

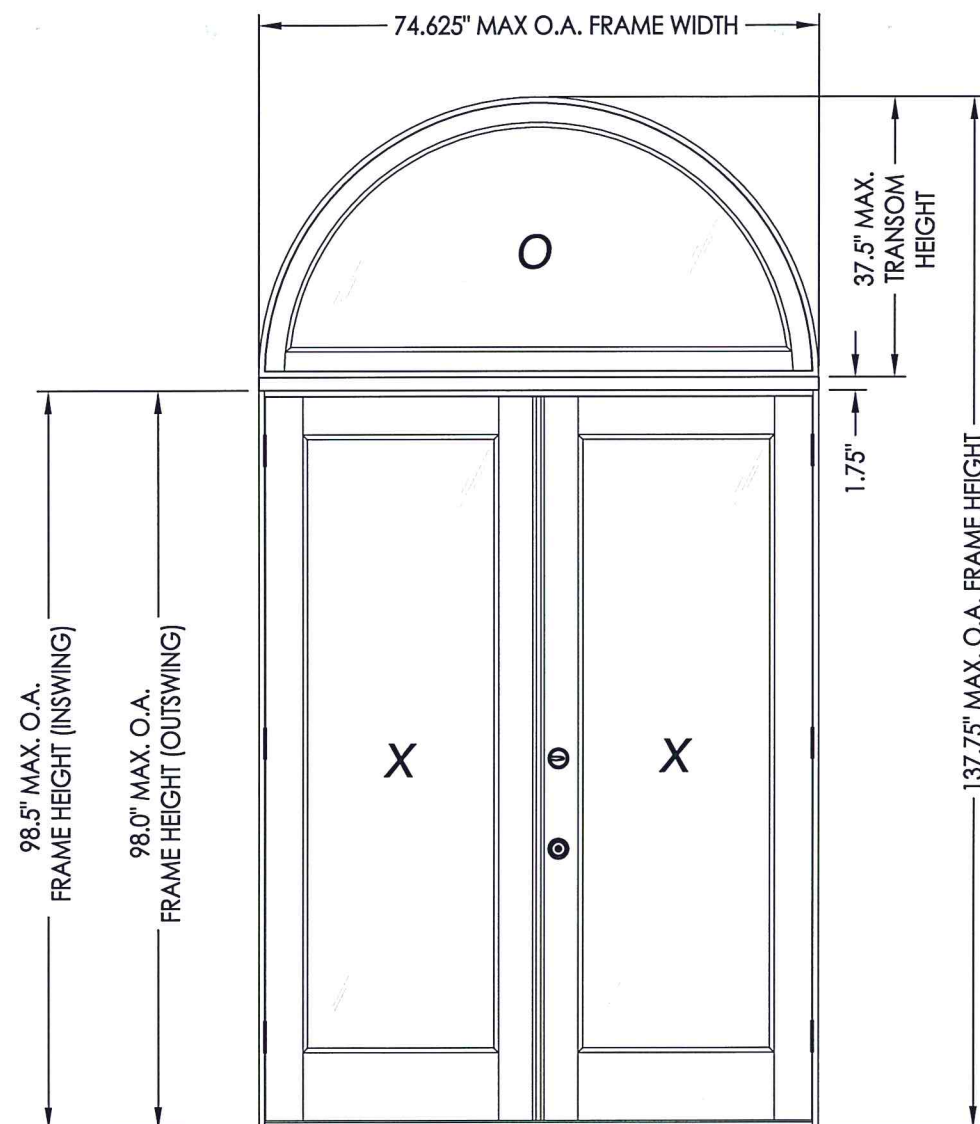
IMPACT 360 SERIES
WOOD GLAZED OR OPAQUE
DOUBLE DOOR
w/ TRANSOM

INSWING/OUTSWING "IMPACT"

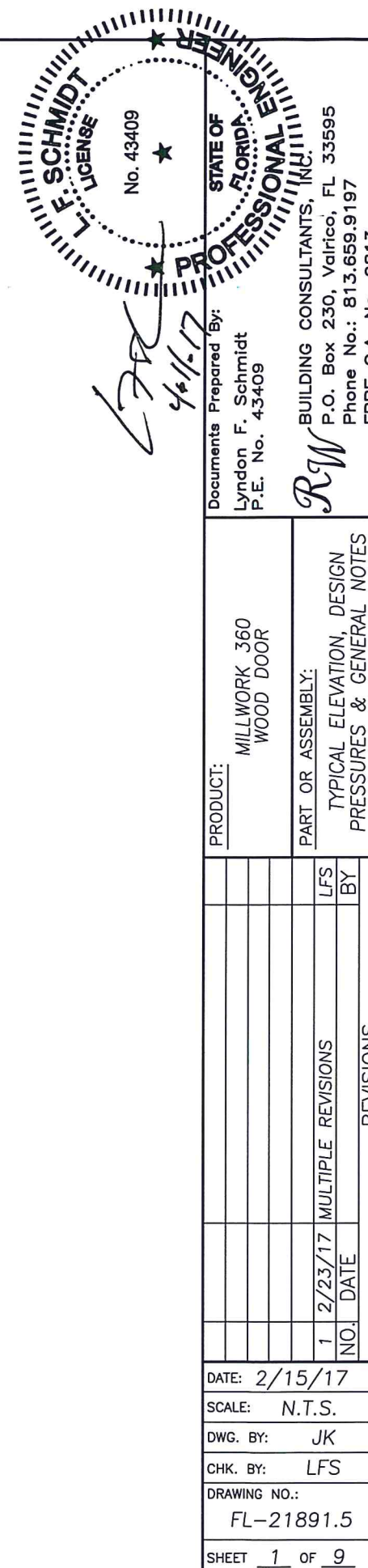
GENERAL NOTES

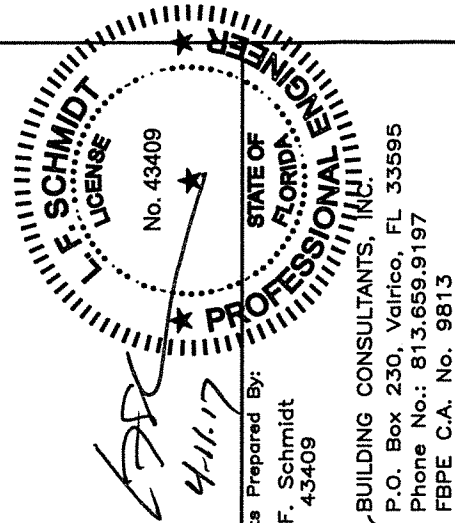
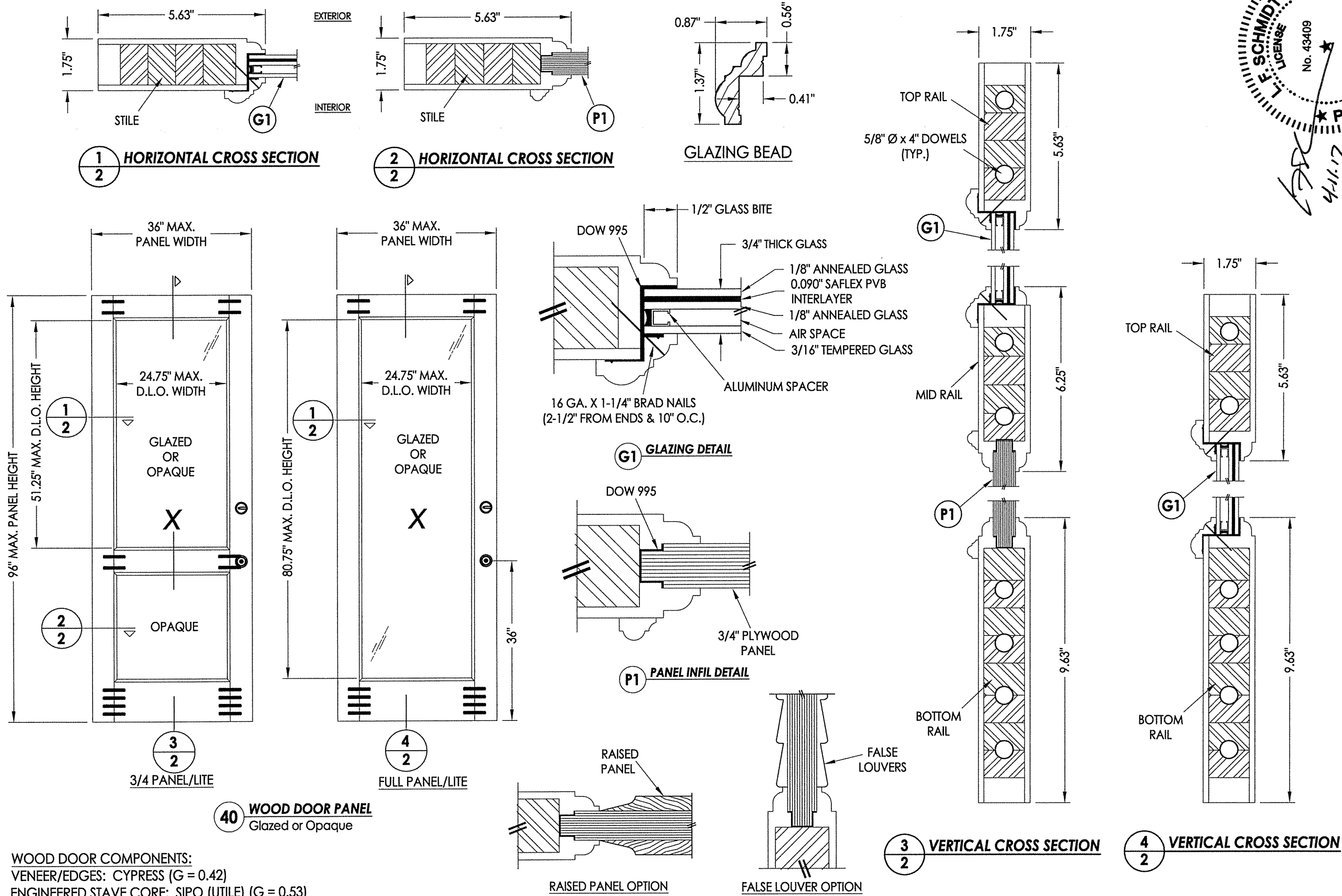
1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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	Transom Panel Details
4	Elevations
5	Horizontal & Vertical Cross Sections (2X Buck)
6	Vertical Cross Sections (Thresholds)
7	Buck & Frame Anchoring
8	Hardware Details
9	Bill of Materials & Components



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
$\frac{O}{XX}$	+50.0	-50.0	+50.0	-50.0



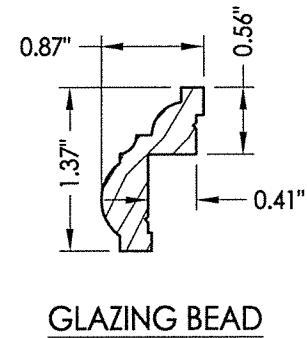
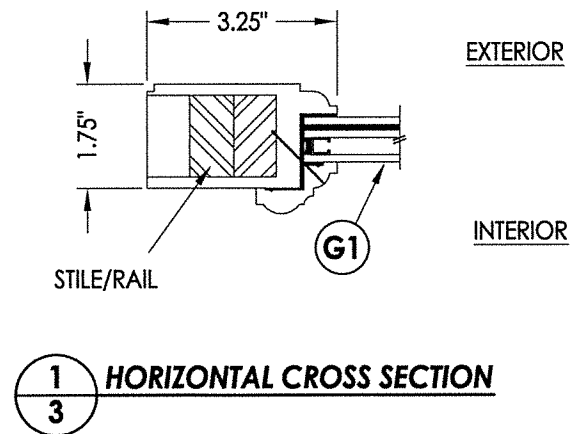


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
RWB BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

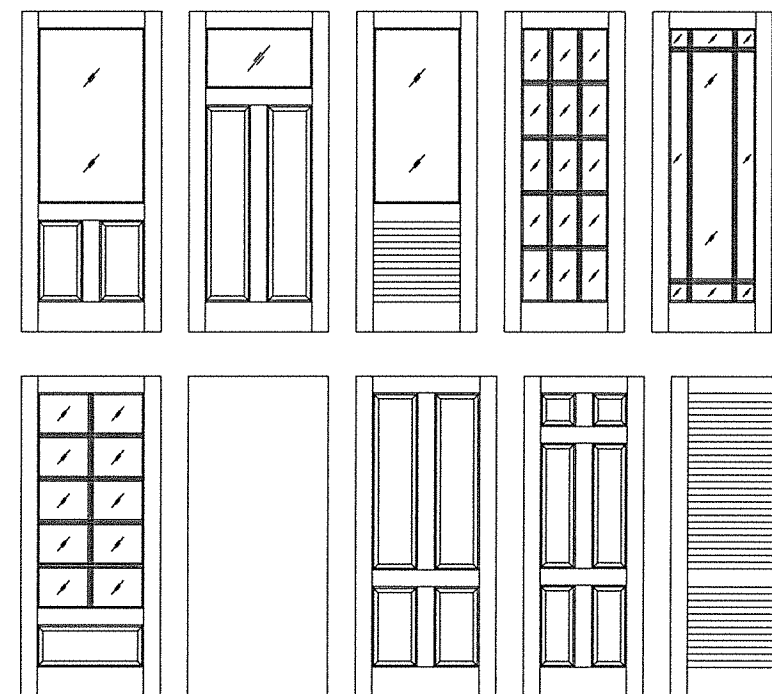
PRODUCT: MILLWORK 360 WOOD DOOR
PART OR ASSEMBLY: DOOR PANEL DETAILS

REVISIONS	
NO.	DATE
1	2/23/17
MULTIPLE REVISIONS	
LFS	BY

DATE: 2/15/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21891.5
SHEET 2 OF 9



		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		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: ELEVATIONS	
REVISIONS		REVISIONS			
DATE: 2/15/17		SCALE: N.T.S.		DWG. BY: JK	
CHK. BY: LFS		DRAWING NO.: FL-21891.5		SHEET 3 OF 9	



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

HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)
HOPPE	HLS9000 MULTIPOINT HARDWARE ACTIVE : TONGUE/SHOOTBOLT INACTIVE: SHOOTBOLT

DATE:	2/15/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21891.5
SHEET	4 OF 9

Handwritten signature
44-17

**F. SCHMIDT
LICENSE**

No. 43409

**STATE OF
FLORIDA**

PROFESSIONAL ENGINEER

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:	ELEVATIONS

[illegible]

1-1/4" MIN.
EMB. (TYP.)

EXTERIOR

INTERIOR

70

INTERIOR

EXTERIOR

2

SEE NOTE 1

22

3

40

7

1

L

Diagram illustrating the window assembly components and their locations:

- 38**: Window frame
- 7**: Weatherstripping seal
- 22**: Drainage channel
- 26**: Drainage channel (interior view)
- 40**: Window frame (interior view)
- 27**: Weatherstripping seal (interior view)

SEE NOTE 1

EXTERIOR

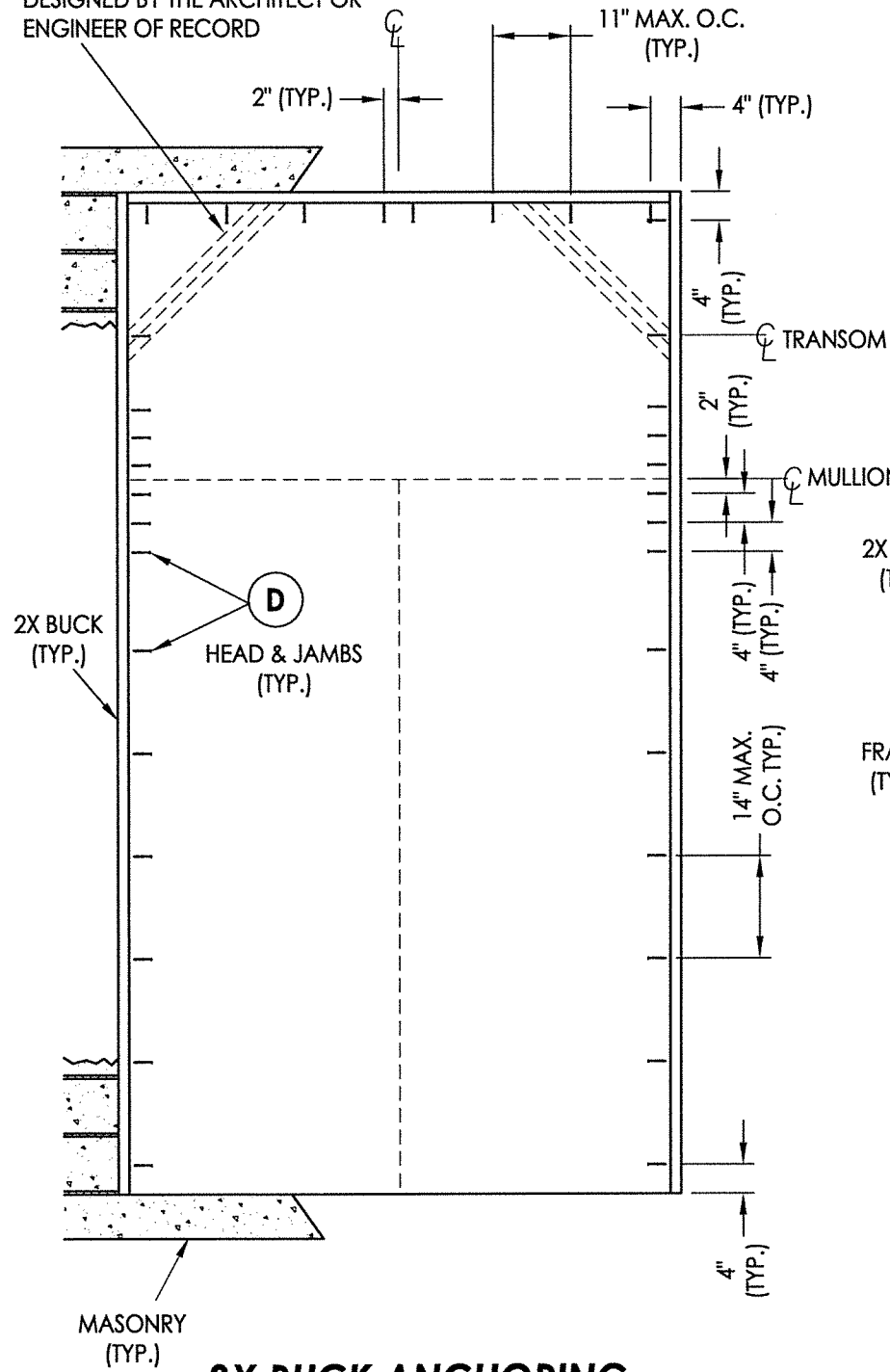
INTERIOR

[illegible]

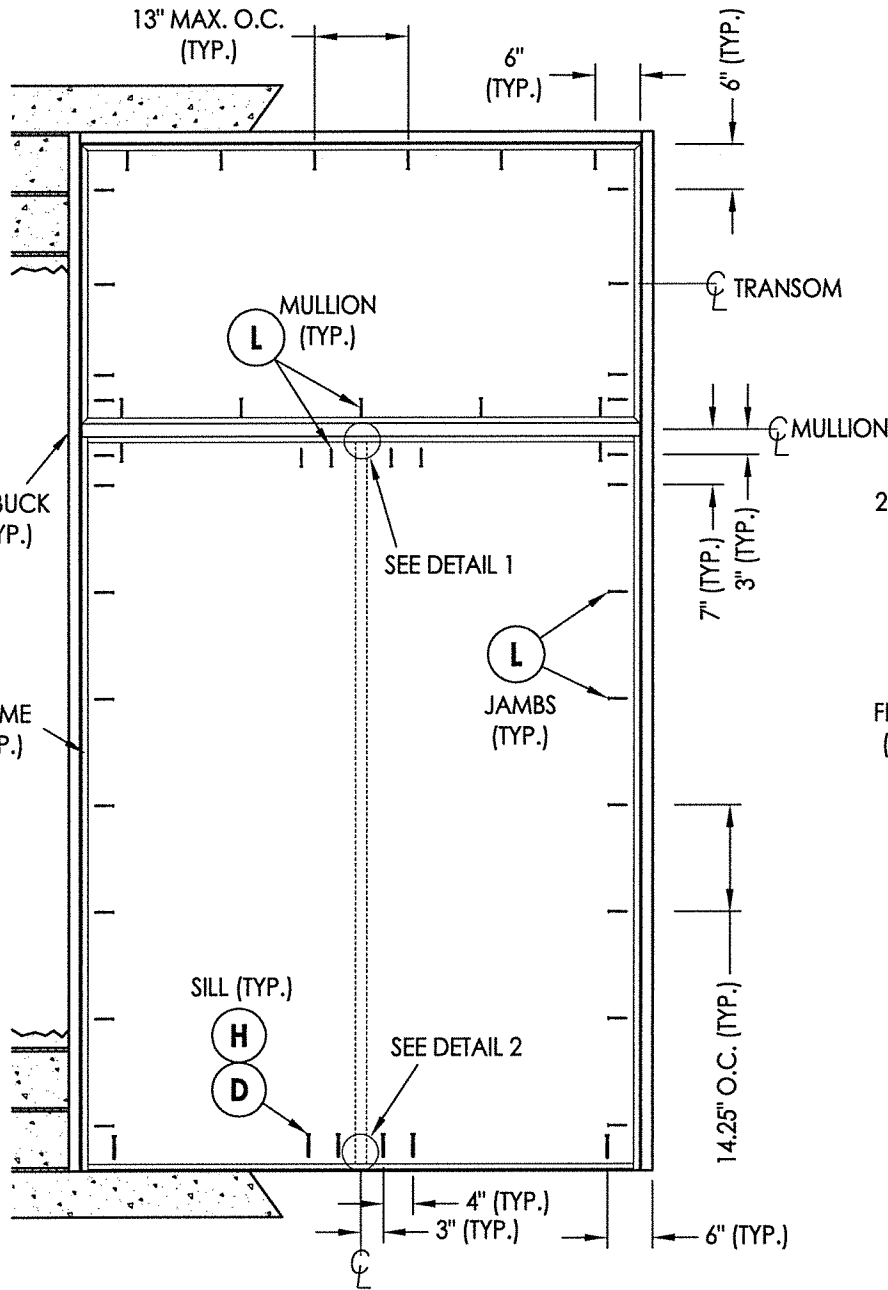
		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE C.A. No. 9813	
		PRODUCT: MILLWORK 360 WOOD DOOR			
		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLD)			
				LFS	
				BY	
				REVISIONS	
1	2/23/17	MULTIPLE REVISIONS			
NO.	DATE				
DATE: 2/15/17					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-21894.5					
SHEET 6 OF 9					

R:\Clients\Millwork 360\A - Florida Product Approvals\FL-21891 Wood Doors\C - Drawings\FL-21891 (2014)\FL-21891.4-5.dwg, 7.3

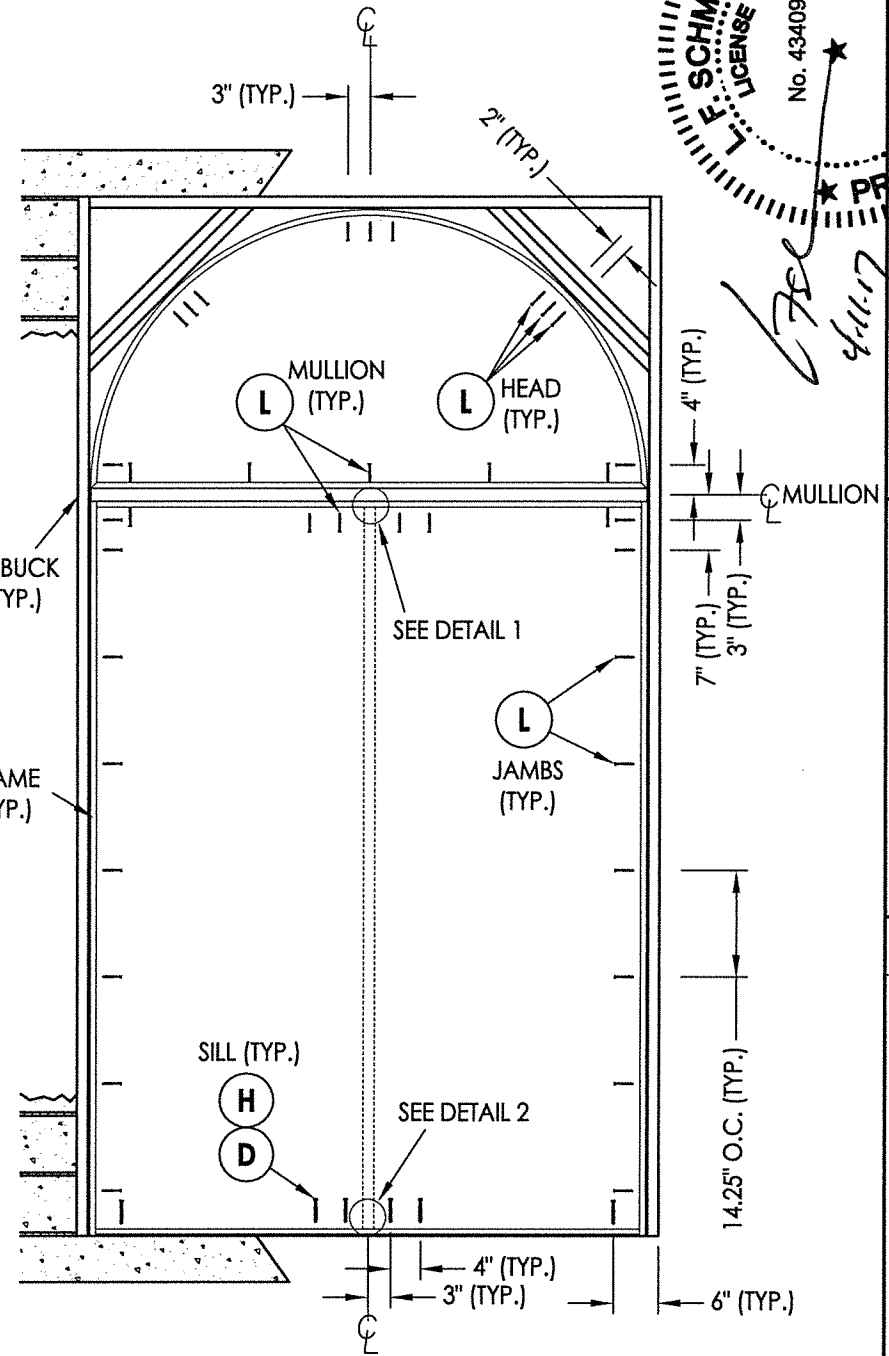
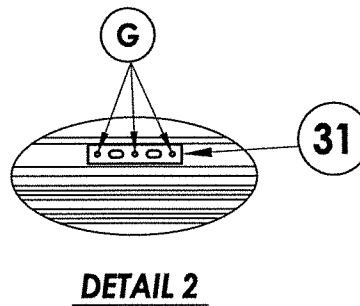
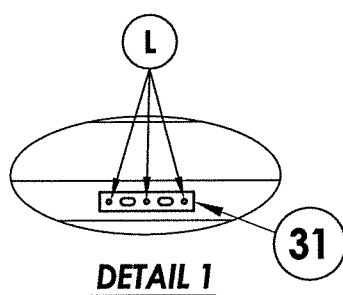
FRAMING AND CONNECTIONS TO BE
DESIGNED BY THE ARCHITECT OR
ENGINEER OF RECORD



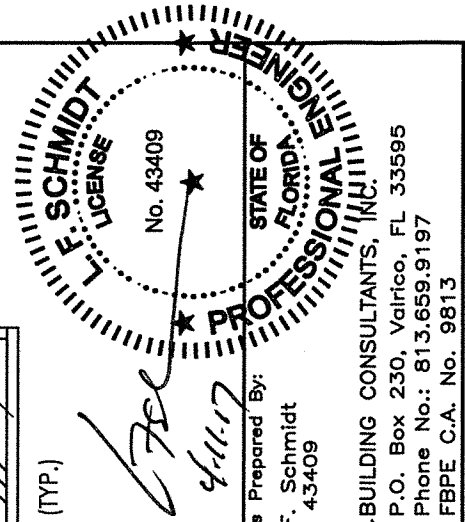
2X BUCK ANCHORING



FRAME ANCHORING



FRAME ANCHORING



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

PRODUCT:
MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:
BUCK & FRAME NCHORING

NO.	DATE	REVISIONS	BY
1	2/23/17	MULTIPLE REVISIONS	LFS

DATE: 2/15/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21891.5
SHEET 7 OF 9

SEE LATCH & DEADBOLT STRIKE PLATE DETAIL

NOTE: FOR 6'-8" DOOR
USE 5-1/2" O.C.
CENTERLINE

ASTRAGAL

FLIP BOLT

12"

12"

36"

12"

This technical drawing illustrates the edge profile of a door, detailing the vertical arrangement of hardware. From top to bottom, the components are: a top strike plate (12" from the top edge), a latch and deadbolt strike plate (12" from the top strike plate), an astragal (36" from the latch strike plate), and a flip bolt (12" from the astragal). A note specifies that for a 6'-8" door, the centerline of the latch and deadbolt strike plate should be 5-1/2" from the centerline of the door. A dimension line on the right indicates a total height of 36" for the central section.

Diagram illustrating the elevation view of a door assembly, showing the astragal, multipoint strike plate, and tongue strike detail. The dimensions are as follows:

- Overall height: 61"
- Distance from top to multipoint strike plate: 18"
- Distance from multipoint strike plate to astragal: 12"

Labels and callouts:

- SEE TONGUE STRIKE DETAIL (pointing to the top strike detail)
- SEE MULTIPOINT STRIKE PLATE DETAIL (pointing to the middle strike plate)
- ASTRAGAL (pointing to the bottom strike detail)

Diagram showing the elevation view of the door frame with hinge locations and dimensions:

- Top hinge location: 8.125" FROM TOP OF FRAME
- Distance between top and middle hinges: 38.75"
- Distance between middle and bottom hinges: 38.75"
- Label: SEE HINGE DETAIL (TYP.) with an arrow pointing to the middle hinge.

		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		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	
REVISIONS		MULTIPLE REVISIONS			
DATE: 02/15/17		NO. 1		DATE 2/23/17	
SCALE: N.T.S.		DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-21891.5		SHEET 8 OF 9		REVISIONS	

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 (Door)	WOOD
2	JAMB (Transom)	WOOD
3	MULLION	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
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
26	#8 x 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT SECURITY STRIKE PLATE	STEEL
29	4.5" X 4.5" HINGE	STEEL
31	MULTIPOINT LOCK SHOOTBOLT STRIKE PLATE	STEEL
36	MULTIPOINT LOCK STRIKE PLATE	STEEL
37	MULTIPOINT LOCK TONGUE STRIKE PLATE	STEEL
38	ASTRAGAL	WOOD
40	DOOR PANEL	-
70	TRANSOM PANEL	-

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

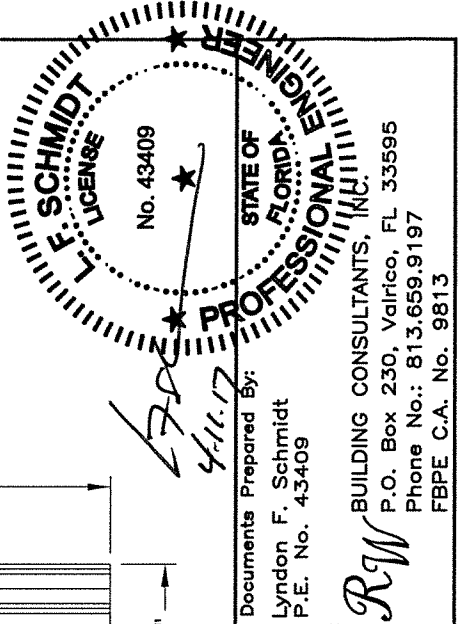
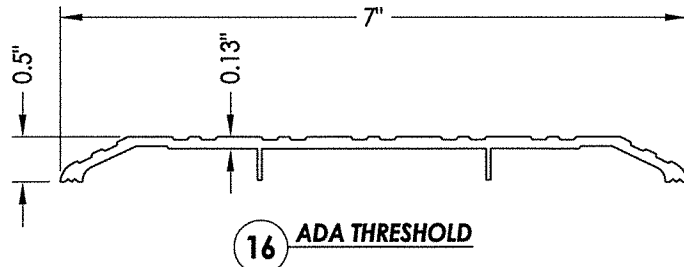
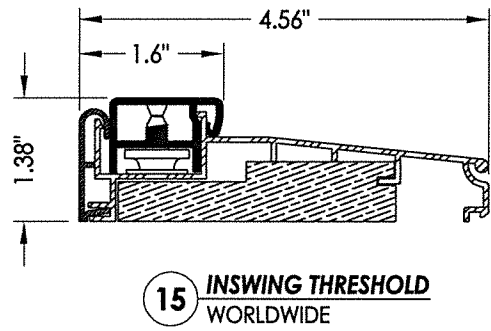
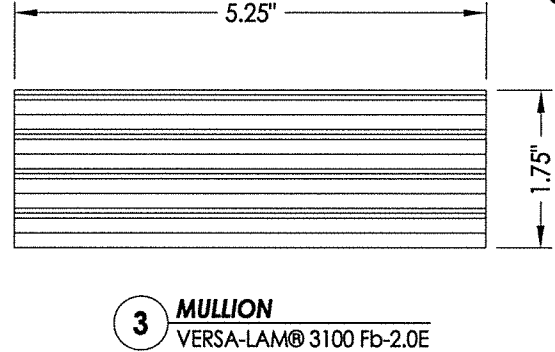
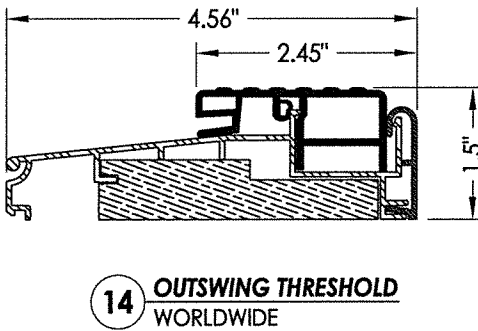
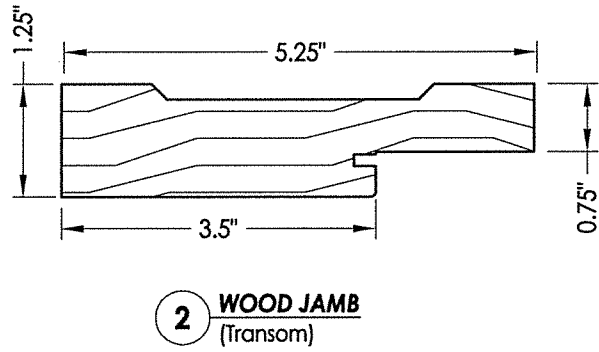
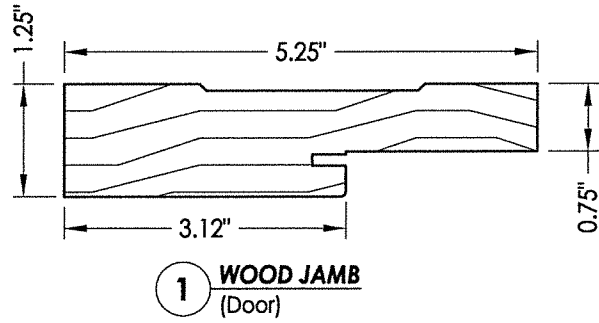
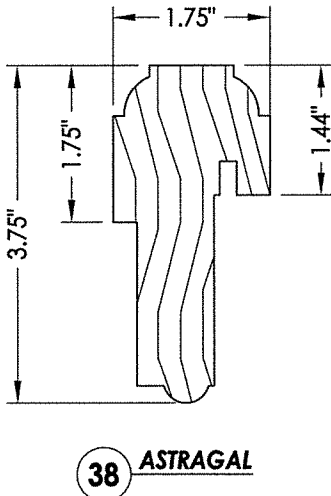
CONCRETE ANCHOR NOTES:

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 ULTRAACON®	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.

[illegible]