

REAL WOODS LLC

1-3/4" IMPACT GLAZED & OPAQUE SIDELITES - HVHZ

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AT THE DESIGN PRESSURES STATED HEREIN. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT # NCTL-210-3581-1, DATED 02/11/09 AND ASSOCIATED LABORATORY 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. THIS PRODUCT IS NOT REQUIRED TO USE AN IMPACT PROTECTIVE SYSTEM THAT COMPLIES WITH THE FLORIDA BUILDING CODE IN THE WIND BORNE REGION.
5. SIDELITE FRAME AND PANEL MATERIAL:
WOOD (W/ 0.51 MINIMUM SPECIFIC GRAVITY)
6. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e1.
7. DESIGNATION "O" STANDS FOR THE FOLLOWING:
O: FIXED PANEL
8. SETTING BLOCKS (IF USED) SHALL MATERIAL BE IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE. SETTING BLOCKS SHALL BE NEOPRENE WITH A 70 TO 90 SHORE A DUROMETER.

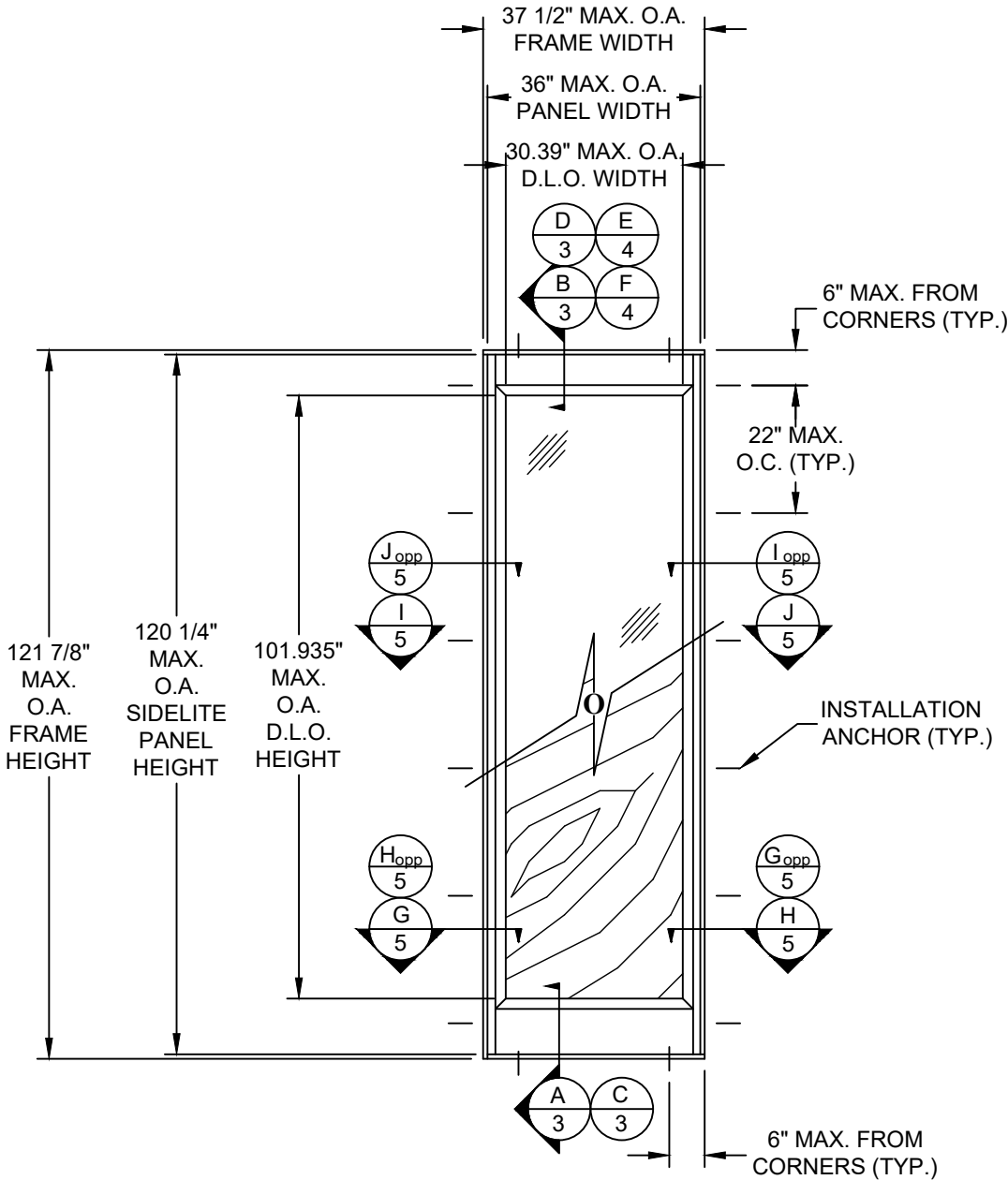
INSTALLATION NOTES:

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 SUBSTRATES.
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 INCH.
5. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE / MASONRY, OR DIRECTLY INTO CONCRETE / MASONRY, USE 3/16 INCH ITW TAPCONS (ADVANCED THREADFORM) OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT (1 INCH MIN. EMBEDMENT IN MASONRY). MINIMUM EDGE DISTANCE IS 2-5/8 INCHES. MINIMUM ANCHOR SEPERATION IS 3 INCHES,
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 - PRESSURE TREATED (PT) SOUTHERN YELLOW PINE MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 psi

C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT.



ELEVATION &
ANCHOR LAYOUT

EXTERIOR VIEW
GLAZED / OPAQUE SIDELITE

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DESIGN PRESSURE RATING (PSF)		IMPACT RATING
WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	LARGE MISSILE IMPACT
±55.0	±55.0	

PROJECT #419-0909					BY
					DATE
					DESCRIPTION
				REV	

Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

TITLE:
1-3/4" IMPACT GLAZED & OPAQUE SIDELITES
GENERAL & INSTALLATION NOTES & ELEVATION/ANCHOR LAYOUT

PREPARED BY:

DRAWN BY: RJA

DATE: 8/7/20

SCALE: N.T.S.

DRAWING NO: RW0073

SHEET: 1 OF 5

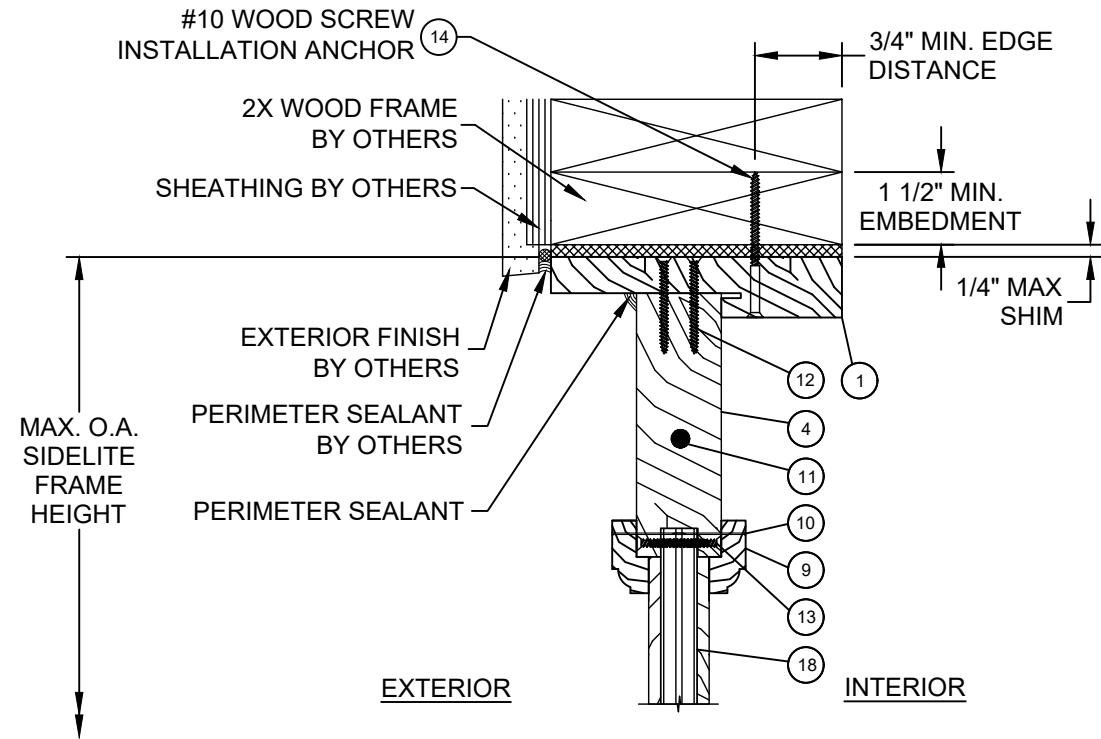
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SHEET: 1 OF 5

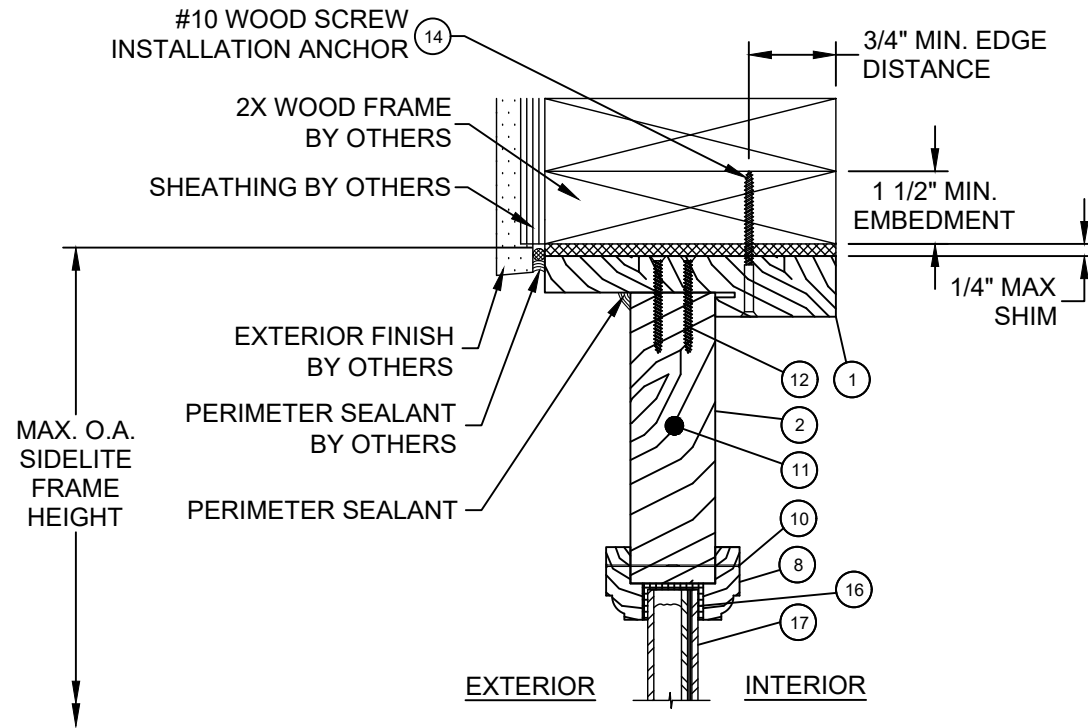
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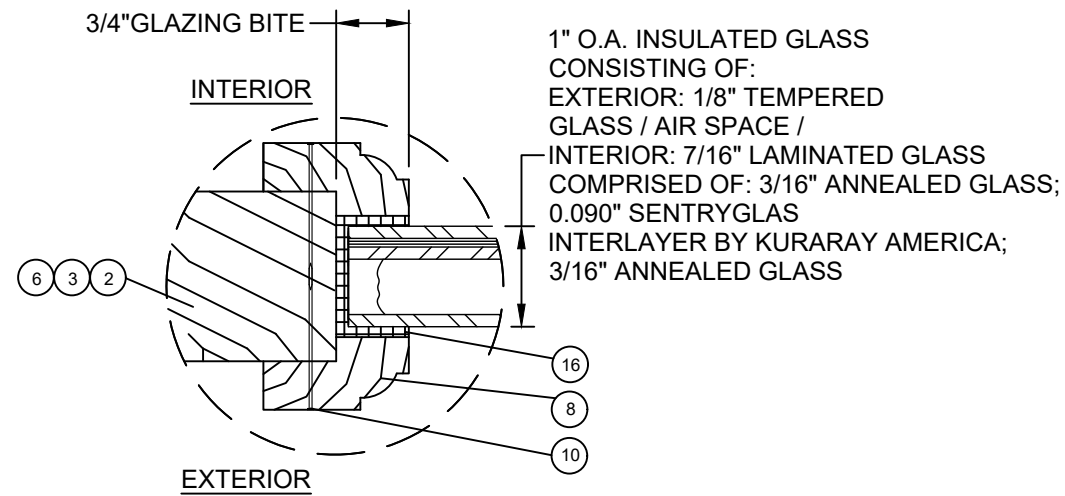
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



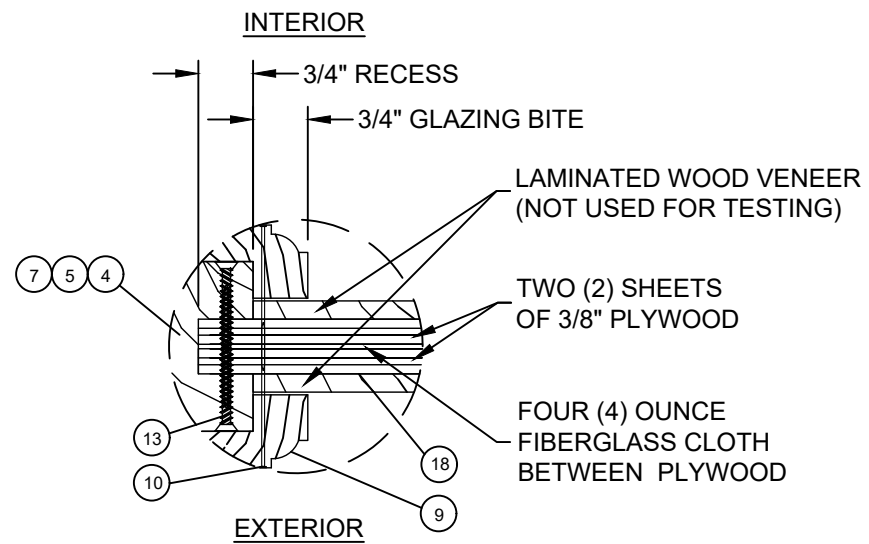
E VERTICAL SECTION
OPAQUE SIDELITE PANEL AT HEAD
WOOD FRAME SUBSTRATE



F VERTICAL SECTION
GLAZED SIDELITE PANEL AT HEAD
WOOD FRAME SUBSTRATE



GLAZING DETAIL



OPAQUE PANEL DETAIL

PROJECT #419-0909

Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237

TITLE: 1-3/4" IMPACT GLAZED & OPAQUE SIDELITES
VERTICAL SECTIONS & GLAZING / PANEL DETAILS

PREPARED BY: DATE: 8/7/20

DRAWN BY: RJA

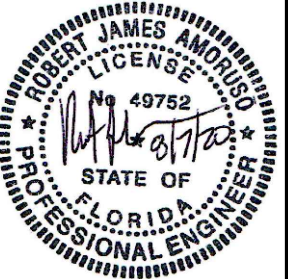
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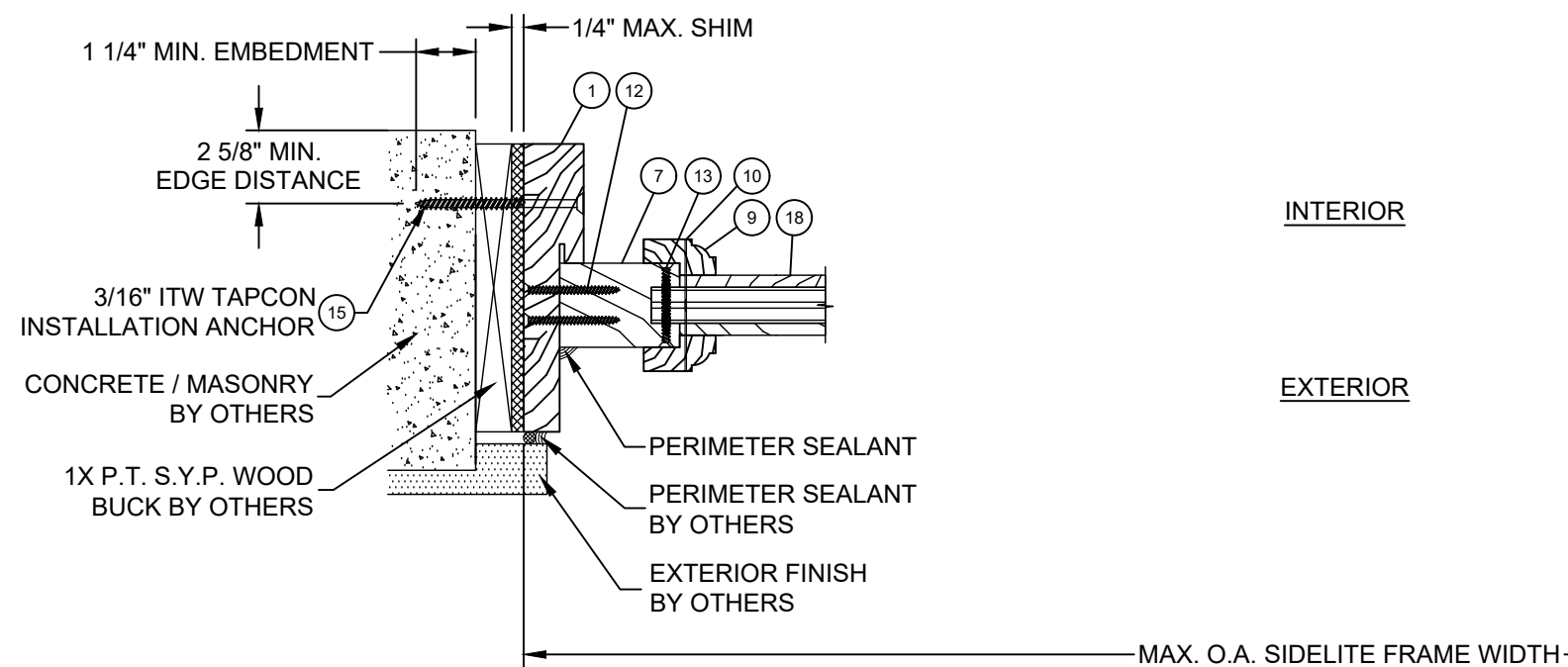
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SHEET: 3 OF 5

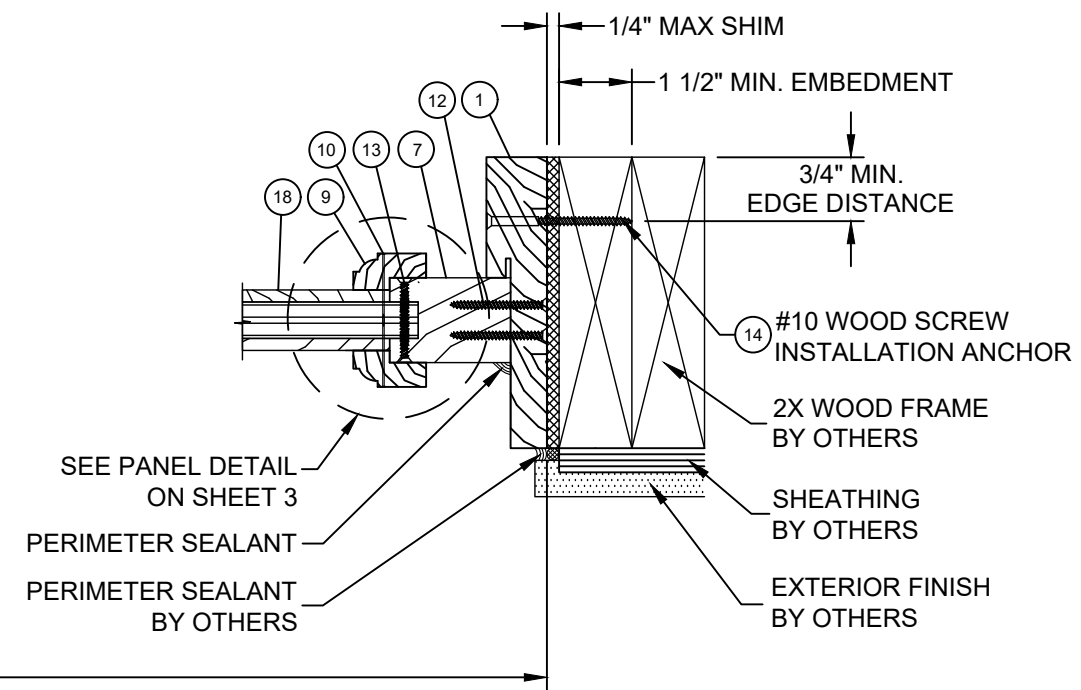
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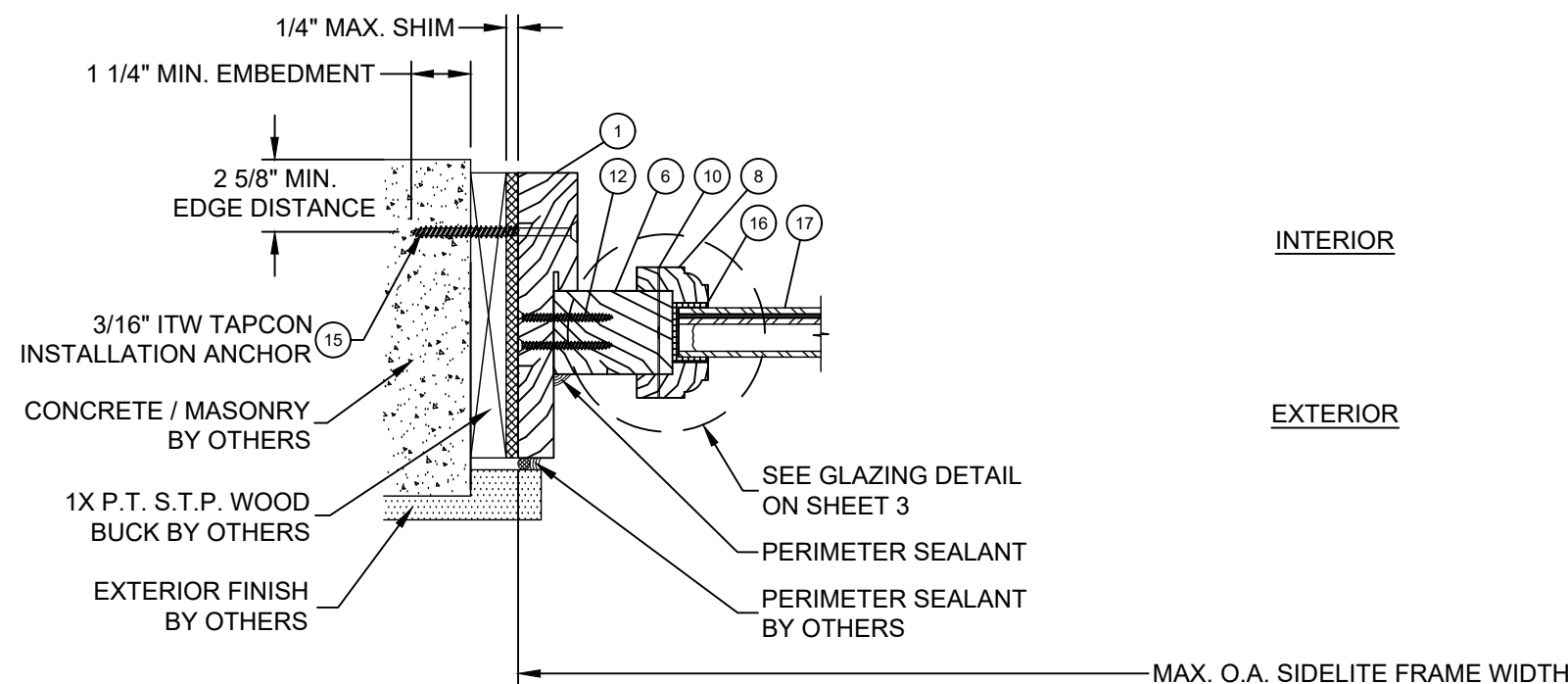




G HORIZONTAL SECTION
OPAQUE SIDELITE PANEL AT JAMB
CONCRETE / MASONRY SUBSTRATE

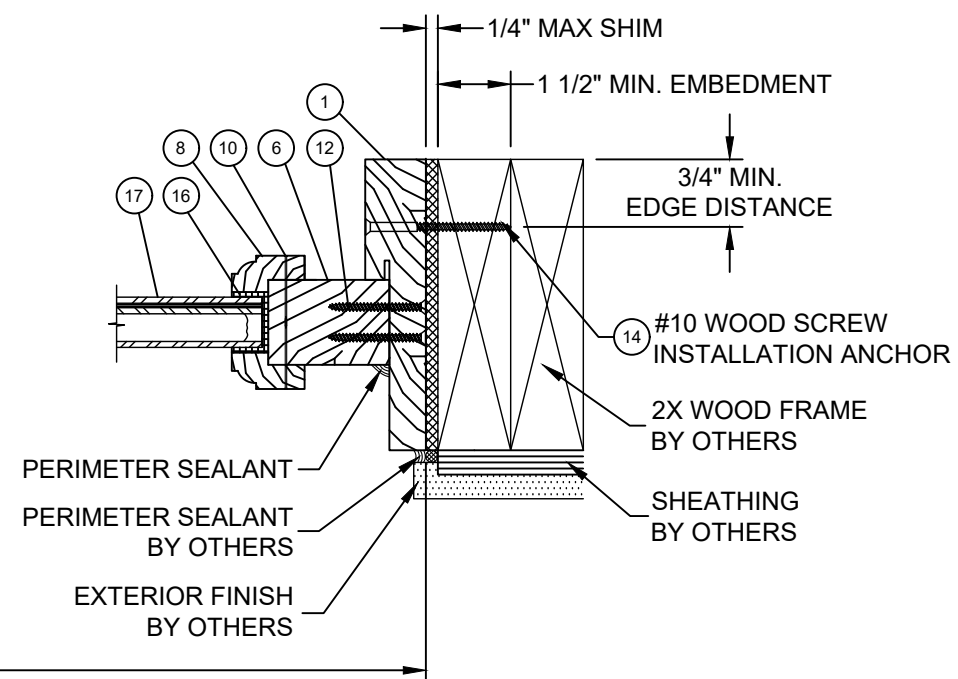


H HORIZONTAL SECTION
OPAQUE SIDELITE PANEL AT JAMB
WOOD FRAME SUBSTRATE



I HORIZONTAL SECTION

GLAZED SIDELITE PANEL AT JAMB
CONCRETE / MASONRY SUBSTRATE



J HORIZONTAL SECTION
GLAZED SIDELITE PANEL AT JAMB
WOOD FRAME SUBSTRATE

PROJECT #419-0909

**Real Woods Inc.
1230 N. East Ave
Sarasota, FL 34237**

TITLE: 1-3/4" IMPACT GLAZED & OPAQUE SIDELITES
HORIZONTAL SECTIONS

PREPARED BY:

PDC

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DRAWN BY:	DATE:
DIA	8/7/20

SCALE:	DRAWING NO:
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REV:	SHEET:	1 OF 5
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REV

DESCRIPTION

DATE _____

BY

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