

SIMPSON DOOR COMPANY

WOODEN THORO HUNG WESTAR HIGH IMPACT

FIXED SINGLE SIDELIGHT W/BUMPER

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 FOR WIND ZONE 3, MISSILE LEVEL D 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-210-4190-9 AND NCTL-210-4190-10 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 NOT 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. SEE SHEET 3 FOR GLAZING DETAILS.
7. DESIGNATION "O" STANDS FOR THE FOLLOWING:
O: FIXED PANEL.
8. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DETAILED IN ACCORDANCE WITH THE FBC, RESIDENTIAL AND BUILDING VOLUMES AND WITH FMA/AAMA/WDMA PROTOCOLS. PERIMETER AND JOINT SEALANT IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY AND IS NOT PART OF THIS PRODUCT APPROVAL DOCUMENT.

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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. 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 #12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 7/8 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) FRC WHEN APPLICABLE.

PERFORMANCE RATING					
MAXIMUM FRAME SIZE	CONFIG.	ELEVATION	GLAZING DETAIL	DESIGN PRESSURE (PSF)	IMPACT RATING (SEE GENERAL NOTE 4)
37-1/4" X 97-1/2"	O	SHEET 2	SHEET 3	+/- 50	WIND ZONE 3 MISSILE LEVEL D

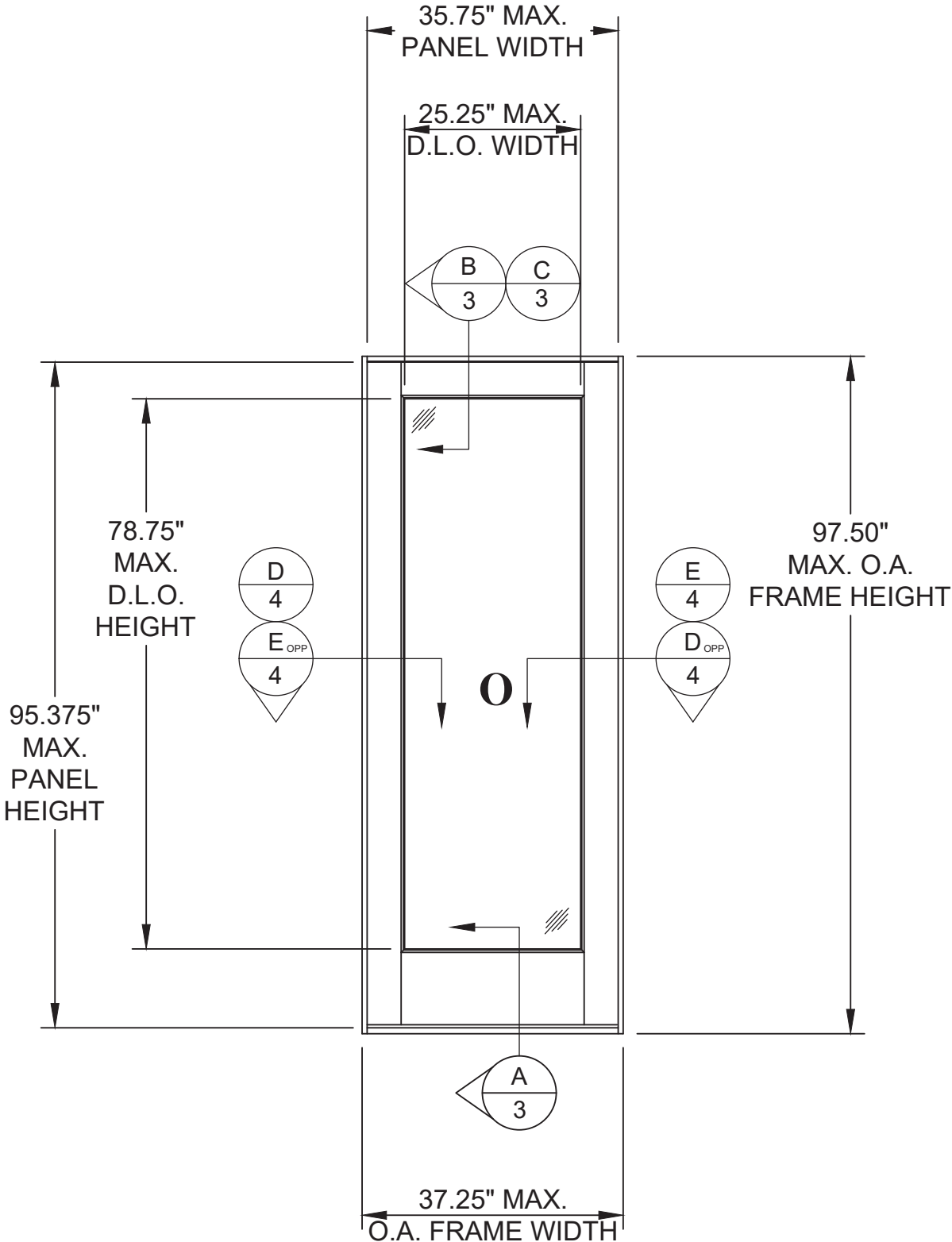
PROJECT NO. ACE-2025-134				RJA	BY
				8/14/26	DATE
			UPDATE TO THE 9TH EDITION (2026) FBC	A	REV
			DESCRIPTION	REV	DESCRIPTION
SIMPSON DOOR COMPANY 400 SIMPSON AVE. MCCLEARY, WA 98557		TITLE: WESTAR HIGH IMPACT FIXED SINGLE SIDELITE GENERAL AND INSTALLATION NOTES		DRAWN BY: RJA	DATE: 6/8/21
				SCALE: N.T.S.	DRAWING NO: SIMP00016
				REV: A	SHEET: 1 OF 4
		PREPARED BY: AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM			

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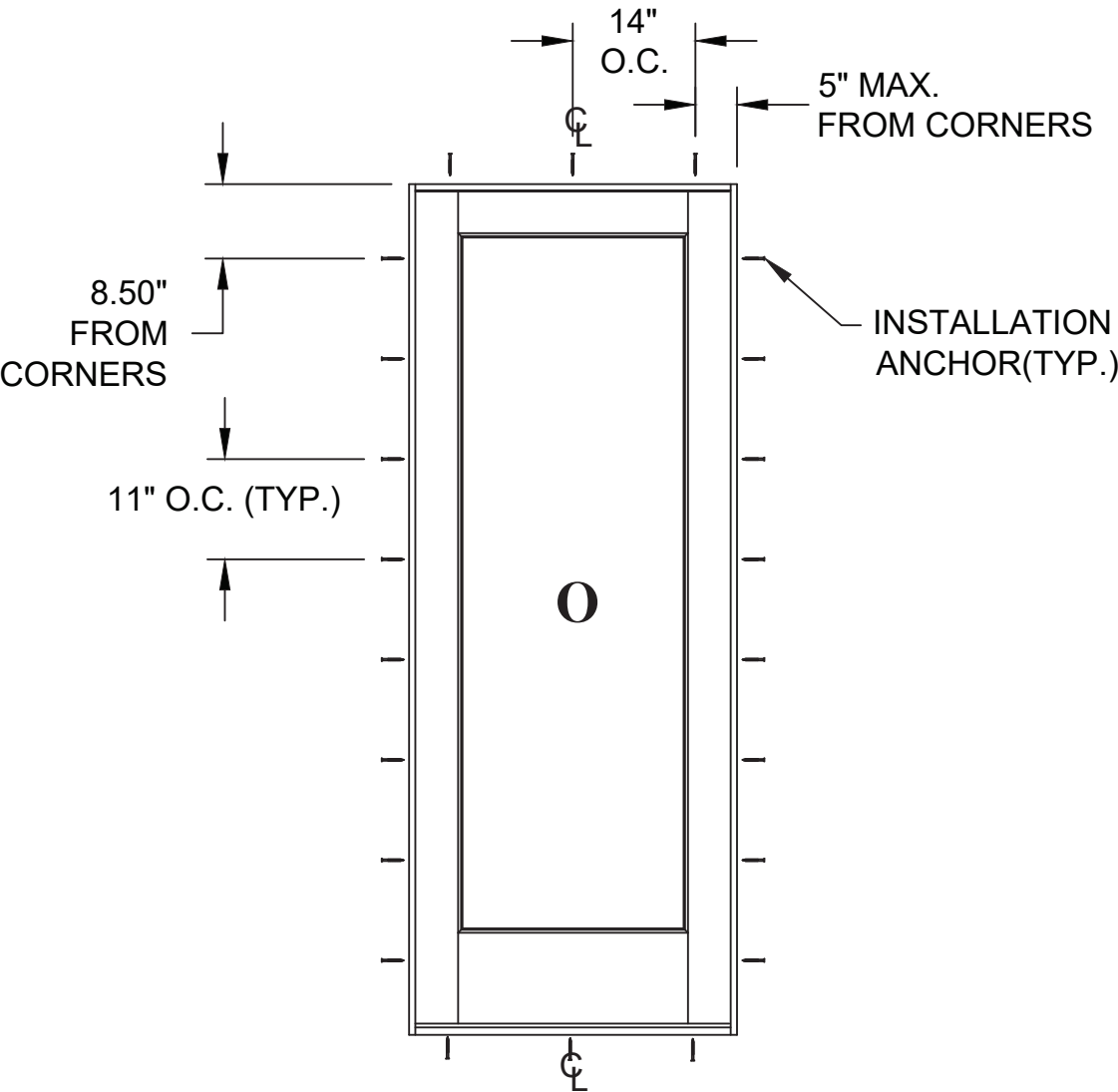


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ELEVATION

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



ANCHOR LAYOUT

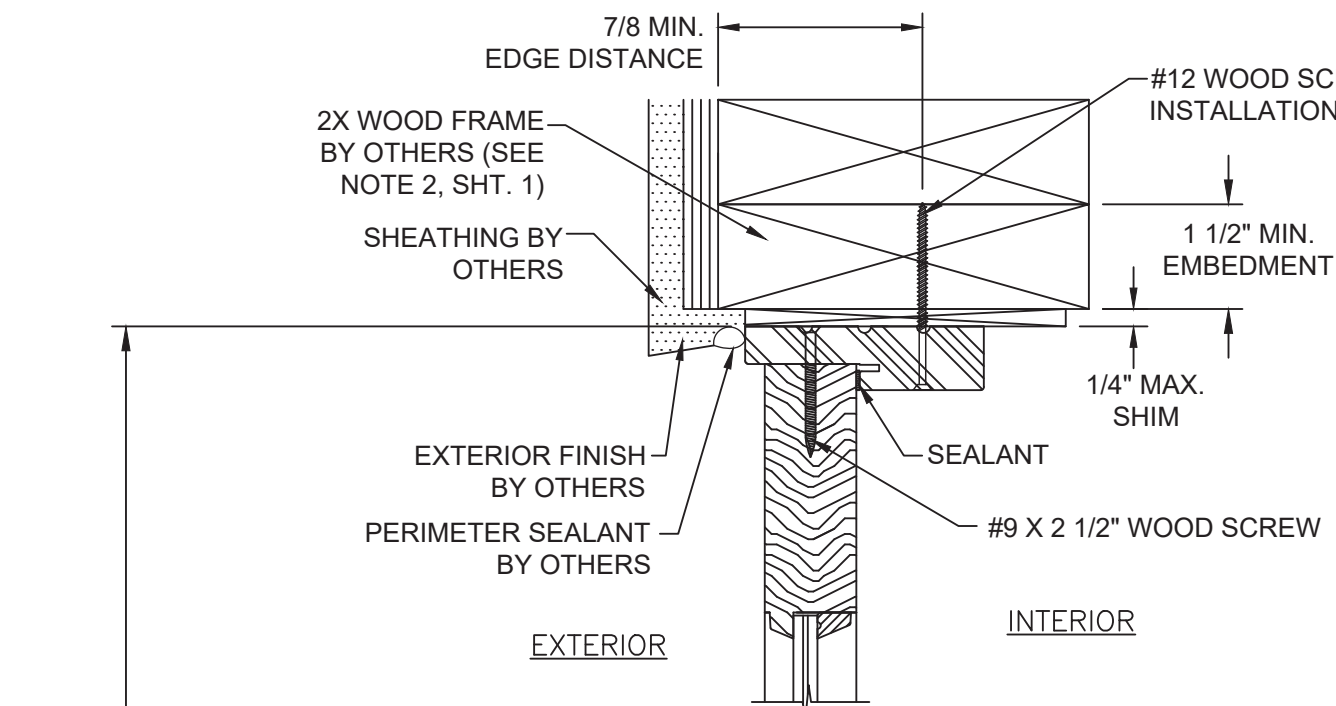
(EXTERIOR VIEW)

PROJECT NO. ACE-2025-134					BY
			UPDATE TO THE 9TH EDITION (2026) FBC	DESCRIPTION	DATE
SIMPSON DOOR COMPANY 400 SIMPSON AVE. MCCLEARY, WA 98557		TITLE: WESTAR HIGH IMPACT FIXED SINGLE SIDELITE ELEVATION & ANCHOR LAYOUT		REV	
				2 OF 4	
				A	
PREPARED BY: AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM		DRAWN BY: RJA SCALE: N.T.S. REV: A		DATE: 6/8/21	
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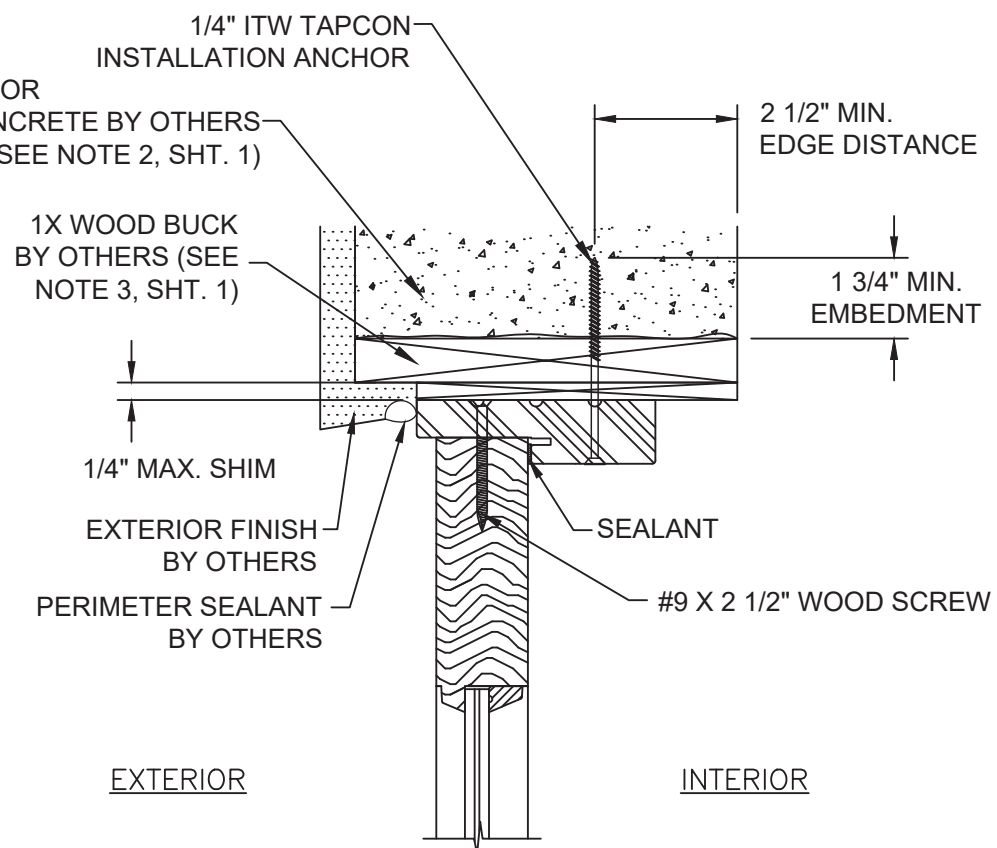
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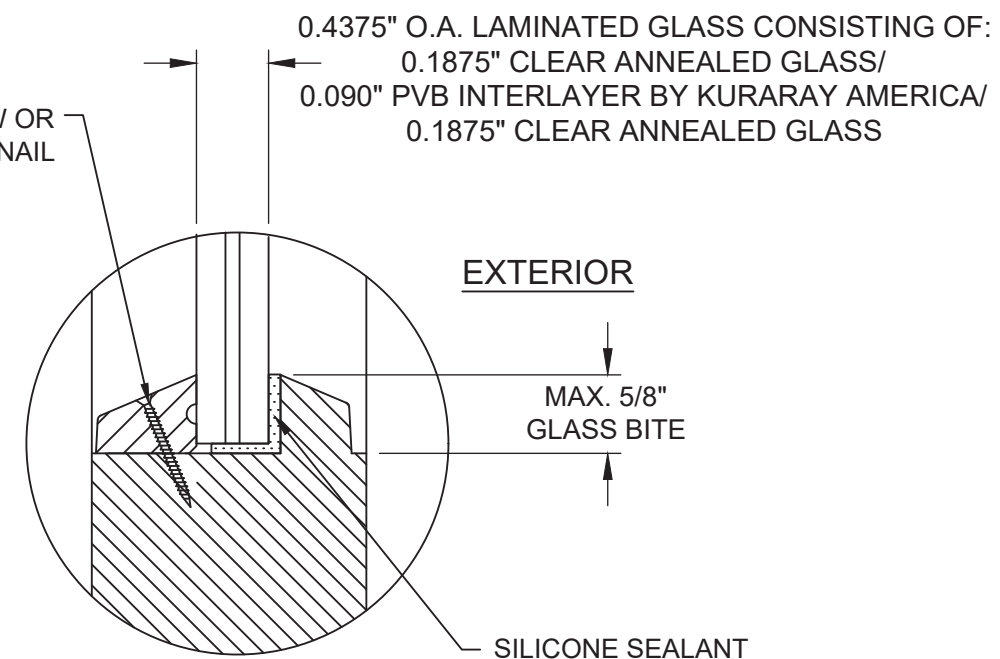
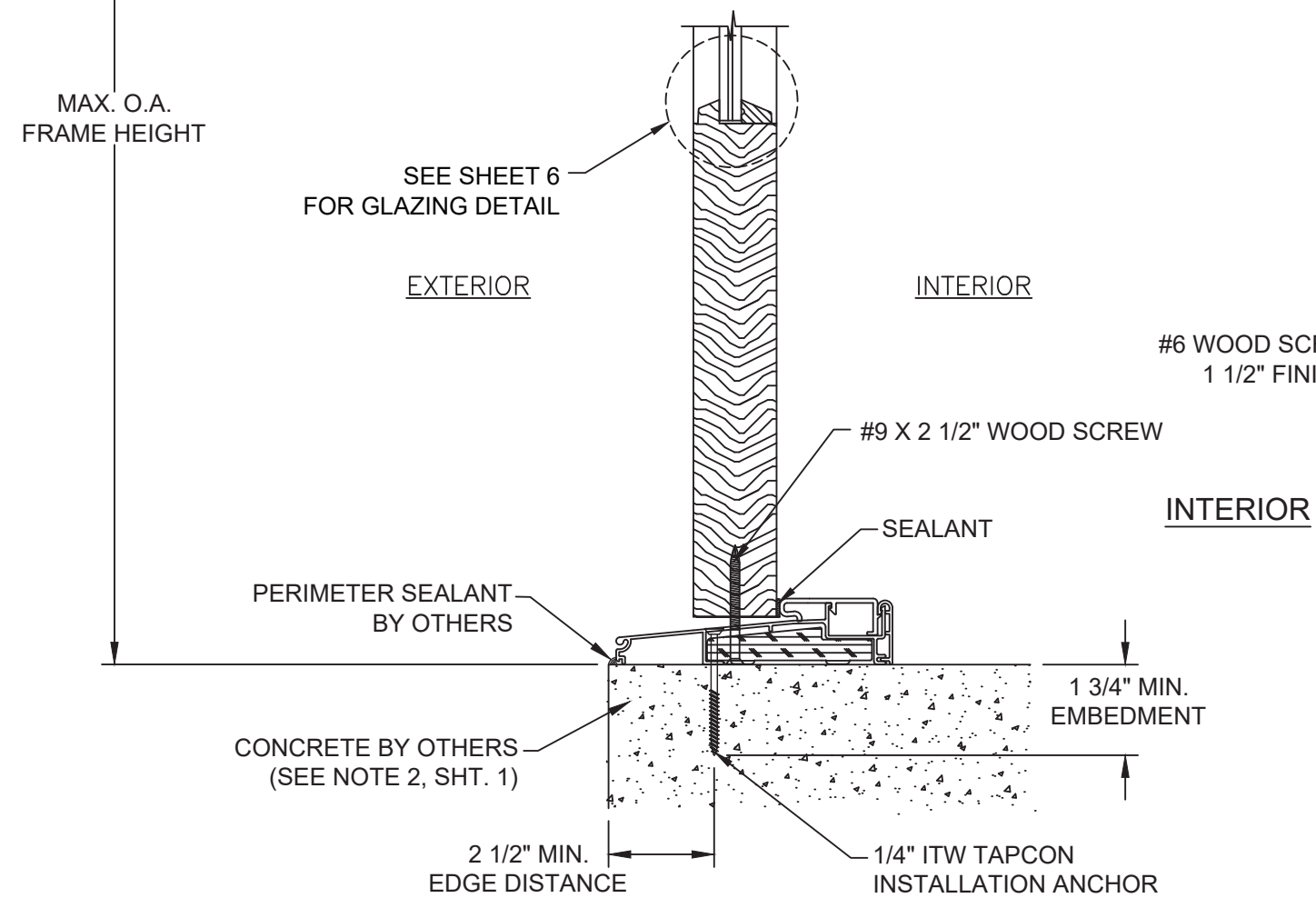
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B VERTICAL SECTION
WOOD FRAME SUBSTRATE



VERTICAL SECTION
CONCRETE SUBSTRATE



VERTICAL SECTION
CONCRETE SUBSTRATE

PROJECT NO. ACE-2025-134

SIMPSON DOOR COMPANY
400 SIMPSON AVE.
MCCLEARY, WA 98557

CREATED BY	DRAWN BY	DATE
WESTAR HIGH IMPACT FIXED SINGLE SIDELITE VERTICAL SECTIONS & GLAZING DETAIL		

AMORUSO CONSULTING ENG., LLC
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DRAWN BY: RJA	DATE: 6/8/21
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SCALE:	DRAWING NO:
NTS	SIMP001

REV:	A	SHEET:	3 OF 4
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DATE: 6/8/21

DRAWING NO:
SIMP001

SHEET: 3 OF 4

UPDATE TO THE 9TH
EDITION (2026) FBC

DESCRIPTION

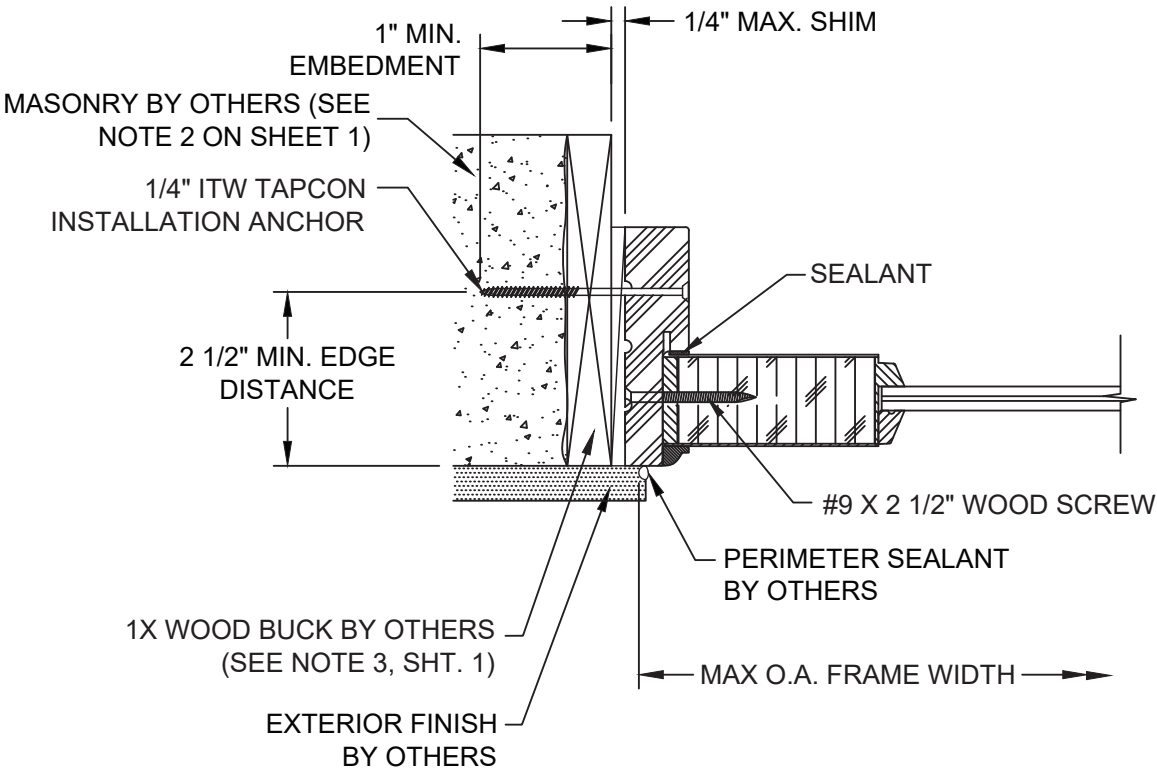
4/26
RJA

DATE	BY
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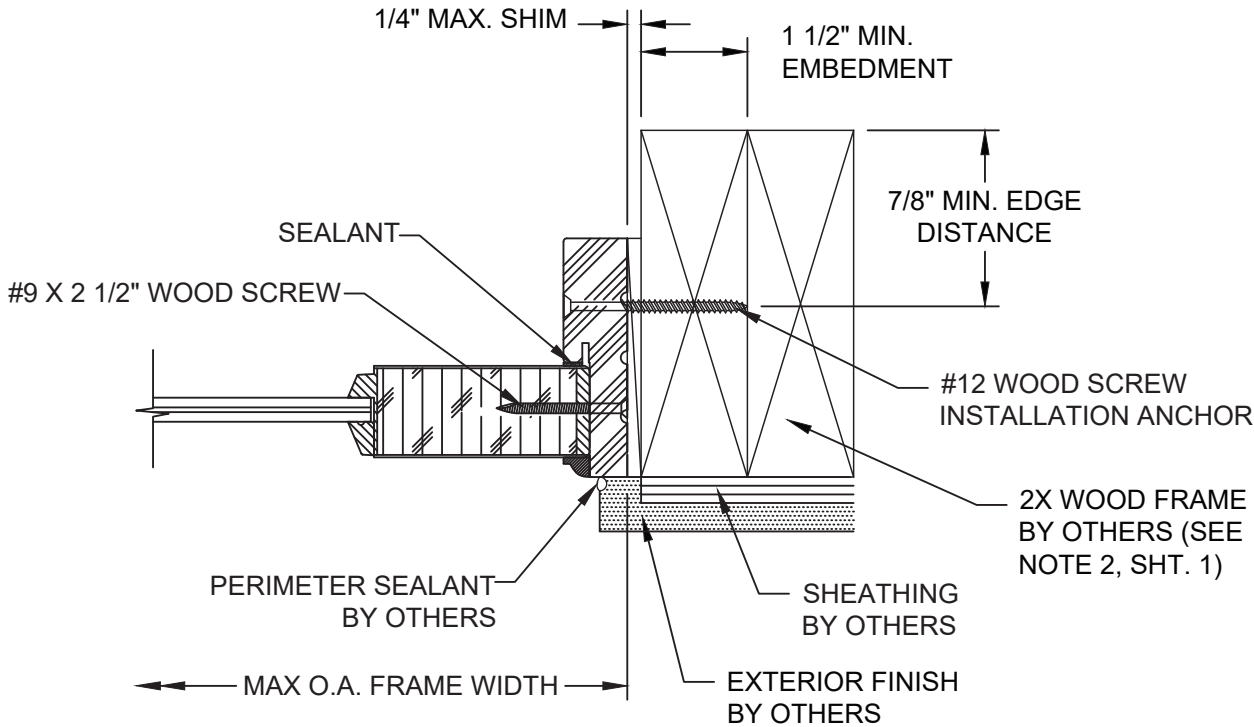
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D HORIZONTAL SECTION
MASONRY SUBSTRATE



E HORIZONTAL SECTION
WOOD FRAME SUBSTRATE



APPLICABLE GLAZED PANELS

NOTE:
APPLIED MUNTINS USED FOR DIVIDED LITES, V-GROOVES
OPTIONAL FOR BOTH FLAT AND RAISED PANELS.

PROJECT NO. ACE-2025-134					
SIMPSON DOOR COMPANY 400 SIMPSON AVE. MCCLEARY, WA 98557	TITLE: WESTAR HIGH IMPACT FIXED SINGLE SIDELITE HORIZONTAL SECTIONS & QUALIFIED PANELS	DRAWN BY: RJA	DATE: 6/8/21	DRAWING NO: SIMP00016	SHEET: 4 OF 4
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM	SCALE: N.T.S.	REV: A	DESCRIPTION	DATE	BY

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