

SIMPSON DOOR COMPANY

SERIES “MULLED WOODEN TRIPLE TRANSOM” GLAZED FIXED UNIT W/SIDE-MOUNTED WOODEN THRESHOLD

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

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-210-4190-7 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. TRANSOM 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. SEE SHEET 4 FOR GLAZING DETAILS.

7. DESIGNATION "O" STANDS FOR THE FOLLOWING:
O: FIXED PANEL

INSTALLATION NOTES:

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.

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 APPLICATIONS DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS.

8. 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.

9. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

9.1 WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42 (NON-HVHZ).

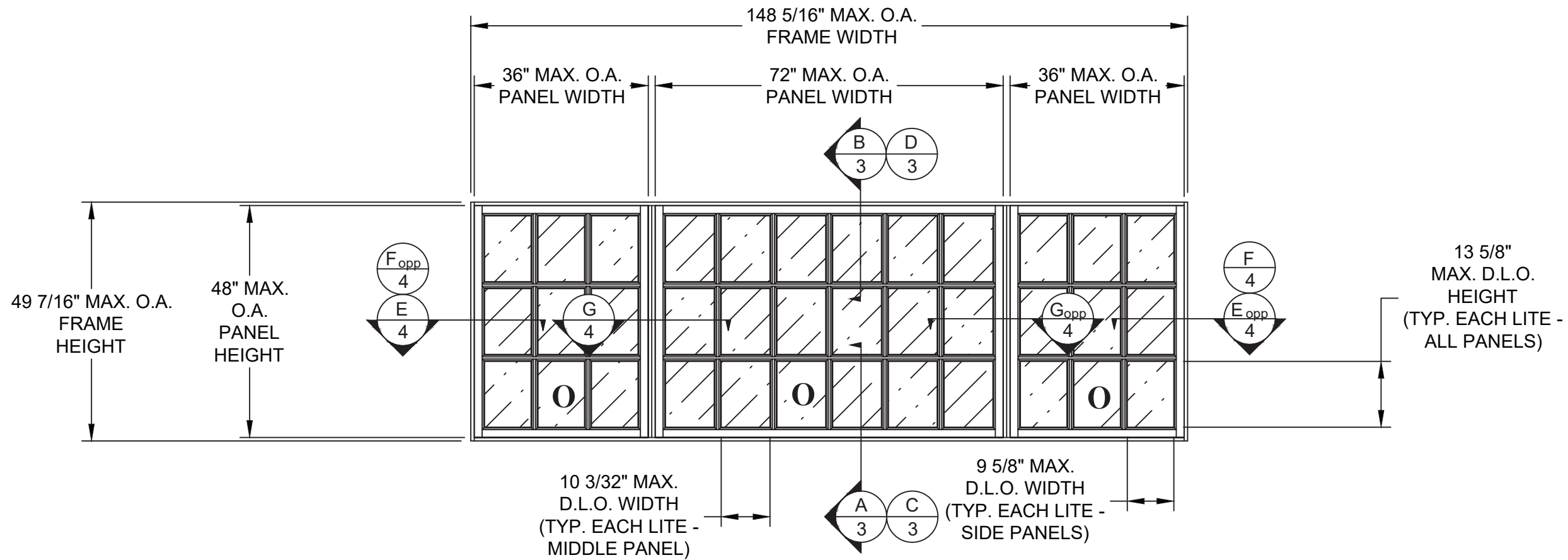
9.2 CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

9.3 MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 MEDIUM WEIGHT WITH COMPRESSIVE STRENGTH OF 1900 psi (DENSITY > 117 PCF).

10. INSTALLATION FASTENER MATERIAL/SURFACE TREATMENT REQUIREMENTS.

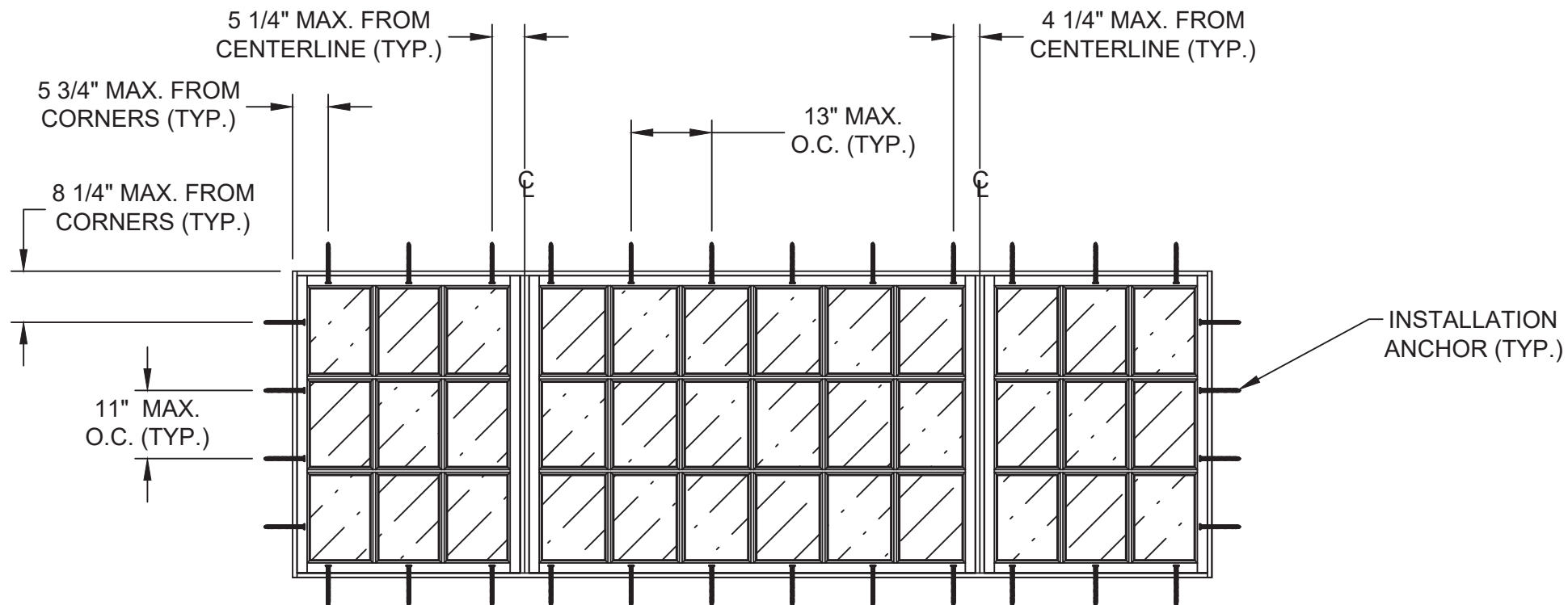
10.1 ALL FASTENERS TO BE CORROSION RESISTANT AND/OR HAVE A CORROSION RESISTANT COATING.

10.2 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) FRC WHEN APPLICABLE.
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| 3 | VERTICAL SECTIONS |
| 4 | HORIZONTAL SECTIONS & GLAZING DETAIL |
- | PERFORMANCE RATING | | | | | |
|----------------------|---------|-----------|----------------|-----------------------|------------------------------------|
| MAXIMUM FRAME SIZE | CONFIG. | ELEVATION | GLAZING DETAIL | DESIGN PRESSURE (PSF) | IMPACT RATING (SEE GENERAL NOTE 4) |
| 148-5/16" X 49-7/16" | OOO | SHEET 2 | SHEET 4 | +/- 50 | NONE |
- | | | | | | |
|--|---|---|--------------------------------------|-------------|----------|
| PROJECT NO. ACE-2025-134 | | | | RJA | BY |
| | | | | 8/14/26 | DATE |
| | | | UPDATE TO THE 9TH EDITION (2026) FBC | A | REV |
| | | | DESCRIPTION | | |
| SIMPSON DOOR COMPANY
400 SIMPSON AVE.
MCCLEARY, WA 98557 | TITLE:
MULLED TRIPLE TRANSOM / FIXED WINDOW GENERAL AND INSTALLATION NOTES | DRAWN BY: | RJA | DATE: | 6/8/21 |
| | | SCALE: | N.T.S. | DRAWING NO: | SIMP0025 |
| | | REV: | A | SHEET: | 1 OF 4 |
| | | PREPARED BY:
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226 N NOVA RD, NO. 142
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- Robert J. Amoruso, P.E.
Florida P.E. No. 49752
-
- SIGNED/SEALED: 8/14/26



ELEVATION

FRAME, PANEL AND D.L.O. ABOVE BASED ON ACTUAL TEST
SPECIMEN SIZE
EXTERIOR VIEW



ANCHOR LAYOUT

EXTERIOR VIEW

PROJECT NO. ACE-2025-134

SIMPSON DOOR COMPANY
400 SIMPSON AVE.
MCCLEARY, WA 98557

TITLE: MULLED TRIPLE TRANSOM / FIXED WINDOW
ELEVATION & ANCHOR LAYOUT

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REV: A

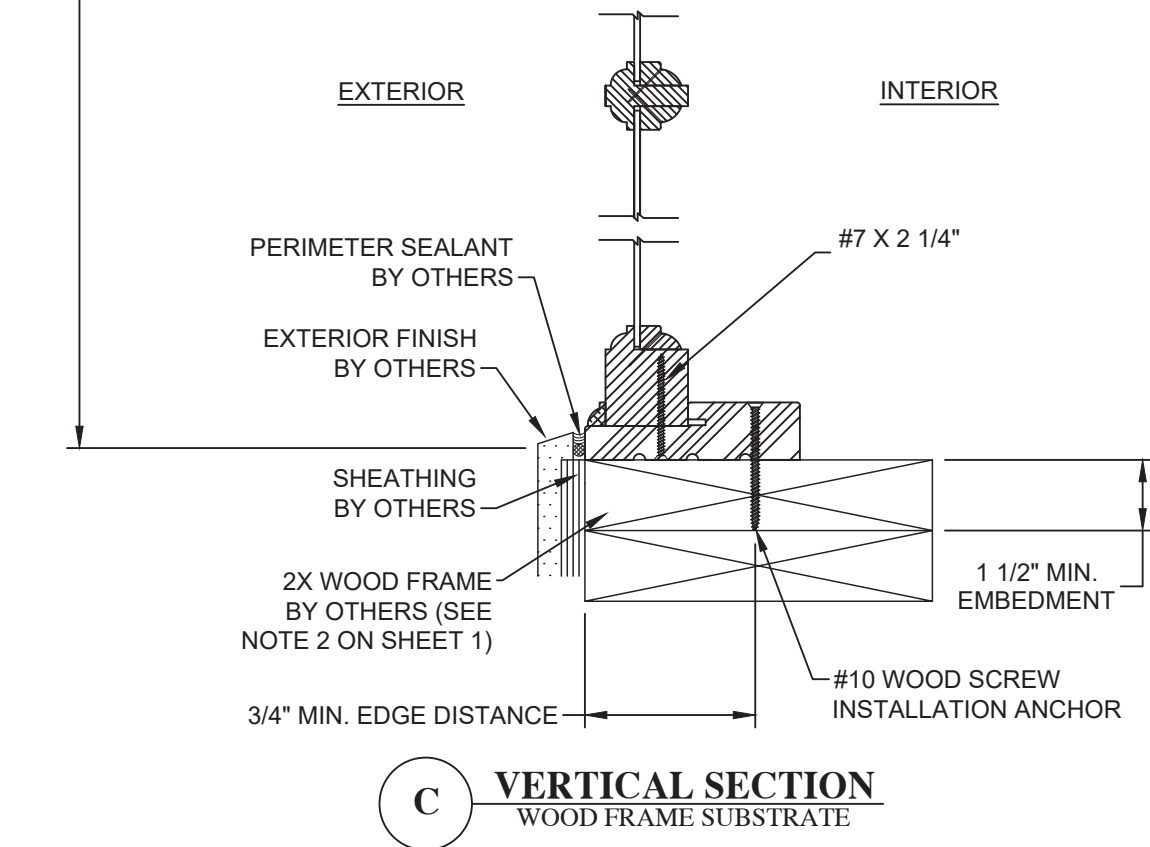
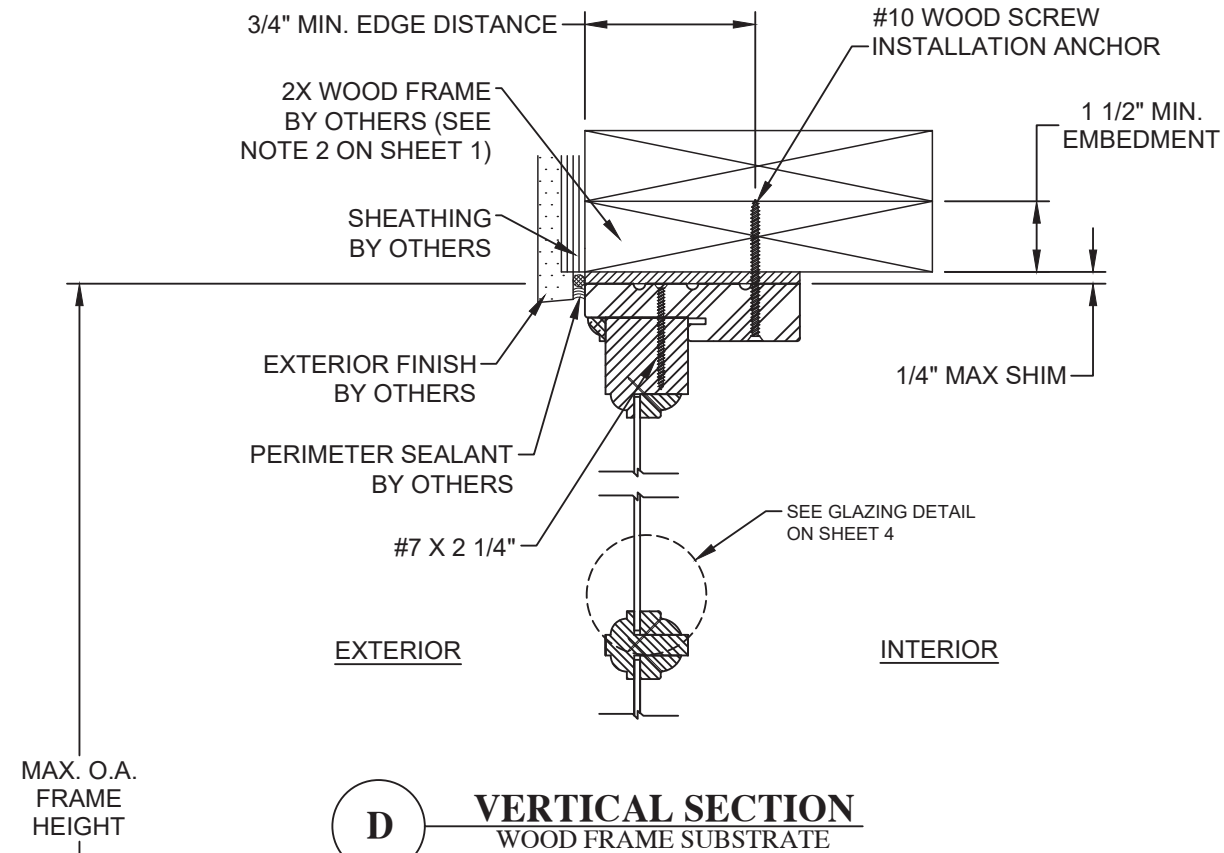
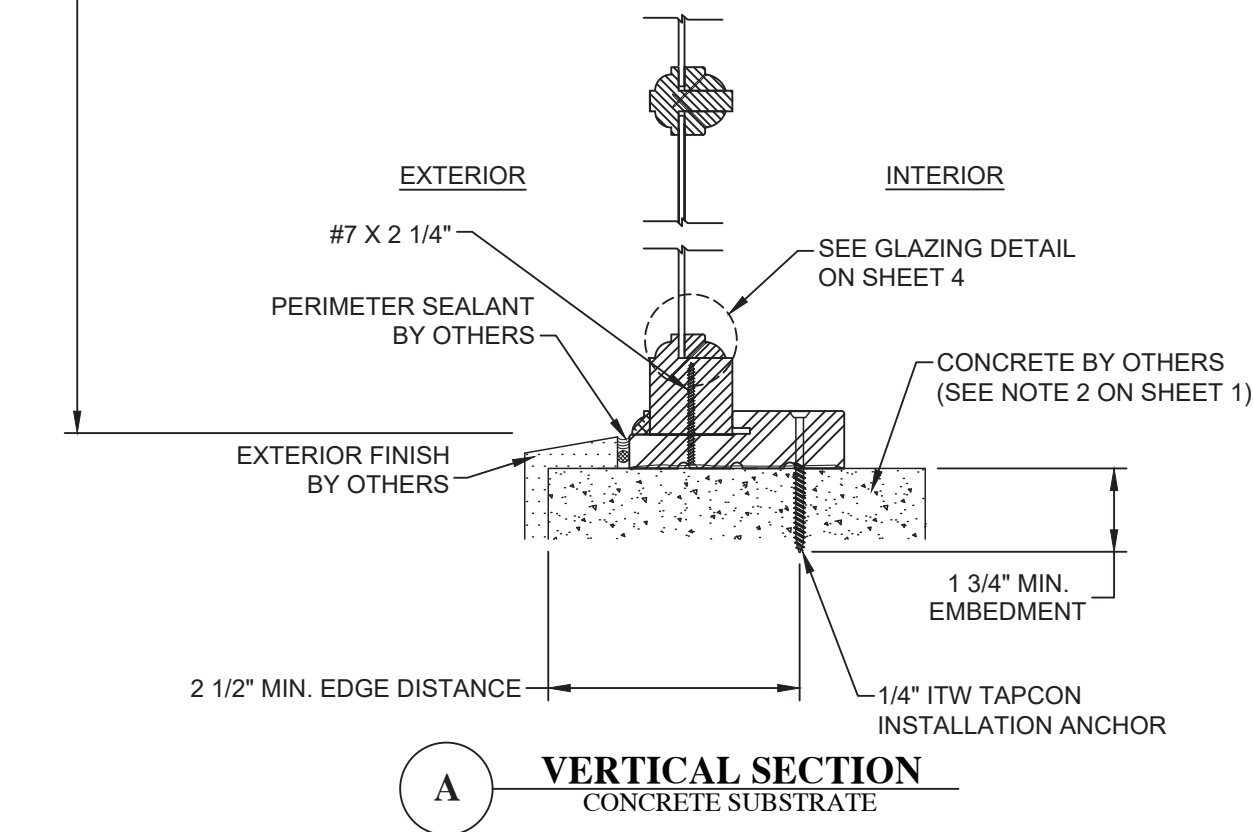
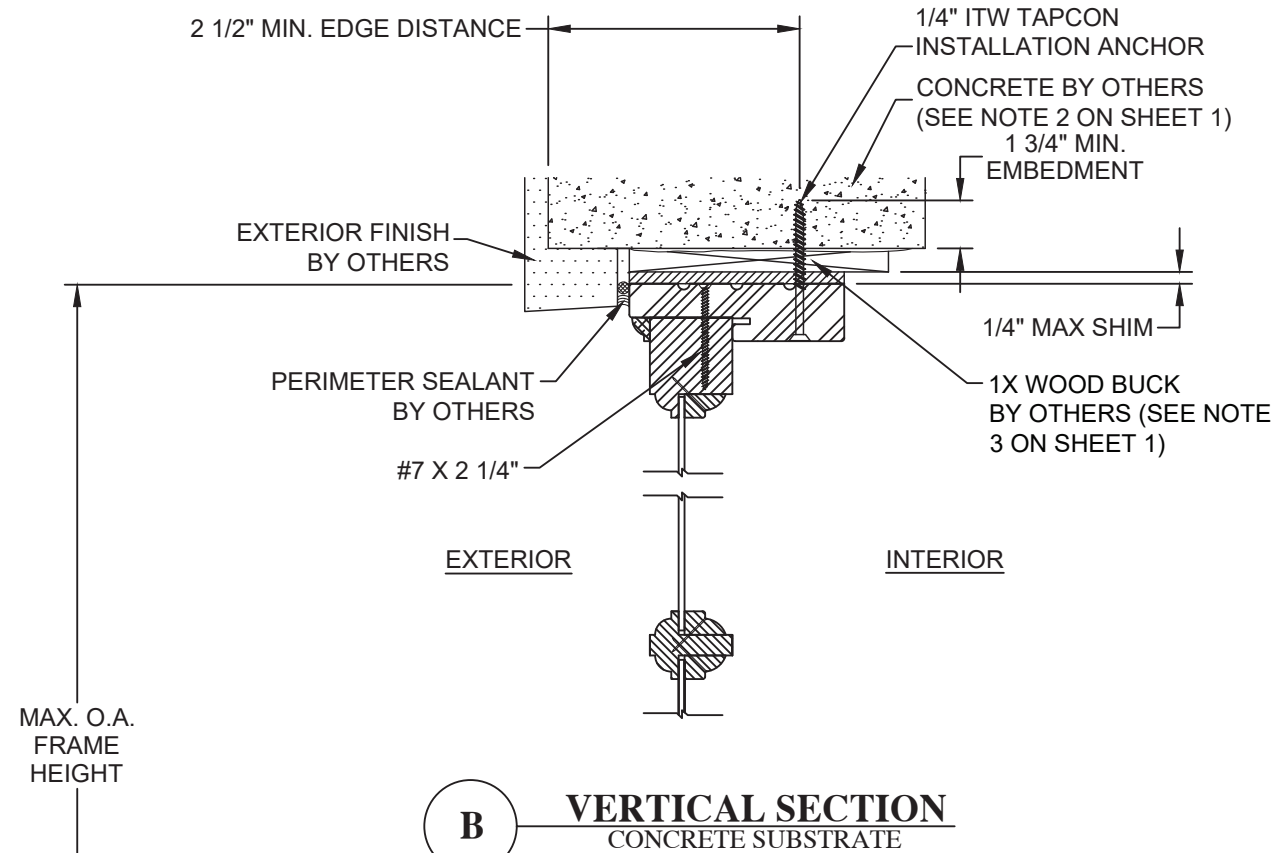
DATE: 6/8/21
DRAWING NO: SIMP0025
SHEET: 2 OF 4

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

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SIGNED/SEALED: 8/14/26



PROJECT NO. ACE-2025-134

SIMPSON DOOR COMPANY
400 SIMPSON AVE.
MCCLEARY, WA 98557

TITLE: MULLED TRIPLE TRANSOM / FIXED WINDOW
VERTICAL SECTIONS

PREPARED BY:
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226 N NOVA RD, NO. 142
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RIAENGPE@GMAIL.COM

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SCALE: N.T.S.
REV: A
DATE: 6/8/21
DRAWING NO: SIMP0025
SHEET: 3 OF 4

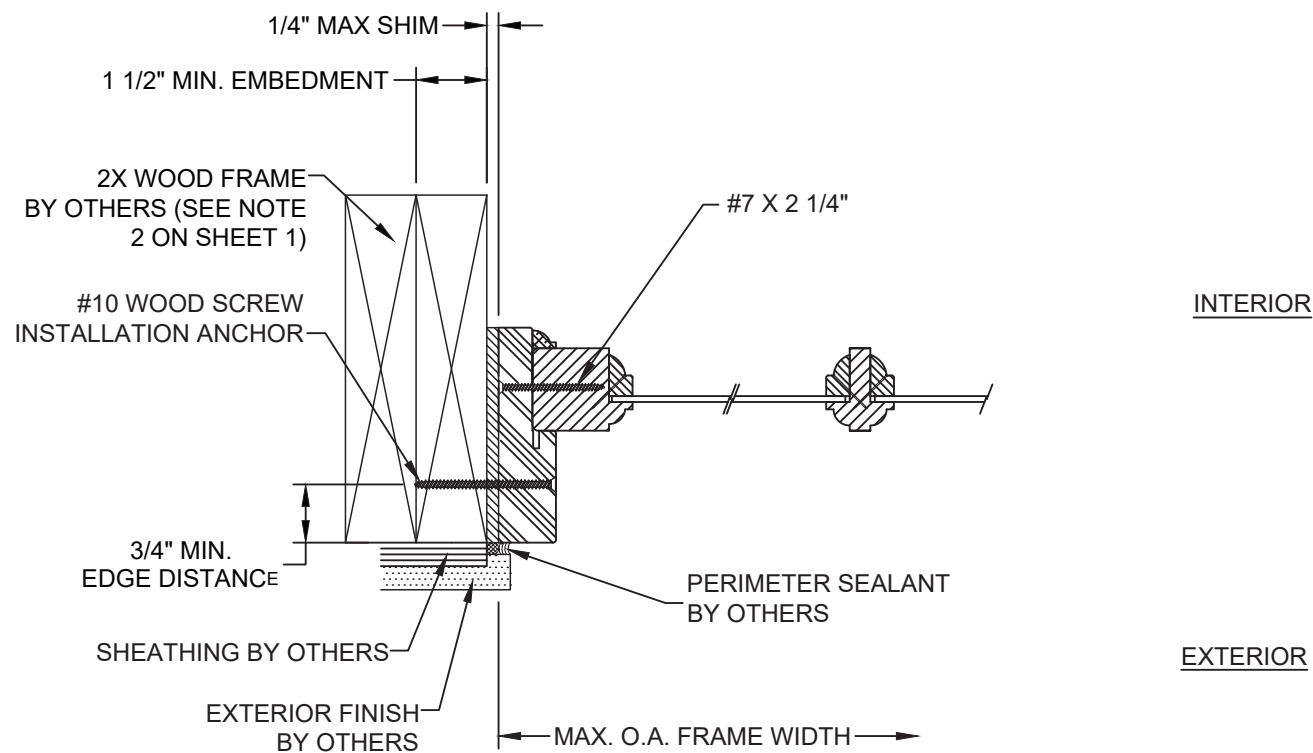
REV
DESCRIPTION
DATE
BY

8/14/26
RJA
UPDATE TO THE 9TH
EDITION (2026) FBC

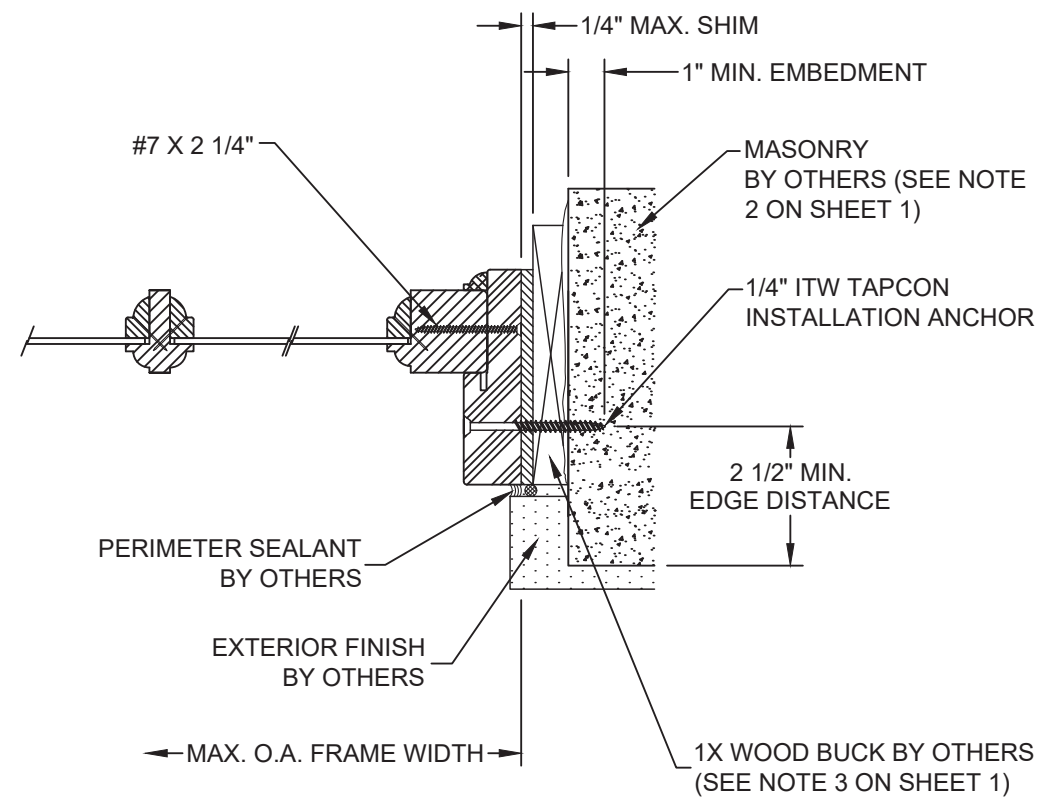
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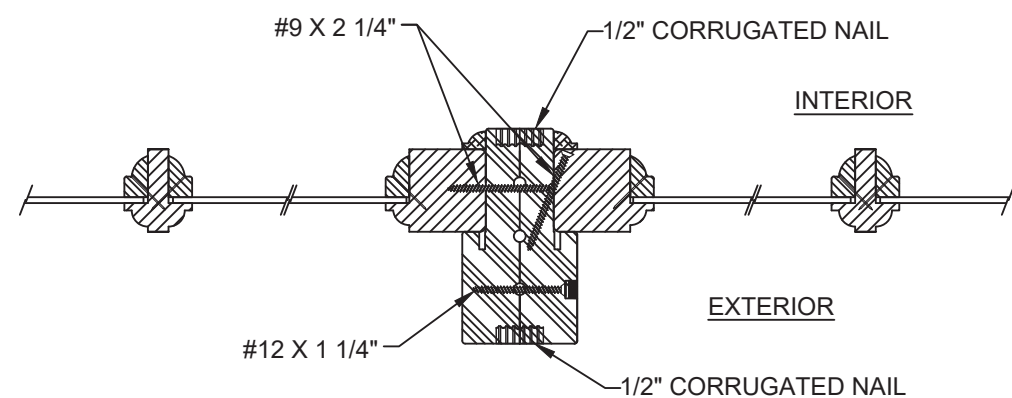
SIGNED/SEALED: 8/14/26



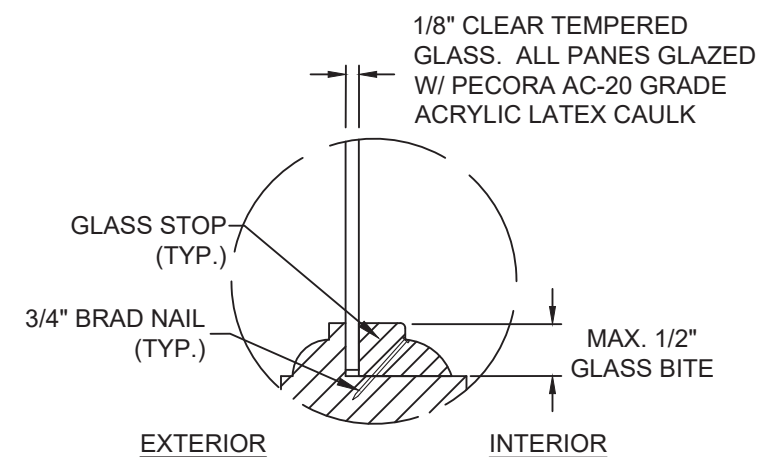
E HORIZONTAL SECTION WOOD FRAME SUBSTRATE



F HORIZONTAL SECTION
MASONRY SUBSTRATE



G HORIZONTAL SECTION
MULLION



GLAZING DETAIL

SIMPSON DOOR COMPANY 400 SIMPSON AVE. MCCLEARY, WA 98557		PROJECT NO. ACE-2025-134	
TITLE: MULLED TRIPLE TRANSOM / FIXED WINDOW HORIZONTAL SECTIONS		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:	6/8/21
SCALE:		DRAWING NO:	
N.T.S.		SIMP0025	
REV:		SHEET:	
A		4 OF 4	
REV		DESCRIPTION	DATE
A		UPDATE TO THE 9TH EDITION (2026) FBC	8/14/26
RJA			

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