

# SIMPSON DOOR COMPANY

## NON-IMPACT FIXED GLAZED WOOD SIDELIGHT

### INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL VOLUMES EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AT THE DESIGN PRESSURES STATED HEREIN.

2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT(S) NO. CCLI-10-115 AND ASSOCIATED LABORATORY DRAWINGS.

3. 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 ARCHITECT OR ENGINEER OF RECORD.

4. 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 ARCHITECT OR ENGINEER OF RECORD.

5. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, SITE SPECIFIC DOCUMENTS SHALL BE PREPARED FOR USE WITH THIS DOCUMENT.

6. THIS PRODUCT IS REQUIRED TO USE AN IMPACT PROTECTIVE SYSTEM THAT COMPLIES WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL VOLUMES IN THE WIND BORNE DEBRIS REGION

7. APPROVED CORNER TESTED CONSTRUCTION:

7.1. TRANSOM SERIES

7.2. WOOD DOWEL SERIES

7.3. MORTISE & TENON SERIES

8. MATERIALS AND COMPONENTS:

8.1. DOOR FRAME:

8.1.1. HEAD AND JAMBS: PINE

8.1.2. SILL: OAK OR MAHOGANY

8.2. PANEL CORE MATERIAL: WESTERN HEMLOCK OR DOUGLAS FIR

8.3. PANEL FACE VENEER: VARIABLE

8.4. THRESHOLD: ENDURA PRODUCTS MODEL AI5625VH3

8.5. THRESHOLD: YOUNG MFG. OAK INSWING

9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e1. SEE SHEET 4 FOR GLAZING DETAIL. QUALIFIED GLAZING INCLUDES:

9.1. 1/8" TEMPERED GLASS

9.2. 3/4" O.V. INSULATING GLASS CONSISTING OF 1/8" TEMPERED GLASS x 1/2" AIR SPACE x 1/8" TEMPERED GLASS

10. THIS PRODUCT MAY BE INSTALLED IN AN INDIVIDUAL OPENING COMPRISED OF STRUCTURAL SUBSTRATE OR AS A FIXED SIDELIGHT FRAME TO DOOR FRAME ATTACHMENT. IF INSTALLED IN AN INDIVIDUAL OPENING SEE ANCHORING REQUIREMENT NOTES ON THIS SHEET. FOR ATTACHMENT TO ANOTHER DOOR FRAME, THEN REFER TO THE INDIVIDUAL DOOR PRODUCT APPROVAL OR SITE SPECIFIC ENGINEERING DOCUMENTS FOR MULLING AND SUBSTRATE ANCHORING REQUIREMENTS.

11. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING (AS APPLICABLE):

11.1. X: OPERABLE PANEL

11.2. O: FIXED PANEL
- INSTALLATION NOTES:
1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.

2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS 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.

5. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE / MASONRY, OR DIRECTLY INTO CONCRETE / MASONRY, USE 3/16 INCH ITW ADVANCED THREADFORM TECHNOLOGY TAPCONS OR EQUAL OF SUFFICIENT LENGTH TO ACHIEVE 1 INCH MINIMUM EMBEDMENT FOR CMU BLOCK AND 1 1 2 INCH MINIMUM EMBEDMENT IS REQUIRED FOR CONCRETE.

6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING).

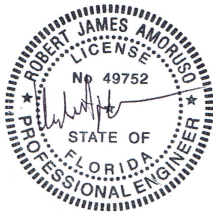
7. FOR CONCRETE BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.

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

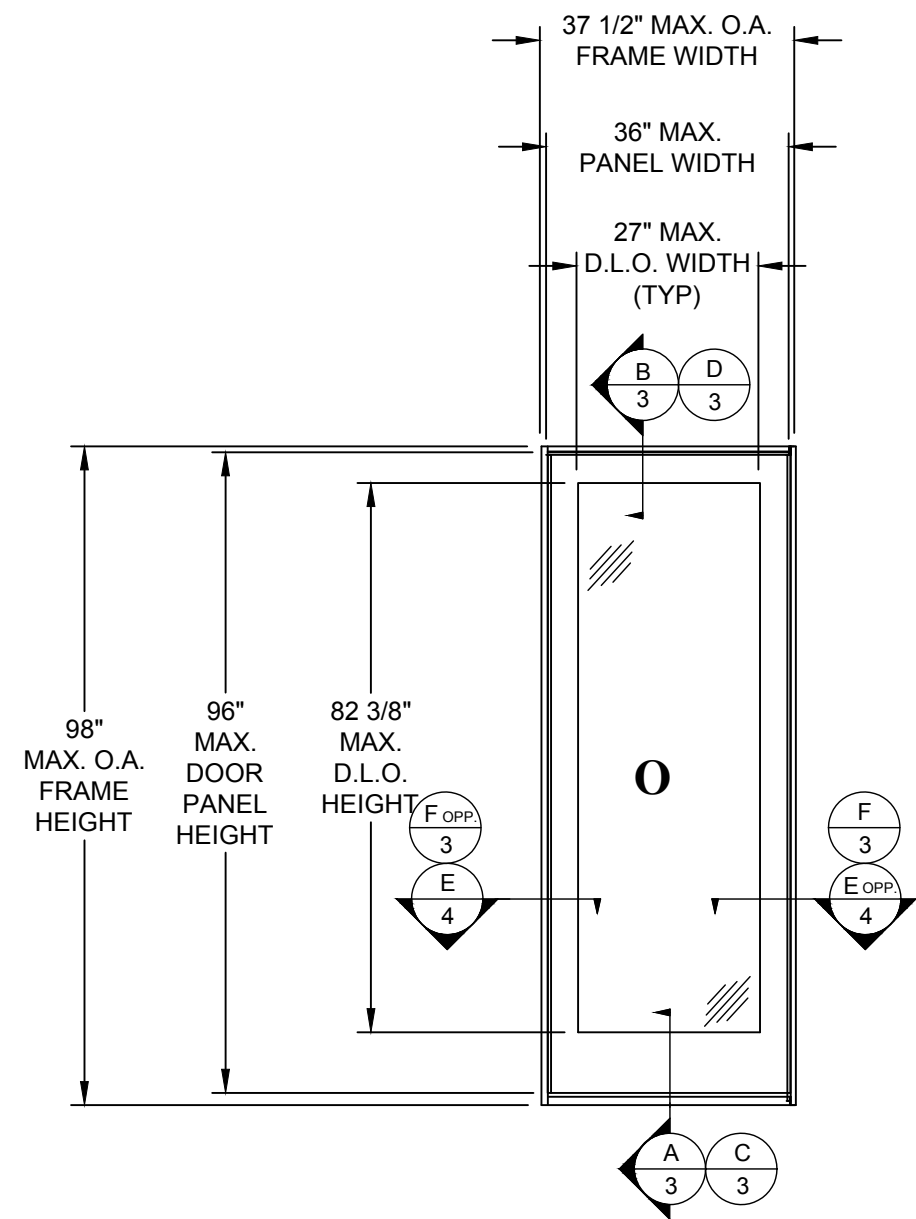
A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42.

B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

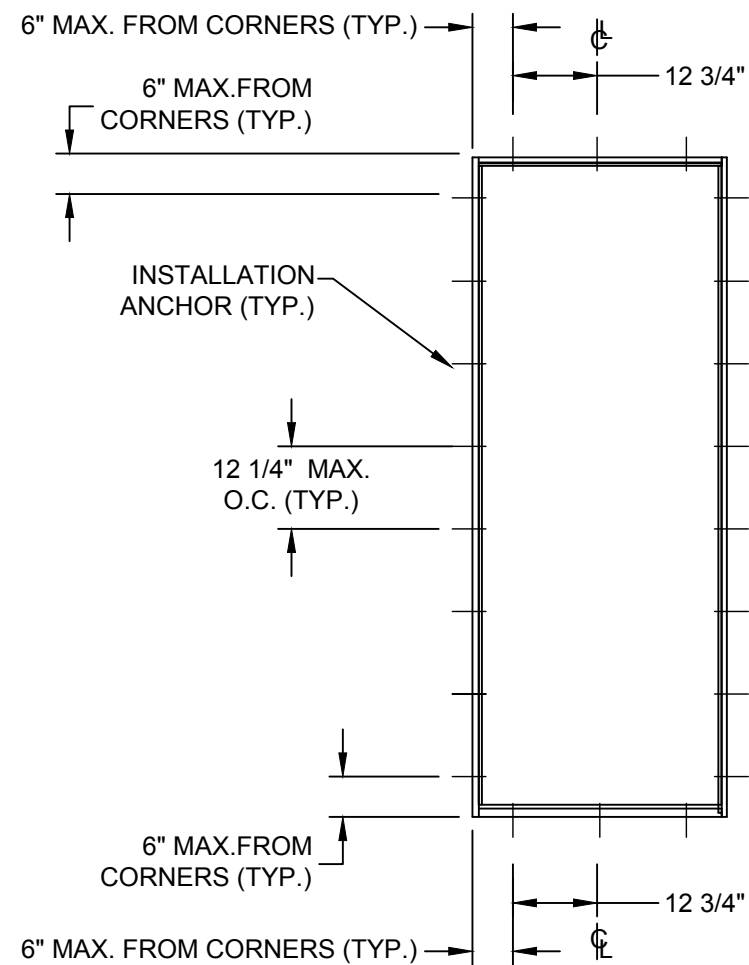
C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90.
- | TABLE OF CONTENTS |                                     |
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| SHEET             | SHEET DESCRIPTION                   |
| 1                 | GENERAL AND INSTALLATION NOTES      |
| 2                 | ELEVATION AND ANCHOR LAYOUT         |
| 3                 | VERTICAL SECTIONS & GLAZING DETAIL  |
| 4                 | HORIZONTAL SECTIONS                 |
| 5                 | B.O.M., COMPONENTS & CONFIGURATIONS |
- | DESIGN PRESSURE RATING (PSF)                   |                                                    |
|------------------------------------------------|----------------------------------------------------|
| WHERE WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED |
| ±15.0                                          | ±50.0                                              |
- |                    |  |                                  |                    |                                        |             |
|--------------------|--|----------------------------------|--------------------|----------------------------------------|-------------|
| PROJECT # 415-0307 |  | JBH                              | TJH                | RIA                                    | BY          |
|                    |  | 04/14/15                         | 05/11/12           | 05/05/11                               | DATE        |
|                    |  | UPDATE TO 5TH EDITION (2014) FBC | UPDATE TO 2010 FBC | REVISED TO INCORPORATE REVIEW COMMENTS | DESCRIPTION |
|                    |  | C                                | B                  | A                                      | REV         |
- |                                                                                                 |                                                                                    |                                                                                                                                                                                                                                                        |          |             |        |  |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|--------|--|
| CUSTOMER:<br><b>SIMPSON DOOR COMPANY</b><br>400 W. SIMPSON AVENUE<br>McCLEARY, WASHINGTON 98557 | TITLE:<br>NON-IMPACT FIXED GLAZED WOOD SIDELIGHT<br>GENERAL AND INSTALLATION NOTES | DRAWN BY:                                                                                                                                                                                                                                              | DATE:    | DRAWING NO: | SHEET: |  |
|                                                                                                 |                                                                                    | JM                                                                                                                                                                                                                                                     | 01/14/11 | SIMP1061    | 1 OF 5 |  |
|                                                                                                 |                                                                                    | SCALE:                                                                                                                                                                                                                                                 |          |             |        |  |
|                                                                                                 |                                                                                    | N.T.S.                                                                                                                                                                                                                                                 |          |             |        |  |
|                                                                                                 |                                                                                    | REV:                                                                                                                                                                                                                                                   | C        |             |        |  |
|                                                                                                 |                                                                                    |  <div>PTC PRODUCT DESIGN GROUP, LLC<br/>PO BOX 520775<br/>LONGWOOD, FLORIDA 32752<br/>Phone: 321.690.1788<br/>Fax: 321.690.1789<br/>Email: info@ptc-corp.com</div> |          |             |        |  |
- Robert J. Amoruso  
Florida P.E. No. 49752



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Date: 2015.04.23 13:32:00 -04'00'



**ELEVATION**  
EXTERIOR VIEW

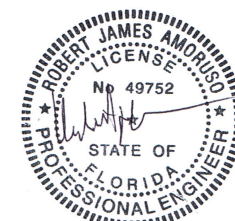


**ANCHOR LAYOUT**  
**50.0 D.P.**  
EXTERIOR VIEW  
(SEE INSTALLATION NOTE 2)

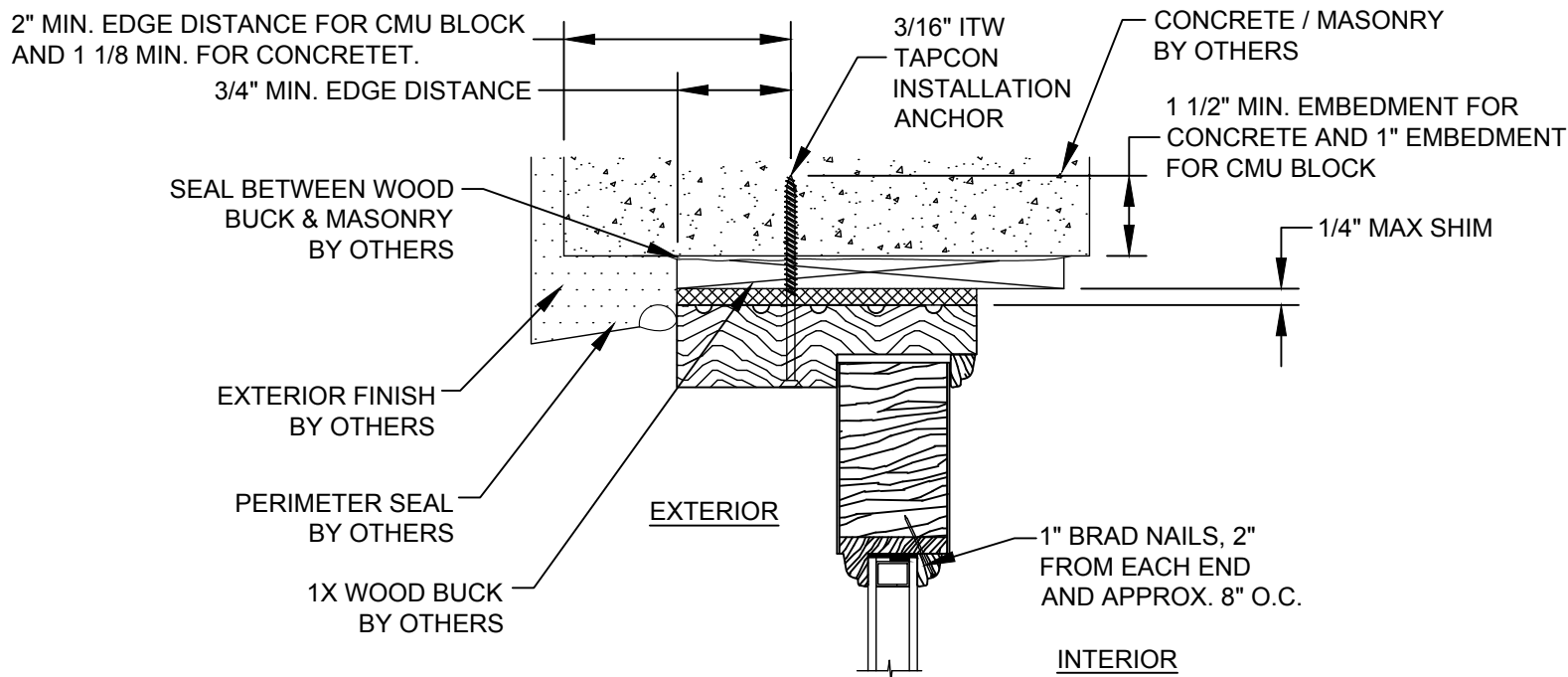
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| PROJECT # 415-0307 |                                        |     |          |
| C                  | UPDATE TO 5TH EDITION (2014) FBC       | JBH | 04/14/15 |
| B                  | UPDATE TO 2010 FBC                     | TJH | 05/11/12 |
| A                  | REVISED TO INCORPORATE REVIEW COMMENTS | RJA | 05/05/11 |
| REV                | DESCRIPTION                            | BY  | DATE     |

|                                                                                                                                                   |          |             |          |
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| SIMPSON DOOR COMPANY<br>400 W. SIMPSON AVENUE<br>McCLEARY, WASHINGTON 98557                                                                       |          |             |          |
| NON-IMPACT FIXED GLAZED WOOD SIDELIGHT<br>ELEVATION & ANCHOR LAYOUT                                                                               |          |             |          |
| DATE:                                                                                                                                             | 01/14/11 | DRAWING NO: | SIMP1061 |
| DRAWN BY:                                                                                                                                         | JM       | SCALE:      | N.T.S.   |
| REV:                                                                                                                                              | C        | SHEET:      | 2 OF 5   |
| PTC PRODUCT DESIGN GROUP, LLC<br>PO BOX 520715<br>LONGWOOD, FLORIDA 32752<br>Phone: 321.690.1788<br>Fax: 321.690.1789<br>Email: info@ptc-corp.com |          |             |          |

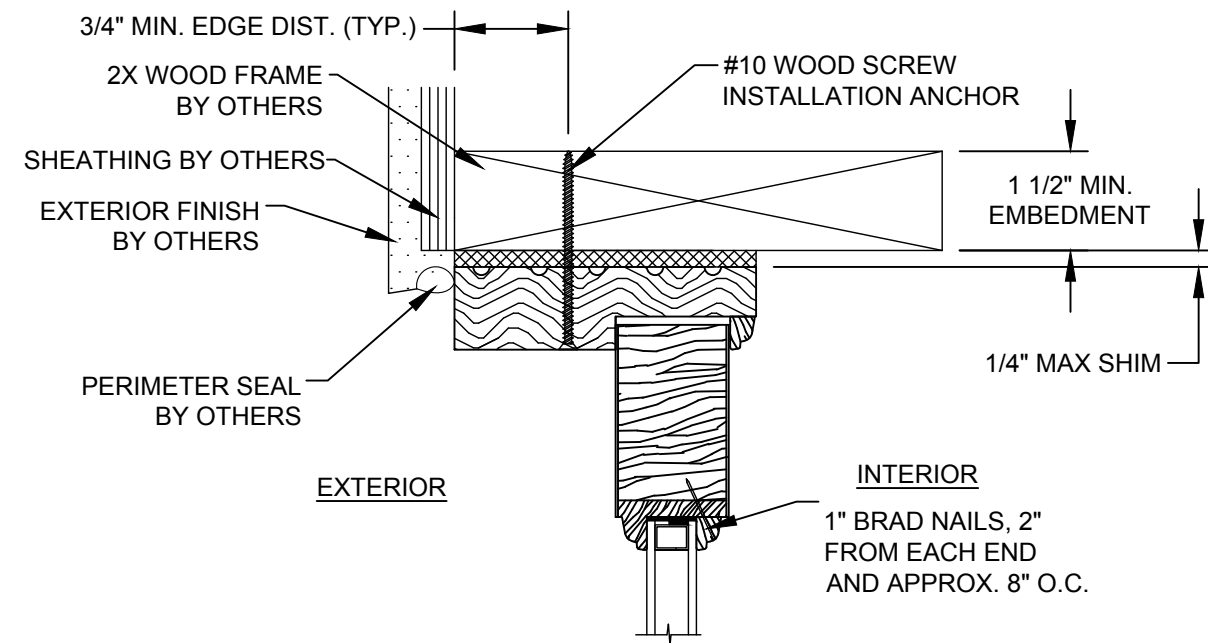
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Florida P.E. No. 49752



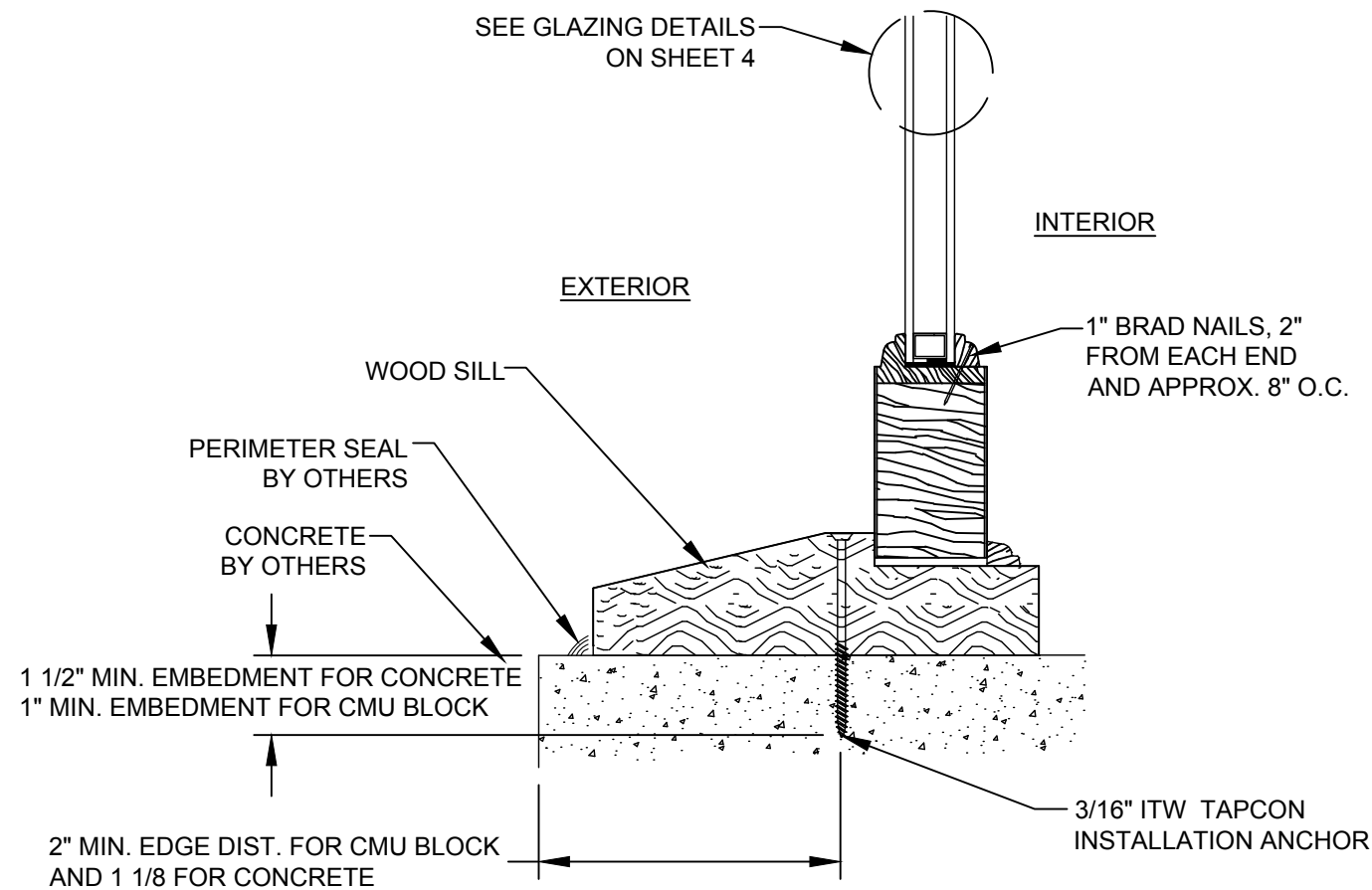
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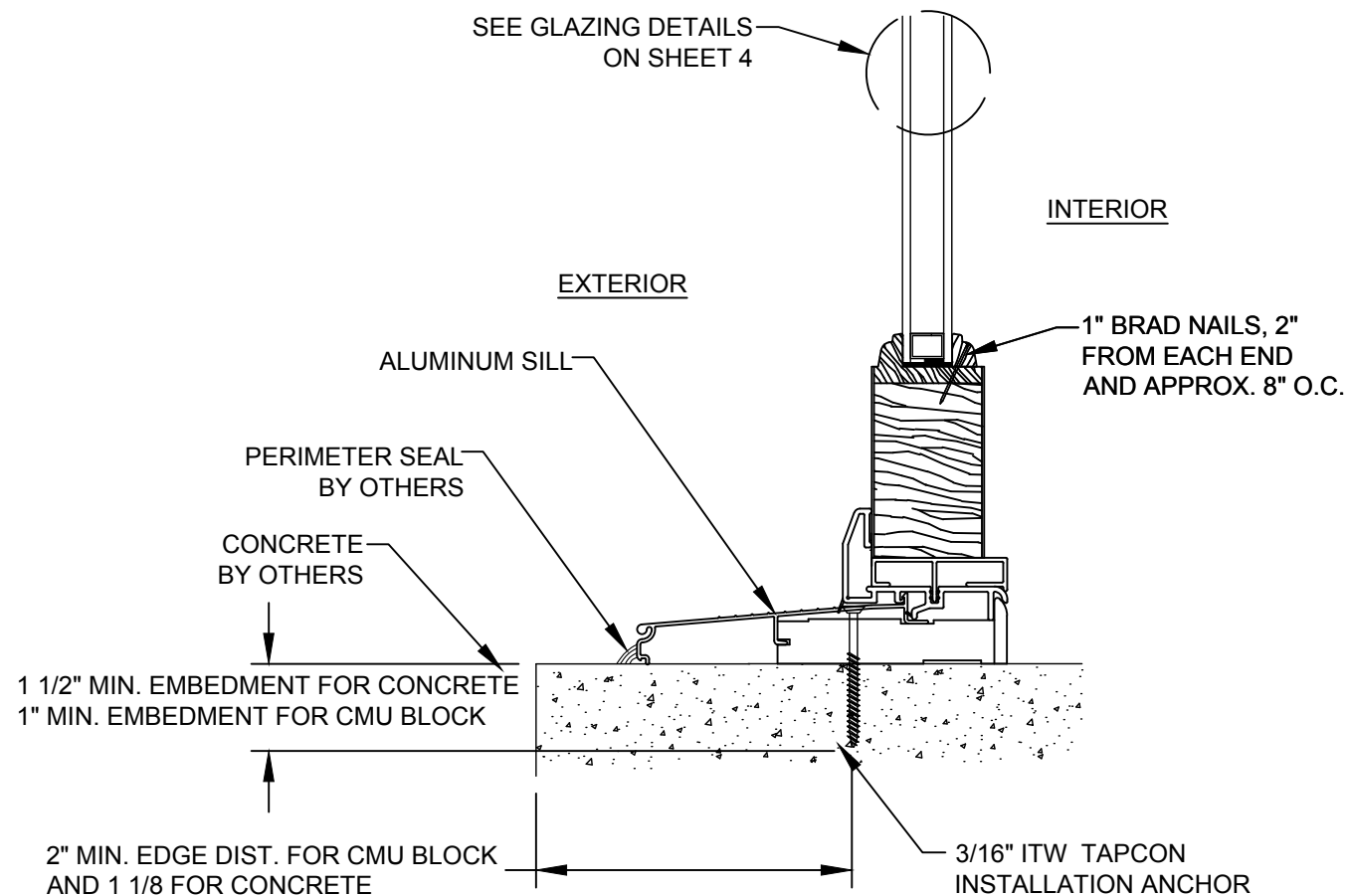
**B** **VERTICAL SECTION**  
CONCRETE / MASONRY SUBSTRATE



**D** **VERTICAL SECTION**  
2X WOOD SUBSTRATE



**A** **VERTICAL SECTION**  
CONCRETE SUBSTRATE

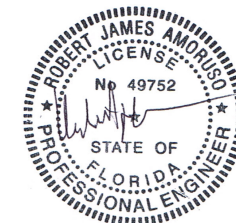


**C** **VERTICAL SECTION**  
CONCRETE SUBSTRATE

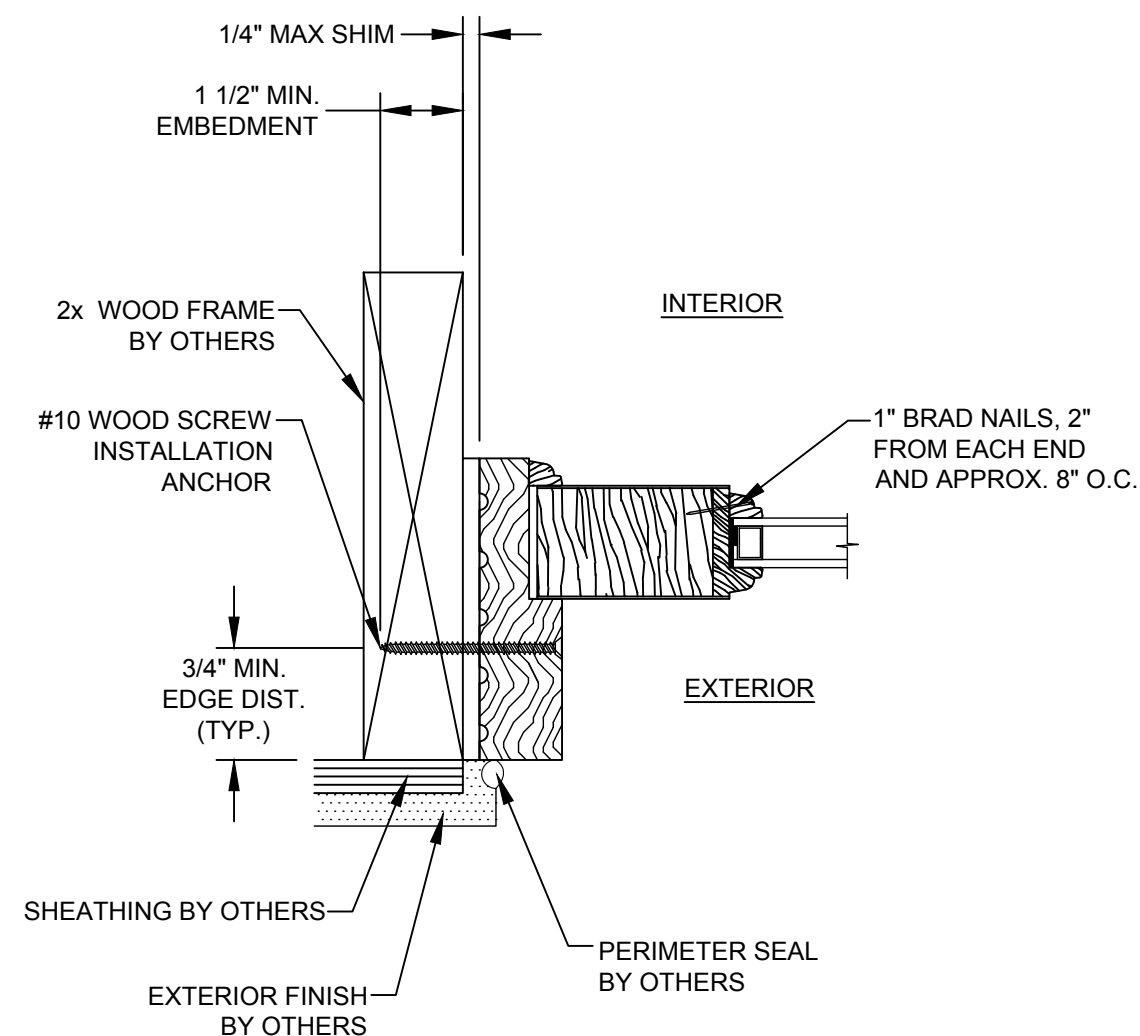
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| PROJECT # 415-0307               |          |                                       |      |             |
| JBH                              | TJH      | RJA                                   | BY   |             |
| 04/14/15                         | 05/11/12 | 05/05/11                              | DATE |             |
| C                                | B        | A                                     | REV  |             |
| UPDATE TO 5TH EDITION (2014) FBC |          | REVISD TO INCORPORATE REVIEW COMMENTS |      | DESCRIPTION |

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| SIMPSON DOOR COMPANY<br>400 W. SIMPSON AVENUE<br>McCLEARY, WASHINGTON 98557                                                                       |          |             |        |        |
| NON-IMPACT FIXED GLAZED WOOD SIDELIGHT<br>VERTICAL SECTIONS & GLAZING DETAIL                                                                      |          |             |        |        |
| DRAWN BY:                                                                                                                                         | DATE:    | DRAWING NO: | SHEET: | 3 OF 5 |
| JM                                                                                                                                                | 01/14/11 | N.T.S.      | C      |        |
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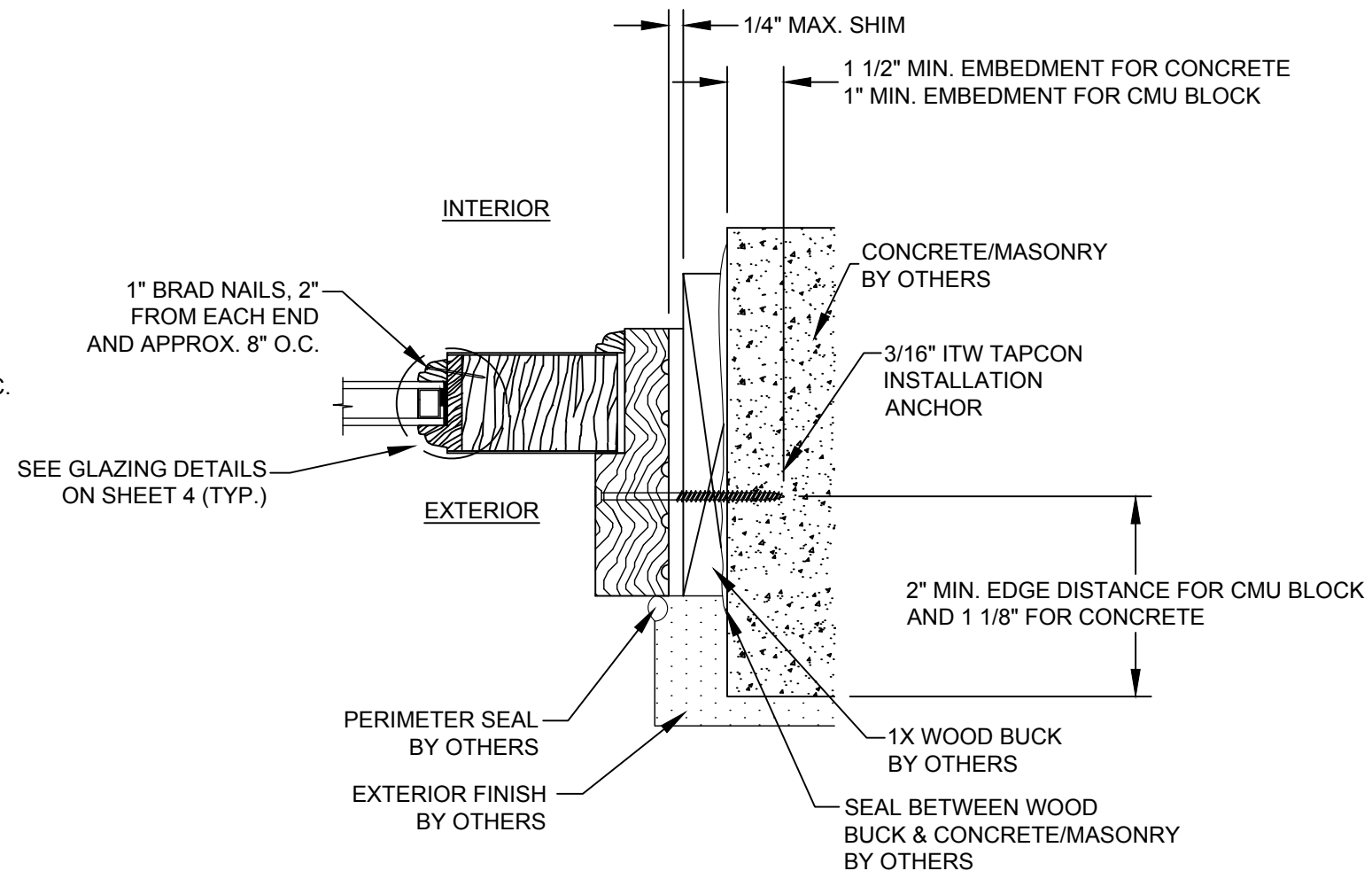
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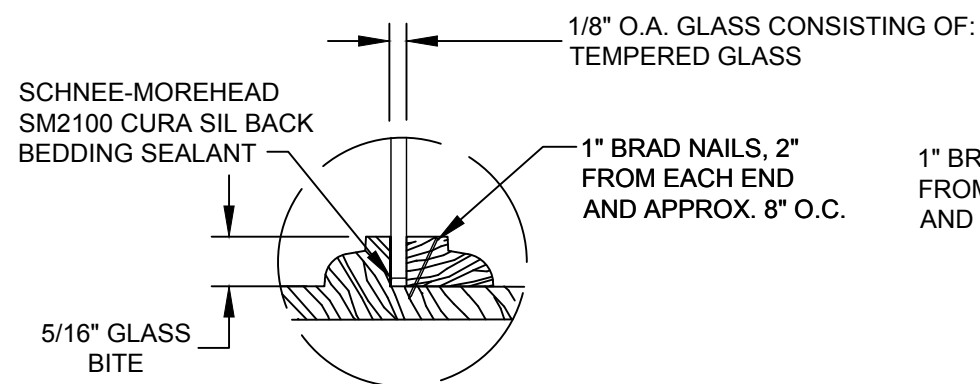
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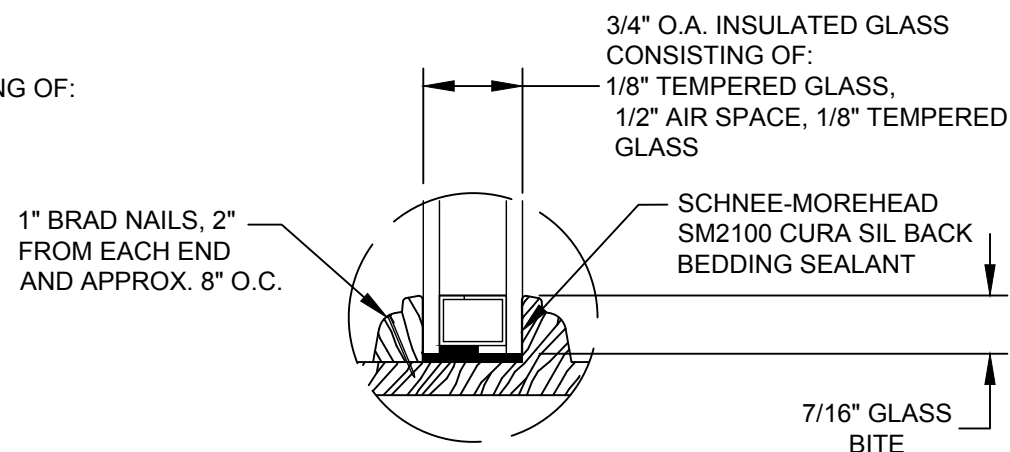
**E HORIZONTAL SECTION**  
WOOD SUBSTRATE



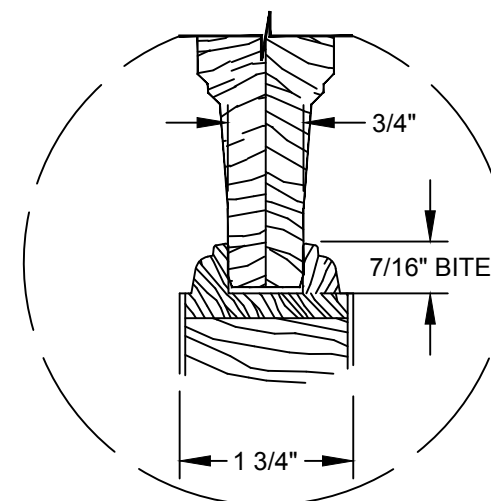
**F HORIZONTAL SECTION**  
CONCRETE / MASONRY SUBSTRATE



**GLAZING DETAIL 1**



**GLAZING DETAIL 2**

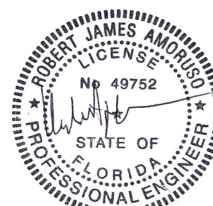


**WOOD PANEL DETAIL**  
RAISED WOOD PANEL  
(DOOR LEAF ONLY)

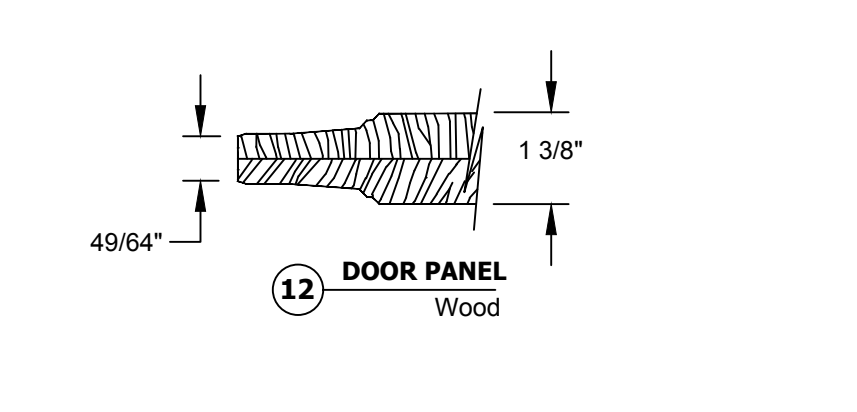
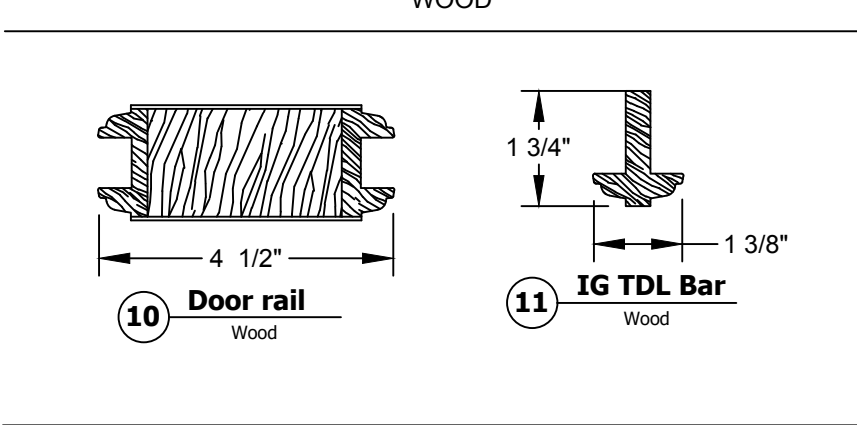
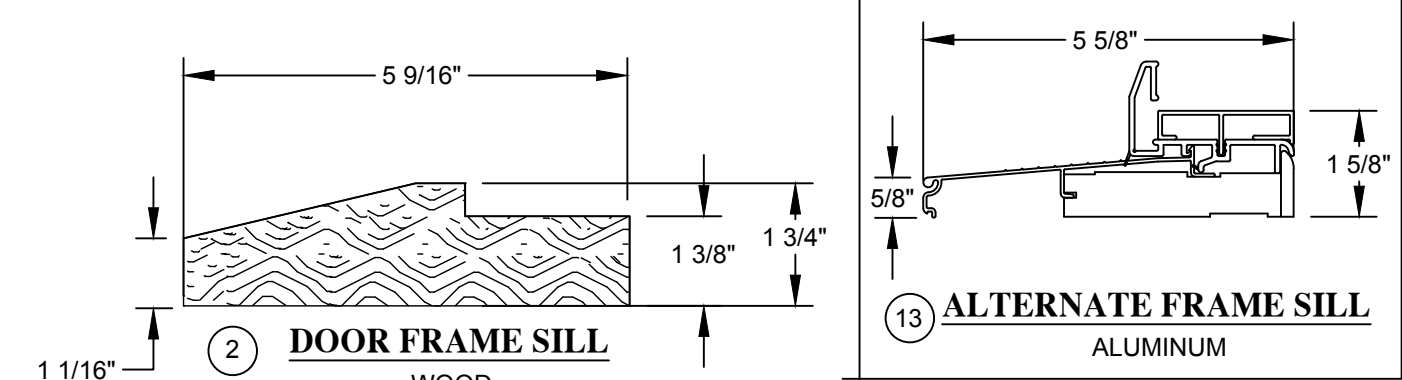
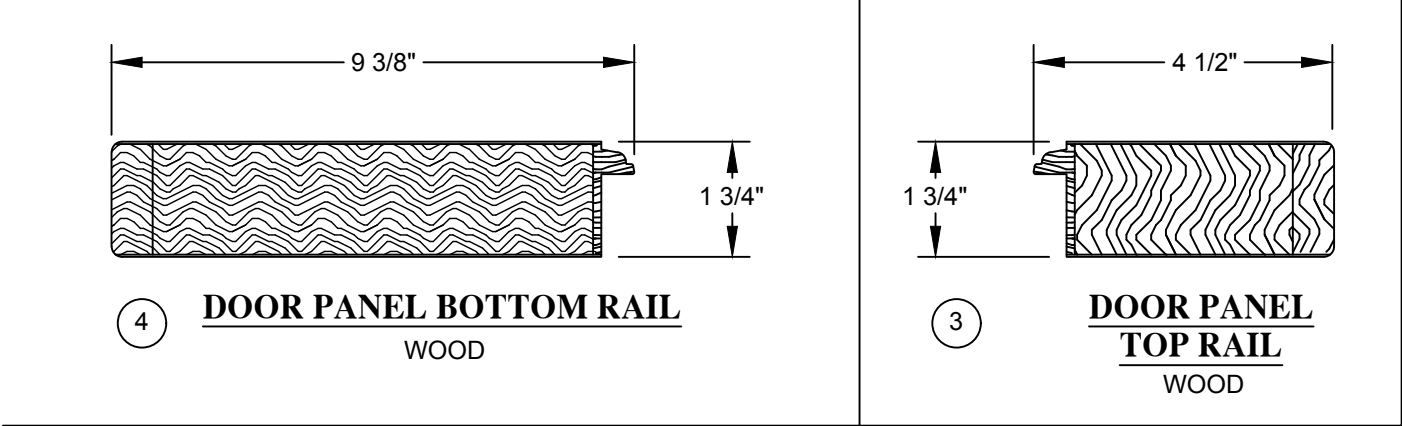
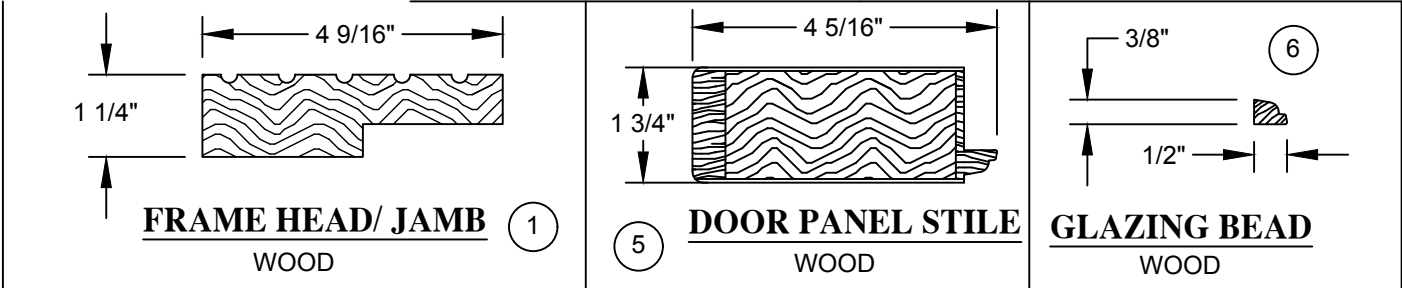
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| PROJECT # 415-0307               |                    |                                        |             |  |
| JBH                              | TJH                | RJA                                    | BY          |  |
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|-----------------------------------------------------------------------------|-----------|----------|-------------|--------|
| SIMPSON DOOR COMPANY<br>400 W. SIMPSON AVENUE<br>McCLEARY, WASHINGTON 98557 |           |          |             |        |
| TITLE: NON-IMPACT FIXED GLAZED WOOD SIDELIGHT<br>HORIZONTAL SECTIONS        |           |          |             |        |
| PREPARED BY:                                                                | DRAWN BY: | DATE:    | DRAWING NO: | SHEET: |
| PTC PRODUCT DESIGN GROUP, LLC<br>PO BOX 520715<br>LONGWOOD, FLORIDA 32752   | JM        | 01/14/11 | N.T.S.      | 4 OF 5 |
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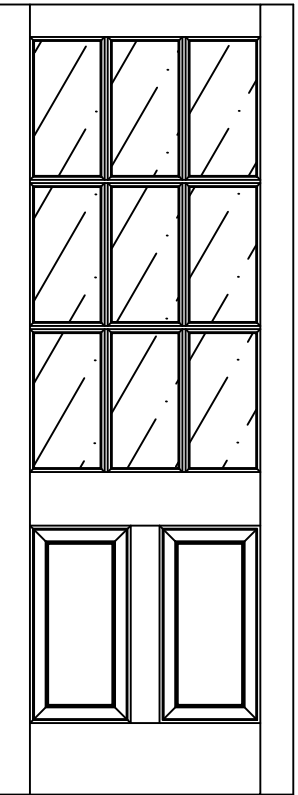
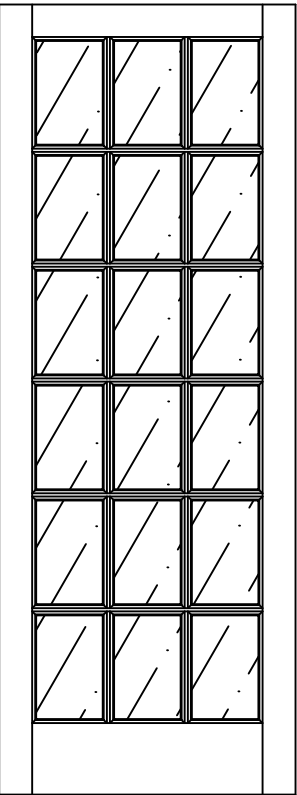
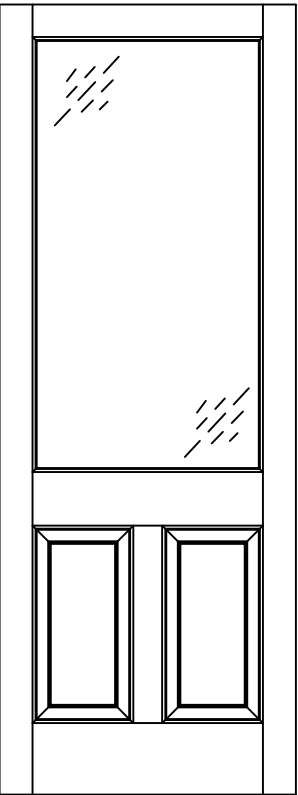
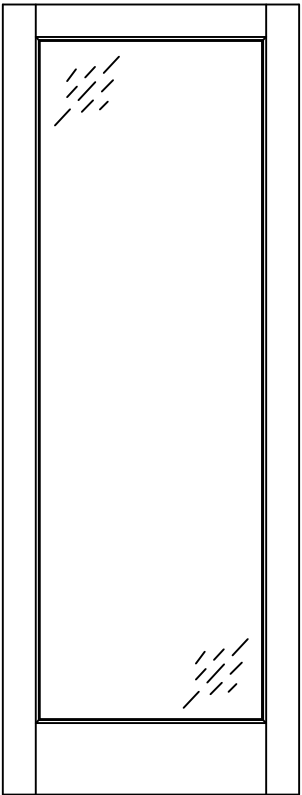
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| ITEM | DESCRIPTION                                                                                       | PART # | MATERIAL          | MANUFACTURER |
|------|---------------------------------------------------------------------------------------------------|--------|-------------------|--------------|
| 1    | FRAME HEAD & JAMB                                                                                 |        | PINE              | PURCHASED    |
| 2    | FRAME SILL                                                                                        |        | OAK OR MAHOGANY   | PURCHASED    |
| 3    | DOOR PANEL TOP RAIL                                                                               |        | WESTERN HEMLOCK * | SIMPSON DOOR |
| 4    | DOOR PANEL BOTTOM RAIL                                                                            |        | WESTERN HEMLOCK * | SIMPSON DOOR |
| 5    | DOOR PANEL STILE                                                                                  |        | WESTERN HEMLOCK * | SIMPSON DOOR |
| 6    | GLAZING BEAD                                                                                      |        | WESTERN HEMLOCK * | SIMPSON DOOR |
| 7    | 1/8" TEMPERED GLASS                                                                               |        | GLASS             | PURCHASE     |
| 8    | 3/4" O.A. INSULATED GLASS CONSISTING OF: 1/8" TEMPERED GLASS, 1/2" AIR SPACE, 1/8" TEMPERED GLASS |        | GLASS             | PURCHASE     |
| 10   | DOOR RAIL                                                                                         |        | WESTERN HEMLOCK * | SIMPSON DOOR |
| 11   | 1.G. TDL BAR                                                                                      |        | WESTERN HEMLOCK * | SIMPSON DOOR |
| 12   | DOOR PANEL                                                                                        |        | WESTERN HEMLOCK * | SIMPSON DOOR |
| 13   | ALTERNATE FRAME SILL                                                                              |        | ALUMINUM          | PURCHASED    |

\* DOUGLAS FIR MAY BE USED IN LIEU OF WESTERN HEMLOCK.

TYPICAL APPROVED FIXED PANEL CONFIGURATIONS



|                                  |   |          |          |             |      |
|----------------------------------|---|----------|----------|-------------|------|
| PROJECT # 415-0307               |   | JBH      | TJH      | RJA         | BY   |
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| C                                | B | A        | REV      | DESCRIPTION | REV  |

**SIMPSON DOOR COMPANY**  
400 W. SIMPSON AVENUE  
McCLEARY, WASHINGTON 98557

**NON-IMPACT FIXED GLAZED WOOD SIDELIGHT HORIZONTAL SECTIONS**

**PREPARED BY:** JM  
**SCALE:** N.T.S.  
**REV:** C

**DATE:** 01/14/11  
**DRAWING NO:** SIMP1061  
**SHEET:** 5 OF 5

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Date: 2015.04.23 13:33:05 -04'00'