

REILLY ARCHITECTURAL

SERIES 6170 OUTSWING FRENCH 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: MAHOGANY
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAILS.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEETS 6, 7, AND 8.
- 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 INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/2 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.

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DESIGN PRESSURE RATING (PSF)				
WIDTH (IN.)	HEIGHT (IN.)	CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
78-5/8"	120"	XX	+70/-70	LARGE & SMALL MISSILE IMPACT
41-5/16"	120"	X	+70/-70	
78-5/8"	180"	O/XX	+70/-70*	
194-1/2"	120"	OOXXO	+70/-70*	

*NOTE: CONFIGURATIONS USING DETAIL E/11 SHALL BE LIMITED TO +/- 39.0 PSF.

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TITLE: SERIES 6170 OUTSWING
FRENCH DOOR
(HVHZ)(IMPACT)
GENERAL NOTES &
INSTALLATION NOTES

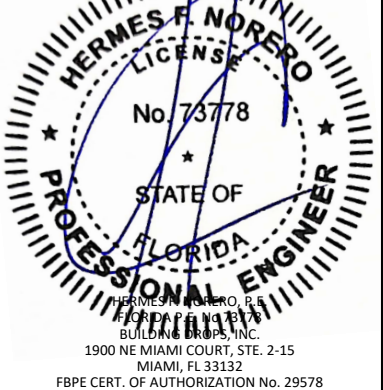
PREPARED BY: BUILDING DROPS, INC.
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FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.04.16 11:24:51 -0400



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DATE: 03.16.2026

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CHK. BY: HFN

SCALE: NTS

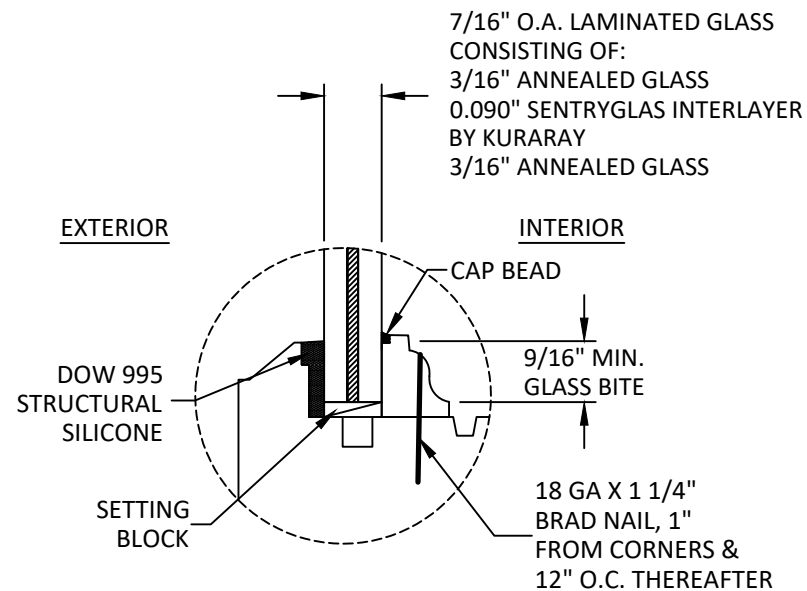
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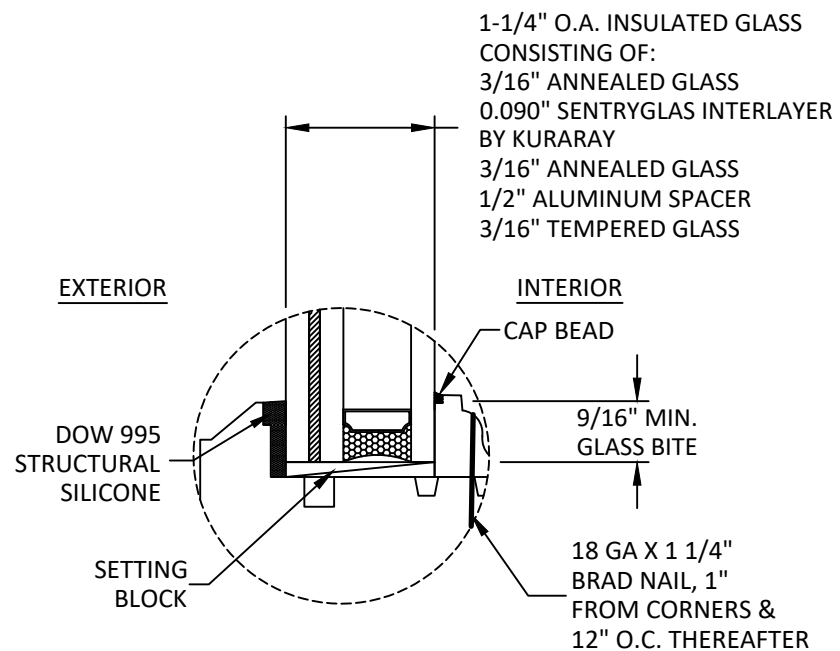
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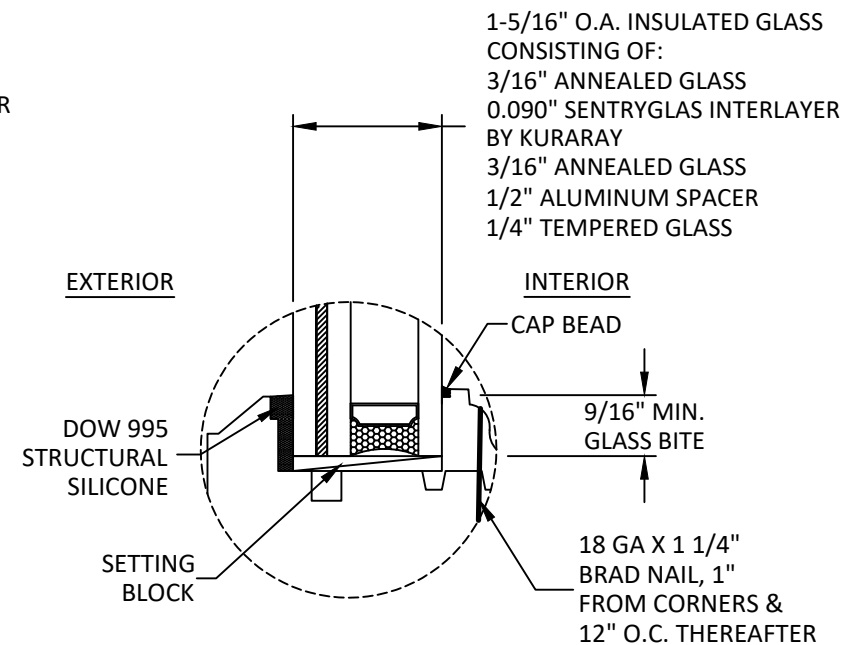
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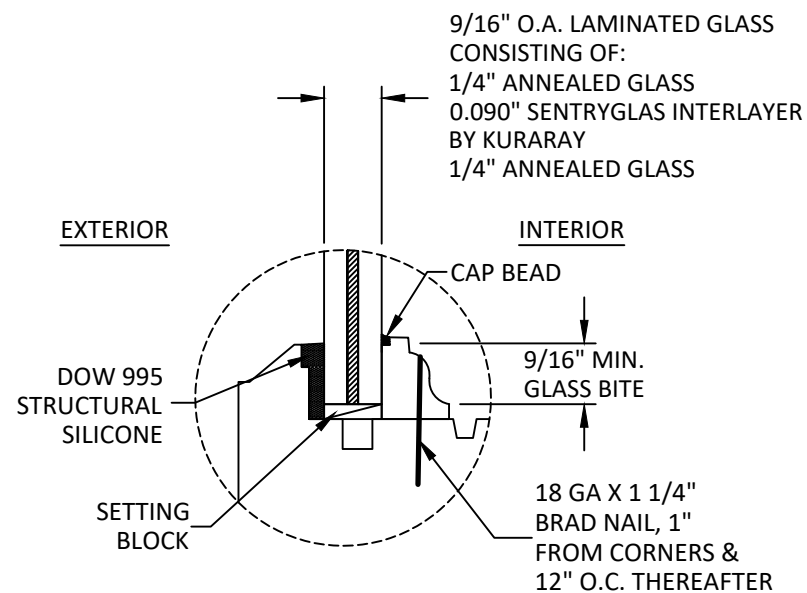
GLAZING DETAIL 1



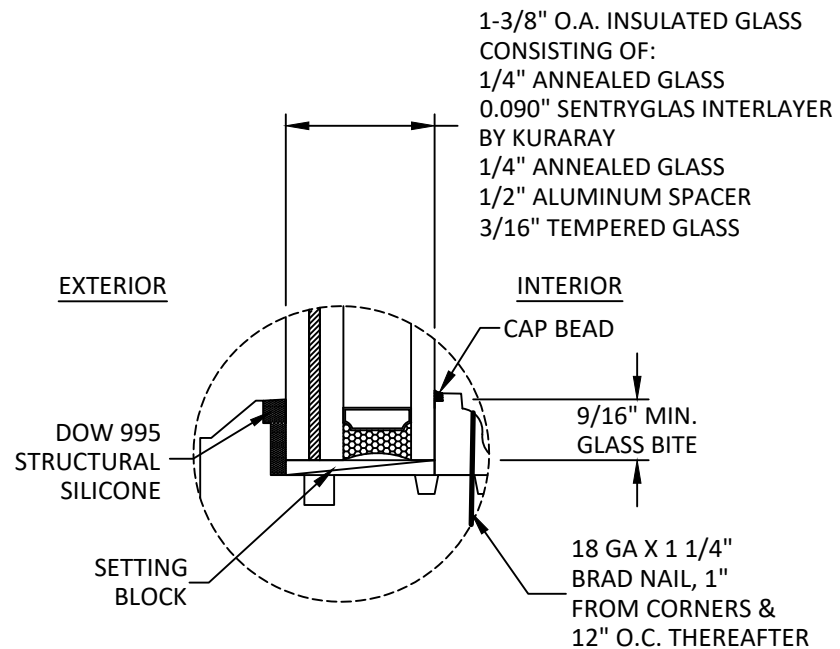
GLAZING DETAIL 2



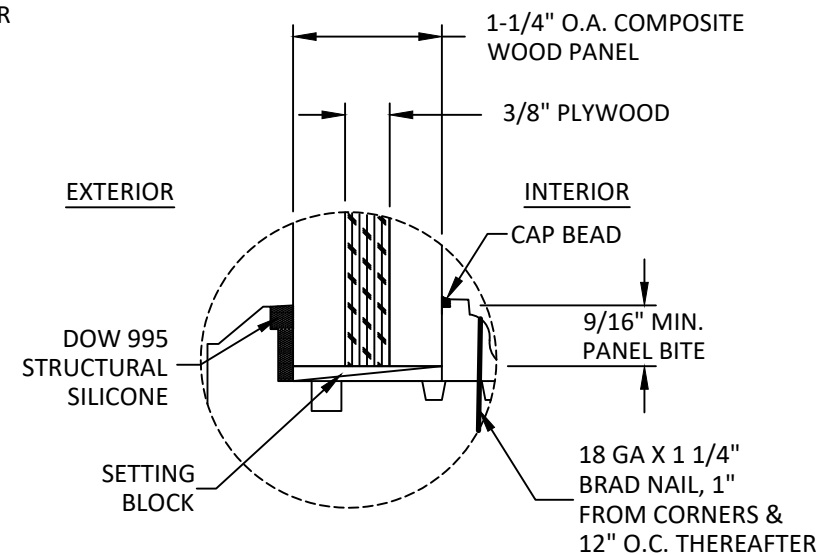
GLAZING DETAIL 3



GLAZING DETAIL 4



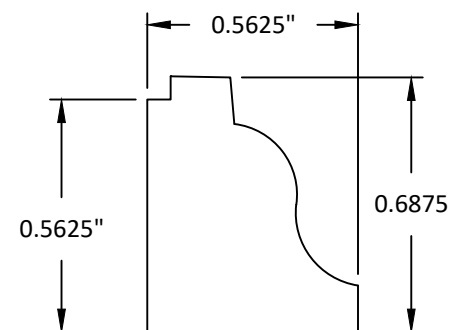
GLAZING DETAIL 5



GLAZING DETAIL 6
KICK PANEL

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" AS PER FBC CHAPTER 24.
4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.
5. ALTERNATE GLAZING BEADS QUALIFIED AS LONG AS THE MOMENT OF INERTIA VALUE OF THE DESIRED BEAD IS EQUAL TO OR GREATER THAN THE TESTED BEAD SHOWN ON THE RIGHT.



MOMENT OF INERTIA ABOUT THE Y-AXIS = 0.0051 IN⁴

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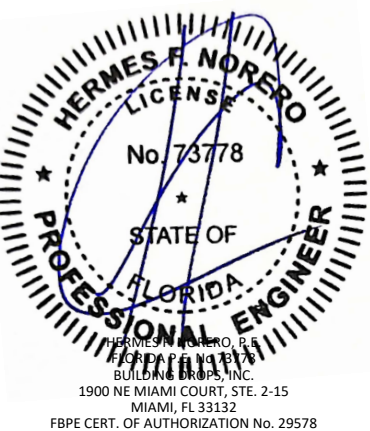
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FRENCH DOOR
(HVHZ)(IMPACT)
GLAZING DETAILS

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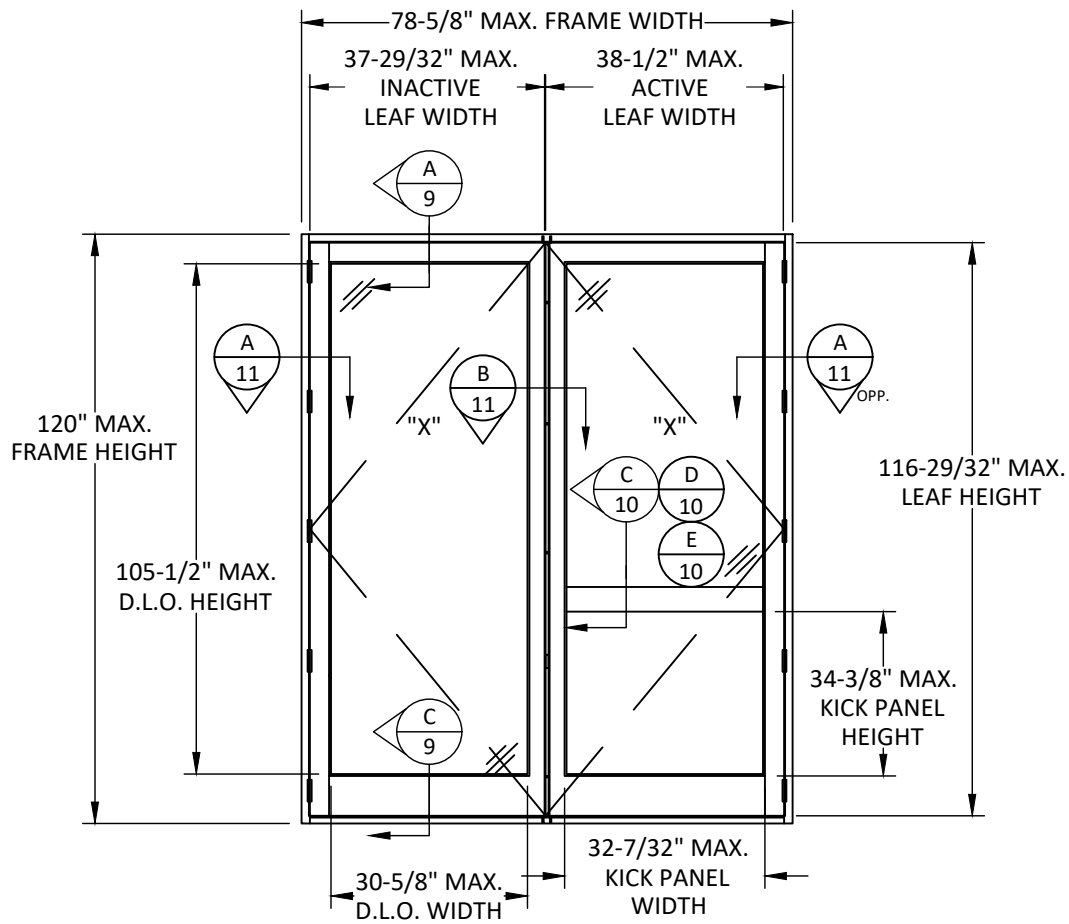
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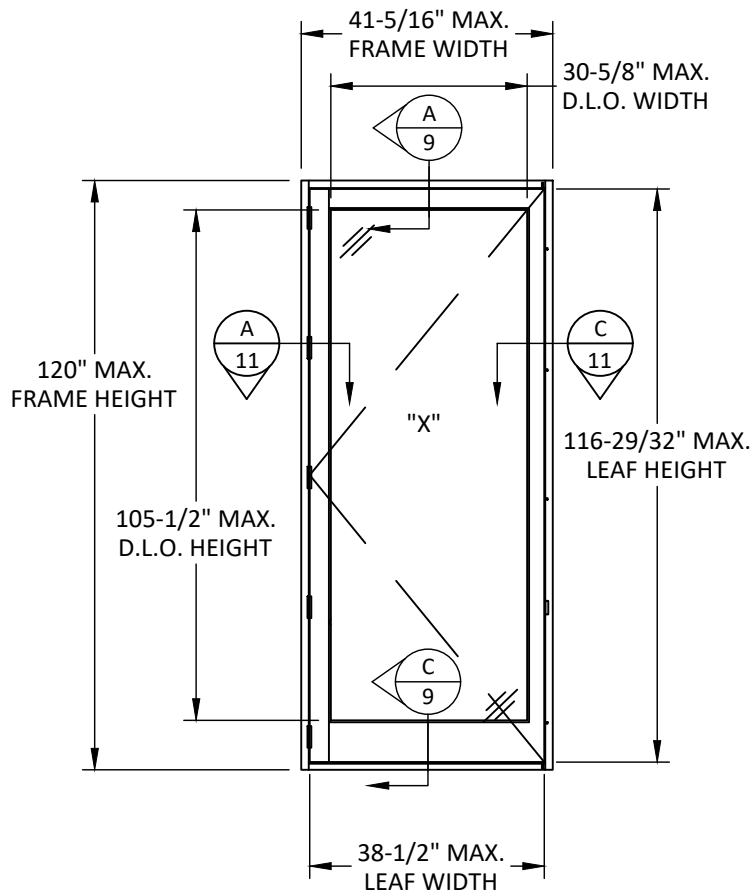
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ELEVATION
FRENCH DOOR



ELEVATION
SINGLE DOOR

- NOTES:
- SEE SHEET 5 FOR QUALIFIED CONFIGURATIONS.
 - KICK PANEL IS OPTIONAL.

- HARDWARE NOTES:
- NINE (9) CAM LOCKS TOTAL FOR FRENCH DOORS AND SEVEN (7) CAM LOCKS TOTAL FOR SINGLE DOORS.
 - EACH DOOR SHALL UTILIZE BRASS BUTT HINGES SPACED 8" MAX. FROM ENDS AND 25" MAX. O.C. THEREAFTER.
 - LOCK STILE SHALL UTILIZE MULTI-POINT LOCK ASSEMBLY WITH 5 LOCK POINTS.

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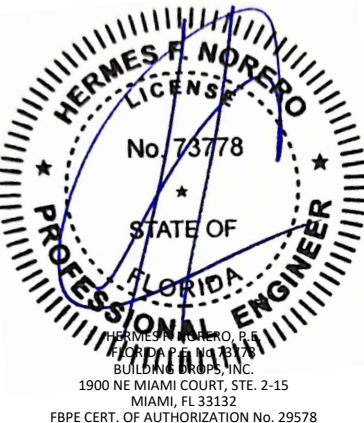
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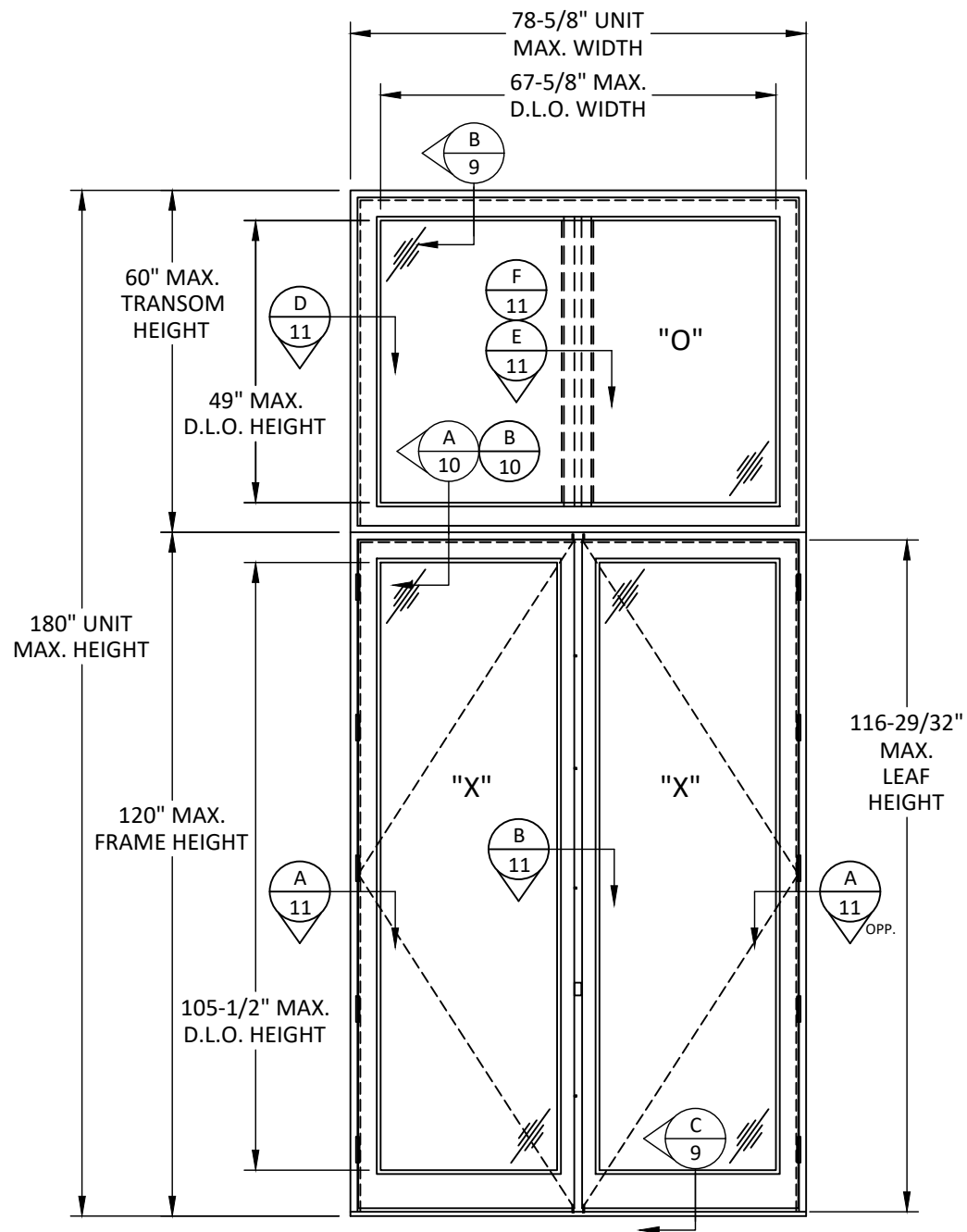
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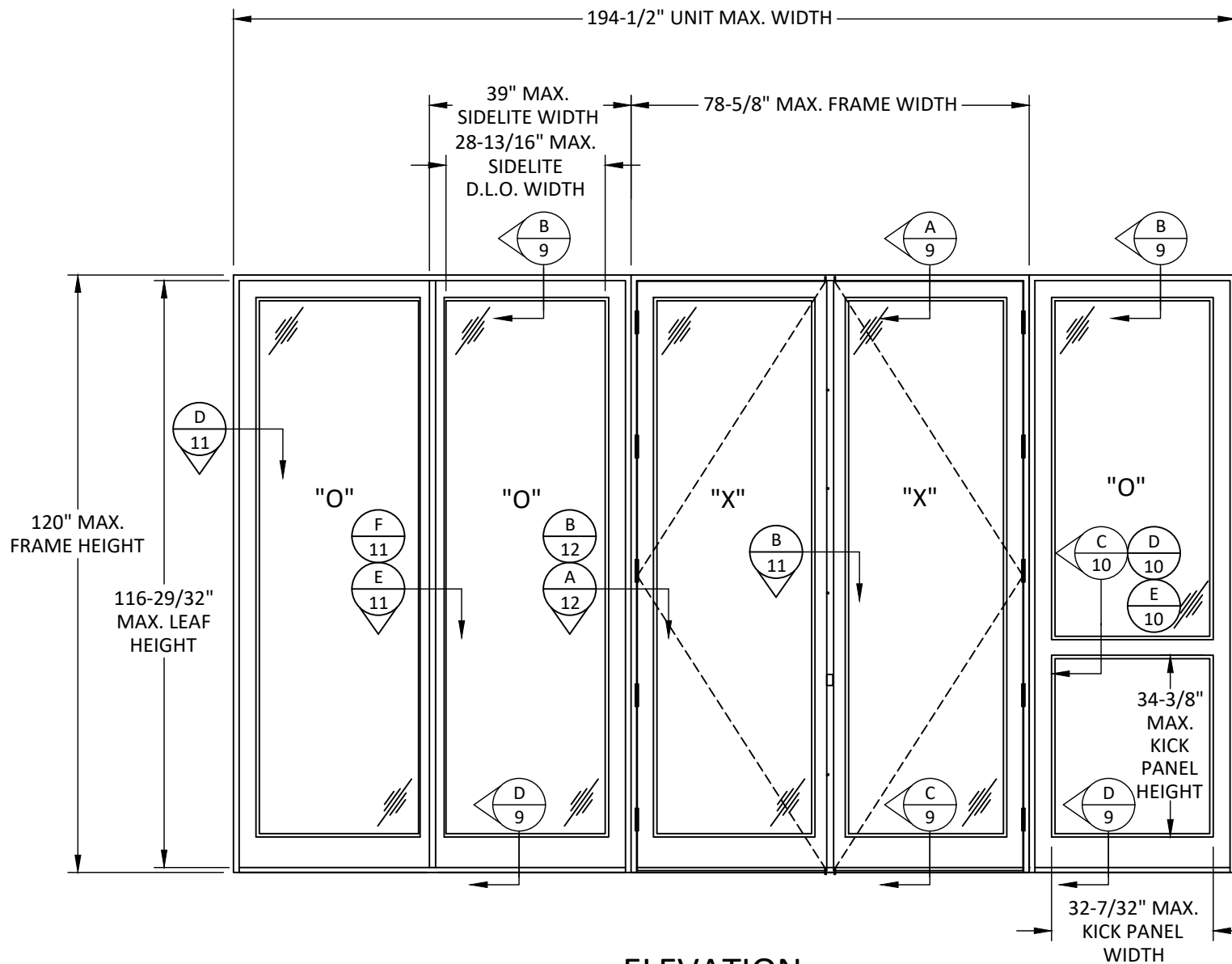
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ELEVATION
FRENCH DOOR WITH TRANSOM



ELEVATION
FRENCH DOOR WITH SIDELITES

- NOTES:
- SEE SHEET 5 FOR QUALIFIED CONFIGURATIONS.
 - KICK PANEL IS OPTIONAL.

- HARDWARE NOTES:
- NINE (9) CAM LOCKS TOTAL FOR FRENCH DOORS AND SEVEN (7) CAM LOCKS TOTAL FOR SINGLE DOORS.
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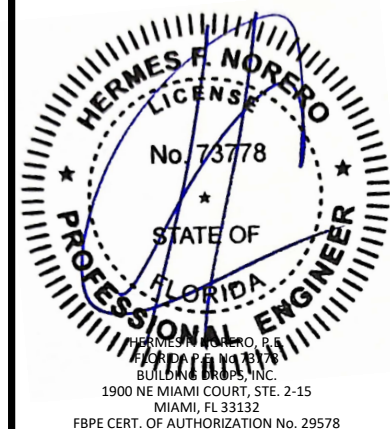
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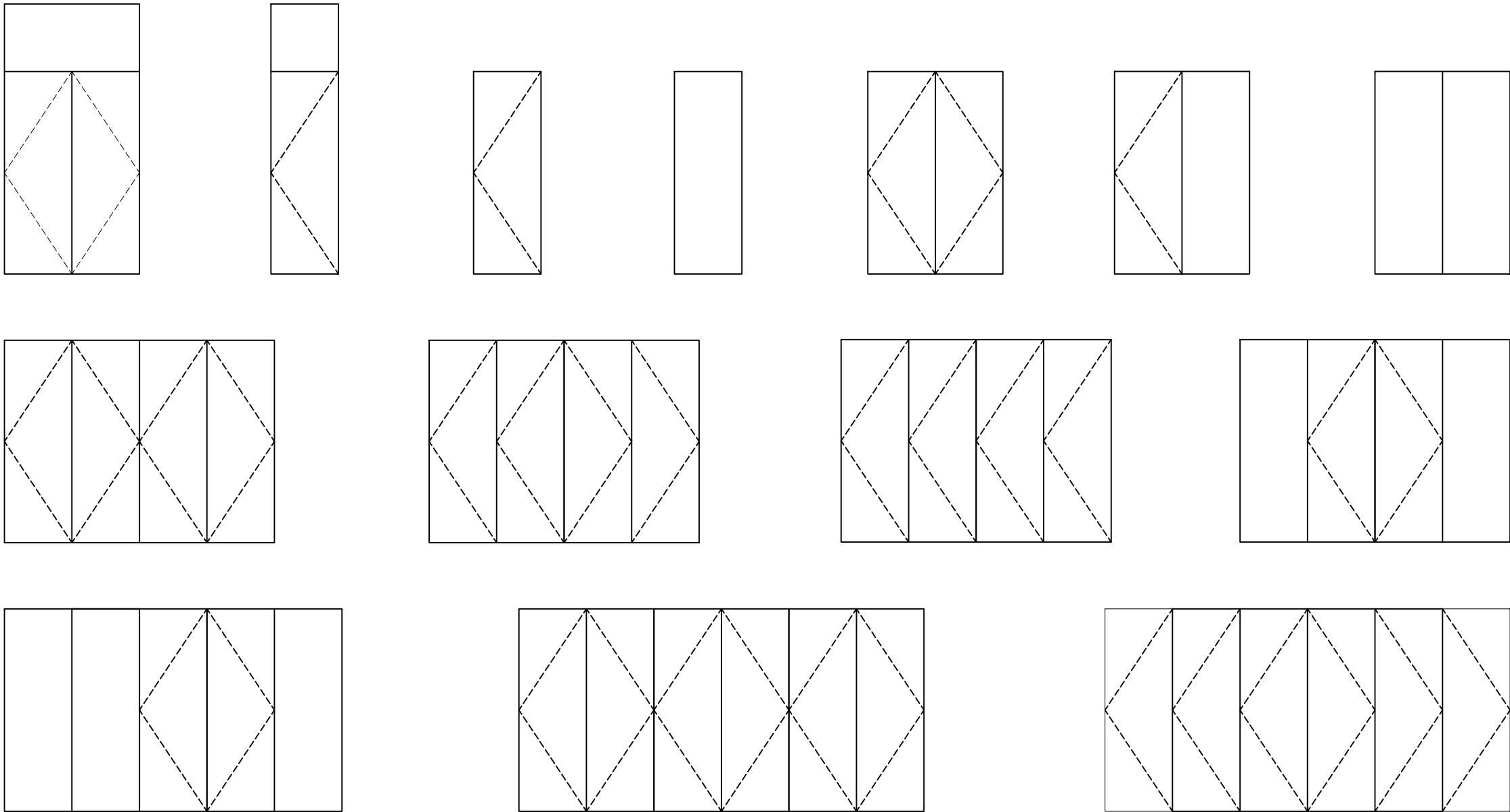
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QUALIFIED CONFIGURATIONS



- QUALIFIED CONFIGURATIONS NOTES:
- 1. SHOWN CONFIGURATIONS ARE QUALIFIED BASED ON TESTING SUCH THAT THEY DO NOT EXCEED THE MAXIMUM D.L.O. OR SASH DIMENSIONS SHOWN ON ELEVATION.
 - 2. OPERABLE DOORS IN THE MULLED CONFIGURATIONS SHOWN ABOVE MAY BE REPLACED WITH SIDELITES.
 - 3. KICK PANEL IS QUALIFIED IN ANY CONFIGURATION SHOWN AS LONG AS MAXIMUM SQUARE FOOTAGE AREA OF THE PANEL IS NOT EXCEEDED.

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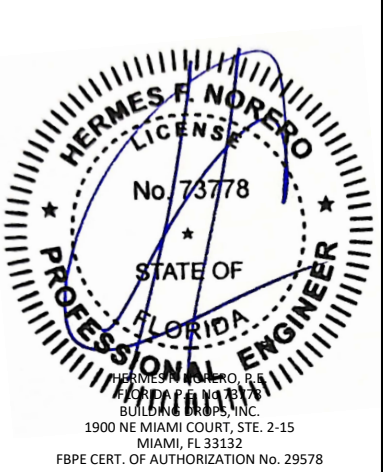
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QUALIFIED CONFIGURATIONS

**BUILDING DROPS**

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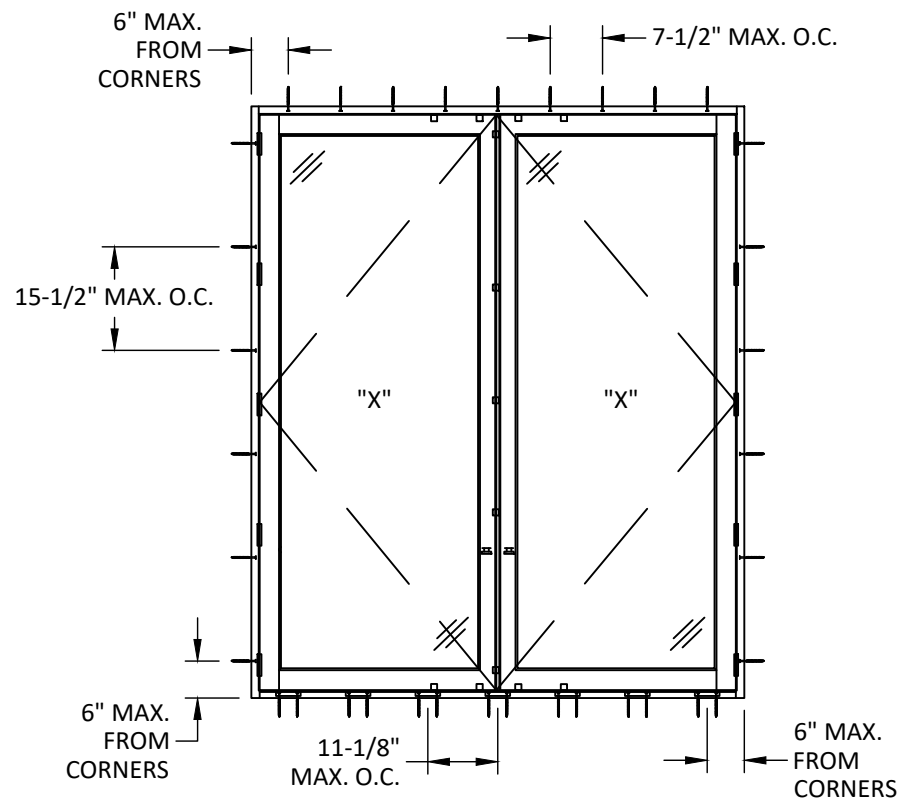
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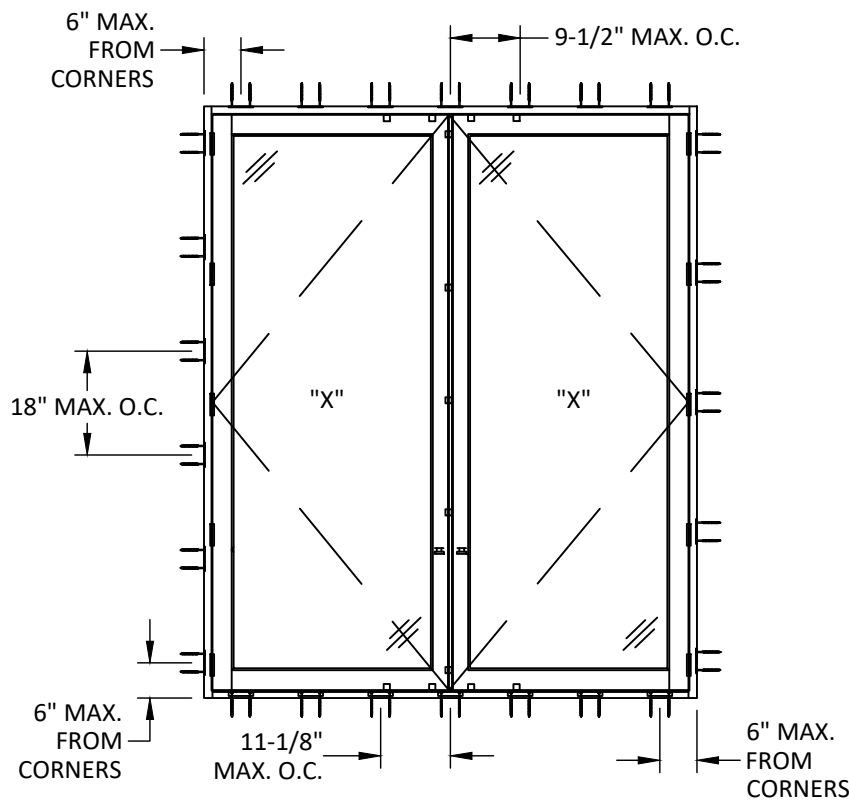
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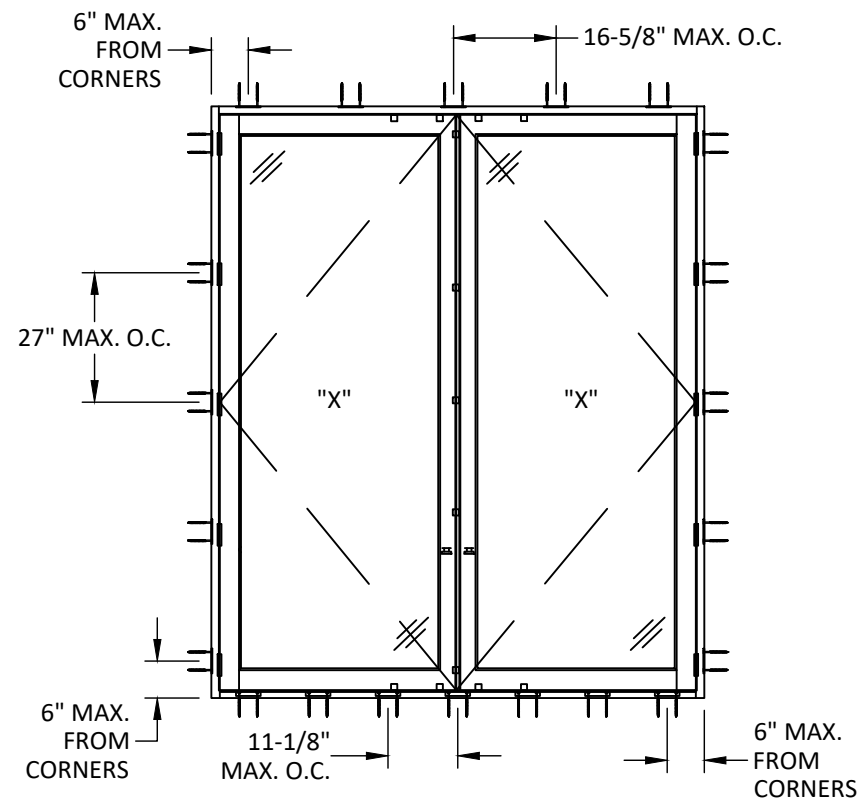
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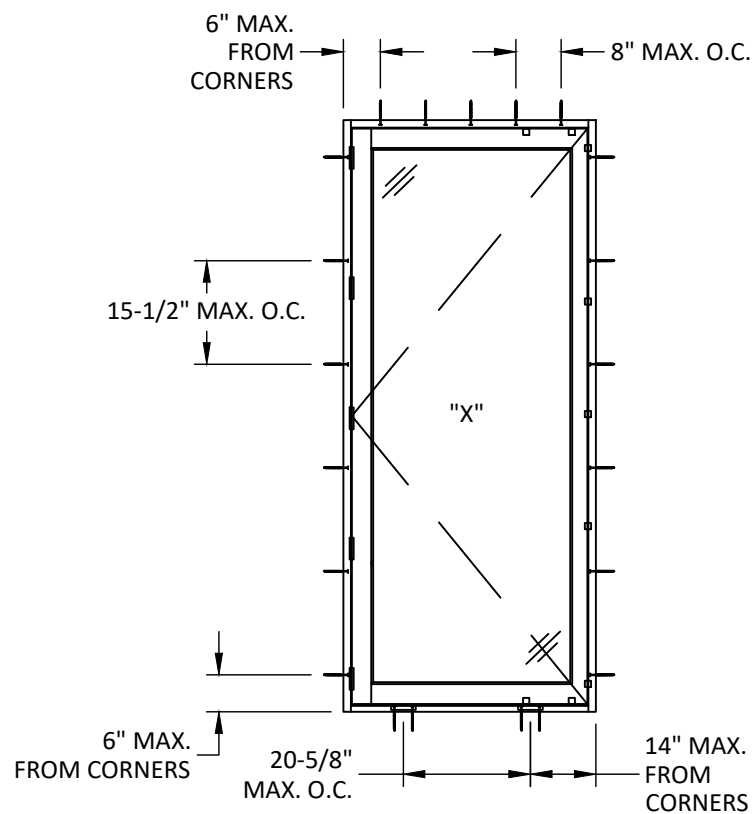
ANCHOR LAYOUT
THROUGH FRAME - HEAD & JAMBS
ANGLE CLIP - SILL



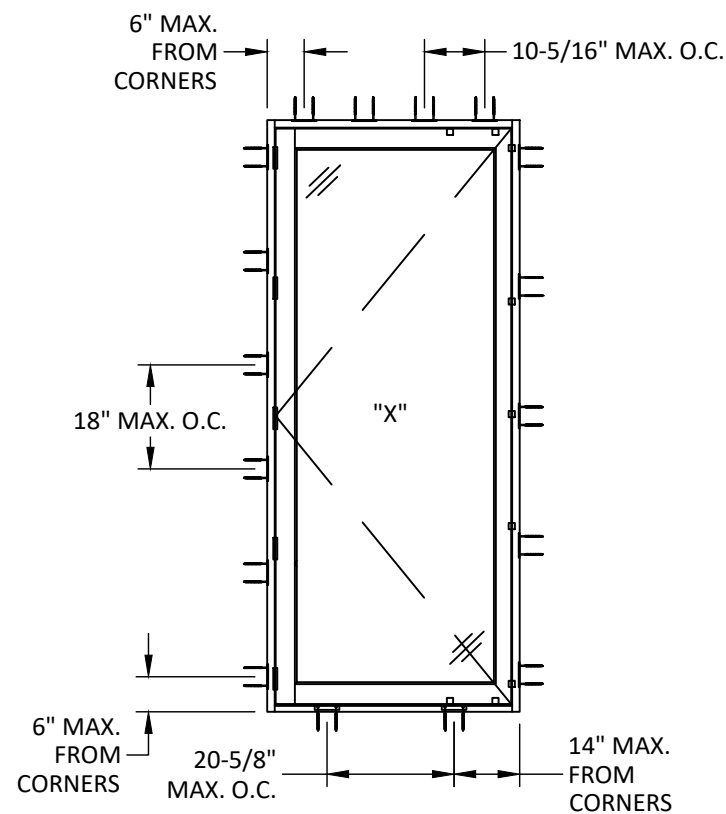
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FLAT CLIP - HEAD & JAMBS
ANGLE CLIP - SILL



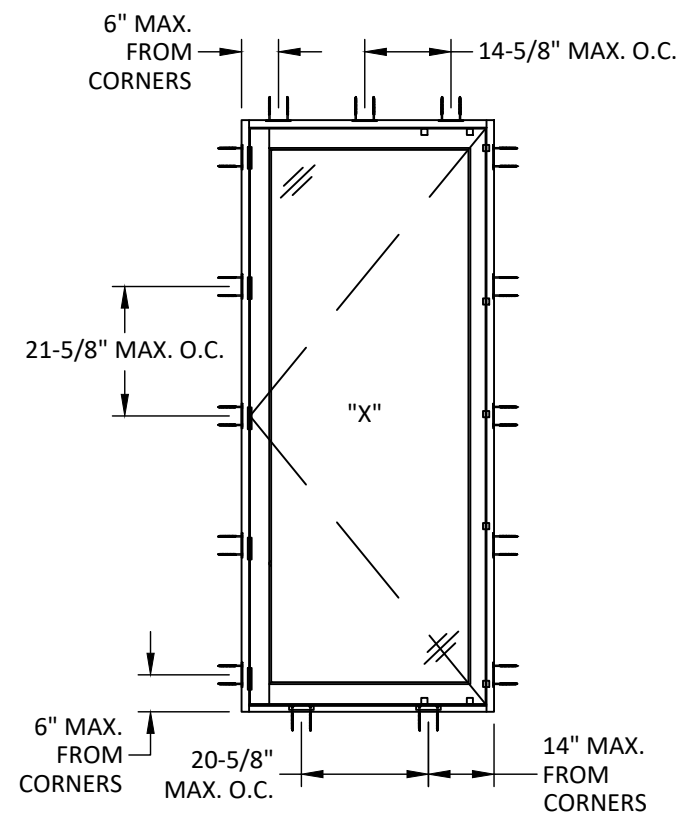
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ANGLE CLIP - HEAD & JAMBS
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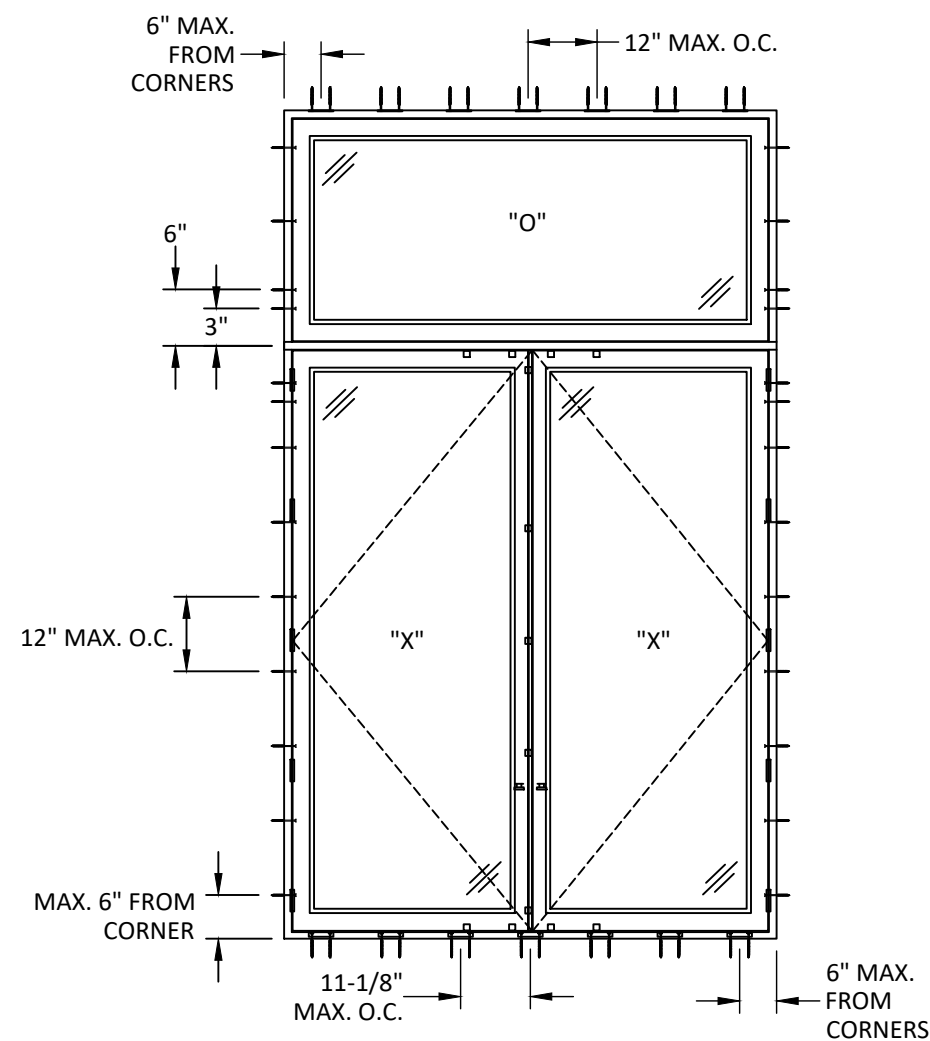
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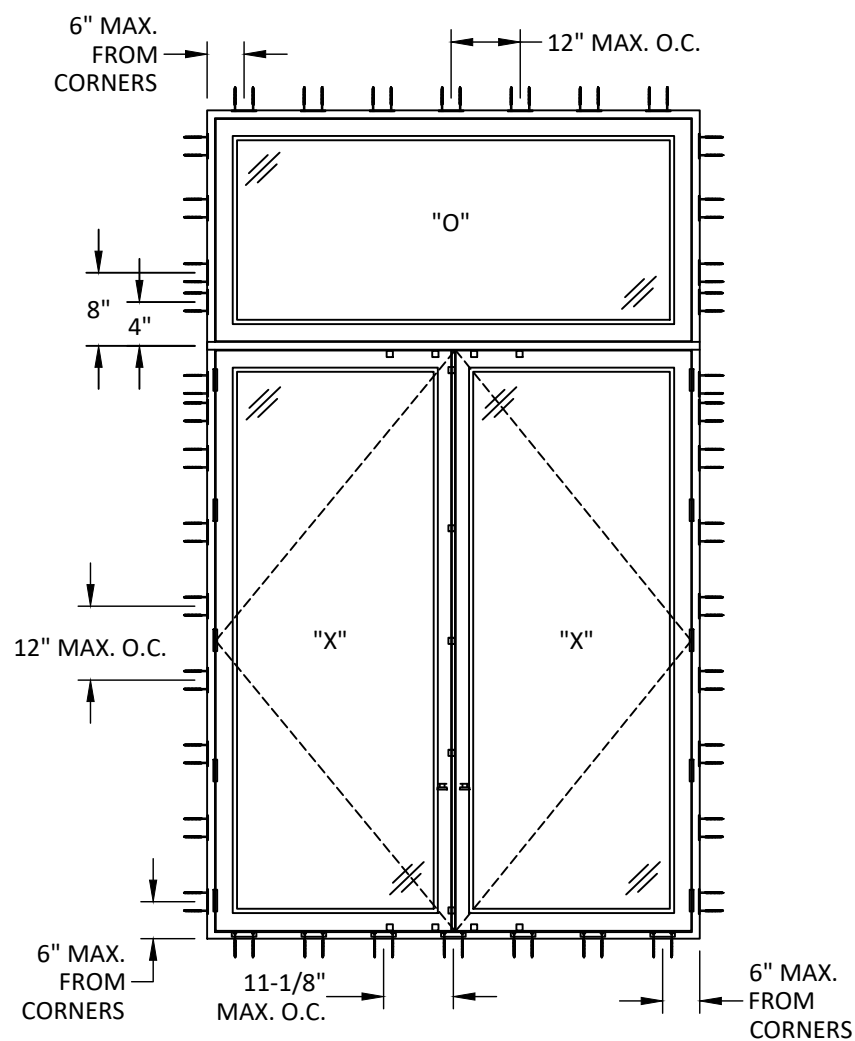
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ANCHOR LAYOUT
FLAT CLIP OR ANGLE CLIP - HEAD
THROUGH FRAME - JAMBS
ANGLE CLIP - SILL



ANCHOR LAYOUT
FLAT CLIP OR ANGLE CLIP - HEAD & JAMBS
ANGLE CLIP - SILL

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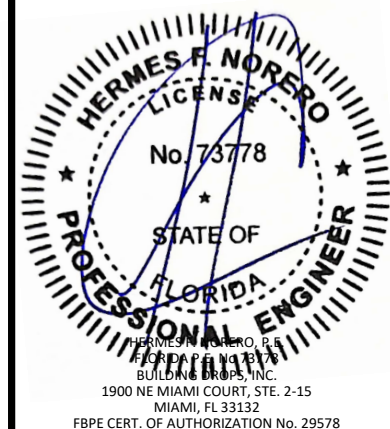
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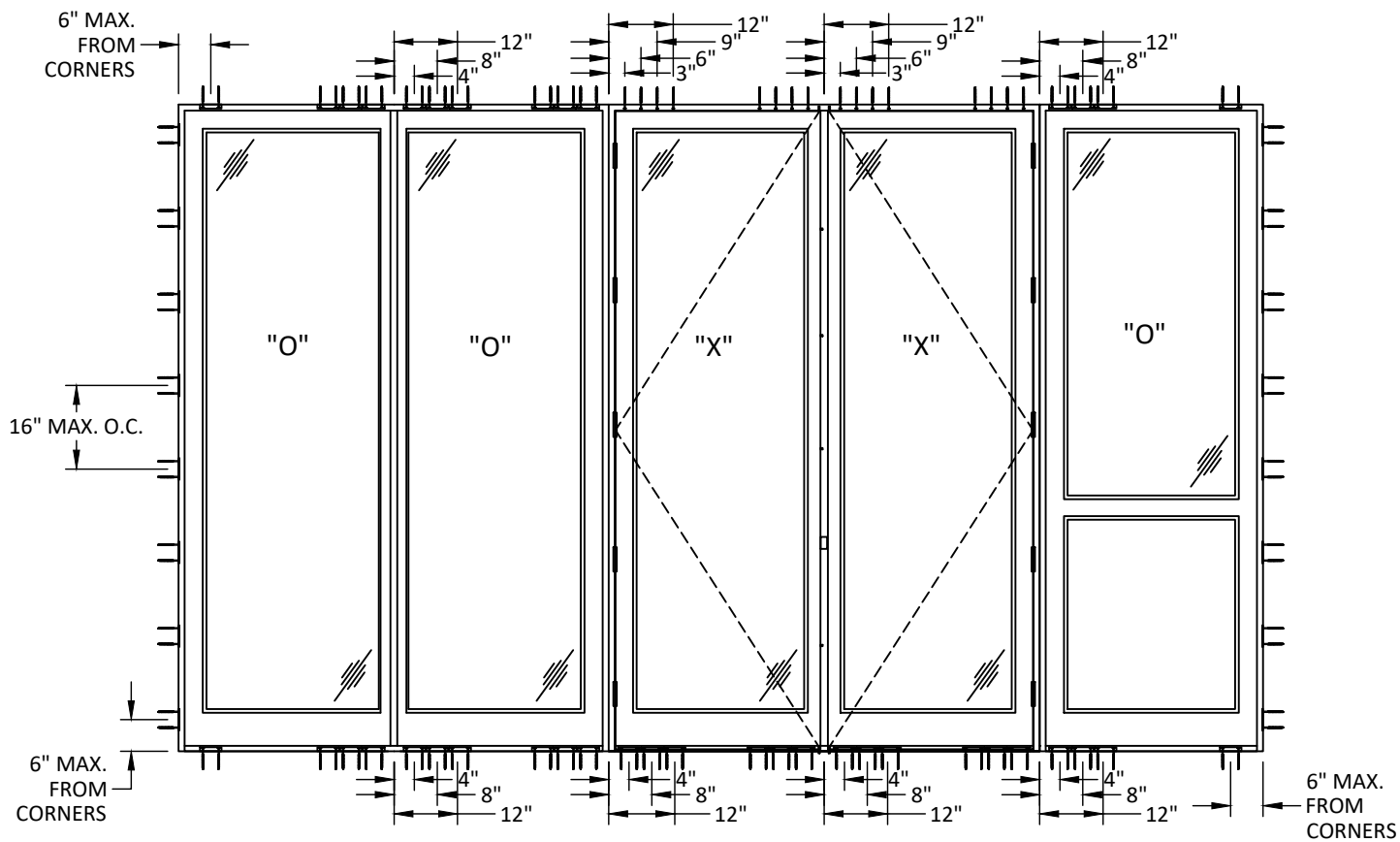
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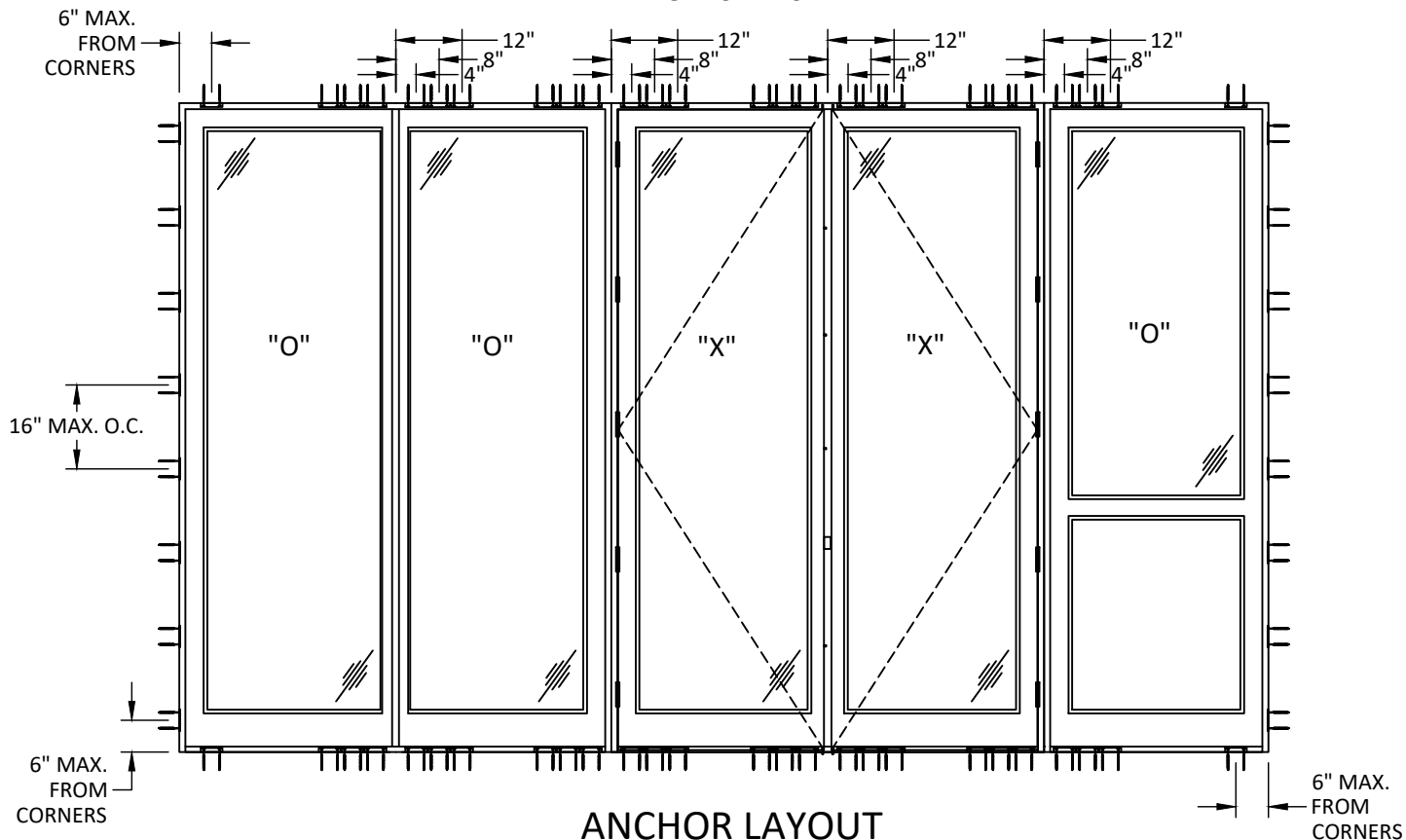
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ANCHOR LAYOUT
FLAT CLIP OR ANGLE CLIP - SIDELITE HEAD & JAMBS
THROUGH FRAME - DOOR HEAD
ANGLE CLIP - SILL



ANCHOR LAYOUT
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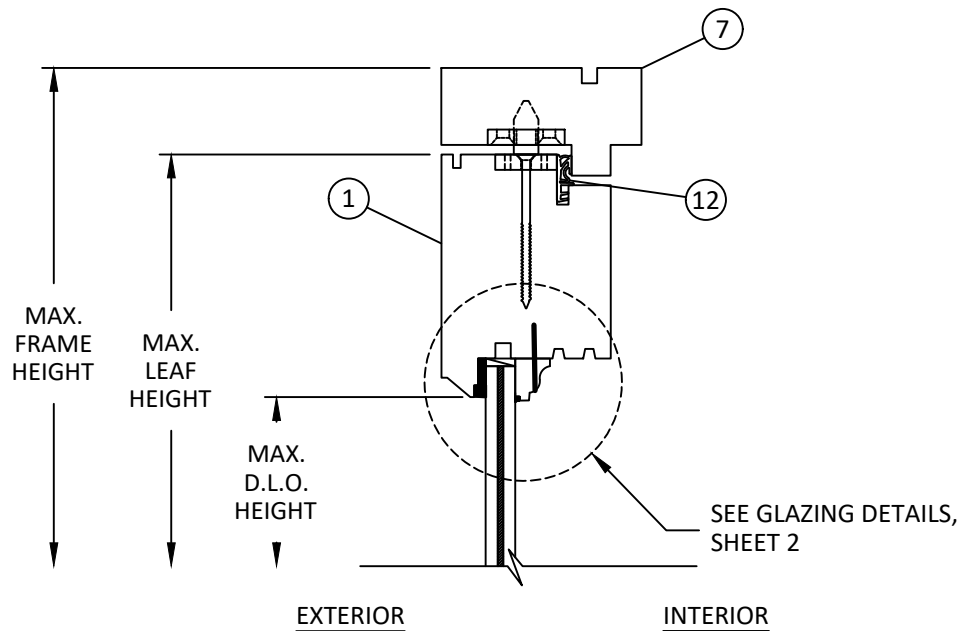
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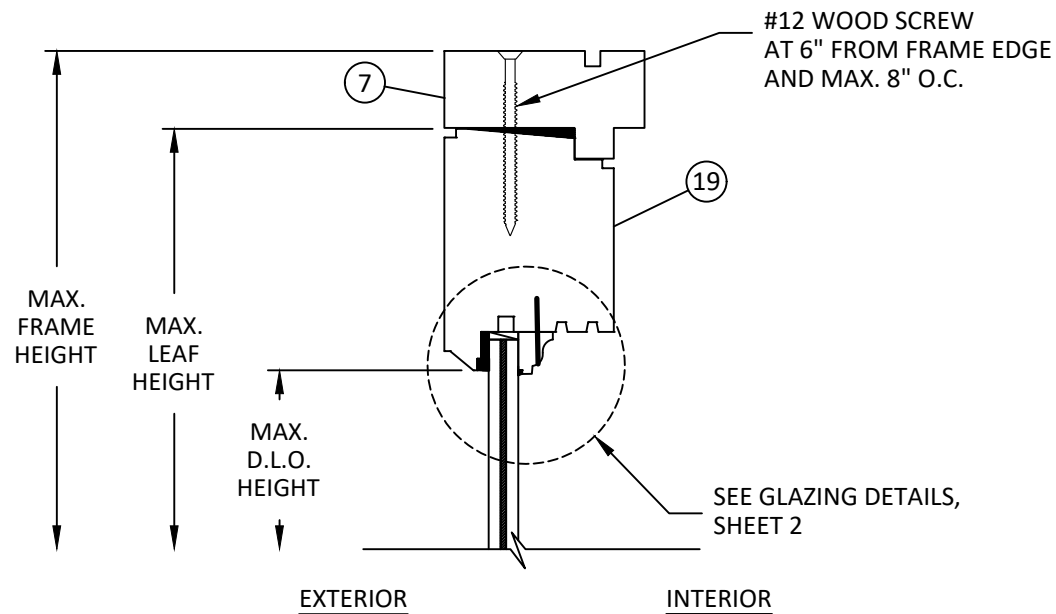


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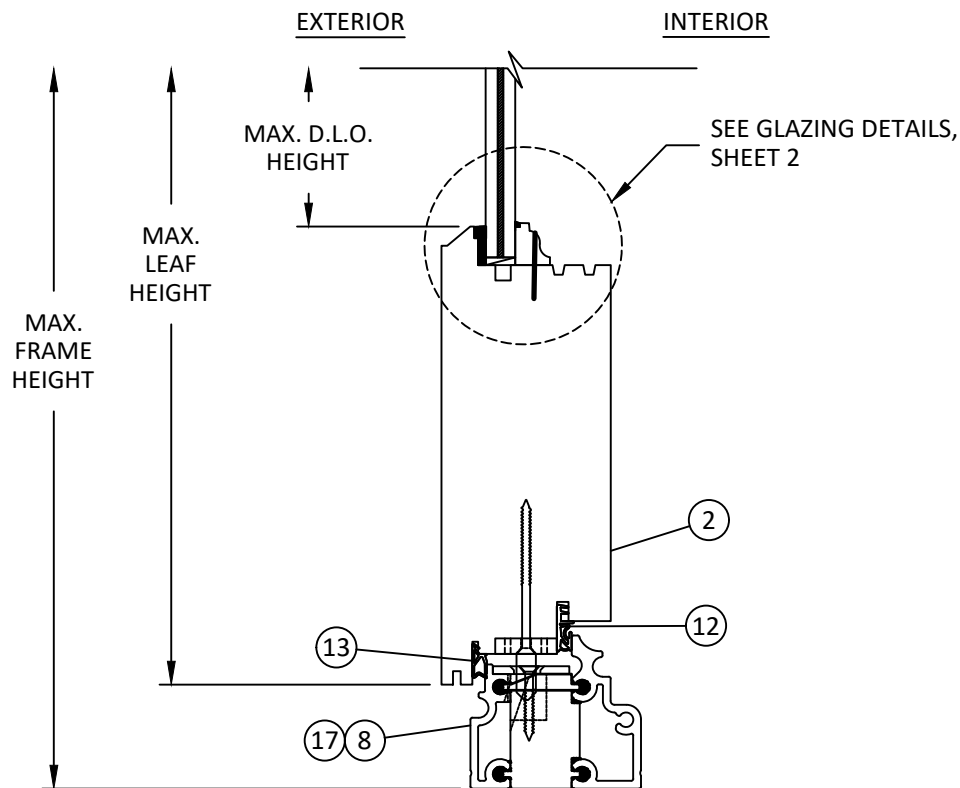
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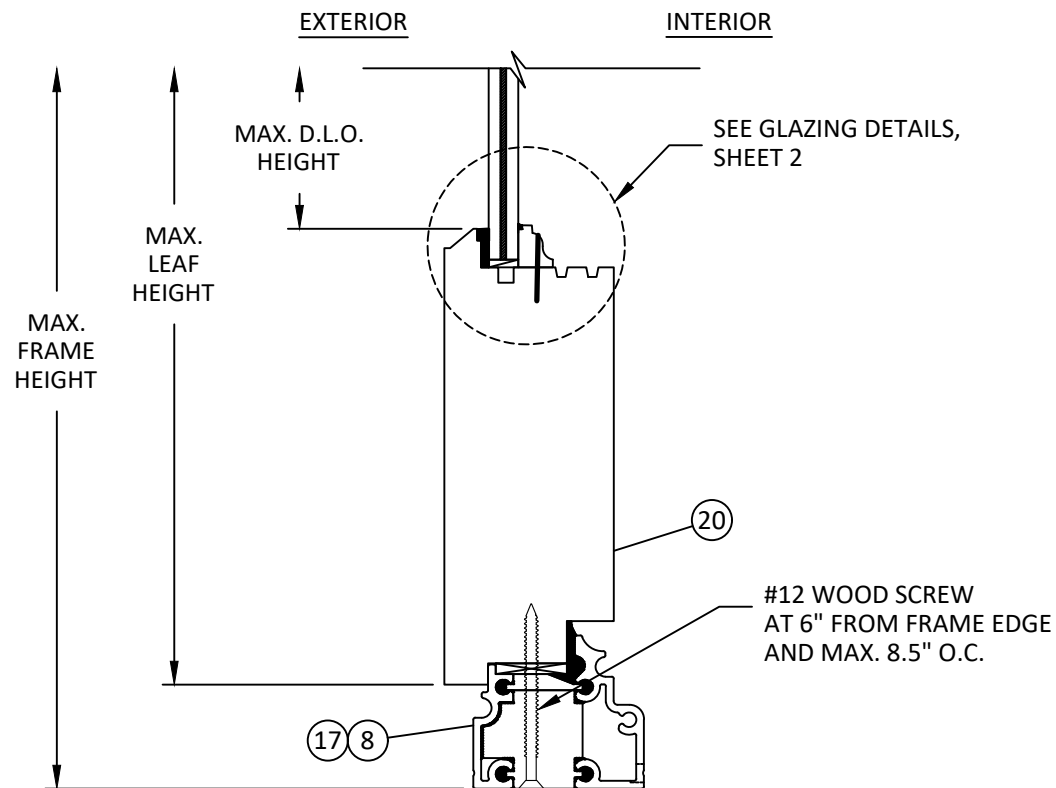
A
9 VERTICAL SECTION
DOOR
HEAD



B
9 VERTICAL SECTION
SIDELITE/TRANSOM
HEAD



C
9 VERTICAL SECTION
DOOR
THERMALLY BROKEN SILL



D
9 VERTICAL SECTION
SIDELITE
THERMALLY BROKEN SILL

NOTE: THERMALLY BROKEN SILL SHOWN,
NON-THERMALLY BROKEN SILL SIMILAR.

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PH: 631-208-0710 FAX: 631-208-0711
EMAIL: WWW.REILLYARCH.COM

TITLE: SERIES 6170 OUTSWING
FRENCH DOOR
(HVHZ)(IMPACT)

VERTICAL SECTIONS

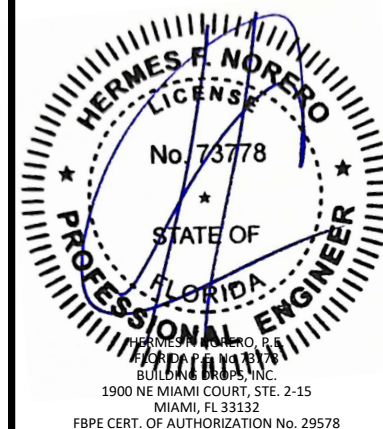
PREPARED BY: BUILDING DROPS, INC.

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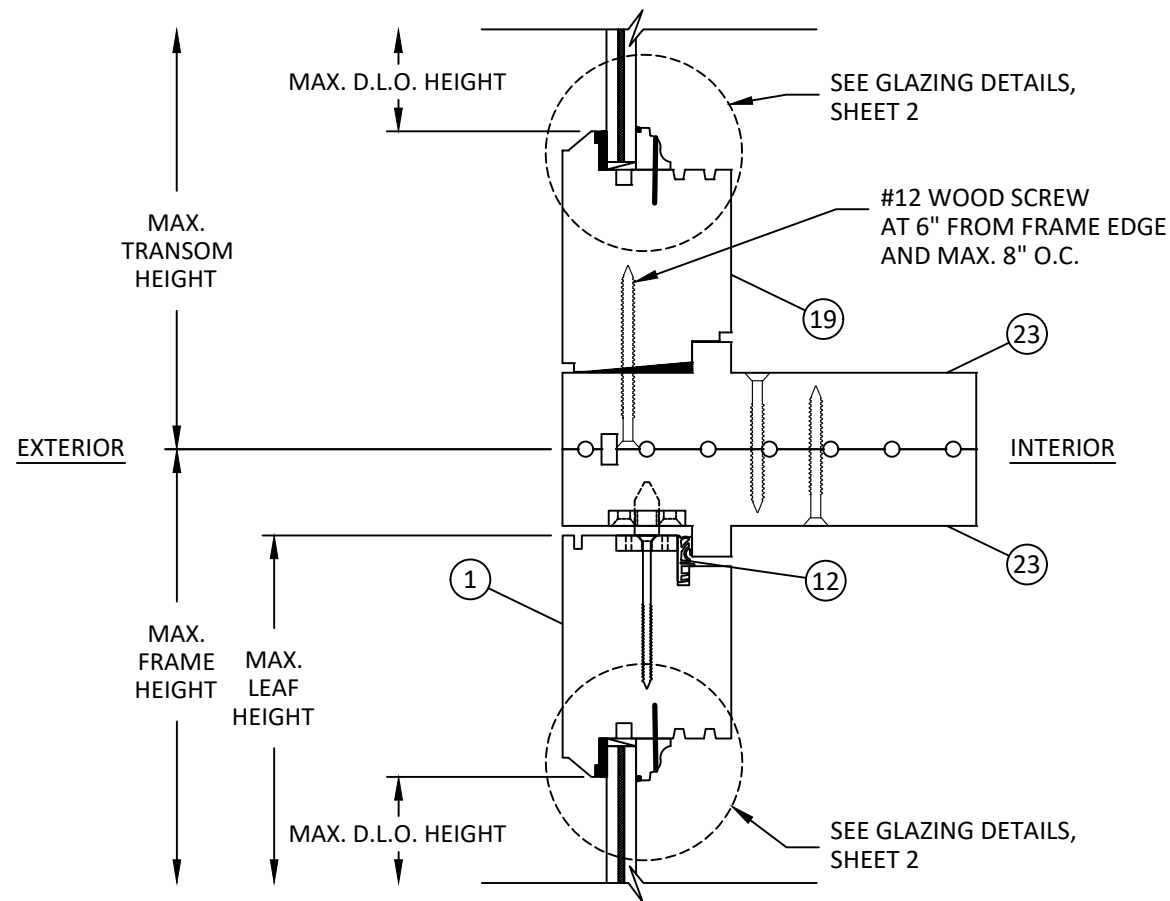
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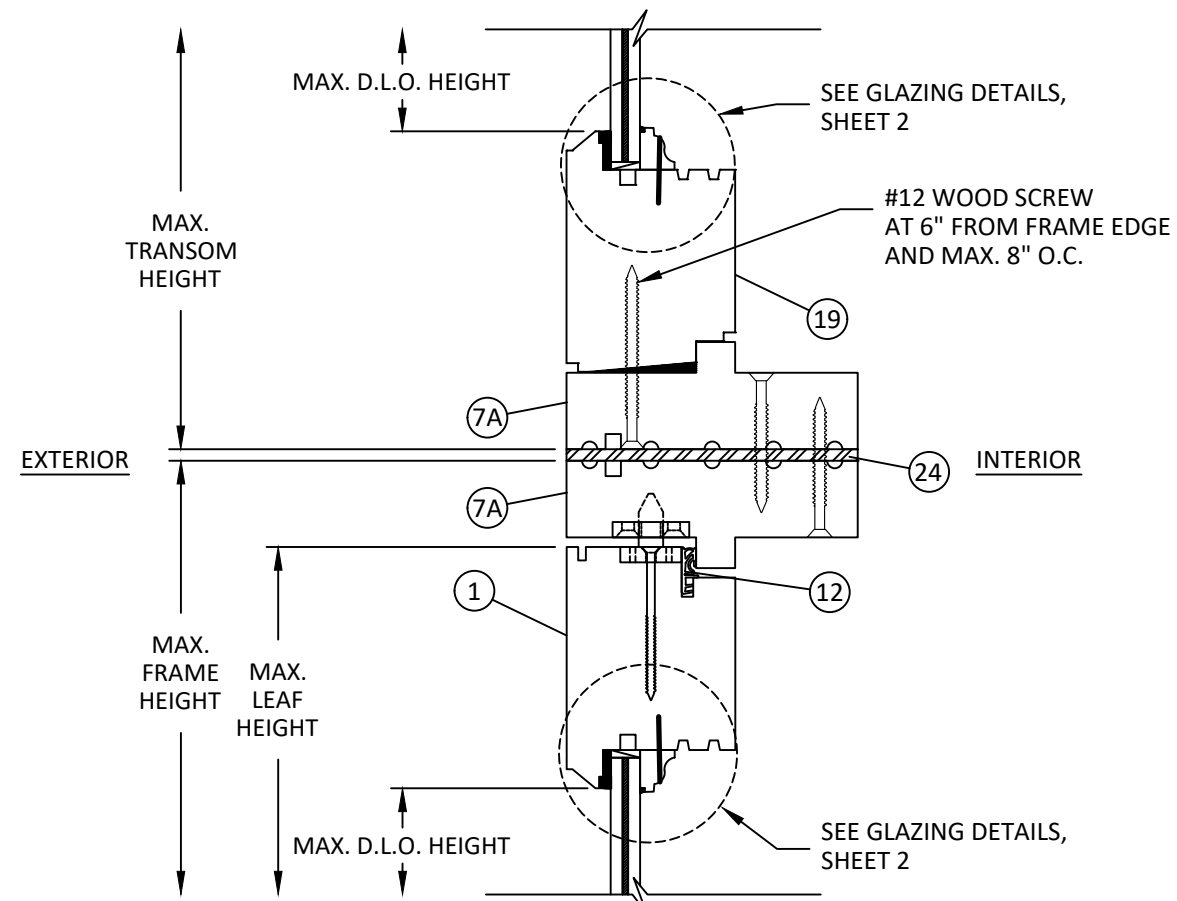
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OF 15

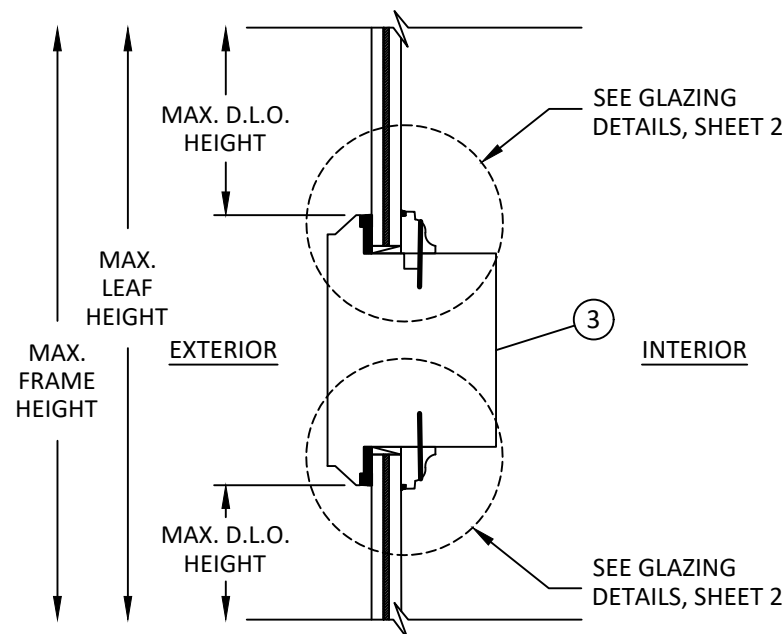
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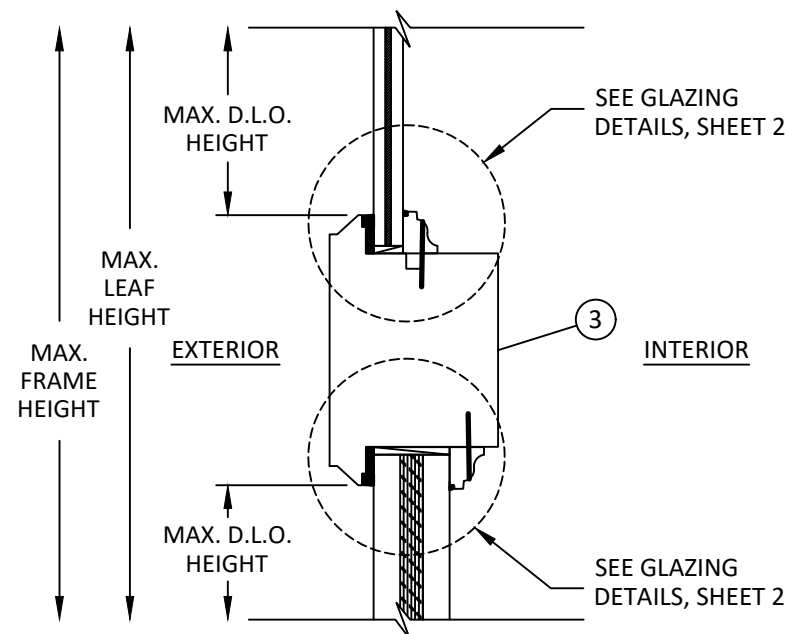
A
10 VERTICAL SECTION
HORIZONTAL MULLION
WOOD



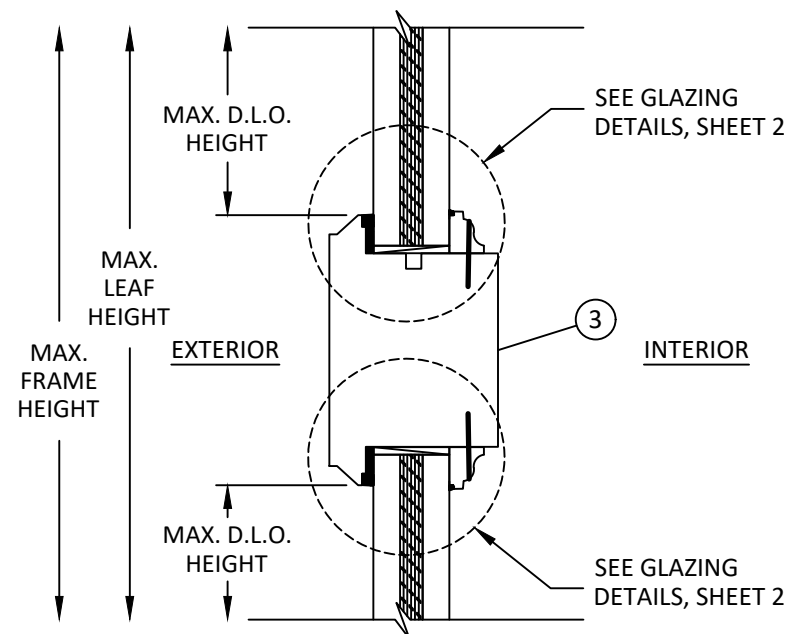
B
10 VERTICAL SECTION
HORIZONTAL MULLION
STEEL



C
10 VERTICAL SECTION
MID-RAIL
GLASS OVER GLASS



D
10 VERTICAL SECTION
MID-RAIL
GLASS OVER KICK PANEL



E
10 VERTICAL SECTION
MID-RAIL
KICK PANEL OVER KICK PANEL

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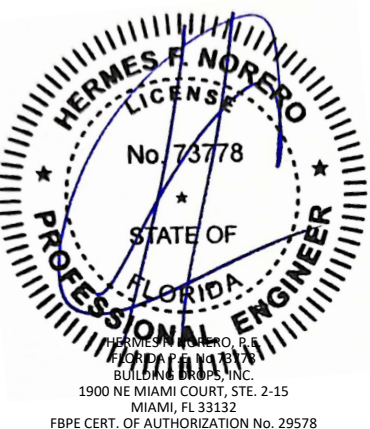
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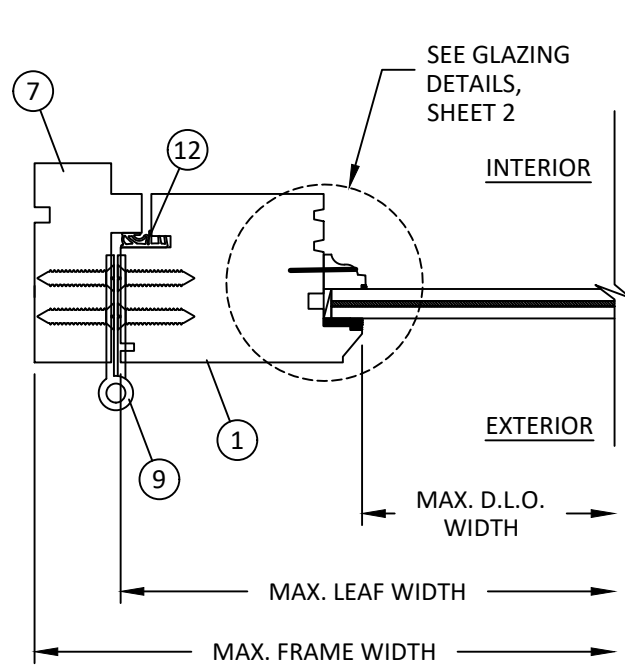
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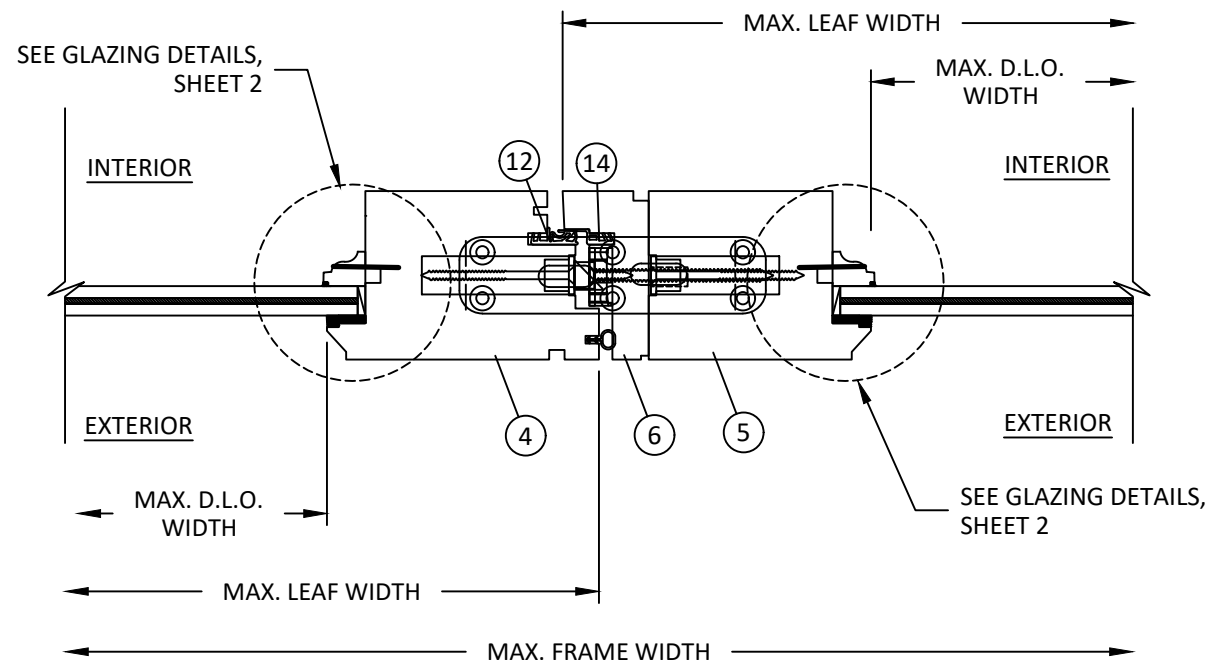


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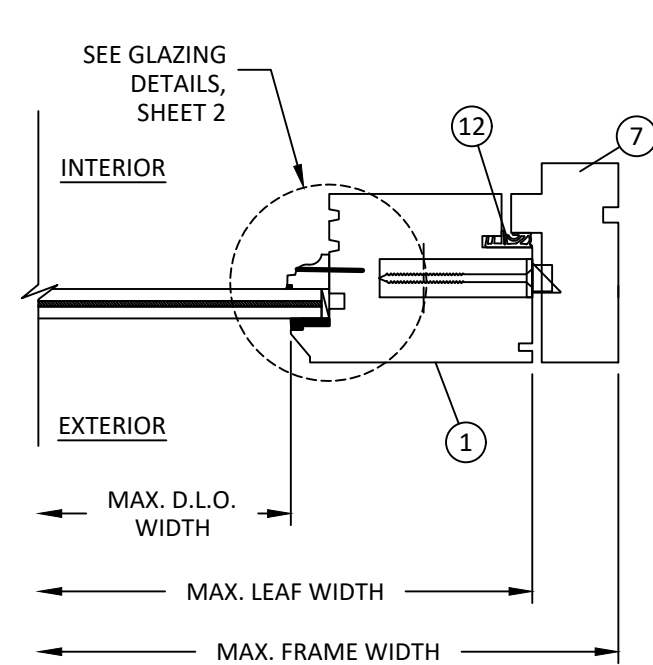
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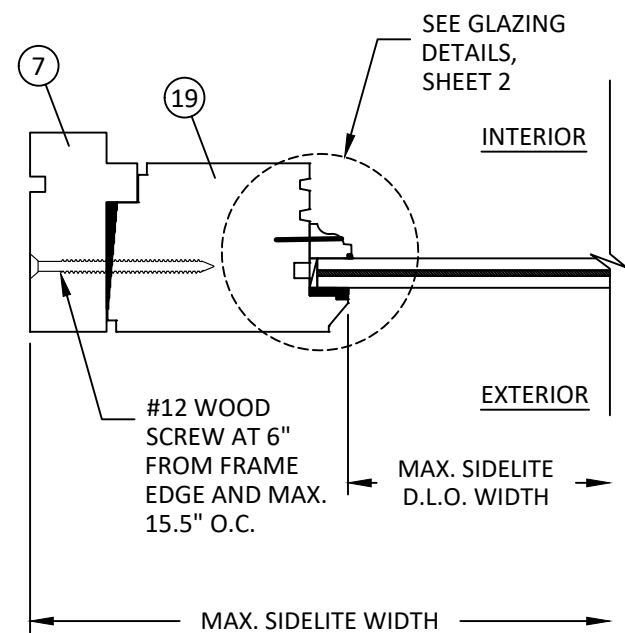
A HORIZONTAL SECTION
11 DOOR
HINGE JAMB



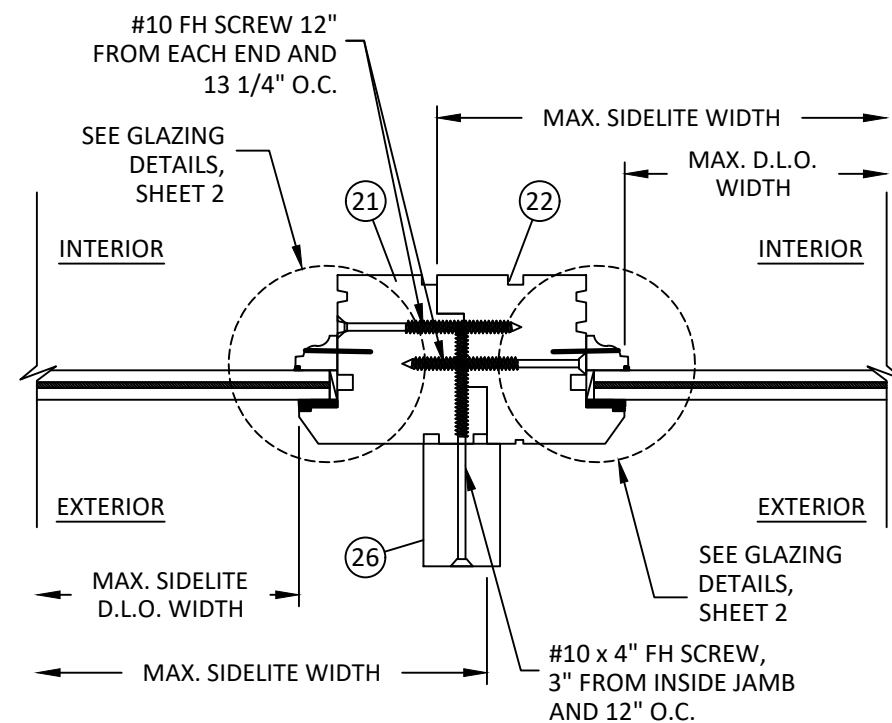
B HORIZONTAL SECTION
11 DOOR
ASTRAGAL



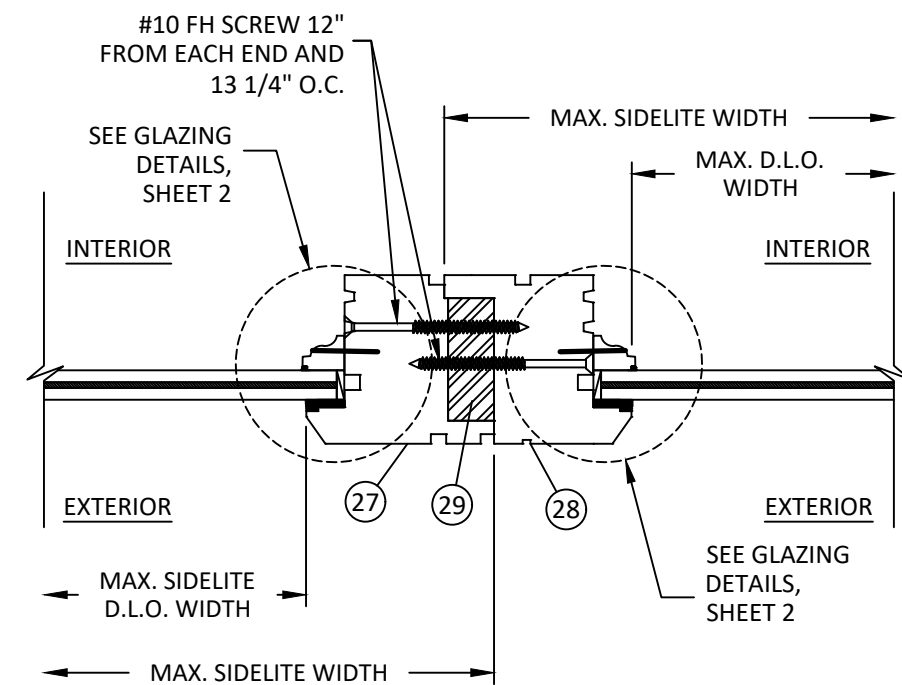
C HORIZONTAL SECTION
11 DOOR
LOCK JAMB



D HORIZONTAL SECTION
11 SIDELITE/TRANSOM
JAMB



E HORIZONTAL SECTION
11 SIDELITE MEETING STILE
WOOD



F HORIZONTAL SECTION
11 SIDELITE MEETING STILE
STEEL

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TITLE: SERIES 6170 OUTSWING
FRENCH DOOR
(HVHZ)(IMPACT)
HORIZONTAL SECTIONS

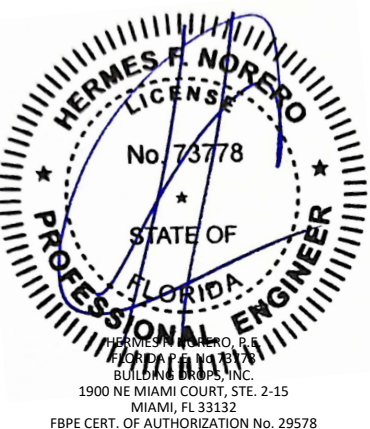
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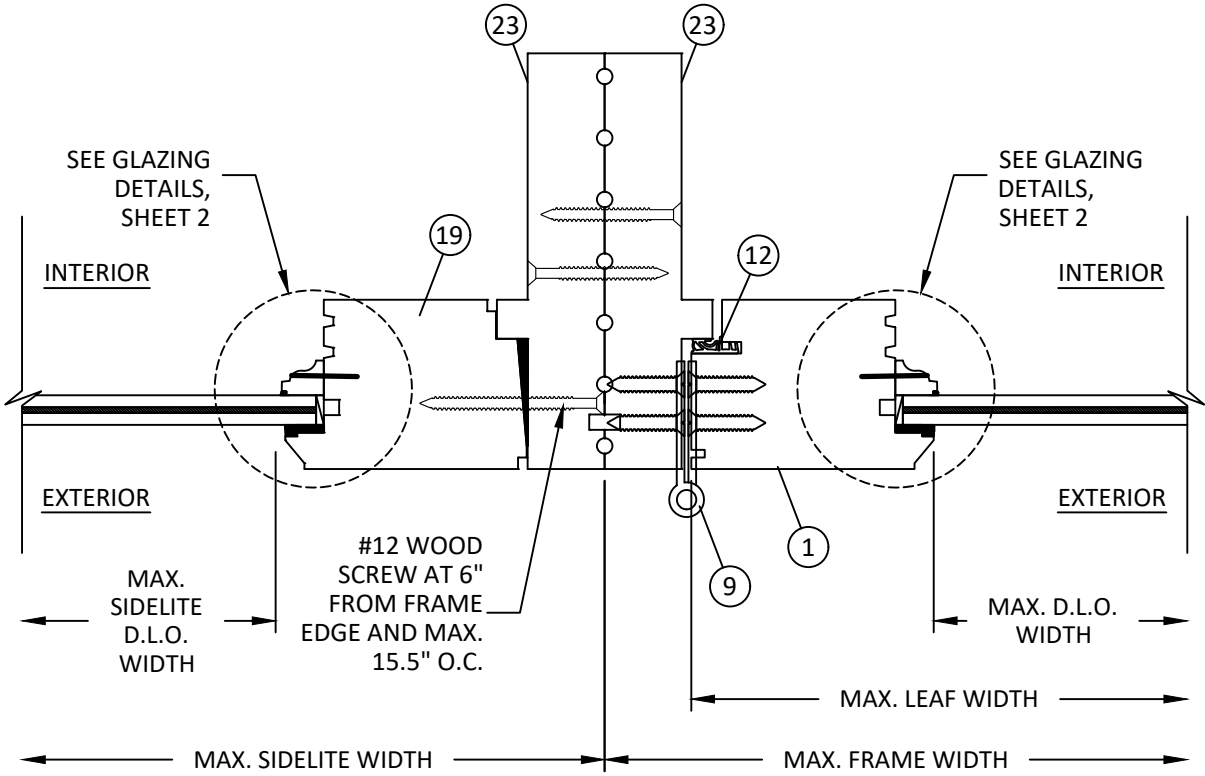
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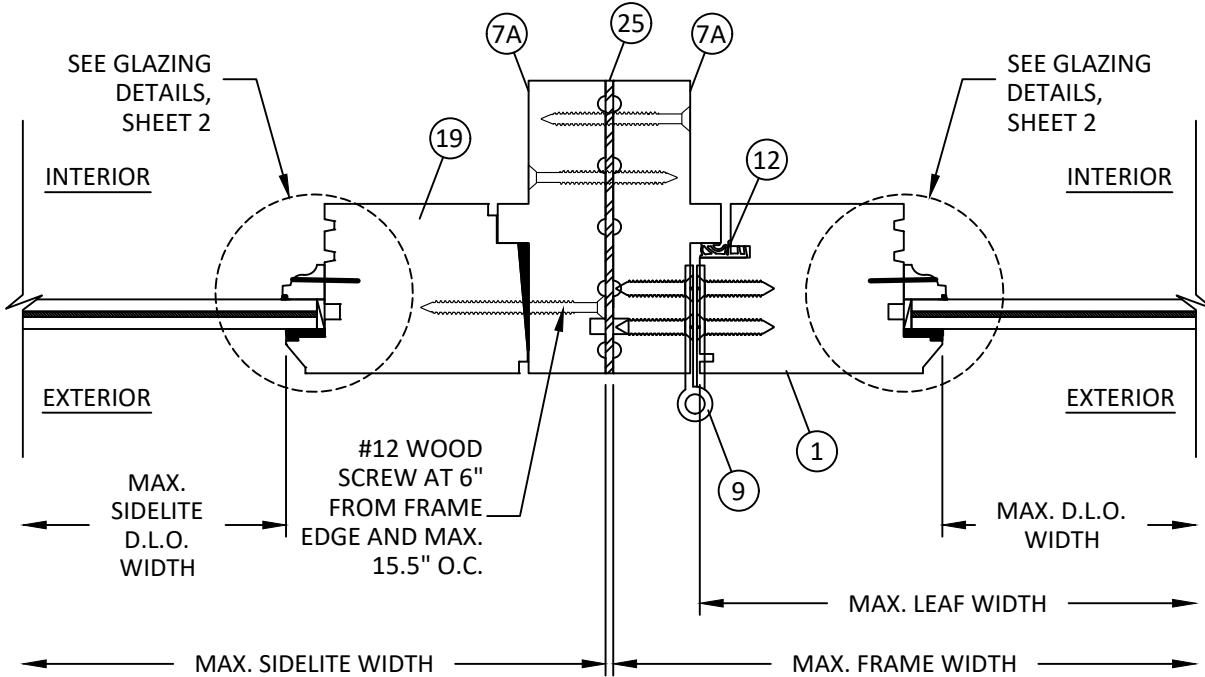


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A HORIZONTAL SECTION
12 VERTICAL MULLION
WOOD



B HORIZONTAL SECTION
12 VERTICAL MULLION
STEEL

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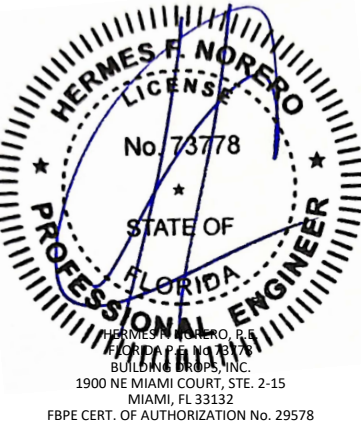
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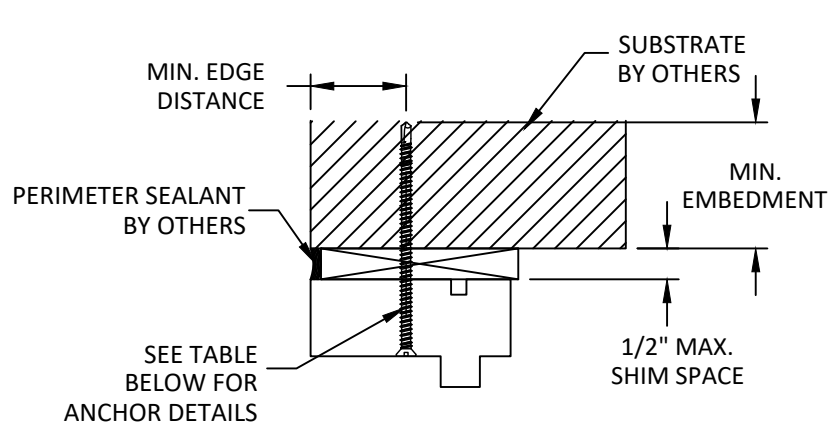
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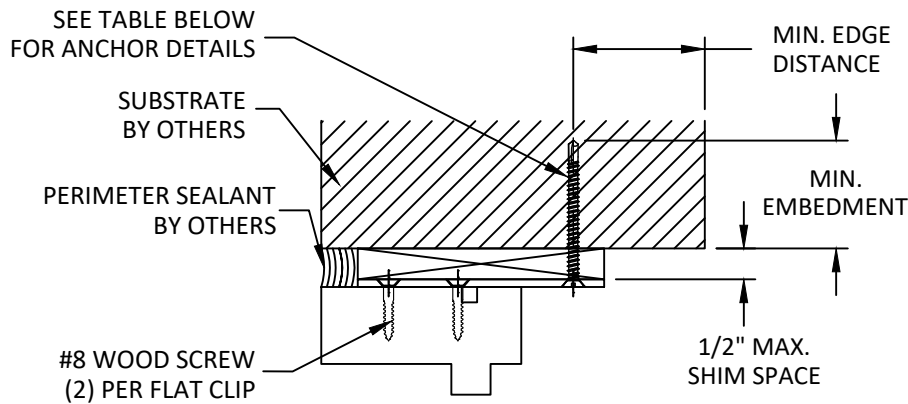
EXTERIOR

INTERIOR

A
13

ANCHOR DETAIL

HEAD - THROUGH FRAME
JAMB SIMILAR



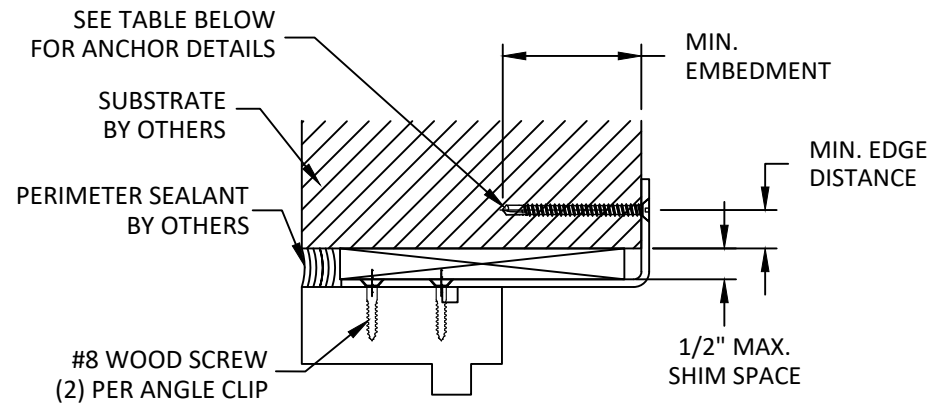
EXTERIOR

INTERIOR

B
13

ANCHOR DETAIL

HEAD - FLAT CLIP
JAMB SIMILAR



EXTERIOR

INTERIOR

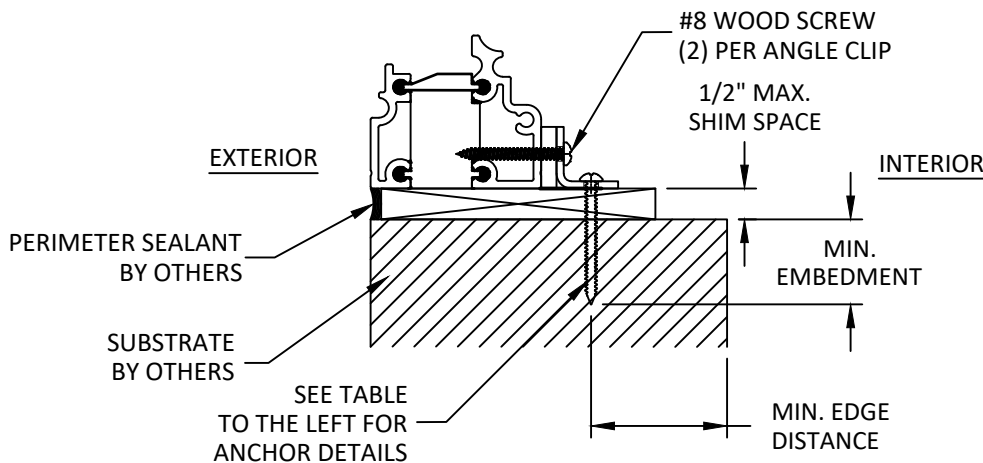
C
13

ANCHOR DETAIL

HEAD - ANGLE CLIP
JAMB SIMILAR

NOTE:

- TRANSOM & SIDELITES CAN ONLY BE INSTALLED USING FLAT CLIP INSTALLATION OR ANGLE CLIP INSTALLATION.



D
13

ANCHOR DETAIL

SILL - ANGLE CLIP

NOTES:

- SILL USES ITS OWN ANGLE CLIP REGARDLESS OF INSTALLATION METHOD AT THE HEAD/JAMBS.
- THERMALLY BROKEN SILL SHOWN, NON-THERMALLY BROKEN SILL SIMILAR.

ANCHOR SCHEDULE					
METHOD	QUANTITY PER LOCATION	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	1	WOOD: MIN. SG = 0.55	#12 WOOD SCREW	1.50"	0.75"
		METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#12 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"
		CONCRETE: f'c=3000PSI	1/4" ITW TAPCON	1.25"	2.50"
		MASONRY: CMU per ASTM C90 MIN. 2000 PSI	1/4" ITW TAPCON	1.00"	2.50"
FLAT CLIP/ SILL ANGLE CLIP	2	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1.50"	0.75"
		METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#10 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"
		CONCRETE: f'c=3000PSI	3/16" ITW TAPCON	1.00"	2.00"
		MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON	1.00"	2.00"
ANGLE CLIP	2	WOOD: MIN. SG = 0.55	#10 WOOD SCREW	1.50"	0.75"
		METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI ALUMINUM: 1/8" MIN., 6063-T5	#10 SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND STRUCTURE	0.50"

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EMAIL: WWW.REILLYARCH.COM

TITLE: SERIES 6170 OUTSWING
FRENCH DOOR
(HVHZ)(IMPACT)
ANCHOR DETAILS &
ANCHOR SCHEDULE

PREPARED BY:

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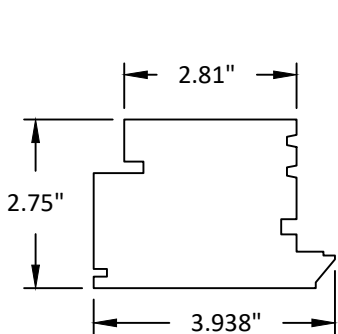
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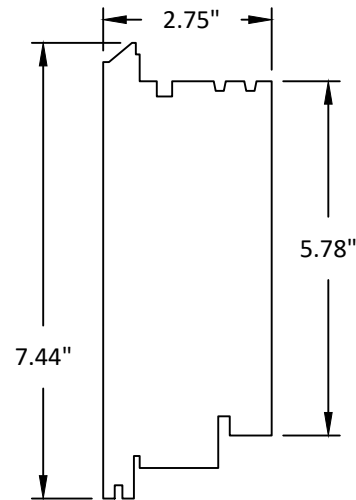
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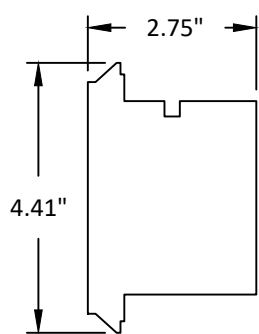
BILL OF MATERIALS				
ITEM	PART NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	-	STILE/TOP RAIL	MAHOGANY	REILLY
2	-	BOTTOM RAIL	MAHOGANY	REILLY
3	-	LOCK RAIL	MAHOGANY	REILLY
4	-	MEETING STILE	MAHOGANY	REILLY
5	-	MEETING STILE	MAHOGANY	REILLY
6	-	ATRAGAL	MAHOGANY	REILLY
7	-	HEAD/JAMB	MAHOGANY	REILLY
7A	-	ALTERNATE HEAD/JAMB	MAHOGANY	REILLY
8	-	THERMALLY BROKEN SILL	BRASS	REILLY
9	125P-4.5"x4.5"	HINGES	BRASS	REILLY
10	-	SILL ANGLE CLIP	304 S.S.	VARIES
11	HLS 9000	MULTI-POINT LOCK	VARIES	HOPPE
12	WS24	WEATHERSTRIP	SILICONE	RCT
13	SV 103A-20	WEATHERSTRIP	SILICONE	DEVENTER
14	60 DURO	WEATHERSTRIP	SILICONE	LEGACY
15	F2	FLAT CLIP	ALUMINUM	VARIES
16	-	ANGLE CLIP	304 S.S.	VARIES
17	-	NON-THERMAL BROKEN SILL	BRASS	REILLY
18	-	KVF MULTI-POINT LOCK	VARIES	SIEGENIA
19	-	SIDELITE STILE/TOP RAIL & TRANSOM STILE/RAIL	MAHOGANY	REILLY
20	-	SIDELITE BOTTOM RAIL	MAHOGANY	REILLY
21	-	SIDELITE MEETING STILE (WOOD)	MAHOGANY	REILLY
22	-	SIDELITE MEETING STILE (WOOD)	MAHOGANY	REILLY
23	-	HORIZONTAL/VERTICAL MULLION	MAHOGANY	REILLY
24	-	HORIZONTAL MULLION STIFFENER	STEEL	VARIES
25	-	VERTICAL MULLION STIFFENER	STEEL	VARIES
26	-	SIDELITE STIFFENER (WOOD)	MAHOGANY	REILLY
27	-	SIDELITE MEETING STILE (STEEL)	MAHOGANY	REILLY
28	-	SIDELITE MEETING STILE (STEEL)	MAHOGANY	REILLY
29	-	SIDELITE STIFFENER (STEEL)	STEEL	VARIES



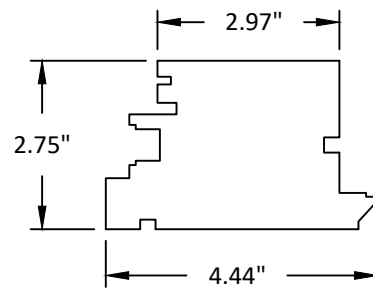
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MAHOGANY



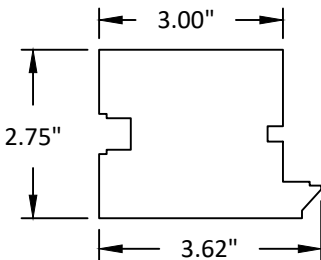
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MAHOGANY



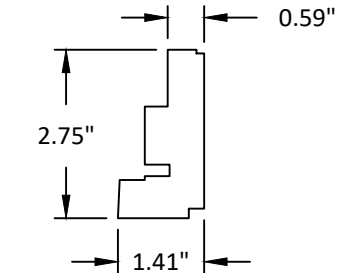
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MAHOGANY



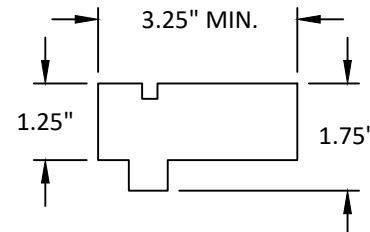
4 MEETING STILE
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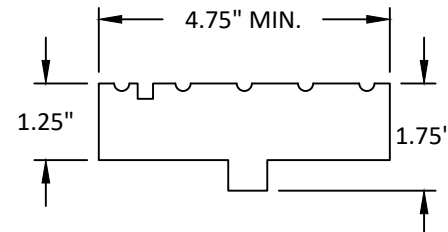
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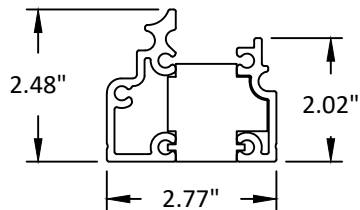
6 ASTRAGAL
MAHOGANY



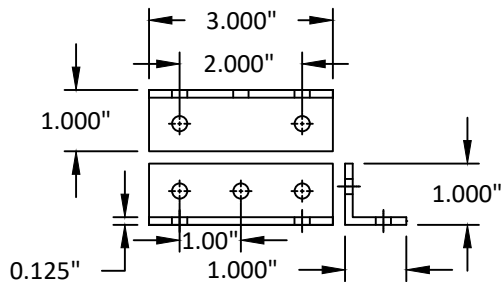
7 HEAD/JAMB
MAHOGANY



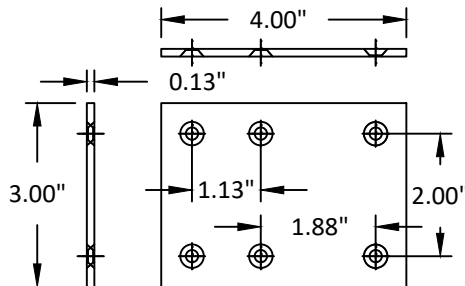
7A ALT. HEAD/JAMB
MAHOGANY



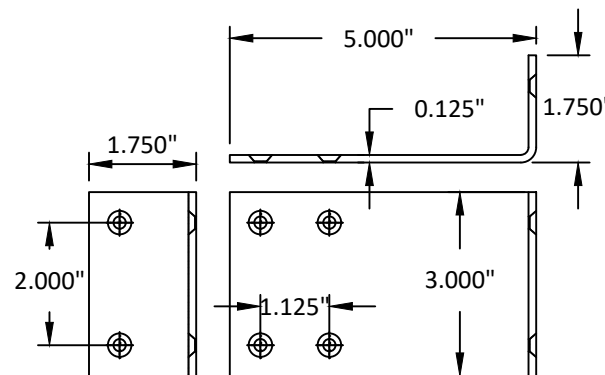
8 THERMALLY BROKEN SILL
BRASS



10 SILL ANGLE CLIP
304 STAINLESS STEEL



15 FLAT CLIP
ALUMINUM



16 ANGLE CLIP
304 STAINLESS STEEL

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SERIES 6170 OUTSWING
FRENCH DOOR
(HVHZ)(IMPACT)
BILL OF MATERIALS
& COMPONENTS

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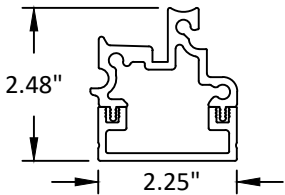
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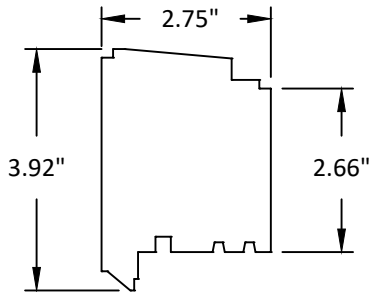


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SHEET:	14

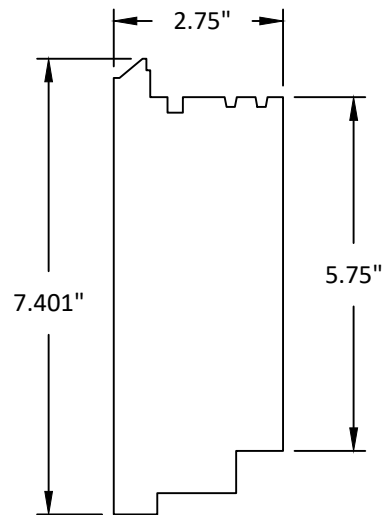
c:\users\danielb\trago\building drops, inc\building drops landing - common\projects\reilly architectural\bc-25-1219.1 - zeluck wood impact products\dwgs\6170 os door\method 1d\rwd034.dwg 4/13/2026 2:36 PM



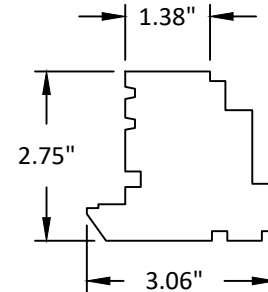
17 NON-THERMALLY BROKEN SILL
BRASS



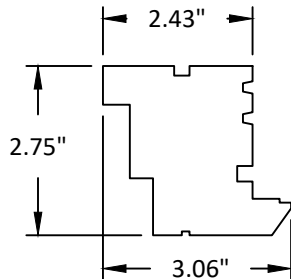
19 SIDELITE STILE/TOP RAIL & TRANSOM STILE/RAIL
MAHOGANY



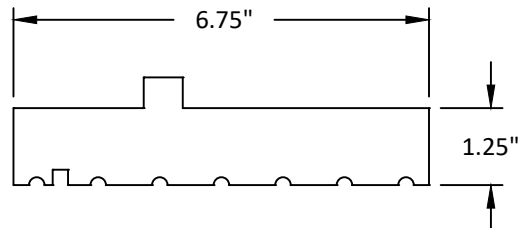
20 SIDELITE BOTTOM RAIL
MAHOGANY



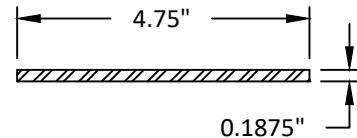
21 SIDELITE MEETING STILE (WOOD)
MAHOGANY



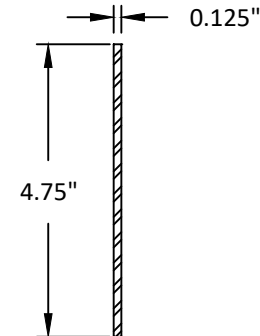
22 SIDELITE MEETING STILE (WOOD)
MAHOGANY



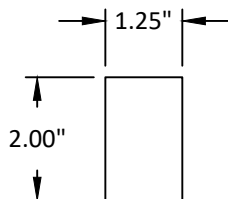
23 HORIZONTAL/VERTICAL MULLION
MAHOGANY



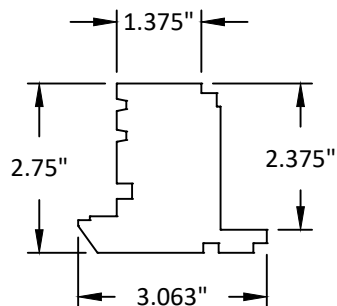
24 HORIZONTAL MULLION STIFFENER
STEEL



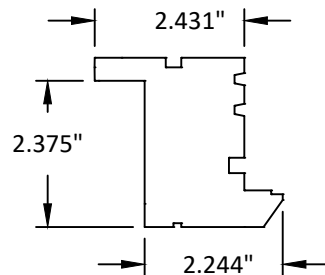
25 VERTICAL MULLION STIFFENER
STEEL



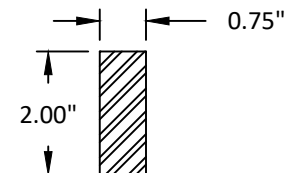
26 SIDELITE STIFFENER (WOOD)
MAHOGANY



27 SIDELITE MEETING STILE (STEEL)
MAHOGANY



28 SIDELITE MEETING STILE (STEEL)
MAHOGANY



29 SIDELITE STIFFENER (STEEL)
STEEL

REILLY
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SERIES 6170 OUTSWING
FRENCH DOOR
(HVHZ)(IMPACT)

COMPONENTS

TITLE:

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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.



FL #:

FL48051

DATE: **03.16.2026**

DWG. BY: **DB** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **RWD034**

SHEET:

15

OF 15