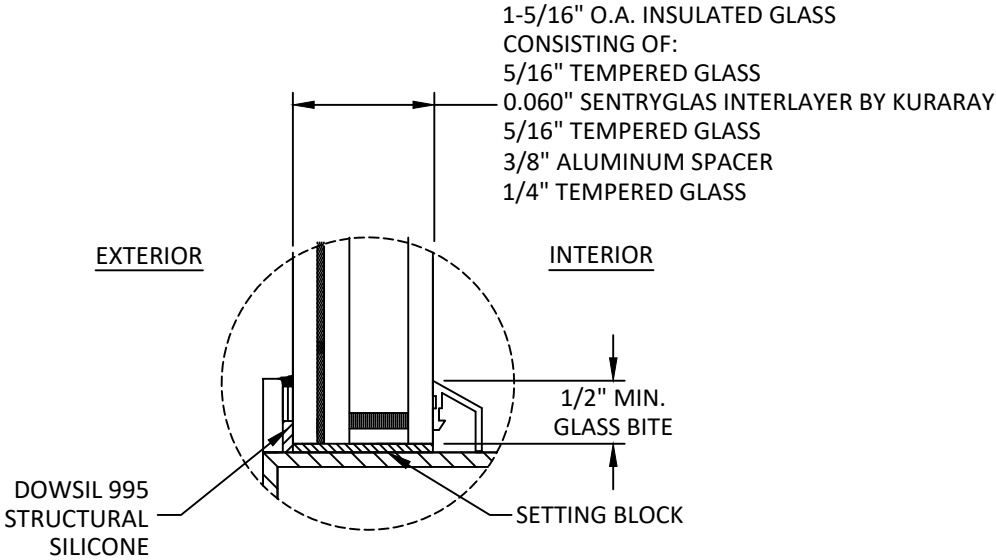


PINKYS IRON DOORS

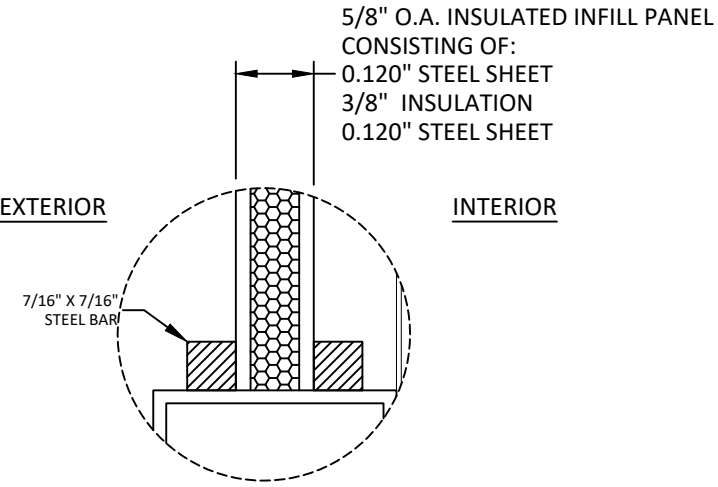
AIR SERIES SWING DOOR (HVHZ) (IMPACT)

GENERAL NOTES:

1. 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
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
 - ASTM E1886-19
 - ASTM E1996-20
2. 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.
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. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
5. 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.
6. APPROVED IMPACT PROTECTIVE SYSTEM IS **NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. DOOR FRAME MATERIAL: STEEL
8. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.



GLAZING DETAIL 1



GLAZING DETAIL 2

- 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 BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36\"/>
4. 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	ELEVATION & DESIGN PRESSURE TABLES
3	ELEVATION & DESIGN PRESSURE TABLES
4	ANCHOR LAYOUTS
5	ANCHOR LAYOUTS
6	ANCHOR LAYOUT
7	VERTICAL SECTIONS
8	HORIZONTAL SECTIONS
9	INSTALLATION NOTES & ANCHOR DETAILS
10	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
OXXO	SEE TABLE ON SHEET 3			



PINKYS IRON DOORS
2382 EAST 48TH STREET
VERNON, CA 90058
PH: (844) 843-6677

TITLE: AIR SERIES SWING DOOR
(HVHZ)(IMPACT)

GENERAL NOTES
& GLAZING DETAIL

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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: 2026.02.16 10:48:47 -05'00'

HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL48058

DATE: 10.24.23

DWG. BY: HJ

CHK. BY: HFN

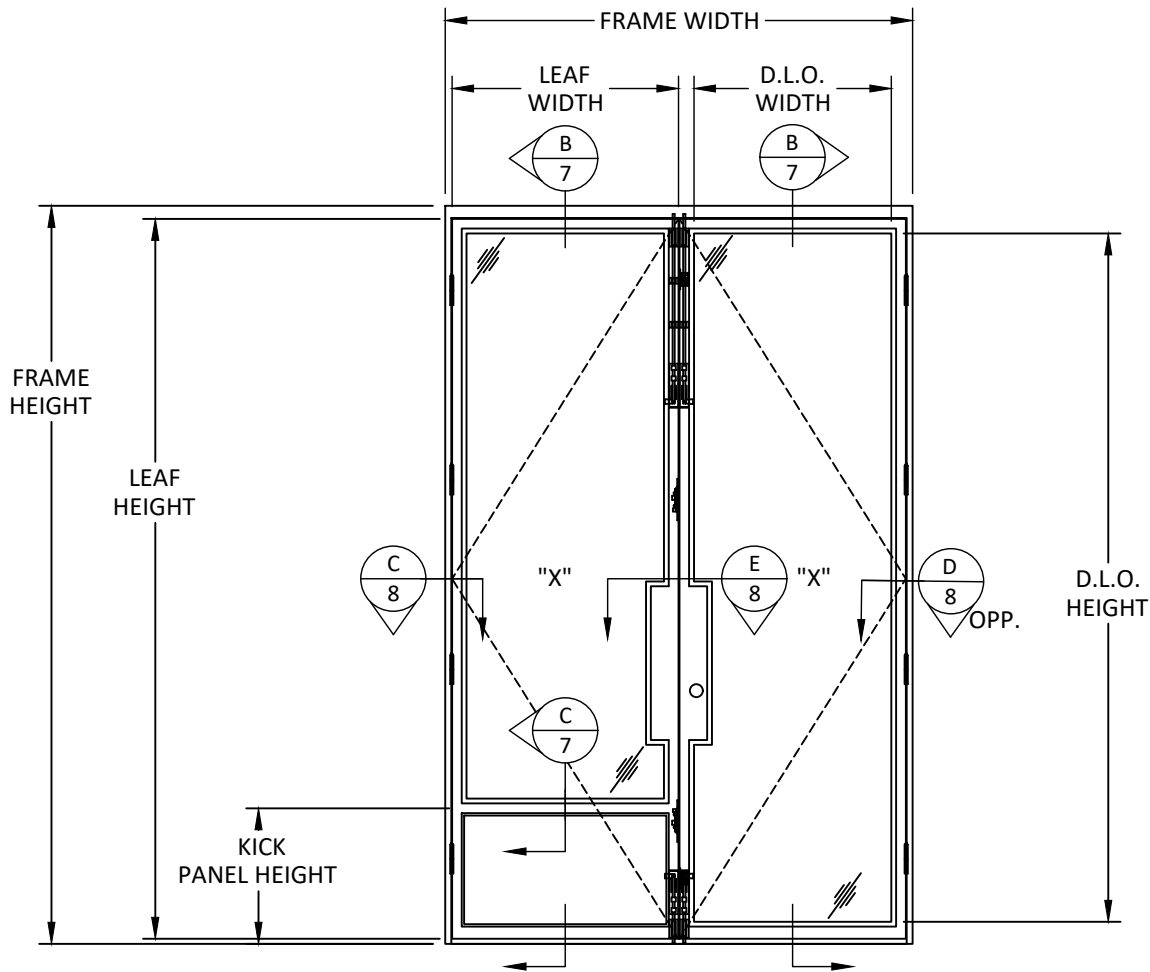
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DWG: PID004

SHEET: 1

OF 10

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ELEVATION
FRENCH DOOR

NOTE: MID-RAIL
OPTIONAL.

LEAF HEIGHT = FRAME HEIGHT - 5.0"
LEAF WIDTH = FRAME WIDTH/2 - 5.0"
D.L.O. HEIGHT = FRAME HEIGHT - 8.375"
D.L.O. WIDTH = FRAME WIDTH/2 - 6.125"

FRENCH DOOR DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		POS. (+)	NEG. (-)
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)		
64	78	60.0	60.0
76		60.0	60.0
88		60.0	60.0
100		60.0	60.0
112		60.0	60.0
64	84	60.0	60.0
76		60.0	60.0
88		60.0	60.0
100		60.0	60.0
64	90	60.0	60.0
76		60.0	60.0
88		60.0	60.0
100		60.0	60.0
64	96	60.0	60.0
76		60.0	60.0
88		60.0	60.0
100		60.0	60.0
64	102	60.0	60.0
76		60.0	60.0
88		60.0	60.0
64	108	60.0	60.0
76		60.0	60.0
64	114	60.0	60.0
76		60.0	60.0
64	120	60.0	60.0
76		60.0	60.0

NOTE: FOR SINGLE DOOR DIVIDE
FRAME WIDTH BY TWO.

KICK PANEL DESIGN PRESSURE TABLE (PSF)			
PANEL HEIGHT (IN.)	PANEL WIDTH (IN.)	POS. (+)	NEG. (-)
14	80	22.41	22.41
14	74	28.33	28.33
16	68	32.01	32.01
16	62	42.28	42.28
18	56	51.19	51.19
18	50	60.00	65.00
20	44	60.00	65.00
22	38	60.00	65.00



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ELEVATION
& DESIGN PRESSURE TABLES

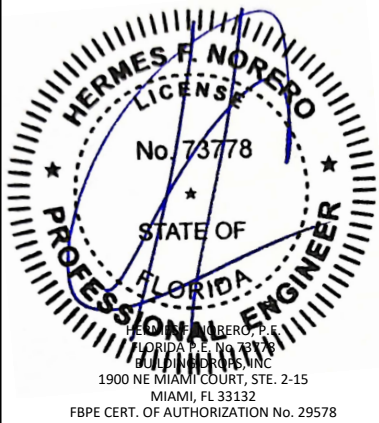
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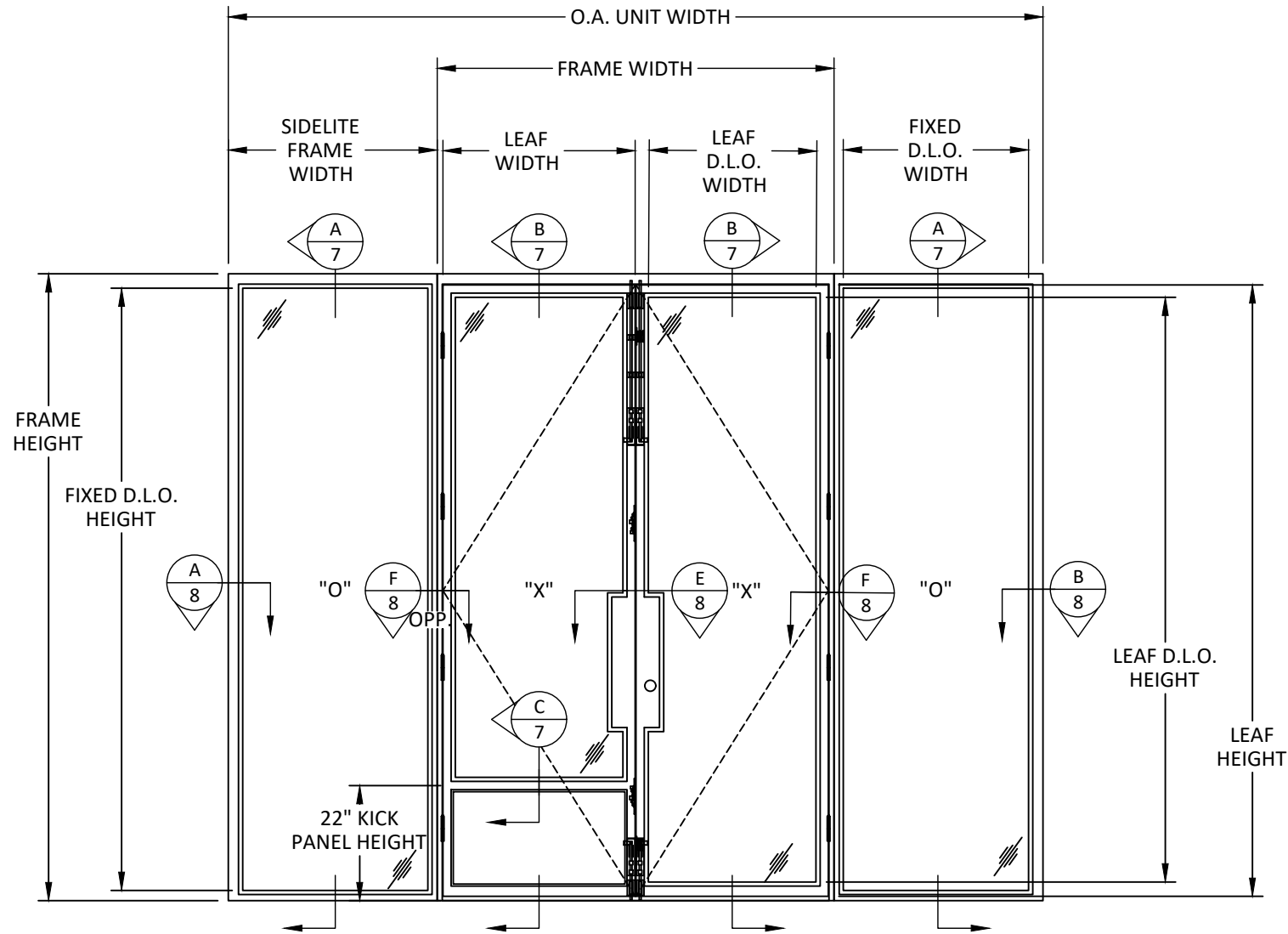


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ELEVATION
FRENCH DOOR WITH SIDELITES

QUALIFIED CONFIGURATIONS	
CONFIGURATION	TYPE
"XXO"	DOUBLE DOOR WITH SIDELITE
"OXO"	SINGLE DOOR WITH SIDELITES
"XO"	SINGLE DOOR WITH SIDELITE

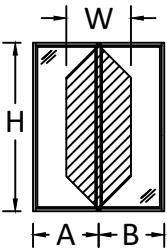
NOTE: MID-RAIL
OPTIONAL.

LEAF HEIGHT = FRAME HEIGHT - 5.00"
LEAF WIDTH = FRAME WIDTH/2 - 5.00"
LEAF D.L.O. HEIGHT = FRAME HEIGHT - 8.375"
LEAF D.L.O. WIDTH = FRAME WIDTH/2 - 6.125"
SIDELITE D.L.O. HEIGHT = FRAME HEIGHT - 5.00"
SIDELITE D.L.O. WIDTH = SIDELITE WIDTH - 4.75"

SIDELITE DESIGN PRESSURE TABLE (PSF)			
NOMINAL DIMS.		POS. (+)	NEG. (-)
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)		
34	78	60.0	60.0
40		60.0	60.0
46		52.0	52.0
52		46.0	46.0
58		41.0	41.0
34		60.0	60.0
40	84	60.0	60.0
46		52.0	52.0
52		46.0	46.0
34		60.0	60.0
40	90	60.0	60.0
46		52.0	52.0
52		46.0	46.0
34		60.0	60.0
40	96	60.0	60.0
46		52.0	52.0
34		60.0	60.0
40	102	60.0	60.0
34		60.0	60.0
40	108	60.0	60.0
34		60.0	60.0
40	114	60.0	60.0
34		60.0	60.0
40	120	60.0	60.0
34		60.0	60.0

NOTE: FOR DOORS WITH SIDELITES,
THE LESSER PRESSURE OF ALL
DP TABLES SHOWN SHALL
APPLY TO THE SYSTEM.

MULLION DESIGN PRESSURE TABLE (PSF)			
MULLION DIMS.		POS. (+)	NEG. (-)
"W" TRIBUTARY WIDTH(IN.)	"H" SPAN (IN.)		
34	78	60.0	60.0
40		60.0	60.0
46		60.0	60.0
52		60.0	60.0
58		60.0	60.0
64		60.0	60.0
34	84	60.0	60.0
40		60.0	60.0
46		60.0	60.0
52		60.0	60.0
58	90	60.0	60.0
34		60.0	60.0
40		60.0	60.0
46		60.0	60.0
52	96	60.0	60.0
34		60.0	60.0
40		60.0	60.0
46		60.0	60.0
52	102	60.0	60.0
34		60.0	60.0
40		60.0	60.0
46		60.0	60.0
52	108	60.0	60.0
34		60.0	60.0
40		60.0	60.0
46		60.0	60.0
52	114	60.0	60.0
34		60.0	60.0
40		60.0	60.0
46		60.0	60.0
52	120	60.0	60.0
39		60.0	60.0



$$\frac{A + B}{2} = W$$



PINKYS IRON DOORS
2382 EAST 48TH STREET
VERNON, CA 90058
PH: (844) 843-6677

TITLE: AIR SERIES SWING DOOR
(HVHZ)(IMPACT)

ELEVATION
& DESIGN PRESSURE TABLES

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FBPE CERT. OF AUTHORIZATION No. 29578

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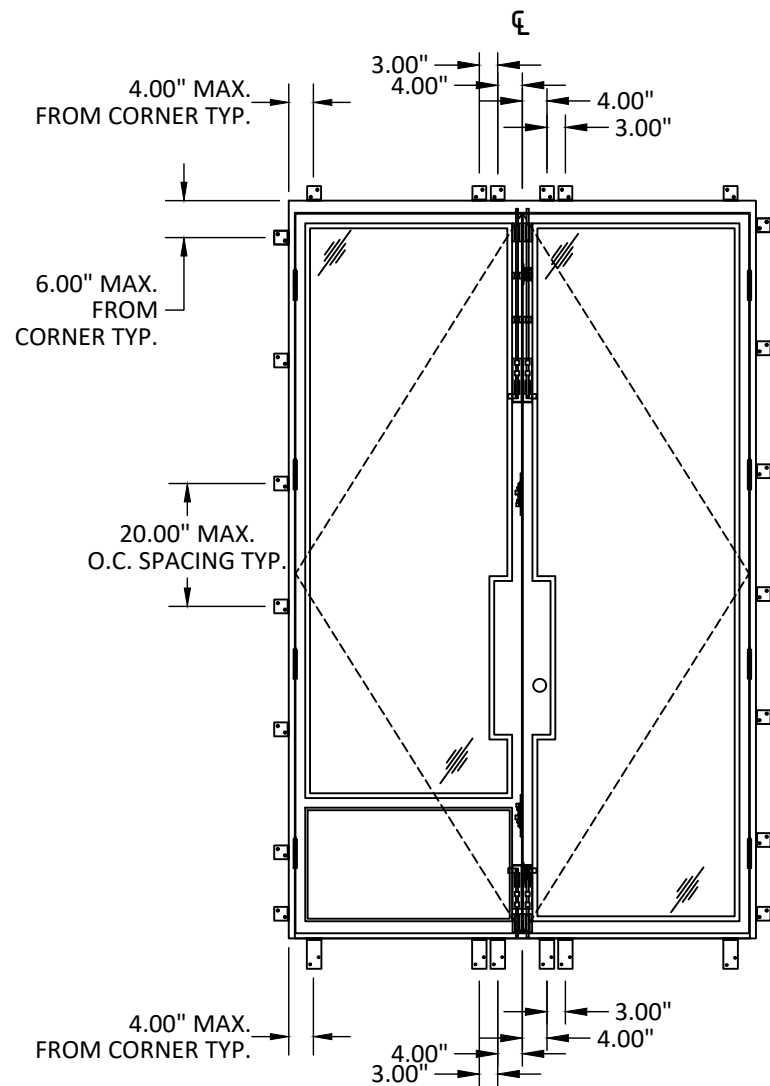
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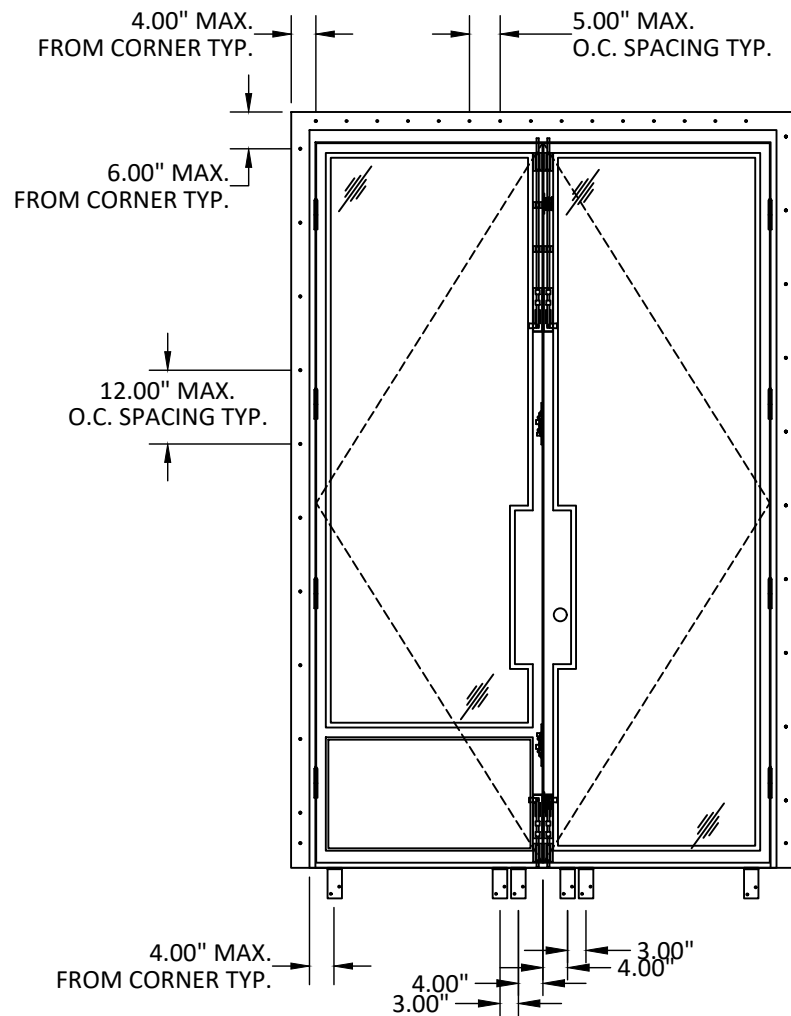
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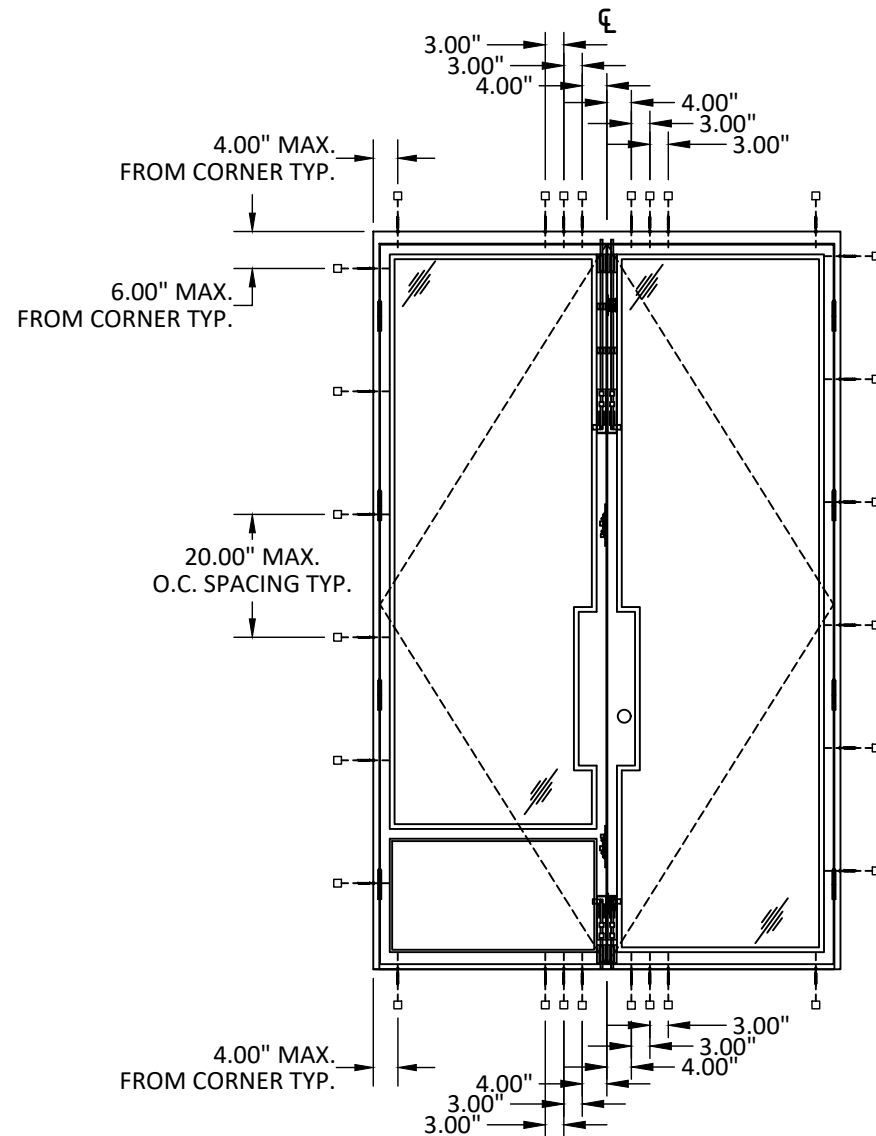
ANCHOR LAYOUT
FRENCH DOOR
TAB INSTALLATION

NOTE: TWO (2) INSTALLATION ANCHORS
PER TAB LOCATION.



ANCHOR LAYOUT
FRENCH DOOR
NAIL FIN INSTALLATION

ANCHOR LEGEND	
•	NAIL FIN ANCHOR LOCATION
—	THROUGH FRAME ANCHOR LOCATION
☐	TAB LOCATION
▢	SILL TAB LOCATION



ANCHOR LAYOUT
FRENCH DOOR
THROUGH FRAME INSTALLATION



PINKYS IRON DOORS
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TITLE: AIR SERIES SWING DOOR
(HVHZ)(IMPACT)

ANCHOR LAYOUTS

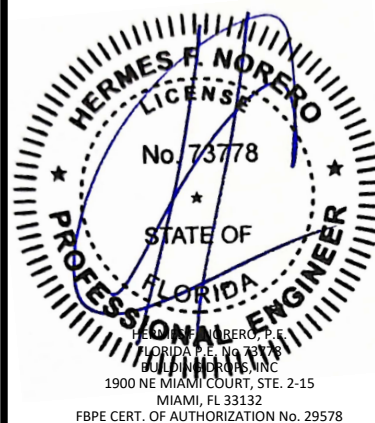
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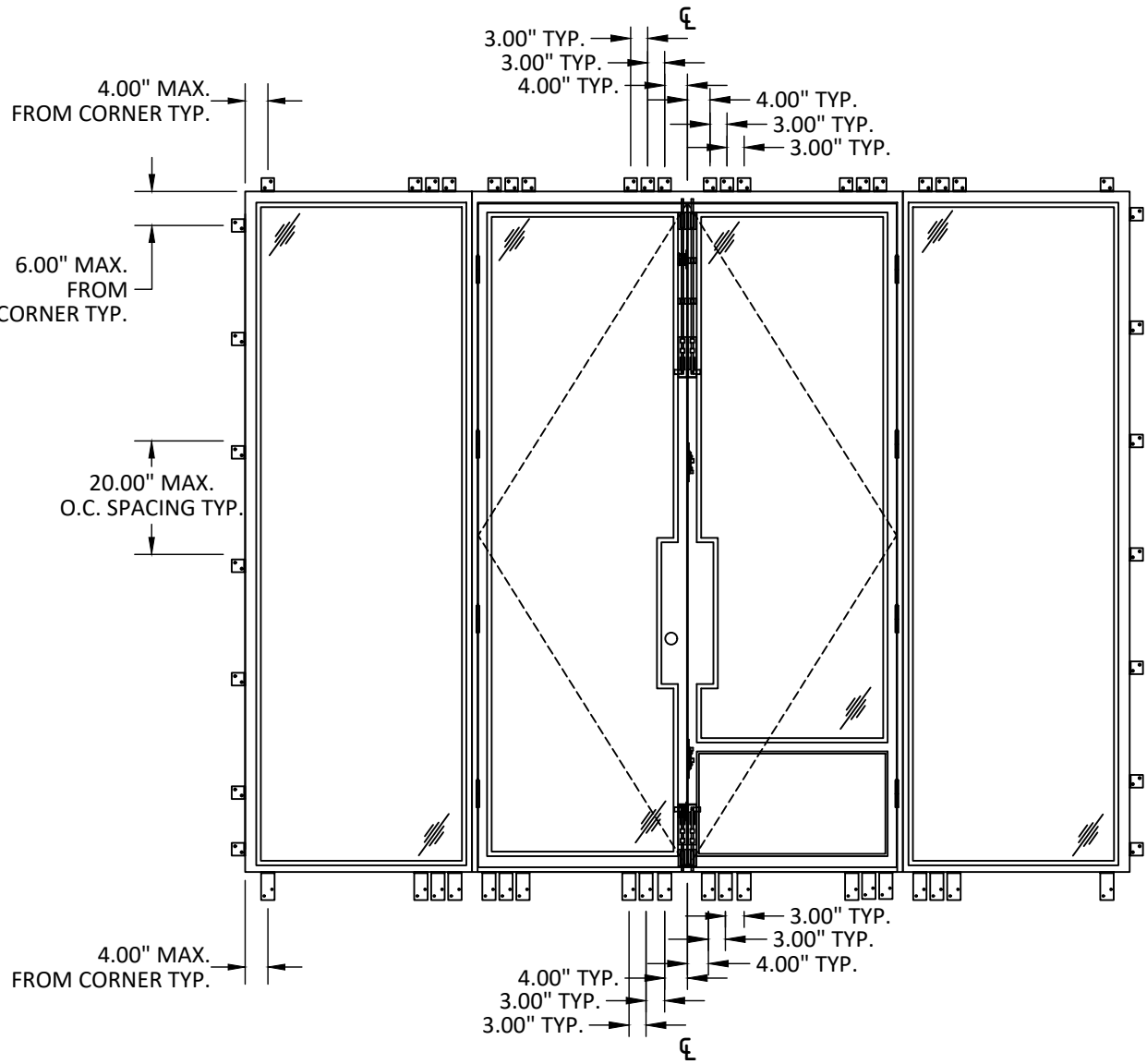
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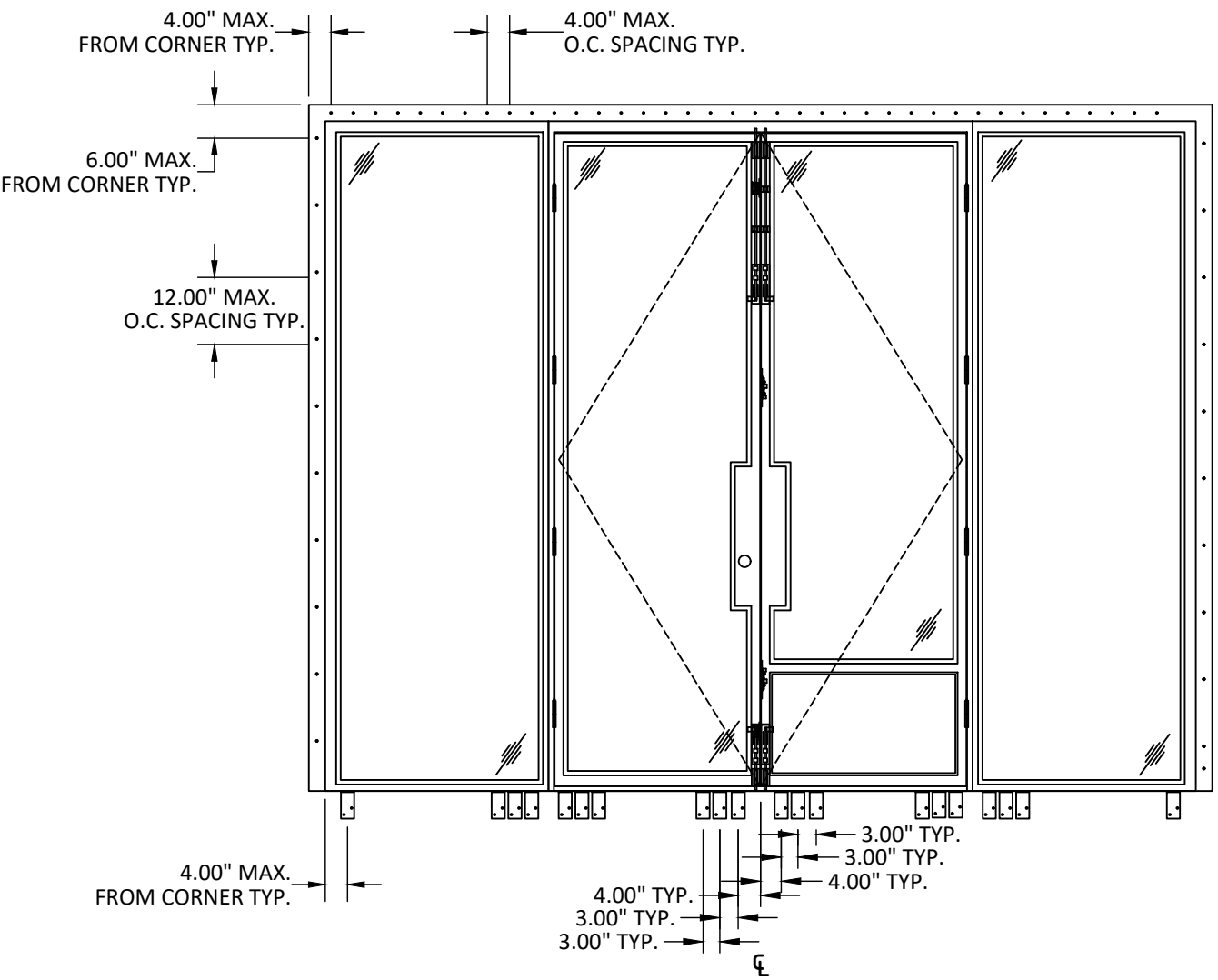
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ANCHOR LAYOUT
FRENCH DOOR WITH SIDELITES
TAB INSTALLATION

NOTE: TWO (2) INSTALLATION ANCHORS
PER TAB LOCATION.

ANCHOR LEGEND	
•	NAIL FIN ANCHOR LOCATION
⊠	THROUGH FRAME ANCHOR LOCATION
⊞	TAB LOCATION
⊞	SILL TAB LOCATION



ANCHOR LAYOUT
FRENCH DOOR WITH SIDELITES
NAIL FIN INSTALLATION



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TITLE: AIR SERIES SWING DOOR
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ANCHOR LAYOUTS

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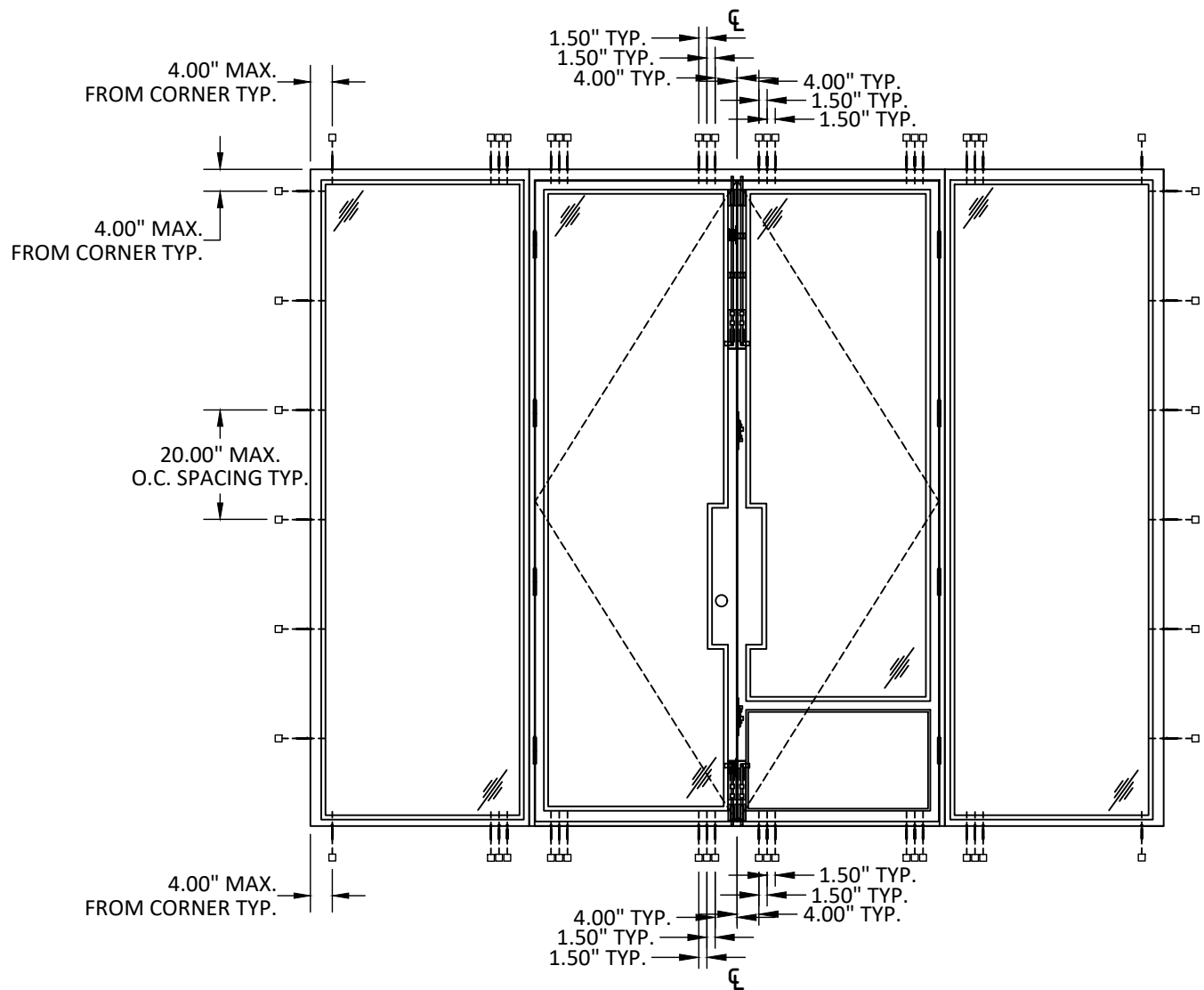
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ANCHOR LAYOUT
FRENCH DOOR WITH SIDELITES
THROUGH FRAME INSTALLATION

ANCHOR LEGEND	
•	NAIL FIN ANCHOR LOCATION
□ —	THROUGH FRAME ANCHOR LOCATION
▣	TAB LOCATION
▤	SILL TAB LOCATION



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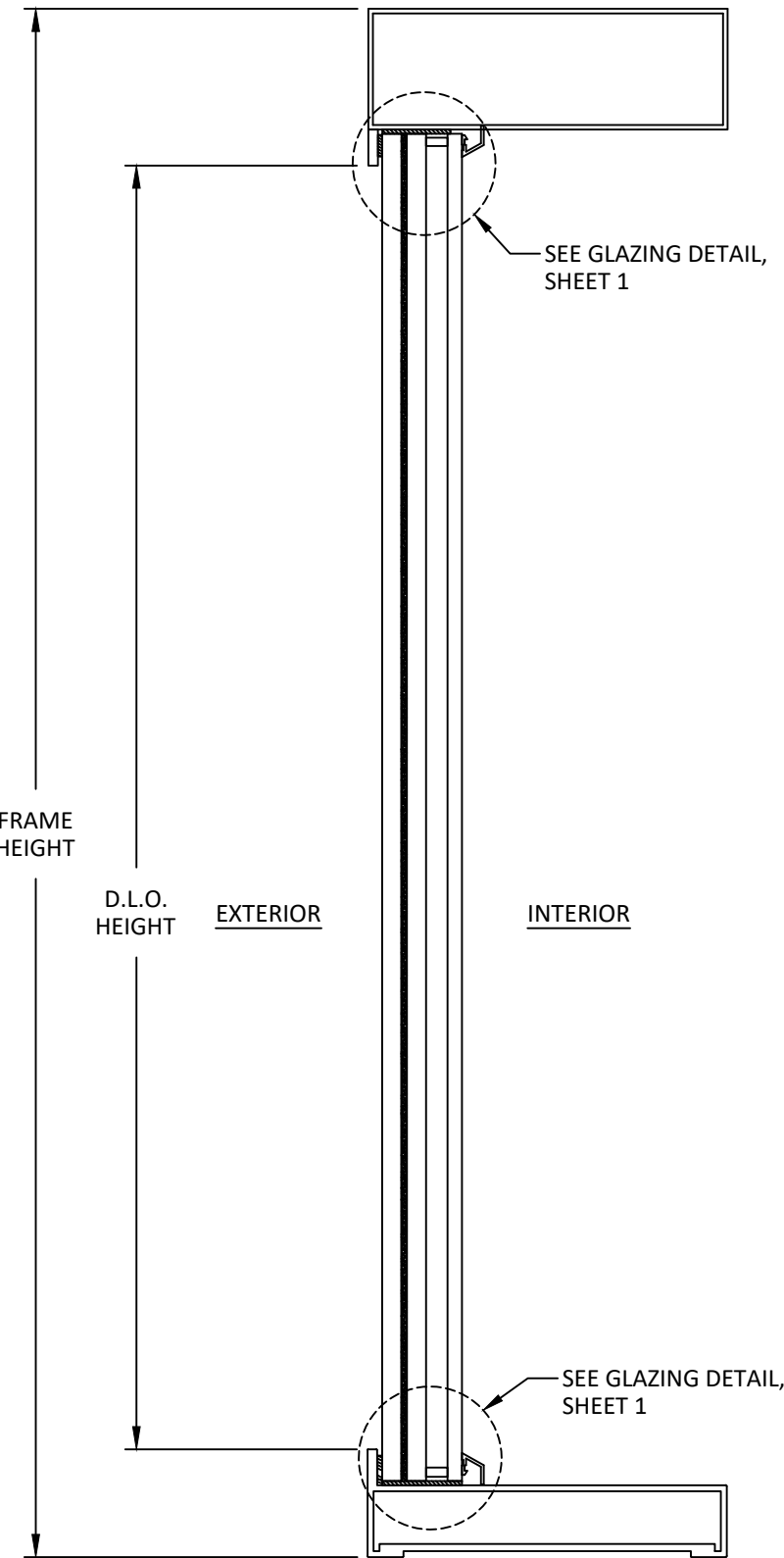
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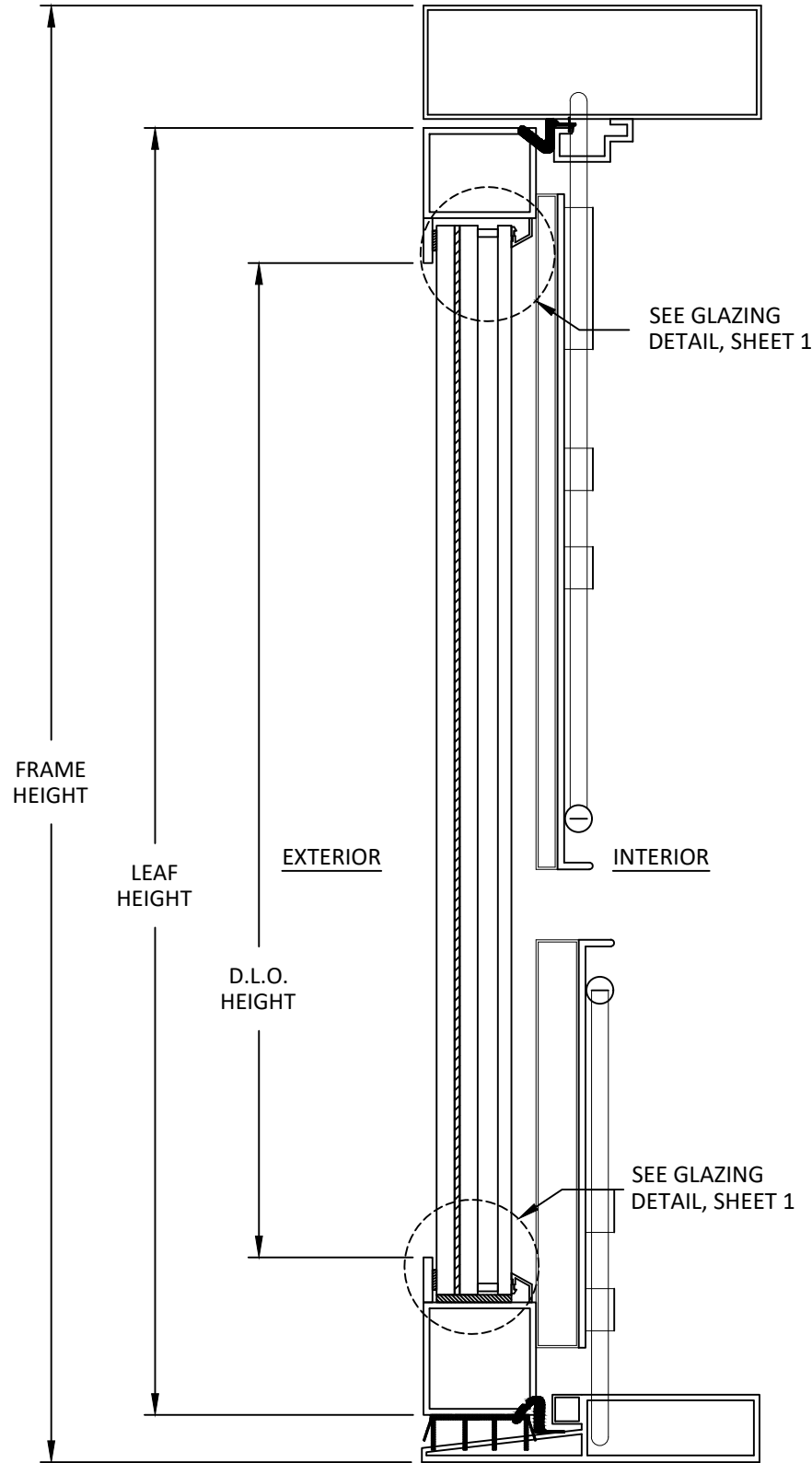
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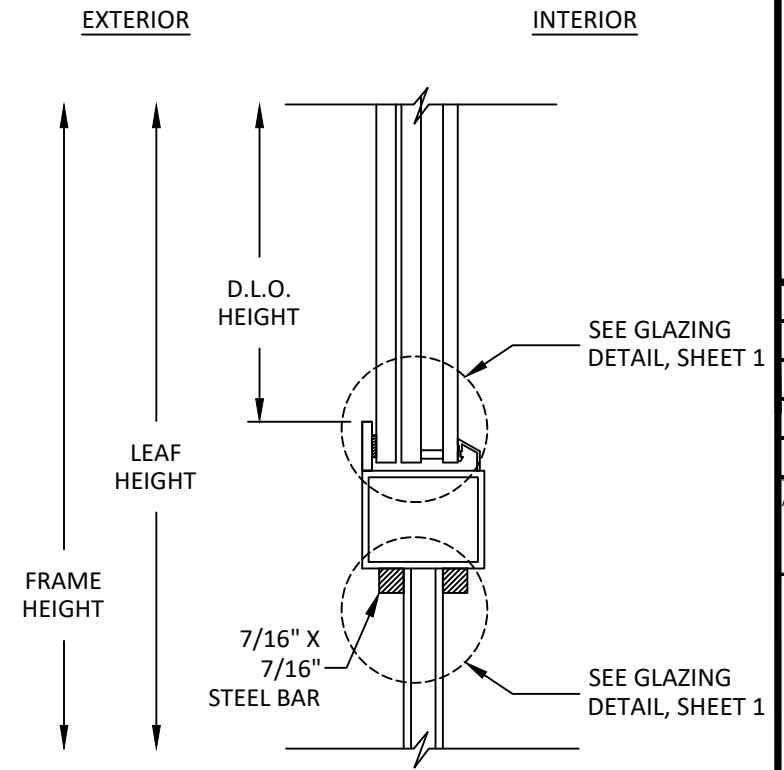
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A
7 VERTICAL SECTION
SIDELITE



B
7 VERTICAL SECTION
DOOR



C
7 VERTICAL SECTION
KICK PANEL

PINKYS IRON DOORS
2382 EAST 48TH STREET
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TITLE: AIR SERIES SWING DOOR (HVHZ)(IMPACT)
VERTICAL SECTIONS

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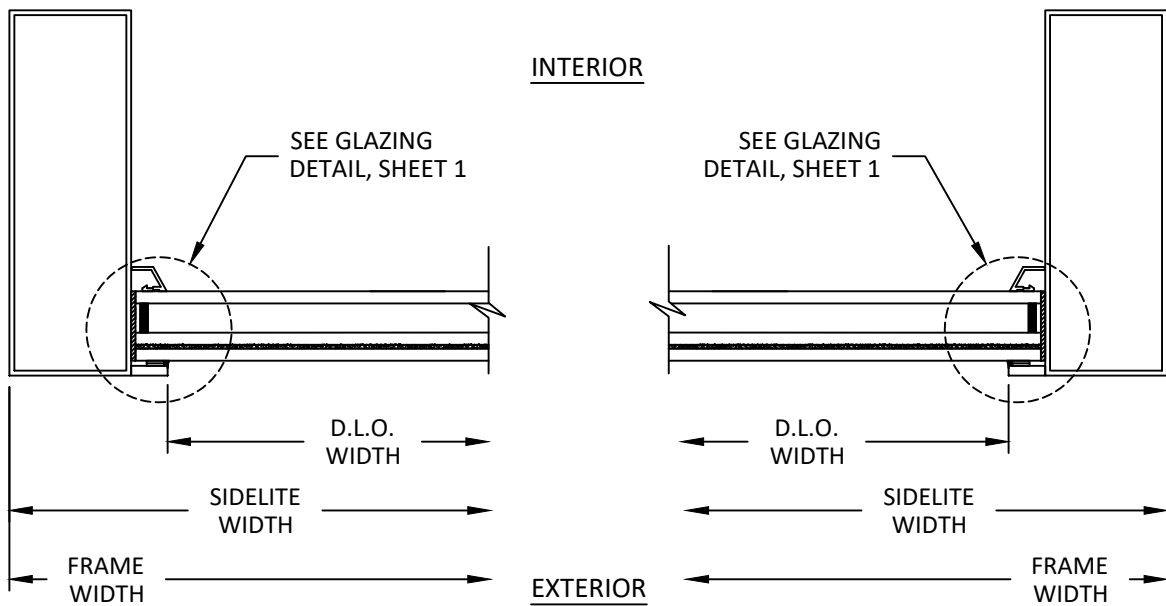
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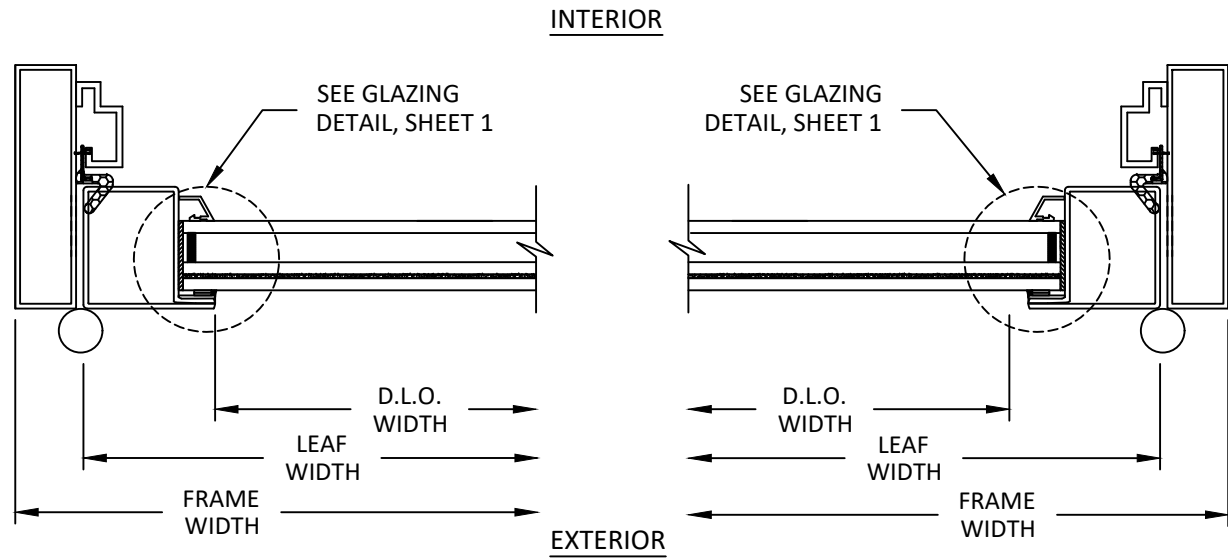
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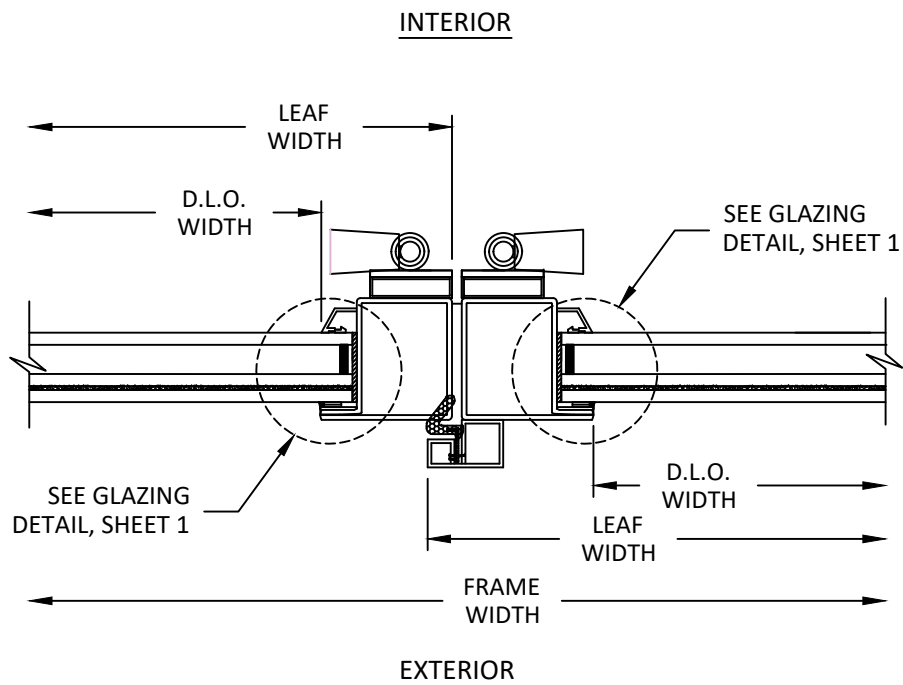
A
8 HORIZONTAL SECTION
SIDELITE JAMB

B
8 HORIZONTAL SECTION
SIDELITE JAMB

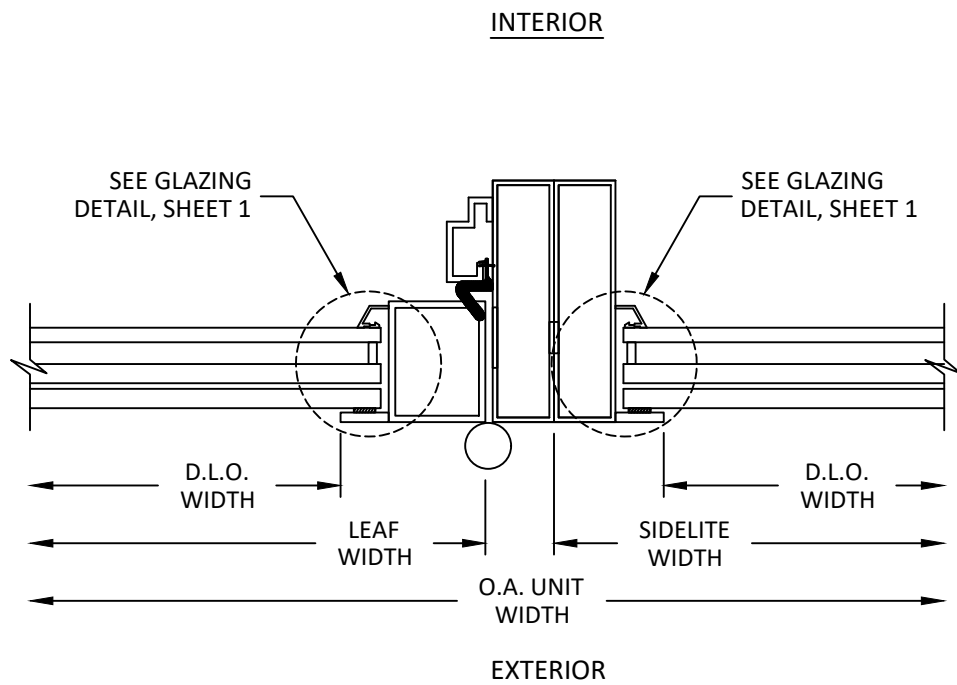


C
8 HORIZONTAL SECTION
HINGE JAMB

D
8 HORIZONTAL SECTION
HINGE JAMB



E
8 HORIZONTAL SECTION
ASTRAGAL



F
8 HORIZONTAL SECTION
MULLION



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HORIZONTAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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FL48058

DATE: 10.24.23

DWG. BY: HJ

CHK. BY: HFN

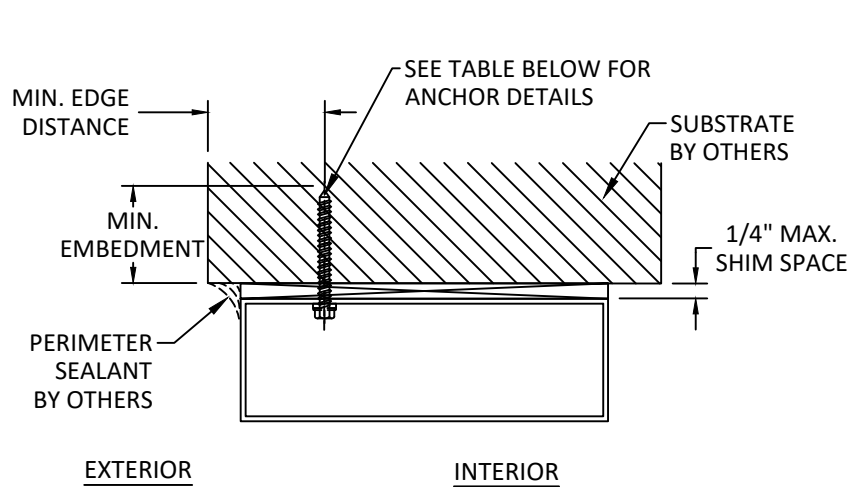
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DWG: PID004

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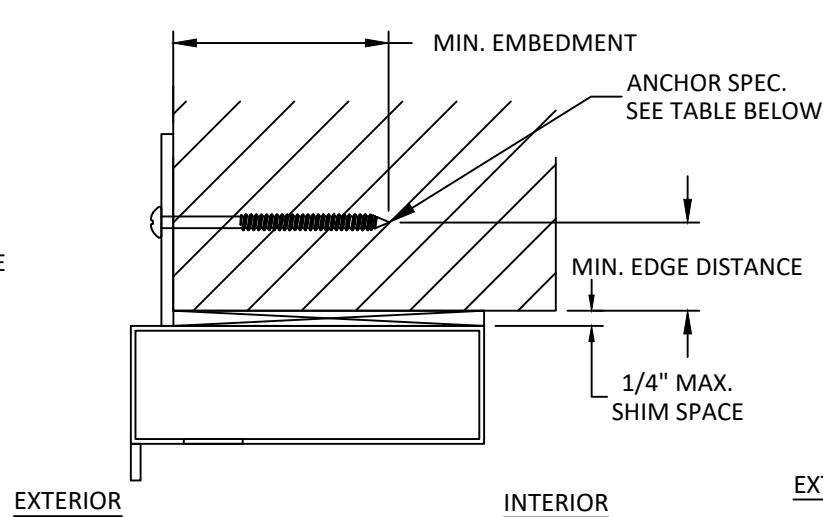
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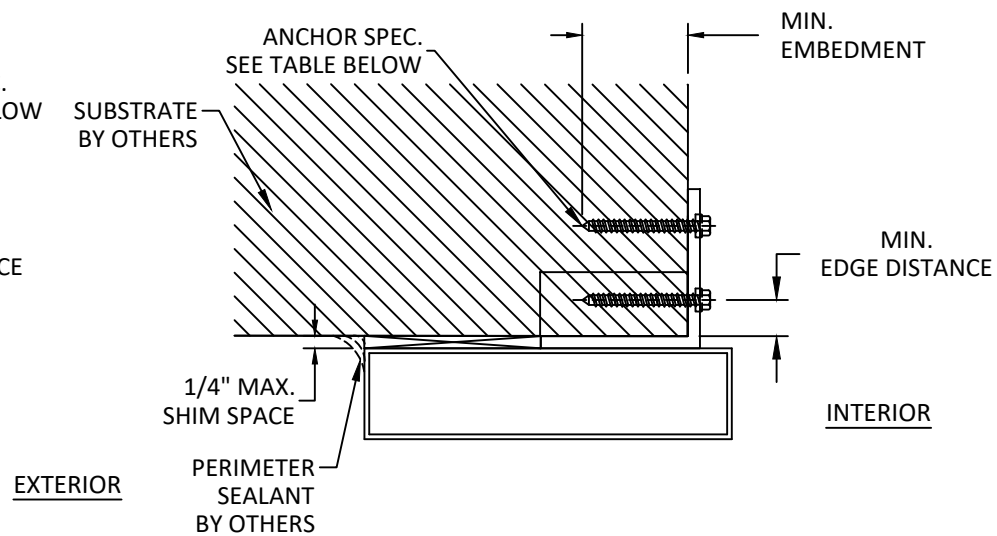
A
9 VERTICAL SECTION
DOOR HEAD - THROUGH FRAME INSTALLATION

NOTE: DOOR JAMB AND SIDELITE
HEAD & JAMB SIMILAR



B
9 VERTICAL SECTION
SIDELITE HEAD - NAIL FIN INSTALLATION

NOTE: SIDELITE JAMB AND
DOOR HEAD & JAMB SIMILAR



C
9 VERTICAL SECTION
DOOR HEAD - TAB INSTALLATION

NOTE: DOOR JAMB AND SIDELITE
HEAD & JAMB SIMILAR

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEETS 4, 5, & 6.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH OF 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 1/4 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.
- 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
NAIL FIN INSTALLATION	WOOD: MIN. SG = 0.55	#12 GR. 5 WOOD SCREW	1.50"	0.75"
	STEEL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN. 6063-T5	#12 GR. 5 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"
THROUGH FRAME & TAB INSTALLATION	WOOD: MIN. SG = 0.55	#12 GR. 5 WOOD SCREW	1.50"	0.75"
	STEEL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN. 6063-T5	#12 GR. 5 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"



PINKYS IRON DOORS
2382 EAST 48TH STREET
VERNON, CA 90058
PH: (844) 843-6677

TITLE: AIR SERIES SWING DOOR
(HVHZ)(IMPACT)

INSTALLATION NOTES
& ANCHOR DETAILS

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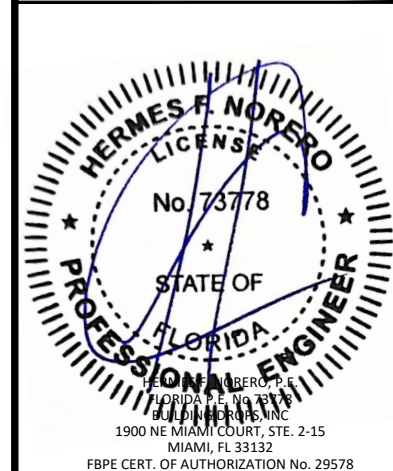
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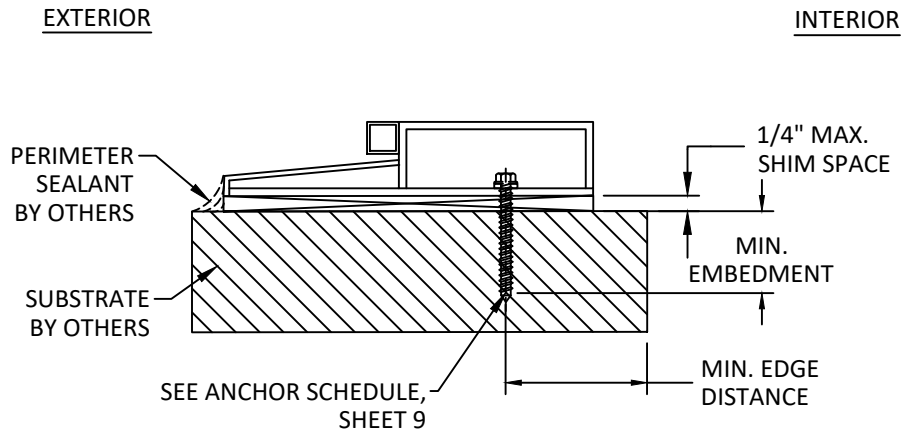
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DWG: **PID004**

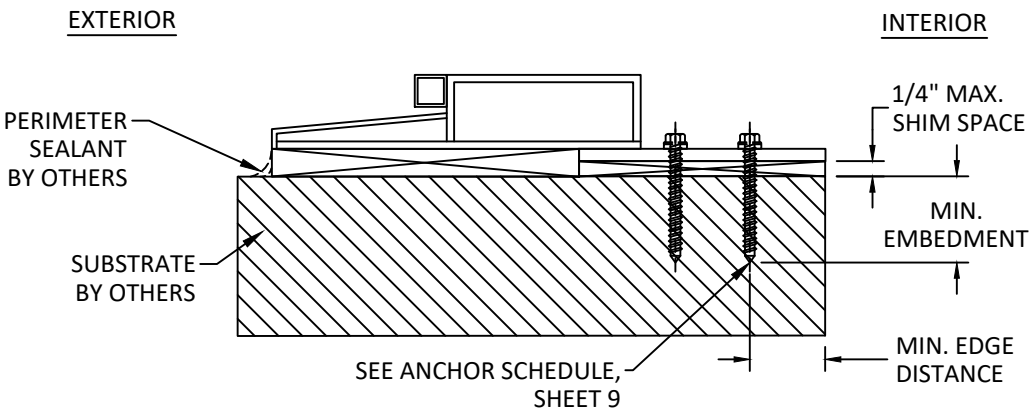
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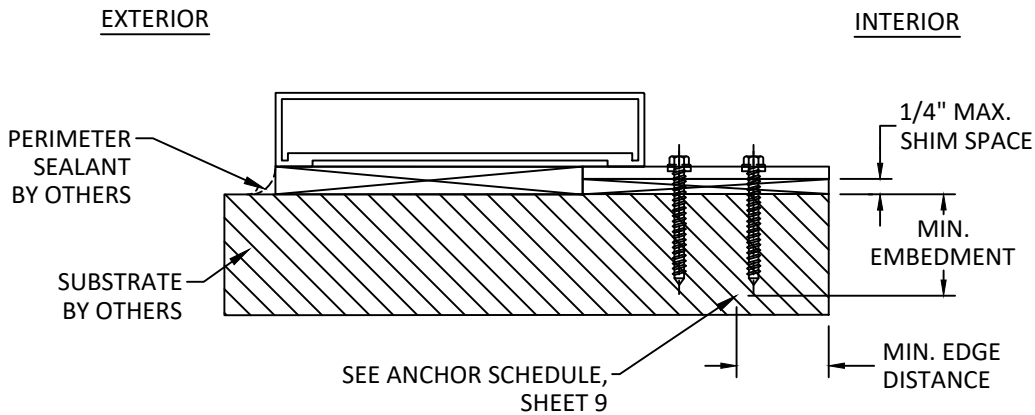
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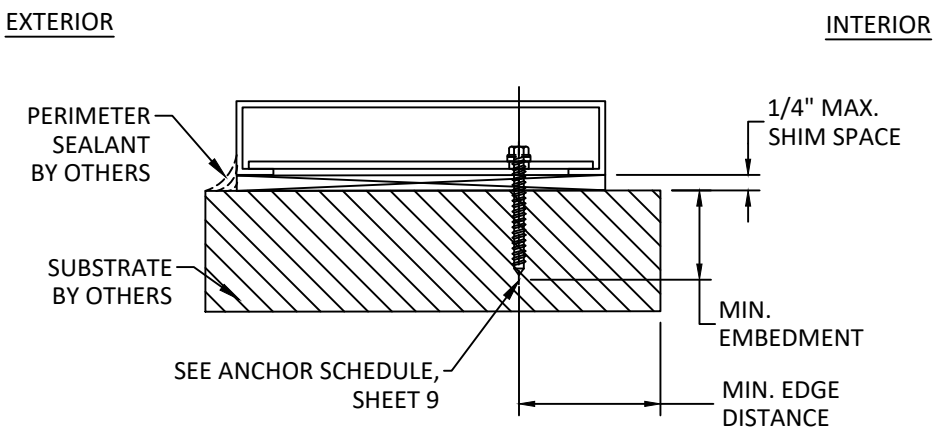
A
10 VERTICAL SECTION
DOOR SILL - THROUGH FRAME



B
10 VERTICAL SECTION
DOOR SILL - TAB INSTALLATION



C
10 VERTICAL SECTION
SIDELITE SILL - NAIL FIN INSTALLATION



D
10 VERTICAL SECTION
SIDELITE SILL - THROUGH FRAME



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OF 10