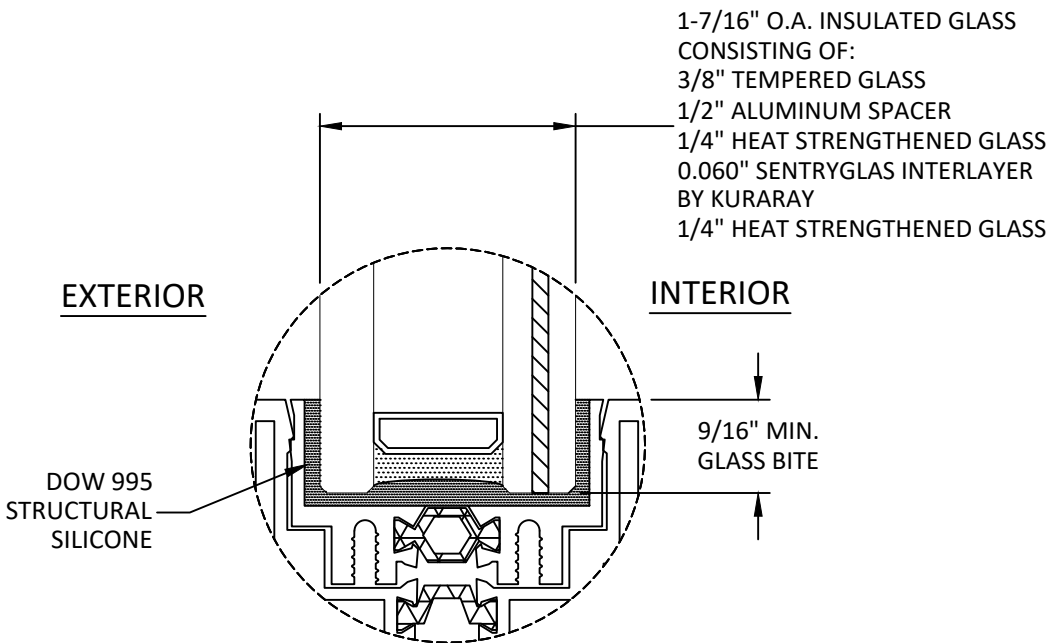


PanoramAH! AMERICA, LLC

ah!38 OUTSWING PIVOT DOOR (HVHZ)(IMPACT)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- DOOR FRAME MATERIAL: ALUMINUM 6063-T5
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.



GLAZING DETAIL 1

GLAZING NOTES:

- GLASS TYPE COMPLIES WITH ASTM E1300 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.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES & GLAZING DETAIL
2	"XX" ELEVATION & DESIGN PRESSURE TABLE
3	"X" ELEVATION & DESIGN PRESSURE TABLE
4	"OXO" ELEVATION & DESIGN PRESSURE TABLE
5	ANCHOR LAYOUTS
6	ANCHOR LAYOUT
7	VERTICAL SECTIONS
8	HORIZONTAL SECTIONS
9	INSTALLATION NOTES & ANCHOR DETAILS

DESIGN PRESSURE RATING (PSF)				
CONFIGURATION	WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
XX	SEE TABLE ON SHEET 2			LARGE & SMALL MISSILE IMPACT
X	SEE TABLE ON SHEET 3			
OXO	SEE TABLE ON SHEET 4			

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PIVOT DOOR
(HVHZ)(IMPACT)
GENERAL NOTES &
GLAZING DETAIL

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.10.02 19:30:44 -07'00'



FL #:

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SH

CHK. BY:
HFN

SCALE: NTS

DWG. #: PAN013

SECTION:

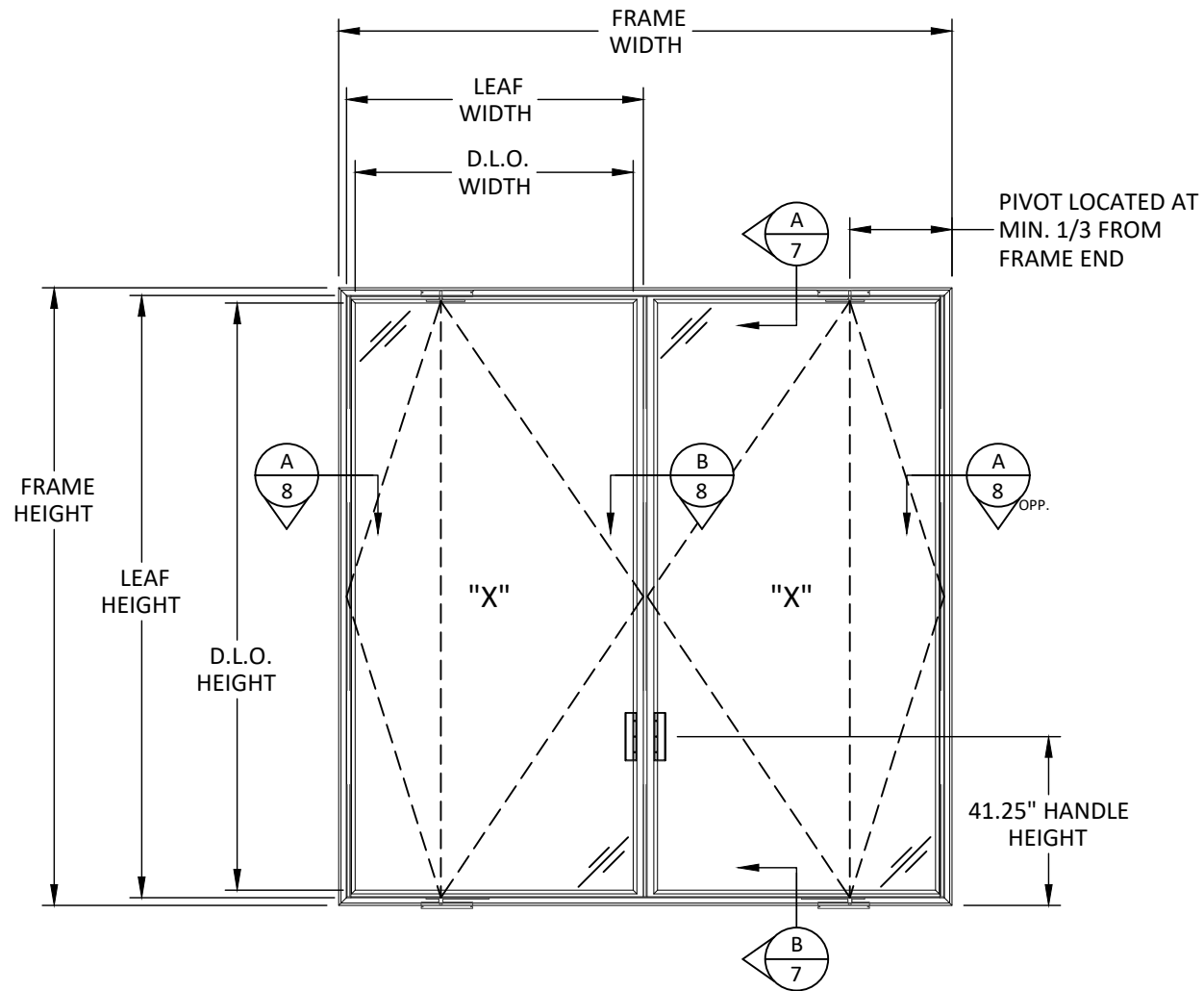
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"XX" ELEVATION
TYPICAL

D.L.O. HEIGHT = FRAME HEIGHT - 7.50"
D.L.O. WIDTH = FRAME WIDTH/2 - 7.00"
LEAF HEIGHT = FRAME HEIGHT - 4.25"
LEAF WIDTH = FRAME WIDTH/2 - 1.625"

FRENCH PIVOT DOOR ALLOWABLE DESIGN PRESSURE (PSF)												
FRAME HEIGHT (IN.)	FRAME WIDTH (IN.)											
		66	78	90	102	114	126	138	150	162	174	186
	85	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.9	48.5	48.5
	91	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.9	47.4	45.3
	97	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.9	47.4	44.4
	103	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.9	47.4	44.4
	109	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.9	47.4	44.4
	115	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.9	47.4	44.4
	121	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.9	47.4	44.4
	127	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.9	47.4	-
	133	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.9	-	-
	139	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	50.9	-	-
	145	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	-	-	-
	151	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	-	-	-

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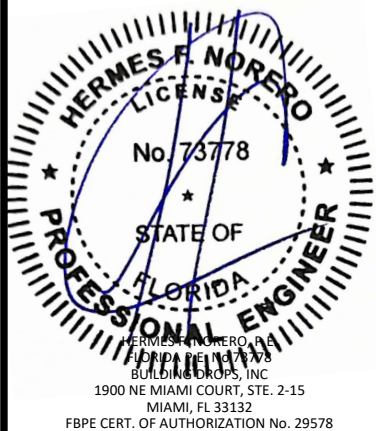
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PIVOT DOOR
(HVHZ)(IMPACT)
"XX" ELEVATION & DESIGN
PRESSURE TABLE

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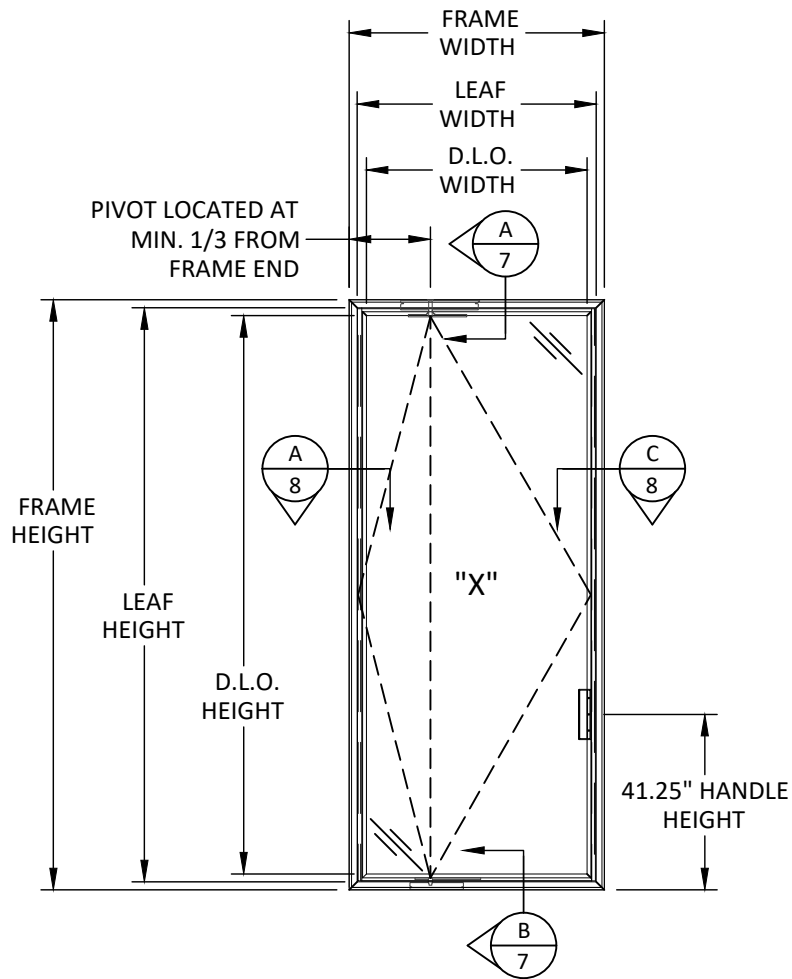
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"X" ELEVATION
TYPICAL

D.L.O. HEIGHT = FRAME HEIGHT - 7.50"
D.L.O. WIDTH = FRAME WIDTH - 9.50"
LEAF HEIGHT = FRAME HEIGHT - 4.25"
LEAF WIDTH = FRAME WIDTH - 4.125"

SINGLE PIVOT DOOR ALLOWABLE DESIGN PRESSURE (PSF)												
FRAME HEIGHT (IN.)	FRAME WIDTH (IN.)											
		33	39	45	51	57	63	69	75	81	87	93
	85	75.0	69.2	65.0	65.0	65.0	61.9	56.5	55.0	50.9	48.5	48.5
	91	75.0	65.0	65.0	65.0	65.0	61.9	56.5	55.0	50.9	47.4	45.3
	97	75.0	65.0	65.0	65.0	65.0	61.9	56.5	55.0	50.9	47.4	44.4
	103	75.0	65.0	65.0	65.0	65.0	61.9	56.5	55.0	50.9	47.4	44.4
	109	65.0	65.0	65.0	65.0	65.0	61.9	56.5	55.0	50.9	47.4	44.4
	115	65.0	65.0	65.0	65.0	65.0	61.9	56.5	55.0	50.9	47.4	44.4
	121	65.0	65.0	65.0	65.0	65.0	61.9	55.0	55.0	50.9	47.4	44.4
	127	65.0	65.0	65.0	65.0	65.0	61.9	55.0	55.0	50.9	47.4	-
	133	65.0	65.0	65.0	65.0	65.0	55.0	55.0	55.0	50.9	-	-
	139	65.0	65.0	65.0	65.0	65.0	55.0	55.0	55.0	50.9	-	-
	145	65.0	65.0	65.0	65.0	55.0	55.0	55.0	55.0	-	-	-
	151	65.0	65.0	65.0	65.0	55.0	55.0	55.0	55.0	-	-	-
	157	65.0	65.0	65.0	65.0	55.0	55.0	55.0	-	-	-	-
	163	65.0	65.0	65.0	55.0	55.0	55.0	55.0	-	-	-	-
	169	65.0	65.0	65.0	55.0	55.0	55.0	-	-	-	-	-
	175	65.0	65.0	65.0	55.0	55.0	55.0	-	-	-	-	-

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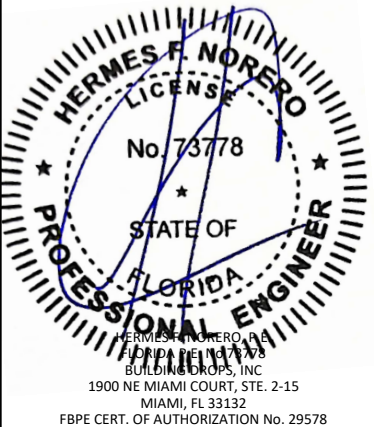
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(HVHZ)(IMPACT)
"X" ELEVATION & DESIGN
PRESSURE TABLE

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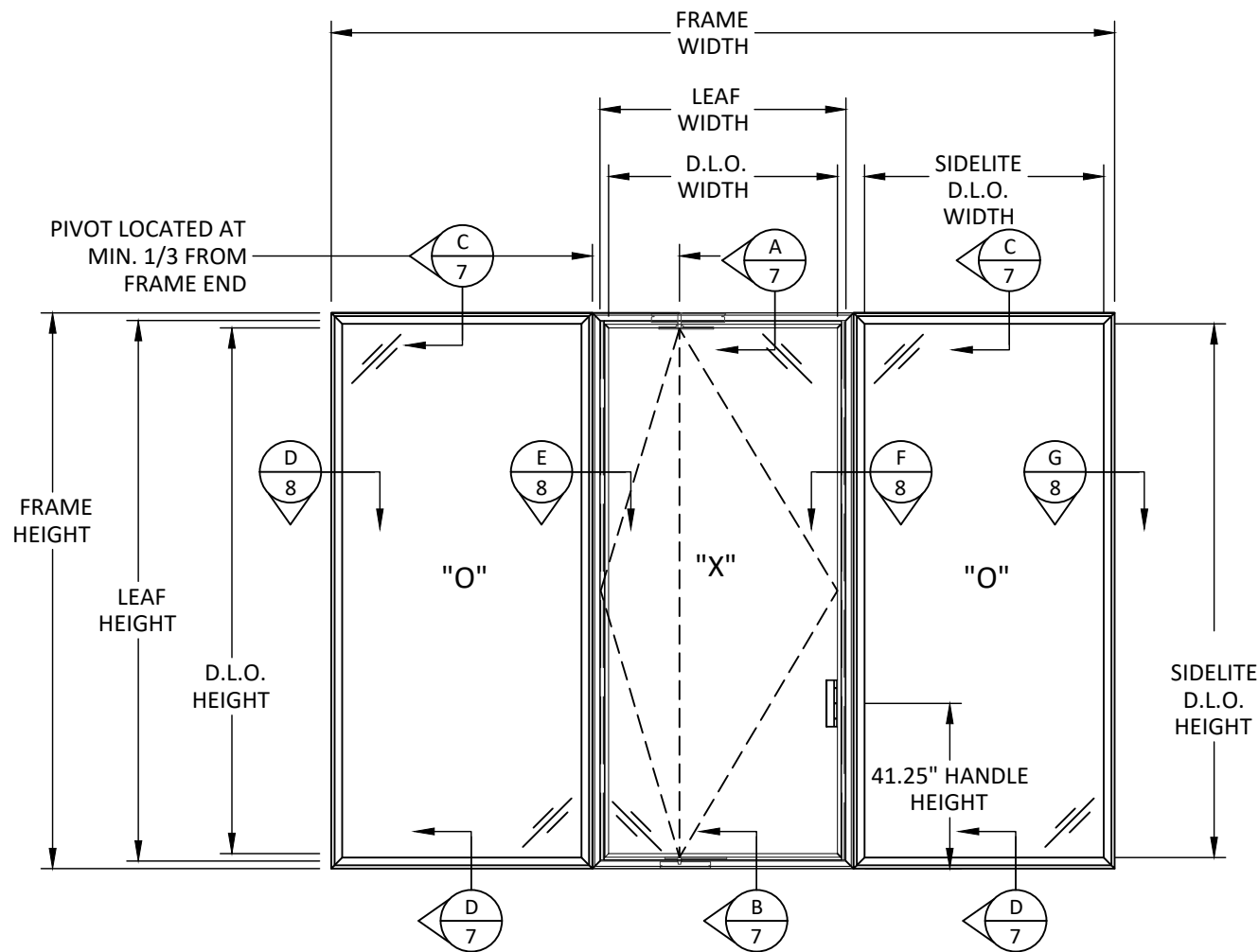
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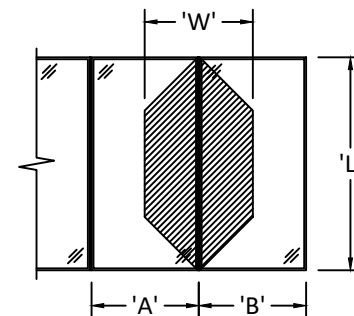
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"OXO" ELEVATION
TYPICAL

SIDELITE D.L.O. HEIGHT = FRAME HEIGHT - 3.78"
SIDELITE D.L.O. WIDTH = (FRAME WIDTH - LEAF WIDTH) / SIDELITE QTY. - 3.78

MULLION ALLOWABLE DESIGN PRESSURE (PSF)										
FRAME HEIGHT (IN.)	'W' - TRIBUTARY WIDTH (IN.)									
		36	45	48	60	72	84	96	108	120
	48	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	60	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	72	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	84	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	96	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	108	65.0	65.0	65.0	65.0	65.0	-	-	-	-
	120	65.0	65.0	65.0	65.0	-	-	-	-	-
	132	65.0	65.0	65.0	-	-	-	-	-	-
	144	65.0	65.0	-	-	-	-	-	-	-



- NOTE:
- DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - DESIGN PRESSURE OF ASSEMBLY IS LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION TABLE ABOVE OR TABLES ON SHEET 3.

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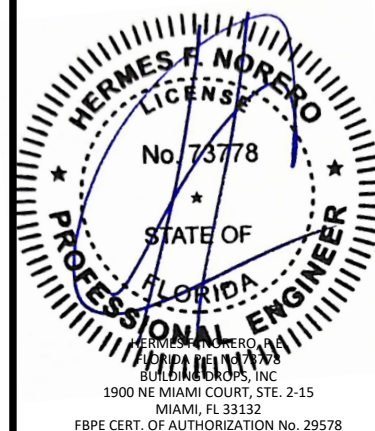
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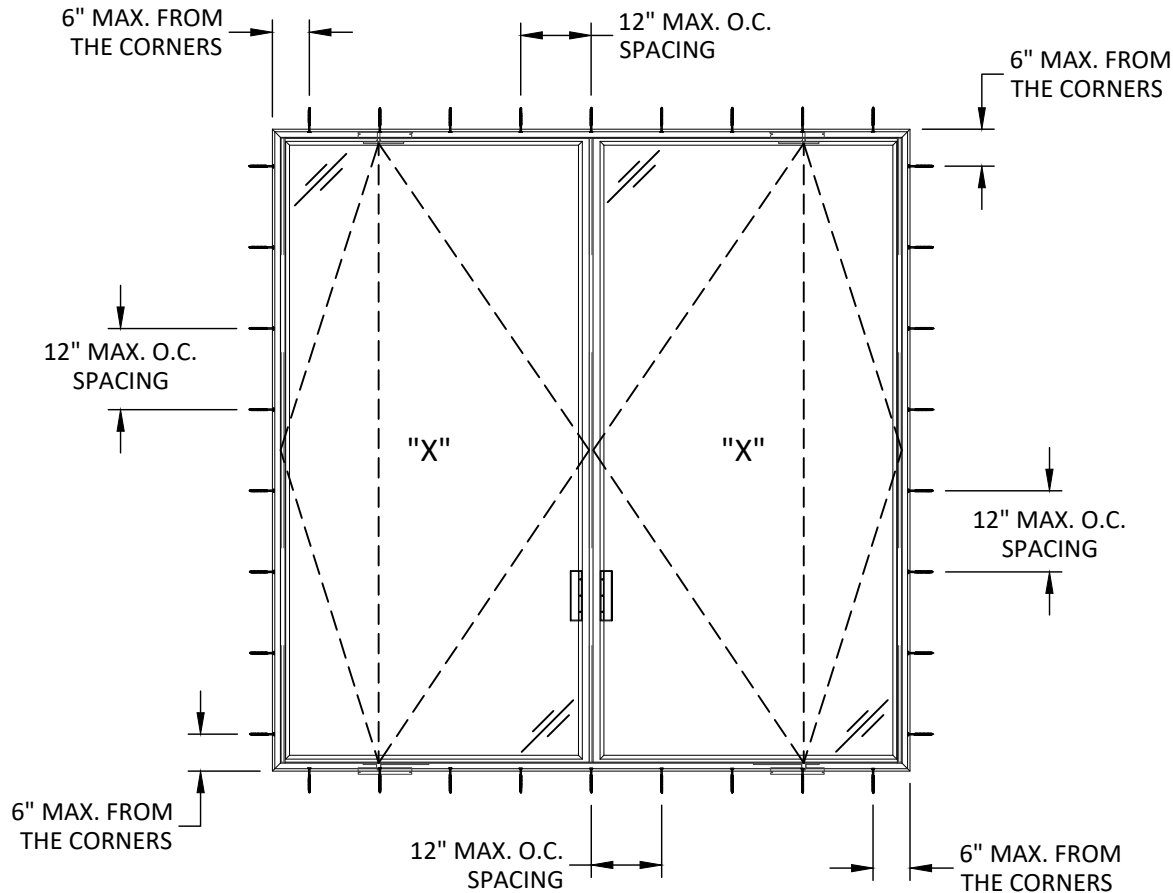
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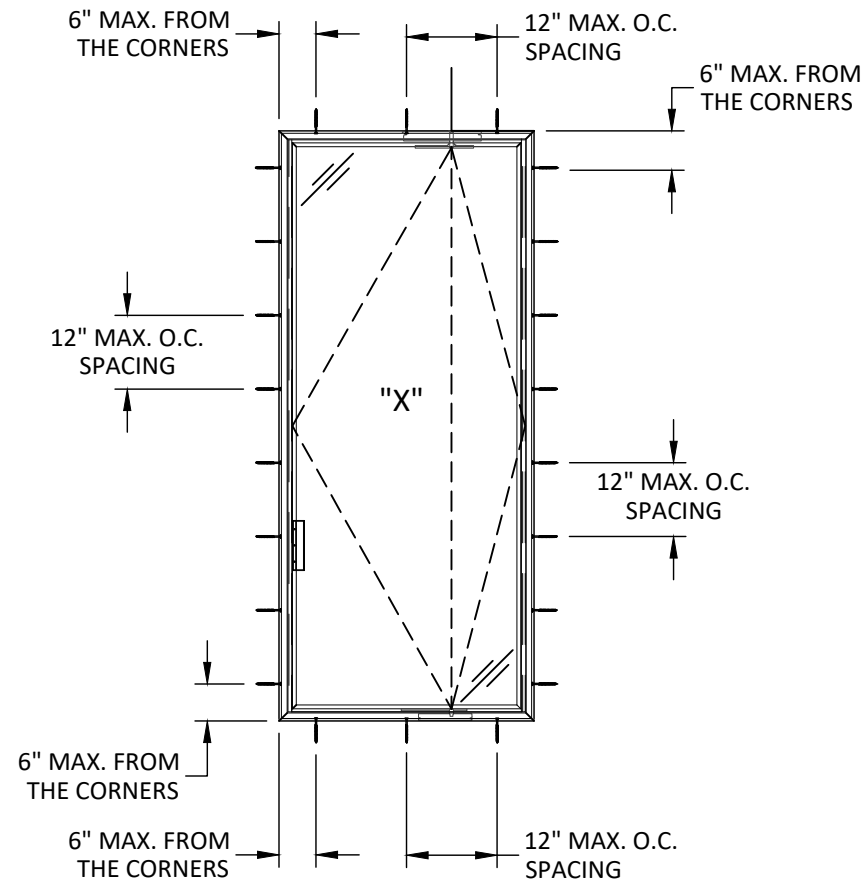
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"XX" ANCHOR LAYOUT
THROUGH FRAME INSTALLATION

NOTE: TWO (2) ANCHORS PER
LOCATION. NO ANCHORS THROUGH
PIVOT HARDWARE LOCATION.



"X" ANCHOR LAYOUT
THROUGH FRAME INSTALLATION



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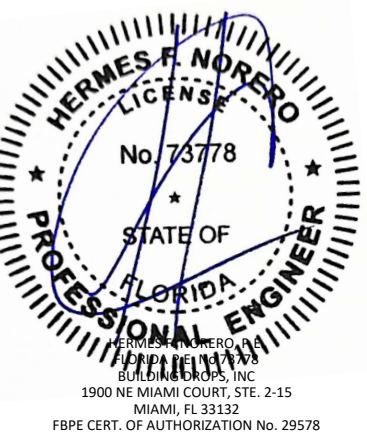
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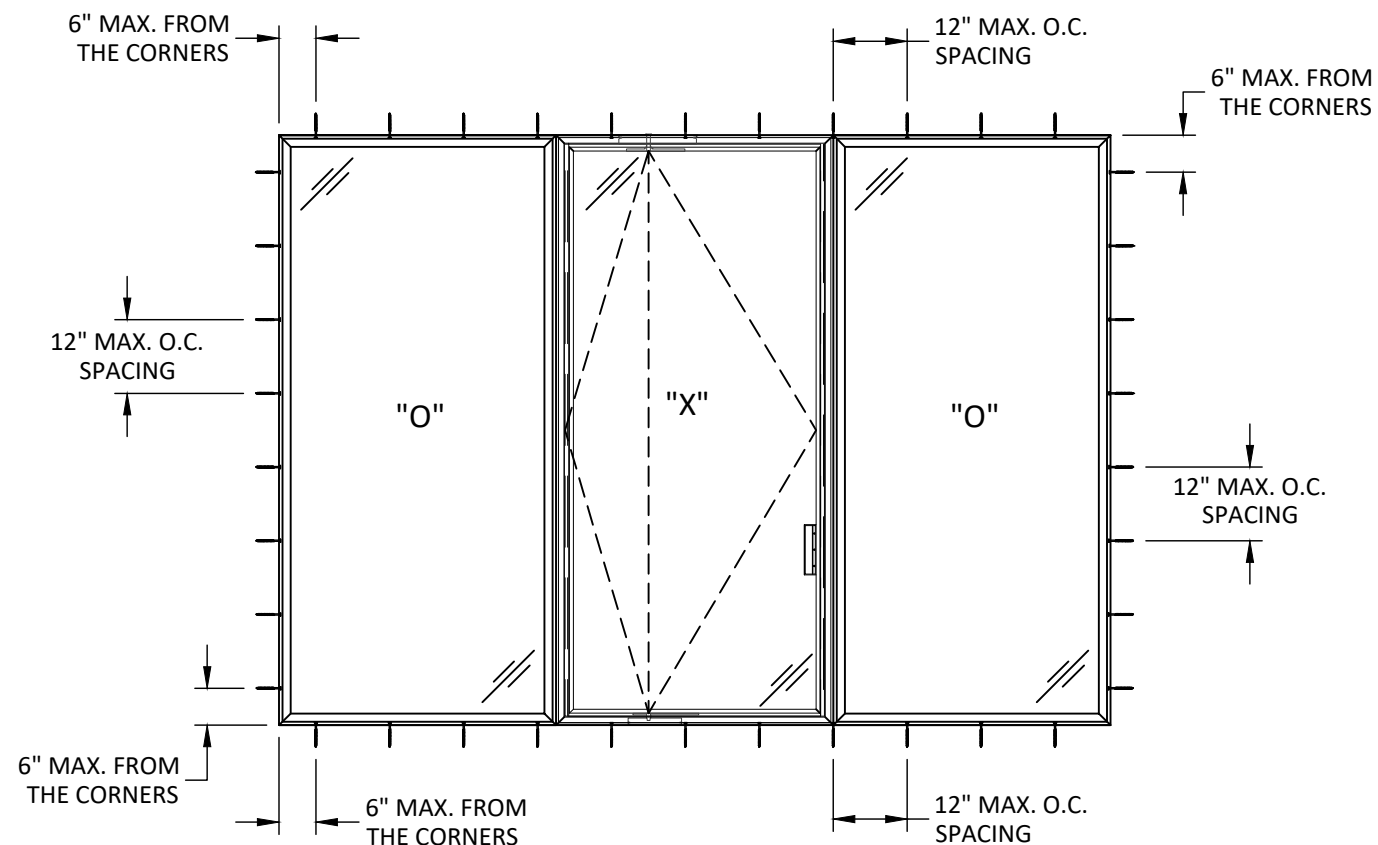
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"OXO" ANCHOR LAYOUT
THROUGH FRAME INSTALLATION

NOTE: TWO (2) ANCHORS PER
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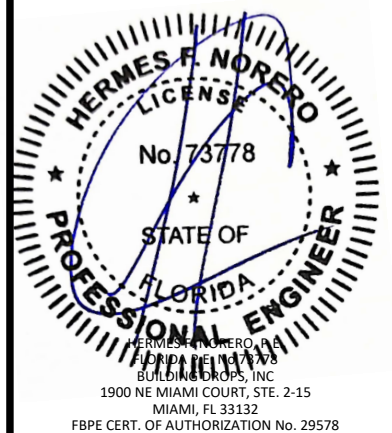
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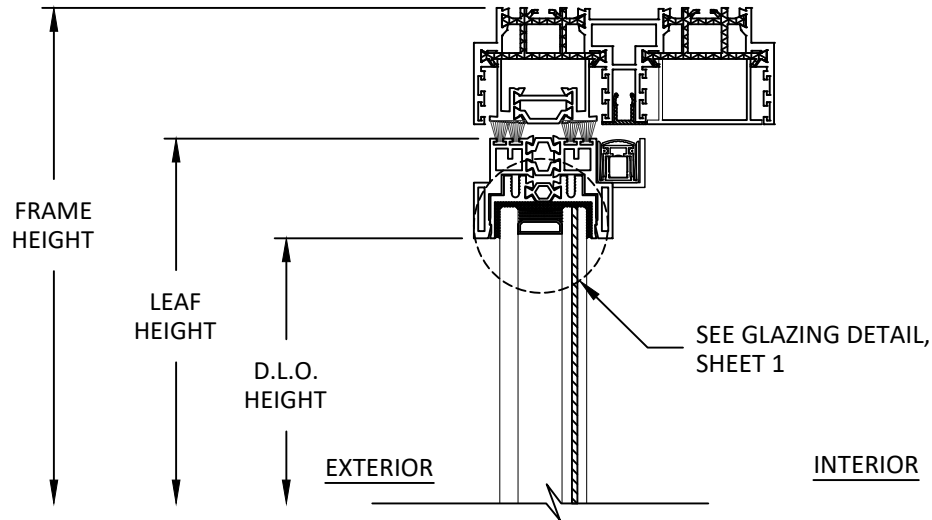
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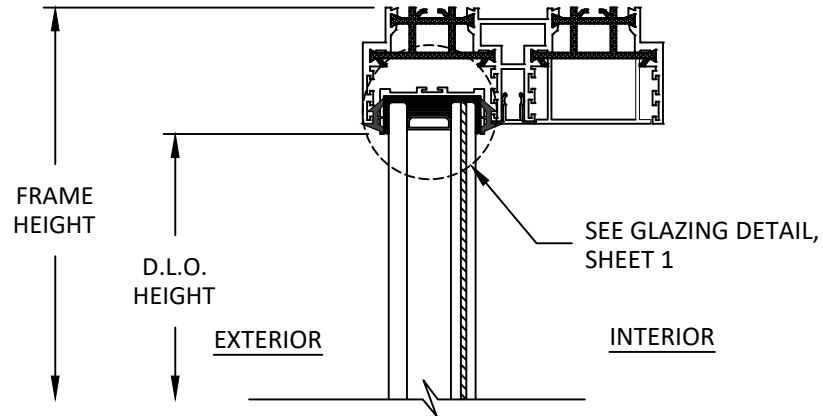


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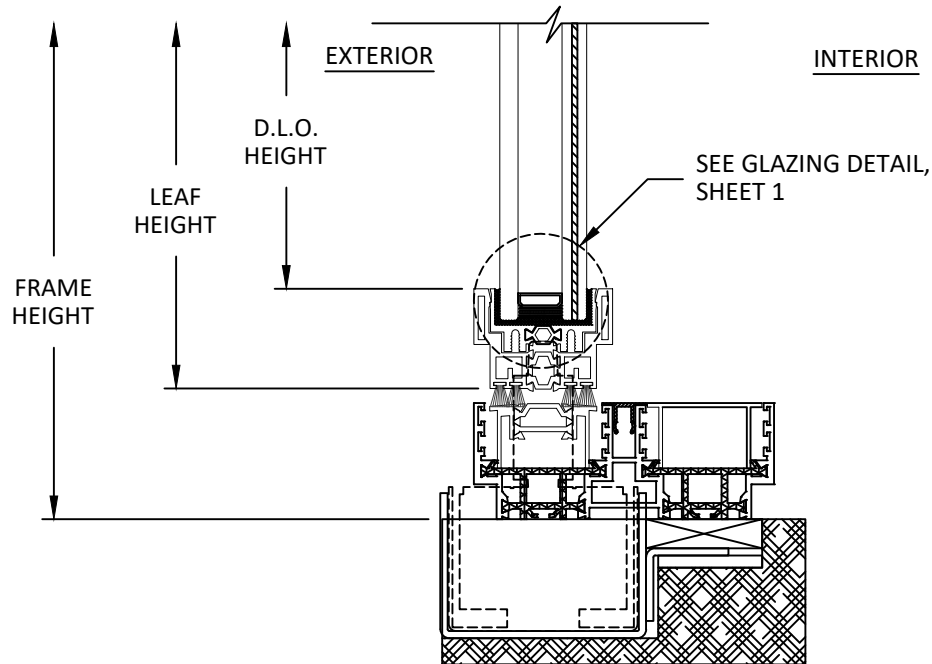
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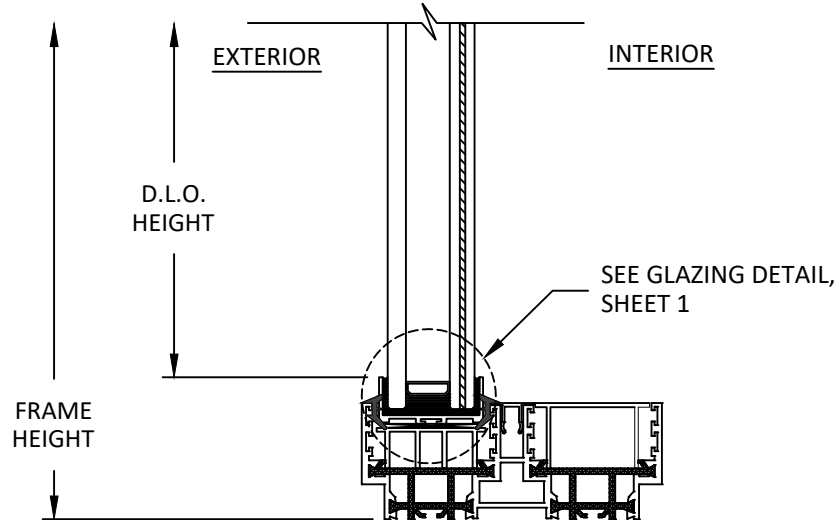
A
7 VERTICAL SECTION
PIVOT DOOR HEAD



C
7 VERTICAL SECTION
SIDELITE HEAD



B
7 VERTICAL SECTION
PIVOT DOOR SILL



D
7 VERTICAL SECTION
SIDELITE SILL

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PIVOT DOOR
(HVHZ)(IMPACT)

VERTICAL SECTIONS

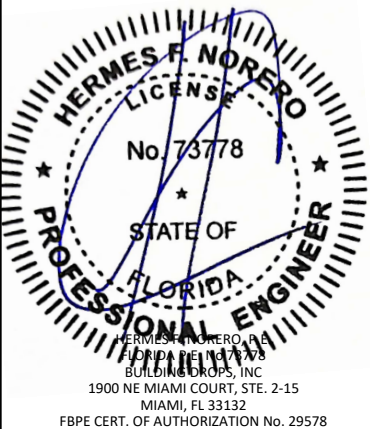
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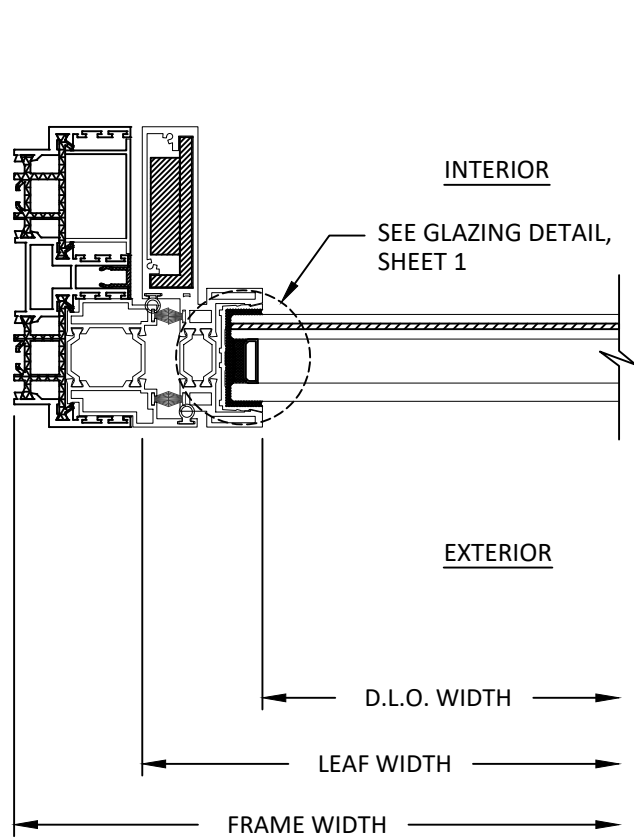
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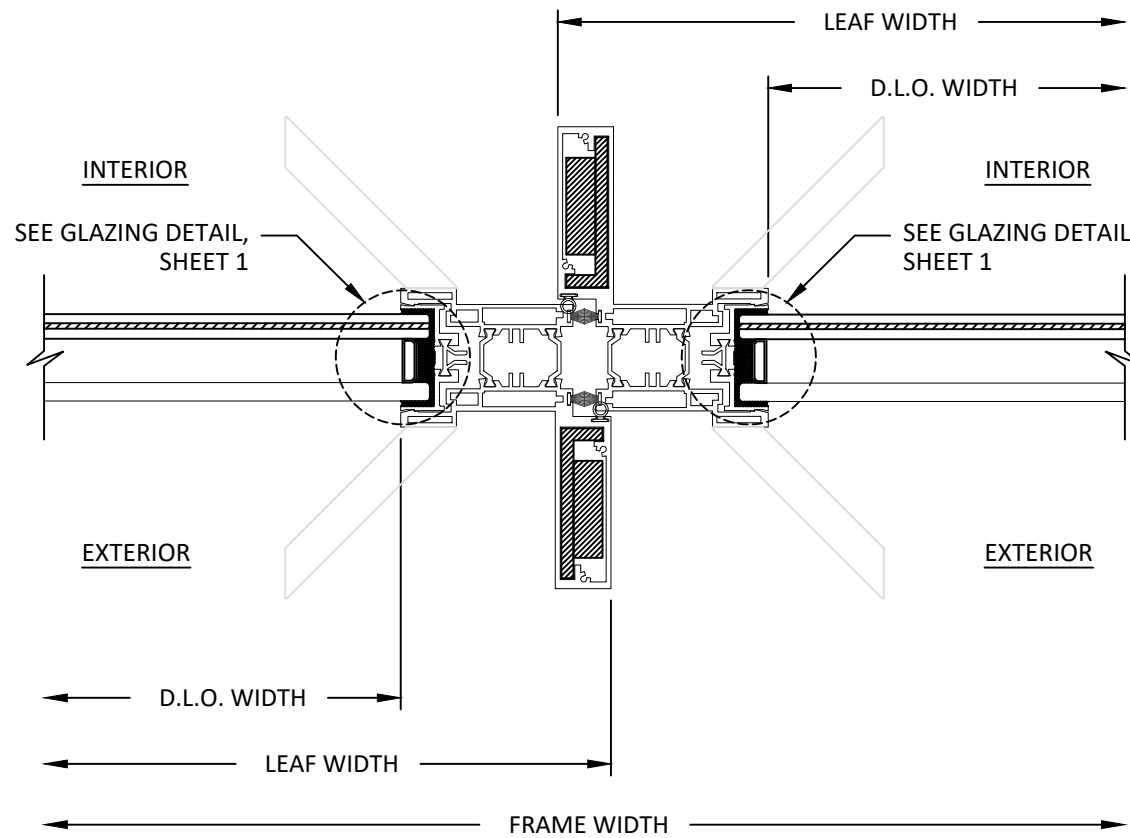
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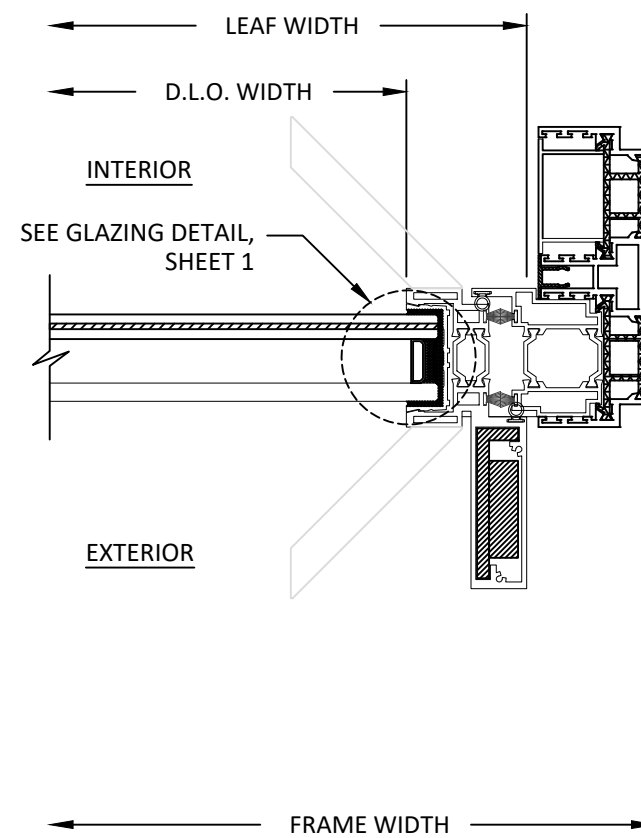
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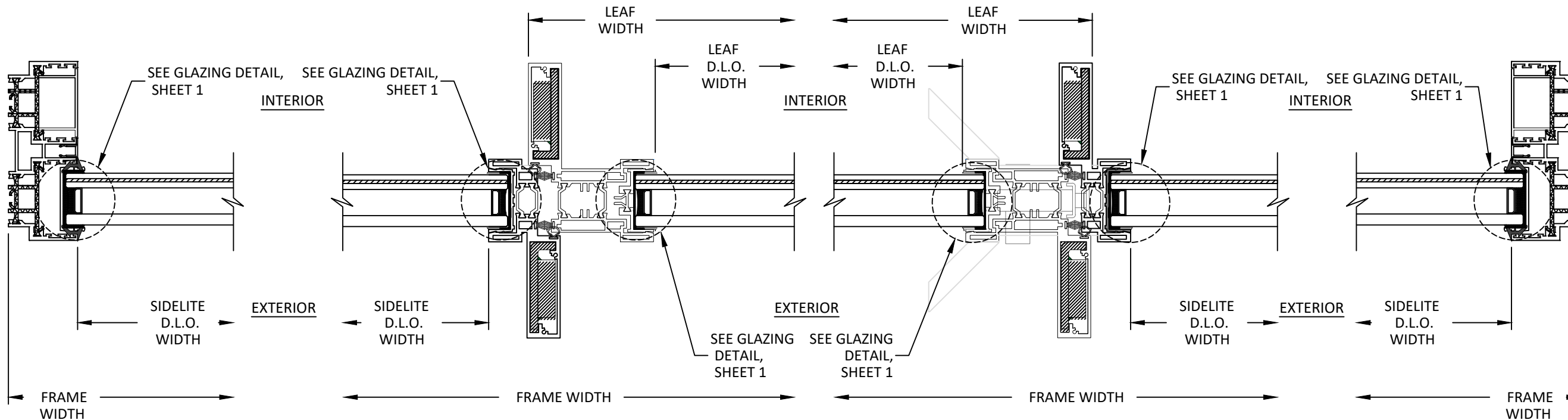
A
8 HORIZONTAL SECTION
JAMB



B
8 HORIZONTAL SECTION
MEETING STILE



C
8 HORIZONTAL SECTION
LOCK JAMB



D
8 HORIZONTAL SECTION
SIDELITE JAMB

E
8 HORIZONTAL SECTION
DOOR JAMB TO SIDELITE

F
8 HORIZONTAL SECTION
LOCK STILE TO SIDELITE JAMB

G
8 HORIZONTAL SECTION
SIDELITE JAMB

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1000 WOODBURY ROAD, STE. 206
WOODBURY, NY 11797
PH: (631)683-8580

TITLE: ah!38 OUTSWING
PIVOT DOOR
(HVHZ)(IMPACT)

HORIZONTAL SECTIONS

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

MIAMI, FL 33132

PH: (954)399-8478

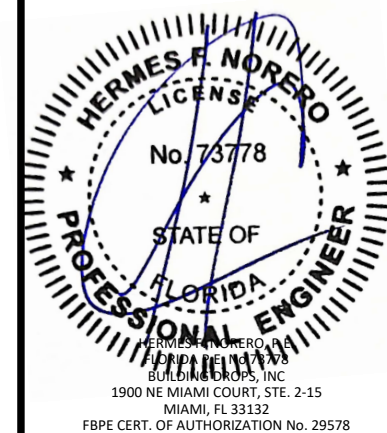
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REMARKS	BY	DATE
2026 FBC UPDATE	DB	08/26

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FL #: **FL46886**

DATE: **04.15.2024**

DWG. BY: **SH** CHK. BY: **HFN**

SCALE: **NTS**

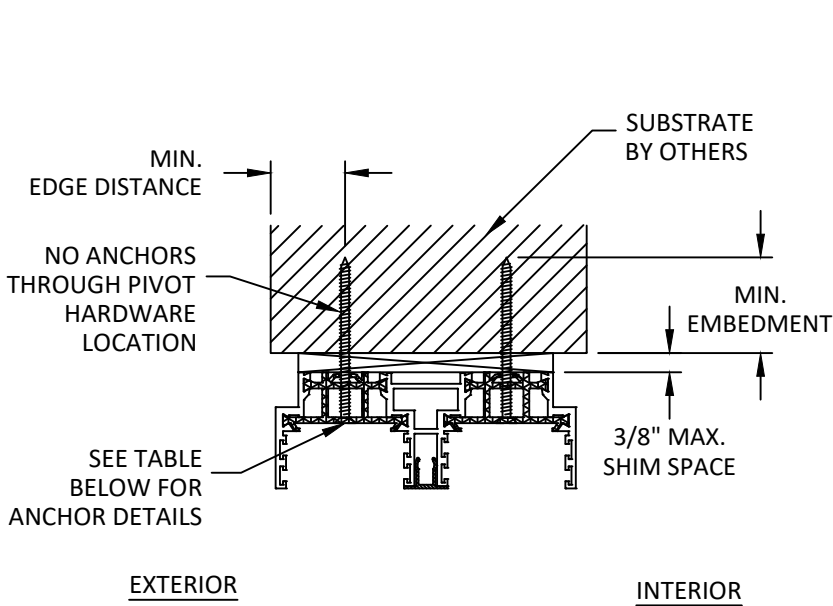
DWG. #: **PAN013**

SECTION: **8**

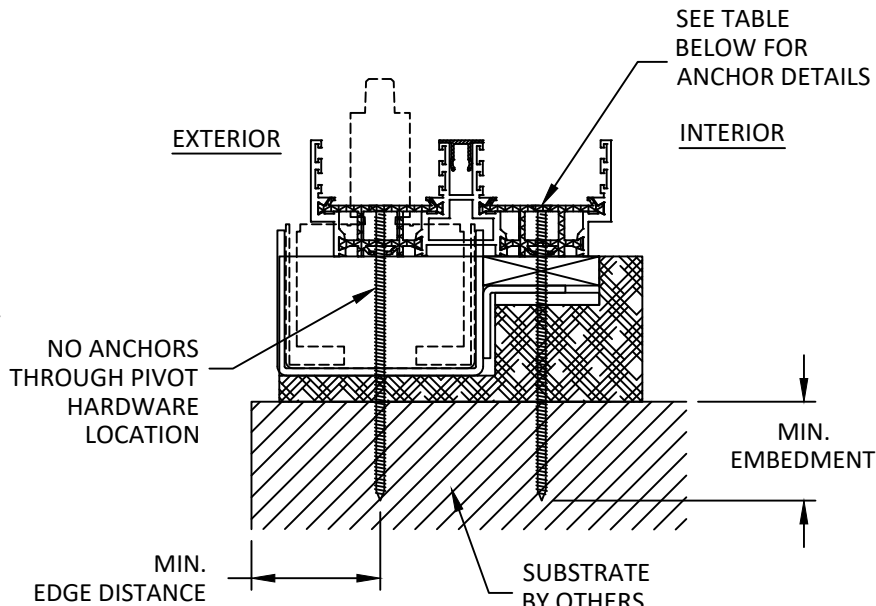
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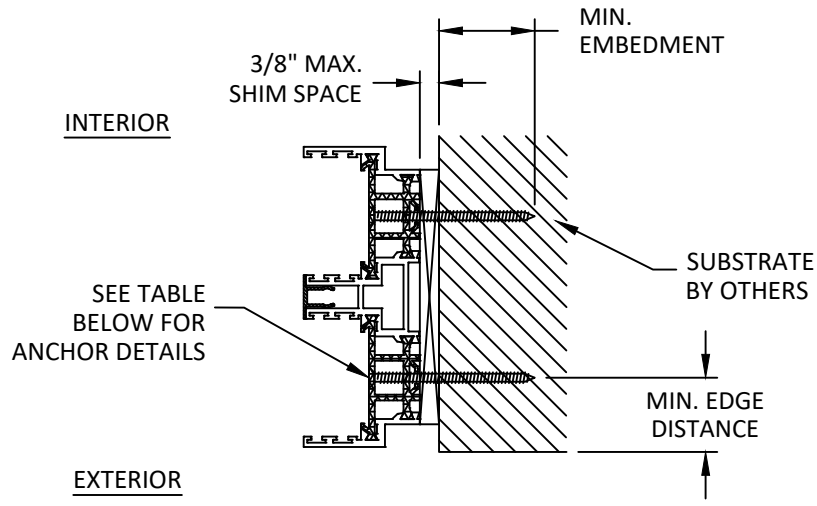
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A
9 VERTICAL SECTION
HEAD - THROUGH FRAME
NOTE: SIDELITE HEAD & SILL SIMILAR



B
9 VERTICAL SECTION
SILL - THROUGH FRAME



C
9 HORIZONTAL SECTION
JAMB - THROUGH FRAME
NOTE: SIDELITE JAMB SIMILAR

INSTALLATION NOTES:

- TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEETS 5 & 6.
- 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 3/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF 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 3000 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 3000 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 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.
- 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 TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.50"	0.75"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	1/4" SELF-DRILLING SCREW	3 THREADS MIN. PENETRATION BEYOND STRUCTURE	0.50"
	CONCRETE: f'c=3000PSI	1/4" ITW TAPCON	1.50"	2.50"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	1/4" ITW TAPCON	1.00"	2.50"

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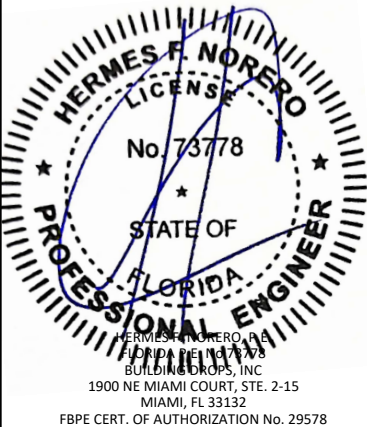
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