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LA FINESTRA, LC

EKU 53 OUTSWING FRENCH 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
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 ±1/4 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: ALUMINUM 6063-T5
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAILS.
9. CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEET 5.
2. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1.000 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.
3. 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.
4. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
5. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
6. 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.
7. 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.
8. 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)				
CONFIGURATION	WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
SEE SHEET 2 - 4	SEE TABLES ON SHEET 7			LARGE & SMALL MISSILE IMPACT



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TITLE:
EKU 53 OUTSWING
FRENCH DOOR
(HVHZ) (IMPACT)
GENERAL NOTES &
INSTALLATION NOTES

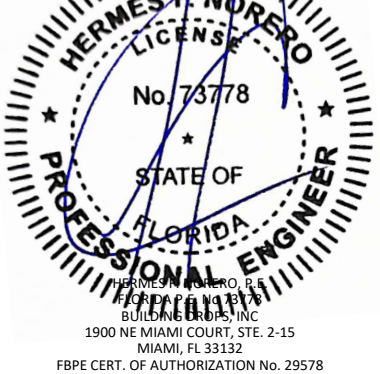
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BUILDING DROPS, INC.
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MIAMI, FL 33132
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FAX: (954) 744-4738
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REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.02.29 15:50:21 -0800



FL #:
FL18429

DATE: **02.06.2024**

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SCALE: **NTS**

DWG. #: **LFT009**

SHEET:
1
OF 12



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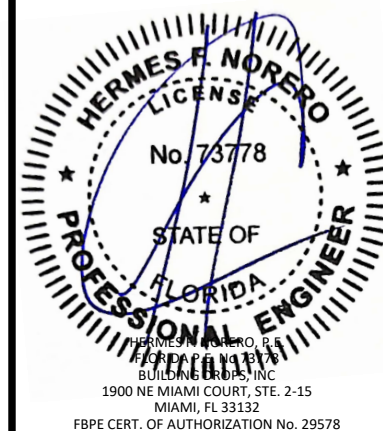
ELEVATIONS

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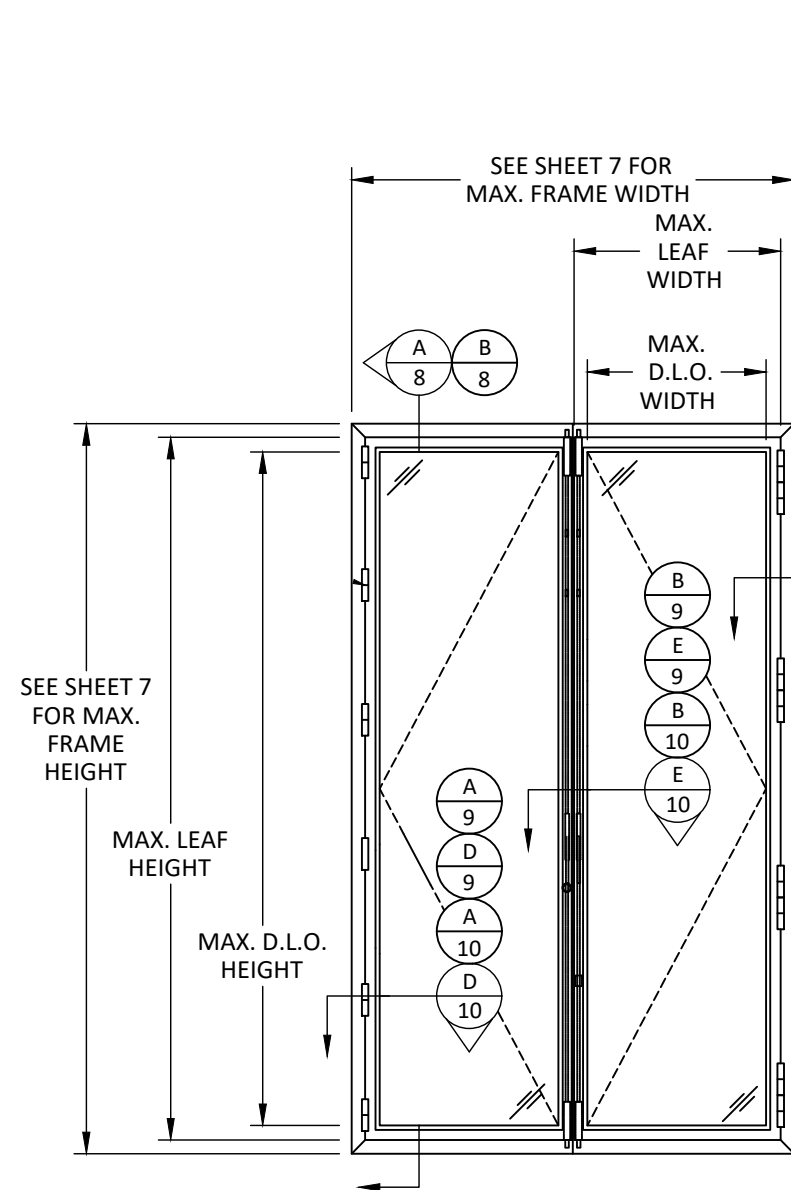
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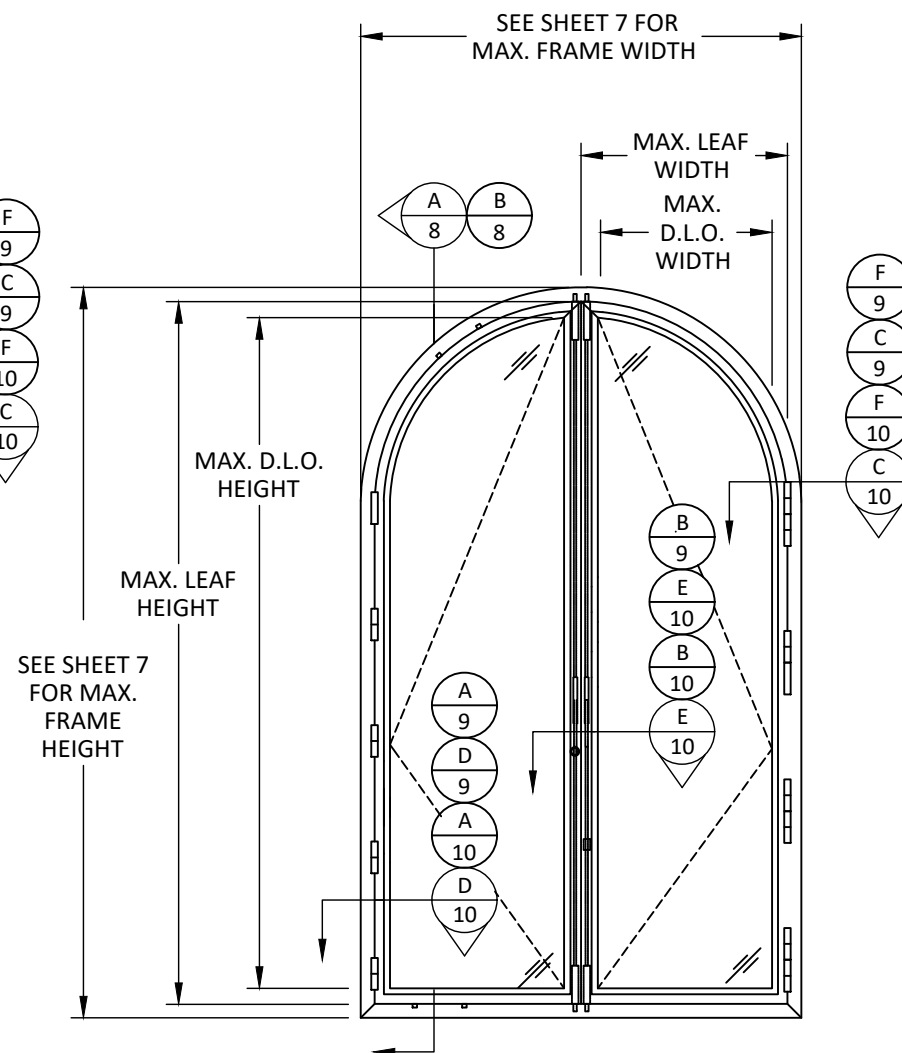
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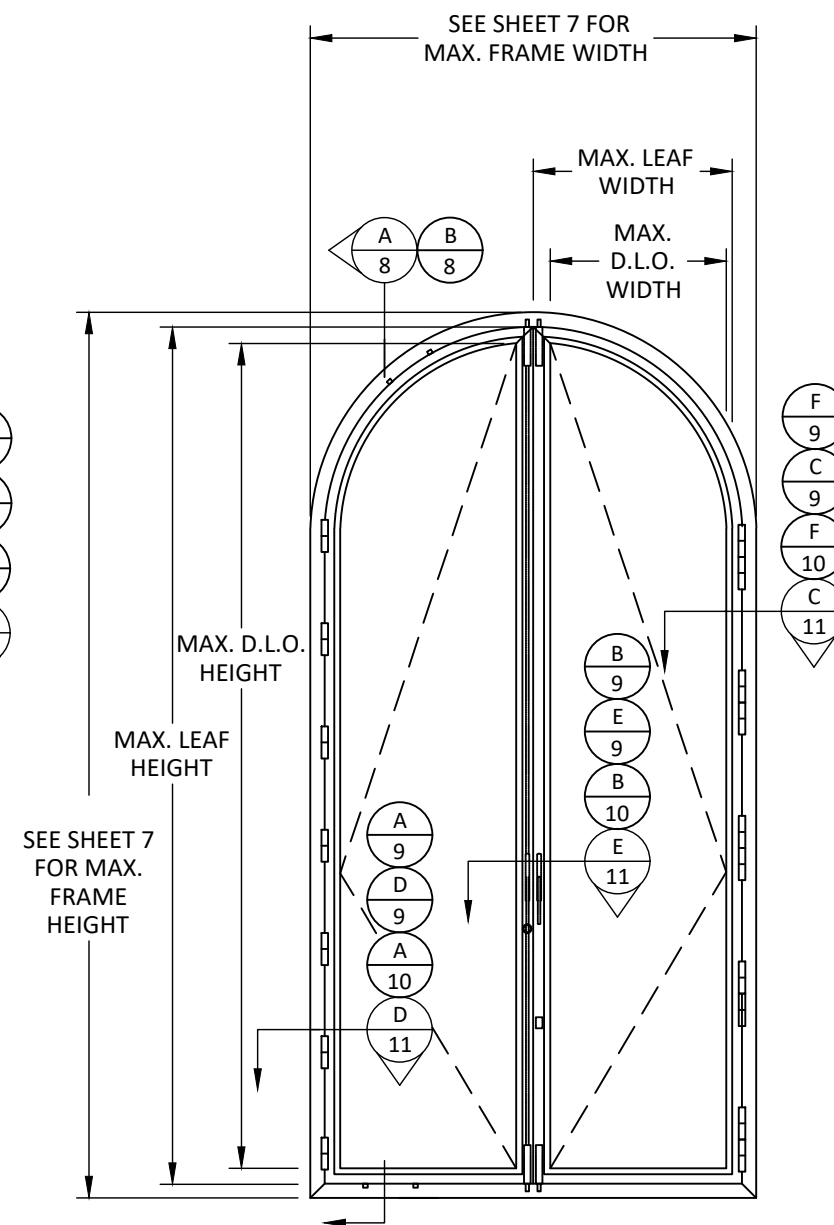
ELEVATIONS

RECTANGLE DOOR



ELEVATIONS

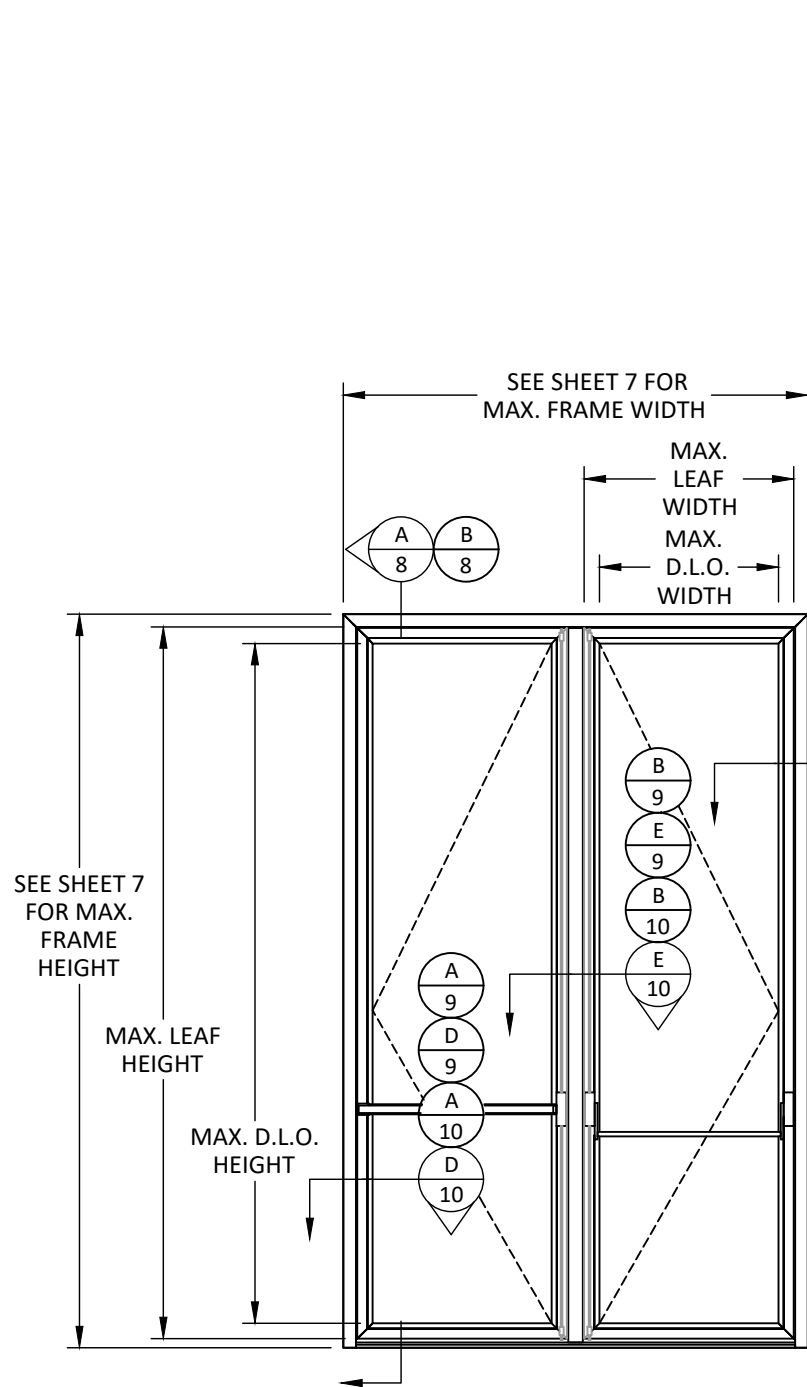
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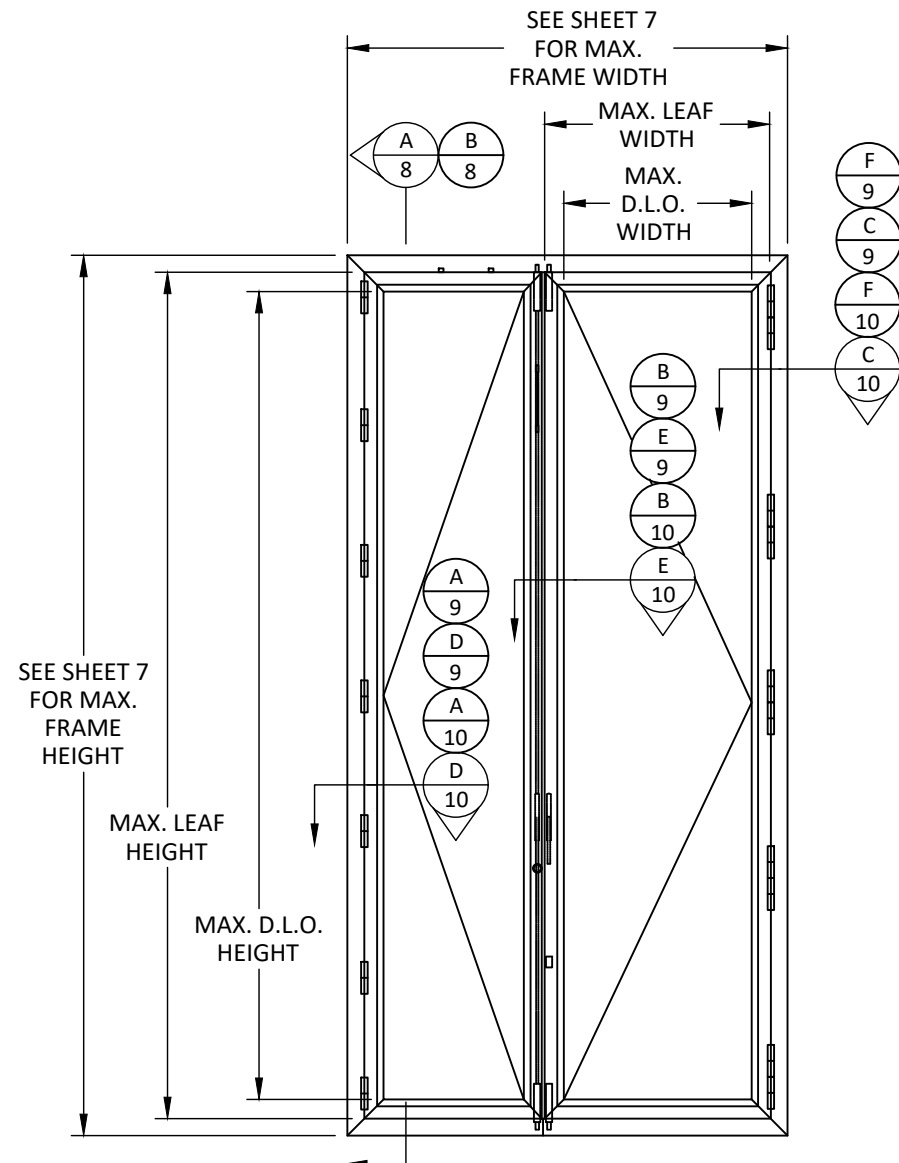
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ARCHTOP DOOR

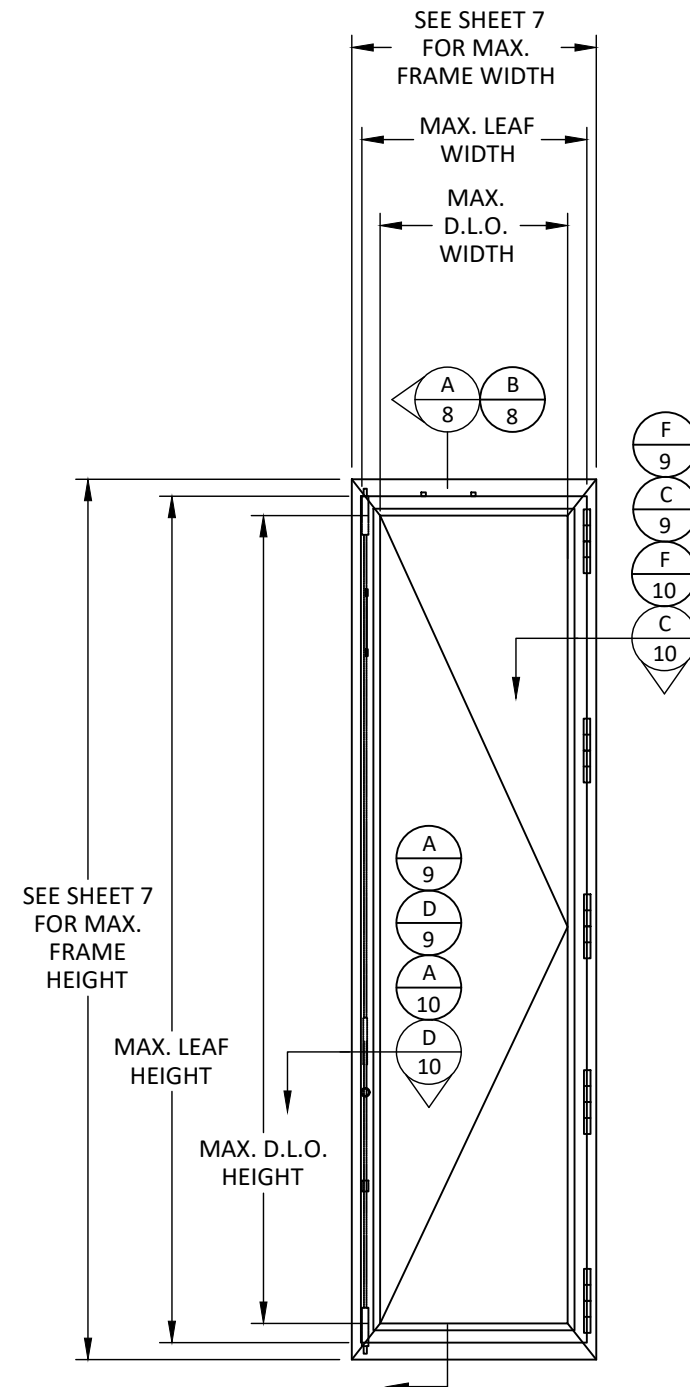
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ELEVATIONS
RECTANGLE DOOR



ELEVATIONS
RECTANGLE DOOR



ELEVATIONS
RECTANGLE DOOR



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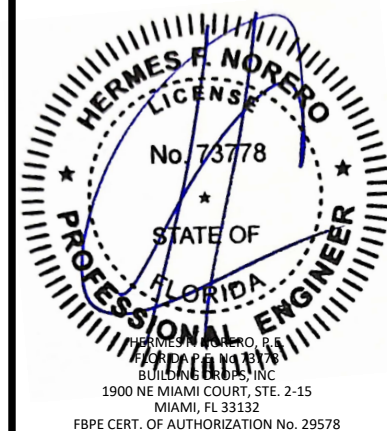
ELEVATIONS

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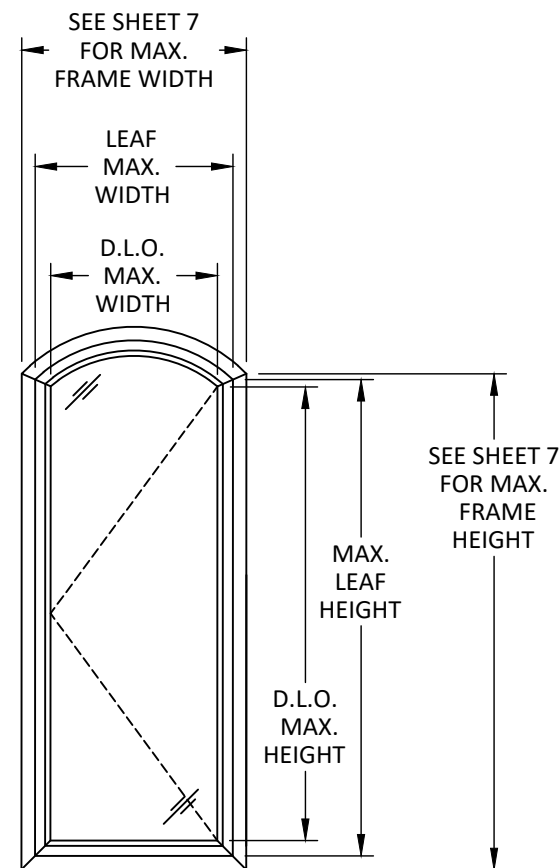
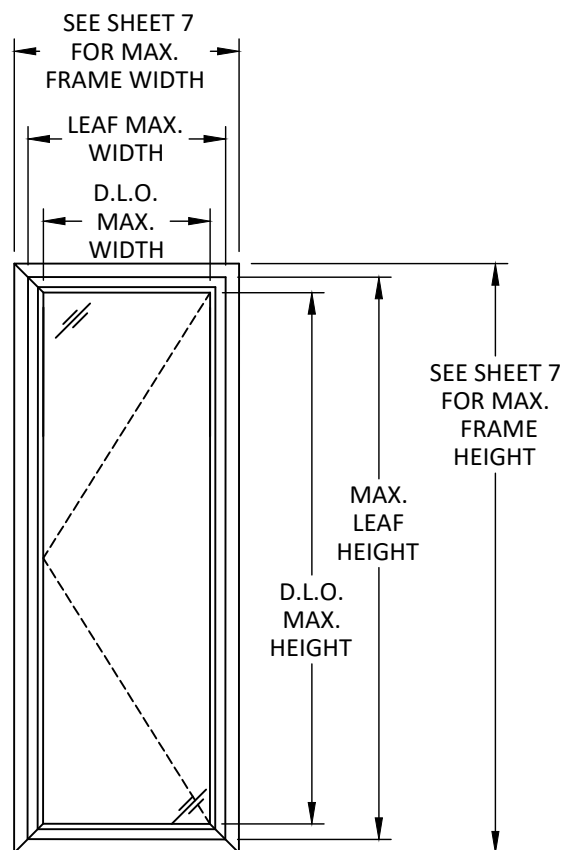
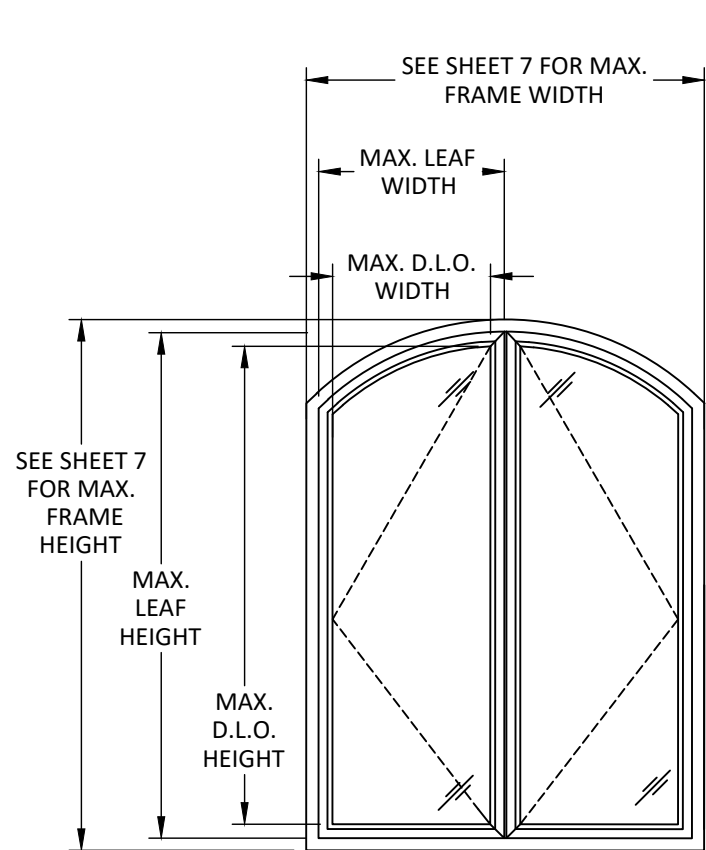
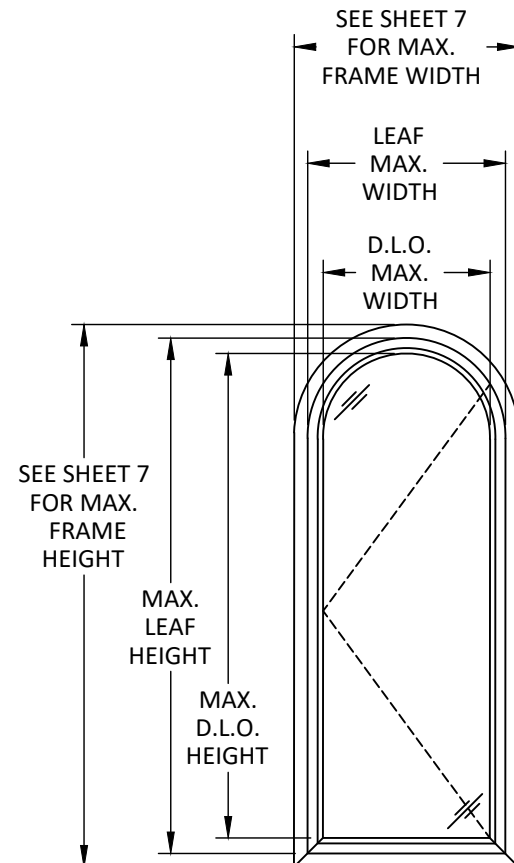
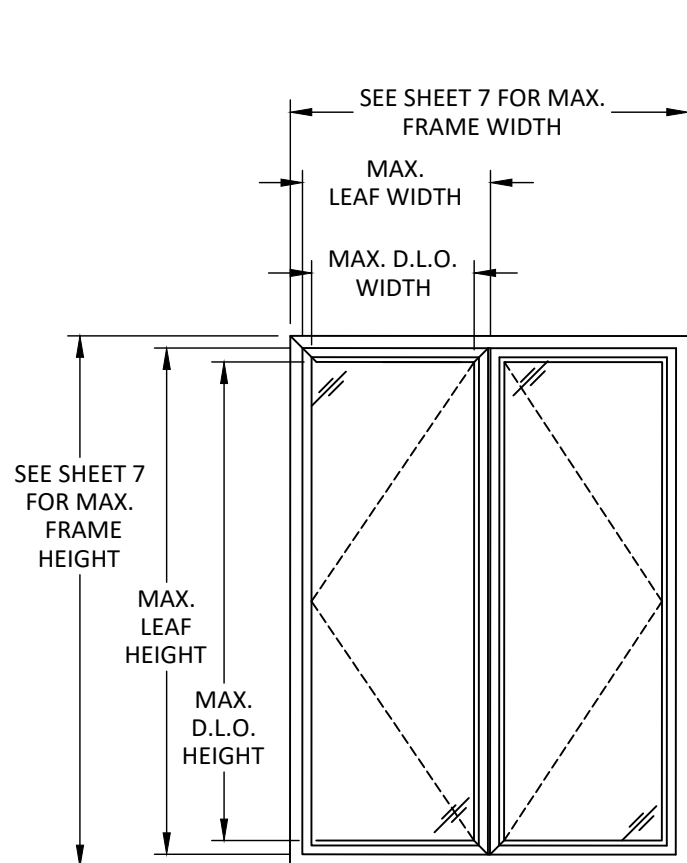
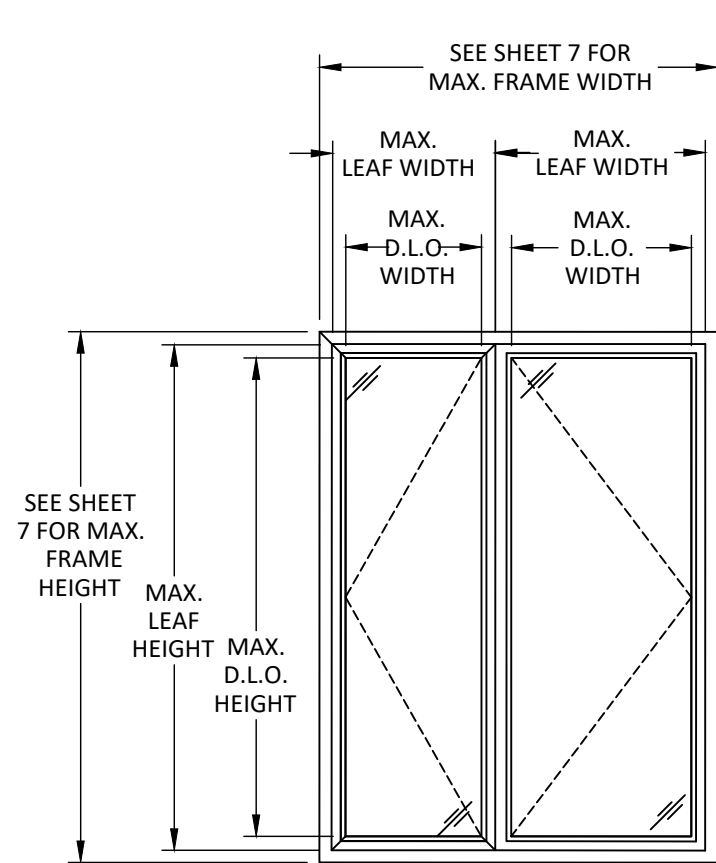
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ALTERNATE CONFIGURATIONS

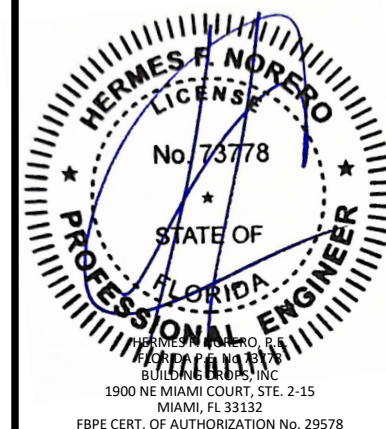
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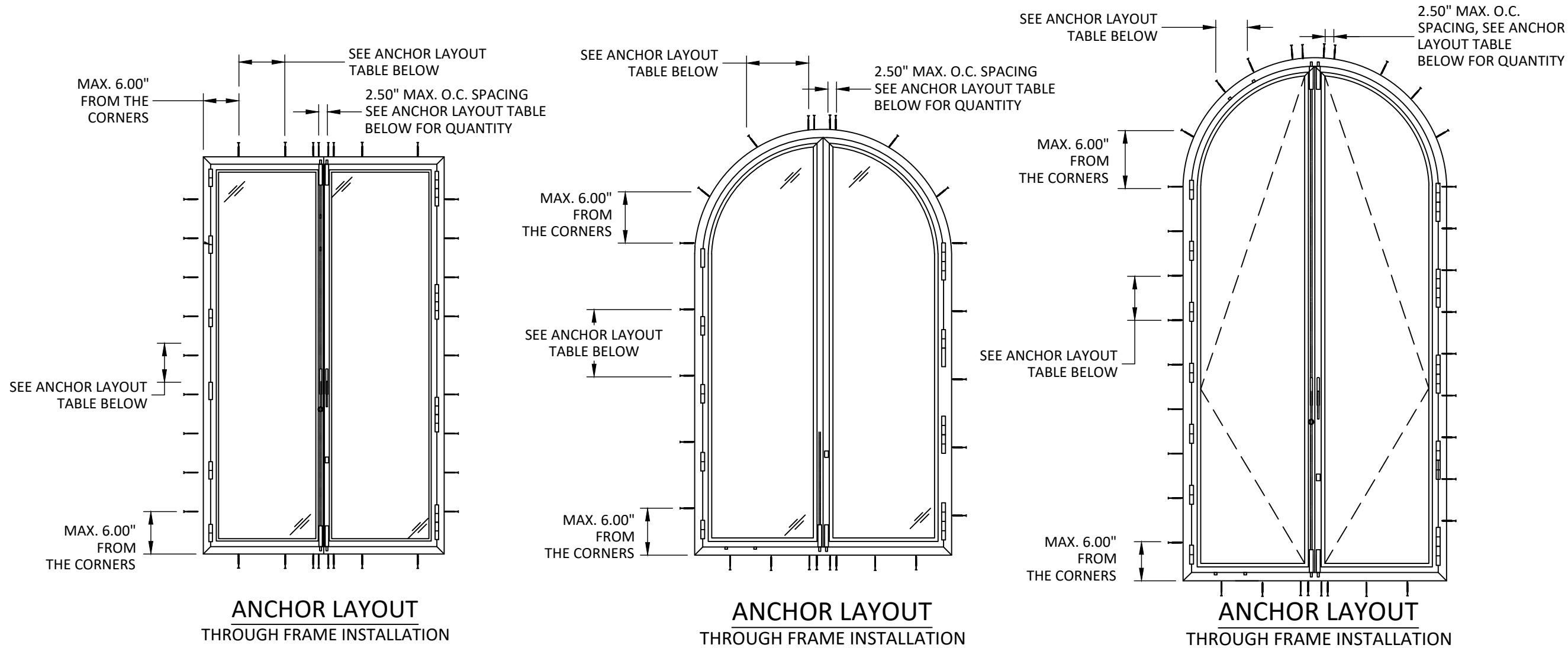
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ANCHOR LAYOUT
THROUGH FRAME INSTALLATION

ANCHOR LAYOUT
THROUGH FRAME INSTALLATION

ANCHOR LAYOUT
THROUGH FRAME INSTALLATION

SHORT DIMENSION ANCHOR SPACING TABLE (IN.)											
DOOR WIDTH. (IN.)	MAX. ALLOWABLE DESIGN PRESSURE (PSF)										
	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0
24	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
30	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
36	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
42	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
48	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
54	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
60	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
66	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
72	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
78	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.0	15.0	15.0	15.0

LONG DIMENSION ANCHOR SPACING TABLE (IN.)											
DOOR DIM. HEIGHT (IN.)	MAX. ALLOWABLE DESIGN PRESSURE (PSF)										
	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0
78	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
84	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
90	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
96	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
102	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
108	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.0	15.0	15.0
114	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	14.0	14.0
120	15.5	15.5	15.5	15.5	15.5	15.5	15.0	15.0	15.0	13.0	13.0
126	15.5	15.5	15.5	15.5	15.0	15.0	14.0	14.0	14.0	12.0	12.0
132	15.5	15.5	15.5	15.5	14.0	14.0	13.0	13.0	12.0	12.0	11.0
138	15.0	15.0	13.0	12.0	12.0	11.0	10.0	10.0	9.0	9.0	9.0
145	14.0	13.0	13.0	12.0	11.0	10.0	9.0	9.0	9.0	8.0	8.0

ASTRAGAL ANCHOR CLUSTER QUANTITY											
DOOR HEIGHT (IN.)	MAX. ALLOWABLE DESIGN PRESSURE (PSF)										
	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0
78	3	3	3	3	3	3	3	3	3	3	3
84	3	3	3	3	3	3	3	3	3	3	3
90	4	4	4	4	4	4	4	4	4	4	4
96	4	4	4	4	4	4	4	4	4	4	4
102	5	5	5	5	5	5	5	5	5	5	5
108	5	5	5	5	5	5	5	5	5	5	5
114	5	5	5	5	5	5	5	5	5	6	6
120	6	6	6	6	6	6	6	6	6	7	7
126	6	6	6	6	6	6	7	7	7	9	9
132	7	7	7	7	7	7	8	8	9	9	9
138	7	7	9	9	9	9	9	9	9	9	9
145	8	9	9	9	9	9	9	9	9	9	9



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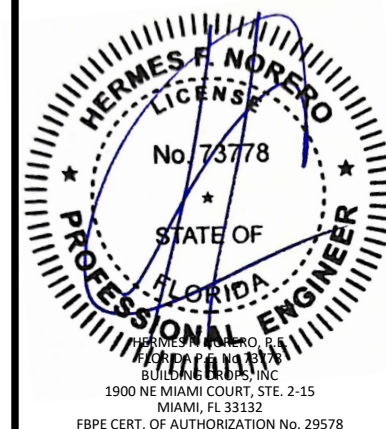
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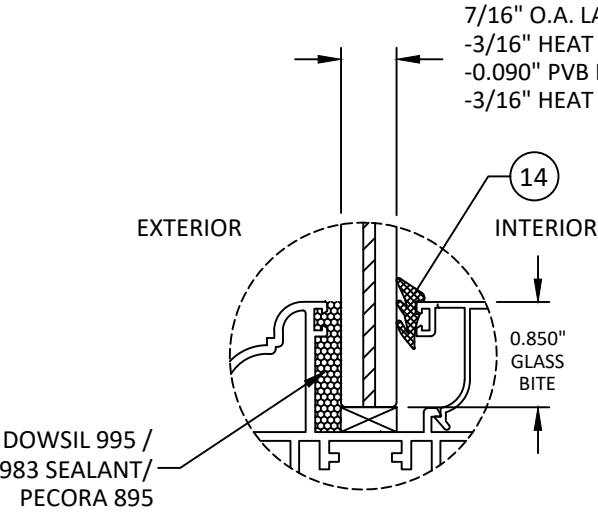
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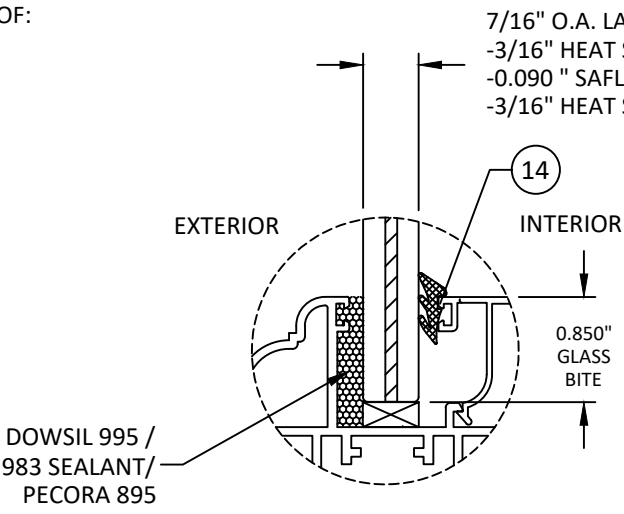
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SHEET: **5** OF 12

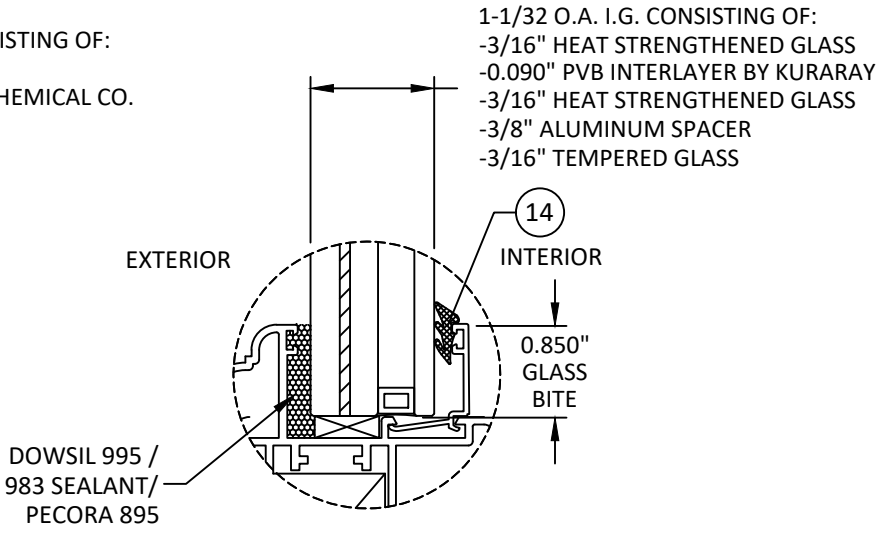
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GLAZING DETAIL 1



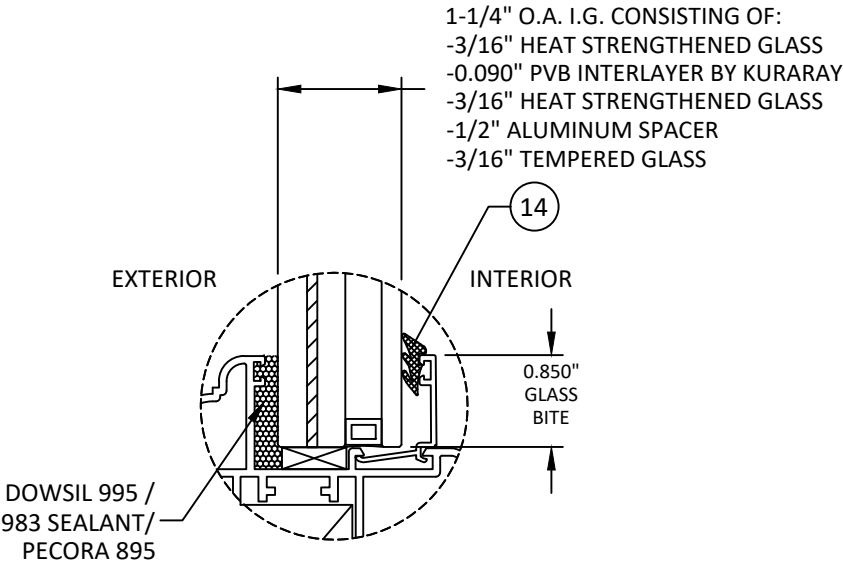
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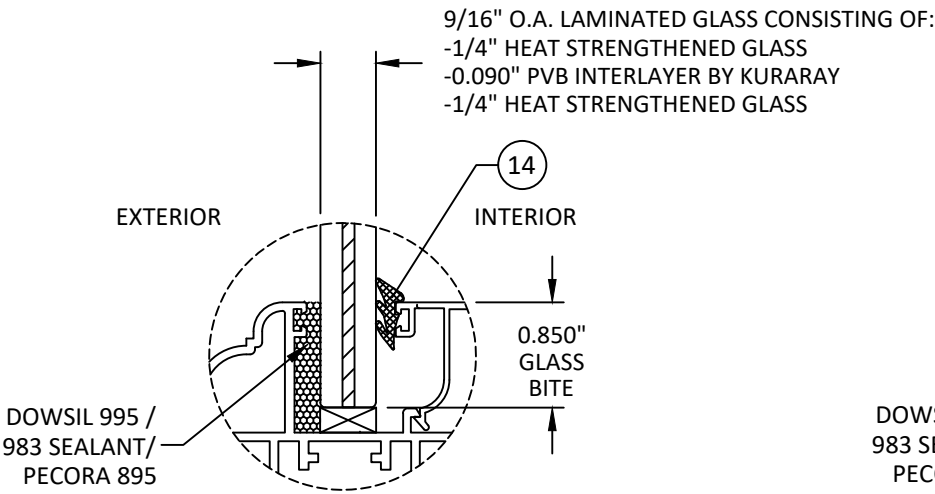
GLAZING DETAIL 3

GLAZING NOTES:

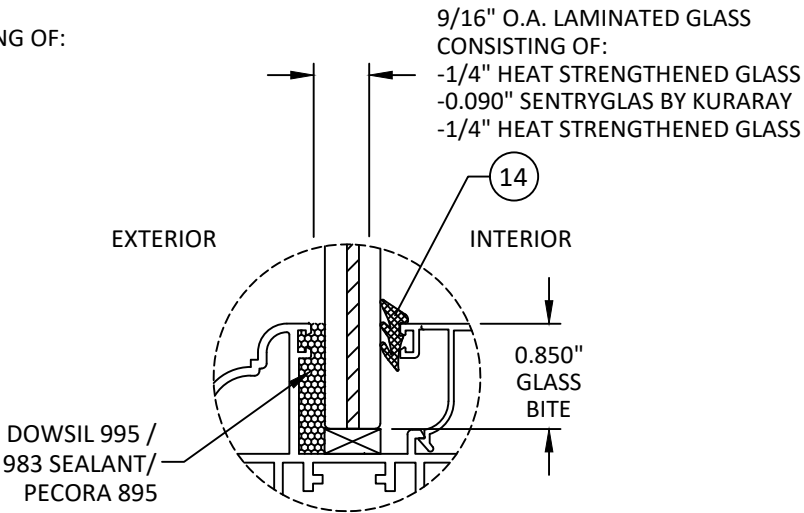
- GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.



GLAZING DETAIL 4



GLAZING DETAIL 5



GLAZING DETAIL 6



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GLAZING DETAILS

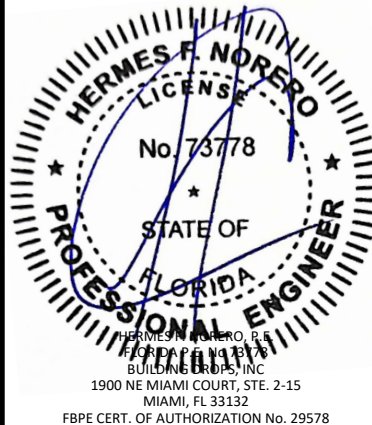
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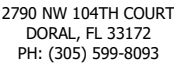
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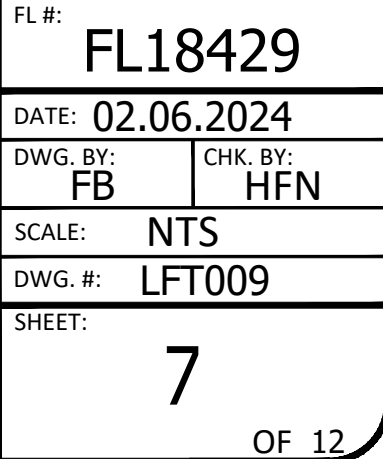
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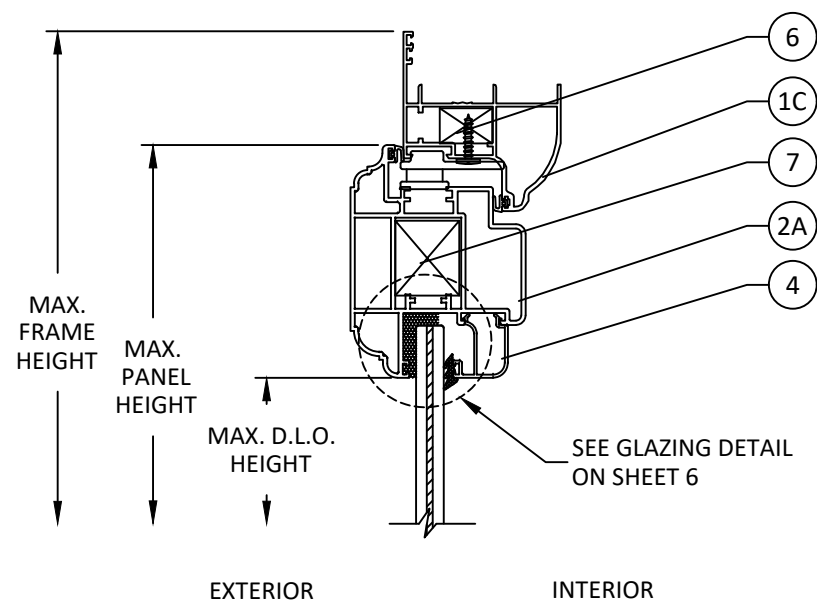
NOTE: WIDTHS SHOWN ARE FOR DOUBLE DOOR. FOR SINGLE DOOR DIVIDE THE WIDTH BY TWO.



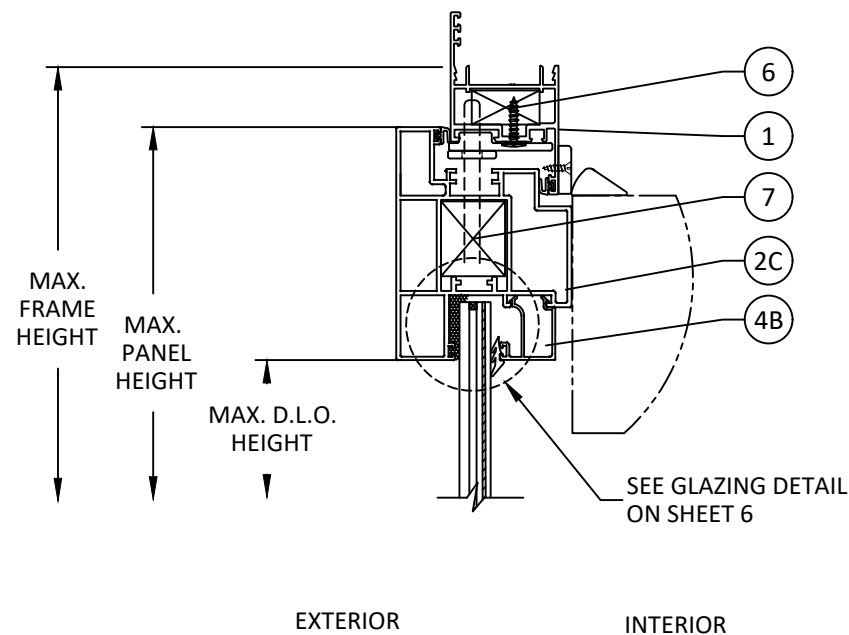
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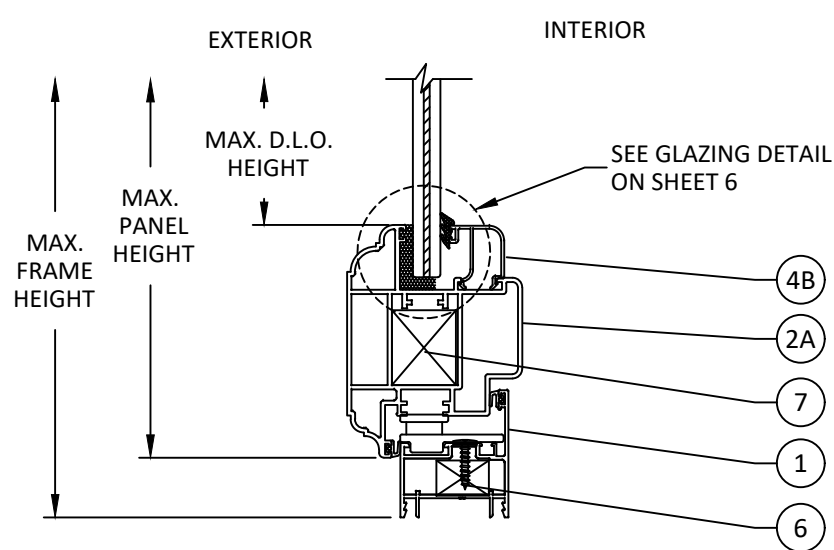
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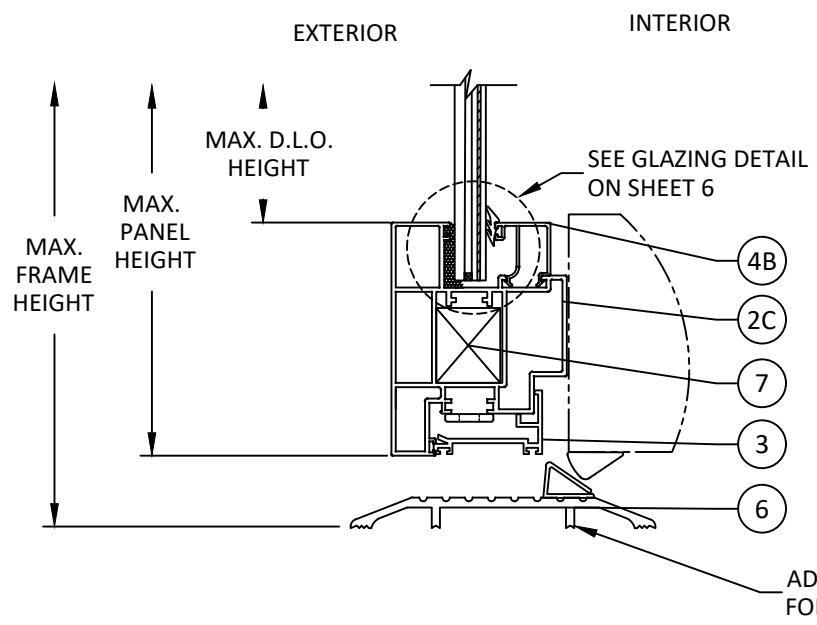
A
8
VERTICAL SECTION
TYP. HEAD DETAIL



B
8
VERTICAL SECTION
TYP. HEAD DETAIL



C
8
VERTICAL SECTION
TYP. SILL DETAIL



D
8
VERTICAL SECTION
TYP. SILL DETAIL



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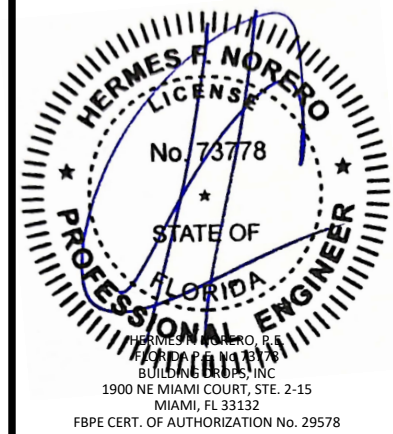
TITLE: EKU 53 OUTSWING
FRENCH DOOR
(HVHZ) (IMPACT)
VERTICAL SECTIONS

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



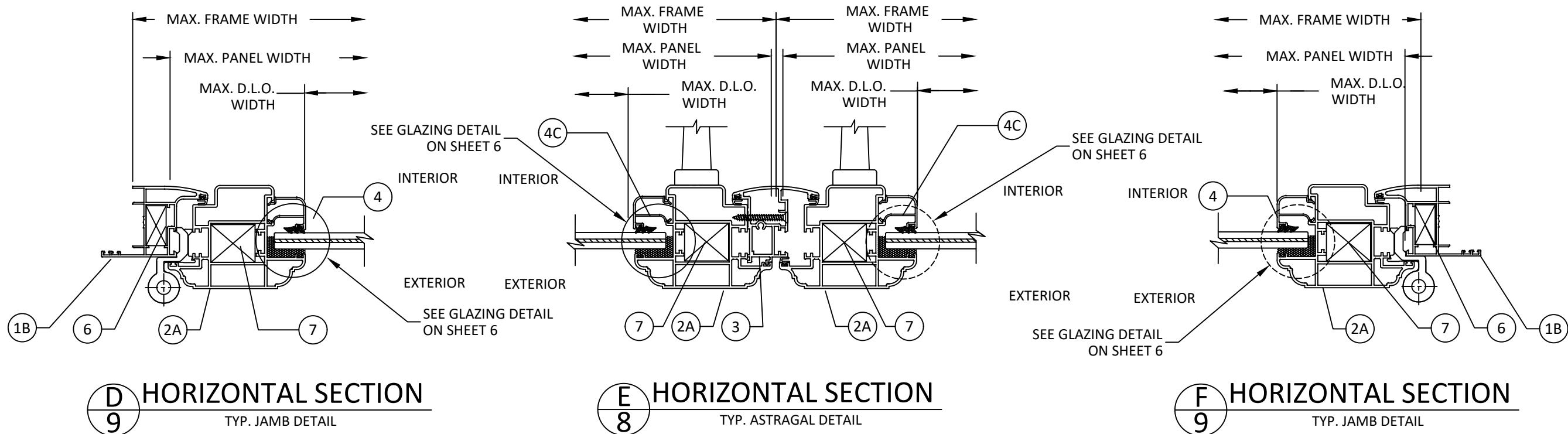
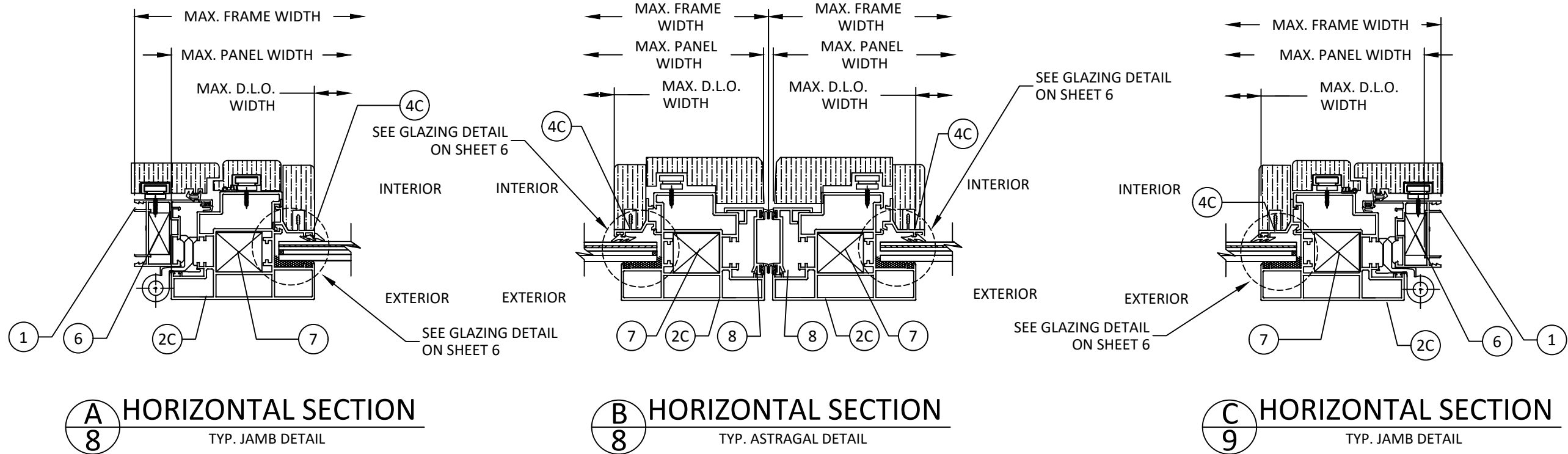
REMARKS	BY	DATE

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DWG. BY:	FB	CHK. BY:	HFN
SCALE:		NTS	
DWG. #:		LFT009	
SHEET:		8	
		OF 12	

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EKU 53 OUTSWING
FRENCH DOOR
(HVHZ) (IMPACT)

HORIZONTAL SECTION

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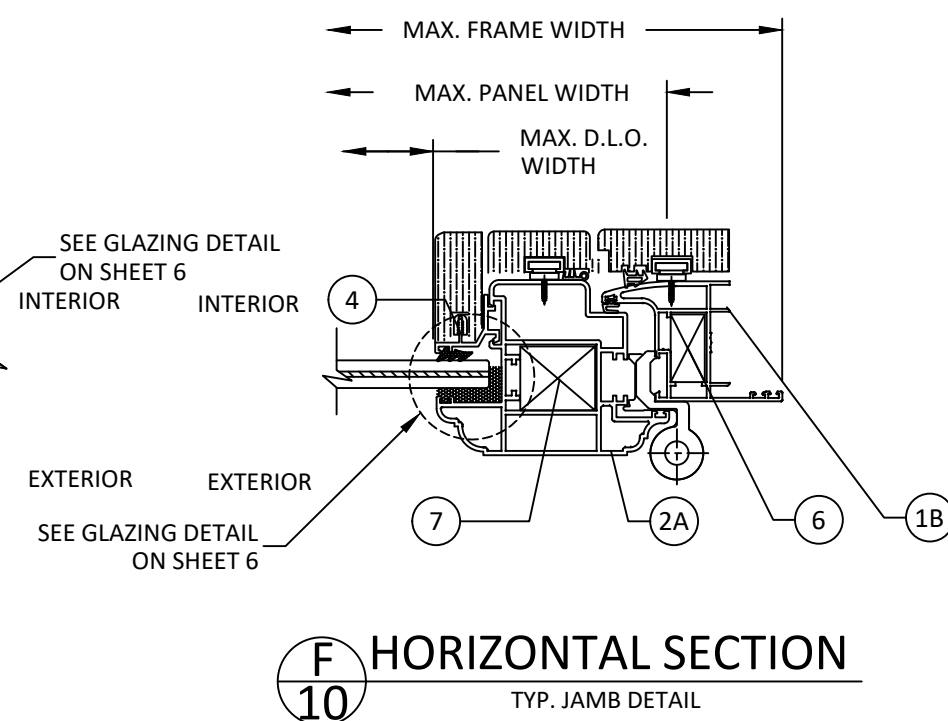
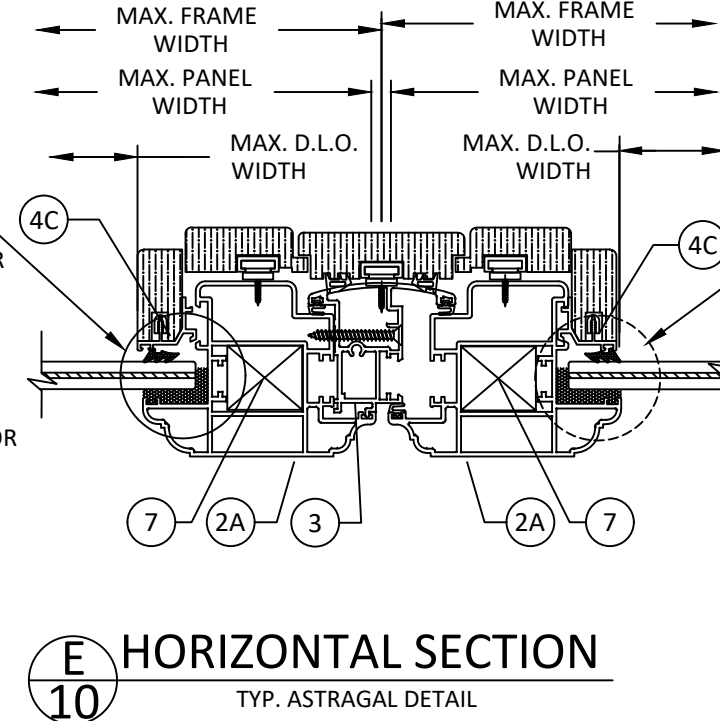
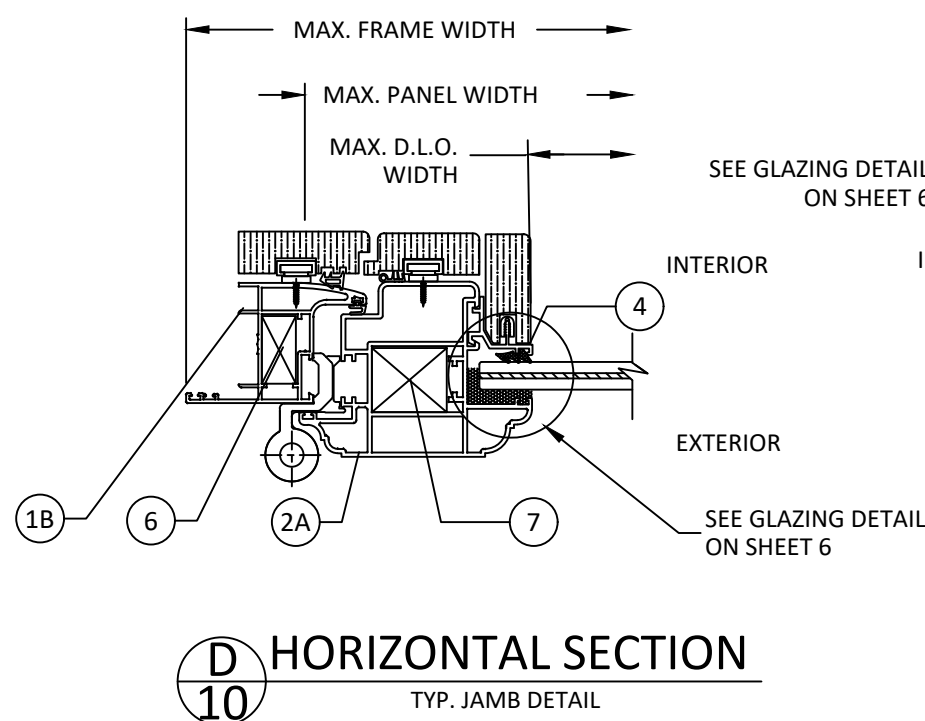
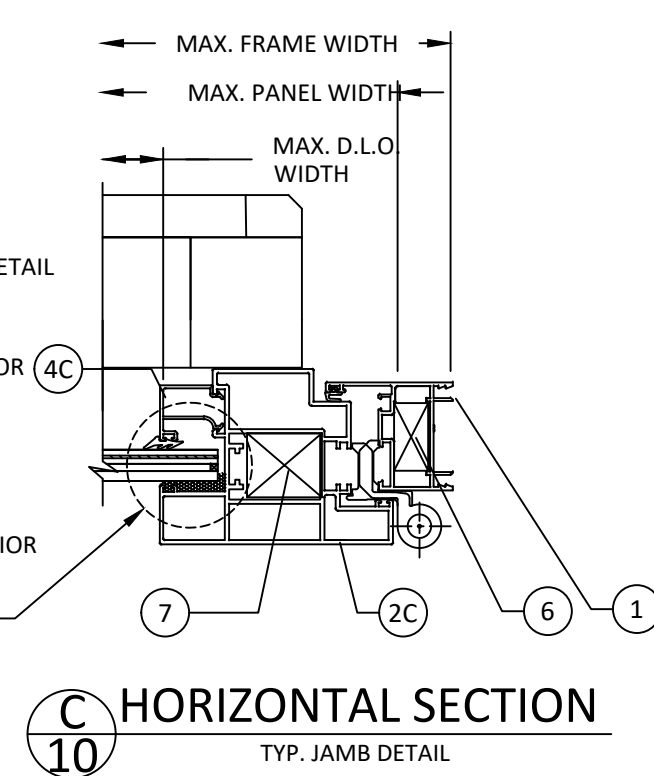
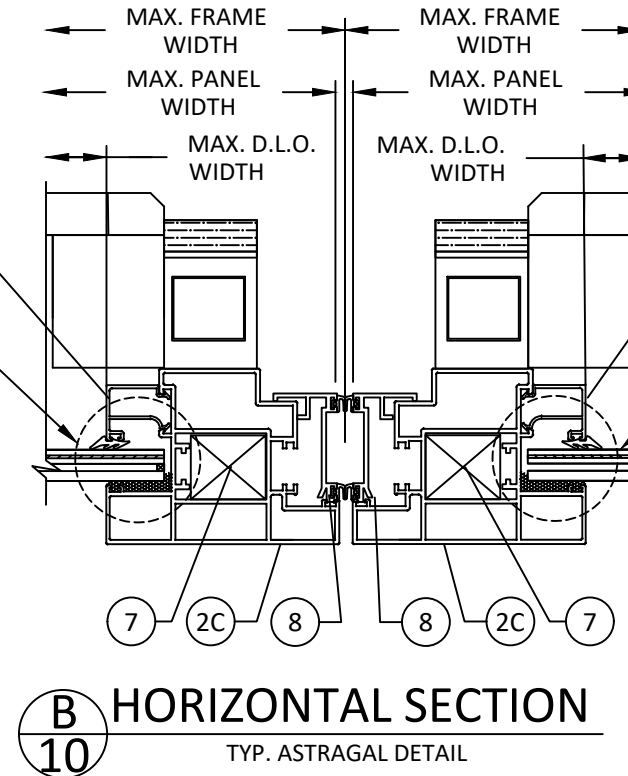
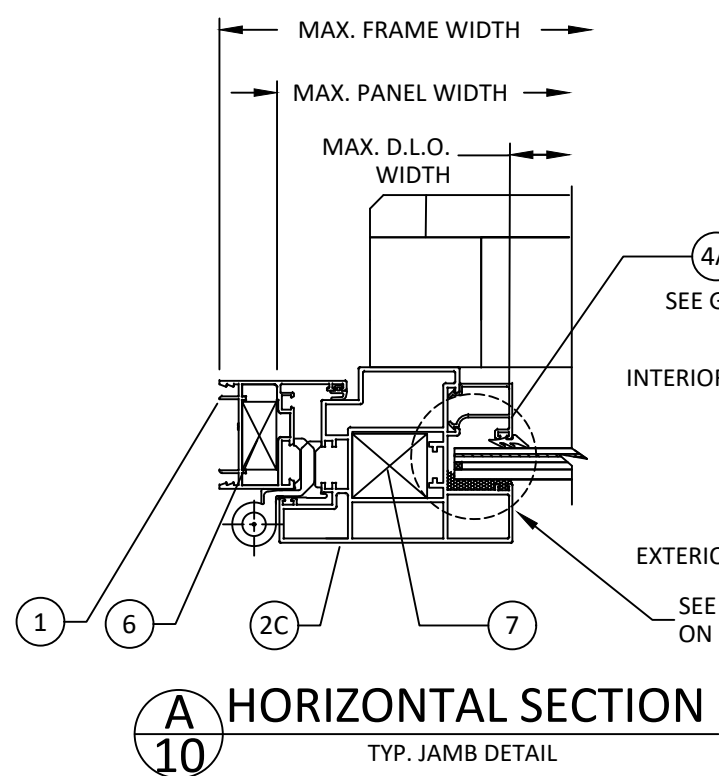
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DORAL, FL 33172
PH: (305) 599-8093

TITLE: EKU 53 OUTSWING
FRENCH DOOR
(HVHZ) (IMPACT)

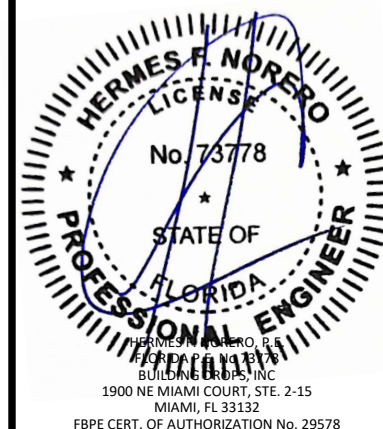
HORIZONTAL SECTION

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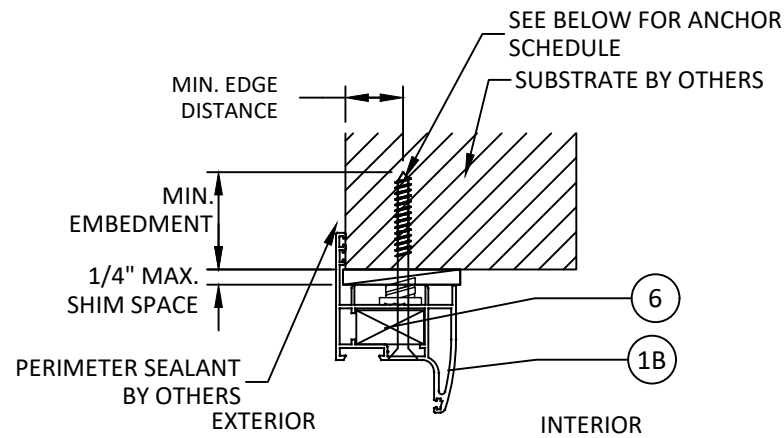
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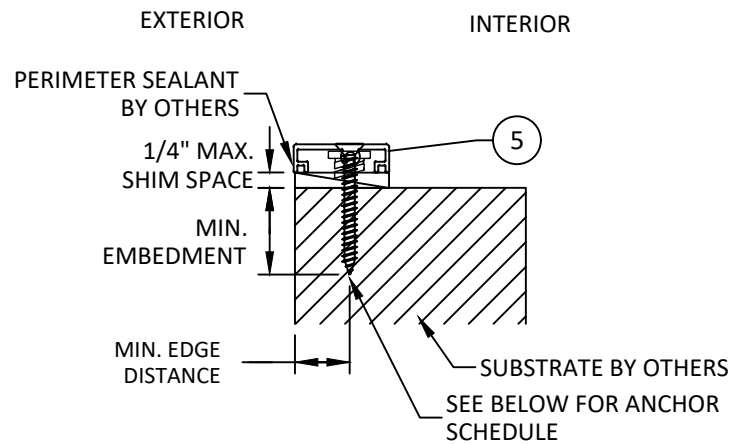
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OF 12

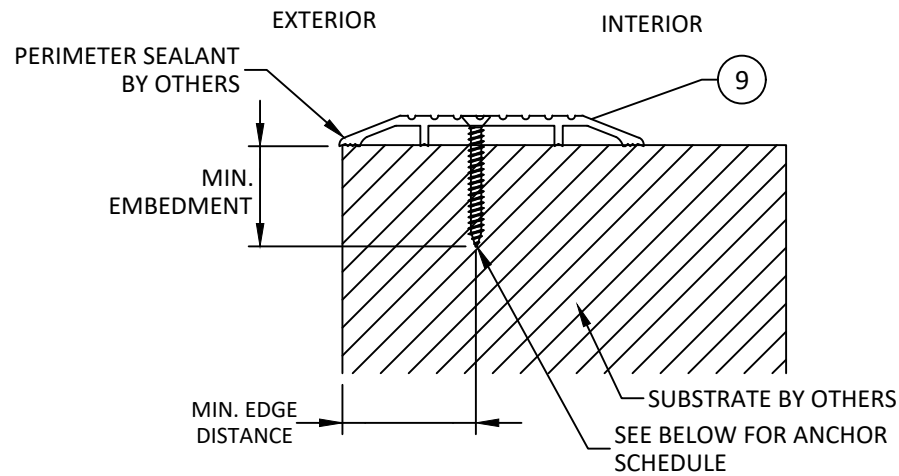
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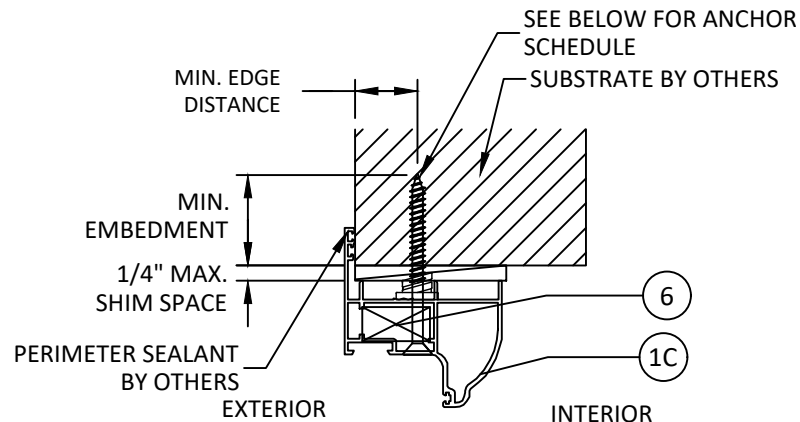
A
11 VERTICAL SECTION
HEAD - THROUGH FRAME



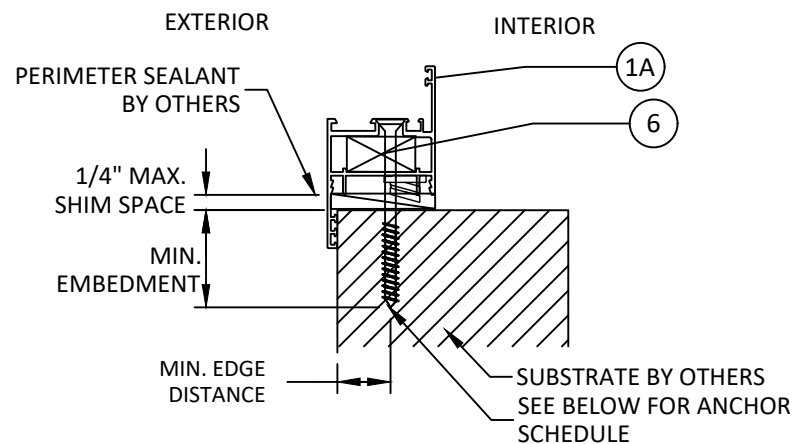
D
11 VERTICAL SECTION
SILL - THROUGH FRAME



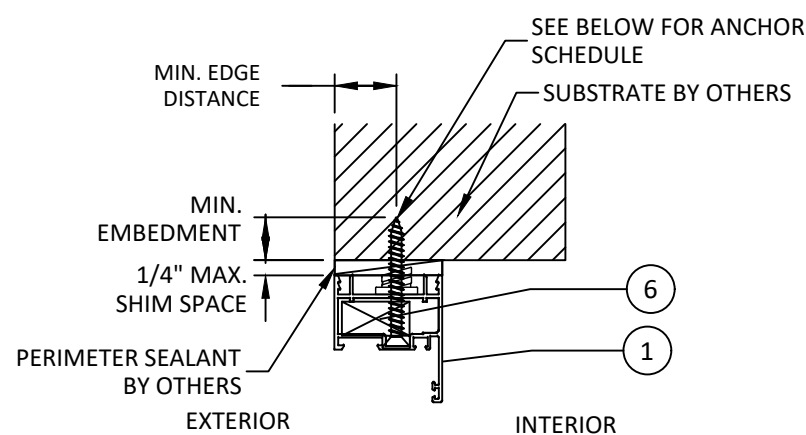
F
11 VERTICAL SECTION
SILL - THROUGH FRAME



B
11 VERTICAL SECTION
HEAD - THROUGH FRAME



E
11 VERTICAL SECTION
SILL - THROUGH FRAME



C
11 VERTICAL SECTION
HEAD - THROUGH FRAME

NOTE: HEAD DETAIL SHOWN,
JAMB SIMILAR.

ANCHOR SCHEDULE					
METHOD	SUBSTRATE	ANCHOR SCHEDULE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	SPACING
THROUGH FRAME	WOOD: MIN. SG = 0.55	#14 WOOD SCREW	1.50"	0.75"	SEE SHEET 5
	METAL: 18 GAUGE STEEL, MIN. Fy = 33KSI	1/4" SELF DRILLING TAPCON	3 THREADS MIN. PENETRATION BEYOND STRUCTURE	0.50"	
	ALUMINUM: 1/8" MIN. 6063-T5				
	CONCRETE: fc = 3000PSI	1/4" ITW TAPCON	1.50"	3.00"	
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	1/4" ITW TAPCON	1.00"	3.00"	



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ECU 53 OUTSWING
FRENCH DOOR
(H/VHZ) (IMPACT)

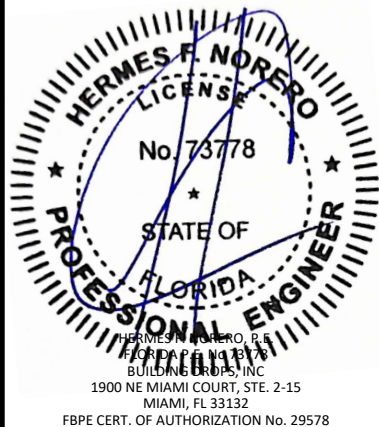
ANCHOR DETAILS

PREPARED BY:
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SCALE: **NTS**

DWG. #: **LFT009**

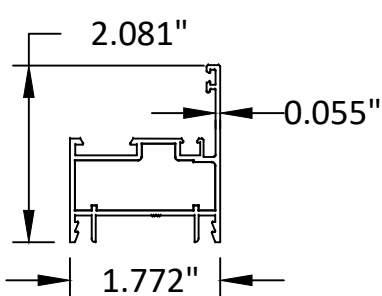
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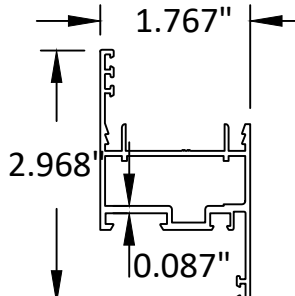
OF 12

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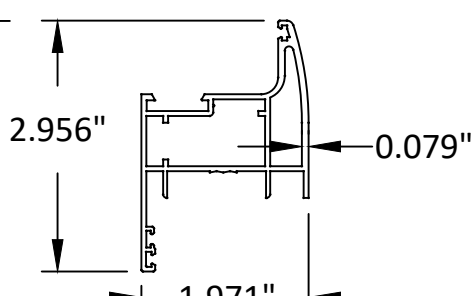
BILL OF MATERIALS				
ITEM	PART NO.	DESCRIPTION	MATERIAL	MANUF./SUPPLIER/REMARKS
1	7011	FRAME	6063-T5	GRUPPO PROFILATI SPA
1A	7012	FRAME	6063-T5	GRUPPO PROFILATI SPA
1B	17948	FRAME	6063-T5	GRUPPO PROFILATI SPA
1C	17949	FRAME	6063-T5	GRUPPO PROFILATI SPA
2	16012	CLASSICA SASH	6063-T5	GRUPPO PROFILATI SPA
2A	16013	CLASSICA SASH	6063-T5	GRUPPO PROFILATI SPA
2B	Z18853	CLASSICA SASH	6063-T5	GRUPPO PROFILATI SPA
2C	27918	FUTURA SASH	6063-T5	GRUPPO PROFILATI SPA
3	27918	ASTRAGAL	6063-T5	GRUPPO PROFILATI SPA
4	4195	GLAZING BEAD	6063-T5	GRUPPO PROFILATI SPA
4A	4298	GLAZING BEAD	6063-T5	GRUPPO PROFILATI SPA
4B	4293	GLAZING BEAD	6063-T5	GRUPPO PROFILATI SPA
4C	92109	GLAZING BEAD	6063-T5	GRUPPO PROFILATI SPA
5	6009	COMMERCIAL THRESHOLD	6063-T5	GRUPPO PROFILATI SPA
6	409	FRAME CORNER KEY	ALUMINUM	MONTICELLI
7	5004	SASH CORNER KEY	ALUMINUM	MONTICELLI
7A	001	SASH CORNER KEY	ALUMINUM	GRUPPO PROFILATI SPA
7B	002	SASH CORNER KEY	ALUMINUM	GRUPPO PROFILATI SPA
8	7019	BYPASS SASH ATTACHMENT	6063-T5	GRUPPO PROFILATI SPA
9	5004	ADA SILL	6063-T6	GRUPPO PROFILATI SPA
10	1286	5-POINT LOCKING SYSTEM	S.S.	AMESBURY
11	FB-1300-20-SS	FLUSH BOLT	S.S.	SULLIVAN
12	CD-MPK-100-SS	MULTIPOINT KEEPER KIT	S.S./ALUMINUM	SULLIVAN
13	2666	WEATHERSTRIP GASKET	EPDM	GRUPPO PROFILATI SPA
14	002/009	WEDGE GASKET	EPDM	GRUPPO PROFILATI SPA
15	895/995	STRUCUTRAL SILICONE	SILICONE	PECORA OR DOWSIL
16	CD.100.BK	FRAME INSERT	ALLUM/NYLON	SULLIVAN
17	SDG.SP.316	STRIKE PLATE	S.S.	SULLIVAN
18	2167/2168	FLUSH BOLT	ZAMA	GSG



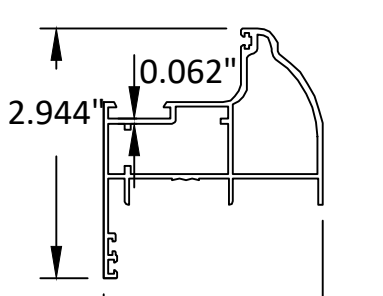
1 FRAME (FIN)
uPVC



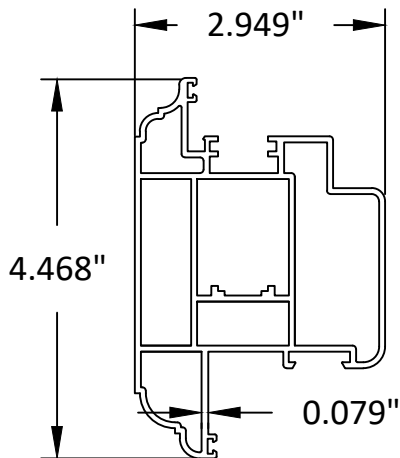
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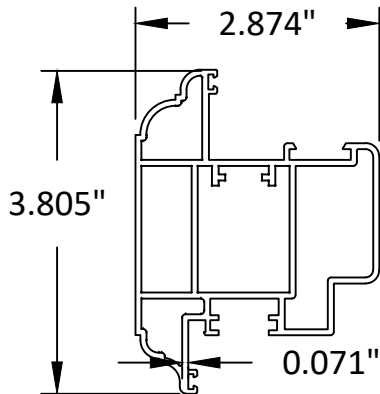
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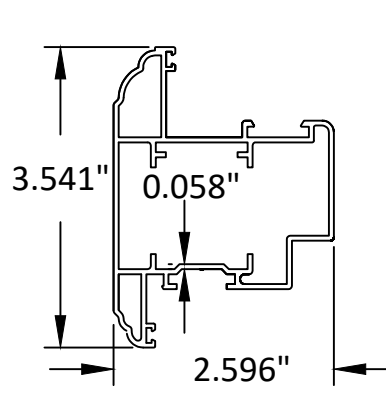
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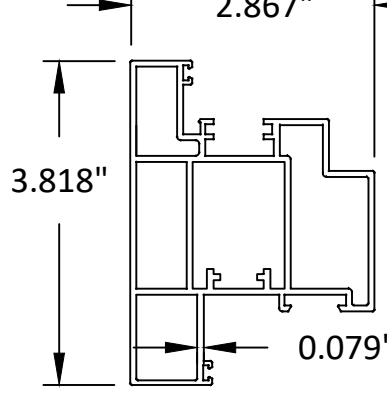
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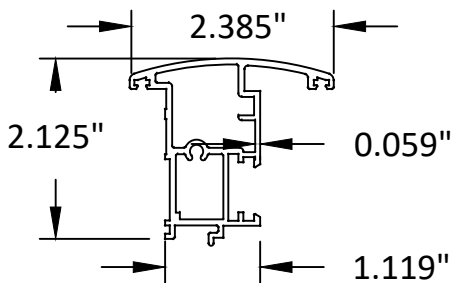
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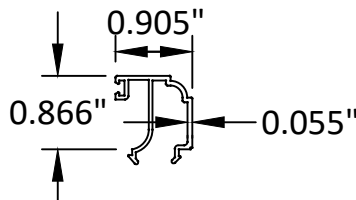
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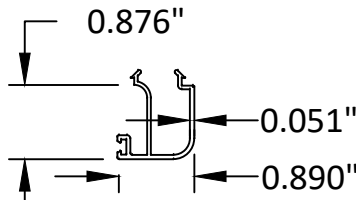
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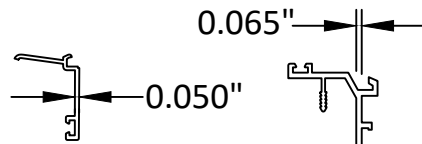
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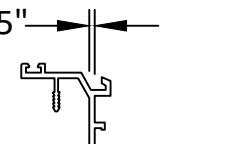
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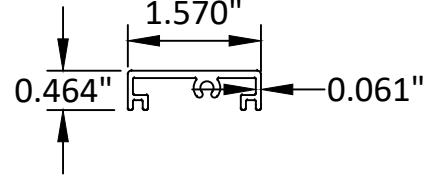
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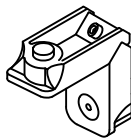
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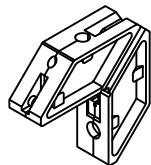
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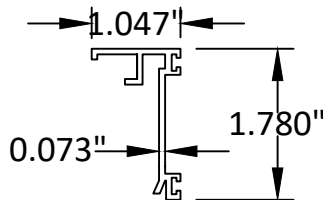
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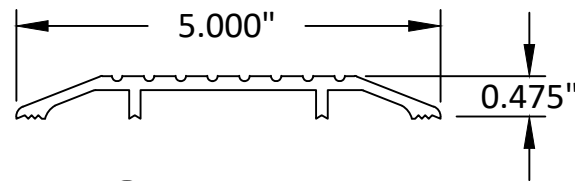
6 FRAME (FIN)
uPVC



7 FRAME (FIN)
uPVC



8 FRAME (FIN)
uPVC



9 FRAME (FIN)
uPVC



2790 NW 104TH COURT
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PH: (305) 599-8093

TITLE:
EKU 53 OUTSWING
FRENCH DOOR
(HVHZ) (IMPACT)
COMPONENTS &
BILL OF MATERIALS

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