SIMPSON DOOR COMPANY GLAZED & OPAQUE I.S. EXTERIOR WOOD DOORS INSTALLATION ANCHORAGE DETAILS

SHEET

GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE AND 2018 INTERNATIONAL RESIDENTIAL CODE AT THE DESIGN PRESSURES STATED HEREIN.
- THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT(S) NO. CCLI-10-115 AND ASSOCIATED LABORATORY DRAWINGS.
- 3. 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.
- THESE DOOR ASSEMBLIES DO NOT SATISFY THE TEXAS DEPARTMENT OF INSURANCE'S CRITERIA FOR PROTECTION FROM WINDBORNE DEBRIS. THESE DOOR ASSEMBLIES WILL NEED TO BE PROTECTED WITH AN IMPACT PROTECTIVE SYSTEM WHEN INSTALLED IN AREAS WHERE WINDBORNE DEBRIS PROTECTION IS REQUIRED.
- 7. MATERIALS AND COMPONENTS:
- DOOR FRAME: PINE
- PANEL CORE MATERIAL: WESTERN HEMLOCK OR DOUGLAS FIR
- PANEL FACE VENEER: VARIABLE
- 7.4. HINGES: 4 X 4 BUTT
- 7.5. LATCH & DEADBOLT: KWIKSET SERIES 740 LOCKSET W/KWIKSET SERIES 980 DEADBOLT.
- LATCH & DEADBOLT: SCHLAGE F SERIES HANDLE SET W/SCHLAGE B60 DEADBOLT. 7.6.
- MULIT-POINT LOCKING HARDWARE: W & F MULTI-POINT TRILENNIUM 3000 SERIES. 77
- 7.8. SURFACE BOLTS: IVES #253B BRASS.
- ASTRAGAL: ENDURA ULTIMATE ALUMINUM ASTRAGAL.
- THRESHOLD: ENDURA PRODUCTS ALUMINUM INSWING ADJUSTABLE #ZAI5625
- THRESHOLD: YOUNG MFG. ALUMINUM/OAK INSWING.
- THRESHOLD: ALUMINUM INSWING ADA SILL
- APPROVED CORNER CONSTRUCTION
- WOOD DOWEL SERIES
- MORTISE AND TENON SERIES
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300-12AE1 GLASS CHARTS. SEE SHEET 7 FOR GLAZING DETAIL. QUALIFIED GLAZING INCLUDES:
- 1/8" TEMPERED GLASS
- 3/4" O.V. INSULATING GLASS CONSISTING OF 1/8" TEMPERED GLASS x 1/2" AIR SPACE x
 - 1 /8" TEMPERED GLASS
- 10. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING (AS APPLICABLE):
- 10.1. X: OPERABLE PANEL
- 10.2. O: FIXED PANEL

INSTALLATION NOTES:

- 1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- 2. 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 ANCHORS ARE REQUIRED IN EACH HINGE. LOCATE HINGE ANCHORS IN THE TOP HOLE OF EACH HINGE LEAF INTO THE HINGE JAMB. ANCHORS ARE TO MATCH TYPE AND EMBEDMENT OF THOSE SHOWN HEREIN FOR RESPECTIVE SUBSTRATE.
- 3. 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.
- 4. FOR INSTALLATION INTO WOOD FRAMING. USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT.
- 5. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE / MASONRY, OR DIRECTLY INTO CONCRETE / MASONRY, USE 3/16 INCH ITW ADVANCED THREADFORM TECHNOLOGY TAPCONS OR EQUAL OF SUFFICIENT LENGTH TO ACHIEVE 1 INCH MINIMUM EMBEDMENT FOR CMU BLOCK AND 1 1 /2 INCH MINIMUM EMBEDMENT FOR CONCRETE.
- 6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING).
- 7. FOR CONCRETE 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.
- 8. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

DESIGN PRESSURE RATING (PSF)

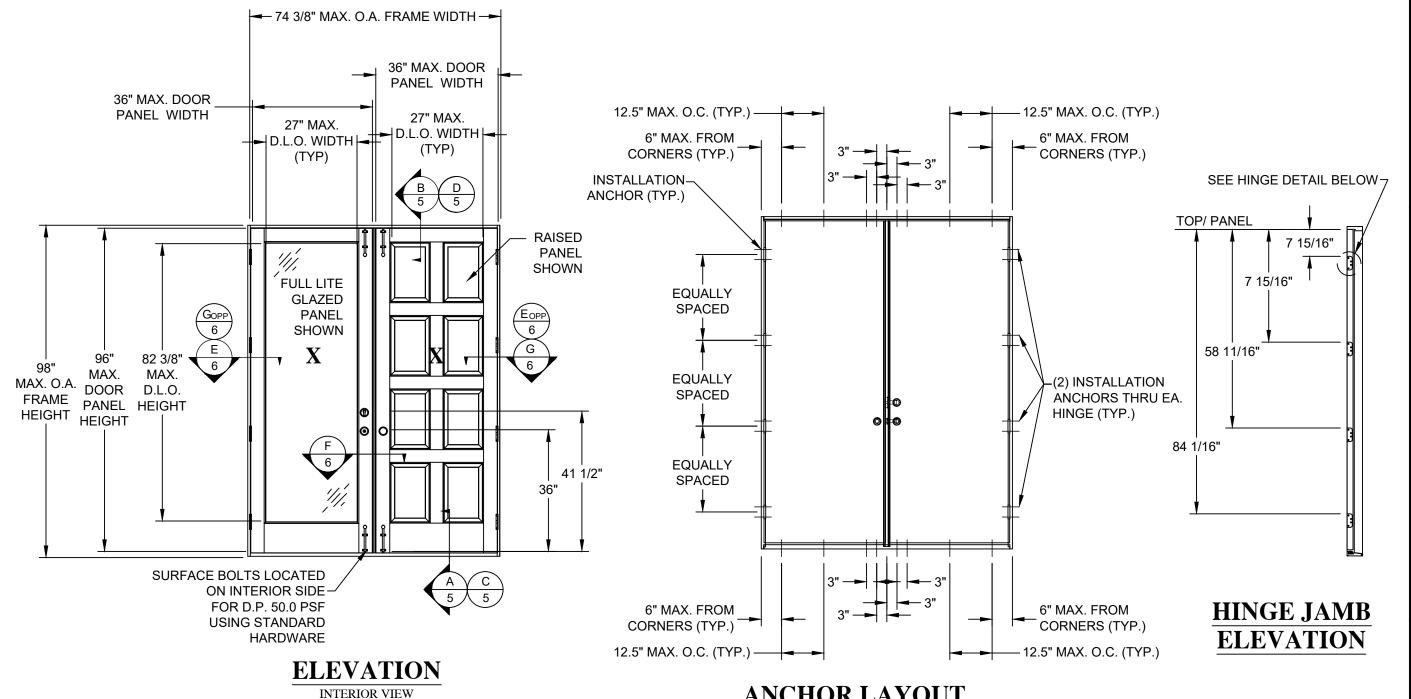
WHERE WATER INFILTRATION

- A. WOOD MINIMUM SPECIFIC GRAVITY OF 0.42.
- B. CONCRETE MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
- C. MASONRY STRENGTH CONFORMANCE TO ASTM C-90.

			MAXIMUM SIZE		REQUIREMENT	NOT NEEDED
			OF DOORS		SURFACE BOLTS TANDARD LOCKS	W/O SURFACE BOLTS W/STANDARD LOCKS
		6'-	2" x 8'-2" DOOR (XX)		±50.0 PSF	±35.0 PSF
		3'-1	1/2" x 8'-2" DOOR (X)		130.0 F 31	133.0 F31
	TABLE OF CONTENTS		DESIGN PRESSURE RATING (PSF)		N DDECCLIDE DATI	NO (DOE)
Г	SHEET DESCRIPTION				ING (PSF)	
T	GENERAL NOTES,INSTALLATION NOTES & D.P. CHART		WHERE WATER IF		TER INFILTRATION	

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GENERAL NOTES,INSTALLATION NOTES & D.P. CHART		WHERE WATER INFILTRATION		
ELEVATION AND ANCHOR LAYOUT	MAXIMUM SIZE	REQUIREMENT IS NOT NEEDED		
ANCHOR LAYOUT	OF DOORS	MULTI-POINT LOCK		
ANCHOR LAYOUT		WOLTH ONT LOOK		
VERTICAL SECTIONS & GLAZING DETAIL	GLOW WOLD DOOD (XX)			
HORIZONTAL SECTIONS	6'-2" x 8'-2" DOOR (XX)	+40.0 PSF		
BILL OF MATERIALS AND GLAZING	3'-1 1/2" x 8'-2" DOOR (X)	170.01 01		
TYPICAL APPROVED PANEL CONFIGURATIONS				

DO NOSAMIS	SIMPSON DOOR COMPANY		ב	000 IPCT: #740 4440	c	
400 W. SIMP	400 W. SIMPSON AVENUE		בֿ	100E01.#419-111	7	
McCLEARY, WASHINGTON 98557	SHINGTON 985	57				
TITLE: GLAZED. & OP,	GLAZED. & OPAQUE WOOD DOORS	OORS				
GENERAL AND INSTALLATION NOTES	STALLATION NO	TES				
PREPARED BY:	DRAWN BY:	DATE:				
	ΞF	05/31/12				-
	1101	21/15/00				H
	SCALE:	DRAWING NO:	,			
PTC PRODUCT DESIGN GROUP, LLC	S L	SIMP2060	∢	UPDATE FOR RE-EVALUATION	1026/21	
PO BOX 520775 Phone: 321 690 1788	.)	OH 1000				-
LONGWOOD, FLORIDA 32752 Fax: 321.690.1789	REV:	SHEET:	ĺ			
TX CERTIFICATE OF Email: info@ptc-corp.com	<	1 OF 8	УЩ М	DESCRIPTION	DATE	_
REGISTRATION NO. F-13740						_



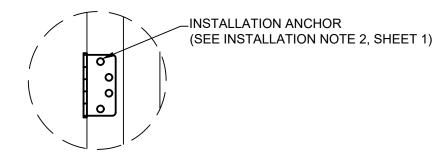
ANCHOR LAYOUT
35.0 D.P. W/O SURFACE BOLTS

PROJECT: #419-1112

Robert J. Amoruso

TX P.E. No. 80817

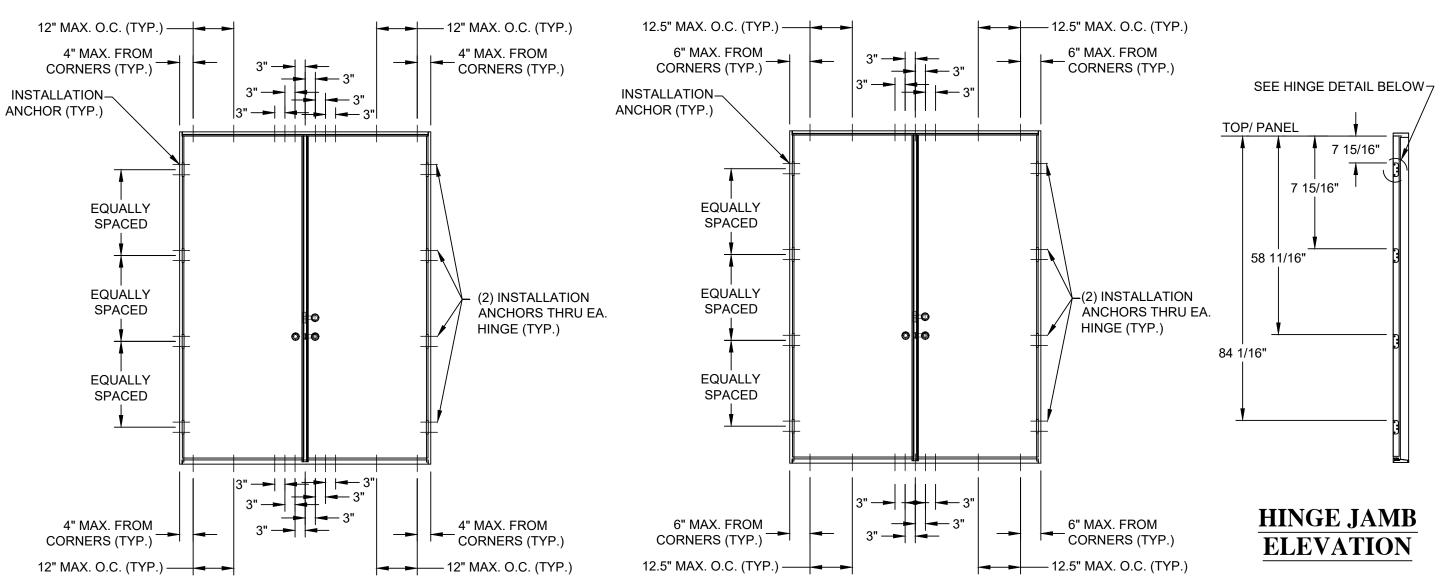
INTERIOR VIEW (SEE INSTALLATION NOTE 2)



(SHOWN W/ OPTIONAL

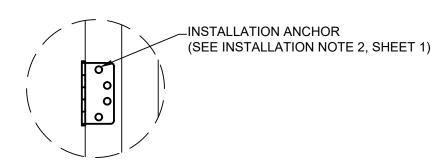
SURFACE BOLTS)

HINGE DETAIL



ANCHOR LAYOUT 50.0 PSF W/ SURFACE BOLTS

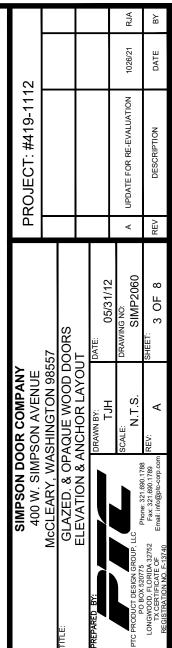
INTERIOR VIEW (SEE INSTALLATION NOTE 2)

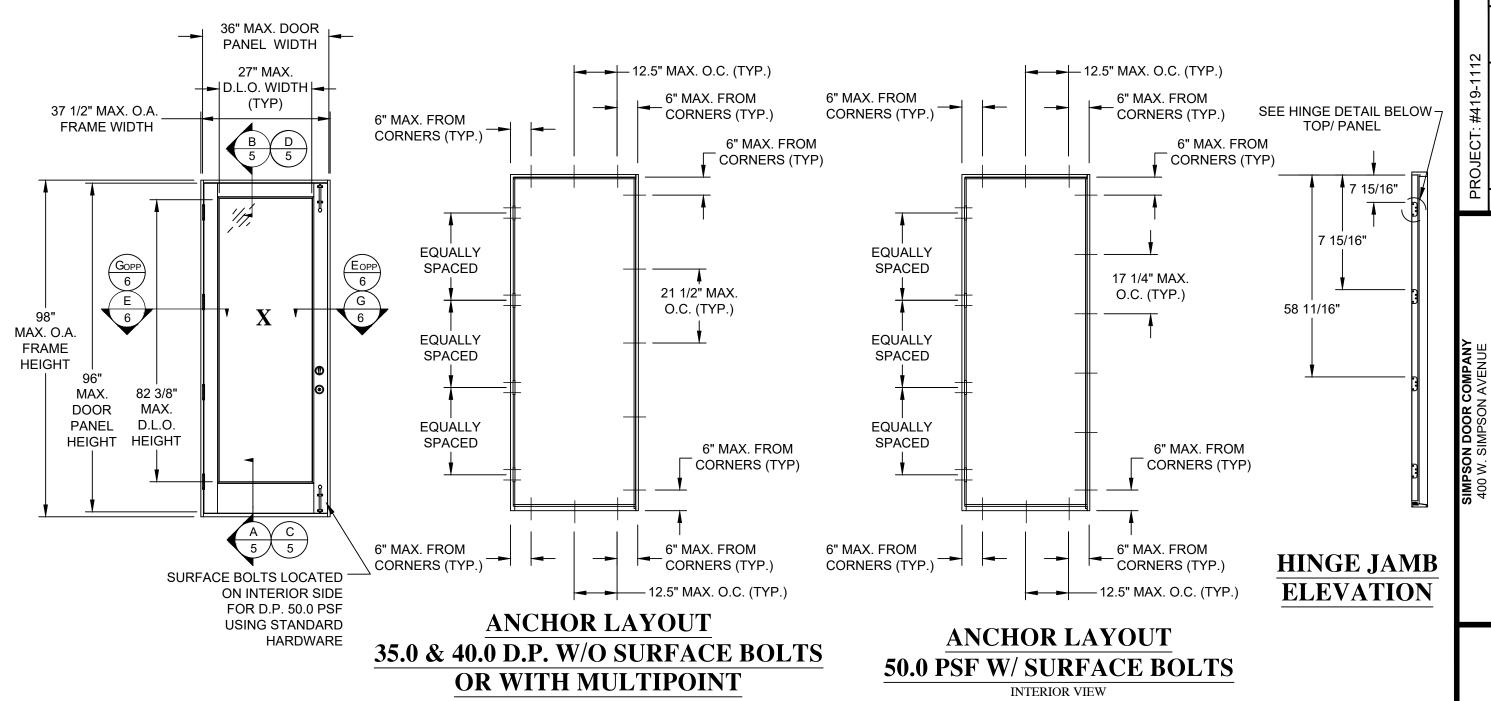


HINGE DETAIL

ANCHOR LAYOUT 40.0 PSF W/ MULTIPOINT

INTERIOR VIEW
(SEE INSTALLATION NOTE 2)



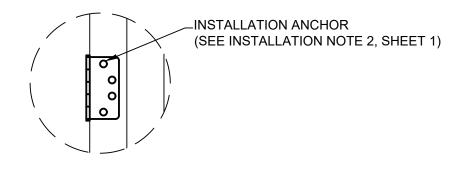


INTERIOR VIEW
(SEE INSTALLATION NOTE 2)

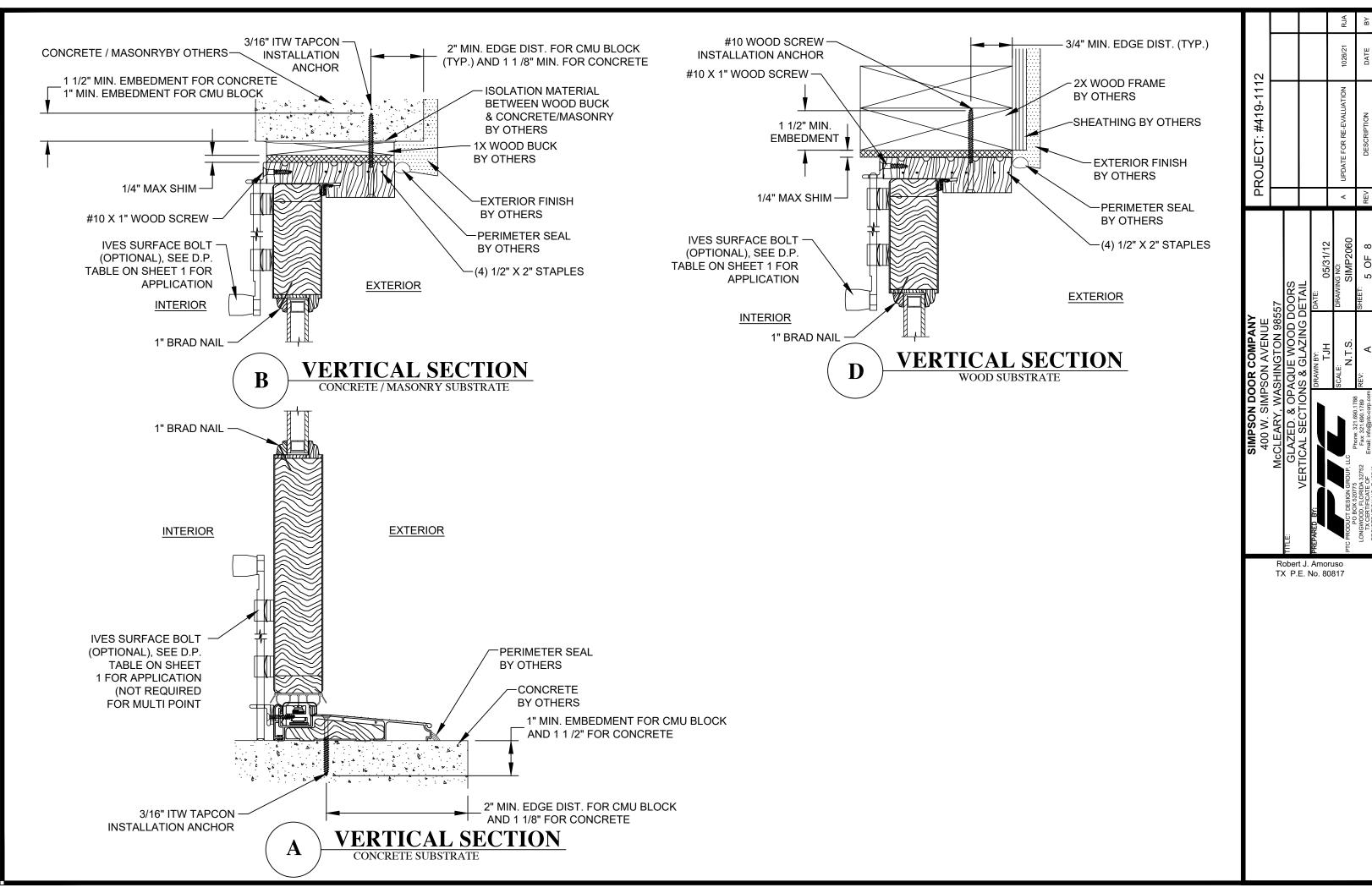
INTERIOR VIEW (SEE INSTALLATION NOTE 2)

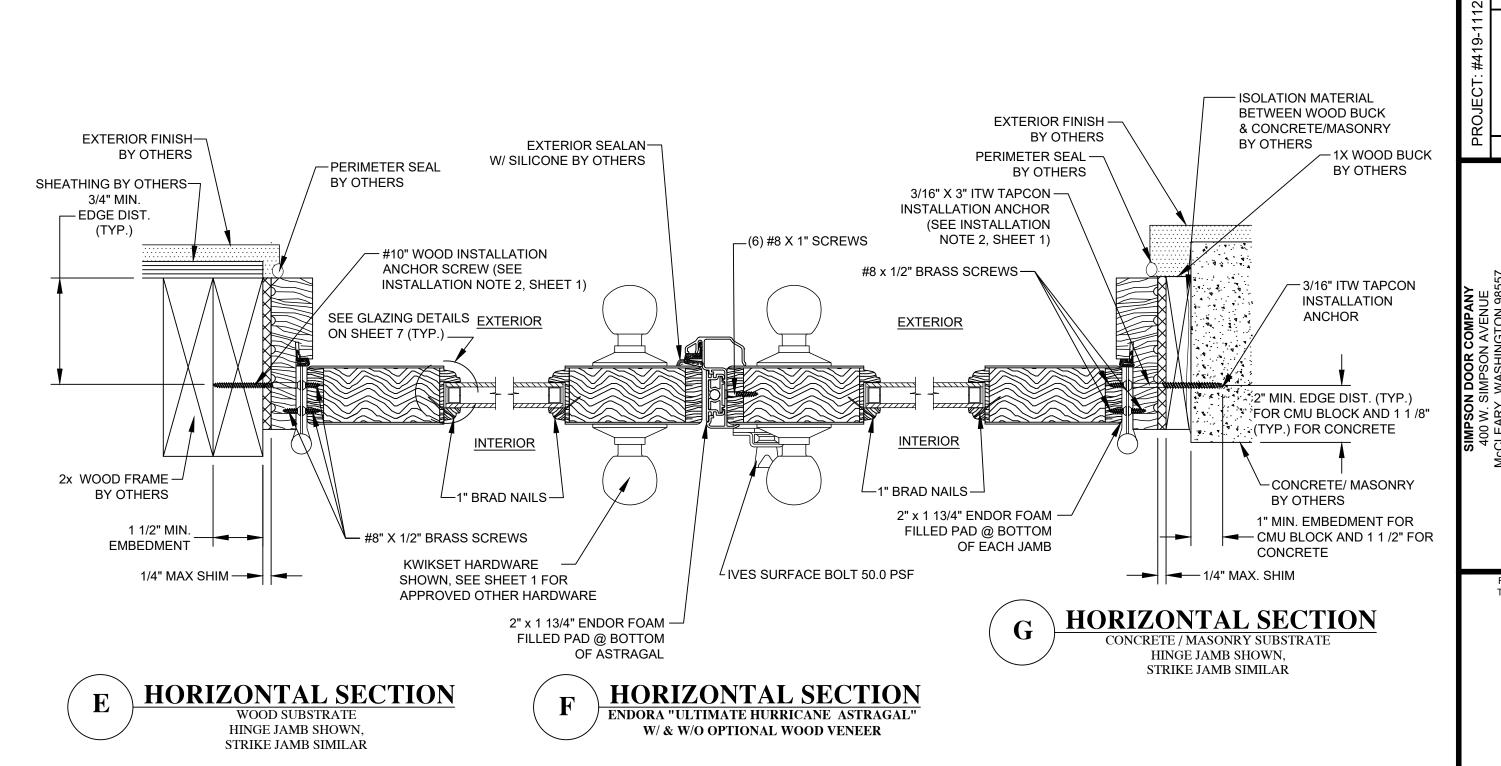
Robert J. Amoruso

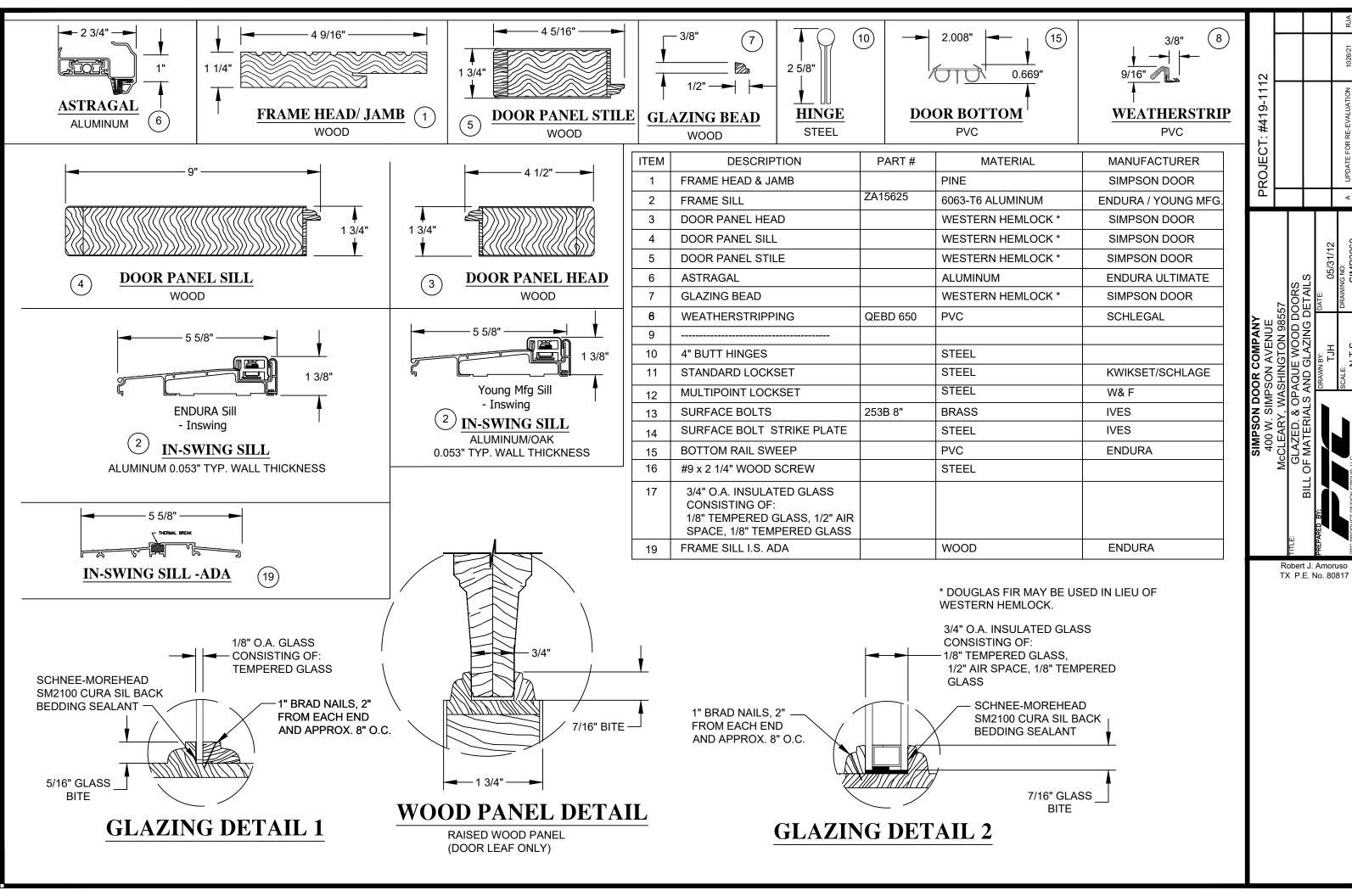
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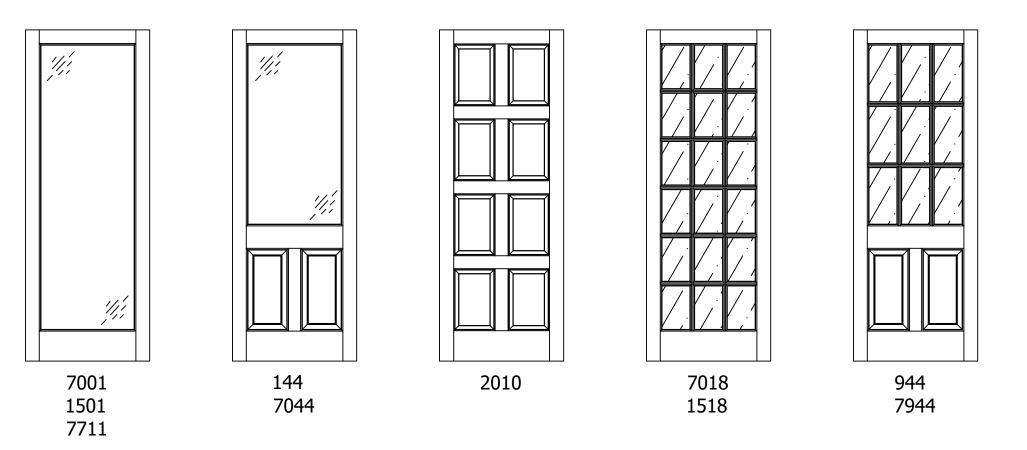


HINGE DETAIL









TYPICAL APPROVED PANEL **CONFIGURATIONS**

