

REAL WOODS LLC

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

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE 2010 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 OR THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

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 OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 2-5/8 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.

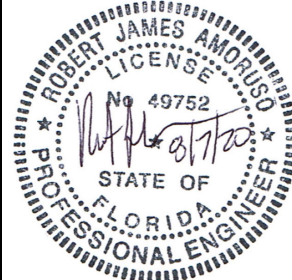
B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 psi

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

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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                                              |                      |

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Real Woods Inc.  
1230 N. East Ave  
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TITLE:  
1-3/4" IMPACT GLAZED & OPAQUE TRANSOMS  
GENERAL & INSTALLATION NOTES

PREPARED BY:  
DRAWN BY: RJA  
DATE: 8/7/20  
SCALE: N.T.S.  
SHEET: 1 OF 5

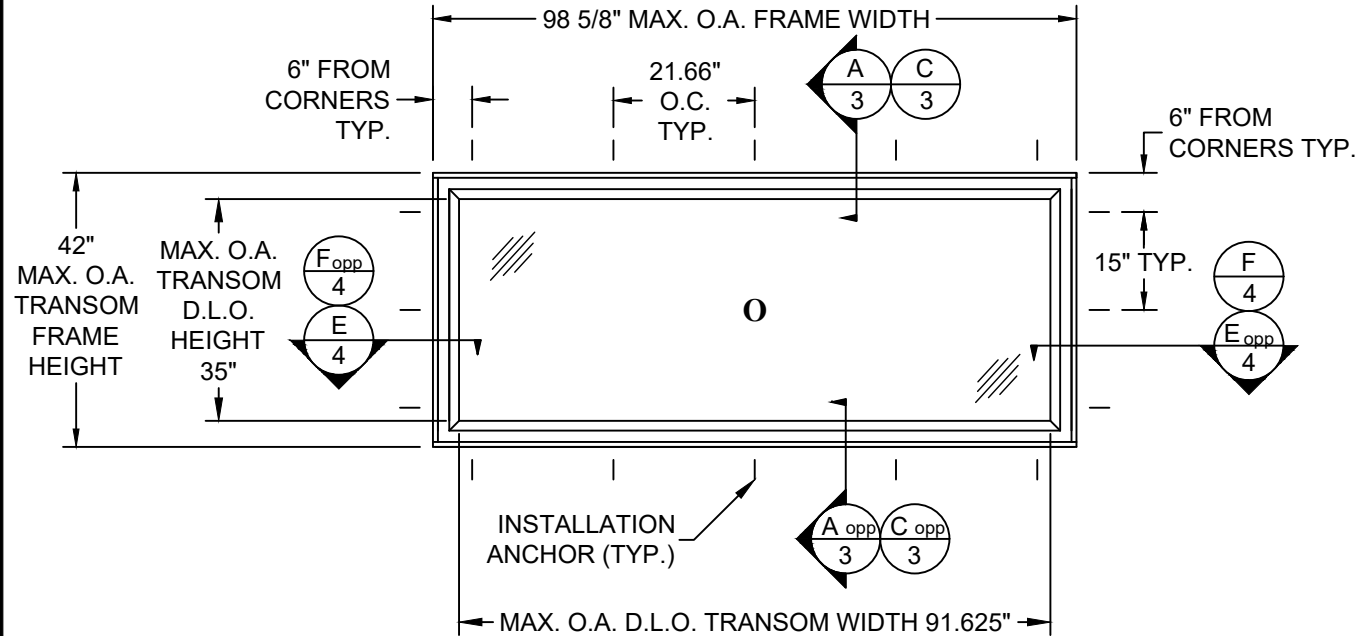
PTC PRODUCT DESIGN GROUP, LLC  
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PROJECT #419-0909

REV

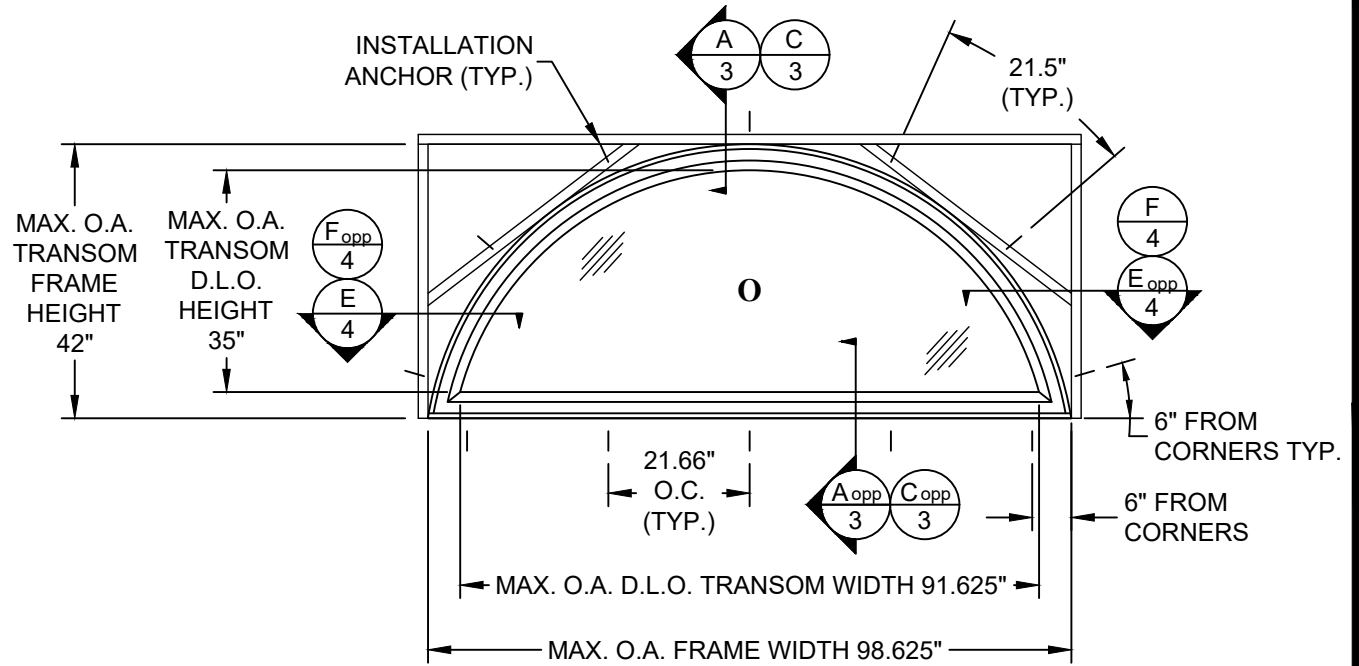
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BY



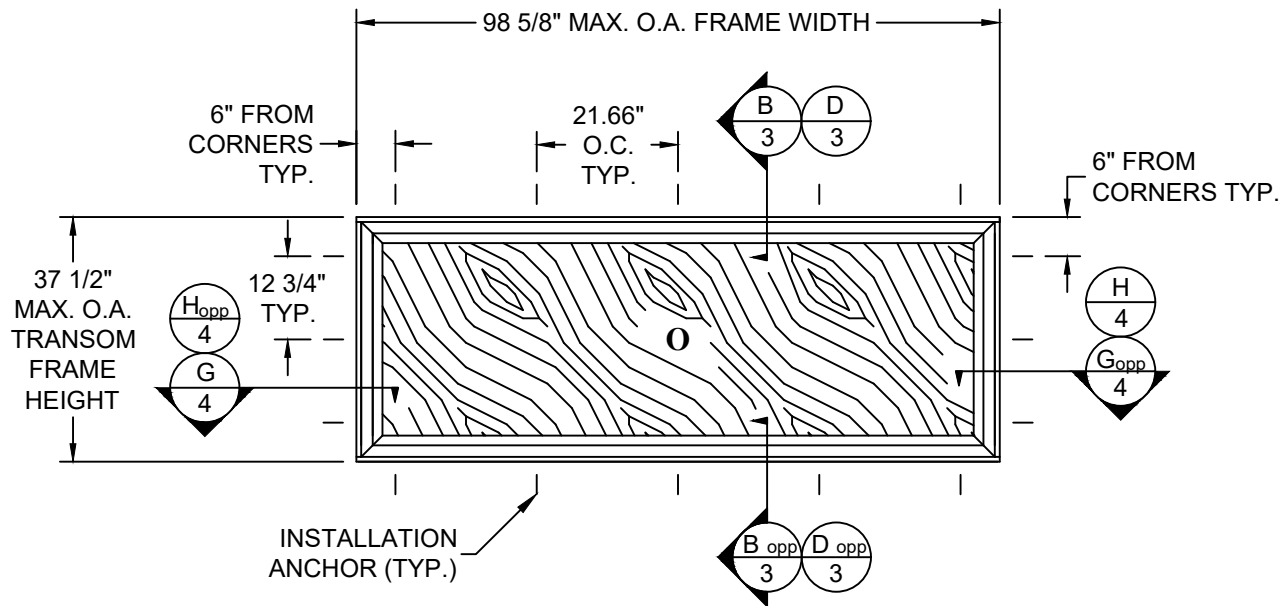
## ELEVATION & ANCHOR LAYOUT

EXTERIOR VIEW  
GLAZED TRANSOM



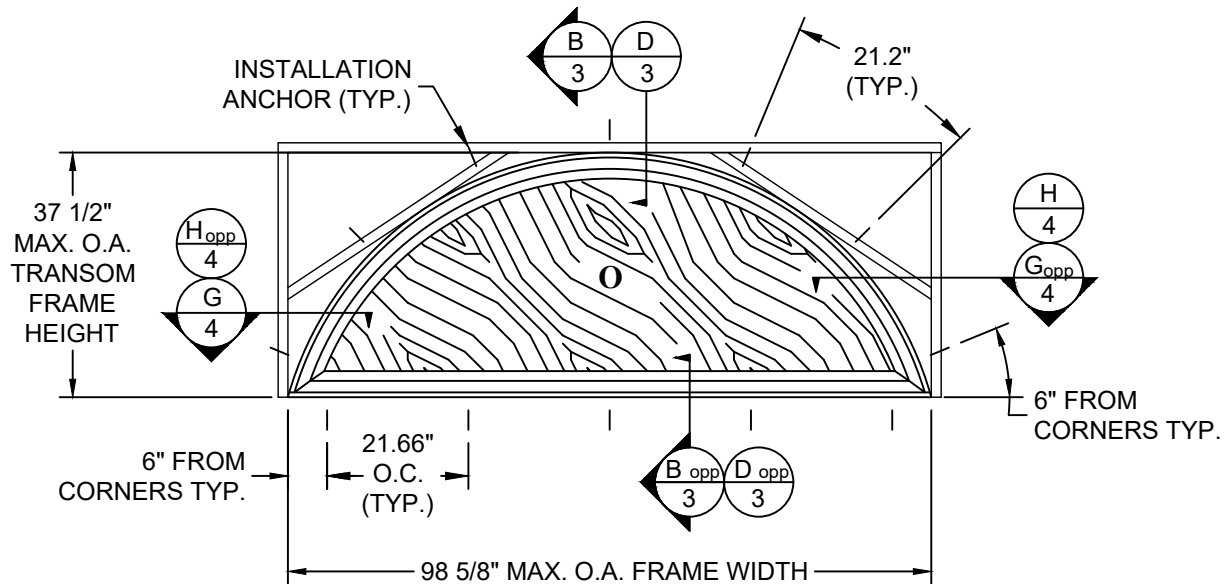
## ELEVATION & ANCHOR LAYOUT

EXTERIOR VIEW  
GLAZED TRANSOM



## ELEVATION & ANCHOR LAYOUT

EXTERIOR VIEW  
OPAQUE TRANSOM



## ELEVATION & ANCHOR LAYOUT

EXTERIOR VIEW  
OPAQUE TRANSOM

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ELEVATIONS & ANCHOR LAYOUTS

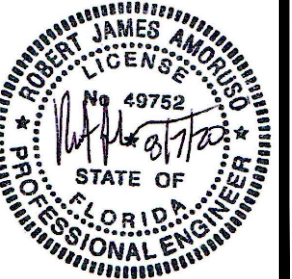
PREPARED BY: RJA DATE: 8/7/20

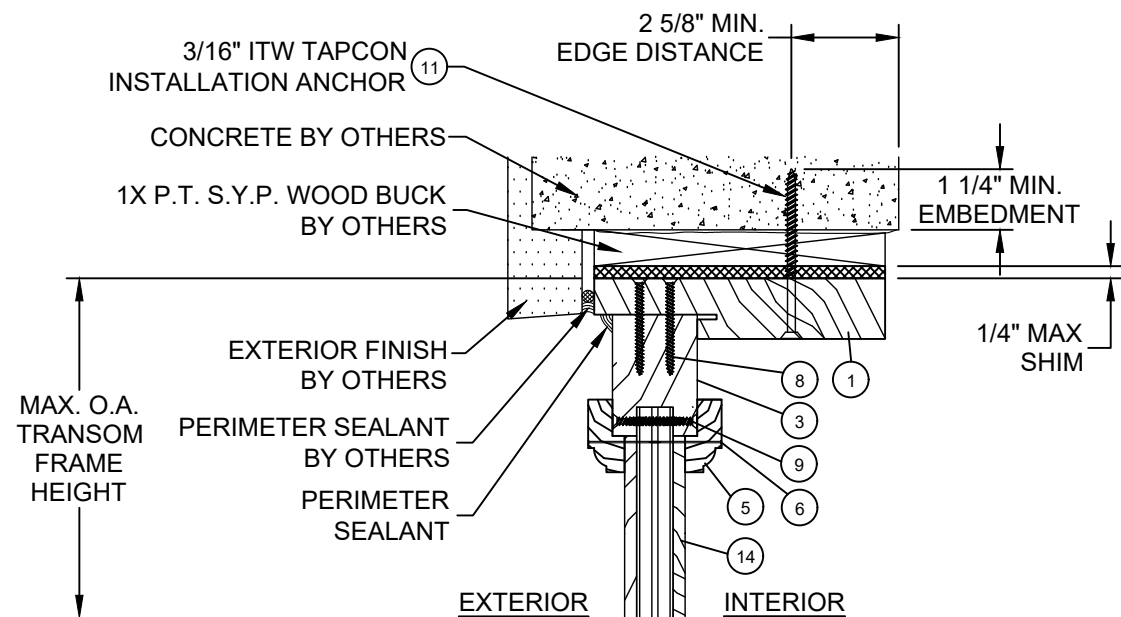
SCALE: N.T.S. DRAWING NO: RW0072

REV: --- SHEET: 2 OF 5

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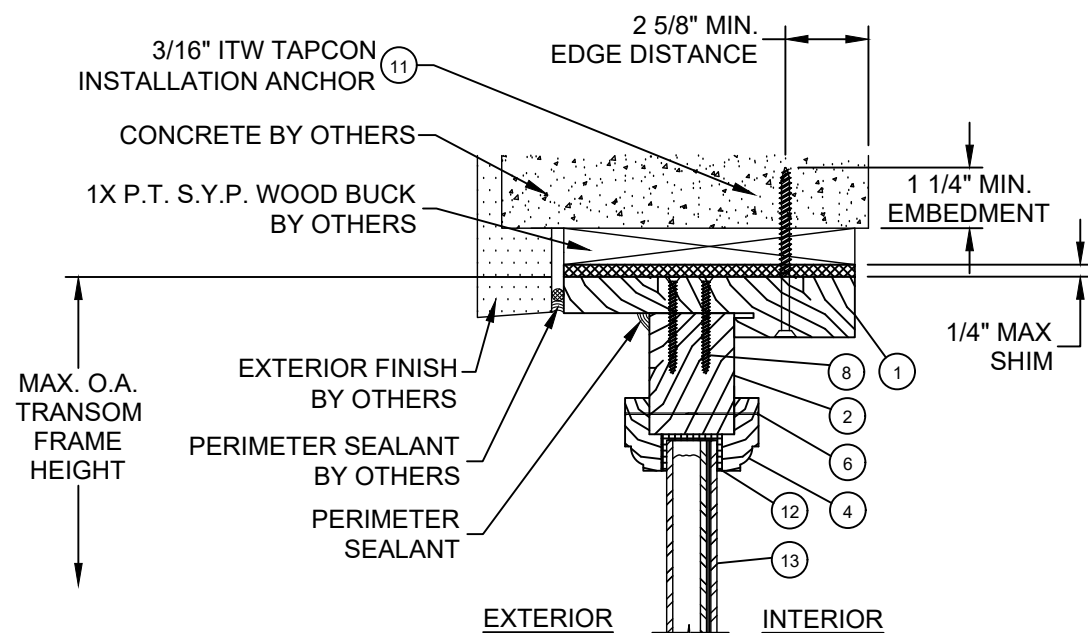




**B**

### VERTICAL SECTION

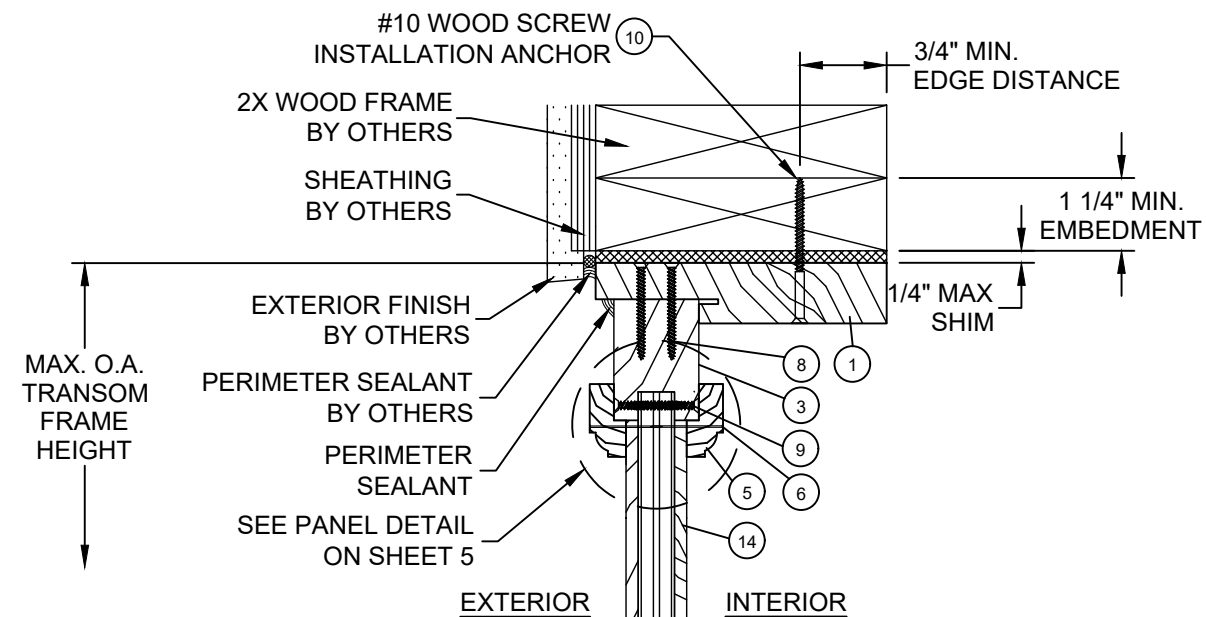
OPAQUE TRANSOM PANEL  
HEAD SHOWN, SILL OPPOSITE  
CONCRETE / MASONRY SUBSTRATE



**A**

### VERTICAL SECTION

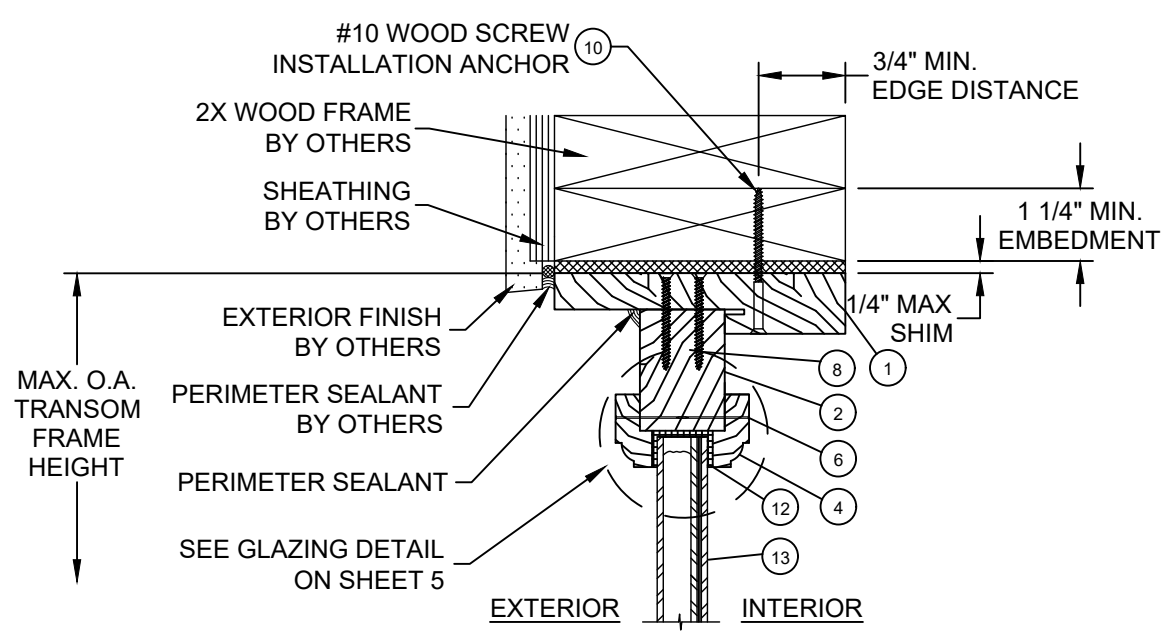
GLAZED TRANSOM PANEL  
HEAD SHOWN, SILL OPPOSITE  
CONCRETE / MASONRY SUBSTRATE



**D**

### VERTICAL SECTION

OPAQUE TRANSOM PANEL  
HEAD SHOWN, SILL OPPOSITE  
WOOD FRAME SUBSTRATE



**C**

### VERTICAL SECTION

GLAZED TRANSOM PANEL  
HEAD SHOWN, SILL OPPOSITE  
WOOD FRAME SUBSTRATE

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TITLE: 1-3/4" IMPACT GLAZED & OPAQUE TRANSOMS  
VERTICAL SECTIONS

PREPARED BY: DATE: 8/7/20 DRAWING NO: RW0072 SHEET: 3 OF 5

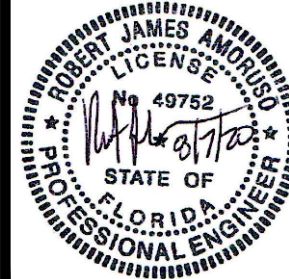
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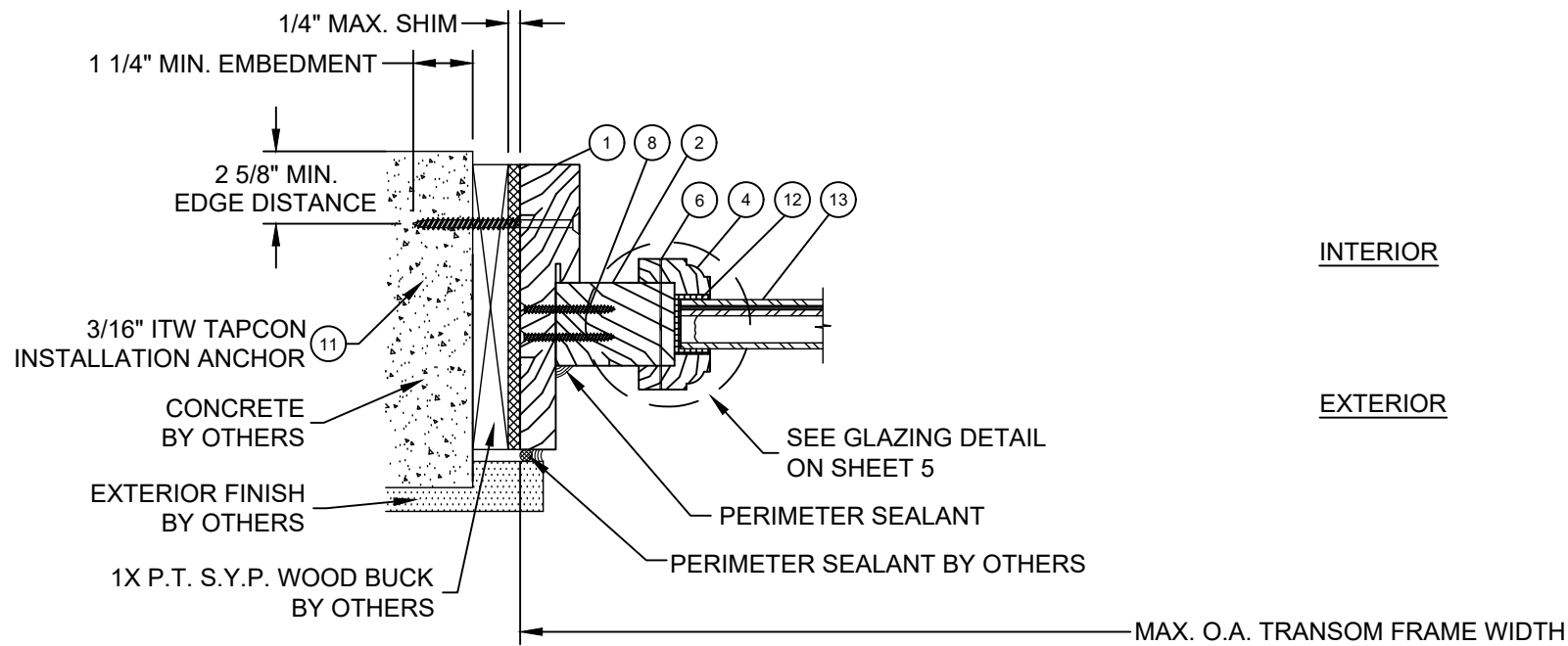
SCALE: N.T.S.

REV: ---

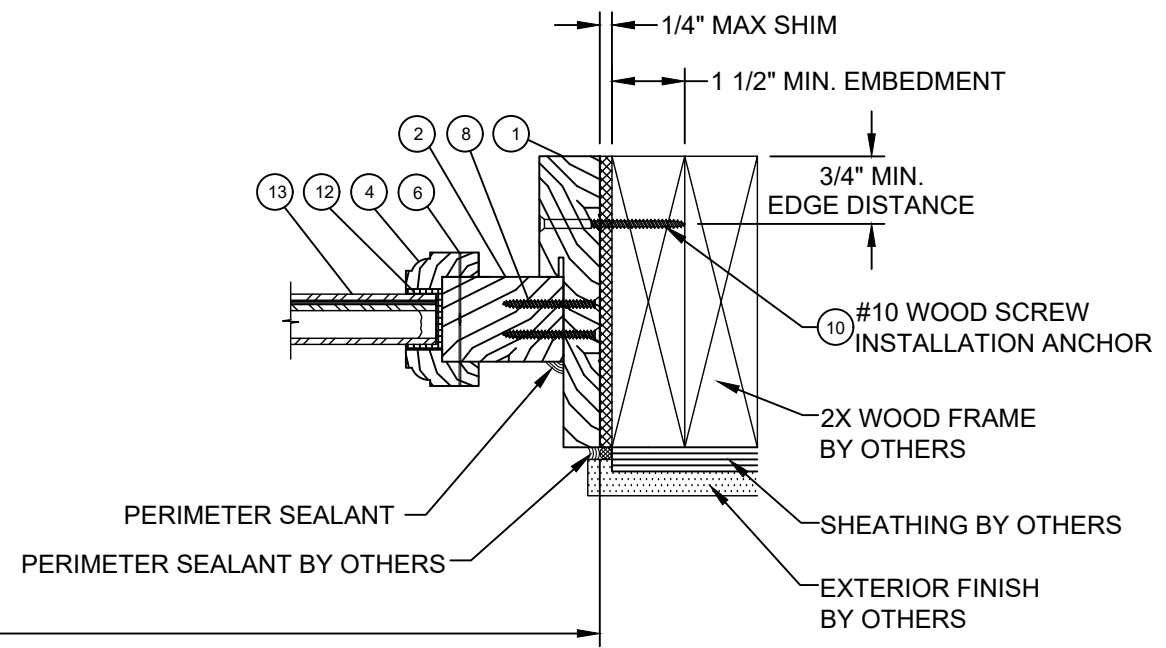
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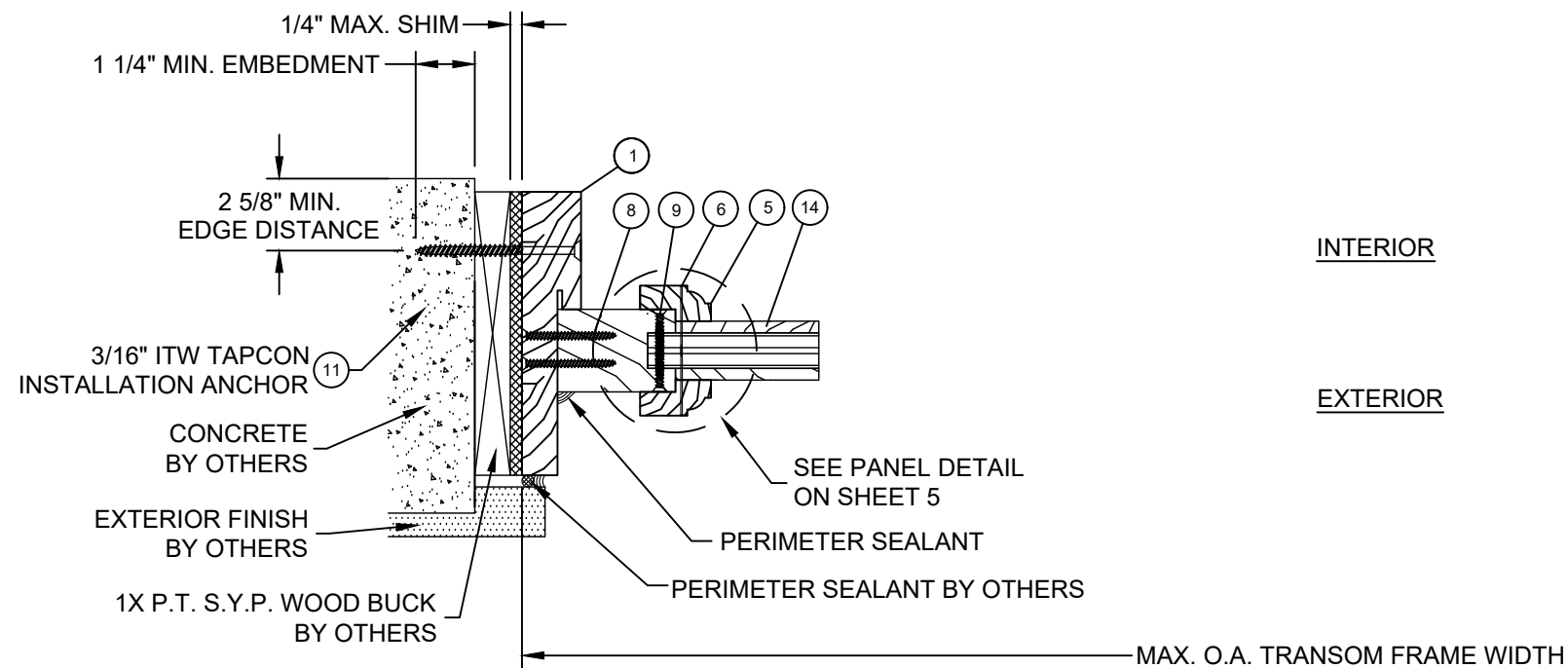




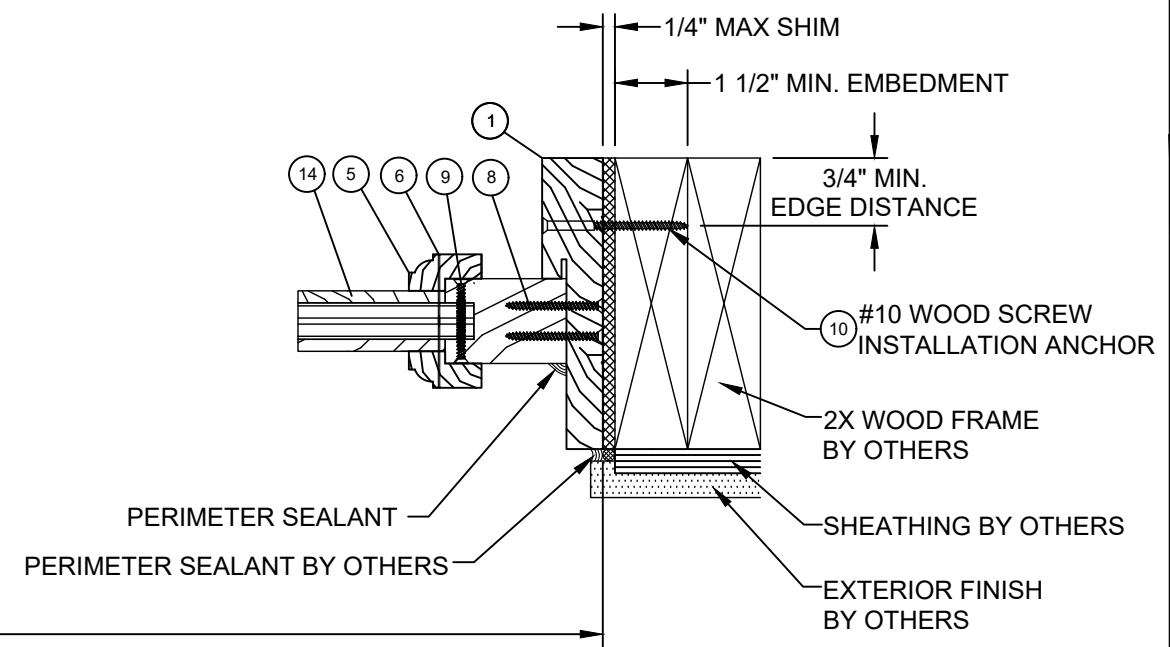
**E HORIZONTAL SECTION**  
GLAZED TRANSOM AT JAMB  
CONCRETE / MASONRY SUBSTRATE



**F HORIZONTAL SECTION**  
GLAZED TRANSOM AT JAMB  
WOOD FRAME SUBSTRATE



**G HORIZONTAL SECTION**  
OPAQUE TRANSOM AT JAMB  
CONCRETE / MASONRY SUBSTRATE



**H HORIZONTAL SECTION**  
OPAQUE TRANSOM AT JAMB  
WOOD FRAME SUBSTRATE

PROJECT #419-0909

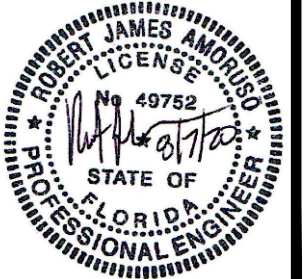
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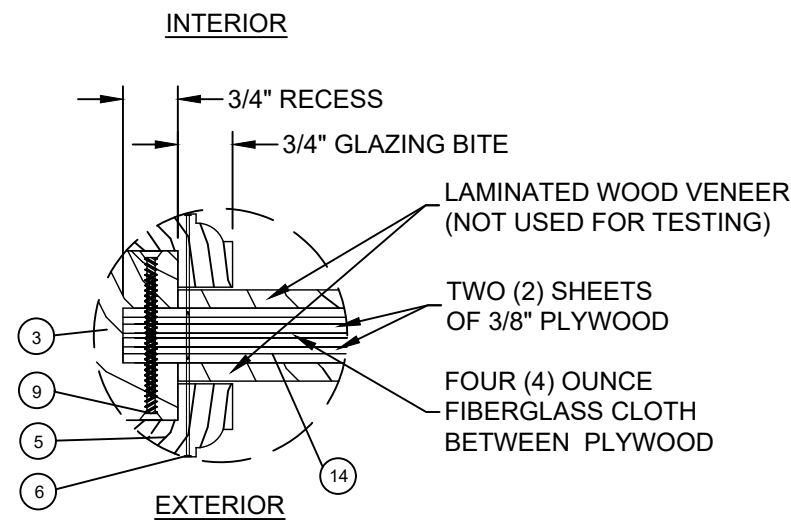
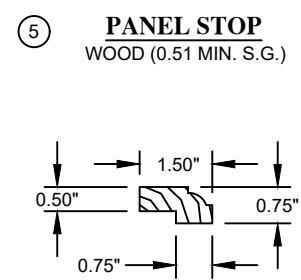
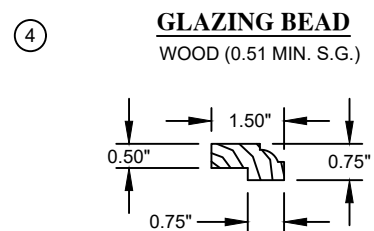
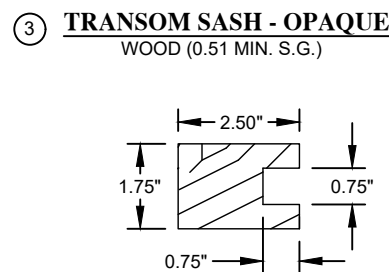
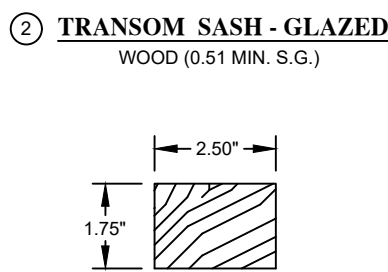
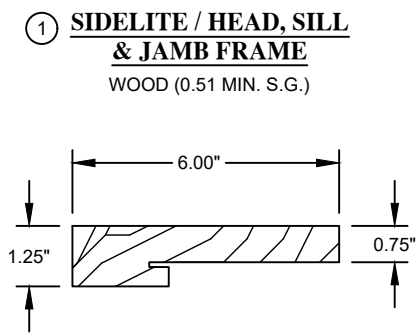
TITLE: 1-3/4" IMPACT GLAZED & OPAQUE TRANSOMS  
HORIZONTAL SECTIONS

PREPARED BY: **FBPE**  
DATE: 8/7/20  
DRAWN BY: RJA  
SCALE: N.T.S.  
DRAWING NO: RW0072  
REV: ---  
SHEET: 4 OF 5

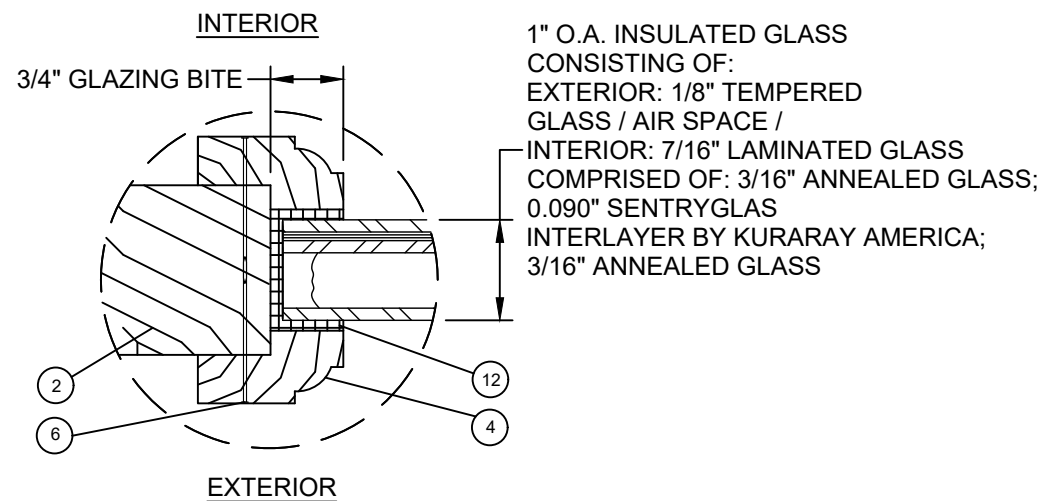
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**PANEL DETAIL**



**GLAZING DETAIL**

## BILL OF MATERIALS

| ITEM # | PART # | DESCRIPTION                                     | MATERIAL |
|--------|--------|-------------------------------------------------|----------|
| 1      |        | TRANSOM FRAME                                   | WOOD     |
| 2      |        | TRANSOM SASH - GLAZED                           | WOOD     |
| 3      |        | TRANSOM SASH - OPAQUE                           | WOOD     |
| 4      |        | GLAZING BEAD - TRANSOM & SIDELITE               | WOOD     |
| 5      |        | PANEL STOP - OPAQUE SIDELITE                    | WOOD     |
| 6      |        | 8 GA. BRAD NAIL                                 | WOOD     |
| 7      |        | NOT USED                                        | ---      |
| 8      |        | #8 X 2" WOOD SCREW                              | STEEL    |
| 9      |        | #9 X 2" COARSE THREADWOOD SCREW                 | STEEL    |
| 10     |        | #10 WOOD SCREW - INSTALLATION ANCHOR            | STEEL    |
| 11     |        | 3/16" ITW TAPCON INSTALLATION ANCHOR            | STEEL    |
| 12     |        | DOW CORNING 995                                 | STEEL    |
| 13     |        | I.G.U. - (SEE GLAZING DETAIL ON THIS SHEET)     | STEEL    |
| 14     |        | OPAQUE PANEL - (SEE PANEL DETAIL ON THIS SHEET) | STEEL    |

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SHEET: 5 OF 5



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