

SIMPSON DOOR COMPANY

GLAZED & OPAQUE I.S. EXTERIOR WOOD DOORS

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE 2006 INTERNATIONAL BUILDING CODE WITH TEXAS REVISIONS AND 2006 INTERNATIONAL RESIDENTIAL CODE WITH TEXAS REVISIONS AT THE DESIGN PRESSURES STATED HEREIN.
2. 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.
4. 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.
5. 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.
6. 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:
 - 7.1. DOOR FRAME: PINE
 - 7.2. PANEL CORE MATERIAL: WESTERN HEMLOCK OR DOUGLAS FIR
 - 7.3. PANEL FACE VENEER: VARIABLE
 - 7.4. HINGES: 4 X 4 BUTT
 - 7.5. LATCH & DEADBOLT: KWIKSET SERIES 740 LOCKSET W/KWIKSET SERIES 980 DEADBOLT.
 - 7.6. LATCH & DEADBOLT: SCHLAGE F SERIES HANDLE SET W/SCHLAGE B60 DEADBOLT.
 - 7.7. MULT-POINT LOCKING HARDWARE: W & F MULTI-POINT TRILENNIUM 3000 SERIES.
 - 7.8. SURFACE BOLTS: IVES #253B BRASS.
 - 7.9. ASTRAGAL: ENDURA ULTIMATE ALUMINUM ASTRAGAL.
 - 7.10. THRESHOLD: ENDURA PRODUCTS ALUMINUM INSWING ADJUSTABLE #ZAI5625.
 - 7.11. THRESHOLD: YOUNG MFG. ALUMINUM/OAK INSWING.
 - 7.12. THRESHOLD: ALUMINUM INSWING ADA SILL
8. APPROVED CORNER CONSTRUCTION
 - 8.1. WOOD DOWEL SERIES
 - 8.2. MORTISE AND TENON SERIES
9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e1 GLASS CHARTS. SEE SHEET 7 FOR GLAZING DETAIL. QUALIFIED GLAZING INCLUDES:
 - 9.1. 1/8" TEMPERED GLASS
 - 9.2. 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 ANCHOR IS 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:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42.
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES, INSTALLATION NOTES & D.P. CHART
2	ELEVATION AND ANCHOR LAYOUT
3	ANCHOR LAYOUT
4	ANCHOR LAYOUT
5	VERTICAL SECTIONS & GLAZING DETAIL
6	HORIZONTAL SECTIONS
7	BILL OF MATERIALS AND GLAZING
8	TYPICAL APPROVED PANEL CONFIGURATIONS

DESIGN PRESSURE RATING (PSF)		
SIZE OF DOORS	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	
	W/ SURFACE BOLTS STANDARD LOCKS	W/O SURFACE BOLTS STANDARD LOCKS
6'-2" x 8'-2" DOORS	±50.0 PSF	±35.0 PSF

DESIGN PRESSURE RATING (PSF)	
SIZE OF DOORS	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
	MULTI-POINT LOCK
6'-2" x 8'-2" DOORS	±40.0 PSF

PROJECT: #412-0405

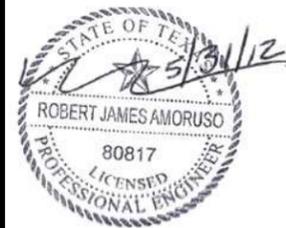
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400 W. SIMPSON AVENUE
McCLEARY, WASHINGTON 98557

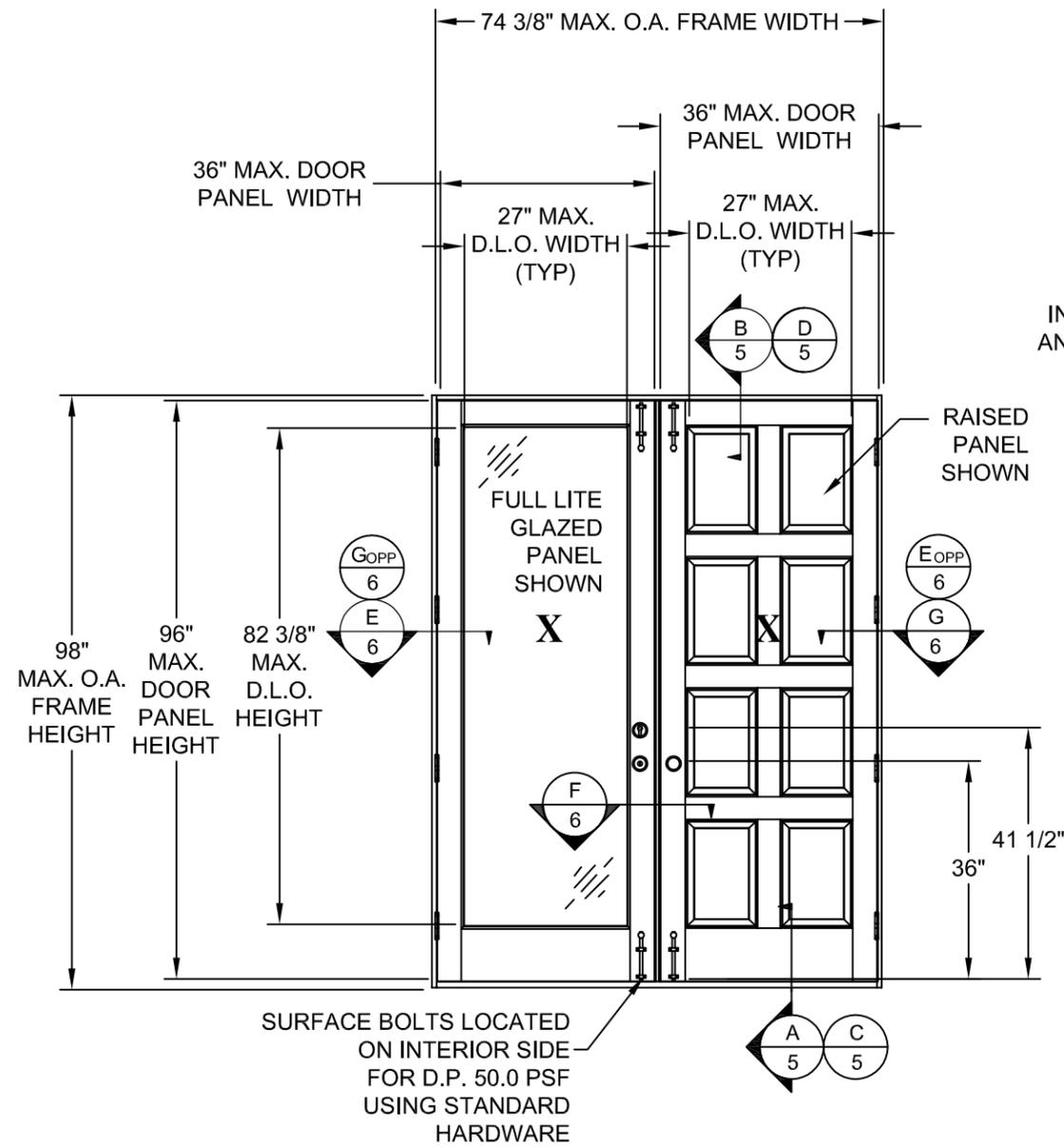
GLAZED & OPAQUE WOOD DOORS
GENERAL AND INSTALLATION NOTES

DRAWN BY: TJH	DATE: 05/31/12
SCALE: N.T.S.	DRAWING NO: SIMP2060
REV: -	SHEET: 1 OF 8

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
CALL OR FAX FOR QUOTES
REGISTRATION NO. P-13740
Phone: 321.680.1788
Fax: 321.680.1789
Email: info@ptc-corp.com

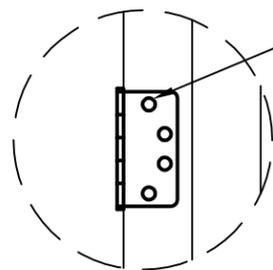
Robert J. Amoruso
TX P.E. No. 80817





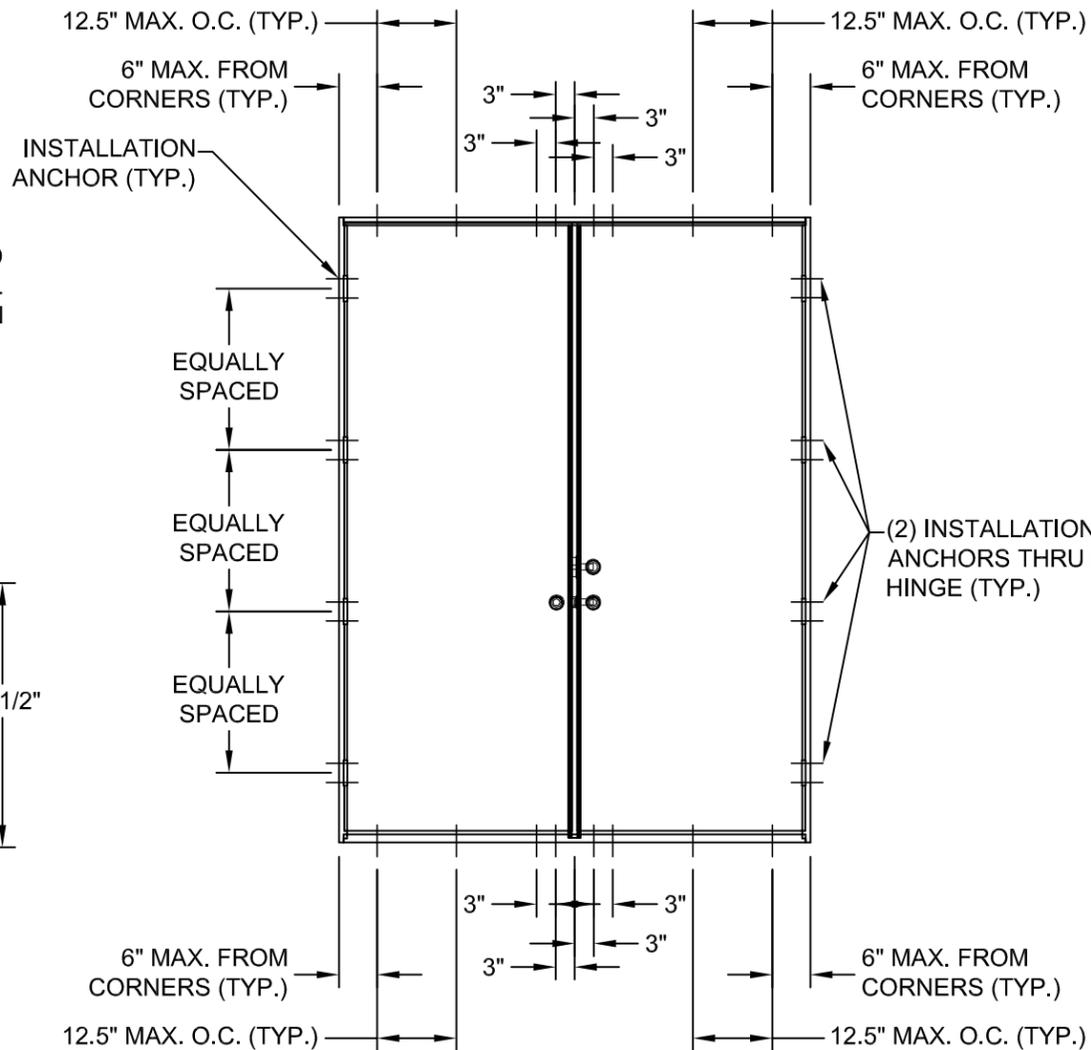
ELEVATION

INTERIOR VIEW
(SHOWN W/ OPTIONAL
SURFACE BOLTS)



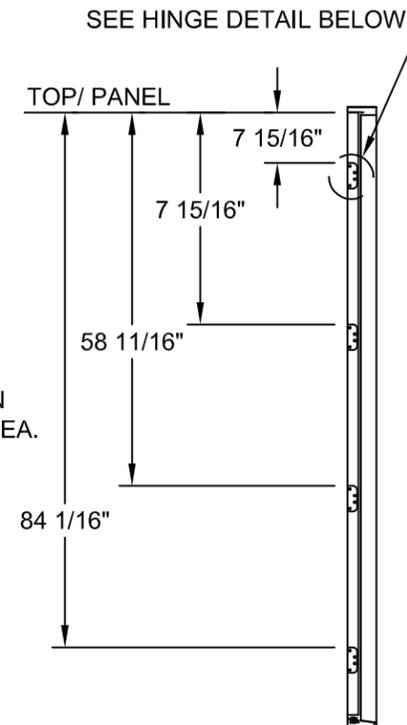
HINGE DETAIL

INSTALLATION ANCHOR
(SEE INSTALLATION NOTE 2, SHEET 1)



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

INTERIOR VIEW
(SEE INSTALLATION NOTE 2)

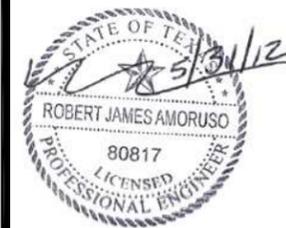


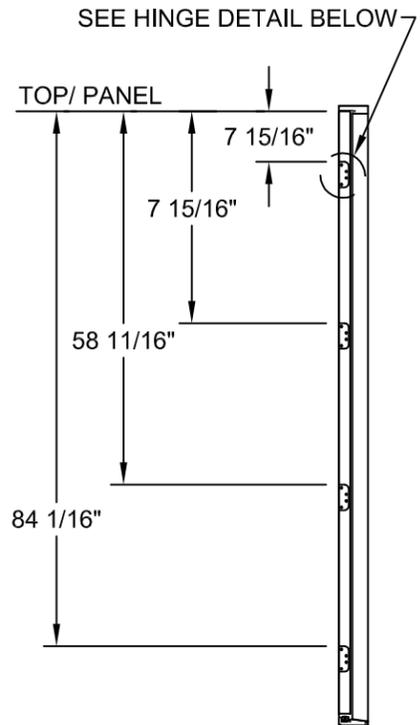
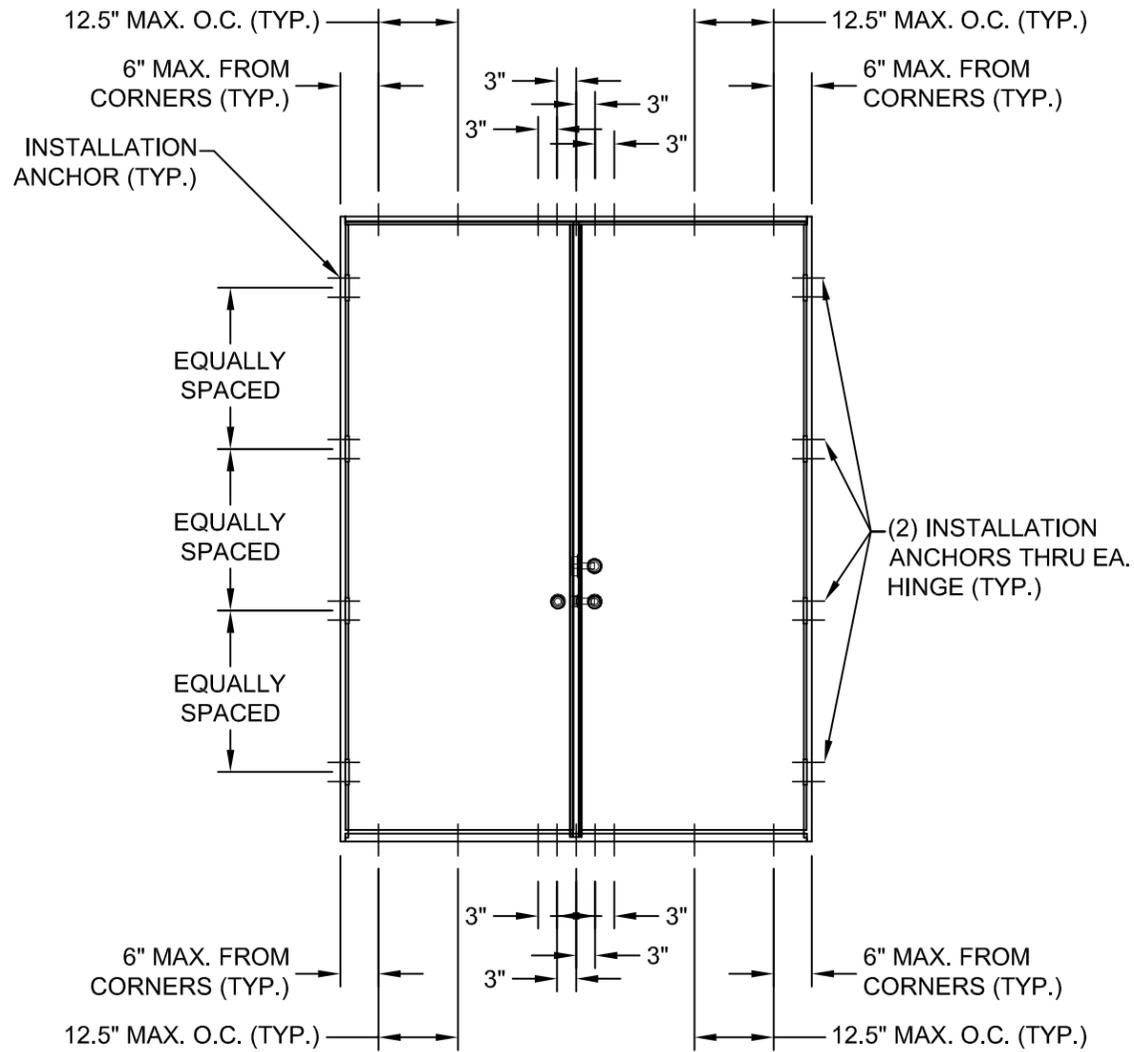
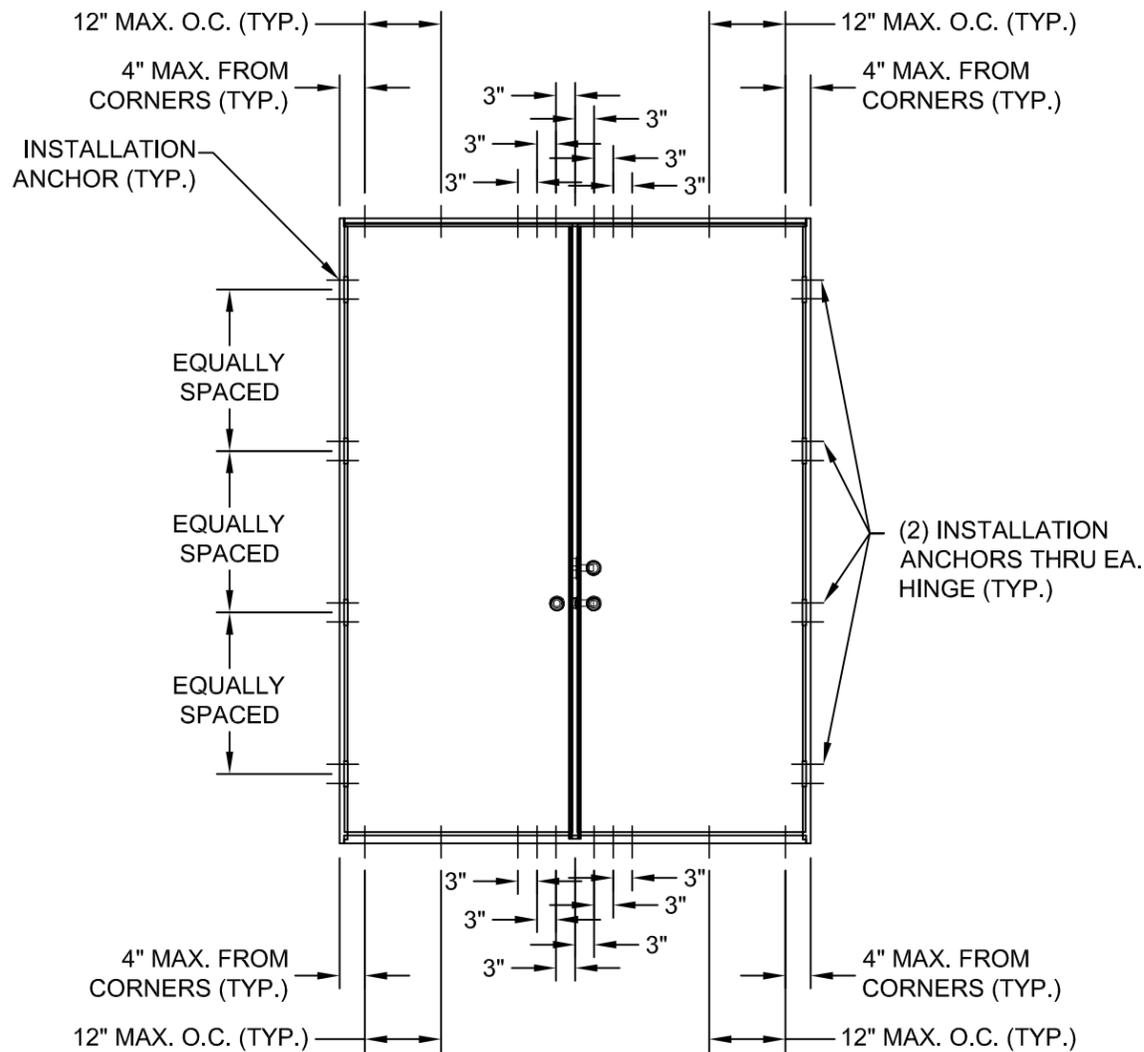
**HINGE JAMB
ELEVATION**

PROJECT: #412-0405

SIMPSON DOOR COMPANY 400 W. SIMPSON AVENUE MCCLERY, WASHINGTON 98557		DATE: 05/31/12	BY:
GLAZED, & OPAQUE WOOD DOORS ELEVATION & ANCHOR LAYOUT		DRAWING NO: SIMP2060	DATE
TITLE:	PREPARED BY: N.T.S.	SCALE: N.T.S.	DESCRIPTION
DRAWN BY: TJH	DATE: 05/31/12	SHEET: 2 OF 8	REV
PTC PRODUCT DESIGN GROUP, LLC PO BOX 50725 LONGWOOD, FLORIDA 32752 TX CERTIFICATE OF REGISTRATION NO. F-13740	PHONES: 321.686.1788 FAX: 321.686.1789 EMAIL: info@pdc-corp.com		

Robert J. Amoruso
TX P.E. No. 80817

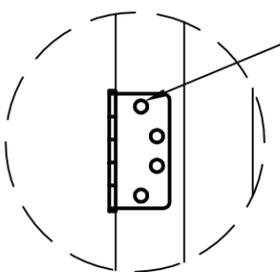




ANCHOR LAYOUT
50.0 PSF W/ SURFACE BOLTS
 INTERIOR VIEW
 (SEE INSTALLATION NOTE 2)

ANCHOR LAYOUT
40.0 PSF W/ MULTIPOINT
 INTERIOR VIEW
 (SEE INSTALLATION NOTE 2)

**HINGE JAMB
 ELEVATION**

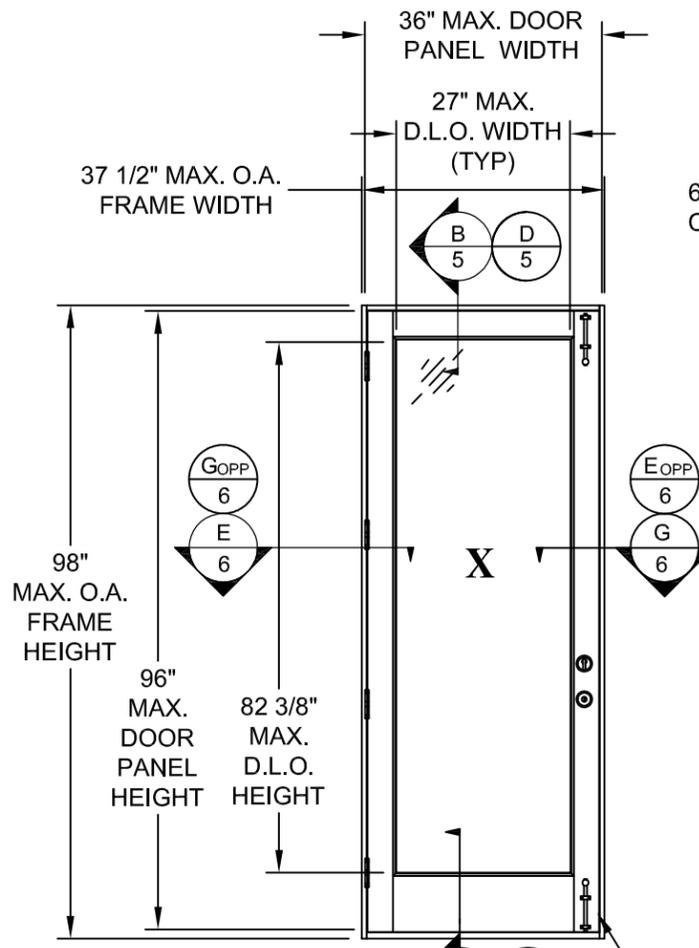


INSTALLATION ANCHOR
 (SEE INSTALLATION NOTE 2, SHEET 1)

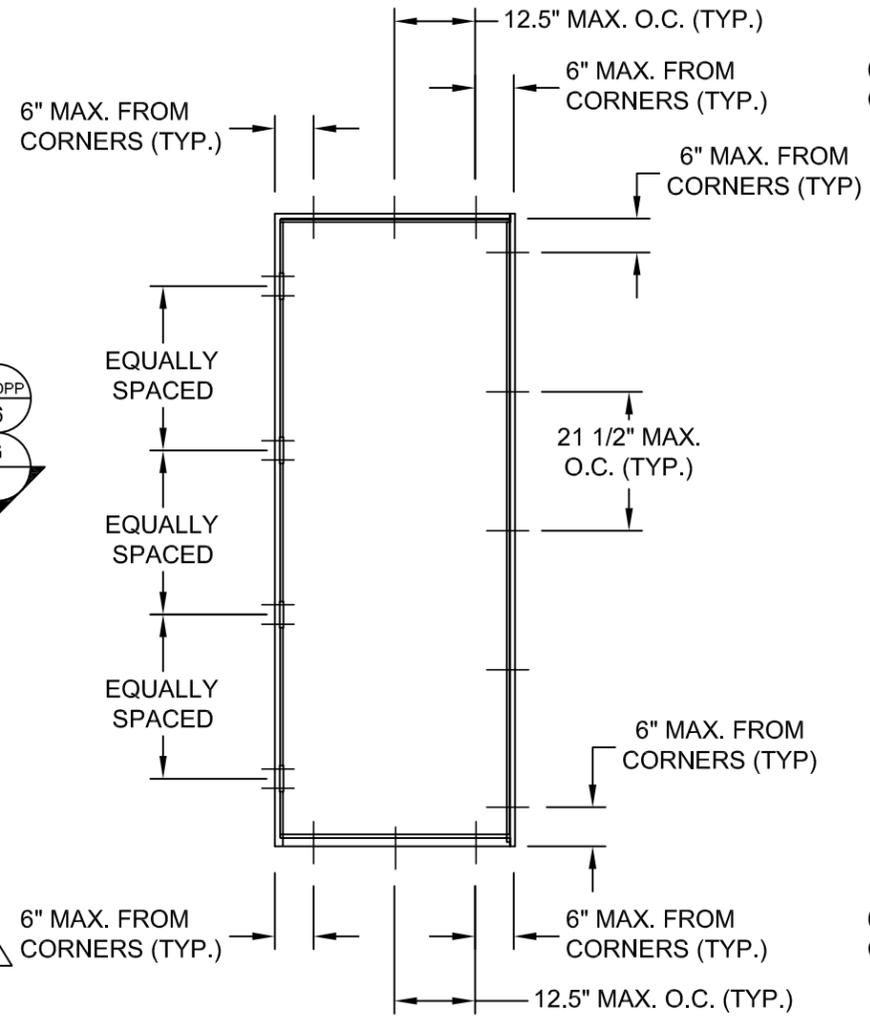
HINGE DETAIL

PROJECT: #412-0405		DATE	BY
SIMPSON DOOR COMPANY 400 W. SIMPSON AVENUE McCLEARY, WASHINGTON 98557		DESCRIPTION	REV
GLAZED, & OPAQUE WOOD DOORS ELEVATION & ANCHOR LAYOUT		DATE: 05/31/12	3 OF 8
DRAWN BY: T.J.H.		DRAWING NO: SIMP2060	
SCALE: N.T.S.		SHEET: 3 OF 8	
PREPARED BY: [Signature]		REV: -	
PTC PRODUCT DESIGN GROUP, LLC PO BOX 50725 LONGWOOD, FLORIDA 32752 Phone: 321.680.1788 Fax: 321.680.1789 Email: info@pdc-corp.com REGISTRATION NO. F-13740			

Robert J. Amoruso
 TX P.E. No. 80817

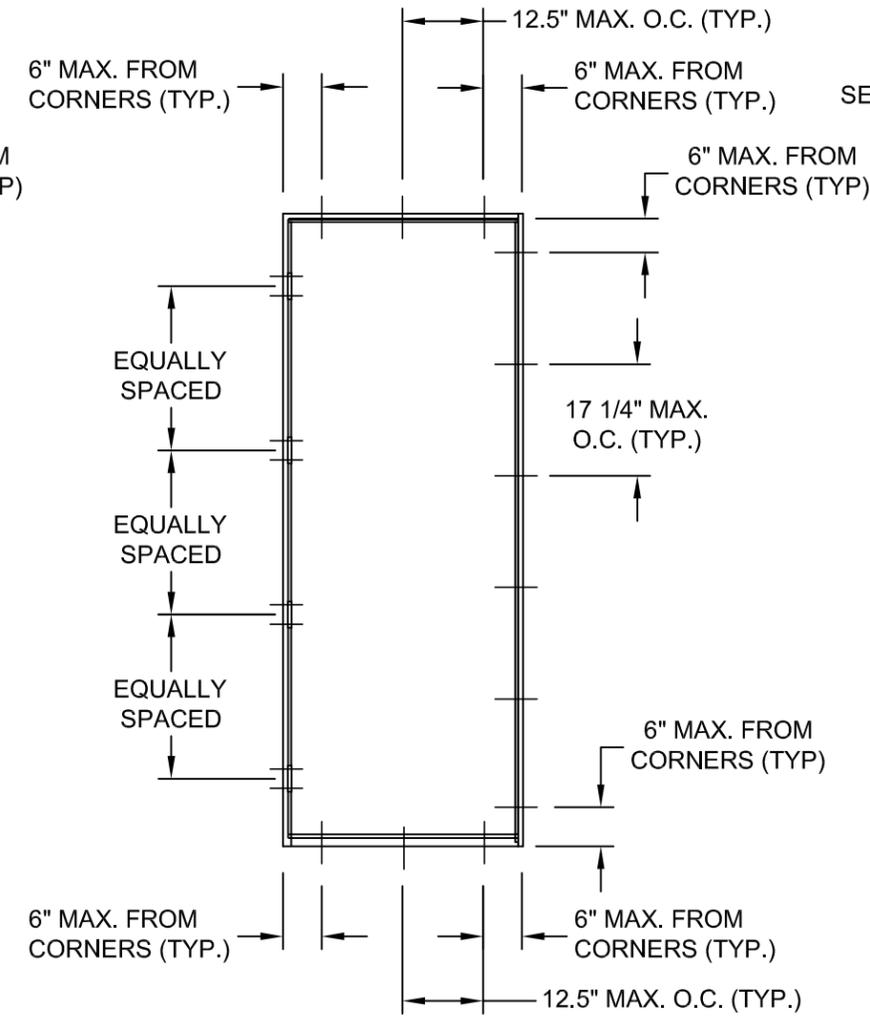


SURFACE BOLTS LOCATED ON INTERIOR SIDE FOR D.P. 50.0 PSF USING STANDARD HARDWARE



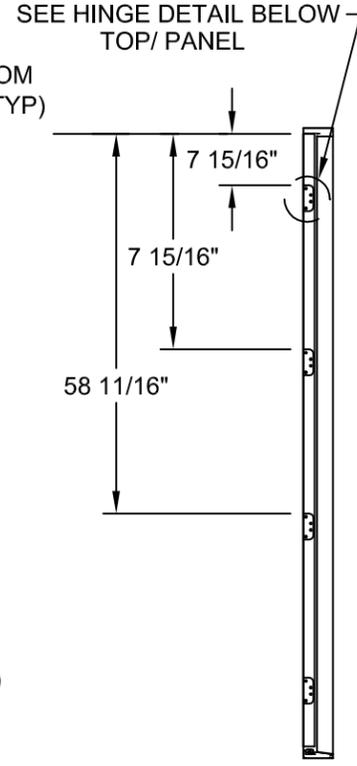
ANCHOR LAYOUT
35.0 & 40.0 D.P. W/O SURFACE BOLTS
OR WITH MULTIPOINT

INTERIOR VIEW
 (SEE INSTALLATION NOTE 2)

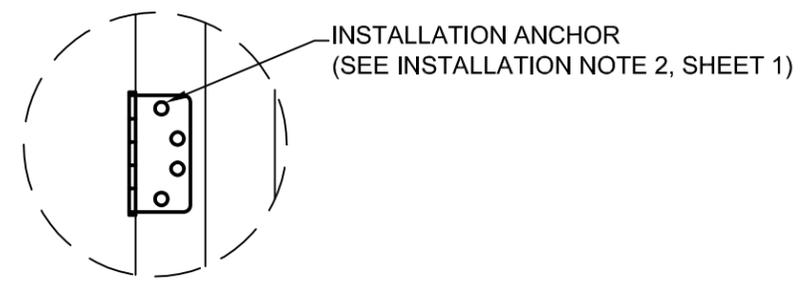


ANCHOR LAYOUT
50.0 PSF W/ SURFACE BOLTS

INTERIOR VIEW
 (SEE INSTALLATION NOTE 2)



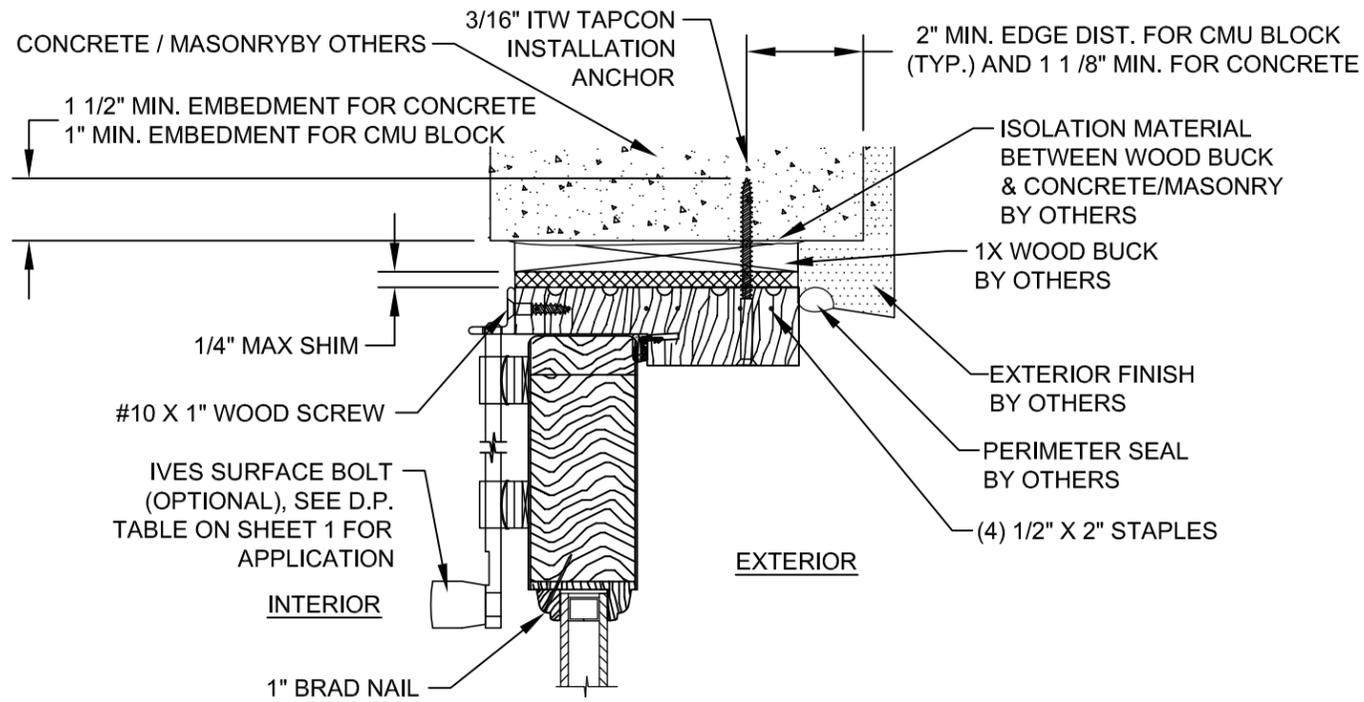
HINGE JAMB
ELEVATION



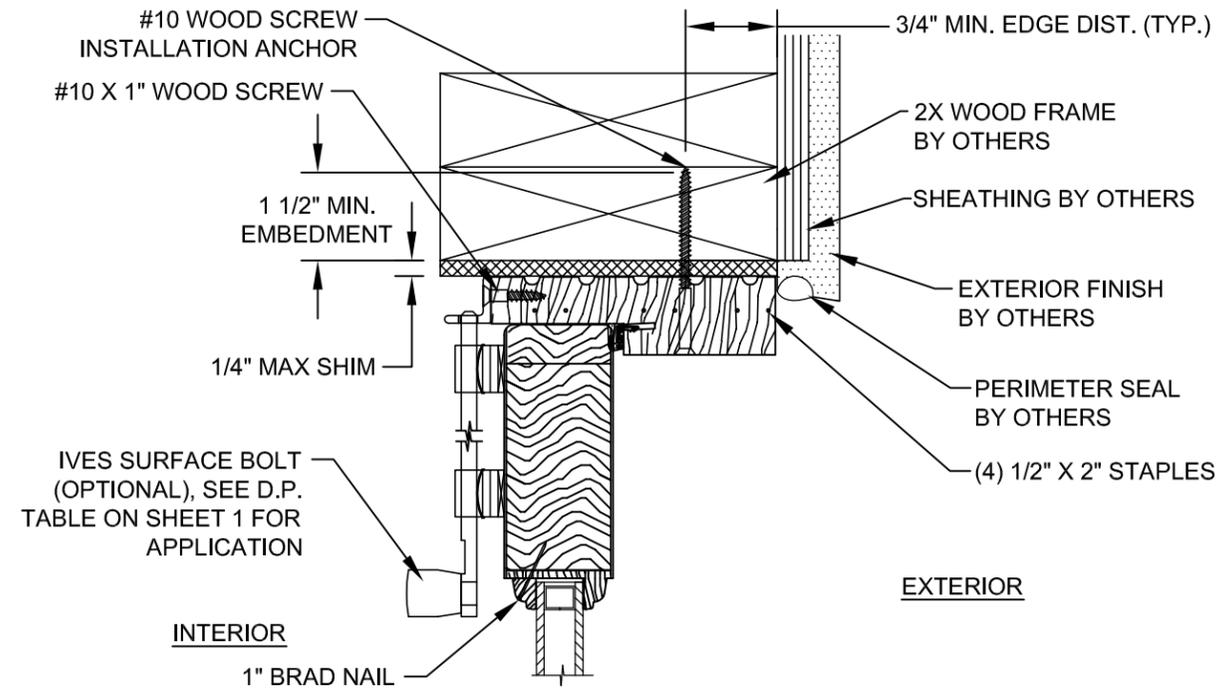
HINGE DETAIL

PROJECT: #412-0405		DATE	BY
SIMPSON DOOR COMPANY 400 W. SIMPSON AVENUE MCCLERY, WASHINGTON 98557		DESCRIPTION	REV
GLAZED & OPAQUE WOOD DOORS ELEVATION & ANCHOR LAYOUT		DATE: 05/31/12	BY
DRAWN BY: TJH		DRAWING NO: SIMP2060	REV
SCALE: N.T.S.		SHEET: 4 OF 8	DATE
REV: -		DESCRIPTION	BY
PTC PRODUCT DESIGN GROUP, LLC PO BOX 50725 LONGWOOD, FLORIDA 32752 PHONE: 321.686.1788 FAX: 321.686.1789 EMAIL: info@pdc-corp.com REGISTRATION NO. F-13740			

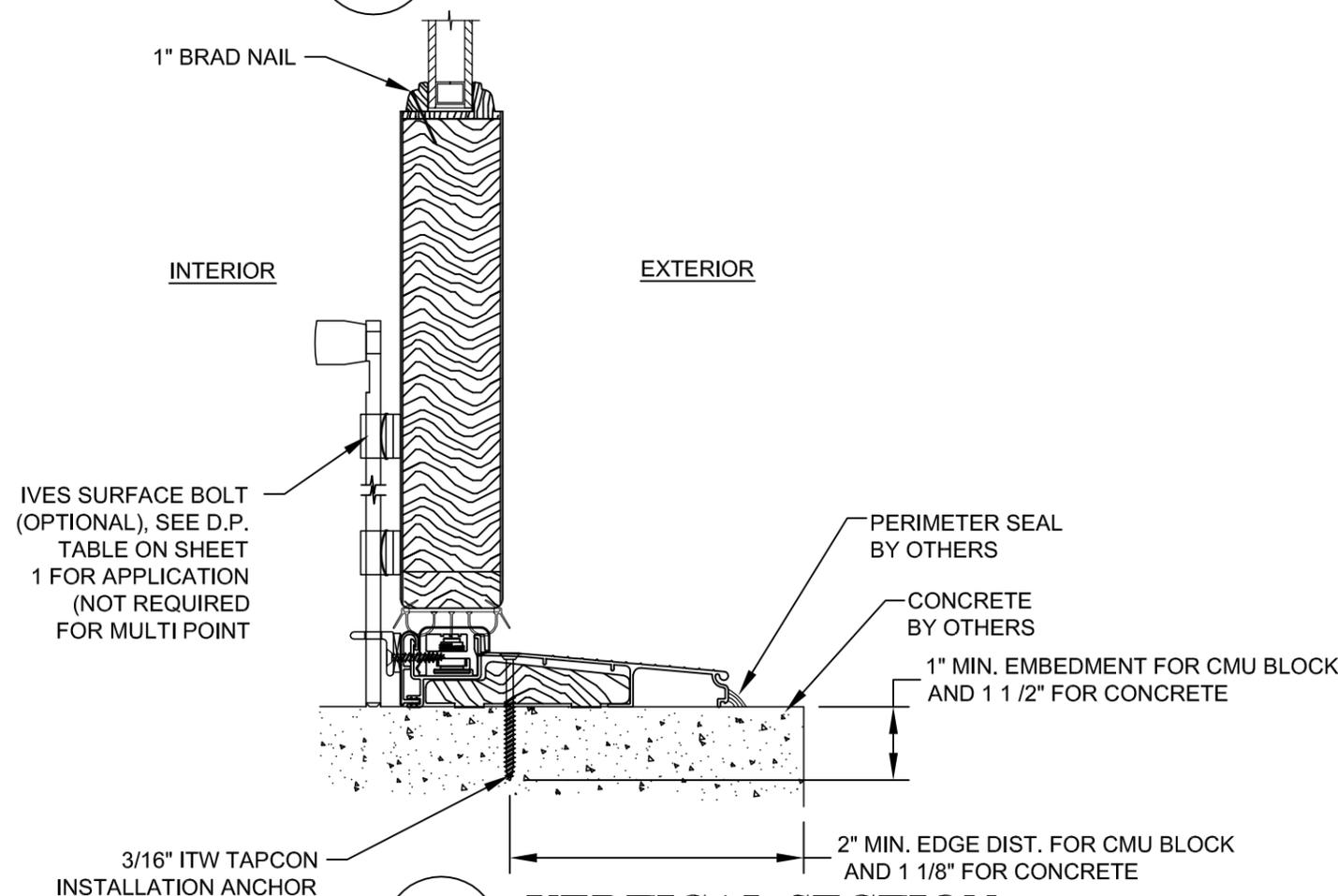
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B VERTICAL SECTION
CONCRETE / MASONRY SUBSTRATE



D VERTICAL SECTION
WOOD SUBSTRATE



A VERTICAL SECTION
CONCRETE SUBSTRATE

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400 W. SIMPSON AVENUE
MCCLERY, WASHINGTON 98557

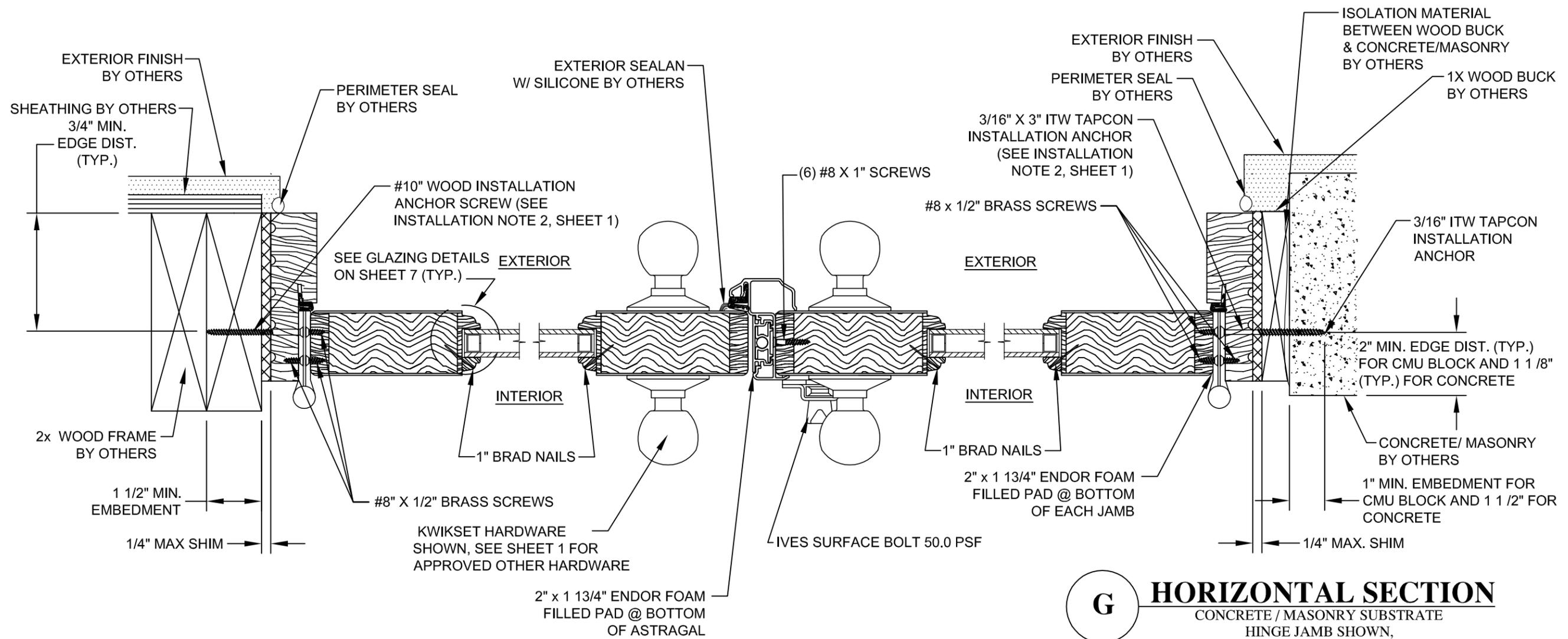
TITLE: GLAZED, & OPAQUE WOOD DOORS
VERTICAL SECTIONS & GLAZING DETAIL

DATE:	05/31/12
DRAWING NO.:	SIMP2060
SCALE:	N.T.S.
SHEET:	5 OF 8
DRAWN BY:	TJH
PREPARED BY:	N.T.S.
REV:	-

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 50775
LONGWOOD FLORIDA 32752
TX CERTIFICATE OF REGISTRATION NO. F-13740
Phone: 321.686.1788
Fax: 321.686.1789
Email: info@pdc-corp.com

Robert J. Amoruso
TX P.E. No. 80817





E HORIZONTAL SECTION
WOOD SUBSTRATE
HINGE JAMB SHOWN,
STRIKE JAMB SIMILAR

F HORIZONTAL SECTION
ENDORA "ULTIMATE HURRICANE ASTRAGAL"
W/ & W/O OPTIONAL WOOD VENEER

G HORIZONTAL SECTION
CONCRETE / MASONRY SUBSTRATE
HINGE JAMB SHOWN,
STRIKE JAMB SIMILAR

PROJECT: #412-0405

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

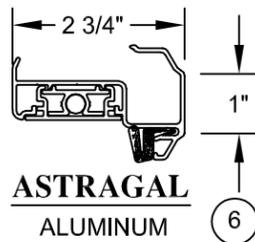
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HORIZONTAL SECTIONS

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SHEET: 6 OF 8
DRAWN BY: TJH
SCALE: N.T.S.
REV: -

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 50725
LONGWOOD, FLORIDA 32752
TX CERTIFICATE OF REGISTRATION NO. F-13740
Phone: 321.680.1788
Fax: 321.680.1789
Email: info@pdc-corp.com

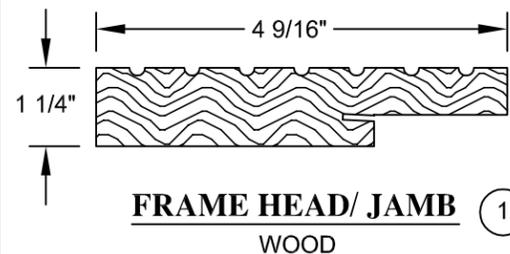
Robert J. Amoruso
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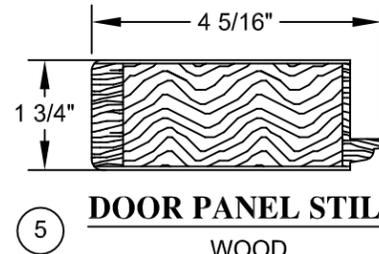
ASTRAGAL
ALUMINUM

6



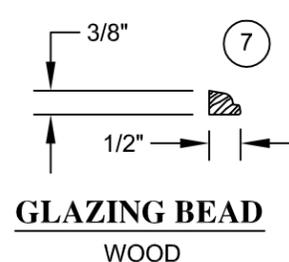
FRAME HEAD/ JAMB
WOOD

1



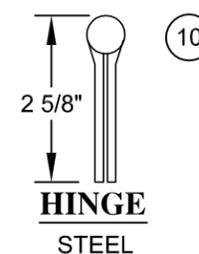
DOOR PANEL STILE
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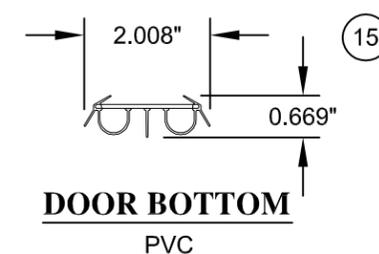
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7



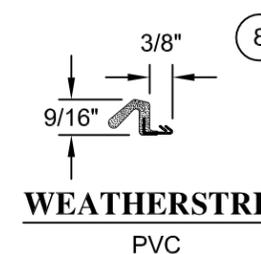
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STEEL

10



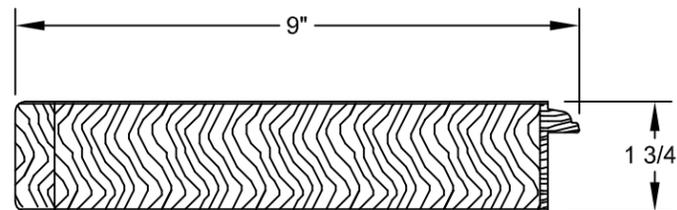
DOOR BOTTOM
PVC

15



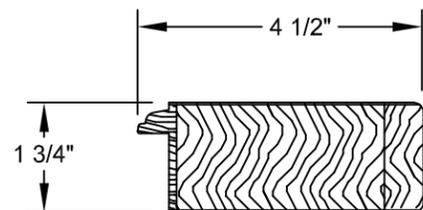
WEATHERSTRIP
PVC

8



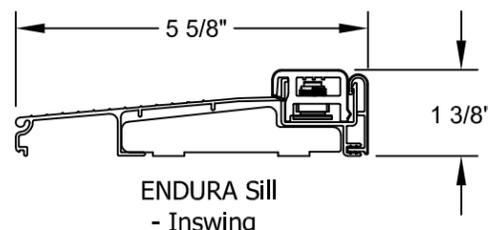
DOOR PANEL SILL
WOOD

4



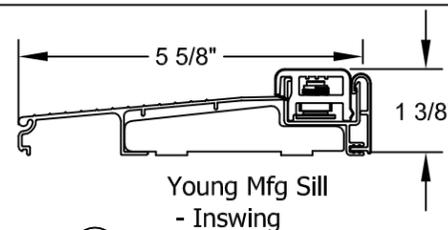
DOOR PANEL HEAD
WOOD

3



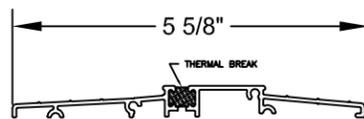
IN-SWING SILL
ALUMINUM 0.053" TYP. WALL THICKNESS

2



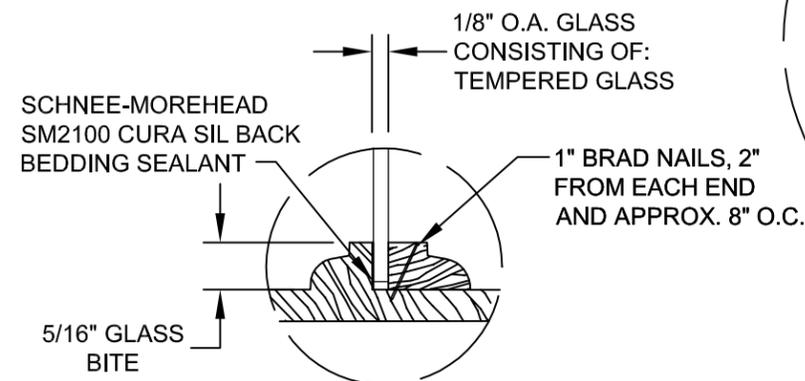
IN-SWING SILL
ALUMINUM/OAK
0.053" TYP. WALL THICKNESS

2

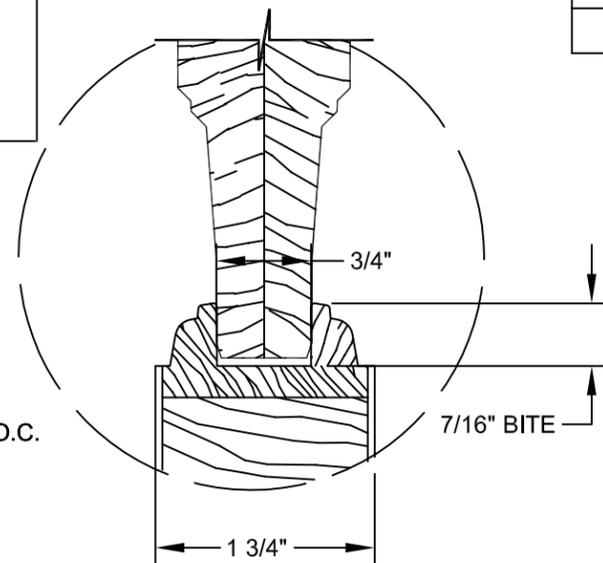


IN-SWING SILL -ADA

19



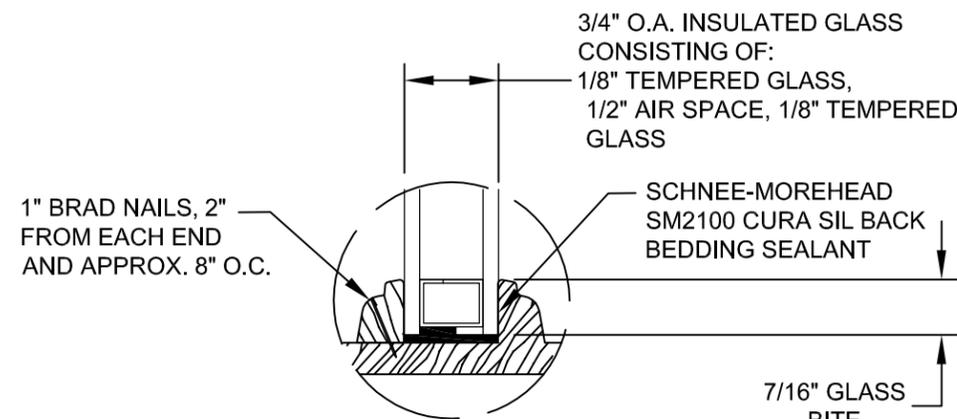
GLAZING DETAIL 1



WOOD PANEL DETAIL

RAISED WOOD PANEL
(DOOR LEAF ONLY)

* DOUGLAS FIR MAY BE USED IN LIEU OF WESTERN HEMLOCK.



GLAZING DETAIL 2

ITEM	DESCRIPTION	PART #	MATERIAL	MANUFACTURER
1	FRAME HEAD & JAMB		PINE	SIMPSON DOOR
2	FRAME SILL	ZA15625	6063-T6 ALUMINUM	ENDURA / YOUNG MFG.
3	DOOR PANEL HEAD		WESTERN HEMLOCK *	SIMPSON DOOR
4	DOOR PANEL SILL		WESTERN HEMLOCK *	SIMPSON DOOR
5	DOOR PANEL STILE		WESTERN HEMLOCK *	SIMPSON DOOR
6	ASTRAGAL		ALUMINUM	ENDURA ULTIMATE
7	GLAZING BEAD		WESTERN HEMLOCK *	SIMPSON DOOR
8	WEATHERSTRIPPING	QEBD 650	PVC	SCHLEGAL
9	-----			
10	4" BUTT HINGES		STEEL	
11	STANDARD LOCKSET		STEEL	KWIKSET/SCHLAGE
12	MULTIPOINT LOCKSET		STEEL	W& F
13	SURFACE BOLTS	253B 8"	BRASS	IVES
14	SURFACE BOLT STRIKE PLATE		STEEL	IVES
15	BOTTOM RAIL SWEEP		PVC	ENDURA
16	#9 x 2 1/4" WOOD SCREW		STEEL	
17	3/4" O.A. INSULATED GLASS CONSISTING OF: 1/8" TEMPERED GLASS, 1/2" AIR SPACE, 1/8" TEMPERED GLASS			
19	FRAME SILL I.S. ADA		WOOD	ENDURA

PROJECT: #412-0405

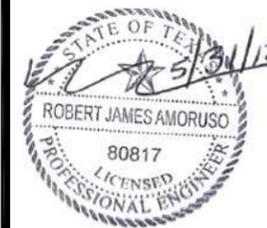
SIMPSON DOOR COMPANY
400 W. SIMPSON AVENUE
McCLEARY, WASHINGTON 98557

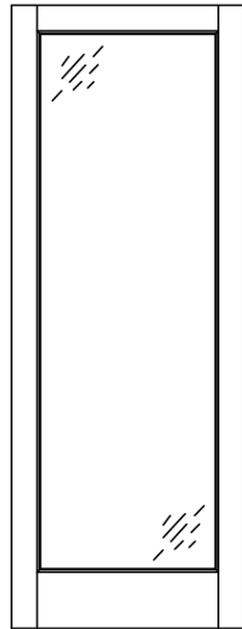
TITLE: GLAZED, & OPAQUE WOOD DOORS
BILL OF MATERIALS AND GLAZING DETAILS

PREPARED BY: T.J.H.
SCALE: N.T.S.
DATE: 05/31/12
DRAWING NO: SIMP2060
SHEET: 7 OF 8

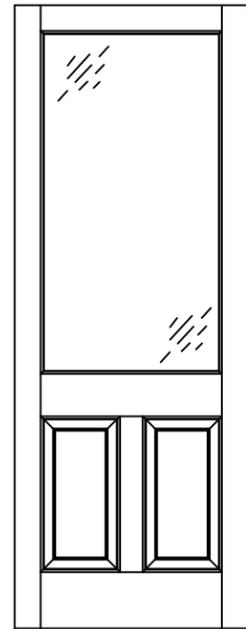
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 50735
LONGWOOD FLORIDA 32752
TX CERTIFICATE OF REGISTRATION NO. F-13740
Phone: 321.686.1788
Fax: 321.686.1789
Email: info@pdc-corp.com

Robert J. Amoruso
TX P.E. No. 80817

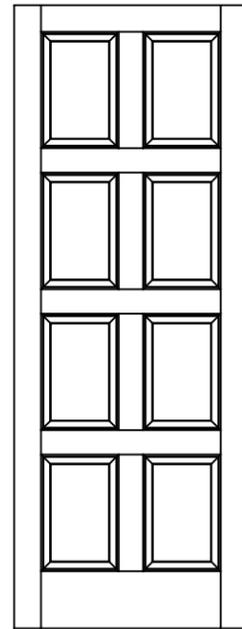




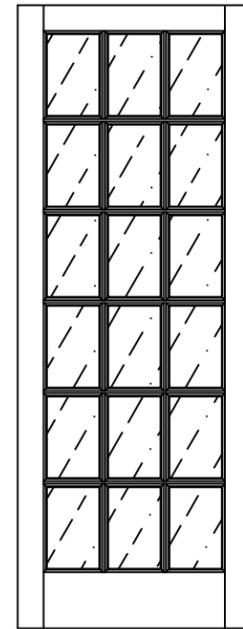
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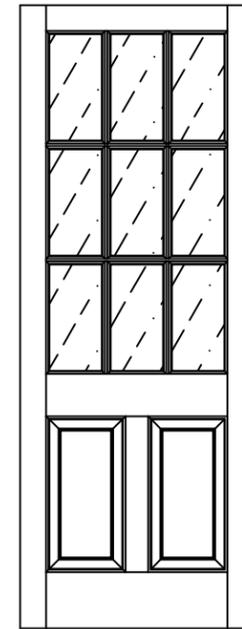
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2010

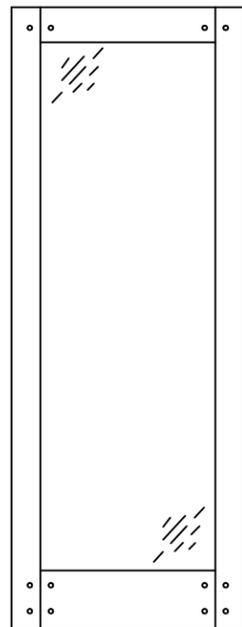


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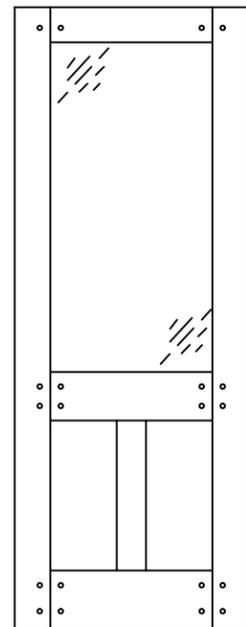


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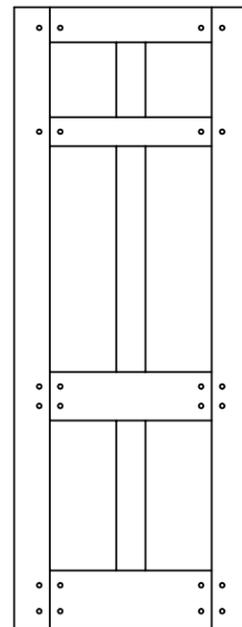
TYPICAL APPROVED PANEL CONFIGURATIONS



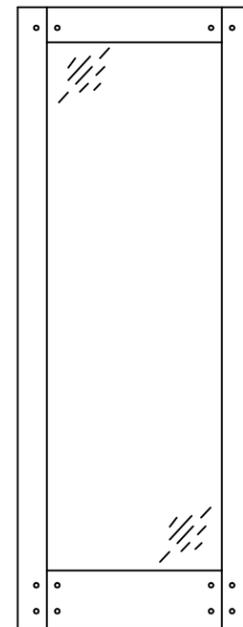
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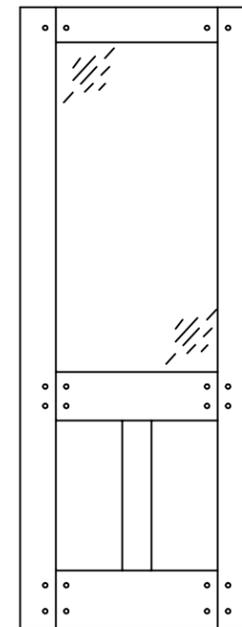
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77130



77018
SDL only



77944
SDL only

PROJECT: #412-0405

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

GLAZED, & OPAQUE WOOD DOORS
TYPICAL PANEL CONFIGURATIONS

DRAWN BY: T J H
SCALE: N.T.S.
REV: -
DATE: 05/31/12
DRAWING NO: SIMP2060
SHEET: 8 OF 8

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 50725
LONGWOOD FLORIDA 32752
TX CERTIFICATE OF REGISTRATION NO. F-13740
Phone: 971.686.1788
Fax: 971.686.1789
Email: info@pdc-corp.com

Robert J. Amoruso
TX P.E. No. 80817

