

SIMPSON DOOR COMPANY

IMPACT SERIES 7001 IN/OUTSWING GLAZED WOOD DOORS

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL VOLUMES EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AT THE DESIGN PRESSURES STATED HEREIN.
- THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT(S) NO. CCLI-05-082, CCLI-05-083, CCLI-07-105 AND CCLI-07-106 AND ASSOCIATED LABORATORY DRAWINGS.
- 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 STRUCTURE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 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 ARCHITECT OR ENGINEER OF RECORD.
- 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, SITE SPECIFIC DOCUMENTS SHALL BE PREPARED FOR USE WITH THIS DOCUMENT.
- WHEN USED IN AREAS OUTSIDE OF THE HIGH VELOCITY HURRICANE ZONE (HVHZ) REQUIRING WIND BORNE DEBRIS PROTECTION, THIS PRODUCT COMPLIES WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL VOLUMES AND DOES NOT REQUIRE AN IMPACT RESISTANT COVERING. THIS PRODUCT MEETS MISSILE LEVEL "D" AND INCLUDES WIND ZONE 4 AS DEFINED IN ASTM E 1996 AS MODIFIED BY THE CURRENT EDITION OF THE FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL VOLUMES.
- MATERIALS
 - DOOR FRAME: PINE
 - PANEL CORE MATERIAL: WESTERN HEMLOCK OR DOUGLAS FIR
 - PANEL FACE VENEER: VARIABLE
 - HINGES: 4 X 4 BUTT
 - LATCH LOCK: TITAN KWIKSET
 - DEADBOLT: TITAN KWIKSET
 - SURFACE BOLTS: IVES #253B-8" BRASS
 - FLUSH BOLTS: IVES
 - ASTRAGAL: SIMPSON WOOD T-ASTRAGAL
 - THRESHOLD: ENDURA PRODUCTS INSWING ADJUSTABLE #ZAI5625
 - THRESHOLD: ENDURA PRODUCTS OUTSWING #ZFOB5625
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e1 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAIL.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING (AS APPLICABLE):
 - X: OPERABLE PANEL
 - O: FIXED PANEL

DESIGN PRESSURE RATING (PSF)	IMPACT RATING
+52.5/-52.5 (SEE BELOW)	LARGE MISSILE

IN AREAS WHERE WATER INFILTRATION REQUIREMENTS EXIST, DOORS MUST BE INSTALLED UNDER AN APPROVED OVERHANG AS PRESCRIBED BY THE CURRENT EDITION FBC AND FRC.

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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. IN ADDITION TO THE INSTALLATION ANCHORS SHOWN, TWO (2) INSTALLATION ANCHOR IS REQUIRED IN EACH HINGE. LOCATE HINGE ANCHORS IN THE OUTERMOST HOLES OF THE HINGE LEAF INTO THE HINGE JAMB.
- ANCHORS ARE TO MATCH TYPE, SIZE, EDGE DISTANCE AND EMBEDMENT OF THOSE SHOWN IN THE INSTALLATION ANCHOR SCHEDULE ON THIS SHEET FOR THE RESPECTIVE SUBSTRATE.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM SIZE IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 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. DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.
- 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. ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED IN THE INSTALLATION ANCHOR SCHEDULE ON THIS SHEET.

INSTALLATION ANCHOR SCHEDULE							
SUBSTRATE	HEAD TYPE	SIZE	MANUFACTURER AND/OR SPECIFICATION	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	MIN. SPACING (IN)	CAPACITIES BASED ON
CONCRETE (HEAD)	FLAT HEAD	1/4"	ITW TAPCON (2)	1 1/2	1 1/2	3	MIN. 2000 PSI CONCRETE BUT NOT LESS THAN THAT REQUIRED BY BUILDING CODE
			Elco Ultracon	1 3/8	1	4 1/16	MIN. 2500 PSI CONCRETE BUT NOT LESS THAN THAT REQUIRED BY BUILDING CODE
CONCRETE (SILL)	FLAT HEAD	1/4"	ITW TAPCON (2)	1 1/2	1 1/2	3	MIN. 2000 PSI CONCRETE BUT NOT LESS THAN THAT REQUIRED BY BUILDING CODE
			Elco Ultracon	1 3/8	1	4 1/16	MIN. 2500 PSI CONCRETE BUT NOT LESS THAN THAT REQUIRED BY BUILDING CODE
MASONRY (BLOCK/CMU) (JAMBS)	FLAT HEAD	1/4"	ITW TAPCON (2)	1	2	3	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT DENSITY > 117 PCF
			Elco Ultracon	1 3/8	1	4 1/16	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT
WOOD (HEAD, SILL, JAMBS) (1)	FLAT HEAD	No. 12	ANSI B18.6.1 (WOOD SCREW) ASME B18.6.4 (TAPPING SCREW)	1 3/8	7/8	7/8	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42

NOTES:

- FOR WOOD AND TAPPING SCREWS IF SPLITTING IS A CONCERN, DRILL 3/32" PILOT HOLE FOR WOOD FRAME INSTALLATION.
- WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.

PROJECT NO. 415-0307

	JBH	TJH	RJA	BY
	04/14/15	05/08/12	05/25/11	DATE
UPDATE TO 5th EDITION (2014) FBC				
UPDATE TO 2010 FBC				
ADD GLAZING DETAILS				
REV				DESCRIPTION

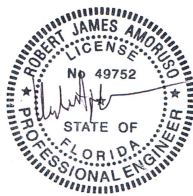
SIMPSON DOOR COMPANY
400 W. SIMPSON AVENUE
McCLEARY, WASHINGTON 98557

TITLE: IMPACT SERIES 7001 INSWING GLAZED WOOD DOORS
GENERAL AND INSTALLATION NOTES

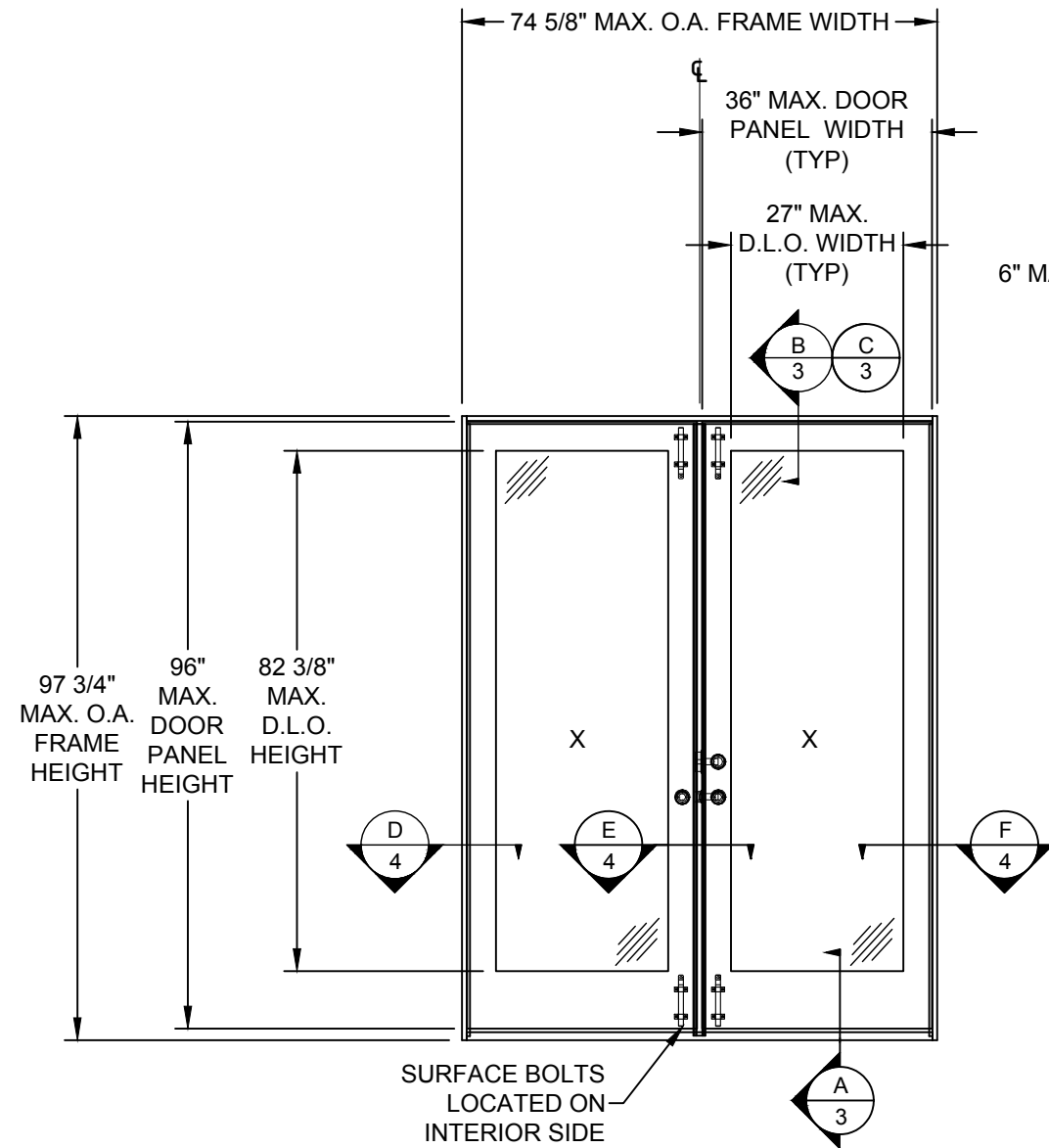
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SCALE: N.T.S.	DRAWING NO: SIMP0008
REV: C	SHEET: 1 OF 4

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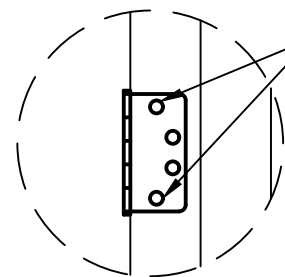
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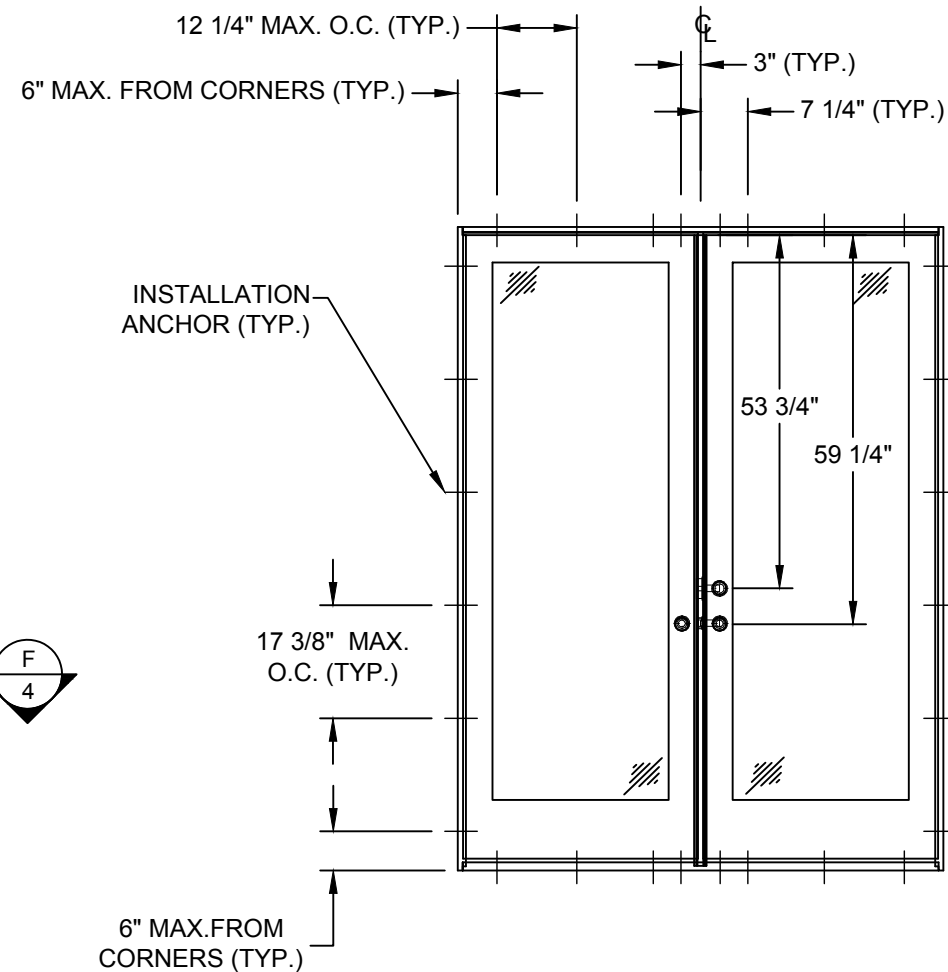


ELEVATION
EXTERIOR VIEW

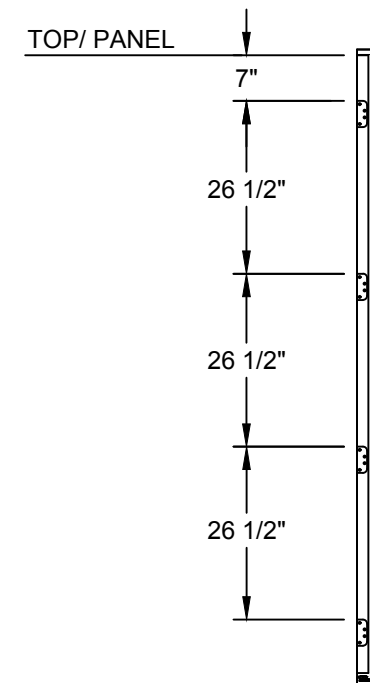


INSTALLATION
ANCHORS

NOTE: LOCATE TWO (2) INSTALLATION
ANCHORS THRU EACH HINGE
(ONE (1) ON UPPER AND LOWER HOLES)



ANCHOR LAYOUT
EXTERIOR VIEW
(SEE INSTALLATION NOTE 2)

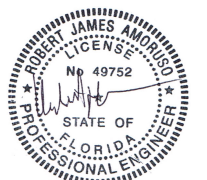


**HINGE JAMB
ELEVATION**

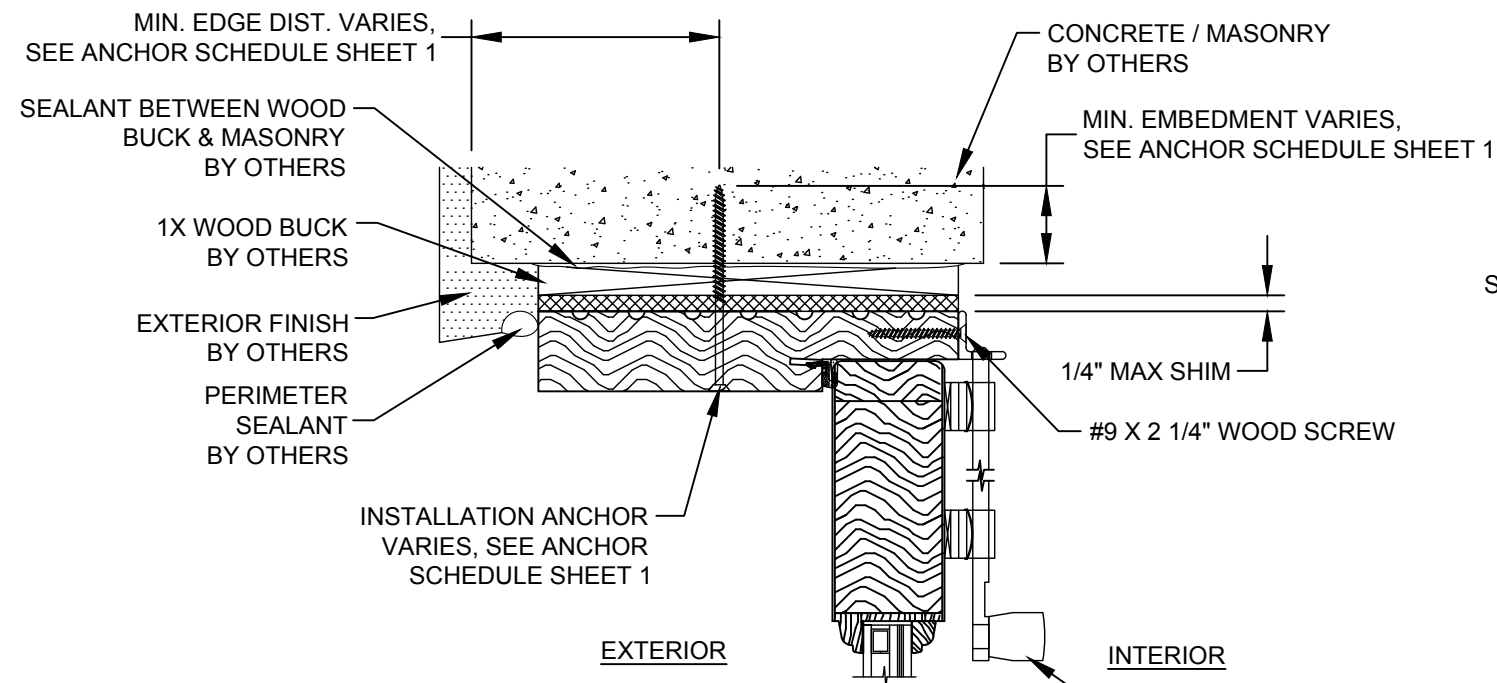
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C	UPDATE TO 5th EDITION (2014) FBC	04/14/15	05/08/12	05/25/11	DATE
B	UPDATE TO 2010 FBC			ADD GLAZING DETAILS	DESCRIPTION
A					REV

SIMPSON DOOR COMPANY 400 W. SIMPSON AVENUE McCLEARY, WASHINGTON 98557		DATE: 01/07/09		DRAWING NO: SIMP0008		SHEET: 2 OF 4	
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PREPARED BY:		PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 25935		Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com			

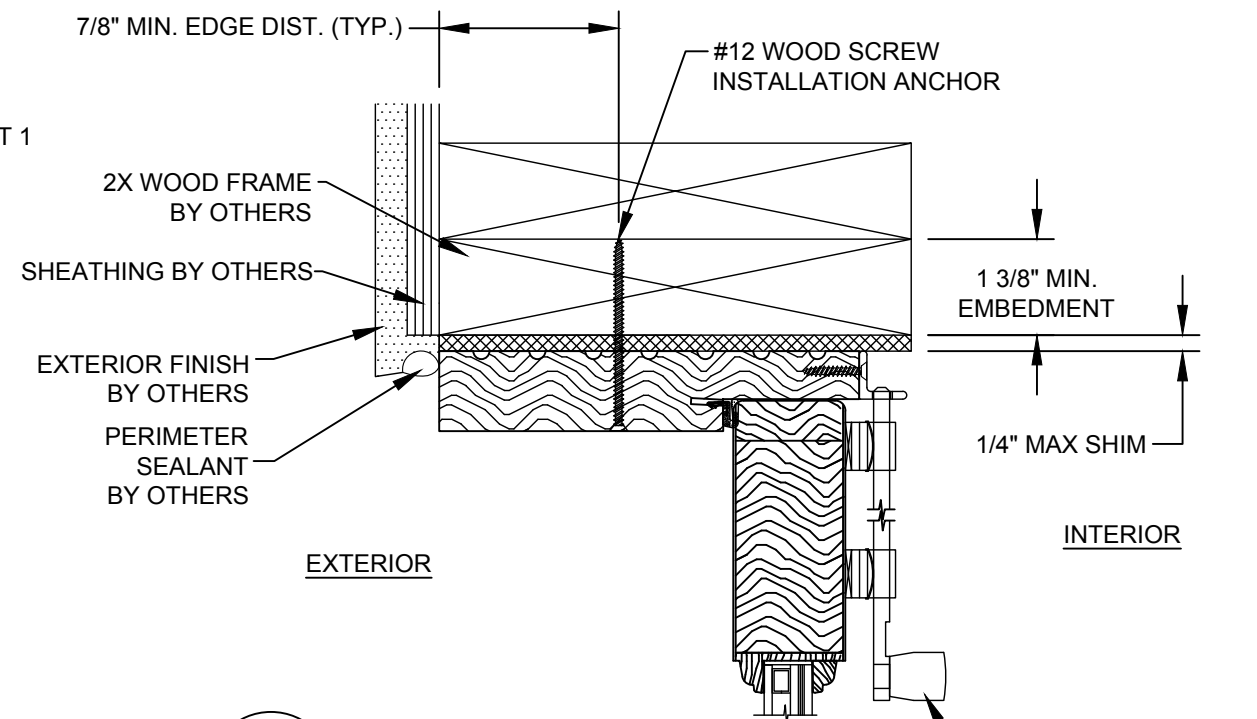
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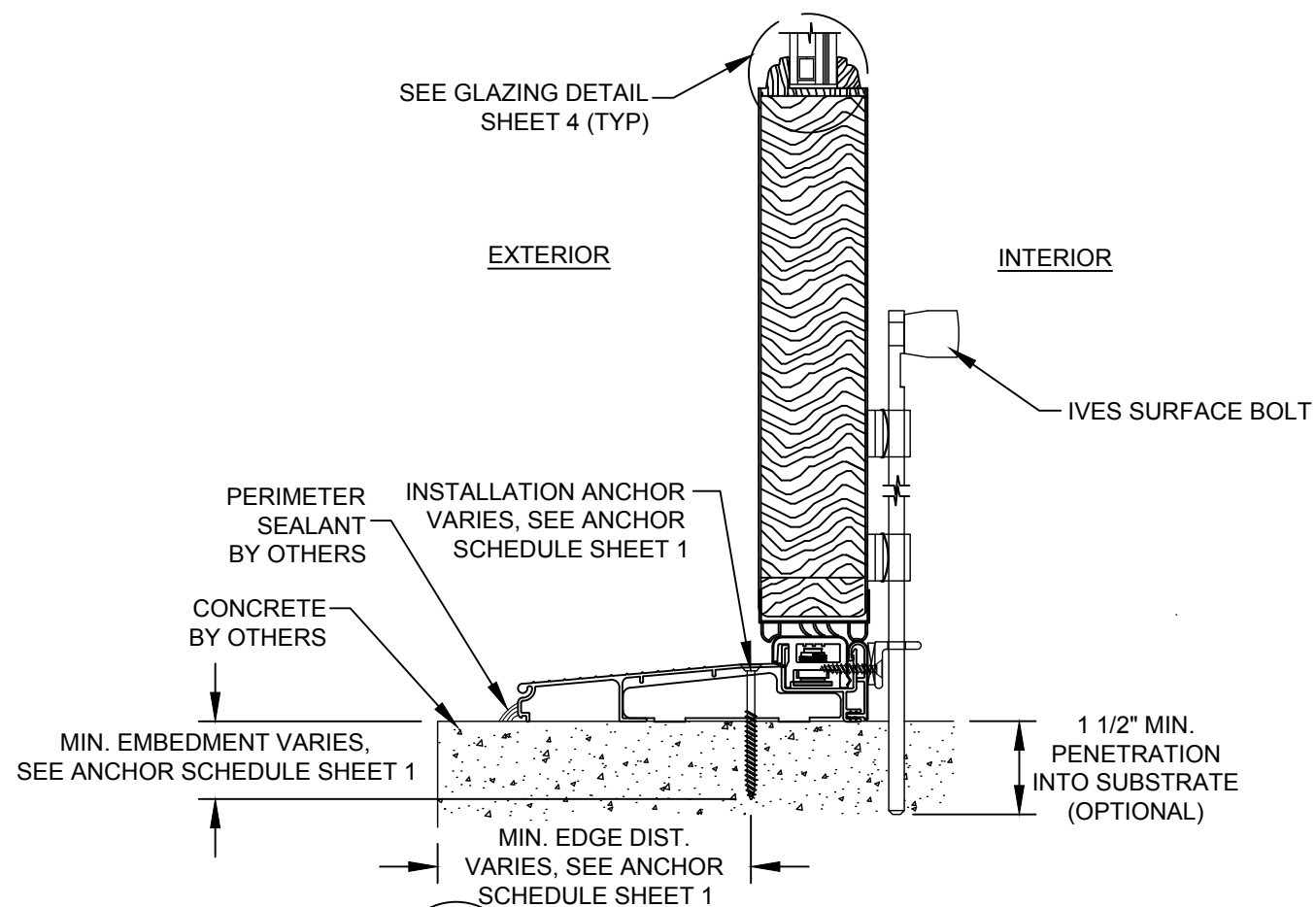
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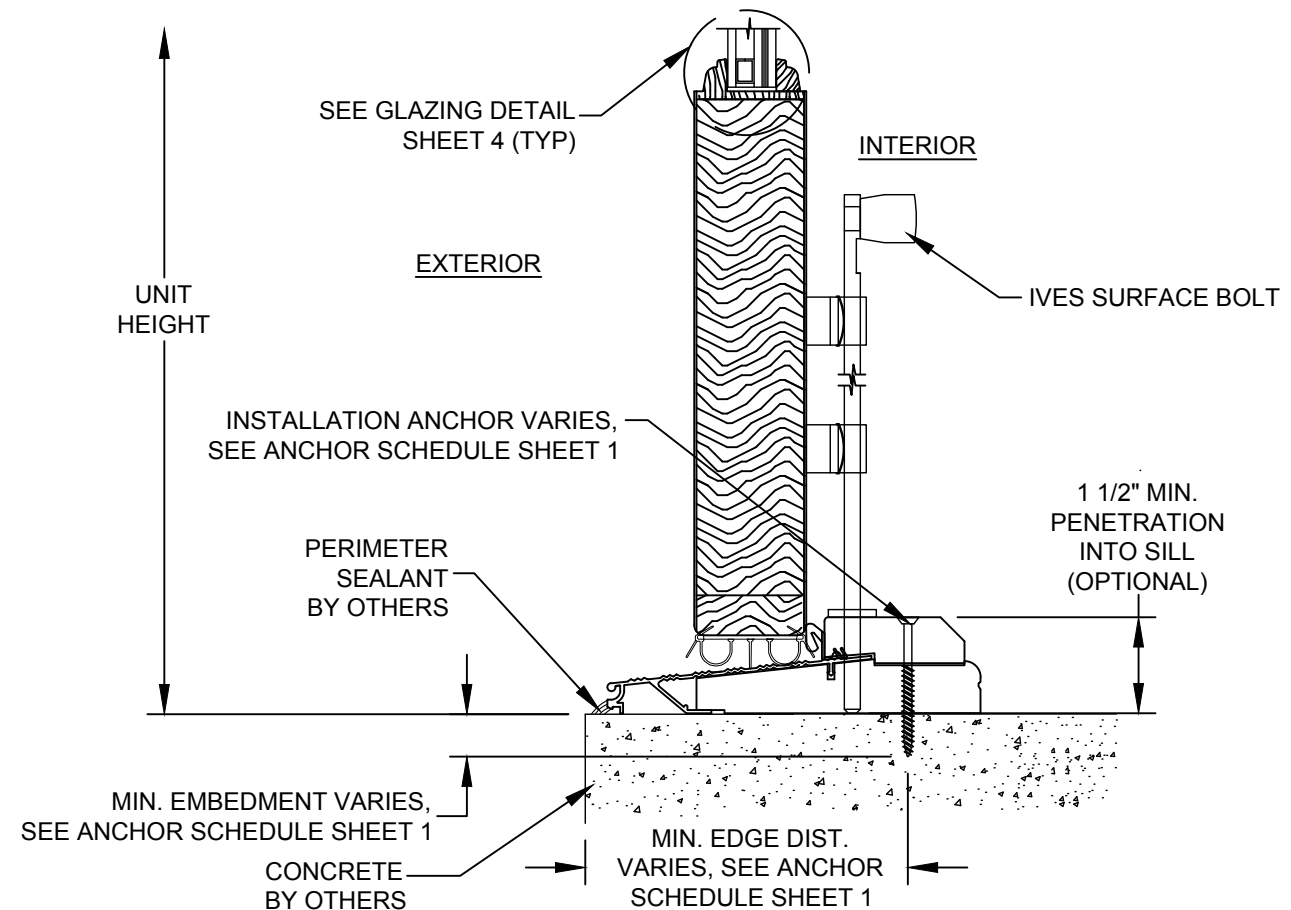
B **VERTICAL SECTION**
CONCRETE / MASONRY SUBSTRATE
INSWING SHOWN, OUTSWING REVERSED



C **VERTICAL SECTION**
WOOD SUBSTRATE
INSWING SHOWN, OUTSWING REVERSED



A **VERTICAL SECTION**
INSWING SILL
CONCRETE SUBSTRATE



A **VERTICAL SECTION**
OUT-SWING SILL
CONCRETE SUBSTRATE

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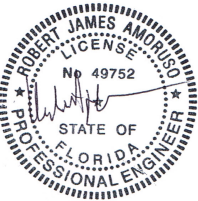
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VERTICAL SECTIONS & GLAZING DETAIL

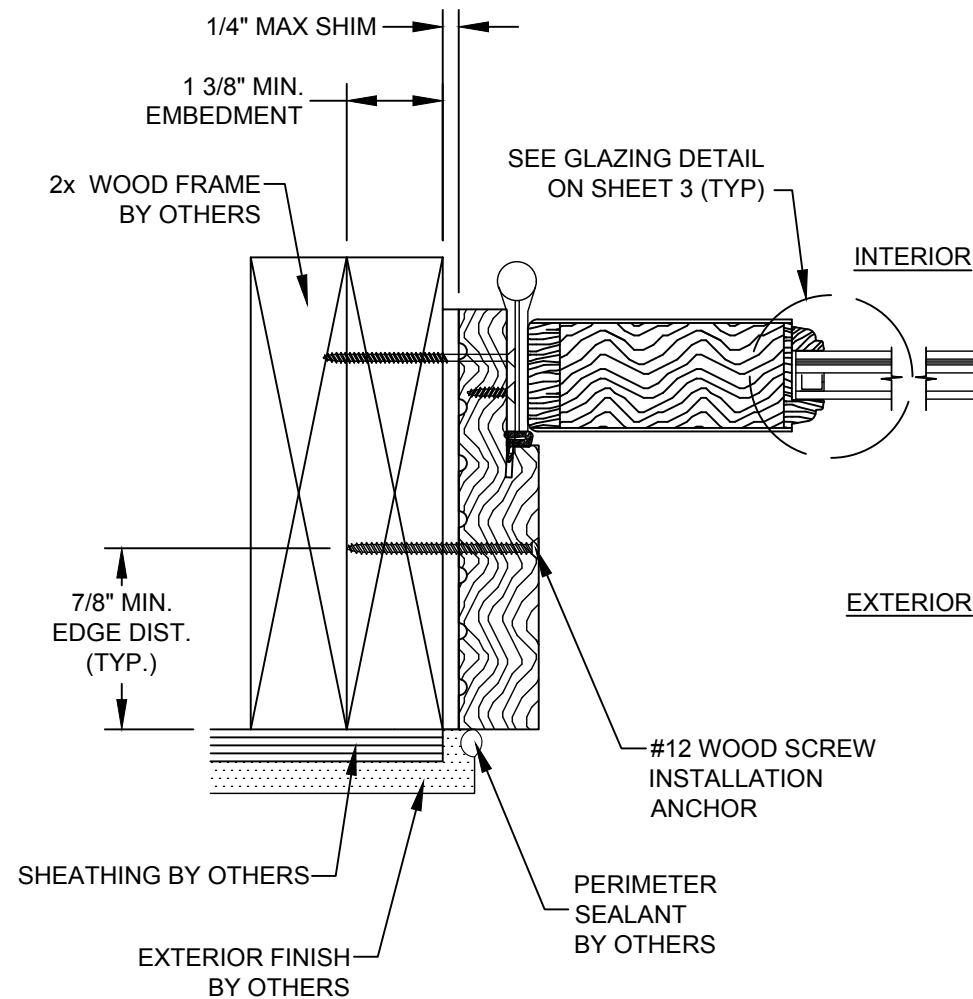
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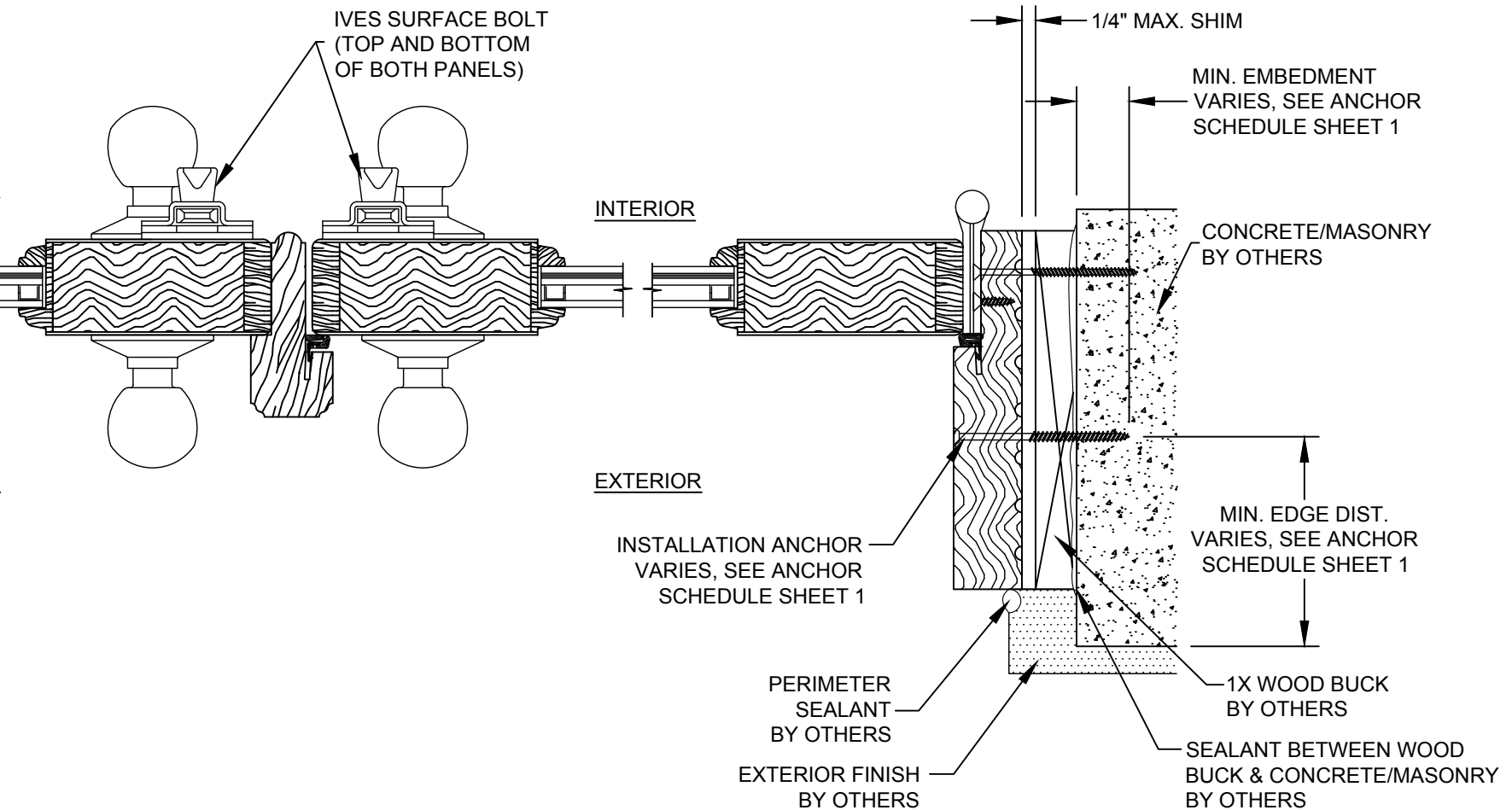
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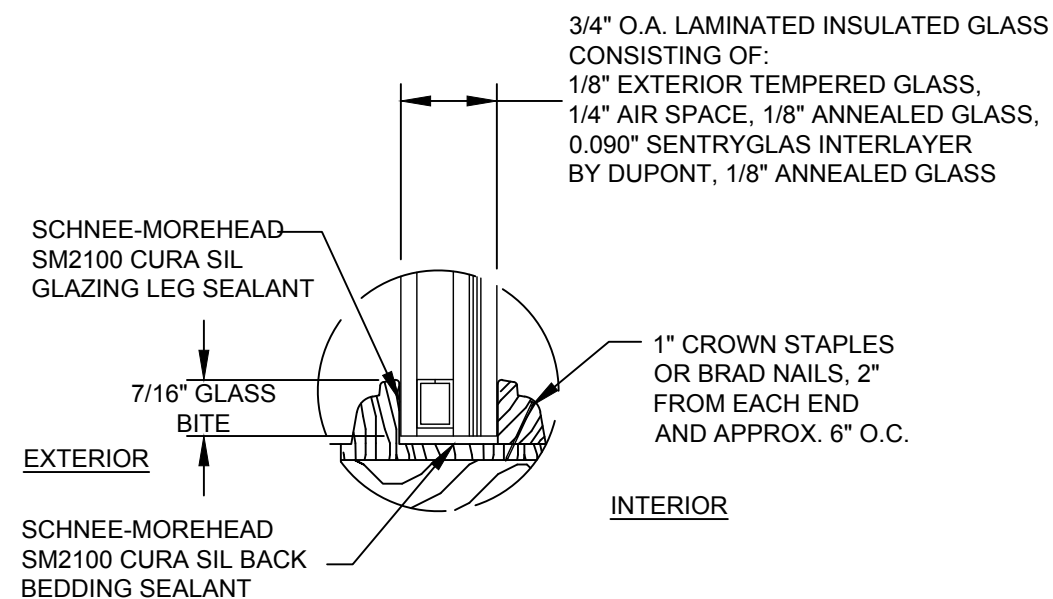


D HORIZONTAL SECTION
WOOD SUBSTRATE
INSWING SHOWN, OUTSWING REVERSED



E HORIZONTAL SECTION
ASTRAGAL
INSWING SHOWN, OUTSWING REVERSED

F HORIZONTAL SECTION
CONCRETE / MASONRY SUBSTRATE
INSWING SHOWN, OUTSWING REVERSED

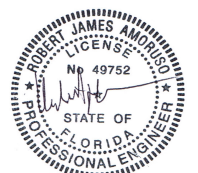


GLAZING DETAIL

PROJECT NO. 415-0307		JBH	TJH	RJA	BY
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C	B	A	REV	DESCRIPTION	

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TITLE: IMPACT SERIES 7001 INSWING GLAZED WOOD DOORS HORIZONTAL SECTIONS		DRAWN BY:	SMC
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SHEET:		4 OF 4	

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