



"Gulf Armor"

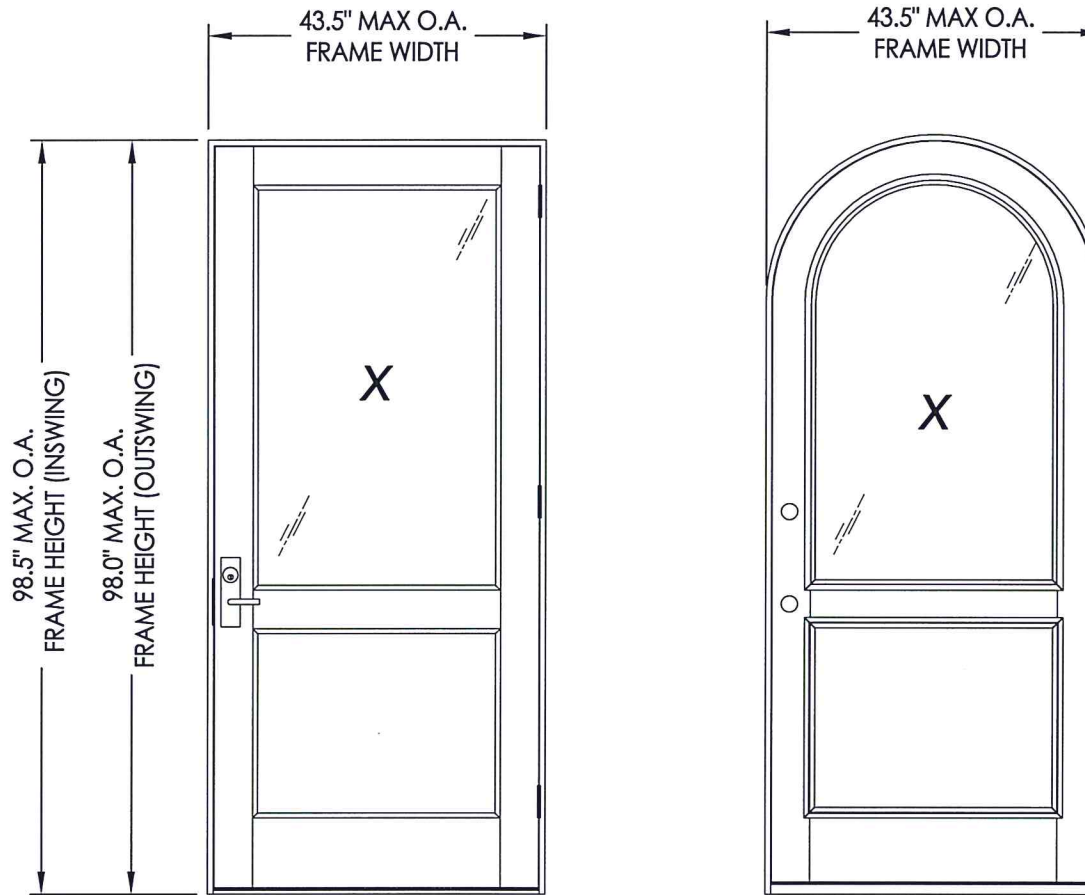
WOOD GLAZED OR OPAQUE SINGLE DOOR

IN SWING / OUT SWING

"IMPACT"

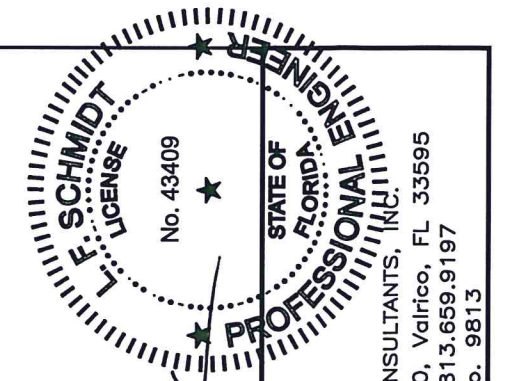
GENERAL NOTES

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.



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	+50.0	-50.0	+50.0	-50.0

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



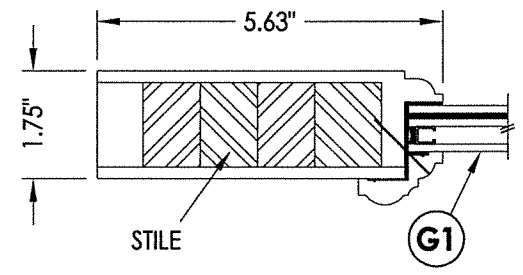
October 12, 2017
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409
 R.W. BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE C.A. No. 9813

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

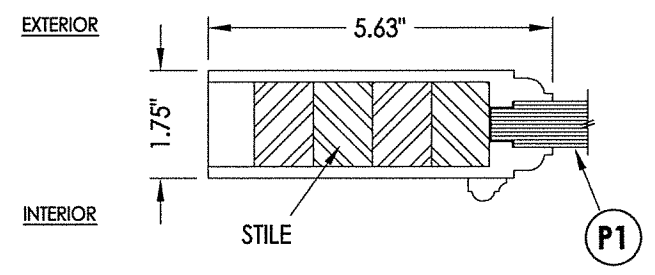
NO.	DATE	BY	REVISIONS
1	10/12/17	LFS	UPDATE TO 6TH ED. (2017) FBC

DATE: 5/10/17
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.:
 FL-22347.1
 SHEET 1 OF 10

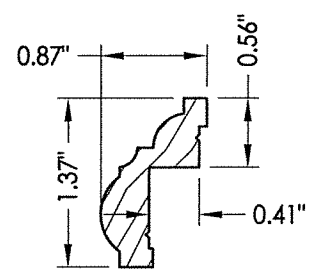
R:\Clients\Southeastern Sash & Door\A - Florida Product Approvals\FL-22347C - Drawings\FL-22347.1-3.dwg, 2.1



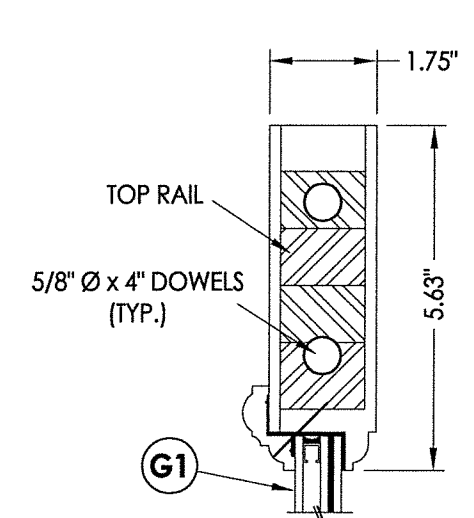
1
2 **HORIZONTAL CROSS SECTION**



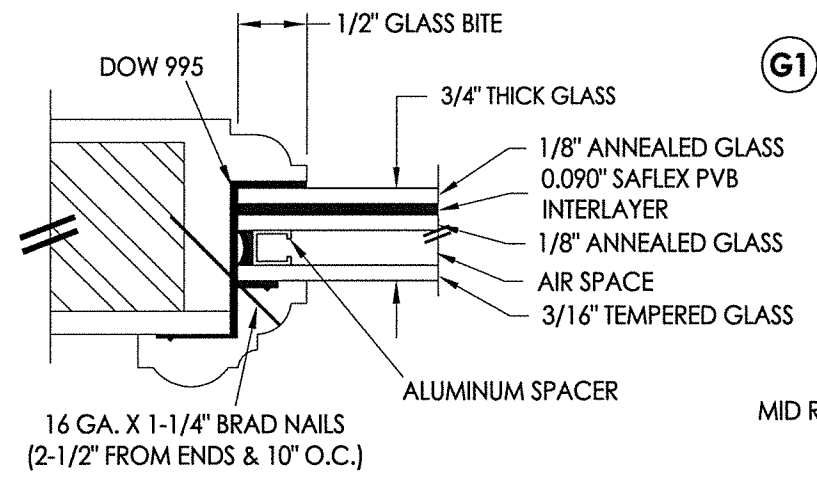
2
2 **HORIZONTAL CROSS SECTION**



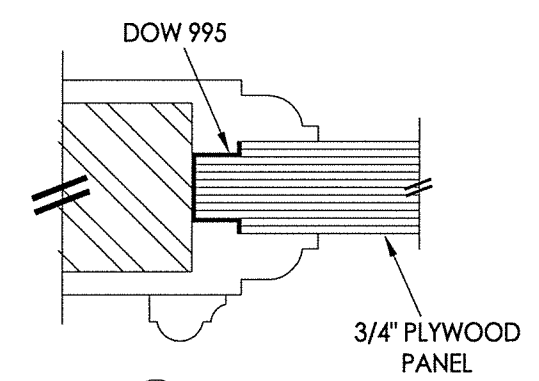
GLAZING BEAD



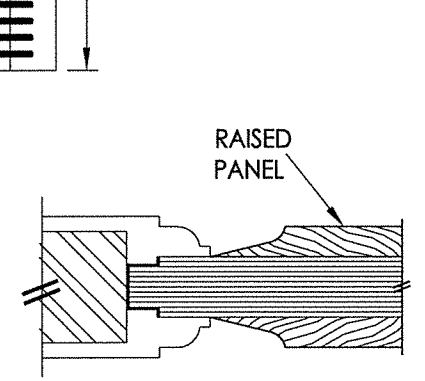
3
2 **VERTICAL CROSS SECTION**



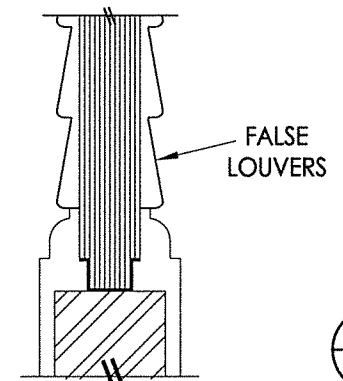
G1 **GLAZING DETAIL**



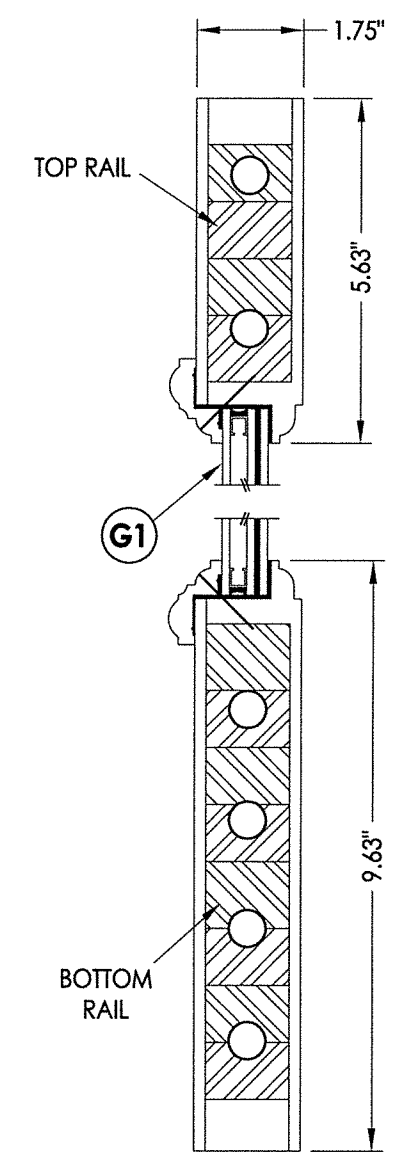
P1 **PANEL INFIL DETAIL**



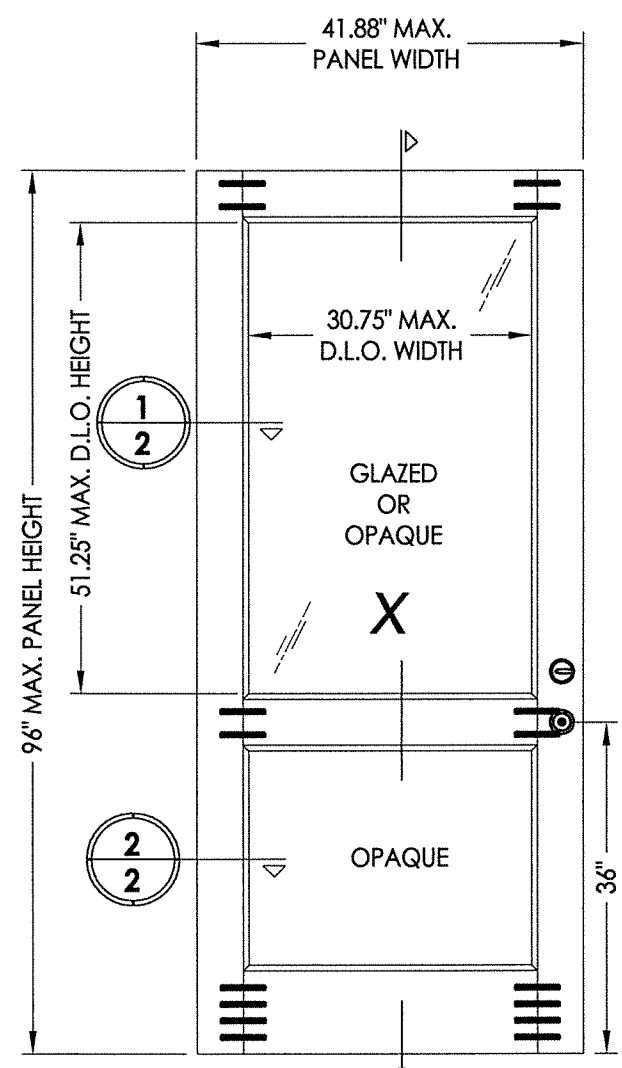
RAISED PANEL OPTION



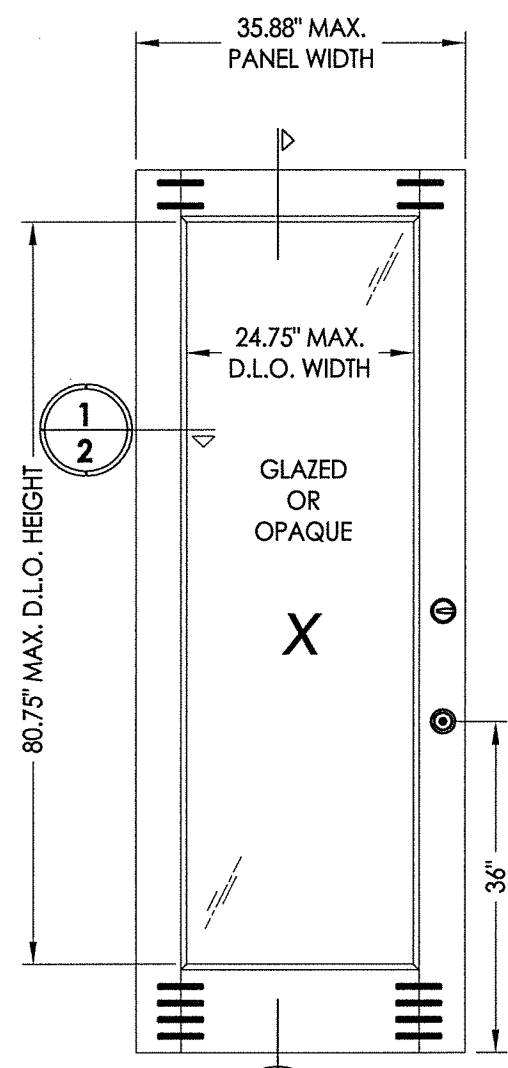
FALSE LOUVER OPTION



4
2 **VERTICAL CROSS SECTION**



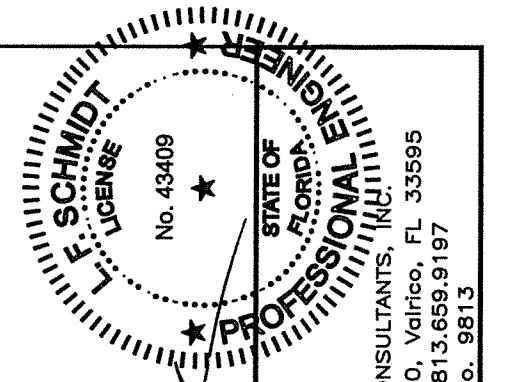
3
2 **3/4 PANEL/LITE**



4
2 **FULL PANEL/LITE**

40 **WOOD DOOR PANEL**
Glazed or Opaque

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



October 12, 2017
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

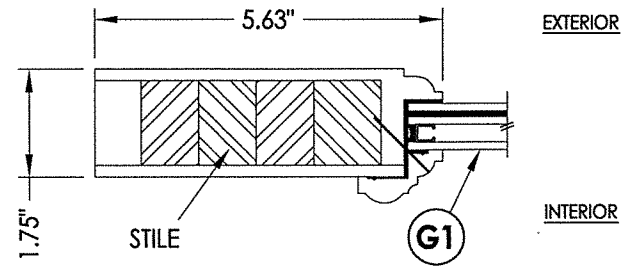
PRODUCT:
SOUTHEASTERN SASH & DOOR
WOOD DOOR

PART OR ASSEMBLY:
DOOR PANEL
DETAILS

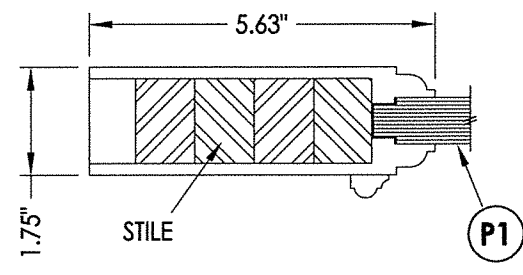
NO.	DATE	BY	REVISIONS
1	10/12/17	LFS	UPDATE TO 6TH ED. (2017) FBC

DATE: 5/10/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-22347.1
SHEET 2 OF 10

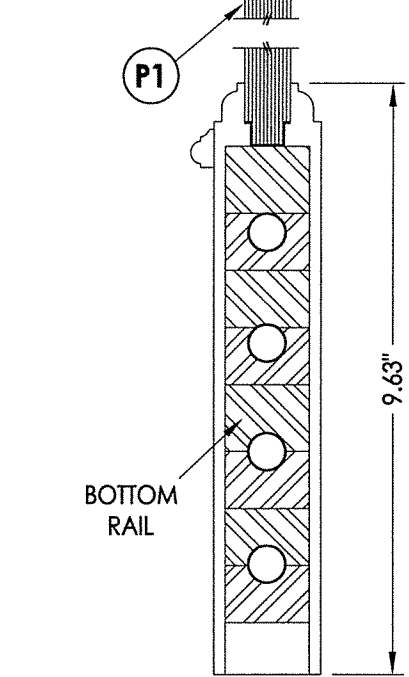
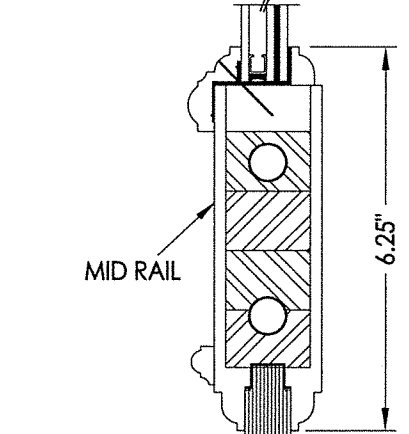
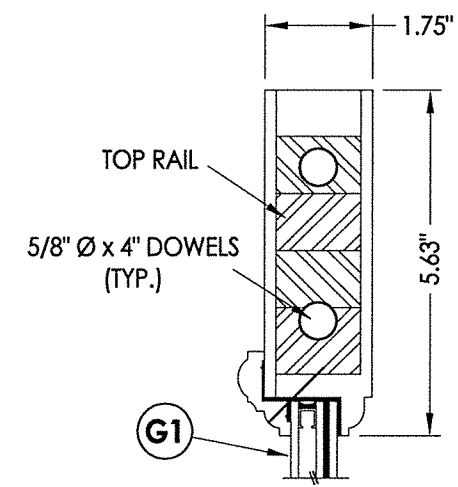
R:\Clients\Southeastern Sash & Door\A - Florida Product Approvals\FL-22347\C - Drawings\FL-22347 (2017)\FL-22347.1-3.dwg, 3.1



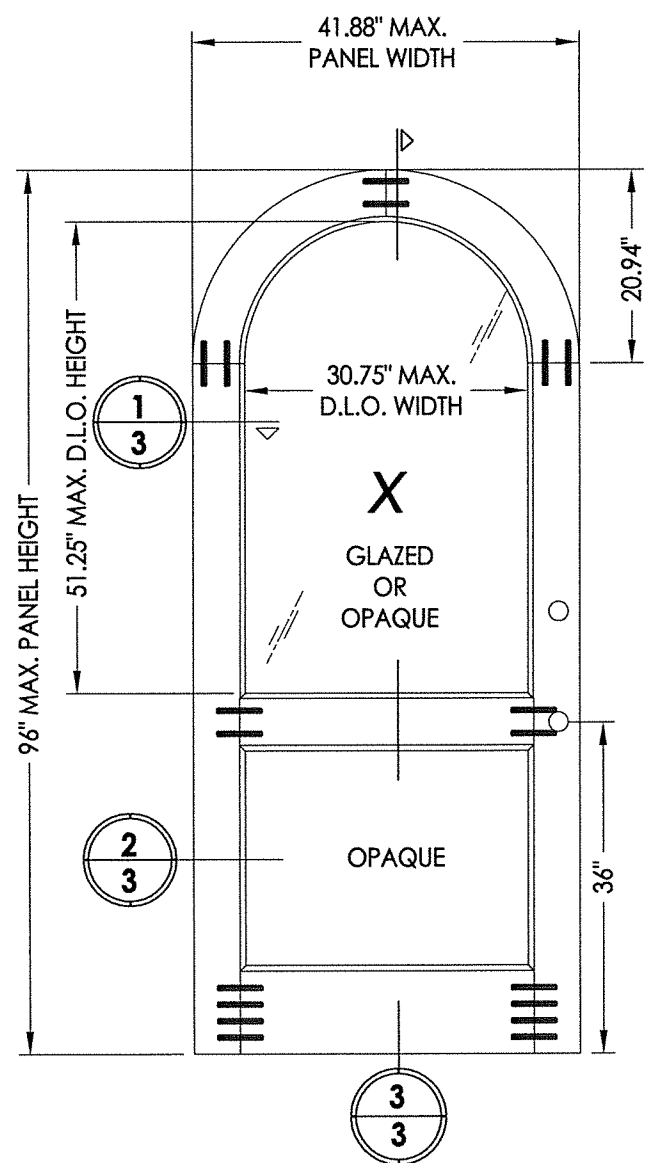
1
3 HORIZONTAL CROSS SECTION



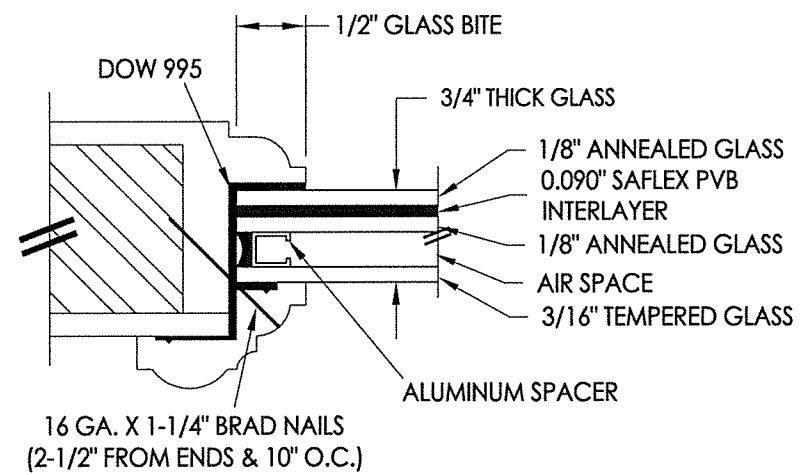
2
3 HORIZONTAL CROSS SECTION



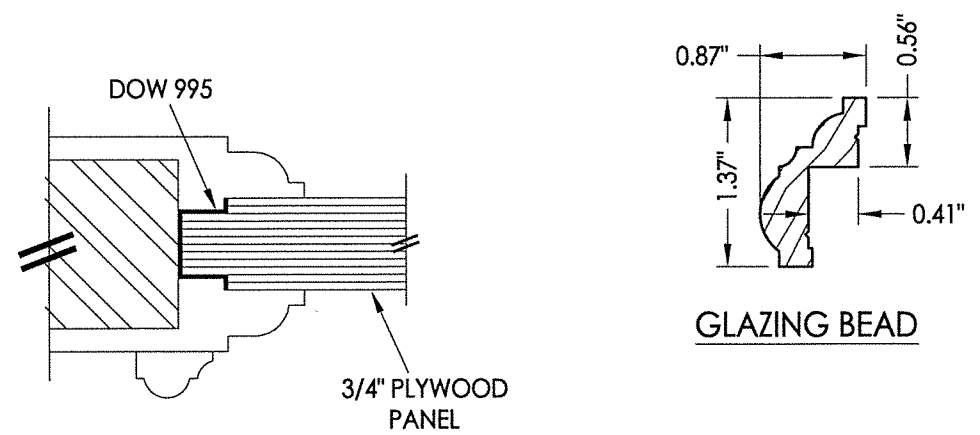
3
3 VERTICAL CROSS SECTION



40 WOOD DOOR PANEL
Glazed or Opaque

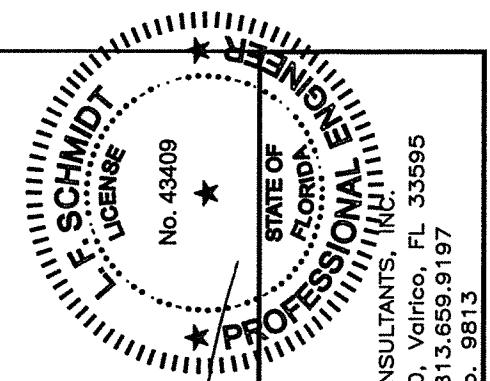


G1 GLAZING DETAIL



P1 PANEL INFIL DETAIL

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



October 12, 2017
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

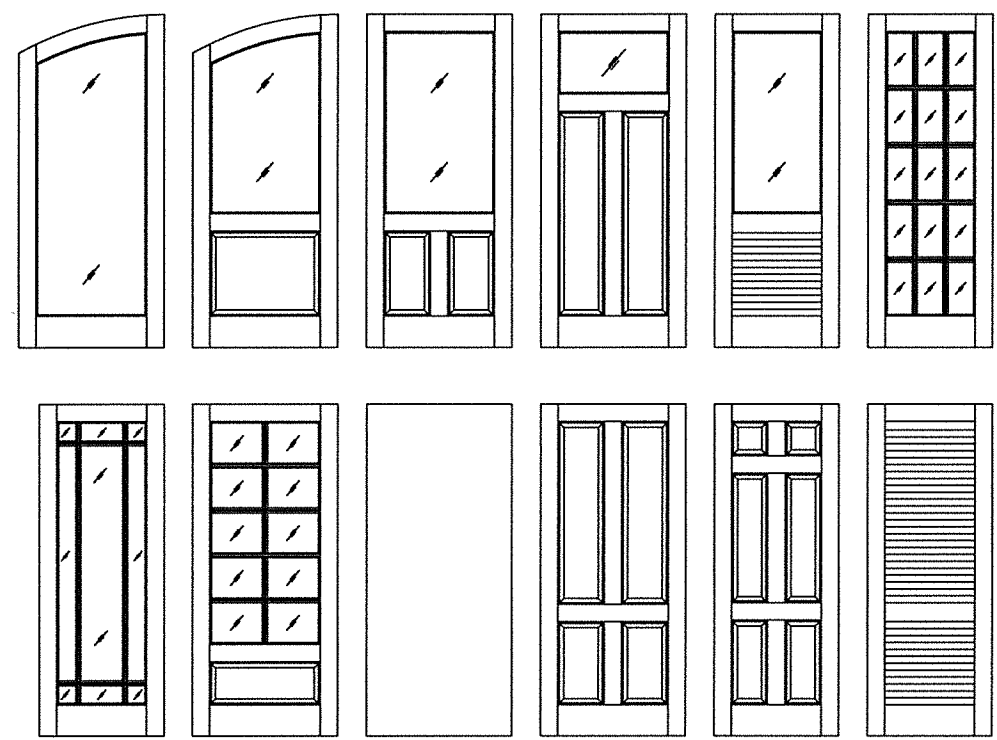
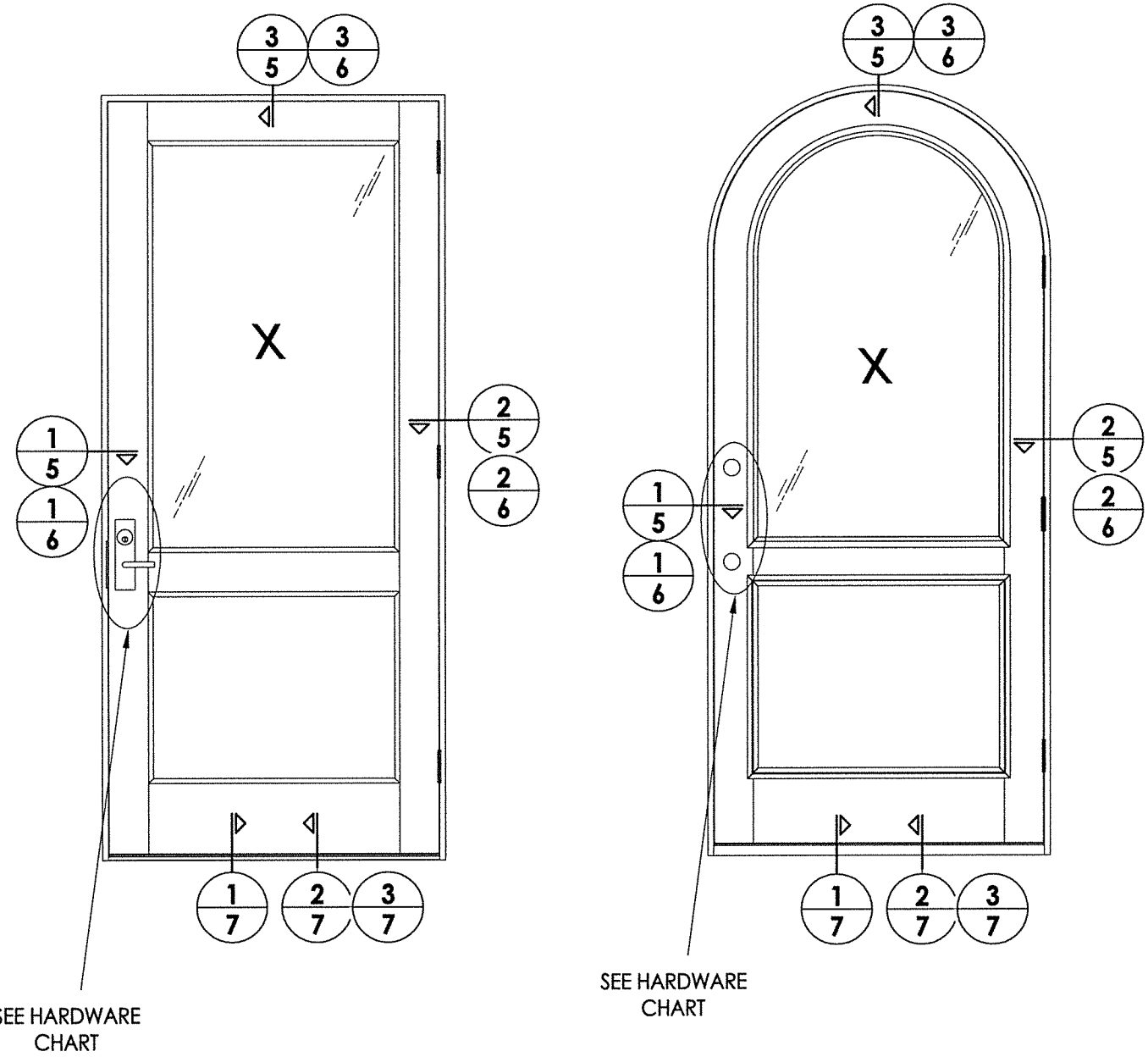
PRODUCT:
SOUTHEASTERN SASH & DOOR
WOOD DOOR

PART OR ASSEMBLY:
DOOR PANEL
DETAILS

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

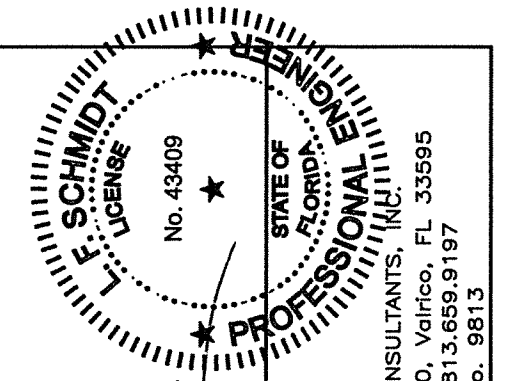
DATE: 5/10/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-22347.1
SHEET 3 OF 10

© 2017 R.W. BUILDING CONSULTANTS INC.



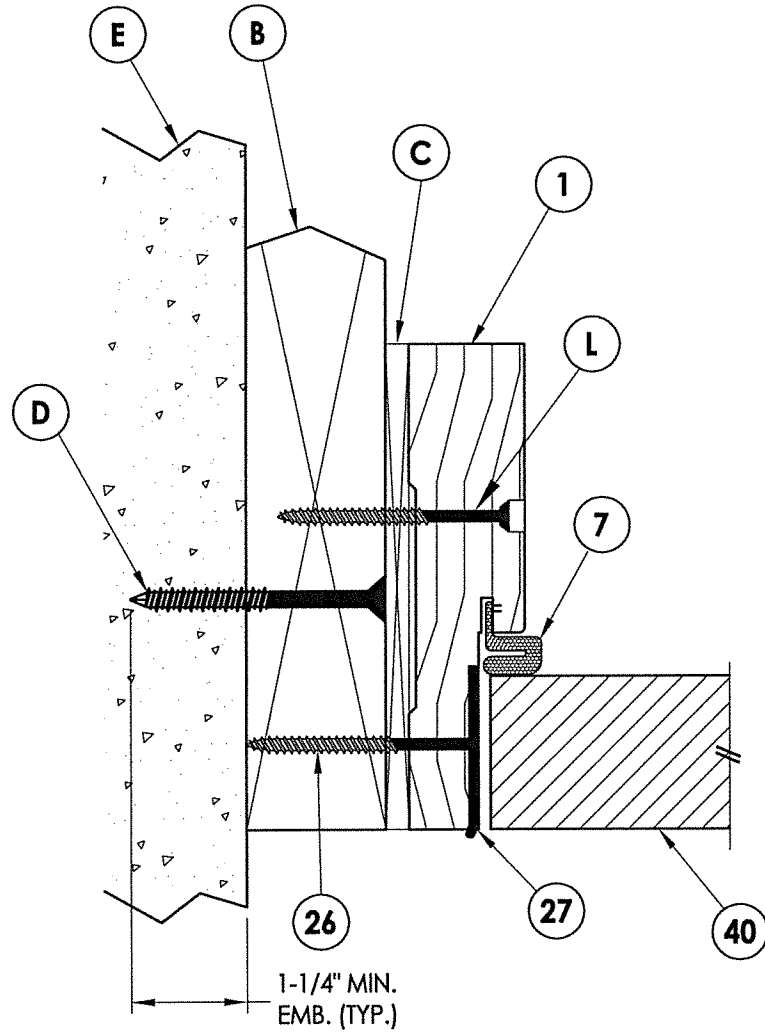
SOUTHEASTERN SASH & DOOR Door Panel Options
 Panel options shown are for illustration and are representative only.
 Surface applied muntins are used for simulated divided lifes shown.

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

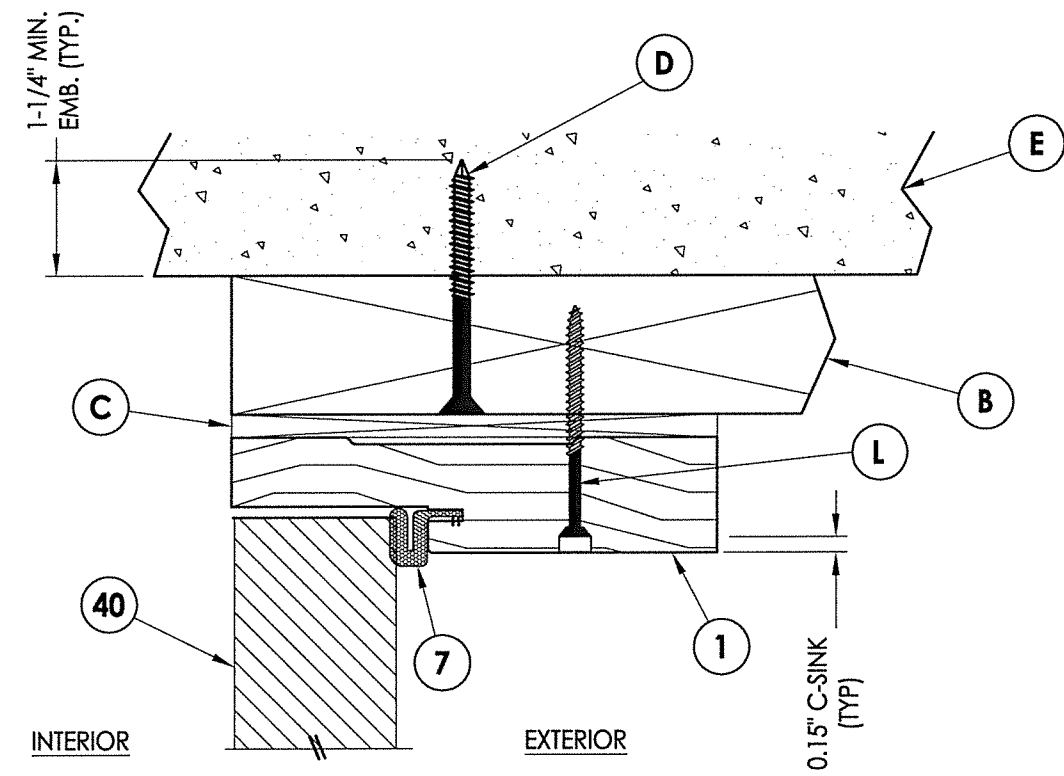


October 12, 2017
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409
 R.W. BUILDING CONSULTANTS, INC.
 P.O. Box 230, Vairico, FL 33595
 Phone No.: 813.659.9197
 FBPE C.A. No. 9813

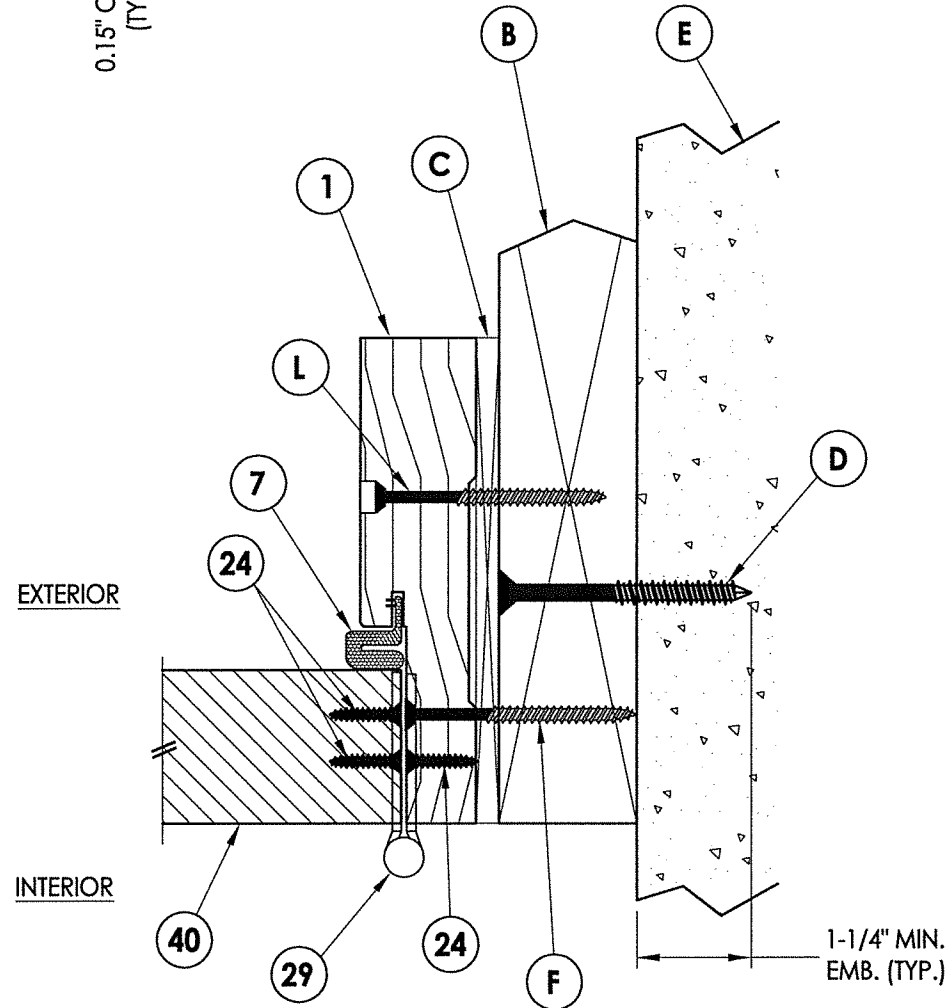
PRODUCT: SOUTHEASTERN SASH & DOOR WOOD DOOR		PART OR ASSEMBLY: ELEVATIONS	
DATE	NO.	BY	REVISIONS
10/12/17	1	LFS	UPDATE TO 6TH ED. (2017) FBC
DATE: 5/10/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-22347.1			
SHEET 4 OF 10			



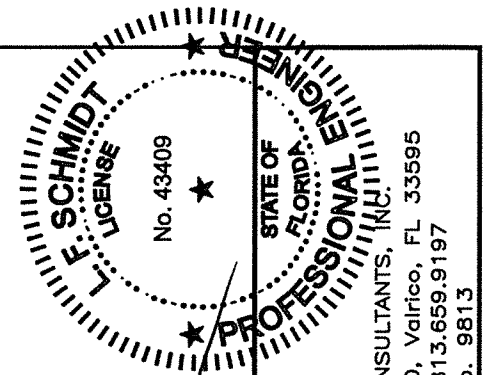
1 HORIZONTAL CROSS SECTION
5 Shown w/ 2X Buck
 Inswing shown (Outswing similar)



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)



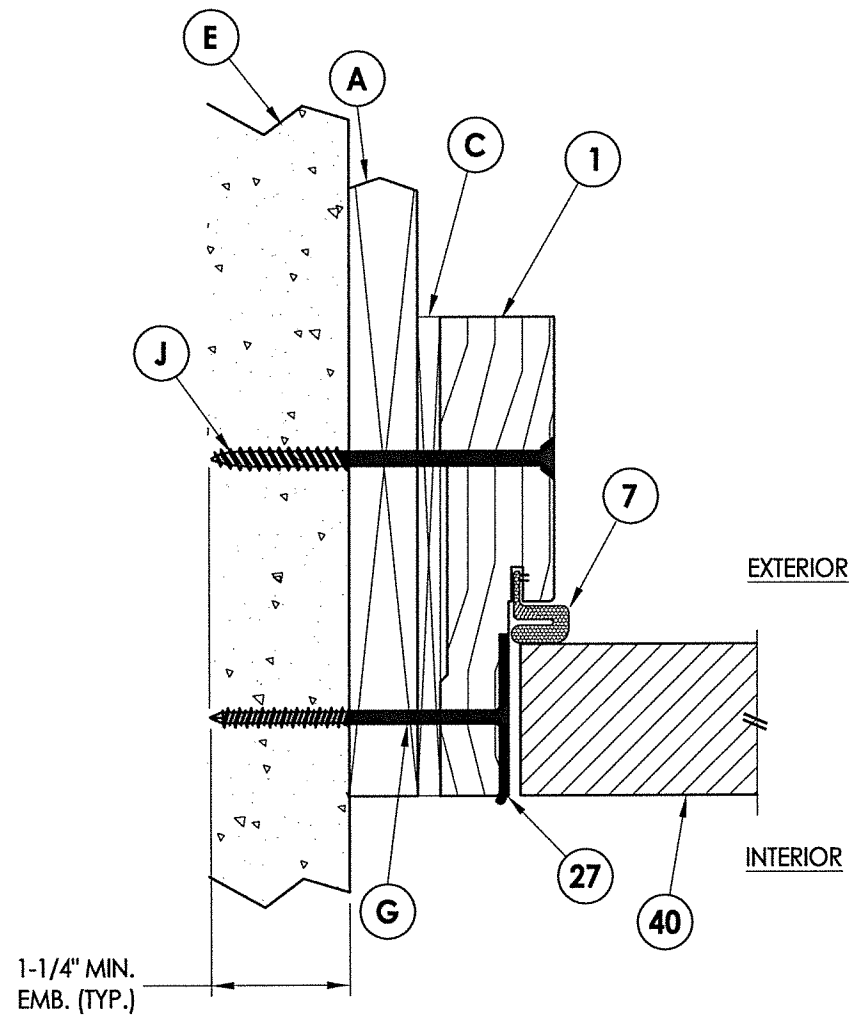
October 12, 2017
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409

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

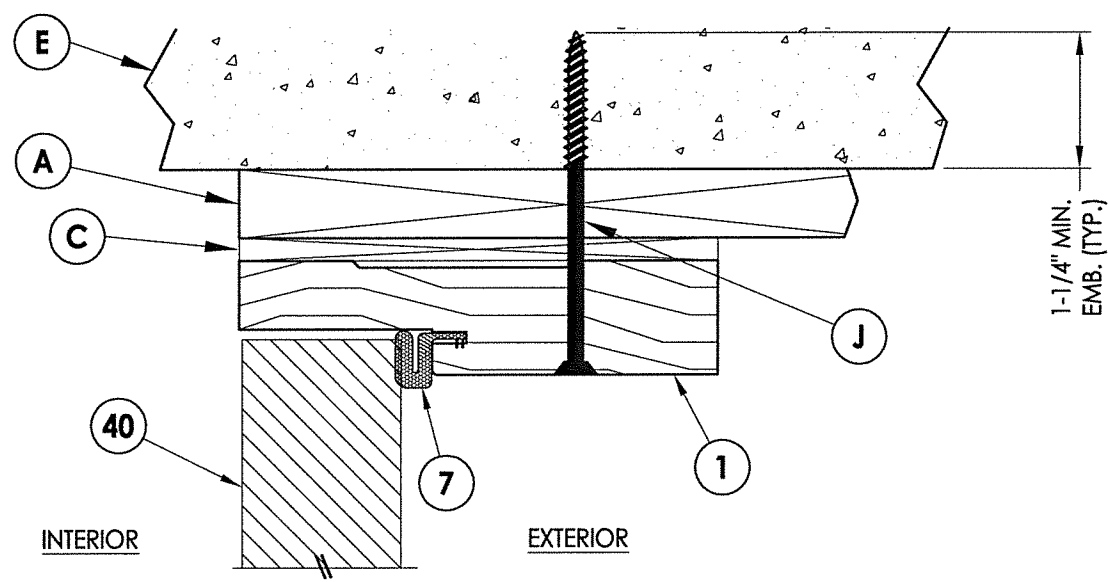
PRODUCT:
 SOUTHEASTERN SASH & DOOR
 WOOD DOOR
 PART OR ASSEMBLY:
 HORIZONTAL & VERTICAL
 CROSS SECTIONS (2X BUCK)

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

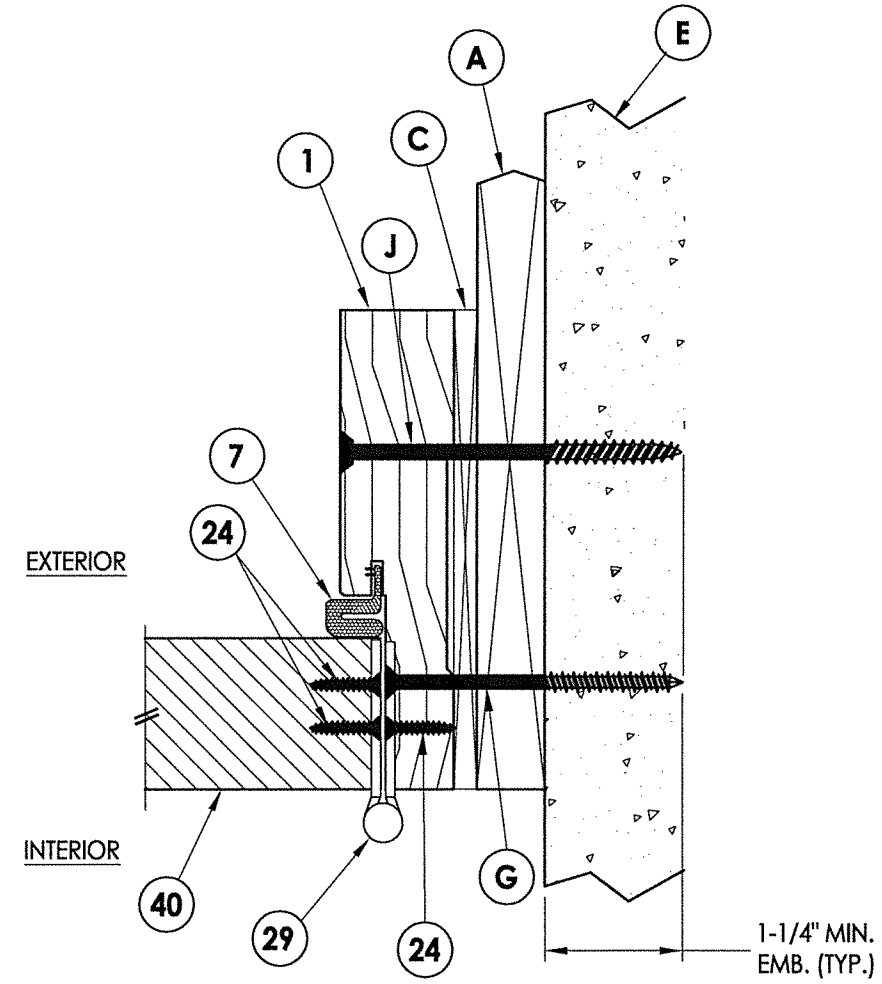
DATE: 5/10/17
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: FL-22347.1
 SHEET 5 OF 10



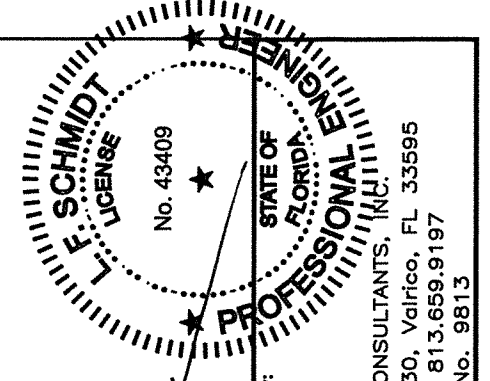
1 **HORIZONTAL CROSS SECTION**
6 Shown w/ 1X sub-buck
 Inswing shown (Outswing similar)



3 **VERTICAL CROSS SECTION**
6 Shown w/ 1X sub-buck
 Inswing shown (Outswing similar)



2 **HORIZONTAL CROSS SECTION**
6 Shown w/ 1X sub-buck
 Inswing shown (Outswing similar)

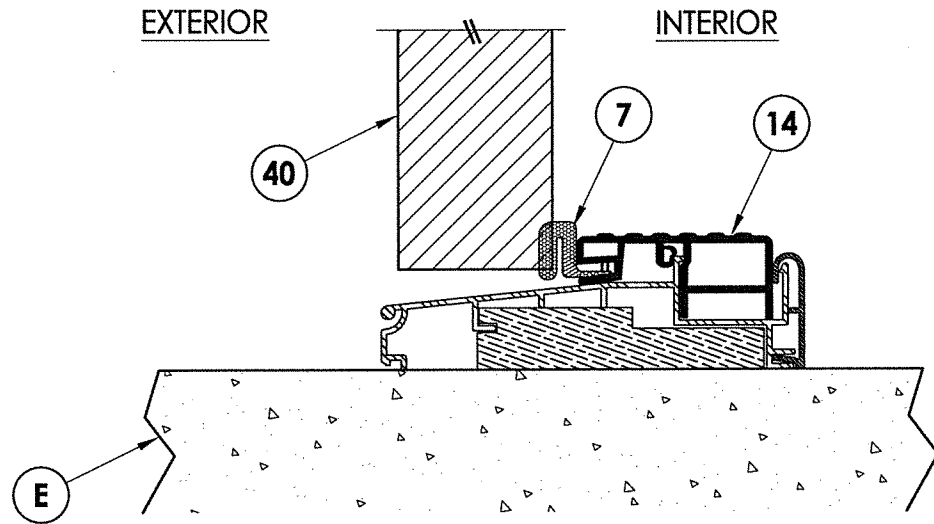


October 12, 2017
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230, Vairico, FL 33595
 Phone No.: 813.659.9197
 FBPE C.A. No. 9813

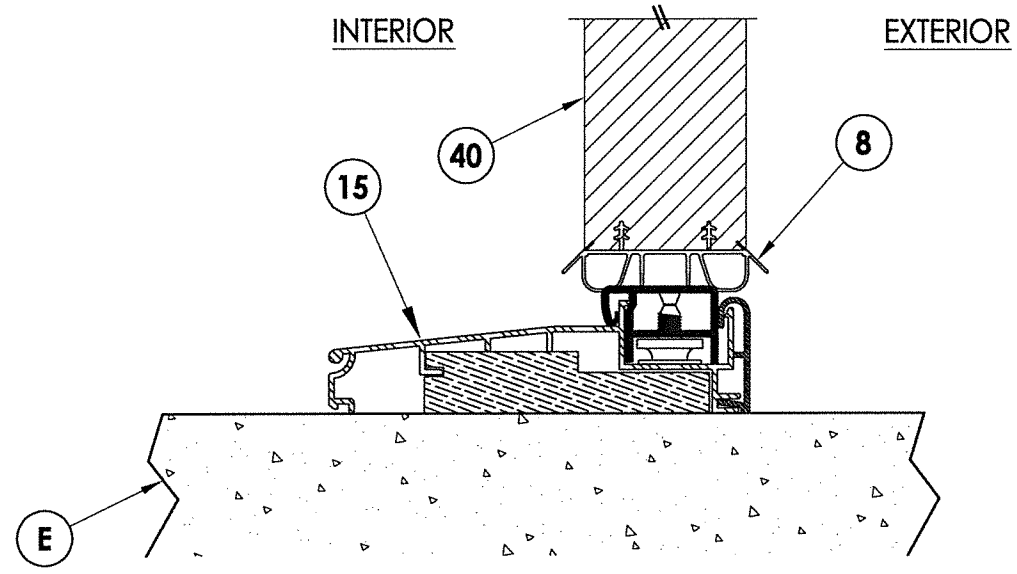
PRODUCT: SOUTHEASTERN SASH & DOOR WOOD DOOR
 PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)

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

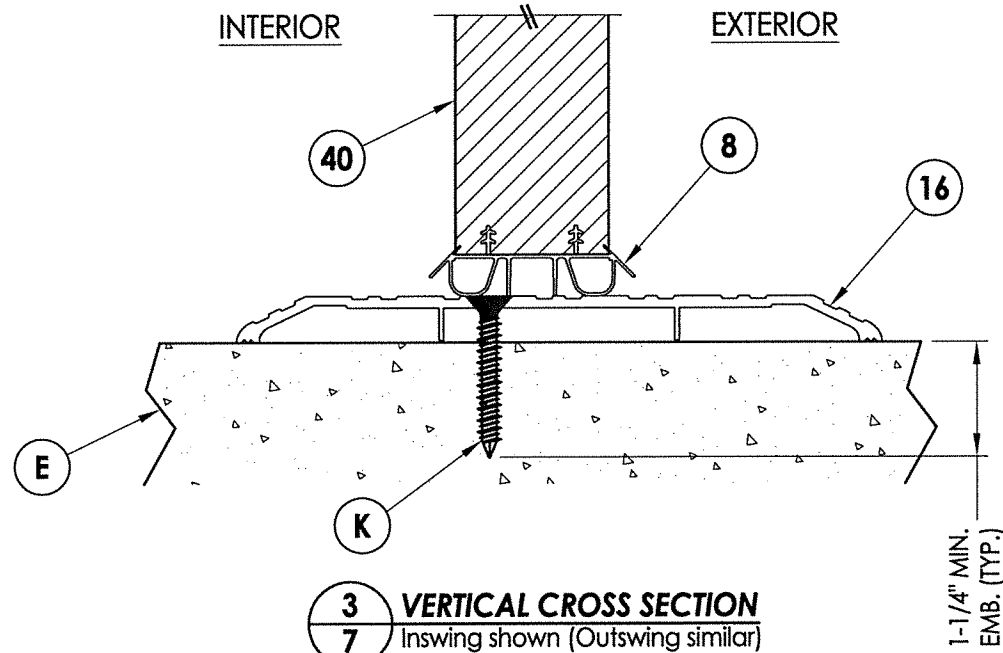
DATE: 5/10/17
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: FL-22347.1
 SHEET 6 OF 10



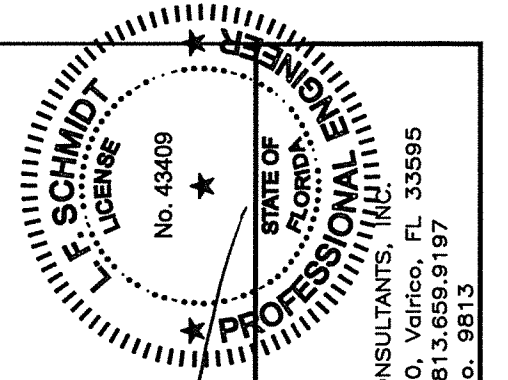
1 VERTICAL CROSS SECTION
7 Outswing



2 VERTICAL CROSS SECTION
7 Inswing



3 VERTICAL CROSS SECTION
7 Inswing shown (Outswing similar)



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

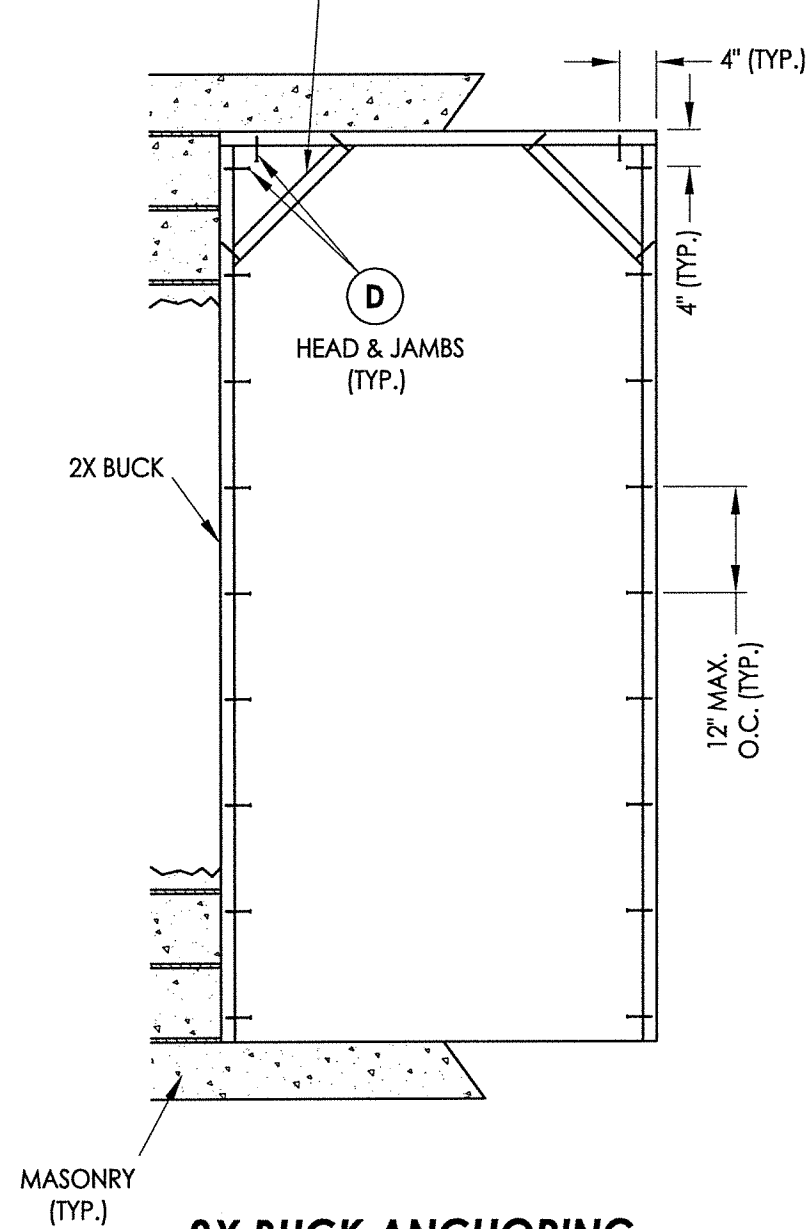
PRODUCT:
 SOUTHEASTERN SASH & DOOR
 WOOD DOOR
 PART OR ASSEMBLY:
 VERTICAL CROSS
 SECTIONS (THRESHOLDS)

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

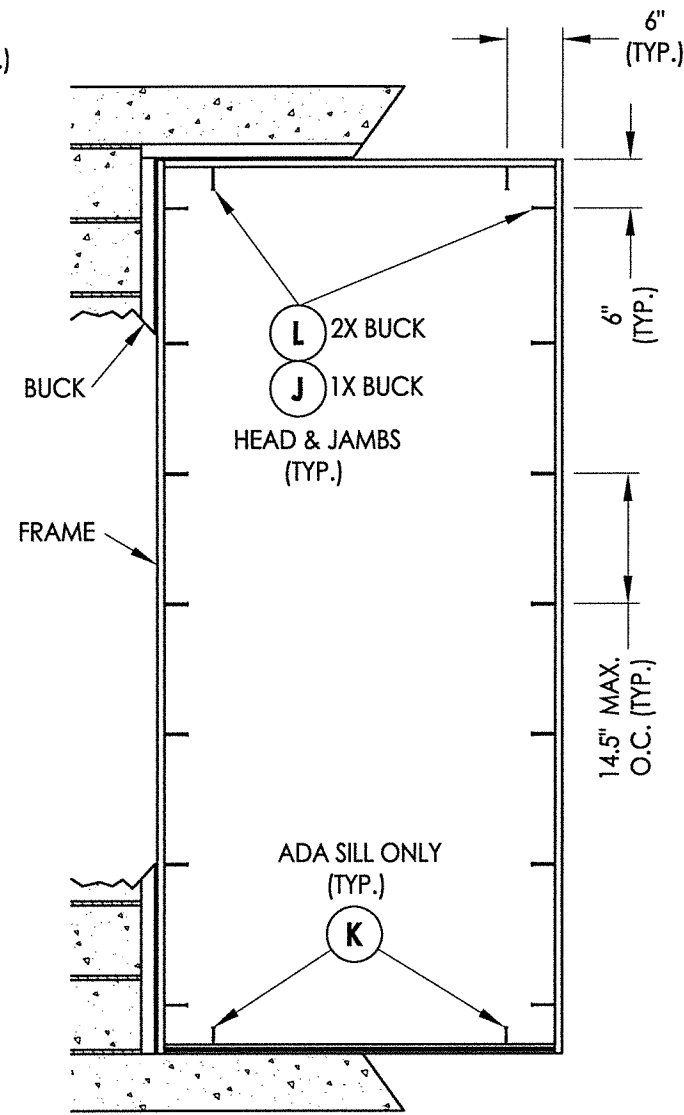
DATE: 5/10/17
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: FL-22347.1
 SHEET 7 of 10

R:\Clients\Southeastern Sash & Door\A - Florida Product Approvals\FL-22347\A - Drawings\FL-22347\1-3.dwg, 8.1

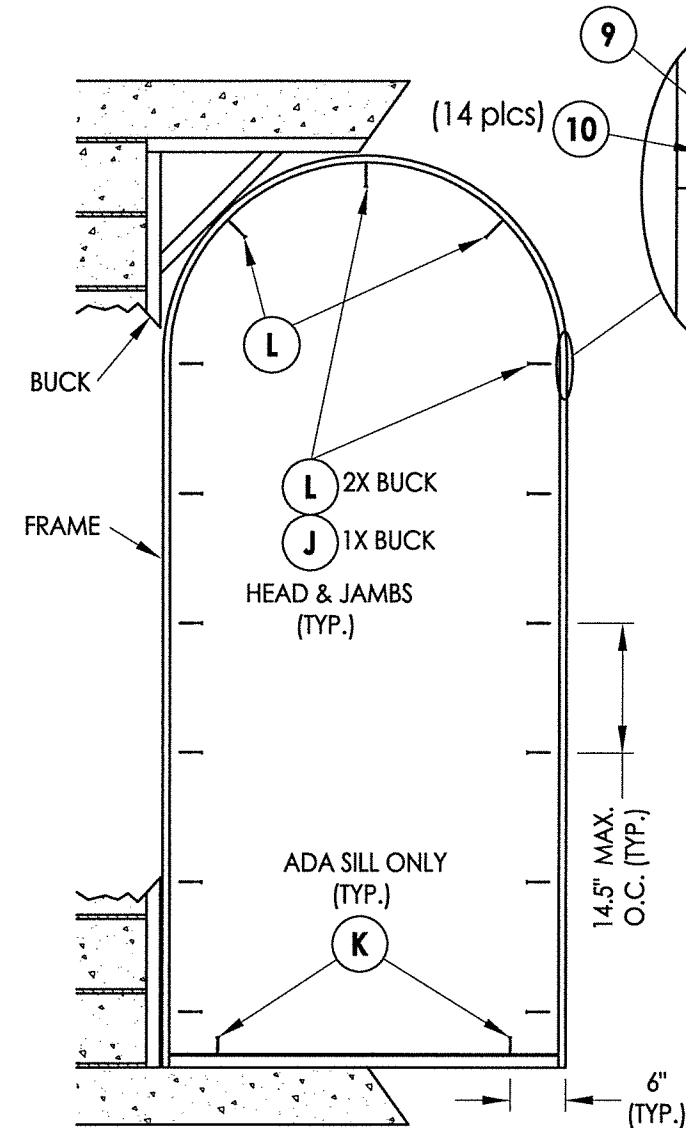
2X FRAMING (No. 2 SYP) ATTACHED
w/ (2) #10 x 3" WOOD SCREWS @
EACH END (TYP.)



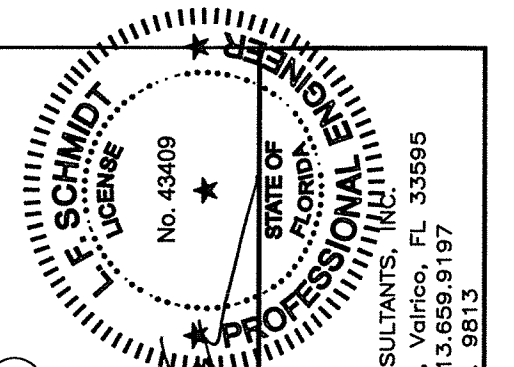
2X BUCK ANCHORING



FRAME ANCHORING



FRAME ANCHORING



October 12, 2017
 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

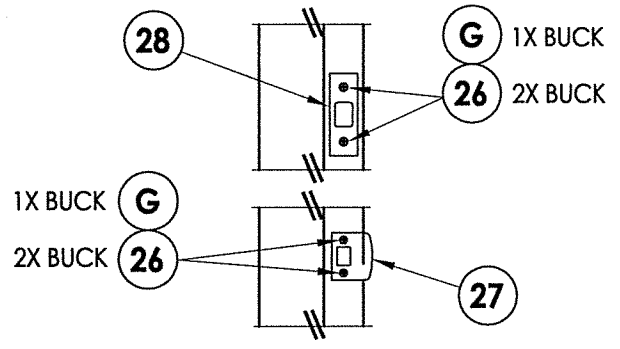
PRODUCT: SOUTHEASTERN SASH & DOOR WOOD DOOR
 PART OR ASSEMBLY: BUCK & FRAME ANCHORING

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

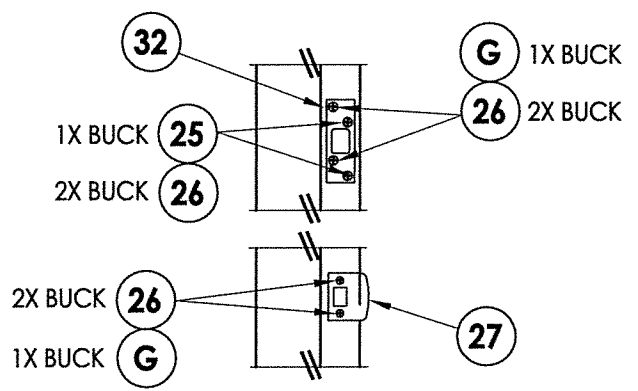
DATE: 5/10/17
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: FL-22347.1
 SHEET 8 of 10

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

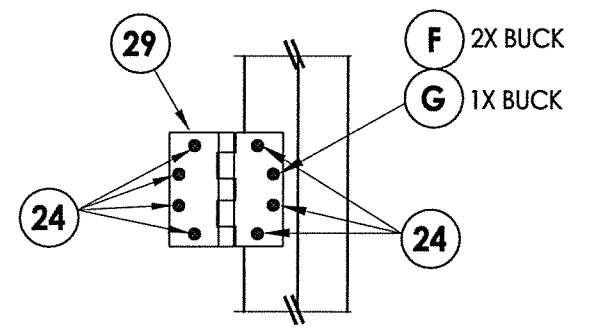
© 2017 R.W. BUILDING CONSULTANTS INC.



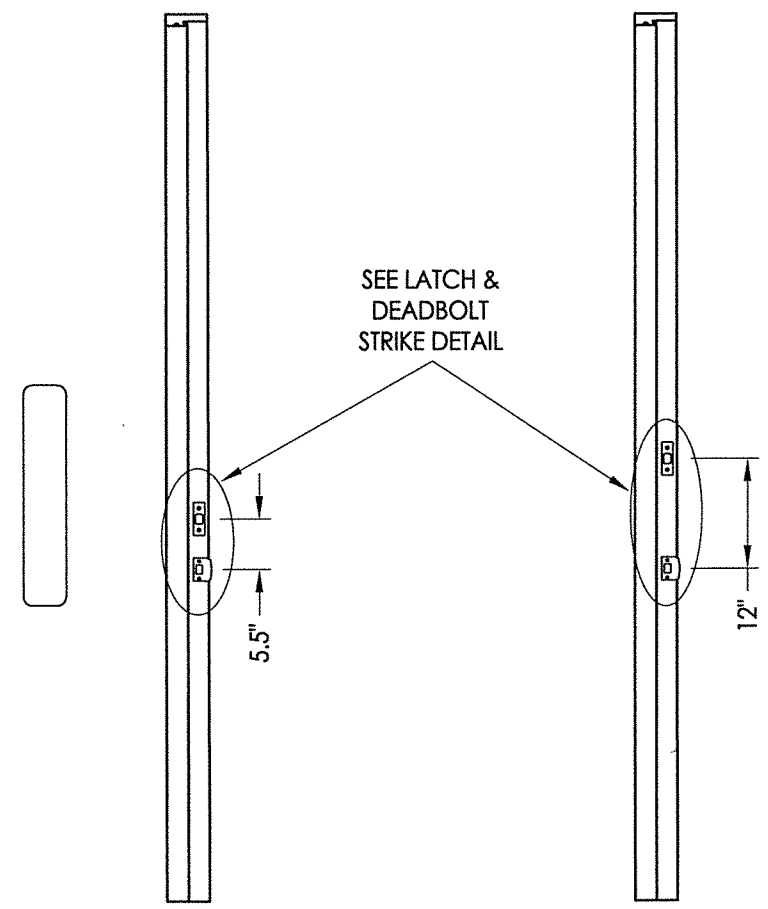
LATCH & DEADBOLT STRIKE DETAIL
SCHLAGE



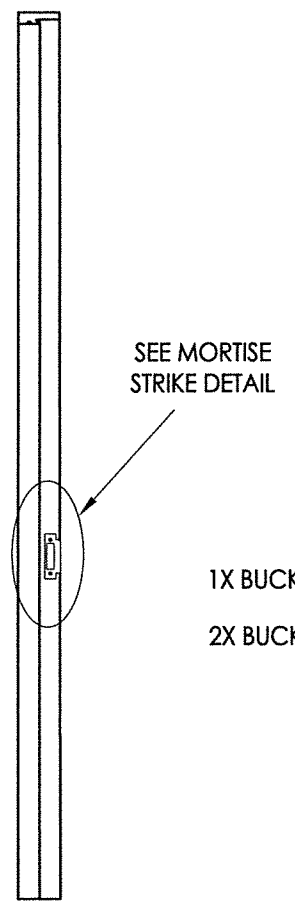
LATCH & DEADBOLT STRIKE DETAIL
KWIKSET



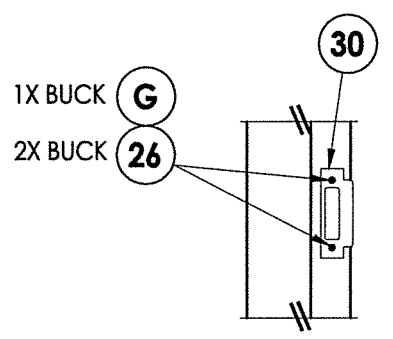
HINGE DETAIL



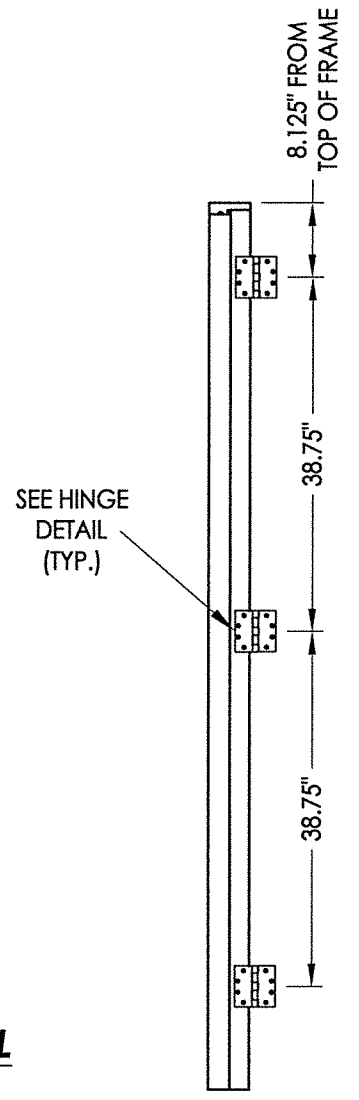
LATCH & DEADBOLT DETAILS



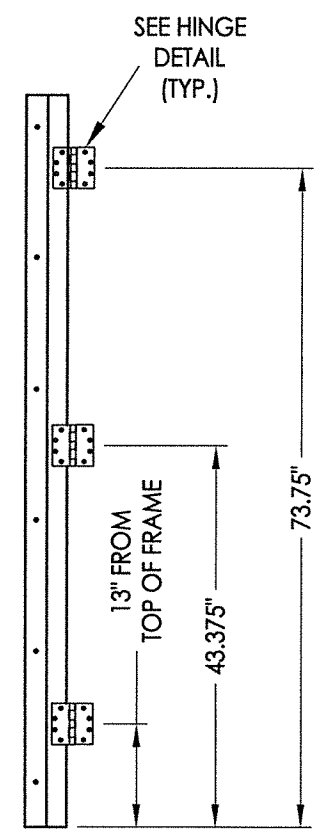
MORTISE LOCK DETAILS



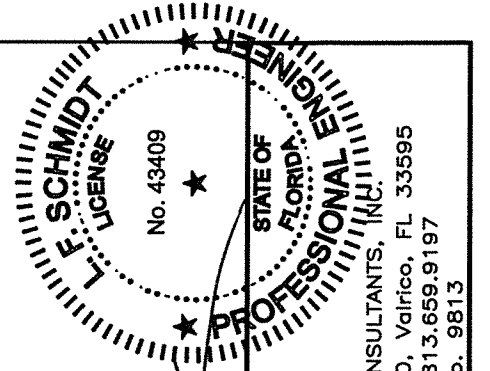
MORTISE STRIKE DETAIL



HINGE JAMB



HINGE JAMB
(Arch top Door)



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

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

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

DATE: 5/10/17
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.:
 FL-22347.1
 SHEET 9 of 10

R:\Clients\Southeastern Sash & Door\A - Florida Product Approvals\FL-22347C - Drawings\FL-22347 (2017)\FL-22347-1-3.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)

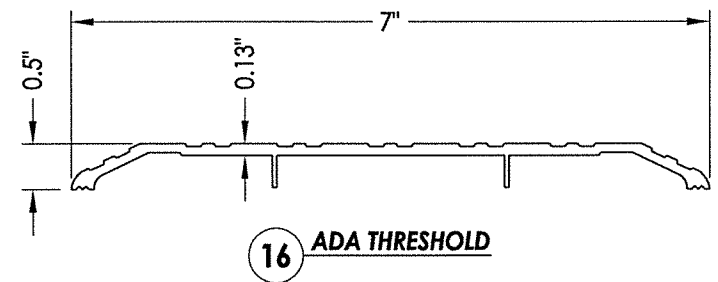
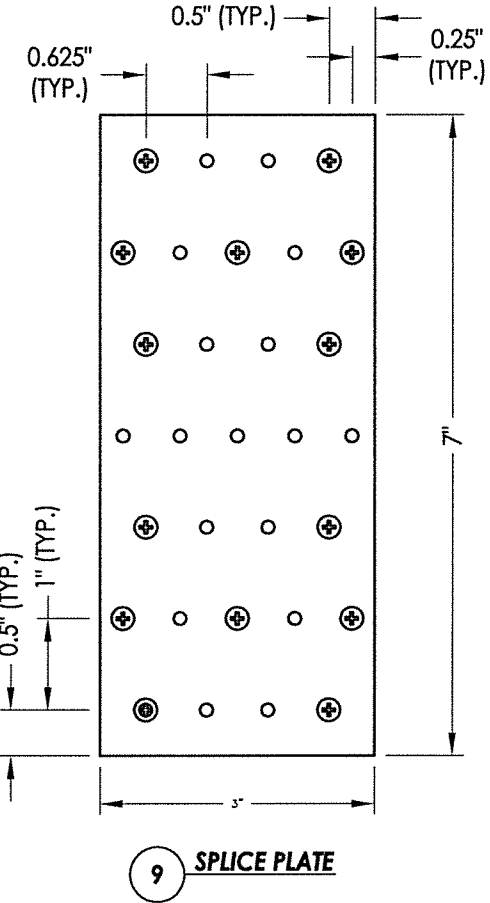
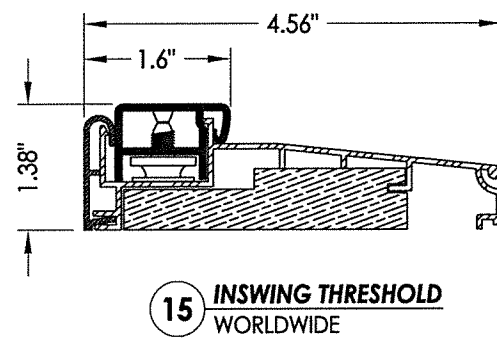
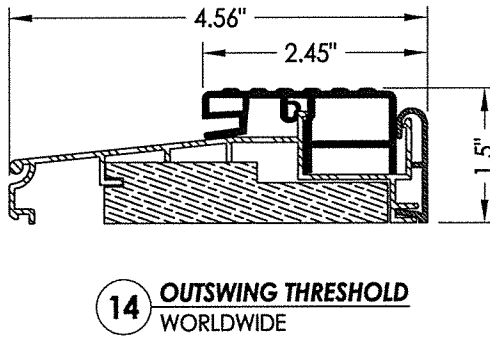
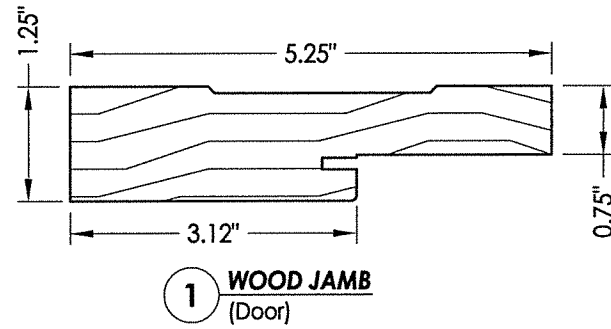
CONCRETE ANCHOR NOTES:

- 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.



STATE OF FLORIDA
PROFESSIONAL ENGINEER
L. F. SCHMIDT
 License No. 43409

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: BILL OF MATERIALS & COMPONENTS	
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-22347.1		SHEET 10 OF 10	