

MILLWORK ARTISANS

145 KING STREET
CHARLESTON, SC 29401

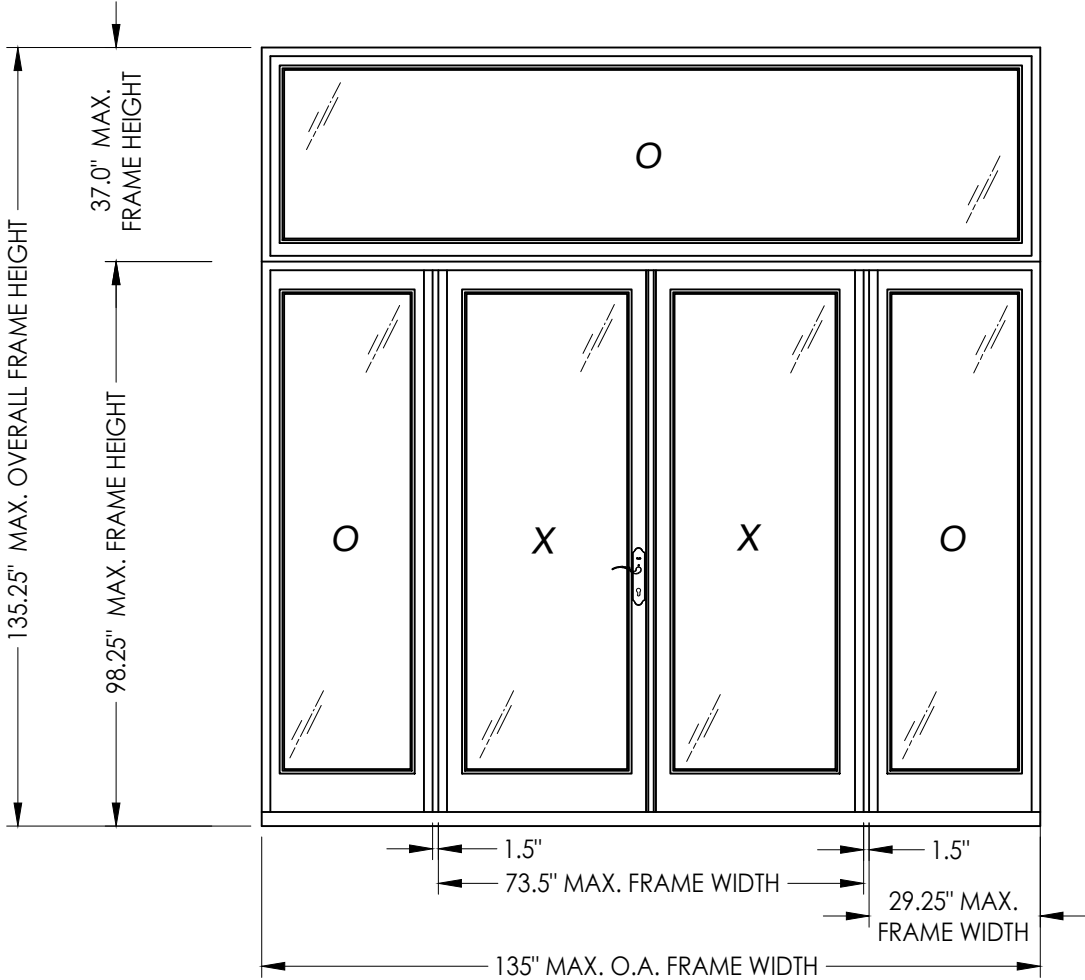
OPAQUE OR GLAZED
WOOD DOUBLE DOOR & TRANSOM
w/ or w/o SIDELITES

INSWING / OUTSWING
"IMPACT"

GENERAL NOTES

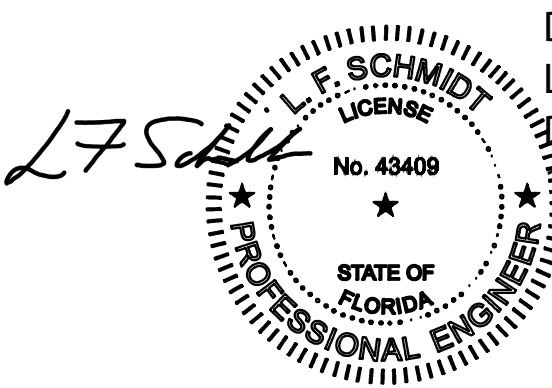
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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	Sidelite panel details and glazing details
4	Transom panel details and glazing details
5	Elevations
6	Horizontal cross sections
7	Vertical cross sections
8	Vertical cross sections
9	Buck anchoring
10	Frame anchoring
11	Multi-point lock details
12	Components
13	Bill of materials and components



FULL GLAZED PANELS SHOWN

CONFIGURATION	MAX. FRAME DIMENSION	GLAZING	DESIGN PRESSURE (PSF)	
			INSWING	
			POSITIVE	NEGATIVE
O XX	73.5" x 135.25"	G1, G2	+40.0	-40.0
O OXXO	135.0" x 135.25"	G1	+40.0	-40.0



Digitally signed by
Lyndon F Schmidt
Date: 2023.09.14
13:42:19 -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

DATE: 06/17/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

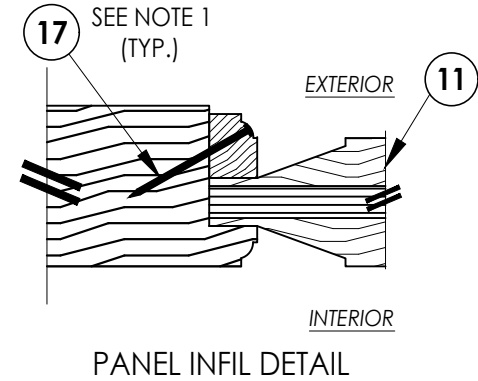
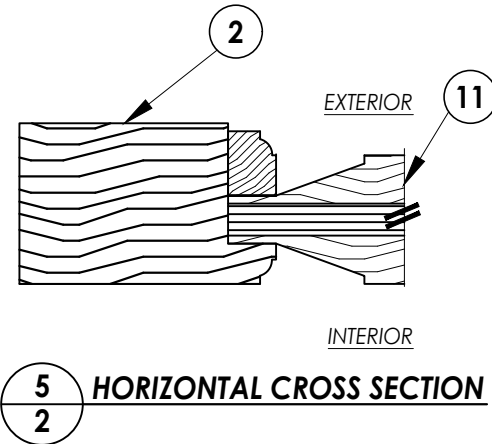
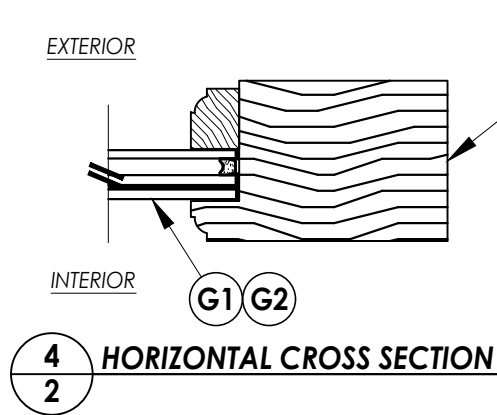
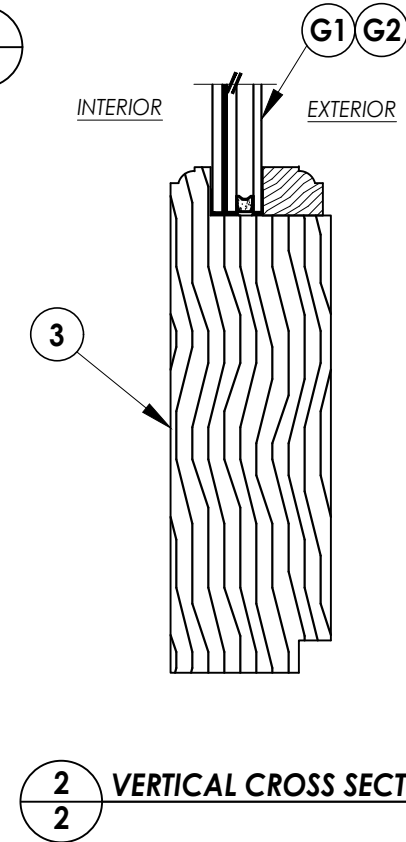
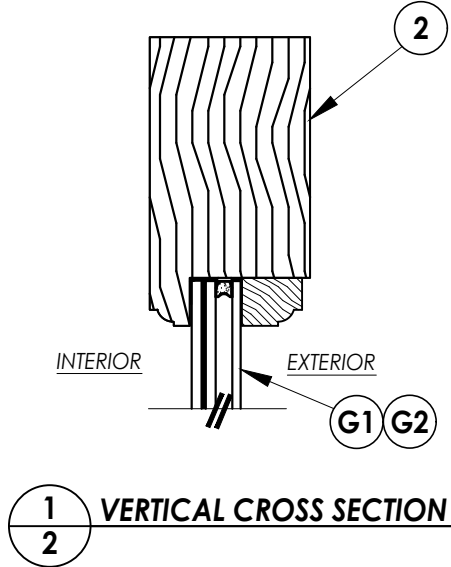
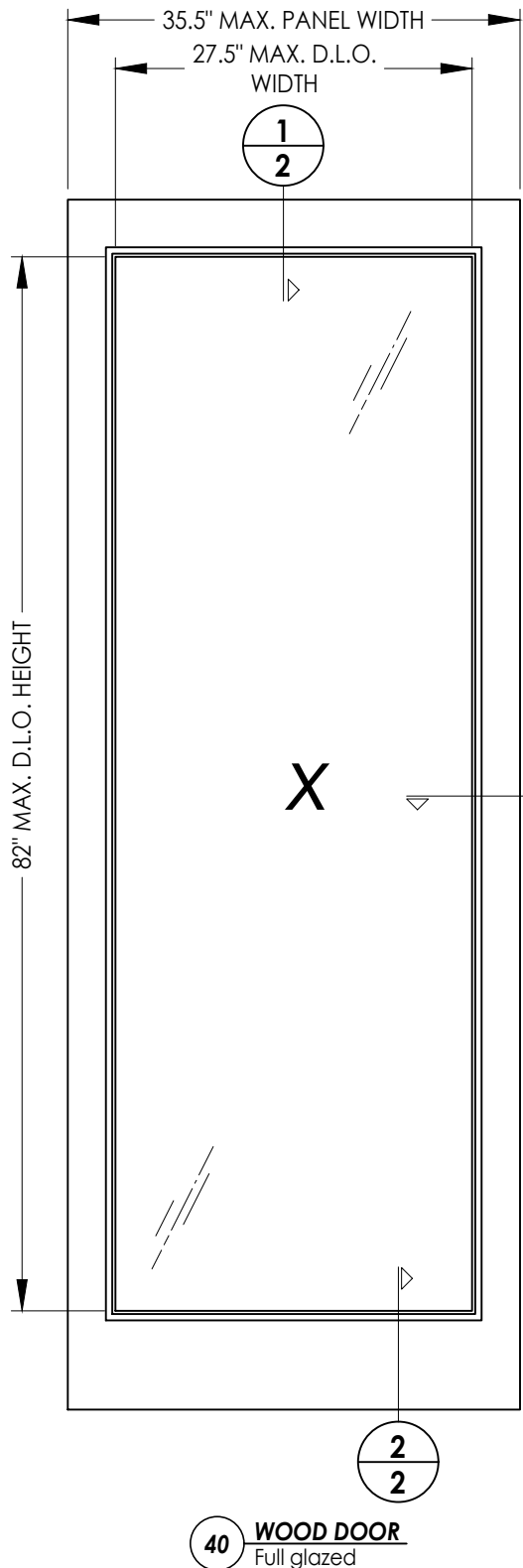
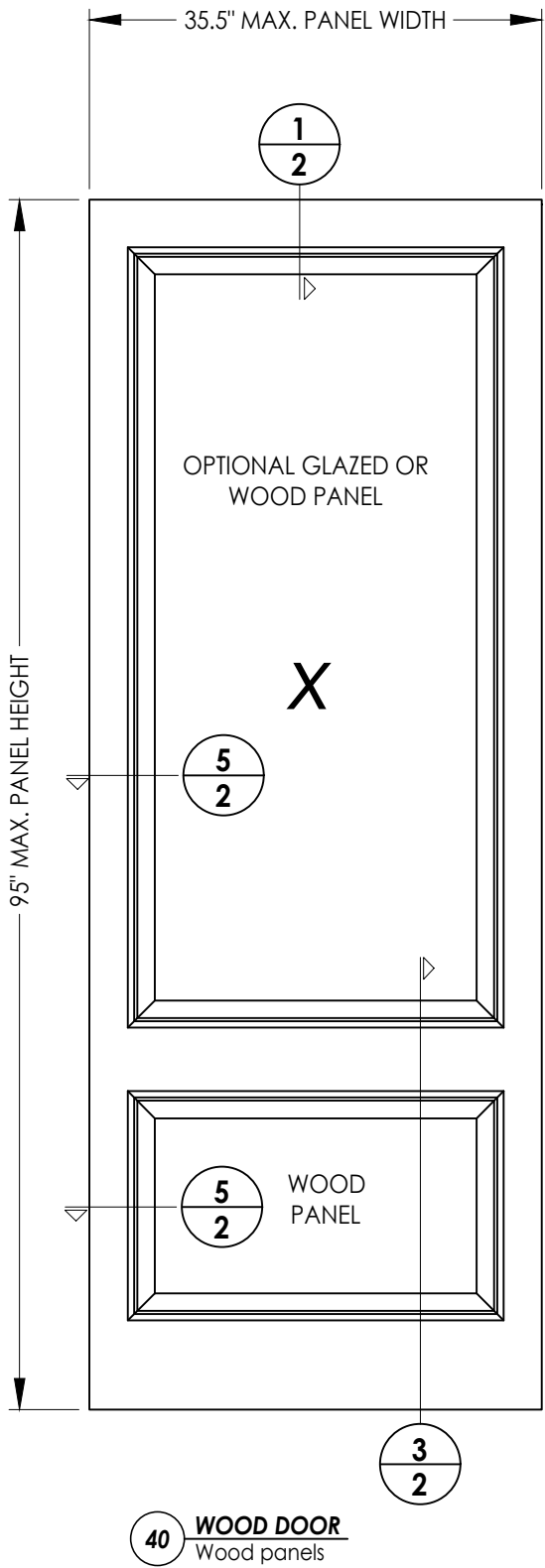
DRAWING NO.: FL-14763.5

SHEET 1 OF 13

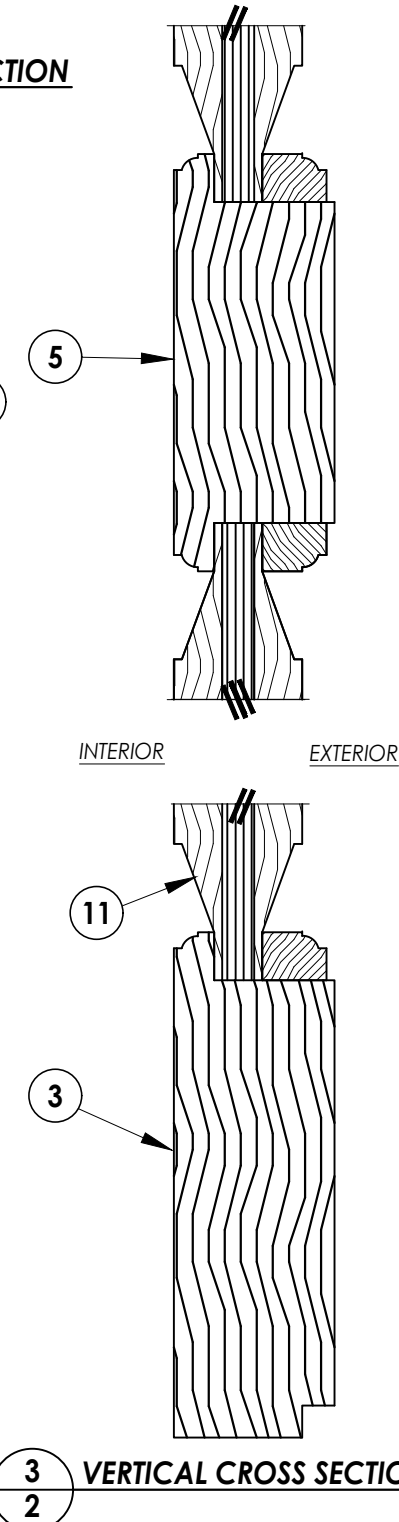
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS

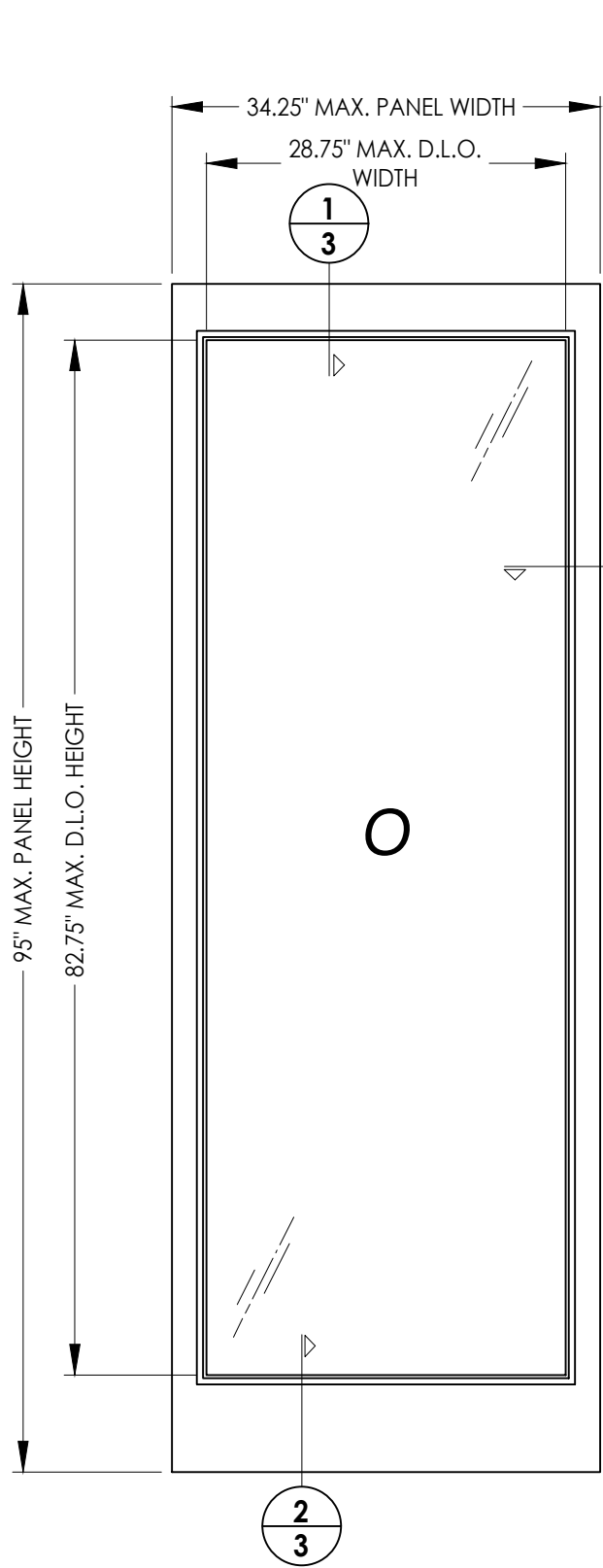
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



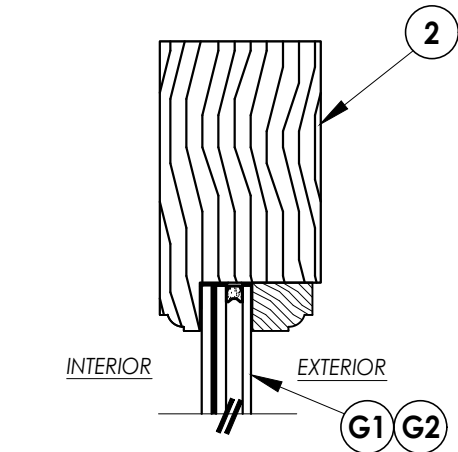
NOTE:
1. Spacing for item #17 is 4" from corners and 12" o.c. thereafter.



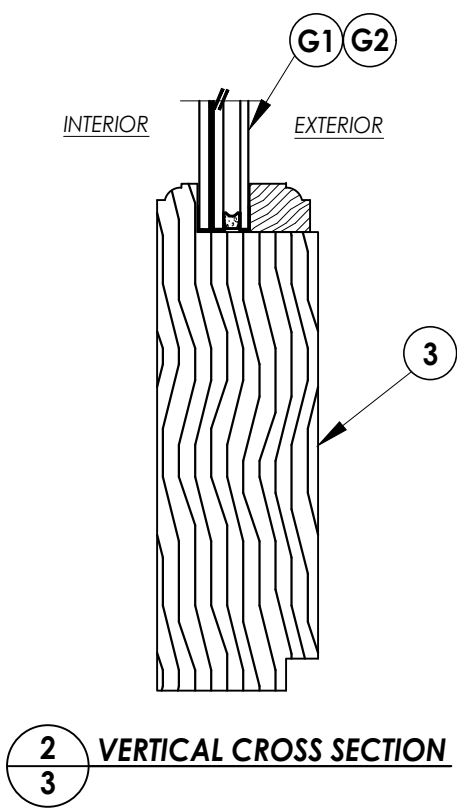
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: MILLWORK ARTISANS WOOD DOOR				PART OR ASSEMBLY: DOOR PANEL DETAILS			
5	9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
4	9/29/20	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			REVISIONS				
DATE: 08/24/11							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-14763.5							
SHEET 2 OF 13							



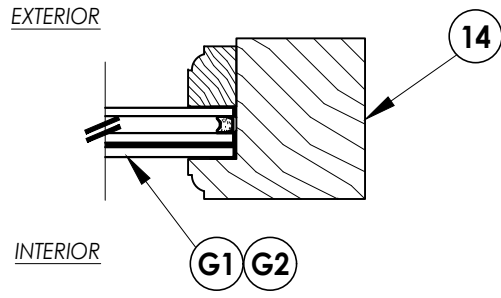
50 **WOOD SIDELITE**
Full glazed



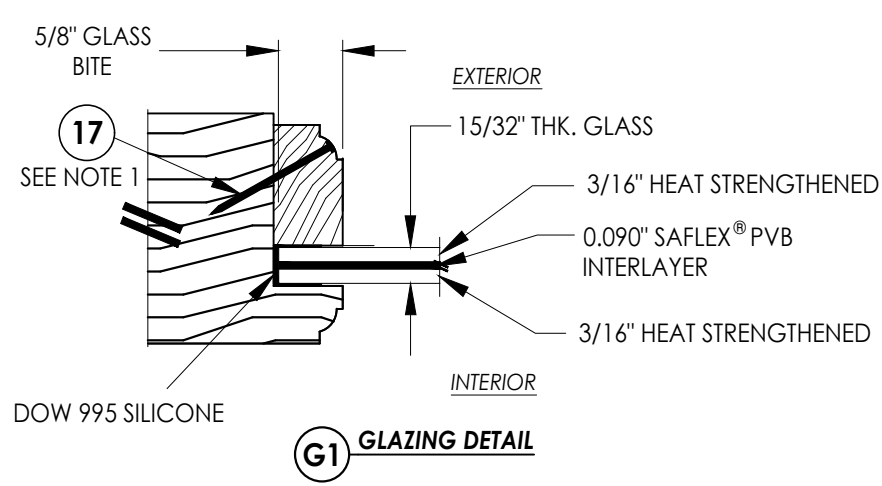
1/3 **VERTICAL CROSS SECTION**



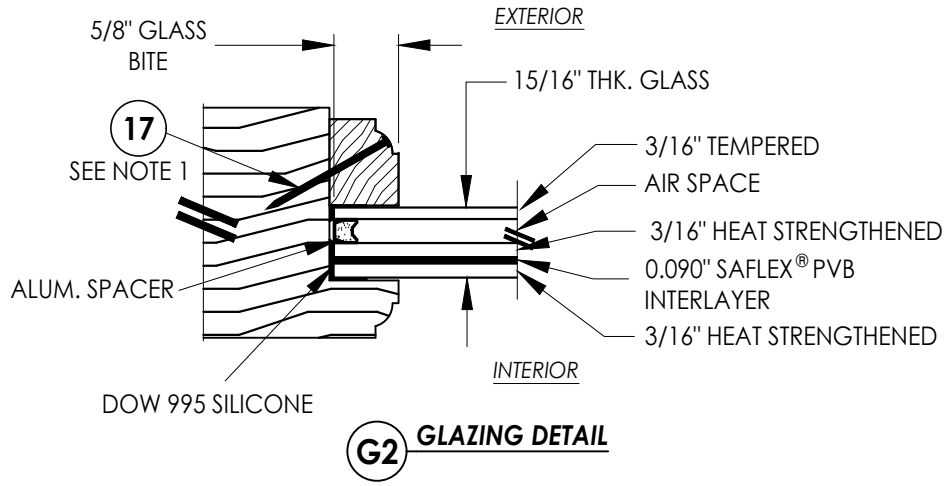
2/3 **VERTICAL CROSS SECTION**



4/3 **HORIZONTAL CROSS SECTION**



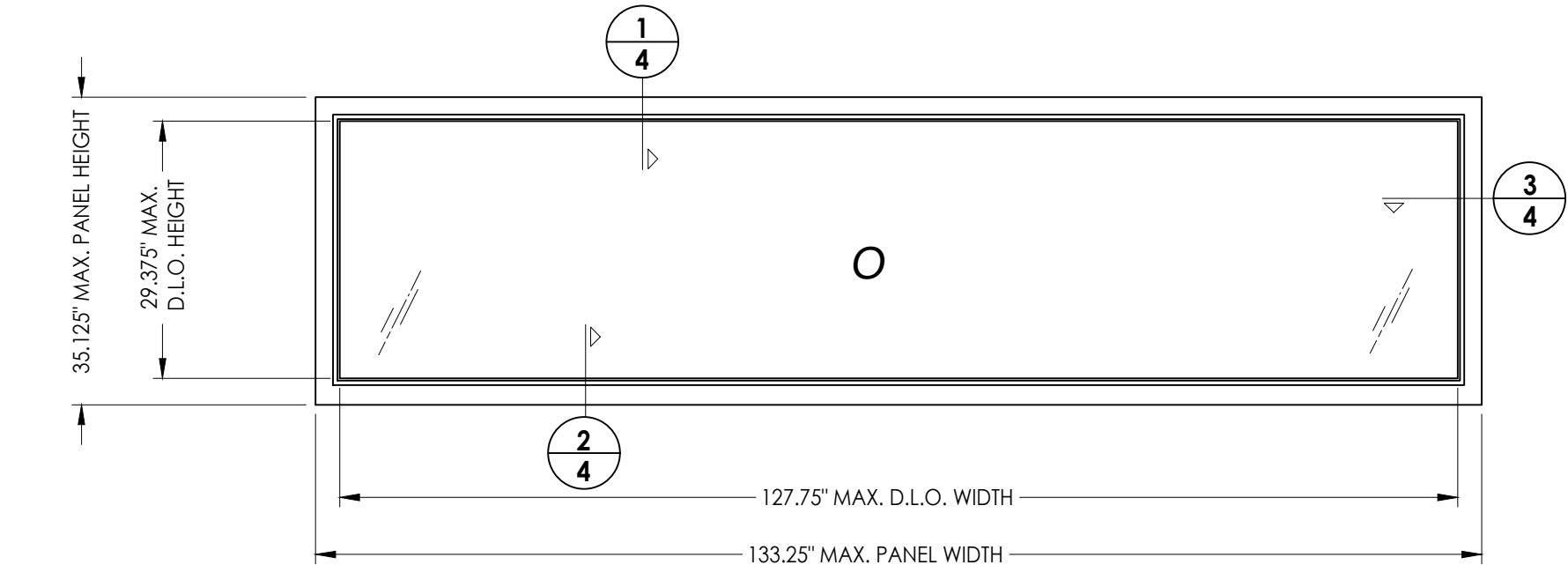
G1 **GLAZING DETAIL**



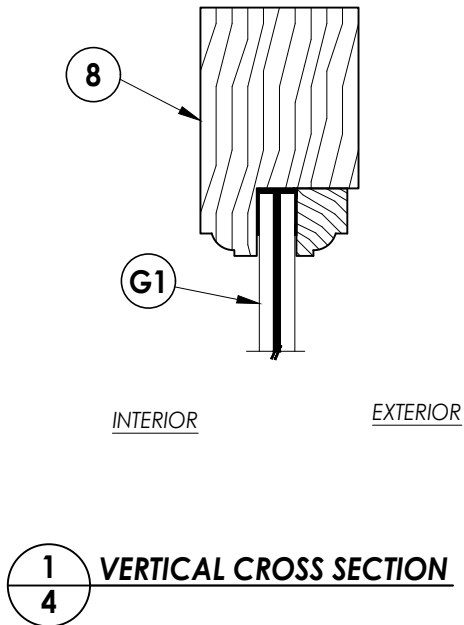
G2 **GLAZING DETAIL**

NOTE:
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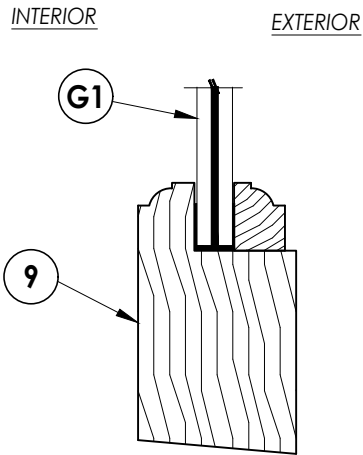
PRODUCT:		MILLWORK ARTISANS WOOD DOOR		PART OR ASSEMBLY:		SIDELITE PANEL DETAILS AND GLAZING DETAILS	



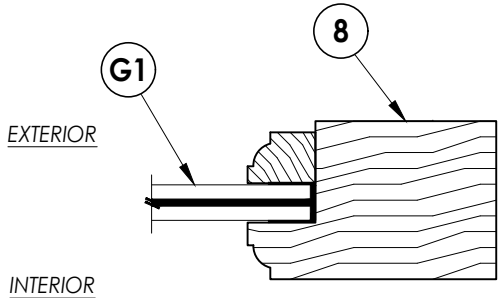
37 **TRANSOM PANEL**



1 **VERTICAL CROSS SECTION**



2 **VERTICAL CROSS SECTION**



1 **HORIZONTAL CROSS SECTION**

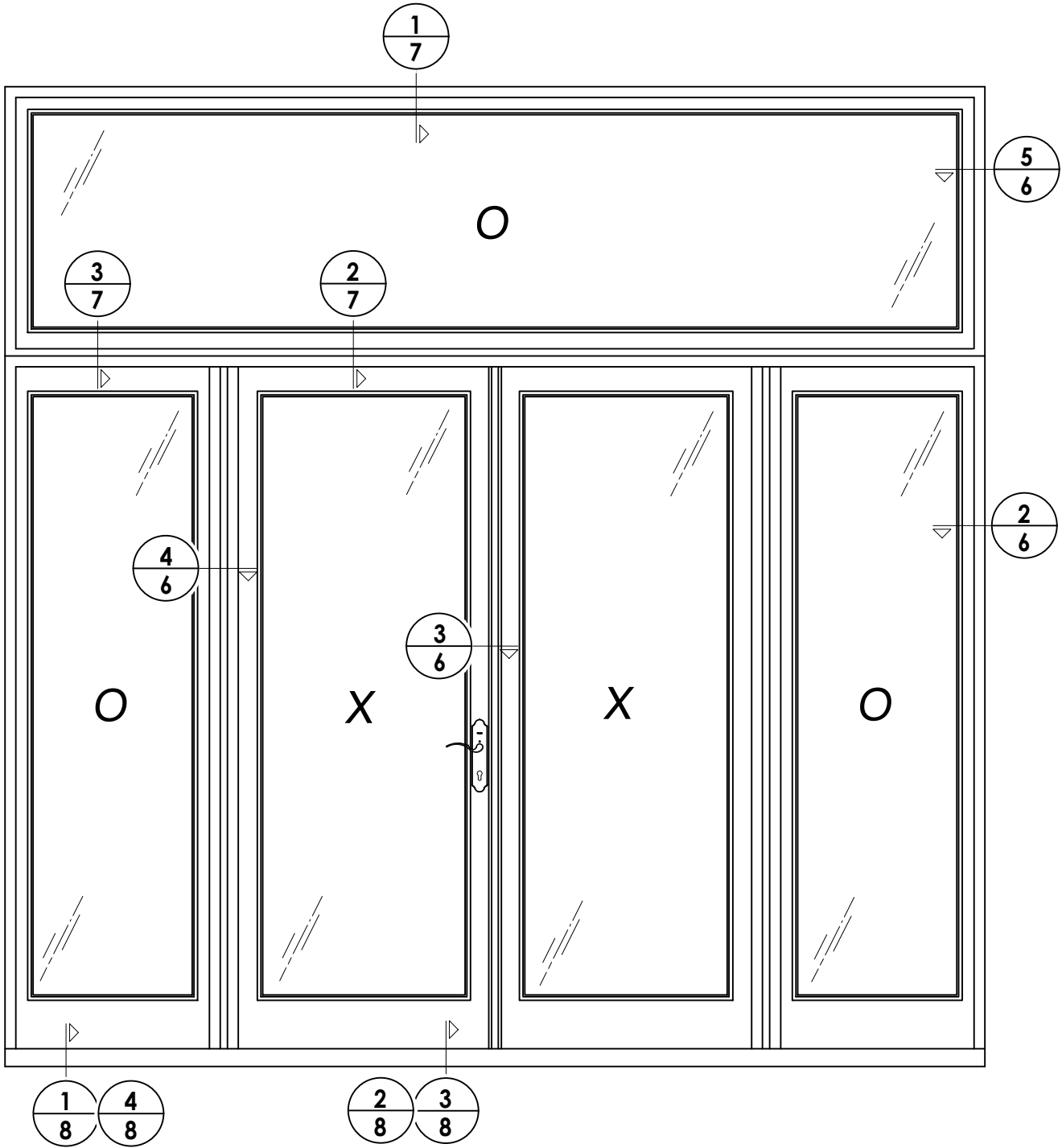
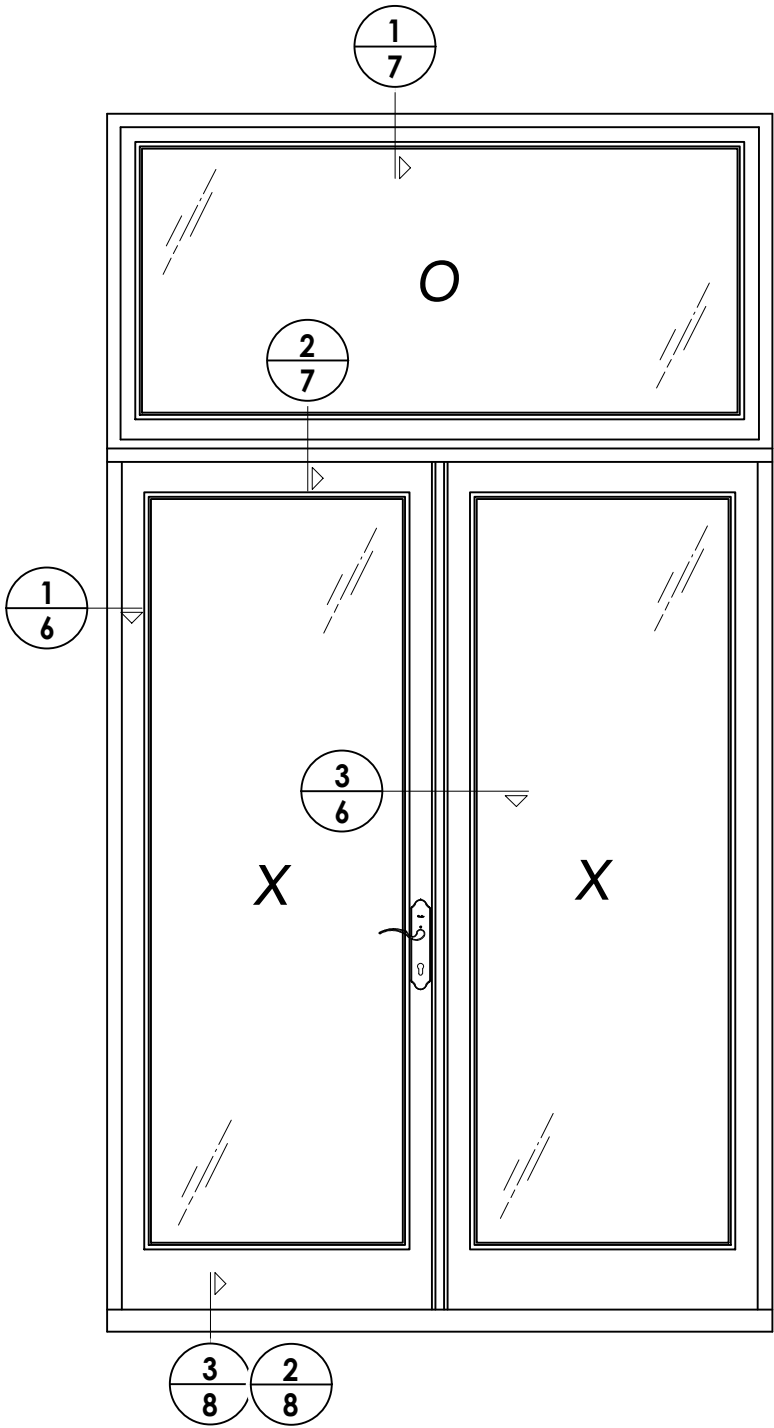
DATE:	08/24/11
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14763.5
SHEET	4 OF 13

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:	TRANSOM PANEL DETAILS & GLAZING DETAILS

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



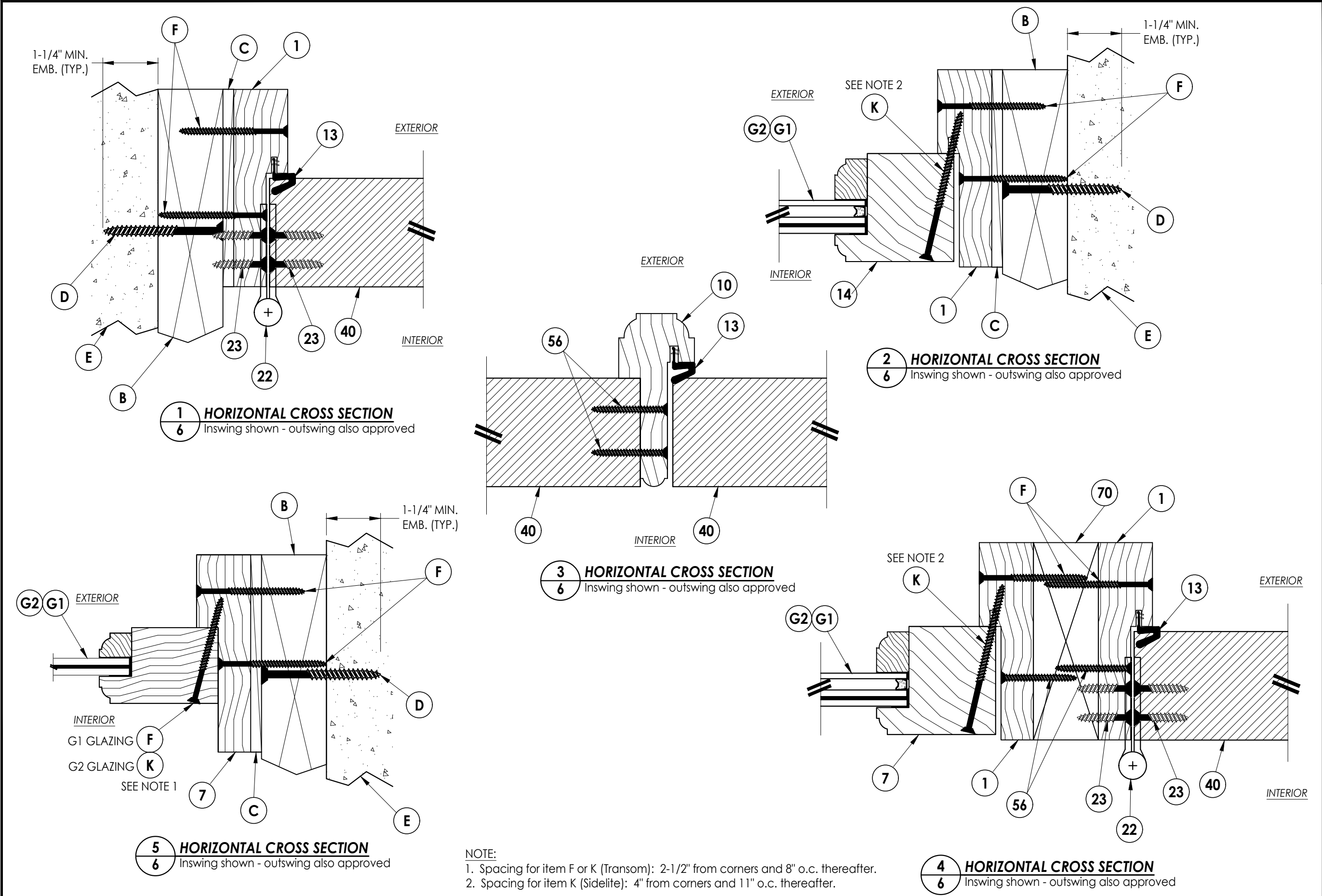
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SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14763.5			
SHEET 5 OF 13			
5	9/14/23	UPDATE TO 8TH ED. (2023)	FBC LFS
4	9/29/20	UPDATE TO 7TH ED. (2020)	FBC LFS
3	10/3/17	UPDATE TO 6TH ED. (2017)	FBC JK
2	4/6/15	UPDATE TO 5TH ED. (2014)	FBC JK
1	4/4/12	UPDATE TO 2010 FBC	FBC JK
NO. DATE			BY

PRODUCT:	MILLWORK ARTISANS
	WOOD DOOR
PART OR ASSEMBLY:	ELEVATIONS

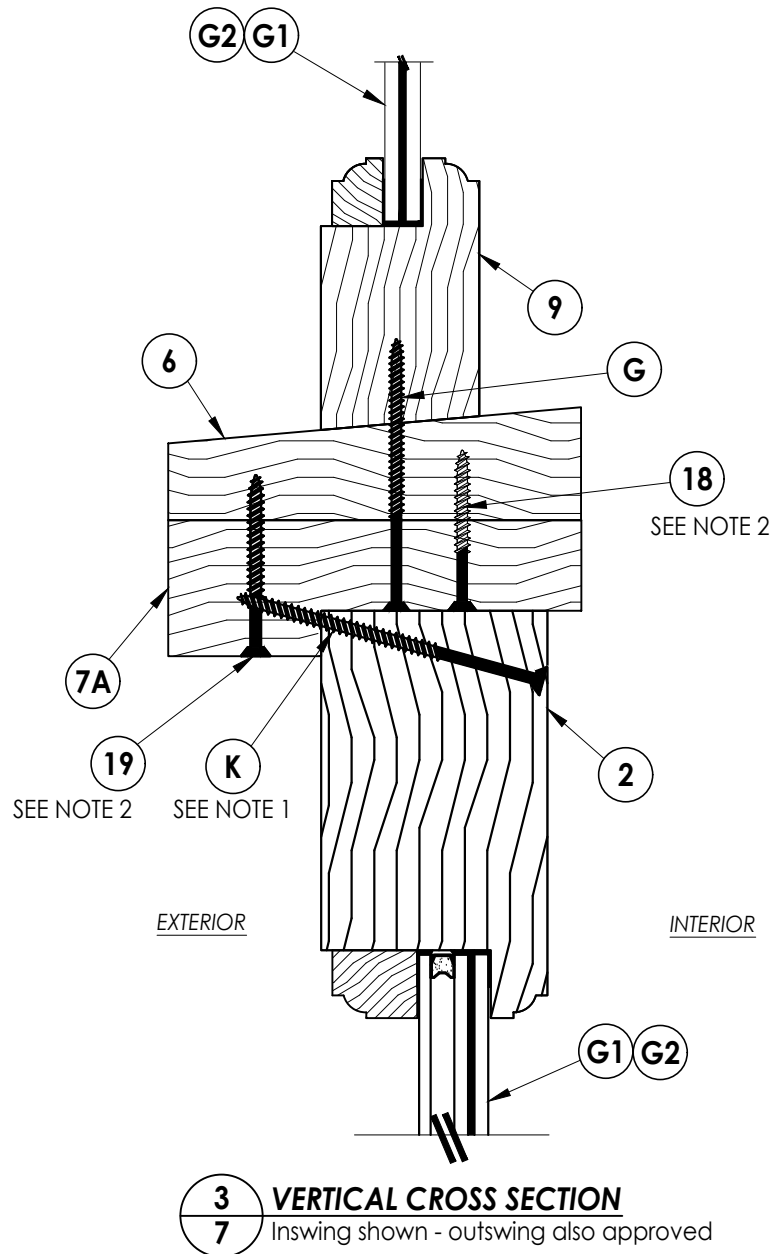
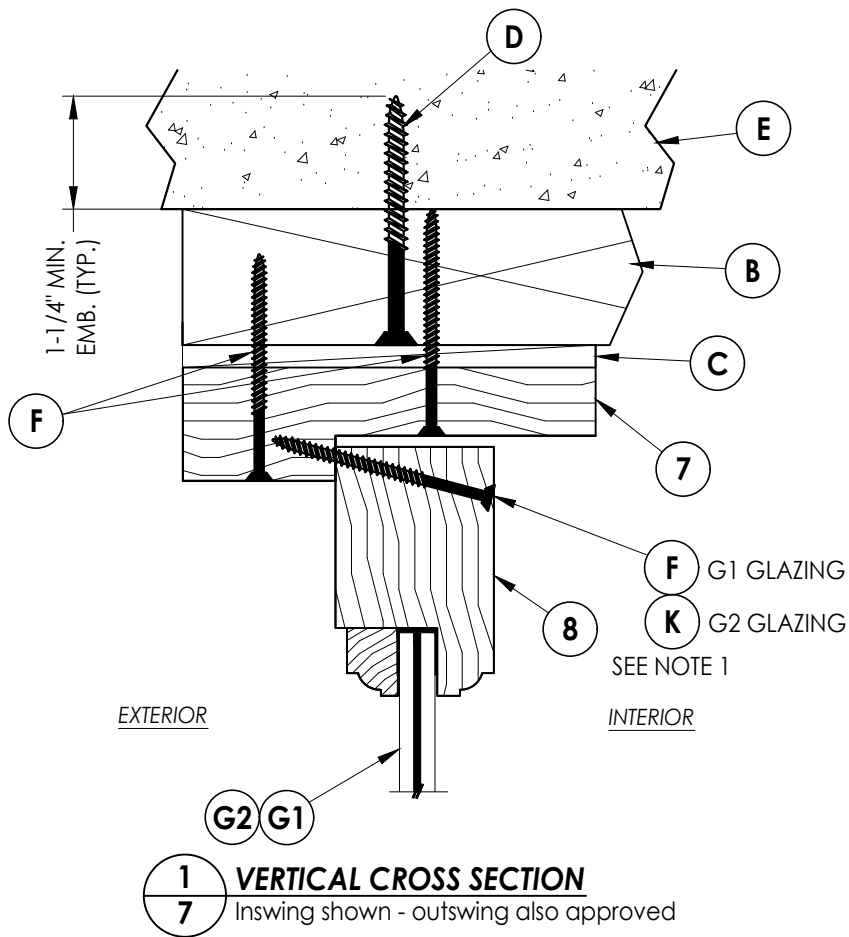
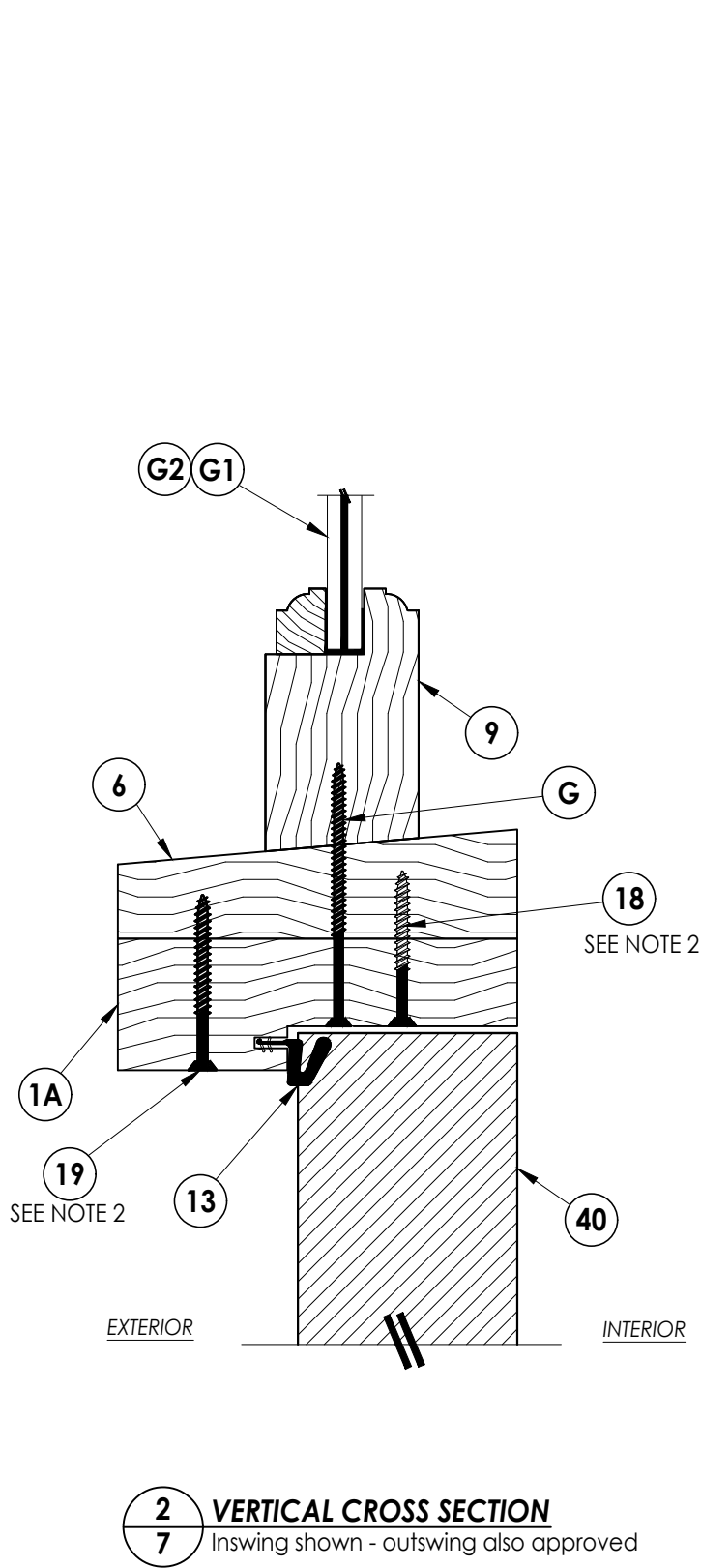
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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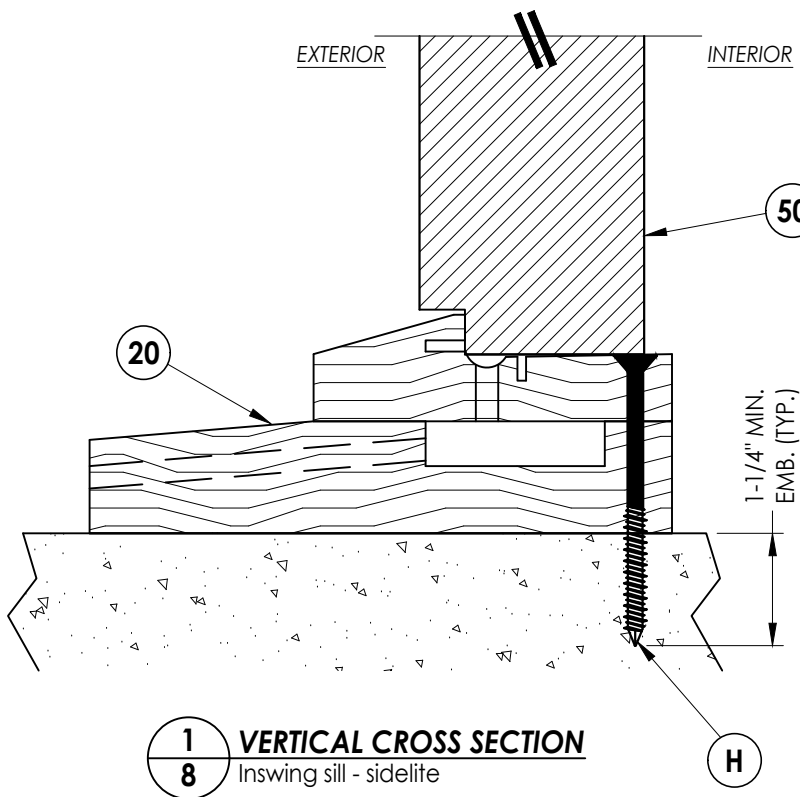
PRODUCT:		MILLWORK ARTISANS WOOD DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DOCUMENTS PREPARED BY:		LYNDON F. SCHMIDT P.E. NO. 43409					
DATE:		08/24/11		SCALE:		N.T.S.	
DWG. BY:		JK		CHK. BY:		LFS	
DRAWING NO.:		FL-14763.5		SHEET		6 OF 13	
REVISIONS		NO.		DATE		BY	
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		JK	



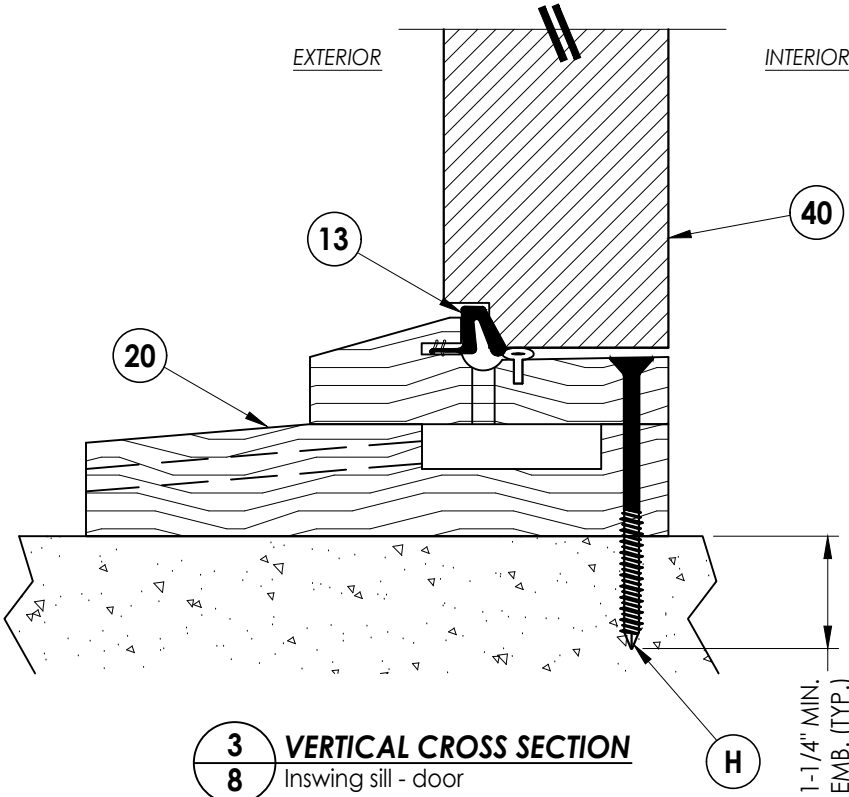
NOTE:
1. Spacing for item F or K (Transom): 4" from corners and 12" o.c. thereafter.
2. Spacing for item K (Sidelite): 4" from corners and 11" o.c. thereafter.
3. Spacing for item #18 & 19: 4" from each end and 12" o.c. thereafter.

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: VERTICAL 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					REVISIONS				
DATE: 08/24/11									
SCALE: N.T.S.									
DWG. BY: JK									
CHK. BY: LFS									
DRAWING NO.: FL-14763.5									
SHEET 7 OF 13									

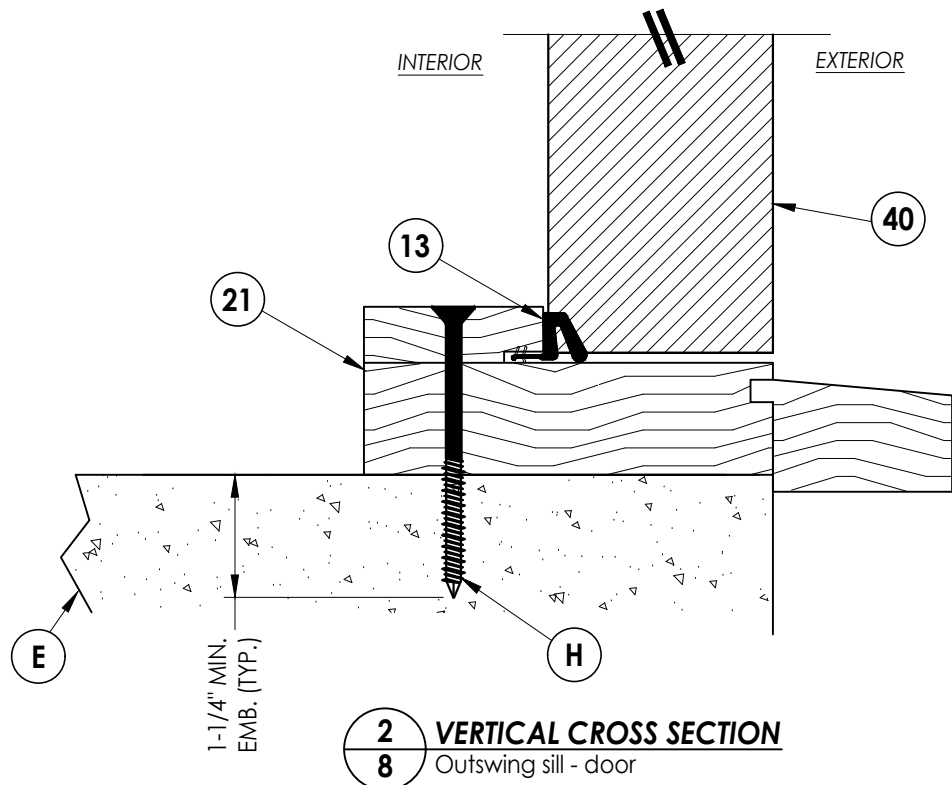
© 2011 R.W. BUILDING CONSULTANTS INC.



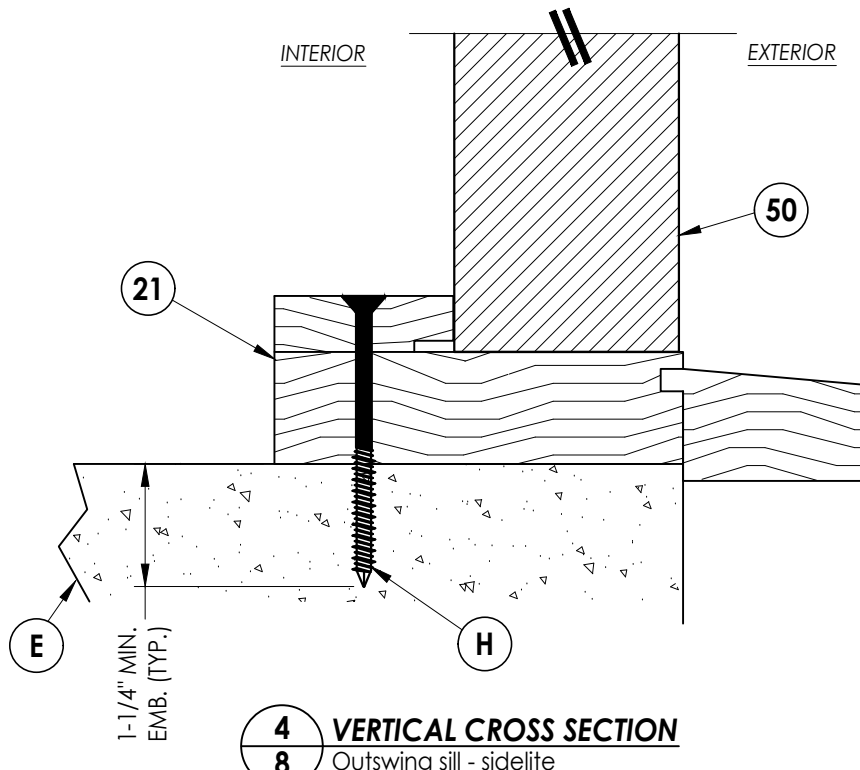
1
8 **VERTICAL CROSS SECTION**
Inswing sill - sidelite



3
8 **VERTICAL CROSS SECTION**
Inswing sill - door



2
8 **VERTICAL CROSS SECTION**
Outswing sill - door



4
8 **VERTICAL CROSS SECTION**
Outswing sill - sidelite

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

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: VERTICAL 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-14763.5							
SHEET 8 OF 13							

BUCK ANCHORING

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"

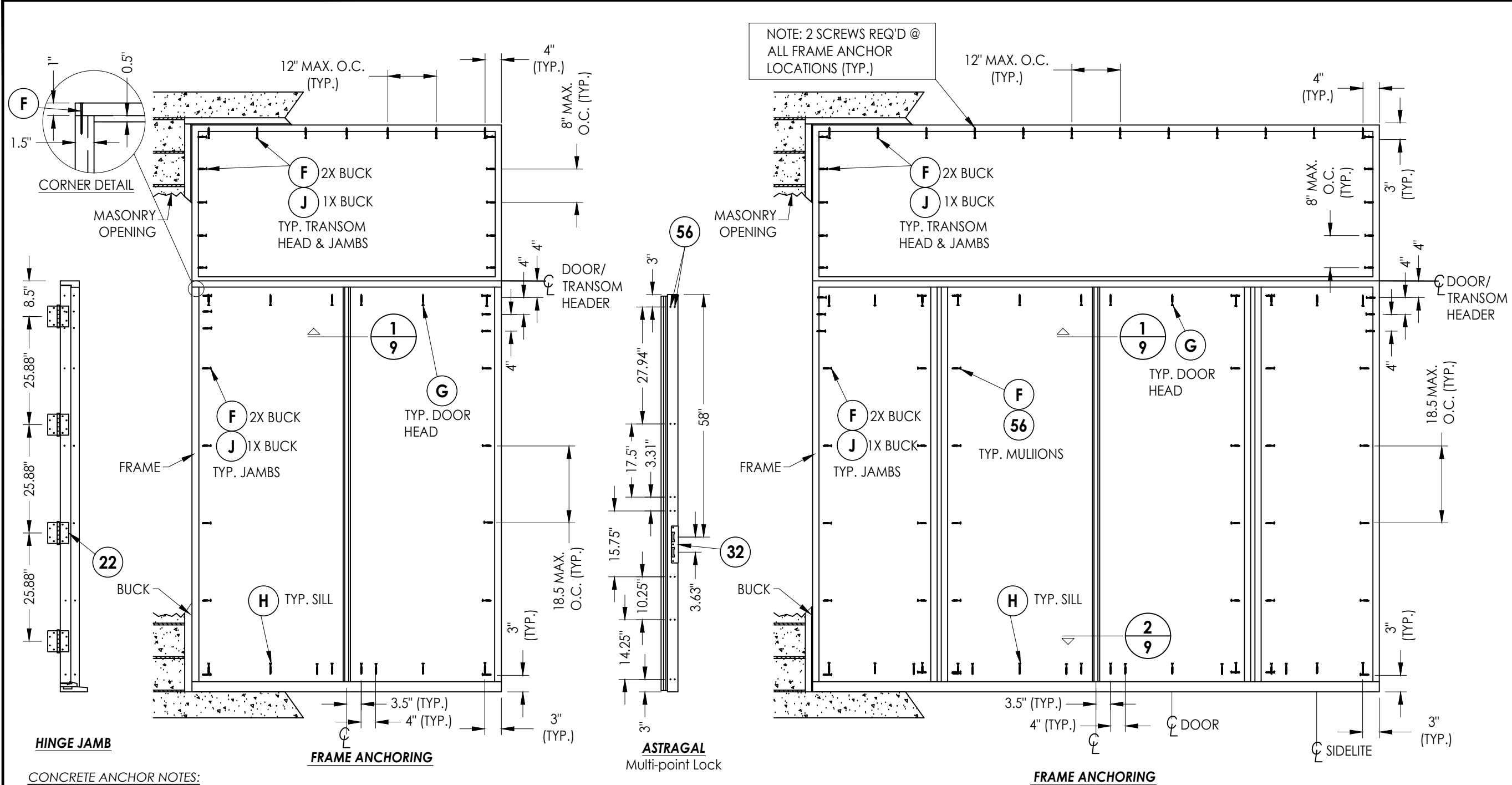
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

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
NO.	DATE				
DATE: 08/24/11					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-14763.5					
SHEET 9 OF 13					

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

R²W
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, 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

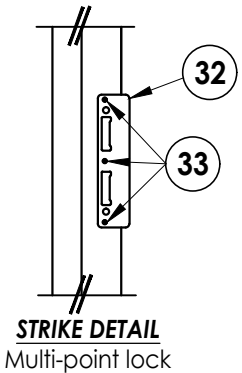
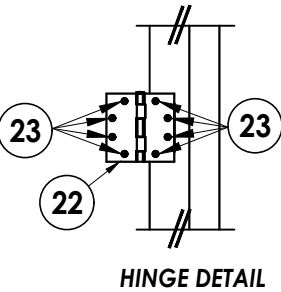


HINGE JAMB

FRAME ANCHORING

ASTRAGAL
Multi-point Lock

FRAME ANCHORING



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

PRODUCT:
MILLWORK ARTISANS
WOOD DOOR

		LFS	FBC	LFS	FBC	JK	JK	JK	BY
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							
	NO.	DATE							

DATE: 08/24/11

SCALE: N.T.S.

DWG. BY: JK

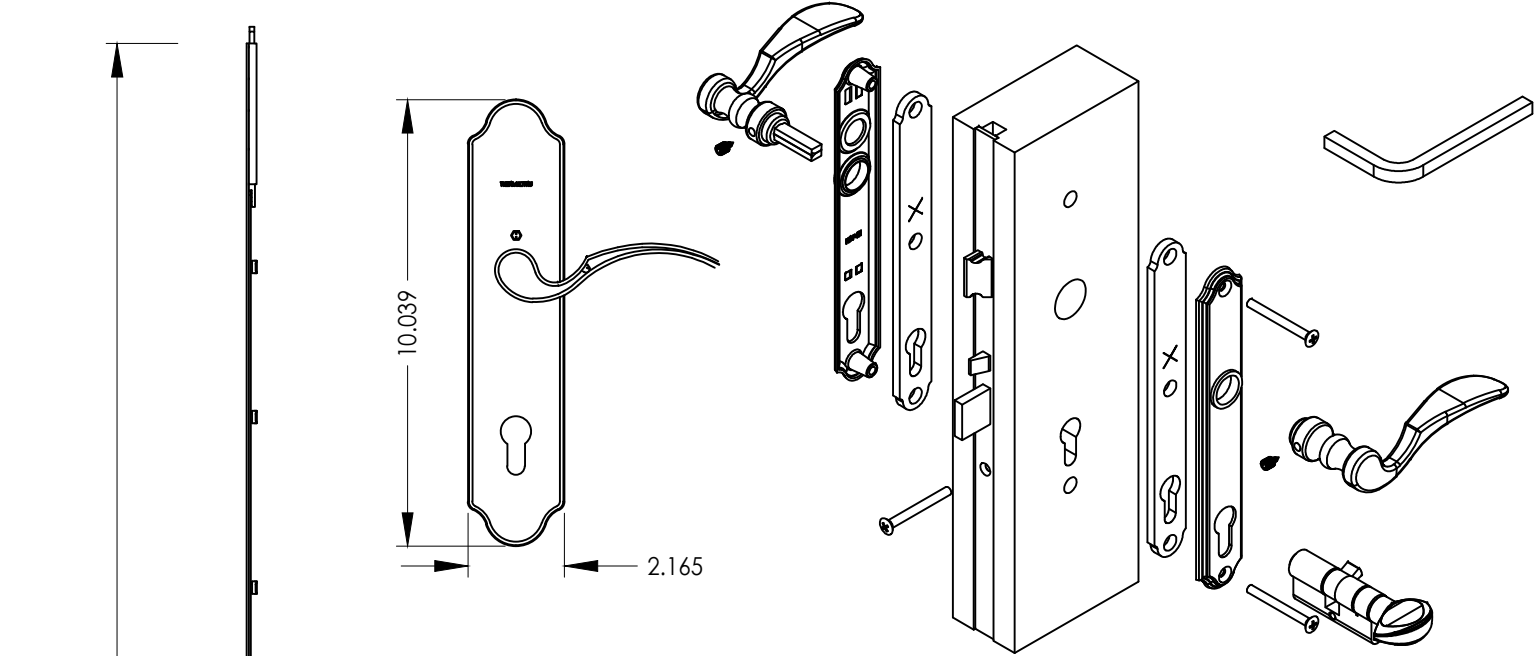
CHK. BY: LFS

DRAWING NO.:

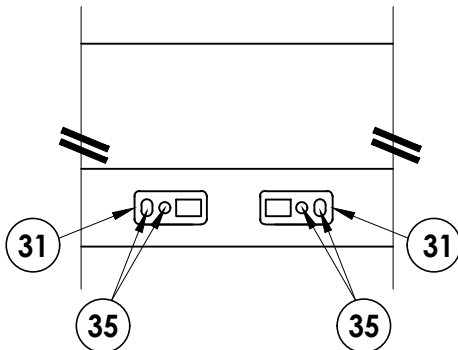
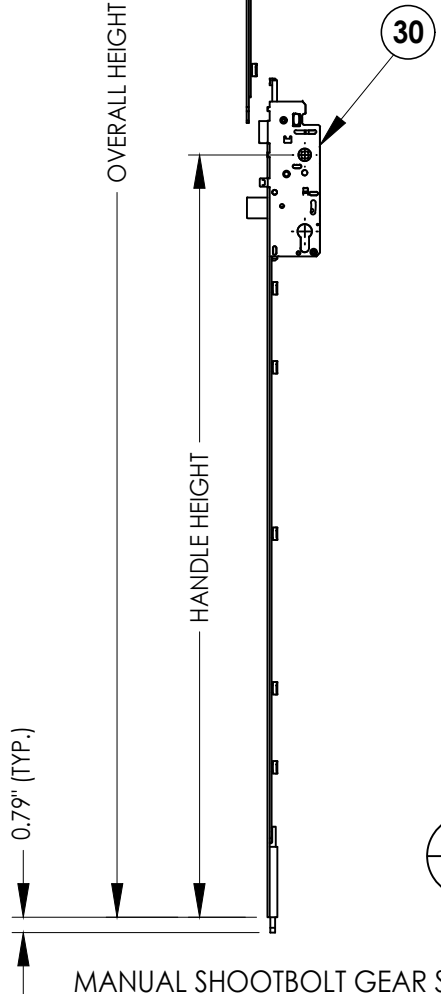
FL-14763.5

SHEET 10 OF 13

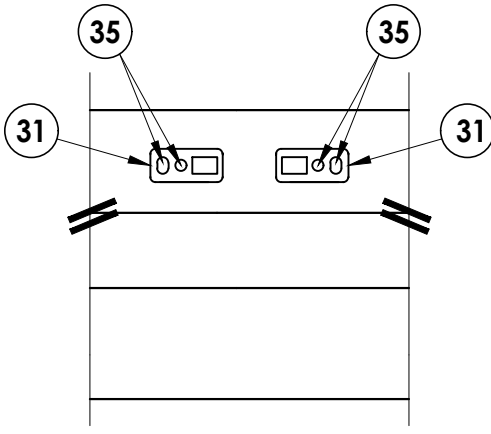
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



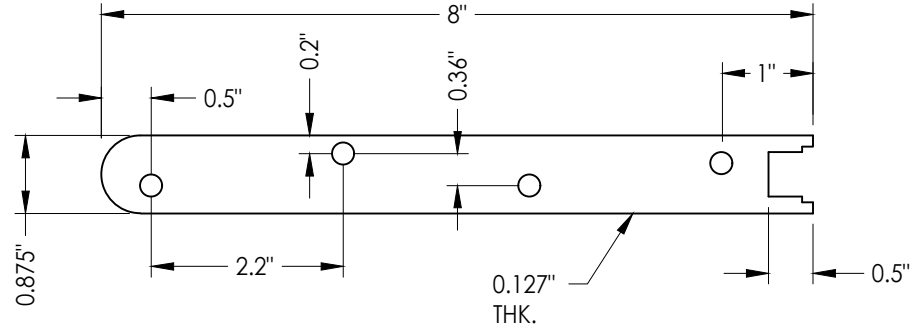
30 HOPPE MULTI-POINT LOCKSET
Shootbolt
Active Door (3-point system)
Inactive Door (2-point system)



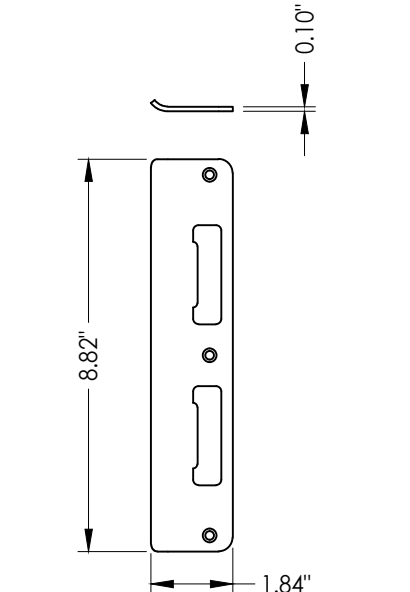
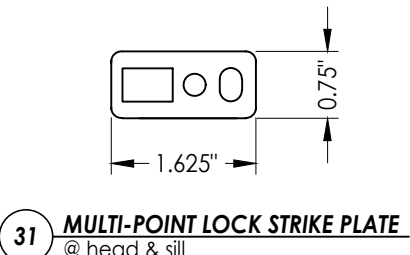
1 MULTI-POINT STRIKE INSTALLATION
View looking up @ head



2 MULTI-POINT STRIKE INSTALLATION
View looking down @ sill



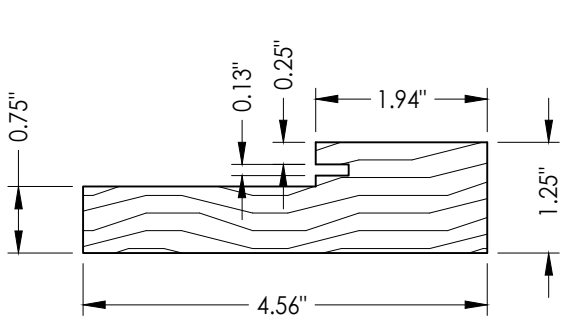
36 REINFORCEMENT PLATE
Multi-point lock assy.



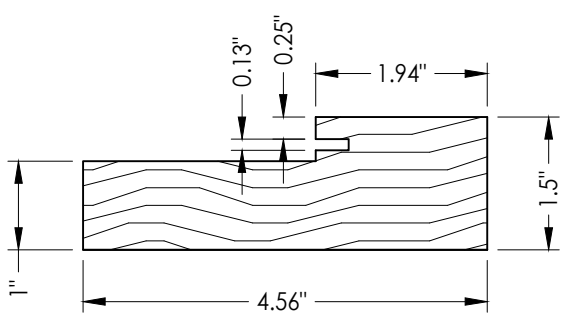
32 LATCH & DEADBOLT STRIKE PLATE
Shootbolt system

Documents Prepared By:		Lyndon F. Schmidt		P.E. No. 43409	
PRODUCT:		MILLWORK ARTISANS		WOOD DOOR	
PART OR ASSEMBLY:		MULTI-POINT LOCK		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-14763.5			
SHEET		11		OF 13	

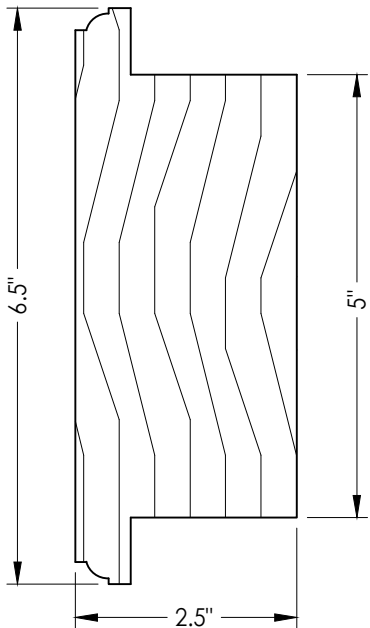
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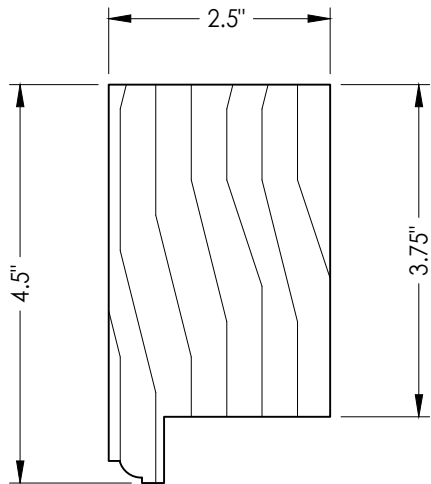
1 SIDE JAMB



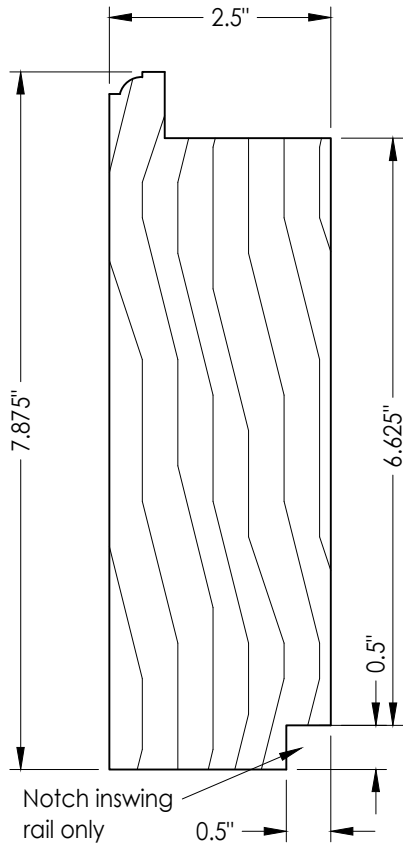
1A HEAD JAMB



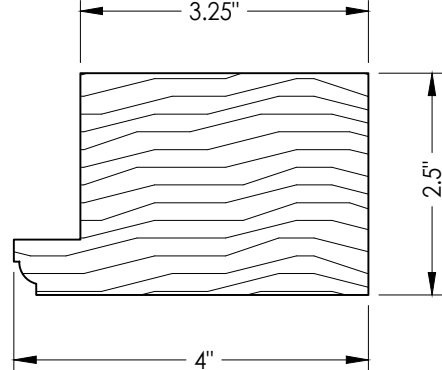
5 INTERMEDIATE RAIL



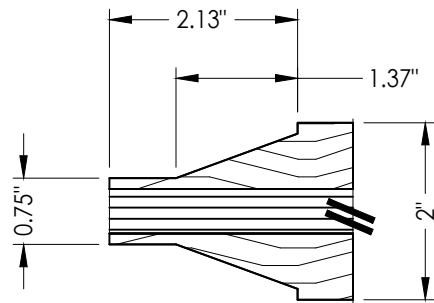
2 TOP RAIL



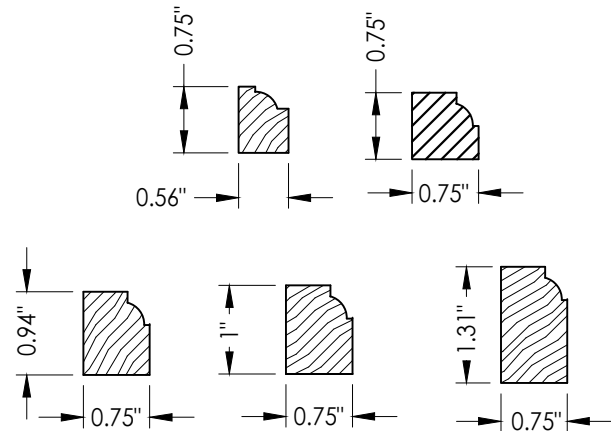
3 BOTTOM RAIL



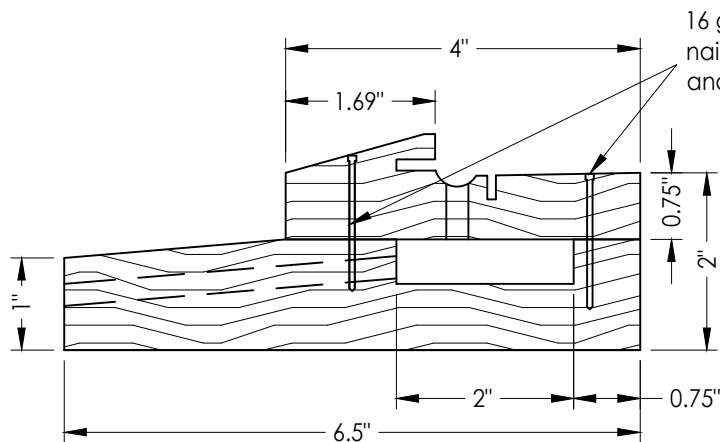
4 STILE



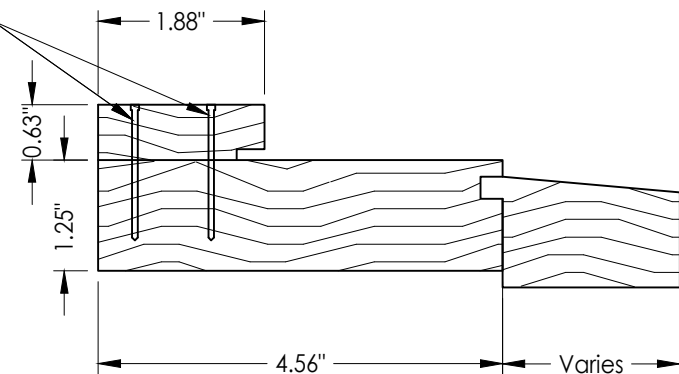
11 PANEL INFIL



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
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
NO.	DATE	BY

DATE: 08/24/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

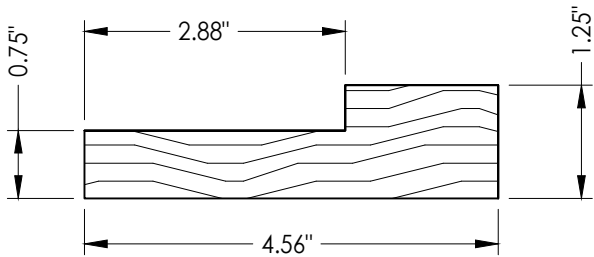
FL-14763.5

SHEET 12 OF 13

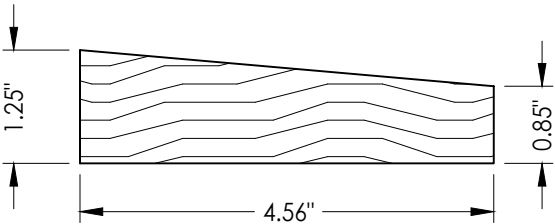
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK G >= 0.55	WOOD
B	2X BUCK G >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" FH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK 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
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	SIDE JAMB	WOOD
1A	HEAD JAMB	WOOD
2	TOP RAIL	WOOD
3	BOTTOM RAIL	WOOD
4	STILE	WOOD
5	INTERMEDIATE RAIL	WOOD
6	TRANSOM SILL	WOOD
7	TRANSOM JAMB/SIDELITE SIDE JAMB	WOOD
7A	SIDELITE HEAD JAMB	WOOD
8	TRANSOM TOP RAIL & STILE	WOOD
9	TRANSOM BOTTOM RAIL	WOOD
10	ASTRAGAL	WOOD
11	PANEL INFIL	WOOD
12	PANEL/GLASS STOPS	WOOD
13	WEATHERSTRIP (QLON)	FOAM
14	SIDELITE HEAD & STILE	WOOD
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	LOCK 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	-
50	WOOD SIDELITE PANEL	-
56	#7 X 1-5/8" TRIM SCREW	STEEL
70	1.5" X MULLION (G>=0.55)	WOOD

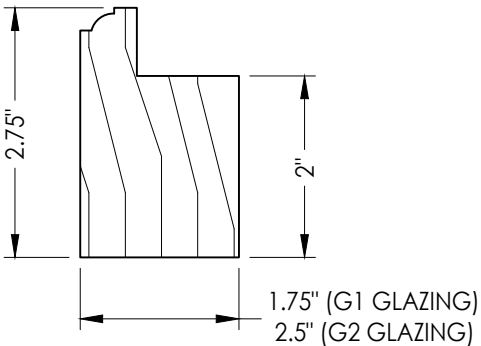
All door components to be Sapele (Specific Gravity = 0.55 minimum).



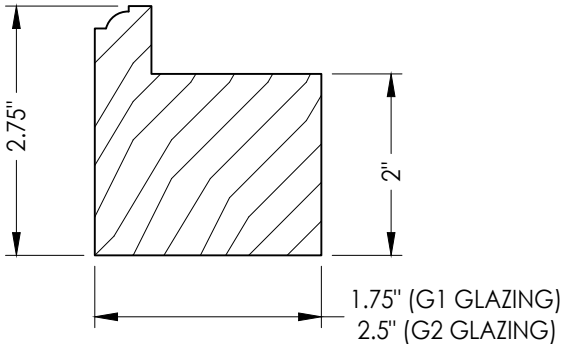
7 TRANSOM JAMB/SIDELITE SIDE JAMB



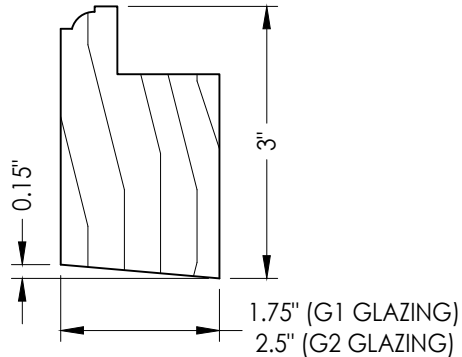
6 TRANSOM SILL



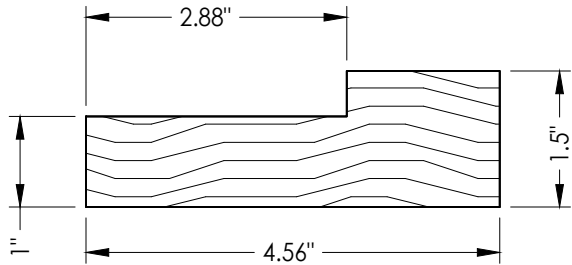
8 TRANSOM TOP RAIL & STILE



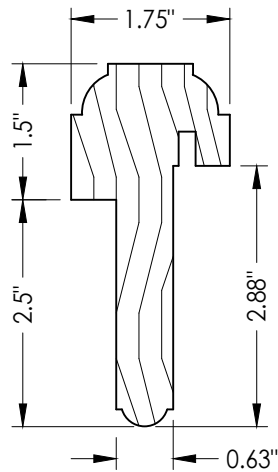
14 SIDELITE HEAD & STILE



9 TRANSOM BOTTOM RAIL



7A SIDELITE HEAD JAMB



10 ASTRAGAL

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NO.	DATE	REVISIONS				

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DRAWING NO.:

FL-14763.5

SHEET 13 OF 13