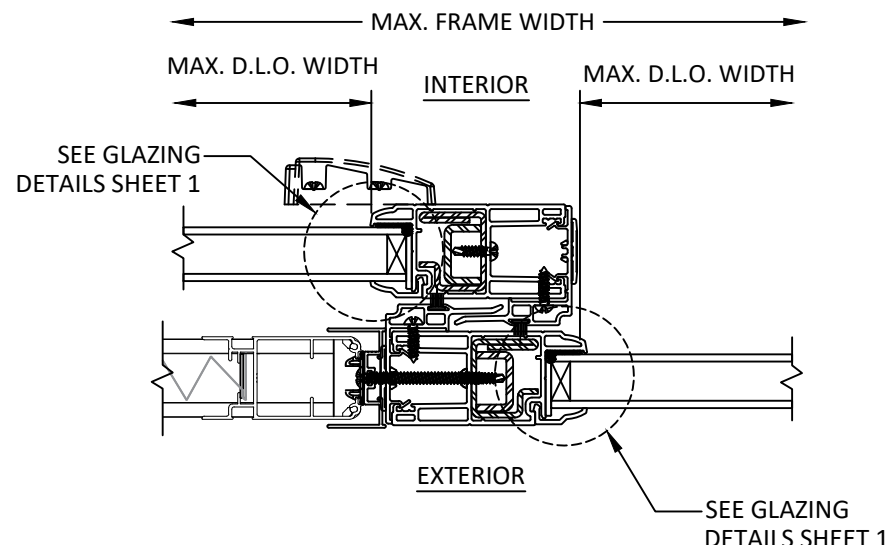
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**HORIZONTAL SECTION**  
INTERLOCK



**F**  
**5**  
**HORIZONTAL SECTION**  
FIXED JAMB



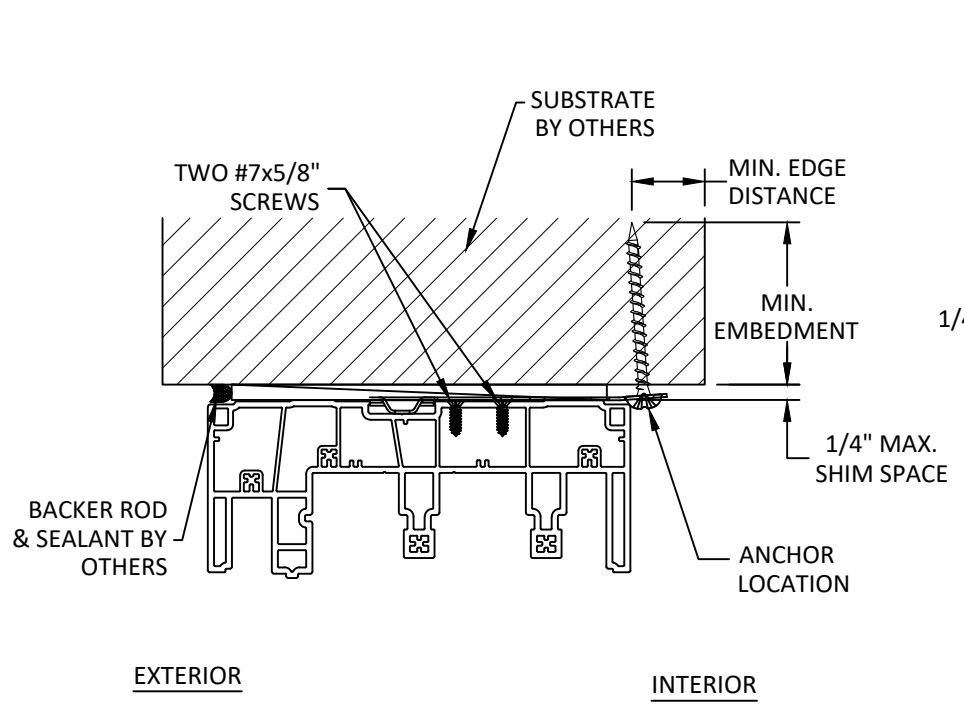
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**HORIZONTAL SECTION**  
MEETING STILES



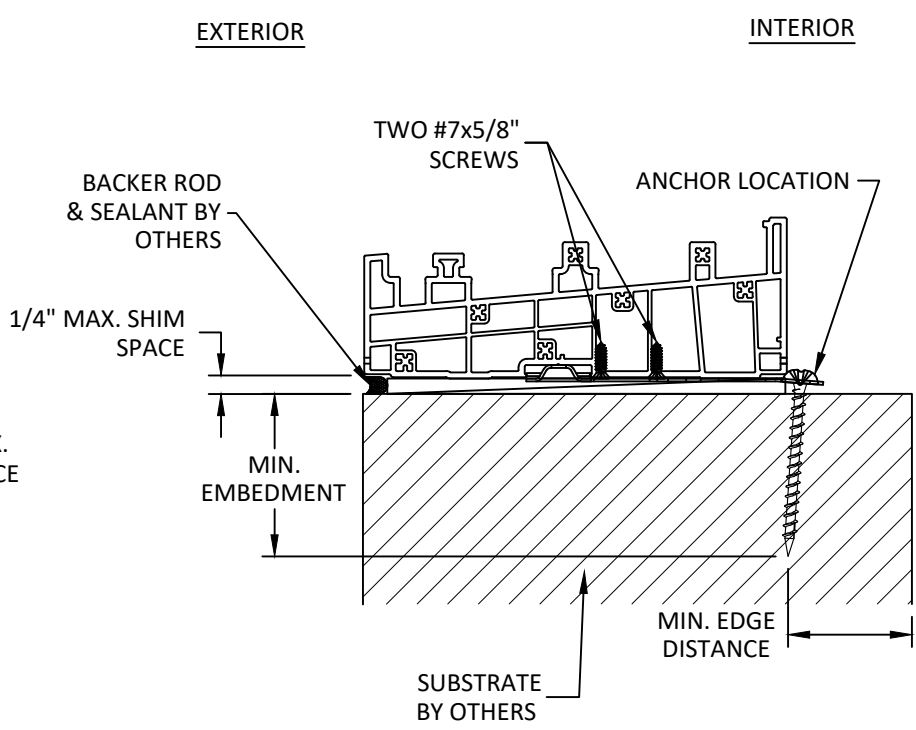
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**HORIZONTAL SECTION**  
INTERLOCK

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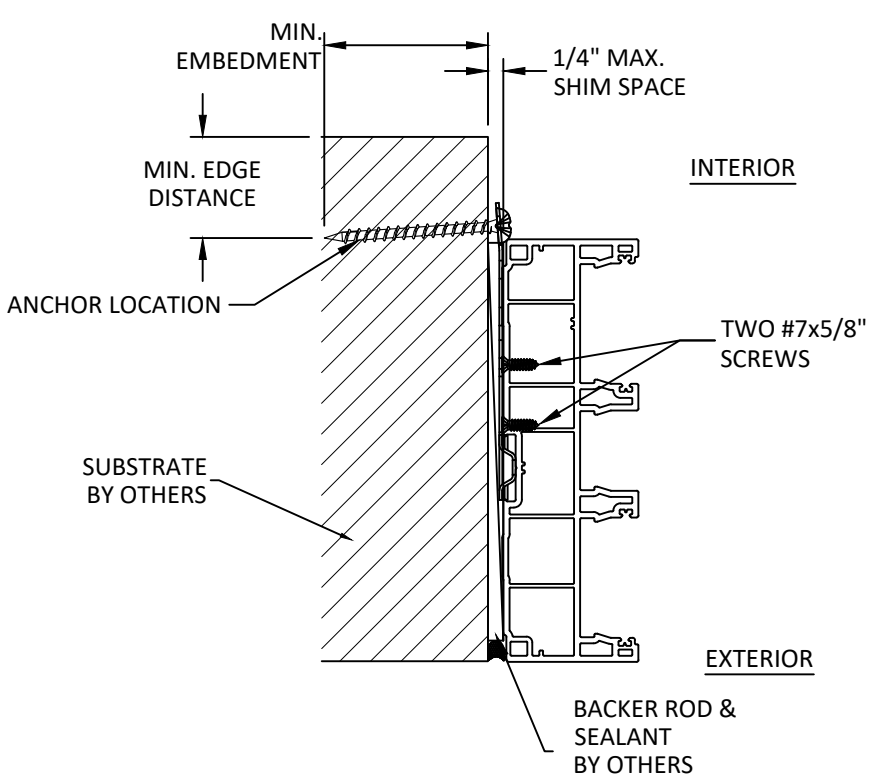
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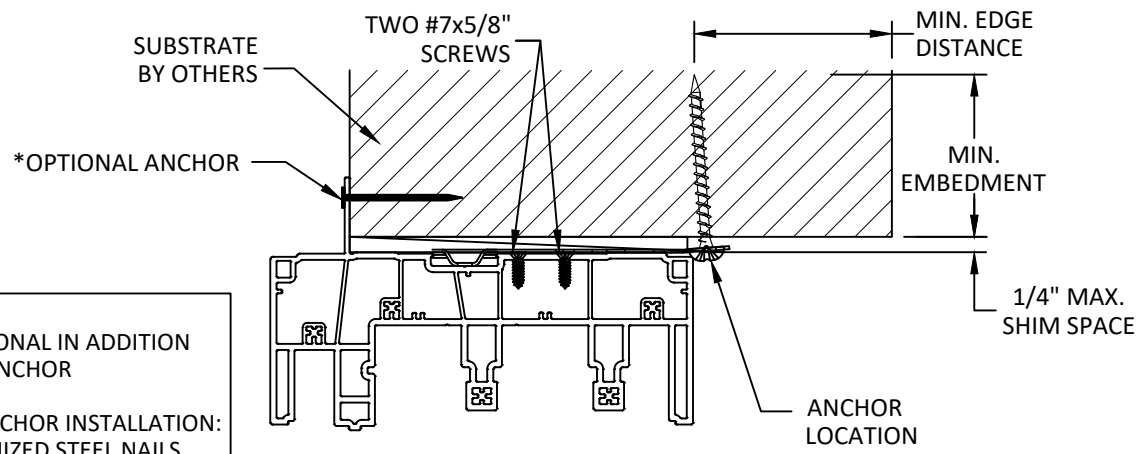
**A**  
**6** ANCHOR DETAIL  
STRAP ANCHOR



**B**  
**6** ANCHOR DETAIL  
STRAP ANCHOR



**C**  
**6** ANCHOR DETAIL  
STRAP ANCHOR



**D**  
**6** ANCHOR DETAIL  
OPTIONAL NAIL FIN

NOTE :  
NAIL FIN IS OPTIONAL IN ADDITION TO THE STRAP ANCHOR

FOR NAIL FIN ANCHOR INSTALLATION:  
USE #11 GALVANIZED STEEL NAILS,  
#6D GALVANIZED STEEL NAILS, OR  
#6 WOOD SCREWS  
8" FROM FIN CORNERS  
10.875" O.C.

**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 ±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
STRAP	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	1/4" 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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SHEET 6