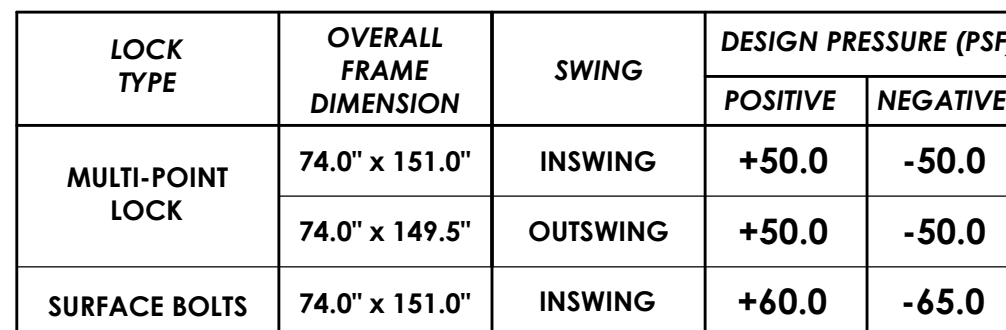
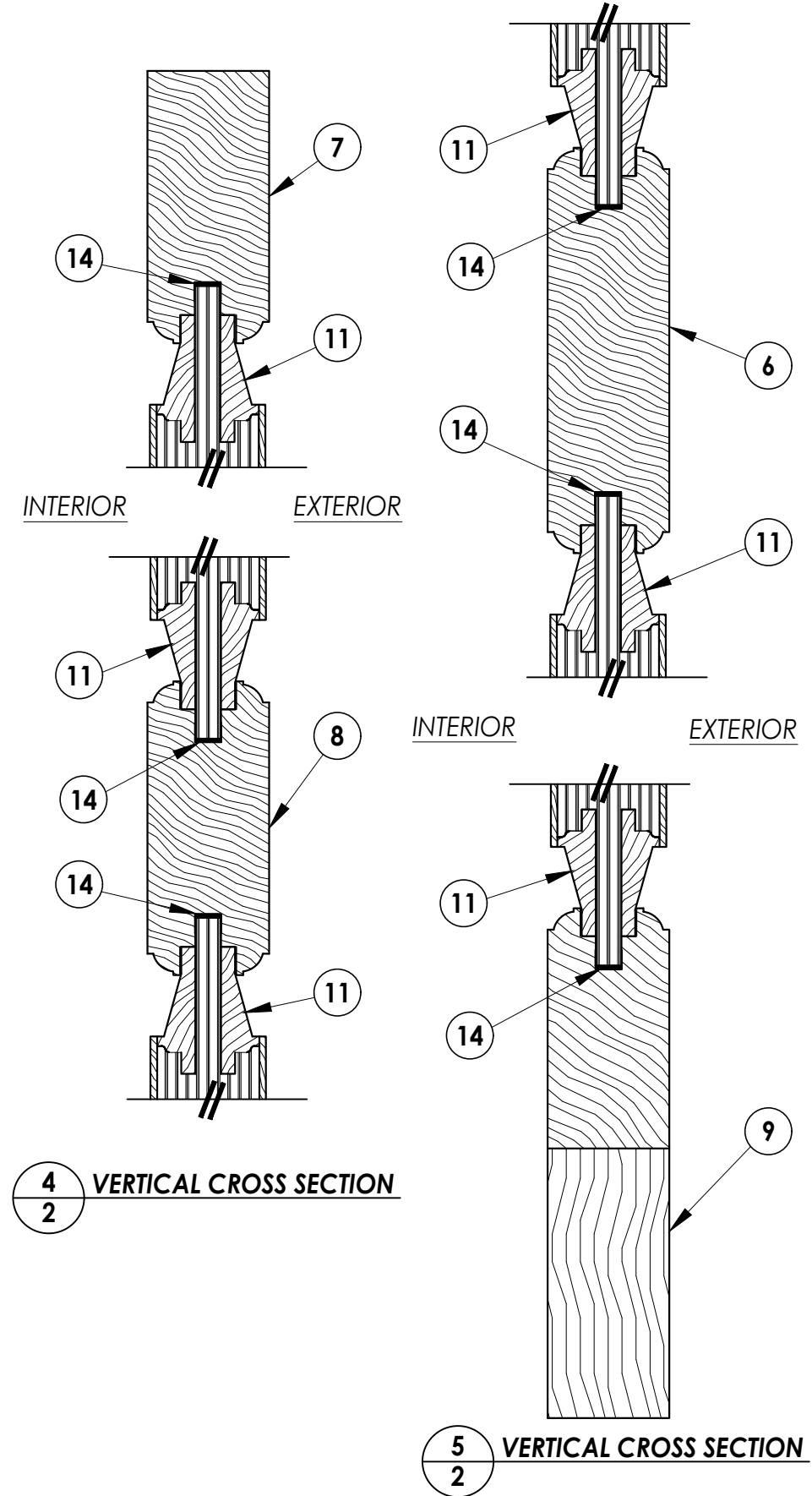
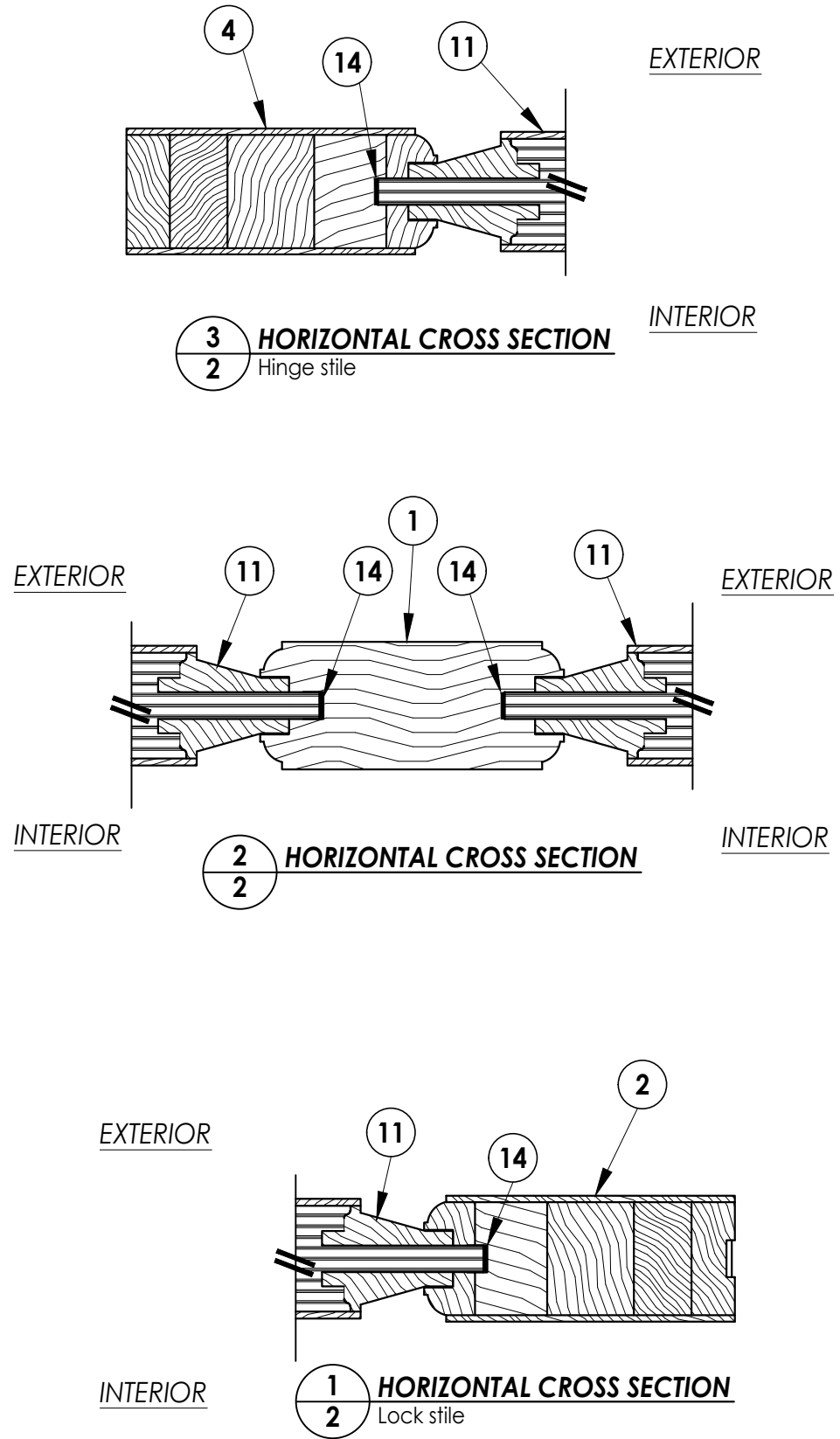
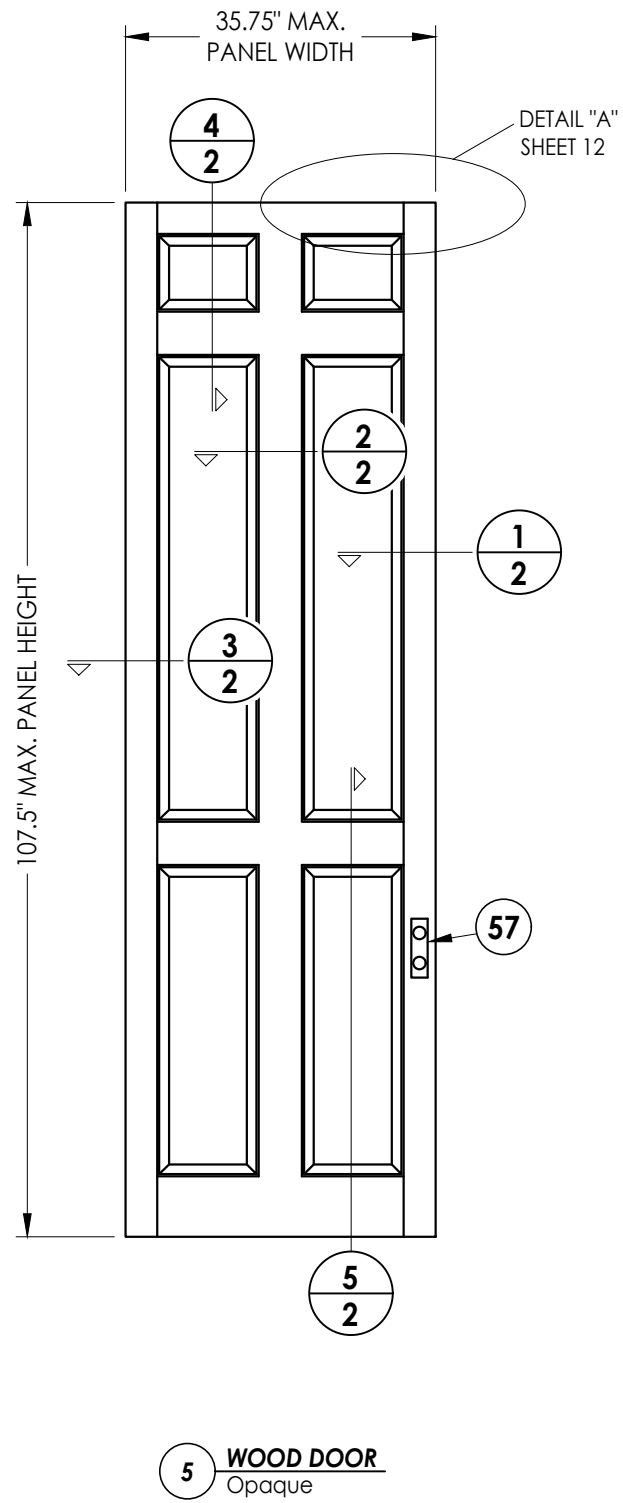


**OPAQUE AND GLAZED
DOUBLE WOOD DOOR w/ TRANSOM
IN SWING/OUT SWING
"IMPACT"**

TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes	8	Buck anchoring
2	Door panel details	9	Frame anchoring
3	Door panel details & glazing detail	10	Multi-point lock hardware details
4	Transom panel details & glazing detail	11	Surface bolt hardware details
5	Horizontal cross sections	12	Hardware anchoring details
6	Vertical cross sections	13	Components
7	Vertical cross sections	14	Bill of materials & components



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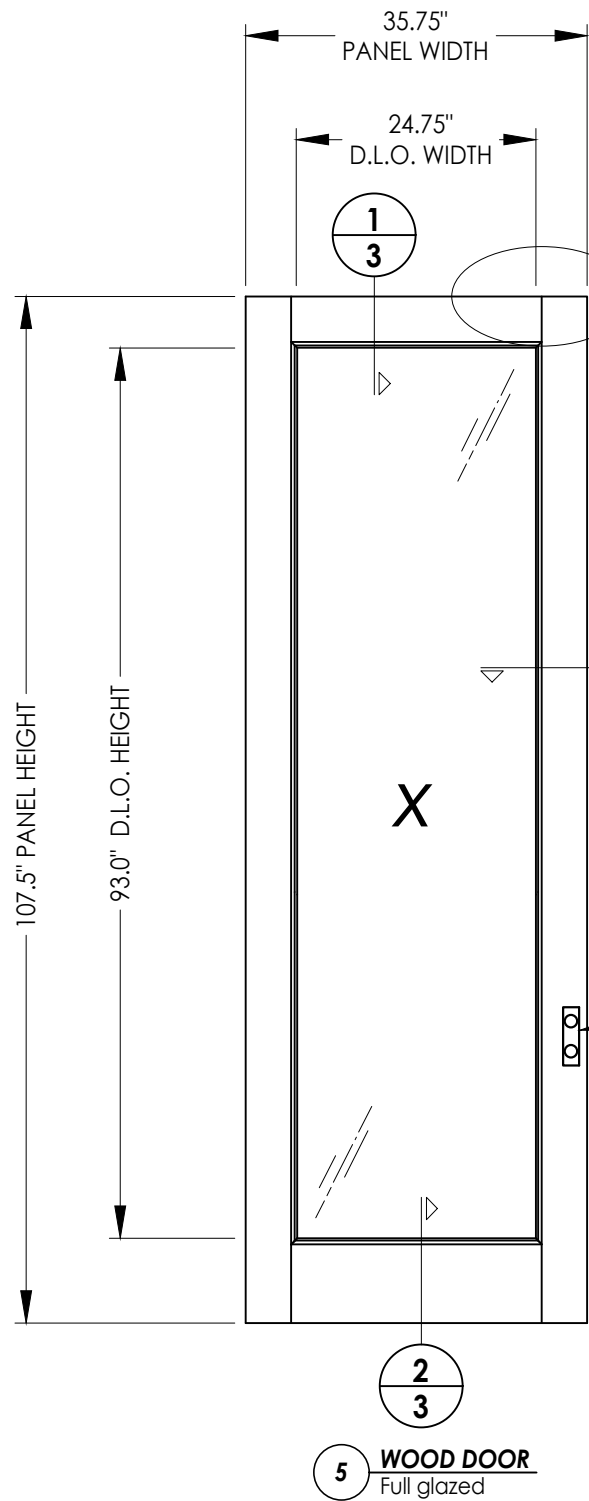
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							LFS
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							LFS
							BY
							REVISIONS
DATE: 10/13/09							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-15737.5							
SHEET 2 OF 14							

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

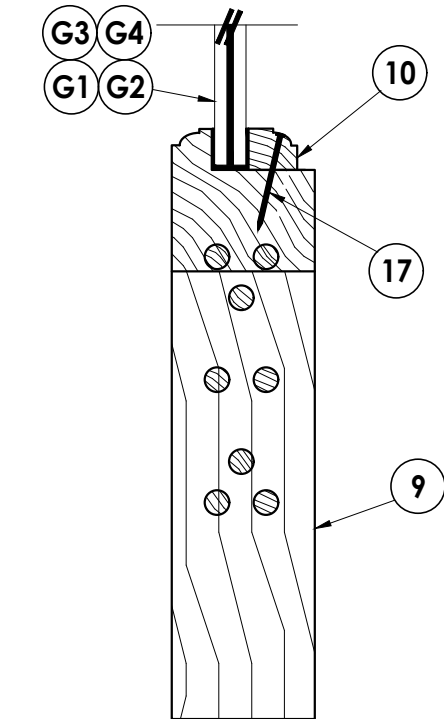
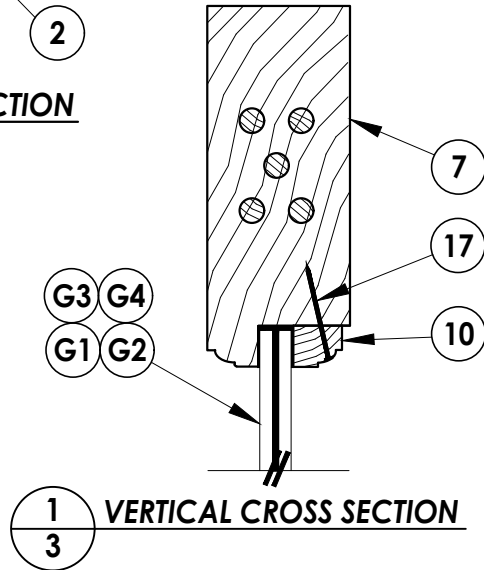
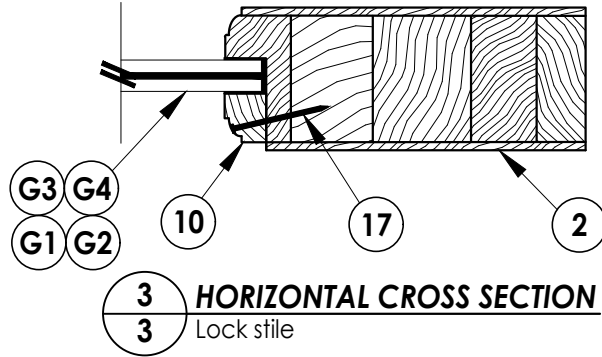
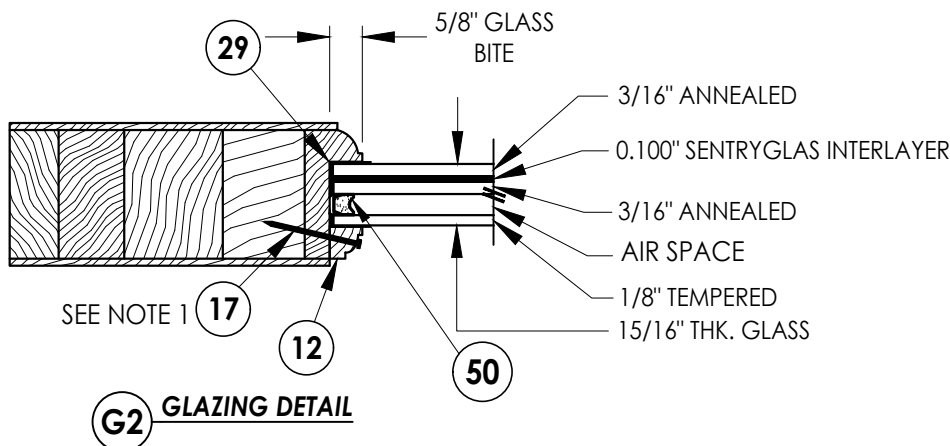
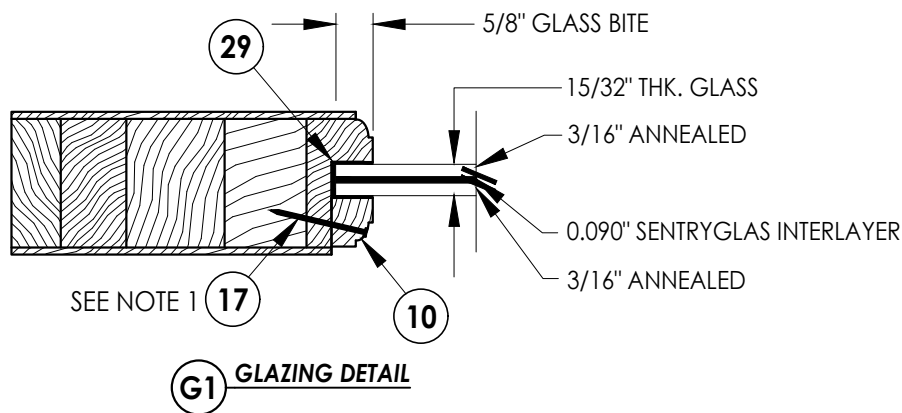
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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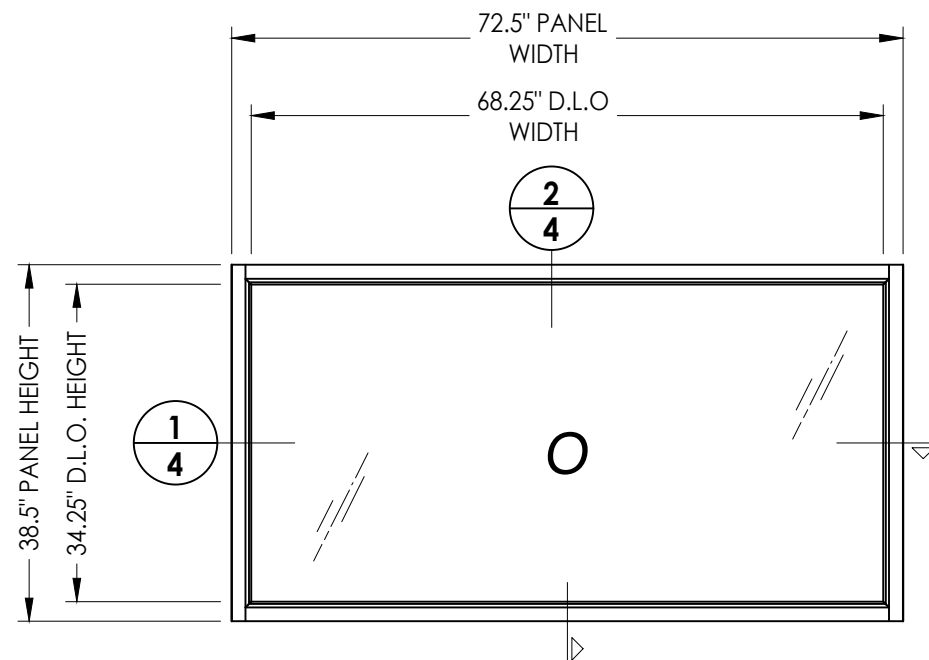
Z:\2023 FBC Drawings\Brannen Millwork\FL-15737 R5 Swing Doors\FL-15737.1-6.dwg



NOTE:
1. Spacing for item #17 is 2" from corners and 8" o.c. thereafter.



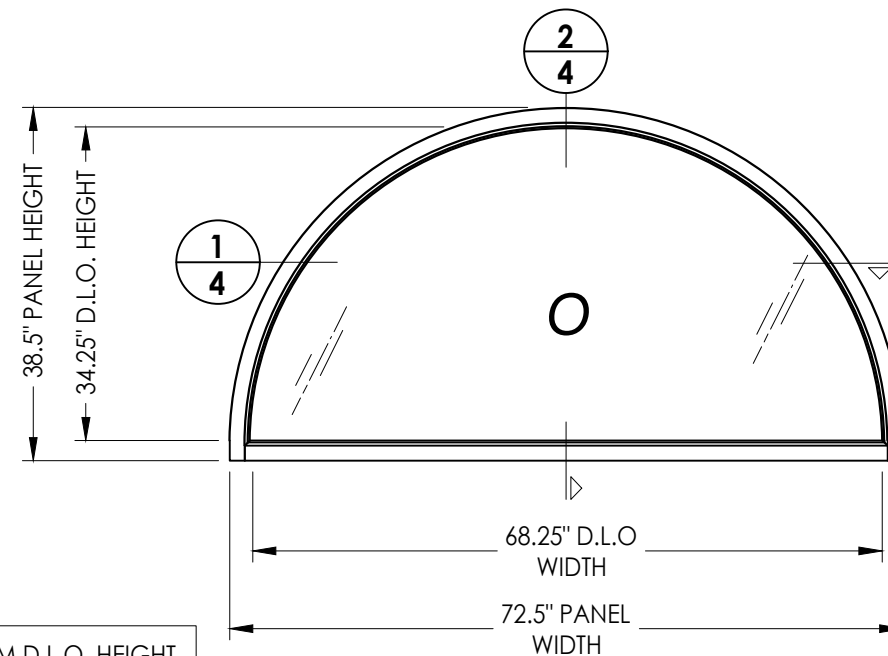
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: BRANNEN MILLWORK WOOD DOOR				PART OR ASSEMBLY: DOOR PANEL DETAILS AND GLAZING DETAIL			
4	10/4/23	UPDATE TO 8TH ED. (2023) FBC	LFS				
3	9/16/20	UPDATE TO 7TH ED. (2020) FBC	LFS				
2	07/11/17	UPDATE TO 6TH ED. (2017) FBC	LFS				
1	08/10/15	UPDATE TO 5TH ED. (2014) FBC	LFS				
NO.	DATE		BY	REVISIONS			
DATE: 10/13/09							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-15737.5							
SHEET 3 OF 14							



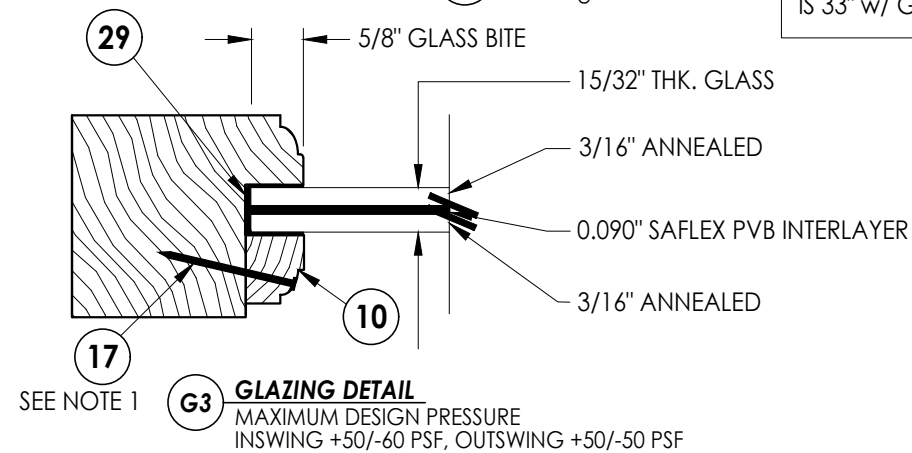
37 TRANSOM PANEL

Rectangle

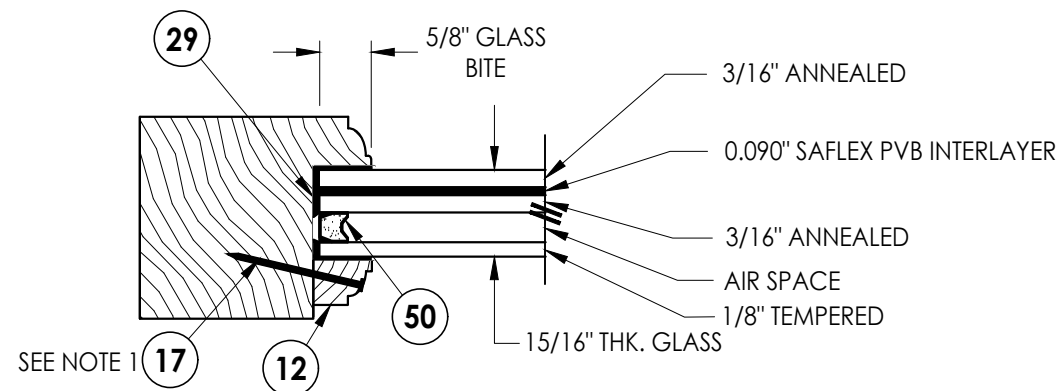
MAXIMUM TRANSOM D.L.O. HEIGHT
IS 33" w/ GLAZING DETAIL G3 OR G4



37 TRANSOM PANEL

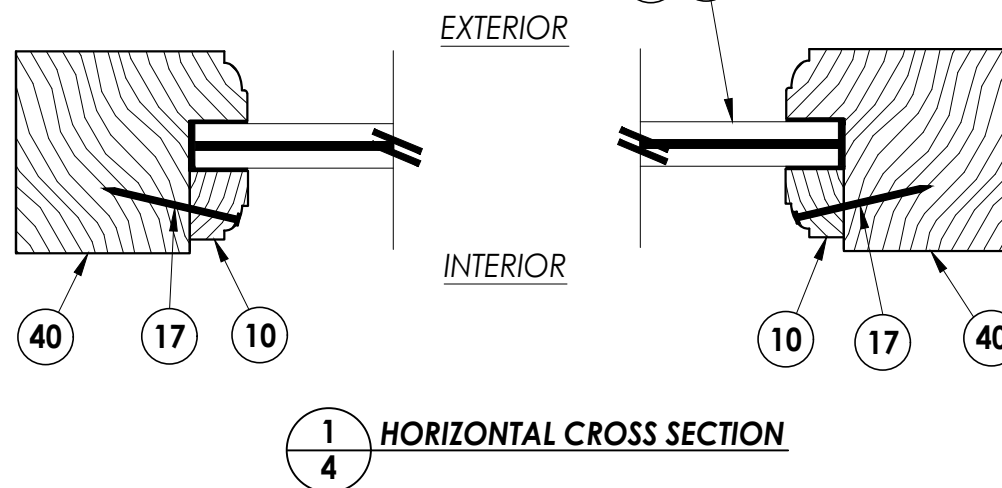


G3 **GLAZING DETAIL**
MAXIMUM DESIGN PRESSURE
INSWING +50/-60 PSF, OUTSWING +50/-50 PSF

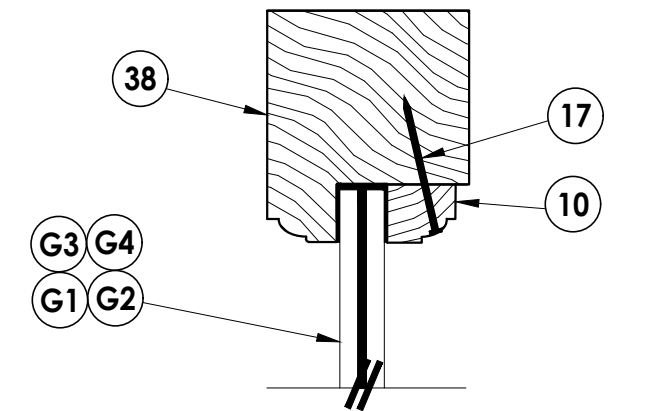


G4 GLAZING DETAIL
MAXIMUM DESIGN PRESSURE
INSWING +50/-60 PSF, OUTSWING +50/-50 PSF

NOTE: GLAZING > 36" WIDE REQUIRES TWO (2) SETTING BLOCKS
CONFORMING TO FBC SECTION 2411.3.3.1.

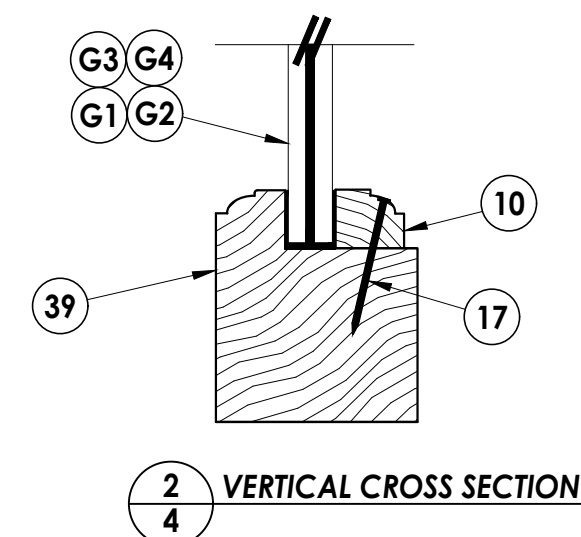


1 **HORIZONTAL CROSS SECTION**
4



EXTERIOR

INTERIOR

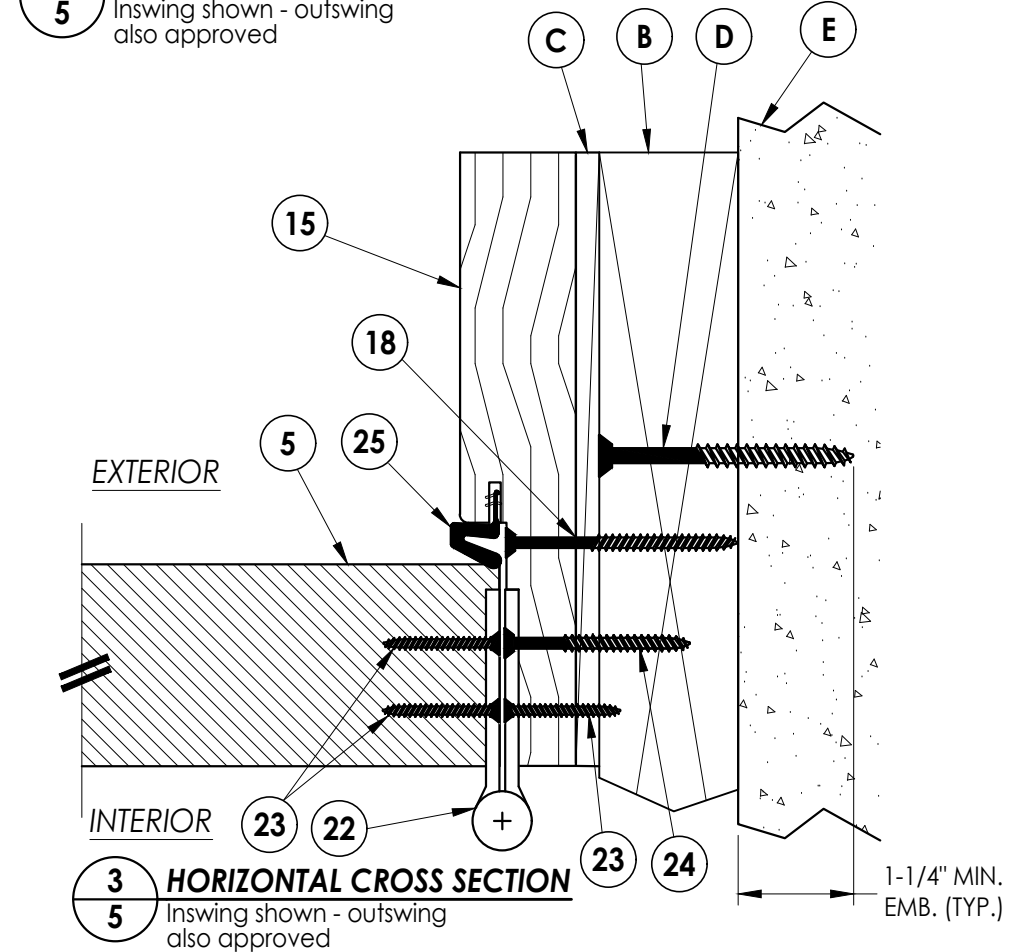
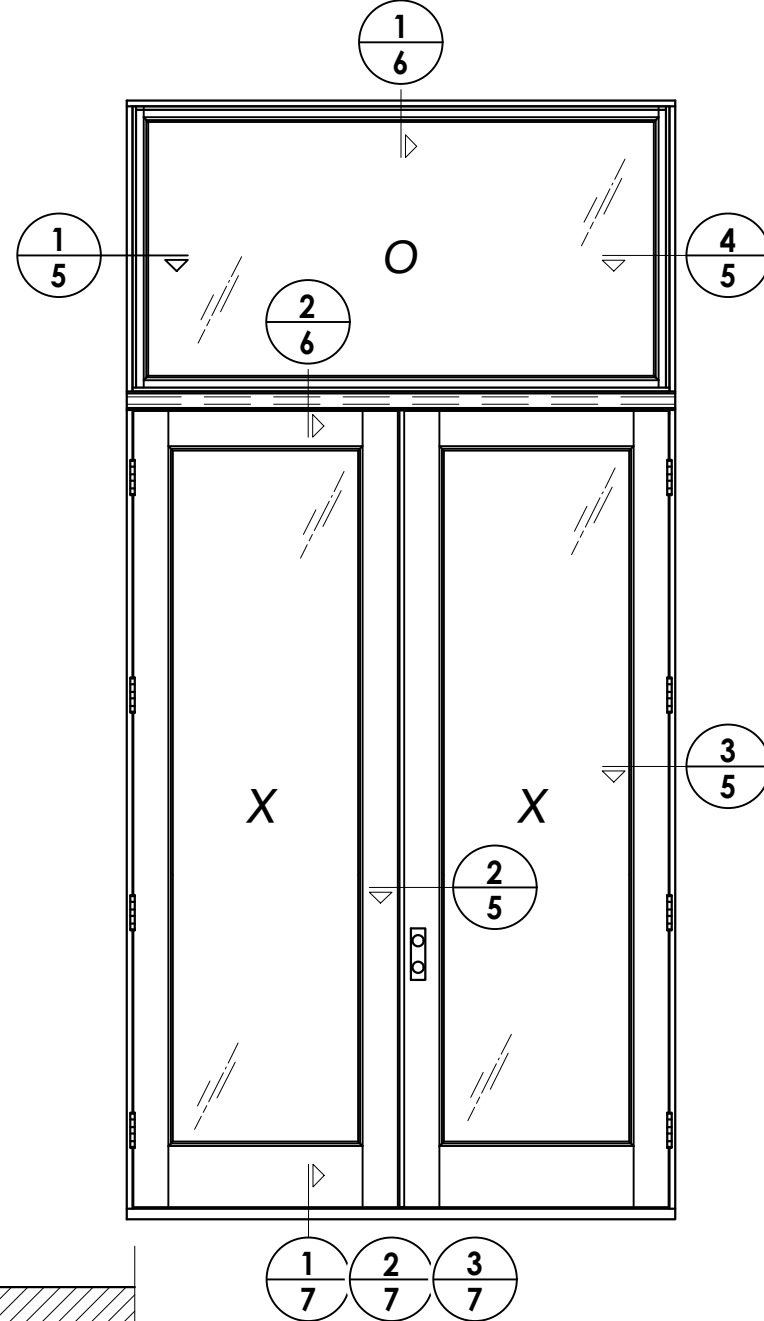


2 4 VERTICAL CROSS SECTION

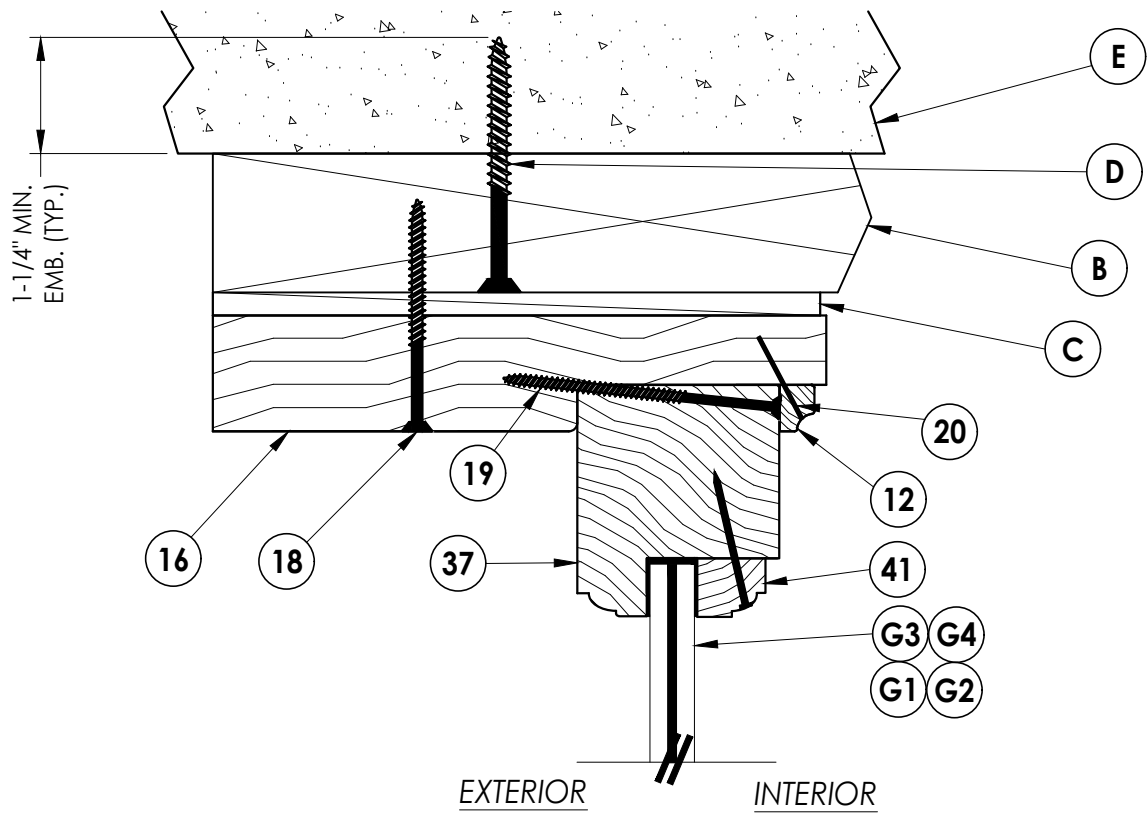
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Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

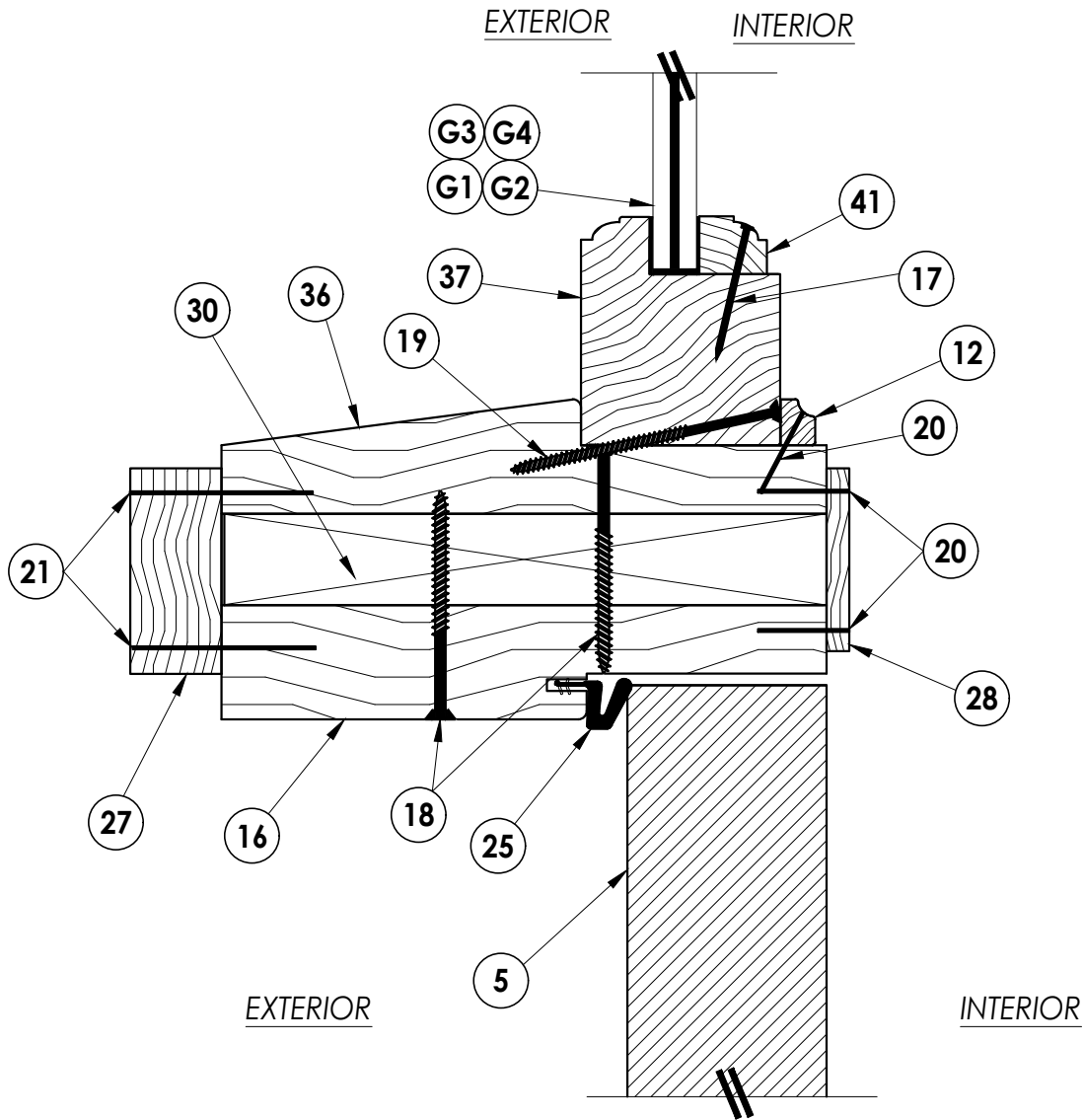
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[illegible]

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1 VERTICAL CROSS SECTION
6 Inswing shown - outswing also approved



2 VERTICAL CROSS SECTION
6 Inswing shown - outswing also approved

NO.	DATE	REVISIONS
4	10/4/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	9/16/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	07/11/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	08/10/15	UPDATE TO 5TH ED. (2014) FBC LFS

DATE: 10/13/09

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15737.5

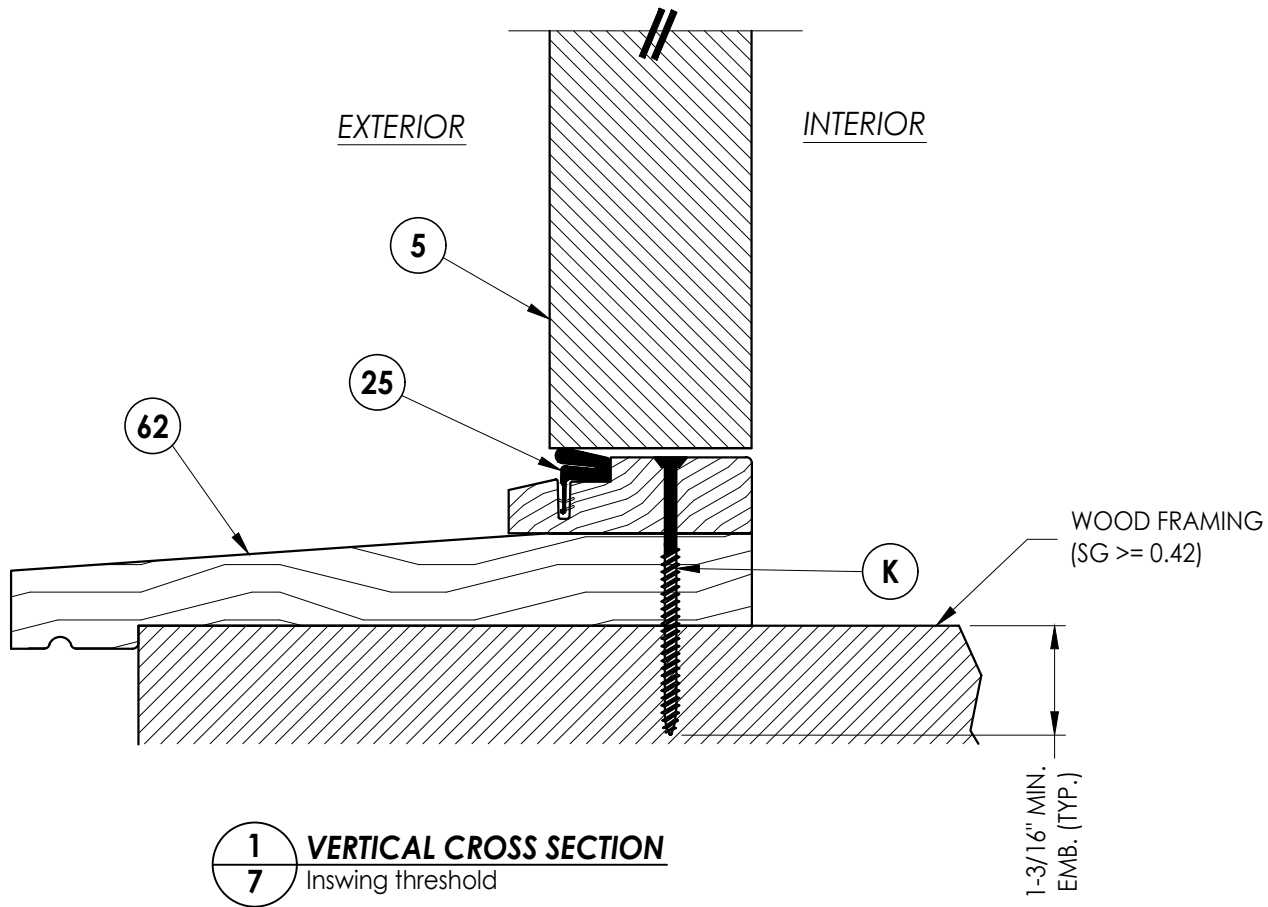
SHEET 6 OF 14

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

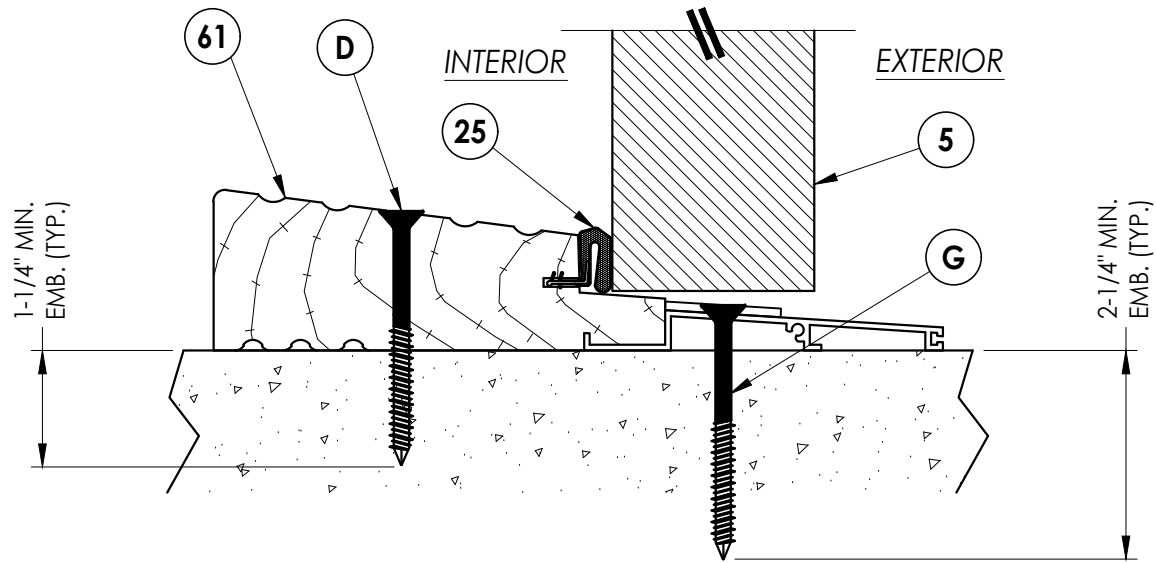
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

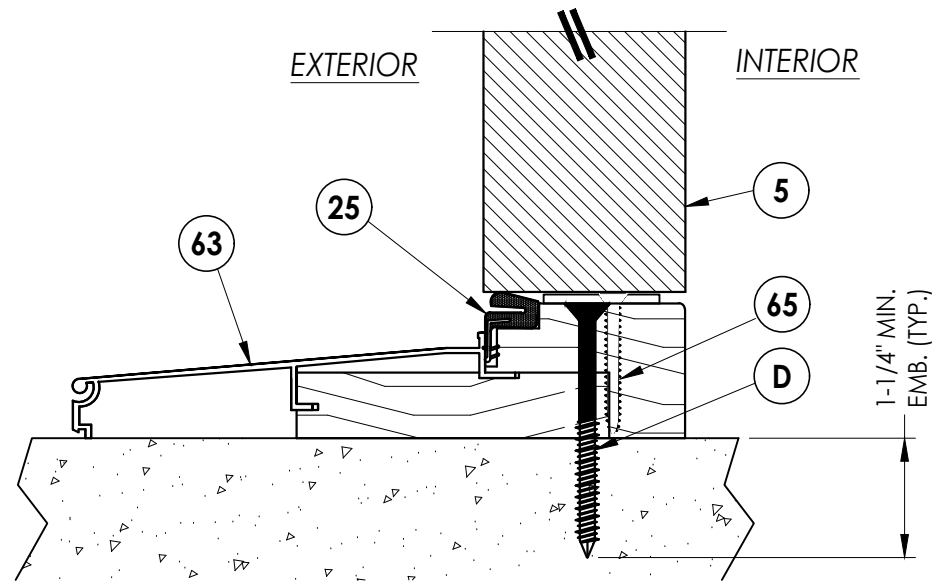
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1
7 **VERTICAL CROSS SECTION**
Inswing threshold



2
7 **VERTICAL CROSS SECTION**
Outswing threshold



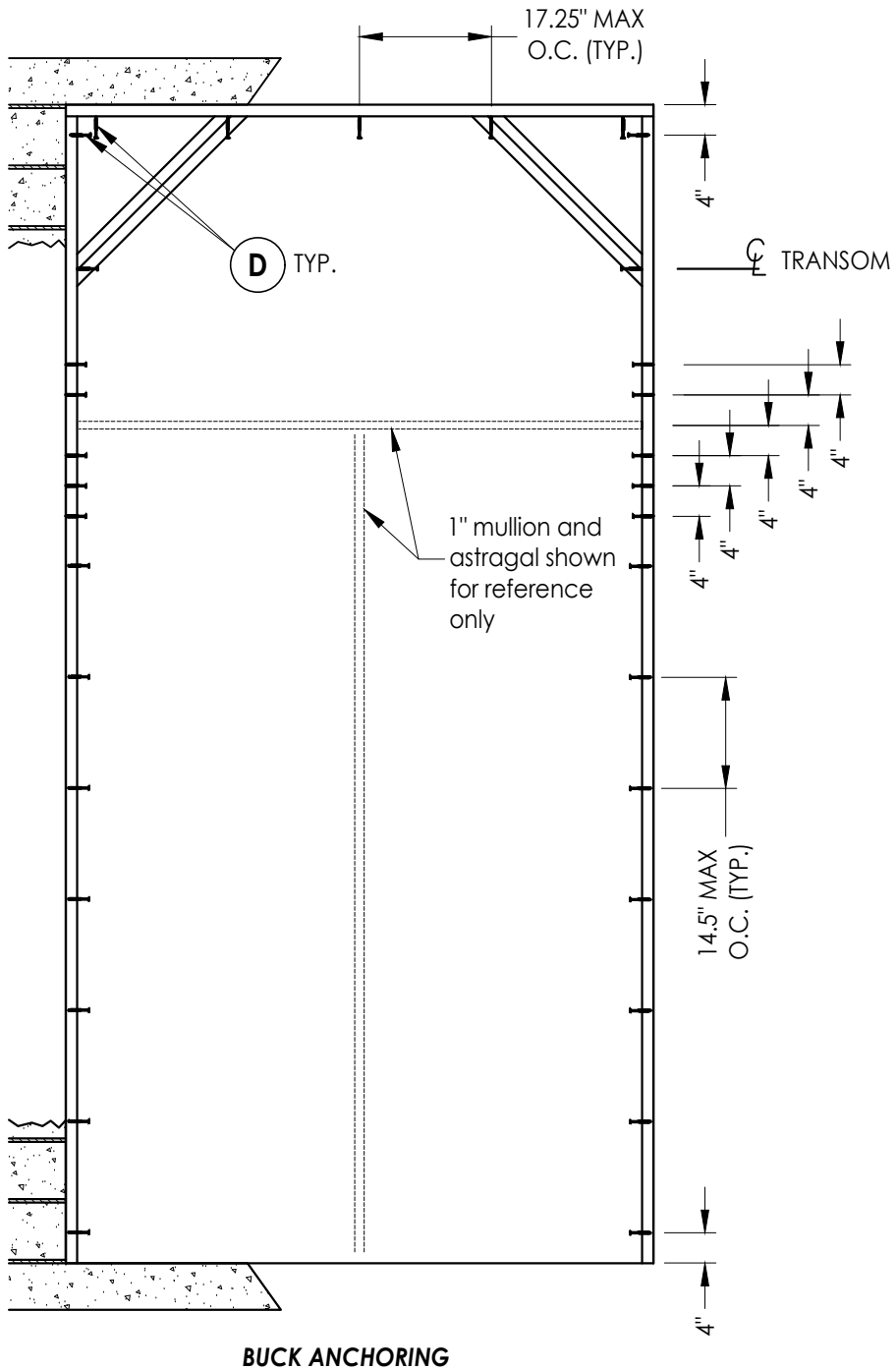
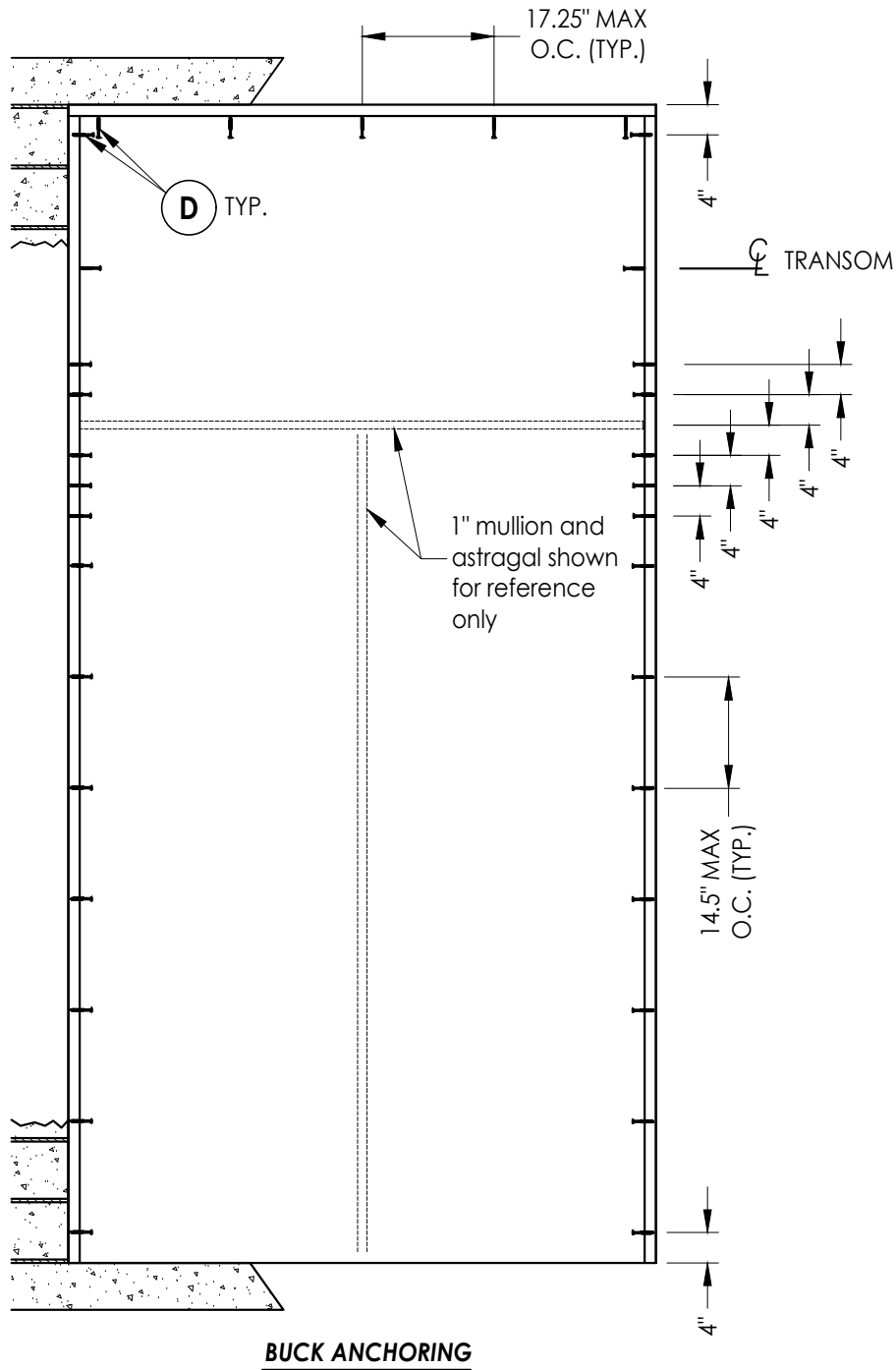
3
7 **VERTICAL CROSS SECTION**
Inswing threshold

DATE:		10/13/09	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-15737.5	
SHEET		7 OF 14	

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

DOCUMENTS PREPARED BY:		R.W. BUILDING CONSULTANTS, INC.	
Lyndon F. Schmidt		P.O. Box 230, Valrico, FL 33595	
P.E. No. 43409		Phone No.: 813.659.9197	
		FBPE Registry No. 9813	

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BUCK ANCHORING

BUCK 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"	3"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	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
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
BRANNEN MILLWORK
WOOD DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

4	10/4/23	UPDATE TO 8TH ED. (2023)	FBC	LFS					
3	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS					
2	07/11/17	UPDATE TO 6TH ED. (2017)	FBC	LFS					
1	08/10/15	UPDATE TO 5TH ED. (2014)	FBC	LFS					
NO.	DATE								
REVISIONS									

DATE: 10/13/09

SCALE: N.T.S.

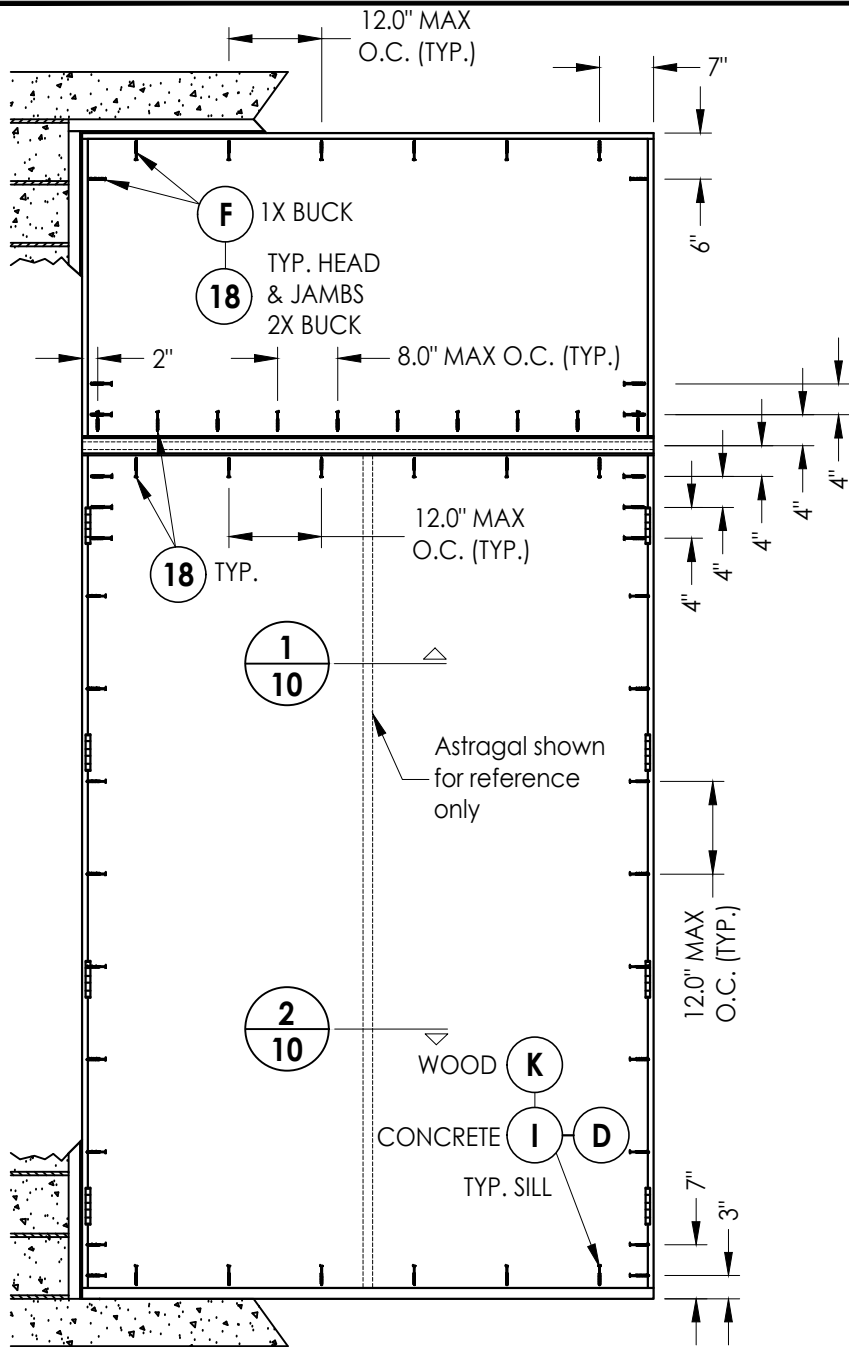
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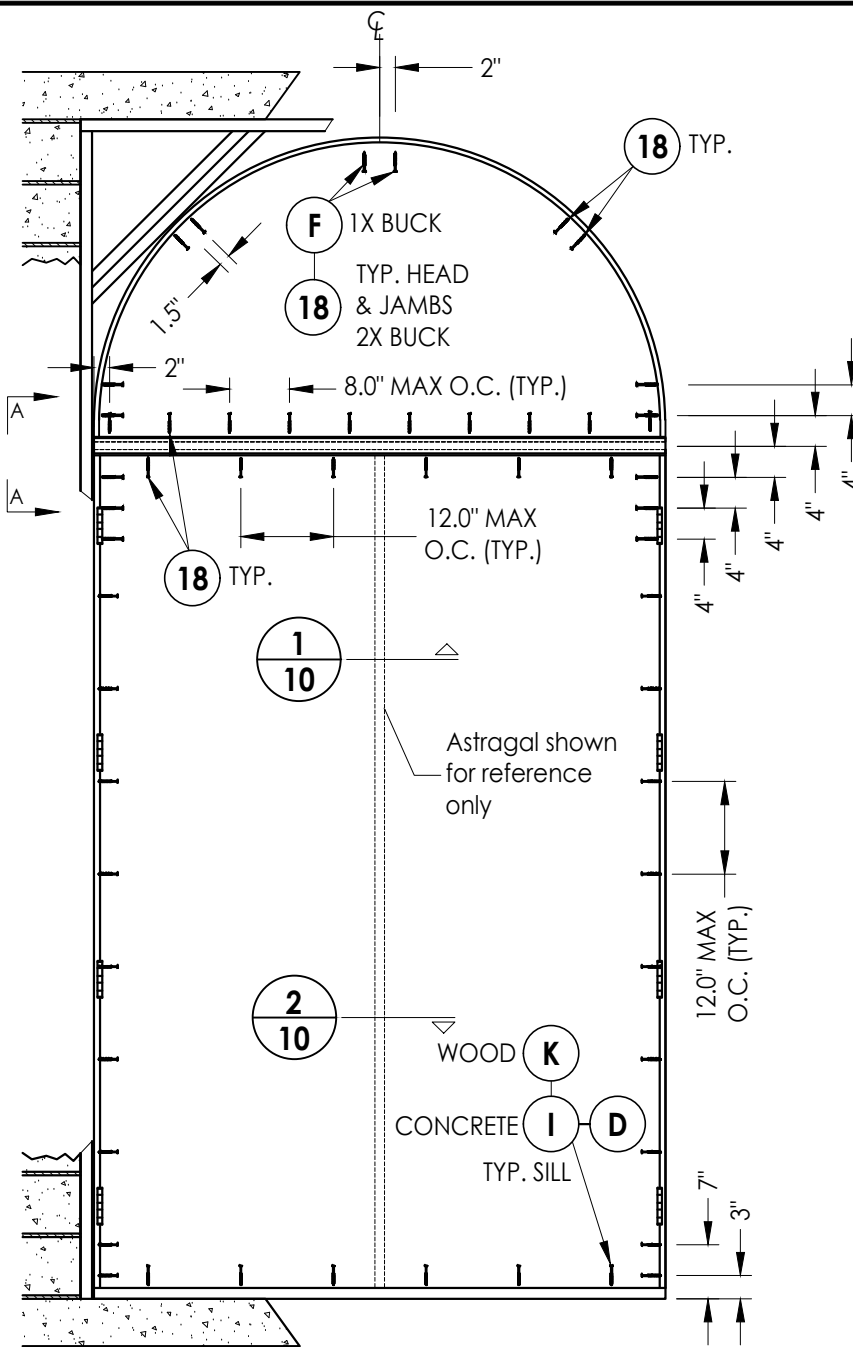
DRAWING NO.:
FL-15737.5

SHEET 8 OF 14

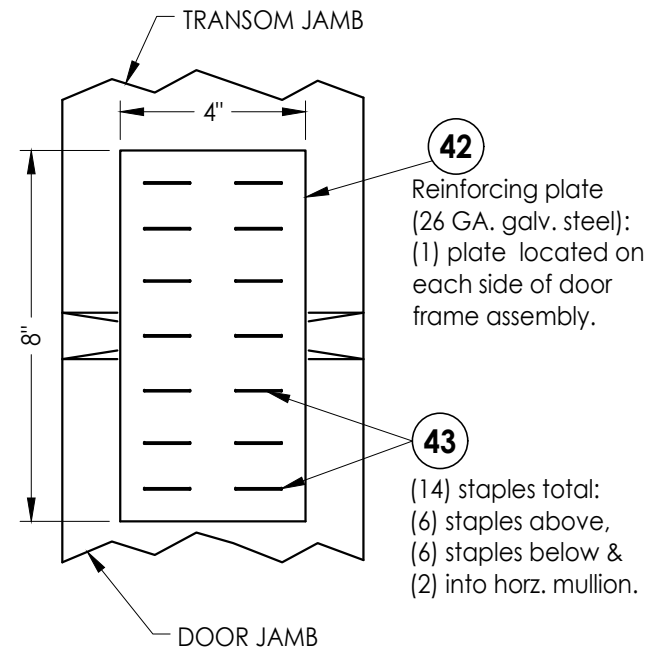
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FRAME ANCHORING



FRAME ANCHORING



REINFORCING PLATE INSTALLATION DETAIL
SECTION A-A

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"
DeWALT ULTRA-CON®	1/4"	1-1/4"	3"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	2-1/2"	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:
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P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
BRANNEN MILLWORK
WOOD DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
4	10/4/23	UPDATE TO 8TH ED. (2023) FBC
3	9/16/20	UPDATE TO 7TH ED. (2020) FBC
2	07/11/17	UPDATE TO 6TH ED. (2017) FBC
1	08/10/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 10/13/09

SCALE: N.T.S.

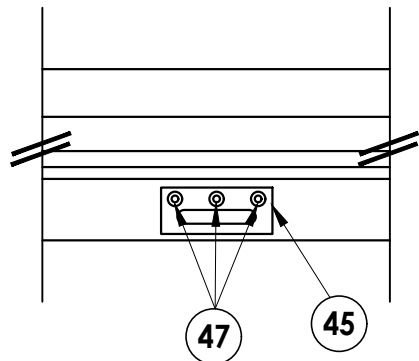
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CHK. BY: LFS

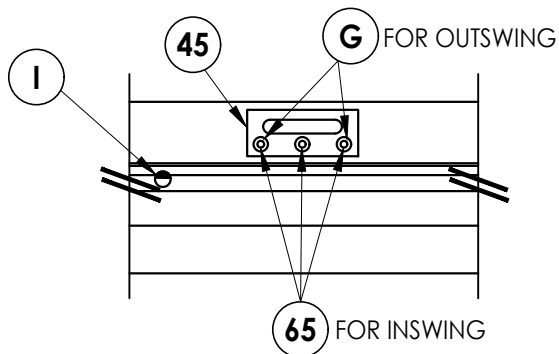
DRAWING NO.:

FL-15737.5

SHEET 9 OF 14

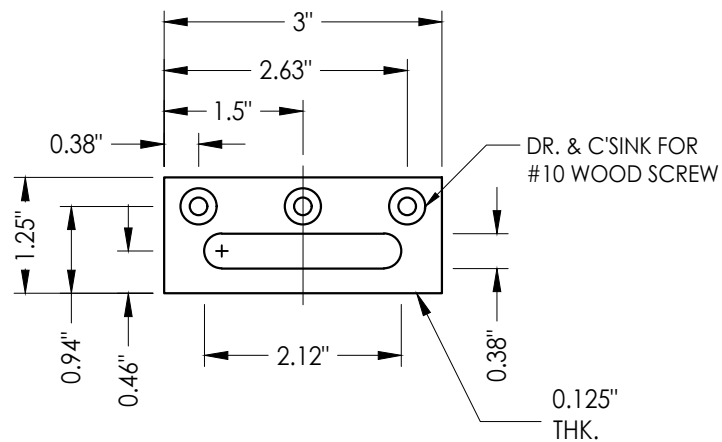


1 **MULTI-POINT STRIKE INSTALLATION**
10 View looking up @ head

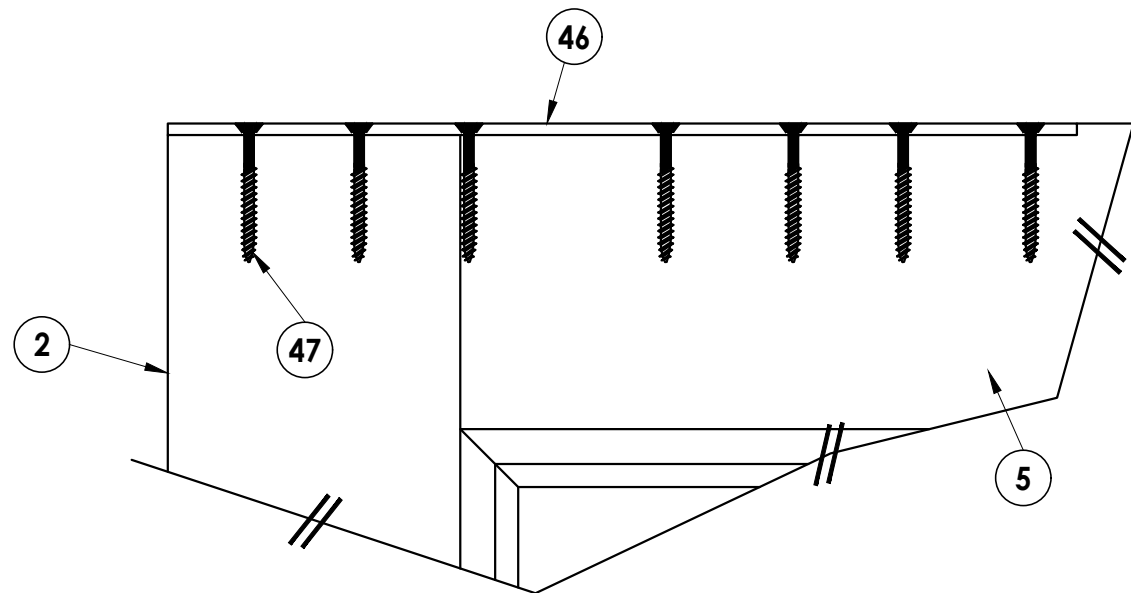


2 10 **MULTI-POINT STRIKE INSTALLATION**

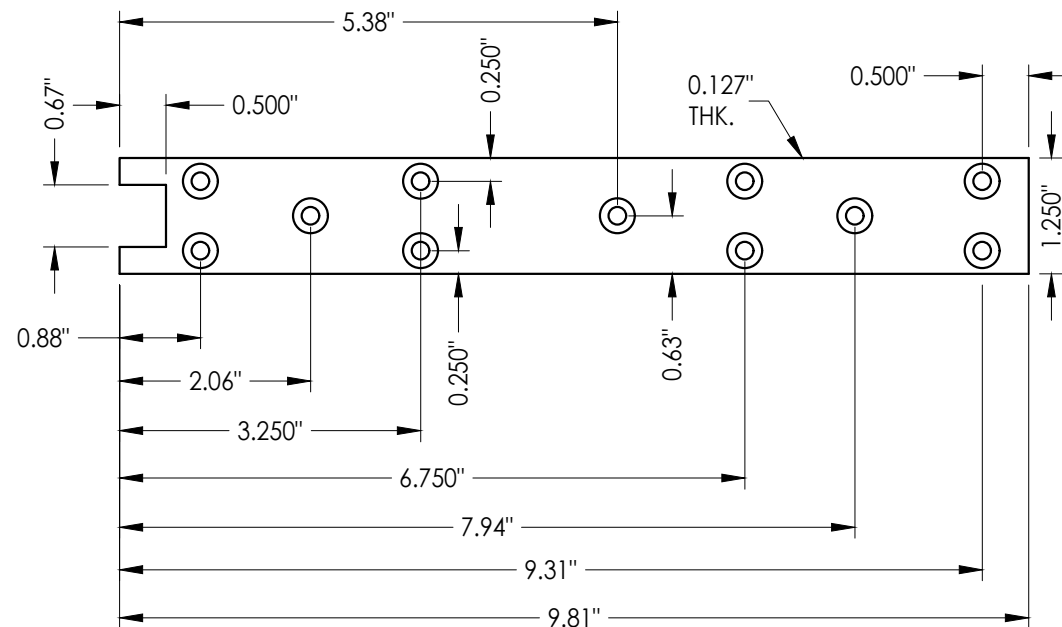
View looking down @ sill



45 **MULTI-POINT STRIKE PLATE**
@ head & sill



DOOR REINF. FOR MULTIPOINT LOCK
Typical at top & bottom of door



46 REINFORCEMENT PLATE
Multi-point lock assy.

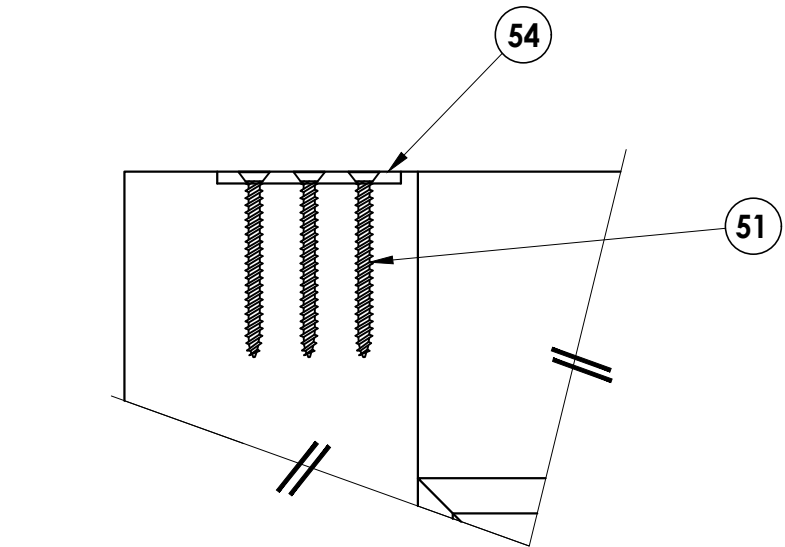
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2	07/11/17	UPDATE TO 6TH ED.	(2017)	FBC	LFS
1	08/10/15	UPDATE TO 5TH ED.	(2014)	FBC	LFS
NO.	DATE				
					REVISIONS

DATE:	10/13/09
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15737.5
SHEET	10 OF 14

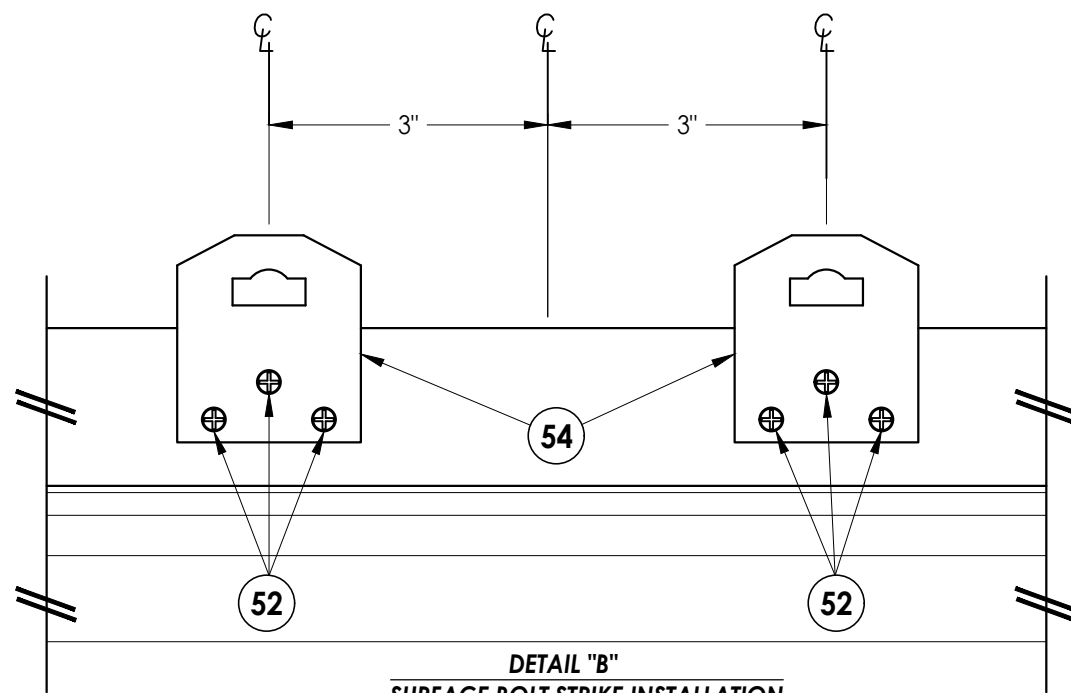
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

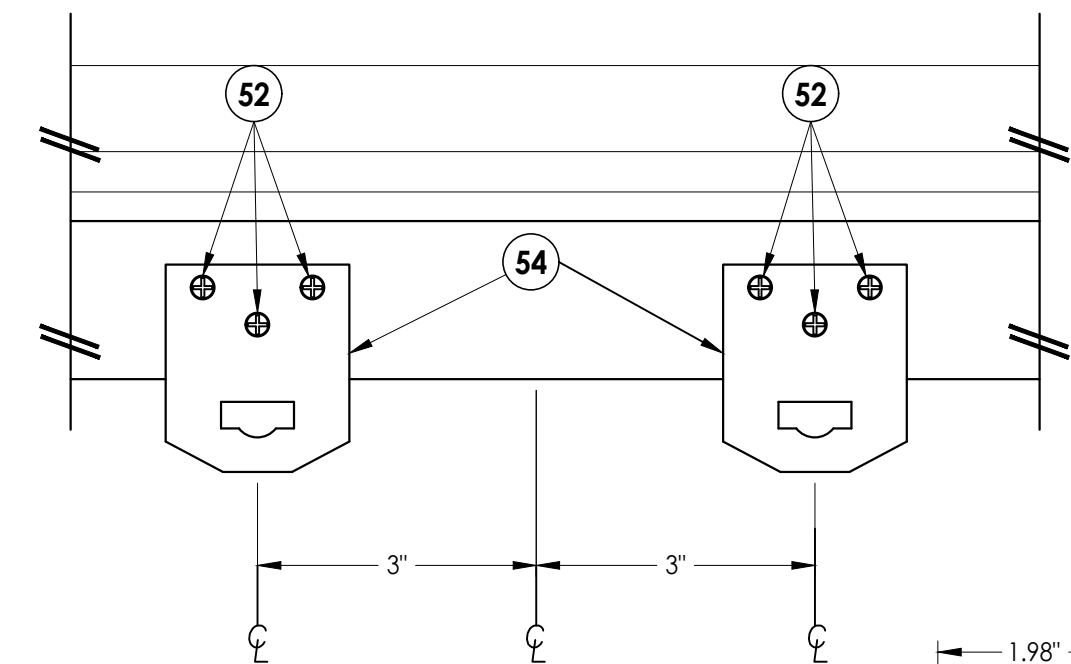
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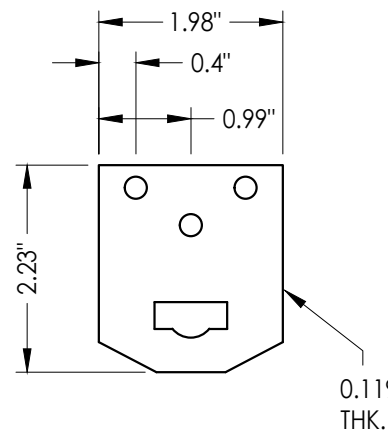
DETAIL "A"
SURFACE BOLT GUIDE PLATE
Typical at top & bottom of door



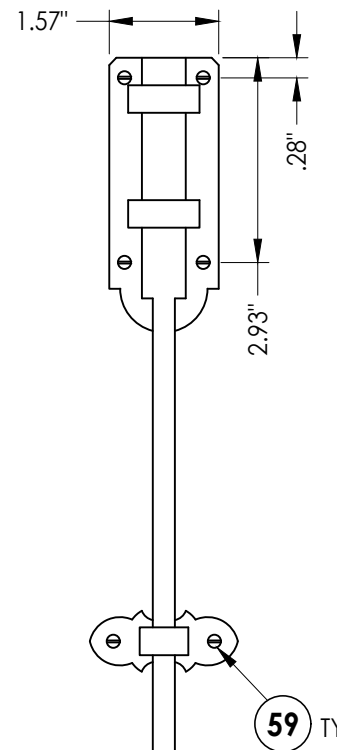
DETAIL "B"
SURFACE BOLT STRIKE INSTALLATION
View looking up @ head



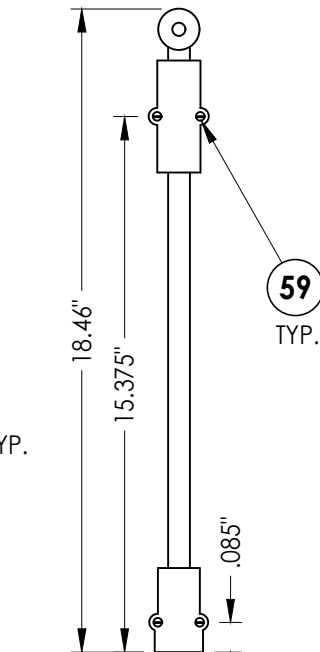
DETAIL "C"
SURFACE BOLT STRIKE INSTALLATION
View looking down @ sill



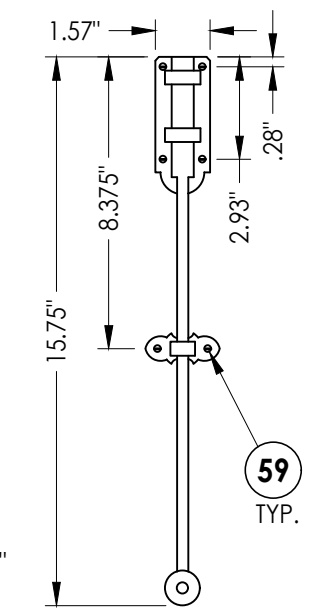
54 SURFACE BOLT STRIKE PLATE
@ Head & Sill
Typ. Panel & frame



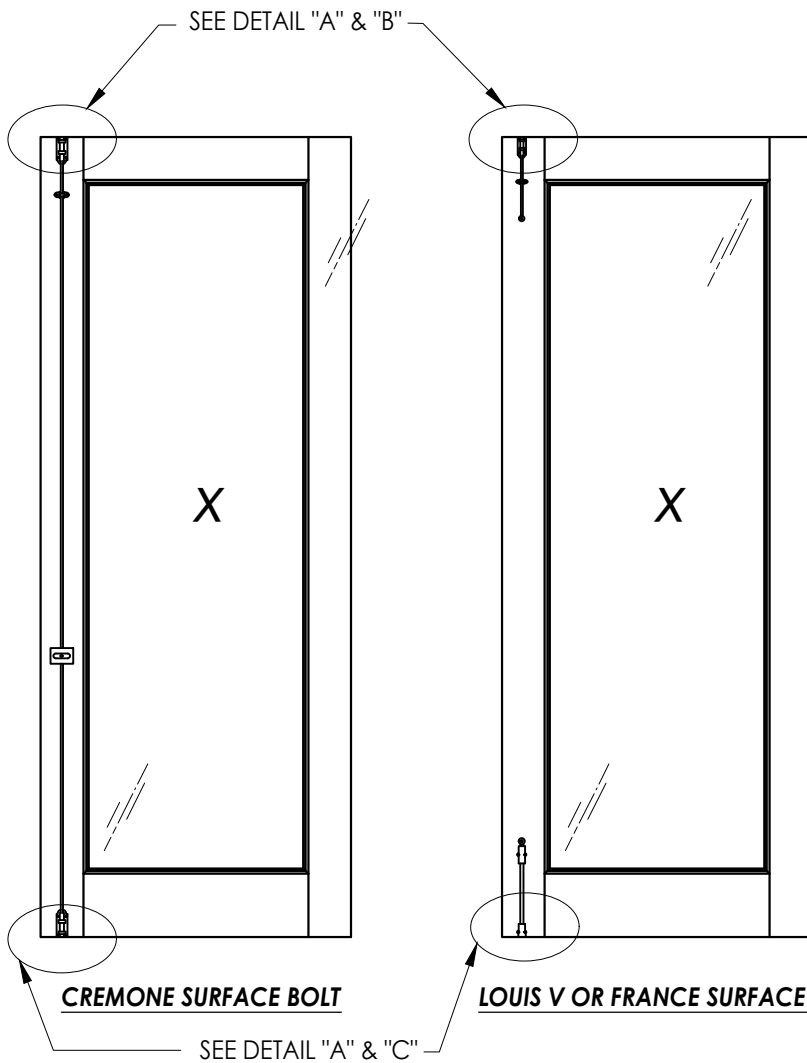
58 EUREKO-DECO
Cremone
Surface Bolt



55 EUREKO-DECO
Louis V
Surface Bolt



53 EUREKO-DECO
France
Surface Bolt



CREMONE SURFACE BOLT

LOUIS V OR FRANCE SURFACE BOLT

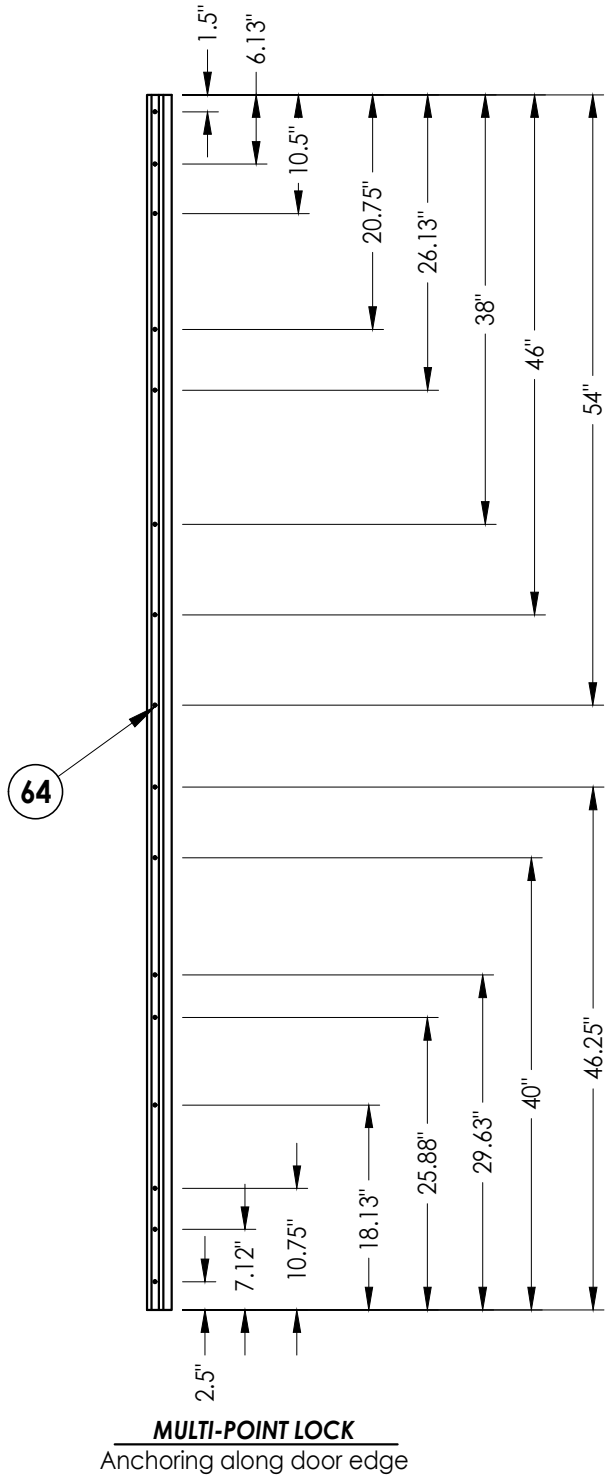
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

PRODUCT: **BRANNEN MILLWORK
WOOD DOOR**
PART OR ASSEMBLY: **SURFACE BOLT
HARDWARE DETAILS**

NO.	DATE	REVISIONS
4	10/4/23	UPDATE TO 8TH ED. (2023) FBC
3	9/16/20	UPDATE TO 7TH ED. (2020) FBC
2	07/11/17	UPDATE TO 6TH ED. (2017) FBC
1	08/10/15	UPDATE TO 5TH ED. (2014) FBC

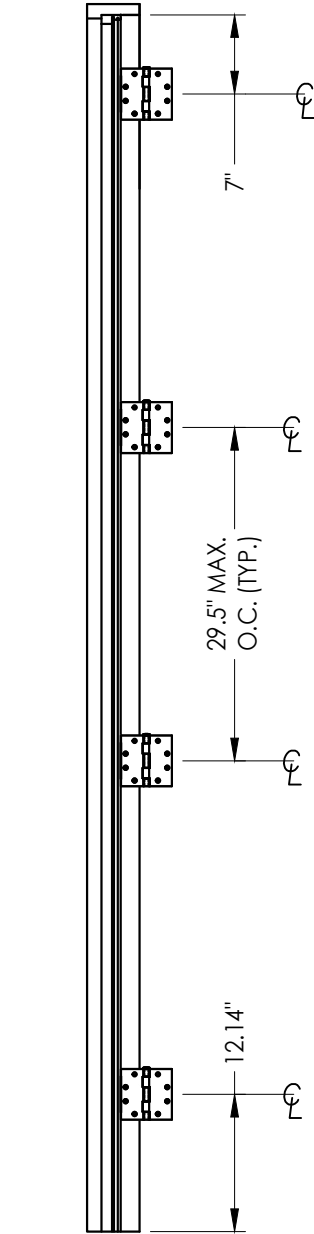
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SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15737.5
SHEET 11 OF 14



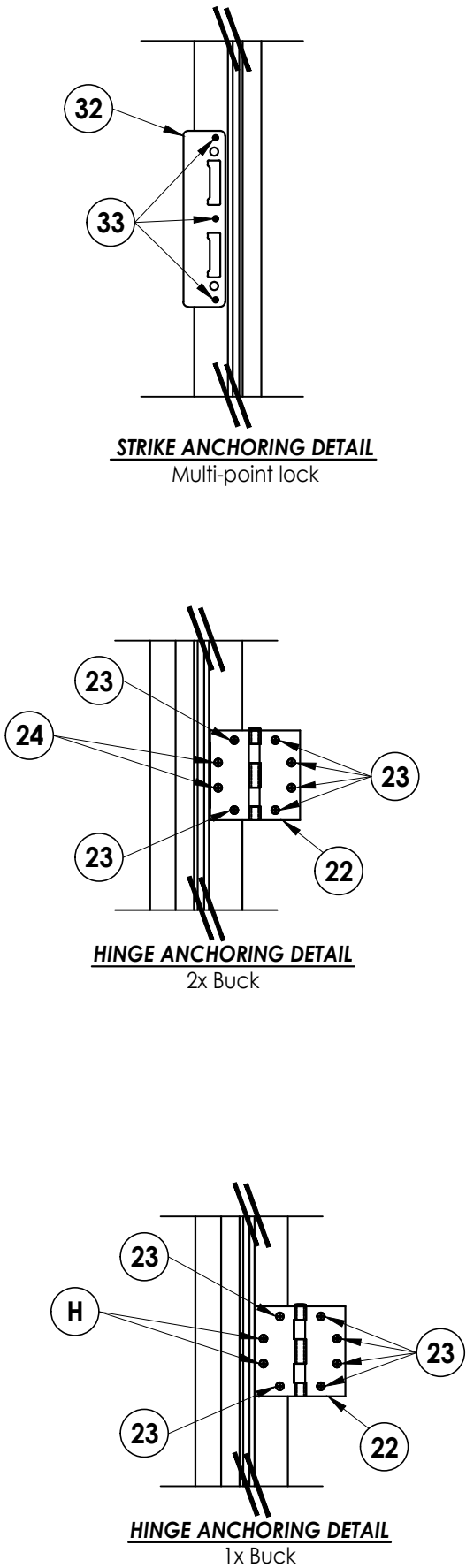
MULTI-POINT LOCK
Anchoring along door edge



STRIKE LOCATIONS
Multi-point lock



HINGE LOCATIONS

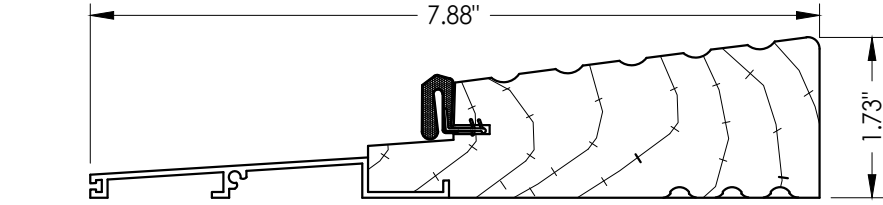


DATE:	10/13/09
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15737.5
SHEET	12 of 14

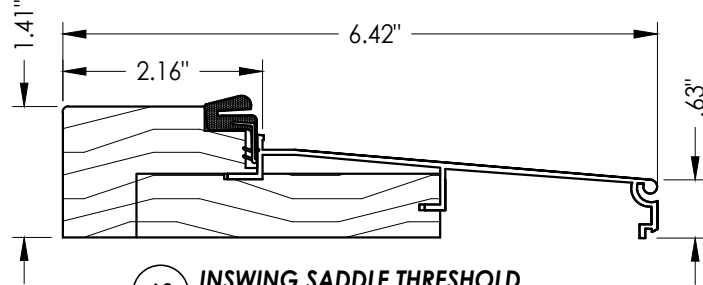
PRODUCT:	BRANNEN MILLWORK WOOD DOOR
PART OR ASSEMBLY:	HARDWARE ANCHORING DETAILS

Documents Prepared By:	Lyndon F. Schmidt P.E. No. 43409
<i>RW</i> BUILDING CONSULTANTS, INC.	P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813

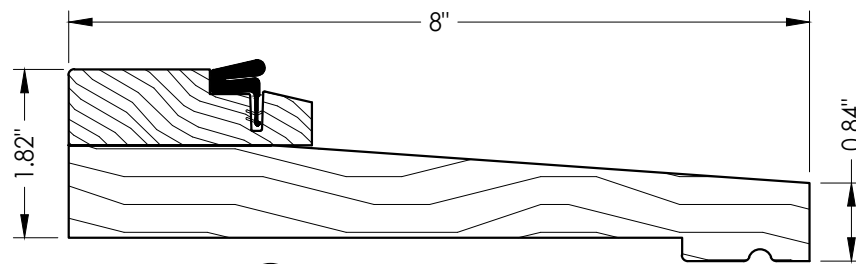
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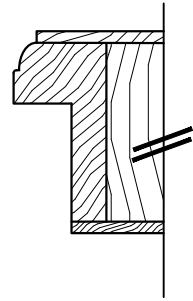
61 OUTSWING HIGH DAM THRESHOLD
By Brannen Millworks



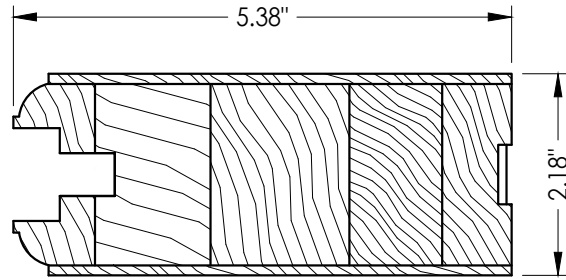
63 INSWING SADDLE THRESHOLD
By Brannen Millworks



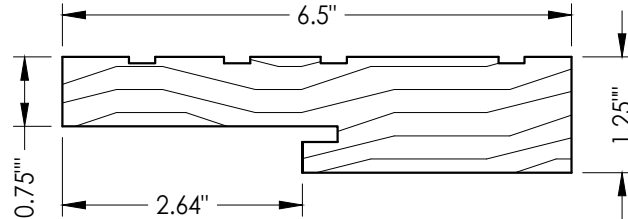
62 INSWING SADDLE THRESHOLD
By Brannen Millworks



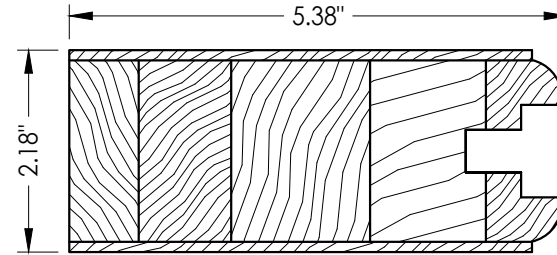
2 LATCH STILE
For glazed infill



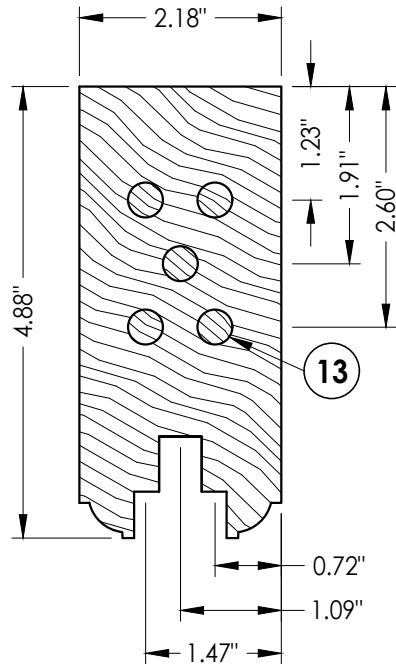
2 LATCH STILE
For panel infill



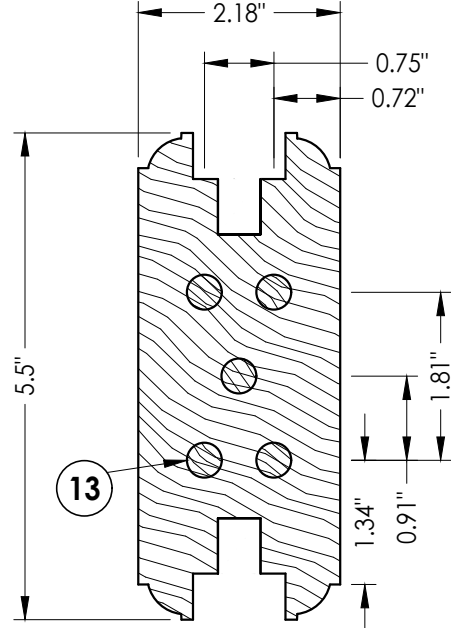
15 HEAD & SIDE JAMB



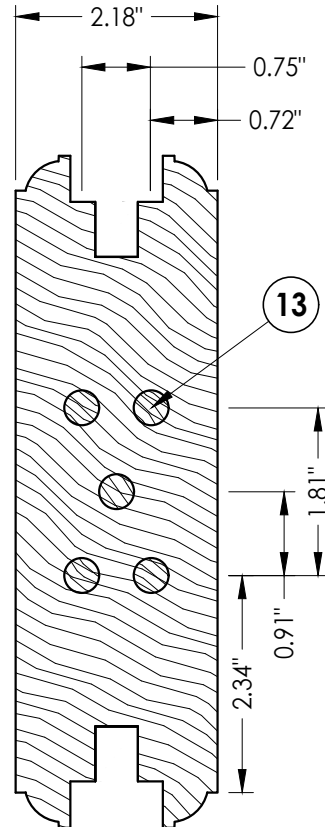
4 HINGE STILE
For panel infill



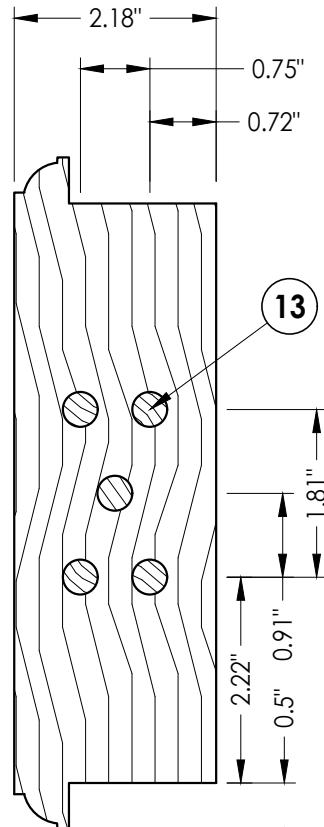
7 TOP RAIL



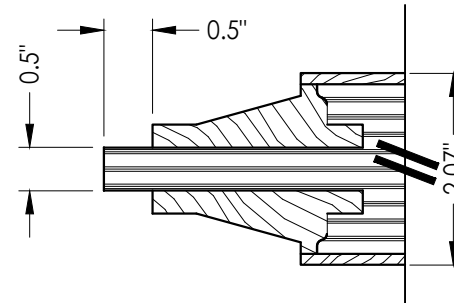
8 UPPER INTERMEDIATE RAIL



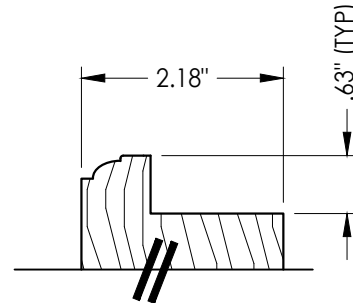
6 LOCK RAIL
For panel infill



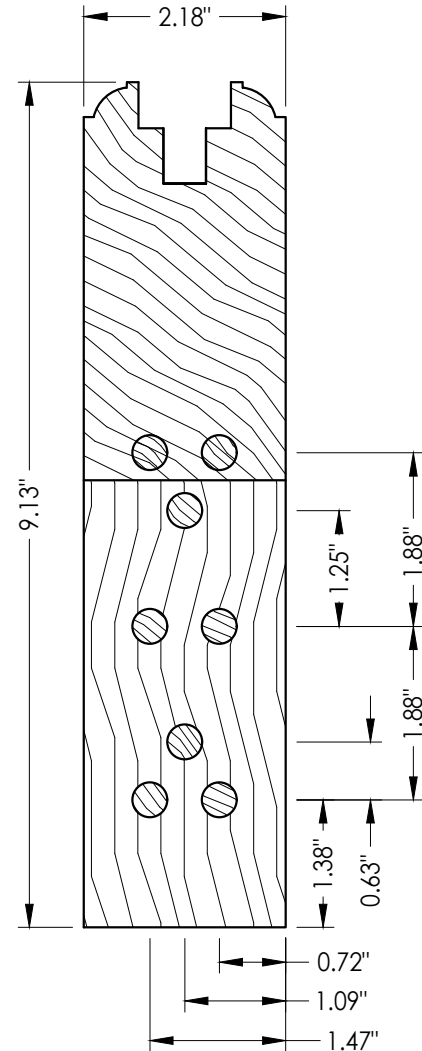
6 LOCK RAIL
For glazed infill



11 PANEL INFIL



9 BOTTOM RAIL
For glazed infill



9 BOTTOM RAIL
For panel infill

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:
BRANNEN MILLWORK
WOOD DOOR

PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
4	10/4/23	UPDATE TO 8TH ED. (2023) FBC
3	9/16/20	UPDATE TO 7TH ED. (2020) FBC
2	07/11/17	UPDATE TO 6TH ED. (2017) FBC
1	08/10/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 10/06/09

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

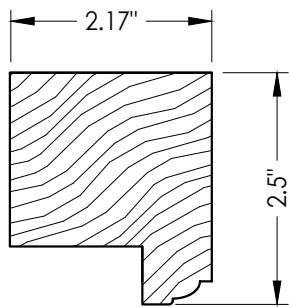
FL-15737.5

SHEET 13 OF 14

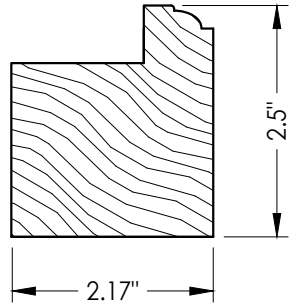
Z:\2023 FBC Drawings\Brannen Millwork\FL-15737 R5 Swing Doors\FL-15737.1-6.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.55)	WOOD
B	2X BUCK (SG >= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" 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	1/4" X 3-1/4" DeWALT OR ITW CONCRETE SCREW	STEEL
H	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
G	5/16" X 2-3/4" ITW CONCRETE SCREW	STEEL
I	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
K	#10 X 3" PFH WOOD SCREW (1-3/16" MIN. EMBEDMENT)	STEEL
1	MID STILE (SG>= 0.54)	WOOD
2	LATCH STILE (SG >= 0.54)	WOOD
4	HINGE STILE (SG >= 0.54)	WOOD
5	WOOD DOOR	-
6	LOWER INTERMEDIATE RAIL (SG>= 0.54)	WOOD
7	TOP RAIL (SG >= 0.54)	WOOD
8	UPPER INTERMEDIATE RAIL (SG >= 0.54)	WOOD
9	BOTTOM RAIL (SG >= 0.54)	WOOD
10	GLASS STOP (SG >= 0.54)	WOOD
11	PANEL INFIL (SG >= 0.54)	WOOD
12	PANEL / GLASS STOP (SG >= 0.54)	WOOD
13	3/8"Ø X 2-3/4" DOWEL	WOOD
14	SEALANT	SILICONE
15	JAMB (SG>= 0.54)	WOOD
16	HEADER (SG>= 0.54)	WOOD
17	16GA. X 1-1/2" BRAD TRIM NAIL	STEEL
18	#8 X 2-1/2" WOOD SCREW (1.5" MIN. EMBEDMENT - DOOR JAMBS) (1.15" MIN. EMBEDMENT w/ 0.15" C'-SINK - TRANSOM)	STEEL
19	#6 X 3" WOOD SCREW	STEEL
20	1" BRAD NAIL (18 GA.)	STEEL
21	2" BRAD NAIL (14 GA.)	STEEL
22	5" HINGE	STEEL
23	#12 X 1-1/4" PFH SMS	STEEL
24	#12 X 2" PFH SMS	STEEL
25	Q-LON COMPRESSION WEATHERSTRIPPING	FOAM
27	EXTERIOR MULLION CAP (1.0" X 2.5") (SG. >= 0.54)	WOOD
28	INTERIOR MULLION CAP (.25" X 2.5") (SG. >= 0.54)	WOOD
29	GLAZING COMPOUND DOW #1199 SILICONE	SILICONE
30	1" MULLION (POPLAR)(SG. >= 0.42)	WOOD
32	LOCK STRIKE PLATE (0.100" THK.)	STEEL
33	#8 X 5/8" PFH SMS	STEEL
36	TRANSOM SILL (SC >= 0.54)	WOOD
37	TRANSOM PANEL	-
38	TRANSOM TOP RAIL (SG >= 0.54)	WOOD
39	TRANSOM BOTTOM RAIL (SG >= 0.54)	WOOD

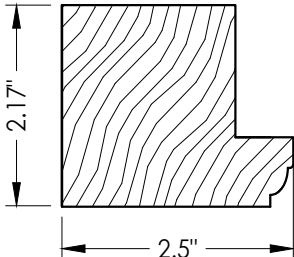
40	TRANSOM STILE (SG >= 0.54)	WOOD
42	4" X 8" CONNECTION PLATE (24 GA.)	STEEL
43	1" X 3/4" STAPLE (16 GA.)	STEEL
45	MULTI POINT STRIKE PLATE @ HEAD & SILL	STEEL
46	REINFORCEMENT PLATE	STEEL
47	#8 X 1-1/2" SFH SMS	STEEL
50	GLAZING SPACER (DESICCANT FILLED)	ST. STEEL
51	#9 X 2" PFH WOOD SCREW	STEEL
52	#6 X .75" PFH WS	STEEL
53	EUREKO-DECO LOUIS V SURFACE BOLT	STEEL
54	SURFACE BOLT STRIKE PLATE	STEEL
55	EUREKO-DECO FRANCE SURFACE BOLT	STEEL
57	HOPPE MULTIPOINT LOCK SERIES HLS9000	STEEL
58	EUREKA-DECO CREMONE SURFACE BOLT	STEEL
59	#7 X 1-3/4" PFH SMS	STEEL
61	OUTSWING HIGH DAM THRESHOLD	OAK/ALUM
62	INSWING SADDLE THRESHOLD	OAK
63	INSWING THRESHOLD	OAK/ALUM
64	#6 X 1-1/2" PFH SMS	STEEL
65	#8 X 1-1/2" SFH SMS	STEEL



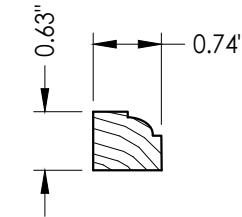
38 TRANSOM TOP RAIL



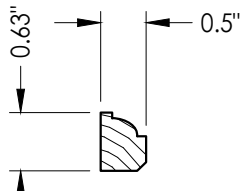
39 TRANSOM BOTTOM RAIL



40 TRANSOM STILE



10 GLASS STOP



12 PANEL / GLASS STOP

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BRANNEN MILLWORK WOOD DOOR		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS		REVISIONS		DATE: 10/13/09		SCALE: N.T.S.		DWG. BY: JK		CHK. BY: LFS		DRAWING NO.: FL-15737.5		SHEET 14 OF 14	
4		10/4/23	UPDATE TO 8TH ED. (2023)	FBC	LFS														
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