

HISTORICAL ARTS & CASTING, INC.

PALMETTO SERIES OUTSWING DOORS

(HVHZ)(IMPACT)

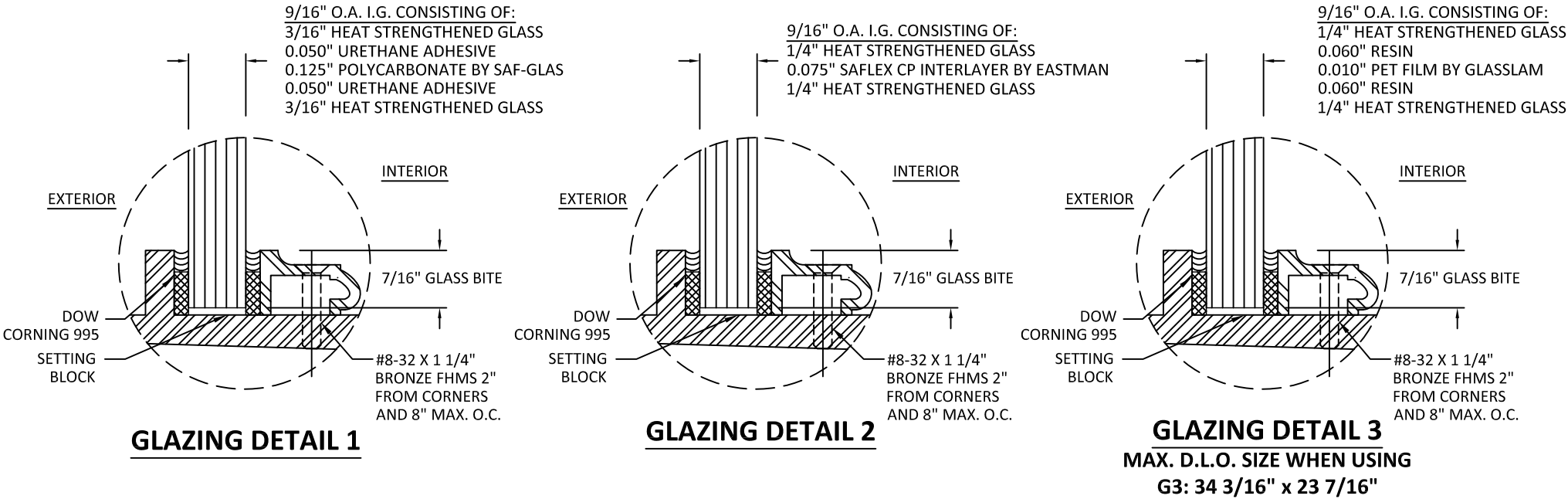
GENERAL NOTES:

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 WOOD & STEEL 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. 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. FOR NON-HVHZ AREA, INSTALLATION TO BE REVIEWED BY AHJ (AUTHORITY HAVING JURISDICTION).
5. DEVIATION FROM THIS FLORIDA PRODUCT APPROVAL IN HVHZ AREA REQUIRES A ONE TIME APPROVAL FROM MIAMI-DADE COUNTY RER OR AHJ.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. DOOR MATERIAL: BRONZE
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
9. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM COMPONENTS SHALL BE PROTECTED IN ACCORDANCE WITH THE CURRENT FBC REQUIREMENTS CHAPTER 20.
10. CUSTOM SIZES AVAILABLE UPON REQUEST.

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8	CORNER CONSTRUCTION DETAILS
9	CORNER CONSTRUCTION DETAILS (CONT'D)

DESIGN PRESSURE RATING			
CONFIGURATION	MAX. O.A. PRODUCT SIZE		MISSILE IMPACT RATING
	WIDTH	HEIGHT	
SEE SHEET 2			+/- 70 PSF SMI/LMI

- GLAZING NOTES:
1. GLASS TYPE AND THICKNESS COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, 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. SIZES AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.



HISTORICAL ARTS & CASTING, INC.
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TITLE:
PALMETTO SERIES
OUTSWING DOOR
(HVHZ)(IMPACT)
GENERAL NOTES & GLAZING DETAIL

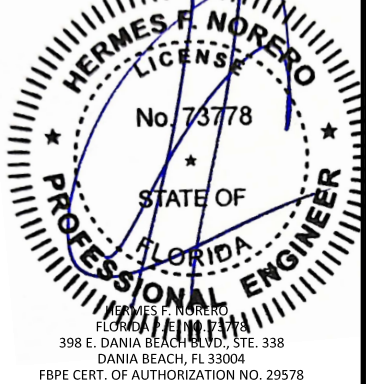
PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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BUILDING DROPS

REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
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DATE: 03.21.23

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CHK. BY: HFN

SCALE: NTS

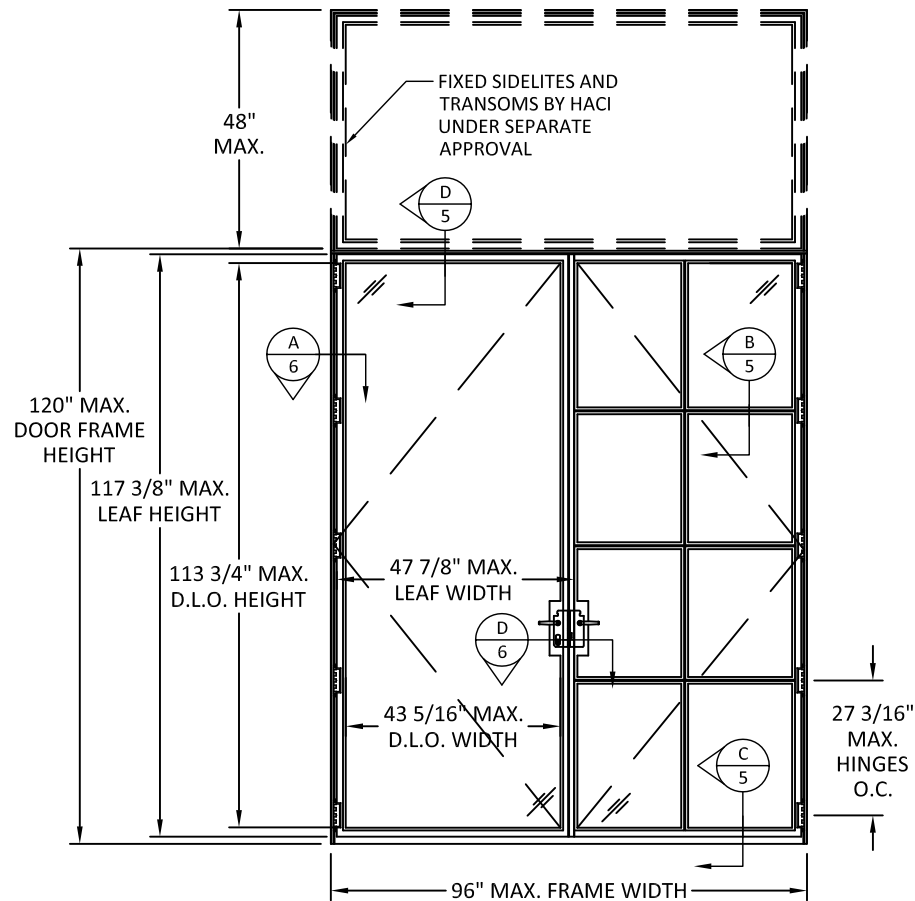
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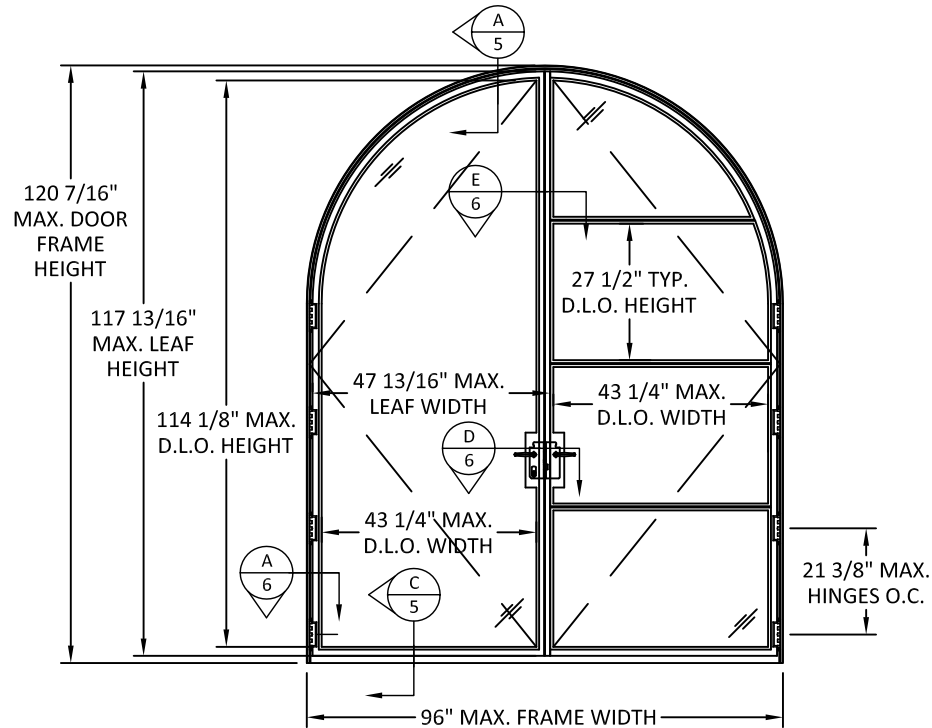
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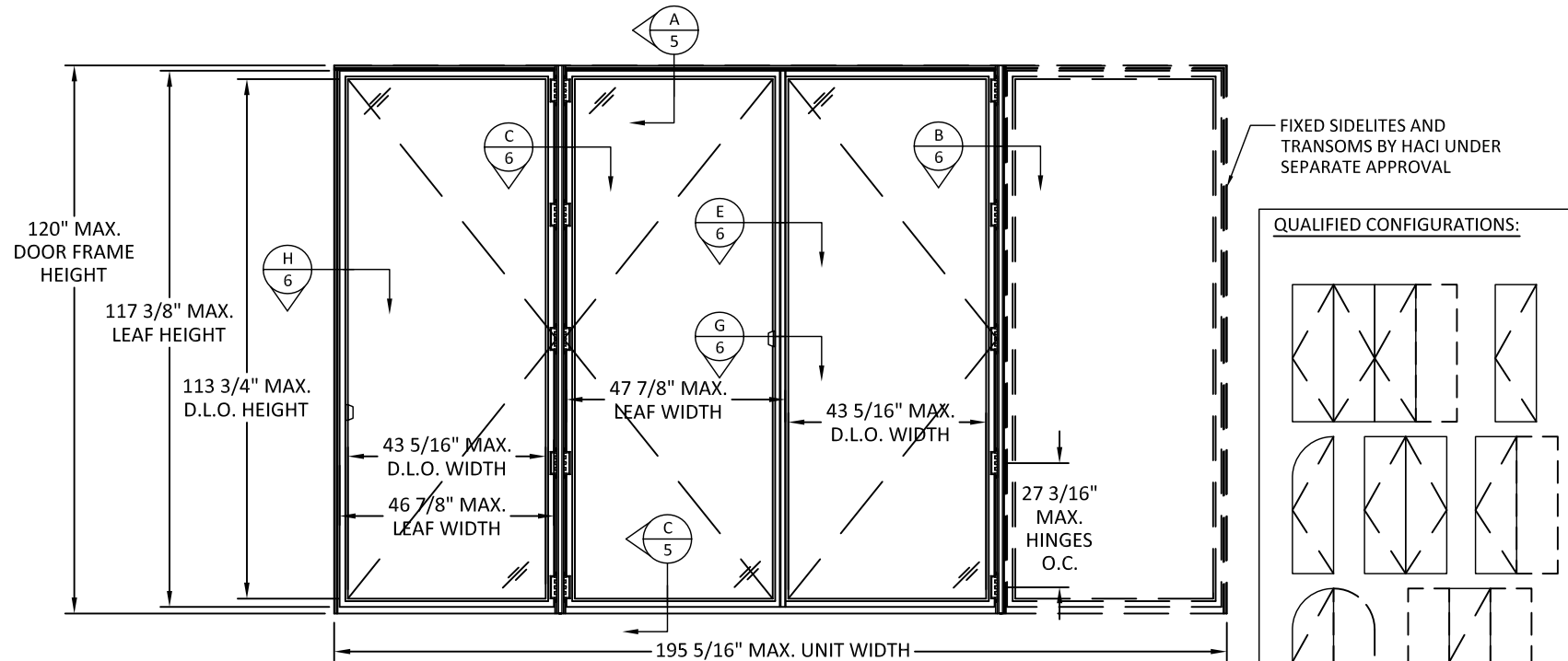
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ELEVATION 1
FRENCH DOOR WITH OPTIONAL TRANSOM
LOCK OPTION 4 SHOWN

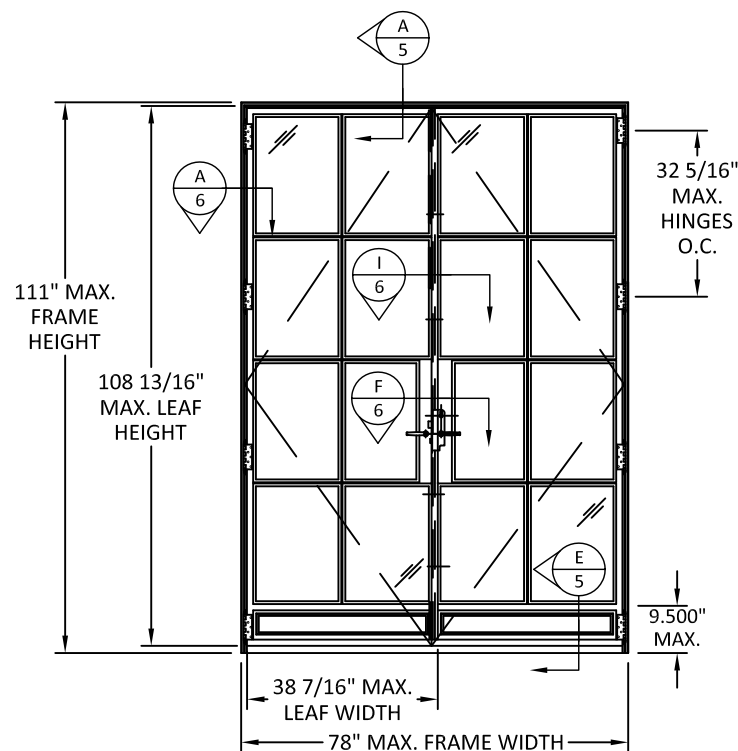


ELEVATION 3
ROUND TOP FRENCH DOOR
LOCK OPTION 5 SHOWN

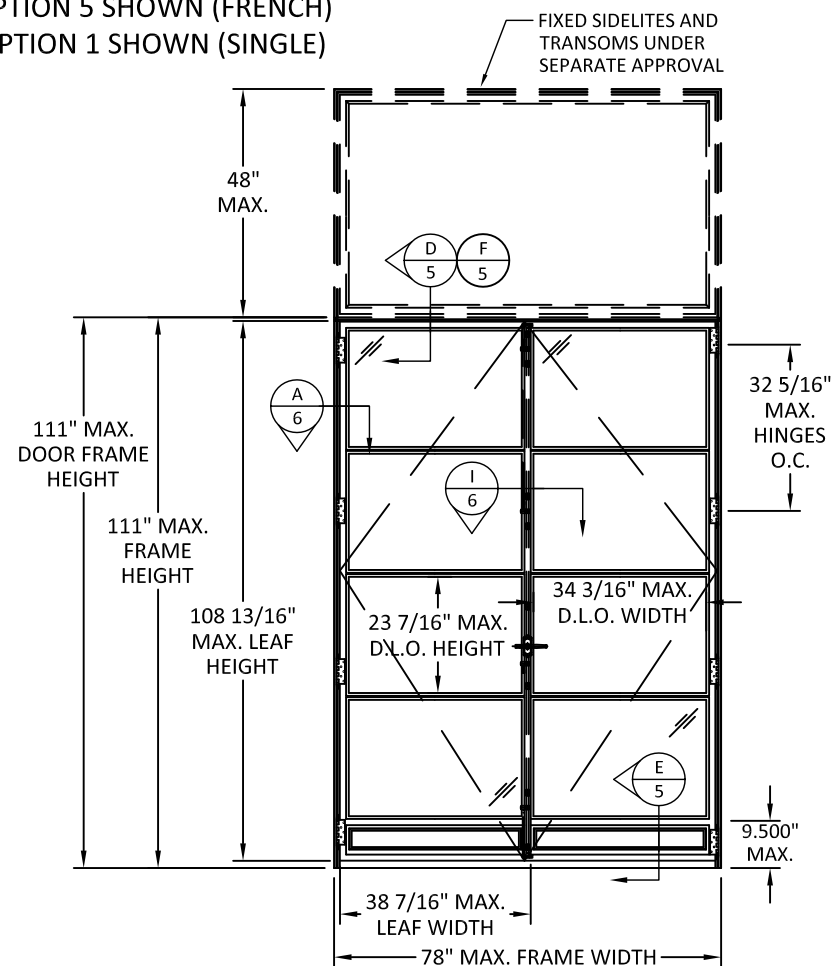


ELEVATION 2
FRENCH DOOR WITH OPTIONAL
OPERABLE AND FIXED SIDELITES
LOCK OPTION 5 SHOWN (FRENCH)
LOCK OPTION 1 SHOWN (SINGLE)

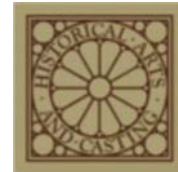
- NOTES:
- MUNTINS ARE OPTIONAL ON ALL ELEVATIONS, SEE SHEET 1 FOR G3 D.L.O. LIMIT.
 - SEE SHEET 4 FOR HARDWARE OPTIONS AND LIMITS.



ELEVATION 4
FRENCH DOOR WITH OPTIONAL KICKPLATE
LOCK OPTION 2 SHOWN



ELEVATION 5
FRENCH DOOR WITH OPTIONAL TRANSOM & KICKPLATE
LOCK OPTION 3 SHOWN



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ELEVATIONS

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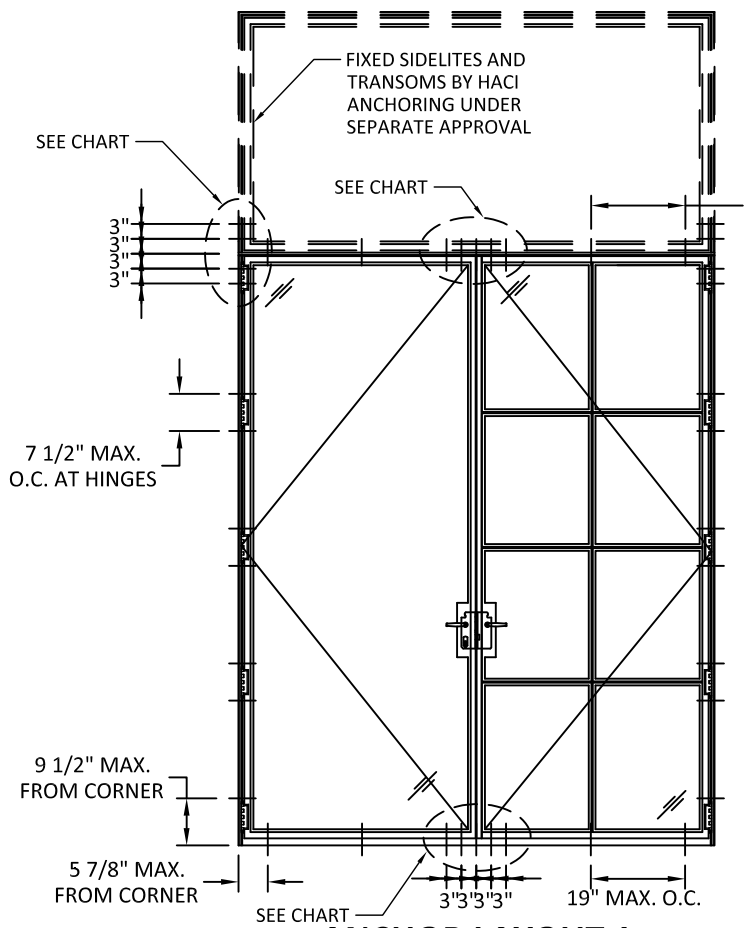
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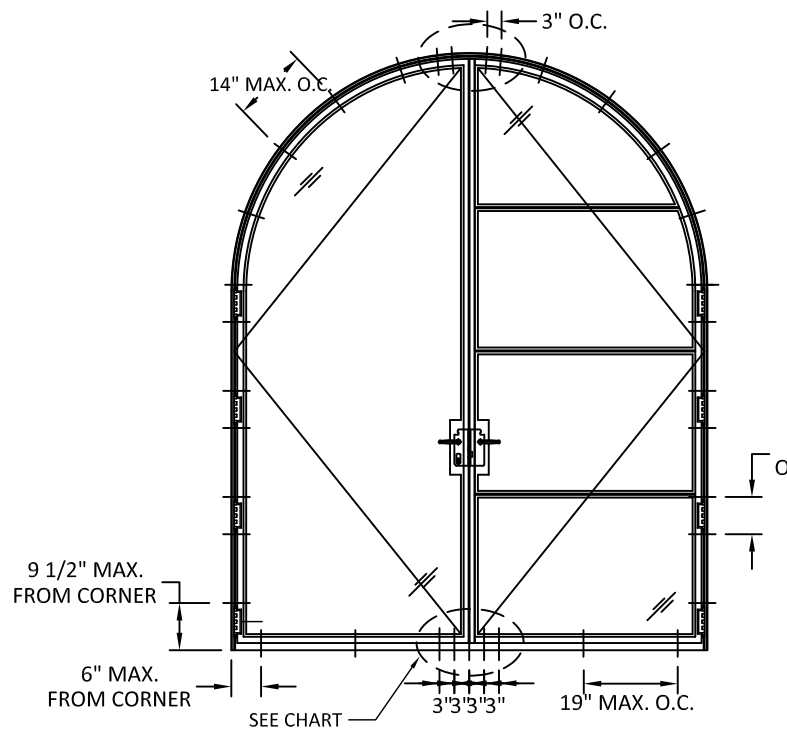
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ANCHOR LAYOUT 1
FRENCH DOOR WITH OPTIONAL TRANSOM

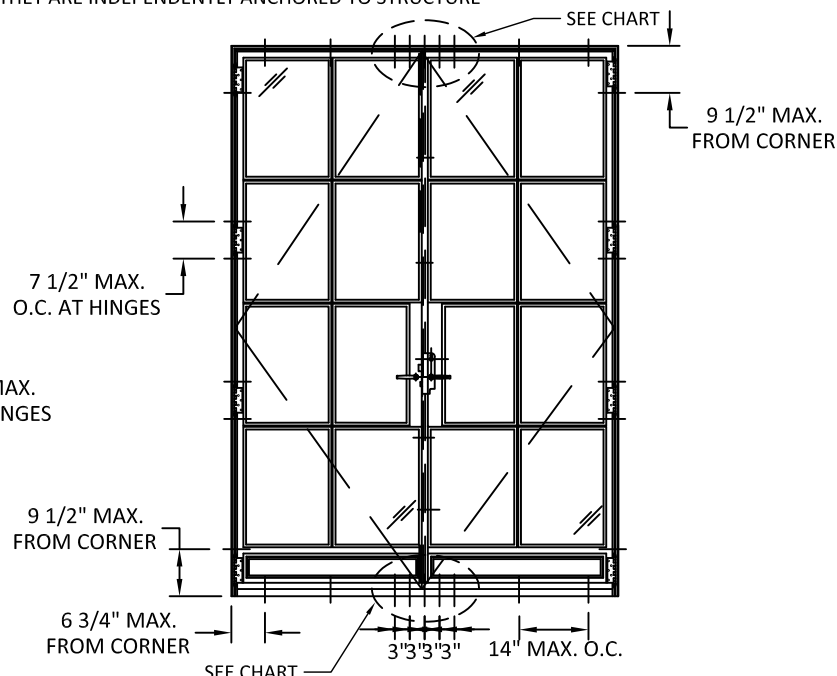


ANCHOR LAYOUT 3
ROUND TOP FRENCH DOOR

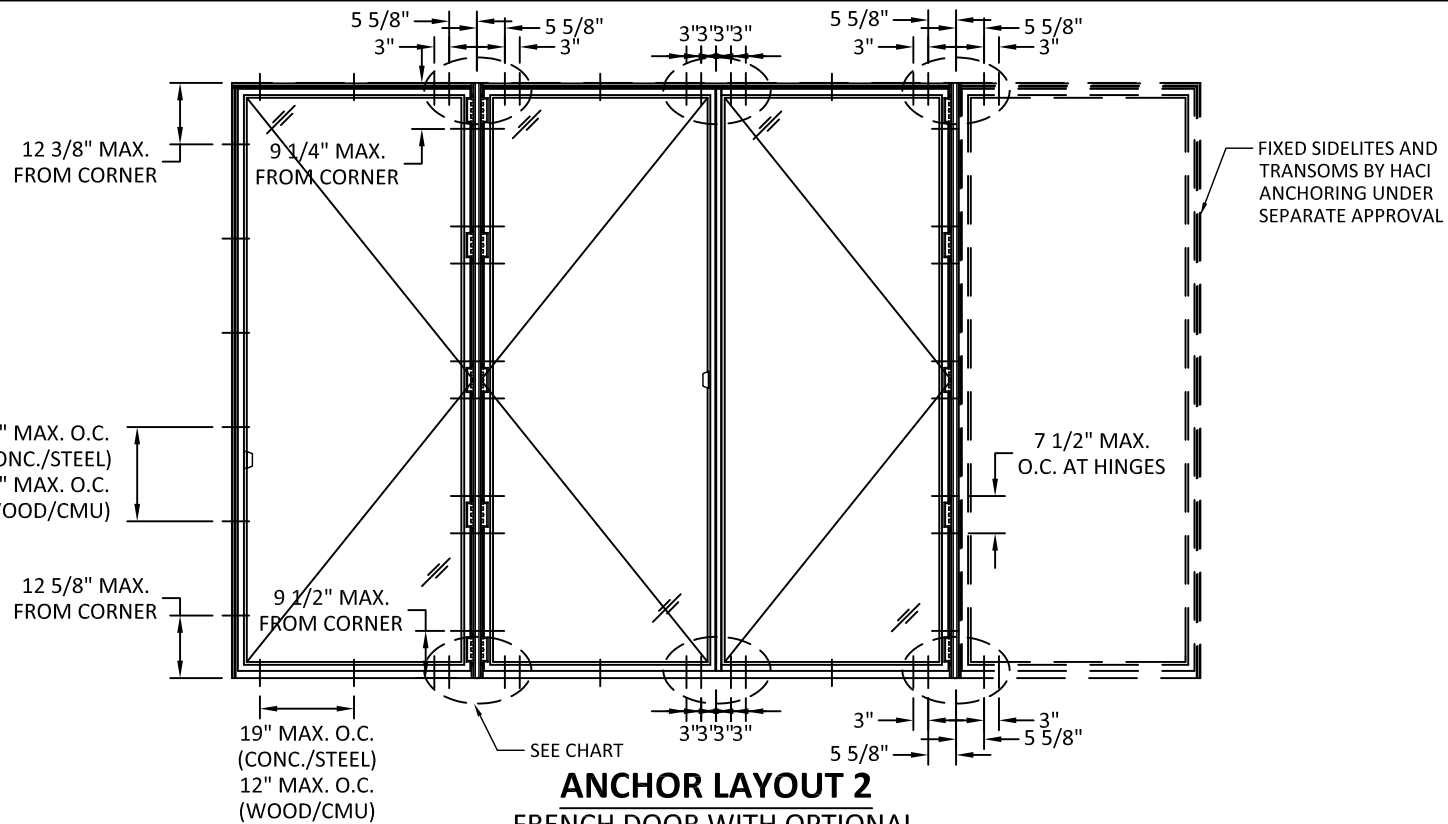
19" MAX. O.C.
(CONC./STEEL/ALUM)
12" MAX. O.C.
(WOOD)

	ANCHOR CLUSTER CHART			
	AT MEETING STILES & MULLIONS		AT MEETING STILES & MULLIONS	
	FRAME SIZE (WxH)		FRAME SIZE (WxH)	
	UP TO	UP TO	UP TO	UP TO
SUBSTRATE	6'-6" x 9'-3"	8'-0" x 10'-0"	6'-6" x 9'-3"	8'-0" x 10'-0"
WOOD	6	8	6	8
CONCRETE	5	6	4	6
CMU	N/A	N/A	4	6
STEEL/ALUM.	4	5	3	4

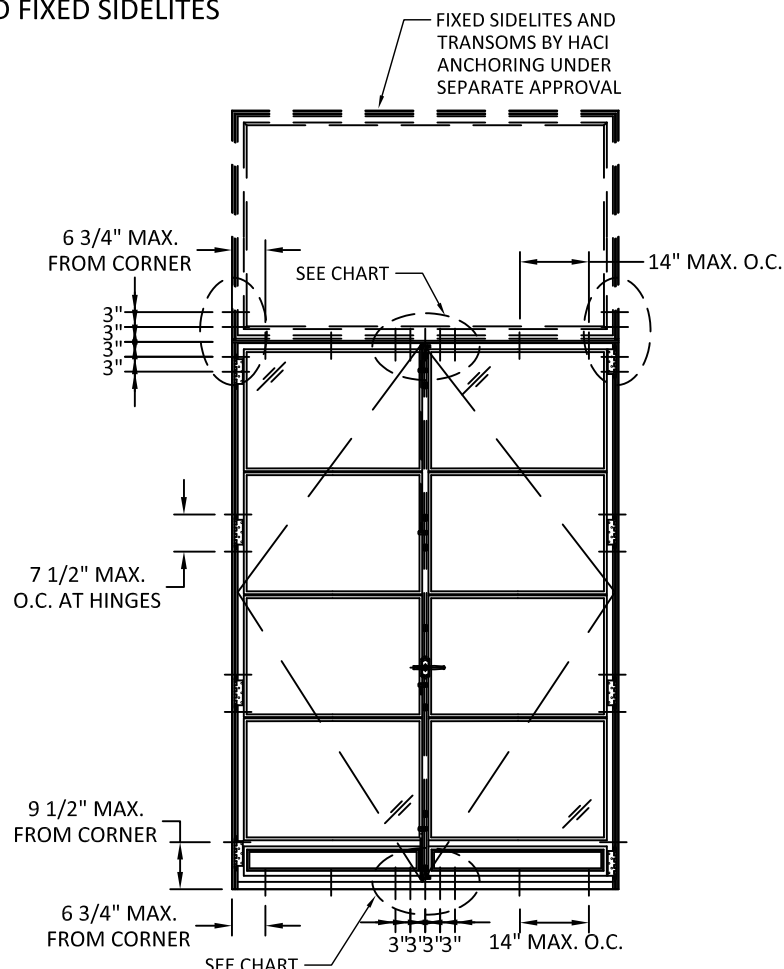
NOTE: MULLIONS DO NOT REQUIRE ADJACENT ANCHOR CLUSTERS IF THEY ARE INDEPENDENTLY ANCHORED TO STRUCTURE



ANCHOR LAYOUT 4
FRENCH DOOR WITH OPTIONAL KICKPLATE



ANCHOR LAYOUT 2
FRENCH DOOR WITH OPTIONAL
OPERABLE AND FIXED SIDELITES



ANCHOR LAYOUT 5
FRENCH DOOR WITH OPTIONAL TRANSOM
& KICKPLATE



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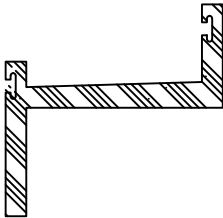
LOCK OPTIONS			
OPTION #	MAX FRAME SIZE	ACTIVE LEAF HDWR	INACTIVE LEAF HDWR
1	3'-3" x 9'-3" (SINGLE ONLY)	MULTI-POINT ROLLER LATCH WITH LEVER	N/A
2	3'-4 3/4" x 9'-3" (SINGLE) 6'-6" x 9'-3" (FRENCH)	MORTISE LOCK ASSEMBLY	FLUSH BOLTS
3	3'-3" x 9'-3" (SINGLE) 6'-6" x 9'-3" (FRENCH)	CREMONE BOLT ASSEMBLY	CREMONE BOLT ASSEMBLY
4	4'-0" x 10'-0" (SINGLE) 8'-0" x 10'-0" (FRENCH)	MORTISE GEAR LOCK	MORTISE GEAR LOCK
5	4'-0" x 10'-0" (SINGLE) 8'-0" x 10'-0" (FRENCH)	MULTI-POINT LEVER LOCK	MULTI-POINT LEVER LOCK
6	4'-0" x 10'-0" ROUND TOP (FRENCH ONLY)	MORTISE GEAR LOCK WITH CURVED MULTI-POINT LOCK AT HEAD	MORTISE GEAR LOCK WITH CURVED MULTI-POINT LOCK AT HEAD

HINGE REQUIREMENTS	
MAX FRAME SIZE	HINGES PER LEAF
3'-3" x 9'-3" (SINGLE)	4
6'-6" x 9'-3" (FRENCH)	4
4'-0" x 10'-0" (SINGLE)	5
8'-0" x 10'-0" (FRENCH)	5
8'-0" x 10'-0" (FRENCH ONLY)	4

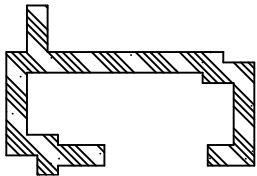
NOTES:

- ELEVATIONS ON SHEET 2 INDICATE TYPICAL TESTED CONDITIONS. LOCK OPTIONS MAY BE USED ON ANY DOOR CONFIGURATION SUCH THAT MAX. FRAME SIZES SHOWN IN TABLE AT LEFT ARE NOT EXCEEDED.

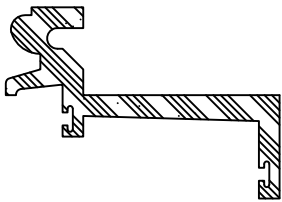
BRICKMOLD OPTIONS



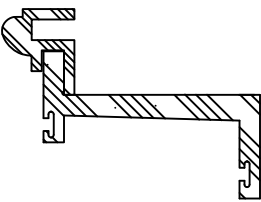
① FLAT MOLDING



② FLUSH MOLDING



③ STANDARD BRICK MOULDING



④ APPLIED BRICK MOULDING

NOTES:

- HEAD SHALL USE PROFILE WITH DRIPEDGE
- LISTED IN NO PARTICLUAR ORDER
- SEALANT BY OTHERS



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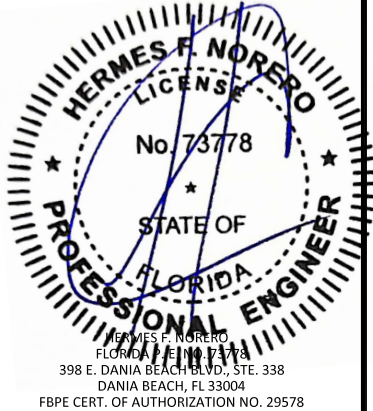
HARDWARE REQUIREMENTS &
BRICKMOULD OPTIONS

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HERMES F. NORERO
FLORIDA ENGINEER
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FBPE CERT. OF AUTHORIZATION NO. 29578

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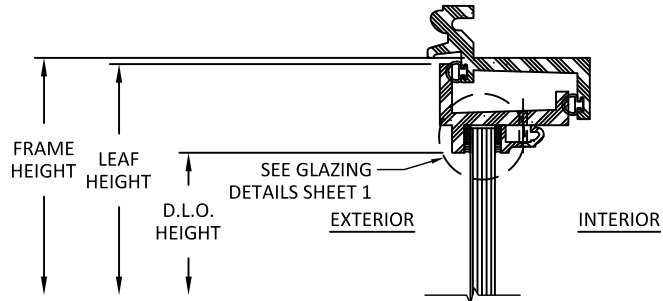
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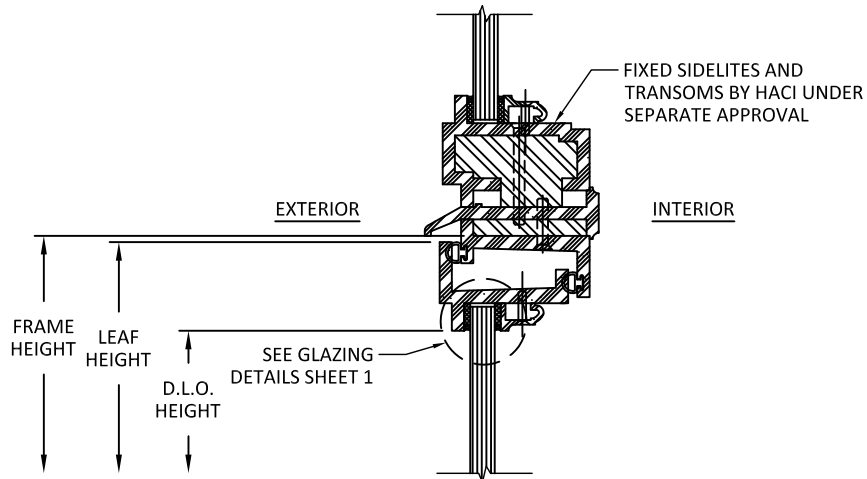
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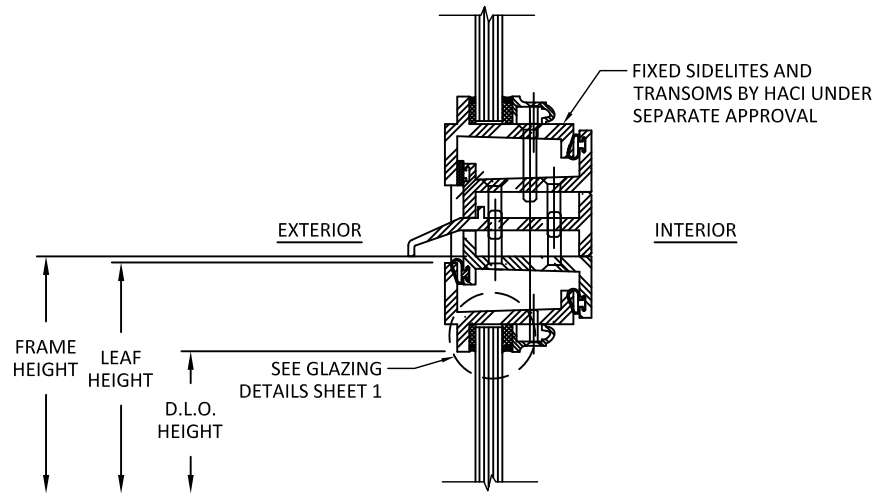
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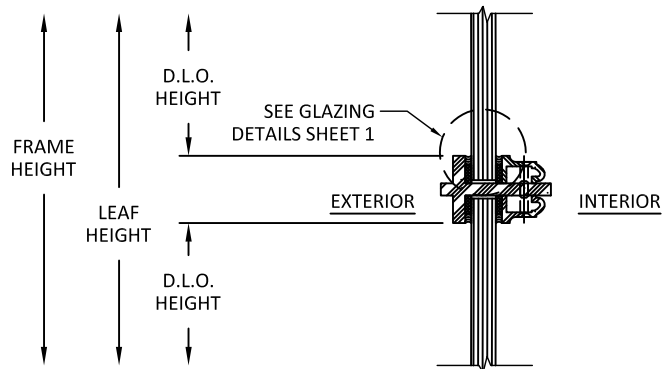
A
5 VERTICAL SECTION
HEAD



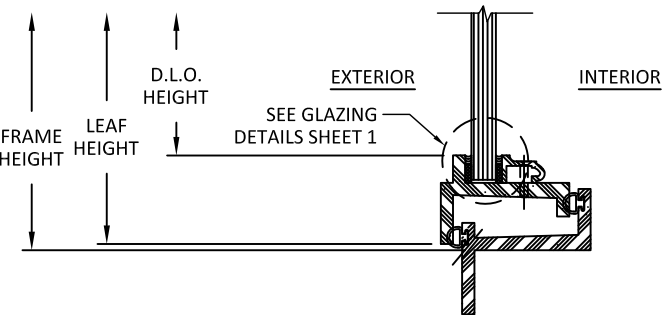
D
5 VERTICAL SECTION
TRANSOM
APPLICABLE TO ELEVATIONS 1 OR 5



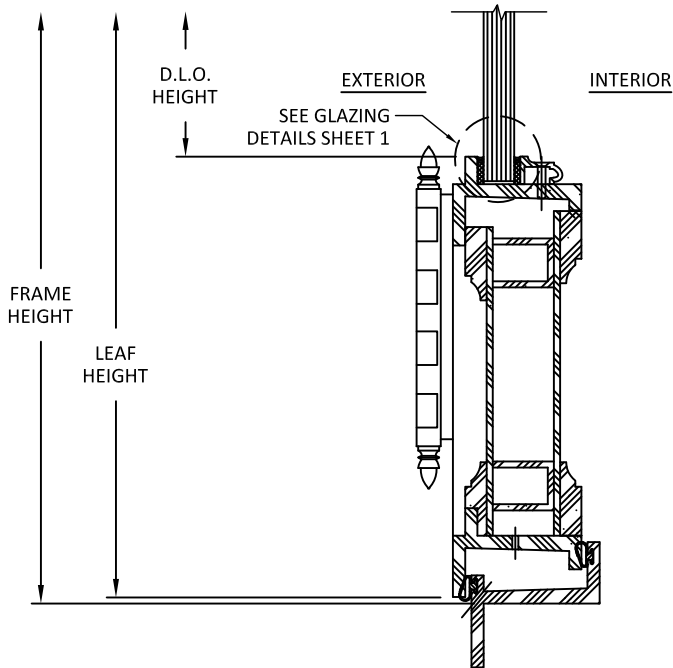
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5 VERTICAL SECTION
TRANSOM
APPLICABLE TO ELEVATION 5



B
5 VERTICAL SECTION
MUNTIN



C
5 VERTICAL SECTION
THRESHOLD



E
5 VERTICAL SECTION
THRESHOLD WITH KICKPANEL



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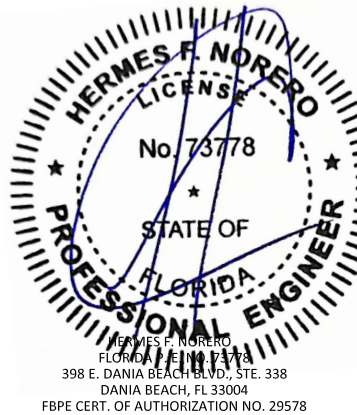
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VERTICAL SECTIONS

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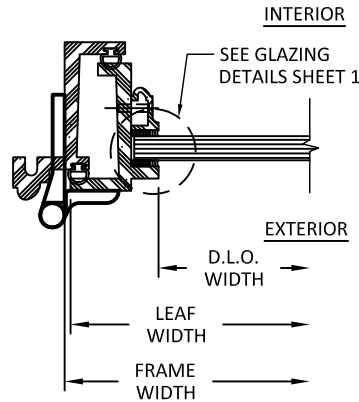
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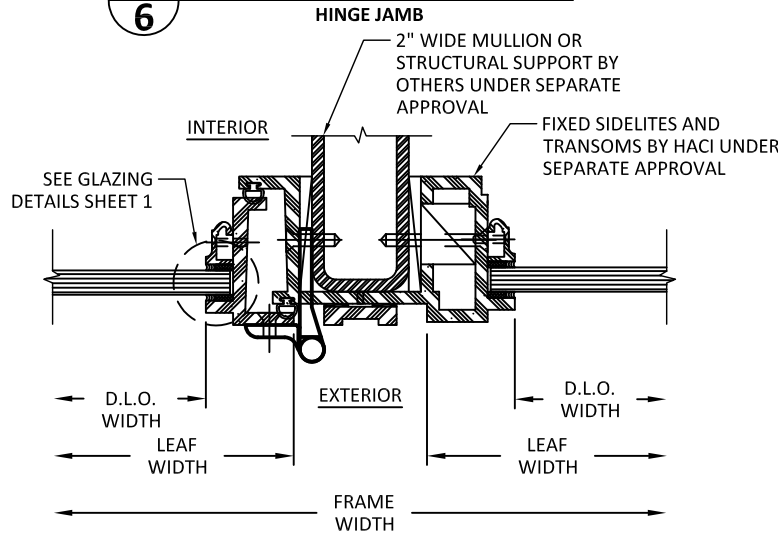
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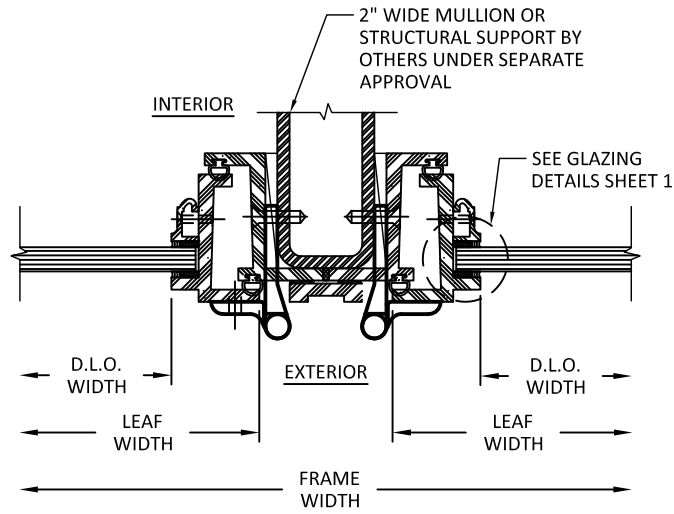
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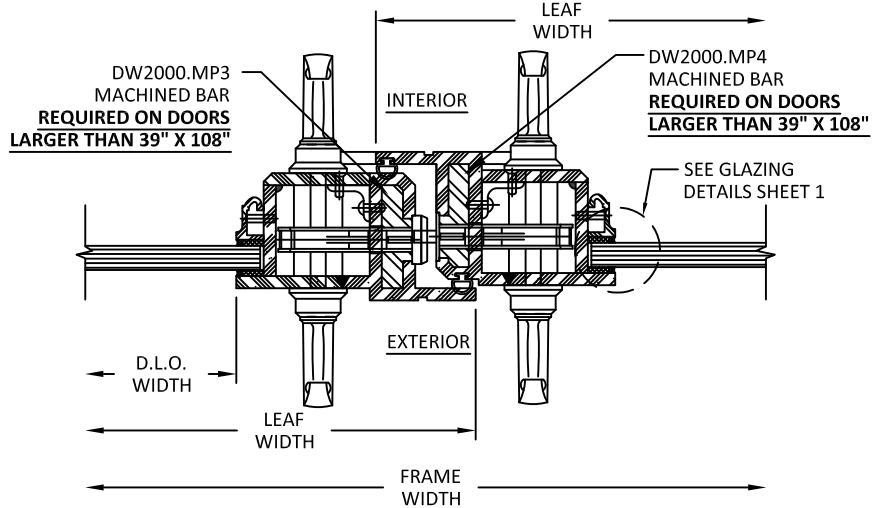
A HORIZONTAL SECTION
6 HINGE JAMB



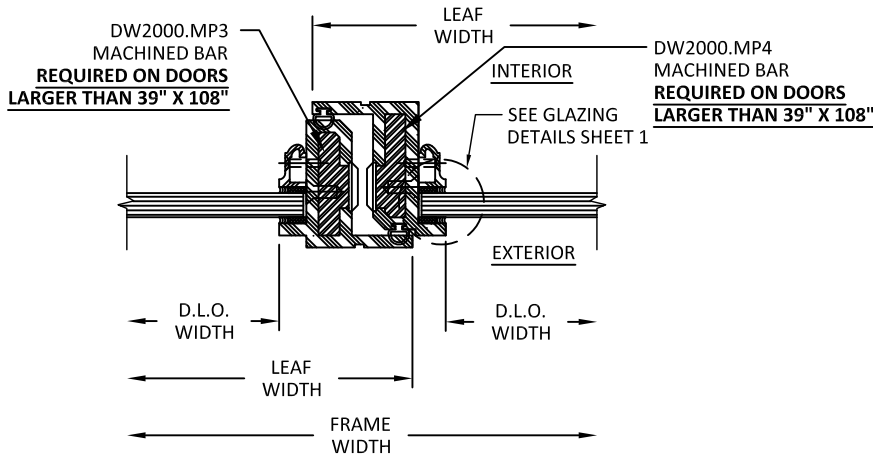
B HORIZONTAL SECTION
6 HINGE JAMB - MULLION - SIDELITE



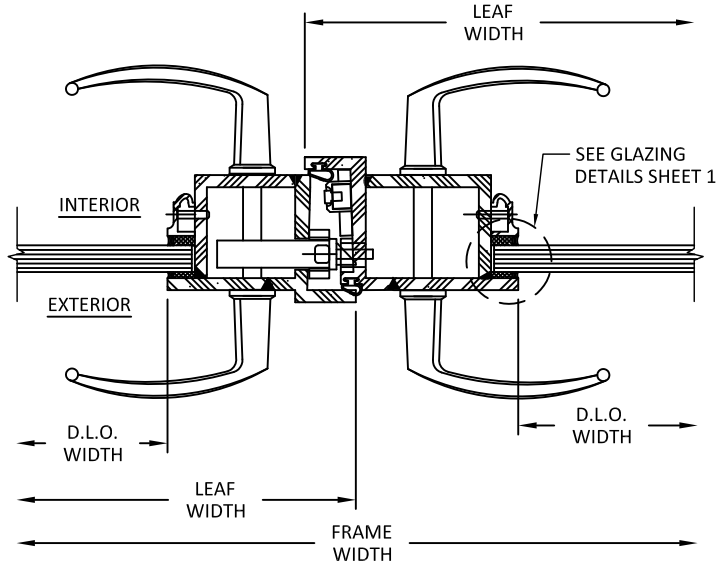
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6 HINGE JAMB - MULLION - HINGE JAMB



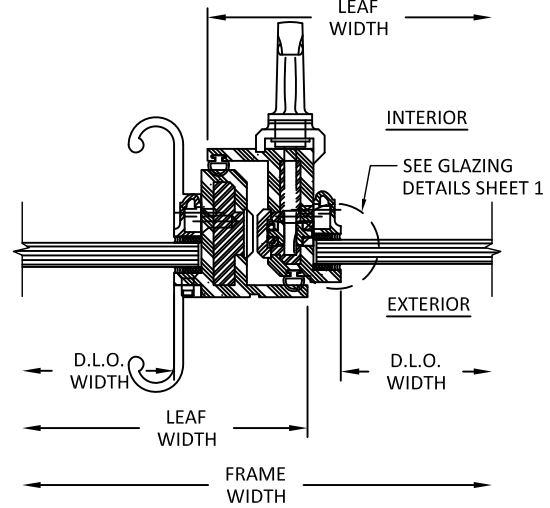
D HORIZONTAL SECTION
6 MEETING STILES



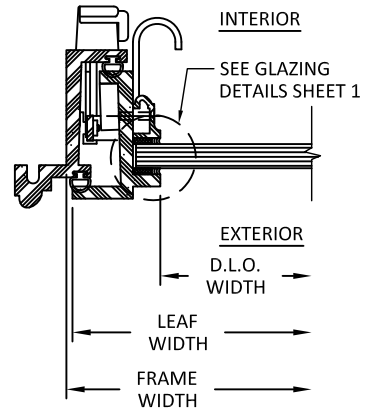
E HORIZONTAL SECTION
6 MEETING STILES



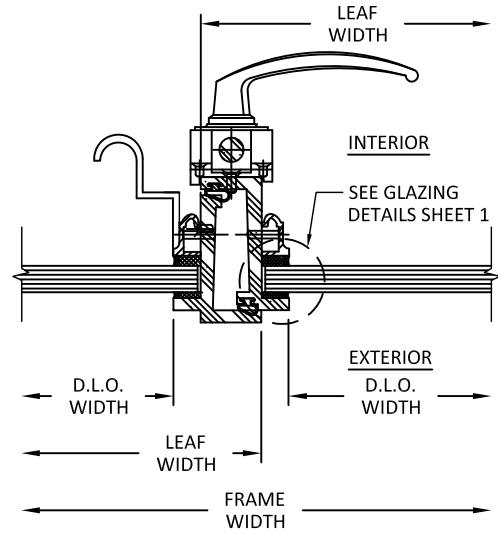
F HORIZONTAL SECTION
6 MEETING STILES - MORTISE LOCK



G HORIZONTAL SECTION
6 MEETING STILES - MULTIPOINT LEVER LOCK



H HORIZONTAL SECTION
6 LOCK JAMB - MULTI-POINT ROLLER CATCH



I HORIZONTAL SECTION
6 MEETING STILES - CREMONE LOCK



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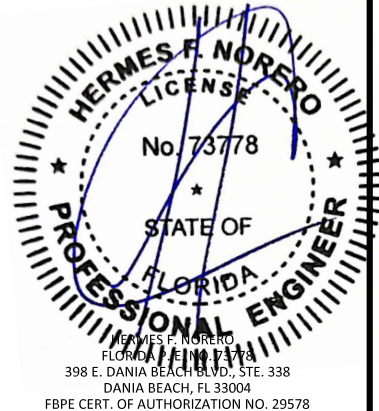
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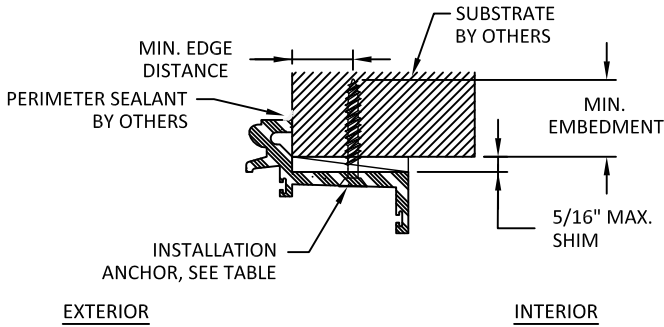
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- NOTES:
- HEAD SHOWN, JAMBS AND SILL SIMILAR
 - ALL INSTALLATION DETAILS ARE APPLICABLE TO ALL BRICKMOLD PROFILE OPTIONS

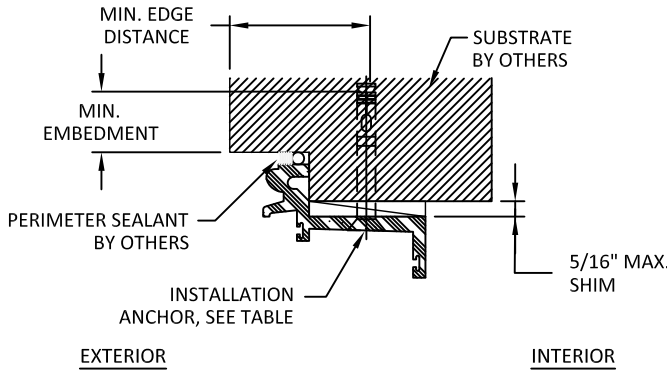


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ANCHOR INSTALLATION

THROUGH FRAME (HEAD)



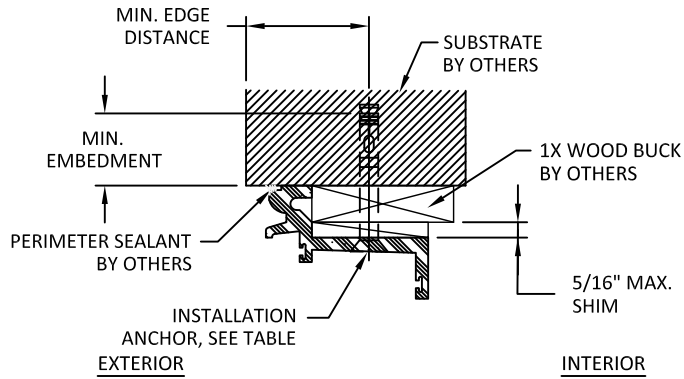
B

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ANCHOR INSTALLATION

THROUGH FRAME (HEAD)

USE DETAIL B/7 WHEN MOUNTING DIRECTLY TO CONCRETE/MASONRY



C

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ANCHOR INSTALLATION

THROUGH FRAME (JAMB)

USE DETAIL C/7 WHEN MOUNTING TO CONCRETE/MASONRY W/ 1X WOOD BUCK BY OTHERS

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE SPECIFIED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- 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.
- 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 5/16 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY, HIGH IMPACT, NON-METALIC, NON COMPRESSIBLE, NATURALLY DURABLE & PRESERVATIVE TREATED MATERIALS.
- 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 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 BRASS WOOD SCREW	1.50"	1"
	STEEL: MIN. 16 GAUGE, MIN. FY = 36 KSI, OR ALUMINUM MIN 1/8", 6063-T5	1/4" FH SS SELF-TAPPING OR SELF DRILLING SCREW	3 THREADS MIN. PENETRATION BEYOND METAL	1"
	CONCRETE (MIN. F'C= 3000 PSI) OR CMU (PER ASTM C90)	1/4" HILTI FH HLC SLEEVE ANCHOR	1.25"	3"



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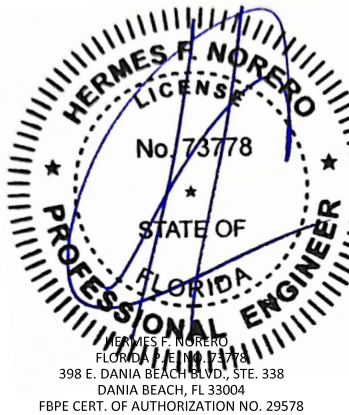
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OUTSWING DOOR
(HVHZ)/(IMPACT)
INSTALLATION NOTES AND
DETAILS

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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



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CHK. BY: HFN

SCALE: NTS

DWG. #: HAC001

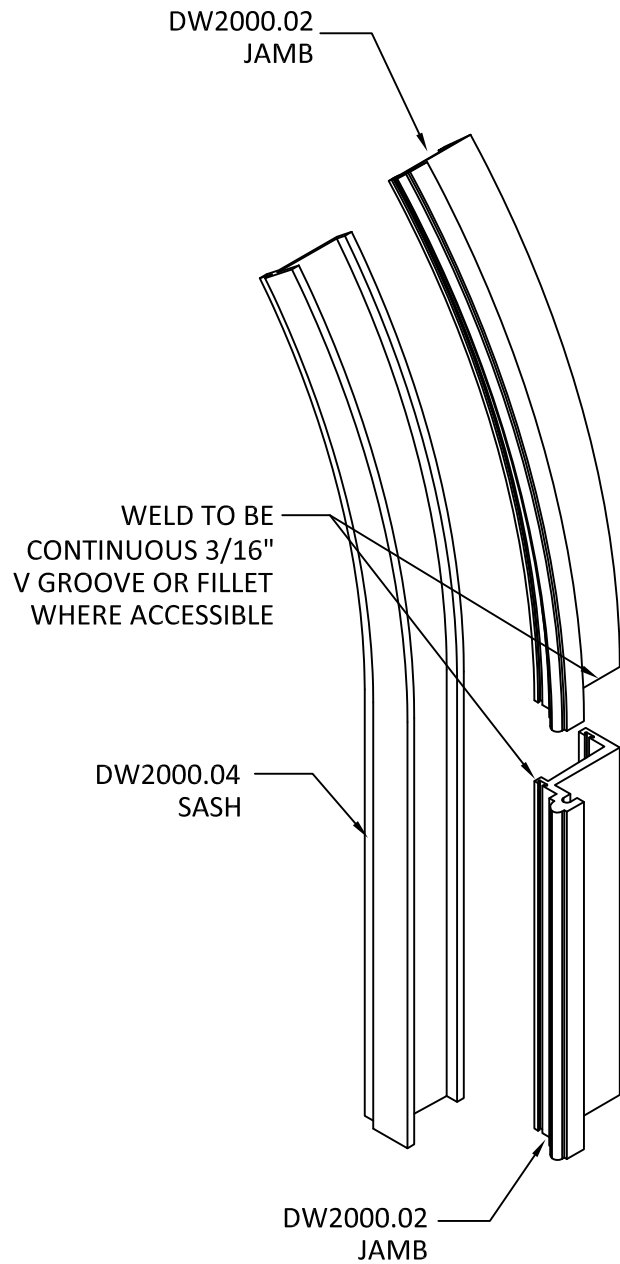
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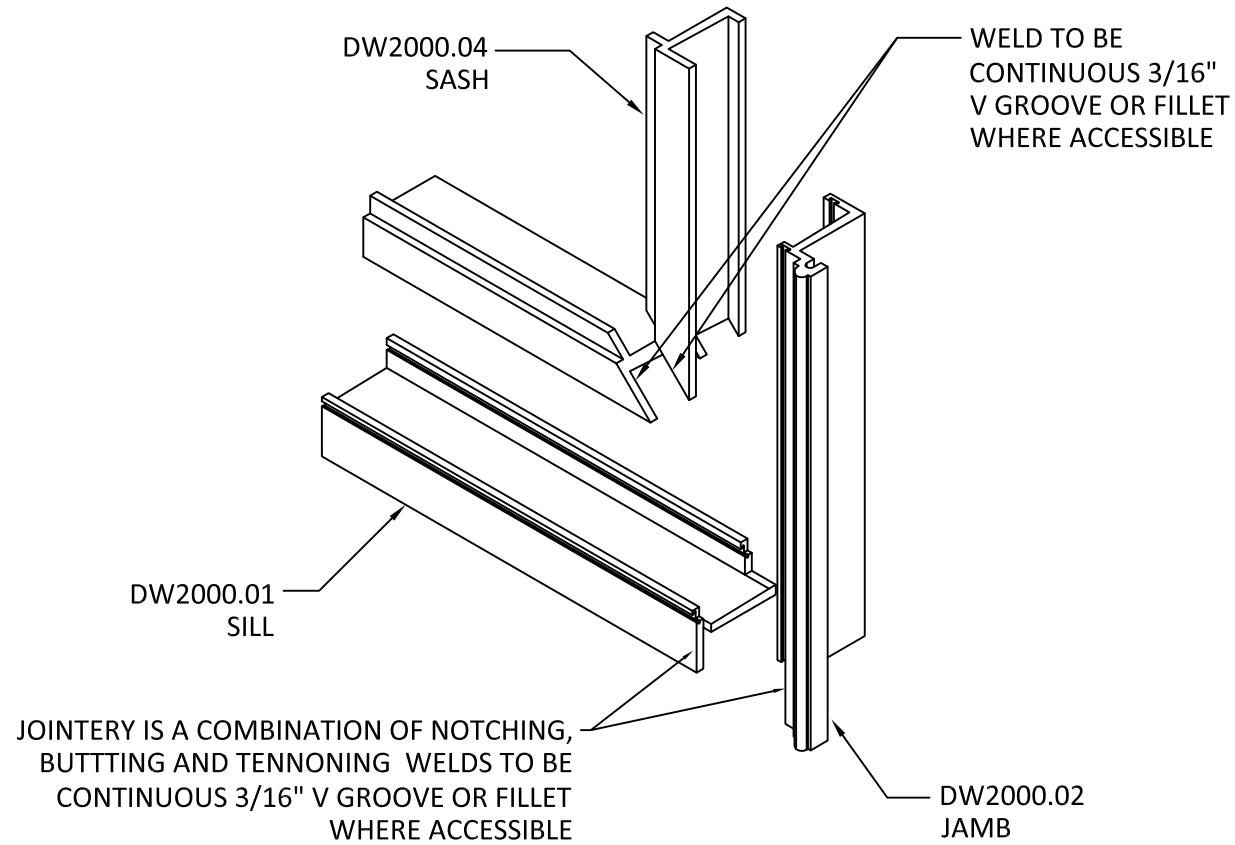
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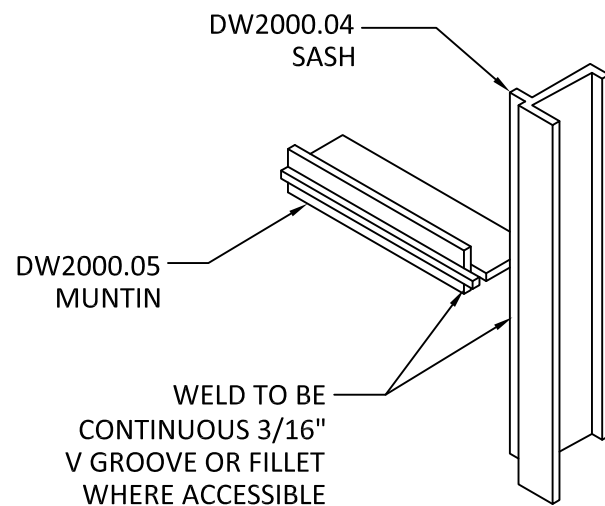
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EXPLODED ISOMETRIC
ROUND TOP DOOR
CORNER DETAIL



EXPLODED ISOMETRIC
LOWER LEAF AND FRAME
CORNER DETAIL



EXPLODED ISOMETRIC
MUNTIN CORNER DETAIL



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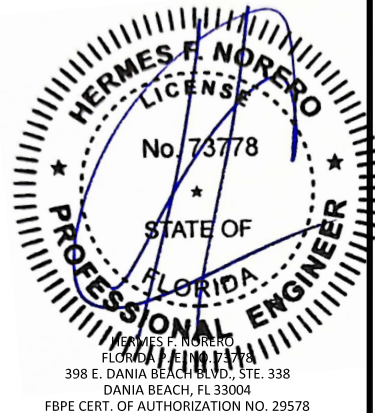
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OUTSWING DOOR
(HVHZ)/(IMPACT)
CORNER CONSTRUCTION DETAILS

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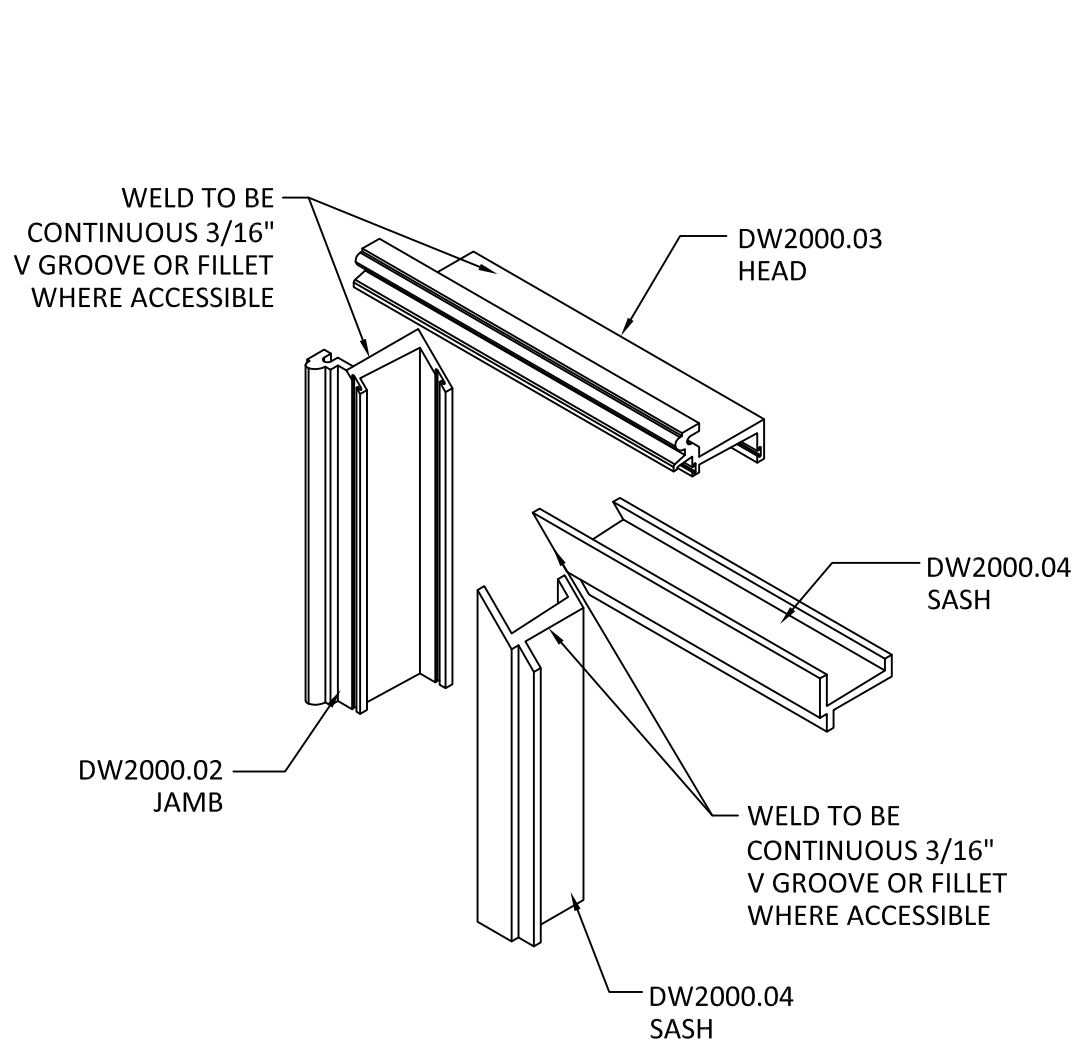
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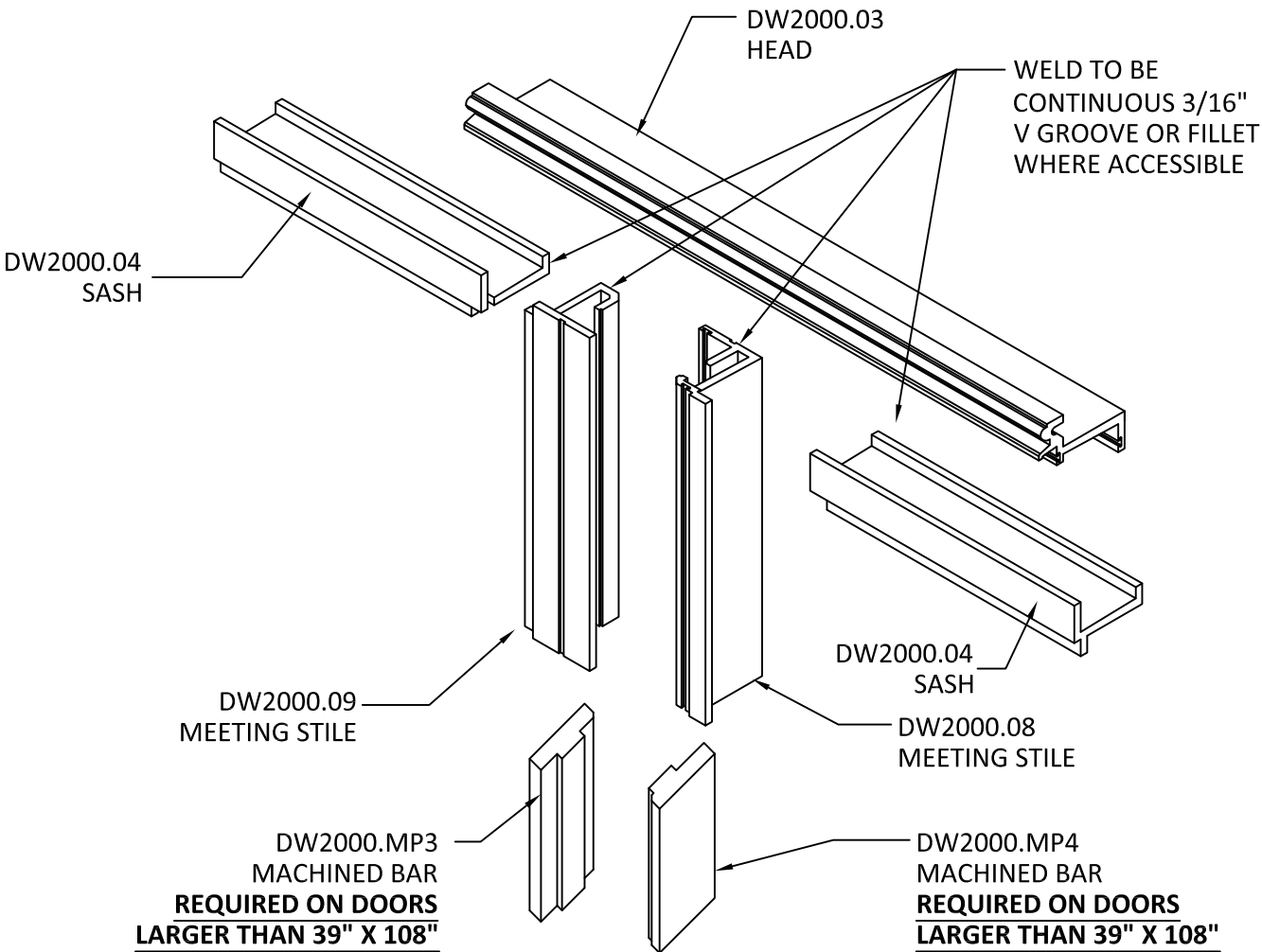
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EXPLODED ISOMETRIC
UPPER LEAF AND FRAME
CORNER DETAIL



EXPLODED ISOMETRIC
UPPER LEAF AND FRAME
CENTER DETAIL



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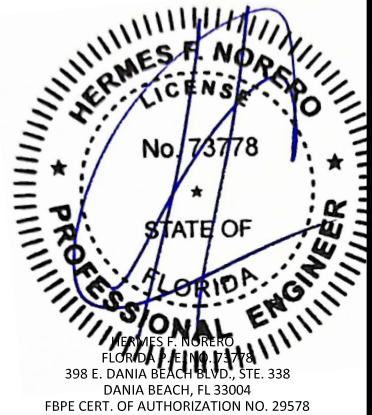
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