



# "Gulf Armor"

## WOOD GLAZED OR OPAQUE DOUBLE DOOR w/ TRANSOM

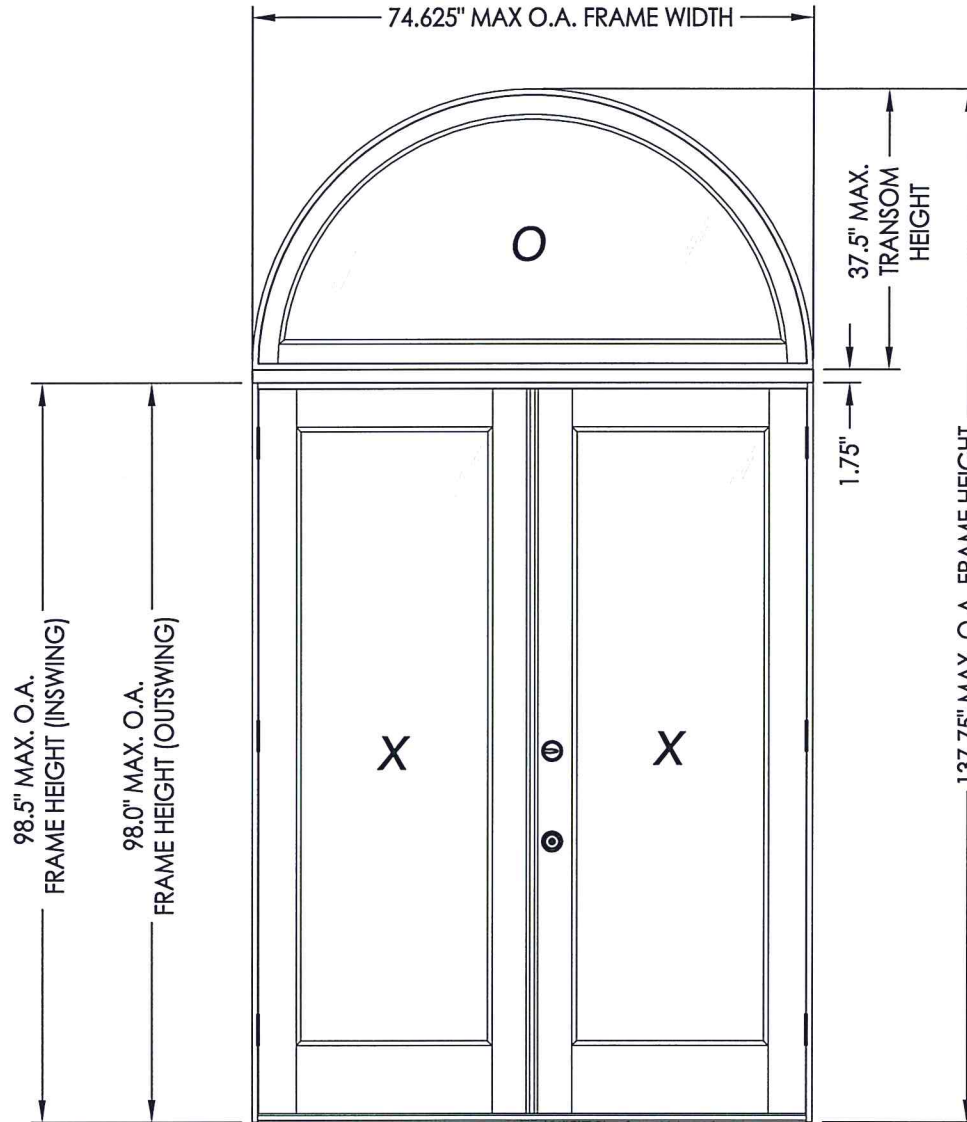
### INSWING/OUTSWING "IMPACT"

#### GENERAL NOTES

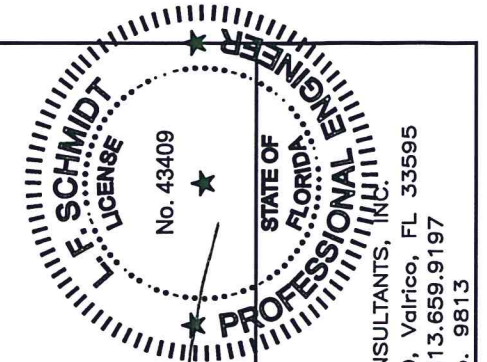
1. This product has been evaluated and is in compliance with the 6th Edition (2017) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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.

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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
O XX	+50.0	-50.0	+50.0	-50.0



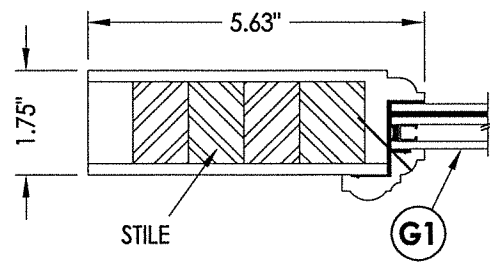
October 12, 2017  
 Documents Prepared By:  
 Lyndon F. Schmidt  
 P.E. No. 43409  
 R.W. BUILDING CONSULTANTS, INC.  
 P.O. Box 230, Valrico, FL 33595  
 Phone No.: 813.659.9197  
 FBPE C.A. No. 9813

PRODUCT:  
 SOUTHEASTERN SASH & DOOR  
 WOOD DOOR  
 PART OR ASSEMBLY:  
 TYPICAL ELEVATION, DESIGN  
 PRESSURES & GENERAL NOTES

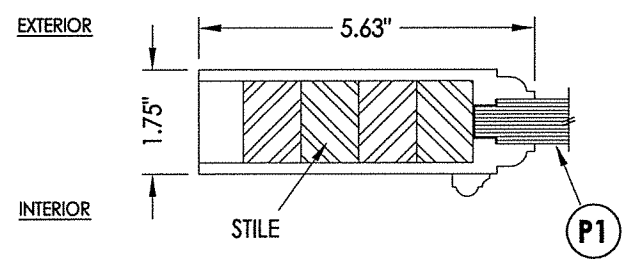
NO.	DATE	REVISIONS
1	10/12/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 5/10/17  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.:  
 FL-22347.5  
 SHEET 1 OF 9

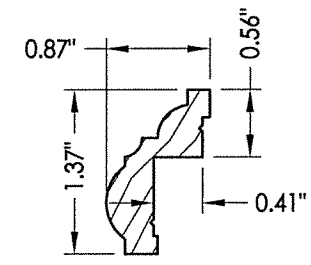
R:\Clients\Southeastern Sash & Door\A - Florida Product Approvals\FL-22347C - Drawings\FL-22347 (2017)\FL-22347-4-5.dwg, 2.3



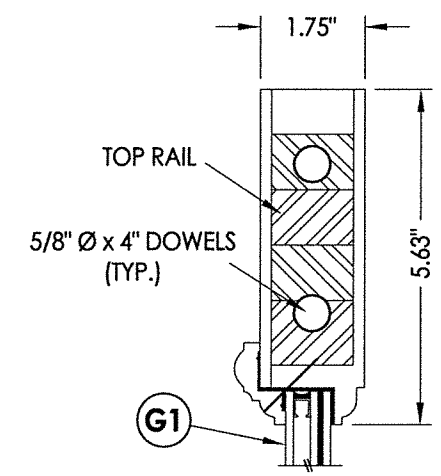
**1** HORIZONTAL CROSS SECTION



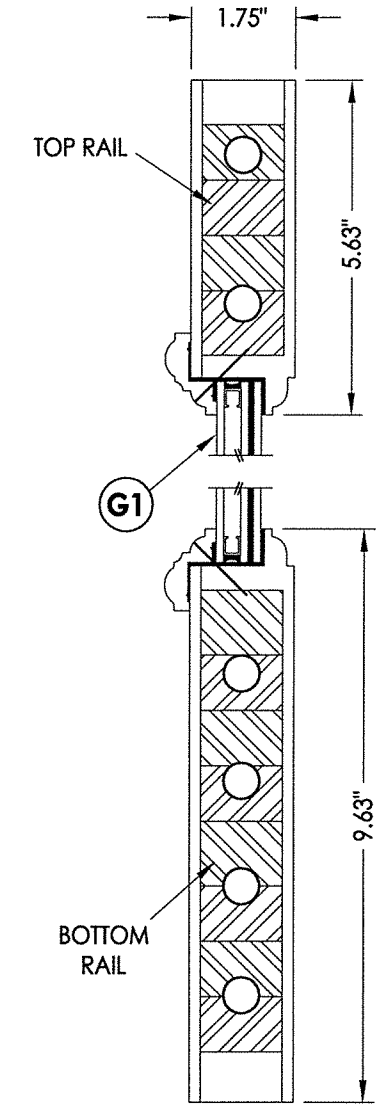
**2** HORIZONTAL CROSS SECTION



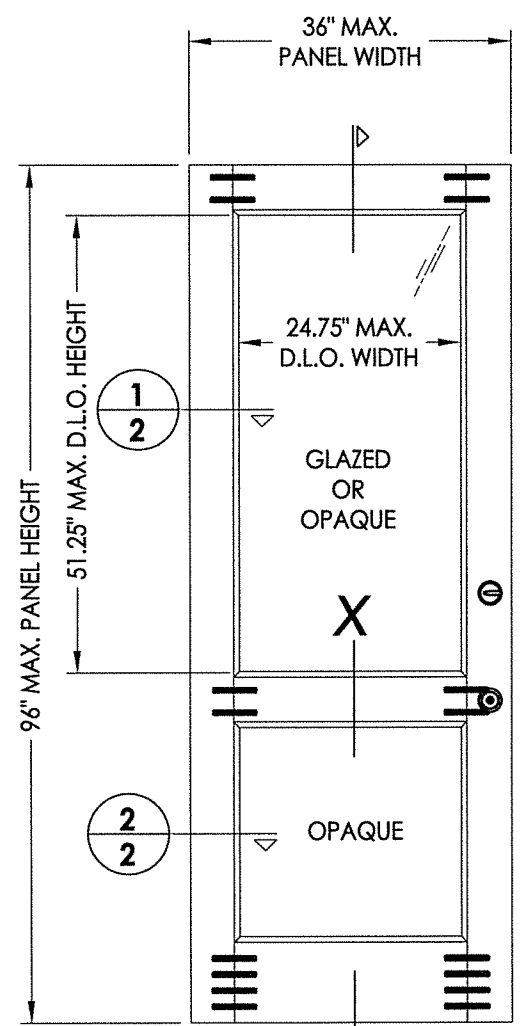
GLAZING BEAD



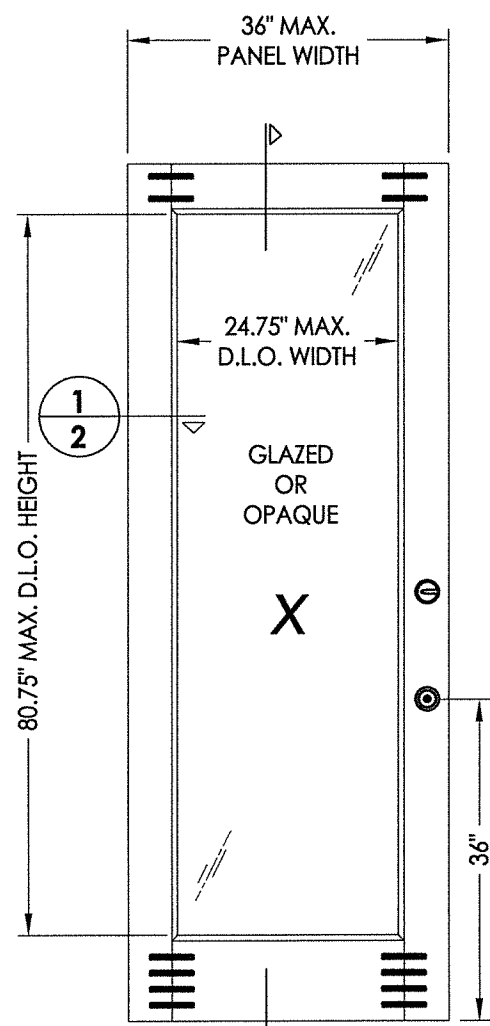
**3** VERTICAL CROSS SECTION



**4** VERTICAL CROSS SECTION

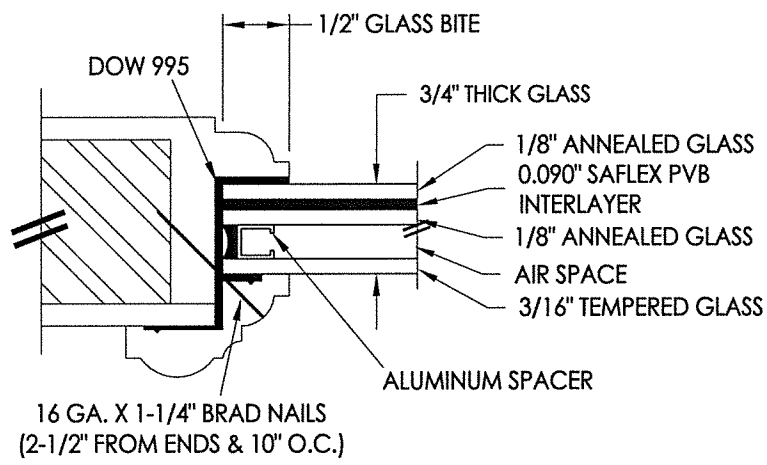


**3** 2 3/4 PANEL/LITE

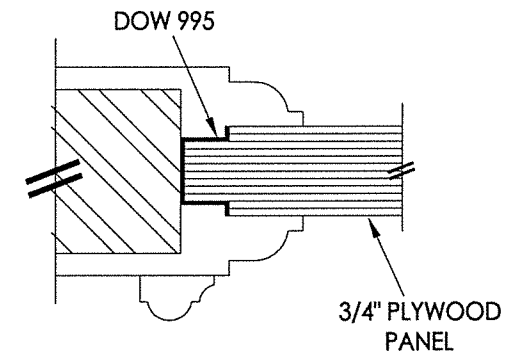


**4** 2 FULL PANEL/LITE

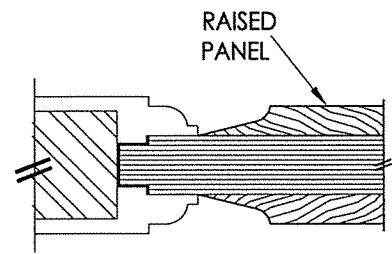
**40** WOOD DOOR PANEL  
Glazed or Opaque



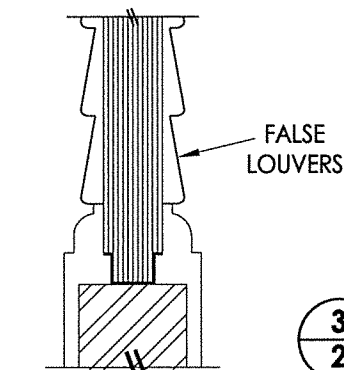
**G1** GLAZING DETAIL



**P1** PANEL INFILL DETAIL

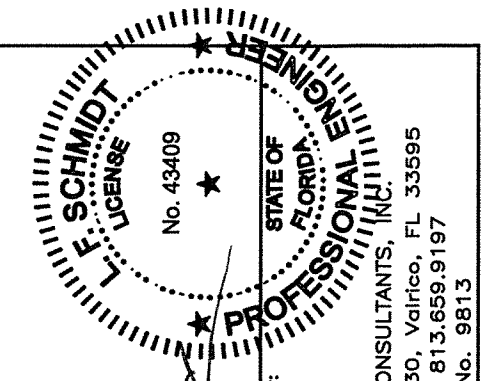


RAISED PANEL OPTION



FALSE LOUVER OPTION

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

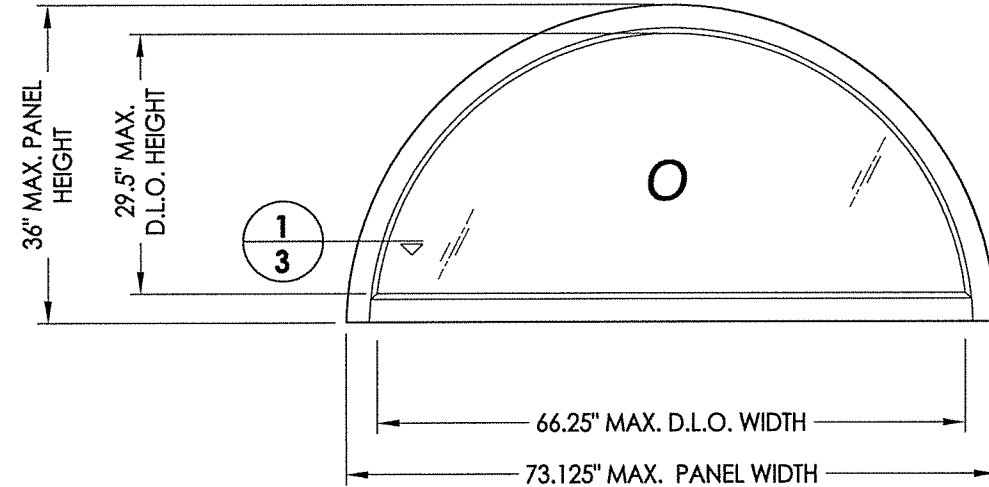
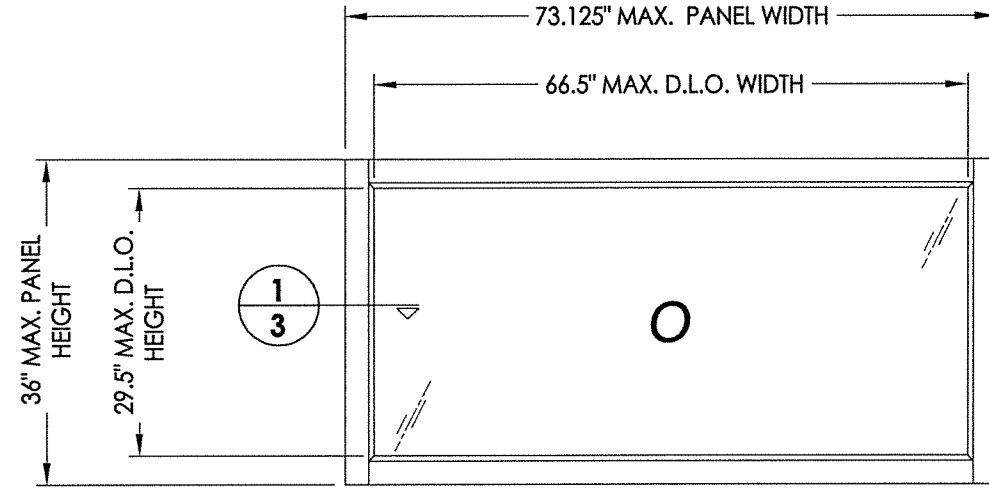


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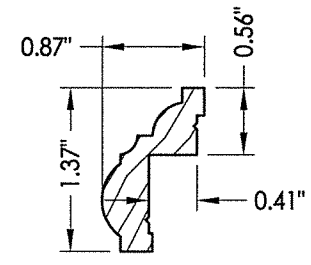
PRODUCT: SOUTHEASTERN SASH & DOOR WOOD DOOR  
PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	BY	REVISIONS
1	10/12/17	LFS	UPDATE TO 6TH ED. (2017) FBC

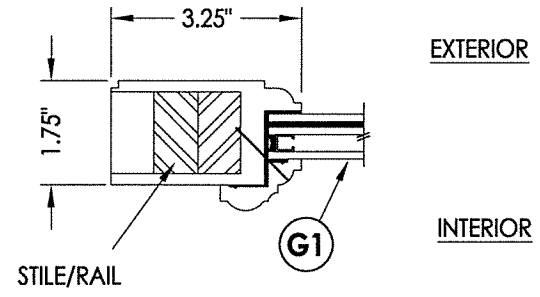
DATE: 5/10/17  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-22347.5  
SHEET 2 OF 9



**70 WOOD TRANSOM PANEL**

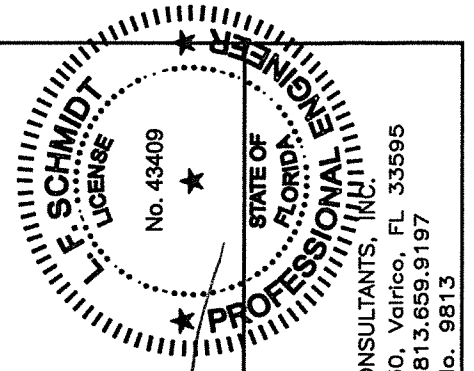


**GLAZING BEAD**



**1/3 HORIZONTAL CROSS SECTION**

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

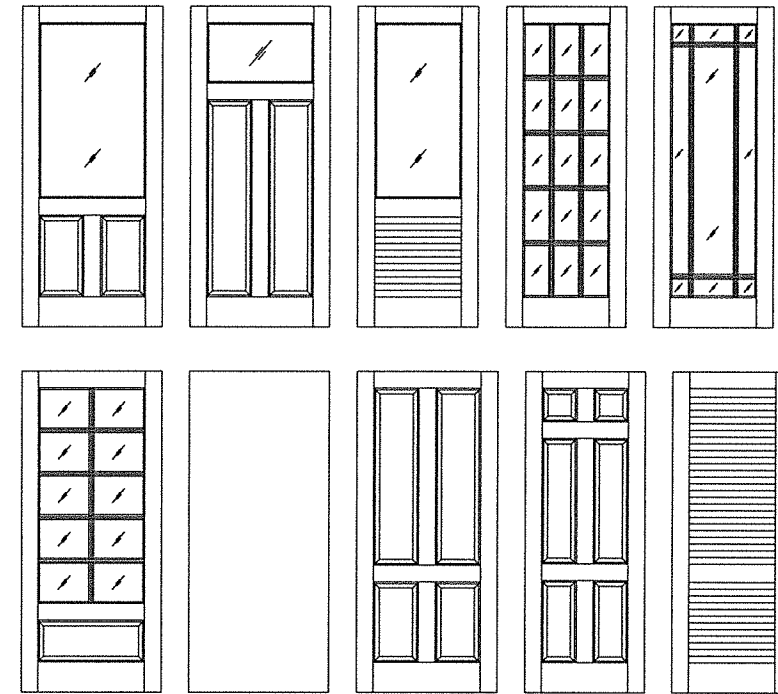
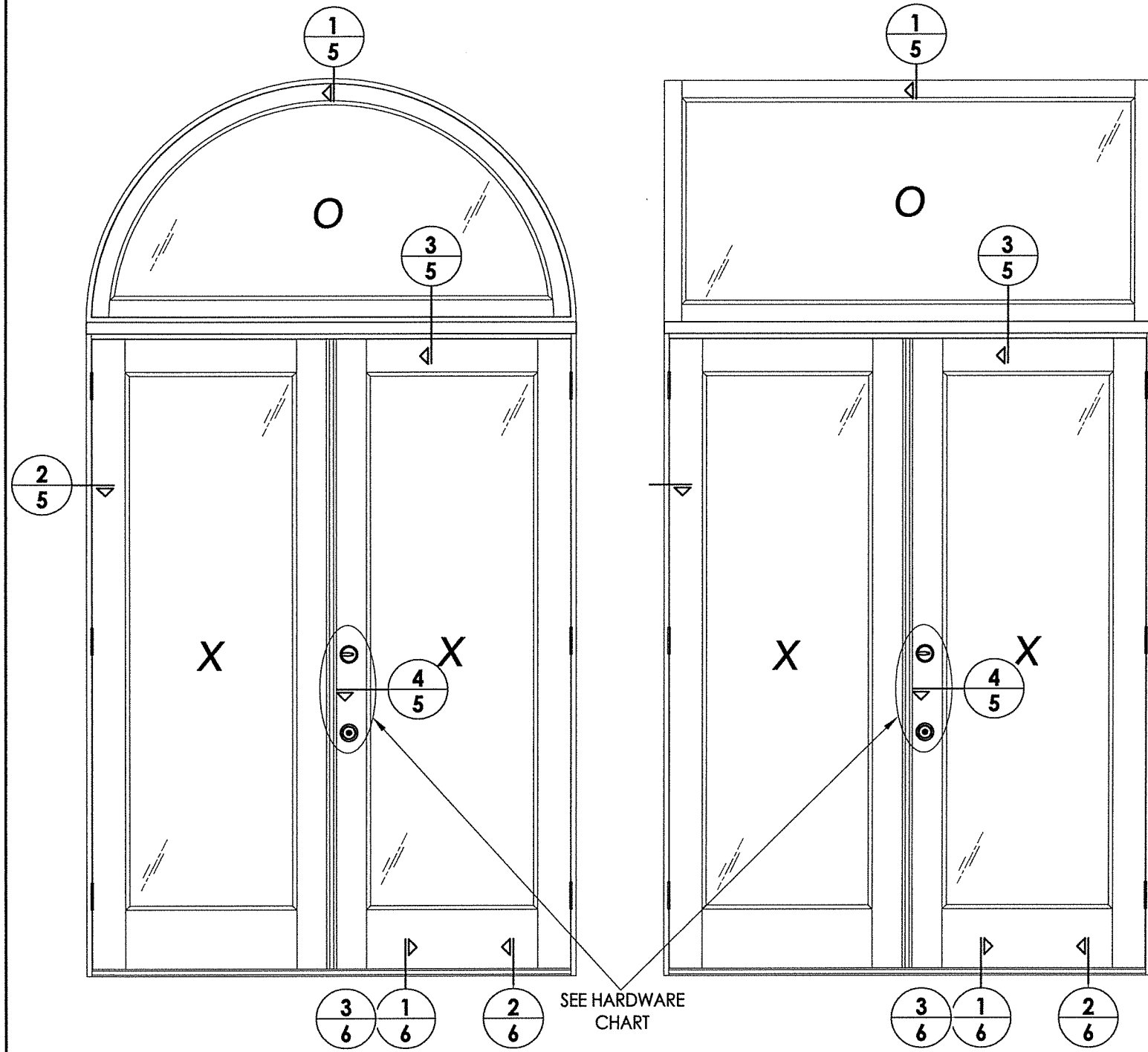


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 FBPE C.A. No. 9813

PRODUCT:	SOUTHEASTERN SASH & DOOR WOOD DOOR
PART OR ASSEMBLY:	TRANSOM PANEL DETAILS

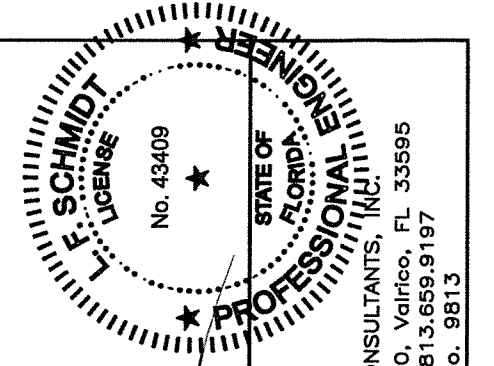
NO.	DATE	REVISIONS	LFS	BY
1	10/12/17	UPDATE TO 6TH ED. (2017)	FBC	

DATE:	5/10/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-22347.5
SHEET	3 OF 9



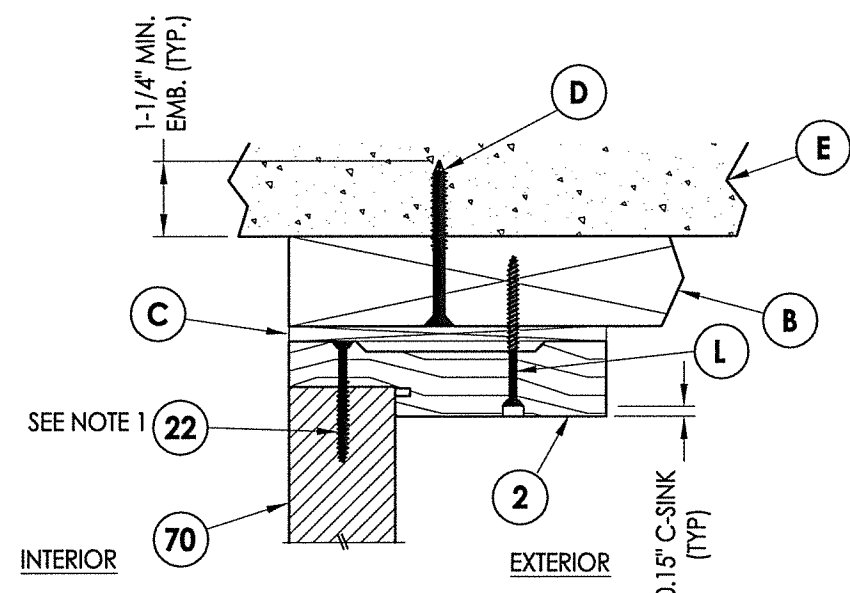
**SOUTHEASTERN SASH & DOOR Door Panel Options**  
 Panel options shown are for illustration and are representative only.  
 Surface applied muntins are used for simulated divided lifes shown.

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

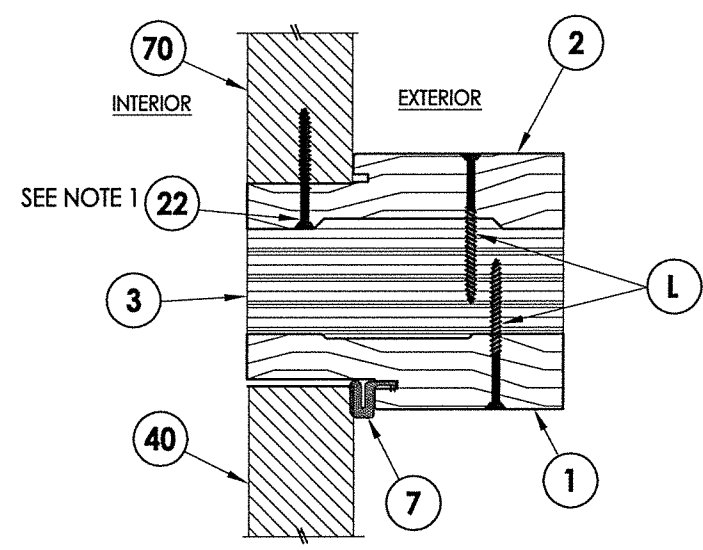


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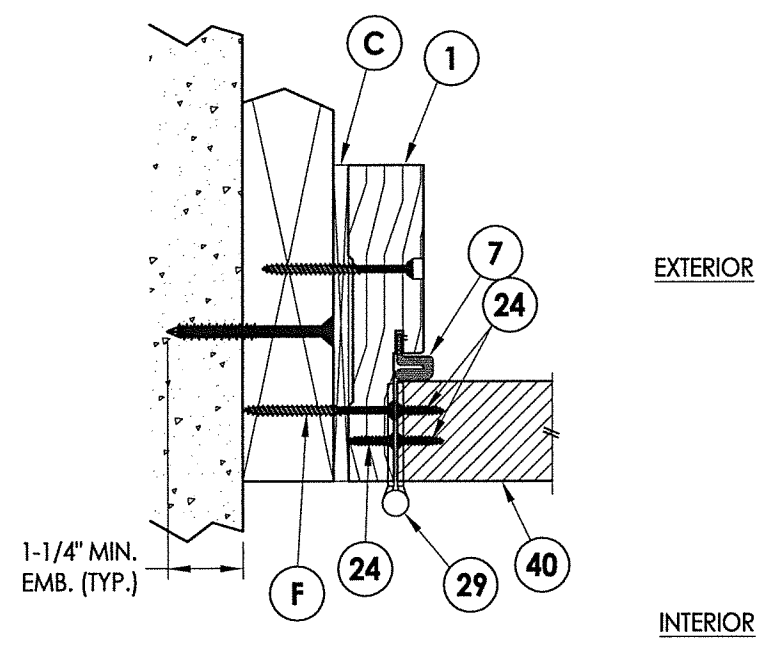
PRODUCT:	SOUTHEASTERN SASH & DOOR WOOD DOOR
PART OR ASSEMBLY:	ELEVATIONS
DATE:	5/10/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-22347.5
SHEET	4 OF 9



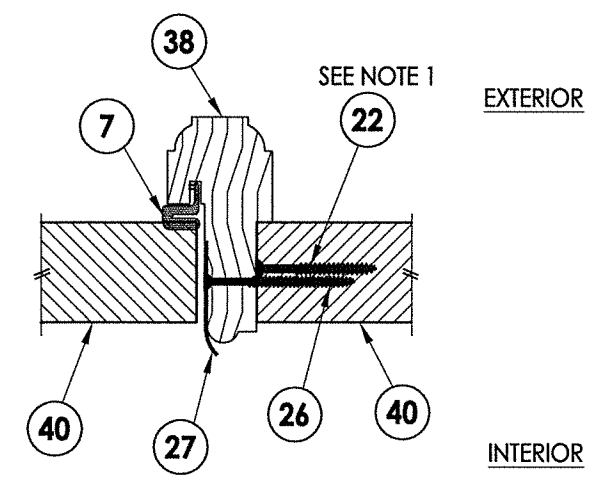
**1 VERTICAL CROSS SECTION**  
**5** Shown w/ 2X Buck  
 Inswing shown (Outswing similar)



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

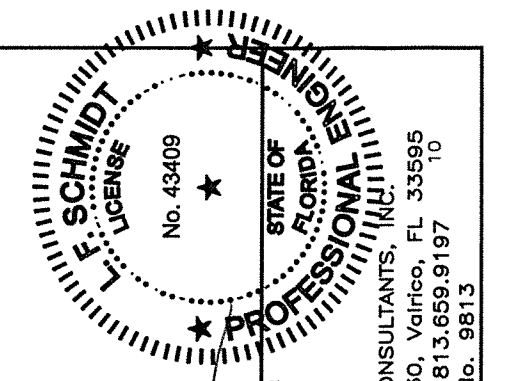


**2 HORIZONTAL CROSS SECTION**  
**5** Shown w/ 2X Buck  
 Inswing shown (Outswing similar)



**4 HORIZONTAL CROSS SECTION**  
**5** Inswing shown (Outswing similar)

NOTE:  
 1. Item #22 located 4" from each end then 7 more (9 total).

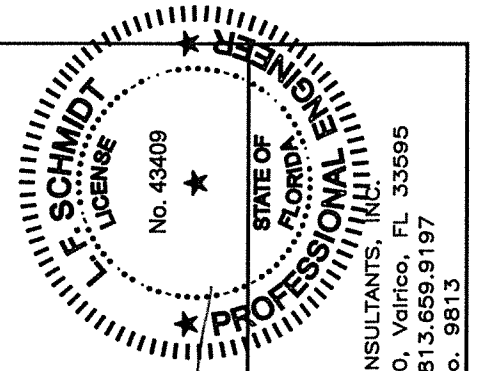
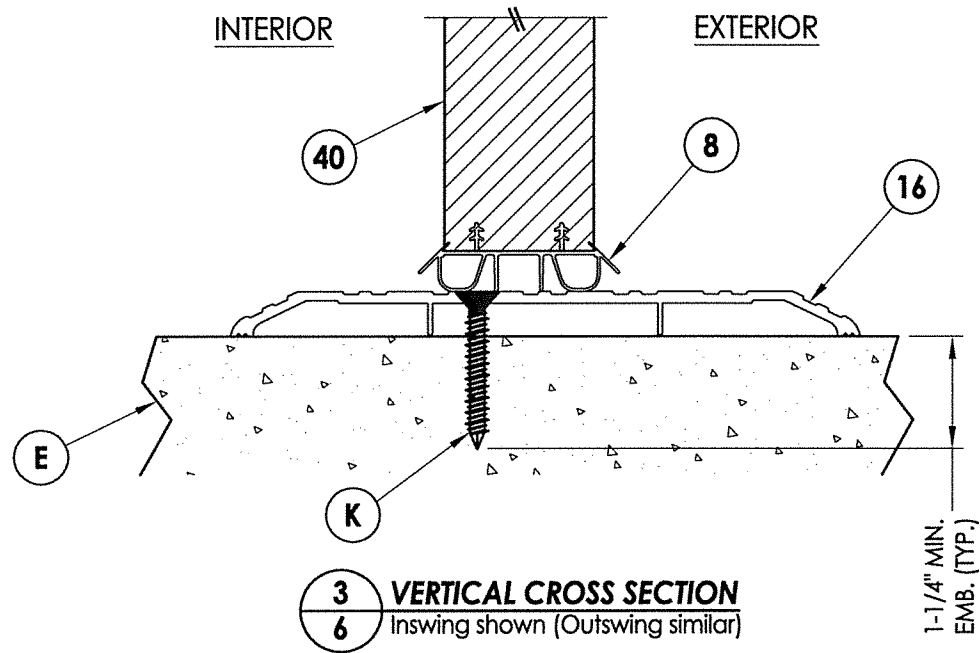
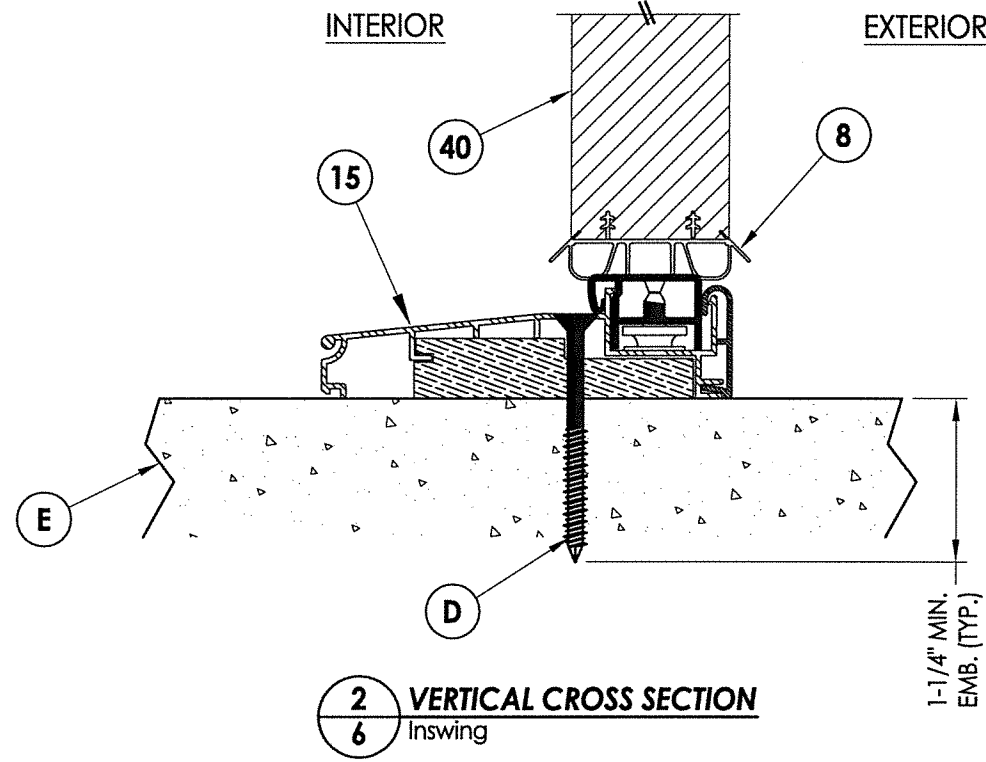
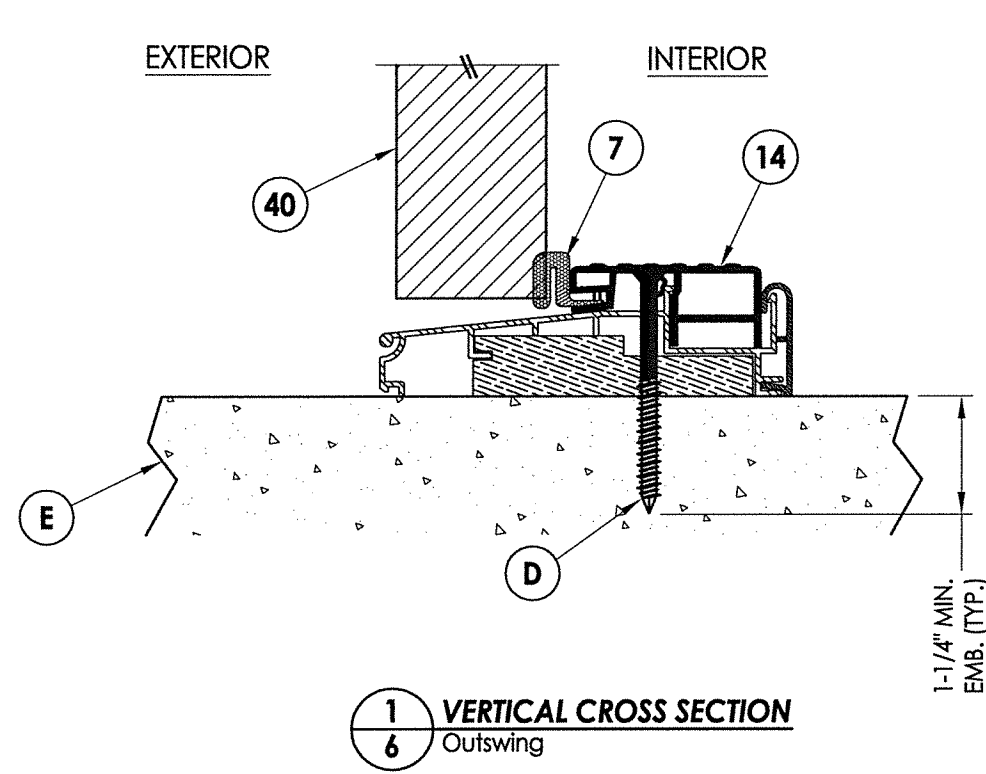


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PRODUCT:  
 SOUTHEASTERN SASH & DOOR  
 WOOD DOOR  
 PART OR ASSEMBLY:  
 HORIZONTAL & VERTICAL  
 CROSS SECTIONS (2X BUCK)

NO.	DATE	REVISIONS
1	10/12/17	UPDATE TO 6TH ED. (2017) FBC

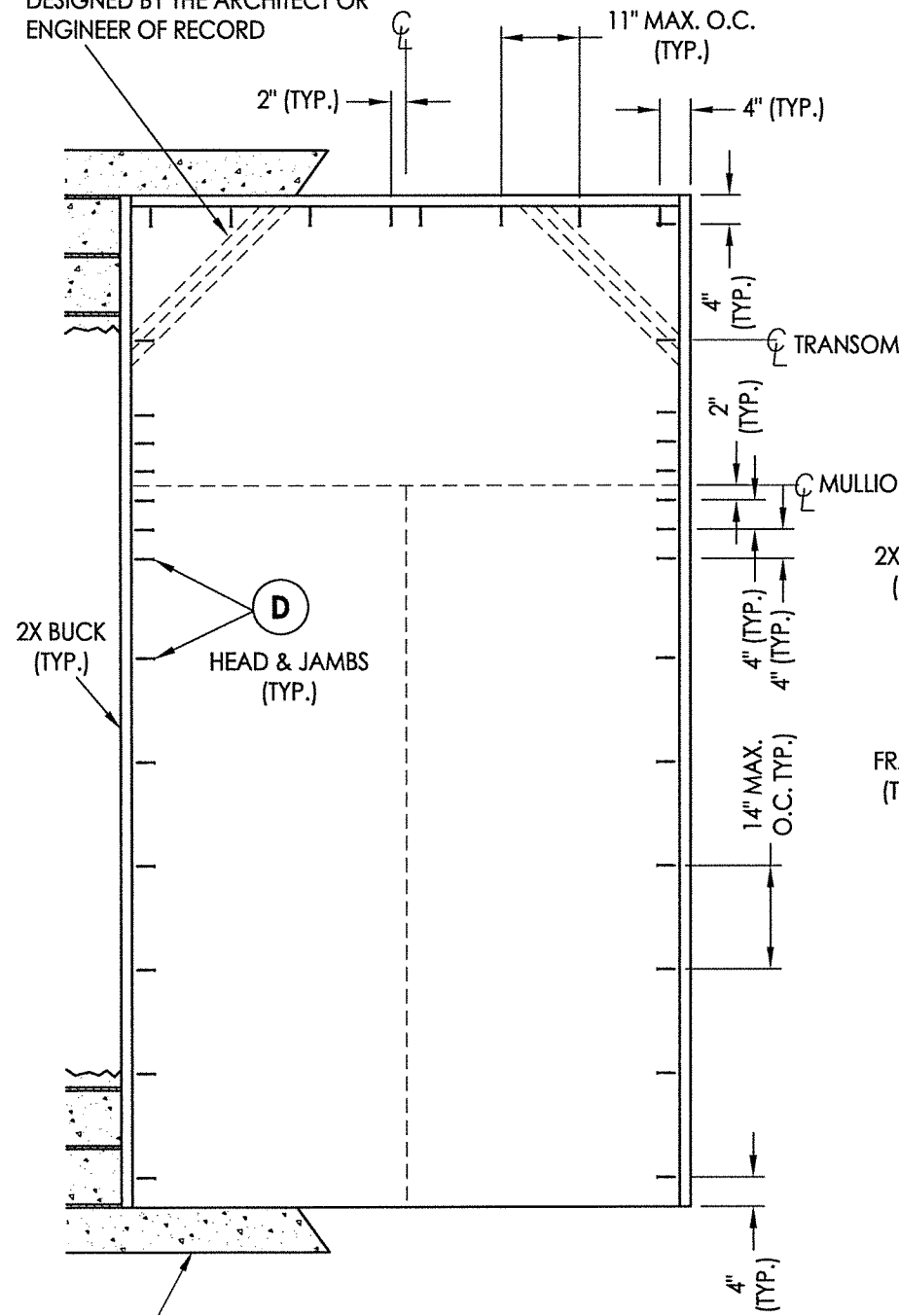
DATE: 5/10/17  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.:  
 FL-22347.5  
 SHEET 5 OF 9



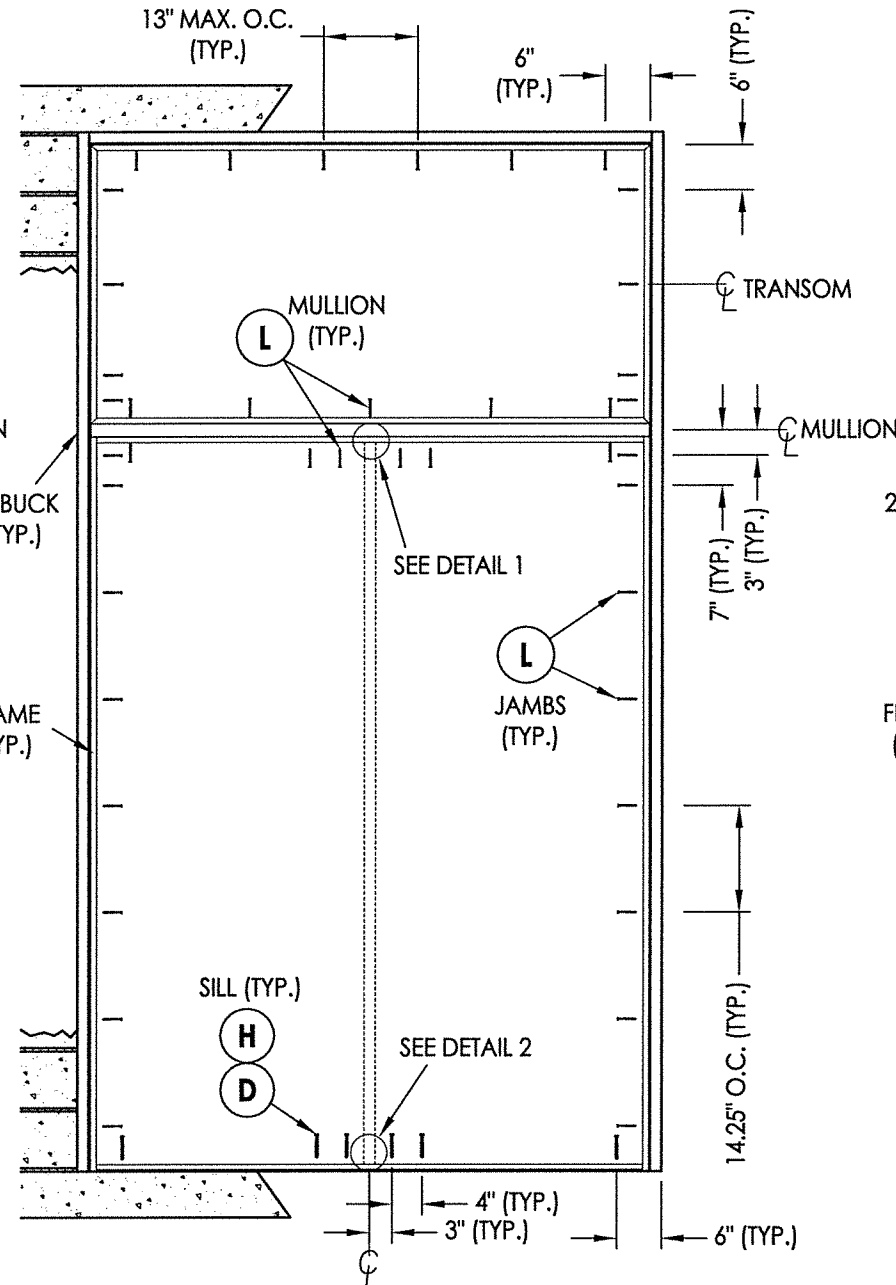
October 12, 2017  
 Documents Prepared By:  
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 FBPE C.A. No. 9813

PRODUCT:	SOUTHEASTERN SASH & DOOR WOOD DOOR	
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS (THRESHOLD)	
DATE:	5/10/17	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	FL-21894.5	
SHEET	6 OF 9	
NO.	DATE	REVISIONS
1	10/12/17	UPDATE TO 6TH ED. (2017) FBC
		LFS
		BY

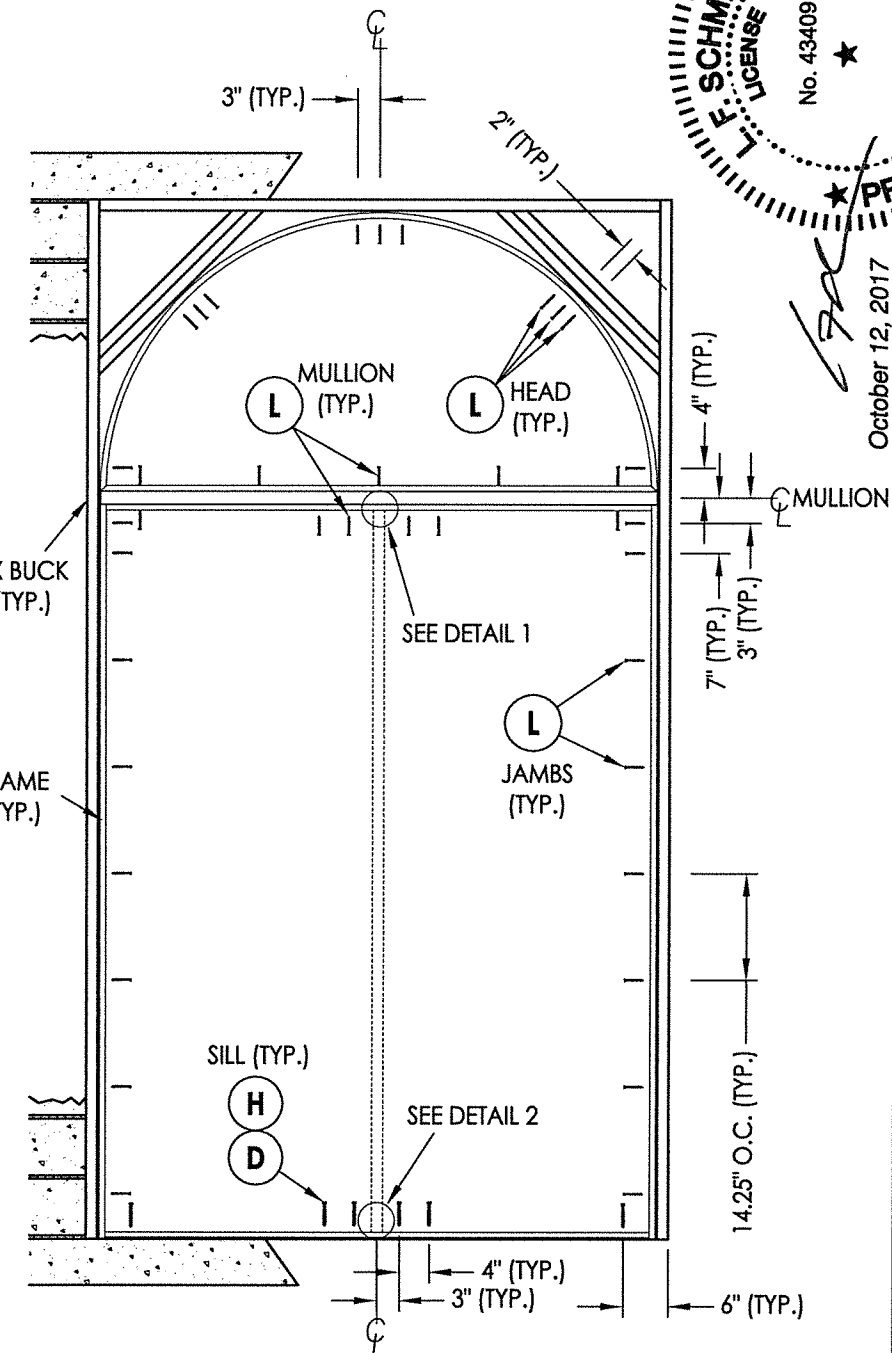
FRAMING AND CONNECTIONS TO BE DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD



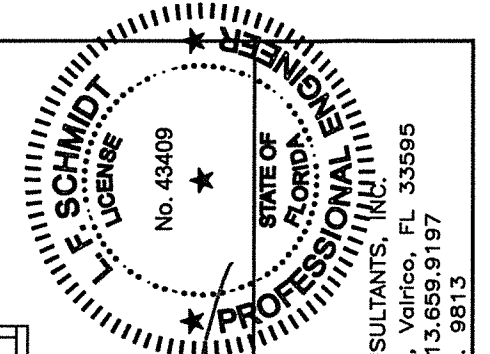
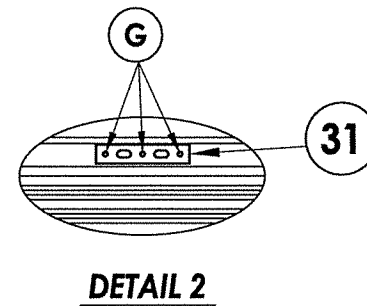
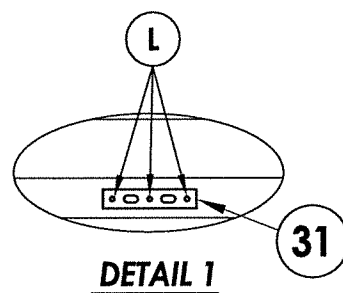
**2X BUCK ANCHORING**



**FRAME ANCHORING**



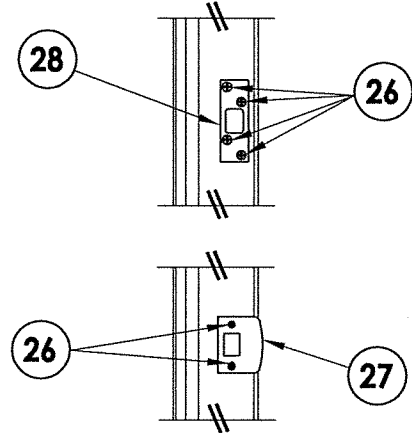
**FRAME ANCHORING**



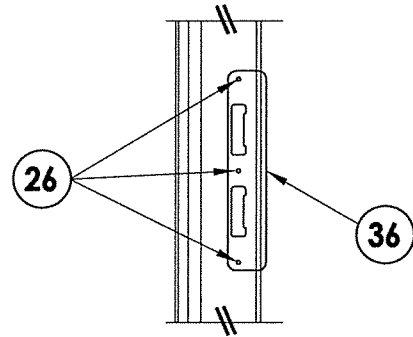
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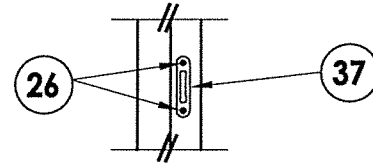
PRODUCT:		SOUTHEASTERN SASH & DOOR WOOD DOOR	
PART OR ASSEMBLY:		BUCK & FRAME ANCHORING	
NO.	DATE	BY	
1	10/12/17	LFS	
UPDATE TO 6TH ED. (2017) FBC			
REVISIONS			
DATE: 5/10/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-22347.5			
SHEET 7 OF 9			



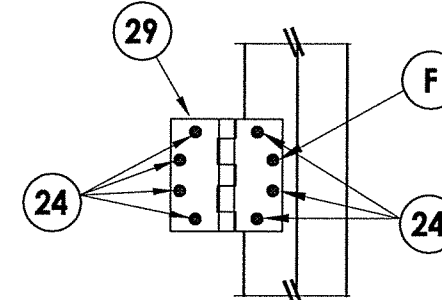
**LATCH & DEADBOLT STRIKE PLATE DETAIL**



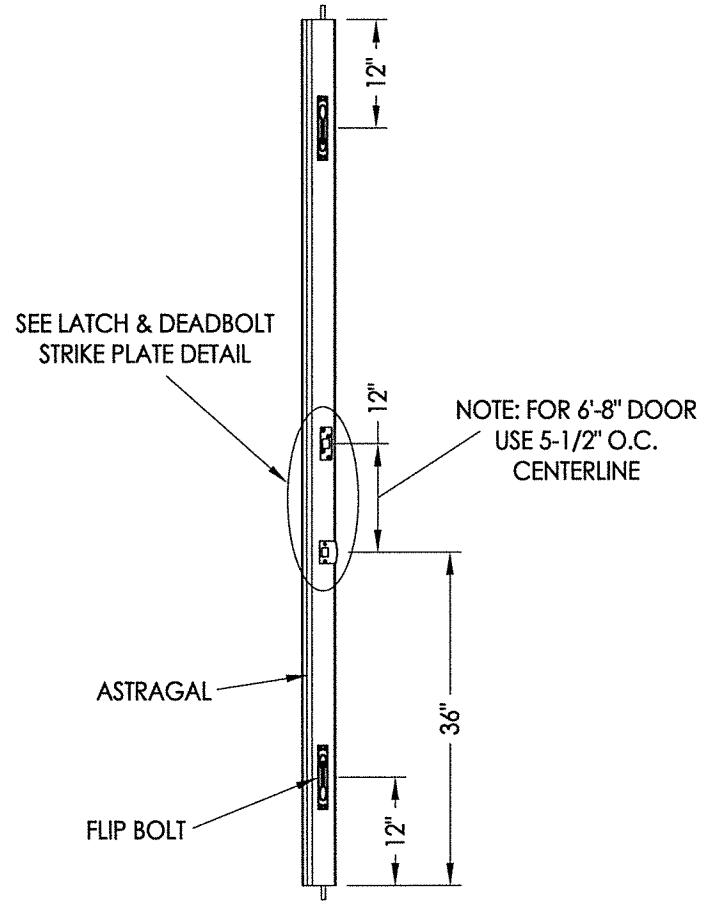
**MULTIPOINT STRIKE PLATE DETAIL**



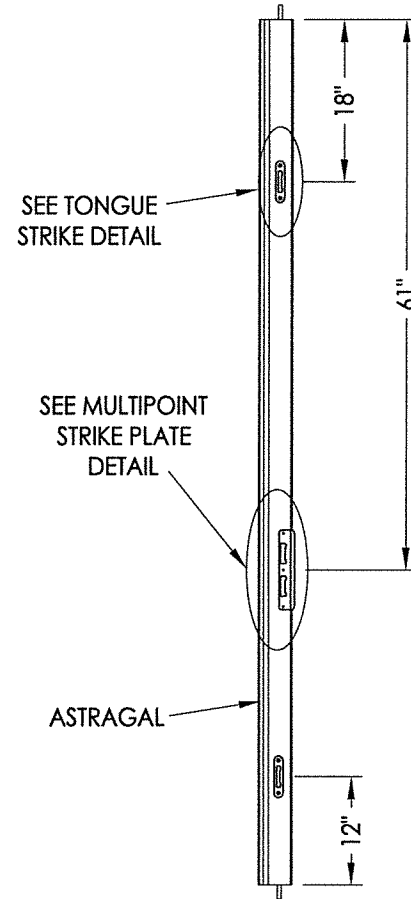
**TONGUE STRIKE PLATE DETAIL**



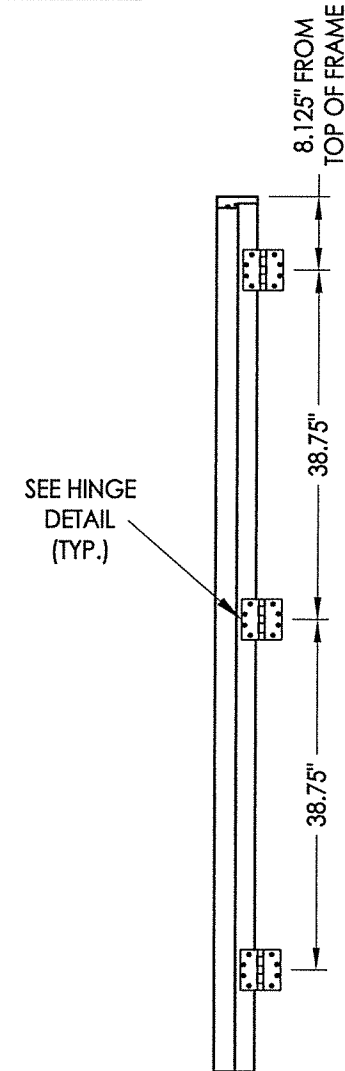
**HINGE DETAIL**



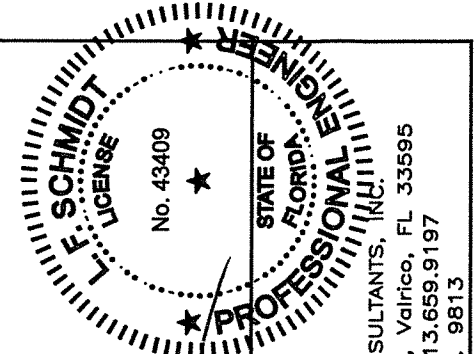
**LATCH & DEADBOLT DETAILS**



**MULTIPOINT LOCK DETAILS**



**HINGE JAMB**



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PRODUCT:		SOUTHEASTERN SASH & DOOR WOOD DOOR	
PART OR ASSEMBLY:		HARDWARE DETAILS	
NO.	DATE	BY	REVISIONS
1	10/12/17	LFS	UPDATE TO 6TH ED. (2017) FBC
DATE: 05/10/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-22347.5			
SHEET 8 OF 9			



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)**

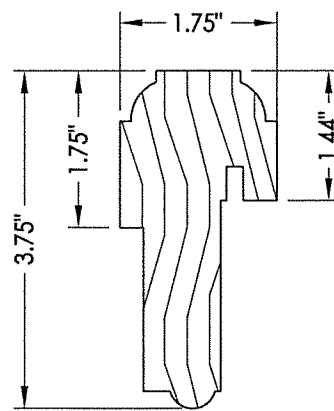
**CONCRETE ANCHOR NOTES:**

- 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:

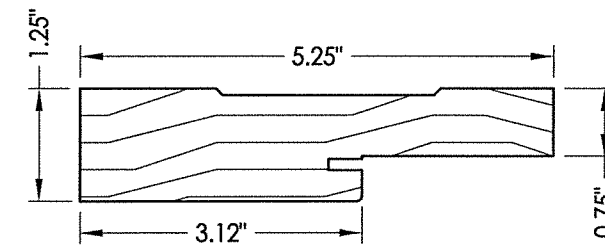
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

**WOOD SCREW INSTALLATION NOTES:**

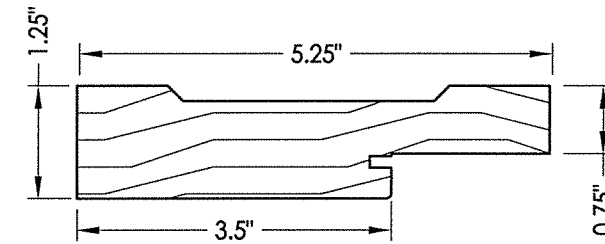
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



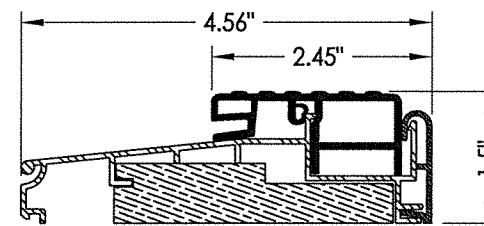
**38 ASTRAGAL**



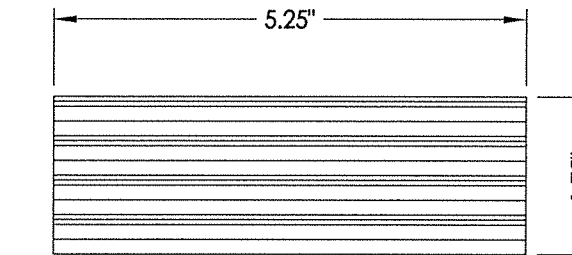
**1 WOOD JAMB (Door)**



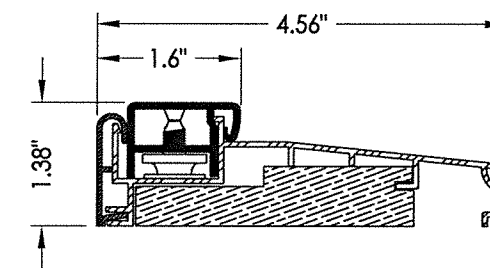
**2 WOOD JAMB (Transom)**



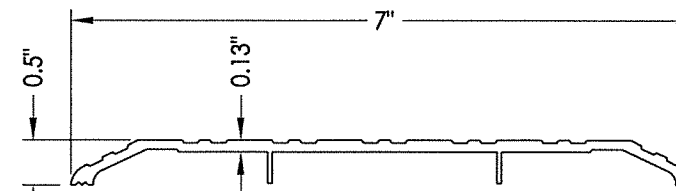
**14 OUTSWING THRESHOLD WORLDWIDE**



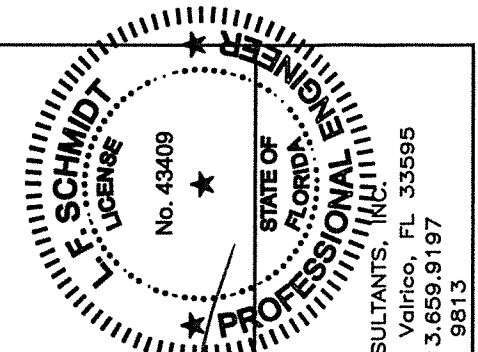
**3 MULLION VERSA-LAM® 3100 Fb-2.0E**



**15 INSWING THRESHOLD WORLDWIDE**



**16 ADA THRESHOLD**



October 12, 2017  
 Documents Prepared By:  
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PRODUCT: SOUTHEASTERN SASH & DOOR WOOD DOOR  
 PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	BY	LFS
1	10/12/17	DATE	FBC

REVISIONS

DATE: 5/10/17  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: FL-22347.5  
 SHEET 9 OF 9