

MILLWORK ARTISANS

145 KING STREET
CHARLESTON, SC 29401

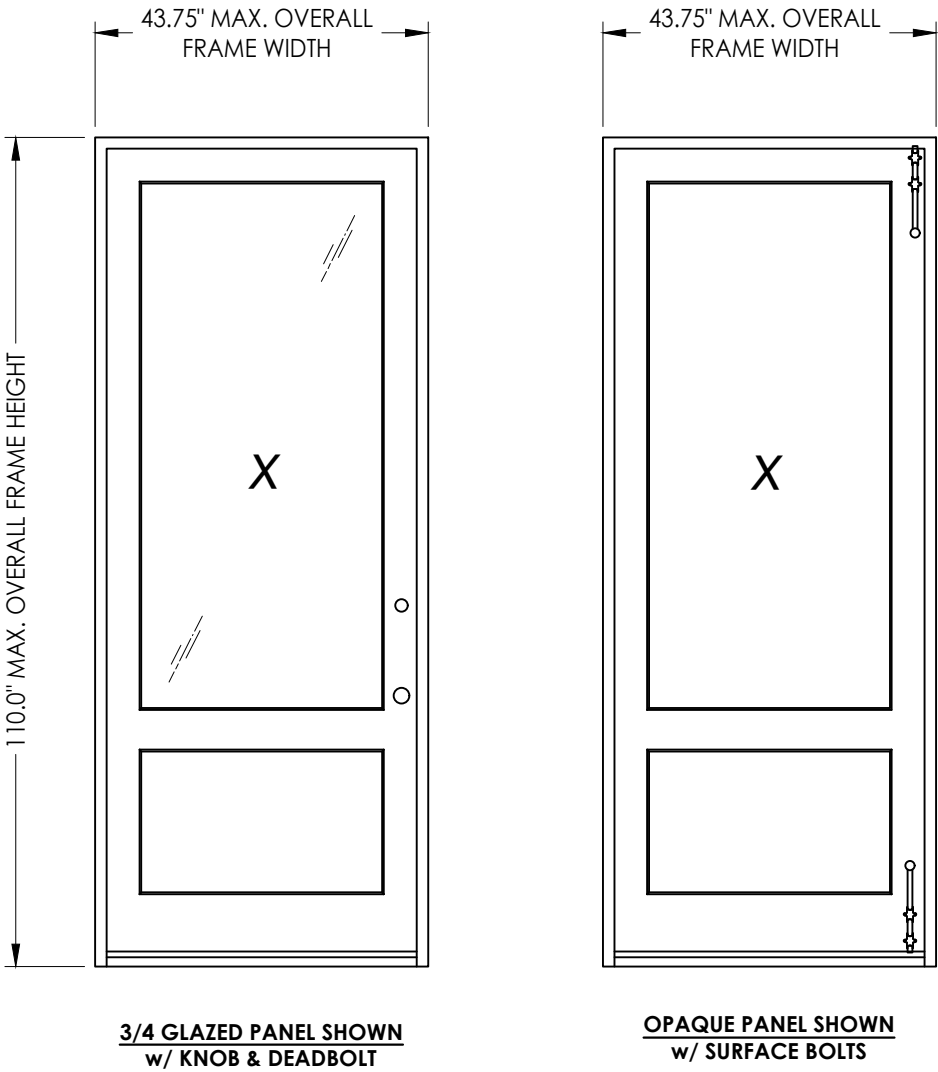
OPAQUE OR GLAZED
WOOD SINGLE DOOR

INSWING / OUTSWING
"NON-IMPACT"

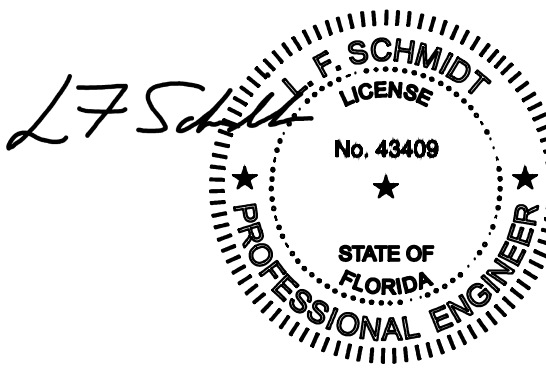
GENERAL NOTES

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	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck & frame anchoring
6	Surface bolt details
7	Bill of materials and components



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



Digitally signed by
Lyndon F Schmidt
Date: 2023.09.14
13:42:06 -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

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

PRODUCT:
MILLWORK ARTISANS
WOOD DOOR

Part or Assembly:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

59/14/23UPDATE TO 8TH ED. (2023) FBC

49/29/20UPDATE TO 7TH ED. (2020) FBC

310/3/17UPDATE TO 6TH ED. (2017) FBC

24/6/15UPDATE TO 5TH ED. (2014) FBC

14/4/12UPDATE TO 2010 FBC

NO. DATE

REVISIONS

DATE: 08/24/11

SCALE: N.T.S.

DWG. BY: JK

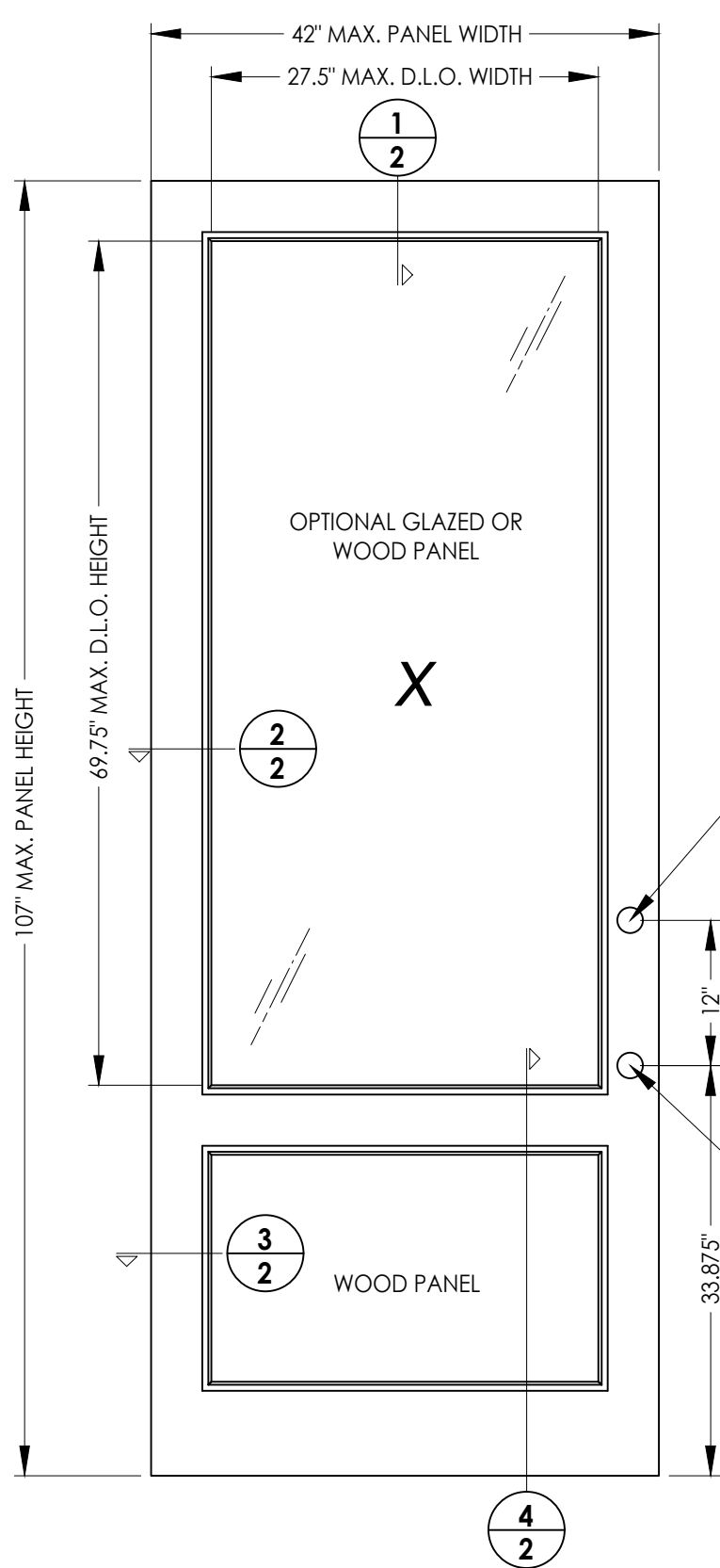
CHK. BY: LFS

DRAWING NO.: FL-14763.1

SHEET 1 OF 7

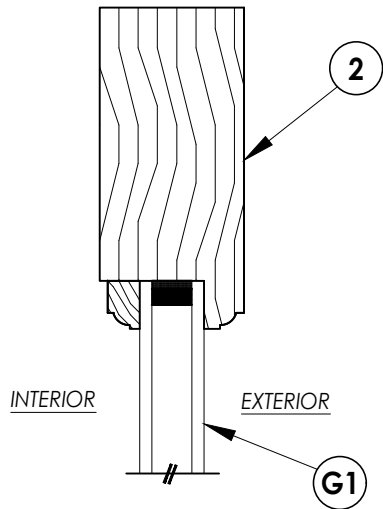
RWBUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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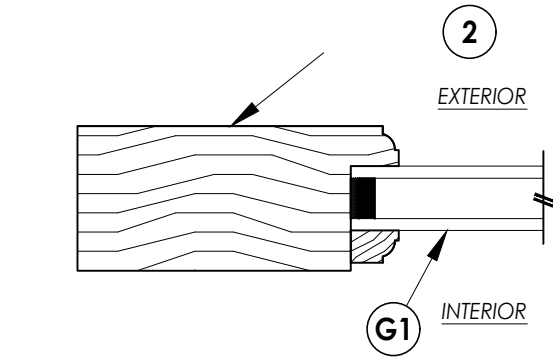


40 WOOD DOOR
Wood panels

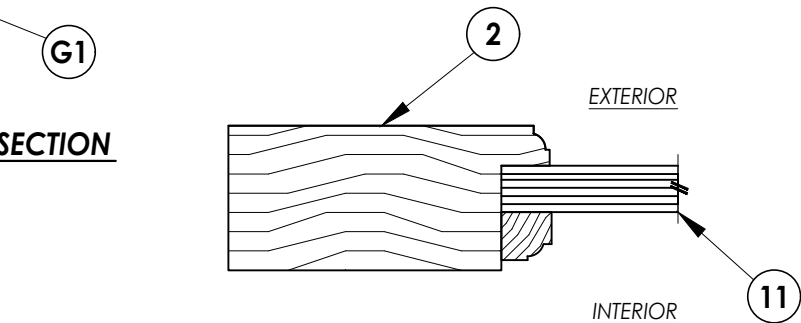
1 2 VERTICAL CROSS SECTION



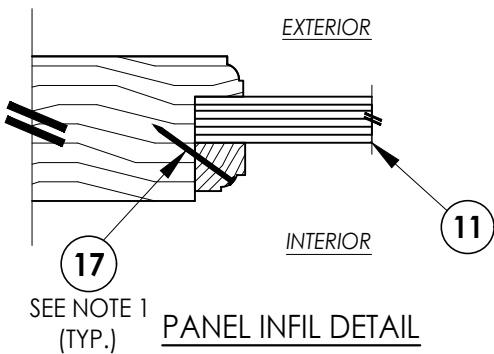
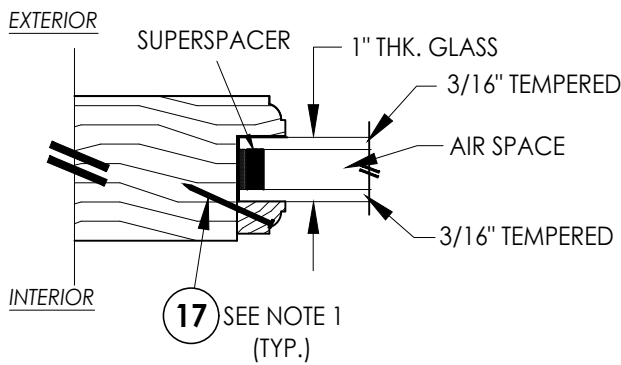
2 2 HORIZONTAL CROSS SECTION



3 2 HORIZONTAL CROSS SECTION

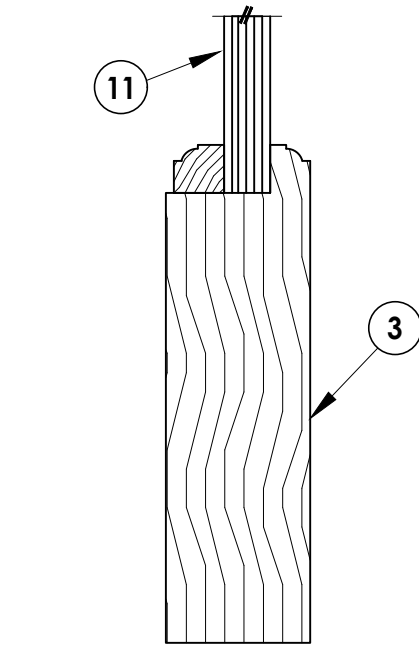


G1 GLAZING DETAIL



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

4 2 VERTICAL CROSS SECTION



DATE: 08/24/11

SCALE: N.T.S.

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CHK. BY: LFS

DRAWING NO.:

FL-14763.1

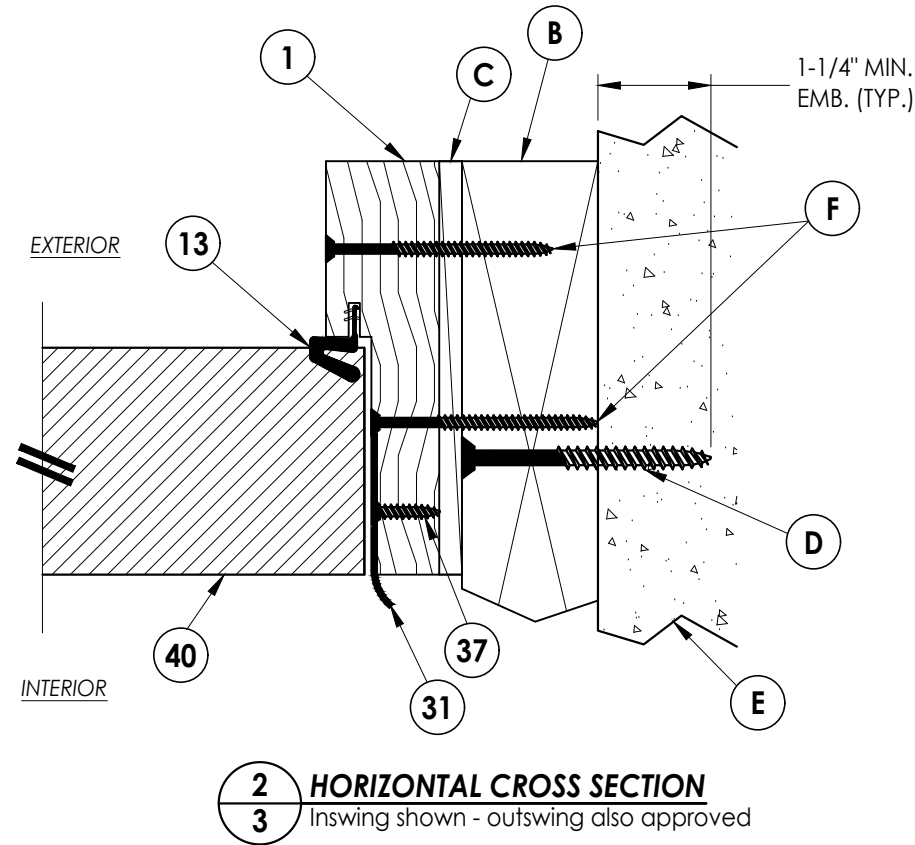
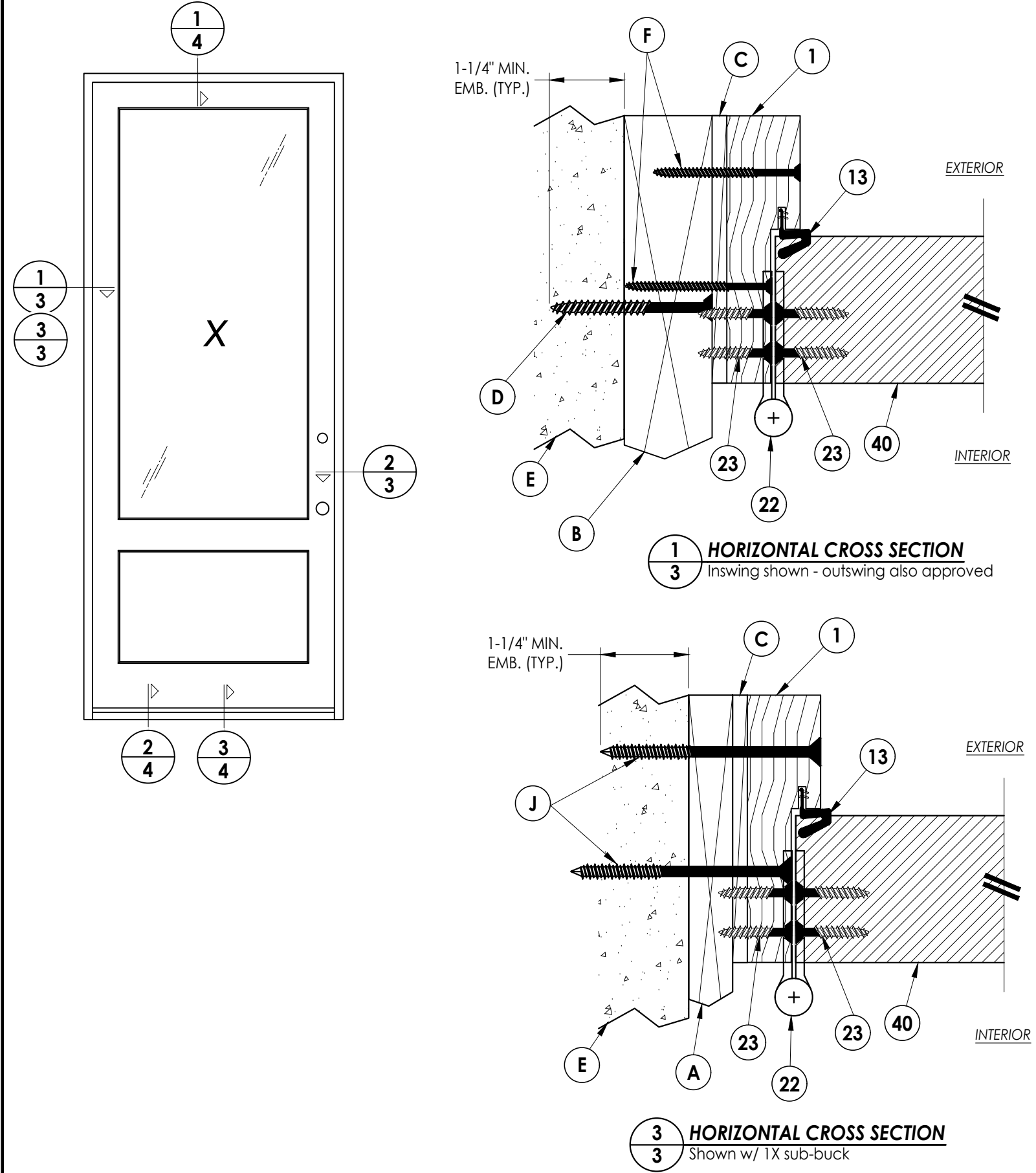
SHEET 2 OF 7

PRODUCT: MILLWORK ARTISANS WOOD DOOR

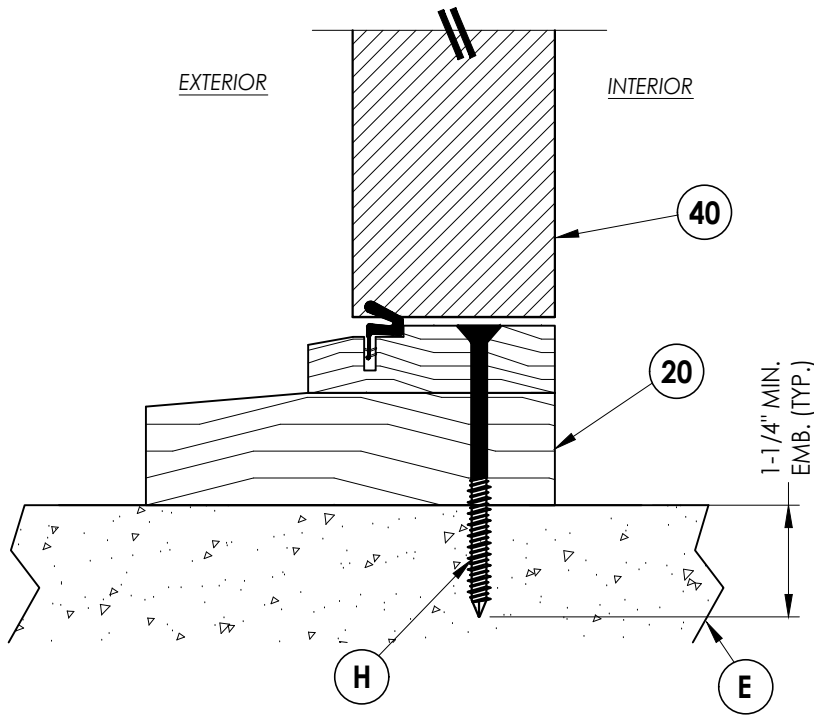
PART OR ASSEMBLY: DOOR PANEL DETAILS

Documents Prepared By:
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P.E. No. 43409

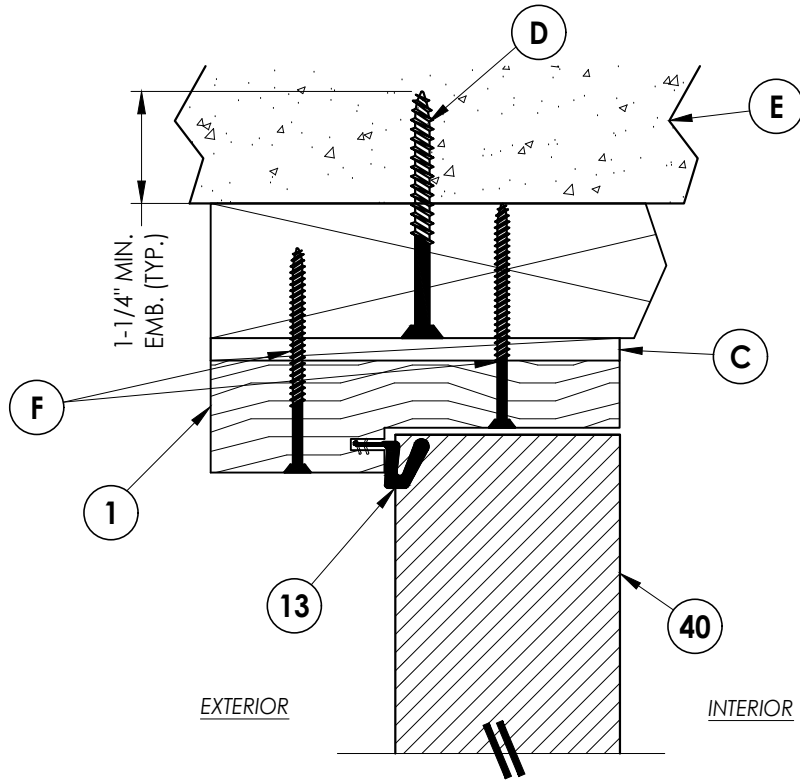
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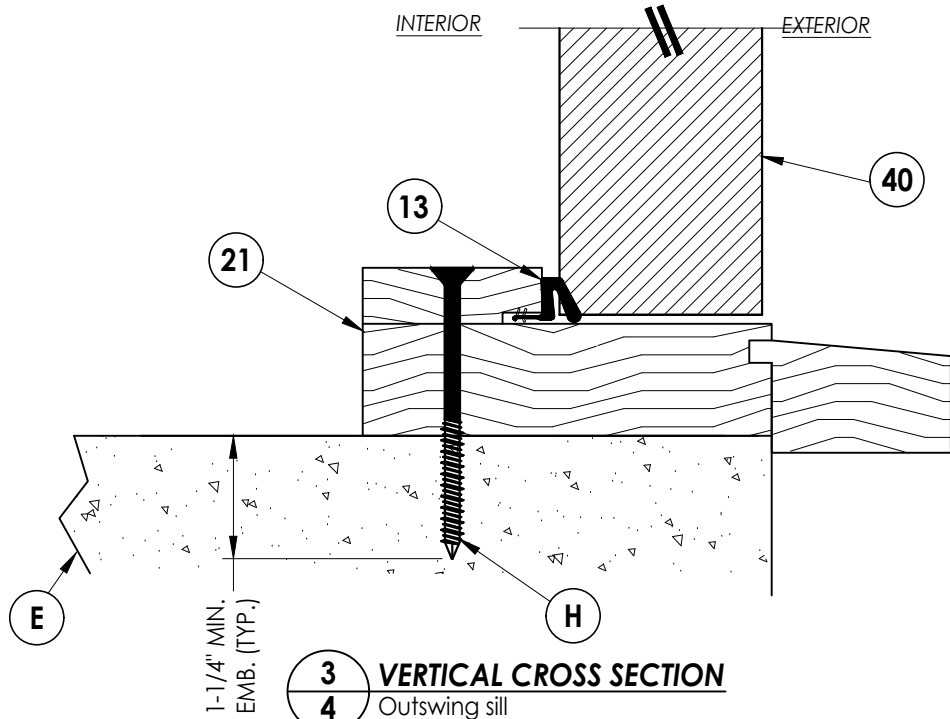
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PRODUCT: MILLWORK ARTISANS WOOD DOOR				PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS			
5	9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
4	9/29/20	UPDATE TO 7TH ED. (2020)	FBC	LFS			
3	10/3/17	UPDATE TO 6TH ED. (2017)	FBC	JK			
2	4/6/15	UPDATE TO 5TH ED. (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-14763.1							
SHEET 3 OF 7							



2
4 **VERTICAL CROSS SECTION**
Inswing sill



1
4 **VERTICAL CROSS SECTION**
Inswing shown - outswing also approved



3
4 **VERTICAL CROSS SECTION**
Outswing sill

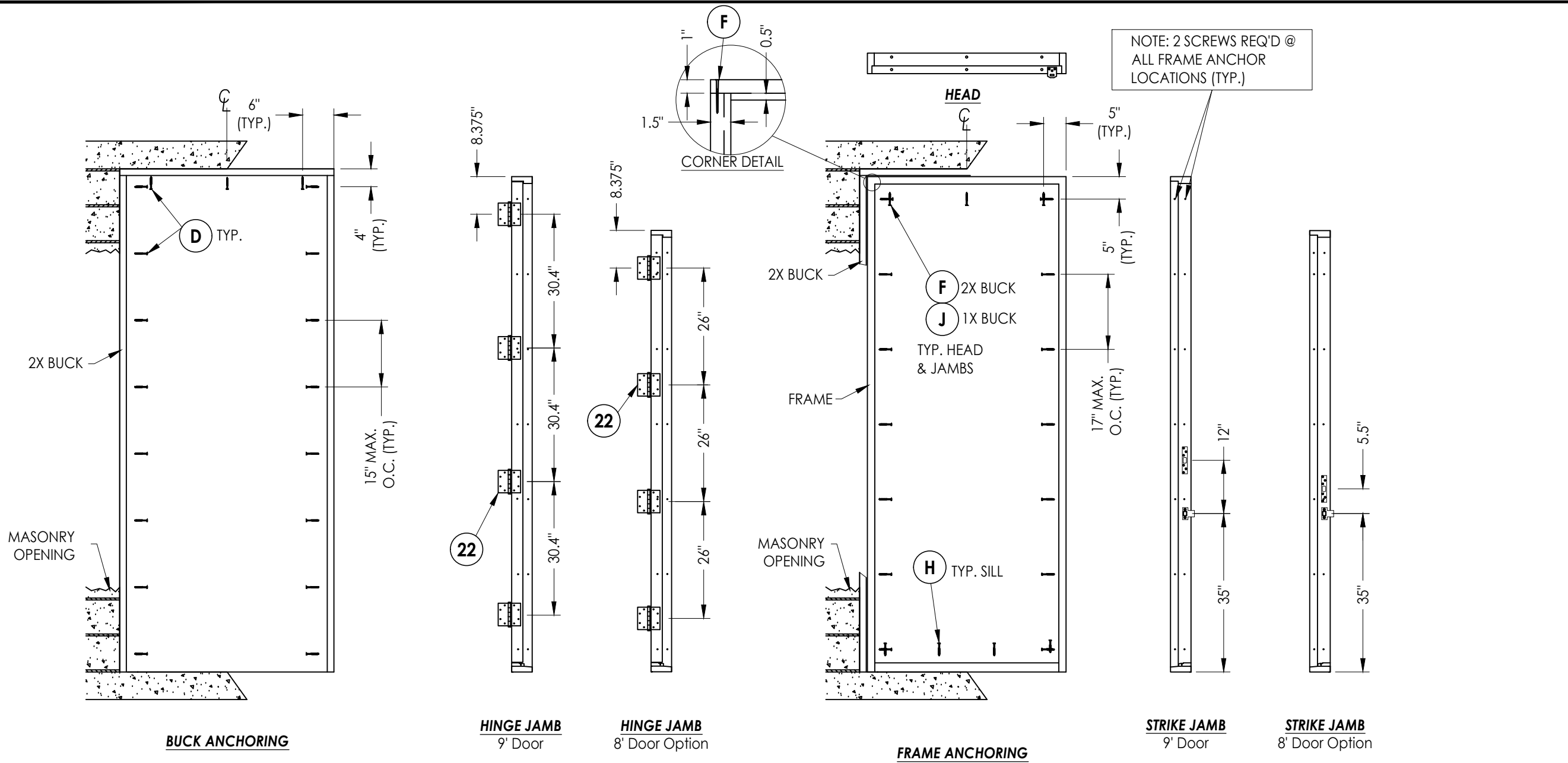
DATE: 08/24/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14763.1
SHEET 4 OF 7

NO.	DATE	REVISIONS
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
		BY

PRODUCT:	MILLWORK ARTISANS WOOD DOOR
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

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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®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

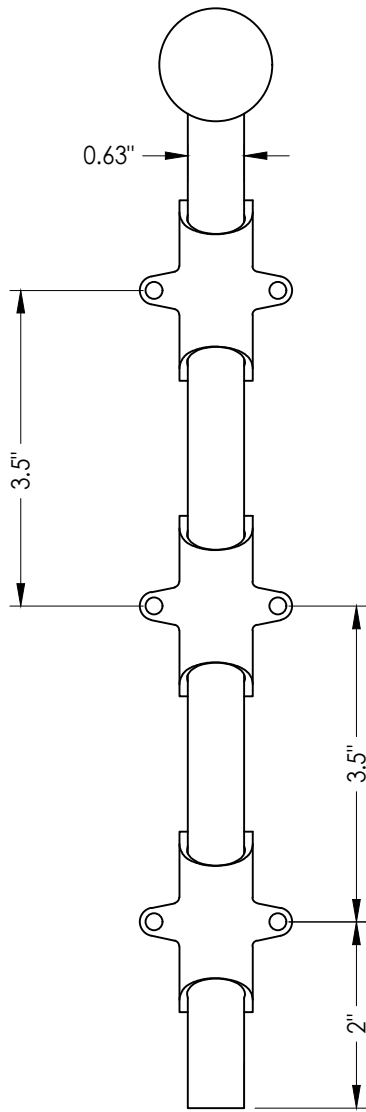
WOOD SCREW INSTALLATION NOTES:

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

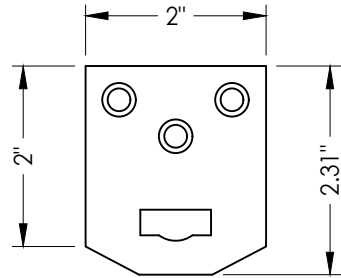
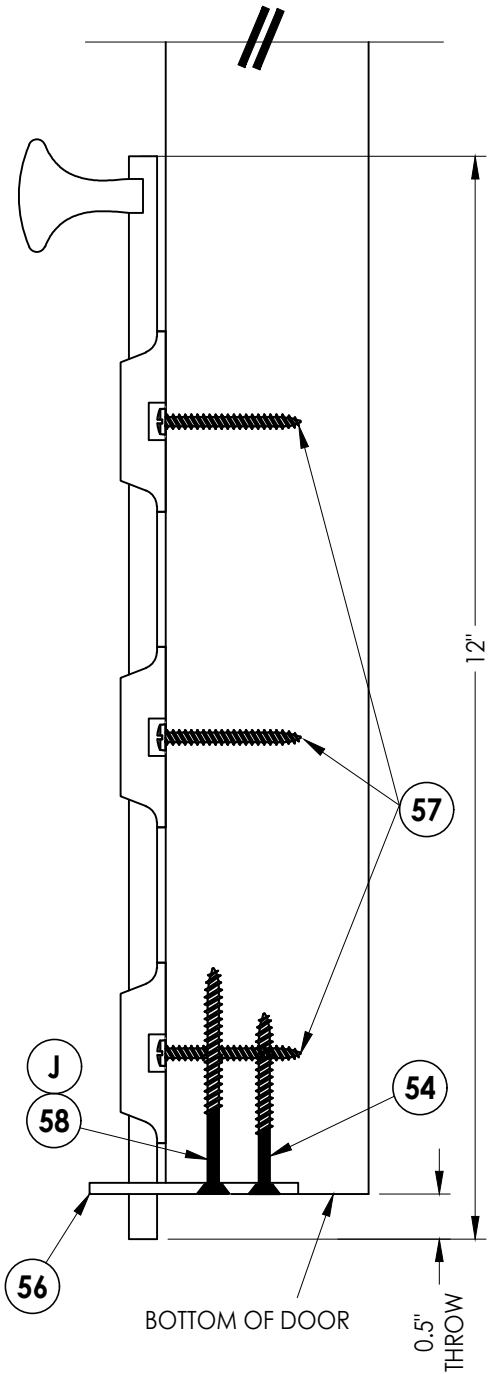
NOTE:

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

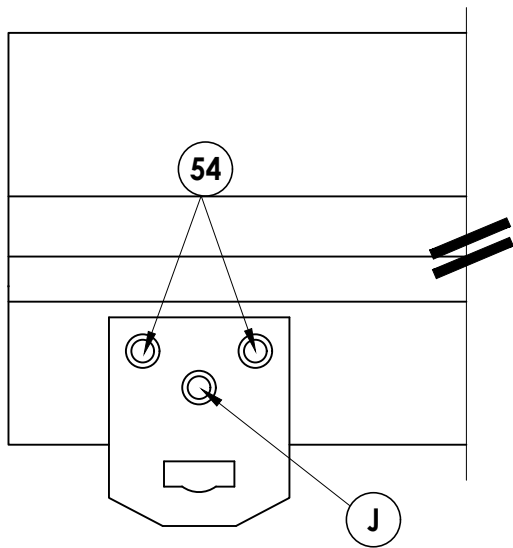
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PRODUCT: MILLWORK ARTISANS WOOD DOOR										PART OR ASSEMBLY: BUCK & FRAME ANCHORING																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															



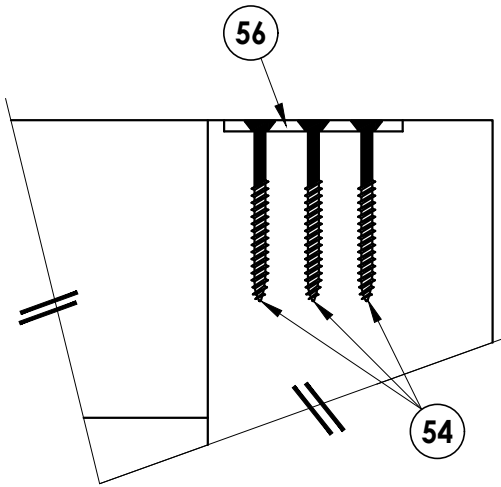
55 **SURFACE BOLT**



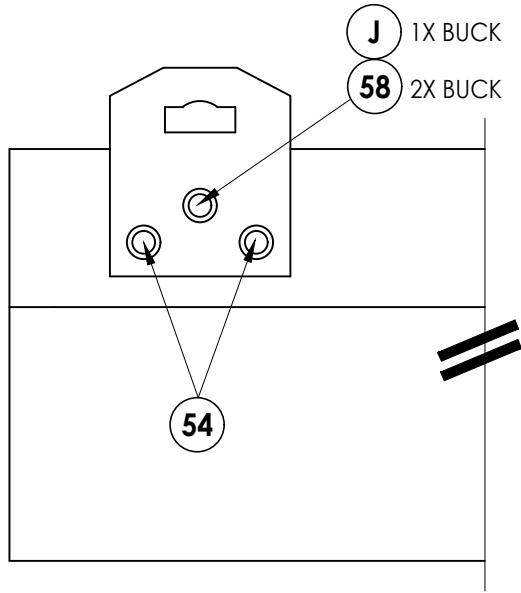
56 **SURFACE BOLT GUIDE PLATE**



SURFACE BOLT GUIDE PLATE
View looking down at sill



SURFACE BOLT GUIDE PLATE
Typical at top & bottom of door



SURFACE BOLT GUIDE PLATE
View looking up at head

NO.	DATE	REVISIONS
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
J		1X BUCK
58		2X BUCK

DATE:	08/24/11
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14763.1
SHEET	6 OF 7

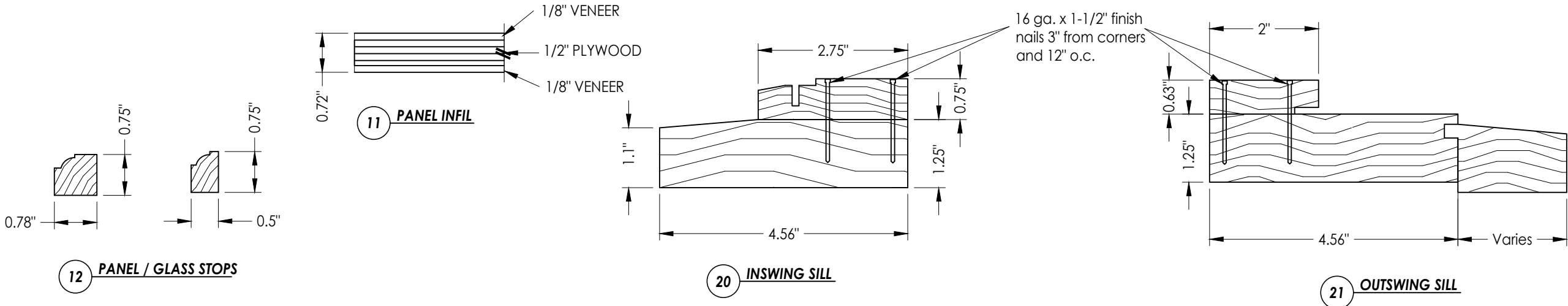
PRODUCT:	MILLWORK ARTISANS WOOD DOOR
PART OR ASSEMBLY:	SURFACE BOLT DETAILS

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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
G	3/16" X 3-3/4" FH ITW CONCRETE SCREW	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
11	PANEL INFIL	WOOD
12	PANEL/GLASS STOPS	WOOD
13	WEATHERSTRIP (QLON)	FOAM
17	23 GA. X 1" FINISH NAIL	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
37	#8 X 3/4" FH WOOD SCREW	STEEL
40	WOOD DOOR PANEL	-
53	#8 X 1-1/2" FH WOOD SCREW	STEEL
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).



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PRODUCT:
MILLWORK ARTISANS
WOOD DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
5	9/14/23	UPDATE TO 8TH ED. (2023) FBC
4	9/29/20	UPDATE TO 7TH ED. (2020) FBC
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FL-14763.1

SHEET 7 OF 7