

PORTELLA STEEL DOORS & WINDOWS

ARTISAN SERIES FRENCH DOOR

(NON-HVHZ)(NON-IMPACT)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
- 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.
- 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 REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- DOOR FRAME MATERIAL: STAINLESS STEEL 304/POLYESTER FIBERGLASS
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAILS.
- ALL STRUCTURAL MATERIALS & DISSIMILAR METALS SHALL BE PROTECTED , TREATED, PAINTED, COATED, AND / OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.

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DESIGN PRESSURE RATING (PSF)				
CONFIGURATION	WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
SEE TABLES ON SHEETS 3 & 4				NON-IMPACT



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4111 TODD LN, SUITE 1000
AUSTIN, TX 78744
PH: (214)484-3134 FAX: (214)484-3357

TITLE:
ARTISAN SERIES FRENCH DOOR
(NON-HVHZ)(NON-IMPACT)

GENERAL NOTES

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15

MIAMI, FL 33132

PH: (954)399-8478

FAX: (954)744-4738

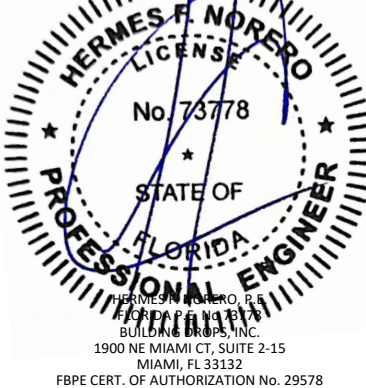
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REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.02.11 09:48:00 -0500



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SCALE: **NTS**

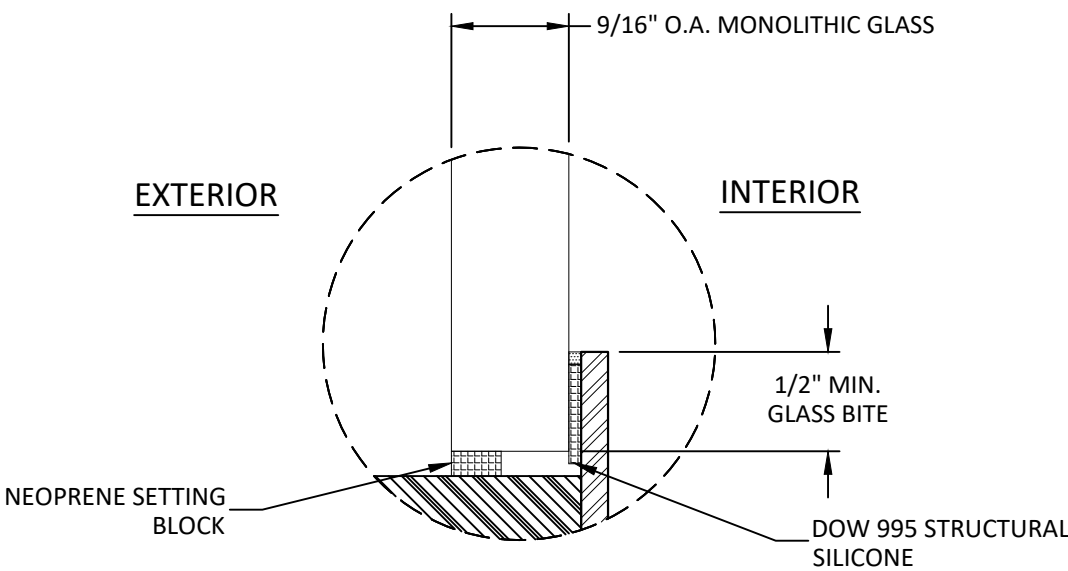
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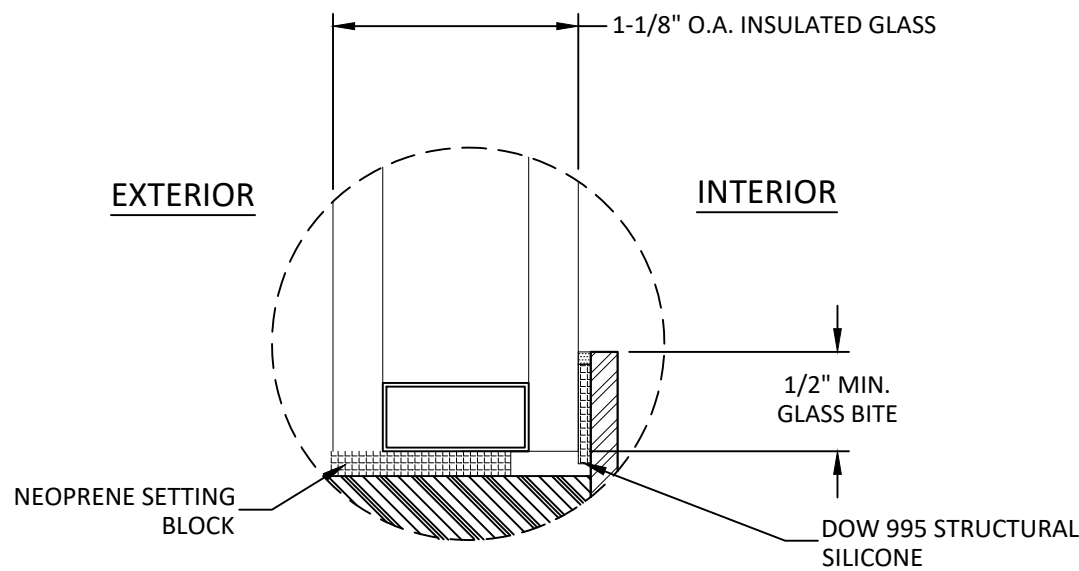
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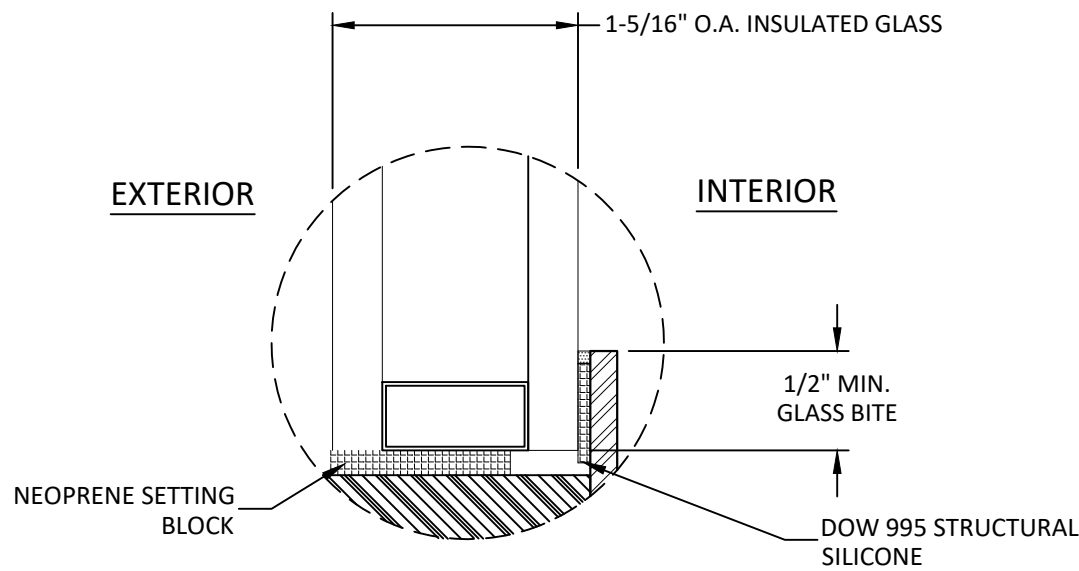
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GLAZING DETAIL 1

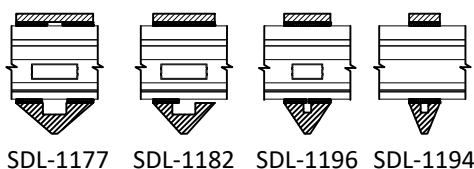


GLAZING DETAIL 2

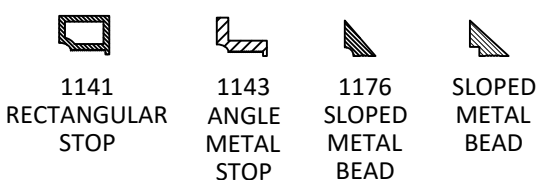


GLAZING DETAIL 3

SIMULATED DIVIDING LITE:



OTHER QUALIFIED GLAZING BEADS:



- GLAZING NOTES:
1. GLASS TYPE SHALL COMPLY WITH ASTM E1300 AND THE FBC SAFETY GLAZING 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" AS PER FBC CHAPTER 24.
 4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.
 5. UNIT WAS TESTED WITHOUT THE USE OF A GLAZING BEAD. GLAZING BEAD IS OPTIONAL AND NOT REQUIRED. SPACER MATERIAL MAY VARY AS WELL. EXTERIOR GLASS LITE HEAT TREATMENT MAY VARY AS WELL.



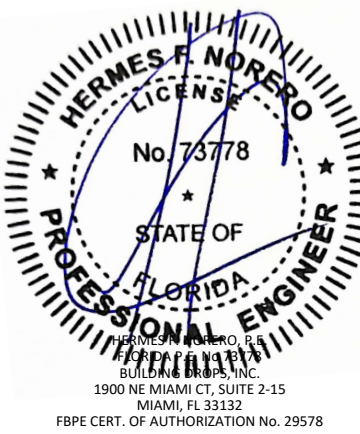
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GLAZING DETAILS

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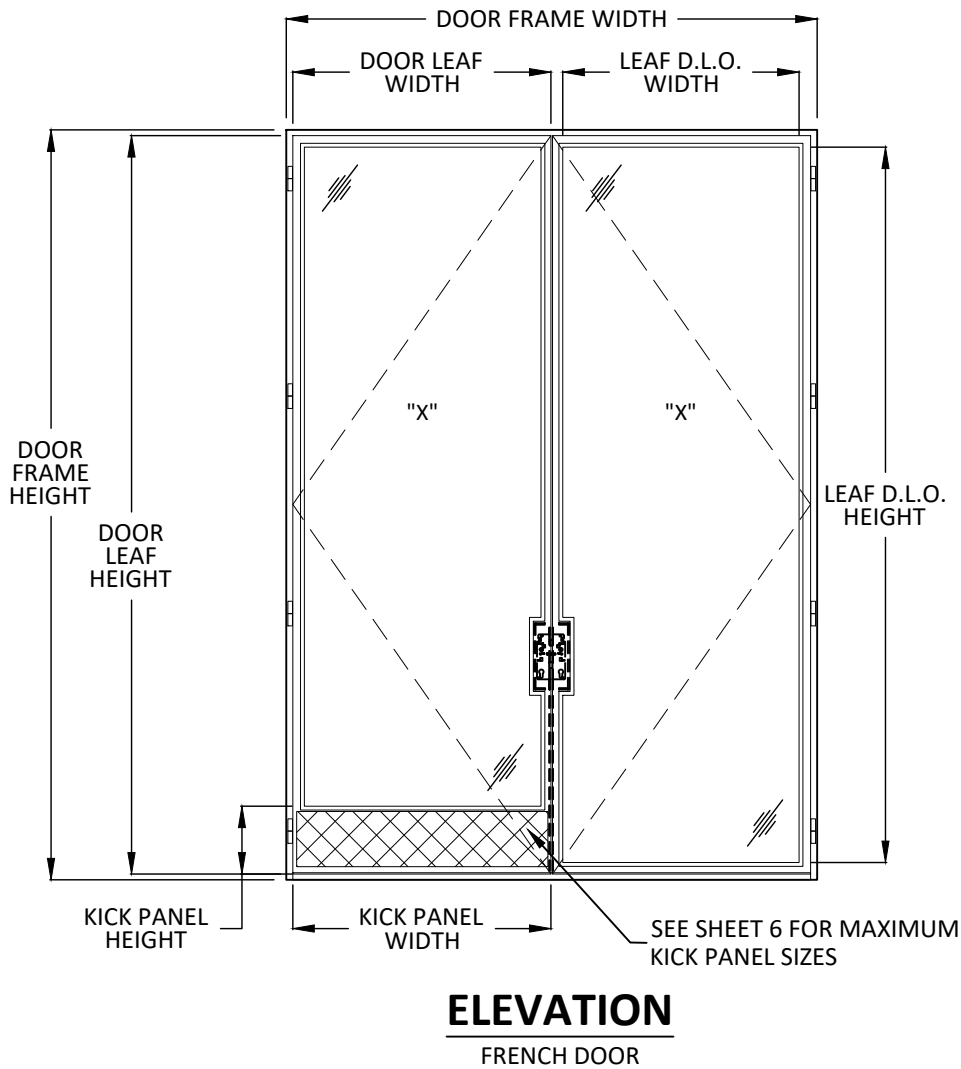
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DOOR LEAF WIDTH = (DOOR FRAME WIDTH)/2 - 0.8123"
DOOR LEAF HEIGHT = DOOR FRAME HEIGHT - 2.2474"
DOOR LEAF HEIGHT W/KICK PANEL = DOOR FRAME HEIGHT - 2.1224"
LEAF D.L.O. WIDTH = (DOOR FRAME WIDTH)/2 - 4.9373"
LEAF D.L.O. HEIGHT = DOOR FRAME HEIGHT - 5.8724"
LEAF D.L.O. HEIGHT W/KICK PANEL = DOOR FRAME HEIGHT - KICK PANEL HEIGHT - 3.9975"

DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		DESIGN PRESSURE (PSF)	
DOOR FRAME WIDTH (IN.)	DOOR FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
60	84	60.0	65.0
66		60.0	65.0
72		60.0	65.0
78		60.0	65.0
84		60.0	65.0
90		60.0	65.0
96		60.0	65.0
102		60.0	65.0
108	90	60.0	65.0
114		60.0	65.0
120		60.0	65.0
60		60.0	65.0
66		60.0	65.0
72		60.0	65.0
78		60.0	65.0
84		60.0	65.0
90		60.0	65.0
96	96	60.0	65.0
102		60.0	65.0
108		60.0	65.0
114		60.0	65.0
60		60.0	65.0
66		60.0	65.0
72		60.0	65.0
78		60.0	65.0
84	96	60.0	65.0
90		60.0	65.0
96		60.0	65.0
102		60.0	65.0
108		60.0	65.0
114		60.0	65.0
120		60.0	65.0
60	102	60.0	65.0
66		60.0	65.0
72		60.0	65.0
78		60.0	65.0
84		60.0	65.0
90		60.0	65.0
96		60.0	65.0
102		60.0	65.0

DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		DESIGN PRESSURE (PSF)	
DOOR FRAME WIDTH (IN.)	DOOR FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
60	108	60.0	65.0
66		60.0	65.0
72		60.0	65.0
78		60.0	65.0
84		60.0	65.0
90		60.0	65.0
96		60.0	65.0
102		60.0	65.0
60	114	60.0	65.0
66		60.0	65.0
72		60.0	65.0
78		60.0	65.0
84		60.0	65.0
90		60.0	65.0
96		60.0	65.0
102		60.0	65.0
60	120	60.0	65.0
66		60.0	65.0
72		60.0	65.0
78		60.0	65.0
84		60.0	65.0
90		60.0	65.0
96		60.0	65.0
102		60.0	65.0
60	126	60.0	65.0
66		60.0	65.0
72		60.0	65.0
78		60.0	65.0
84		57.5	62.3
87.75		60.0	65.0
60	132	60.0	65.0
66		60.0	65.0
72		58.3	63.2
78		53.8	58.3
60	138	60.0	65.0
66		55.7	60.3
72		51.0	55.3
78		53.9	58.4
60	144	49.0	53.1
66		44.9	48.7
72			
78			

NOTE: FOR SINGLE DOOR FRAME WIDTH, DIVIDE DOOR FRAME WIDTH BY 2.



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(NON-HVHZ)/(NON-IMPACT)

ELEVATION & DESIGN
PRESSURE TABLES

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132

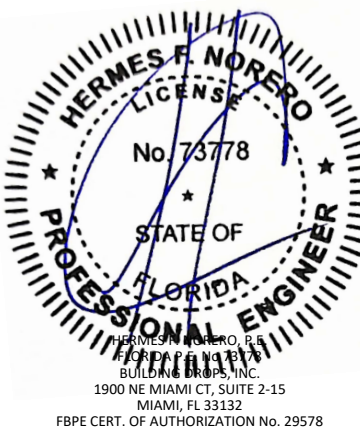
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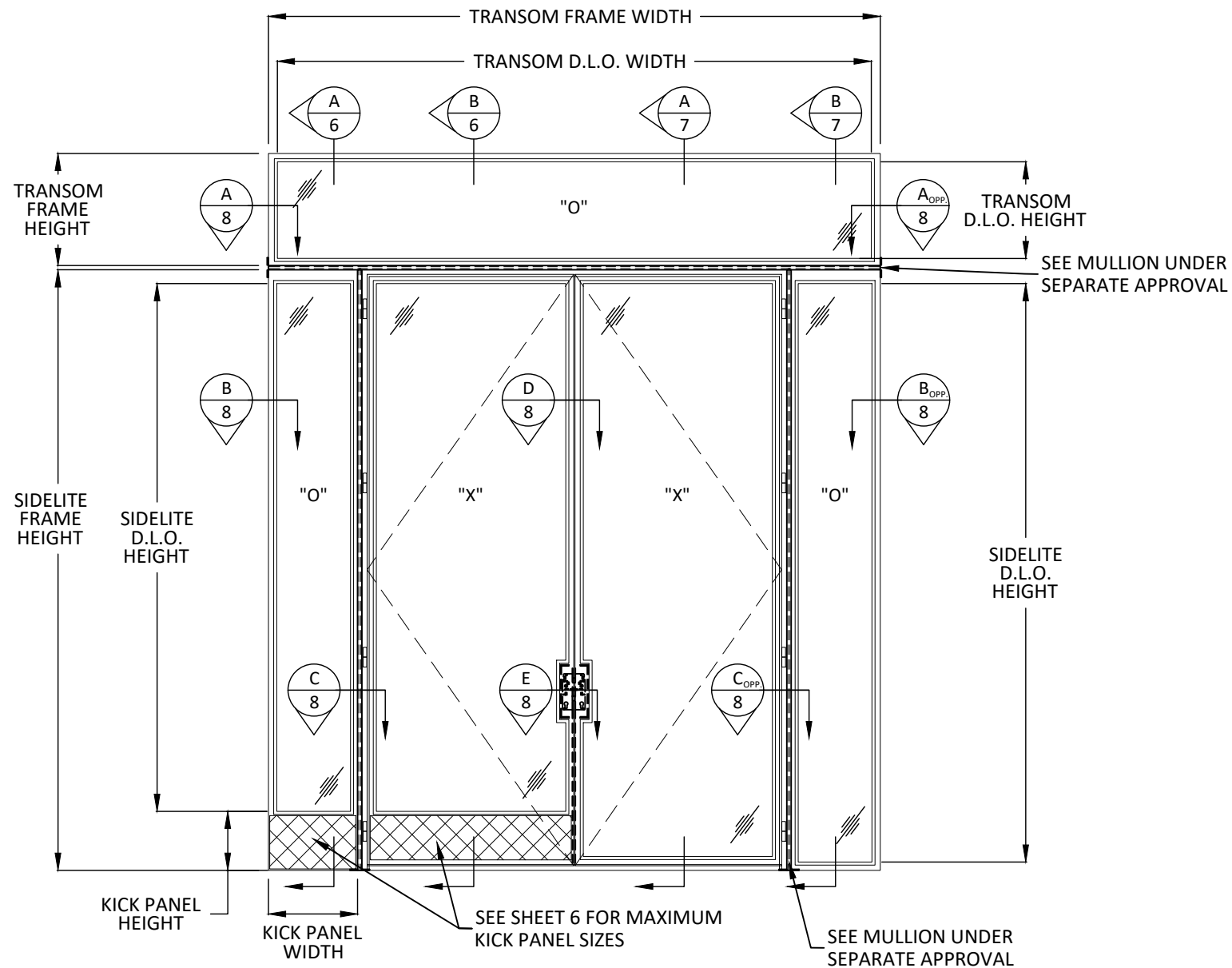
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ELEVATION

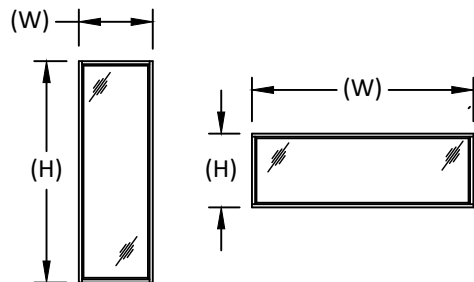
FRENCH DOOR W/TRANSOM & SIDELITES

SIDELITE D.L.O. WIDTH = SIDELITE FRAME WIDTH - 3.375"
SIDELITE D.L.O. HEIGHT = SIDELITE FRAME HEIGHT - 4.7452"
TRANSOM D.L.O. WIDTH = TRANSOM FRAME WIDTH - 3.625"
TRANSOM D.L.O. HEIGHT = TRANSOM FRAME HEIGHT - 3.375"

GLASS LOAD CAPACITY FOR SIDELITE AND TRANSOM (PSF)			
NOMINAL DIMS.		GLASS TYPES 1, 2, & 3	
FRAME WIDTH	FRAME HEIGHT	EXT. (+)	INT. (-)
12	78	60.0	65.0
15		60.0	65.0
18		60.0	65.0
21		60.0	65.0
24		57.2	61.9
27		49.9	54.1
30	84	44.3	48.0
33		39.8	43.1
12		60.0	65.0
15		60.0	65.0
18		60.0	65.0
21		60.0	65.0
24		57.2	61.9
27		49.9	54.1
30	90	44.3	48.0
33		39.8	43.1
12		60.0	65.0
15		60.0	65.0
18		60.0	65.0
21		60.0	65.0
24		57.2	61.9
27		49.9	54.1
30	96	44.3	48.0
12		60.0	65.0
15		60.0	65.0
18		60.0	65.0
21		60.0	65.0
24		57.2	61.9
27		49.9	54.1
30	102	44.3	48.0
12		60.0	65.0
15		60.0	65.0
18		60.0	65.0
21		60.0	65.0
24		57.2	61.9
27		49.9	54.1

NOTE:
WINDOW WIDTH (W) AND HEIGHT (H) ARE INTERCHANGEABLE FOR SIDELITE AND TRANSOM SIZES SHOWN ABOVE NOT TO EXCEED MAXIMUM TESTED SQUARE FOOT AREA. ANCHOR SPACING SHALL NOT EXCEED THOSE SHOWN FOR LONG OR SHORT LEG OF UNIT, SEE TABLE ABOVE.

GLASS LOAD CAPACITY FOR SIDELITE AND TRANSOM(PSF)			
NOMINAL DIMS.		GLASS TYPES 1, 2, & 3	
FRAME WIDTH	FRAME HEIGHT	EXT. (+)	INT. (-)
12	108	60.0	65.0
15		60.0	65.0
18		60.0	65.0
21		60.0	65.0
24	114	57.2	61.9
12		60.0	65.0
15		60.0	65.0
18		60.0	65.0
21		60.0	65.0
24	120	57.2	61.9
12		60.0	65.0
15		60.0	65.0
18		60.0	65.0
21		60.0	65.0
23.03	124.50	60.0	65.0
12	126	60.0	65.0
15		60.0	65.0
18		60.0	65.0
21		60.0	65.0
12	132	60.0	65.0
15		60.0	65.0
18		60.0	65.0
21		60.0	65.0
12	138	60.0	65.0
15		60.0	65.0
18		60.0	65.0
21		60.0	65.0
12	144	60.0	65.0
15		60.0	65.0
18		60.0	65.0
21		60.0	65.0



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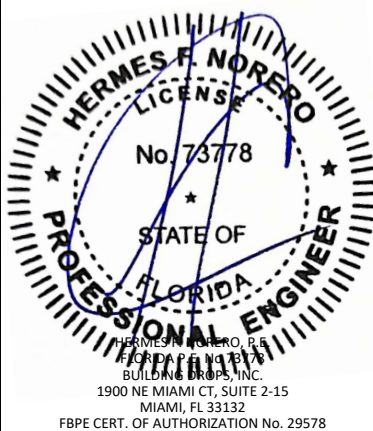
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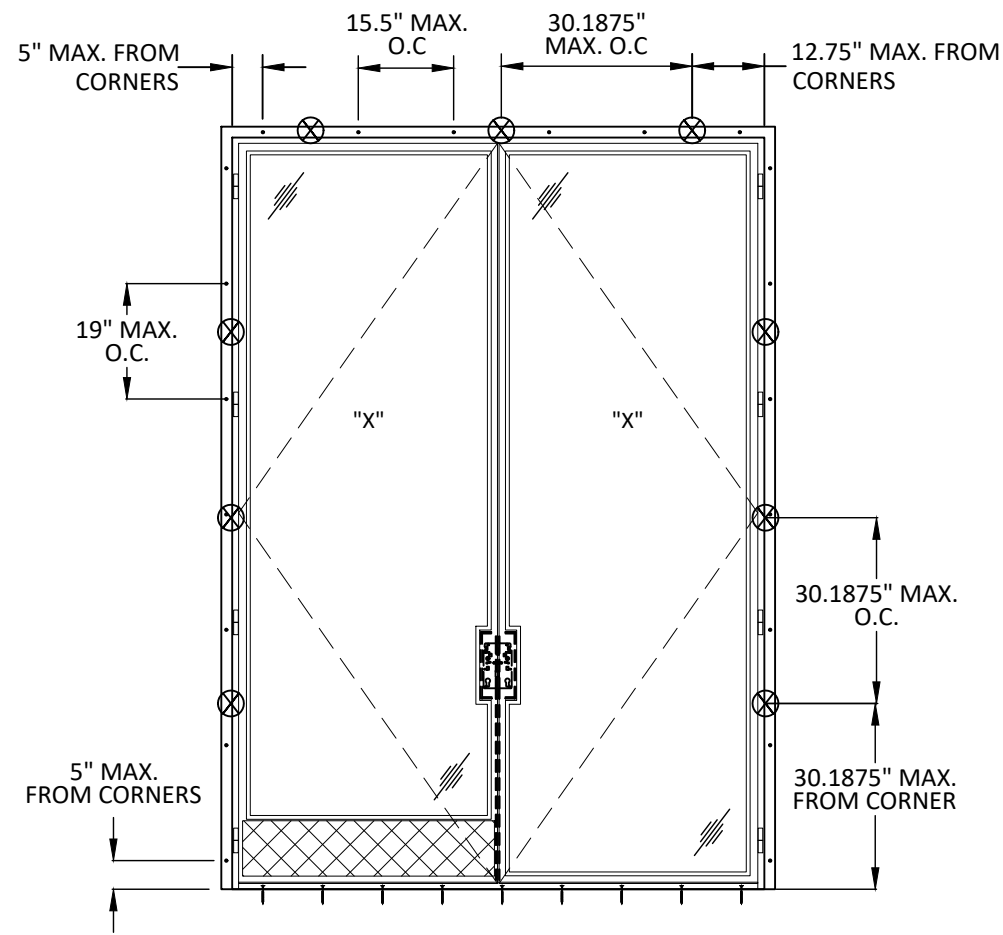
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DWG. #: **POR016**

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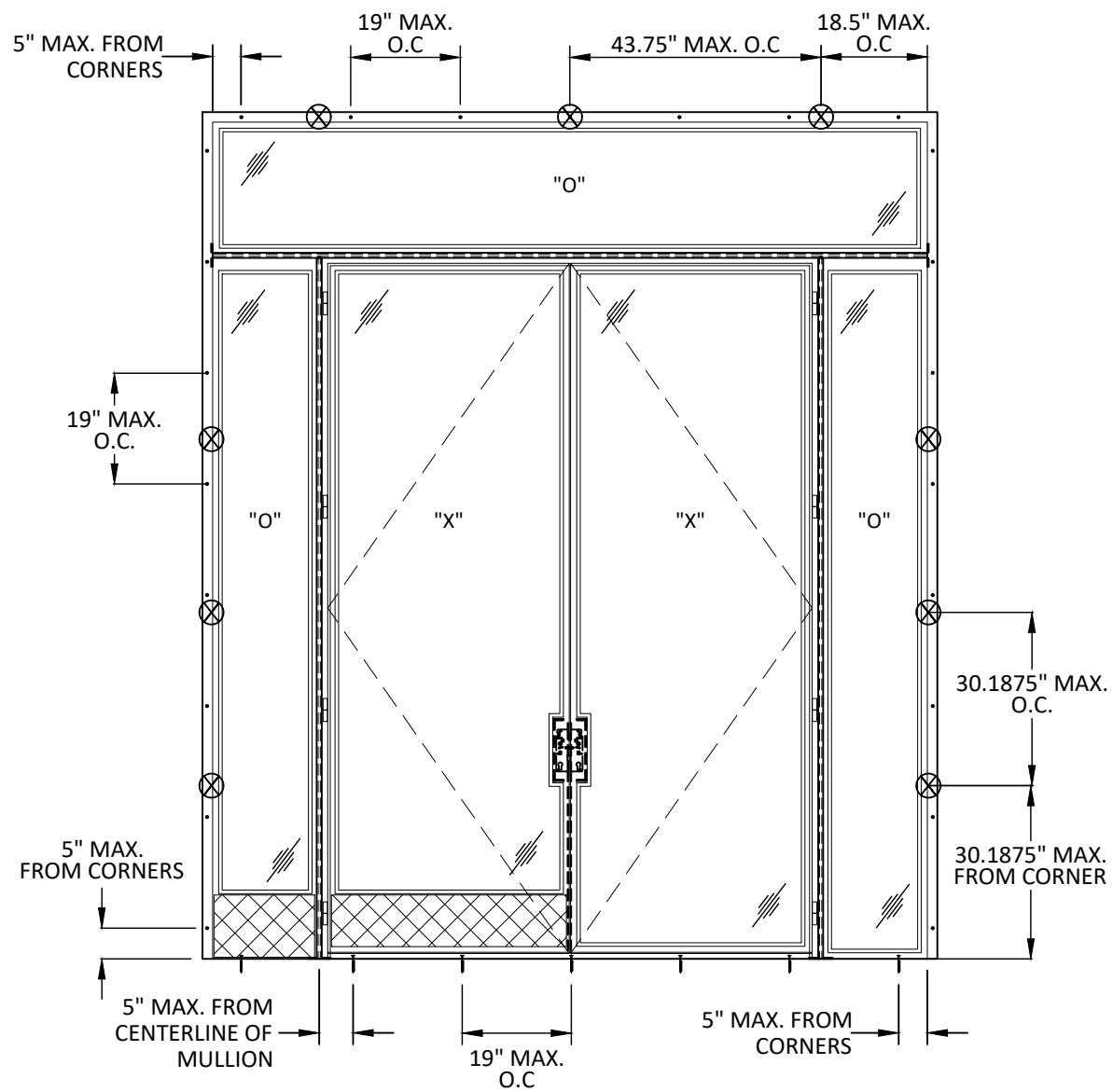
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ANCHOR LAYOUT
FRENCH DOOR

ANCHOR LEGEND	
⊗	= CLIP INSTALLATION
•	= NAIL FIN INSTALLATION

NOTE: SEE SHEETS 9, 10 & 11 FOR ANCHOR DETAILS AND INSTALLATION OPTIONS.



ANCHOR LAYOUT
FRENCH DOOR W/TRANSOM & SIDELITES

CLIP INSTALLATION - SEE DETAILS : F|10, A|11, B|11
NAIL FIN INSTALLATION - SEE DETAILS : A|9, B|9, C|9, A|10, B|10, C|10, D|10, E|10



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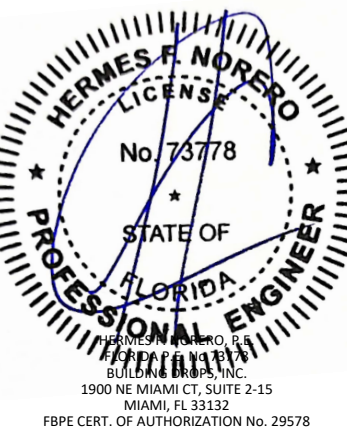
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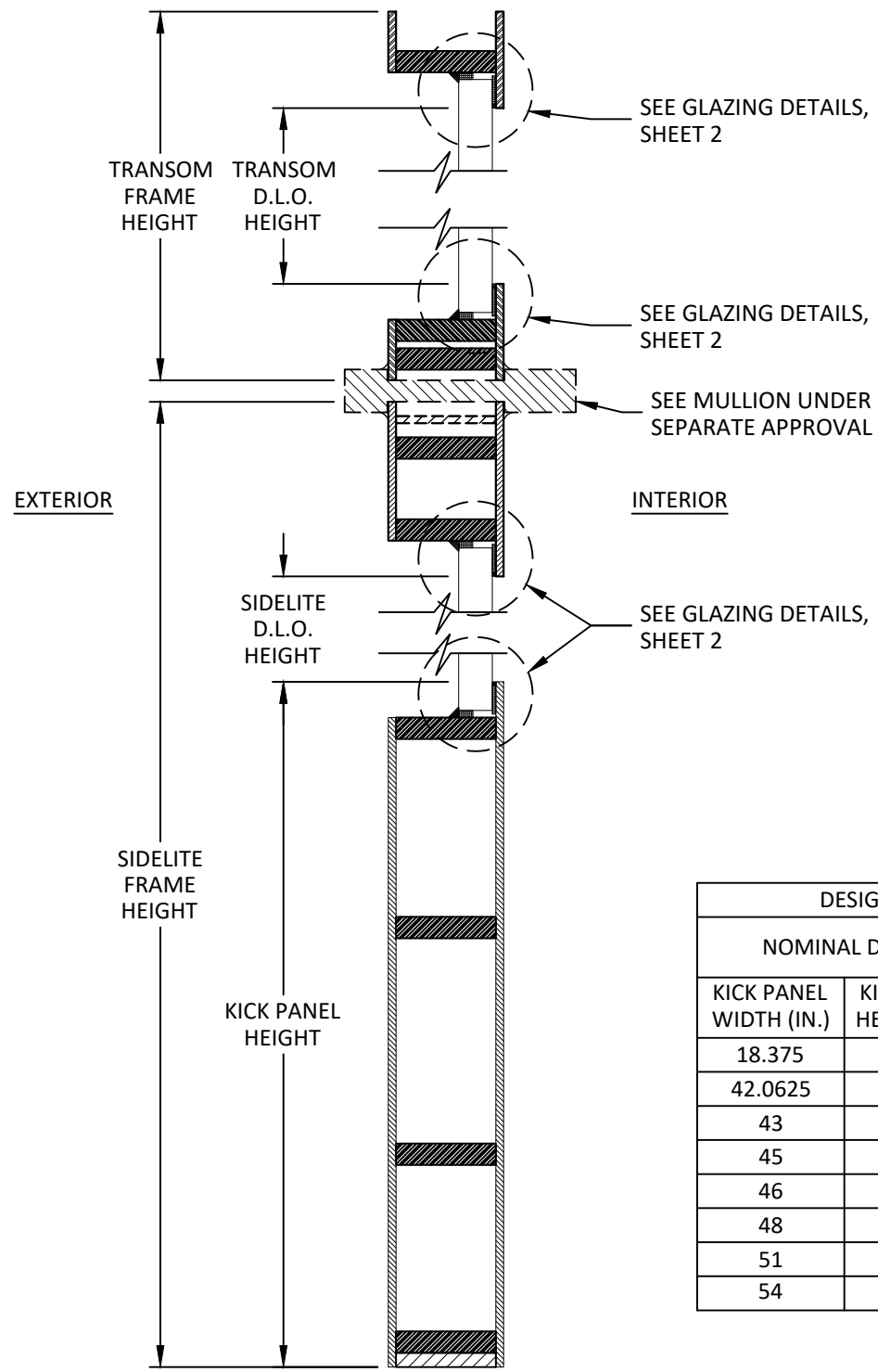
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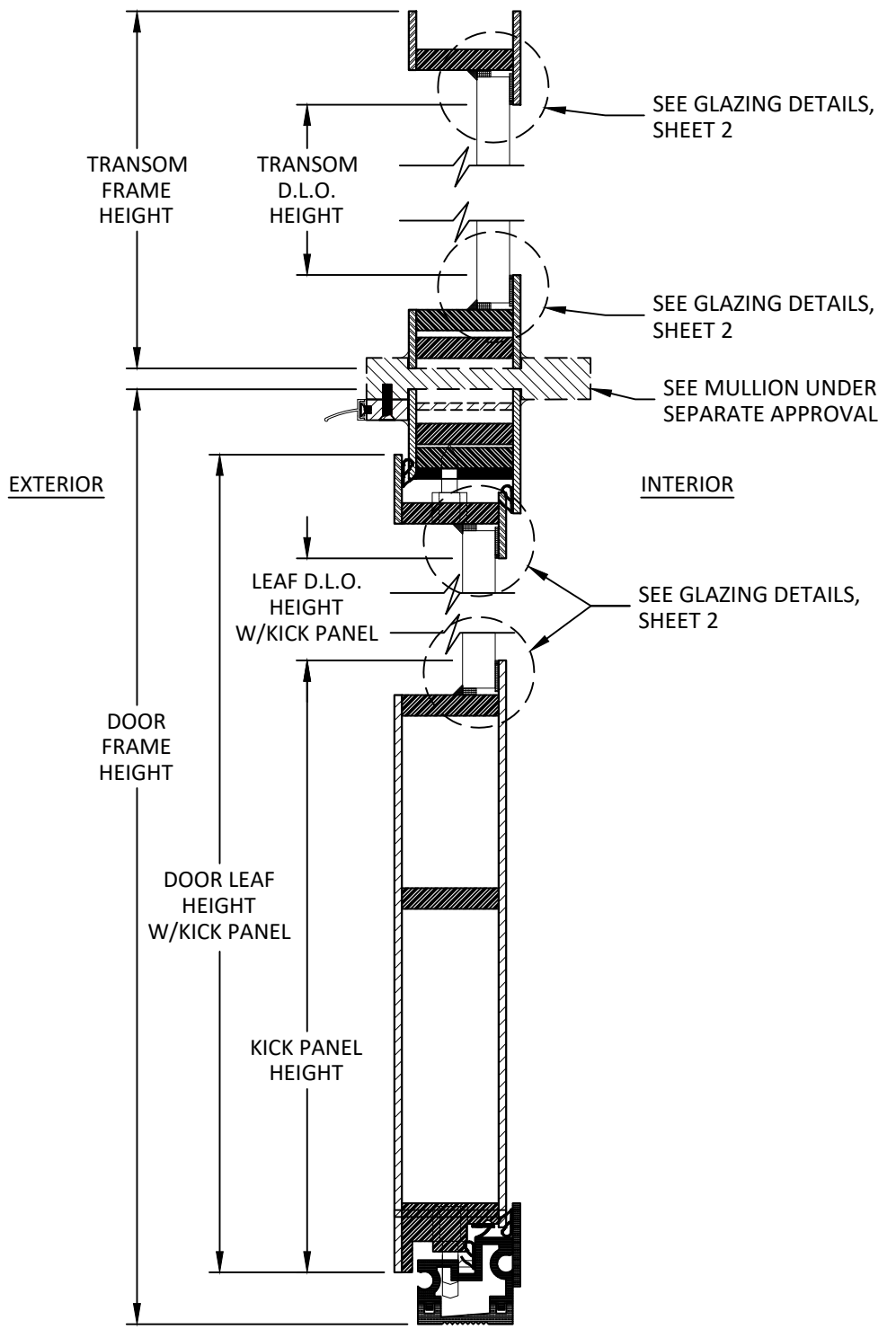
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A
6 **VERTICAL SECTION**
TRANSOM TO SIDELITE W/KICK PANEL

DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		DESIGN PRESSURE (PSF)	
KICK PANEL WIDTH (IN.)	KICK PANEL HEIGHT (IN.)	EXT. (+)	INT. (-)
18.375	12.002	60.0	65.0
42.0625	11.062	60.0	65.0
43	10	60.0	65.0
45	9	60.0	65.0
46	8	60.0	65.0
48	7	60.0	65.0
51	6	60.0	65.0
54	5	60.0	65.0



B
6 **VERTICAL SECTION**
TRANSOM TO FRENCH DOOR W/KICK PANEL

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VERTICAL SECTIONS

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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
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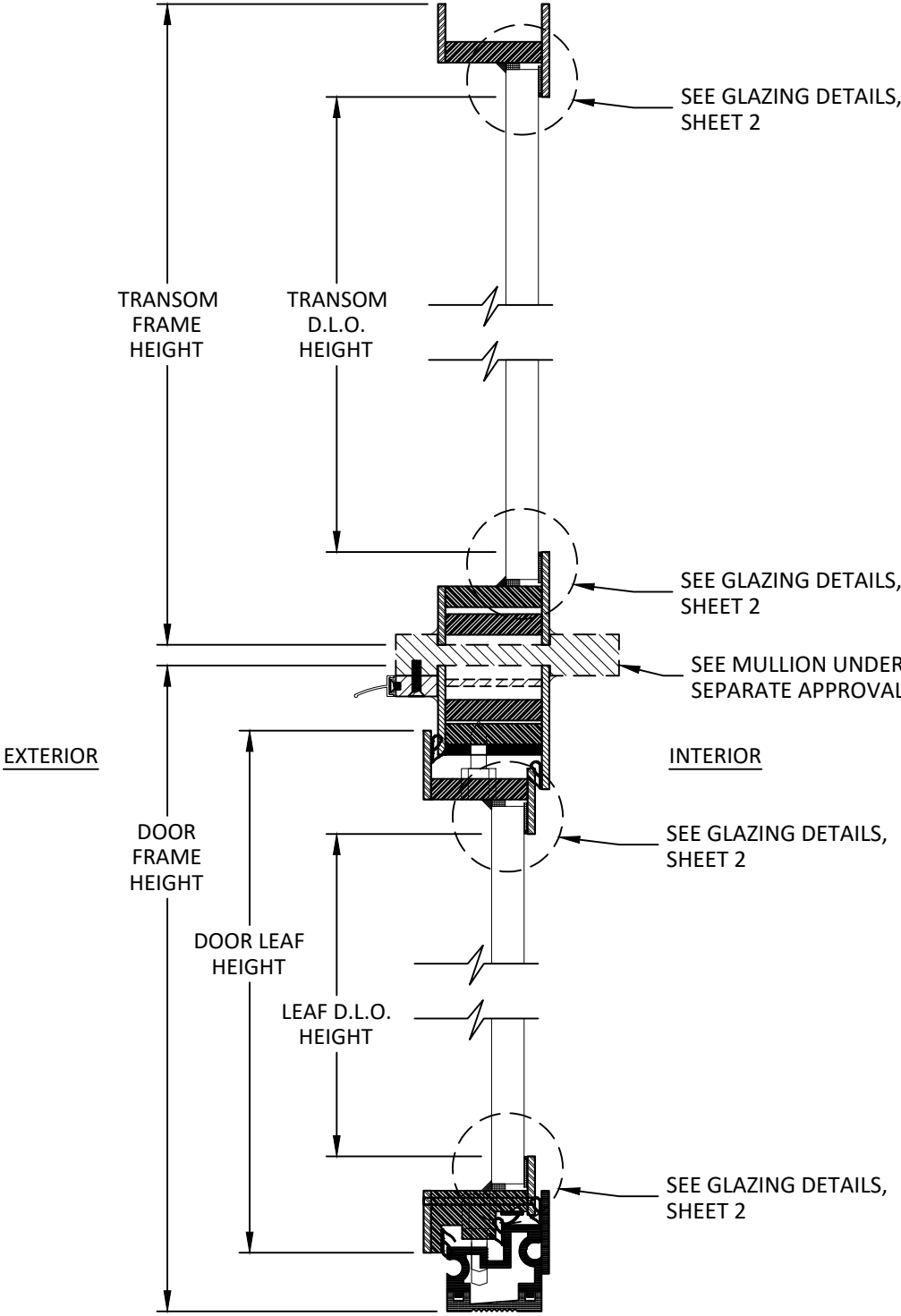
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SCALE: **NTS**

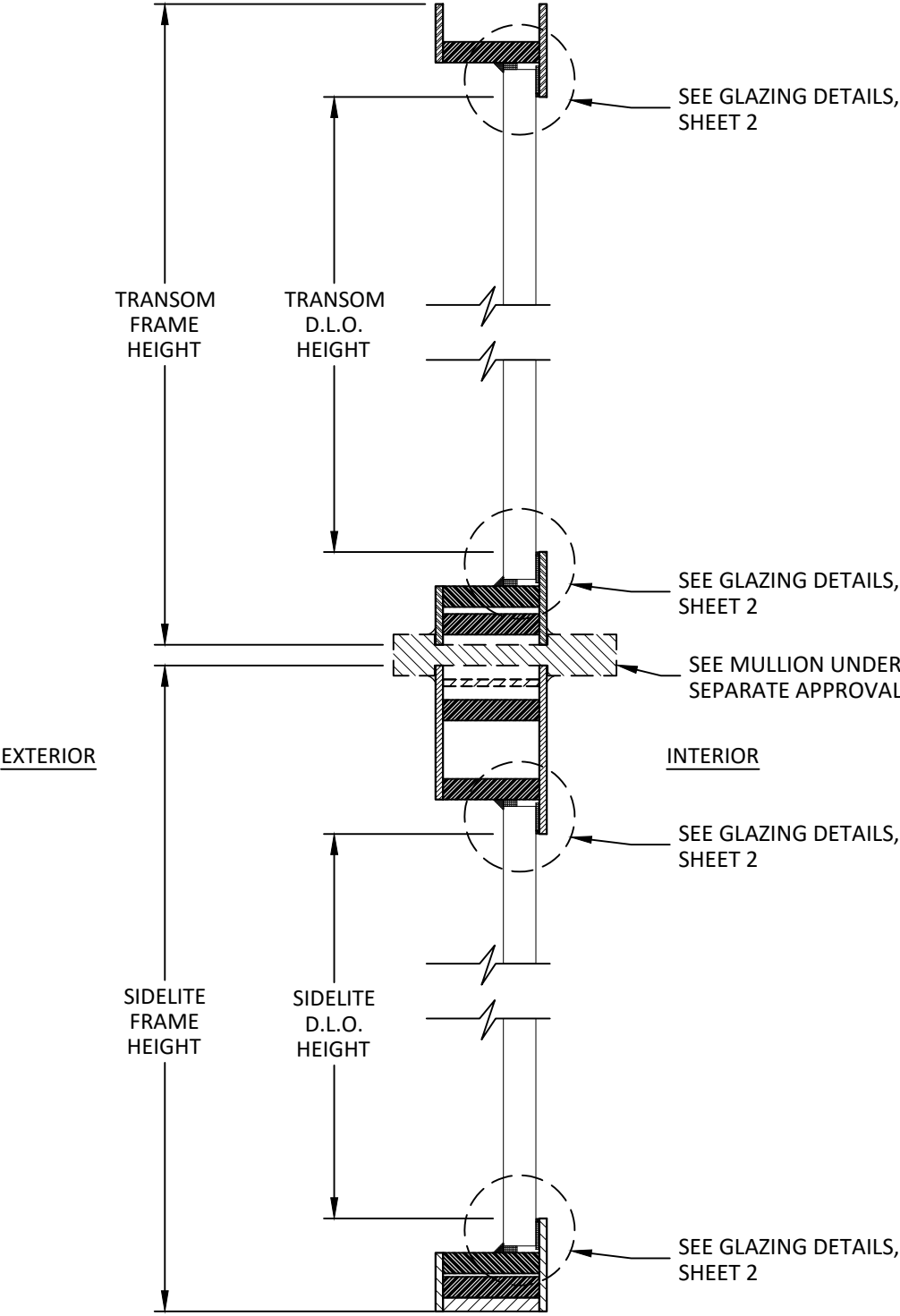
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A
7 **VERTICAL SECTION**
TRANSOM TO FRENCH DOOR



B
7 **VERTICAL SECTION**
TRANSOM TO SIDELITE



PORTELLA STEEL DOORS & WINDOWS
4111 TODD LN, SUITE 1000
AUSTIN, TX 78744
PH: (214)484-3134 FAX: (214)484-3357

TITLE:
ARTISAN SERIES FRENCH DOOR
(NON-HVHZ)/(NON-IMPACT)

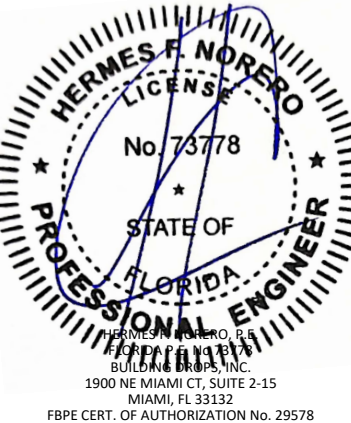
VERTICAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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HORIZONTAL SECTIONS

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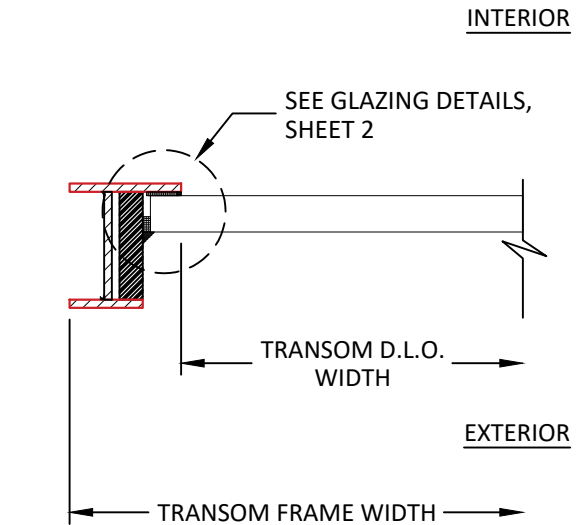


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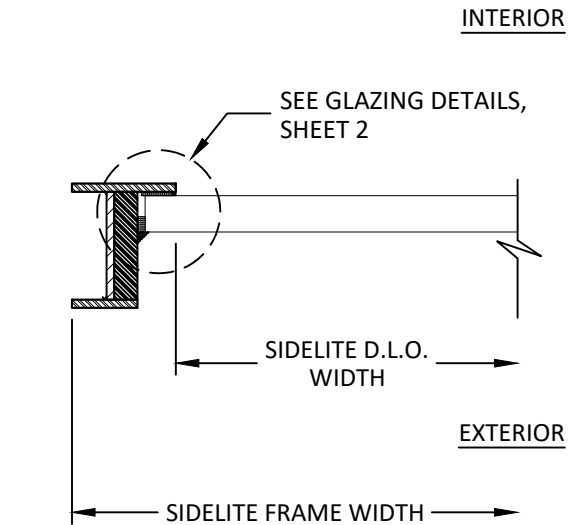
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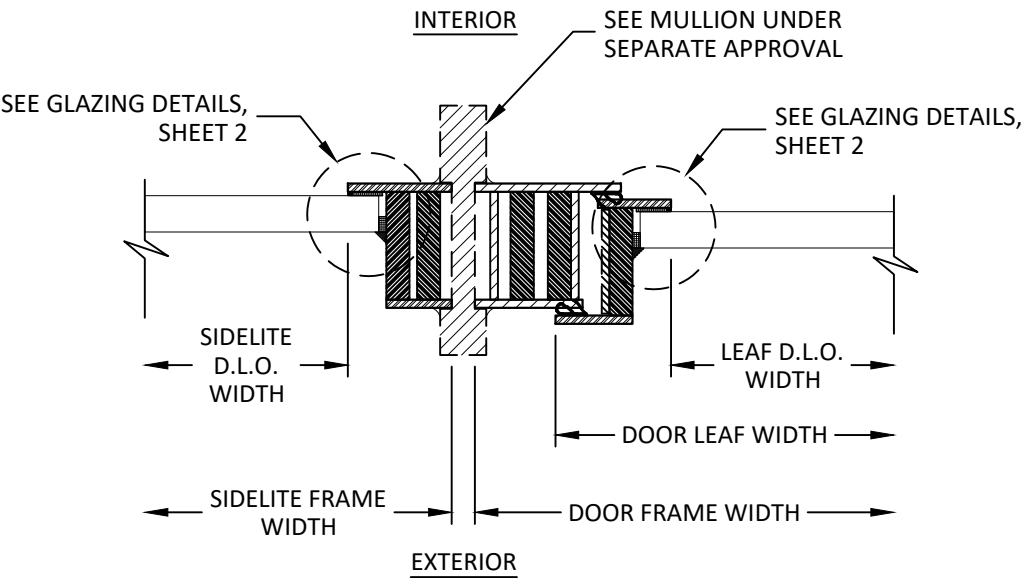
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SHEET:	8



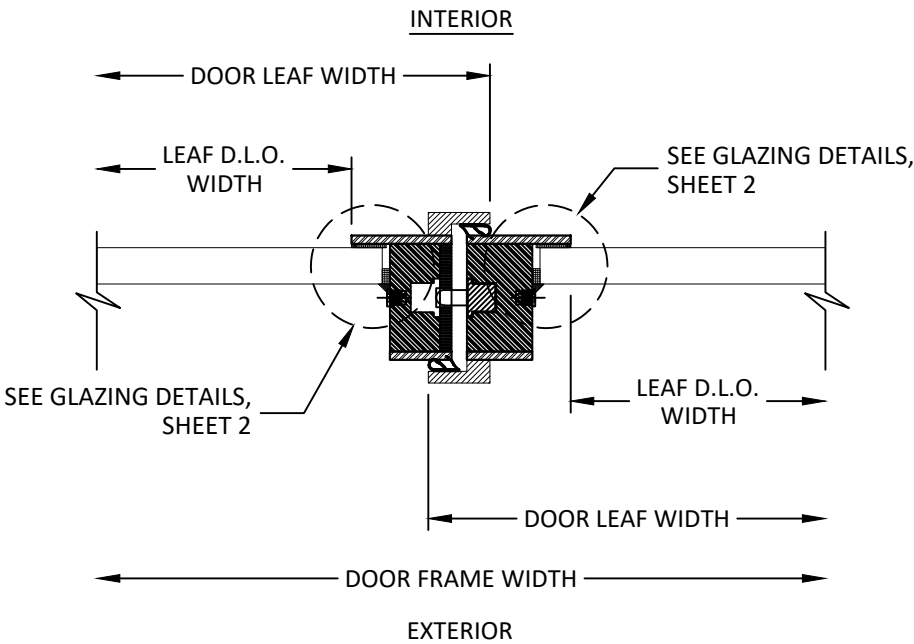
A
8 HORIZONTAL SECTION
TRANSOM



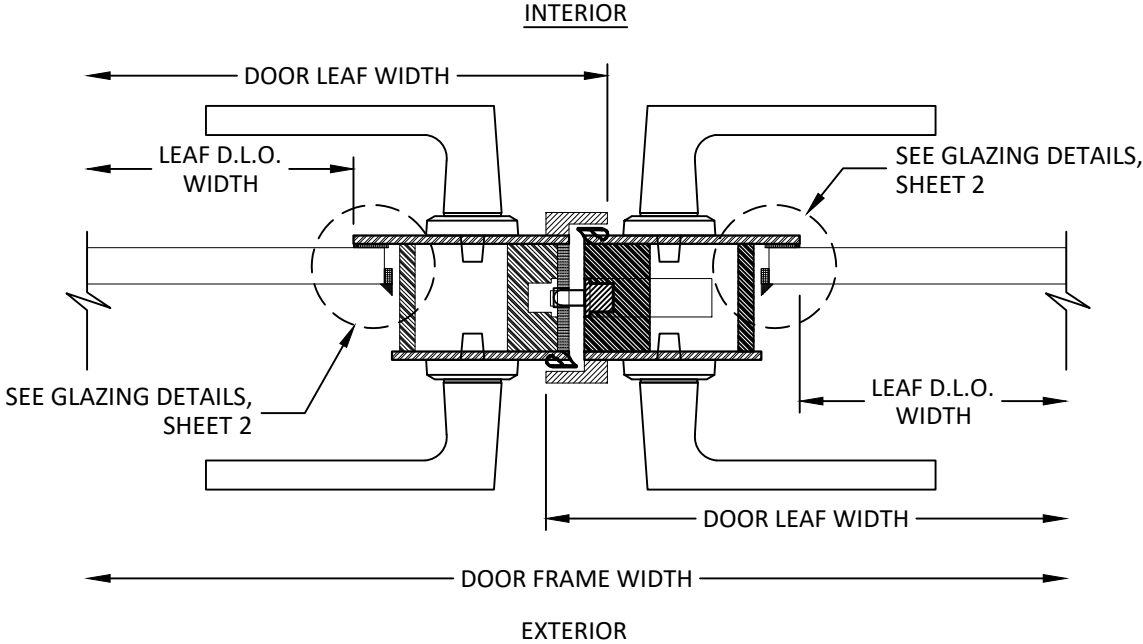
B
8 HORIZONTAL SECTION
SIDELITE



C
8 HORIZONTAL SECTION
SIDELITE TO FRENCH DOOR

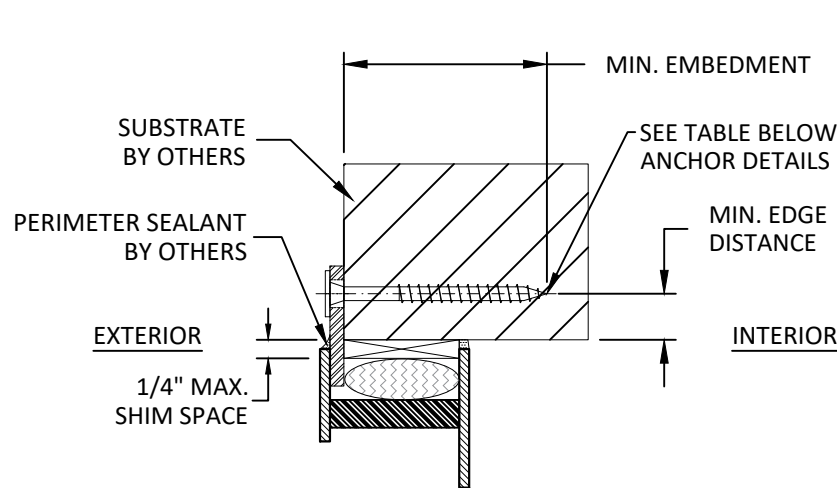


D
8 HORIZONTAL SECTION
MEETING STILE

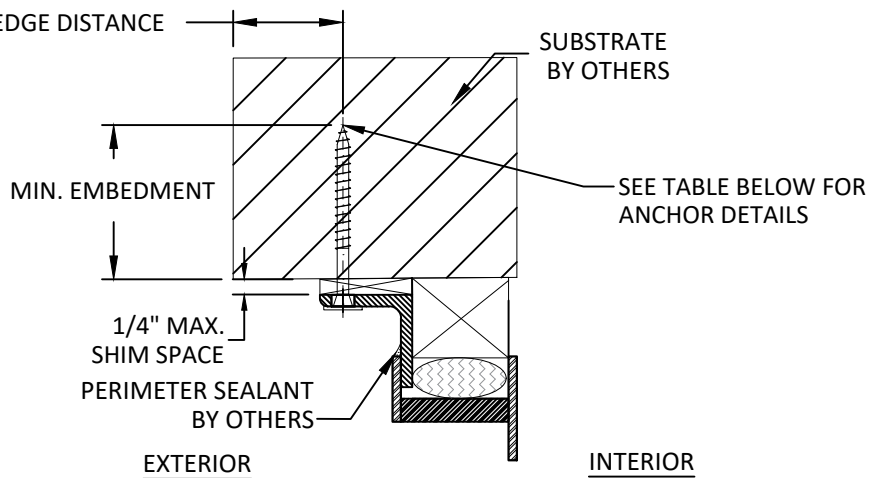


E
8 HORIZONTAL SECTION
LOCK BOX

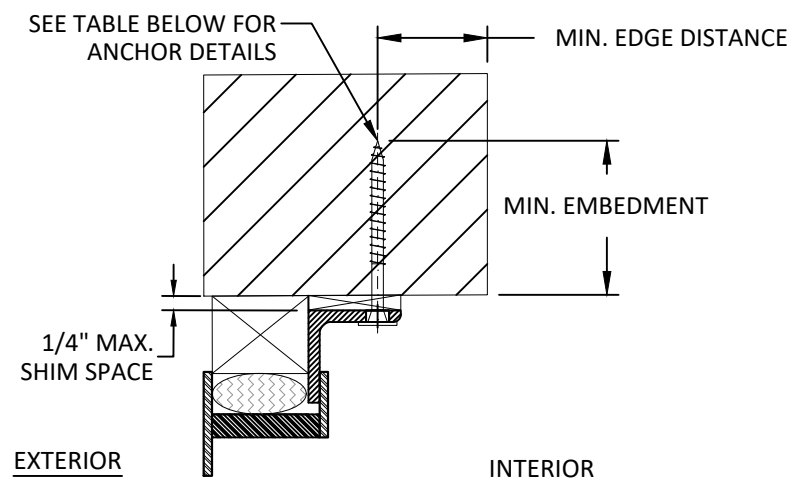
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A
9
ANCHOR DETAIL
HEAD - NAIL FIN
NOTE: JAMB SIMILAR



B
9
ANCHOR DETAIL
HEAD - EXTERIOR ANGLE
NOTE: JAMB SIMILAR



C
9
ANCHOR DETAIL
HEAD - INTERIOR ANGLE
NOTE: JAMB SIMILAR

INSTALLATION NOTES:

- ONE INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEET 5.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2"$ 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.
- 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
- INSTALLATION SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS FOR SEALING FIXED WINDOWS AND ACCESSORY ITEMS.

ANCHOR SCHEDULE					
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MIN. SPACING
NAIL FIN, THROUGH FRAME, ANGLE, FLANGE, & CLIP INSTALLATION	WOOD: MIN. SG = 0.55	5/16" LAG SCREW	1.50"	0.75"	0.75"
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	5/16" SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"	0.5"
	CONCRETE: f'c=3000PSI	5/16" ITW TAPCON	1.75"	2.50"	1.75"
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI		1.25"	4.00"	4.00"



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INSTALLATION NOTES &
ANCHOR DETAILS

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REMARKS	BY	DATE

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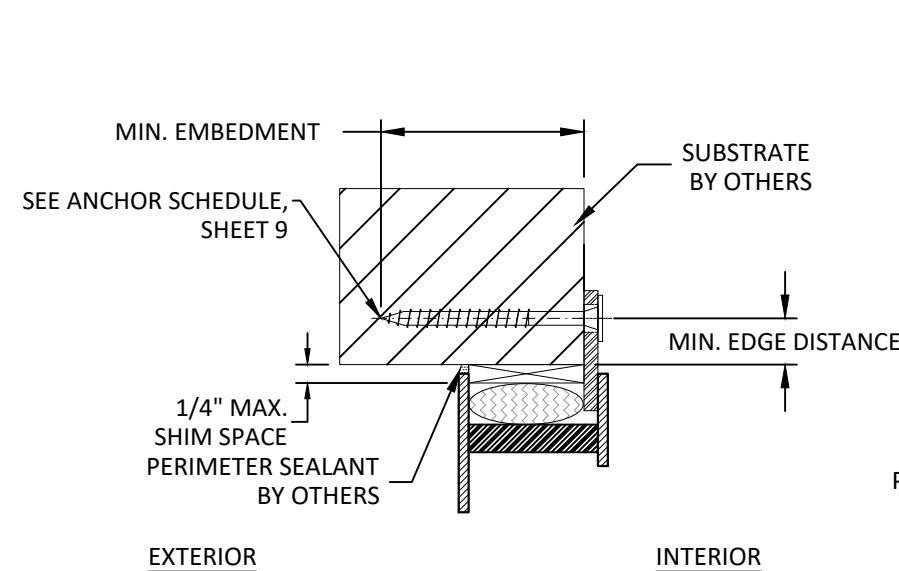
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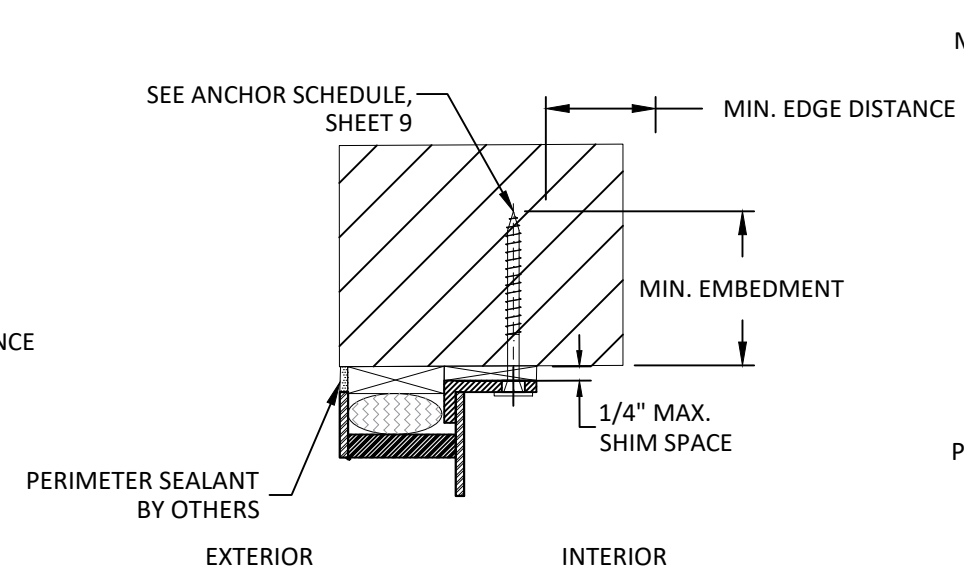
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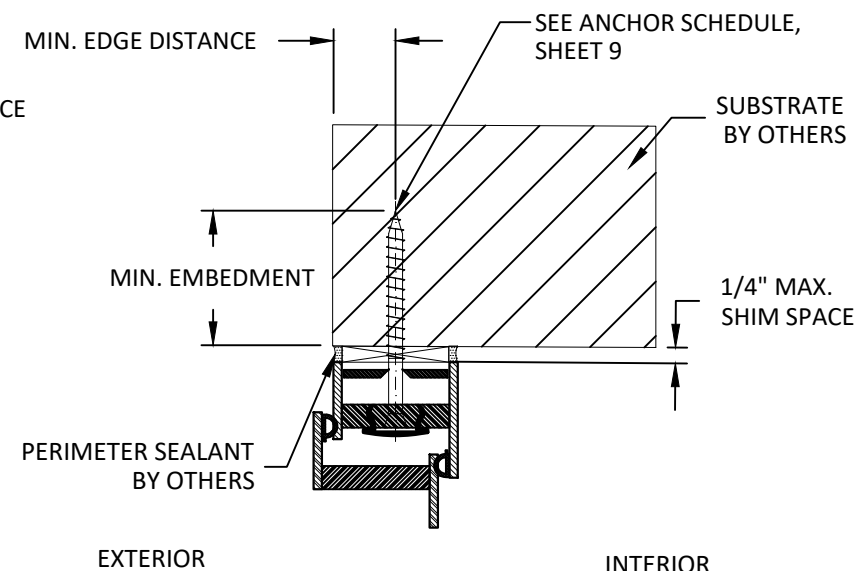
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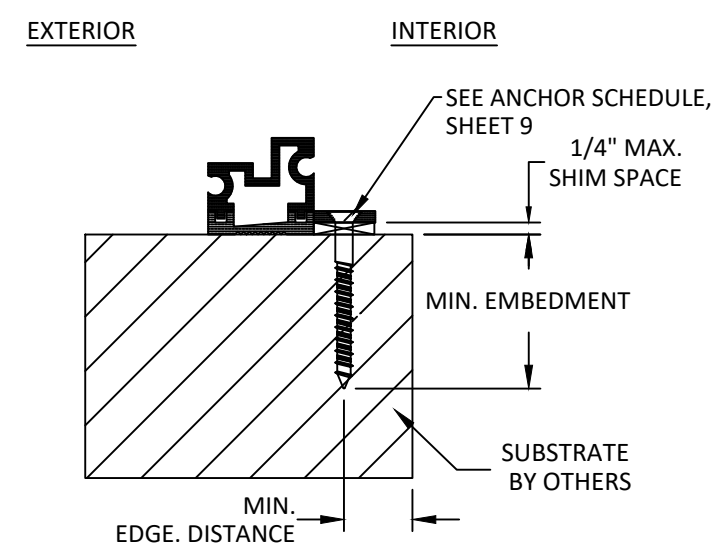
A
10 **ANCHOR DETAIL**
HEAD - INTERIOR NAIL FIN
NOTE: JAMB SIMILAR



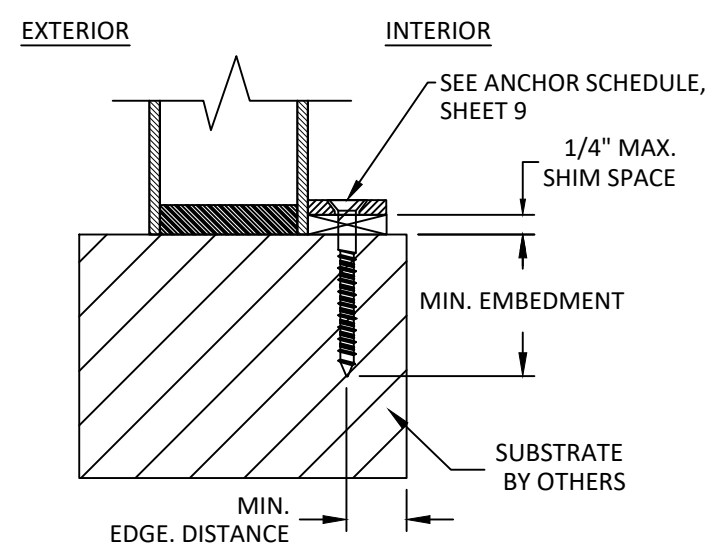
B
10 **ANCHOR DETAIL**
HEAD - INTERIOR FLANGE
NOTE: JAMB SIMILAR



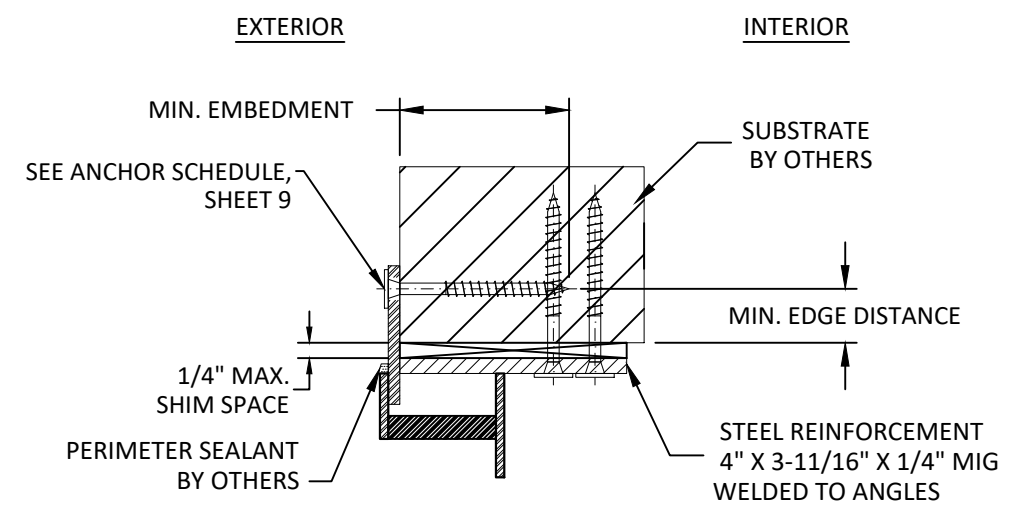
C
10 **ANCHOR DETAIL**
HEAD - THROUGH FRAME
NOTE: JAMB SIMILAR



D
10 **ANCHOR DETAIL**
DOOR THRESHOLD - FLANGE TAB



E
10 **ANCHOR DETAIL**
SILL - FLANGE TAB



F
10 **ANCHOR DETAIL**
HEAD - INTERIOR NAIL FIN & CLIP
NOTE: JAMB SIMILAR



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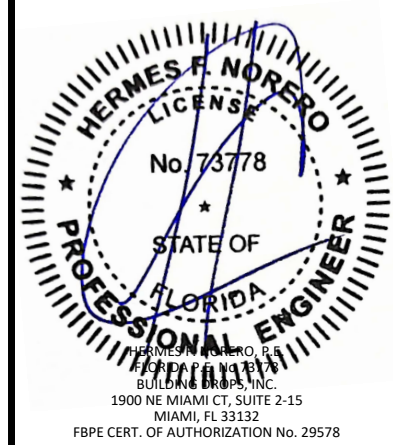
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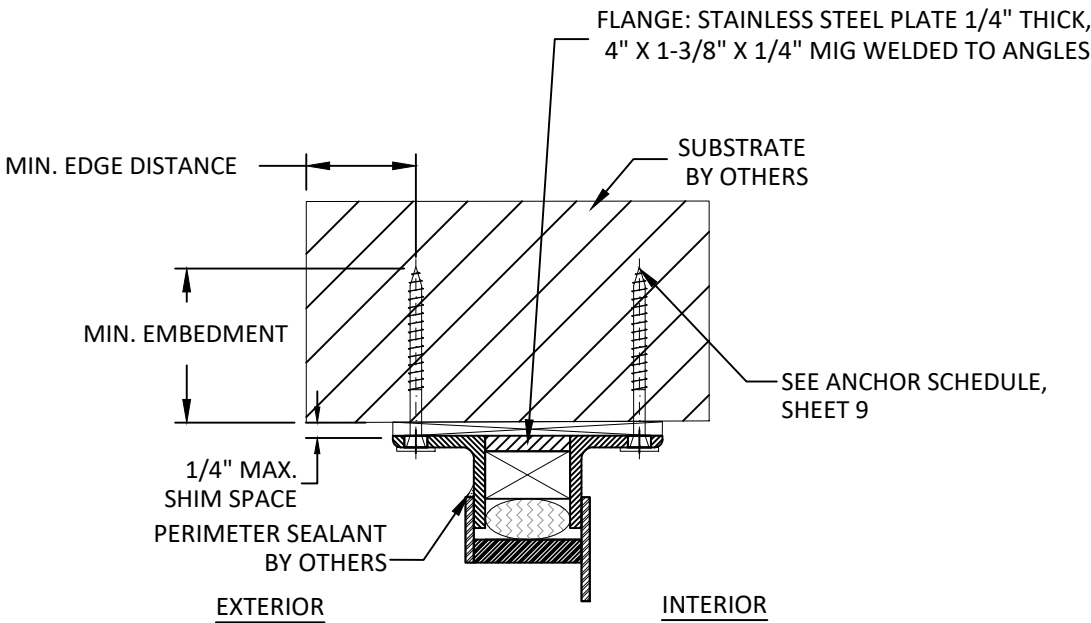
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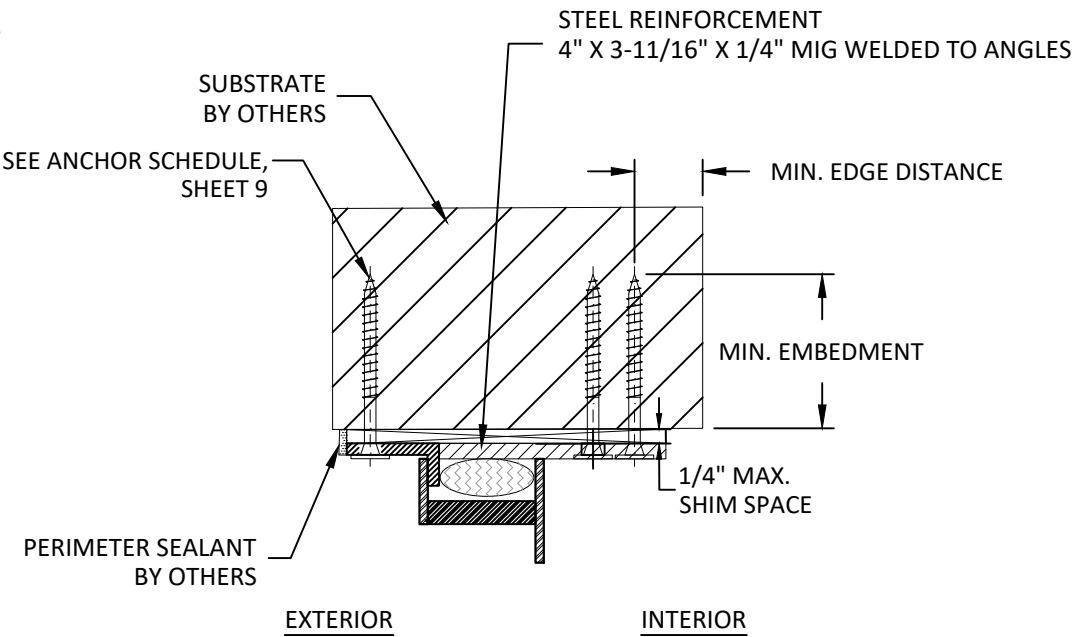


A
11

ANCHOR DETAIL

HEAD - EXTERIOR FLANGE CLIP

NOTE: JAMB SIMILAR



B
11

ANCHOR DETAIL

HEAD - INTERIOR FLANGE CLIP

NOTE: JAMB SIMILAR



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