

MILLWORK ARTISANS

145 KING STREET
CHARLESTON, SC 29401

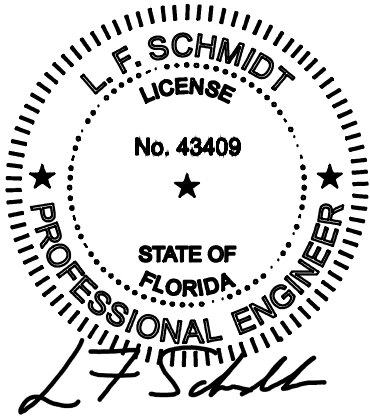
OPAQUE OR GLAZED
WOOD SINGLE DOOR
w/ or w/o TRANSOM

INSWING / OUTSWING
"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 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.

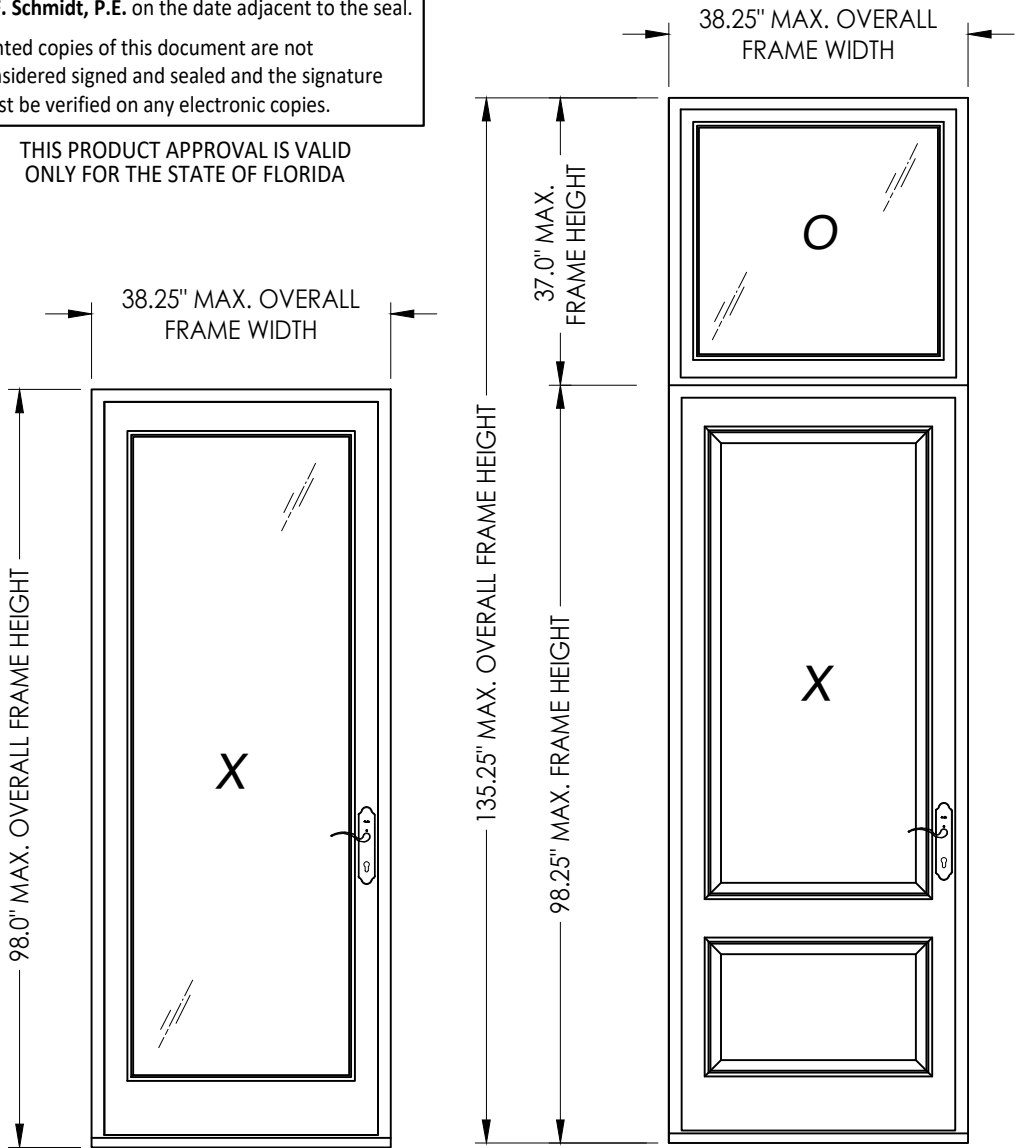
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Transom panel details and glazing details
4	Elevations
5	Horizontal cross sections
6	Vertical cross sections
7	Buck anchoring
8	Frame anchoring
9	Multi-point lock details
10	Components
11	Bill of materials and components



Digitally signed by
Lyndon F Schmidt
Date: 2023.09.14
13:42:47 -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 PANEL SHOWN

OPAQUE PANEL SHOWN

CONFIGURATION	MAX. FRAME DIMENSION	GLAZING	DESIGN PRESSURE (PSF) INSWING	
			POSITIVE	NEGATIVE
X	38.25" x 98.0"	G1	+70.0	-70.0
		G2	+40.0	-40.0
O/X	38.25" x 135.25"	G1, G2	+40.0	-40.0

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 Registry No. 9813

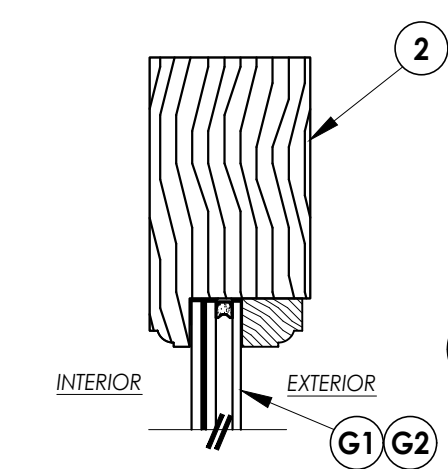
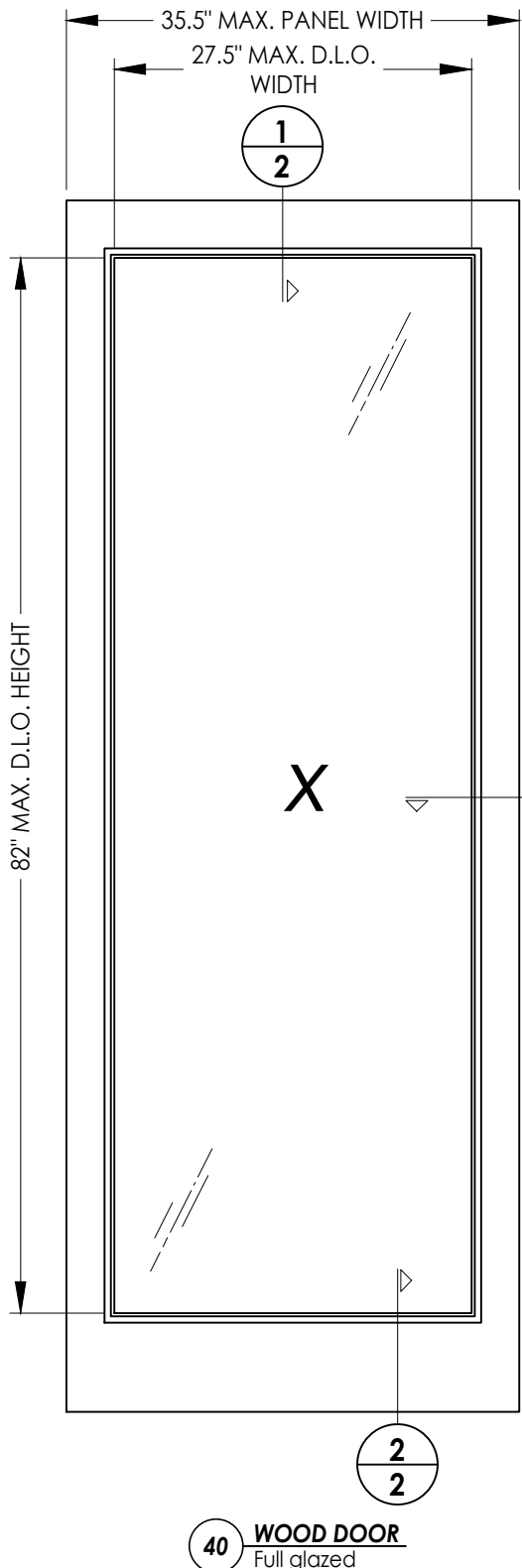
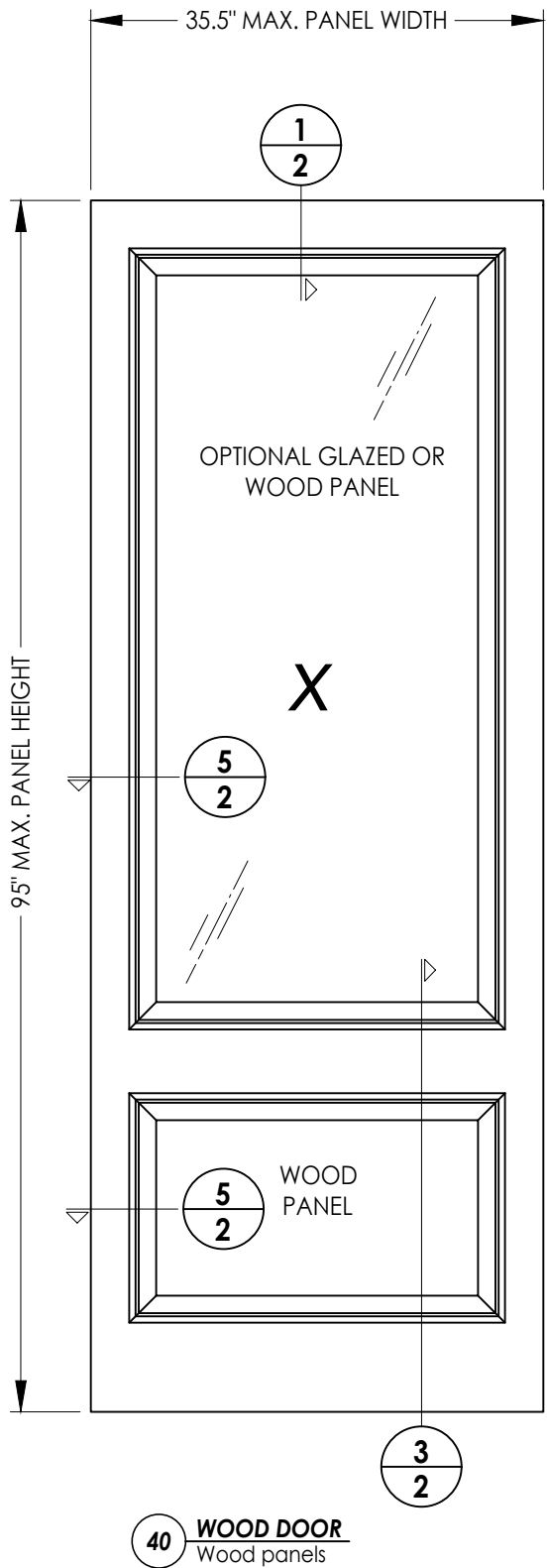
PRODUCT:
MILLWORK ARTISANS
WOOD DOOR

PART OR ASSEMBLY:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

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

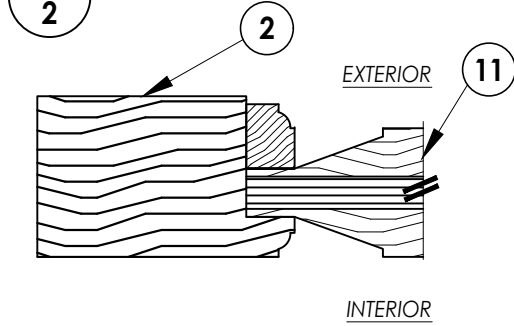
DATE: 08/24/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-14763.3
SHEET 1 OF 11

Z:\2023 FBC Drawings\Millwork Artisans, LLC\FL-14763 R5\FL-14763.1-5.dwg



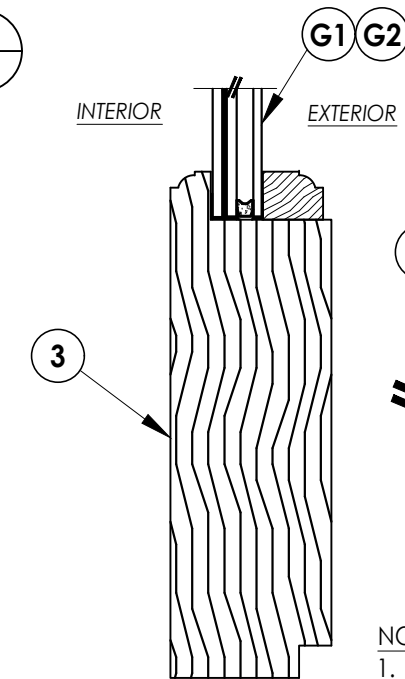
1
2

VERTICAL CROSS SECTION



5
2

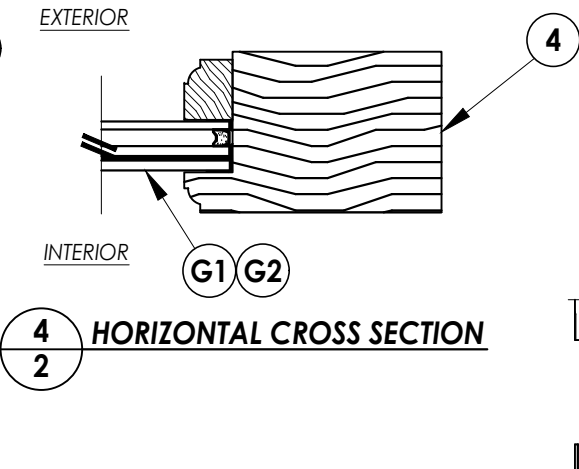
HORIZONTAL CROSS SECTION



2
2

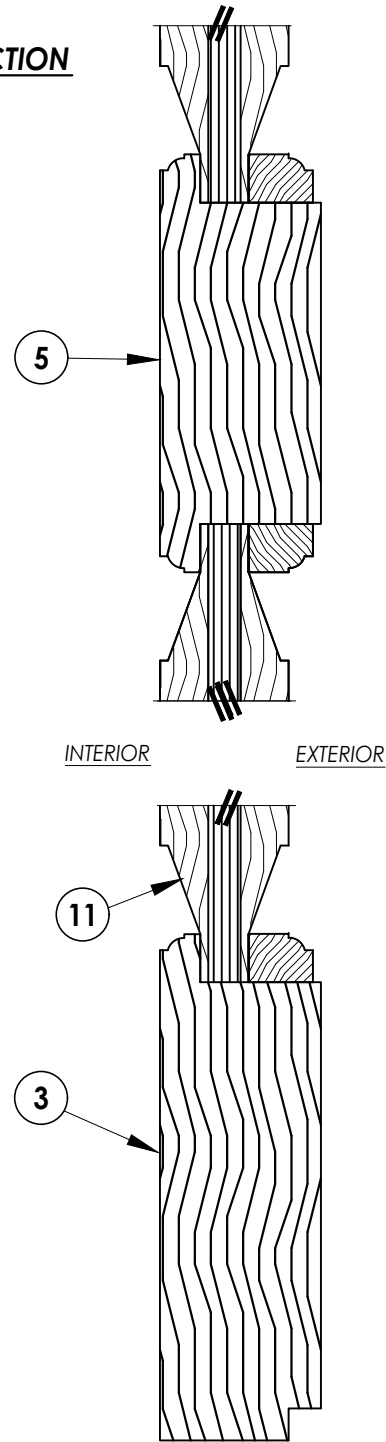
VERTICAL CROSS SECTION

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



4
2

HORIZONTAL CROSS SECTION



3
2

VERTICAL CROSS SECTION

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

PRODUCT:
MILLWORK ARTISANS
WOOD DOOR

NO.	DATE	REVISIONS
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
		BY

DATE: 08/24/11

SCALE: N.T.S.

DWG. BY: JK

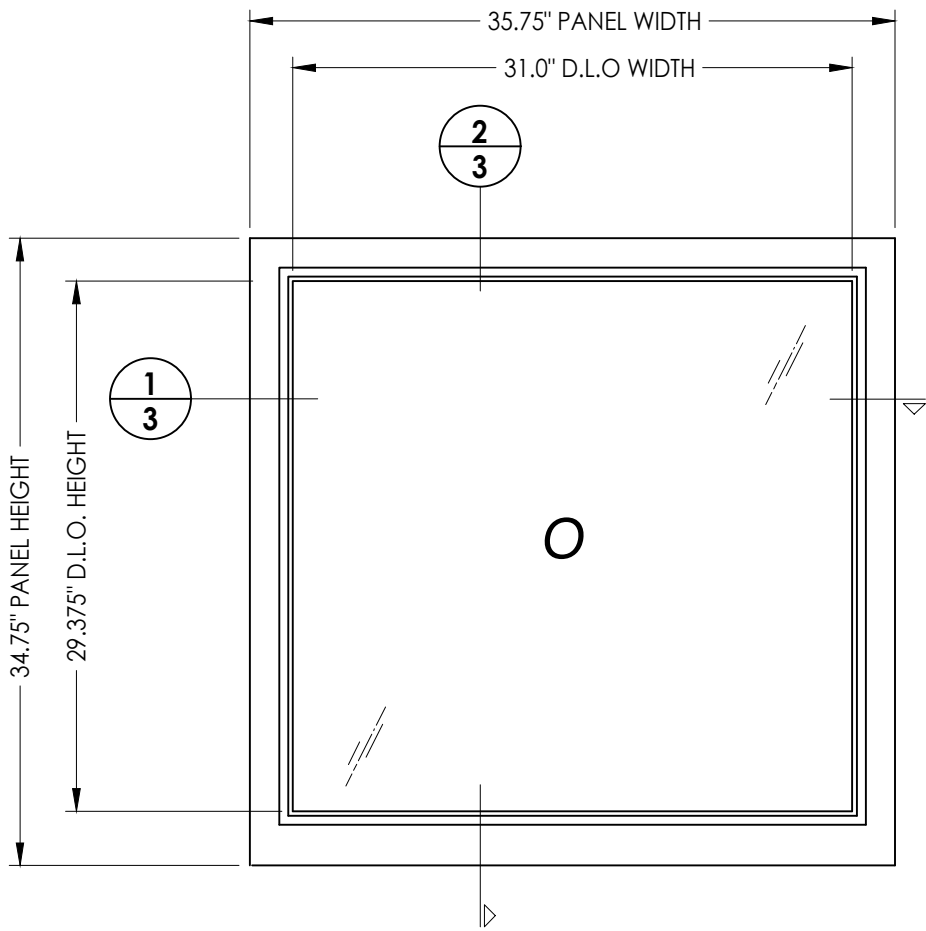
CHK. BY: LFS

DRAWING NO.:
FL-14763.3

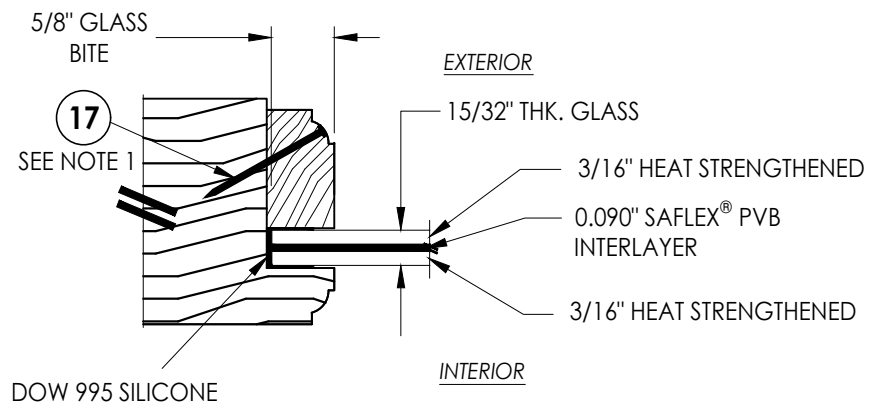
SHEET 2 OF 11

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

Z:\2023 FBC Drawings\Millwork Artisans, LLC\FL-14763 R5\FL-14763.1-5.dwg

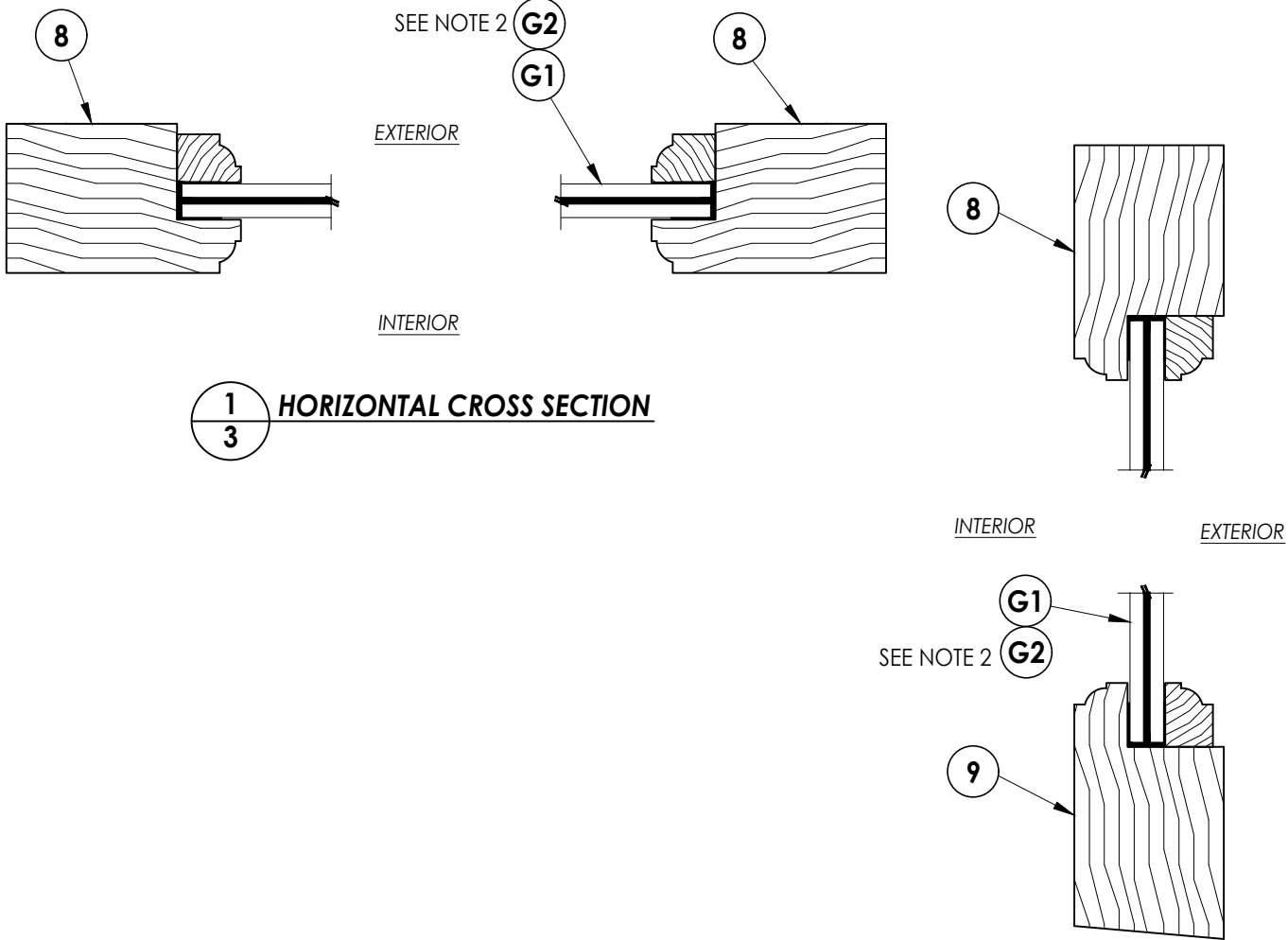


37 TRANSOM PANEL

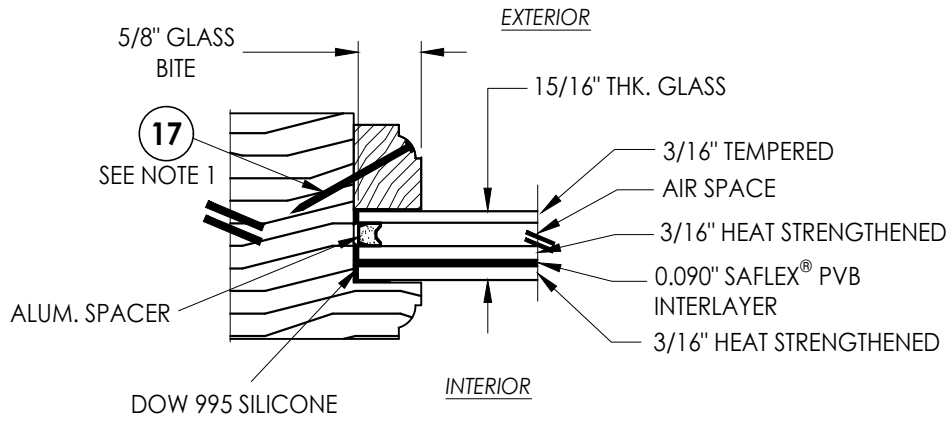


G1 GLAZING DETAIL

- NOTE:
1. Spacing for item #17 is 4" from corners and 12" o.c. thereafter.
2. G2 Glazing requires 2.5" wide transom stiles and rails - see sheet 11.



2
3 VERTICAL CROSS SECTION



G2 GLAZING DETAIL

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 Registry No. 9813

PRODUCT:
MILLWORK ARTISANS
WOOD DOOR

PART OR ASSEMBLY:
TRANSOM PANEL DETAILS
& GLAZING DETAILS

		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.

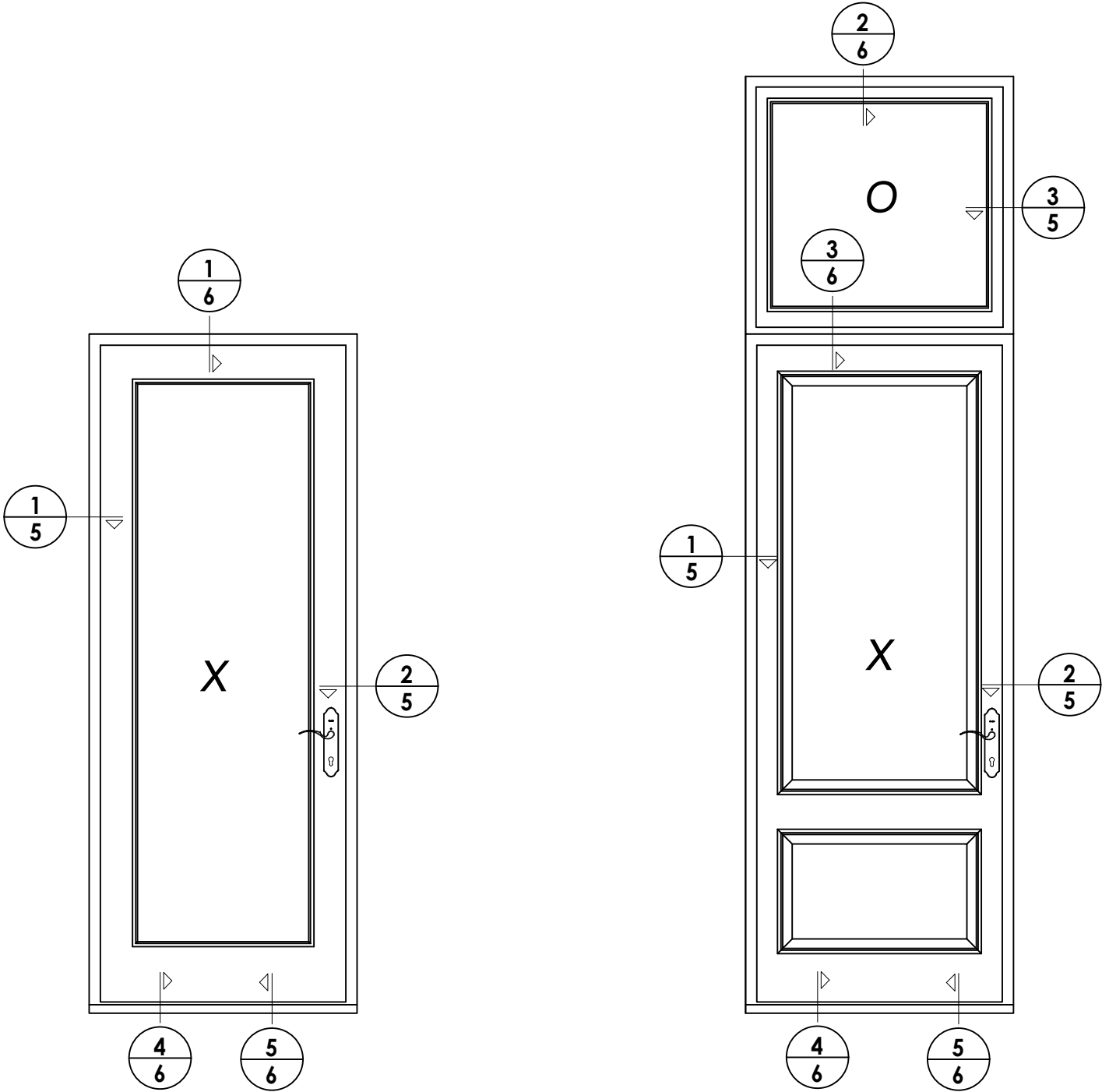
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-14763.3

SHEET 3 OF 11



DATE: 08/24/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14763.3
SHEET 4 OF 11

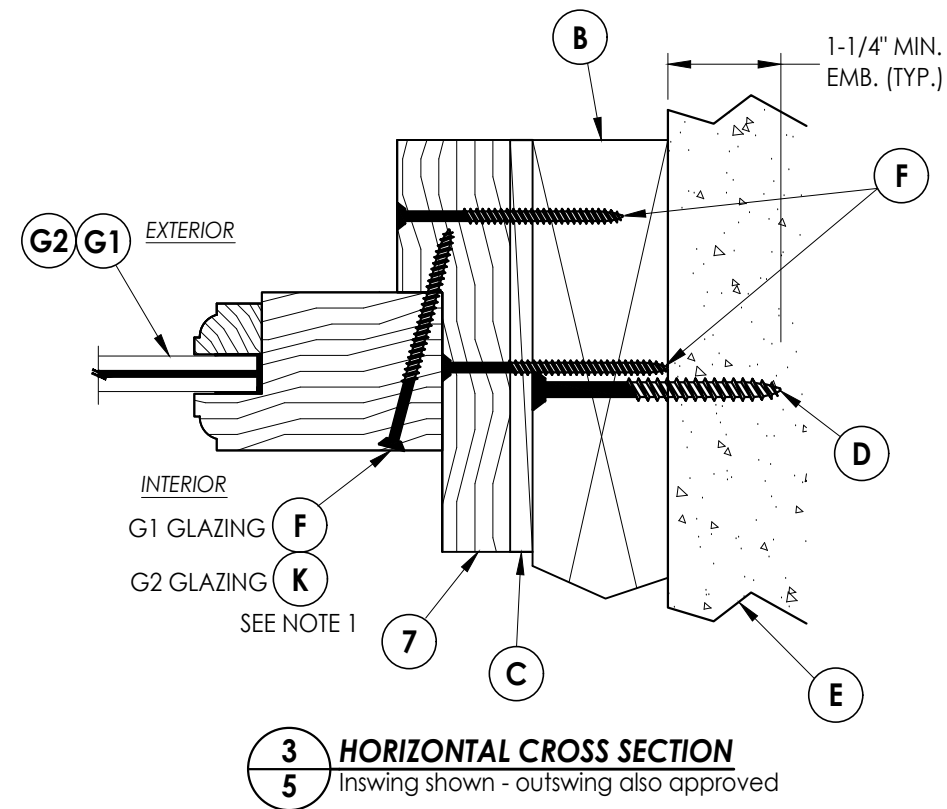
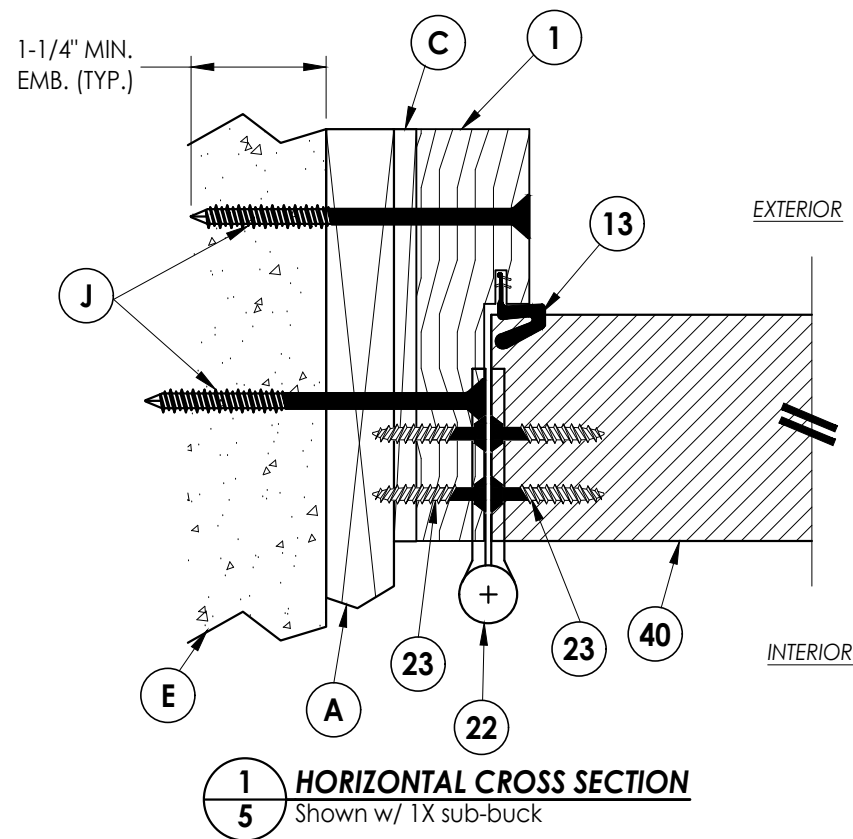
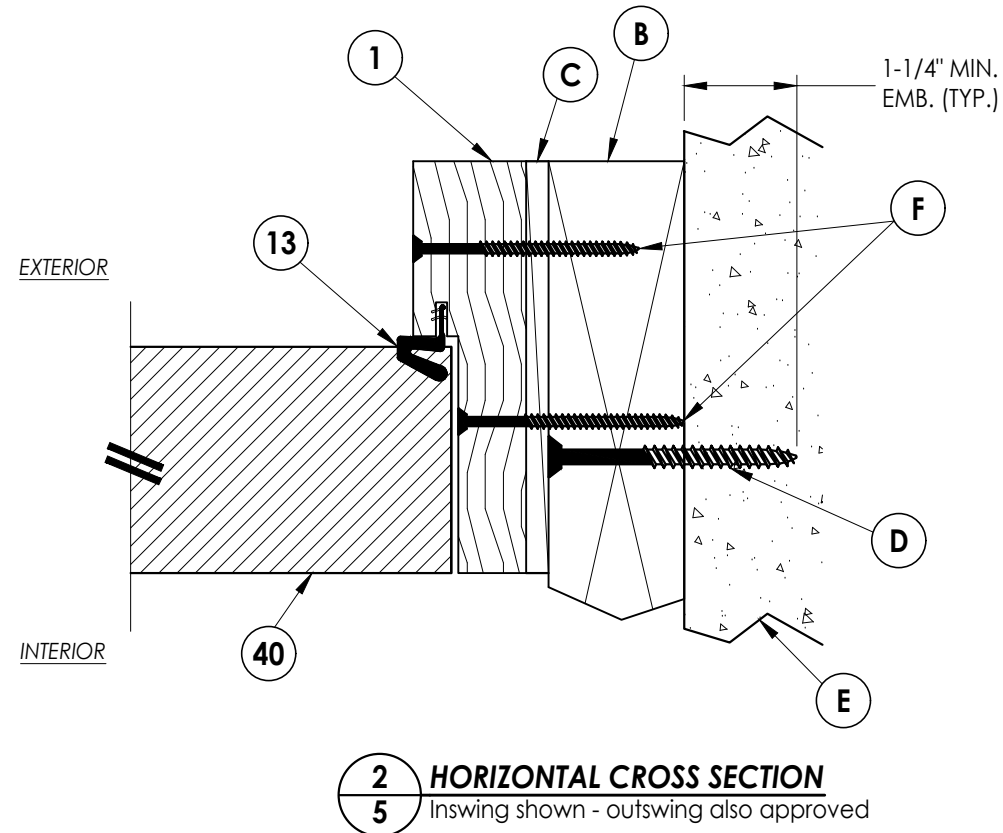
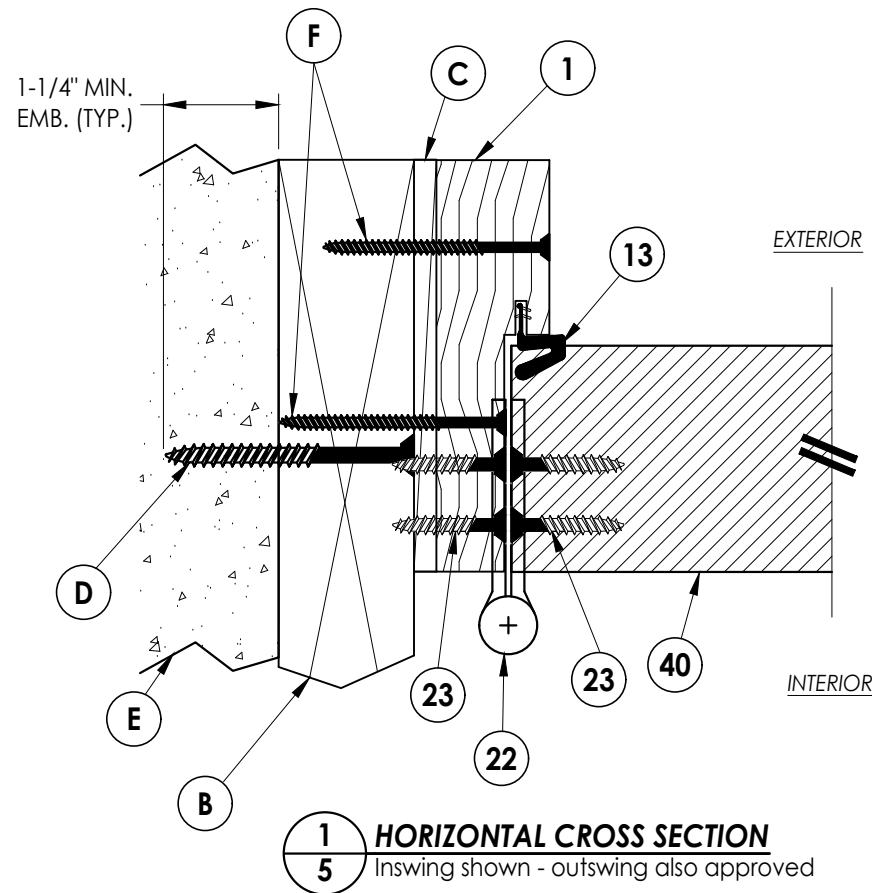
	5	9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
	4	9/29/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
	3	10/3/17	UPDATE TO 6TH ED. (2017)	FBC	JK
	2	4/6/15	UPDATE TO 5TH ED. (2014)	FBC	JK
	1	4/4/12	UPDATE TO 2010 FBC	JK	JK
	NO.	DATE			BY
REVISIONS					

PRODUCT:	MILLWORK ARTISANS WOOD DOOR
	PART OR ASSEMBLY: ELEVATIONS

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

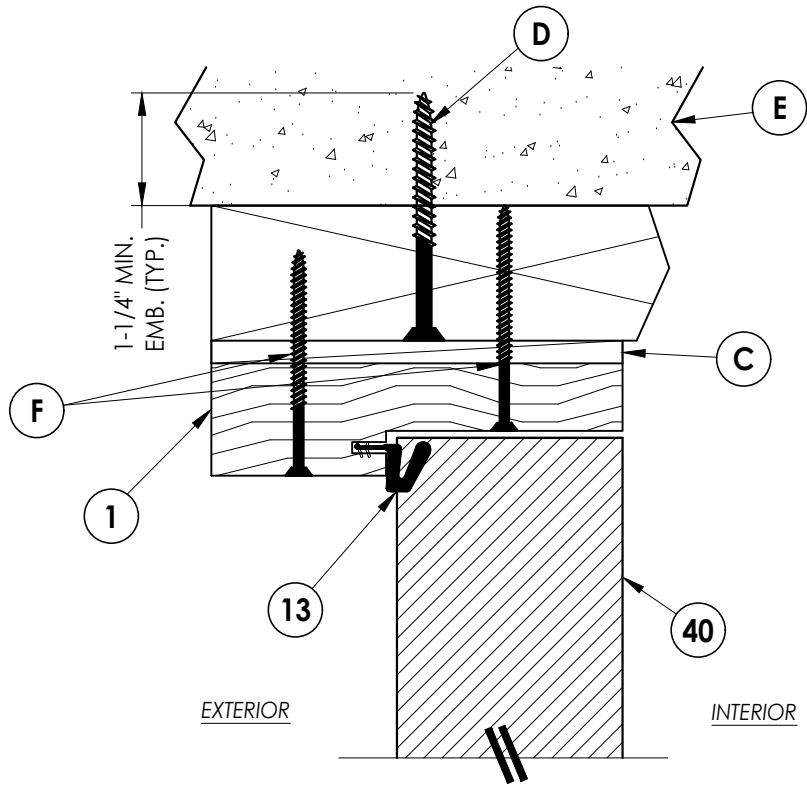
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

NOTE:
1. Spacing for item F or K (Transom): 2-1/2" from corners and 8" o.c. thereafter.

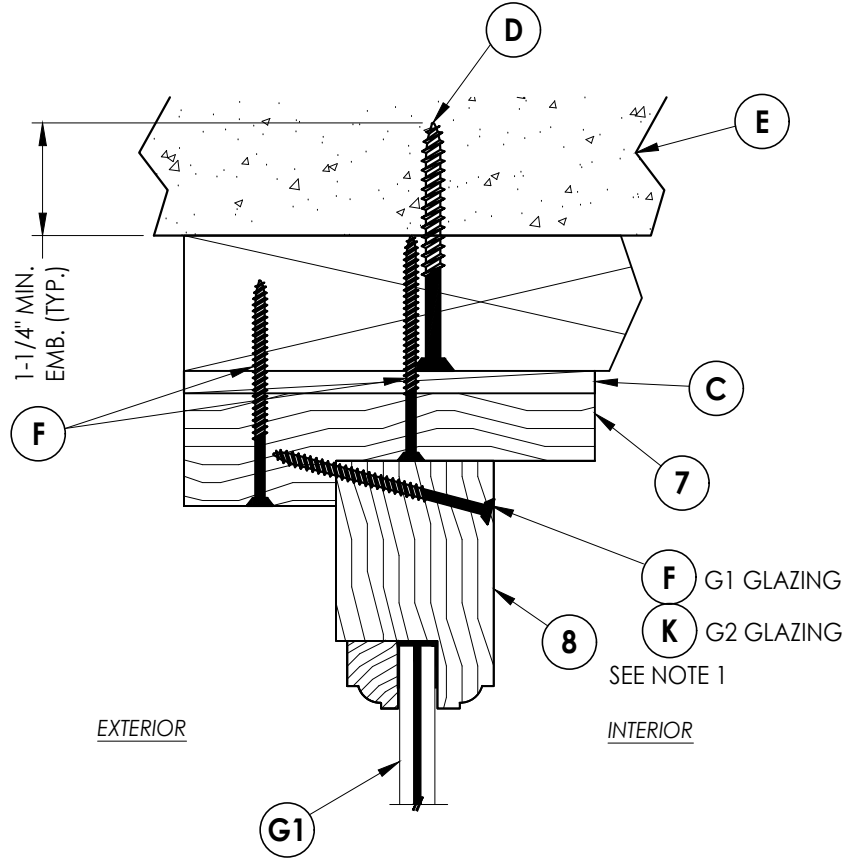


DATE: 08/24/11		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		MILLWORK ARTISANS WOOD DOOR		Lyndon F. Schmidt P.E. No. 43409	
DWG. BY: JK		PART OR ASSEMBLY:		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
CHK. BY: LFS		HORIZONTAL CROSS SECTIONS			
DRAWING NO.: FL-14763.3					
SHEET 5 OF 11					

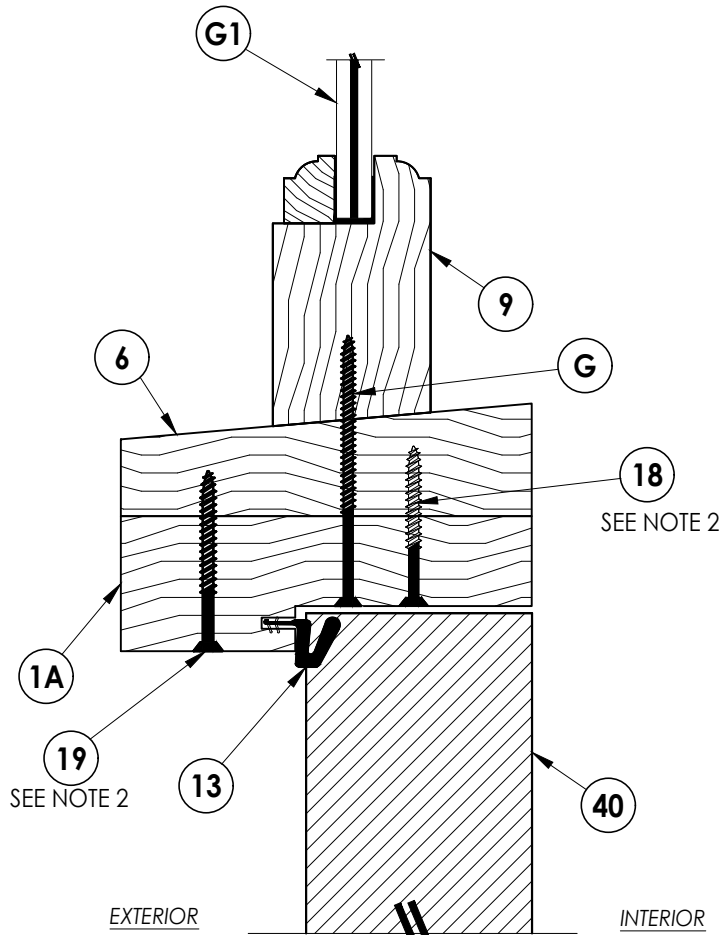
Z:\2023 FBC Drawings\Millwork Artisans, LLC\FL-14763 R5\FL-14763.1-5.dwg



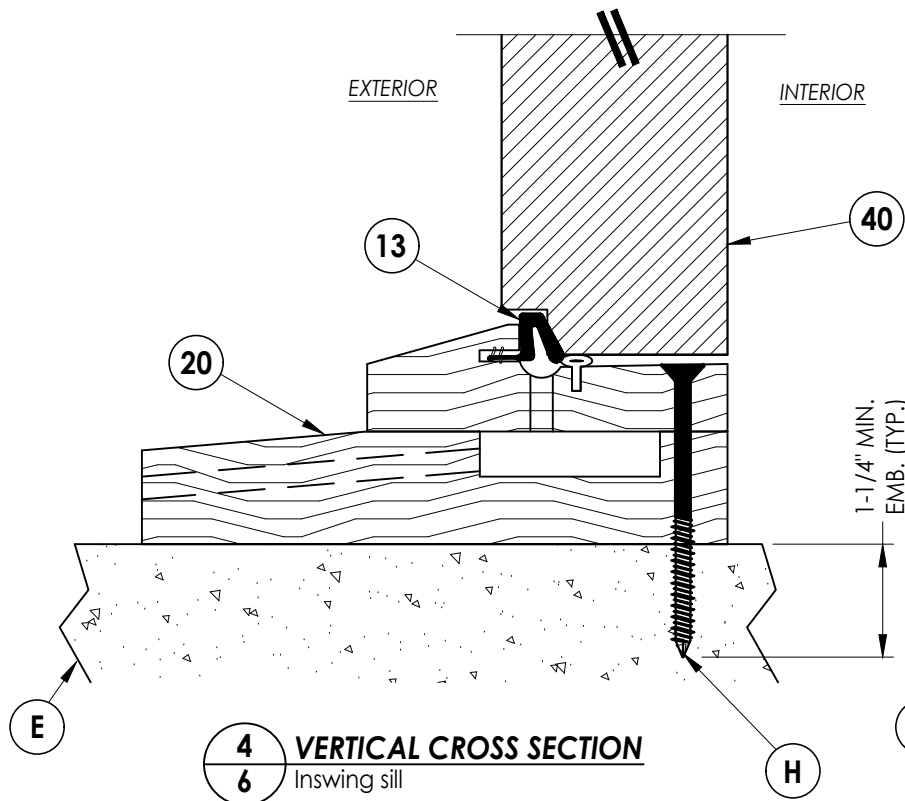
1
6 **VERTICAL CROSS SECTION**
Inswing shown - outswing also approved



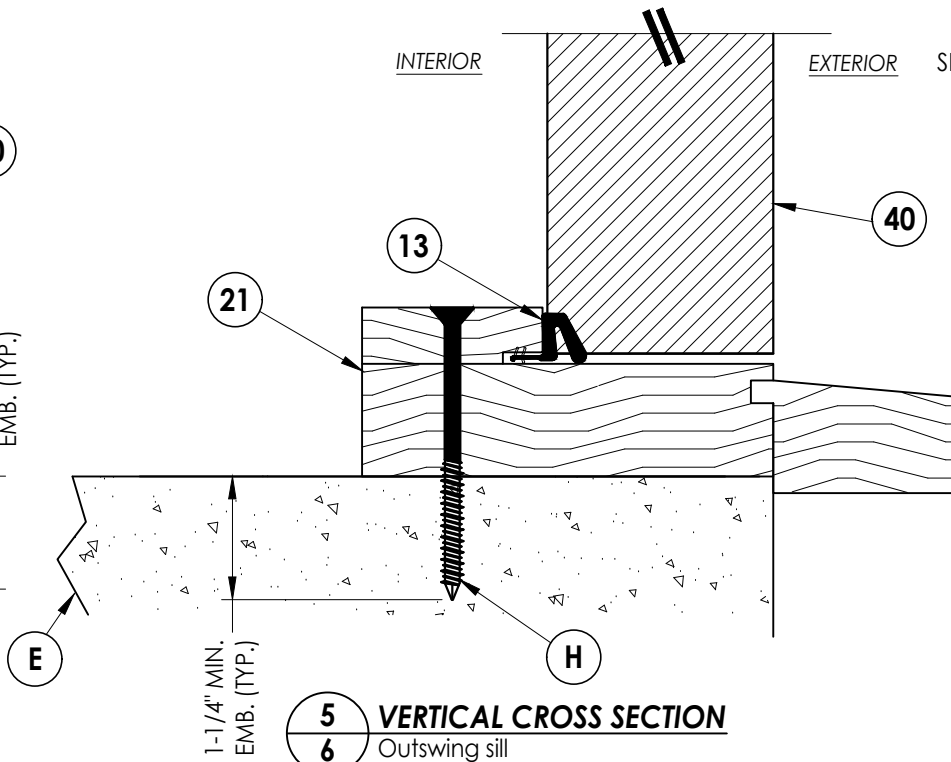
2
6 **VERTICAL CROSS SECTION**
Inswing shown - outswing also approved



3
6 **VERTICAL CROSS SECTION**
Inswing shown - outswing also approved



4
6 **VERTICAL CROSS SECTION**
Inswing sill



5
6 **VERTICAL CROSS SECTION**
Outswing sill

NOTE:

1. Spacing for item F or K (Transom): 4" from corners and 12" o.c. thereafter.
2. Spacing for item #18 & 19: 4" from each end and 2 more equally spaced (4 total each).

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:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS			
		BY	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	FBC	JK	

DATE: 08/24/11

SCALE: N.T.S.

DWG. BY: JK

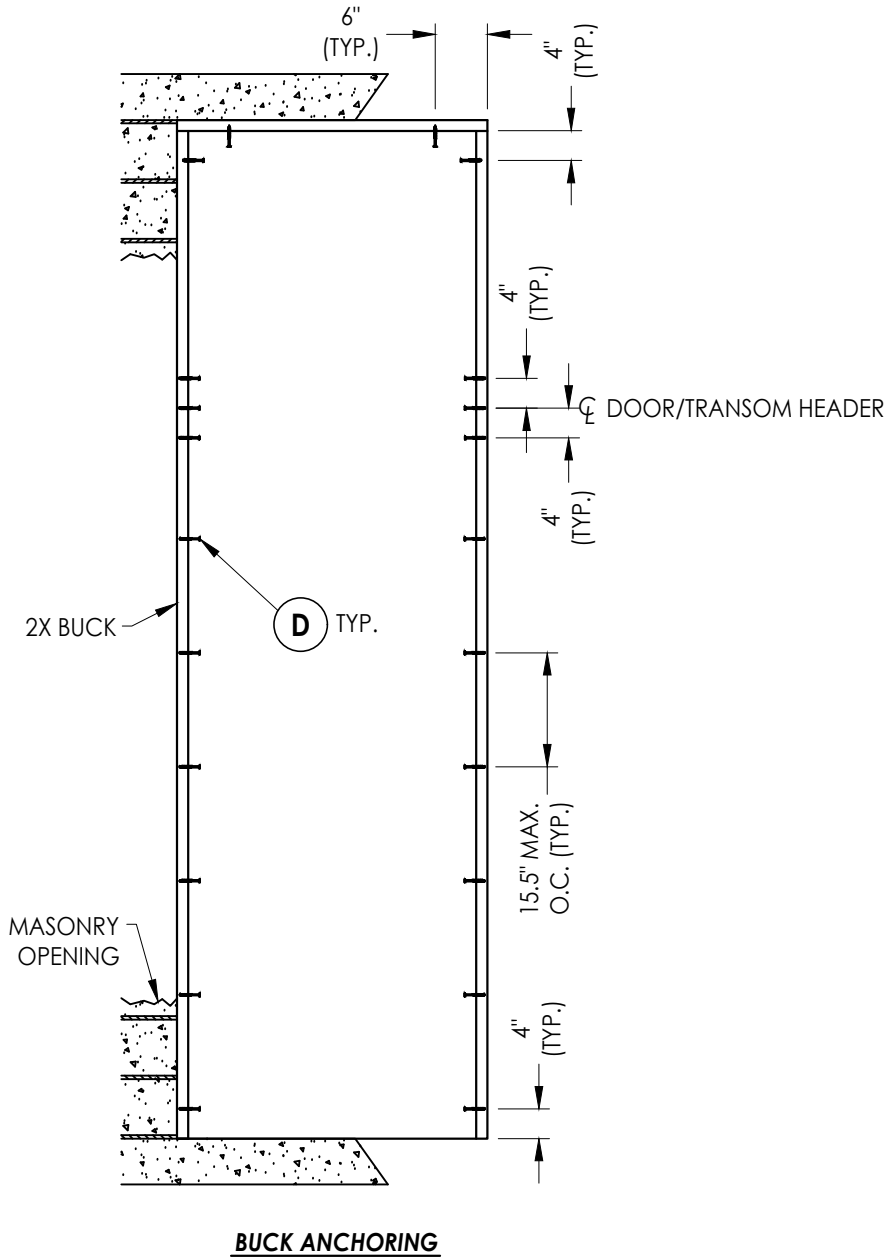
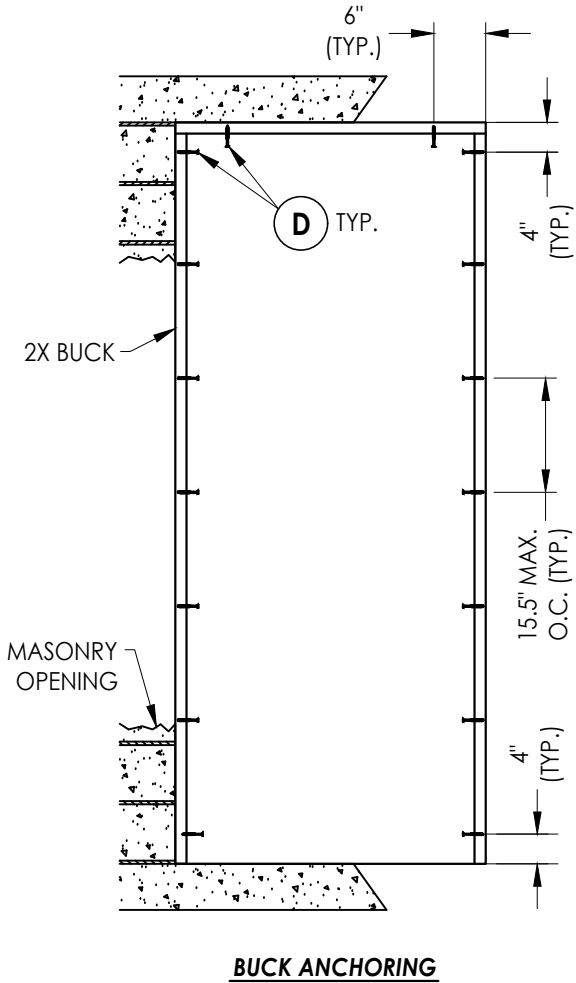
CHK. BY: LFS

DRAWING NO.:

FL-14763.3

SHEET 6 OF 11

Z:\2023 FBC Drawings\Millwork Artisans, LLC\FL-14763 R5\FL-14763.1-5.dwg



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"
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.

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 Registry No. 9813

PRODUCT:
MILLWORK ARTISANS
WOOD DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

NO.	DATE	REVISIONS
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

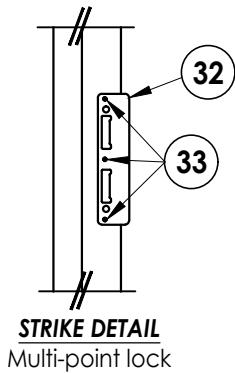
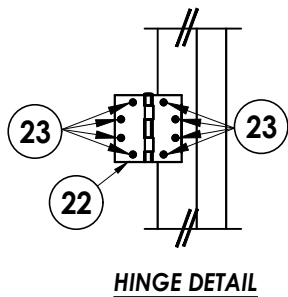
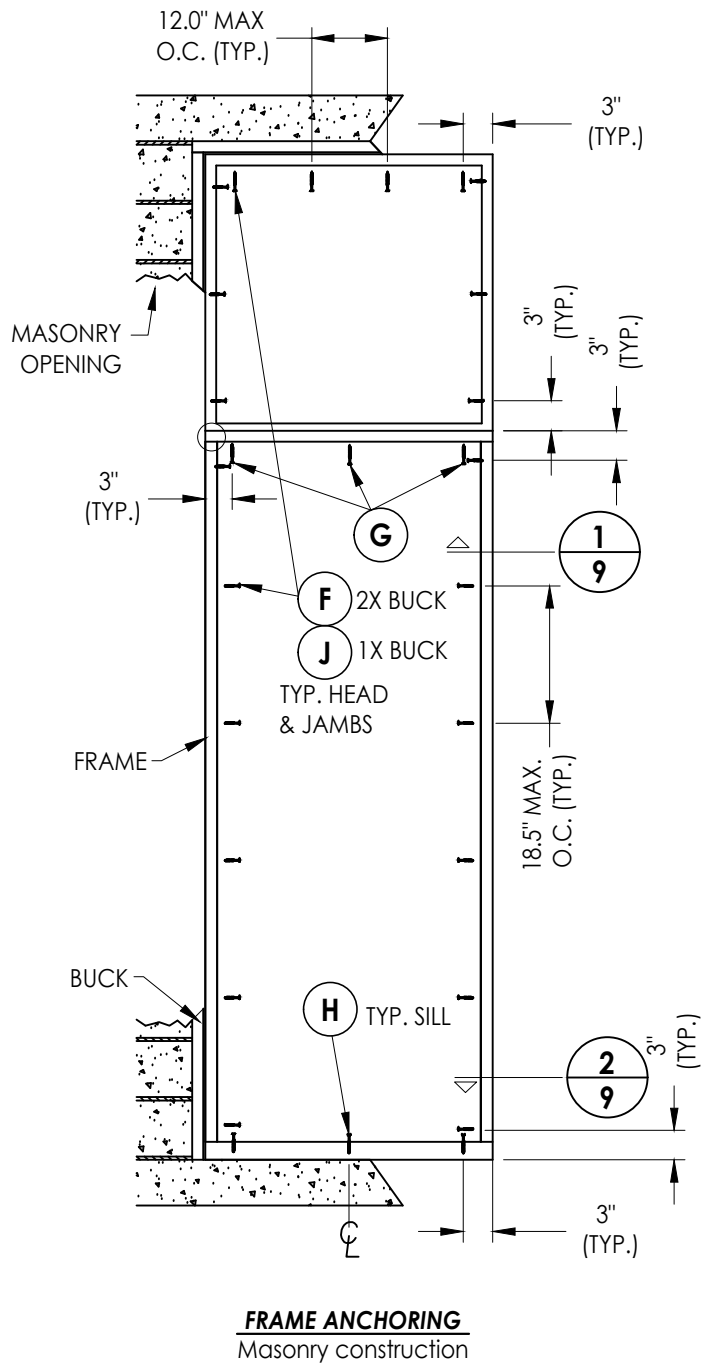
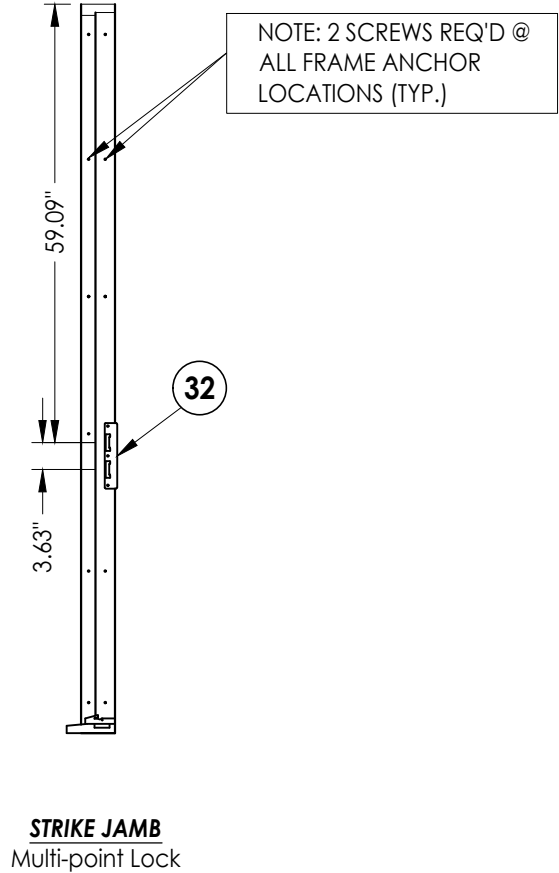
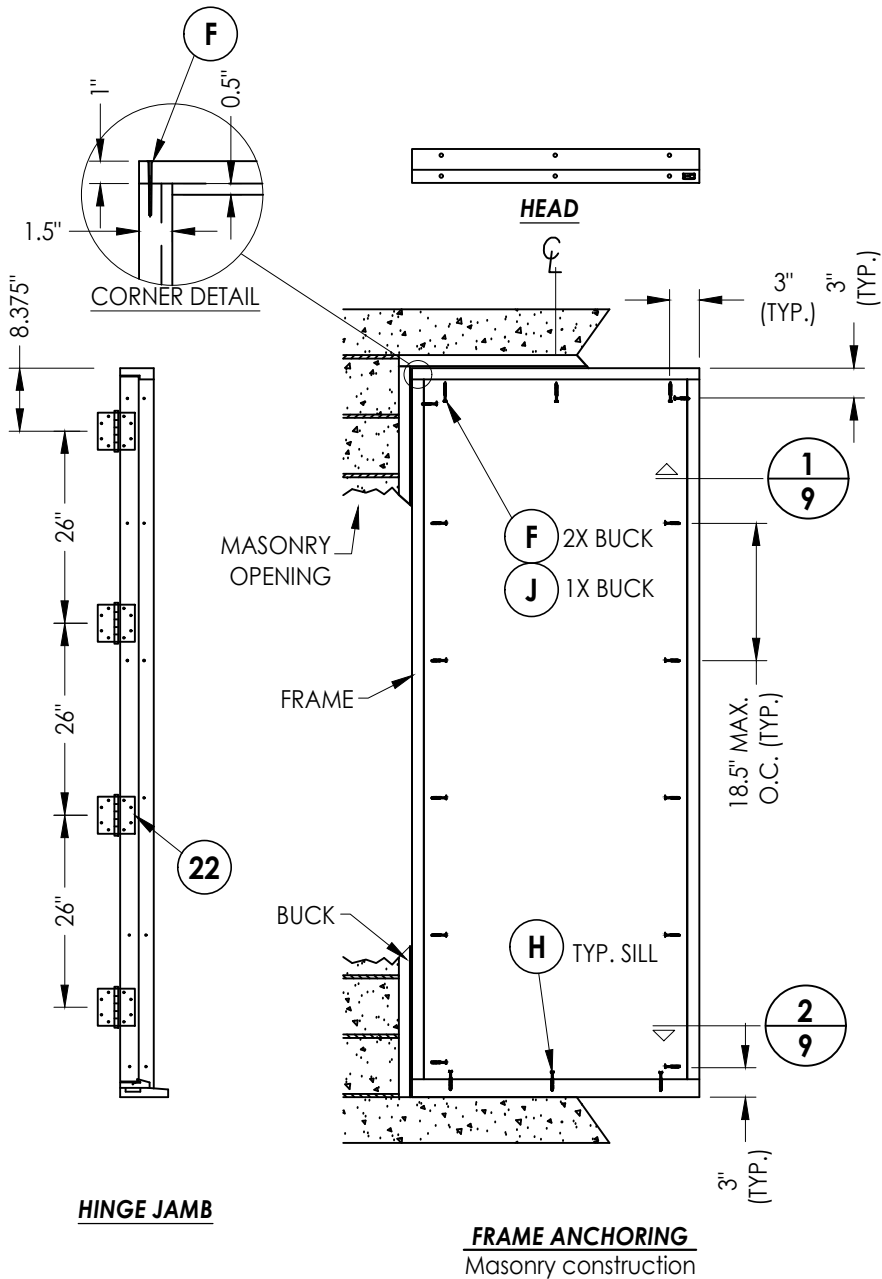
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

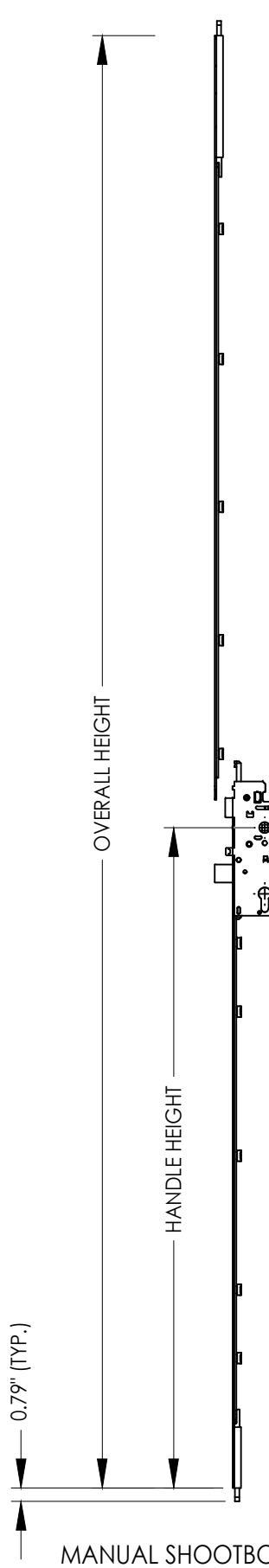
DRAWING NO.:
FL-14763.3

SHEET 7 OF 11

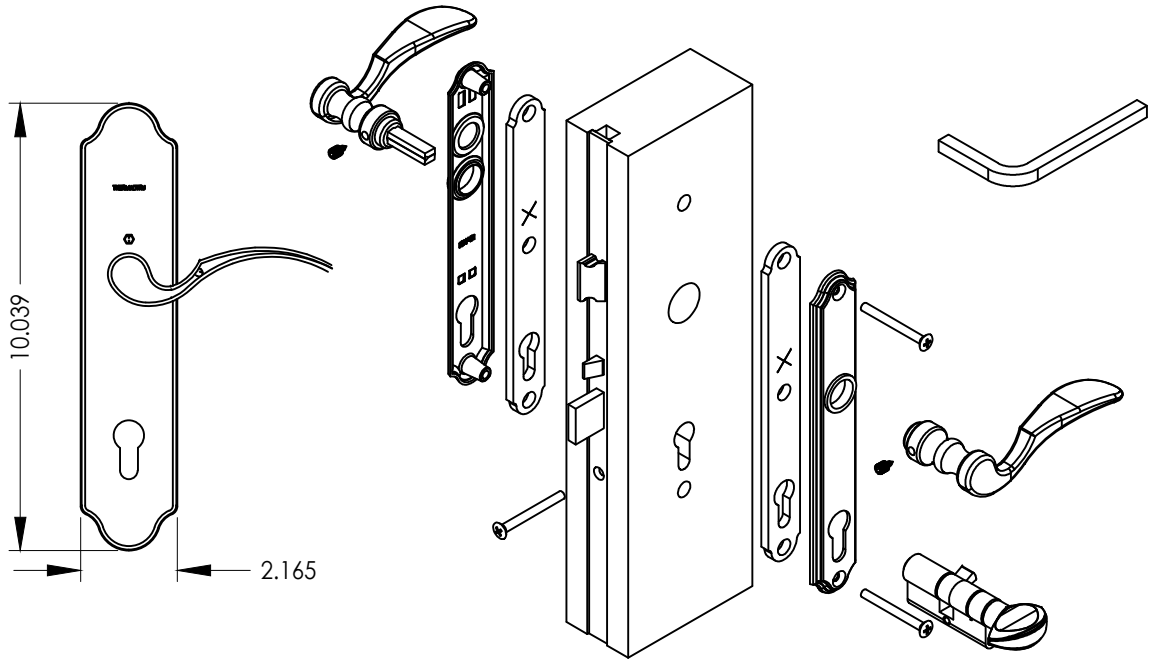


- CONCRETE ANCHOR NOTES:**
- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
 - Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required 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" |
| 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.

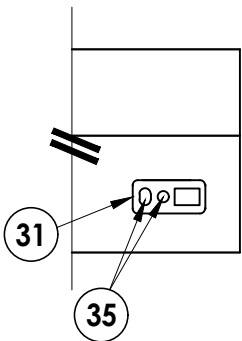
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: MILLWORK ARTISANS WOOD DOOR				PART OR ASSEMBLY: FRAME ANCHORING			



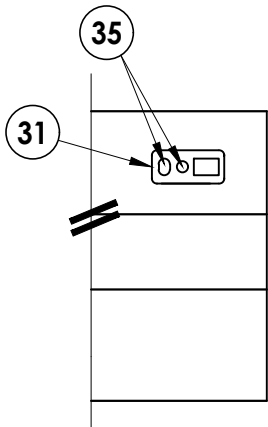
MANUAL SHOOTBOLT GEAR SYSTEM



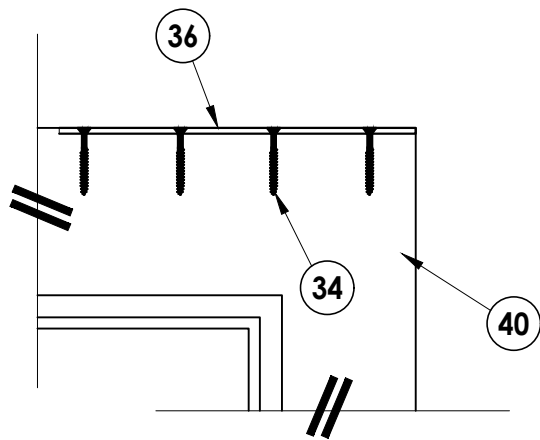
30 HOPPE MULTI-POINT LOCKSET
Shootbolt
Active Door (3-point system)



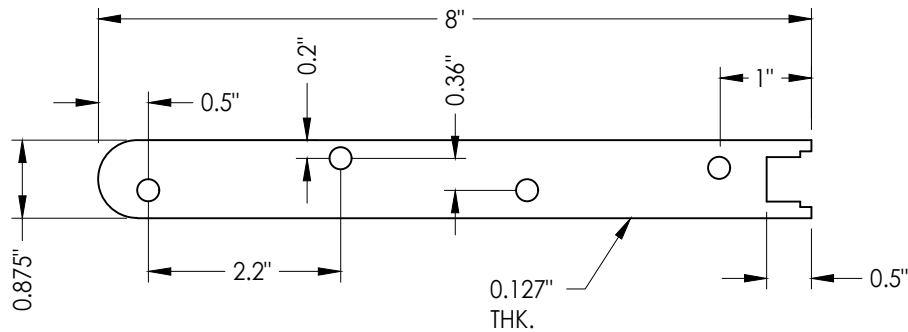
1 MULTI-POINT STRIKE INSTALLATION
9 View looking up @ head



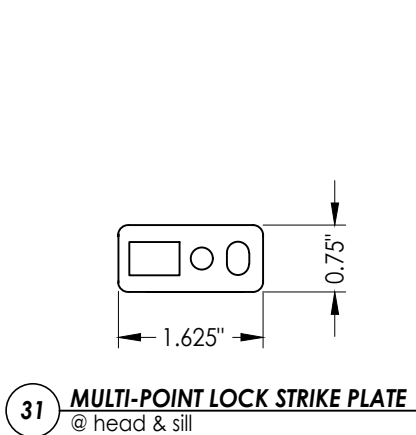
2 MULTI-POINT STRIKE INSTALLATION
9 View looking down @ sill



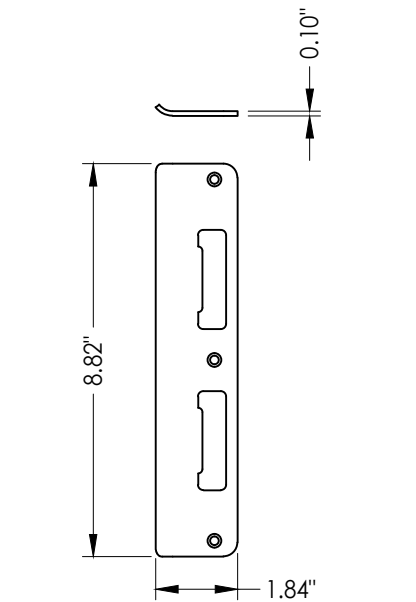
DOOR REINF. FOR MULTI-POINT LOCK
Typical at top & bottom of door



36 REINFORCEMENT PLATE
Multi-point lock assy.



31 MULTI-POINT LOCK STRIKE PLATE
@ head & sill



32 LATCH & DEADBOLT STRIKE PLATE
Shootbolt system

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

PRODUCT:
MILLWORK ARTISANS
WOOD DOOR

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

DATE: 08/24/11

SCALE: N.T.S.

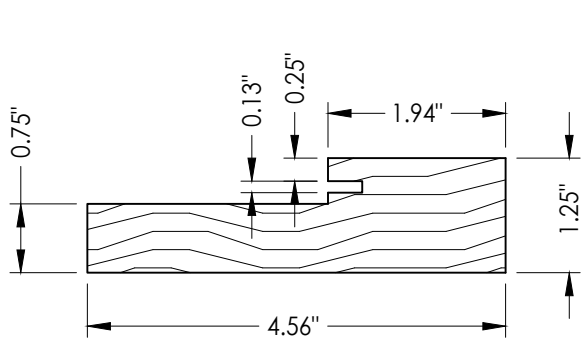
DWG. BY: JK

CHK. BY: LFS

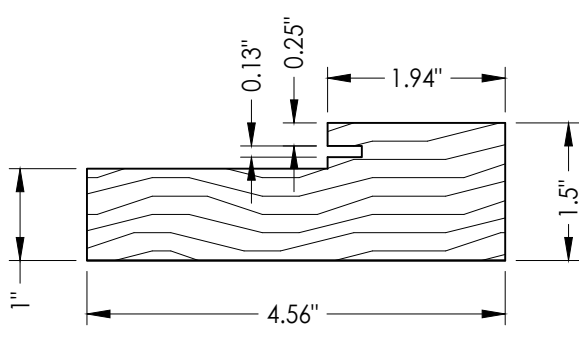
DRAWING NO.: FL-14763.3

SHEET 9 OF 11

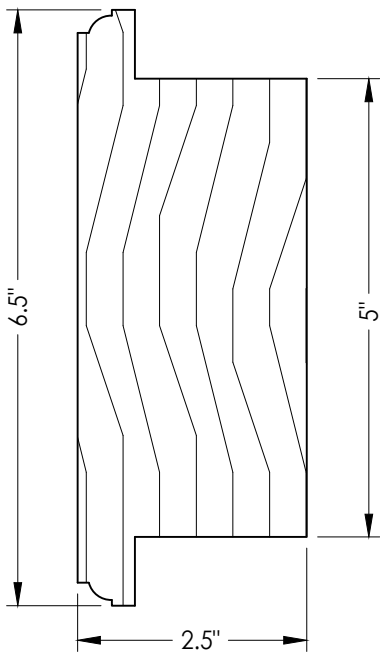
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



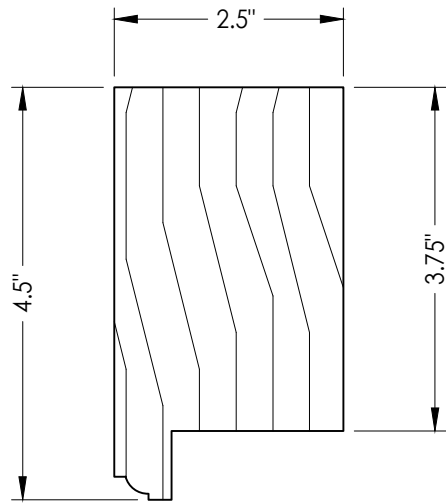
1 HEAD & SIDE JAMB



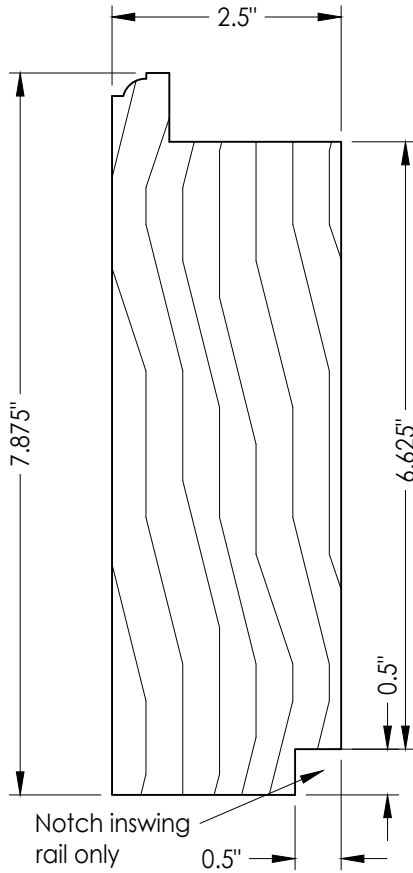
1A HEAD JAMB
w/ Transom



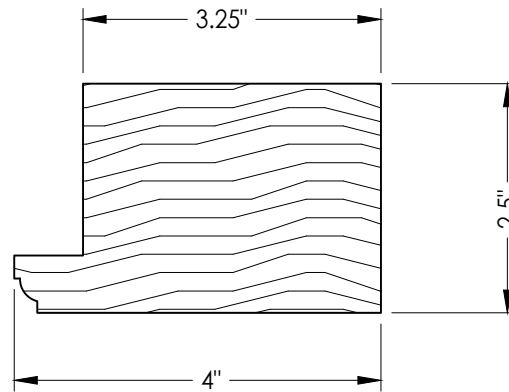
5 INTERMEDIATE RAIL



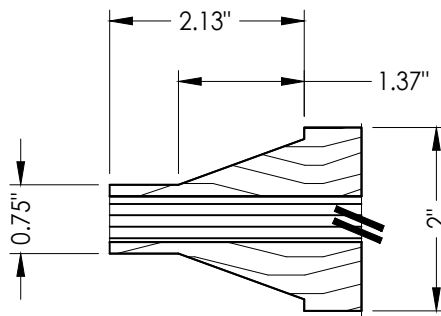
2 TOP RAIL



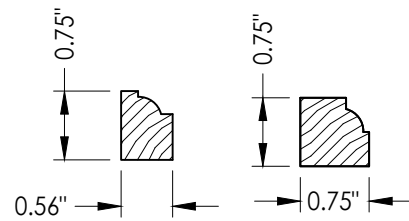
3 BOTTOM RAIL



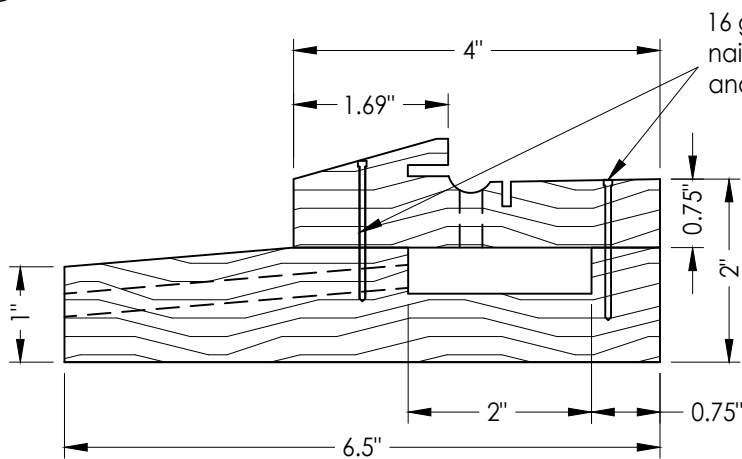
4 STILE



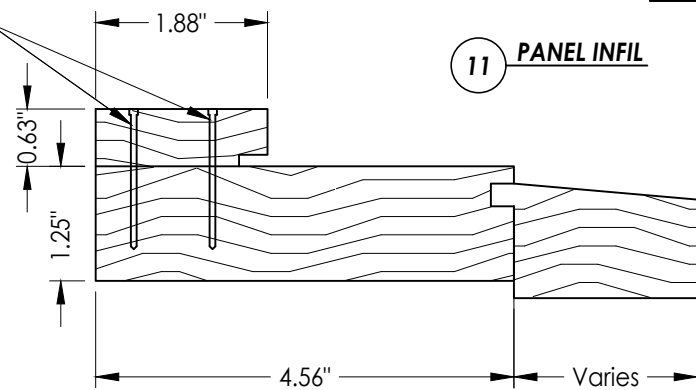
11 PANEL INFIL



12 PANEL / GLASS STOPS



20 INSWING SILL



21 OUTSWING SILL

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 Registry No. 9813

PRODUCT:
MILLWORK ARTISANS
WOOD DOOR

PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
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

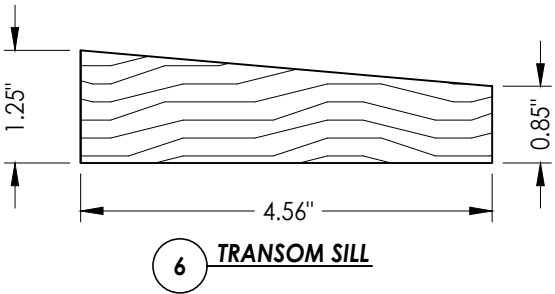
DRAWING NO.: FL-14763.3

SHEET 10 OF 11

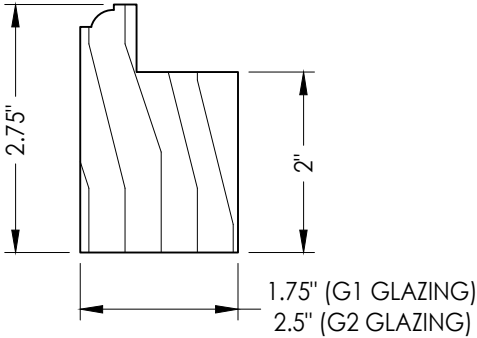
Z:\2023 FBC Drawings\Millwork Artisans, LLC\FL-14763 R5\FL-14763.1-5.dwg

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
G	#8 X 3" FH WOOD SCREW	STEEL
J	1/4" X 3-3/4" FH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#7 X 3-1/2" TRIM SCREW	STEEL
1	HEAD AND SIDE JAMB	WOOD
1A	HEAD JAMB (w/ TRANSOM)	WOOD
2	TOP RAIL	WOOD
3	BOTTOM RAIL	WOOD
4	STILE	WOOD
5	INTERMEDIATE RAIL	WOOD
6	TRANSOM SILL	WOOD
7	TRANSOM HEAD AND SIDE JAMB	WOOD
8	TRANSOM TOP RAIL & STILE	WOOD
9	TRANSOM BOTTOM RAIL	WOOD
11	PANEL INFIL	WOOD
12	PANEL/GLASS STOPS	WOOD
13	WEATHERSTRIP (QLON)	FOAM
17	18 GA. X 1-1/4" 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
30	3-POINT "SHOOTBOLT" MULTI-POINT LOCKSET (HOPPE)	-
31	MULTI-POINT LOCK STRIKE PLATE	STEEL
32	LATCH & DEADBOLT STRIKE PLATE	STEEL
33	#8 X 5/8" FH WOOD SCREW	STEEL
34	#8 X 1-3/4" FH WOOD SCREW	STEEL
35	#8 X 1" FH WOOD SCREW	STEEL
36	SHOOTBOLT REINFORCEMENT PLATE	STEEL
37	TRANSOM PANEL	-
40	WOOD DOOR PANEL	-

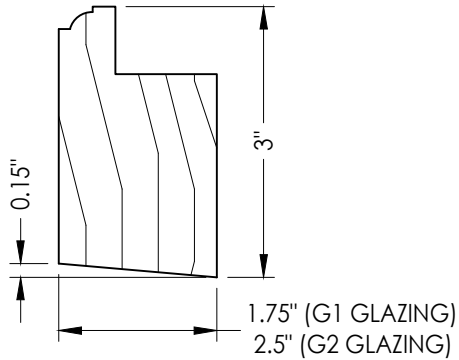
All door components to be Sapele (Specific Gravity = 0.55 minimum).



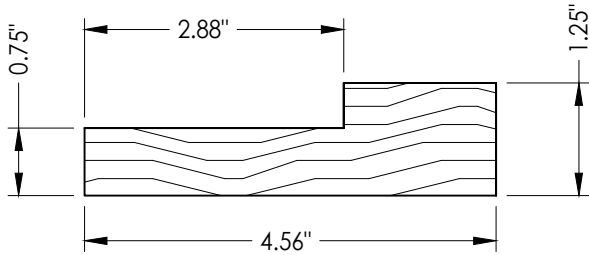
6 TRANSOM SILL



8 TRANSOM TOP RAIL & STILE



9 TRANSOM BOTTOM RAIL



7 TRANSOM HEAD & SIDE JAMB

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:		BILL OF MATERIALS & COMPONENTS		
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-14763.3				
SHEET 11 OF 11				