

SIMPSON DOOR CO.

Mahogany Opaque Single Outswing Door w/Sidelites & Transom

Hemlock/Fir Opaque Single Outswing Door w/Sidelites & Transom

INSTALLATION ANCHORAGE DETAILS

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE 9TH EDITION (2026) FLORIDA BUILDING CODE - BUILDING (FBC) AND RESIDENTIAL (FRC) REQUIREMENTS EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AT THE DESIGN PRESSURE(S) STATED HEREIN. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT # NCTL-210-4190-3 & NCTL-210-4190-4 AND ASSOCIATED LABORATORY STAMPED DRAWINGS.

2. 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 ENGINEER OR ARCHITECT OF RECORD.

3. 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.

4. IN AREAS WHERE WIND-BORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED.

5. DOOR FRAME OR COMPONENTS STRUCTURAL CORE MATERIAL: LAMINATED VENEER LUMBER (LVL) AND/OR FIR OR PINE FINGERJOINTED AND EDGE GLUED CORE MATERIAL. USE OF ALTERNATE WOOD VENEERS ON THE SAME STRUCTURAL CORE MATERIAL IS ACCEPTABLE FOR THIS PRODUCT. LVL MAY BE EITHER VERTICAL OR HORIZONTAL ORIENTATION.

- ## 6. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-24.

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.

2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED ARE THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION. ANCHORS ARE TO MATCH TYPE, SIZE, 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. MINIMUM EDGE DISTANCE IS 3/4 INCHES.

5. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE / MASONRY, OR DIRECTLY INTO CONCRETE / MASONRY, USE 1/4 INCH ITW TAPCONS (ADVANCED THREADFORM) OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT INTO CONCRETE AND 1 INCH MINIMUM EMBEDMENT INTO MASONRY. MINIMUM EDGE DISTANCE IS 2-1/2 INCHES FOR CONCRETE AND MASONRY.

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:

- 8.1 WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42 (NON-HVHZ).
- 8.2 CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
- 8.3 MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 MEDIUM WEIGHT WITH COMPRESSIVE STRENGTH OF 1900 psi (DENSITY > 117 PCF).

9. INSTALLATION FASTENER MATERIAL/SURFACE TREATMENT REQUIREMENTS.

- 9.1 ALL FASTENERS TO BE CORROSION RESISTANT AND/OR HAVE A CORROSION RESISTANT COATING.

- 9.2 WHEN EXPOSED TO SALTWATER ENVIRONMENTS WITHIN 3,000 FEET OF A SALTWATER COASTLINE MEET THE REQUIREMENTS OF SECTION 1711, 9TH EDITION (2026) FBC AND SECTION R332, 9TH EDITION (2026) FROM WHEN APPLICABLE.

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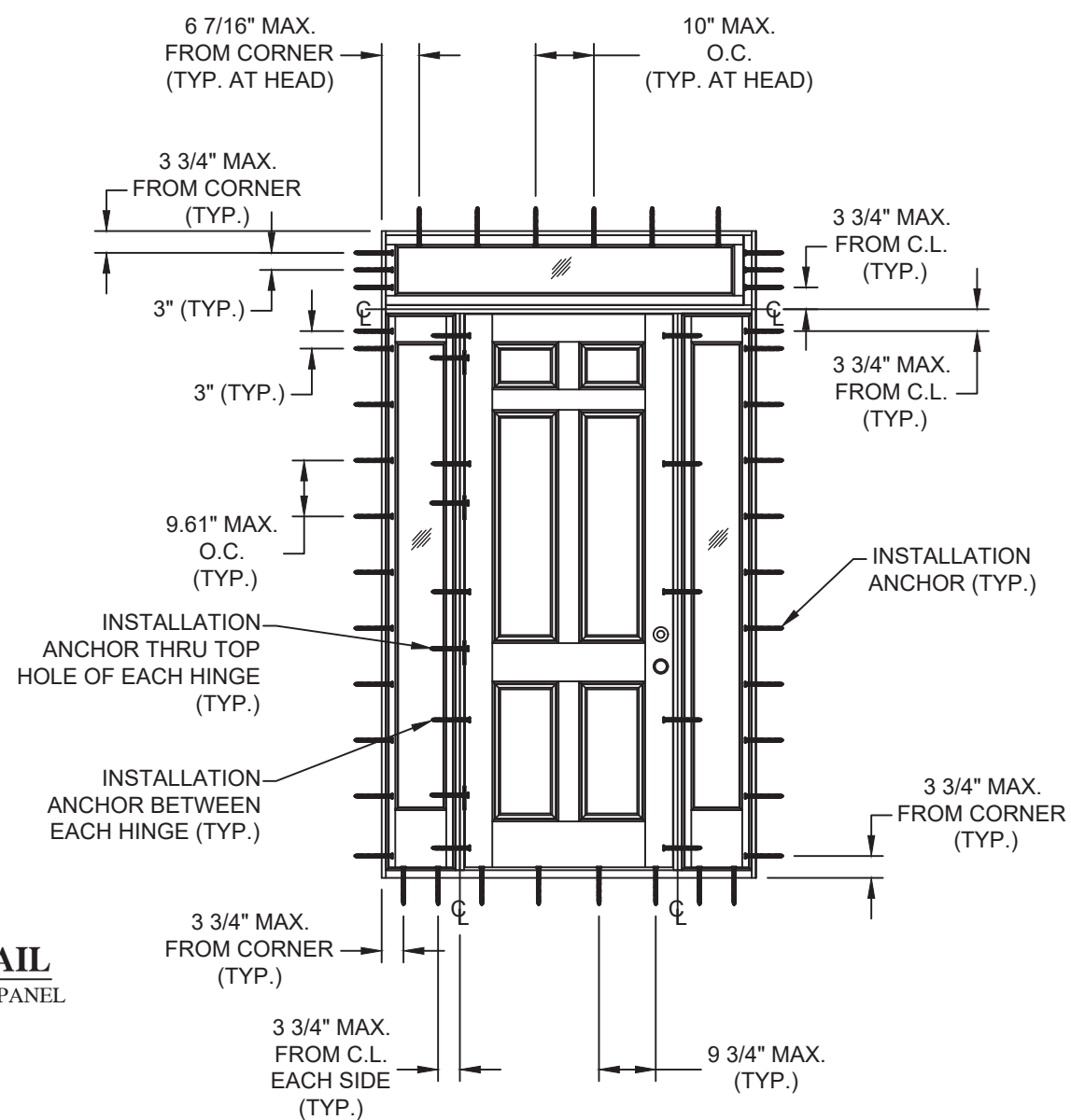
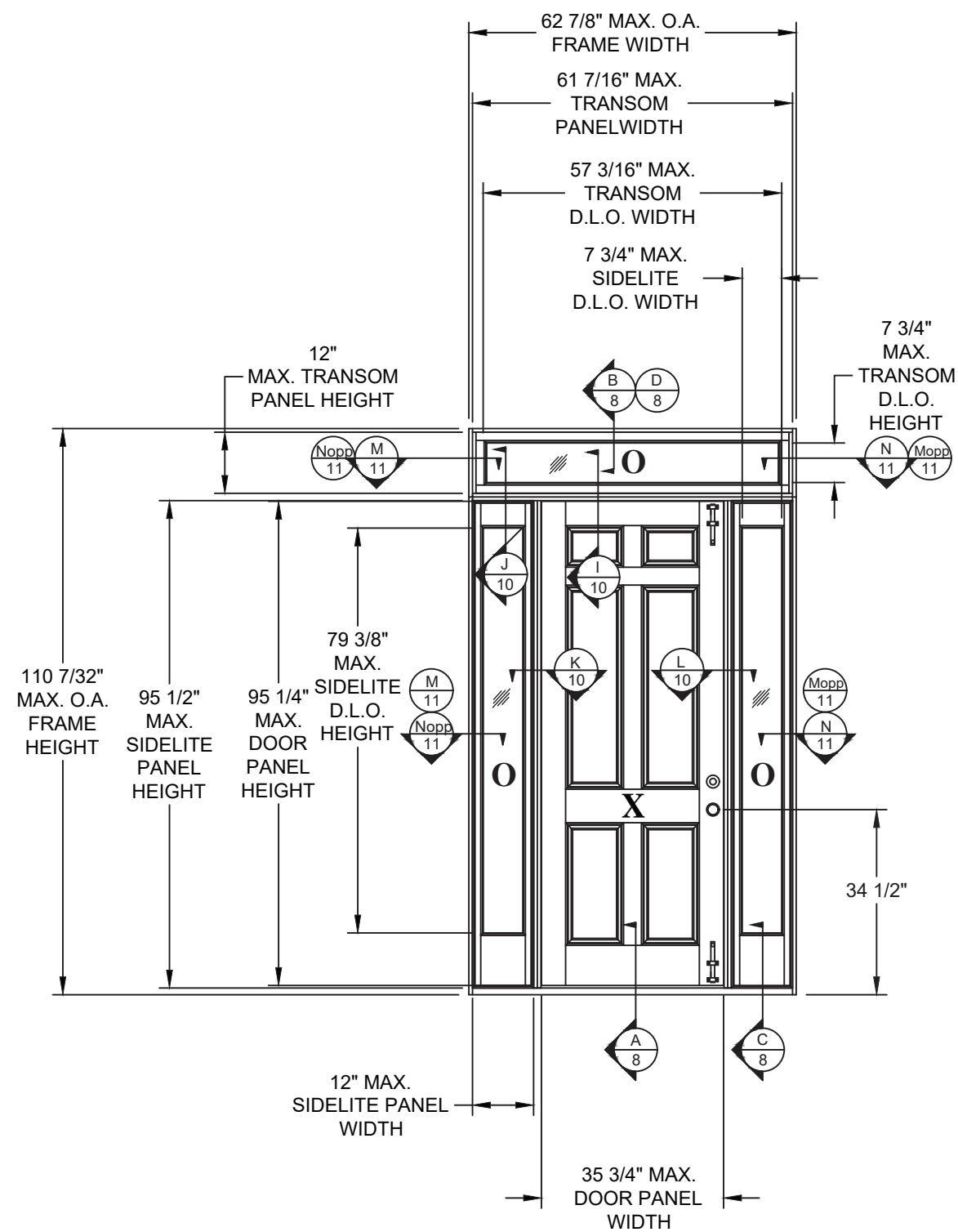
PERFORMANCE RATING					
MAXIMUM FRAME SIZE	CONFIG.	ELEVATION	GLAZING DETAIL	DESIGN PRESSURE (PSF)	IMPACT RATING (SEE GENERAL NOTE 4)
VARIES BASED ON CONFIGURATIONS. SEE ELEVATION SHEETS.	O/OXO O/XO O/X OXO OX X	SHEETS 2 THROUGH 7	SHEET 10	+/- 50	NONE

SIMPSON DOOR COMPANY 400 SIMPSON AVE. MCCLEARY, WA 98557				PROJECT NO. ACE-2025-134			
TITLE: O/S OPAQUE WOOD DOOR W/ & W/O SIDELITES & TRANSOM GENERAL AND INSTALLATION NOTES							
PREPARED BY: AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RUAENGPE@GMAIL.COM		DRAWN BY: RJA		DATE: 6/18/21			
		SCALE: N.T.S.		DRAWING NO: SIMP0022			
		REV: A		SHEET: 1 OF 11			
		A		UPDATE TO THE 9TH EDITION (2026) FBC		8/14/26	RJA
		REV		DESCRIPTION		DATE	BY

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



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ELEVATION

INTERIOR VIEW

ANCHOR LAYOUT

EXTERIOR VIEW

PROJECT NO. ACE-2025-134

SIMPSON DOOR COMPANY
400 SIMPSON AVE.
MCCLEARY, WA 98557

TITLE: O/S OPAQUE WOOD DOOR W/ & W/O SIDELITES & TRANSOM

PREPARED BY:	DRAWN BY:	DATE:
MANOBISSO CONSULTING ENG. LLC	DIA	6/18/24

SCALE:	RJA	6/18/21
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SCALE:	RJA	6/18/21
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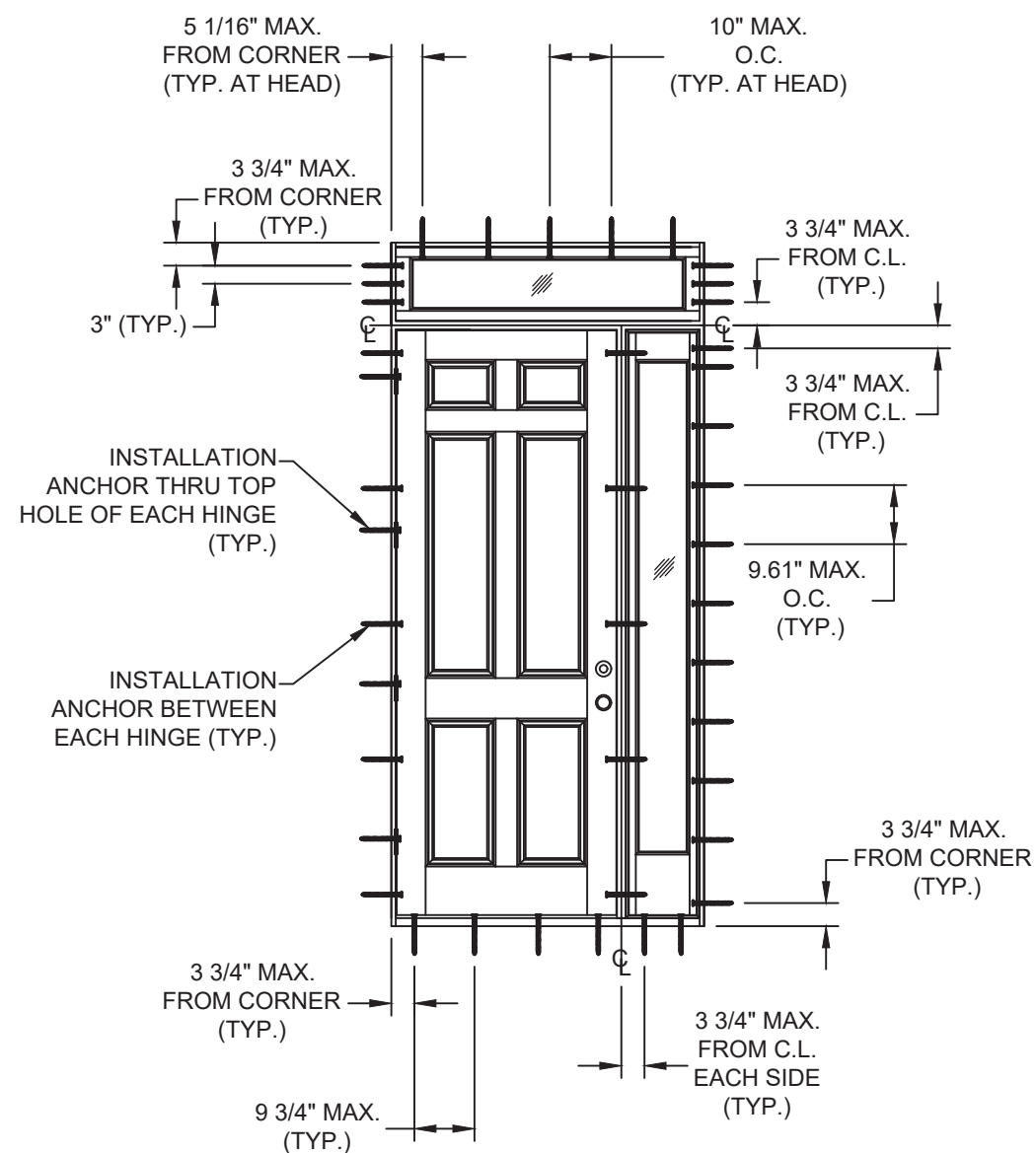
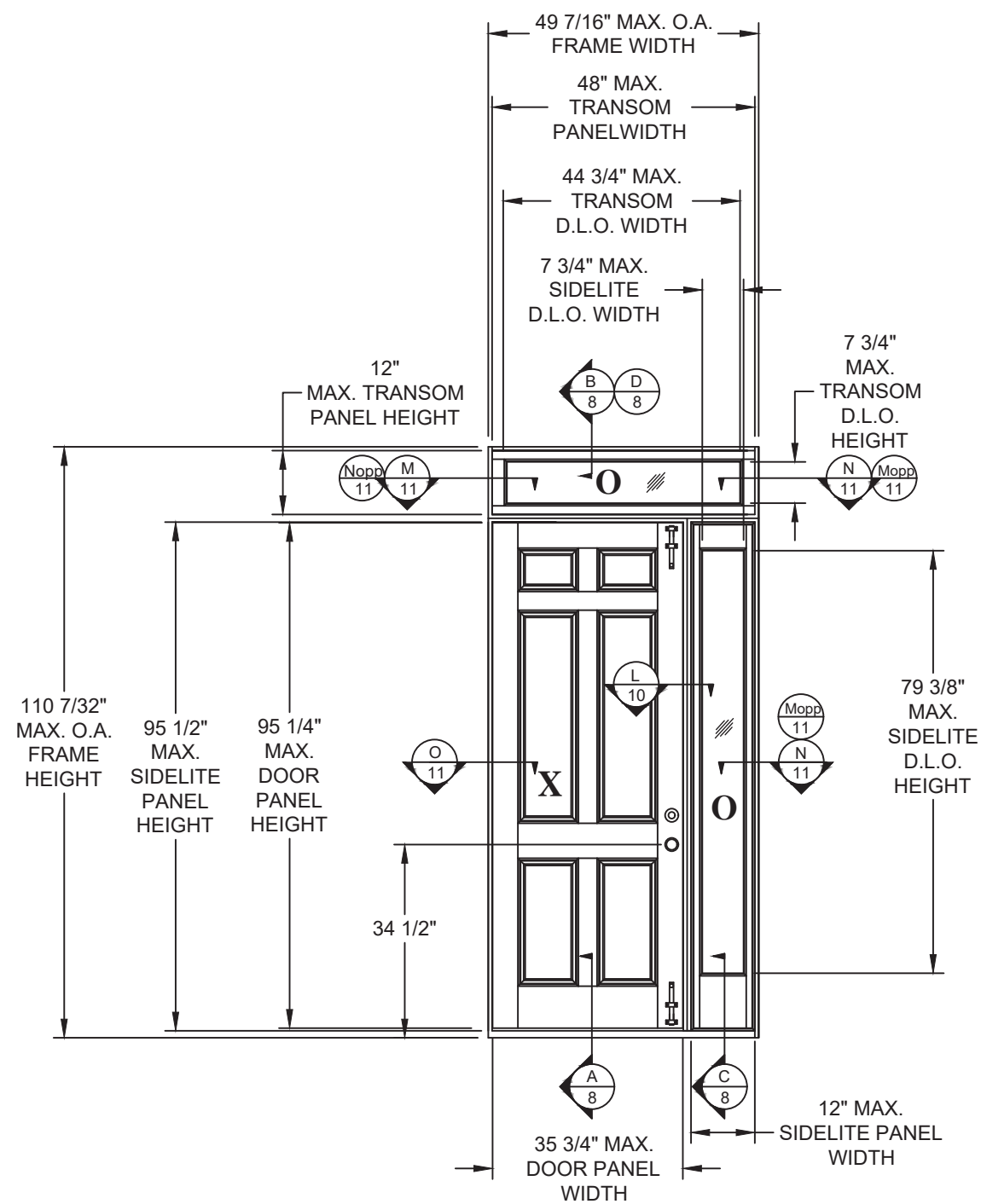
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SCALE:	DRAWING NO:	6/18/21
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400 SIMPSON AVE.
MCCLEARY, WA 98557

TITLE: O/S OPAQUE WOOD DOOR W/ & W/O SIDELITES & TRANSOM
ELEVATION AND ANCHOR LAYOUT

PREPARED BY: AMORUSO CONSULTING ENG., LLC	DRAWN BY: RJA	DATE: 6/18/21
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DRAWN BY: RJA	DATE: 6/18/21
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SCALE:	DRAWING NO:
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N.T.S.	SIMP0022
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DATE: 6/18/21

DRAWING NO:

SIMP0022

UPDATE TO THE 9TH

EDITION (2026) FBC

DESCRIPTION

DESCRIPTION

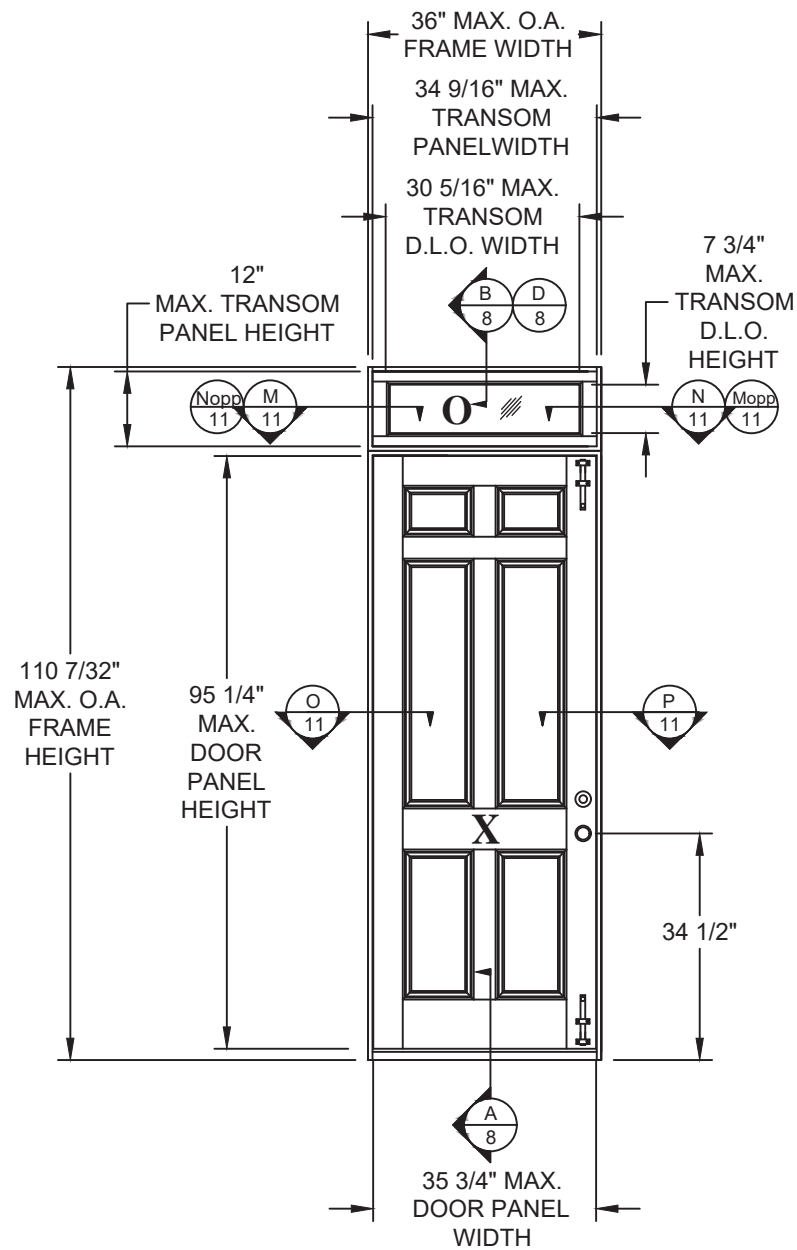
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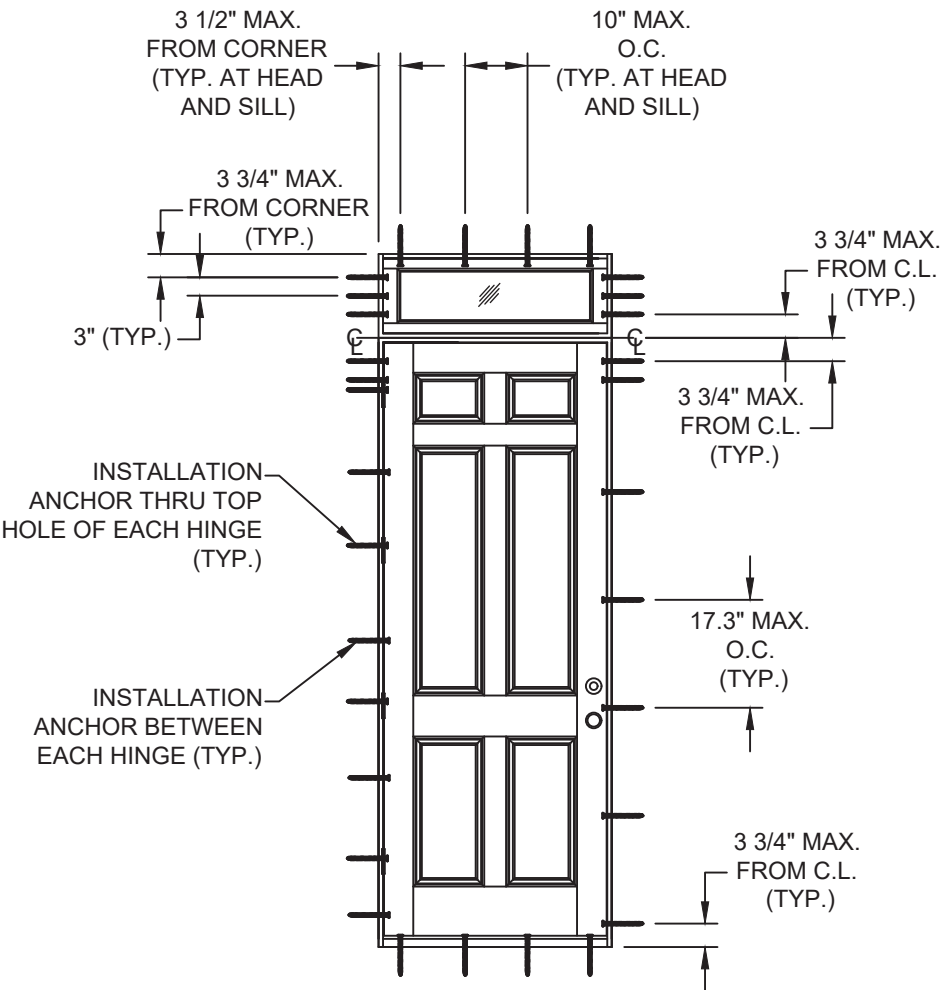
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ELEVATION
INTERIOR VIEW



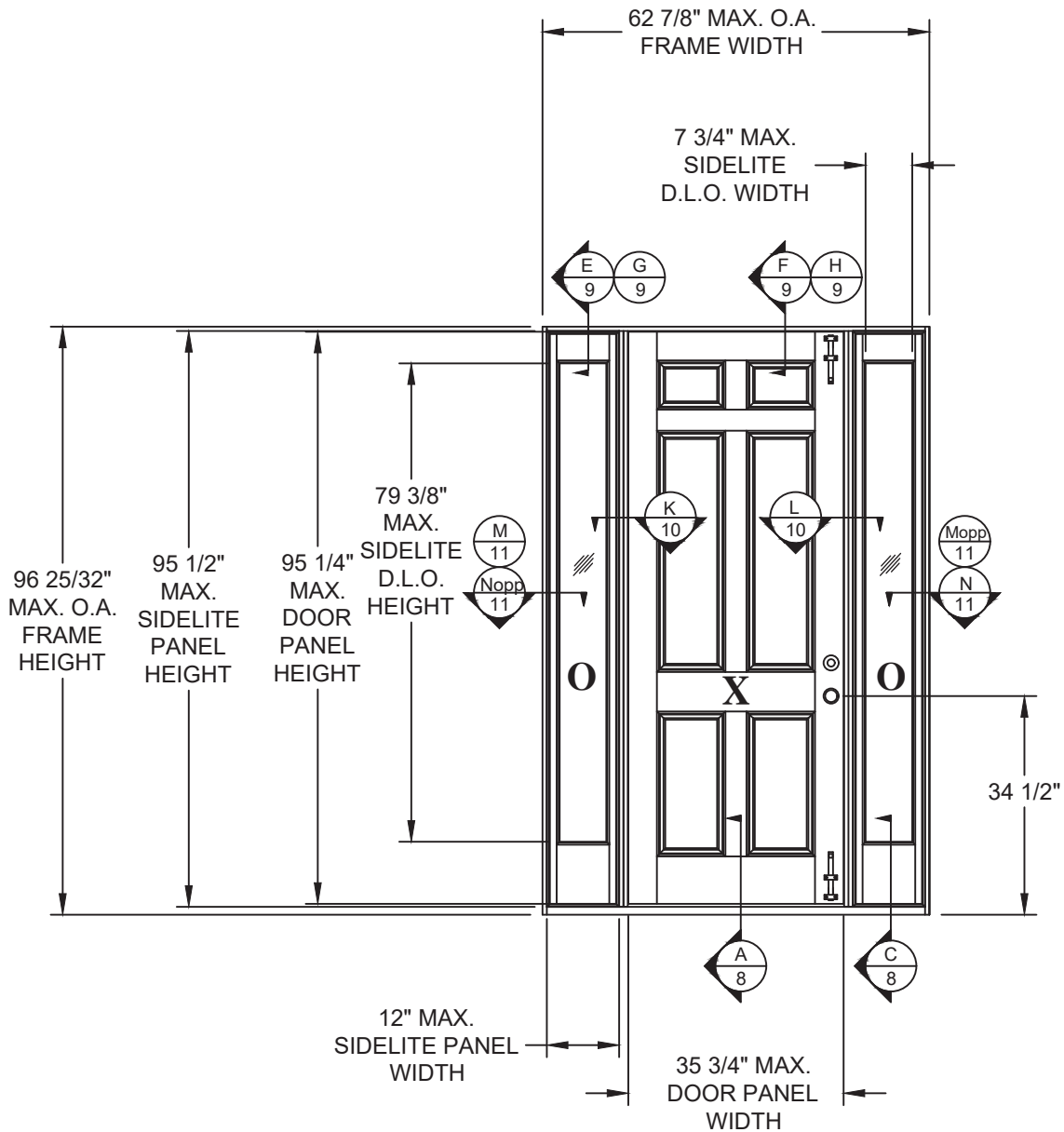
ANCHOR LAYOUT
EXTERIOR VIEW

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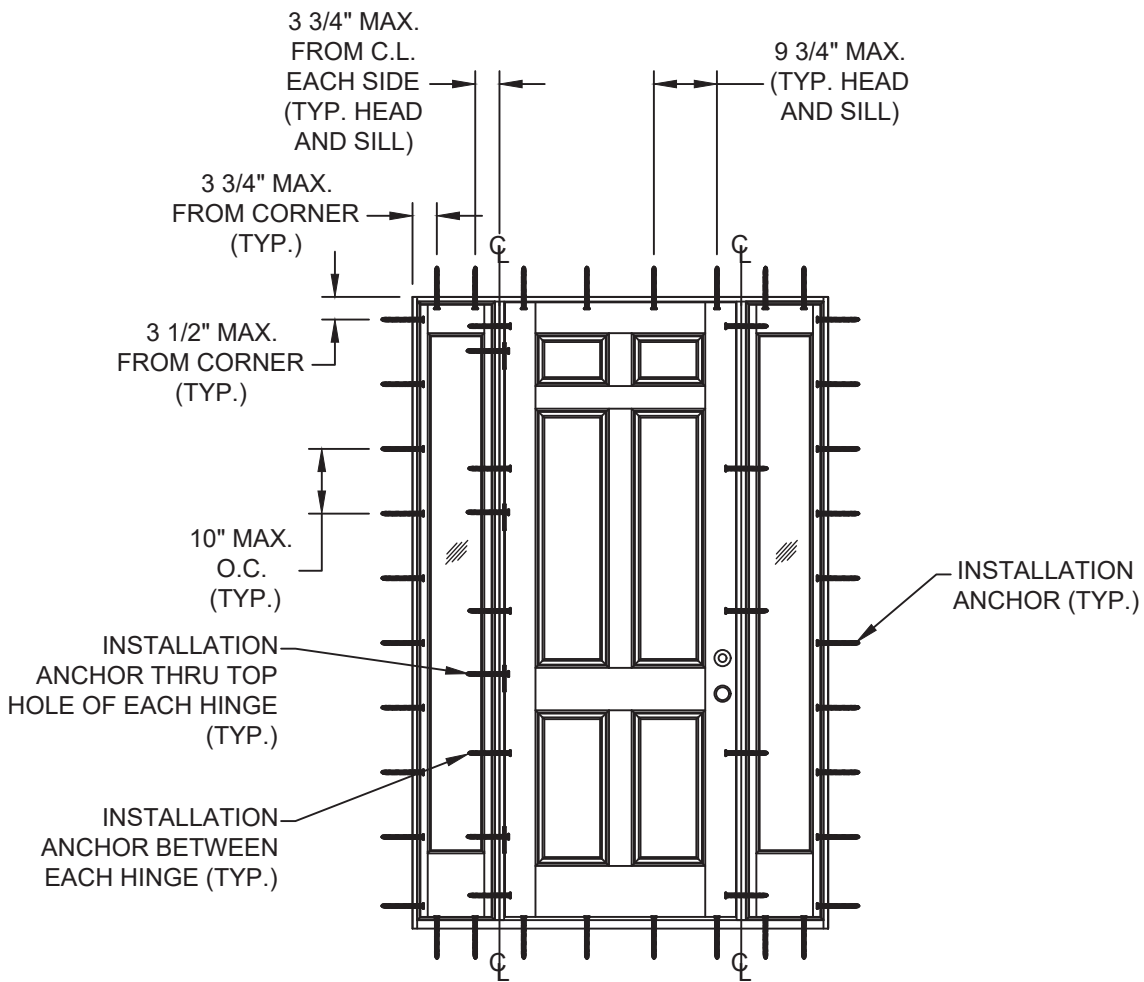


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PROJECT NO. ACE-2025-134					
SIMPSON DOOR COMPANY 400 SIMPSON AVE. MCCLEARY, WA 98557	O/S OPAQUE WOOD DOOR W/ & W/O SIDELITES & TRANSOM ELEVATION AND ANCHOR LAYOUT	PREPARED BY: AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM	DRAWN BY: RJA	DATE: 6/18/21	BY RJA
TITLE: O/S OPAQUE WOOD DOOR W/ & W/O SIDELITES & TRANSOM ELEVATION AND ANCHOR LAYOUT	DRAWING NO: SIMP0022	SCALE: N.T.S.	REV: A	DESCRIPTION	DATE
PROJECT NO. ACE-2025-134	SHEET 4 OF 11	REV A	DESCRIPTION	DATE	BY



ELEVATION
INTERIOR VIEW



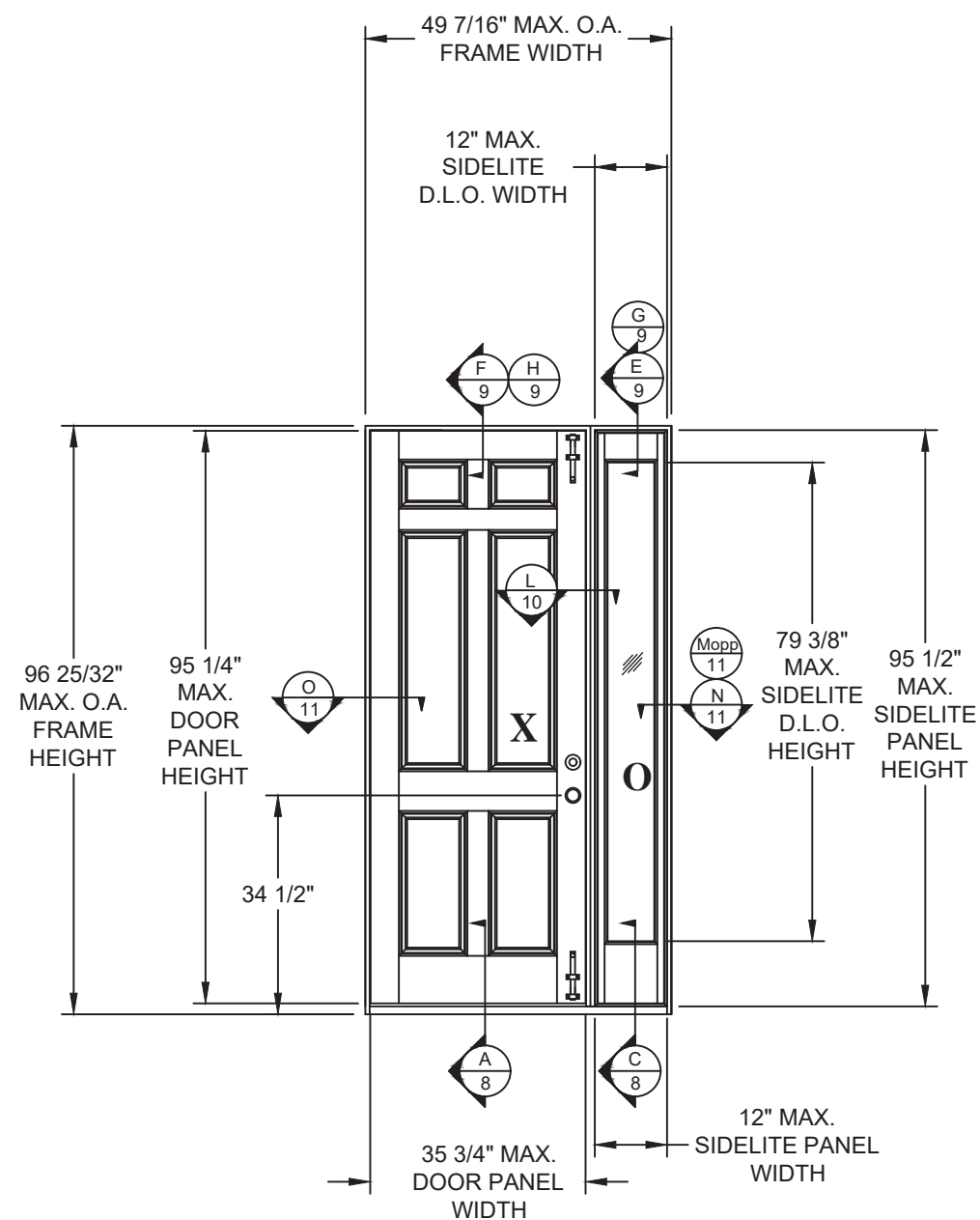
ANCHOR LAYOUT
EXTERIOR VIEW

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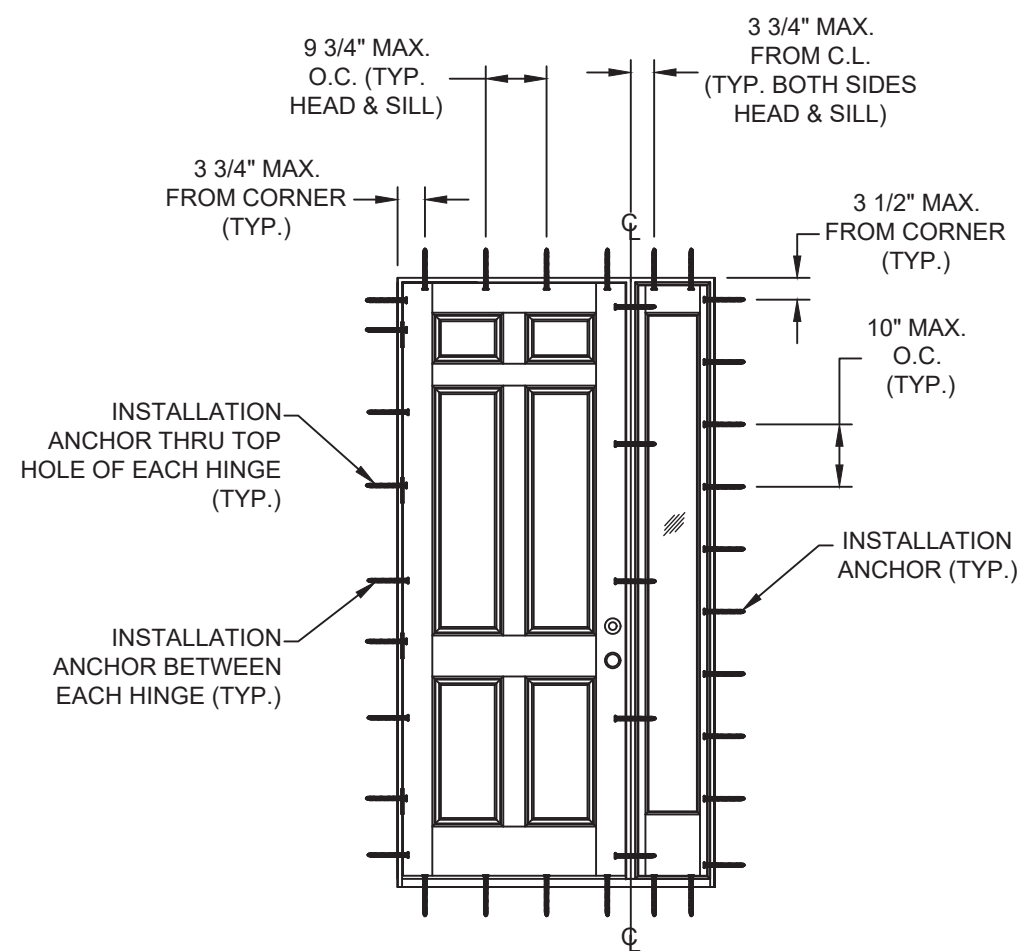
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SIMPSON DOOR COMPANY 400 SIMPSON AVE. MCCLEARY, WA 98557				PROJECT NO. ACE-2025-134			
TITLE: O/S OPAQUE WOOD DOOR W/ & W/O SIDELITES & TRANSOM ELEVATION AND ANCHOR LAYOUT				DRAWN BY:			
				RJA			
				SCALE:			
				N.T.S.			
				REV:			
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM				A	UPDATE TO THE 9TH EDITION (2026) FBC	8/14/26	RJA
				REV	DESCRIPTION	DATE	BY



ELEVATION

INTERIOR VIEW



ANCHOR LAYOUT

EXTERIOR VIEW

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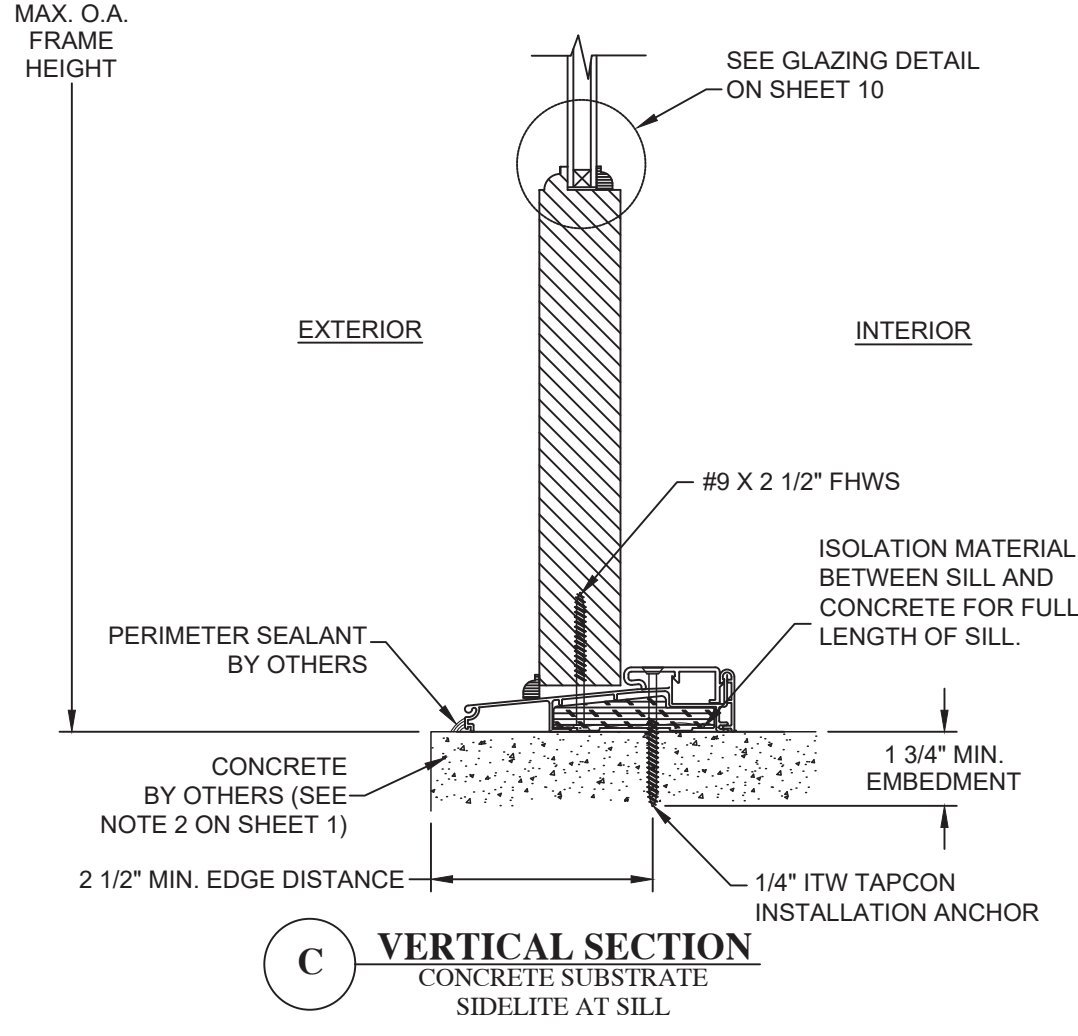
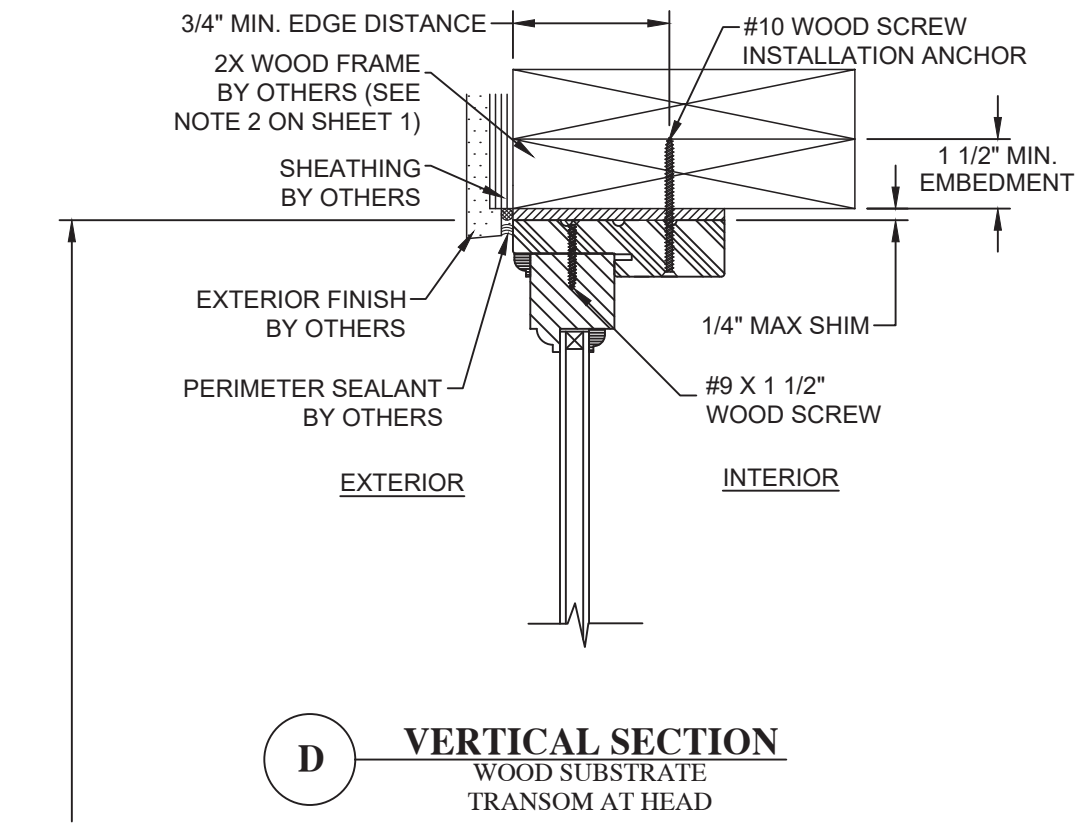
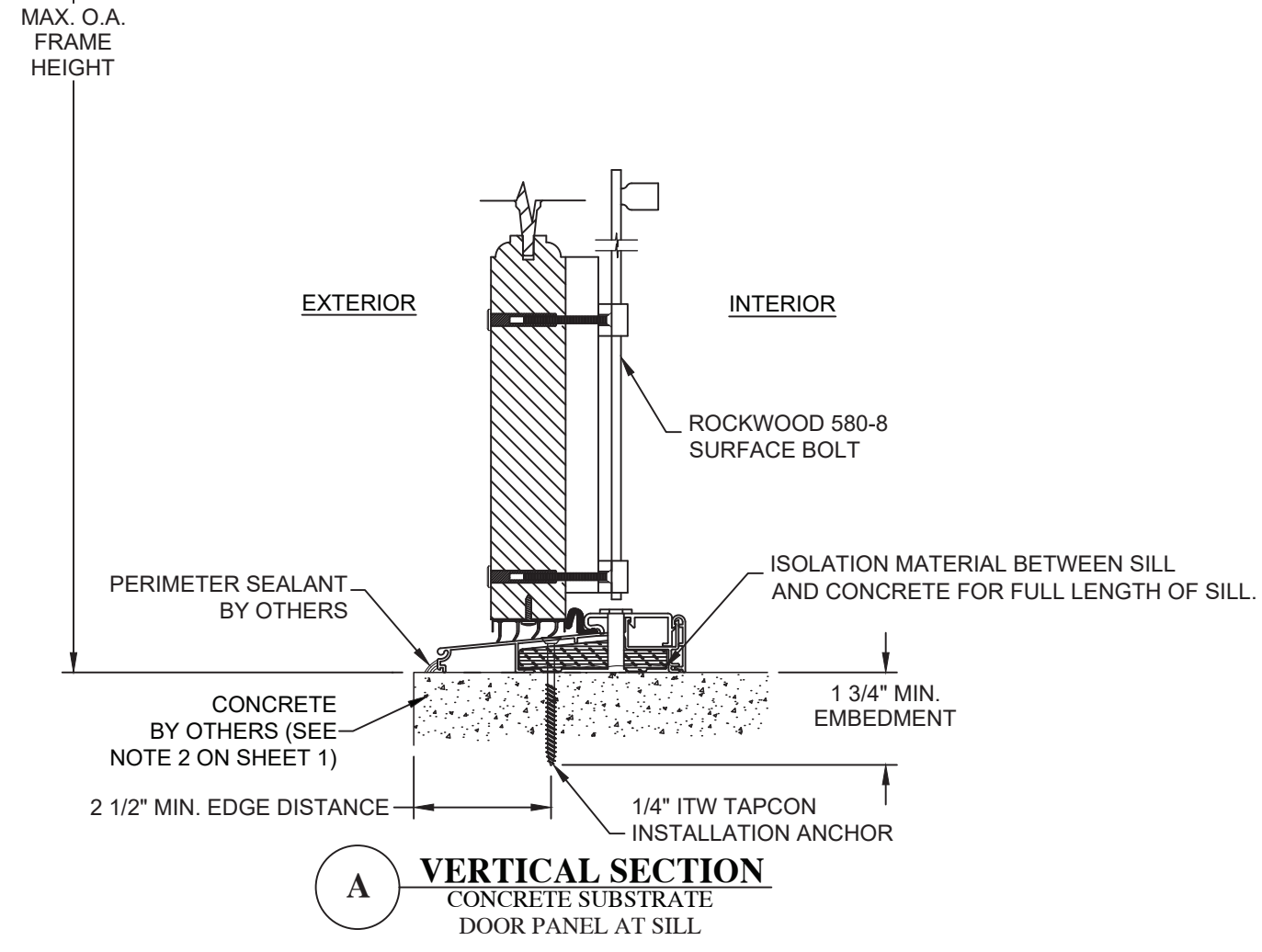
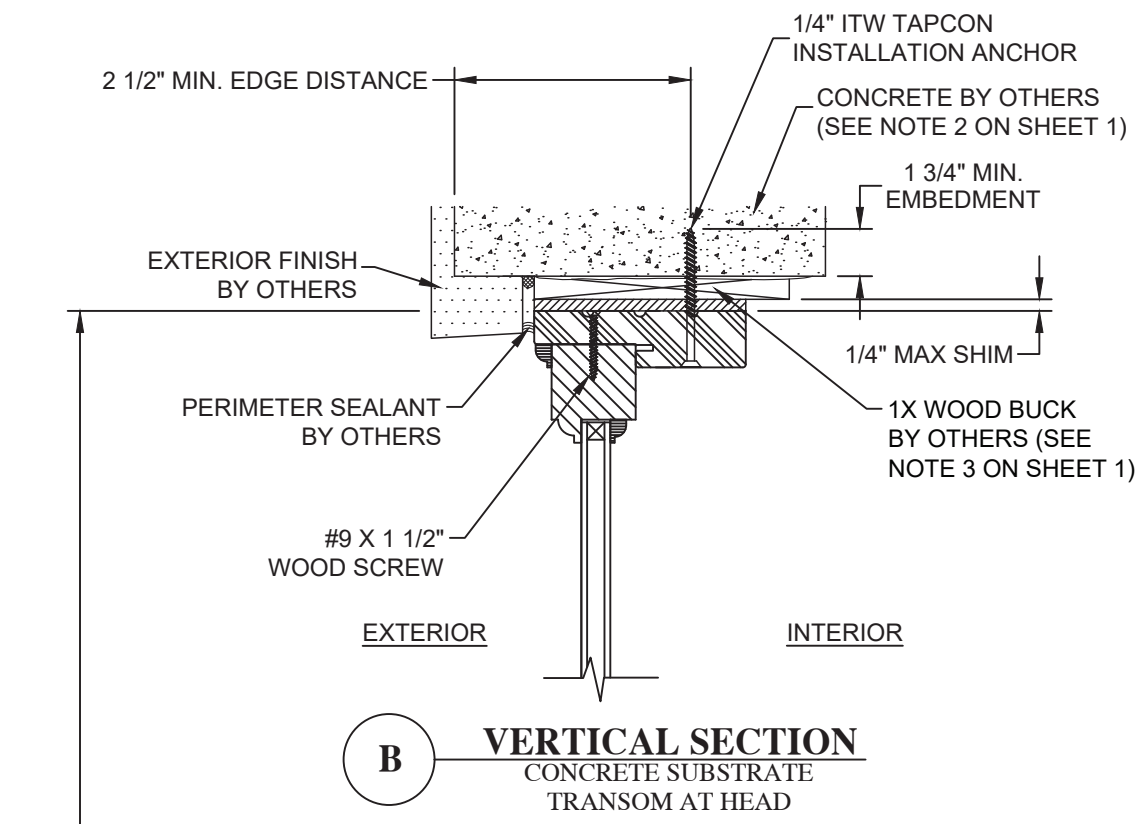
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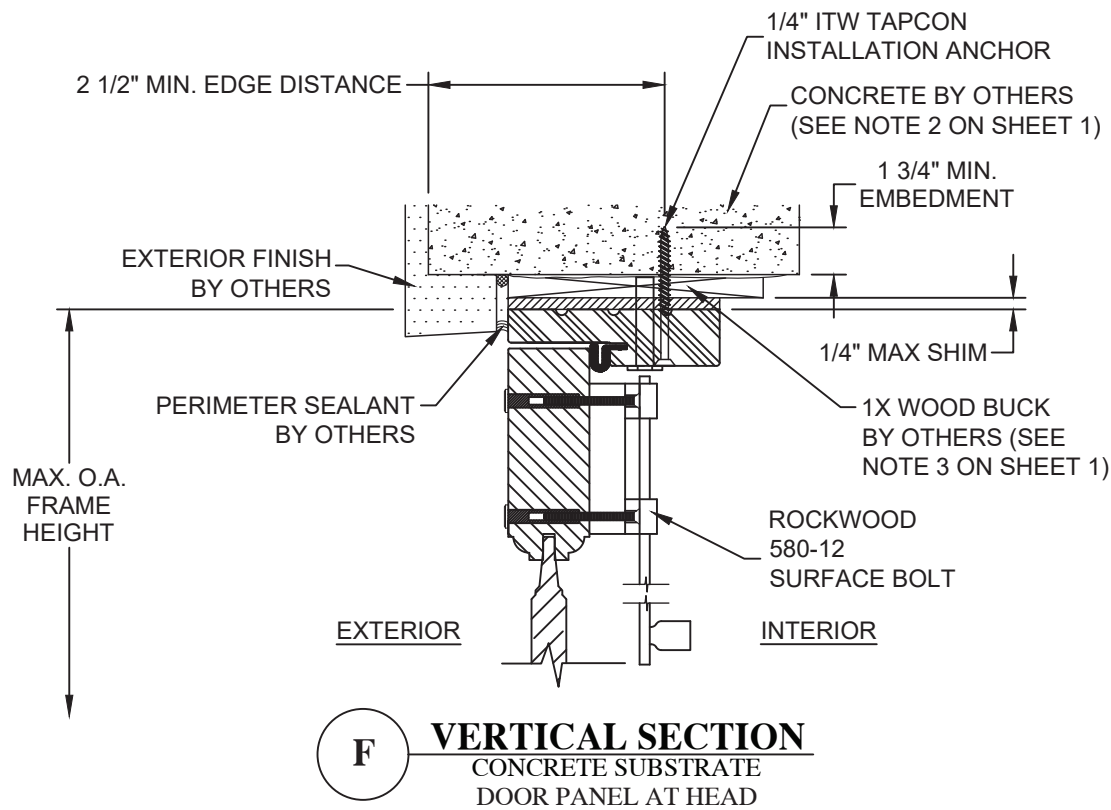


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				8/14/26	DATE
			UPDATE TO THE 9TH EDITION (2026) FBC		DESCRIPTION
		A	REV		
SIMPSON DOOR COMPANY 400 SIMPSON AVE. MCCLEARY, WA 98557		DRAWN BY: RJA		DATE: 6/18/21	
TITLE: O/S OPAQUE WOOD DOOR W/ & W/O SIDELITES & TRANSOM VERTICAL SECTIONS		SCALE: N.T.S.		DRAWING NO: SIMP0022	
PREPARED BY: AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM		REV: A		SHEET: 8 OF 11	

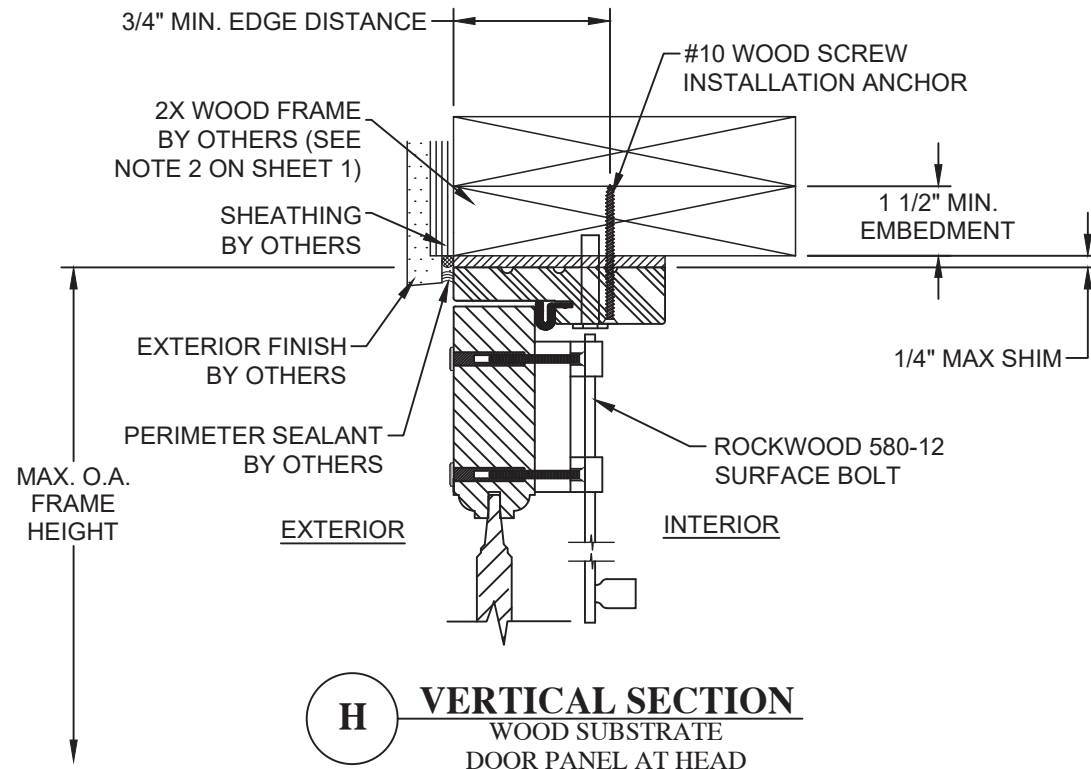
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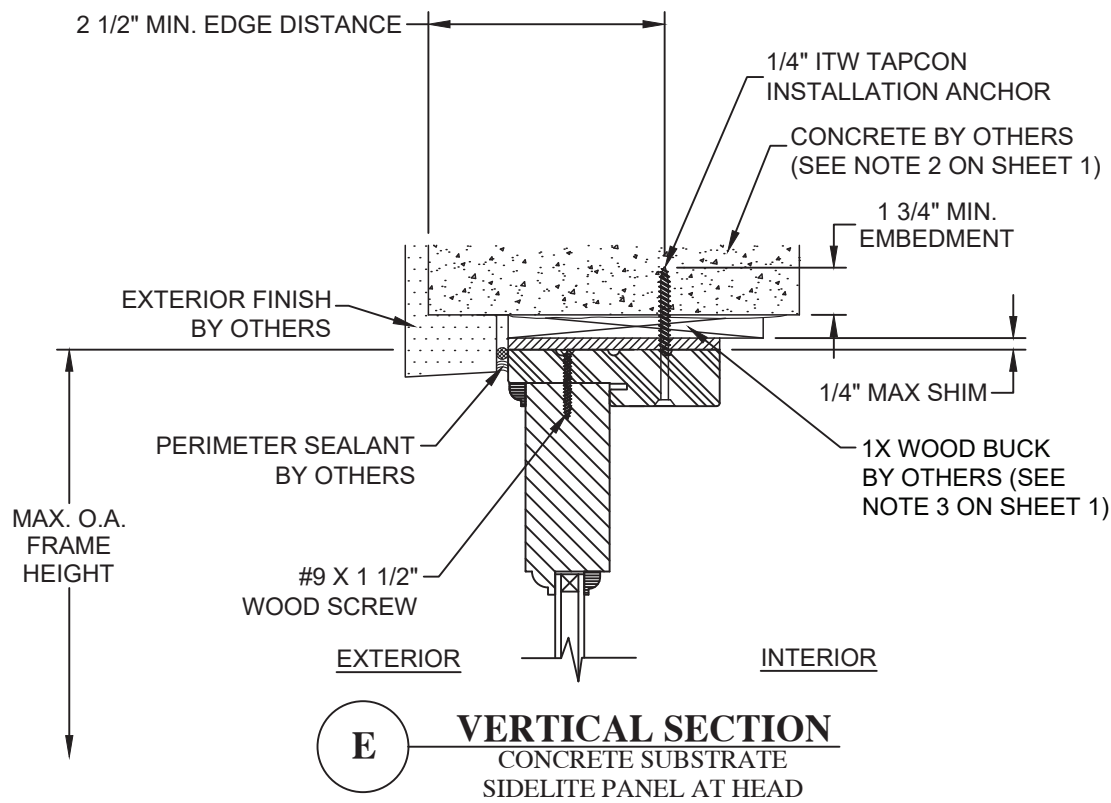
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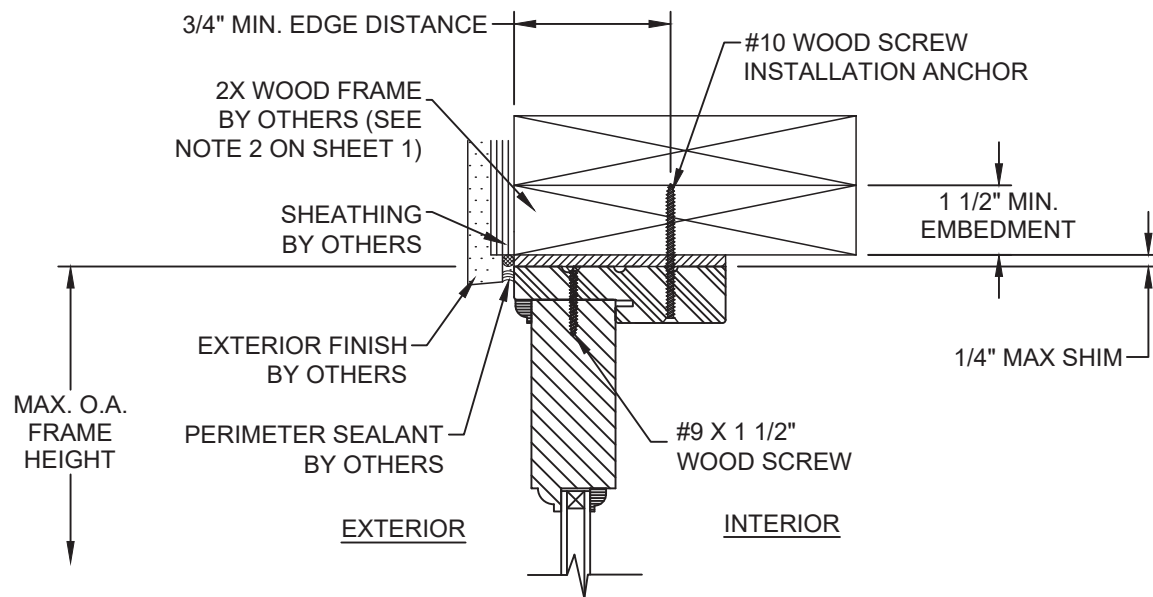
F **VERTICAL SECTION**
CONCRETE SUBSTRATE
DOOR PANEL AT HEAD



H **VERTICAL SECTION**
WOOD SUBSTRATE
DOOR PANEL AT HEAD



E **VERTICAL SECTION**
CONCRETE SUBSTRATE
SIDELITE PANEL AT HEAD



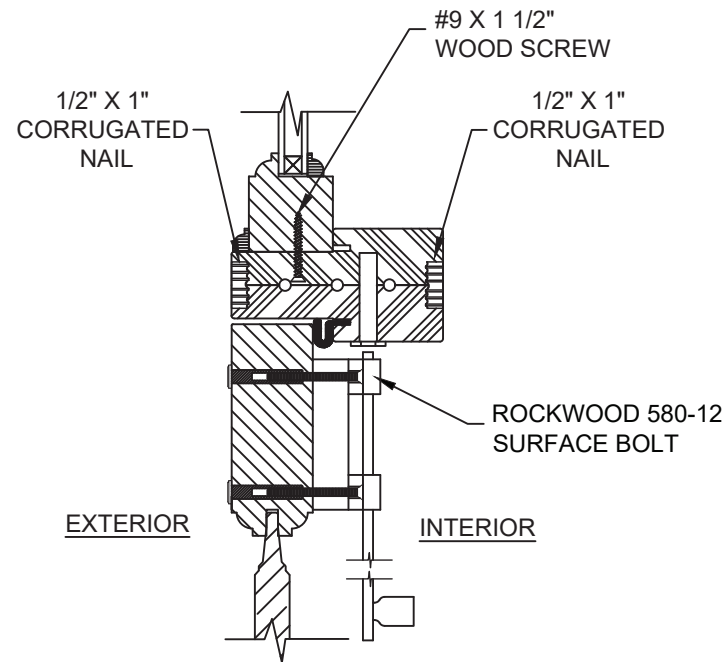
G **VERTICAL SECTION**
WOOD SUBSTRATE
SIDELITE PANEL AT HEAD

PROJECT NO. ACE-2025-134					
SIMPSON DOOR COMPANY 400 SIMPSON AVE. MCCLEARY, WA 98557 TITLE: O/S OPAQUE WOOD DOOR W/ & W/O SIDELITES & TRANSOM VERTICAL SECTIONS	DRAWN BY: RJA	DATE: 6/18/21	SCALE: N.T.S.	REV: A	BY
					DATE
					DESCRIPTION
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM	RJA	6/18/21	N.T.S.	A	8/14/26
					9 OF 11
					UPDATE TO THE 9TH EDITION (2026) FBC

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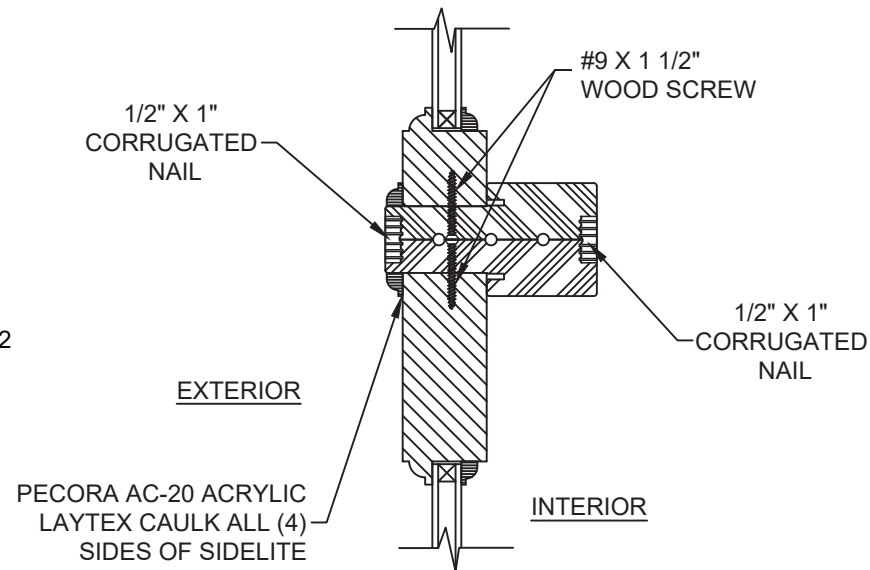


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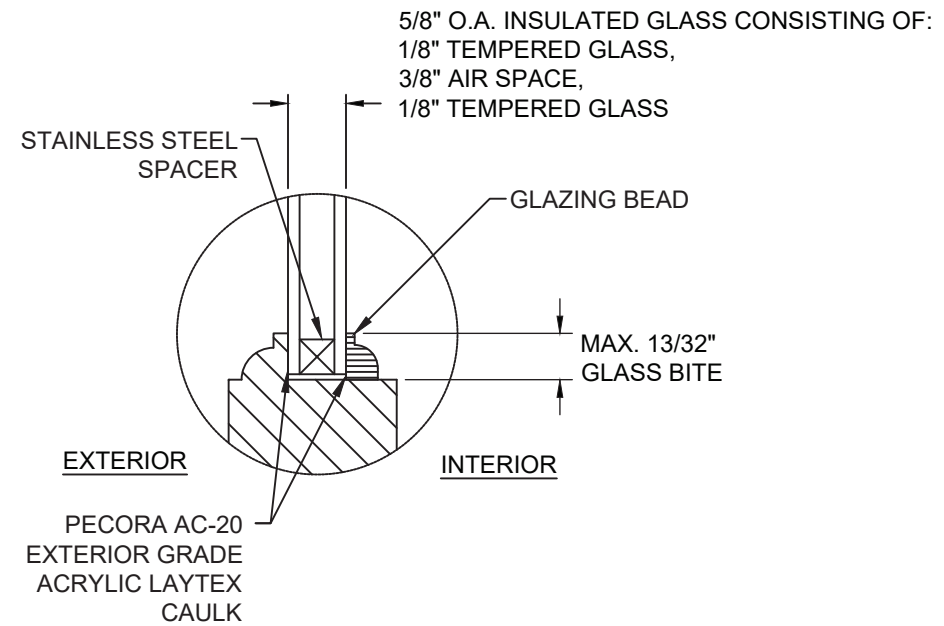
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VERTICAL SECTION
DOUBLE JAMB HORIZONTAL MULL
AT DOOR PANEL

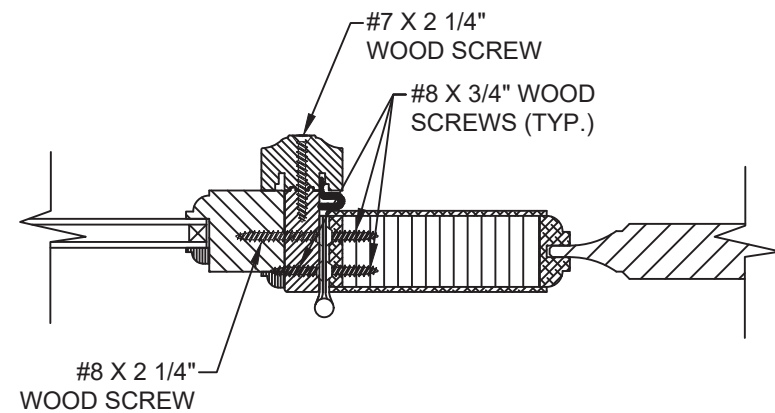


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VERTICAL SECTION
DOUBLE JAMB HORIZONTAL MULL
AT SIDELITE PANEL

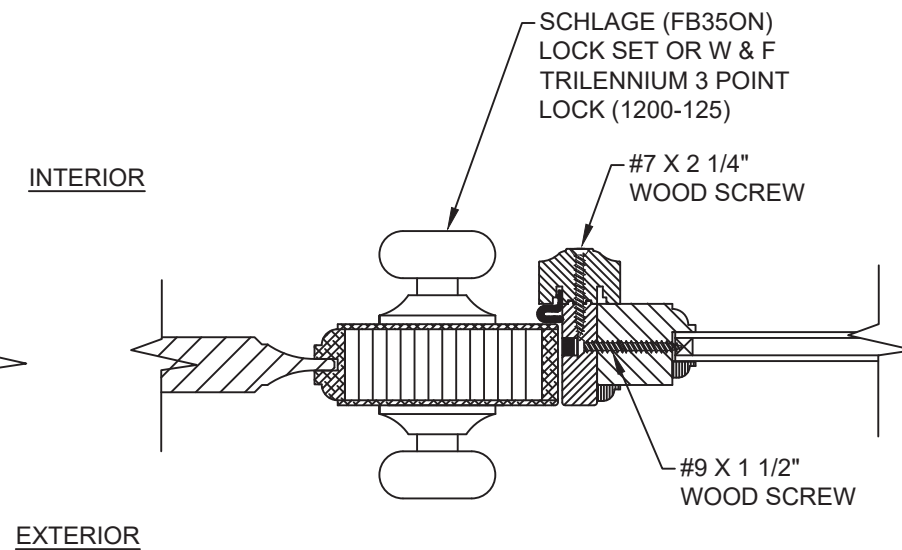


GLAZING DETAIL



K

HORIZONTAL SECTION
HINGE STILE AT VERTICAL MULL



L

HORIZONTAL SECTION
LOCK STILE AT VERTICAL MULL

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SIMPSON DOOR COMPANY
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MCCLEARY, WA 98557

TITLE: O/S OPAQUE WOOD DOOR W/ & W/O SIDELITES & TRANSOM
VERTICAL & HORIZONTAL SECTIONS, GLAZING DETAIL

DATE:	6/18/21
DRAWN BY:	RJA
SCALE:	N.T.S.
REV:	A
DRAWING NO:	SIMP0022
SHEET:	10 OF 11

BY	RJA
DATE	8/14/26
DESCRIPTION	UPDATE TO THE 9TH EDITION (2026) FBC
REV	A

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SIMPSON DOOR COMPANY 400 SIMPSON AVE. MCCLEARY, WA 98557				PROJECT NO. ACE-2025-134			
TITLE: O/S OPAQUE WOOD DOOR W/ & W/O SIDELITES & TRANSOM HORIZONTAL SECTIONS				DRAWN BY:			
				DATE:			
				6/18/21			
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 PLANNING@AMORUSO.COM				SCALE:	RJA		
				REV:	N.T.S.		
				SHEET:	SIMP0022		
					11 OF 11		
				REV:	A		
				DESCRIPTION	8/14/26		DATE
				REV	A		BY
				UPDATE TO THE 9TH EDITION (2026) FBC			

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