

HISTORICAL ARTS & CASTING, INC.

PALMETTO SERIES OUTSWING CASEMENT WINDOWS

(HVHZ)(IMPACT)

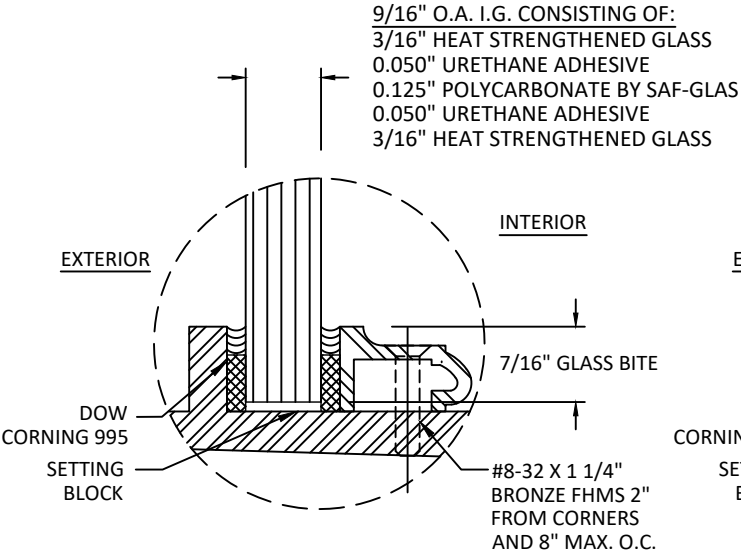
GENERAL NOTES:

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. FRAME 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.

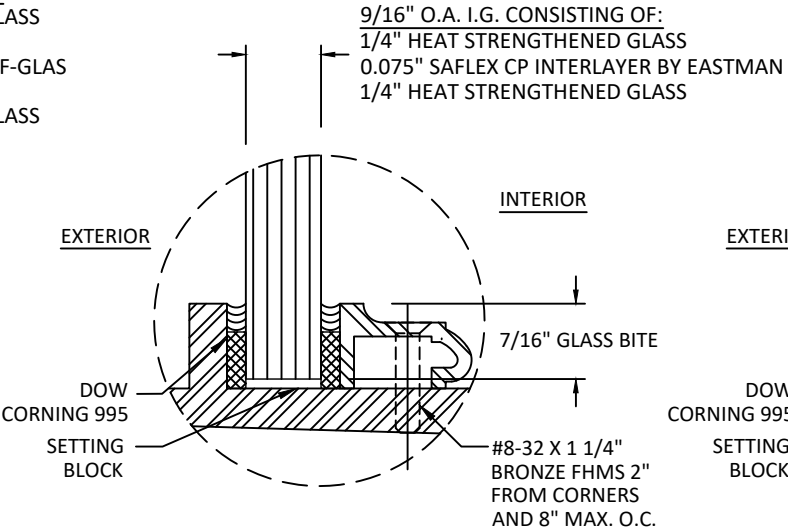
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SHEET	SHEET DESCRIPTION
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6	HORIZONTAL SECTIONS
7	INSTALLATION DETAILS AND NOTES

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

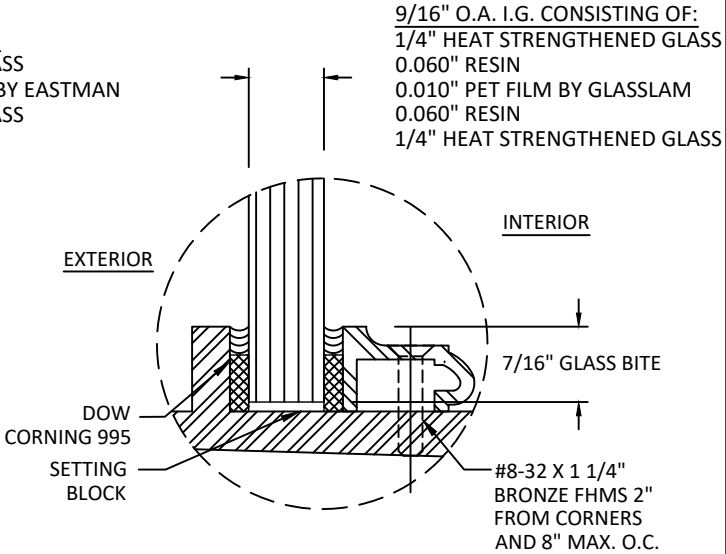
- GLAZING NOTES:
1. GLASS TYPE AND THICKNESS COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, TEMPER, AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED 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.



GLAZING DETAIL 1



GLAZING DETAIL 2



GLAZING DETAIL 3



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TITLE: PALMETTO SERIES
OUTSWING CASEMENT WINDOW
(HVHZ)(IMPACT)
GENERAL NOTES & GLAZING DETAIL

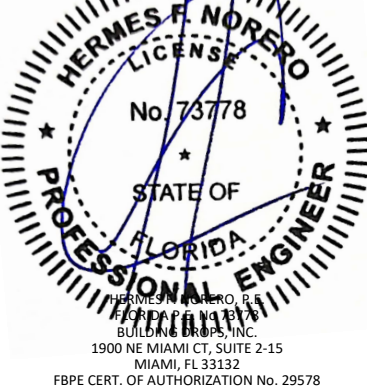
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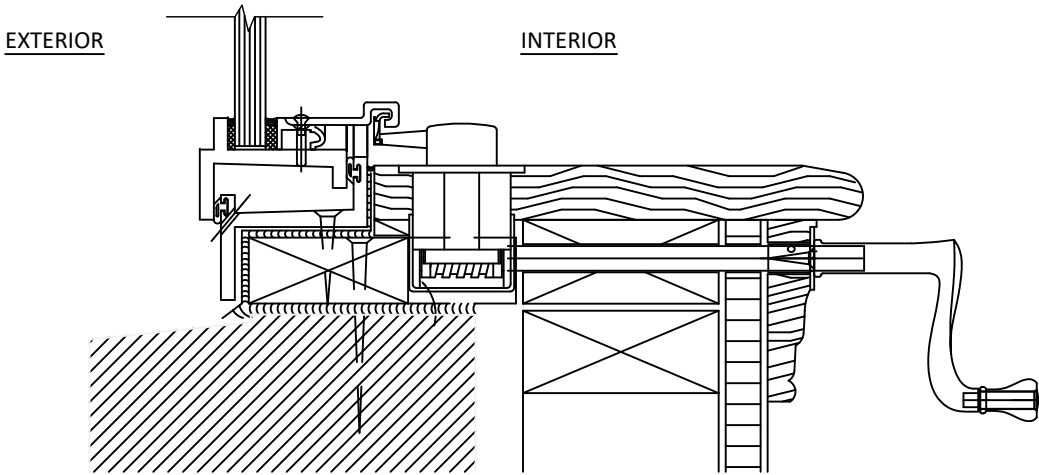
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LOCK OPTIONS			
OPTION #	MAX FRAME SIZE	ACTIVE SASH HDWR	INACTIVE SASH HDWR
1	3'-6" x 5'-2 1/2" (SINGLE ONLY)	MULTI-POINT ROLLER LATCH	N/A
2	3'-6" x 6'-7 1/4" (FRENCH) 4'-6" x 5'-8" (XOX)	CREMONE BOLT ASSEMBLY	CREMONE BOLT ASSEMBLY

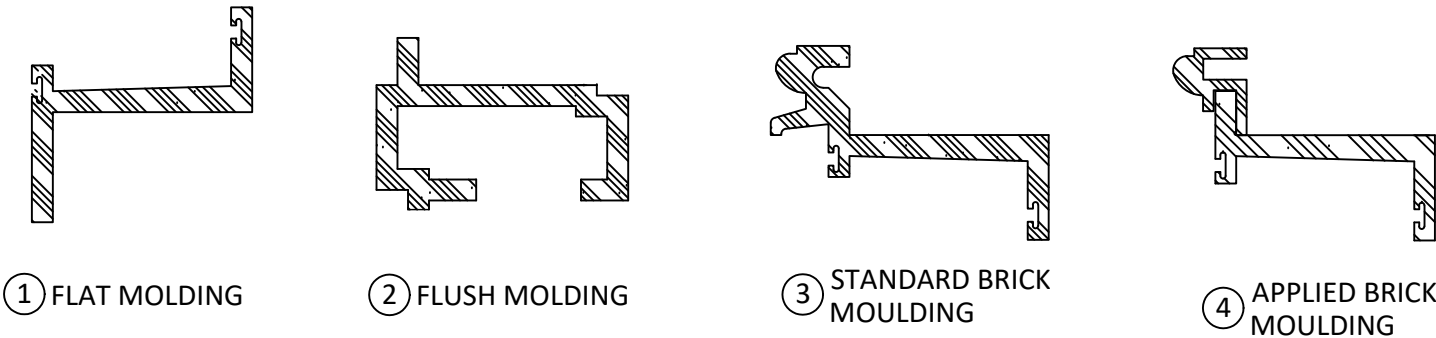
NOTES:

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

TYPICAL CRANK
ASSEMBLY DETAIL



BRICKMOLD OPTIONS



NOTES:

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



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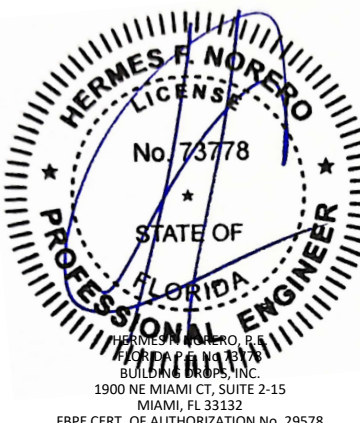
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HARDWARE REQUIREMENTS &
BRICKMOLD OPTIONS

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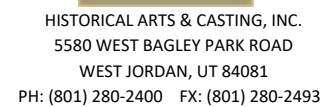
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OF 7



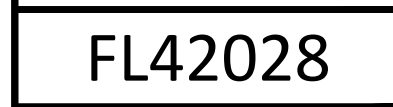
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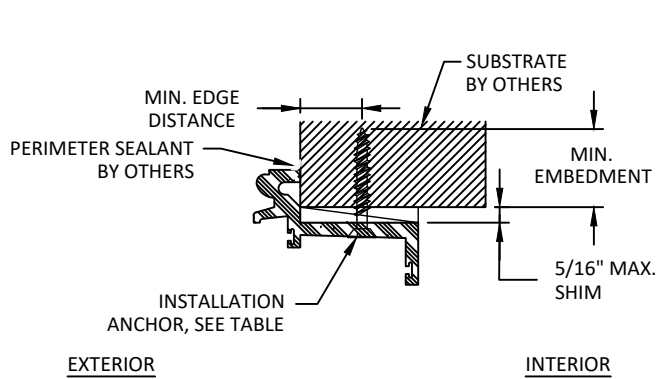
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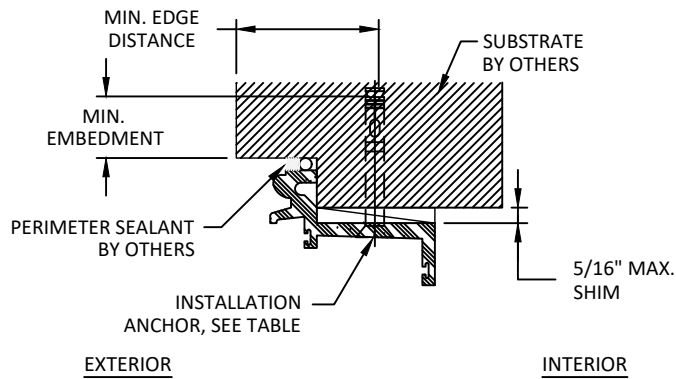
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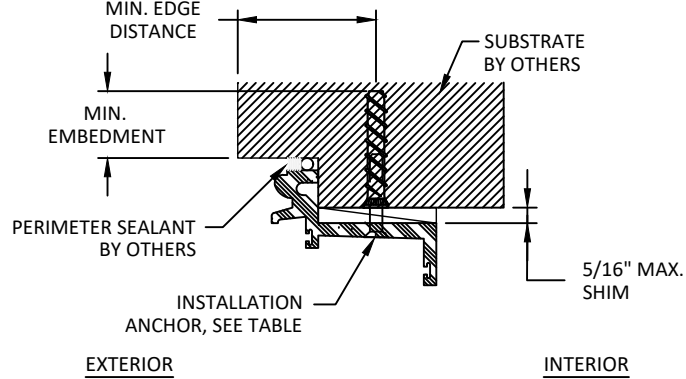
- NOTES:
- HEAD SHOWN, JAMBS AND SILL SIMILAR
 - ALL INSTALLATION DETAILS ARE APPLICABLE TO ALL BRICKMOLD PROFILE OPTIONS



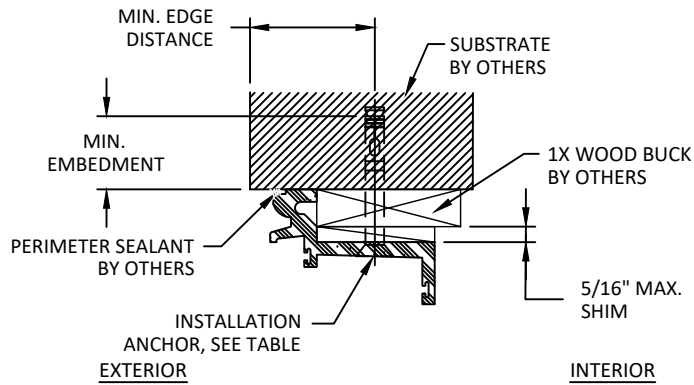
A
7 **ANCHOR INSTALLATION**
THROUGH FRAME (HEAD)



B
7 **ANCHOR INSTALLATION**
THROUGH FRAME (HEAD)
USE DETAIL B/7 WHEN MOUNTING
DIRECTLY TO CONCRETE/MASONRY



C
7 **ANCHOR INSTALLATION**
THROUGH FRAME (HEAD)
USE DETAIL C/7 WHEN MOUNTING
DIRECTLY TO CONCRETE/MASONRY



D
7 **ANCHOR INSTALLATION**
THROUGH FRAME (JAMB)
USE DETAIL D/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:
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
- 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.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR TYPE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. SG = 0.55	#14 BRONZE 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"
		1/4"-20 BRONZE WITH 3/4" THREAD ENGAGEMENT INTO ELCO PANELMATE L INSERT	2.125"	3"



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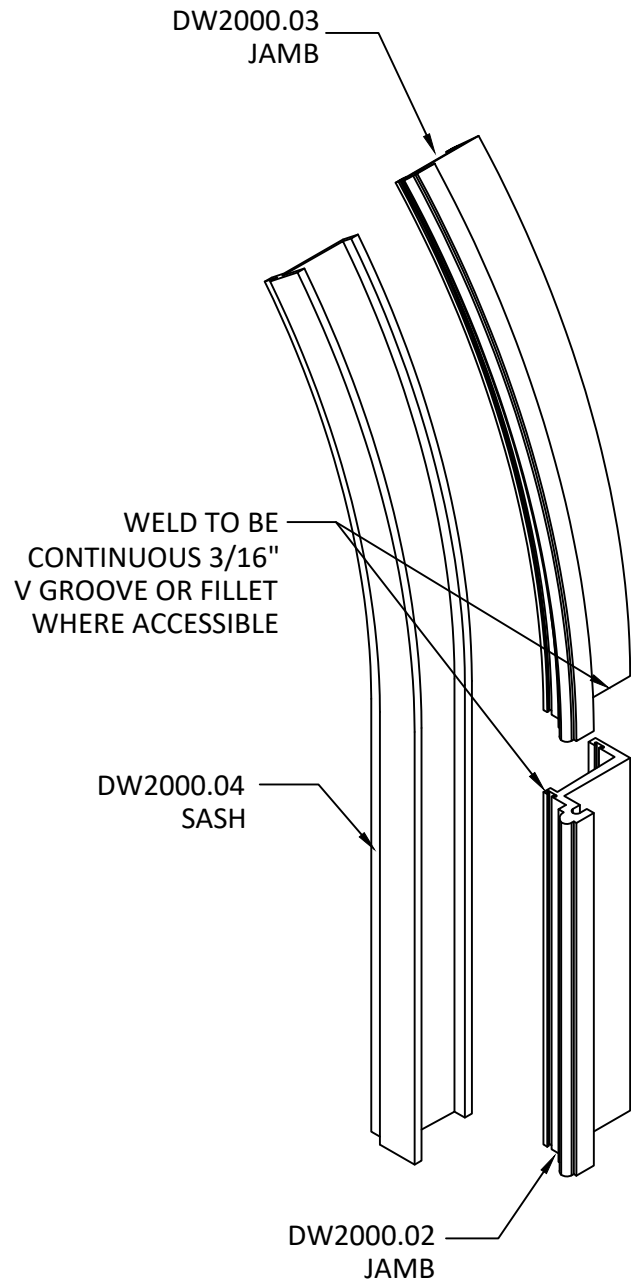
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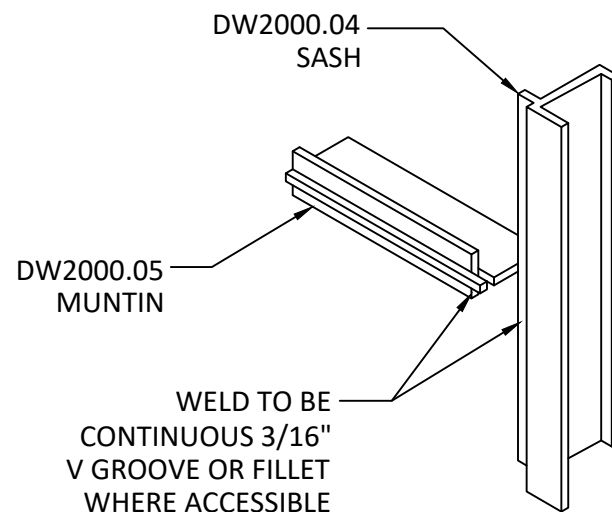
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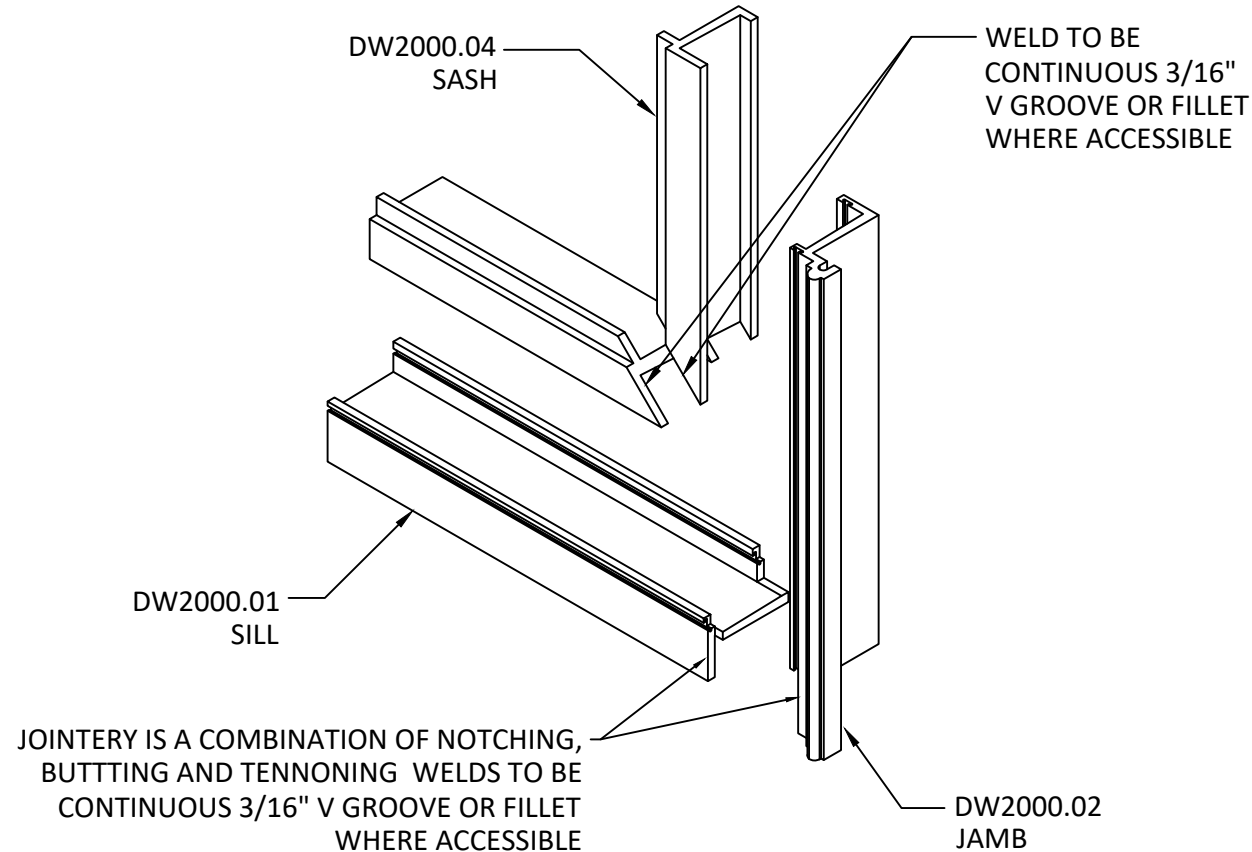
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EXPLODED ISOMETRIC
ROUND TOP DOOR
CORNER DETAIL



EXPLODED ISOMETRIC
MUNTIN CORNER DETAIL



EXPLODED ISOMETRIC
LOWER SASH AND FRAME
CORNER DETAIL



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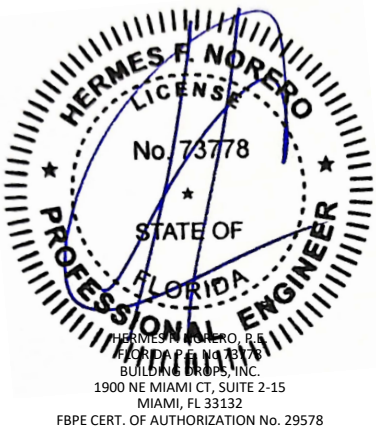
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CORNER CONSTRUCTION DETAILS

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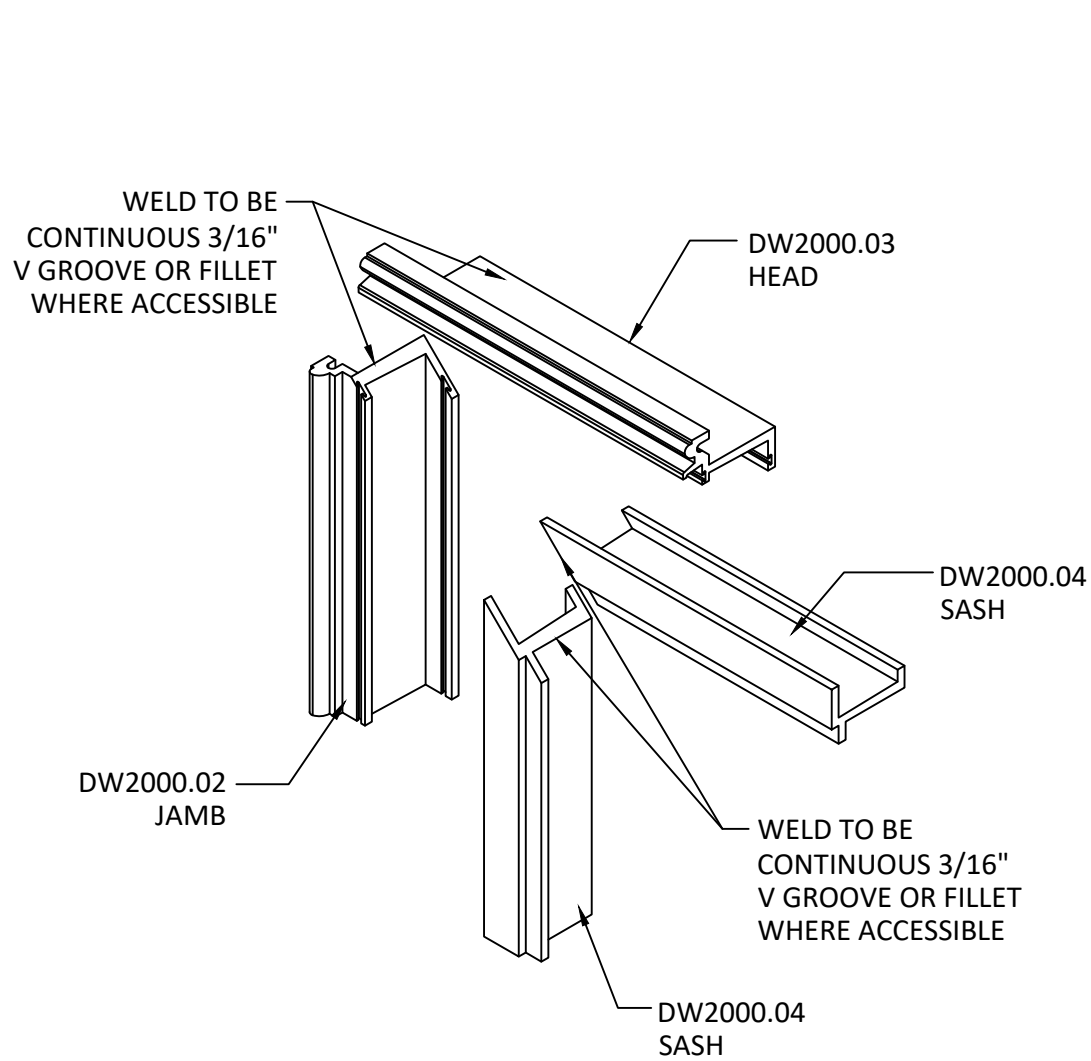
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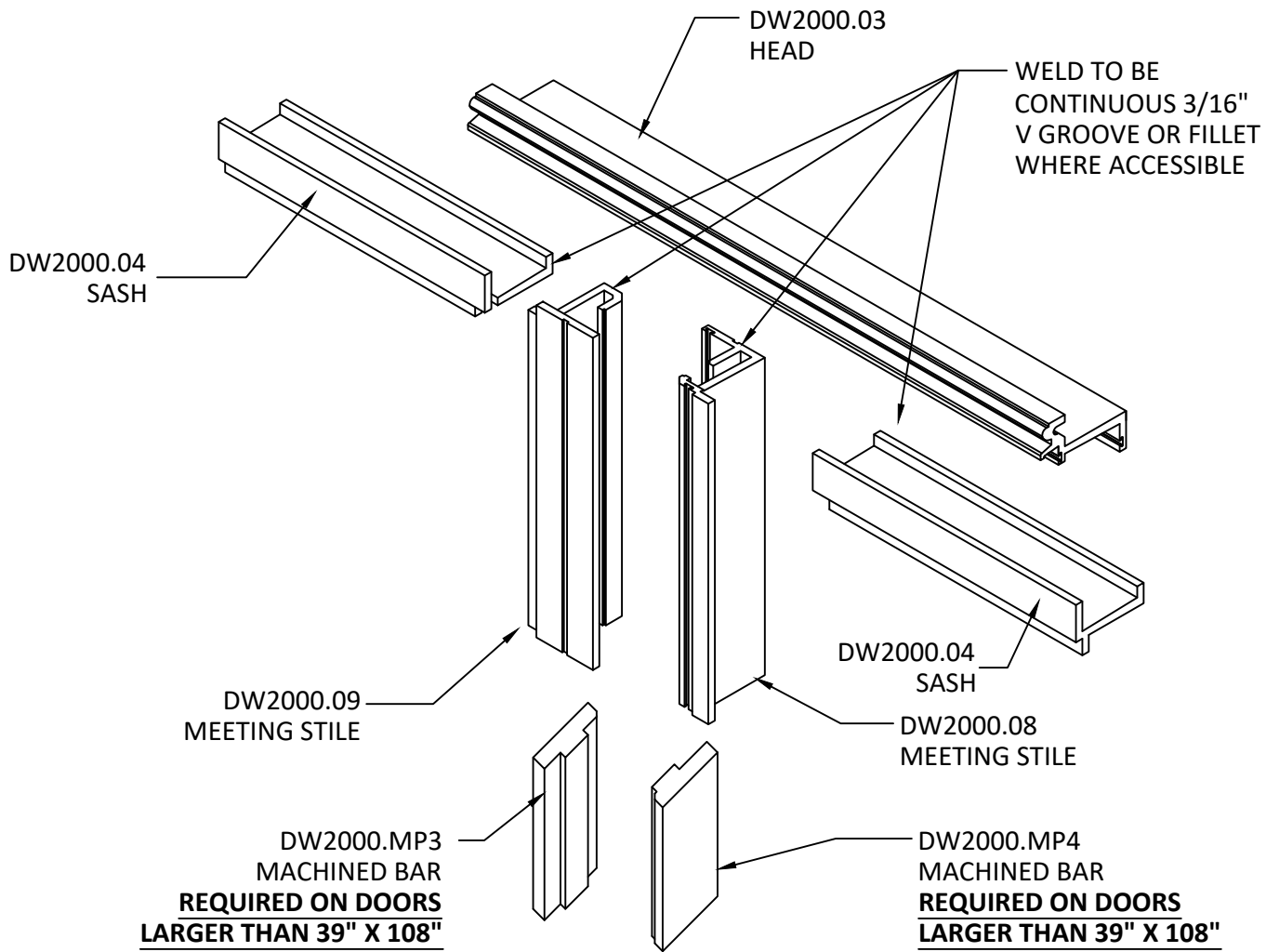
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EXPLODED ISOMETRIC
UPPER SASH AND FRAME
CORNER DETAIL



EXPLODED ISOMETRIC
UPPER SASH AND FRAME
CENTER DETAIL



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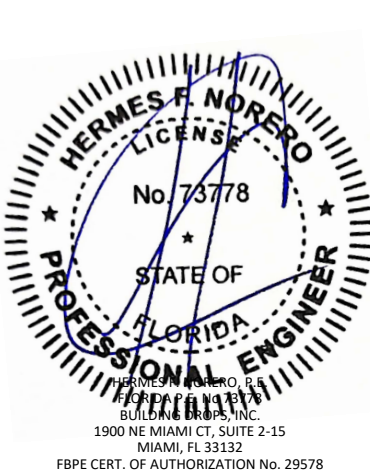
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