

BRANNEN MILLWORK

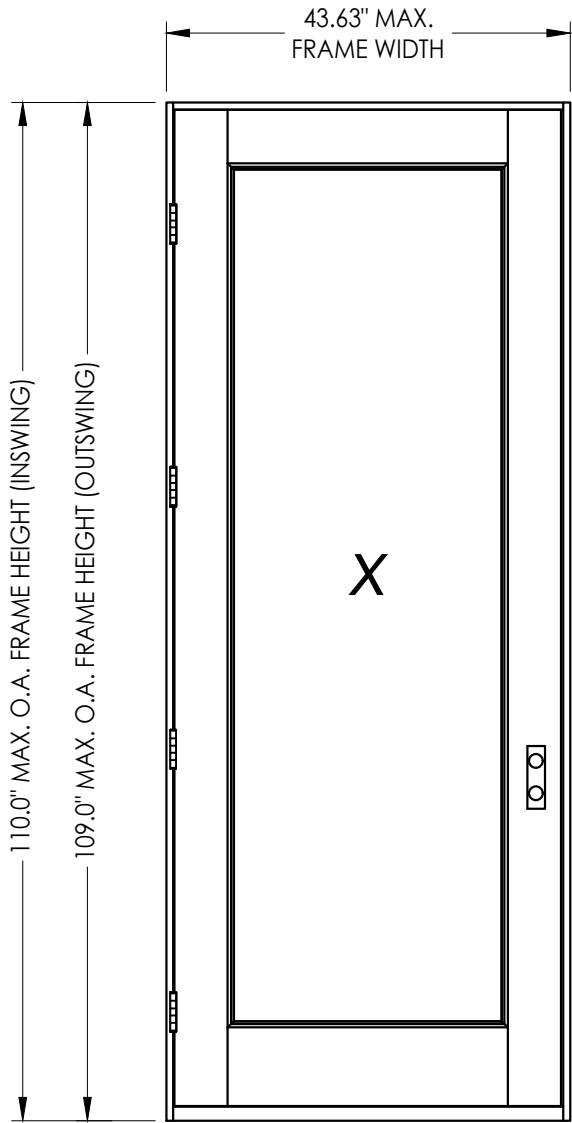
3379 EAST HWY. 46
REGISTER, GEORGIA 30452

GLAZED WOOD DOOR INSWING/OUTSWING "IMPACT"

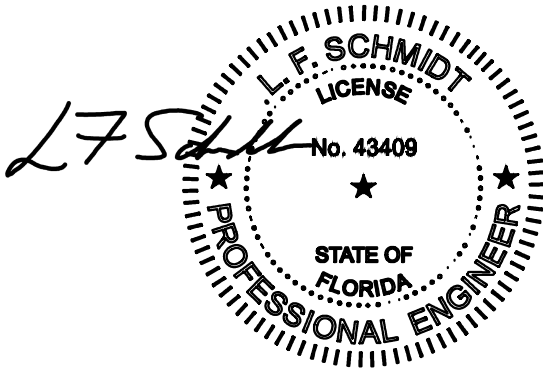
GENERAL NOTES

- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
- When used in areas outside of the "HVHZ" 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 E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- Outswing configurations meet the water infiltration requirements for the "HVHZ".
- Inswing configurations do not meet the water infiltration requirements for the "HVHZ". Inswing units shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

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9	COMPONENTS
10	BILL OF MATERIALS



LOCK TYPE	MAX. FRAME DIMENSION	MAX. D.I.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
MULTI-POINT LOCK OR SURFACE BOLTS	43.63" x 110.0"	28.87" x 91.88"	G1, G2	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2023.10.12 09:34:56 -04'00'

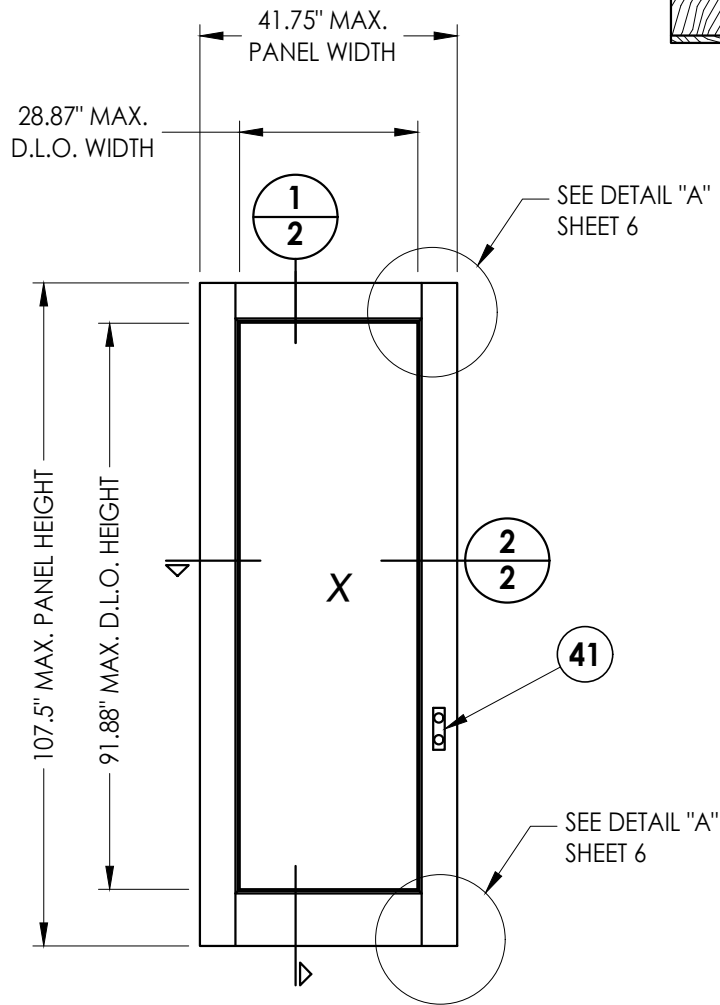
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

PRODUCT:		BRANNEN MILLWORK WOOD DOOR		PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURE & GENERAL NOTES	
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: 6/25/12							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-15737.1							
SHEET 1 OF 10							

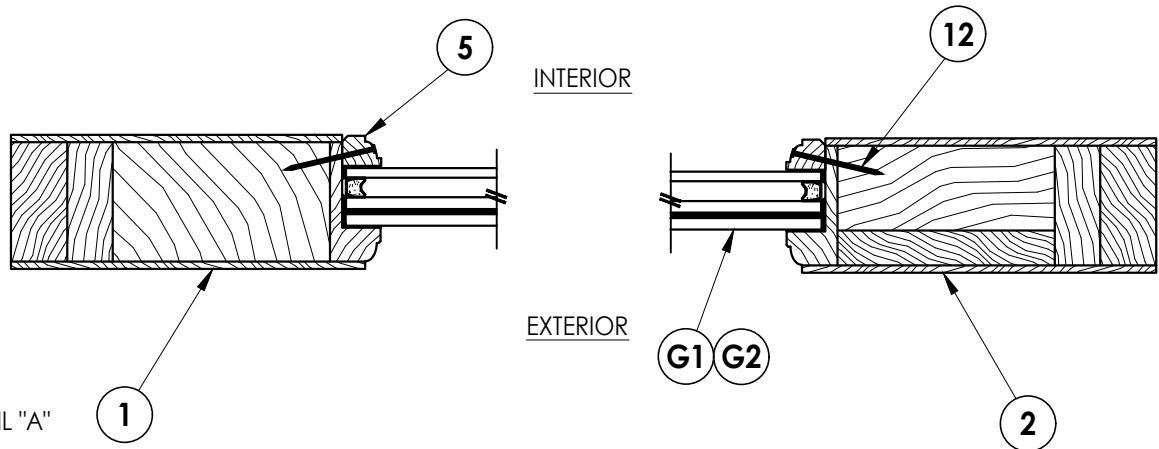
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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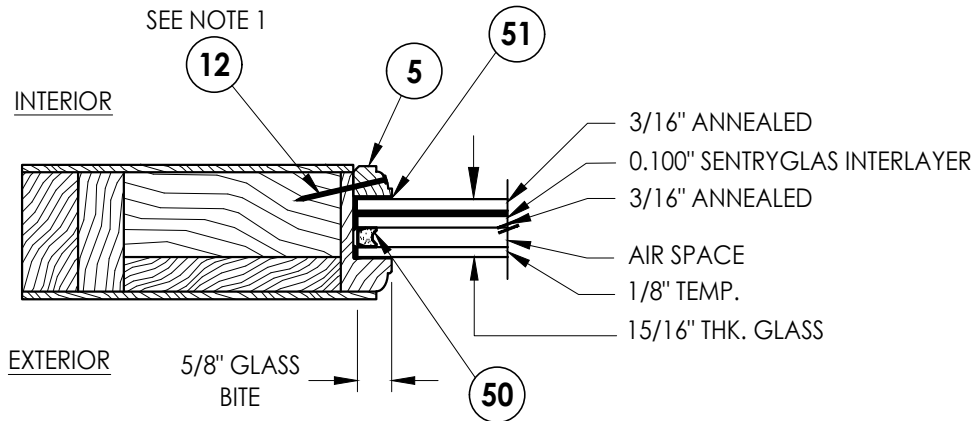


NOTES

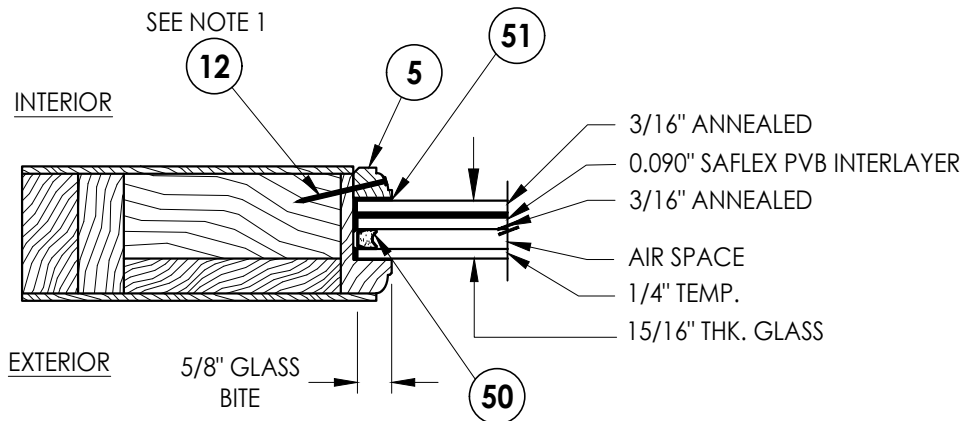
1. Glass infill stop anchorage: item #12 located typ. 2\"/>



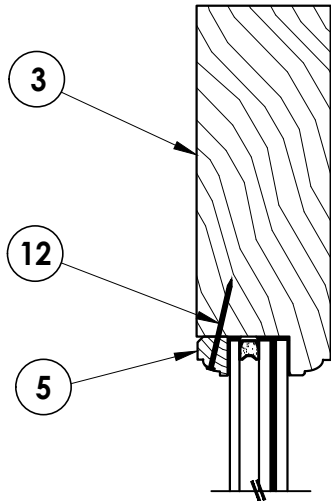
2
2 HORIZONTAL CROSS SECTION



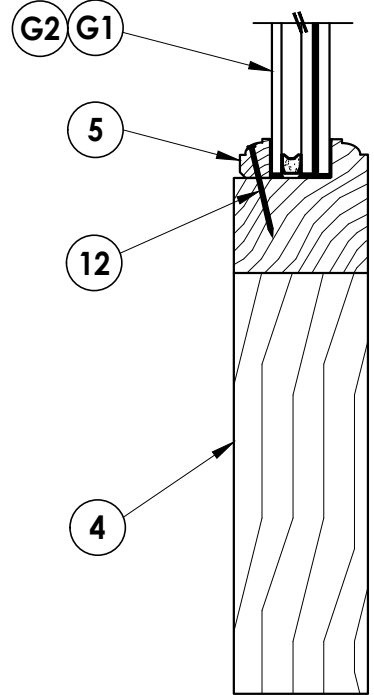
G1 GLAZING DETAIL



G2 GLAZING DETAIL



INTERIOR EXTERIOR



1
2 VERTICAL CROSS SECTION

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PRODUCT:
BRANNEN MILLWORK
WOOD DOOR

PART OR ASSEMBLY:
GLAZED DOOR PANEL SECTIONS
AND GLAZING DETAIL

NO.	DATE	REVISIONS			
		BY	LFS	FBC	DATE
4	10/4/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
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SCALE: N.T.S.

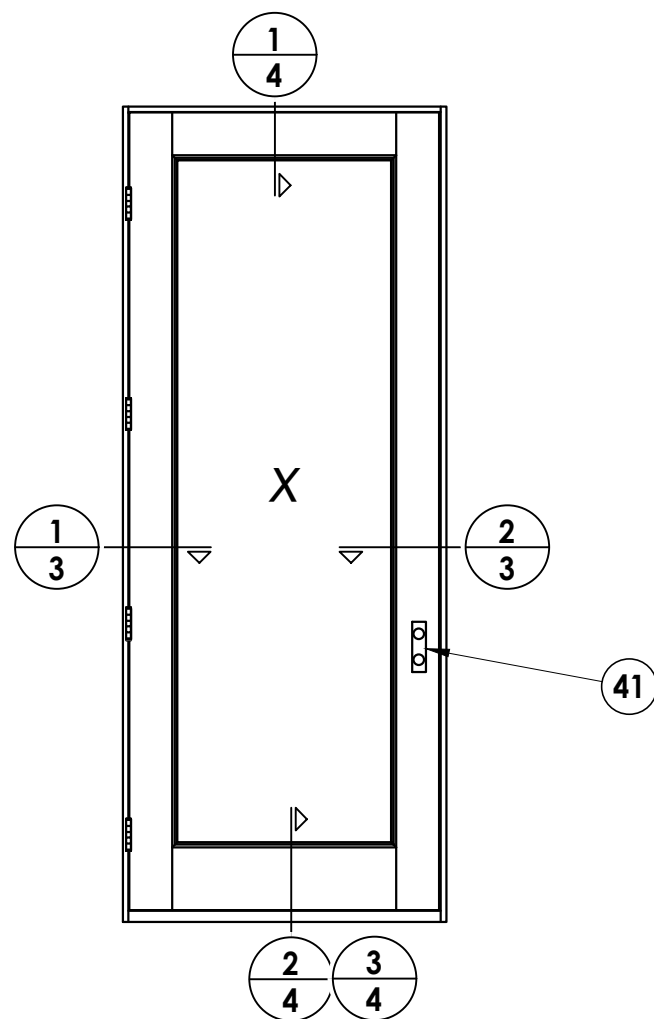
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15737.1

SHEET 2 OF 10

[illegible]

Documents Prepared By:
Lyndon F. Schmidt
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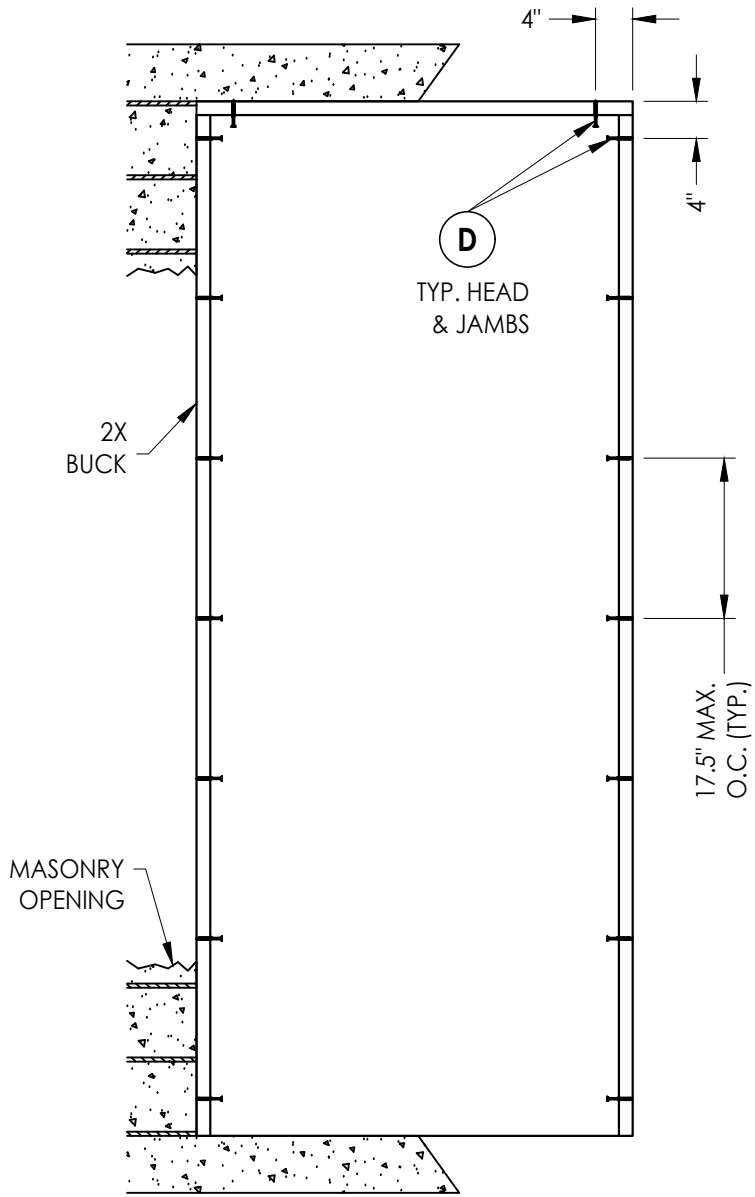
RW

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

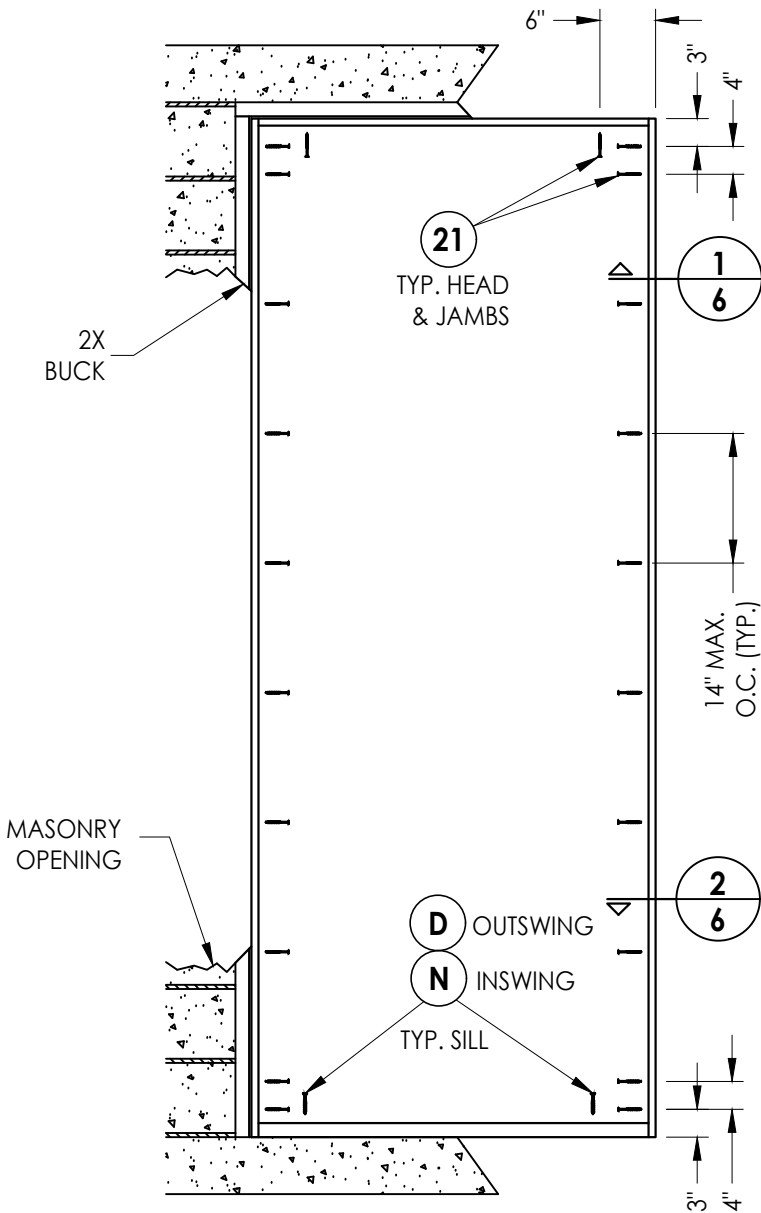
Prepared By:
J. Schmidt
43409

BUILDING CONSULTANTS, INC.
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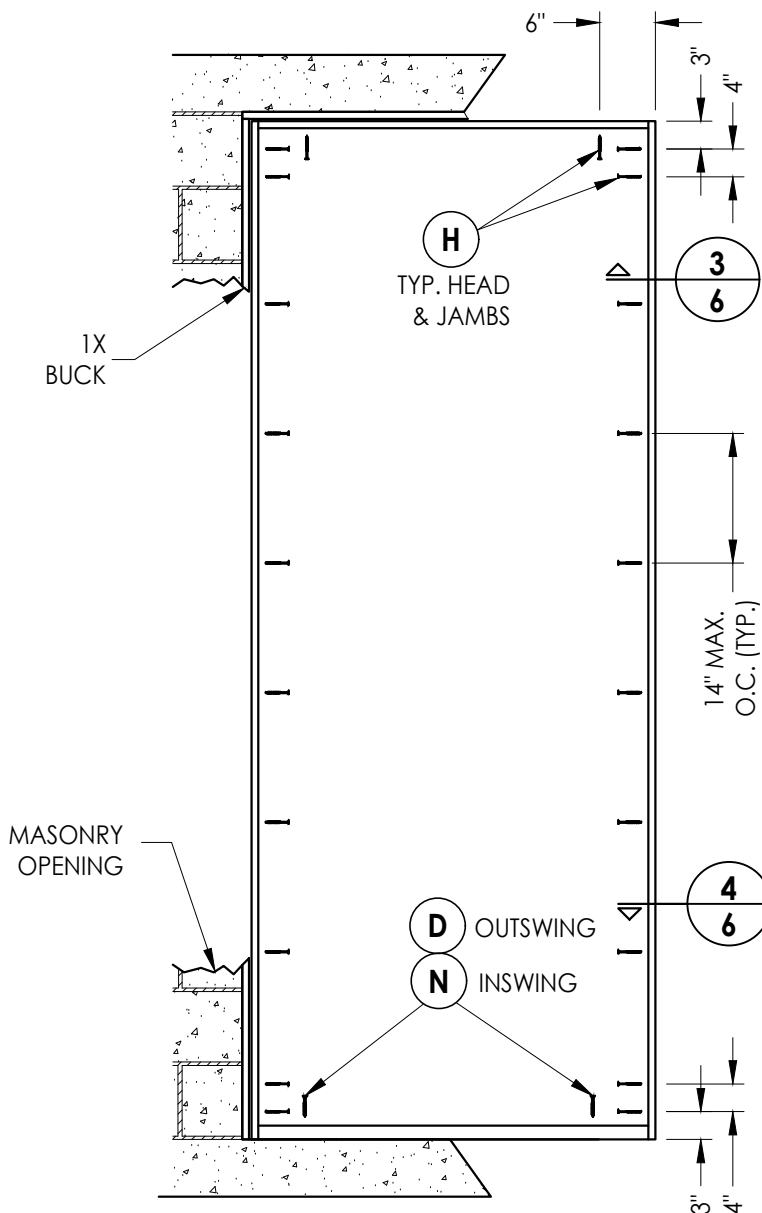
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BUCK ANCHORING



FRAME ANCHORING
Masonry 2X buck construction



FRAME ANCHORING
Masonry 1X buck construction

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"	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.

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PRODUCT: BRANNEN MILLWORK WOOD DOOR
PART OR ASSEMBLY: BUCK AND FRAME ANCHORING

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DATE: 6/25/12

SCALE: N.T.S.

DWG. BY: JK

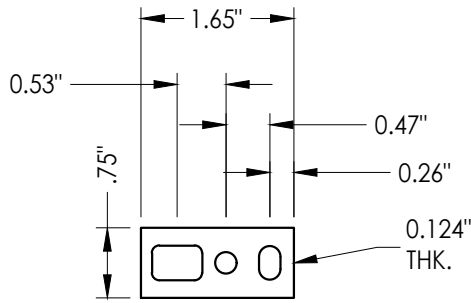
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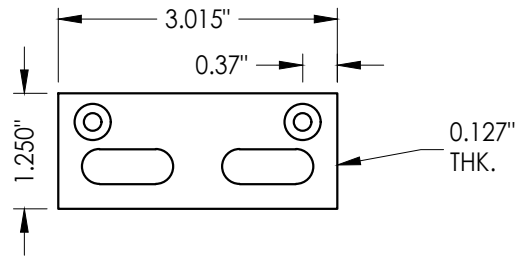
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SHEET 5 OF 10

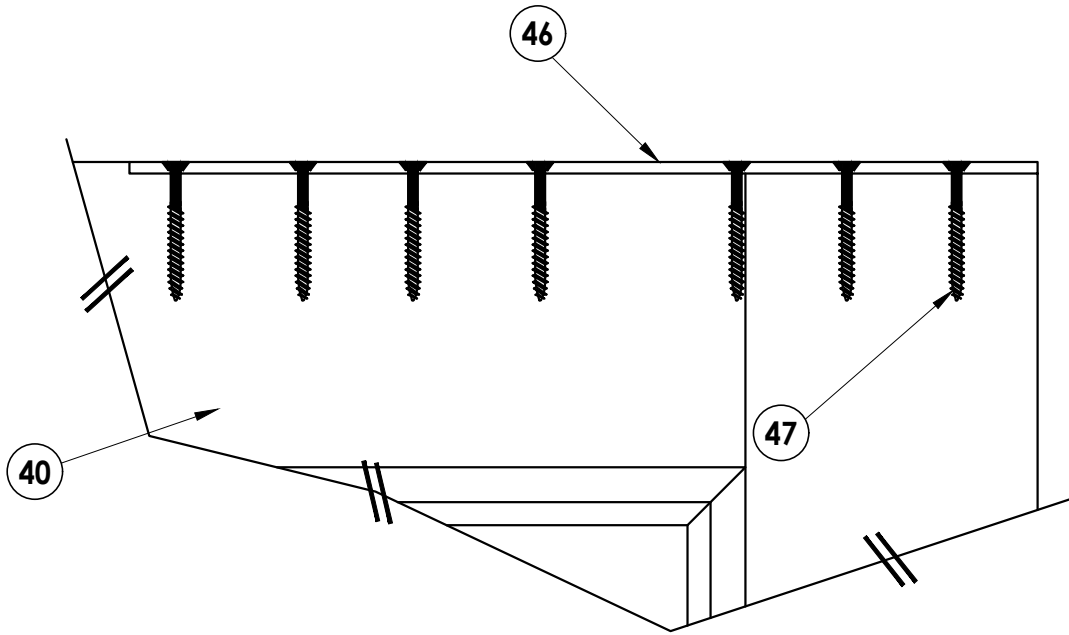
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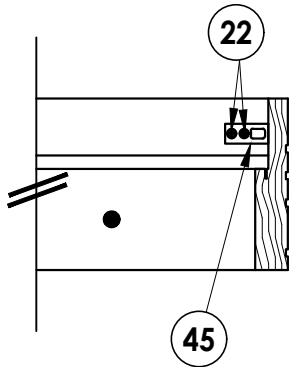
45 MULTI-POINT STRIKE PLATE



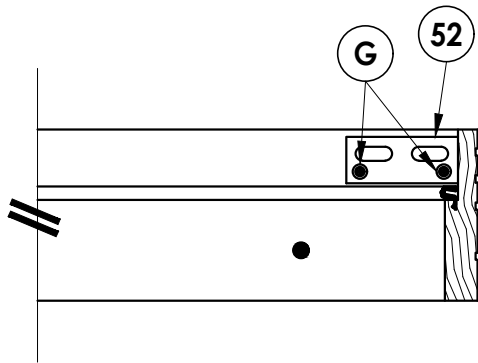
52 LARGE MULTI-POINT STRIKE PLATE



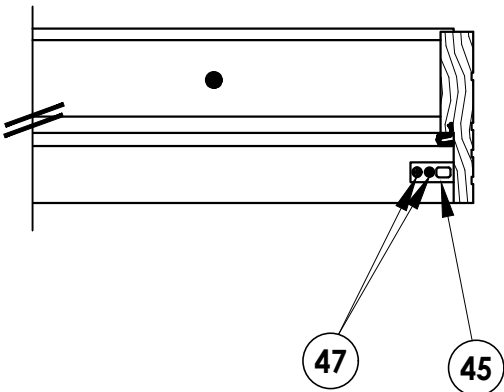
DETAIL "A"
Typical at top & bottom of door



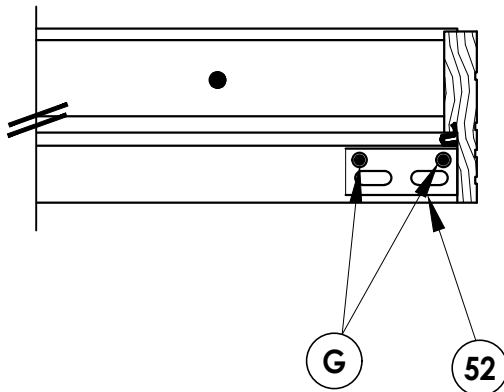
1/6 MULTI-POINT STRIKE INSTALLATION
View looking up @ head



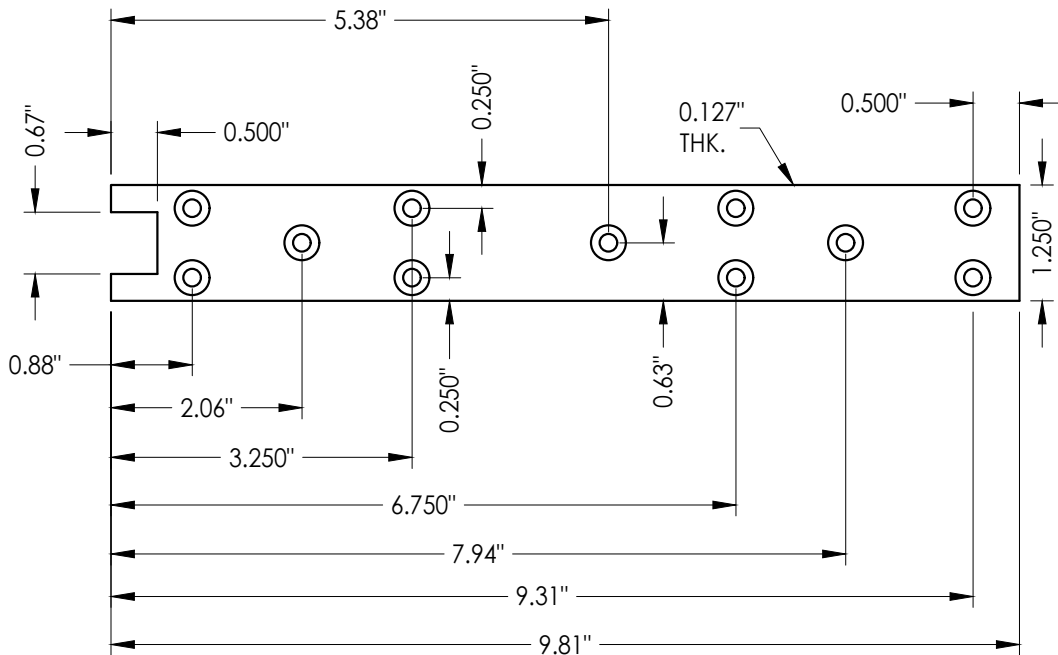
3/6 MULTI-POINT STRIKE INSTALLATION
View looking up @ head
Masonry 1X installation



2/6 MULTI-POINT STRIKE INSTALLATION
View looking down @ sill



4/6 MULTI-POINT STRIKE INSTALLATION
View looking down @ sill
Masonry 1X installation



46 REINFORCEMENT PLATE
Multi-point lock assy.

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PRODUCT:
BRANNEN MILLWORK
WOOD DOOR

PART OR ASSEMBLY:
MULTI-POINT LOCK
HARDWARE DETAILS

NO.	DATE	REVISIONS
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SCALE: N.T.S.

DWG. BY: JK

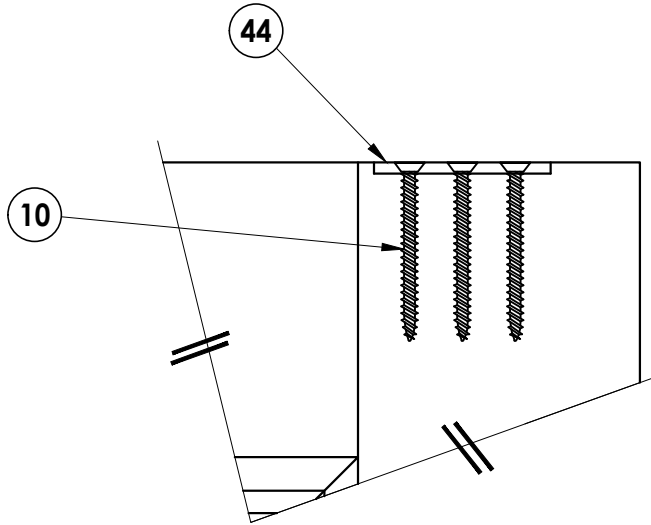
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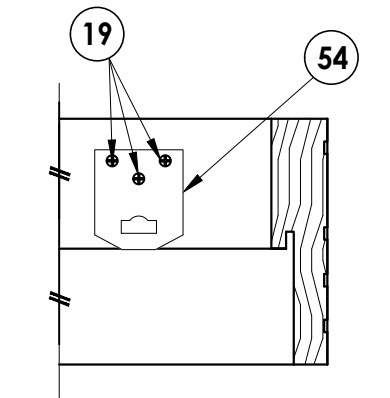
FL-15737.1

SHEET 6 OF 10

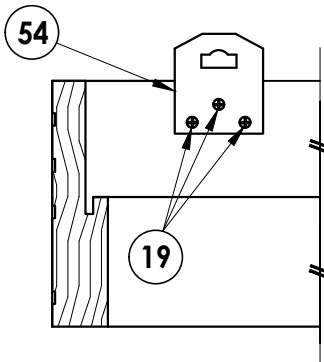
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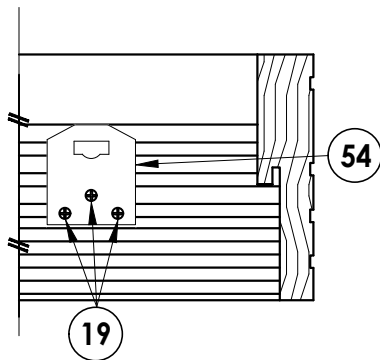
DETAIL "A"
SURFACE BOLT GUIDE PLATE
Typical at top & bottom of door



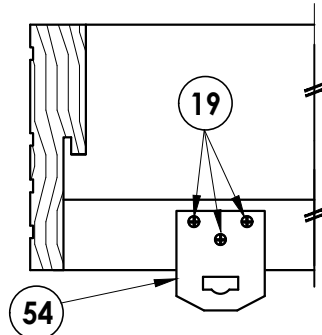
DETAIL "B"
SURFACE BOLT STRIKE INSTALLATION
View looking up @ head - outswing



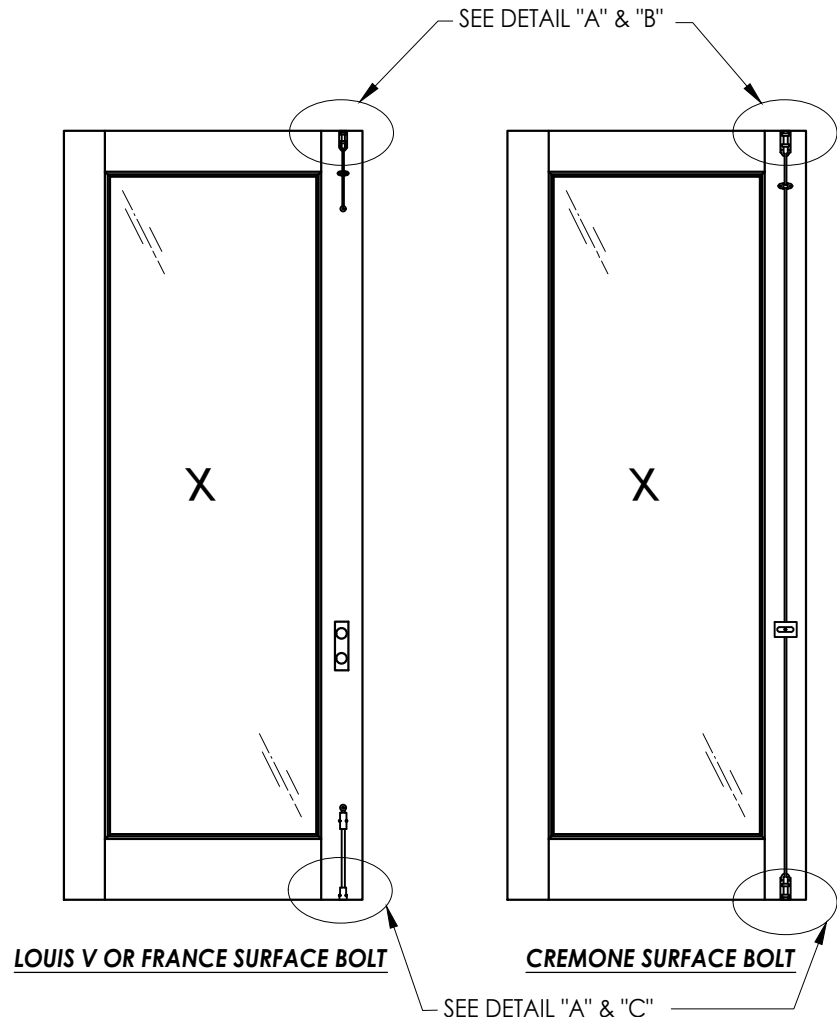
DETAIL "B"
SURFACE BOLT STRIKE INSTALLATION
View looking up @ head - inswing



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



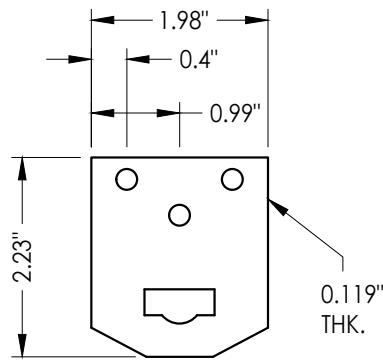
DETAIL "C"
SURFACE BOLT STRIKE INSTALLATION
View looking down @ sill - inswing



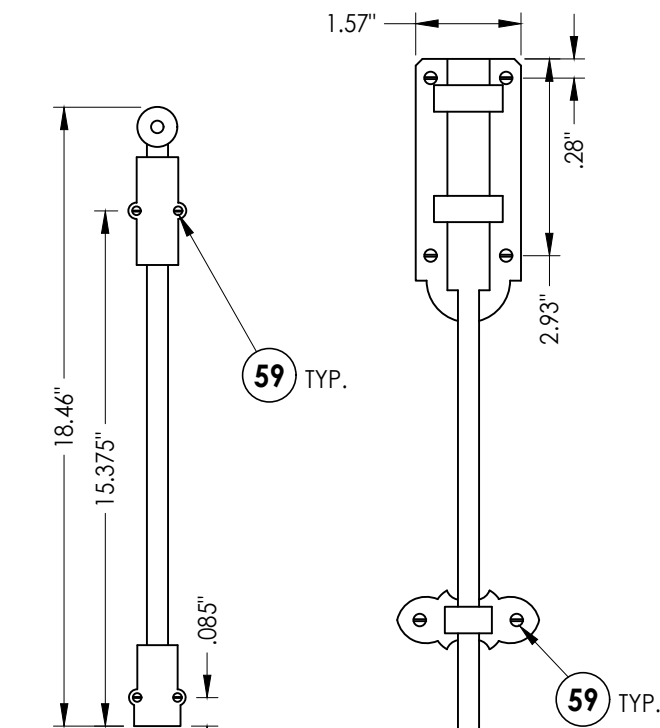
LOUIS V OR FRANCE SURFACE BOLT

CREMONE SURFACE BOLT

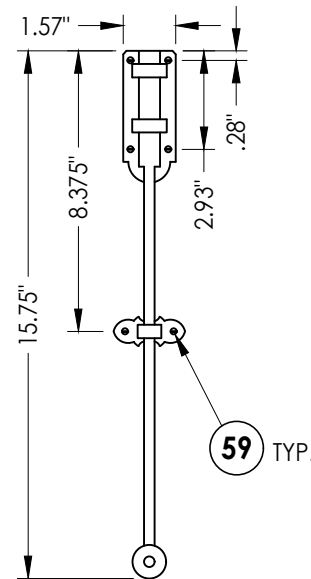
SURFACE BOLTS
When surface bolts are used,
the Hoppe multi-point lock is
not required



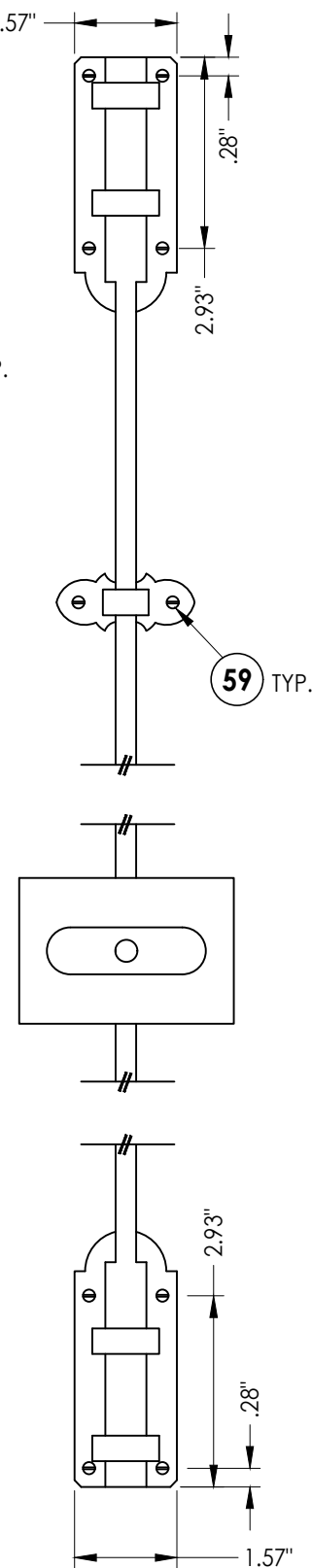
54 SURFACE BOLT STRIKE PLATE
@ Head & Sill
Typ. Panel & frame



55 EUREKO-DECO
Louis V
Surface Bolt



56 EUREKO-DECO
France
Surface Bolt



57 EUREKO-DECO
Cremone
Surface Bolt

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P.E. No. 43409

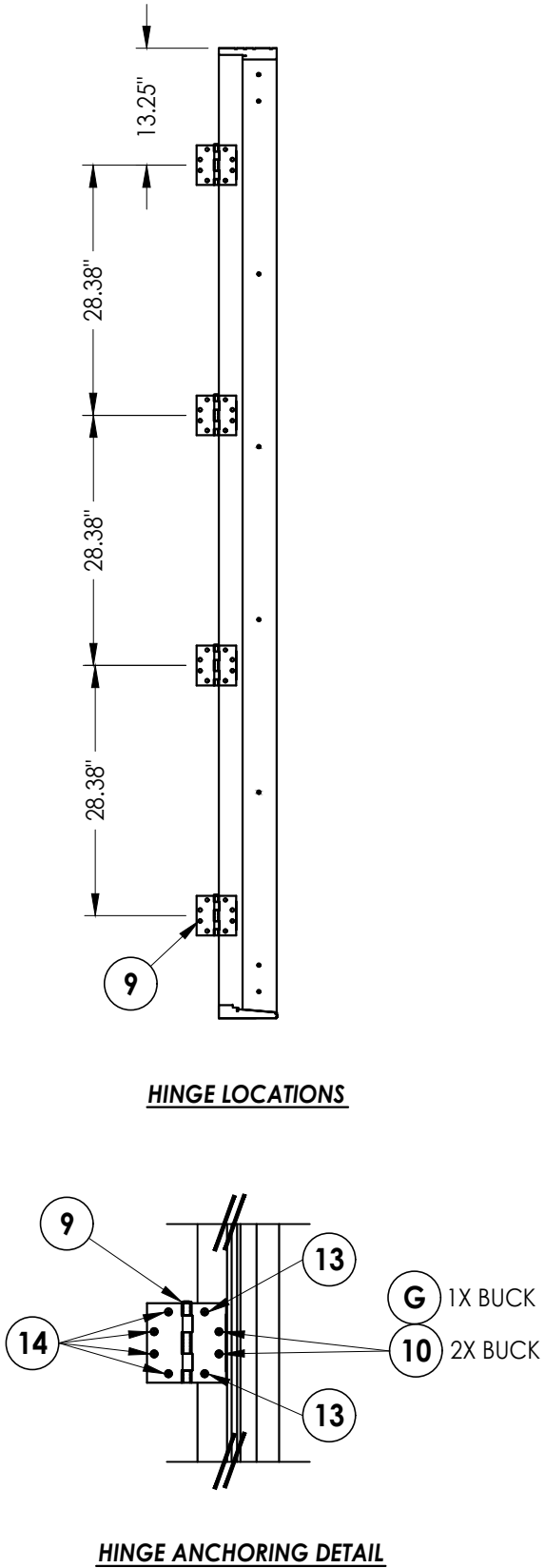
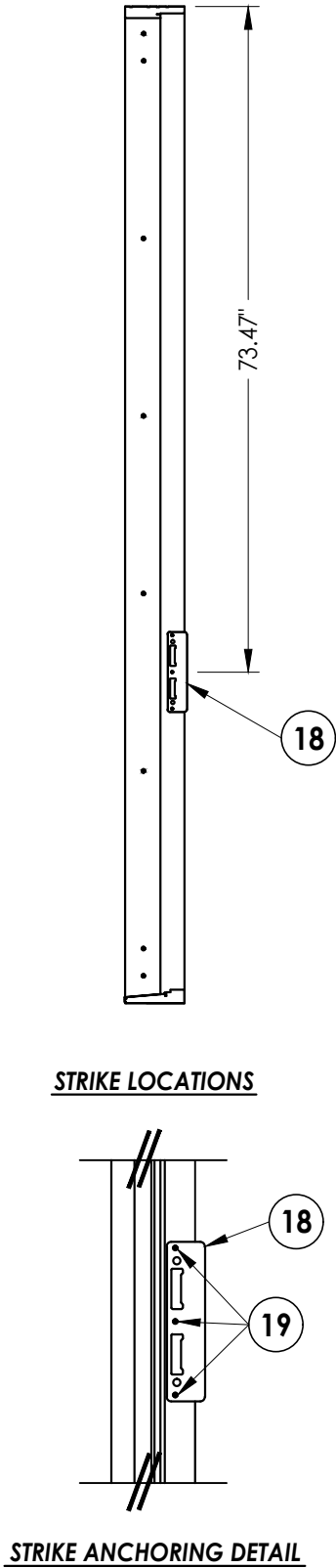
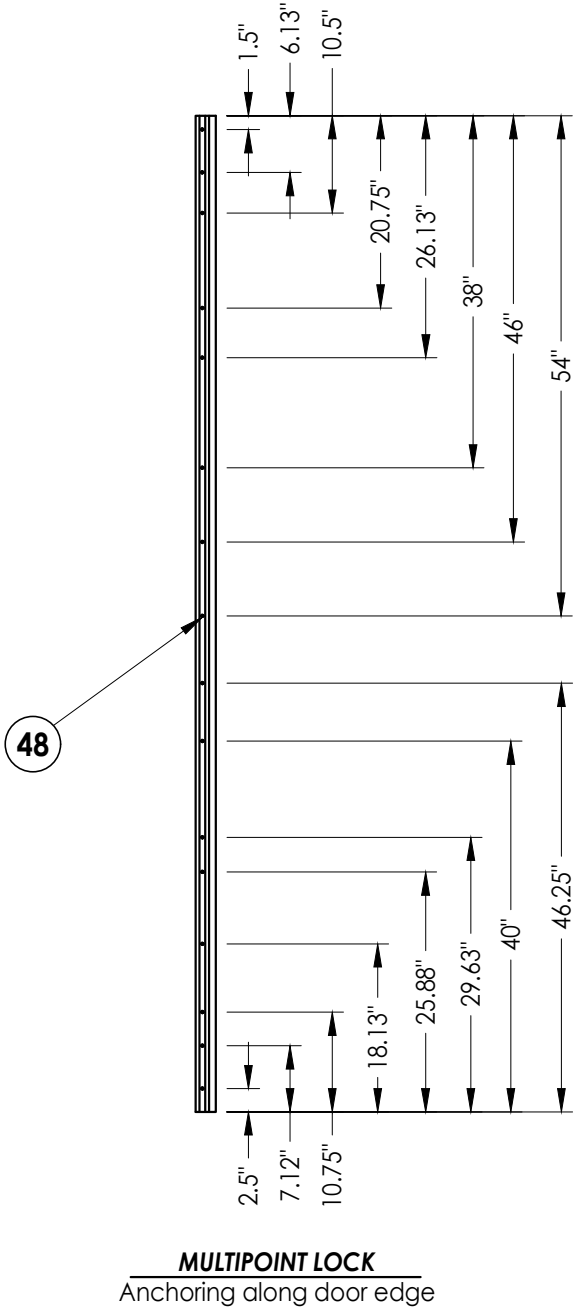
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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PRODUCT:
BRANNEN MILLWORK
WOOD DOOR

PART OR ASSEMBLY:
SURFACE BOLT
HARDWARE DETAILS

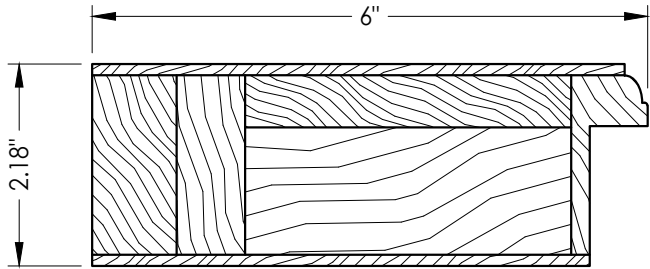
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3	9/16/20	UPDATE TO 7TH ED. (2020) FBC LFS
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SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-15737.1
SHEET 7 OF 10

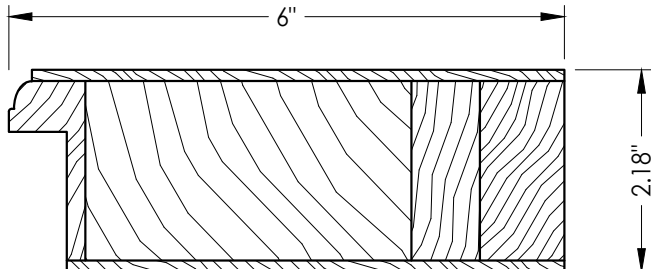


DATE: 6/25/12				PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.				BRANNEN MILLWORK WOOD DOOR		Lyndon F. Schmidt P.E. No. 43409	
DWG. BY: JK				PART OR ASSEMBLY:		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
CHK. BY: LFS				HARDWARE ANCHORING DETAILS			
DRAWING NO.: FL-15737.1							
SHEET 8 OF 10							
				REVISIONS			
4	10/4/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
3	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS			
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1	08/10/15	UPDATE TO 5TH ED. (2014)	FBC	LFS			
NO.	DATE			BY			

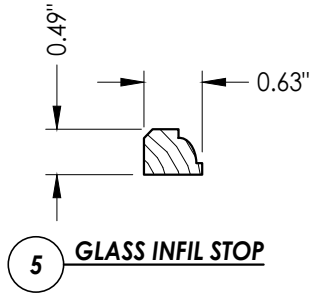
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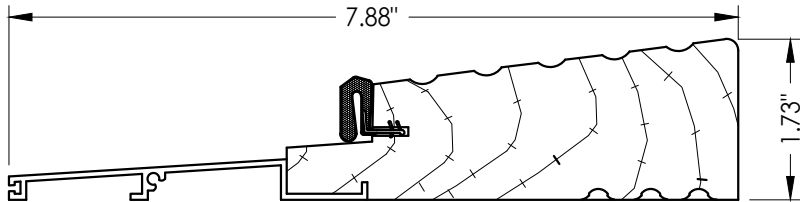
2 HINGE STILE



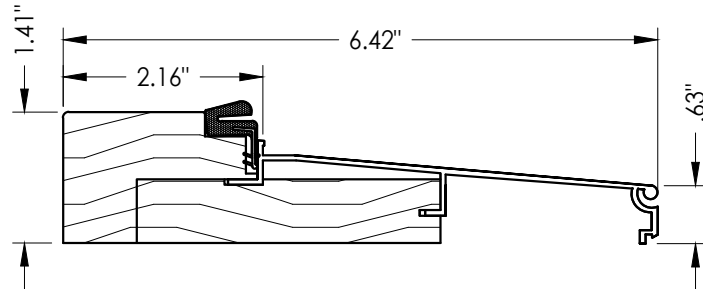
1 LATCH STILE



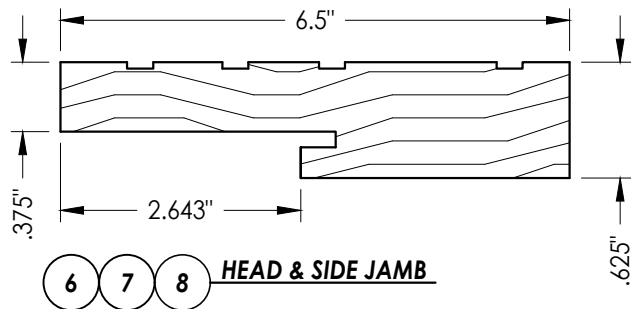
5 GLASS INFIL STOP



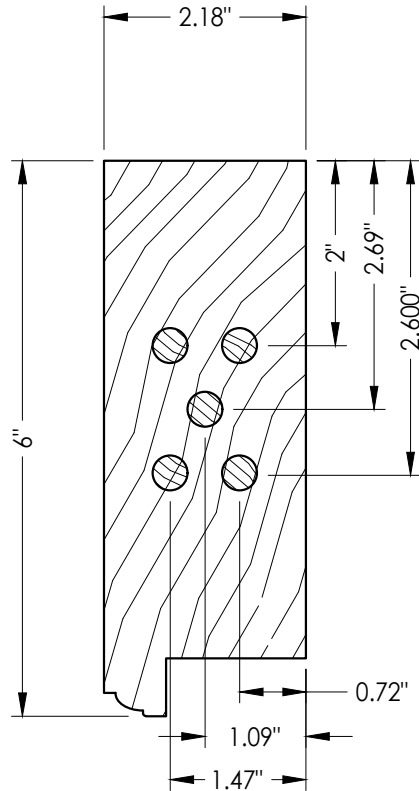
31 OUTSWING HIGH DAM THRESHOLD
By Brannen Millworks



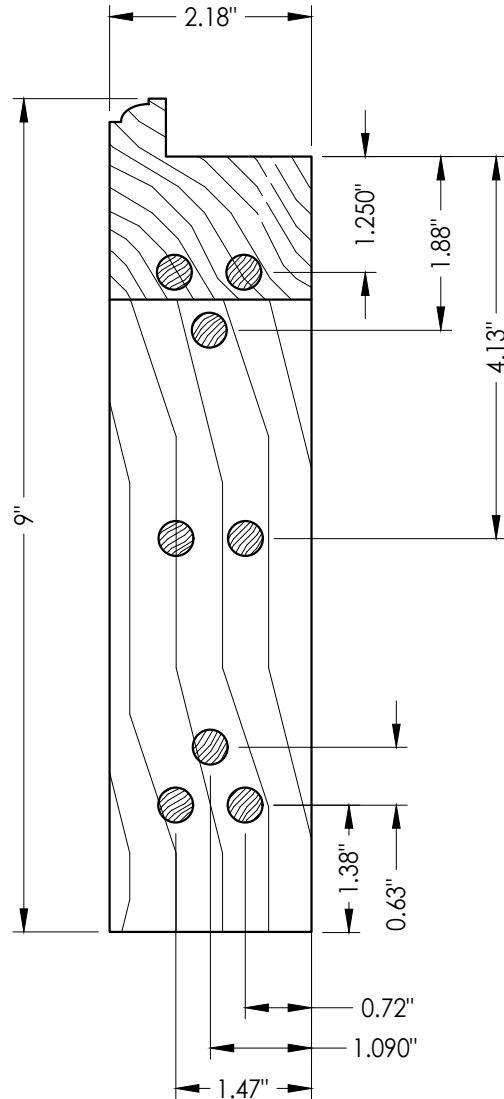
30 INSWING SADDLE THRESHOLD
By Brannen Millworks



6 7 8 HEAD & SIDE JAMB



3 TOP RAIL



4 BOTTOM RAIL

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SHEET 9 OF 10

PRODUCT:	BRANNEN MILLWORK WOOD DOOR
PART OR ASSEMBLY:	COMPONENTS

Documents Prepared By:
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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.55)	WOOD
B	2 X BUCK (SG >= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	STEEL
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	3/16" X 1-3/4" ITW PFH CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" ITW PFH CONCRETE SCREW	STEEL
H	1/4" X 3-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
N	1/4" X 2-1/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
1	LATCH STILE FOR GLASS (SG >= 0.54)	WOOD
2	HINGE STILE FOR GLASS (SG >= 0.54)	WOOD
3	TOP RAIL (SG >= 0.54)	WOOD
4	BOTTOM RAIL (SG >= 0.54)	WOOD
5	GLASS STOP (SG >= 0.54)	WOOD
6	JAMB (HEADER) (SG >= 0.54)	WOOD
7	JAMB (LATCH) (SG >= 0.54)	WOOD
8	JAMB (HINGE) (SG >= 0.54)	WOOD
9	HINGE	STEEL
10	#9 X 2" PFH WOOD SCREW	STEEL
12	.074" X 1-1/2" BRAD NAIL	STEEL
13	#9 X 1/2" PFH WOOD SCREW	STEEL
14	#9 X 1" PFH WOOD SCREW	STEEL
15	WEATHERSTRIP	FOAM
18	MULTI-POINT LATCH STRIKE	STEEL
19	#6 X .75" PFH WS	STEEL
21	#10 X 2-3/4" PFH SMS (1.15" MIN. EMBEDMENT w/ 0.15" C'-SINK))	STEEL
22	#8 X 2-1/2" WOOD SCREW	STEEL
30	INSWING THRESHOLD	OAK/ALUM
31	OUTSWING HIGH DAM THRESHOLD	OAK/ALUM
40	GLAZED DOOR PANEL (SEE PANEL PAGE FOR DETAILS)	-
41	HOPPE MULTIPOINT LOCK SERIES HLS9000	STEEL
45	MULTI-POINT STRIKE PLATE	ST. STEEL
46	REINFORCEMENT PLATE	ST. STEEL
47	#8 X 1-1/2" PFH SMS	STEEL
48	#7 X 1-3/4" PFH SMS	STEEL
50	GLAZING SPACER (DESICCANT FILLED)	ST. STEEL
51	GLAZING COMPOUND DOW #1199	SILICONE
52	LARGE MULTI-POINT STRIKE PLATE	STEEL
54	SURFACE BOLT STRIKE PLATE	SILICONE
55	EUREKO-DECO LOUIS V SURFACE BOLT	STEEL
56	EUREKO-DECO FRANCE SURFACE BOLT	SILICONE
57	EUREKO-DECO CREMONE SURFACE BOLT	STEEL
59	#7 X 1-3/4" PFH SMS	STEEL

[illegible]