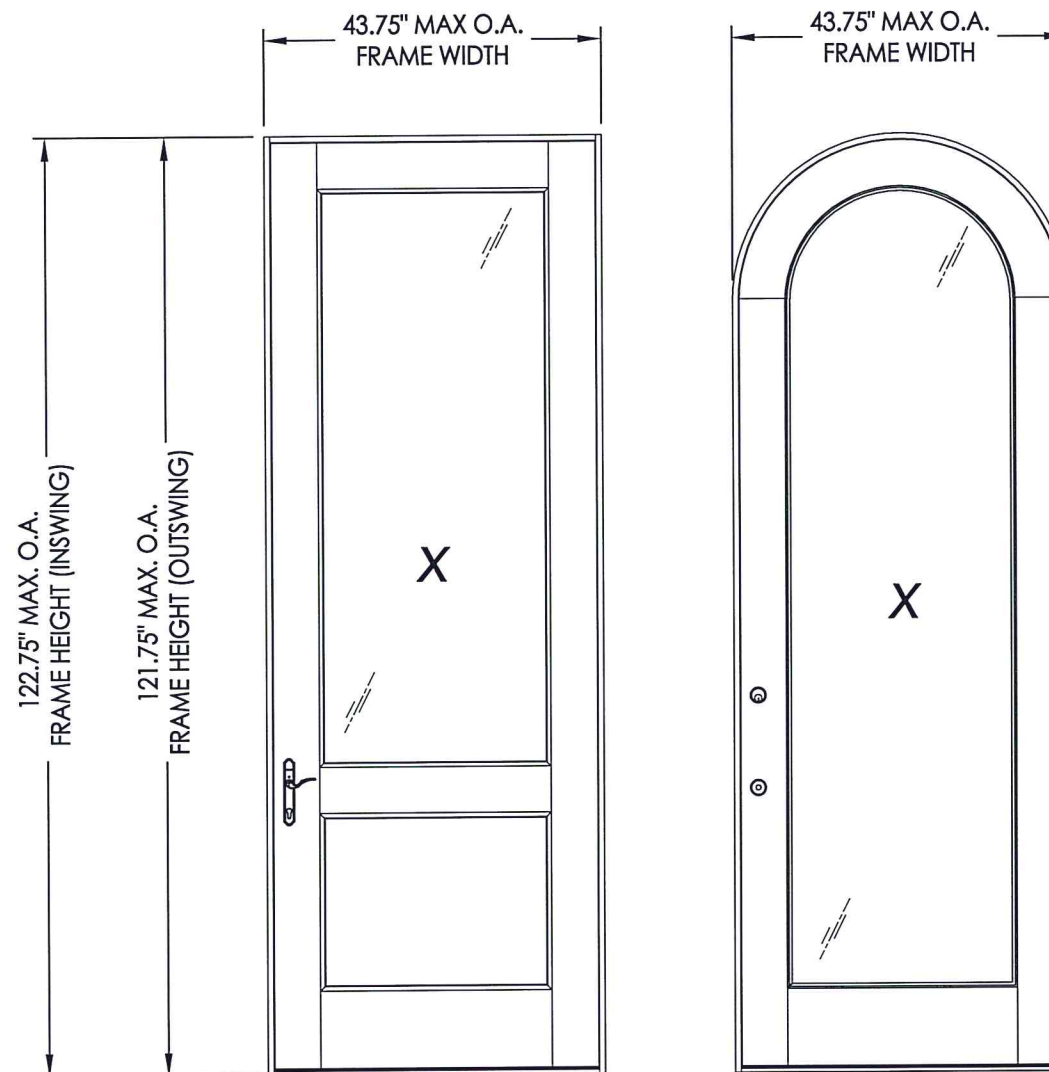


GENERAL NOTES:

1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements including 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 the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
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.
6. Outswing configurations meet water infiltration requirements for "HVHZ".
7. Inswing configurations do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

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



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING (WATER INFILTRATION REQUIRED)		DESIGN PRESSURE (PSF) OUTSWING (WATER INFILTRATION NOT REQUIRED)	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X (Arch Top)	+60.0	-70.0	+60.0	-60.0	+60.0	-60.0
X (Rectangular)	+60.0	-70.0	+60.0	-85.0	+75.0	-85.0

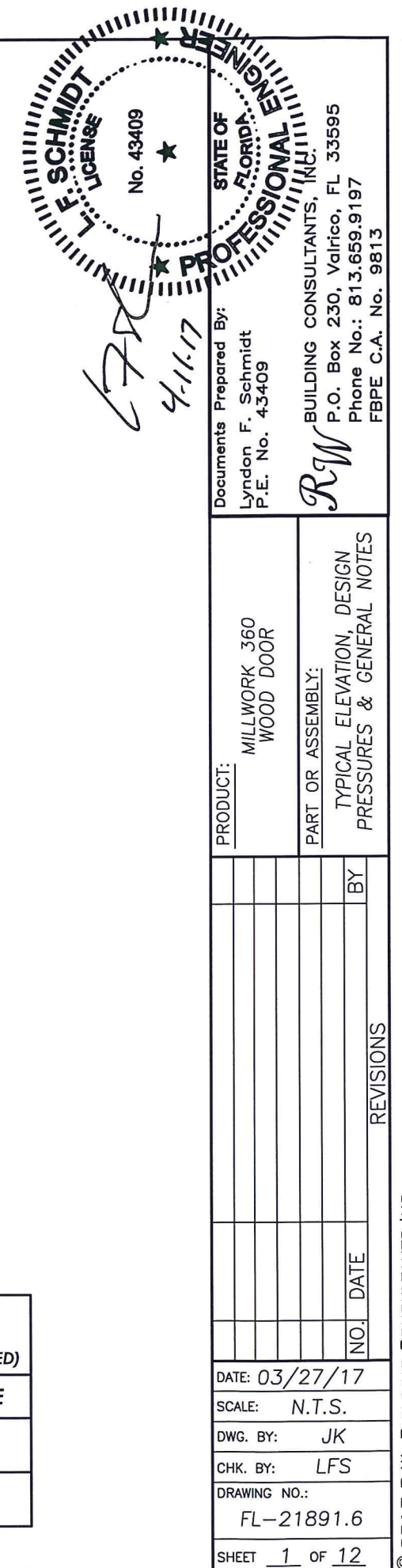


Diagram illustrating the dimensions and components of a full panel/lite:

- 42" MAX. PANEL WIDTH**: Dimension across the top of the panel.
- 102.75" MAX. D.L.O. HEIGHT**: Dimension along the left side of the panel.
- 28.75" MAX. D.L.O. WIDTH**: Dimension across the middle of the panel.
- Callouts:**
 - 1/2**: Callout pointing to the left side of the panel.
 - 2/3**: Callout pointing to the top of the panel.
 - 5/2**: Callout pointing to the bottom of the panel.
- GLAZED OR OPAQUE**: Text indicating the material type.
- X**: Marking on the panel.
- Full Panel/Lite**: Label at the bottom of the diagram.

The technical drawings show two views of the railing components. The top view is a side elevation of the Mid Rail, showing a height of 7.25" and a connection point labeled G1. The bottom view is a side elevation of the Bottom Rail, showing a height of 10.625" and a connection point labeled P1. Both rails are shown with horizontal grain patterns and circular dowel holes. The Bottom Rail is also shown with a width of 2.25".

Mid Rail

7.25"

G1

MID RAIL

P1

Bottom Rail

10.625"

5/8" Ø x 4" DOWELS (TYP.)

2.25"

BOTTOM RAIL

6.625"

TOP RAIL

G2 G1

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6.625"

2.25"

STILE

P1

Diagram illustrating the dimensions and components of a two-panel window unit:

- Overall Dimensions:**
 - 36" MAX. PANEL WIDTH
 - 120" MAX. PANEL HEIGHT
 - 73.75" MAX. D.L.O. HEIGHT (Distance from Ledge to Obstruction)
 - 22.75" MAX. D.L.O. WIDTH (Distance from Ledge to Obstruction)
- Callouts:**
 - 1/3:** Points to the top panel.
 - 2/3:** Points to the bottom panel.
 - 3/3:** Points to the bottom panel.
 - 4/3:** Points to the bottom panel.
- Panel Details:**
 - Top Panel:** Labeled "GLAZED OR OPAQUE" with a circled "G3" and a large "X" indicating a break or cut.
 - Bottom Panel:** Labeled "OPAQUE".
- Hardware:**
 - Top panel features a handle and a lock mechanism.
 - Bottom panel features a handle and a lock mechanism.

Diagram illustrating the dimensions and labels for a full panel/lite:

- 36" MAX. PANEL WIDTH**: Dimension across the top of the panel.
- 102.75" MAX. D.L.O. HEIGHT**: Dimension along the left side of the panel.
- 22.75" MAX. D.L.O. WIDTH**: Dimension across the top of the inner frame.
- Labels and Markings**:
 - 3/3**: Label in a circle at the top center.
 - 1/3**: Label in a circle on the left side.
 - G3**: Label in a circle in the center.
 - GLAZED OR OPAQUE**: Text below the G3 label.
 - X**: Large letter in the center.
 - 5/3**: Label in a circle at the bottom center.
- FULL PANEL/LITE**: Label at the bottom.

The image contains two technical drawings of handrails, labeled G1 and P1, showing their cross-sections and dimensions.

Handrail G1:

- Overall height: 7.25"
- Top section: Labeled G1, showing a cross-section of a handrail with a central slot.
- Mid Rail: A horizontal section of the handrail.
- Bottom section: A cross-section of a handrail with a central slot.

Handrail P1:

- Overall height: 10.625"
- Top section: Labeled P1, showing a cross-section of a handrail with a central slot.
- 5/8" Ø x 4" DOWELS (TYP.): Four circular dowels are shown in the cross-section.
- BOTTOM RAIL: A horizontal section of the handrail.
- Width: 2.25"

L. F. SCHMIDT
LICENSE

No. 43409

STATE OF
FLORIDA

PROFESSIONAL ENGINEER

CONSULTANTS, INC.
Tampa, Valrico, FL 33595
13.659.9197
9813

PRODUCT: MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

[illegible]

SHEET 3 OF 12

Technical drawing of a wooden stile. The drawing shows a cross-section of the wood with a grain pattern. Dimensions are indicated: a length of 6.625" and a height of 2.25". A label "STILE" points to the main body of the wood. A circular callout labeled "P1" points to a small, dark, rectangular component attached to the right side of the stile.

Diagram illustrating the dimensions and components of a 120" MAX. PANEL HEIGHT. The panel is divided into two main sections: a GLAZED OR OPAQUE section (top) and an OPAQUE section (bottom).

Key dimensions and components shown:

- 42" MAX. PANEL WIDTH**: The maximum width of the panel.
- 28.75" MAX. D.L.O. WIDTH**: The maximum width of the D.L.O. (Double Laminated Outer) section.
- 73.75" MAX. D.L.O. HEIGHT**: The maximum height of the D.L.O. section.
- 120" MAX. PANEL HEIGHT**: The total maximum height of the panel.
- GLAZED OR OPAQUE X**: The top section of the panel, which can be either glazed or opaque.
- OPAQUE**: The bottom section of the panel, which is opaque.
- 4 3/4 PANEL/LITE**: The bottom section of the panel, which is 3/4 panel/lite.
- 1 4**, **2 4**, **3 4**, **4 4**: Circled numbers indicating specific components or sections of the panel.

Diagram illustrating the dimensions and components of a full panel/lite:

- 42" MAX. PANEL WIDTH**: Dimension across the top of the panel.
- 102.75" MAX. D.L.O. HEIGHT**: Dimension along the left side of the panel.
- 28.75" MAX. D.L.O. WIDTH**: Dimension across the middle of the panel.
- Labels and Markings**:
 - 1/4**: Marking on the left side.
 - 3/4**: Marking on the top.
 - G2**: Marking in the center.
 - GLAZED OR OPAQUE**: Text below G2.
 - X**: Marking below the text.
 - 5/4**: Marking on the bottom.
- FULL PANEL/LITE**: Label at the bottom.

Technical drawing of a railing assembly showing two views: a side elevation and a cross-section.

Side Elevation View (Top):

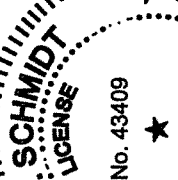
- Overall height: 7.25"
- Components: G1 (Top Rail), MID RAIL, and a post labeled P1.

Cross-Section View (Bottom):

- Overall height: 10.625"
- Overall width: 2.25"
- Components: BOTTOM RAIL, 5/8" Ø x 4" DOWELS (TYP.), and a post labeled P1.

Diagram illustrating the vertical cross section of the top rail assembly. The total height is 6.625". The assembly includes a TOP RAIL, a G2 component, and a G1 component. The bottom rail is shown in cross-section.

3
4 **VERTICAL CROSS SECTION**



Prepared By: L. F. Schmidt
 4-3409

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

[illegible]

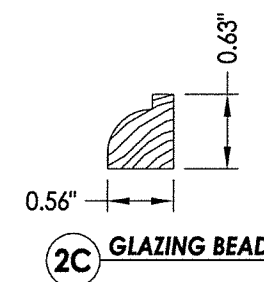
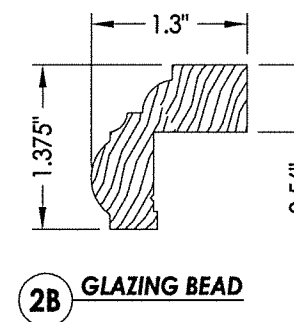
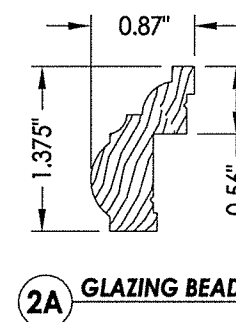
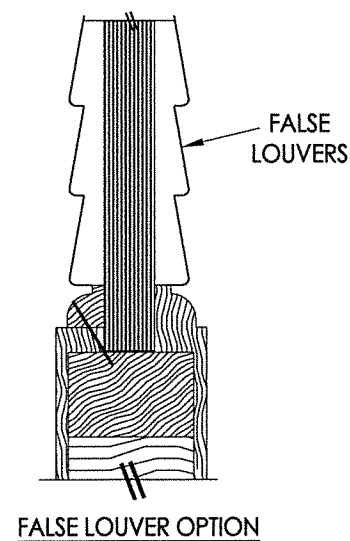
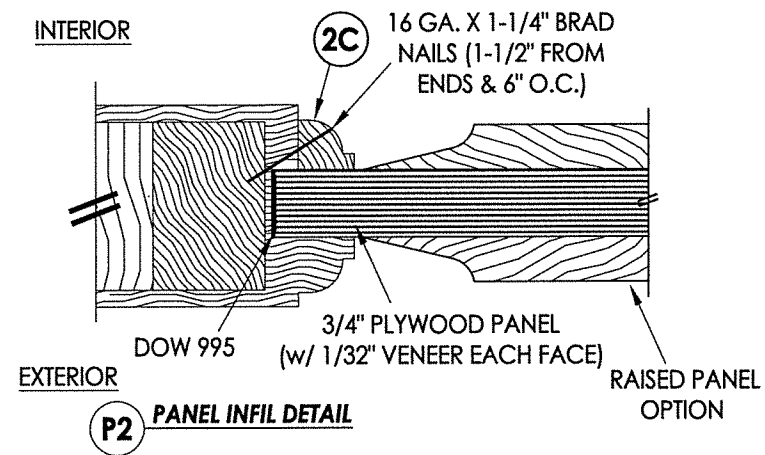
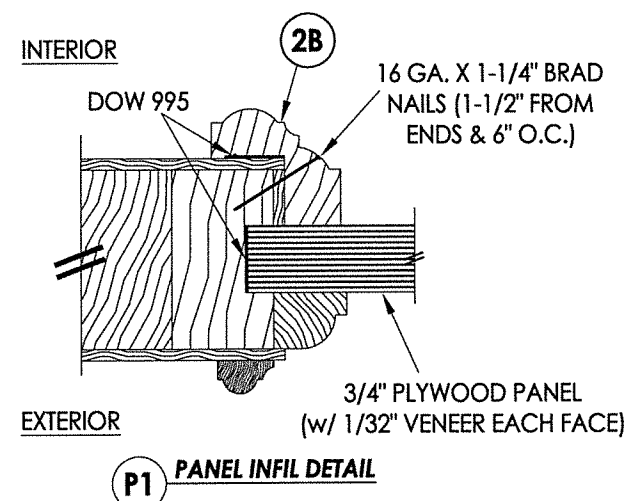
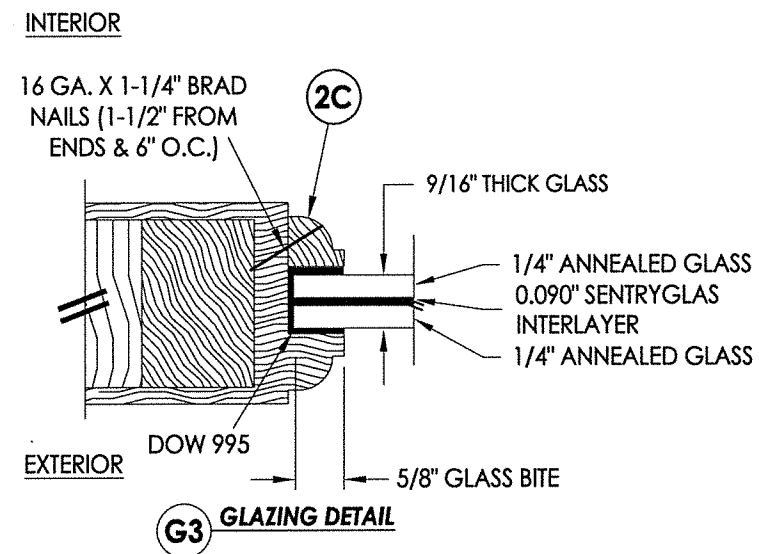
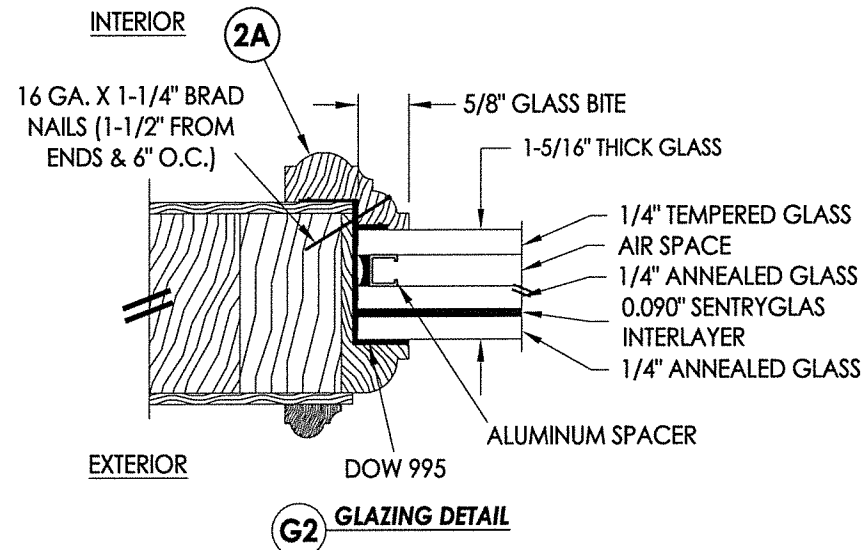
DATE:	3/27/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21891.6
SHEET	4 OF 12

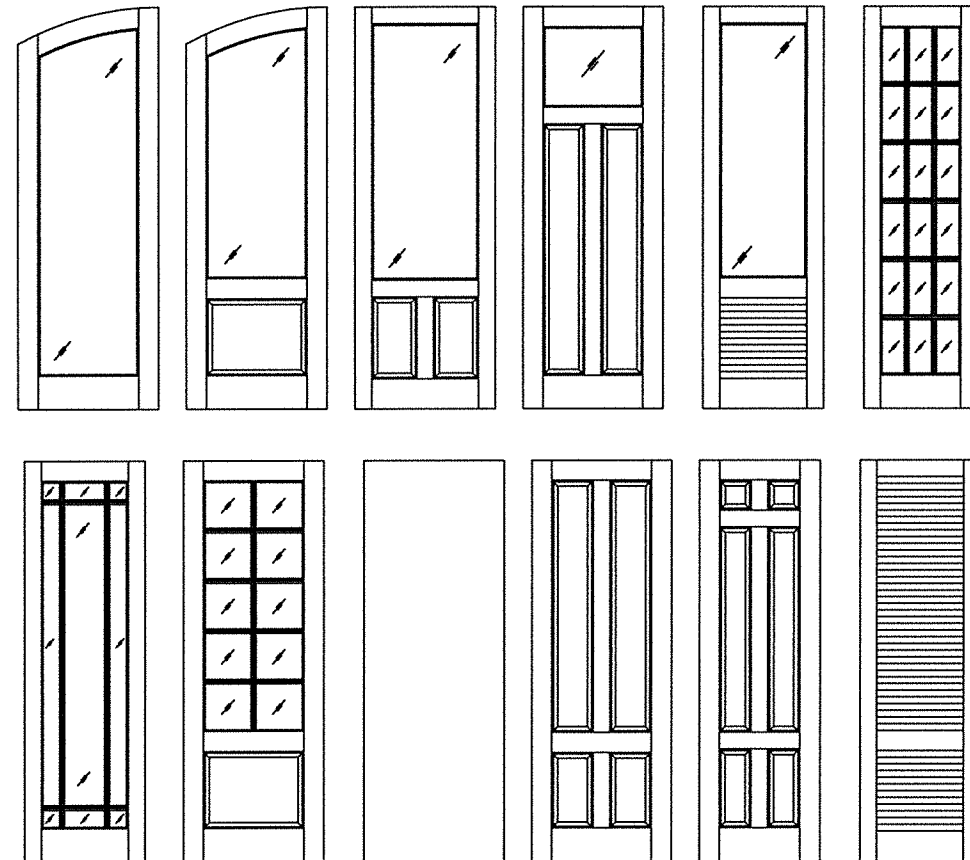
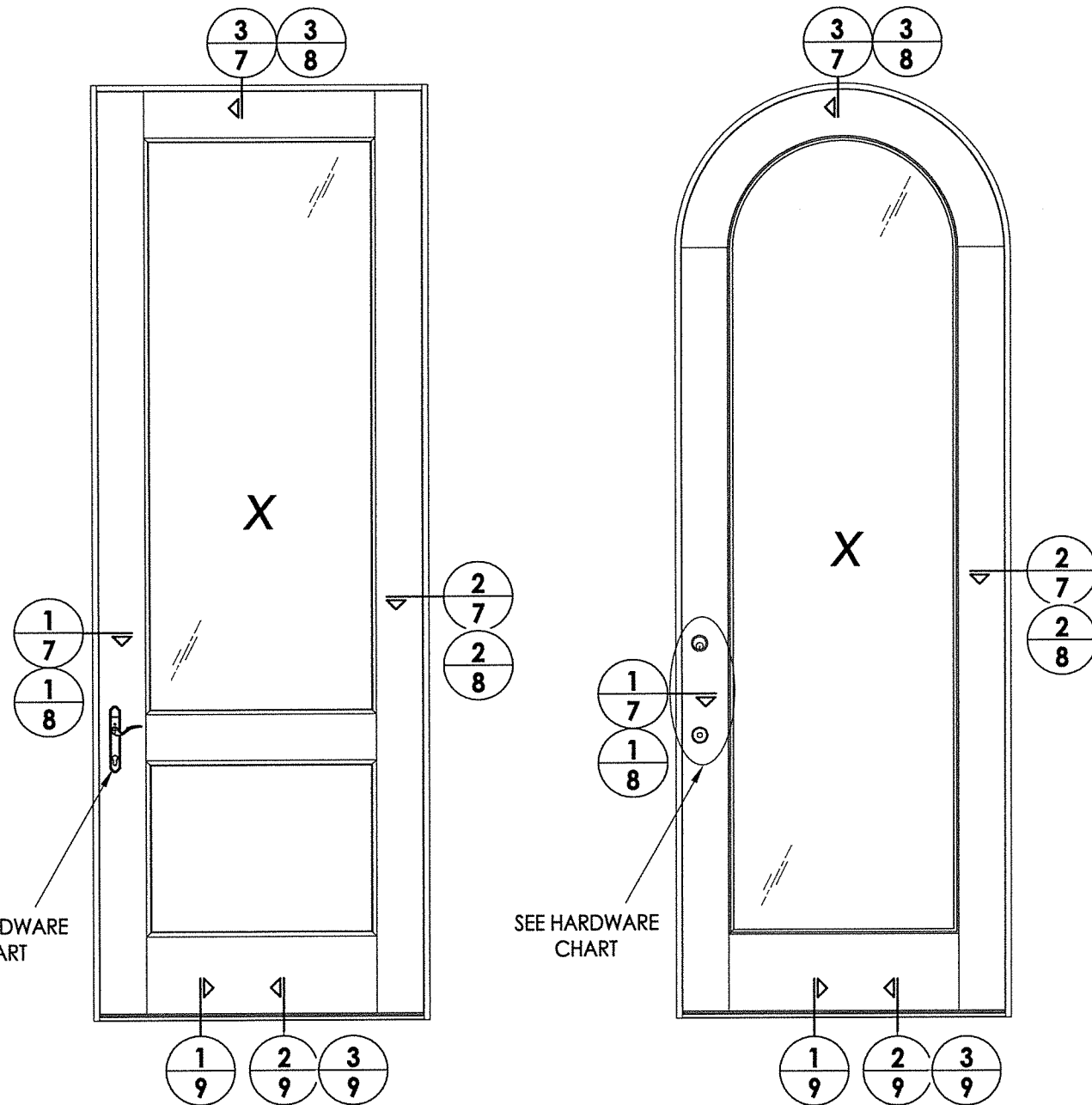
CONAL
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PART OR ASSEMBLY:
GLAZING & PANEL INFIL
DETAILS

DATE:	3/27/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21891.6
SHEET	5 OF 12

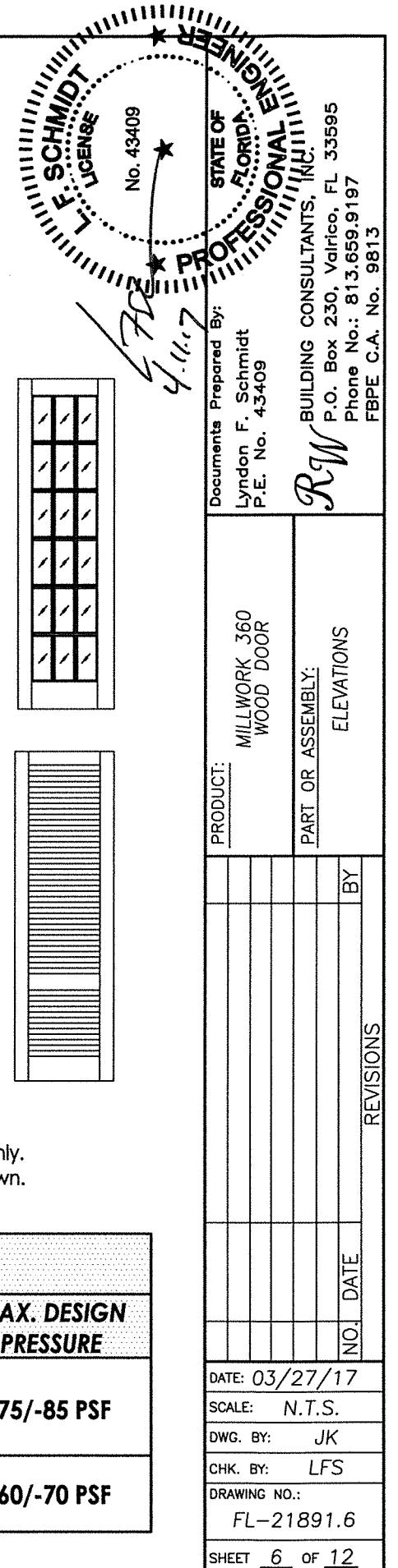
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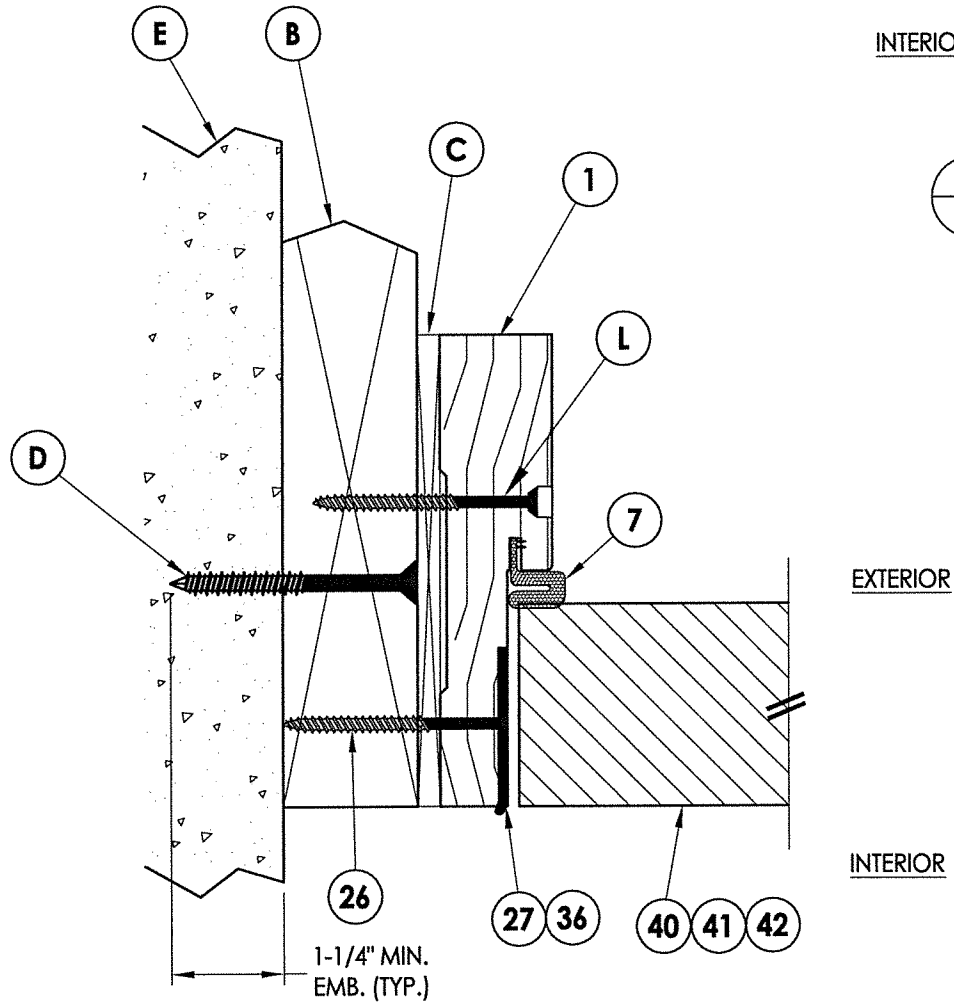




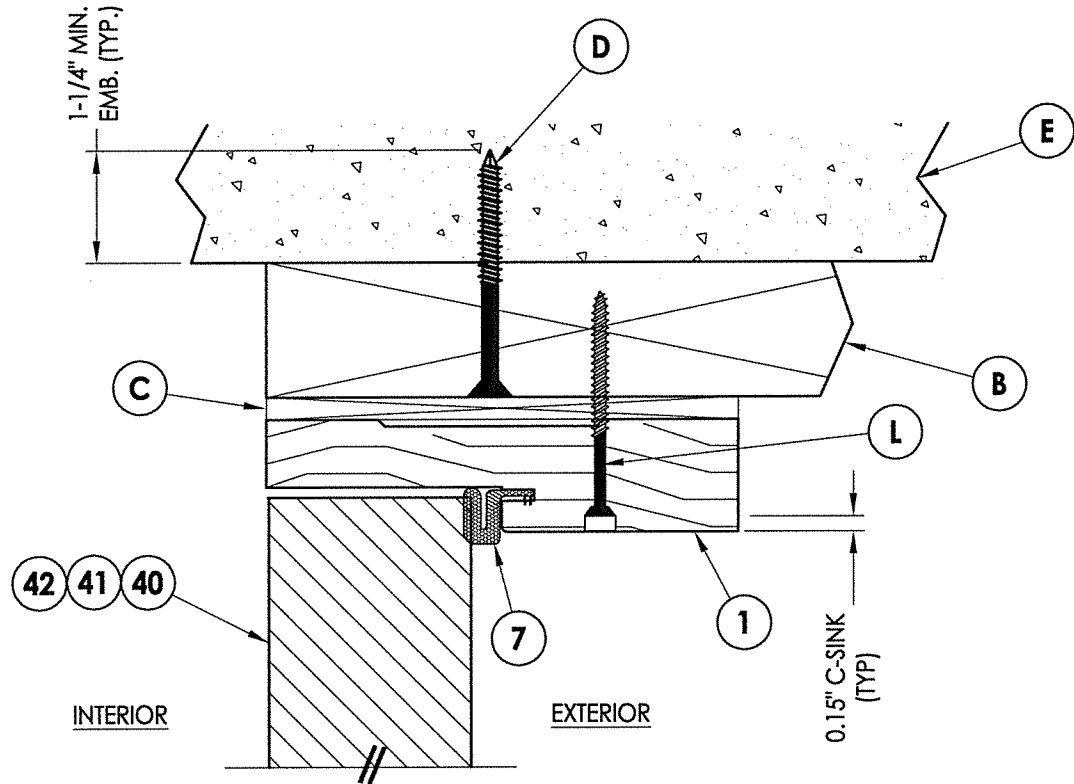
Panel options shown are for illustration and are representative only. Surface applied muntins are used for simulated divided lites shown.

HARDWARE TABLE		
MANUFACTURER	MODEL	MAX. DESIGN PRESSURE
HOPPE	MULTIPOINT HARDWARE: HLS 9000 SERIES MULTIPOINT LOCK ROUNDBOLT/SHOOTBOLT (5-PT.)	+75/-85 PSF
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)	+60/-70 PSF

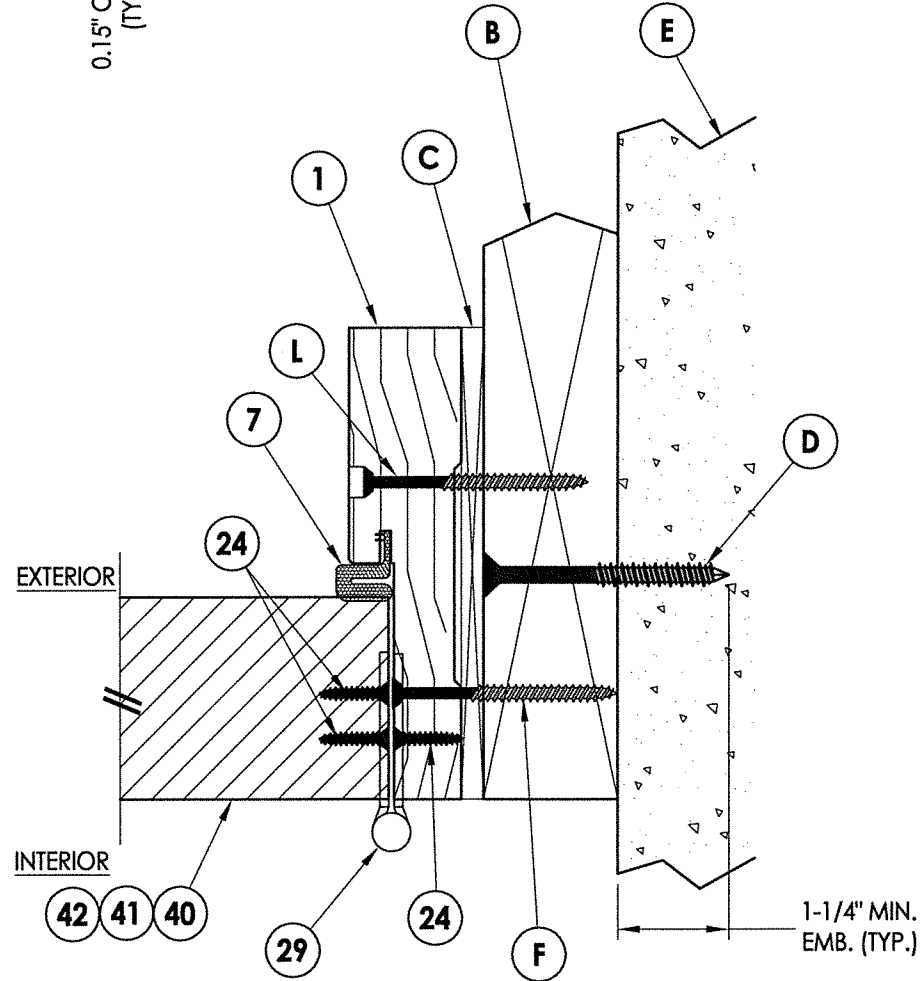




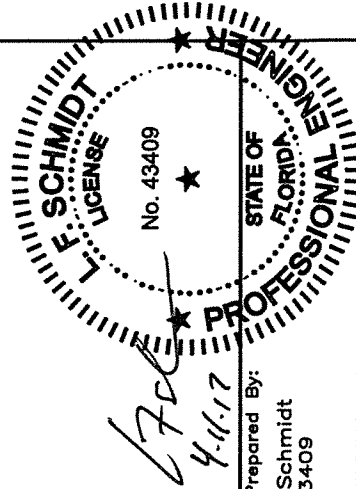
1 HORIZONTAL CROSS SECTION
7 Shown w/ 2X Buck
Inswing shown (Outswing similar)



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



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



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

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)

REVISIONS		NO.	DATE	BY

DATE: 03/27/17

SCALE: N.T.S.

DWG. BY: JK

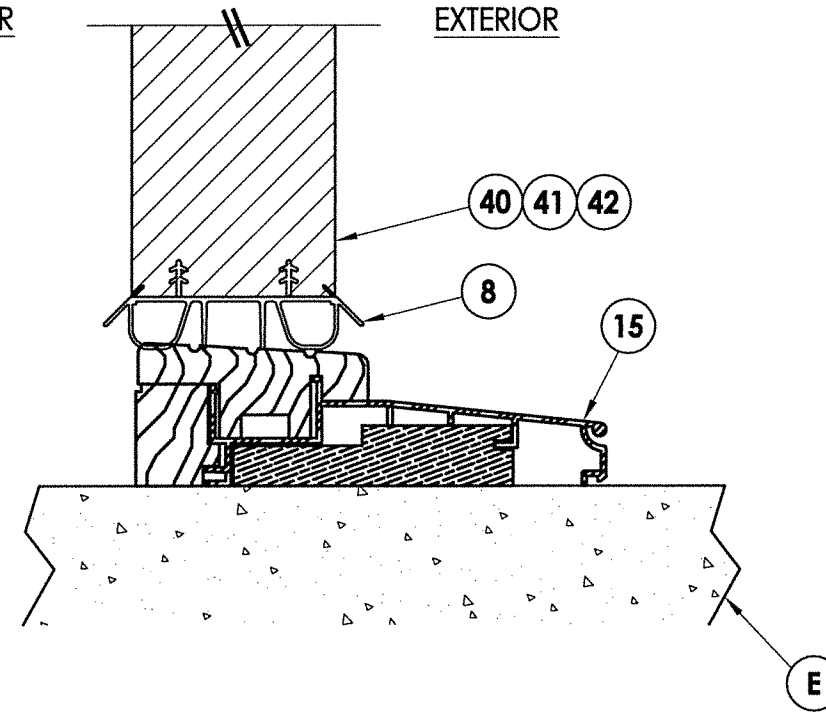
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DRAWING NO.: FL-21891.6

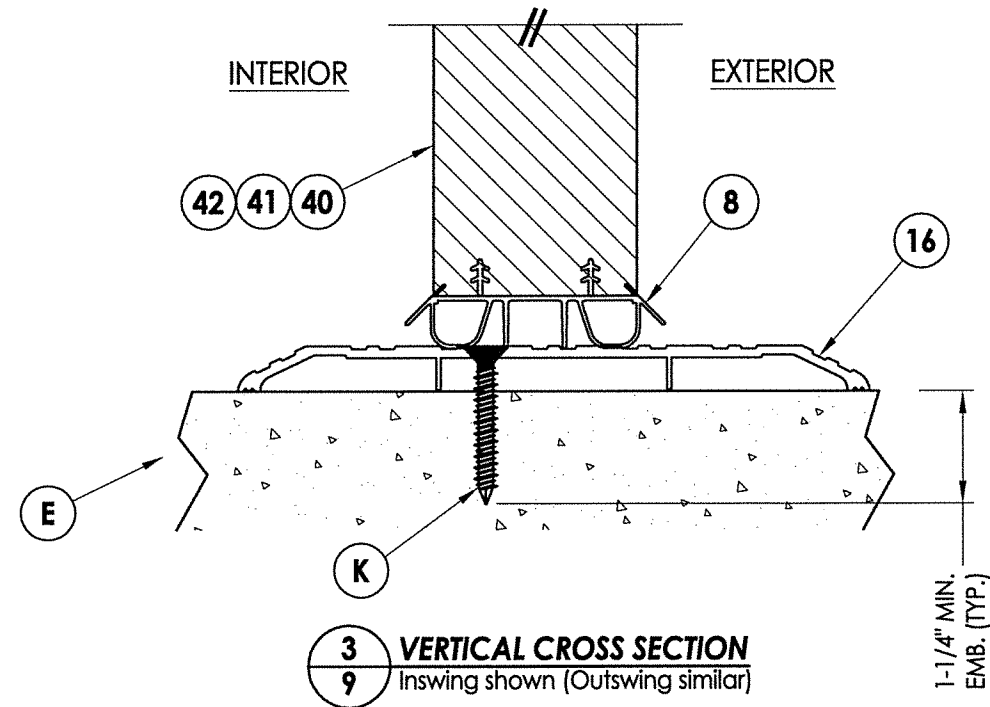
SHEET 7 OF 12

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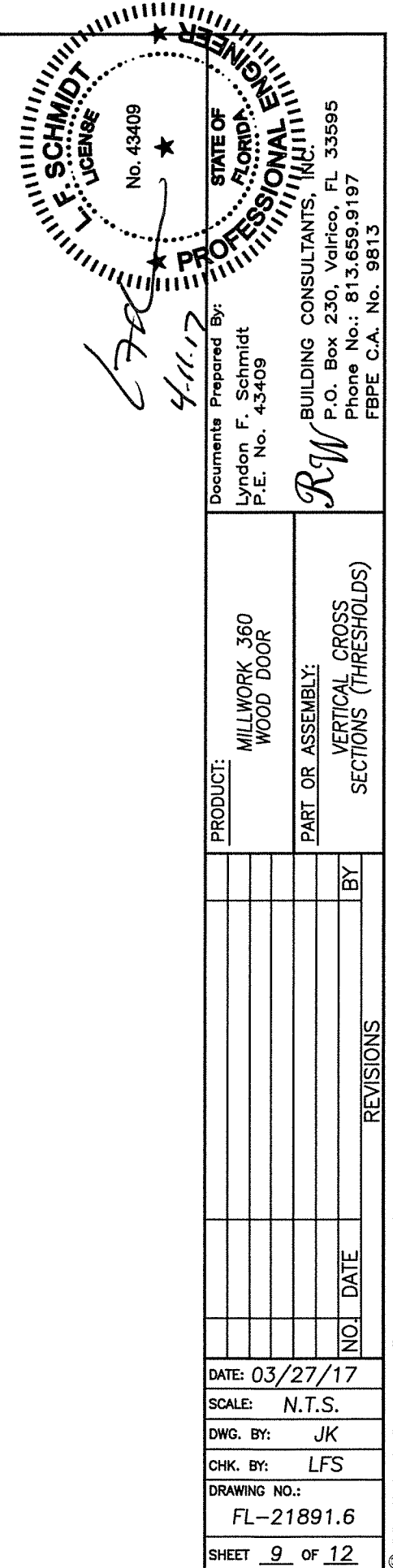
EXTERIOR



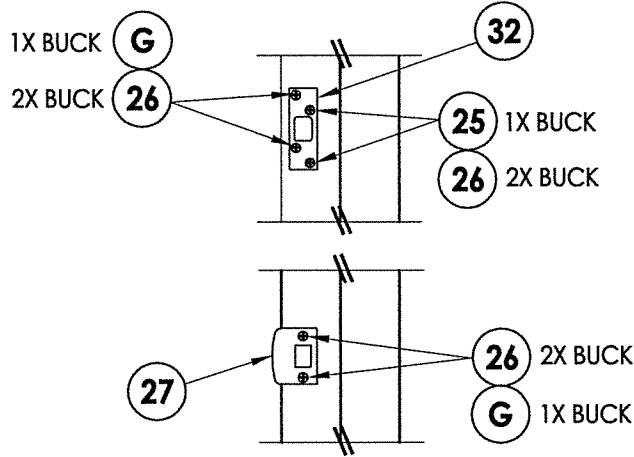
2 **VERTICAL CROSS SECTION**
9 Inswing



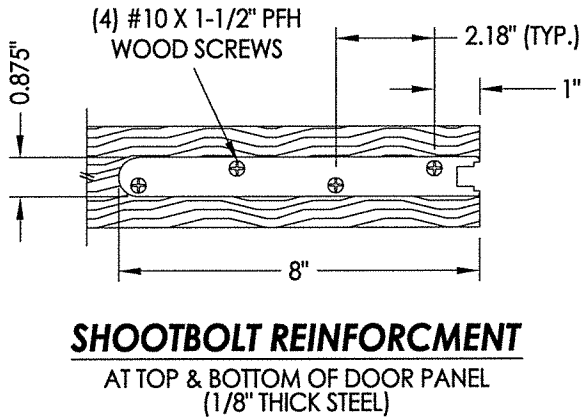
3 VERTICAL CROSS SECTION
9 Inswing shown (Outswing similar)



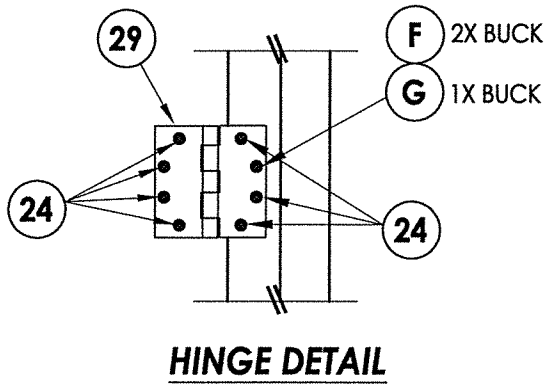
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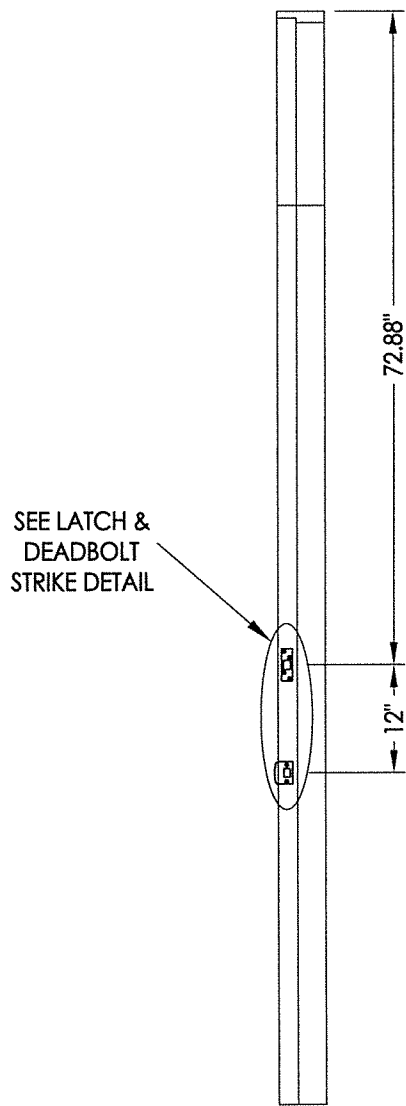
LATCH & DEADBOLT STRIKE DETAIL



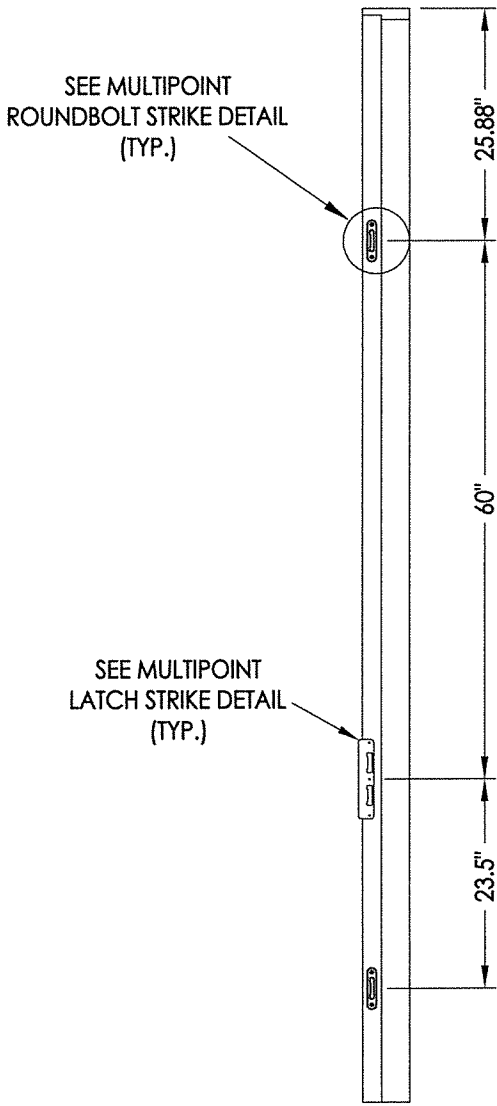
SHOOTBOLT REINFORCMENT
AT TOP & BOTTOM OF DOOR PANEL
(1/8" THICK STEEL)



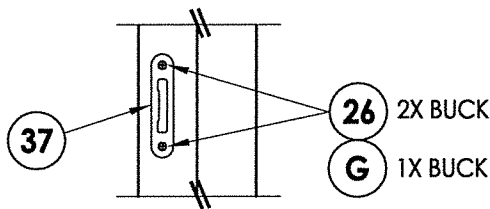
HINGE DETAIL



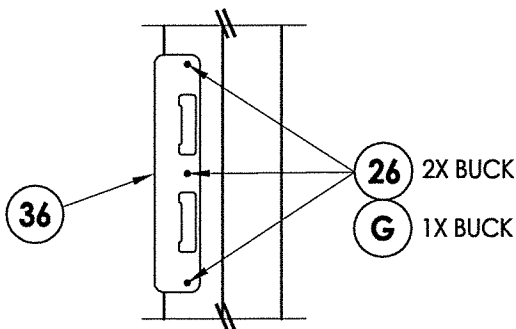
LATCH & DEADBOLT DETAILS



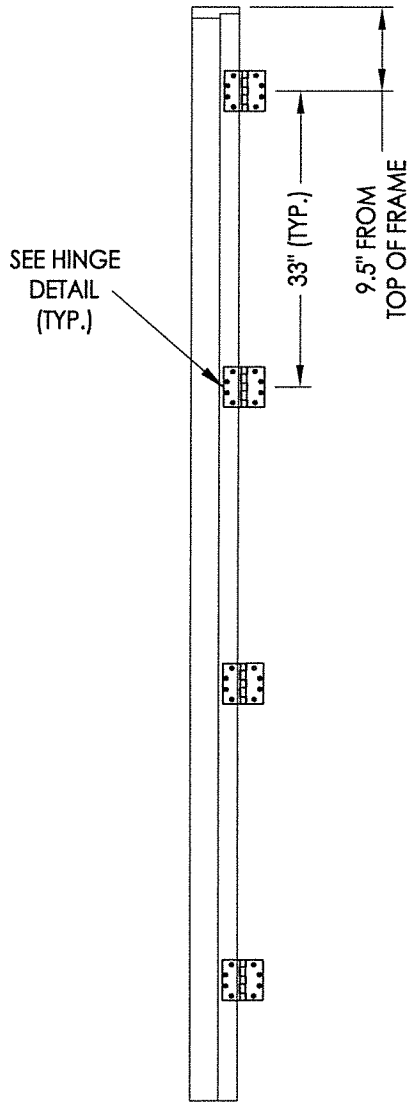
MULTIPOINT LOCK DETAILS



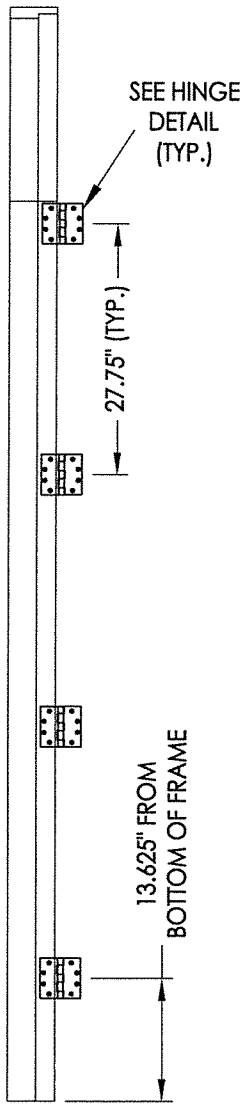
MULTIPOINT ROUNDBOLT STRIKE DETAIL



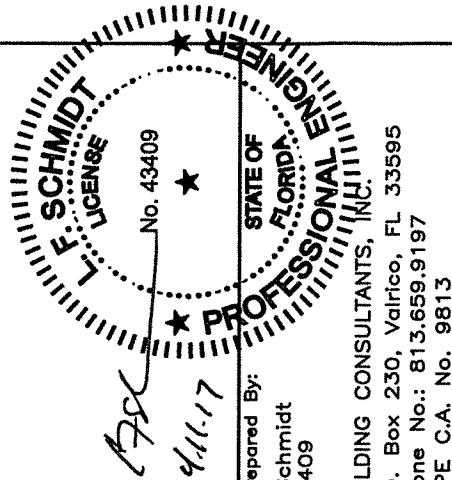
MULTIPOINT STRIKE DETAIL



HINGE JAMB



HINGE JAMB
(Arch Top Door)



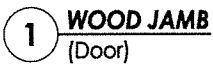
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW 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: HARDWARE DETAILS	
			BY
</			

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
K	1/4" X 1-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
1	JAMB (DOOR)	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
29	4.5" X 4.5" HINGE	STEEL
30	#8 x 3/4" FH SMS	STEEL
31	SHOOTBOLT STRIKE PLATE	STEEL
32	DEADBOLT SECURITY STRIKE PLATE	STEEL
36	MULTIPOINT STRIKE PLATE	STEEL
37	MULTIPOINT ROUND BOLT STRIKE DETAIL	STEEL
40	DOOR PANEL	WOOD
41	DOOR PANEL	WOOD
42	DOOR PANEL	WOOD

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



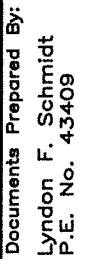
CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. 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:

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



FOR ASSEMBLY:
**BILL OF MATERIALS
& COMPONENTS**

[illegible]

DATE: 03/27/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-21891.6

SHEET 12 OF 12