

CAOBA DOORS

MAHOGANY OUTSWING DOUBLE CASEMENT WINDOWS (HVHZ) (IMPACT)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 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.
- 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.
- FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
- 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.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90. 2000 PSI MIN. COMPRESSIVE STRENGTH.
 - GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT 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 AND 2X 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.
- WINDOW FRAME MATERIAL: MAHOGANY
- THE MINIMUM SPECIFIC GRAVITY OF TRUE MAHOGANY SHALL BE G=0.45 OR THE SPECIFIC GRAVITY OF ANY NATURALLY DURABLE WOOD G>0.45 AND WITH THE MINIMUM GRADE 2 AS DEFINED BY THE THE CURRENT FLORIDA BUILDING CODE.
- ALL WOOD PRODUCTS SHALL NOT BE IN DIRECT CONTACT WITH THE SUBSTRATES, I.E. CONCRETE, MASONRY, REINFORCED CMU, ETC., USING "WOLMAN EHT" WATER REPELLANT PRESERVATIVE AS MANUFACTURED BY ZINSSER CO. INC OR EQUIVALENT COMPLYING WITH THE CURRENT FLORIDA BUILDING CODE.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 10 FOR GLAZING DETAILS.

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DESIGN PRESSURE RATING	
DESIGN PRESSURE - ALL SIZES	MISSILE IMPACT RATING
+70/-70 PSF	SMALL AND LARGE MISSILE IMPACT RATED



4918 CEDAR AVENUE
PHILADELPHIA, PA 19143

PH: (215) 525-5048 FX: (215) 747-8908

TITLE:
MAHOGANY OUTSWING DOUBLE
CASEMENT WINDOWS

INSTALLATION & GENERAL NOTES

PREPARED BY:

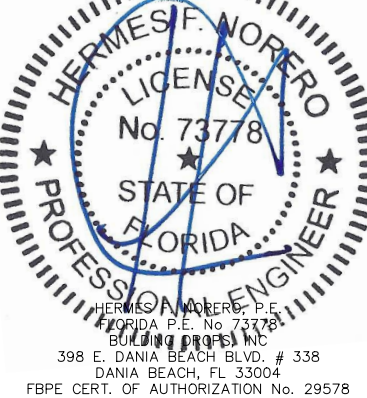
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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REMARKS	BY	DATE

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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.12.21 11:52:29 -05'00'



FL #:

FL14297

DATE: 11.05.20

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RV

CHK. BY:
HFN

SCALE: NTS

DWG. #: CAB026

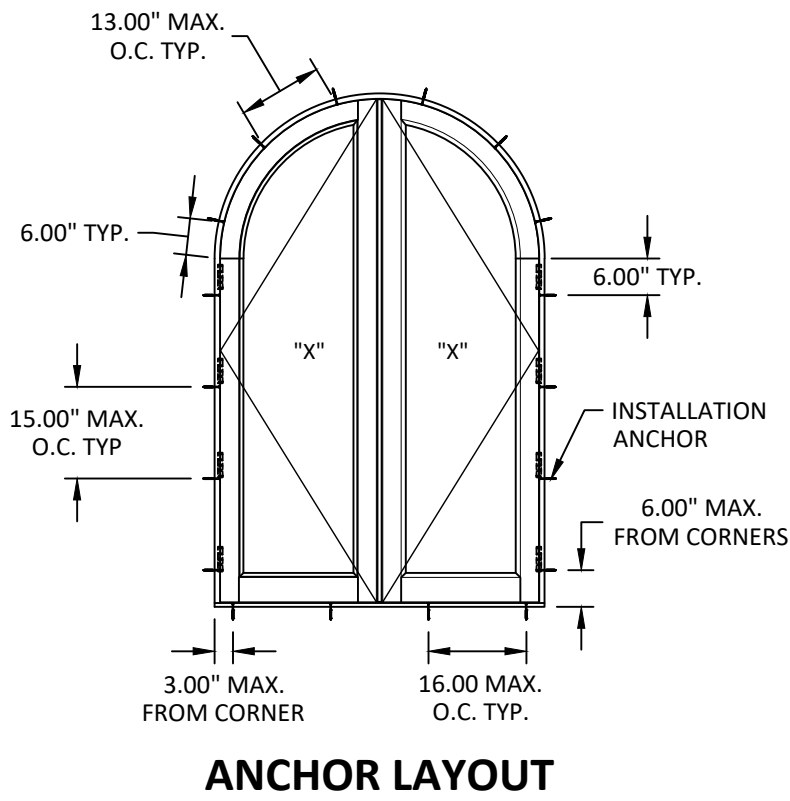
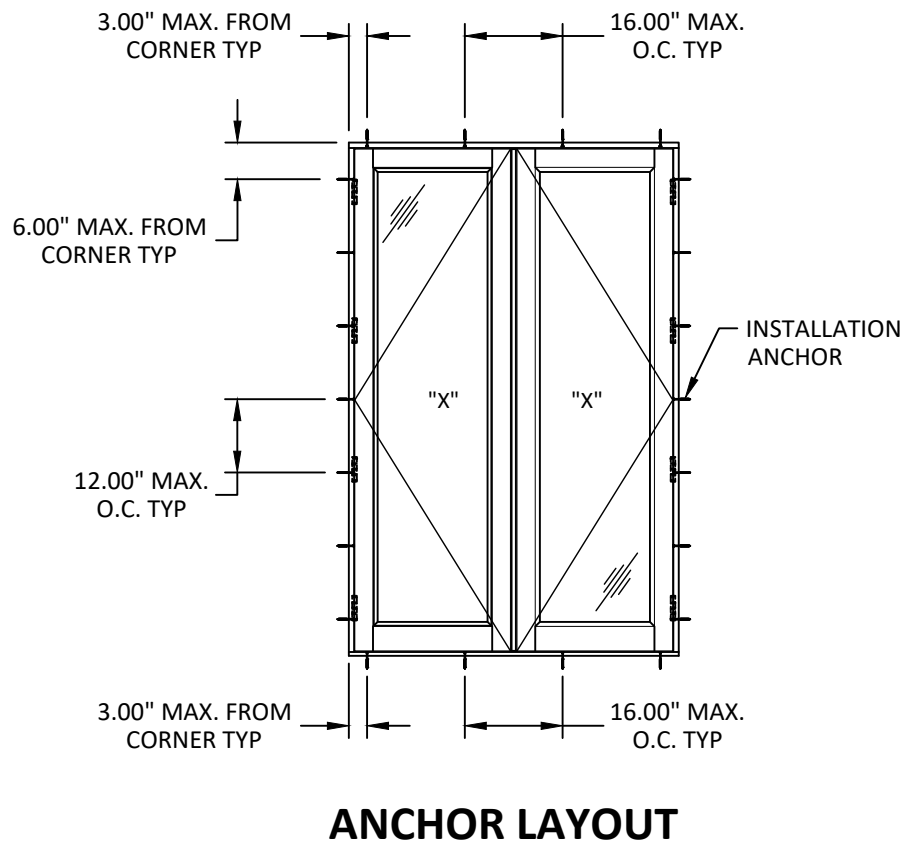
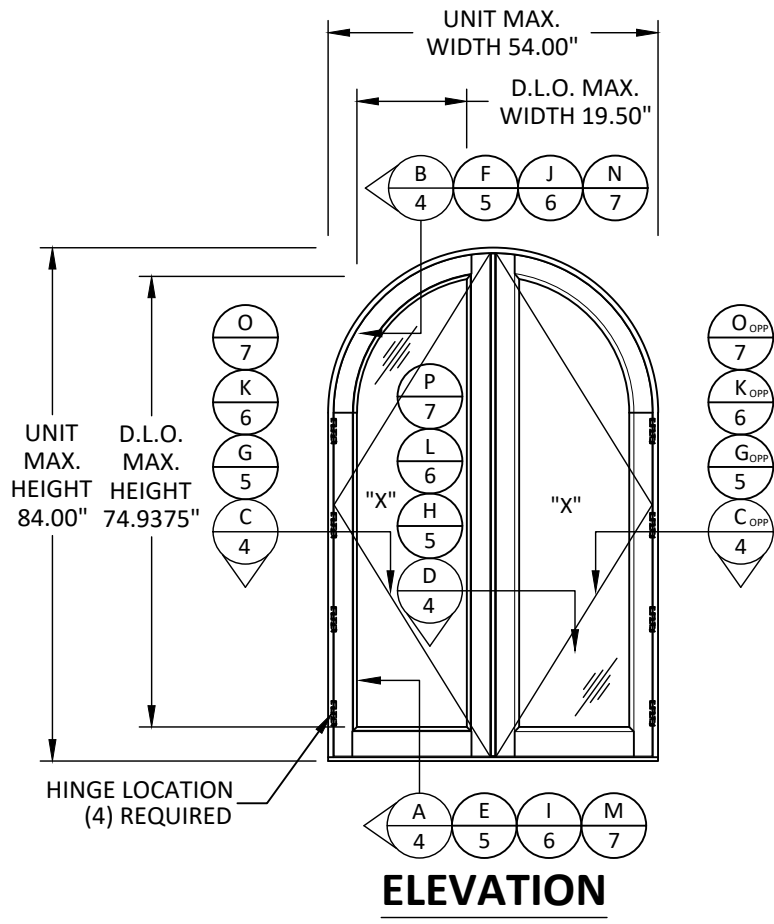
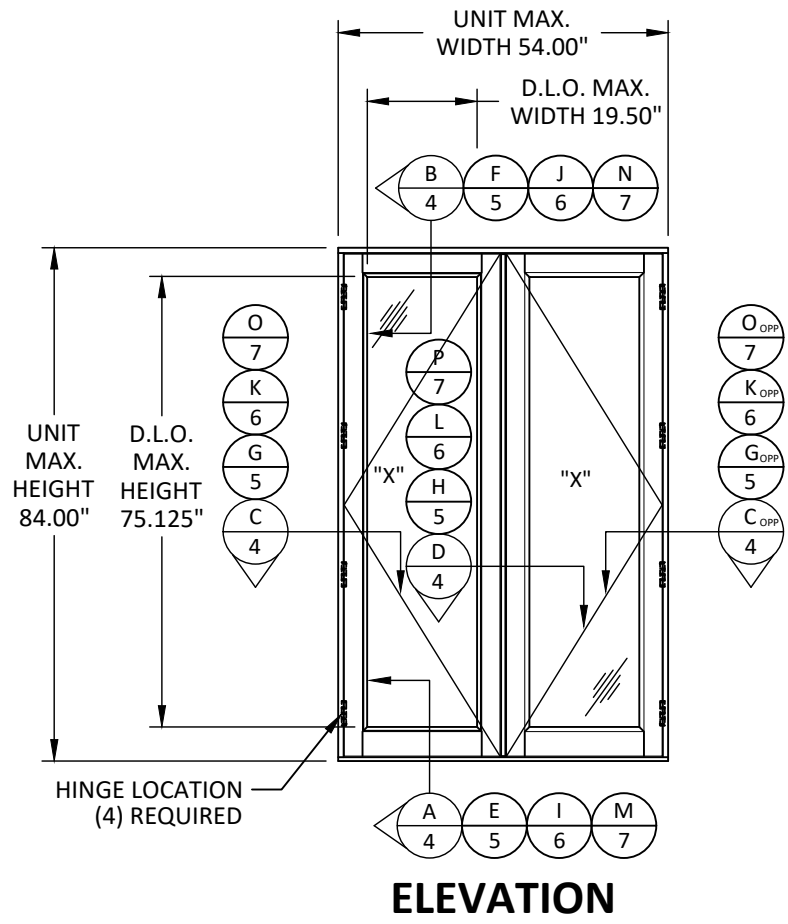
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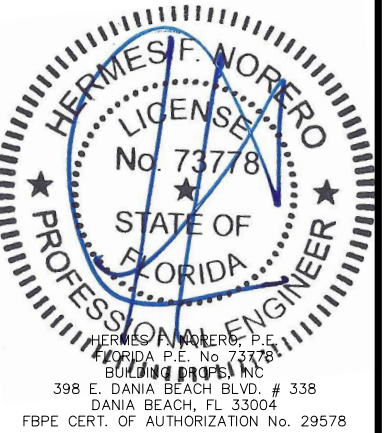
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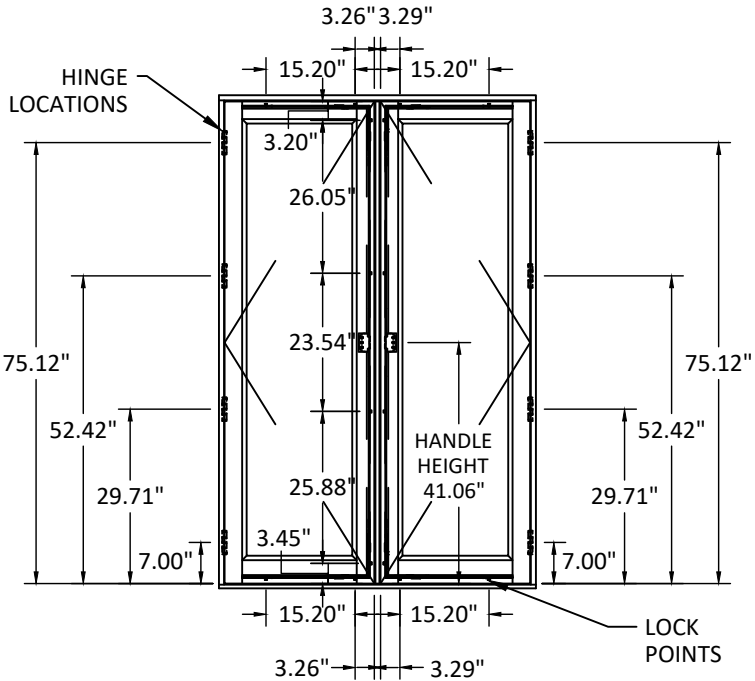
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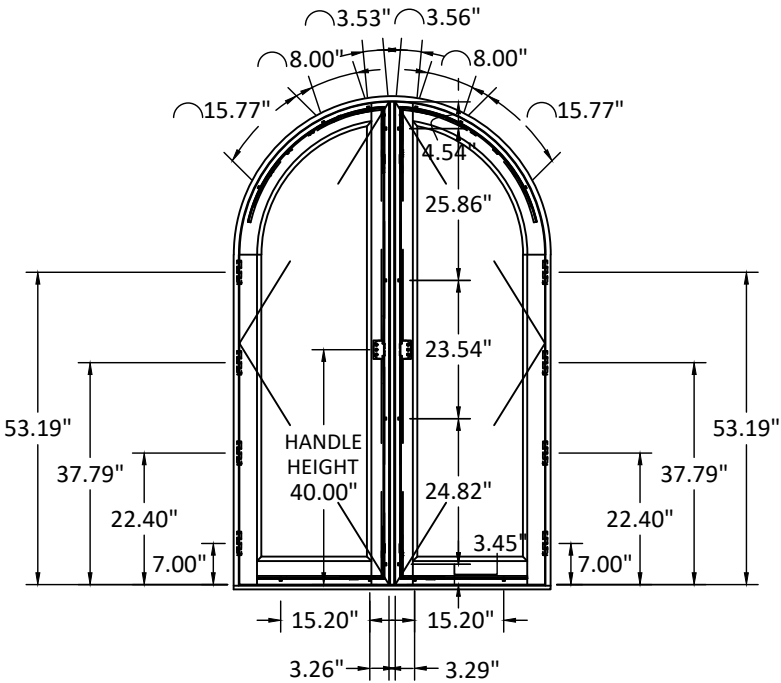


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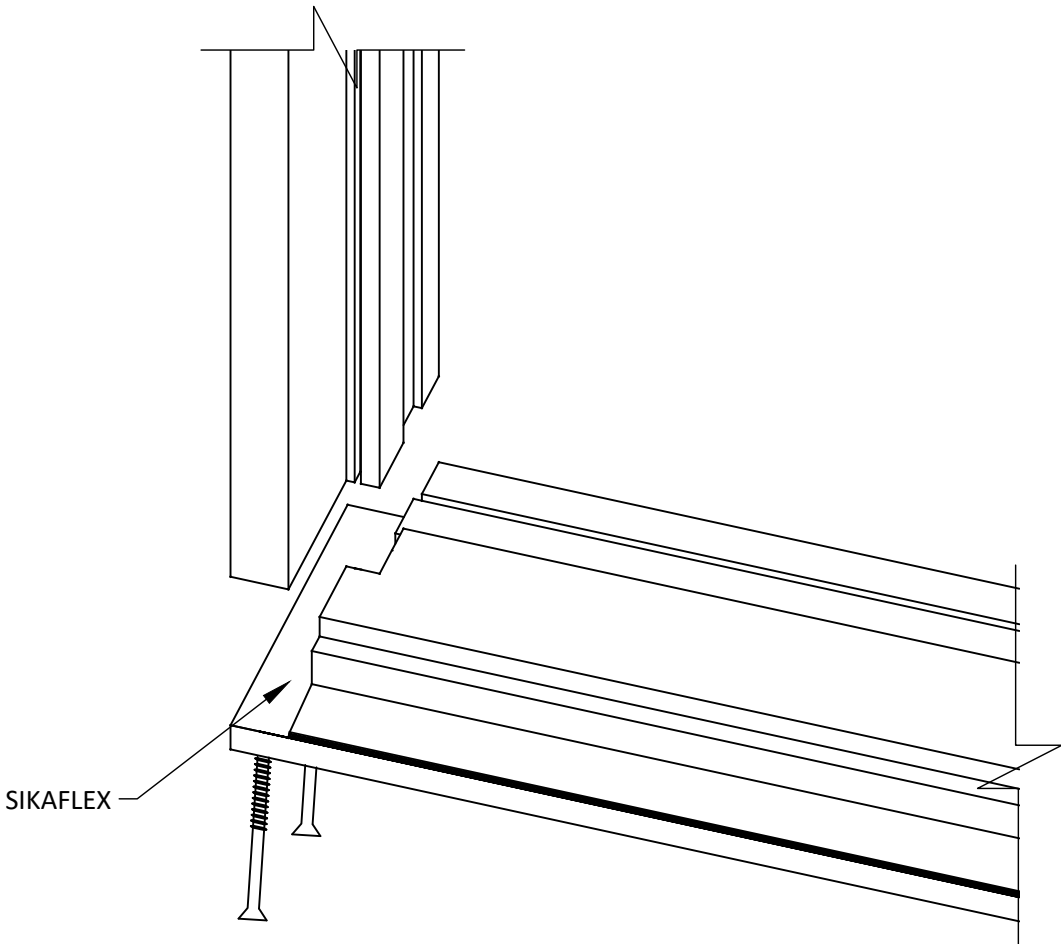
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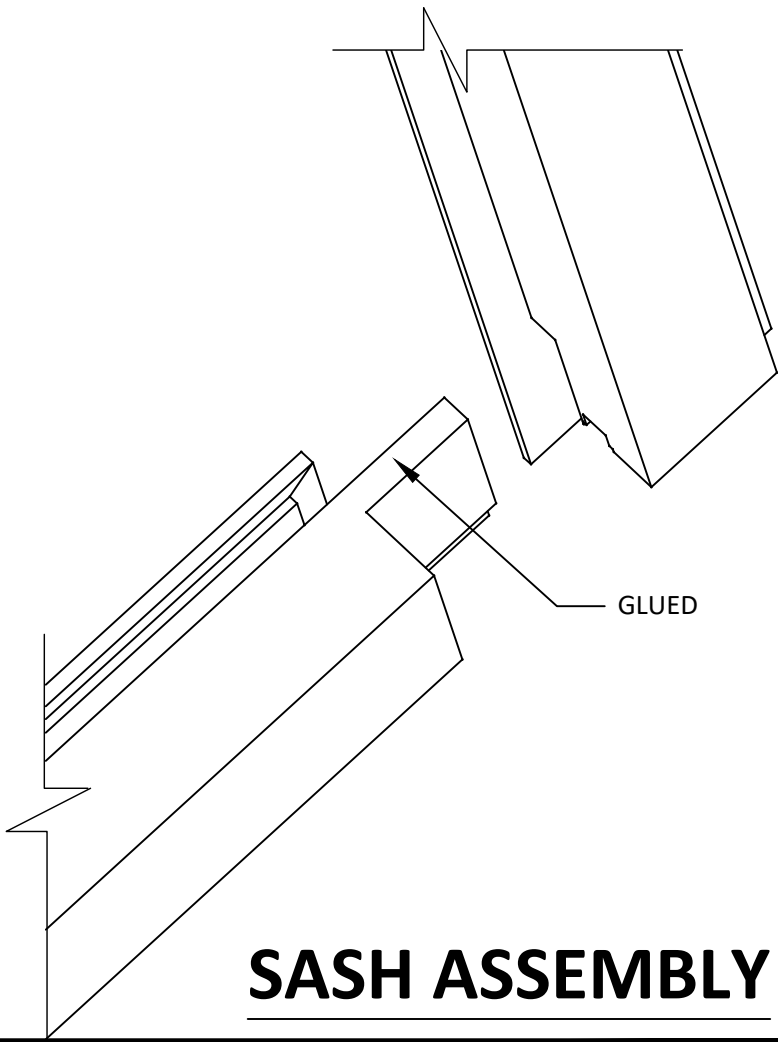
HINGE & LOCK POINT
LAYOUT



HINGE & LOCK POINT
LAYOUT



JAMB ASSEMBLY



SASH ASSEMBLY



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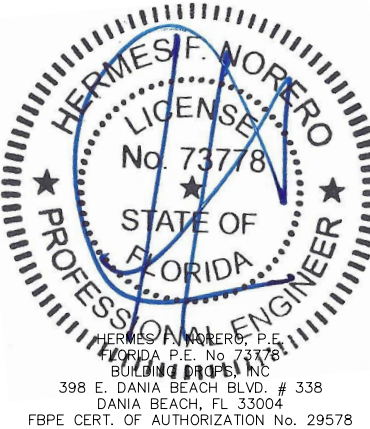
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HARDWARE LOCATIONS AND
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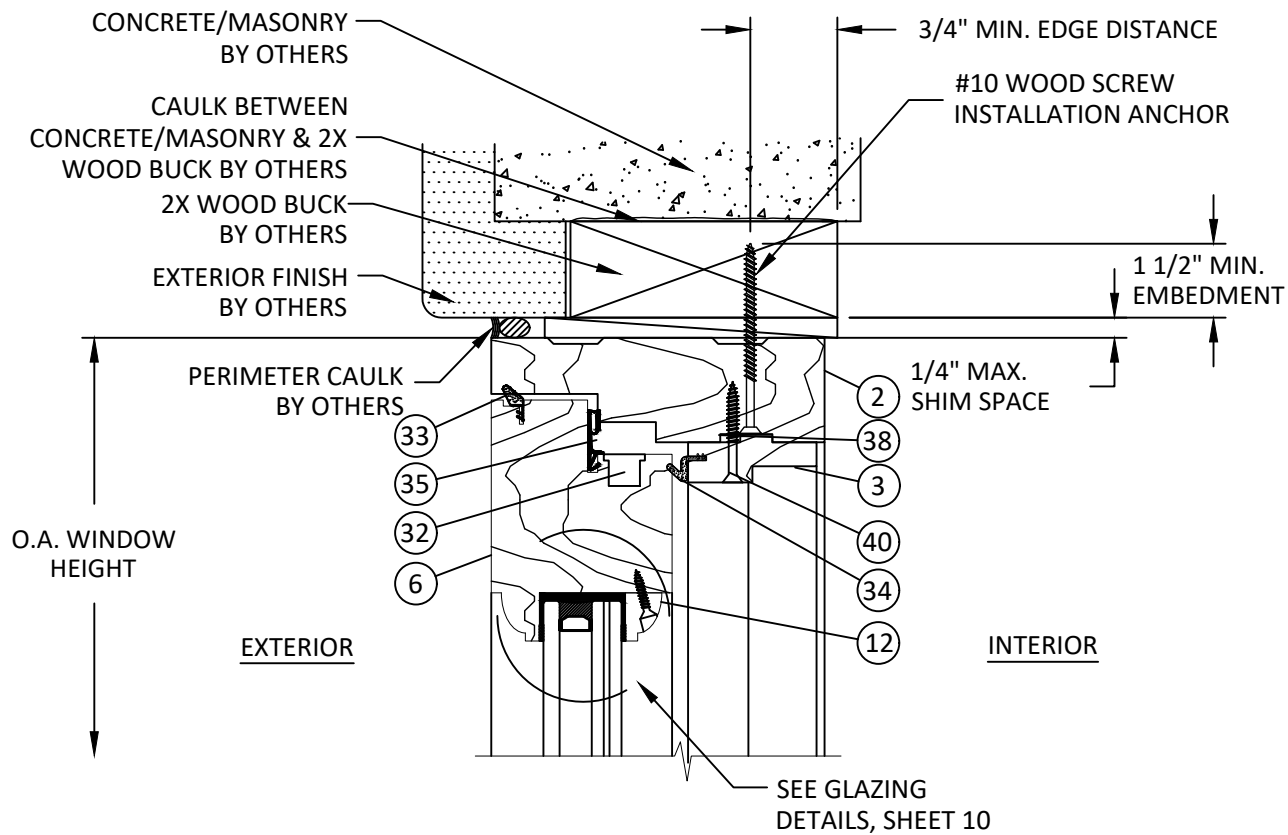
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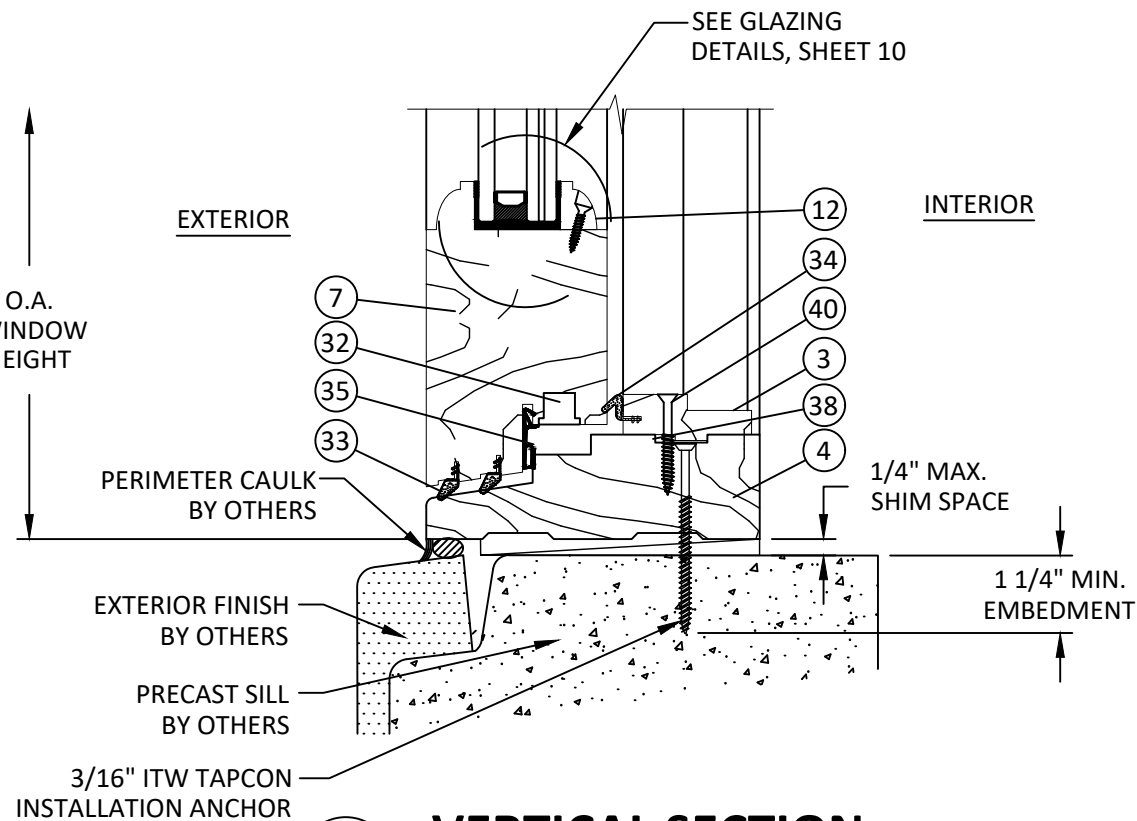
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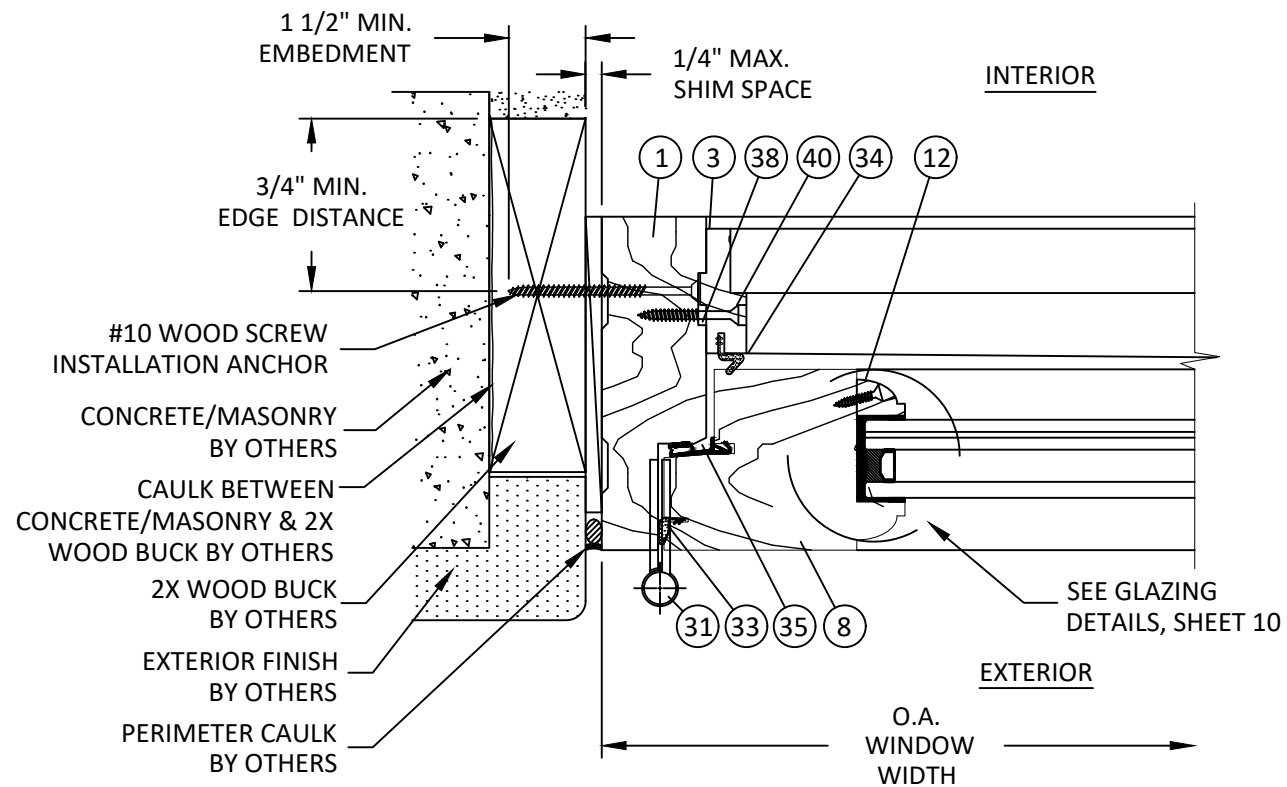
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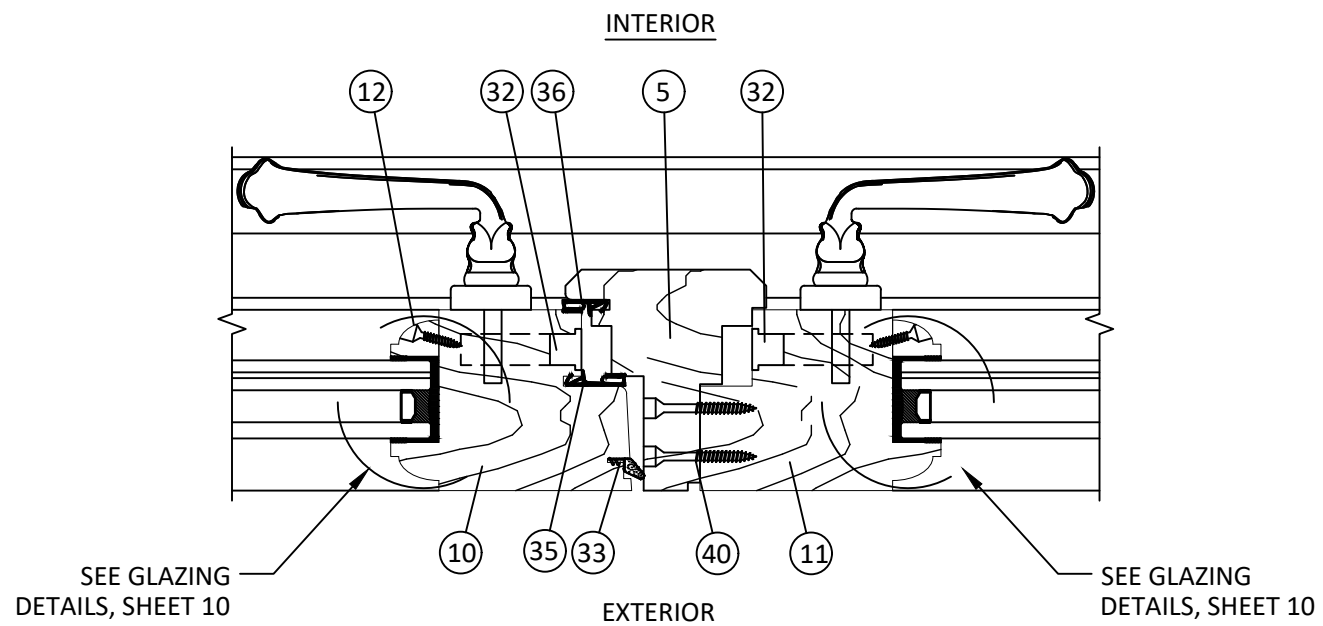
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4 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
WI SASH PROFILE



A
4 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
PRE-CAST SILL - WI SASH PROFILE



C
4 **HORIZONTAL SECTION**
JAMB - 2X WOOD BUCK
WI SASH PROFILE



D
4 **HORIZONTAL SECTION**
ASTRAGAL
WI SASH PROFILE



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CROSS SECTIONS WITH "WI" SASH PROFILES

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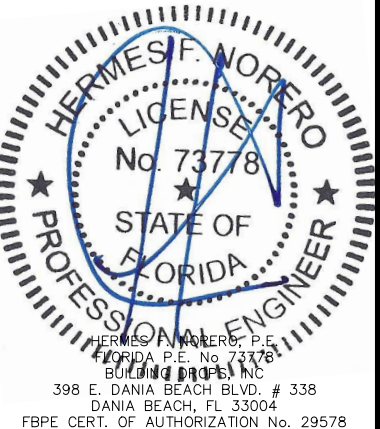
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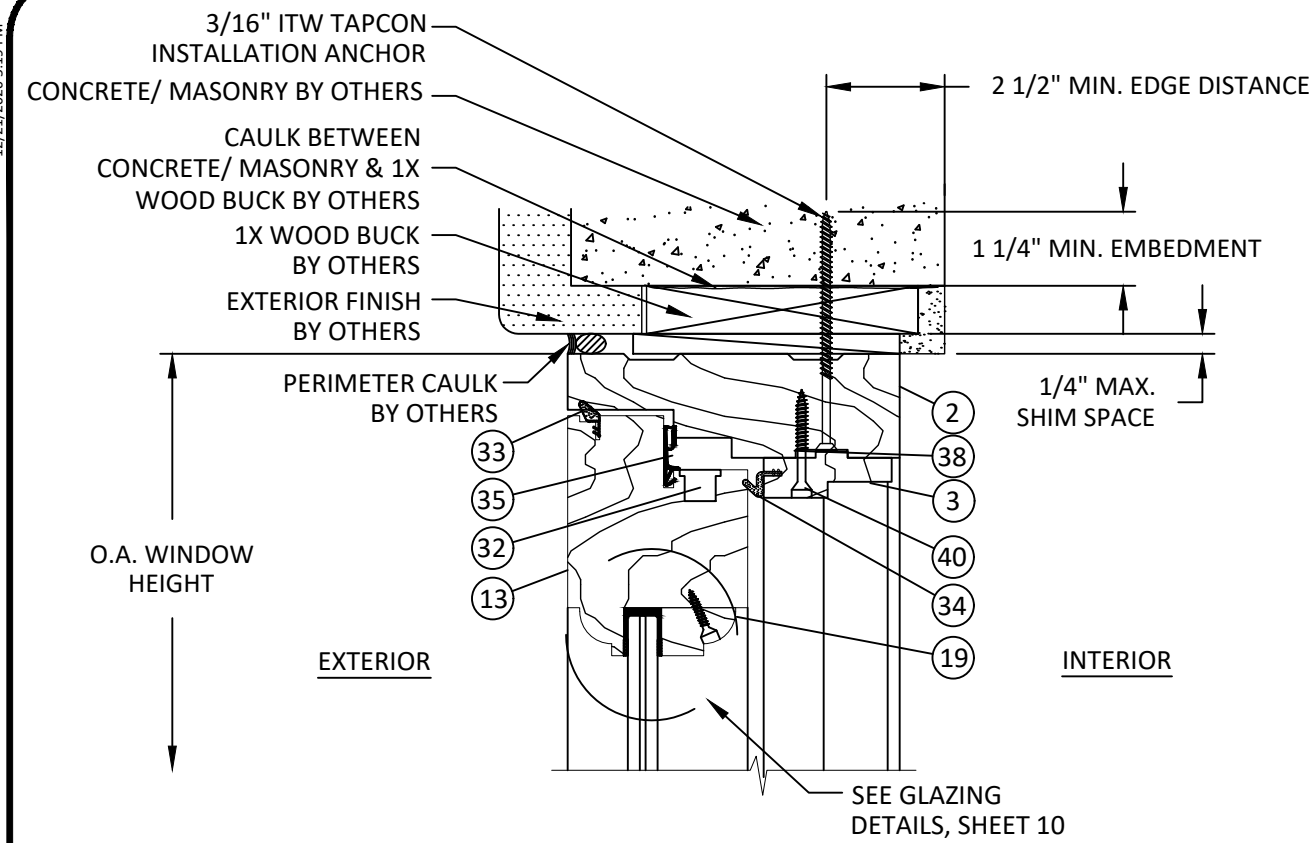
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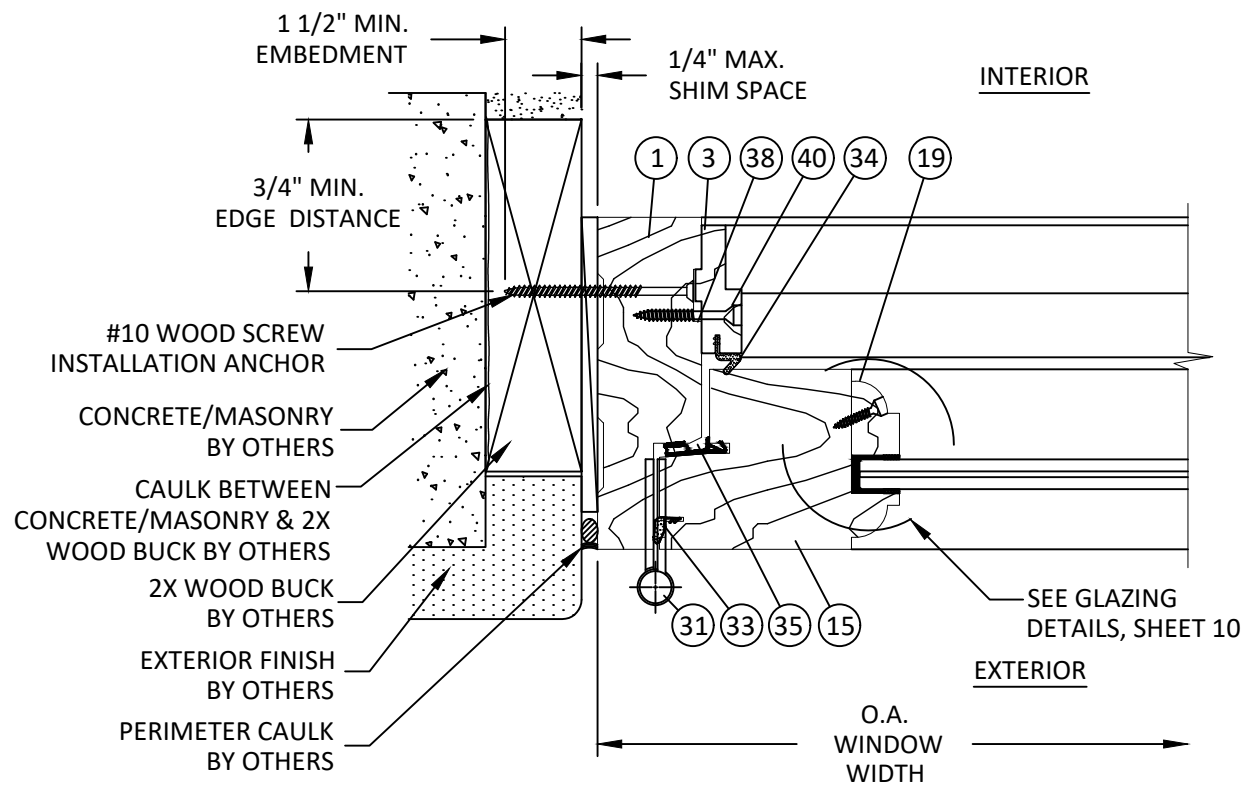
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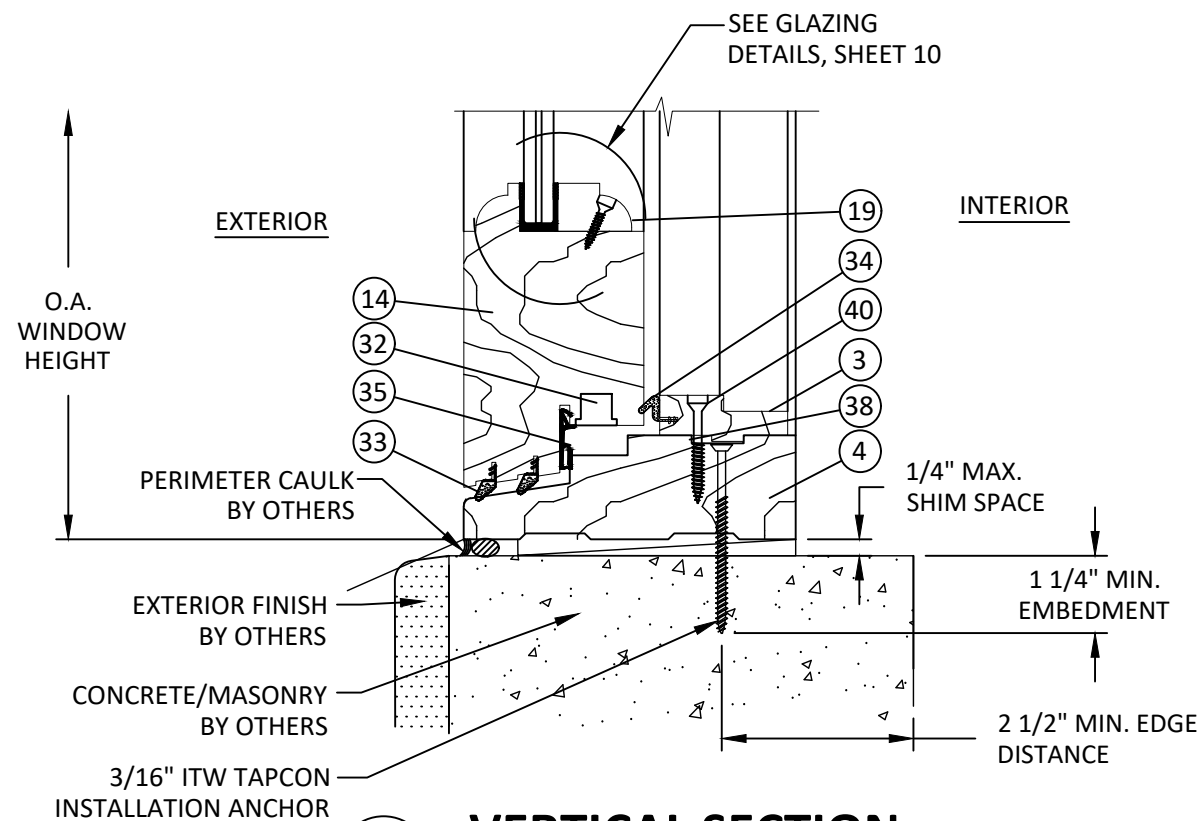
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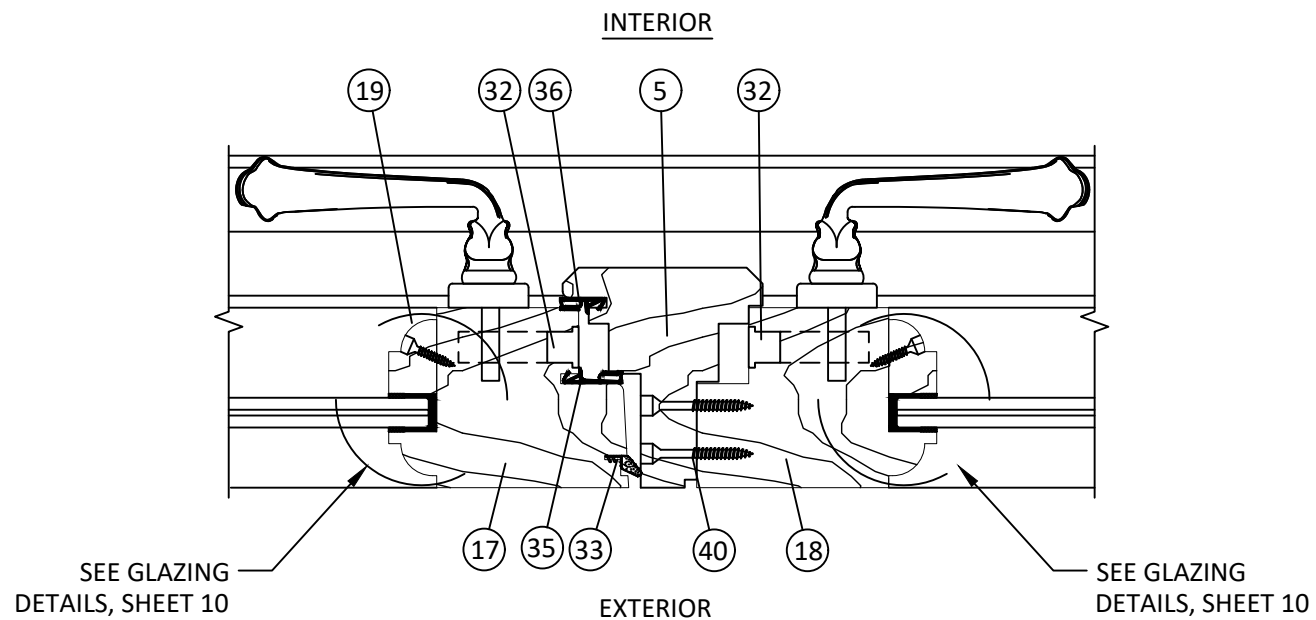
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HEAD - CONCRETE/MASONRY
WJ SASH PROFILE



G
5 **HORIZONTAL SECTION**
JAMB - 2X WOOD BUCK
WJ SASH PROFILE



E
5 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
WJ SASH PROFILE



H
5 **HORIZONTAL SECTION**
ASTRAGAL
WJ SASH PROFILE



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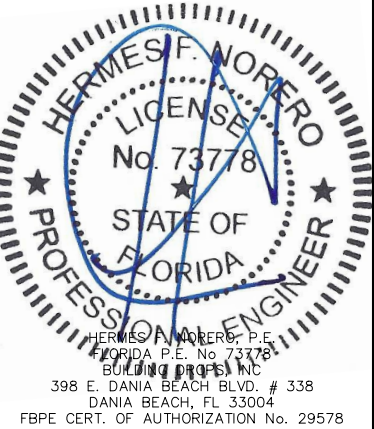
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CROSS SECTIONS WITH "WJ" SASH PROFILES

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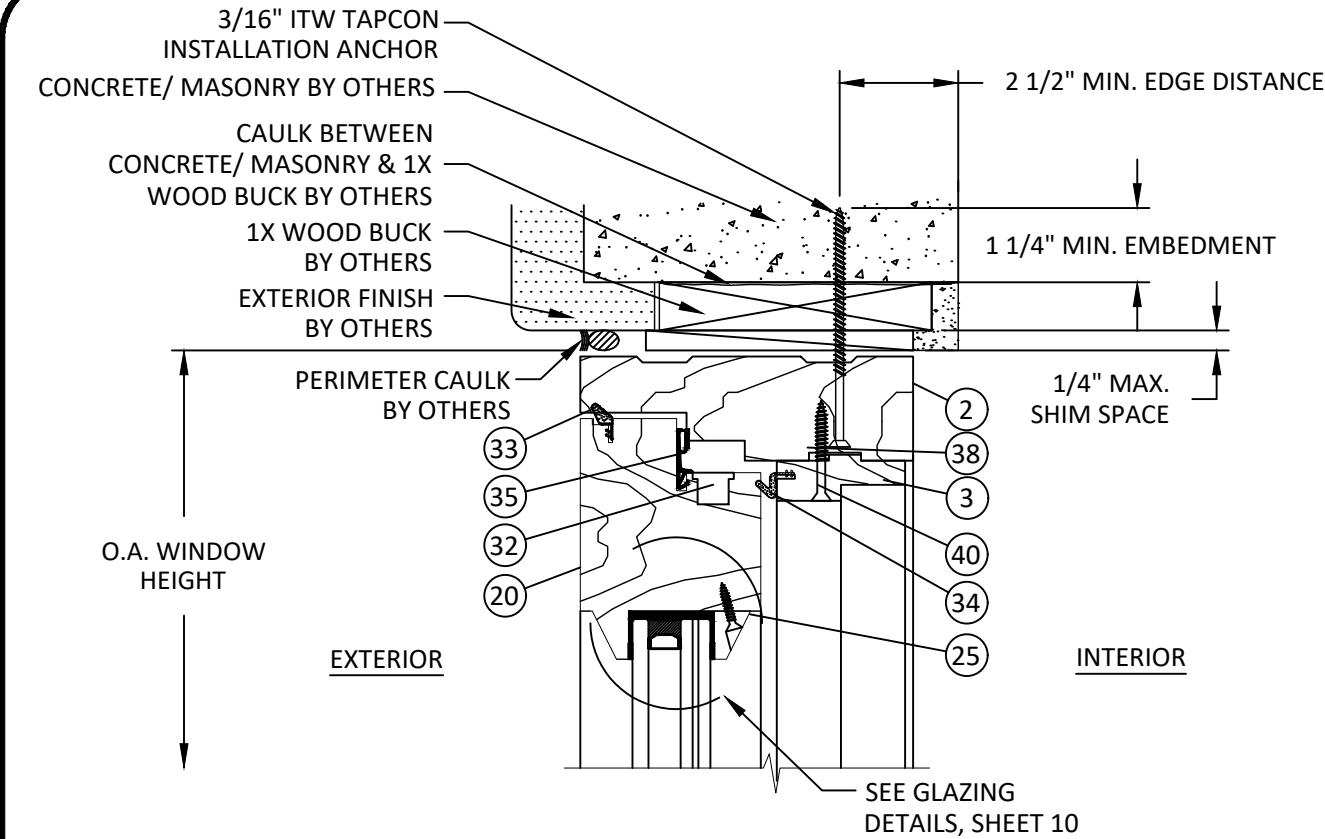
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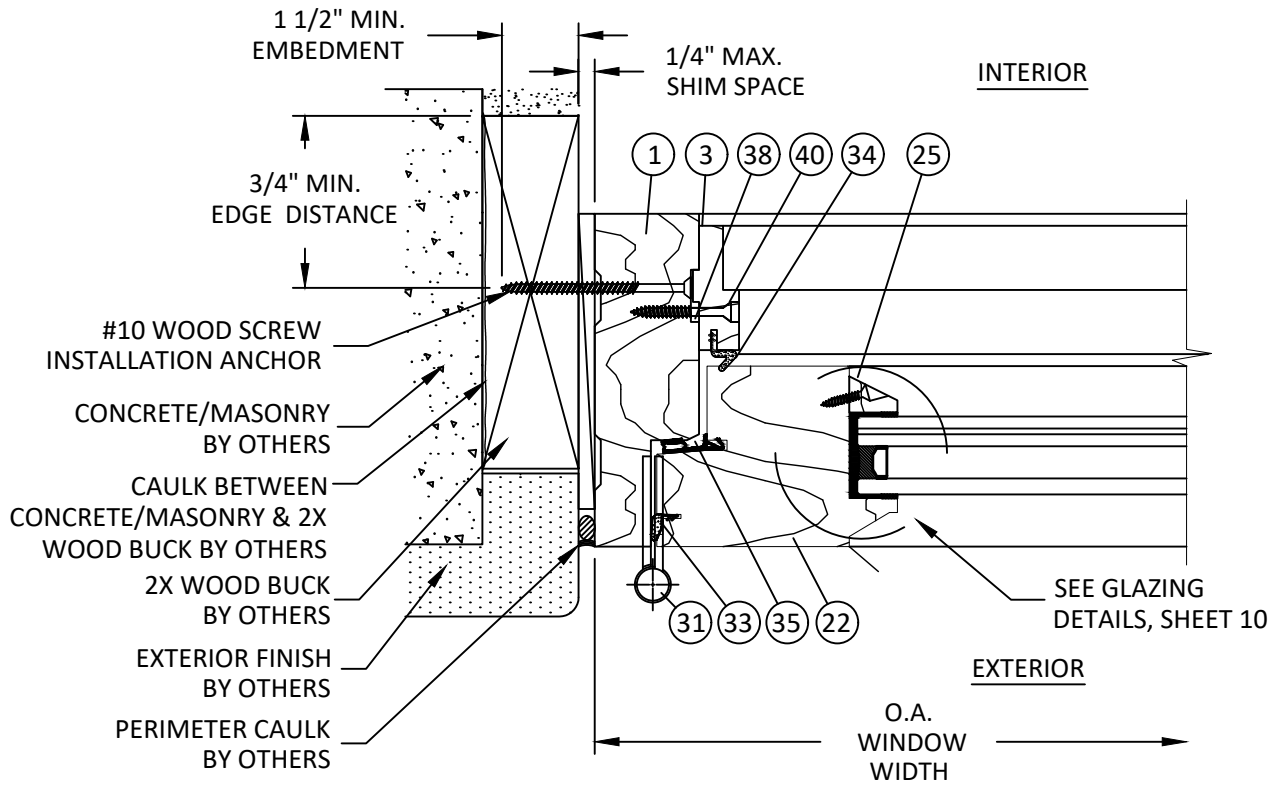
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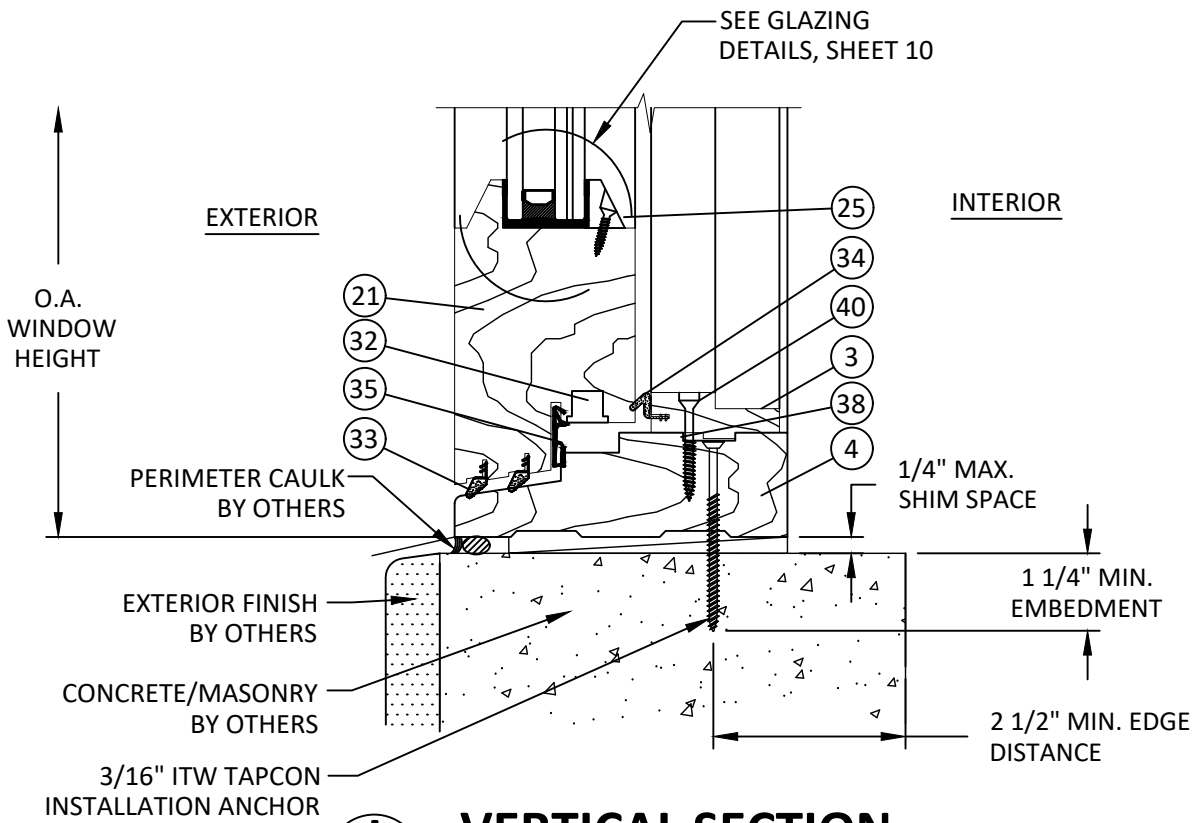
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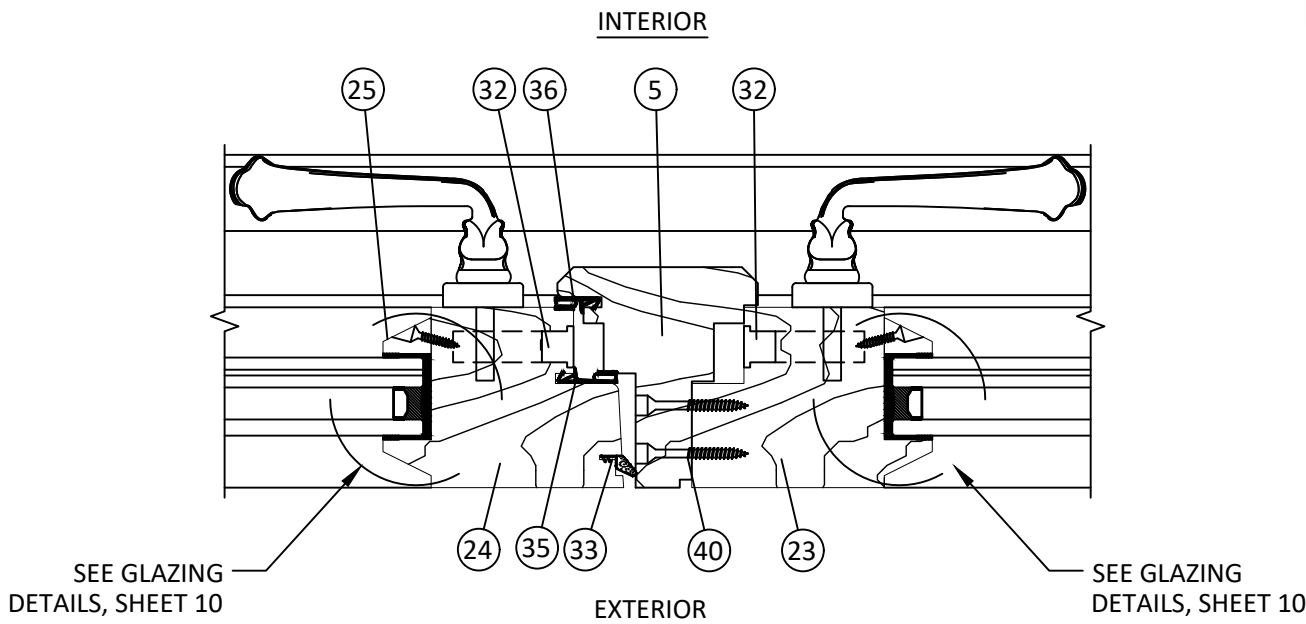
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6 **VERTICAL SECTION**
HEAD - CONCRETE/MASONRY
WH (IG) SASH PROFILE



K
6 **HORIZONTAL SECTION**
JAMB - 2X WOOD BUCK
WH (IG) SASH PROFILE



I
6 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
WH (IG) SASH PROFILE



L
6 **HORIZONTAL SECTION**
ASTRAGAL
WH (IG) SASH PROFILE



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CROSS SECTIONS WITH
"WH" (IG) SASH PROFILES

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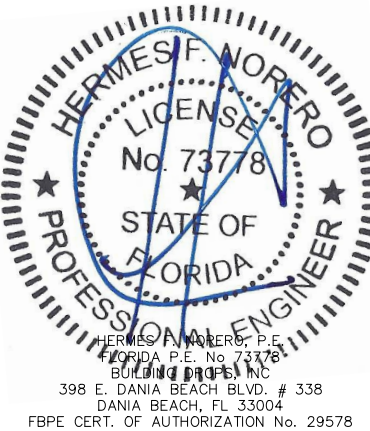
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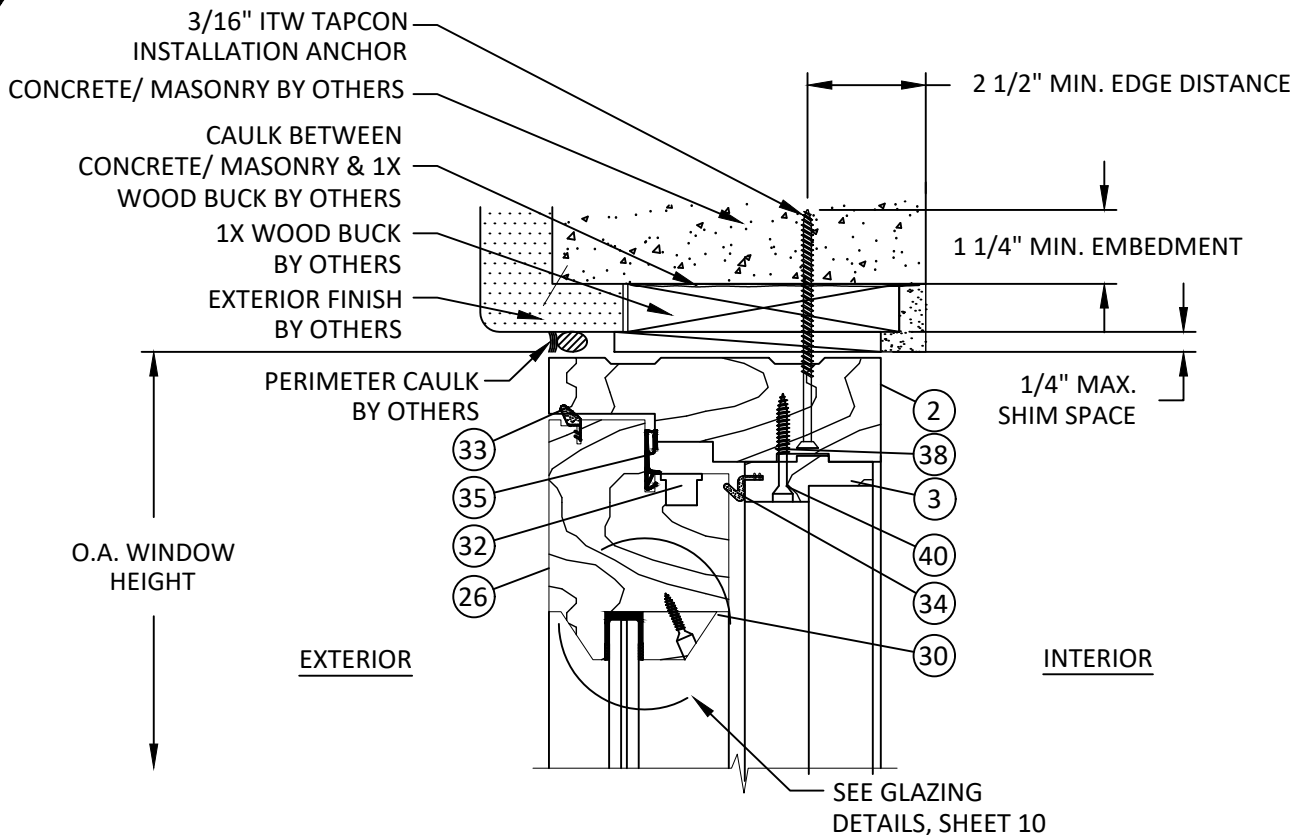
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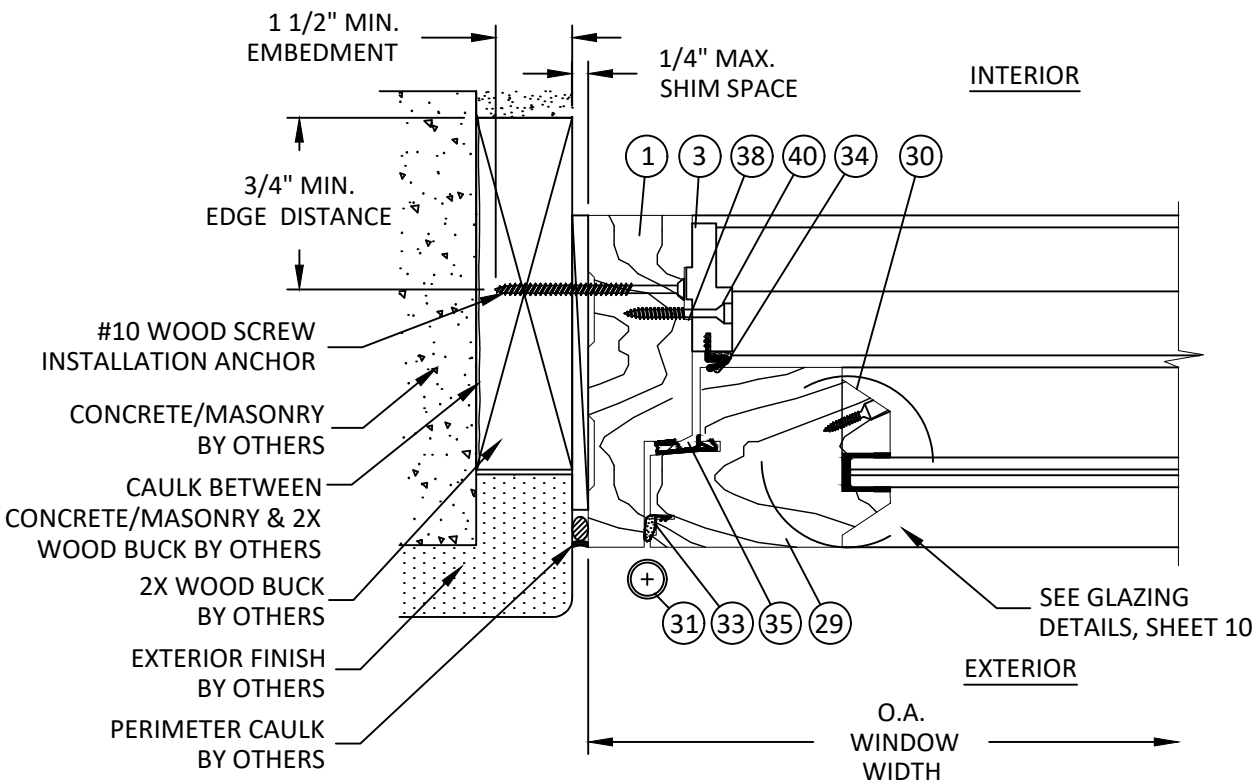
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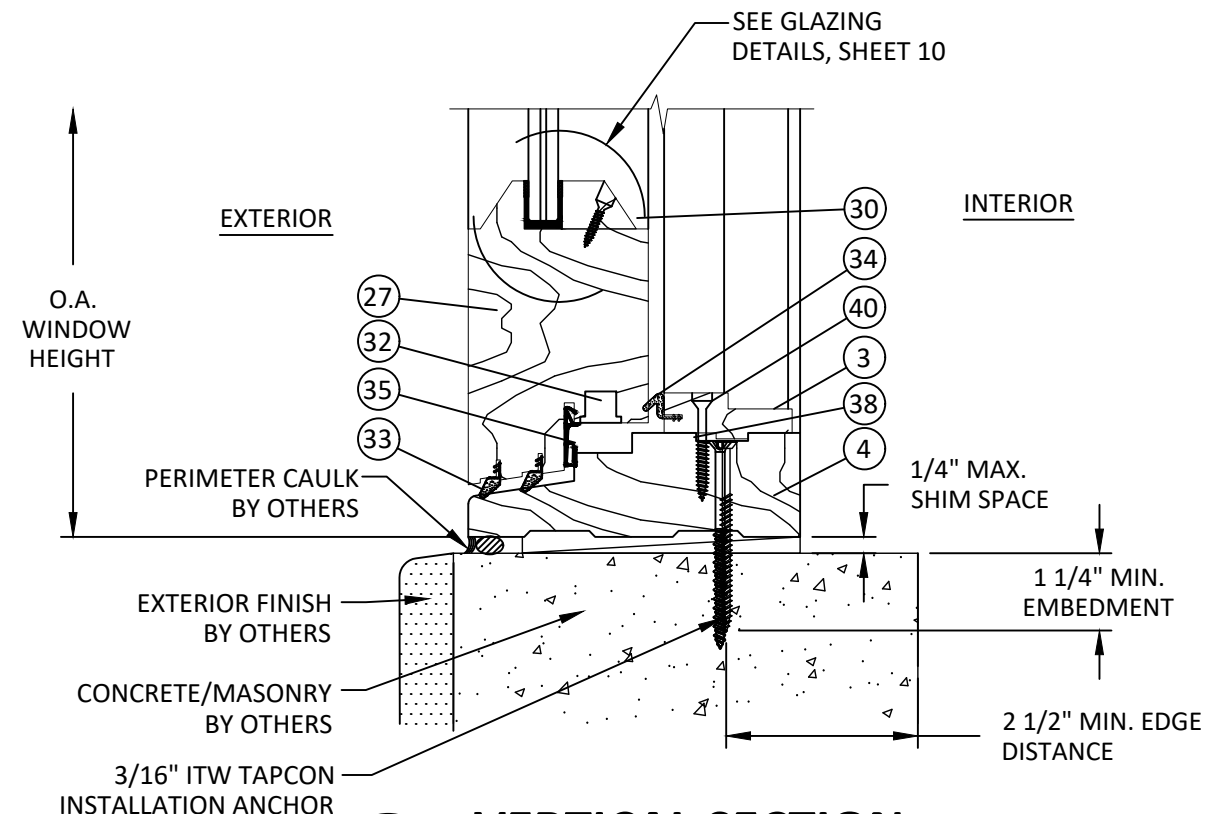
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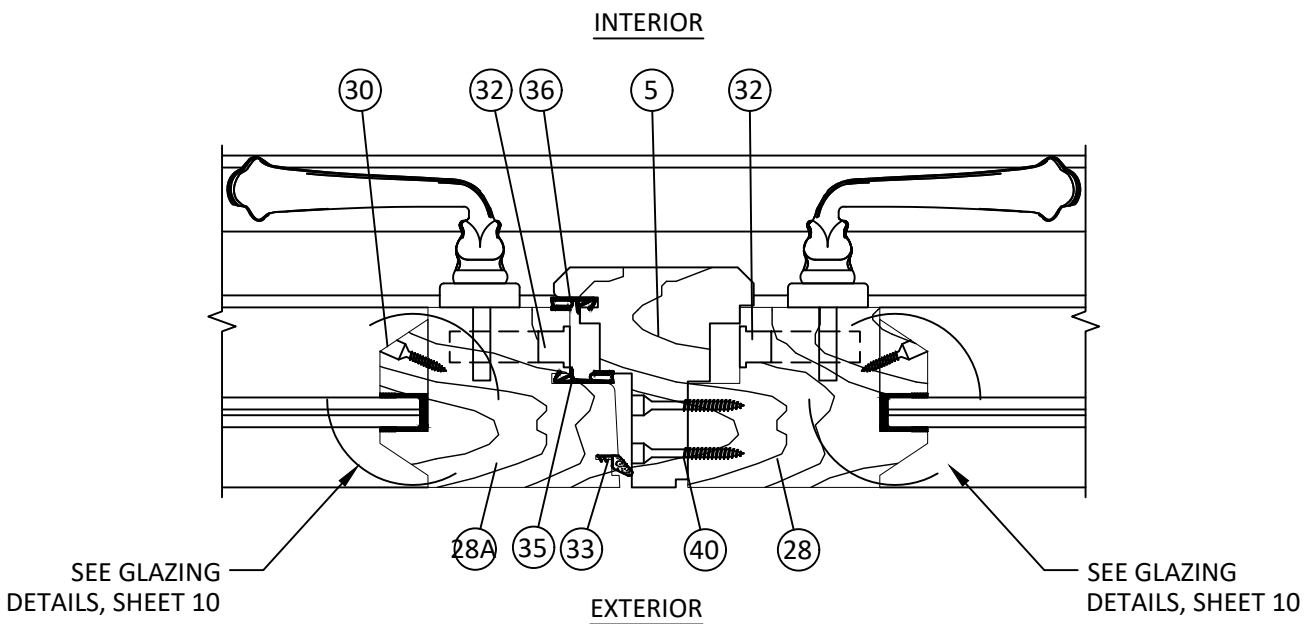
N
7
VERTICAL SECTION
HEAD - CONCRETE/MASONRY
WH (MONO) SASH PROFILE



O
7
HORIZONTAL SECTION
JAMB - 2X WOOD BUCK
WH (MONO) SASH PROFILE



M
7
VERTICAL SECTION
SILL - CONCRETE/MASONRY
WH (MONO) SASH PROFILE



P
7
HORIZONTAL SECTION
ASTRAGAL
WH (MONO) SASH PROFILE



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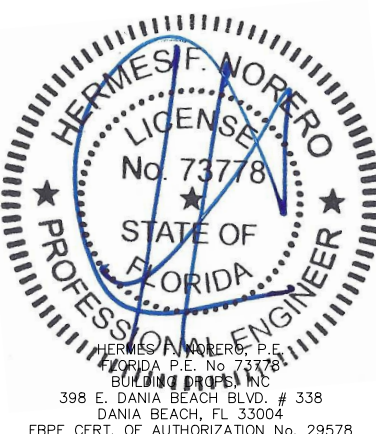
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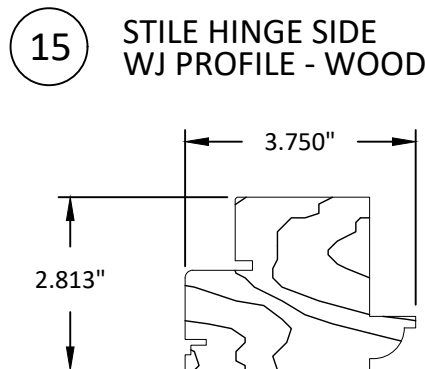
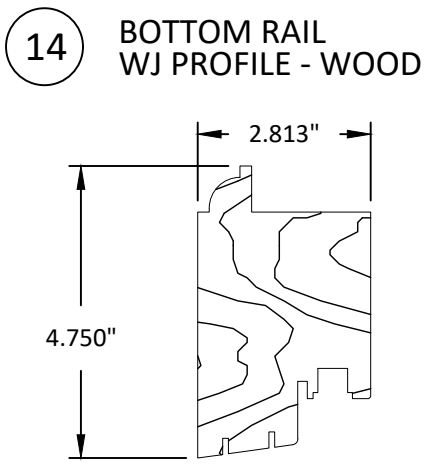
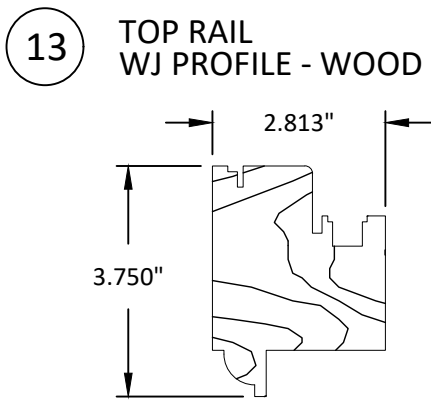
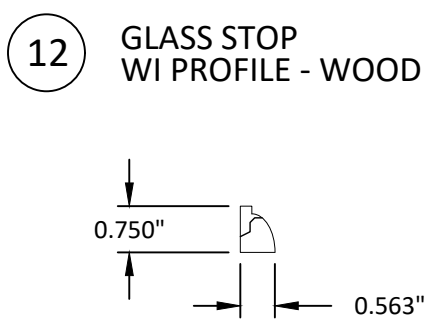
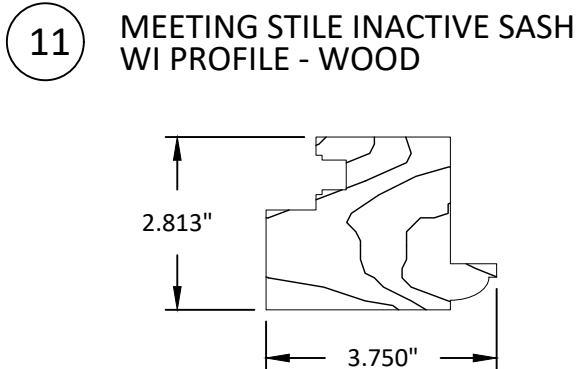
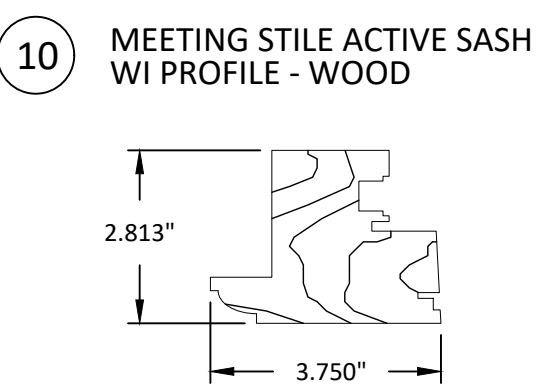
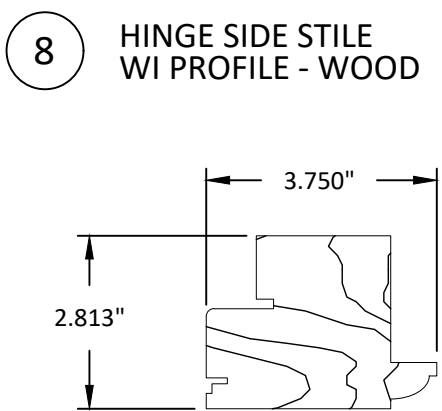
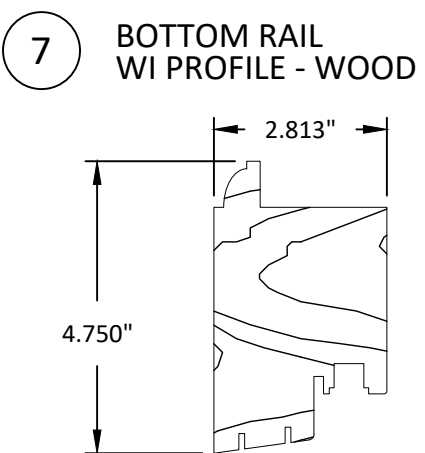
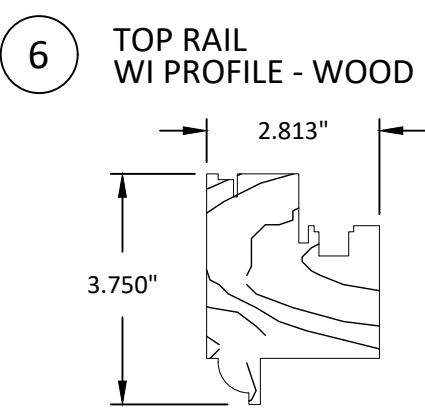
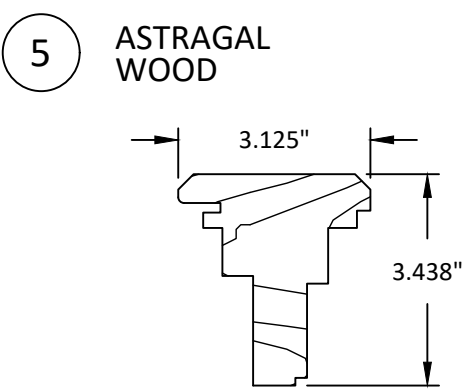
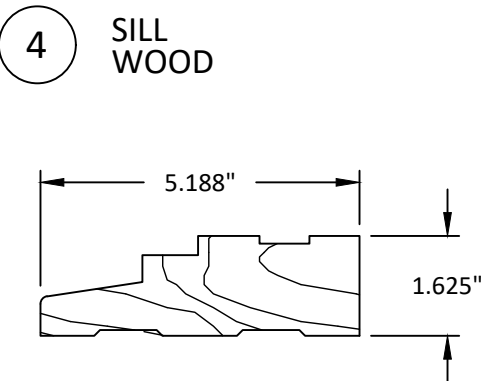
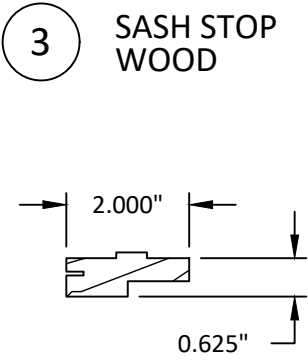
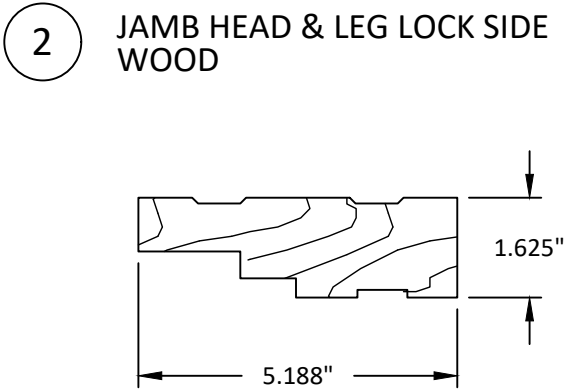
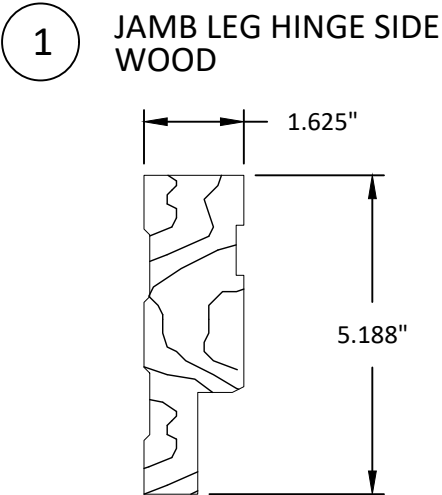


FL #:	FL14297
DATE:	11.05.20
DWG. BY:	RV
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	CAB026
SHEET:	7

12/21/2020 5:20 PM

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ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER	MATERIAL
FRAME PARTS				
1	---	JAMB LEG HINGE SIDE	CAOBA	WOOD
2	---	JAMB HEAD & LEG LOCK SIDE	CAOBA	WOOD
3	---	SASH STOP	CAOBA	WOOD
4	---	SILL	CAOBA	WOOD
5	---	ASTRAGAL	CAOBA	WOOD
SASH PARTS				
6	---	TOP RAIL	CAOBA	WOOD
7	---	BOTTOM RAIL	CAOBA	WOOD
8	---	STILE HINGE SIDE	CAOBA	WOOD
9	---	(NOT USED)	CAOBA	WOOD
10	---	STILE ACTIVE SASH, ASTRAGAL SIDE	CAOBA	WOOD
11	---	STILE INACTIVE SASH, ASTRAGAL SIDE	CAOBA	WOOD
12	---	GLASS STOP	CAOBA	WOOD
13	---	TOP RAIL	CAOBA	WOOD
14	---	BOTTOM RAIL	CAOBA	WOOD
15	---	STILE HINGE SIDE	CAOBA	WOOD
16	---	(NOT USED)	CAOBA	WOOD
17	---	STILE ACTIVE SASH, ASTRAGAL SIDE	CAOBA	WOOD
18	---	STILE INACTIVE SASH, ASTRAGAL SIDE	CAOBA	WOOD
19	---	GLASS STOP	CAOBA	WOOD
20	---	TOP RAIL	CAOBA	WOOD
21	---	BOTTOM RAIL	CAOBA	WOOD
22	---	STILE HINGE SIDE	CAOBA	WOOD
23	---	STILE INACTIVE SASH, ASTRAGAL SIDE	CAOBA	WOOD
24	---	STILE ACTIVE SASH, ASTRAGAL SIDE	CAOBA	WOOD
25	---	GLASS STOP	CAOBA	WOOD
26	---	TOP RAIL	CAOBA	WOOD
27	---	BOTTOM RAIL	CAOBA	WOOD
28	---	STILE INACTIVE SASH, ASTRAGAL SIDE	CAOBA	WOOD
28A	---	STILE ACTIVE SASH, ASTRAGAL SIDE	CAOBA	WOOD
29	---	STILE HINGE SIDE	CAOBA	WOOD
30	---	GLASS STOP	CAOBA	WOOD
HARDWARE				
31	SBBH44	4" x 4" SOLID EXTRUDED BRASS BALL BEARING HINGES	CAL ROYAL	BRASS
32	---	LOCK HARDWARE SYSTEM	SIEGENIA	E-LOOK
SEALS AND SEALANTS				
33	12407	.325 Kerf PS - Foam - Open Cell	AMESBURY	FOAM
34	12464	.335 Kerf PS - Foam - Open Cell	AMESBURY	FOAM
35	DS 6988	SILICONE SEAL	DEVENTER	RUBBER / FOAM
36	DS 6922	SILICONE SEAL	DEVENTER	RUBBER / FOAM
37	DOW 795	SILICONE SEALANT @ 3 SIDES	DOW CORNING	SILICONE
38	201 US	SIKAFLEX 201 US	FRANKLIN	SILICONE
39	AWT3	1/16" X 1/4" GLAZING TAPE	DOW CORNING	SILICONE
MISC. FASTENERS				
40	---	4mm x 40mm FH CS, CROSS RECESS Z (for sash stops)	SPAX	ZINC YELLOW
41	---	4mm x 30mm FH CS, CROSS RECESS Z (for glass mouldings)	SPAX	ZINC YELLOW
42	---	4mm x 60mm FH CS, CROSS RECESS Z (for frame assembly)	SPAX	ZINC YELLOW
43	---	3.5mm x 20mm FH CS, CROSS RECESS Z (for reinforcements at arch frames)	SPAX	ZINC YELLOW





4918 CEDAR AVENUE
PHILADELPHIA, PA 19143

PH: (215) 525-5048 FX: (215) 747-8908

TITLE: MAHOGANY OUTSWING DOUBLE CASEMENT WINDOWS

COMPONENTS & BILL OF MATERIALS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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HERMES F. MORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL14297**

DATE: **11.05.20**

DWG. BY: RV	CHK. BY: HFN
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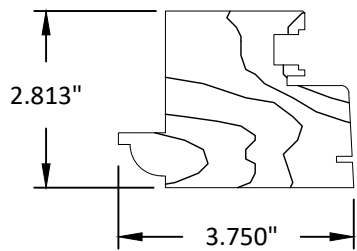
DWG. #: **CAB026**

SHEET: **8**

OF 10

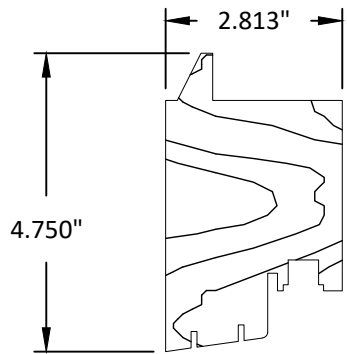
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MEETING STILE ACTIVE SASH
WJ PROFILE - WOOD



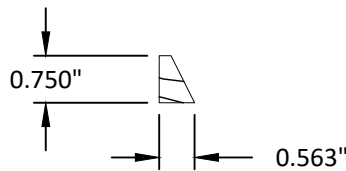
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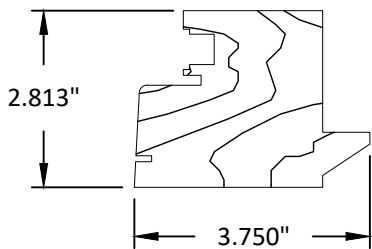
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GLASS STOP
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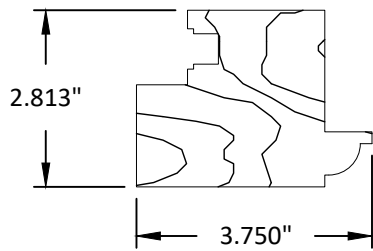
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MEETING STILE ACTIVE SASH
WH (MONO) PROFILE - WOOD



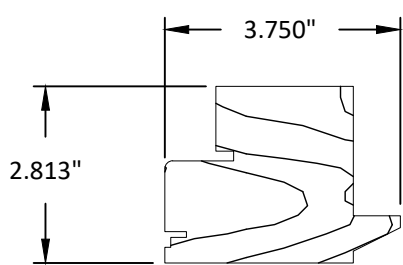
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MEETING STILE INACTIVE SASH
WJ PROFILE - WOOD



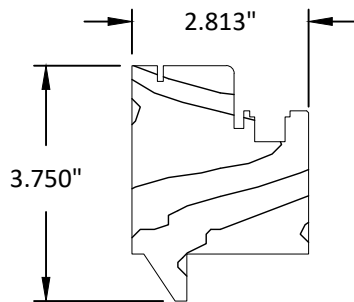
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STILE HINGE SIDE
WH (IG) PROFILE - WOOD



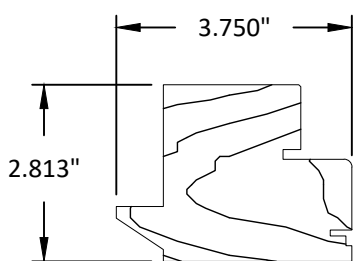
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TOP RAIL
WH (MONO) PROFILE - WOOD



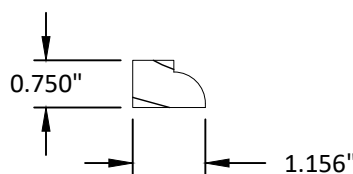
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WH (MONO) PROFILE - WOOD



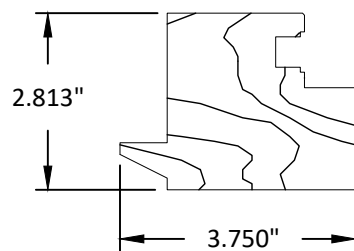
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GLASS STOP
WJ PROFILE - WOOD



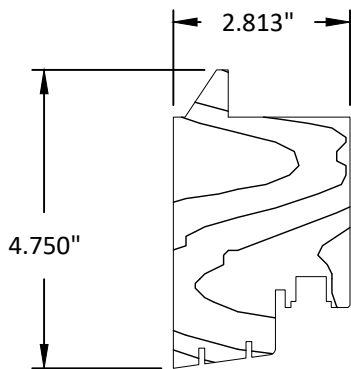
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WH (IG) PROFILE - WOOD



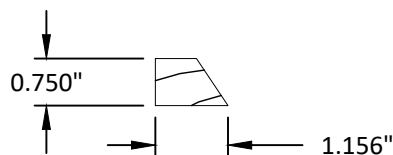
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BOTTOM RAIL
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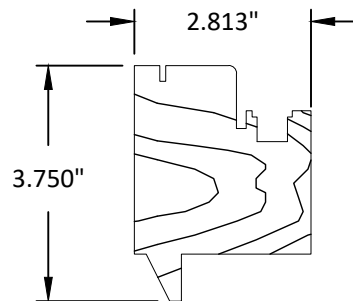
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GLASS STOP
WH (MONO) PROFILE - WOOD



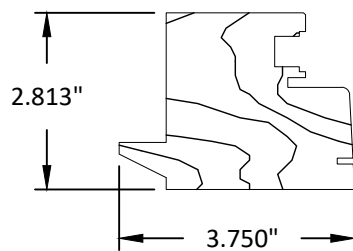
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TOP RAIL
WH (IG) PROFILE - WOOD



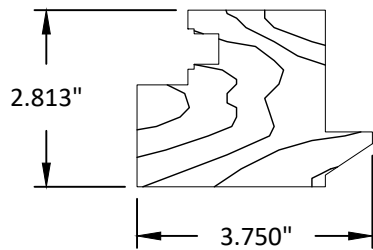
24

MEETING STILE ACTIVE SASH
WH (IG) PROFILE - WOOD



28

MEETING STILE INACTIVE SASH
WH (MONO) PROFILE - WOOD



caoba[®]
DOORS

4918 CEDAR AVENUE
PHILADELPHIA, PA 19143

PH: (215) 525-5048 FX: (215) 747-8908

TITLE:
MAHOGANY OUTSWING DOUBLE
CASEMENT WINDOWS

COMPONENTS

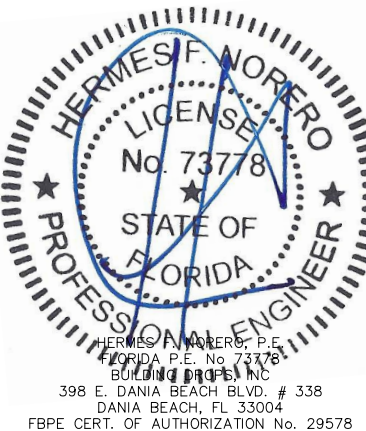
PREPARED BY:

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FL14297

DATE: **11.05.20**

DWG. BY:
RV

CHK. BY:
HFN

SCALE: **NTS**

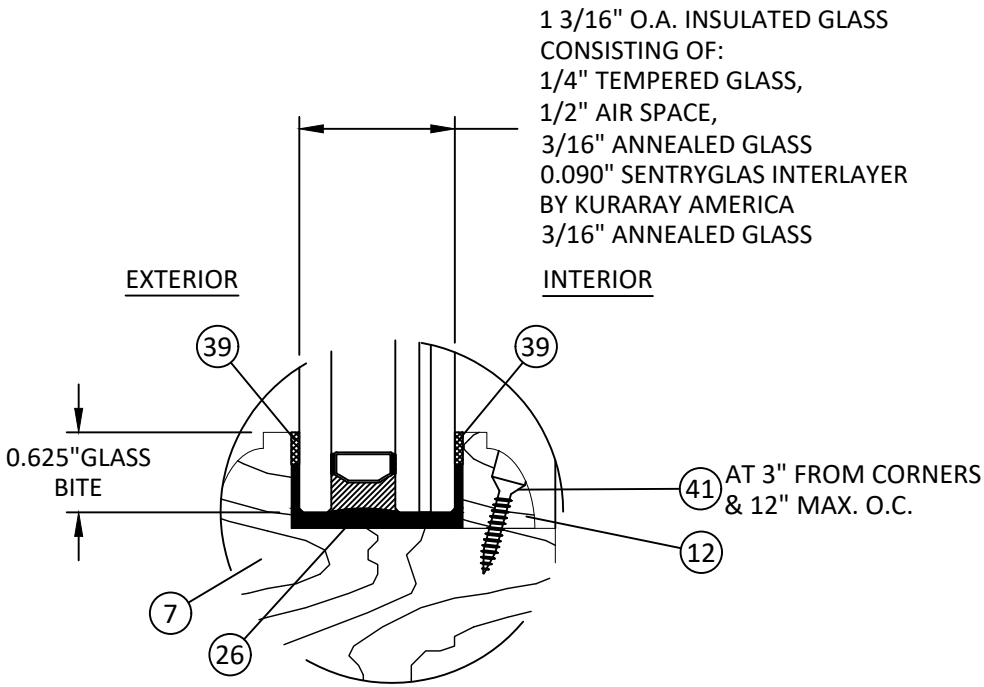
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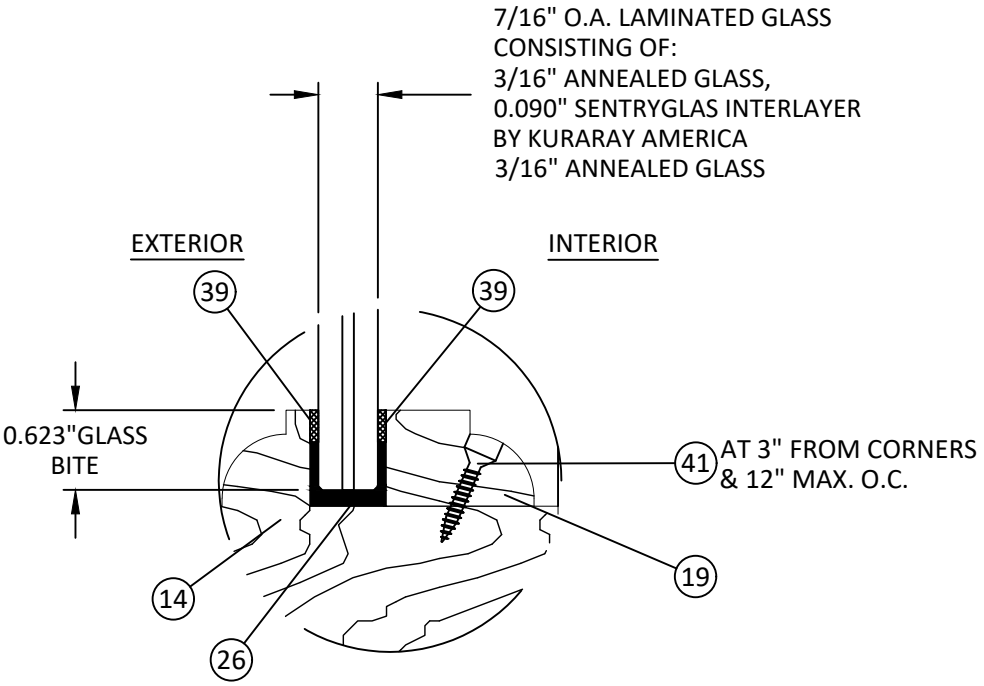
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OF 10

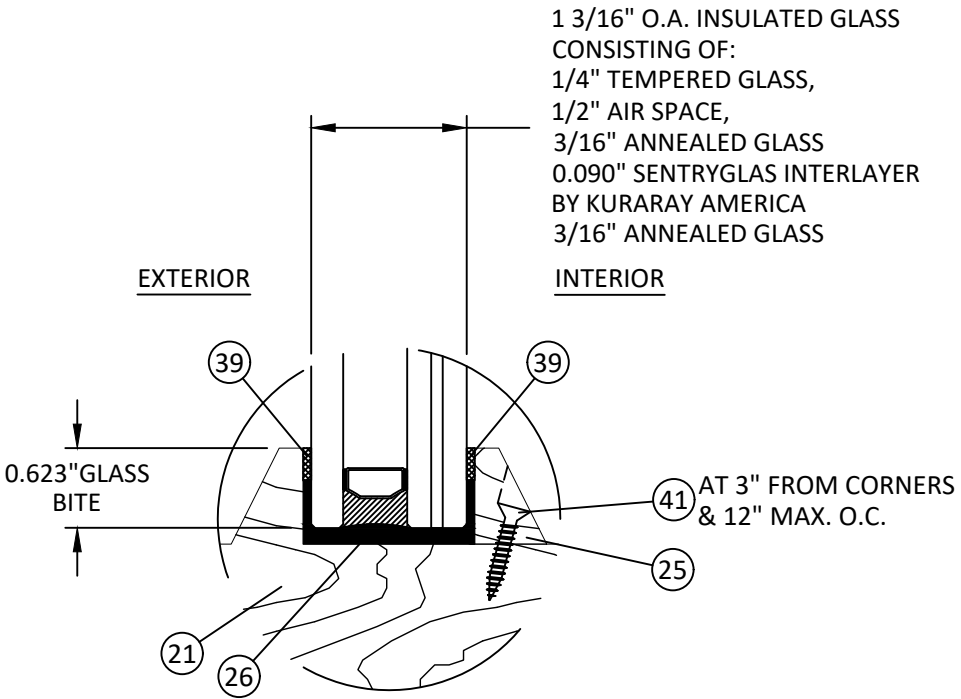
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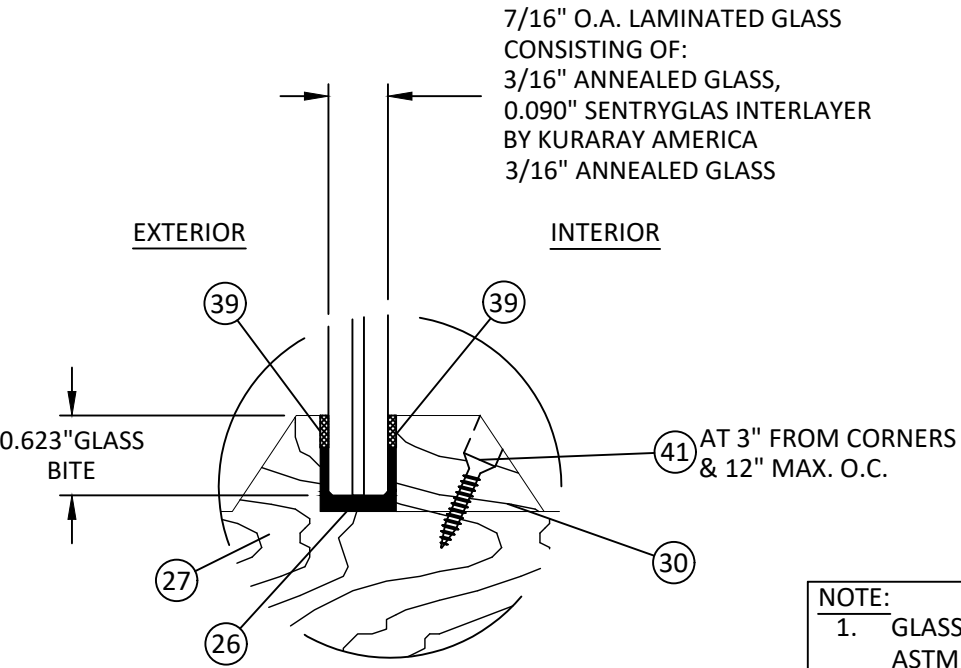
GLAZING DETAIL WI
FOR USE WITH "WI" SASH PROFILE



GLAZING DETAIL WJ
FOR USE WITH "WJ" SASH PROFILE



GLAZING DETAIL WH (I.G.)
FOR USE WITH "WH" SASH PROFILE



GLAZING DETAIL WH (MONO.)
FOR USE WITH "WH" SASH PROFILE

- NOTE:**
1. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300 (3 SEC. GUSTS) AND CHAPTER 17 OF THE CURRENT FBC FOR SIZES OTHER THAN TESTED.
 2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
 3. SETING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
 4. D.I.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.



4918 CEDAR AVENUE
PHILADELPHIA, PA 19143

PH: (215) 525-5048 FX: (215) 747-8908

TITLE: MAHOGANY OUTSWING DOUBLE CASEMENT WINDOWS

GLAZING DETAILS

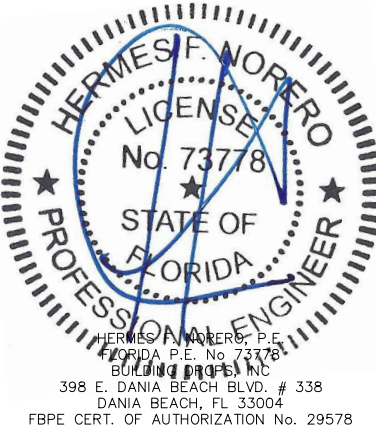
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SCALE: **NTS**

DWG. #: **CAB026**

SHEET:

10

OF 10