

MILLWORK ARTISANS

145 KING STREET
CHARLESTON, SC 29401

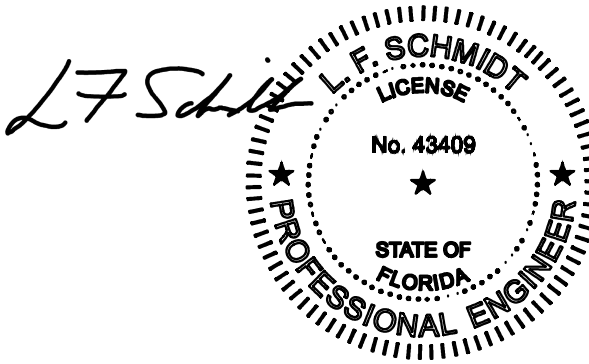
OPAQUE OR GLAZED
WOOD DOUBLE DOOR

INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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.

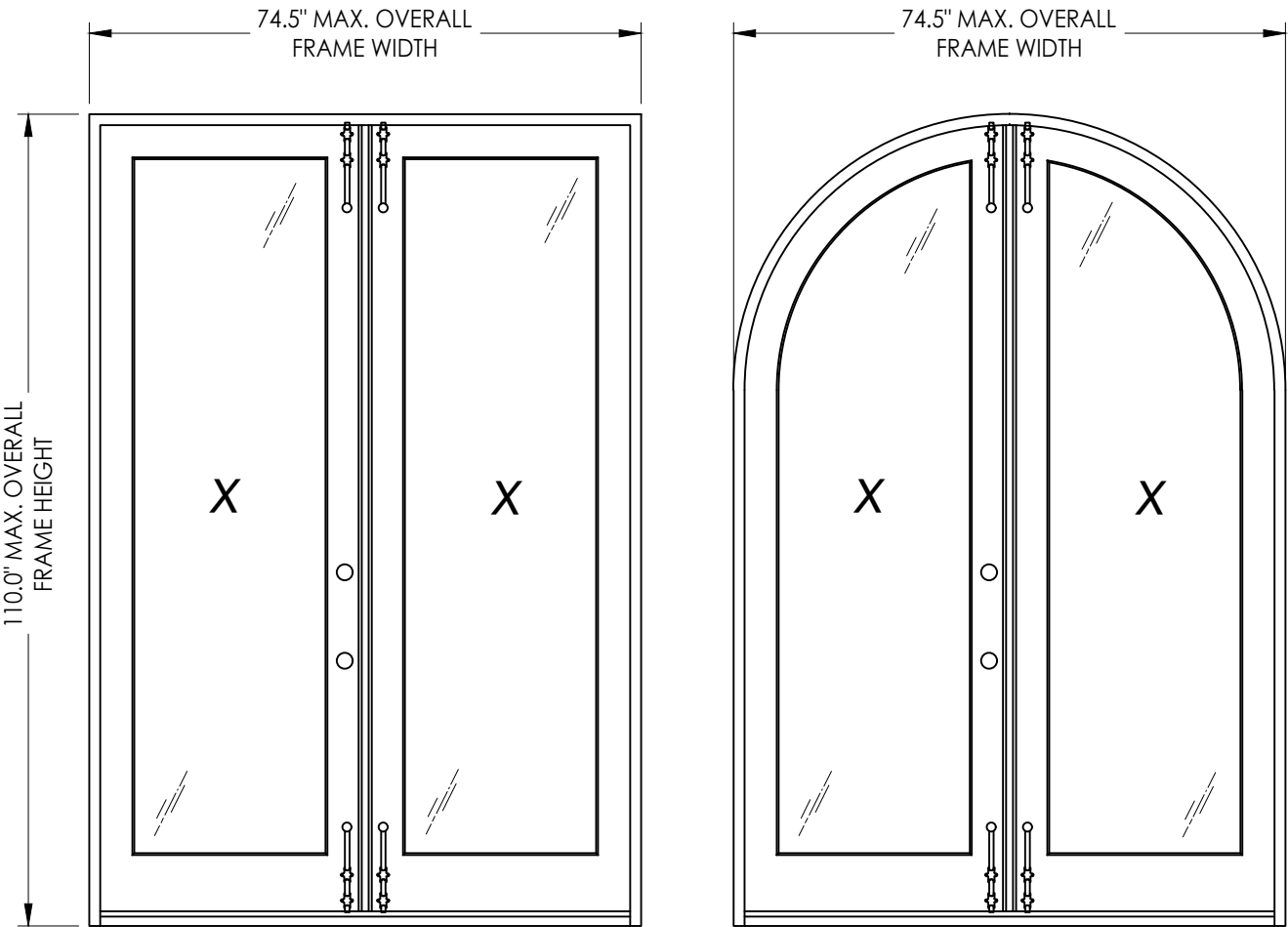
TABLE OF CONTENTS	
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2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck & frame anchoring
6	Buck & frame anchoring
7	Surface bolt details
8	Bill of materials and components



Digitally signed by
Lyndon F Schmidt
Date: 2023.09.14
13:43:00 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



FULL GLAZED PANELS SHOWN

MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING		LOCK HARDWARE * (Active Door)
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE	
74.5" x 110.0"	+60.0	-65.0	+60.0	-60.0	Kwikset Knob & Deadbolt
74.5" x 110.0"	+60.0	-65.0	+60.0	-60.0	Surface Bolts

* NOTE: Surface bolts are always required on inactive door.

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:

MILLWORK ARTISANS
WOOD DOOR

PART OR ASSEMBLY:

TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS				
		BY	JK	JK	JK	JK
5	9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS		
4	9/29/20	UPDATE TO 7TH ED. (2020)	FBC	LFS		
3	10/3/17	UPDATE TO 6TH ED. (2017)	FBC	JK		
2	4/6/15	UPDATE TO 5TH ED. (2014)	FBC	JK		
1	4/4/12	UPDATE TO 2010 FBC		JK		

DATE: 08/24/11

SCALE: N.T.S.

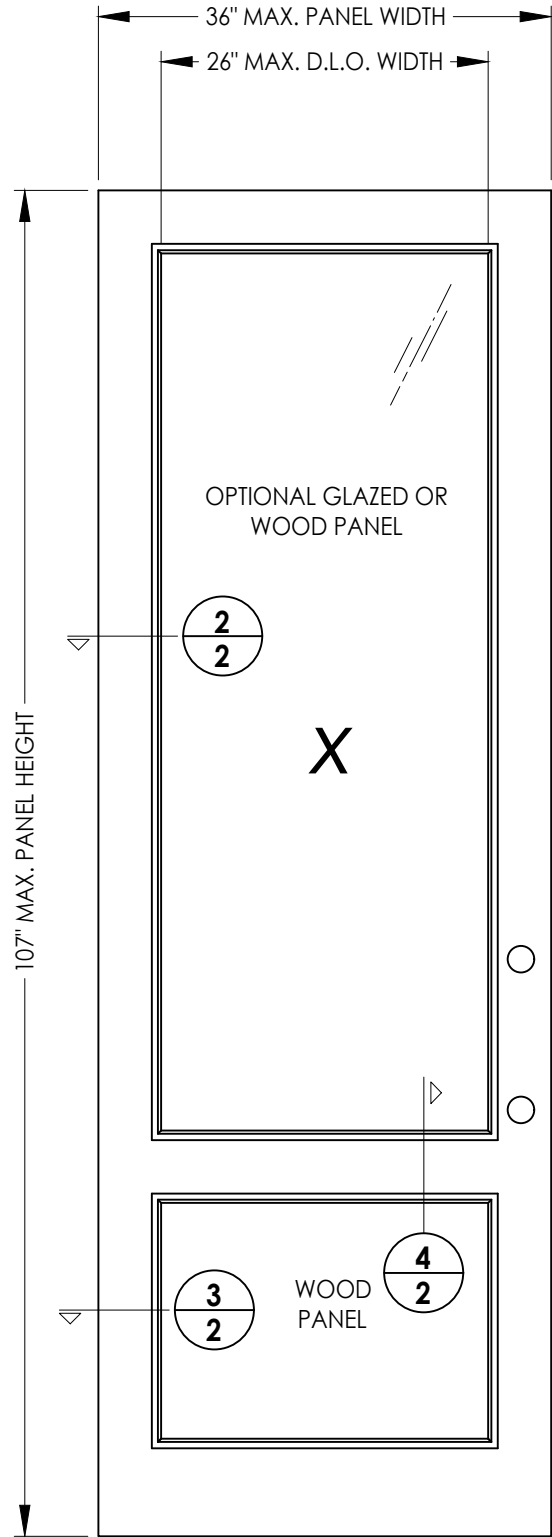
DWG. BY: JK

CHK. BY: LFS

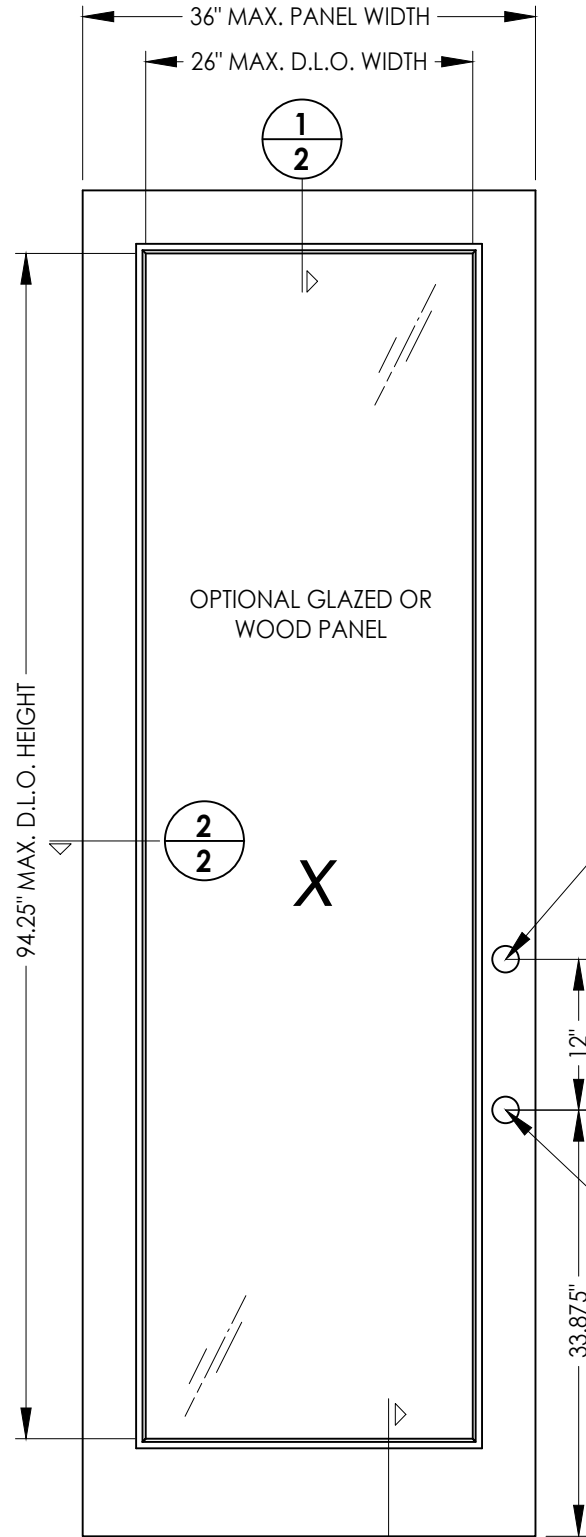
DRAWING NO.:
FL-14763.2

SHEET 1 OF 8

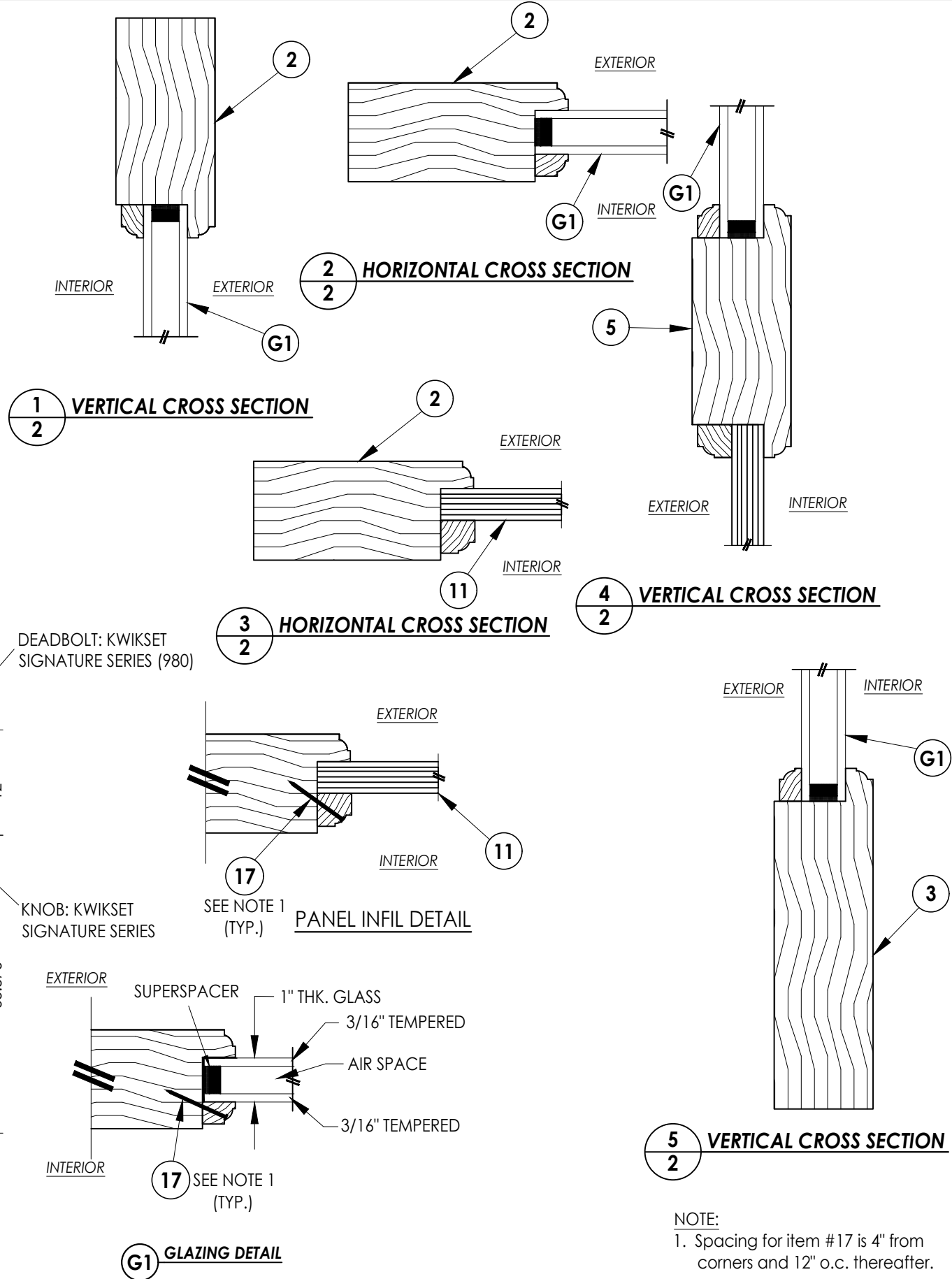
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



40 **WOOD DOOR**
Wood panels

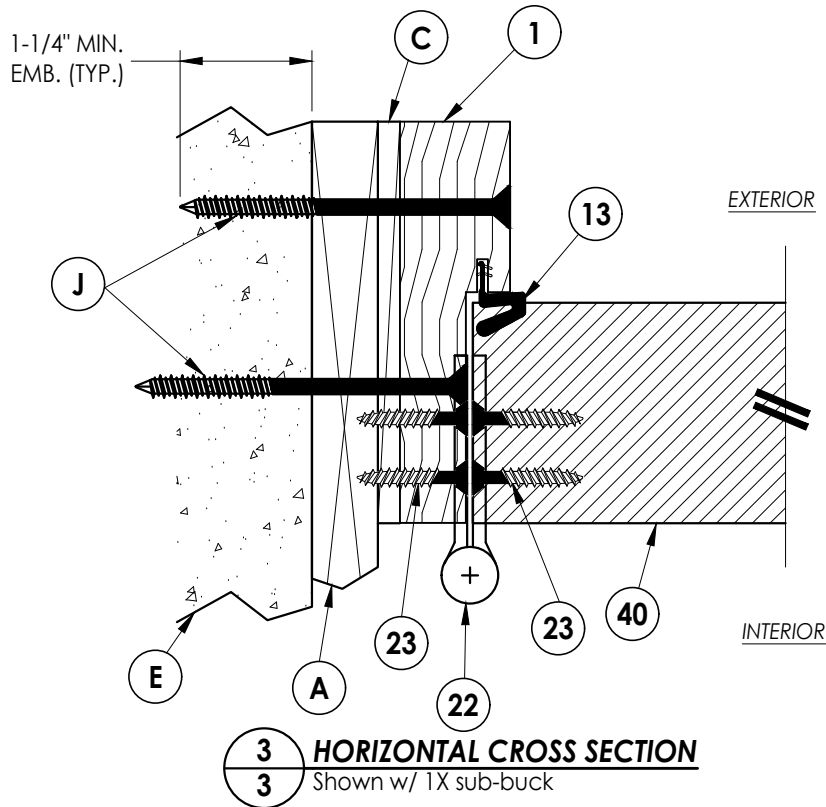
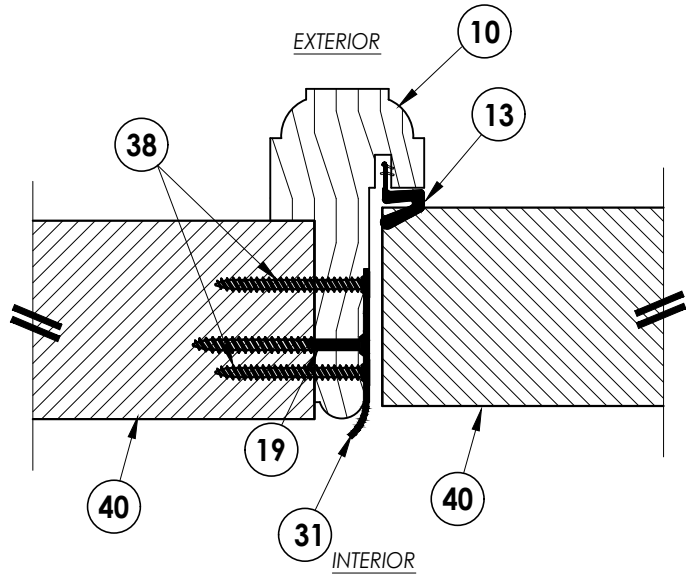
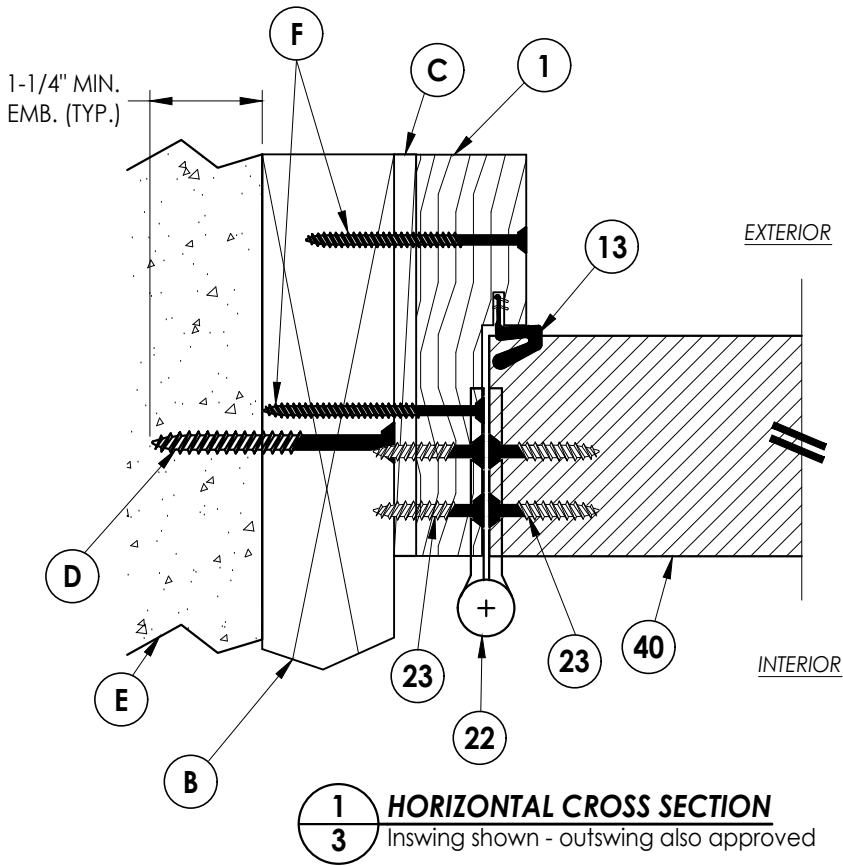
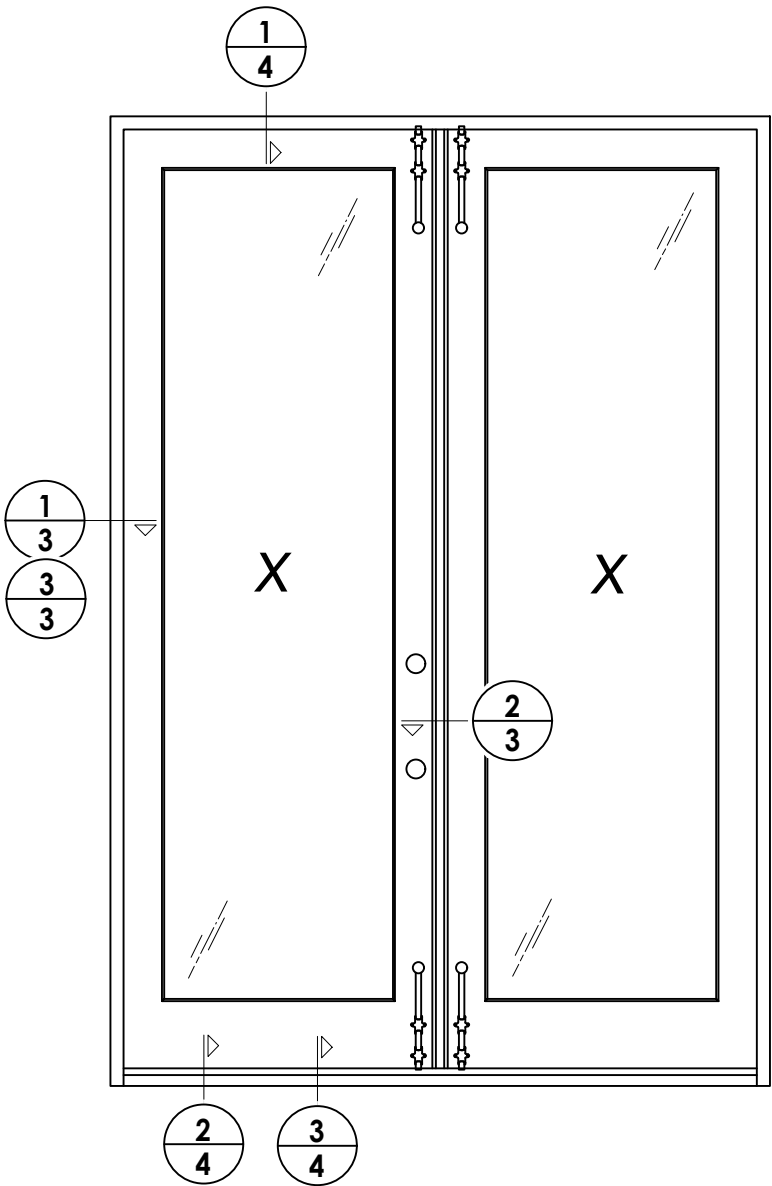


40 **WOOD DOOR**
Full glazed



NOTE:
1. Spacing for item #17 is 4" from corners and 12" o.c. thereafter.

DATE: 08/24/11		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		MILLWORK ARTISANS		Lyndon F. Schmidt	
DWG. BY: JK		WOOD DOOR		P.E. No. 43409	
CHK. BY: LFS		PART OR ASSEMBLY:		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DRAWING NO.: FL-14763.2		DOOR PANEL DETAILS			
SHEET 2 OF 8		LFS			
		LFS			
		JK			
		JK			
		JK			
		BY			
		REVISIONS			

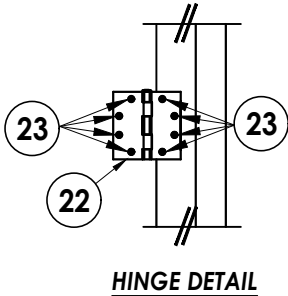


PRODUCT:				MILLWORK ARTISANS WOOD DOOR				PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
DATE: 08/24/11				SCALE: N.T.S.				DWG. BY: JK				CHK. BY: LFS			
DRAWING NO.: FL-14763.2				DWG. BY: JK				CHK. BY: LFS				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
SHEET 3 OF 8				DWG. BY: JK				CHK. BY: LFS				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
DATE: 08/24/11				SCALE: N.T.S.				DWG. BY: JK				CHK. BY: LFS			
DRAWING NO.: FL-14763.2				DWG. BY: JK				CHK. BY: LFS				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
SHEET 3 OF 8				DWG. BY: JK				CHK. BY: LFS				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			

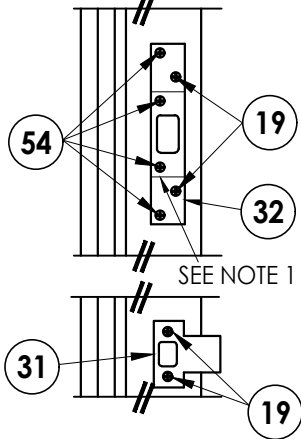
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. 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"
DeWALT ULTRAACON®	1/4"	1-1/4"	1"	4"

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



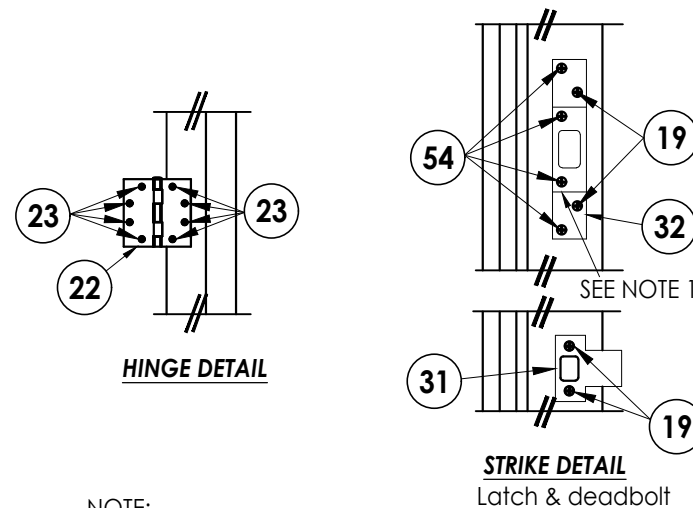
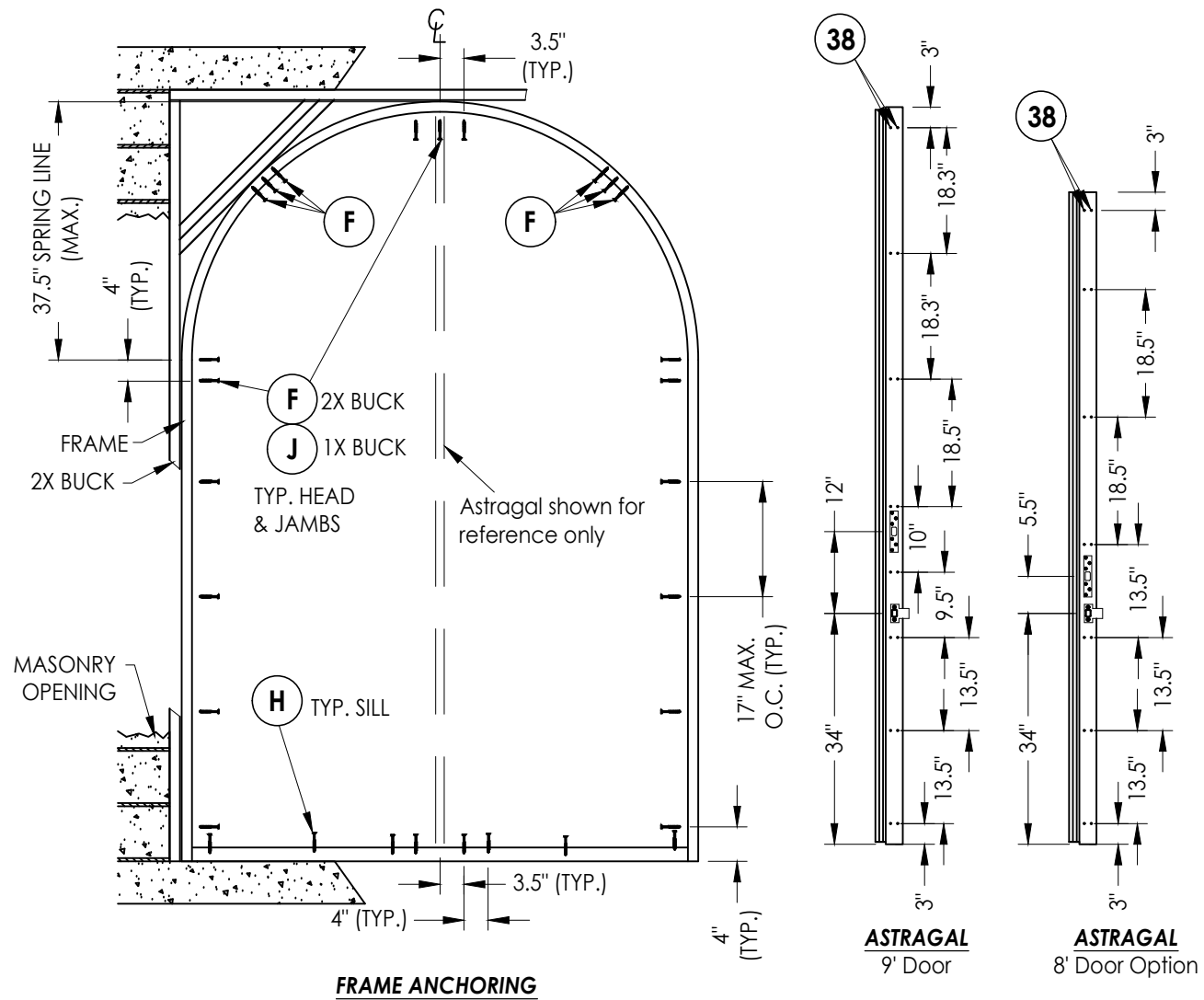
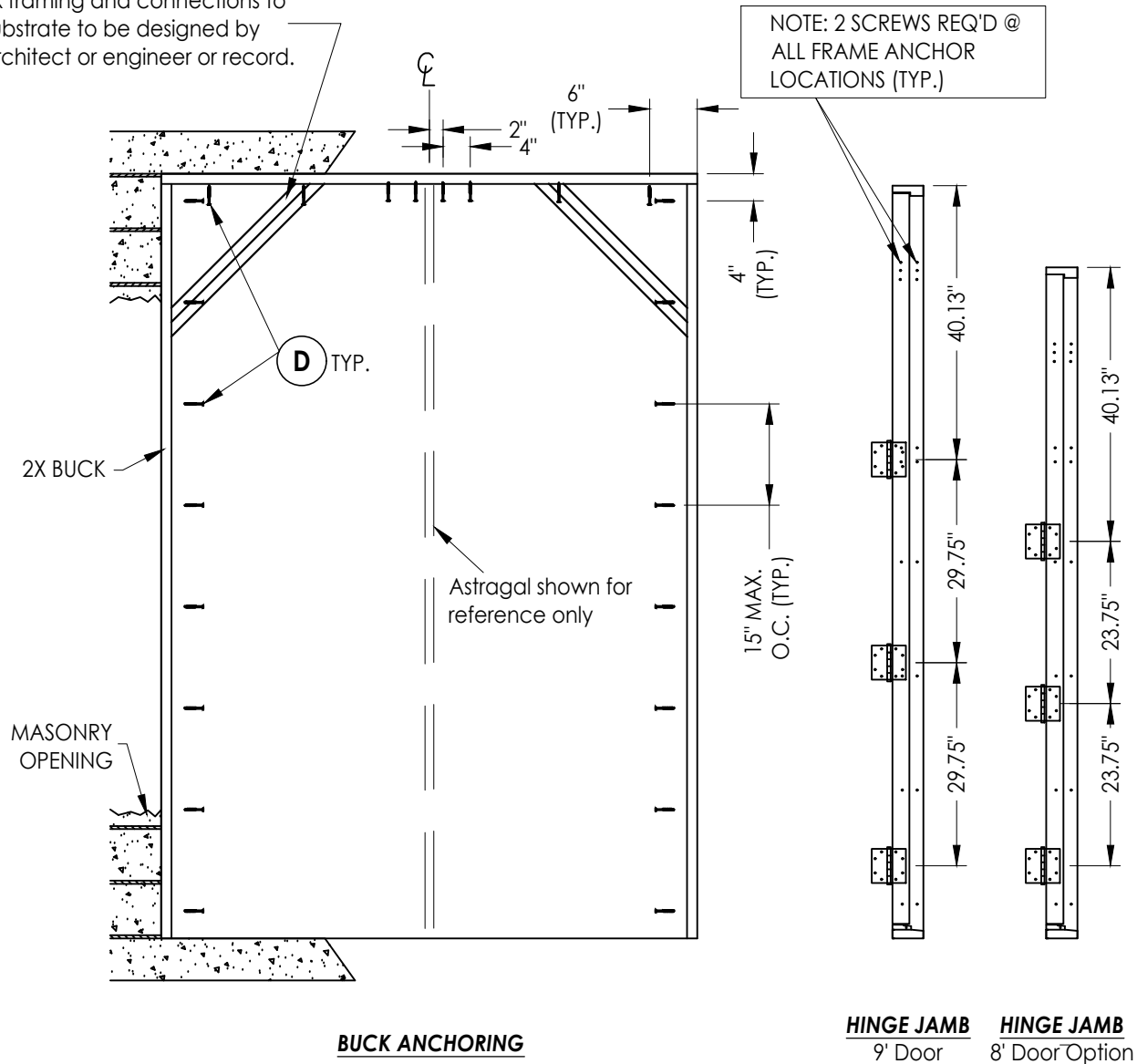
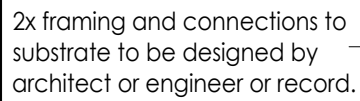
HINGE DETAIL



STRIKE DETAIL
Latch & deadbolt

1. Deadbolt reinforcing plate (1-1/8" x 2-3/4" x 0.12" thick) is required behind strike plate (item #32).

PRODUCT:		MILLWORK ARTISANS WOOD DOOR		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PART OR ASSEMBLY:		BUCK & FRAME ANCHORING			
5	9/14/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
4	9/29/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS
3	10/3/17	UPDATE TO 6TH ED.	(2017)	FBC	JK
2	4/6/15	UPDATE TO 5TH ED.	(2014)	FBC	JK
1	4/4/12	UPDATE TO 2010 FBC			JK
NO.	DATE				BY
REVISIONS					
DATE: 08/24/11					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-14763.2					
SHEET 5 OF 8					



NOTE:

1. Deadbolt reinforcing plate (1-1/8" x 2-3/4" x 0.12" thick) is required behind strike plate (item #32).

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"
DeWALT ULTRA CON®	1/4"	1-1/4"	1"	4"

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.

	5	9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
	4	9/29/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
	3	10/3/17	UPDATE TO 6TH ED. (2017)	FBC	JK
	2	4/6/15	UPDATE TO 5TH ED. (2014)	FBC	JK
	1	4/4/12	UPDATE TO 2010 FBC		JK
NO.		DATE	REVISIONS		

DATE: 08/24/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

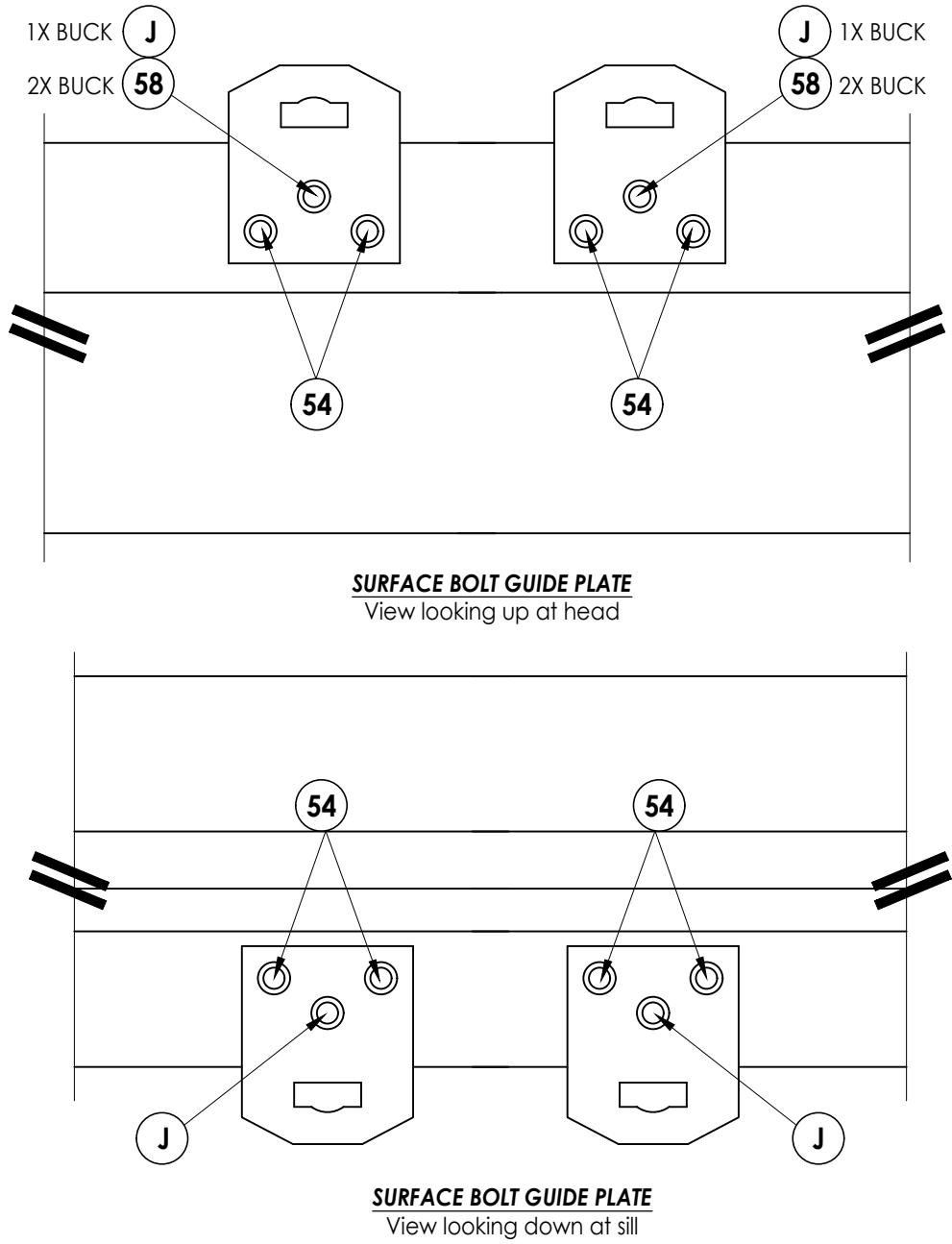
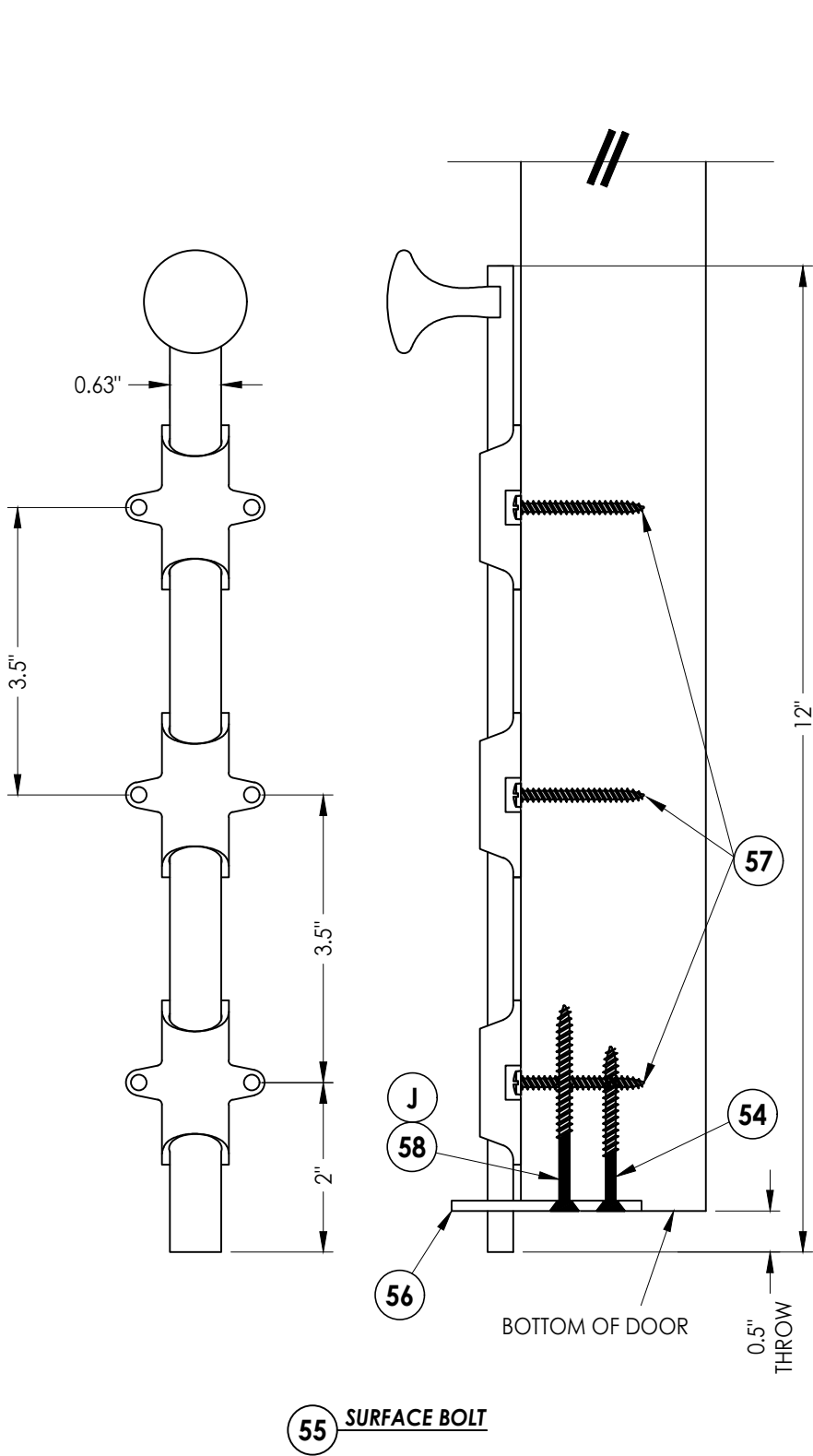
FL-14763.2

SHEET 6 OF 9

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

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

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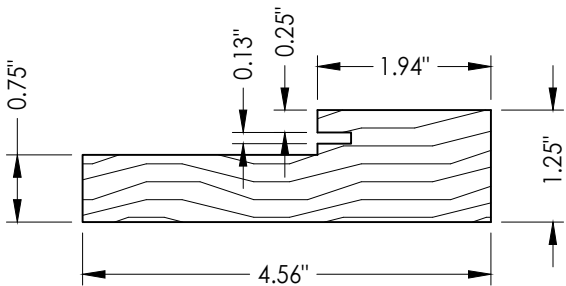
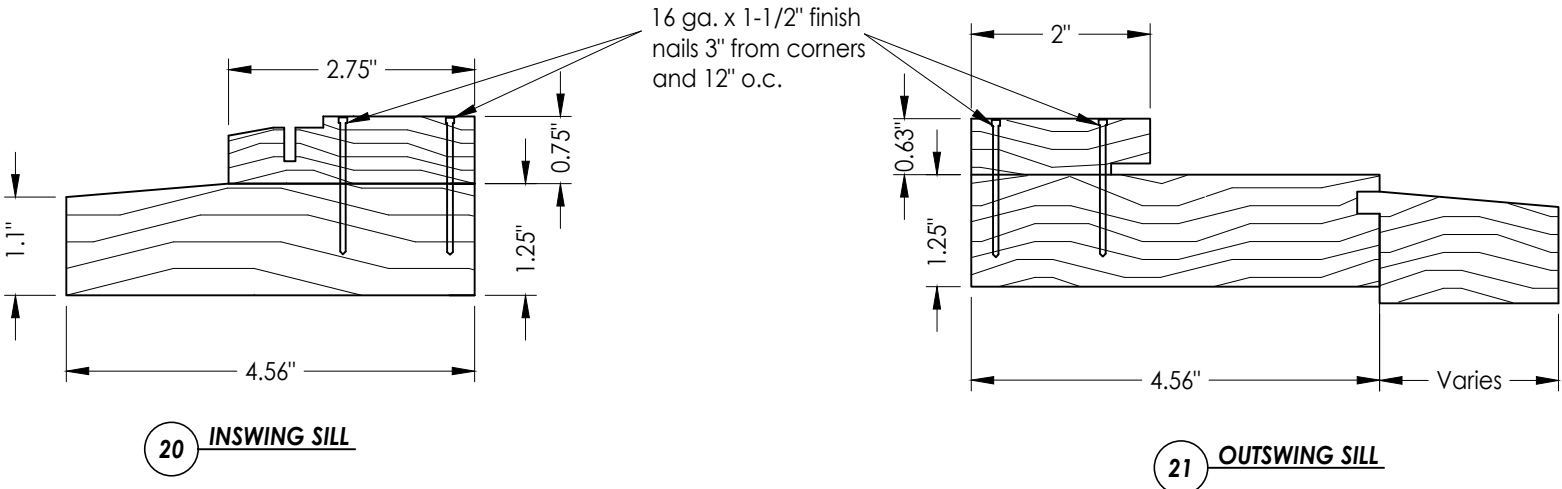


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: MILLWORK ARTISANS WOOD DOOR		PART OR ASSEMBLY: SURFACE BOLT DETAILS	
5	9/14/23	UPDATE TO 8TH ED. (2023)	FBC
4	9/29/20	UPDATE TO 7TH ED. (2020)	FBC
3	10/3/17	UPDATE TO 6TH ED. (2017)	FBC
2	4/6/15	UPDATE TO 5TH ED. (2014)	FBC
1	4/4/12	UPDATE TO 2010 FBC	FBC
NO.	DATE	REVISIONS	
DATE: 08/24/11			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14763.2			
SHEET 7 OF 8			

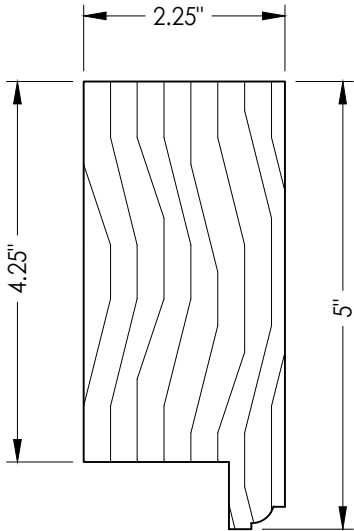
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK G >= 0.55	WOOD
B	2X BUCK G >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" FH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#7 X 2-1/2" TRIM SCREW (1-1/4" MIN. EMBEDMENT)	STEEL
H	1/4" X 3-1/4" FH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" FH DeWALT OR ITW CONCRETE SCREW	STEEL
1	HEAD AND SIDE JAMB	WOOD
2	TOP RAIL & STILE	WOOD
3	BOTTOM RAIL	WOOD
5	INTERMEDIATE RAIL	WOOD
10	ASTRAGAL	WOOD
11	PANEL INFIL	WOOD
12	PANEL/GLASS STOPS	WOOD
13	WEATHERSTRIP (QLON)	FOAM
17	23 GA. X 1" FINISH NAIL	STEEL
18	#8 X 1-3/4" FH WOOD SCREW	STEEL
19	#8 X 2" FH WOOD SCREW	STEEL
20	INSWING SILL	WOOD
21	OUTSWING SILL	WOOD
22	5" x 5" HINGE	STEEL
23	#12 X 1-1/4" FH WOOD SCREW	STEEL
31	LATCH STRIKE PLATE	STEEL
32	DEADBOLT STRIKE PLATE (6" LONG SECURITY)	STEEL
38	#7 X 1-5/8" TRIM SCREW	STEEL
40	WOOD DOOR PANEL	-
54	#10 X 2" FH WOOD SCREW	STEEL
55	SURFACE BOLT	STEEL
56	SURFACE BOLT GUIDE PLATE	STEEL
57	#8 X 1-1/2" PPH SMS	STEEL
58	#10 X 2-1/2" PFH WOOD SCREW	STEEL

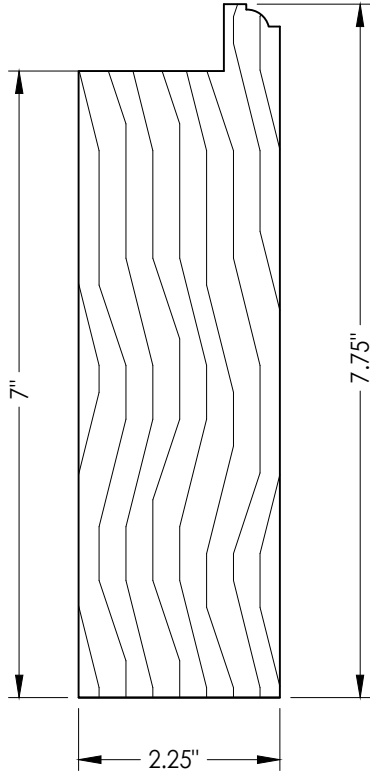
All door components to be Sapele (Specific Gravity = 0.55 minimum).



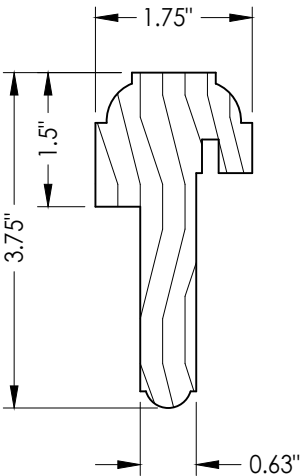
1 HEAD & SIDE JAMB



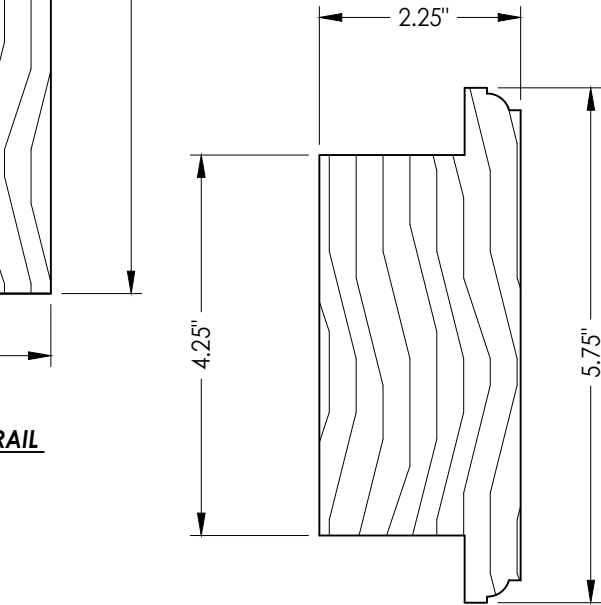
2 TOP RAIL & STILE



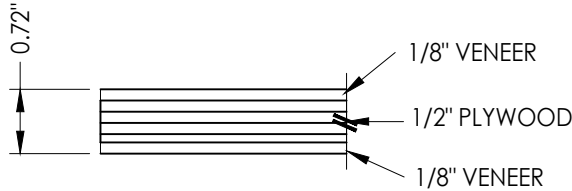
3 BOTTOM RAIL



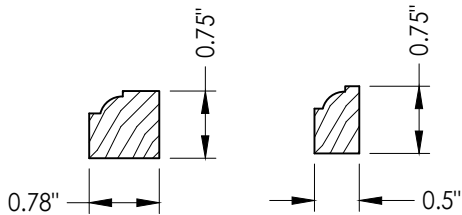
10 ASTRAGAL



5 INTERMEDIATE RAIL



11 PANEL INFIL



12 PANEL / GLASS STOPS

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

PRODUCT:
MILLWORK ARTISANS
WOOD DOOR

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

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS				
		DATE	BY	JK	FBC	LFS
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4	9/29/20	UPDATE TO 7TH ED. (2020)	FBC	JK	FBC	LFS
3	10/3/17	UPDATE TO 6TH ED. (2017)	FBC	JK	FBC	LFS
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DATE: 08/24/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

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SHEET 8 OF 8