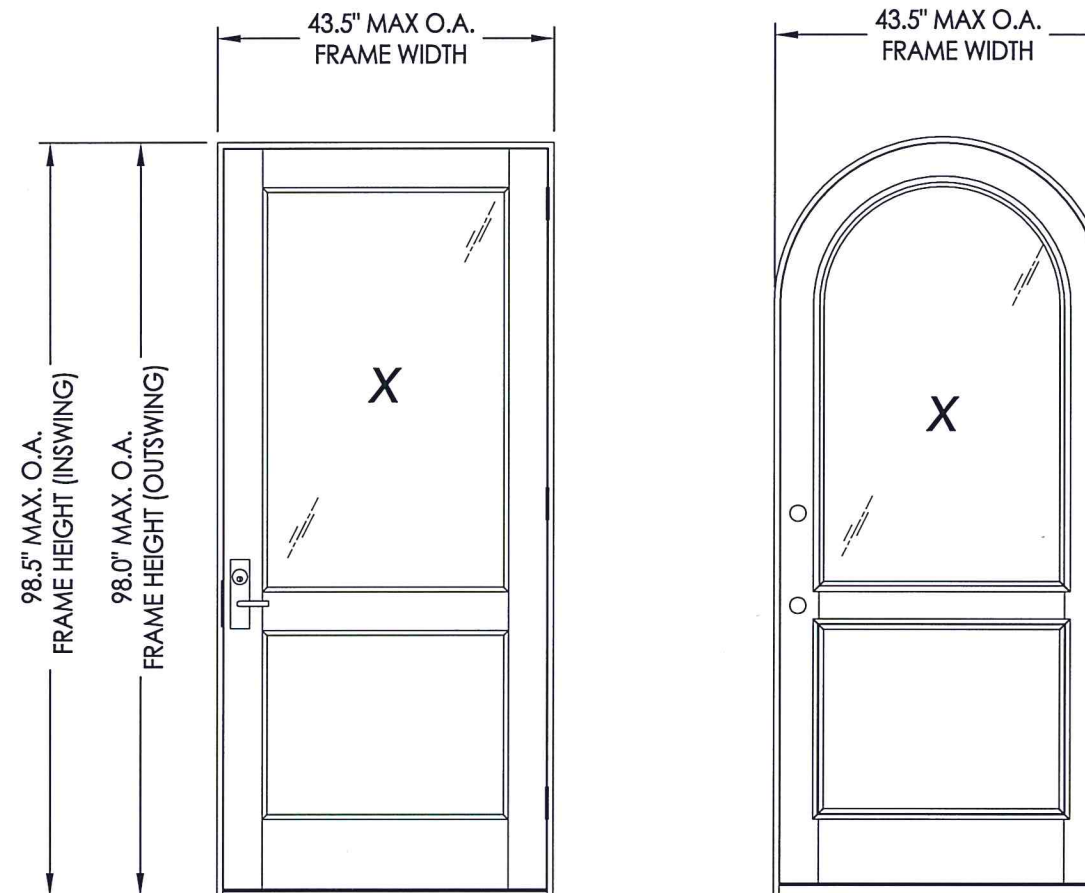


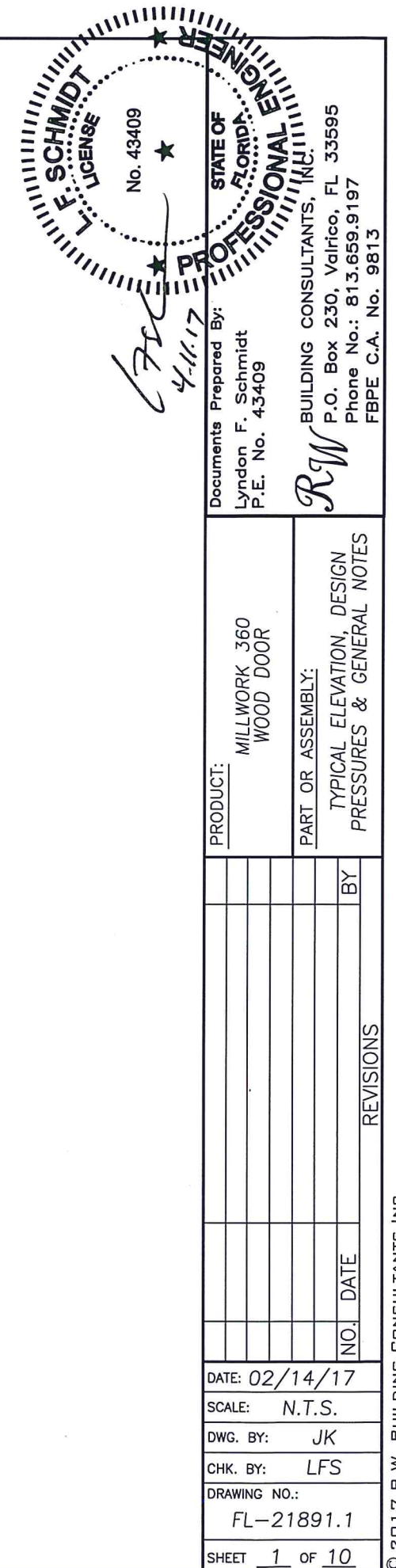
## GENERAL NOTES

1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection, this product complies with Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and Section 1609.1.2.2 of the FBC.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

| TABLE OF CONTENTS |                                                      |
|-------------------|------------------------------------------------------|
| SHEET#            | DESCRIPTION                                          |
| 1                 | Typical Elevations, Design Pressures & General Notes |
| 2                 | Door Panel Details                                   |
| 3                 | Door Panel Details                                   |
| 4                 | Elevations                                           |
| 5                 | Horizontal & Vertical Cross Sections (2X Buck)       |
| 6                 | Horizontal & Vertical Cross Sections (1X Buck)       |
| 7                 | Vertical Cross Sections (Thresholds)                 |
| 8                 | Buck & Frame Anchoring                               |
| 9                 | Hardware Details                                     |
| 10                | Bill of Materials & Components                       |



| CONFIGURATION | DESIGN PRESSURE (PSF)<br>INSWING |          | DESIGN PRESSURE (PSF)<br>OUTSWING |          |
|---------------|----------------------------------|----------|-----------------------------------|----------|
|               | POSITIVE                         | NEGATIVE | POSITIVE                          | NEGATIVE |
| X             | +50.0                            | -50.0    | +50.0                             | -50.0    |



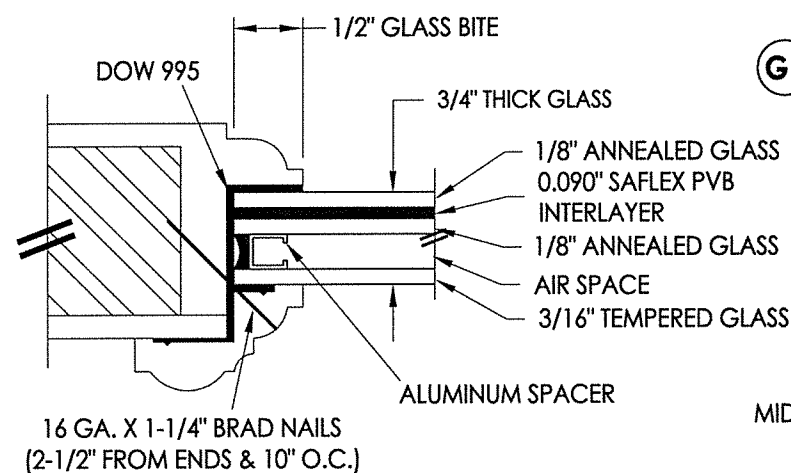
5.63"

1.75"

STILE

P1

Technical drawing of a section of a railing system. The drawing shows a cross-section of a railing with a top rail and two 5/8 inch diameter by 4 inch long dowels (typical) securing it. The railing is 1.75 inches wide and 5.63 inches high. A callout 'G1' points to the base of the railing post.



DOW 995

3/4" PLYWOOD PANEL

RAISED PANEL

FALSE LOUVERS

Diagram illustrating the dimensions and components of a rectangular panel:

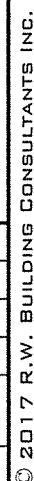
- 35.88" MAX. PANEL WIDTH**: Dimension across the top of the panel.
- 80.75" MAX. D.L.O. HEIGHT**: Dimension along the left side of the panel.
- 24.75" MAX. D.L.O. WIDTH**: Dimension across the top of the inner rectangular area.
- GLAZED OR OPAQUE**: Label indicating the material of the inner rectangular area.
- X**: A large 'X' mark is present in the center of the inner rectangular area.
- 1** and **2**: A circle containing the numbers 1 and 2, positioned on the left side of the panel.
- 36"**: Dimension along the right side of the panel.

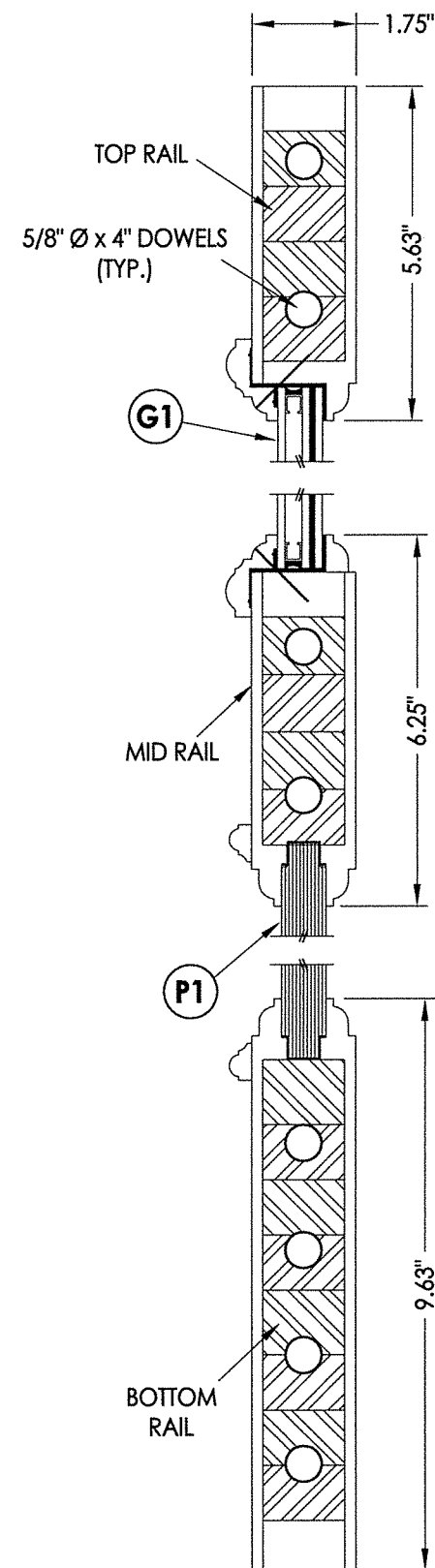
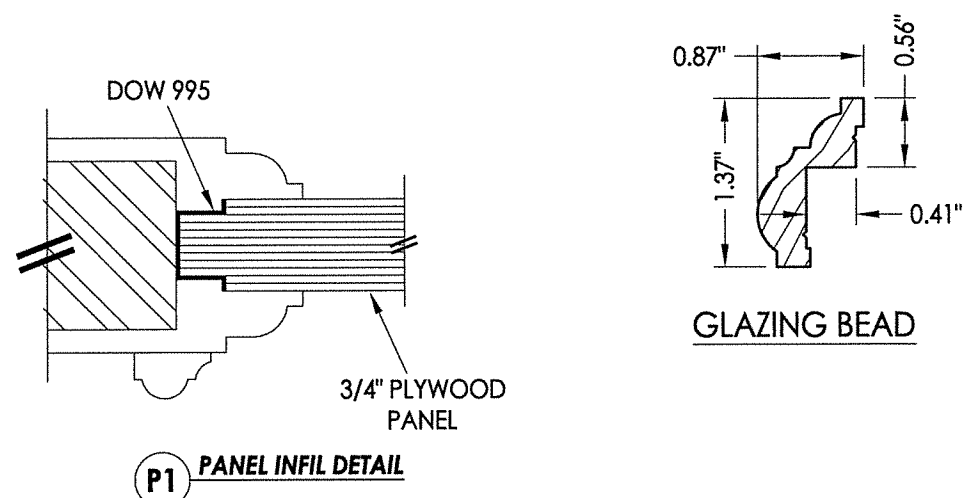
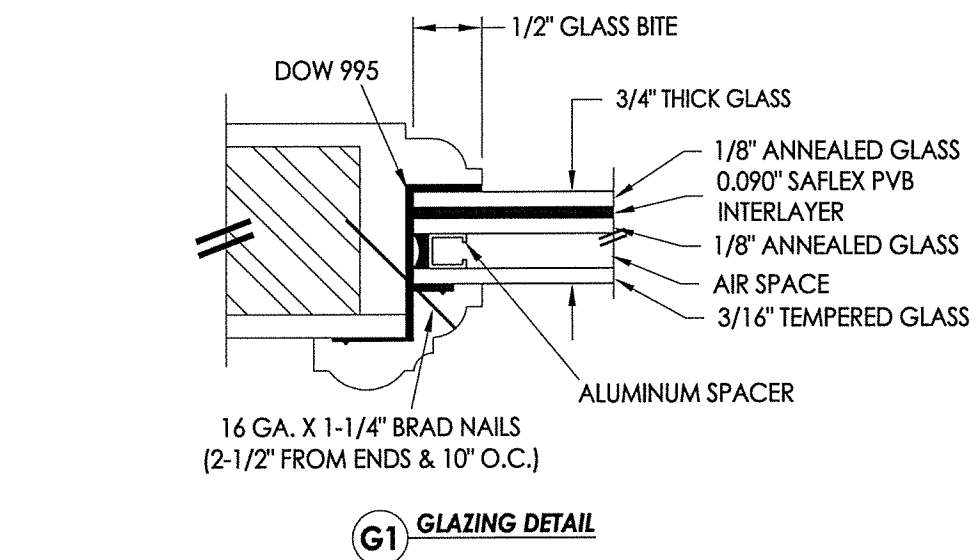
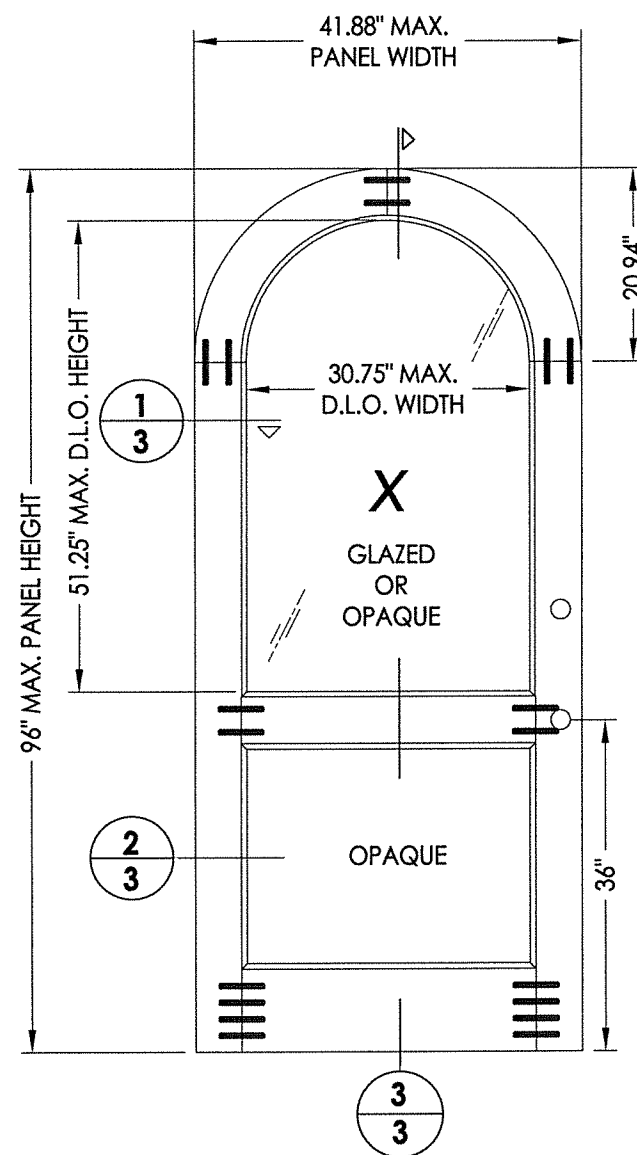
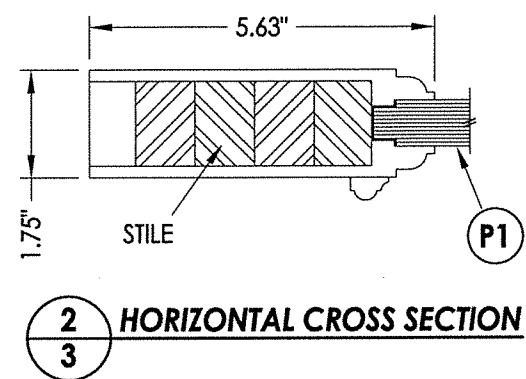
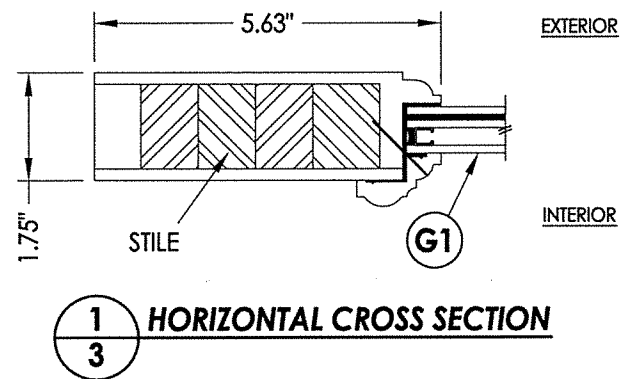
Diagram illustrating a raised panel joint. The panel is shown with a raised section, labeled "RAISED PANEL", which fits into a corresponding groove in the base.

FALSE LOUVERS

Technical drawing of a vertical assembly. The TOP RAIL is 1.75 inches wide and 5.63 inches high. A callout G1 points to a component between the rails. The BOTTOM RAIL is shown below the TOP RAIL.

**4** VERTICAL CROSS SECTION  
**2**





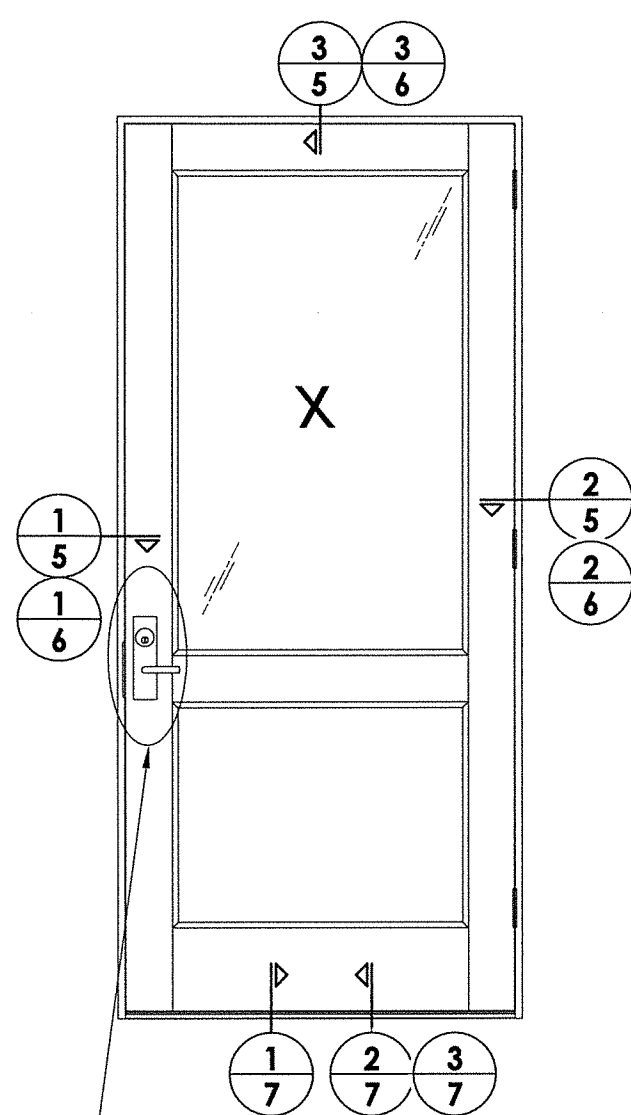
WOOD DOOR COMPONENTS:  
 VENEER/EDGES: CYPRESS (G = 0.42)  
 ENGINEERED STAVE CORE: SIPO (UTILE) (G = 0.53)

[illegible]

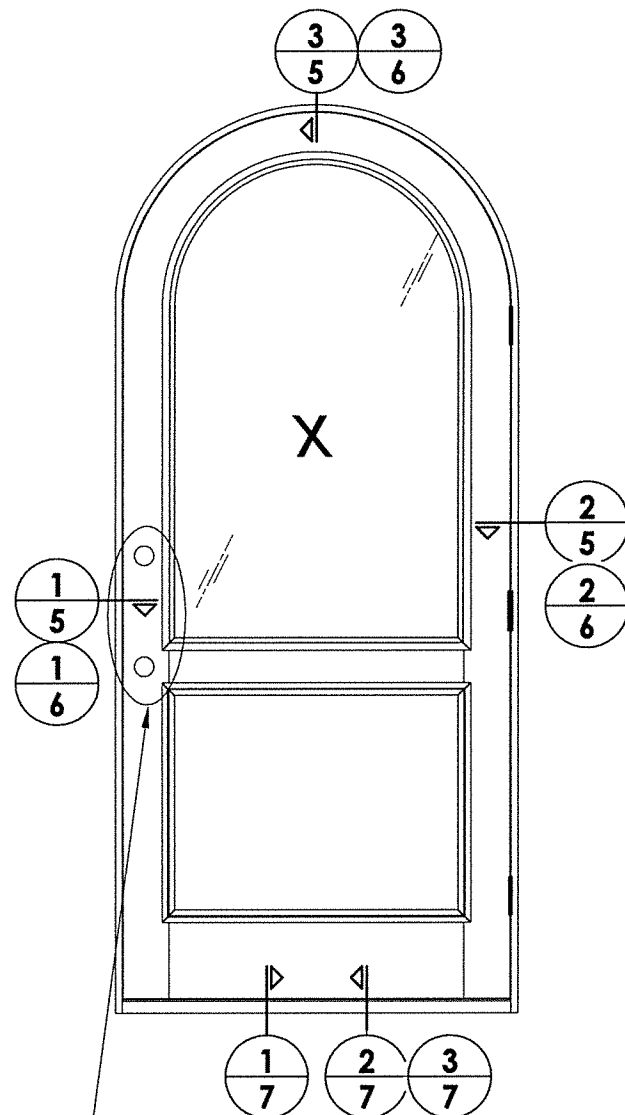
F. SCHMIDT  
 LICENSE  
 No. 43409  
 STATE OF  
 FLORIDA  
 PROFESSIONAL ENGINEER

Documents Prepared By:  
 Lyndon F. Schmidt  
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RW BUILDING CONSULTANTS, INC.  
 P.O. Box 230, Valrico, FL 33595  
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 FBPE C.A. No. 9813

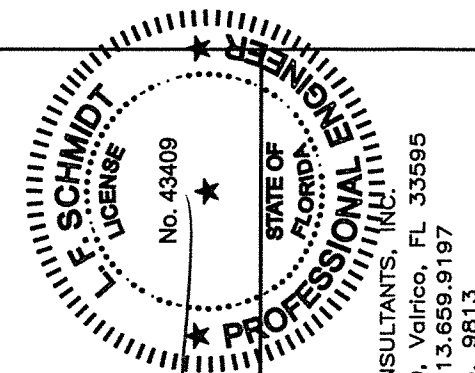


SEE HARDWARE  
CHART



Panel options shown are for illustration and are representative only. Surface applied muntins are used for simulated divided lites shown.

| HARDWARE TABLE |                                                            |
|----------------|------------------------------------------------------------|
| MANUFACTURER   | MODEL                                                      |
| EMTEK          | Mortise: 3545 Entry Set                                    |
| SCHLAGE        | KNOB: F51<br>DEADBOLT: B60N                                |
| KWIKSET        | KNOB: SIGNATURE SERIES<br>DEADBOLT: SIGNATURE SERIES (980) |



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Phone No.: 813.659.9197  
FBPE C.A. No. 9813

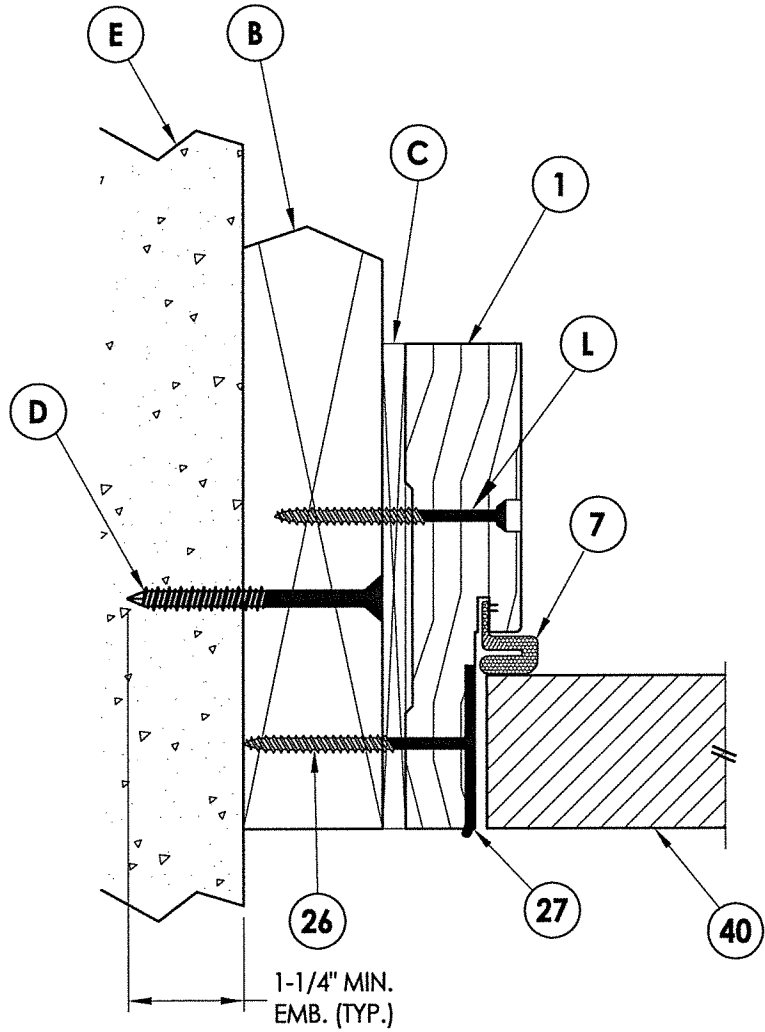
PRODUCT: MILLWORK 360  
WOOD DOOR

PART OR ASSEMBLY:  
ELEVATIONS

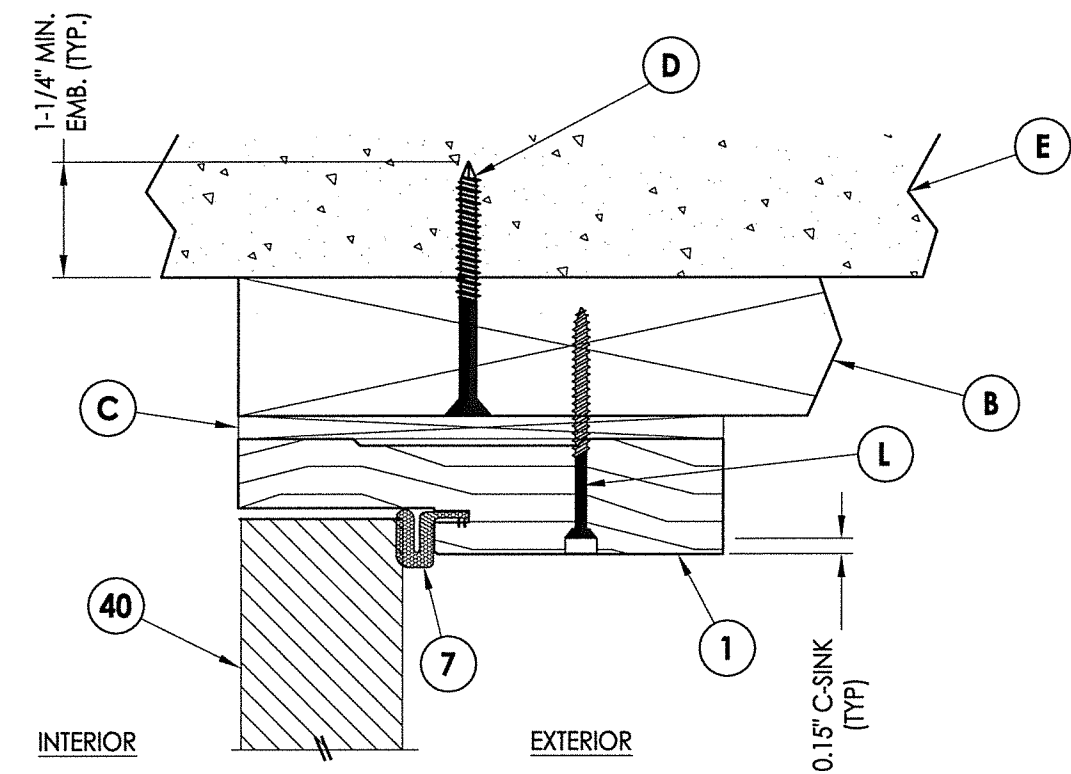
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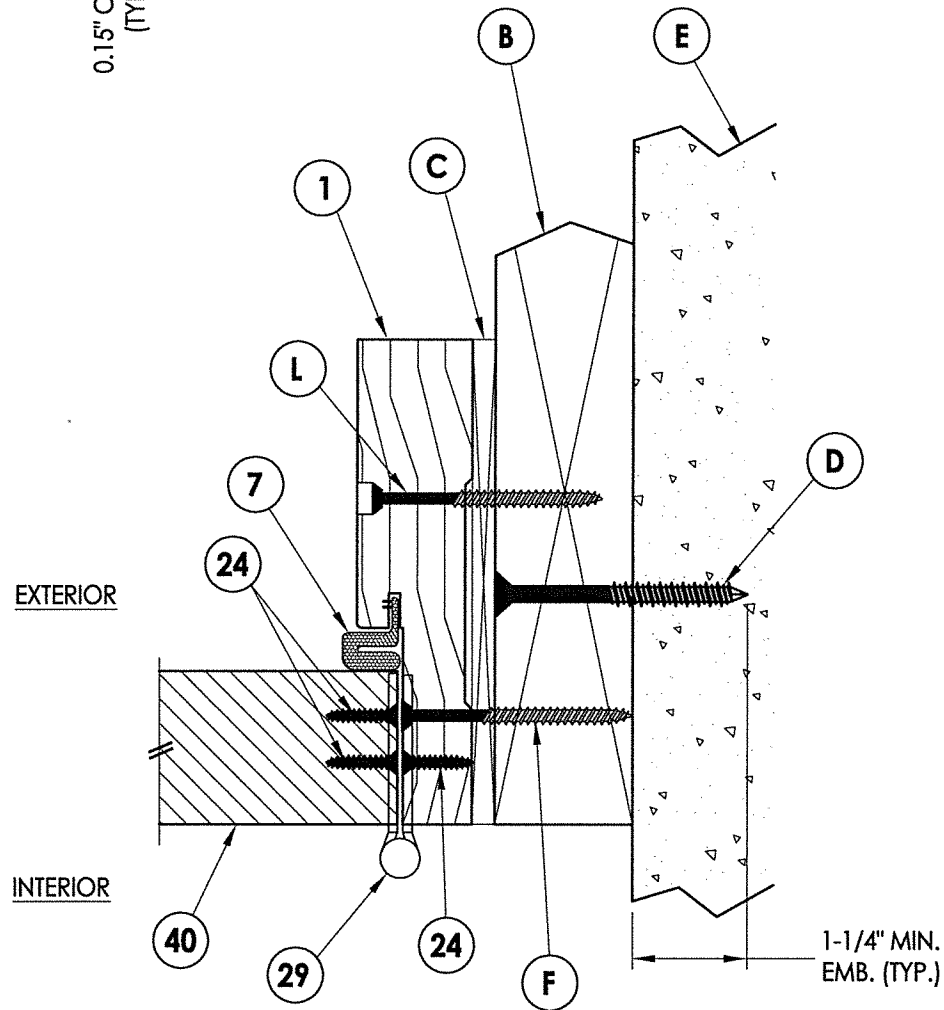
R:\Clients\Millwork 360A - Florida Product Approvals\FL-21891 Wood Doors\C - Drawings\FL-21891 (2014)\FL-21891.1-3.dwg, 5.1



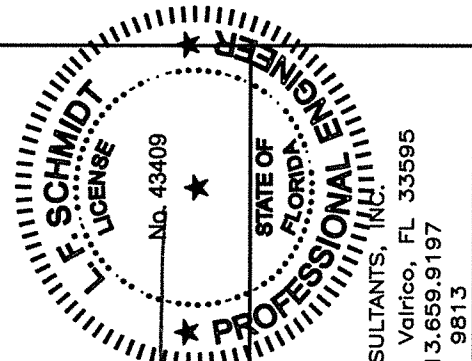
**1 HORIZONTAL CROSS SECTION**  
5 Shown w/ 2X Buck  
Inswing shown (Outswing similar)



**3 VERTICAL CROSS SECTION**  
5 Shown w/ 2X Buck  
Inswing shown (Outswing similar)



**2 HORIZONTAL CROSS SECTION**  
5 Shown w/ 2X Buck  
Inswing shown (Outswing similar)



Documents Prepared By:  
Lyndon F. Schmidt  
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R.W. BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE C.A. No. 9813

PRODUCT: MILLWORK 360  
WOOD DOOR

PART OR ASSEMBLY:  
HORIZONTAL & VERTICAL  
CROSS SECTIONS (2X BUCK)

DATE: 02/14/17  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-21891.1  
SHEET 5 OF 10

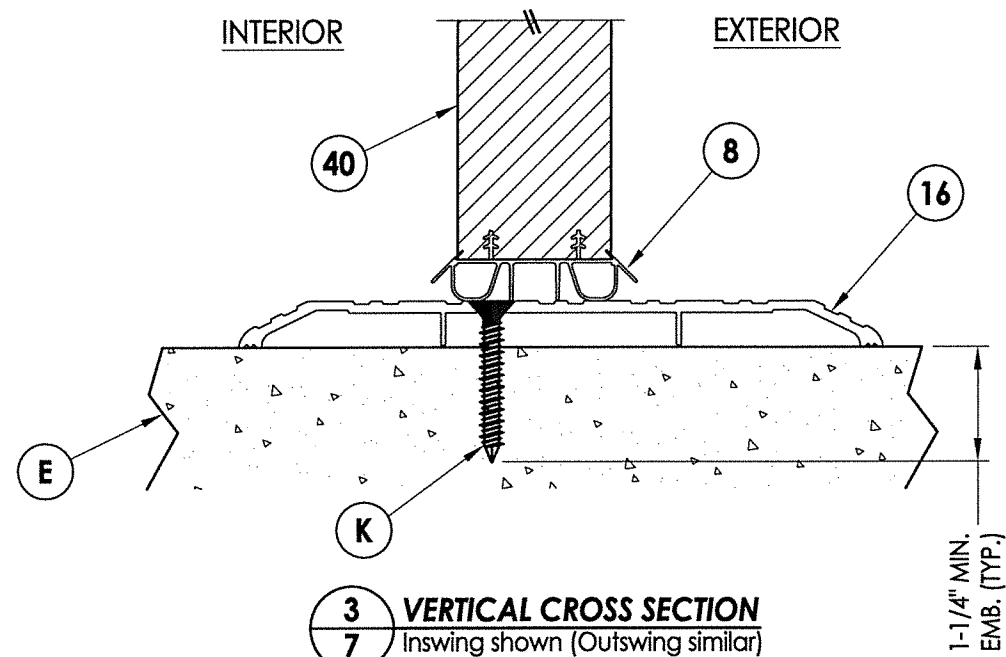
Diagram illustrating the cross-section of a window assembly, showing the interior and exterior views. The assembly includes a window frame (1) and a sash (2). The interior side is labeled "INTERIOR" and the exterior side is labeled "EXTERIOR". The diagram shows the relationship between the window frame, sash, and the surrounding structure (3). Key components and labels include:

- A**: Window frame (1)
- B**: Sash (2)
- C**: Window frame (1)
- D**: Window frame (1)
- E**: Window frame (1)
- F**: Window frame (1)
- G**: Window frame (1)
- H**: Window frame (1)
- I**: Window frame (1)
- J**: Window frame (1)
- 1**: Window frame (1)
- 2**: Sash (2)
- 3**: Window frame (1)
- 40**: Window frame (1)
- 7**: Window frame (1)

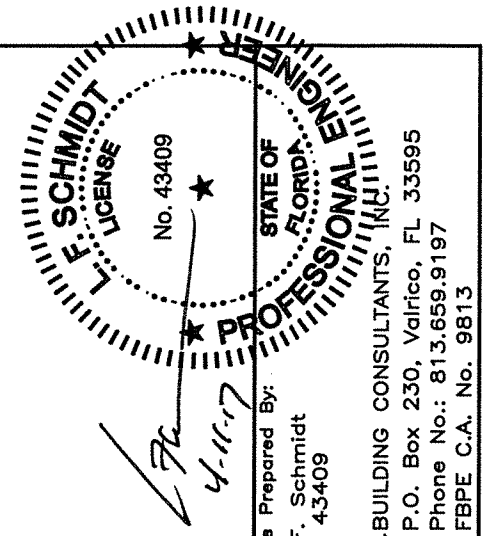
Vertical dimension: 1-1/4" MIN. EMB. (TYP.)

[illegible]

**2 VERTICAL CROSS SECTION**  
**7** Inswing



**3** **VERTICAL CROSS SECTION**  
**7** Inswing shown (Outswing similar)



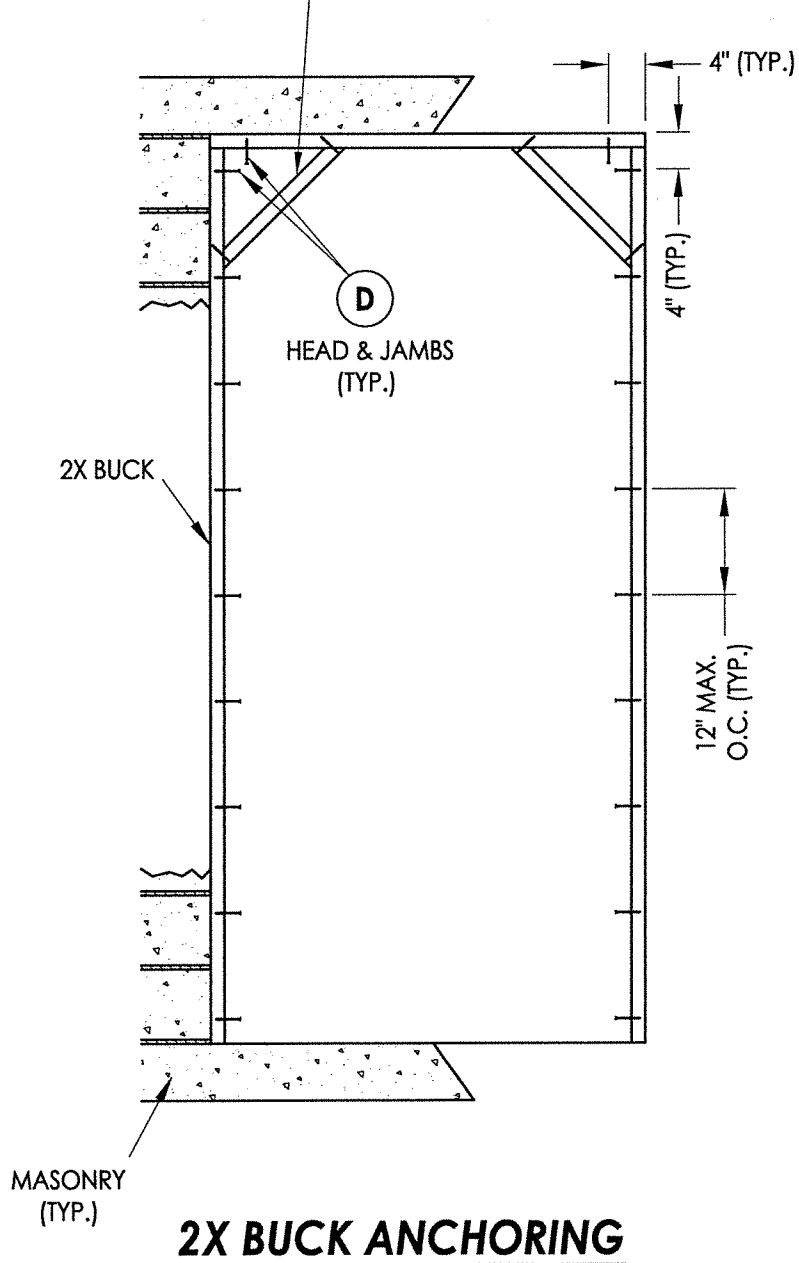
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

**R<sup>2</sup>W** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE C.A. No. 9813

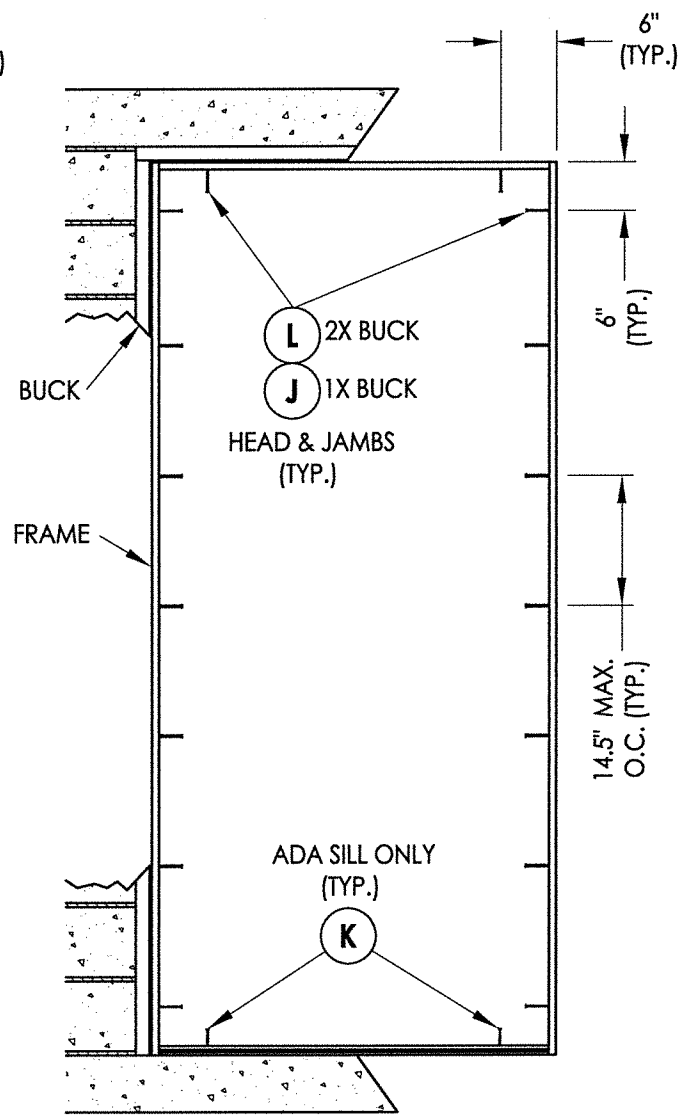
|                         |  |                                                                  |  |
|-------------------------|--|------------------------------------------------------------------|--|
| DATE: 02/14/17          |  | PRODUCT: MILLWORK 360<br>WOOD DOOR                               |  |
| SCALE: N.T.S.           |  |                                                                  |  |
| DWG. BY: JK             |  | PART OR ASSEMBLY:<br><br>VERTICAL CROSS<br>SECTIONS (THRESHOLDS) |  |
| CHK. BY: LFS            |  |                                                                  |  |
| DRAWING NO.: FL-21891.1 |  | NO. DATE BY<br><br>REVISIONS                                     |  |
| SHEET 7 OF 10           |  |                                                                  |  |

R:\Clients\Millwork 360\A - Florida Product Approvals\FL-21891 Wood Doors\C - Drawings\FL-21891 (2014)\FL-21891.1-3.dwg, 8.1

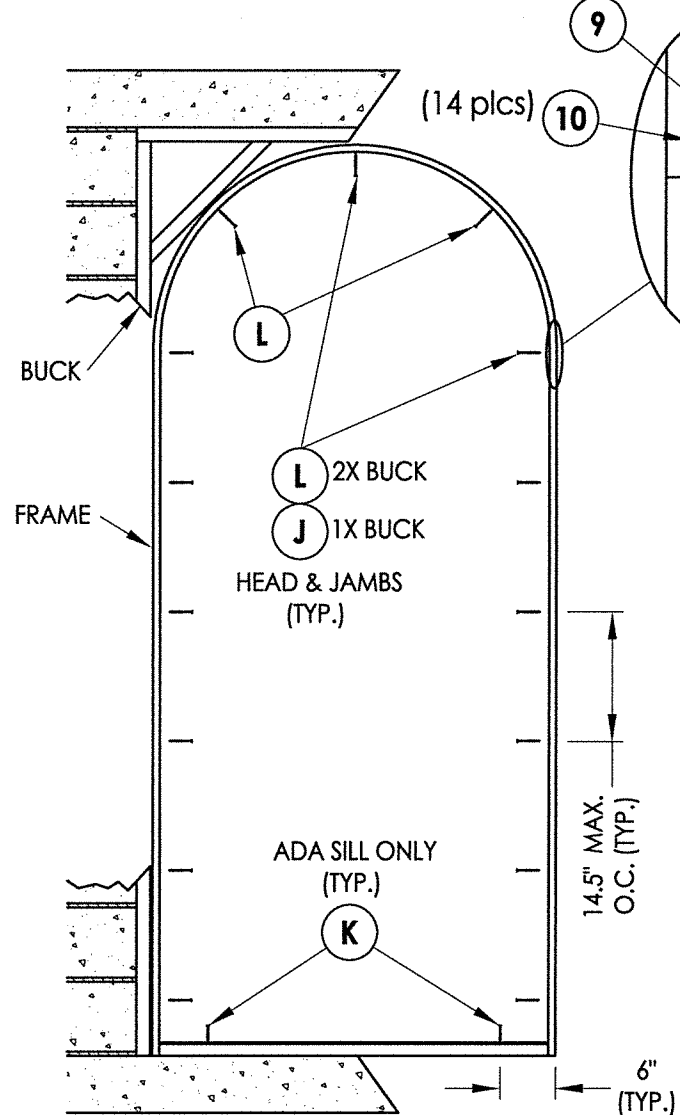
2X FRAMING (No. 2 SYP) ATTACHED  
w/ (2) #10 x 3" WOOD SCREWS @  
EACH END (TYP.)



**2X BUCK ANCHORING**



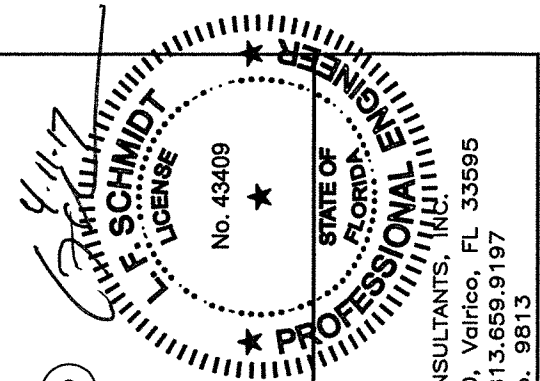
**FRAME ANCHORING**



**FRAME ANCHORING**

NOTE:

1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH DEEP THREAD WOOD SCREWS @ SILL.



Documents Prepared By:  
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P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE C.A. No. 9813

PRODUCT: MILLWORK 360 WOOD DOOR

PART OR ASSEMBLY: BUCK & FRAME ANCHORING

| REVISIONS |      |
|-----------|------|
| NO.       | DATE |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
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|           |      |
|           |      |

DATE: 02/14/17

SCALE: N.T.S.

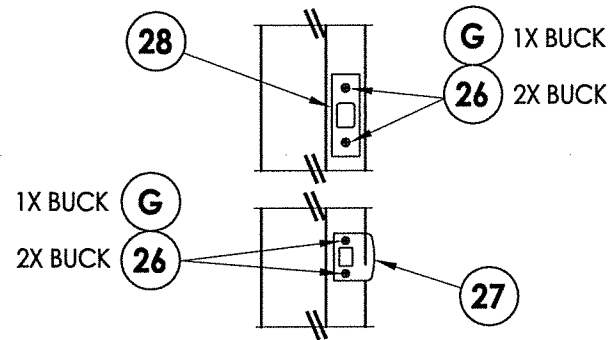
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21891.1

SHEET 8 OF 10





**LATCH & DEADBOLT STRIKE DETAIL**  
**SCHLAGE**

### LATCH & DEADBOLT STRIKE DETAIL

#### KWIKSET

### HINGE DETAIL

### LATCH & DEADBOLT DETAILS

## MORTISE LOCK DETAILS

## HINGE JAMB

**HINGE JAMB**  
(Arch top Door)

R:\Clients\Millwork 360\A - Florida Product Approvals\FL-21891 Wood Doors\C - Drawings\FL-21891 (2014)\FL-21891.1-3.dwg, 10.1

| BILL OF MATERIALS |                                                                                                |           |
|-------------------|------------------------------------------------------------------------------------------------|-----------|
| ITEM #            | DESCRIPTION                                                                                    | MATERIAL  |
| A                 | 1X BUCK (SG >= 0.42)                                                                           | WOOD      |
| B                 | 2X BUCK (SG >= 0.42)                                                                           | WOOD      |
| C                 | 1/4" MAX. SHIM SPACE                                                                           | -         |
| D                 | 1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW                                                   | STEEL     |
| E                 | MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 | CONCRETE  |
| F                 | #12 X 2-1/2" PFH WOOD SCREW                                                                    | STEEL     |
| G                 | 3/16" X 3-1/4" PFH ITW CONCRETE SCREW                                                          | STEEL     |
| J                 | 1/4" X 3-3/4" PFH ELCO OR ITW CONCRETE SCREW                                                   | STEEL     |
| L                 | #10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)                                             | STEEL     |
| K                 | 1/4" X 1-3/4" PFH ELCO OR ITW CONCRETE SCREW                                                   | STEEL     |
| 1                 | JAMB                                                                                           | WOOD      |
| 7                 | WEATHERSTRIP                                                                                   | FOAM      |
| 8                 | SWEEP                                                                                          | VINYL     |
| 9                 | 20 GA. SPLICE PLATE (USP NP37)                                                                 | STEEL     |
| 10                | #6 X 1/2" PPH WOOD SCREW                                                                       | STEEL     |
| 14                | OUTSWING THRESHOLD                                                                             | ALUM/COMP |
| 15                | INSWING THRESHOLD                                                                              | ALUM/COMP |
| 16                | ADA THRESHOLD                                                                                  | ALUM      |
| 22                | #10 X 2" PFH WOOD SCREW                                                                        | STEEL     |
| 24                | #12 x 1" PFH WOOD SCREW                                                                        | STEEL     |
| 25                | #8 x 1-3/4 PFH WOOD SCREW                                                                      | STEEL     |
| 26                | #8 x 2-1/2" PFH WOOD SCREW                                                                     | STEEL     |
| 27                | LATCH STRIKE PLATE                                                                             | STEEL     |
| 28                | DEADBOLT STRIKE PLATE                                                                          | STEEL     |
| 29                | 4.5" X 4.5" HINGE                                                                              | STEEL     |
| 30                | MORTISE STRIKE PLATE                                                                           | STEEL     |
| 32                | DEADBOLT SECURITY STRIKE PLATE                                                                 | STEEL     |
| 40                | DOOR PANEL                                                                                     | -         |

WOOD FRAME COMPONENTS: SIPO (UTILE) (G = 0.53)

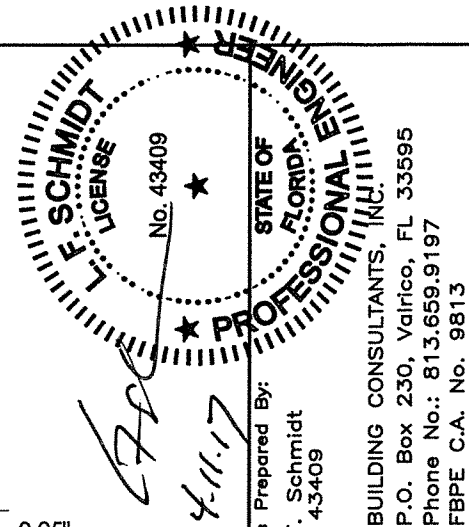
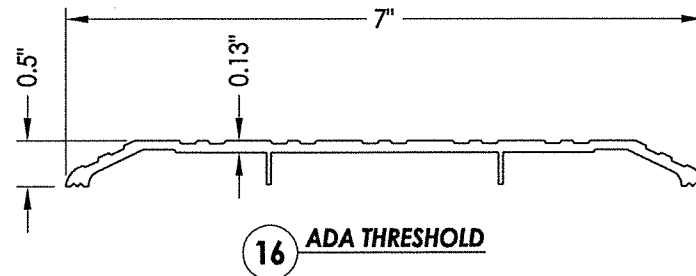
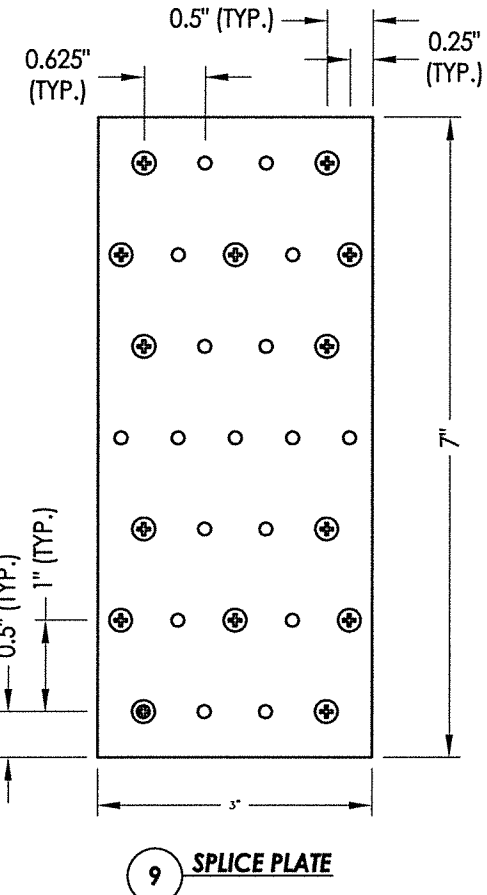
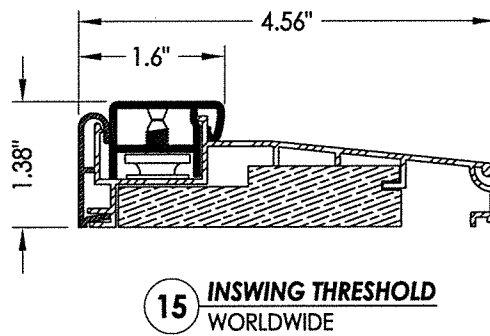
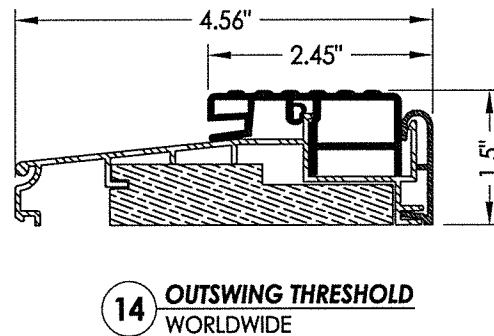
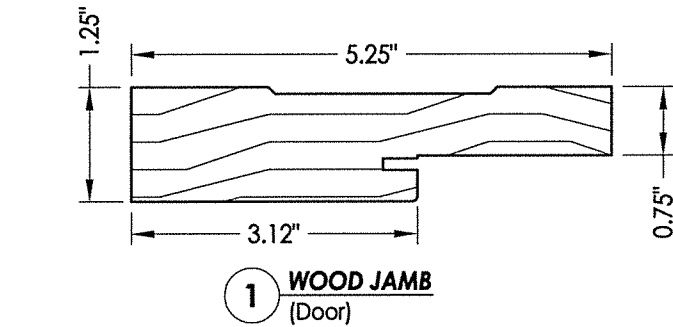
**CONCRETE ANCHOR NOTES:**

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

| ANCHOR TYPE    | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|----------------|-------------|----------------|--------------------------------|-----------------------------------|
| ITW TAPCON®    | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| ELCO ULTRACON® | 1/4"        | 1-1/4"         | 1"                             | 4"                                |
| ITW TAPCON®    | 3/16"       | 1-1/4"         | 3"                             | 1-1/2"                            |

**WOOD SCREW INSTALLATION NOTES:**

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



Documents Prepared By:  
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PRODUCT:  
MILLWORK 360  
WOOD DOOR

PART OR ASSEMBLY:  
BILL OF MATERIALS  
& COMPONENTS

REVISIONS

DATE: 02/14/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:  
FL-21891.1

SHEET 10 OF 10