

ARTISTIC DOORS AND LOCKS, LLC

GLAZED WOOD DOOR INSWING/OUTSWING (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 2X WOOD BUCK 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 TAPCON OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
- FOR INSTALLATION THROUGH STEEL STUD USE #10 SELF-TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM ENGAGEMENT INTO STEEL FRAME SUBSTRATE.
- 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, MIN 2000 PSI COMPRESIVE STRENGTH.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS 18 GAUGE.

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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE
- 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.
- DOOR FRAME MATERIAL: BRAZILIAN OAK OR MAHOGANY
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - X: OPERABLE PANEL
 - O: FIXED PANEL
- APPROVED CONFIGURATION:
 - X, O, XO, OX, XX, OXO, XXO, OXX, OXXO
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 9 FOR GLAZING DETAILS.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATION AND ANCHOR LAYOUT
3	VERTICAL SECTIONS
4	VERTICAL SECTIONS
5	VERTICAL SECTIONS
6	HORIZONTAL SECTIONS
7	HORIZONTAL SECTIONS
8	COMPONENTS & BILL OF MATERIALS
9	COMPONENTS & GLAZING DETAILS

DESIGN PRESSURE RATING		
DESIGN PRESSURE - ALL SIZES		MISSILE IMPACT RATING
+47/- 47 PSF	W/O WATER INFILTRATION REQUIRED	LARGE AND SMALL MISSILE IMPACT RATED
DESIGN PRESSURE - INSWING UNITS		MISSILE IMPACT RATING
+25* /- 47 PSF	W/ WATER INFILTRATION REQUIRED	LARGE AND SMALL MISSILE IMPACT RATED
DESIGN PRESSURE - OUTSWING UNITS		MISSILE IMPACT RATING
+35* /- 47 PSF	W/ WATER INFILTRATION REQUIRED	LARGE AND SMALL MISSILE IMPACT RATED

*+47 PSF CAN BE ACHIEVED IF UNIT INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT THE OVERHANG RATIO (OH) = OH LENGTH/OH HEIGHT GREATER THAN 1.0 WHERE WATER INFILTRATION IS REQUIRED.



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108 S BAYVIEW BLVD
OLDSMAR, FL 34677
PH: (813) 855-6125 FX: (813) 855-0115

TITLE: GLAZED WOOD DOOR
INSWING/OUTSWING
(HVHZ) (IMPACT)

INSTALLATION & GENERAL NOTES

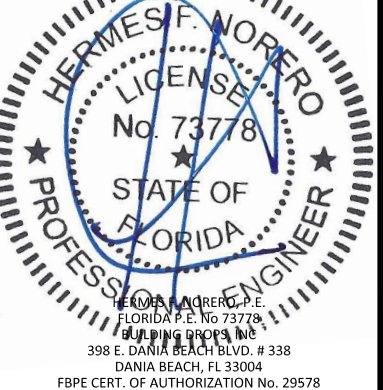
PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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REMARKS	BY	DATE

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Reason: I am approving this document
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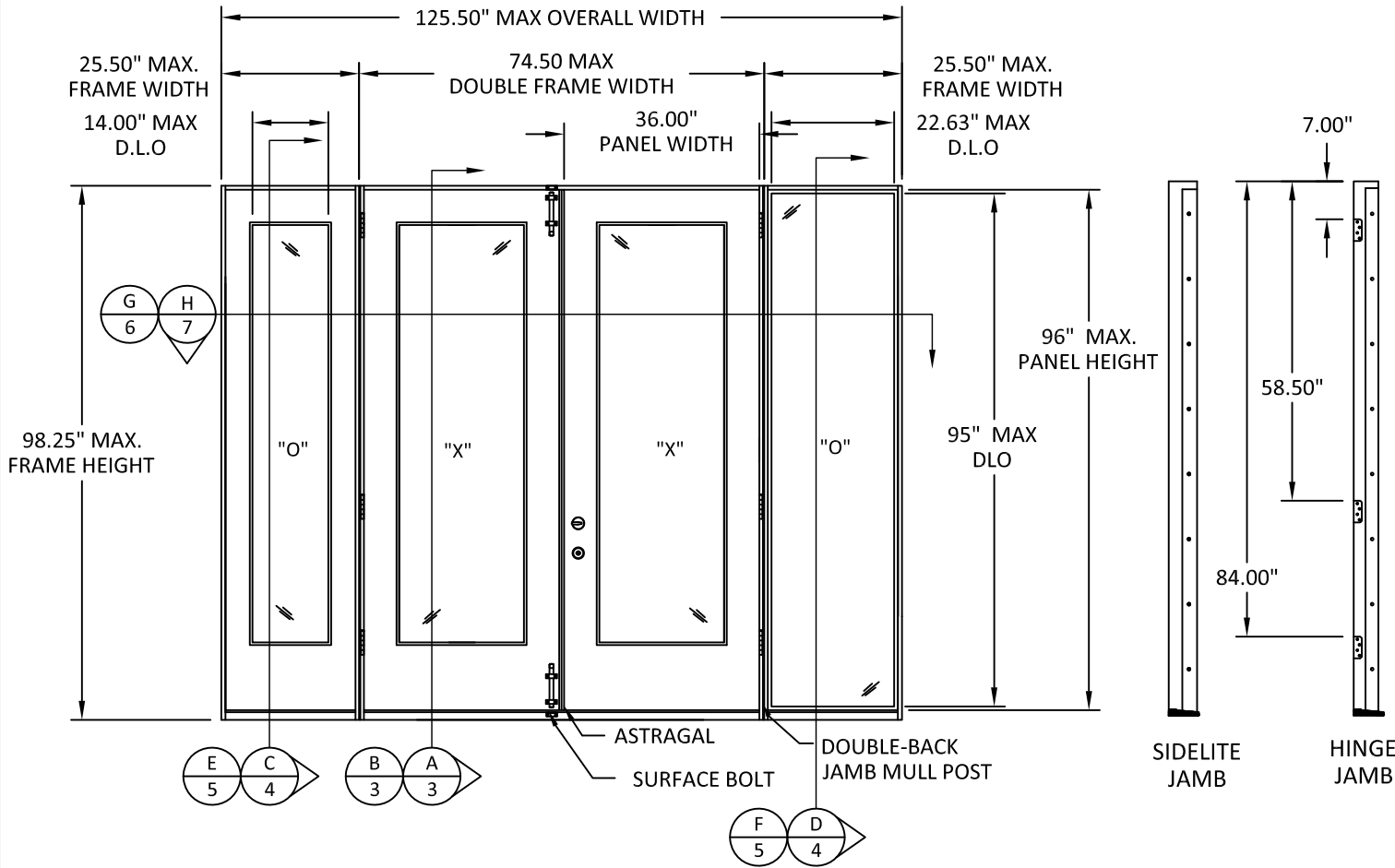
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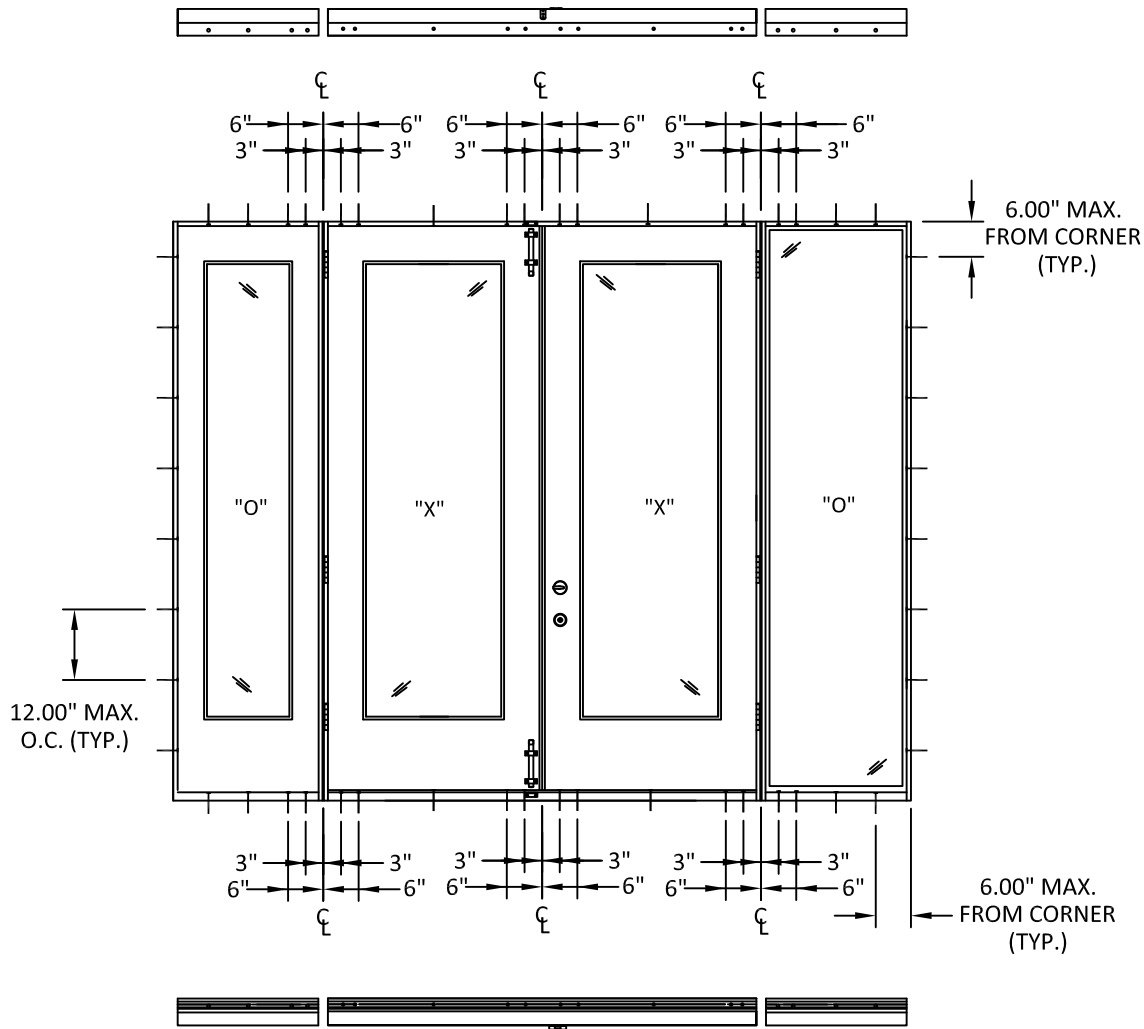
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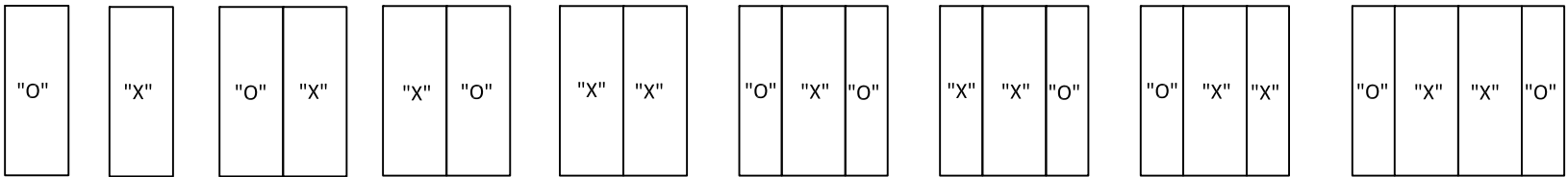
SHEET:
1
OF 9



ELEVATION



ANCHOR LAYOUT



APPROVED CONFIGURATIONS

NOTE: ALL CONFIGURATIONS HAVE THE SAME HARDWARE. ALL SWINGING DOUBLE DOORS HAVE A CENTER ASTRAGAL.



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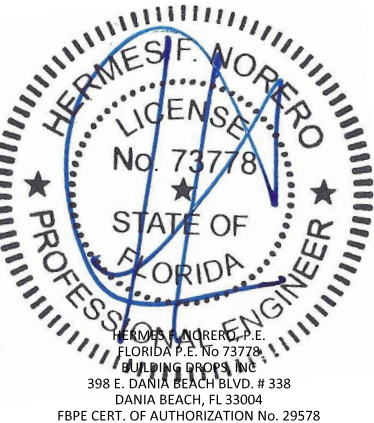
VERTICAL SECTIONS

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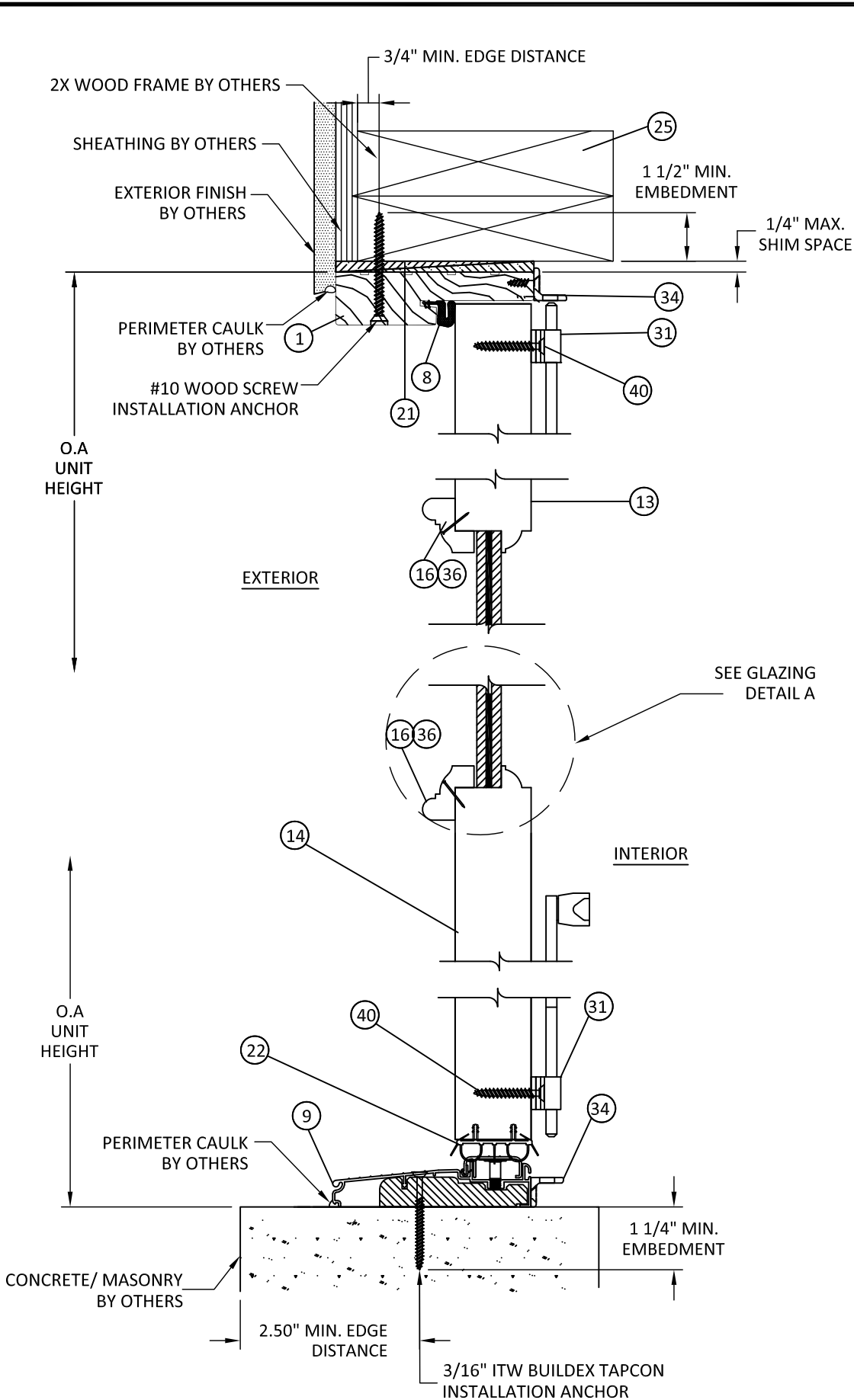
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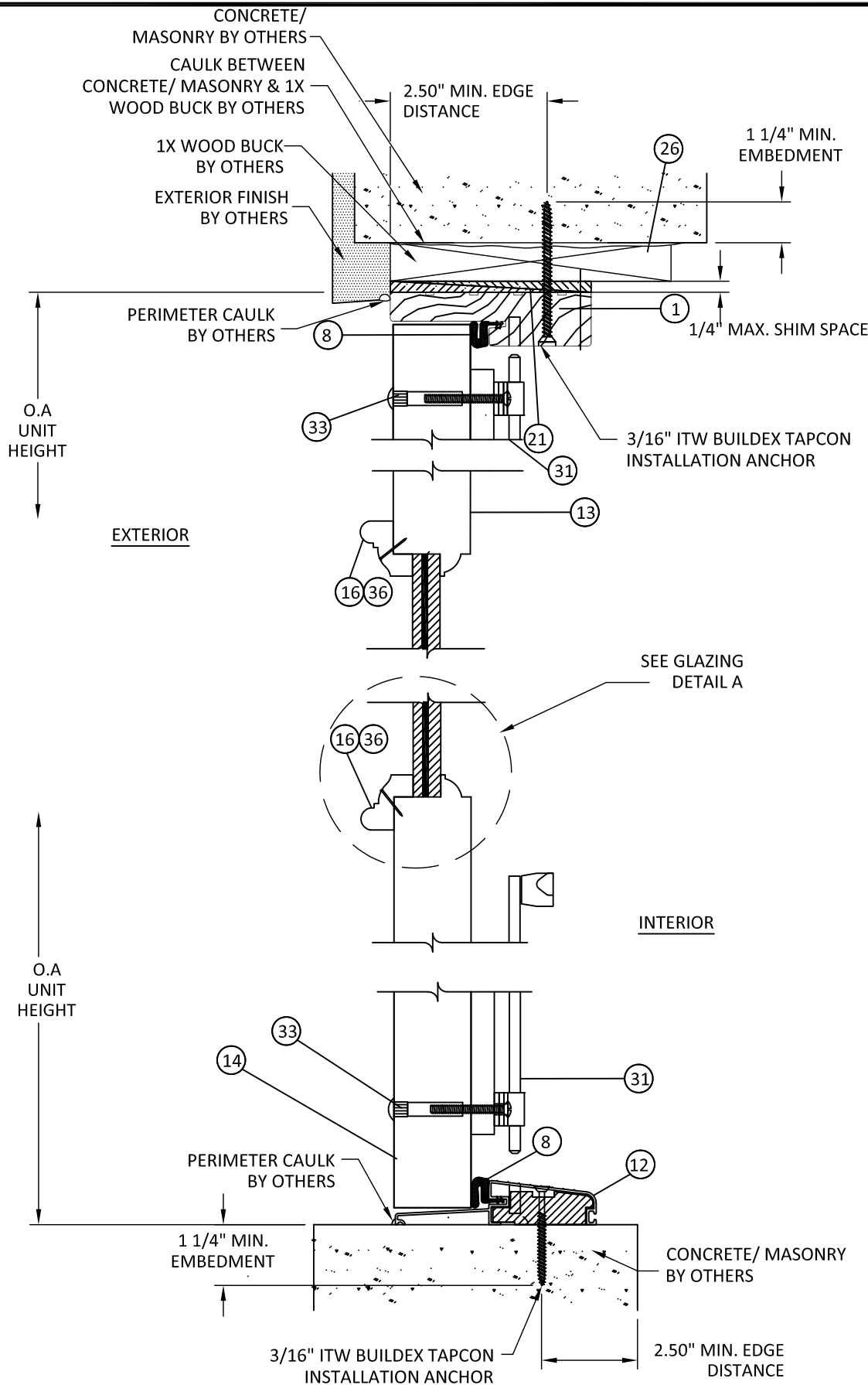
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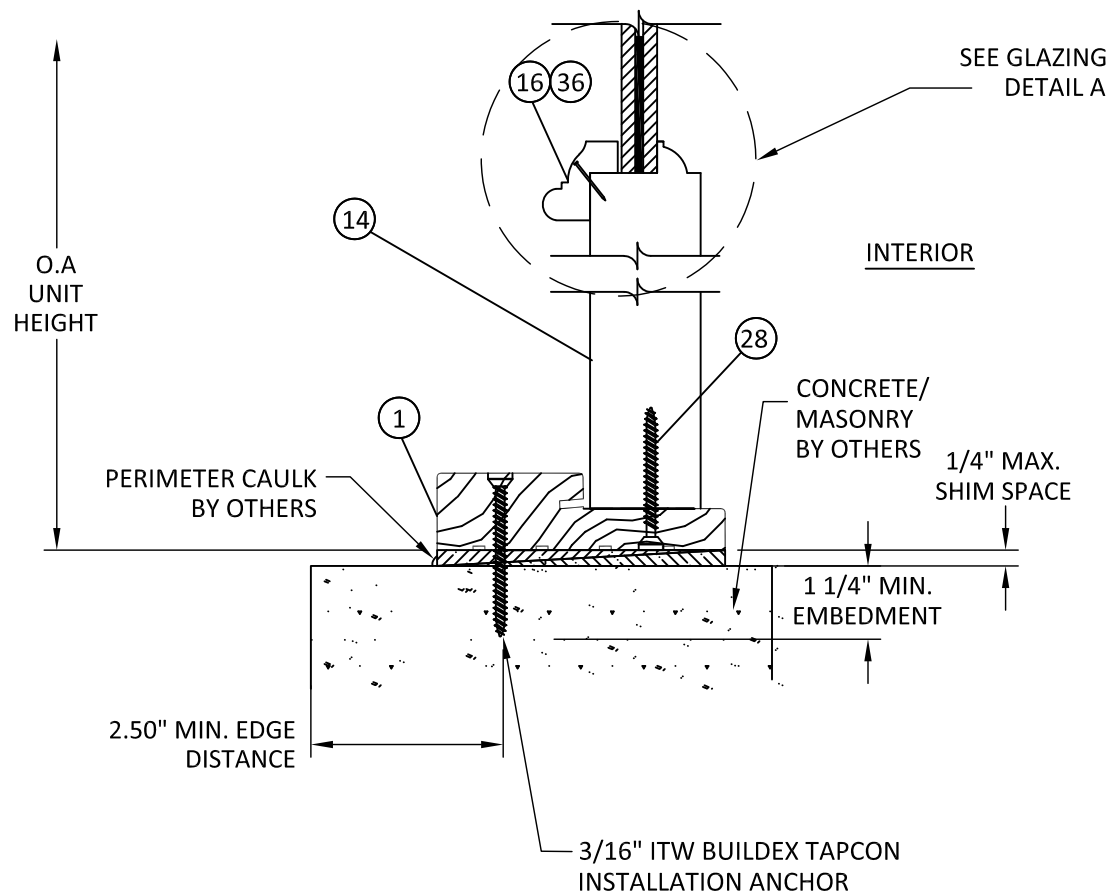
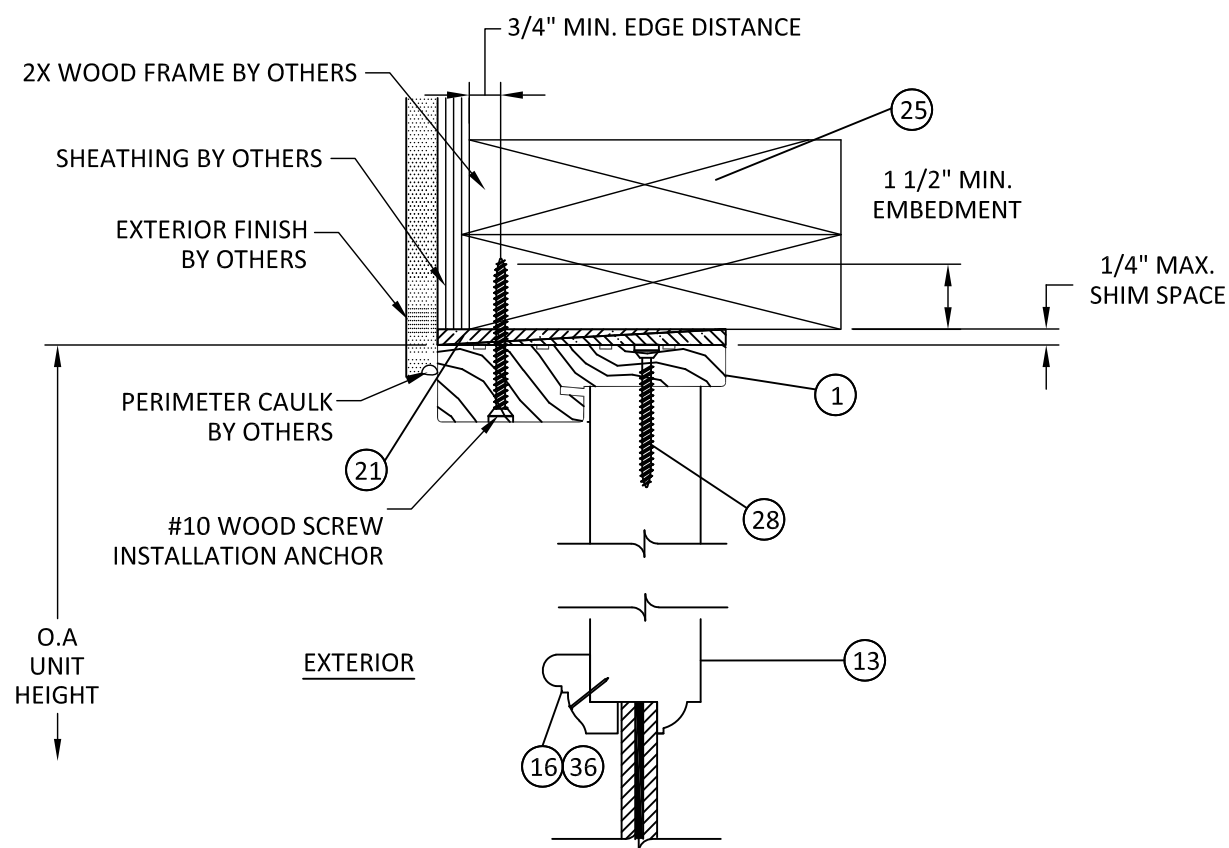
A
3 VERTICAL SECTION
INSWING ACTIVE DOOR TYP.



B
3 VERTICAL SECTION
OUTSWING ACTIVE/INACTIVE DOOR TYP.

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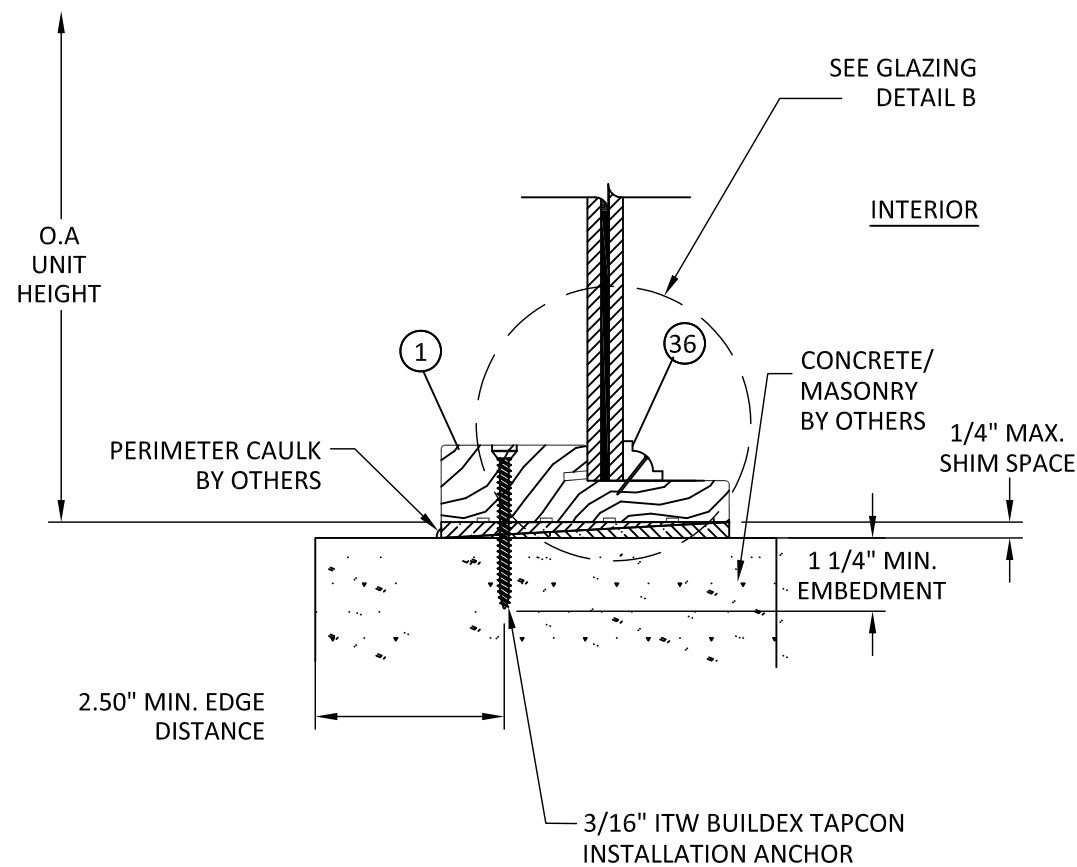
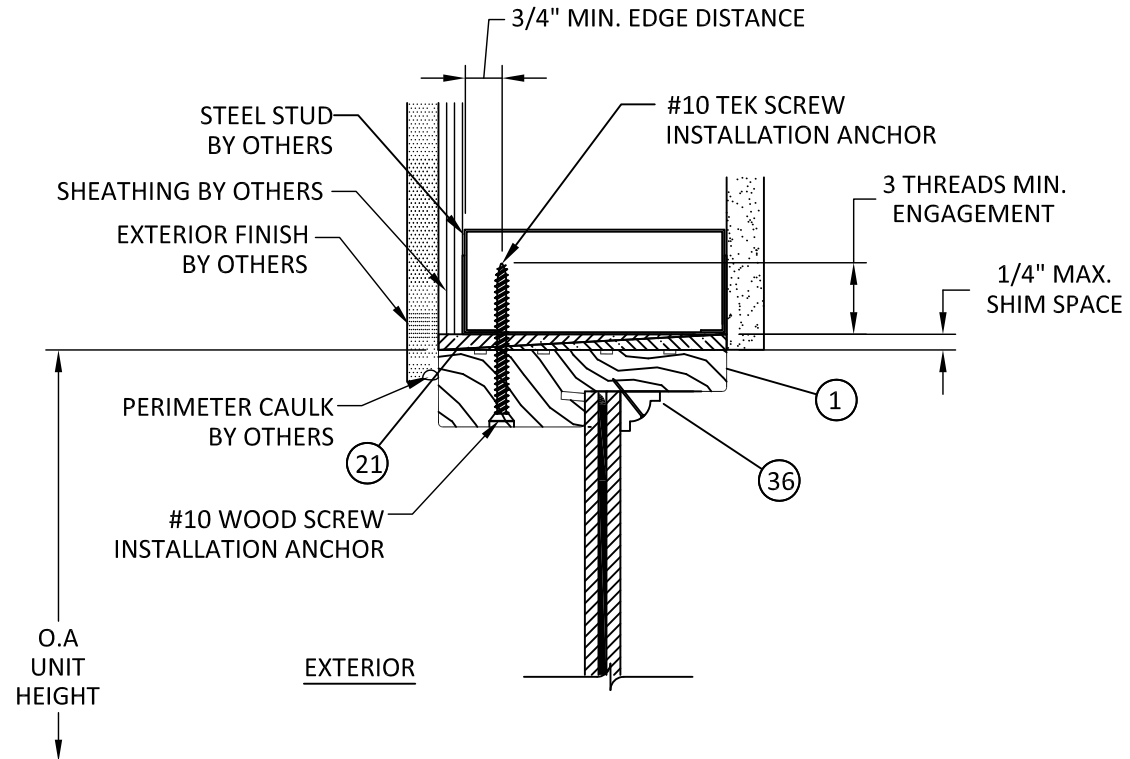
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C
4

VERTICAL SECTION

INSWING FIXED SASH SIDELITE TYP.



D
4

VERTICAL SECTION

INSWING DIRECT SET SIDELITE TYP.



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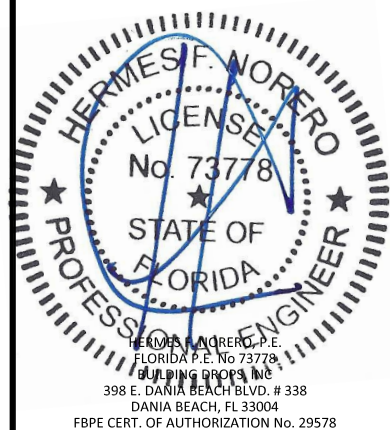
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STEEL E.D. ADDED	SM	12.19.17

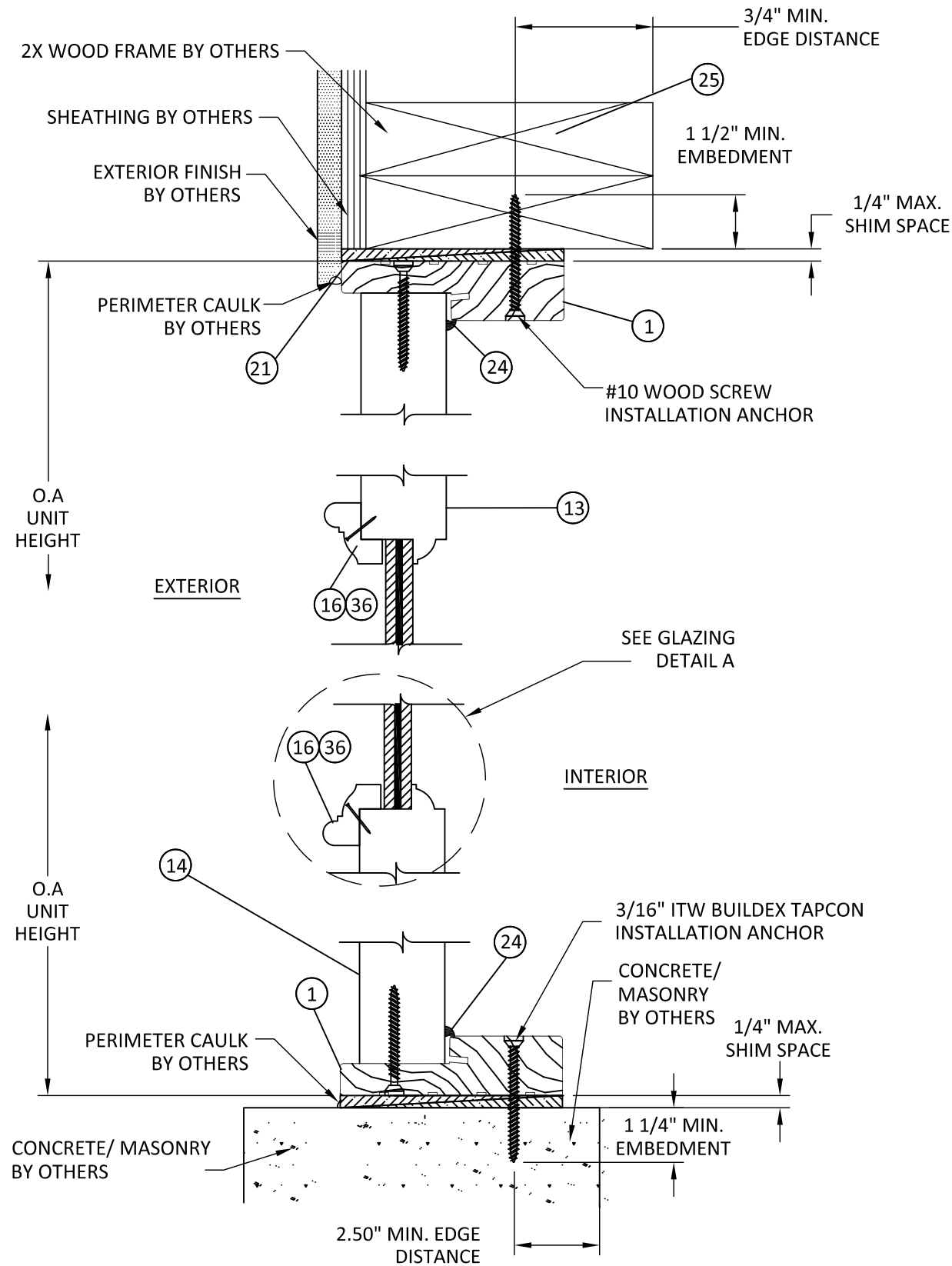
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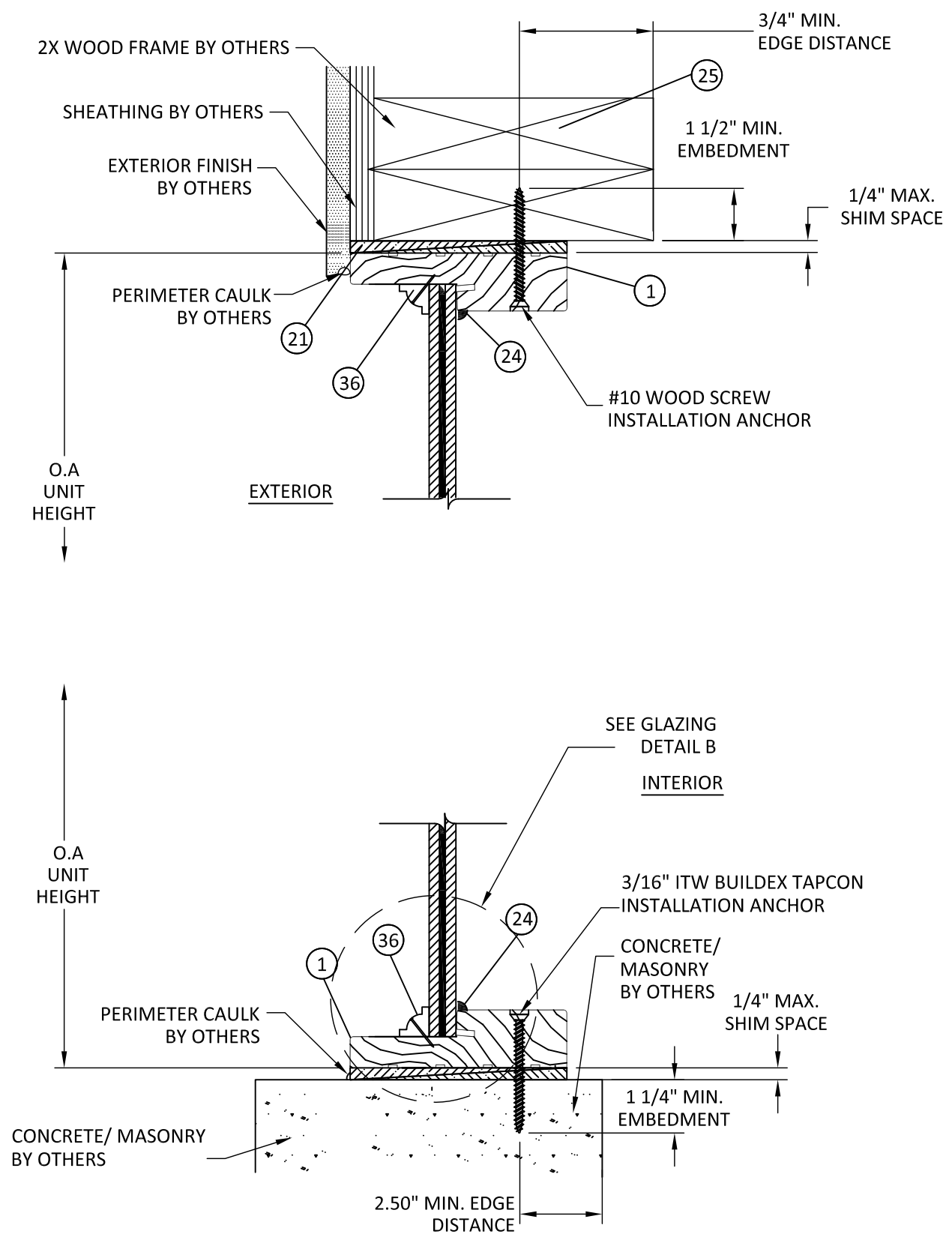
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E
5 **VERTICAL SECTION**
OUTSWING FIXED SASH SIDELITE TYP.



F
5 **VERTICAL SECTION**
OUTSWING DIRECT SET SIDELITE TYP.



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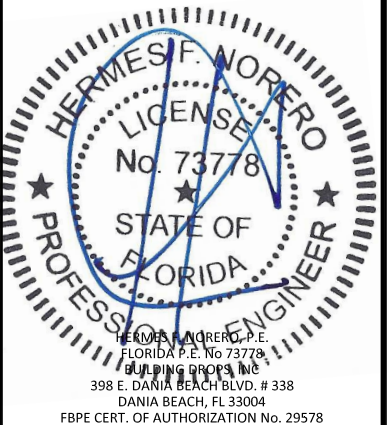
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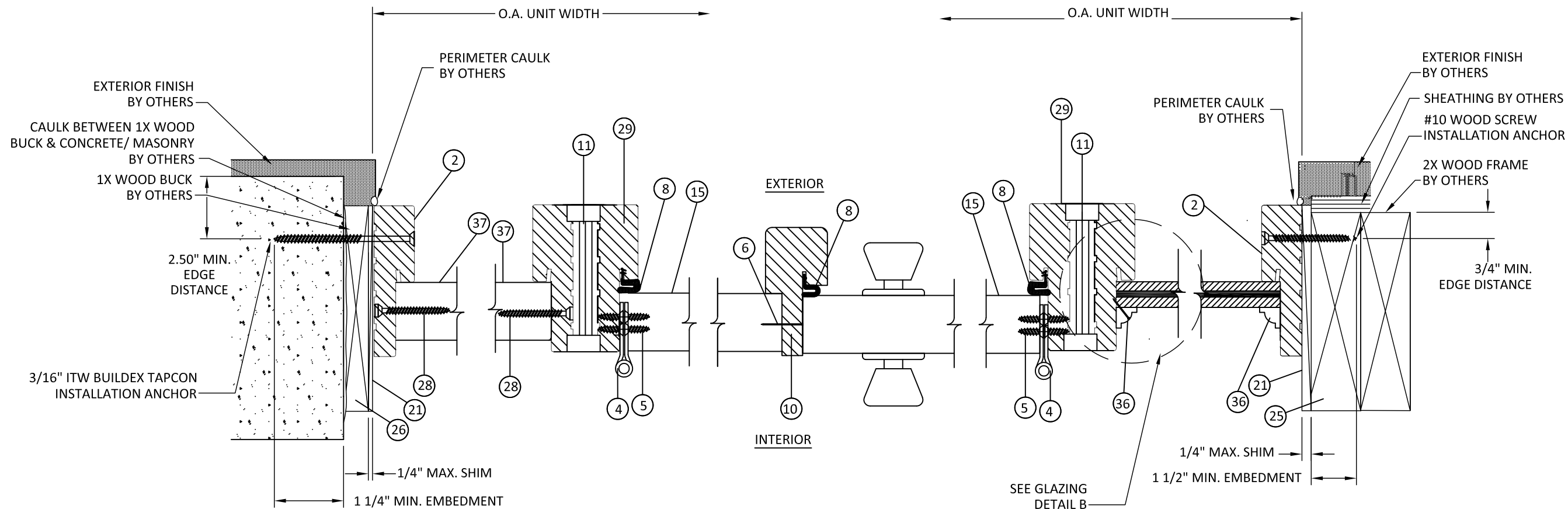
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G
6 **HORIZONTAL SECTION**
INSWING



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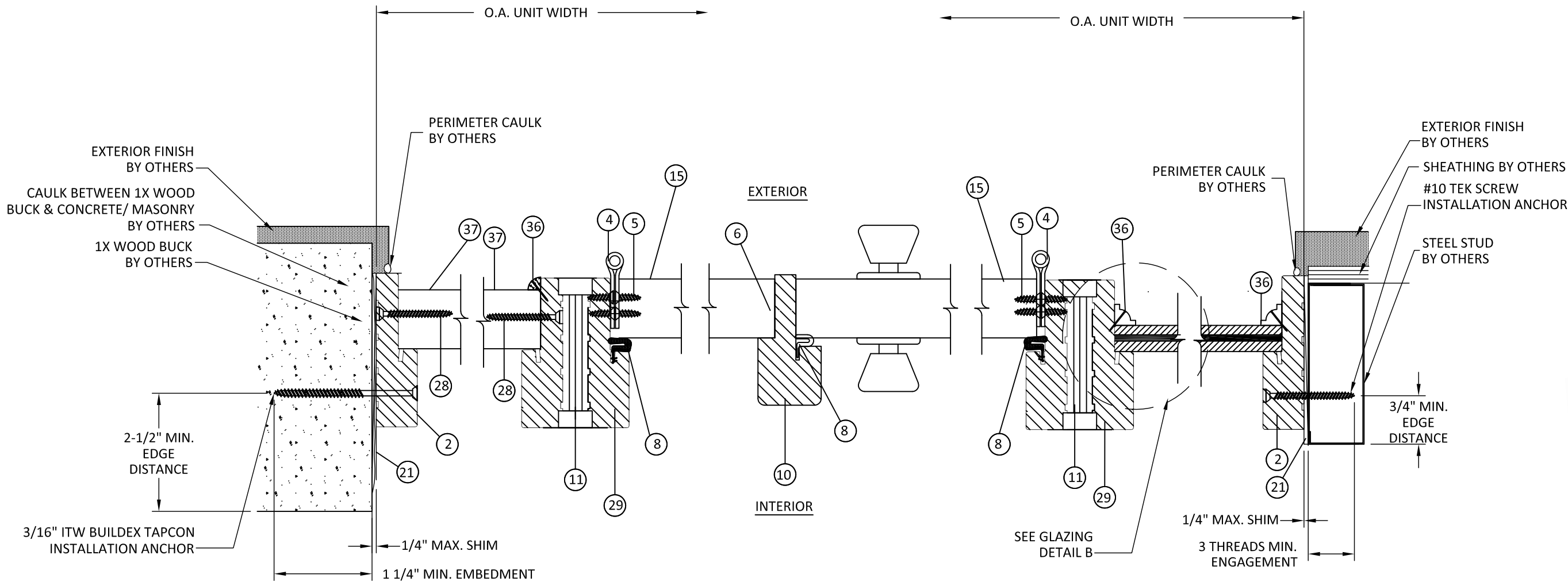
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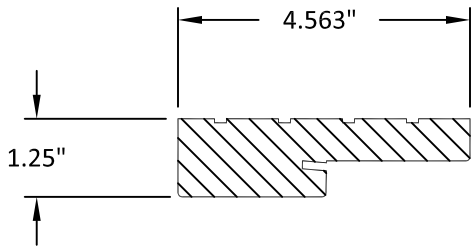


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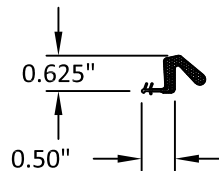
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OUTSWING

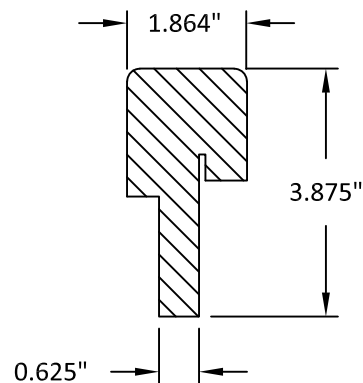
1 FRAME HEAD



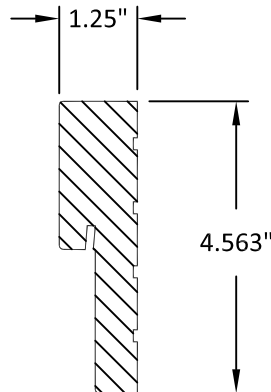
8 COMPRESSION WEATHERSTRIP QDS-650



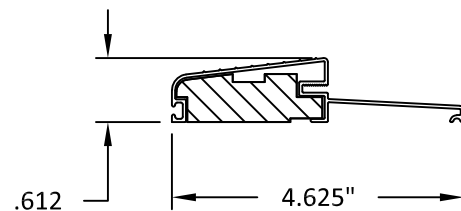
10 ASTRAGAL



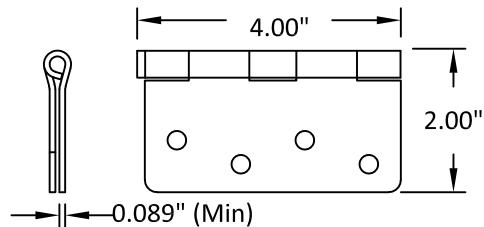
2 SIDELIGHT JAMB



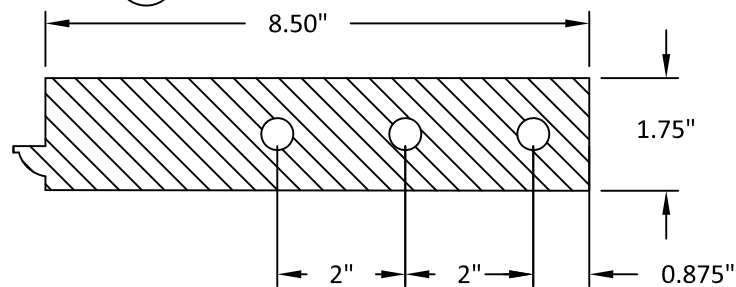
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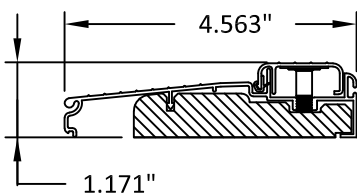
4 BUTT HINGE
12 GA. STEEL



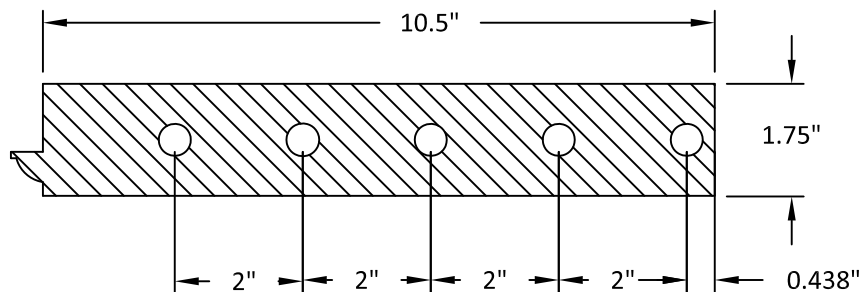
13 TOP RAIL



9 INSWING THRESHOLD



14 BOTTOM RAIL



Item	DESCRIPTION	Material
1	FRAME HEAD	WOOD
2	SIDELITE JAMB	WOOD
3	#10 PHILLIPS FLATHEAD WOOD SCREW WITH 1 1/2" MIN. EMBEDMENT	STEEL
4	4" x 4" BUTT HINGE 12GA. (.089" MIN)	STEEL
5	#12 x 1 1/4" PHILLIPS FLATHEAD WOOD SCREW	STEEL
6	16G x 1 1/4" BRAD TRIM NAIL	STEEL
7	3/16" ITW BUILDDEX TAPCON WITH 1 1/4" MIN. EMBEDMENT	STEEL
8	COMPRESSION WEATHERSTRIP (LoxSeal 9650)	FOAM
9	INSWING THRESHOLD	ALUMINUM
10	ASTRAGAL	WOOD
11	LVL FRAME REINFORCEMENT 3/4" x 5.375"	PLYWOOD
12	OUTSWING THRESHOLD	ALUMINUM
13	TOP RAIL	WOOD
14	BOTTOM RAIL	WOOD
15	SIDE RAIL	WOOD
16	GLASS/PANEL TRIM	WOOD
17	1.0" x 0.5" CORRUGATED FASTENER	STEEL
18	CORRUGATED NAIL 1/2" x 1-1/16"	STEEL
19	SCHLAGE F-300 SERIES PULL HANDLE	
20	SCHLAGE F-300 SERIES DEADBOLT	
21	NON-COMPRESSION SHIM	WOOD
22	INSWING VINYL DOOR BOTTOM SWEEP	VINYL
23	3/8" ROUNDED SCOTIA	WOOD
24	GLAZING COMPOUND SILICONE CAULK (DOW 995)	SILICONE
25	2x WOOD BUCK	PINE
26	OPTIONAL 1X WOOD BUCK	PINE
27	CORNER PADS 2", LOCATED AT THE BOTTOM OF EACH JAMB LEG SETTING ON TOP OF THE SILL, BEHIND THE WEATHERSTRIP	FOAM
28	#8 x 2 1/2" PHILLIPS WOOD SCREW	STEEL
29	DOUBLE BACK JAMB	WOOD
30	#8 x 2" PHILLIPS FLATHEAD WOOD SCREW	STEEL
31	IVES SURFACE BOLT #454 8.0" LG. X .25" THK	STEEL
32	ASTRAGAL BOLT	STEEL
33	SEX BOLT (OPTIONAL)	STEEL
34	IVES SURFACE BOLT STRIKE PLATE	STEEL
35	#8 X 3/4" LG FLATHEAD WOODSCREWS FOR STRIKE PLATE	STEEL
36	DIRECT SET GLAZING STOP	WOOD
37	SIDELITE RAIL	WOOD
38	RAISED PANEL	WOOD
39	EXTERIOR PANEL MOLDING	WOOD
40	#8 x 1" PHILLIPS FLATHEAD WOOD SCREW	STEEL

*WOOD QUALIFIED: MAHOGANY & BRAZILIAN OAK



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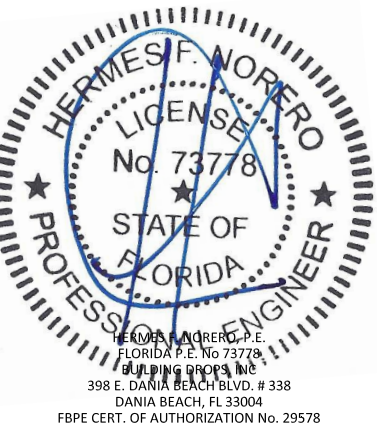
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CHK. BY: HFN

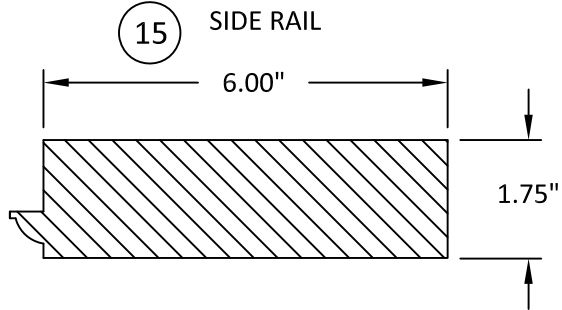
SCALE: NTS

DWG. #: ADL001

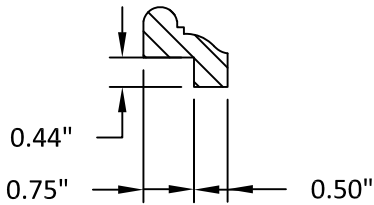
SHEET:

8

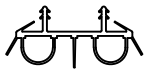
OF 9



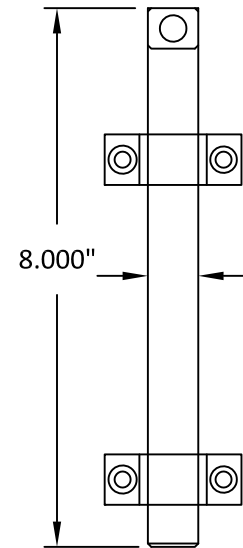
16 GLASS STOP/TRIM



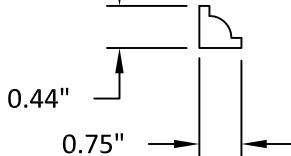
22 INSWING VINYL DOOR BOTTOM SWEEP



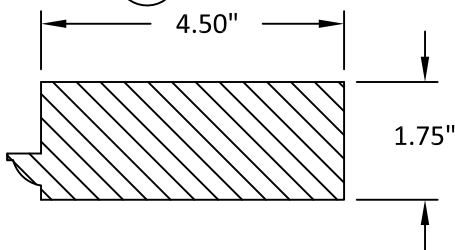
31 SURFACE BOLT



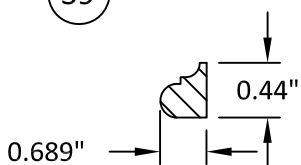
36 DIRECT SET GLAZING STOP



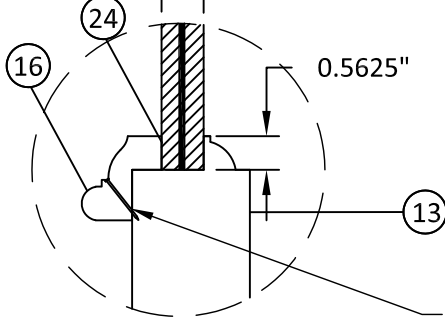
37 SIDELITE RAIL



39 EXT. PANEL MOLDING



0.5625" O.A. LAMINATED GLASS
CONSISTING OF:
0.25" ANNEALED GLASS
0.090" SAFLEX HP PVB INTERLAYER BY EASTMAN CHEMICAL COMPANY
0.25" ANNEALED GLASS

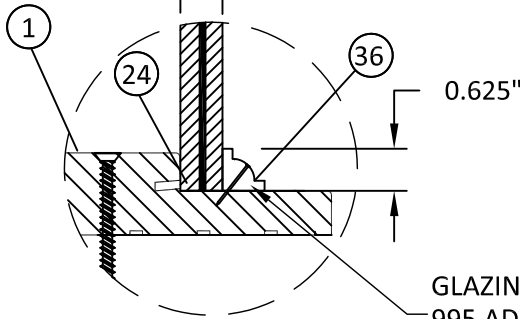


GLAZING DETAIL A

IMPACT RESISTANT

GLAZING STOP FASTENED BY DOW
995 ADHESIVE, AND 16g x 1 1/4"
BRAD TRIM NAILS @ 12" O.C.

0.5625" O.A. LAMINATED GLASS
CONSISTING OF:
0.25" ANNEALED GLASS
0.090" SAFLEX HP PVB INTERLAYER BY EASTMAN CHEMICAL COMPANY
0.25" ANNEALED GLASS



GLAZING DETAIL B

IMPACT RESISTANT

GLAZING STOP FASTENED BY DOW
995 ADHESIVE, AND 16g x 1 1/4"
BRAD TRIM NAILS @ 9" O.C.

NOTE:
GLASS THICKNESS AND TYPE COMPLY
WITH ASTM E 1300 GLASS CHART
REQUIREMENTS

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.L.O. MAY NOT EXCEED MAX DIMENSIONS SHOWN
ON ELEVATIONS



ARTISTIC DOORS AND LOCKS
108 S BAYVIEW BLVD
OLDSMAR, FL 34677
PH: (813) 855-6125 FX: (813) 855-0115

TITLE: GLAZED WOOD DOOR
INSWING/OUTSWING
(HVHZ) (IMPACT)

COMPONENTS & GLAZING DETAILS

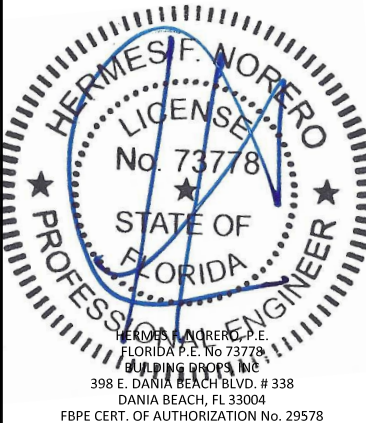
PREPARED BY: BUILDING DROPS, INC.

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

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 #:

FL13862

DATE: 11.02.17

DWG. BY: FM
CHK. BY: HFN

SCALE: NTS

DWG. #: ADL001

SHEET:

9

OF 9