

BRANNEN MILLWORK

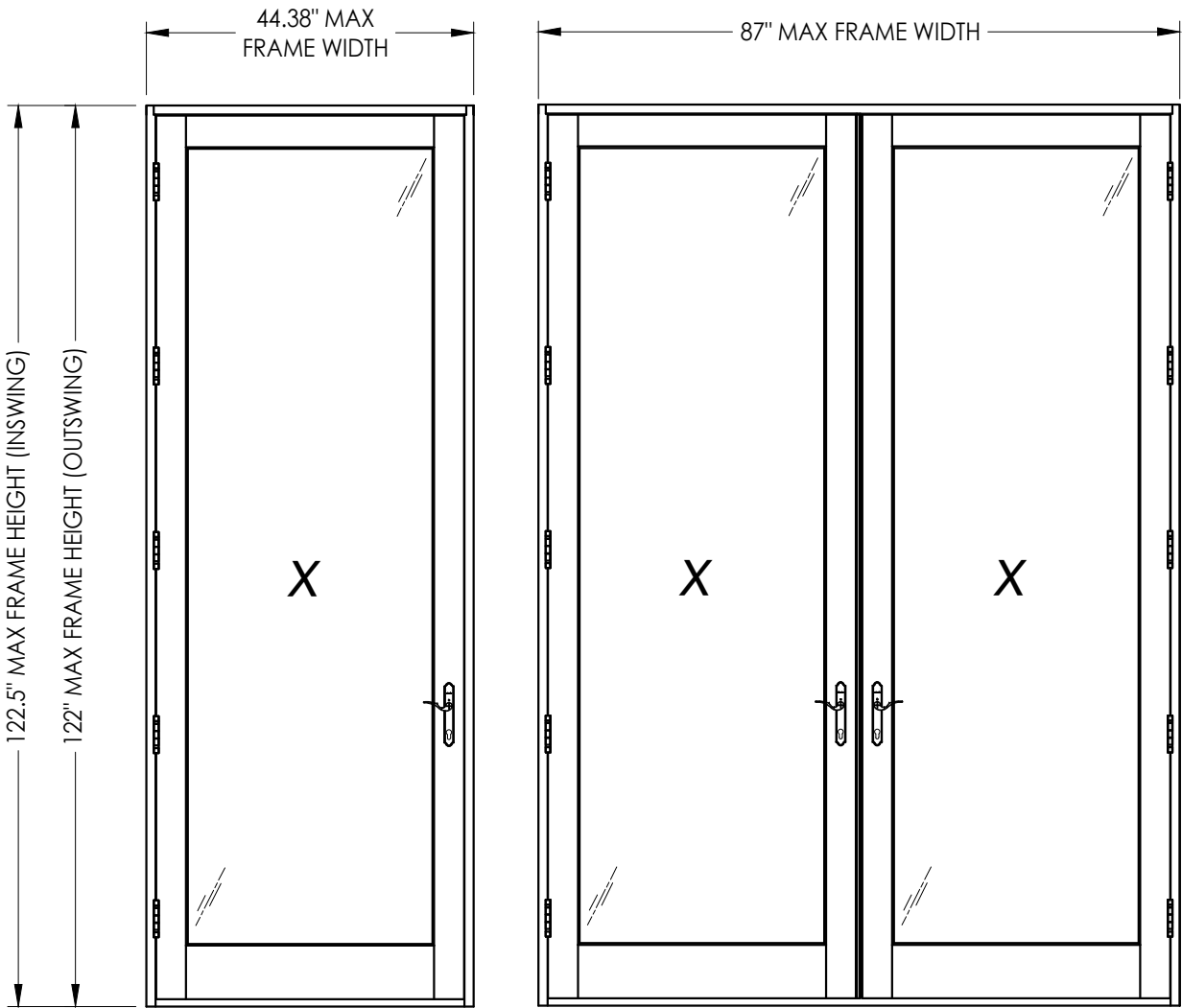
3379 EAST HWY. 46
REGISTER, GEORGIA 30452

GLAZED WOOD DOOR
INSWING/OUTSWING
"IMPACT"

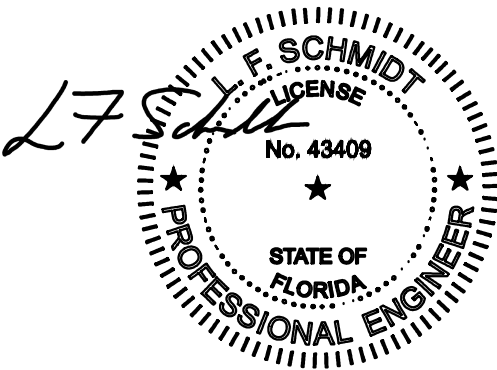
GENERAL NOTES

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 E 1996 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 & glazing details
3	Door panel & glazing details
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6	Vertical cross sections
7	Buck anchoring
8	Frame anchoring
9	Frame anchoring
10	Bill of materials & components



SWING	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
OUTSWING	87.0" x 122.0"	33.0" x 108.0"	G1, G2	+50.0	-50.0
INSWING	87.0" x 122.5"	33.0" x 108.0"	G1, G2	+50.0	-60.0



Digitally signed by Lyndon F Schmidt
Date: 2023.10.12 08:24:54 -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

BRANNEN MILLWORK
WOOD DOOR

DATE: 12/7/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15737.17

SHEET 1 OF 10

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

REVISIONS

DATE: 12/7/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

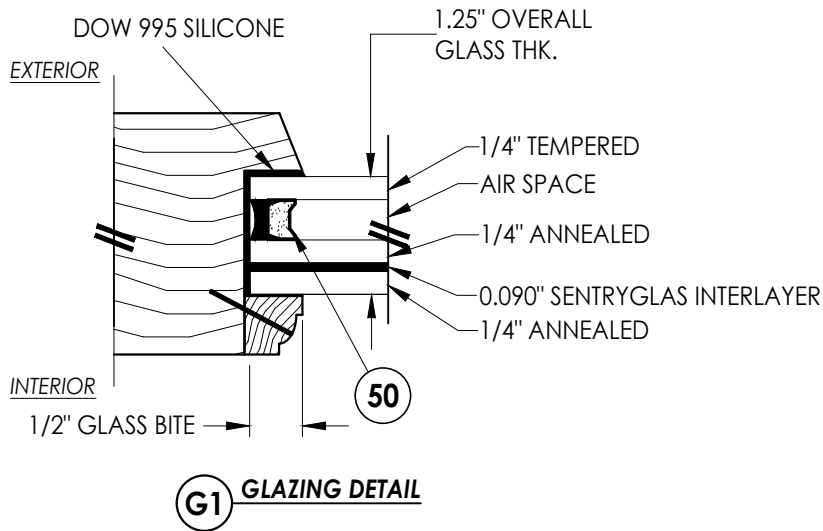
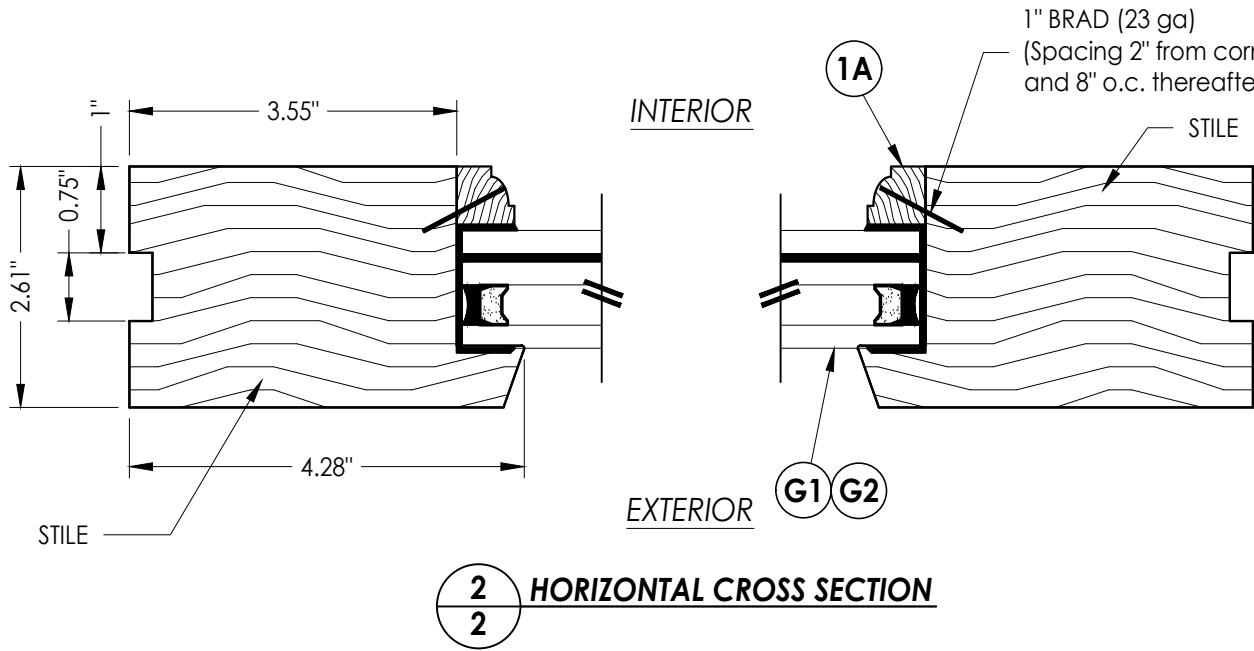
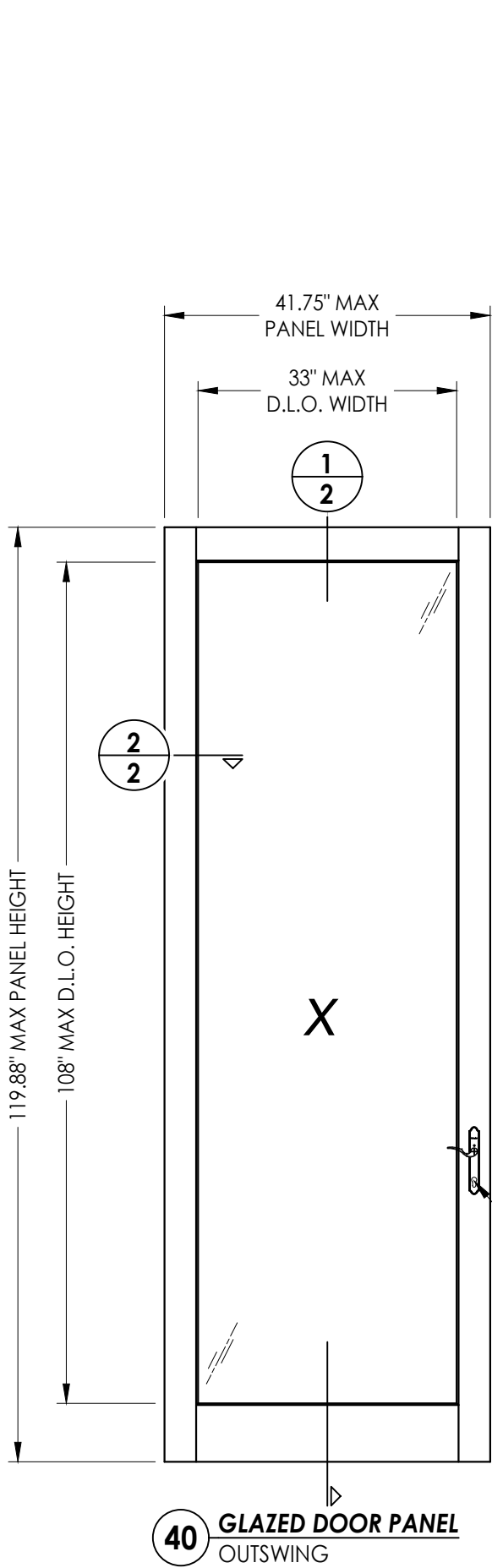
DRAWING NO.: FL-15737.17

SHEET 1 OF 10

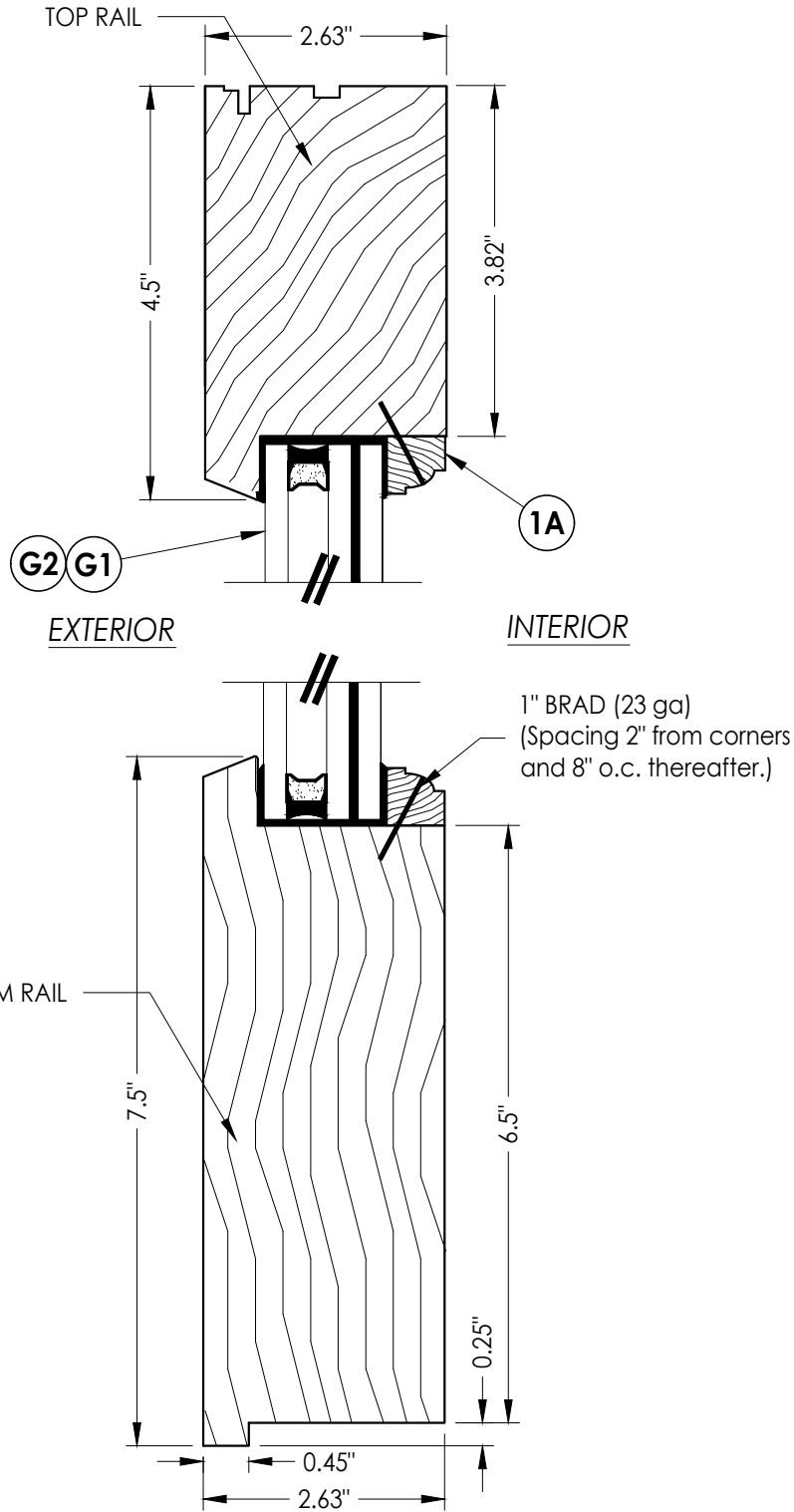
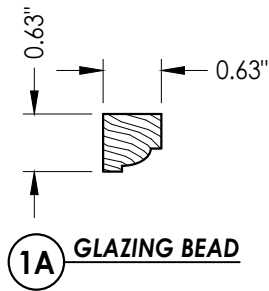
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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Z:\2023 FBC Drawings\Brannen Millwork\FL-15737 R5 Swing Doors\FL-15737.17-18.dwg

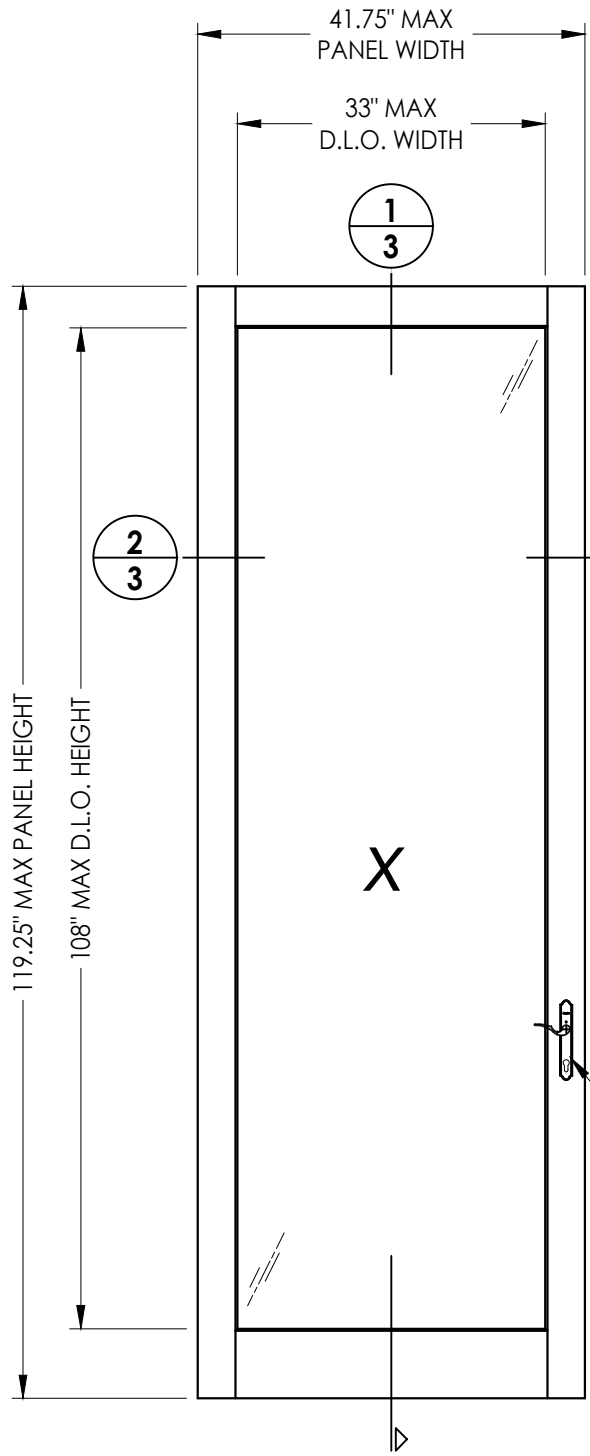


LOCK HARDWARE TABLE	
MANUFACTURER	MODEL
HOPPE	HLS9000 MANUAL SHOOTBOLT (ACTIVE & INACTIVE DOORS)

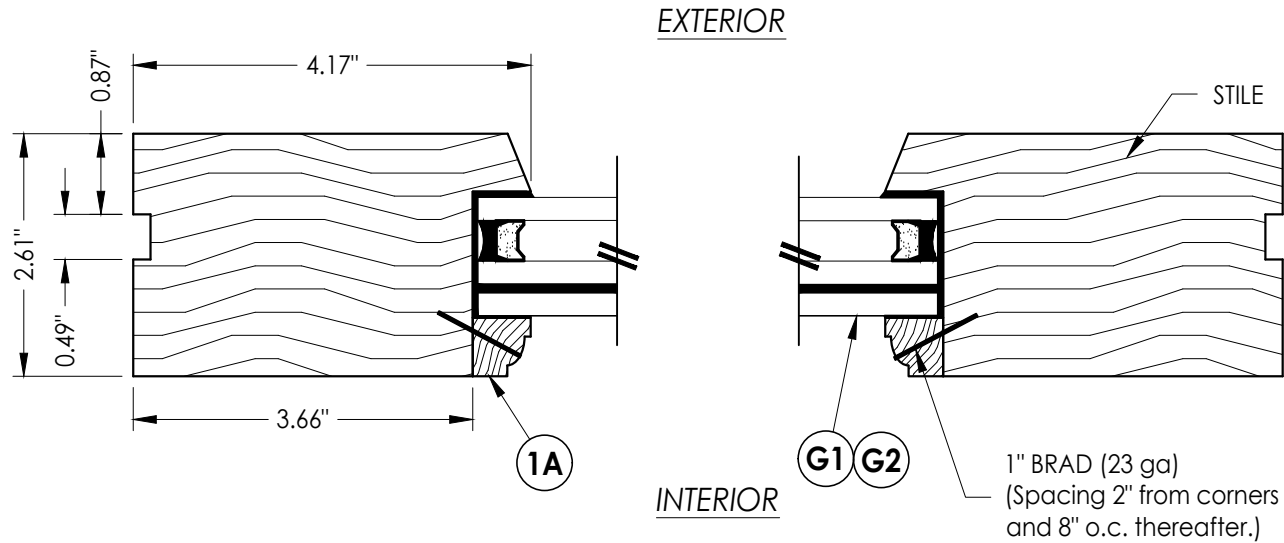


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: BRANNEN MILLWORK WOOD DOOR		PART OR ASSEMBLY: DOOR PANEL & GLAZING DETAILS	
		LFS	BY
3	10/4/23	UPDATE TO 8TH ED. (2023) FBC	
2	9/16/20	UPDATE TO 7TH ED. (2020) FBC	
1	07/11/17	UPDATE TO 6TH ED. (2017) FBC	
NO.	DATE		
REVISIONS			
DATE: 12/7/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15737.17			
SHEET 2 OF 10			

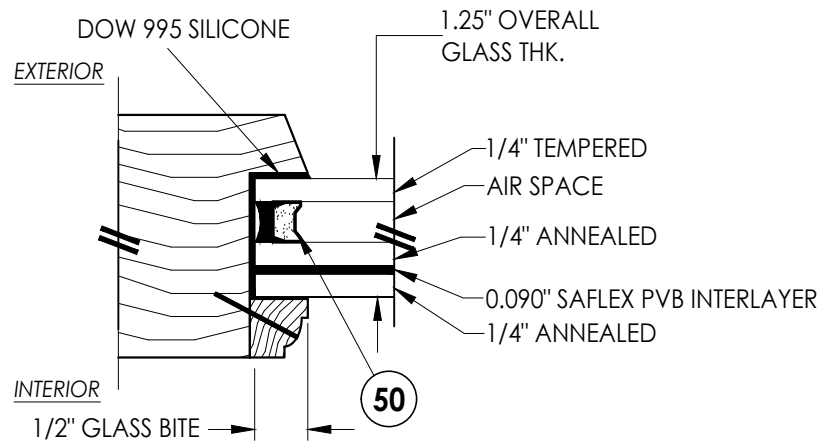
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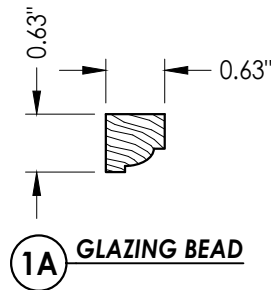
40 GLAZED DOOR PANEL
INSWING



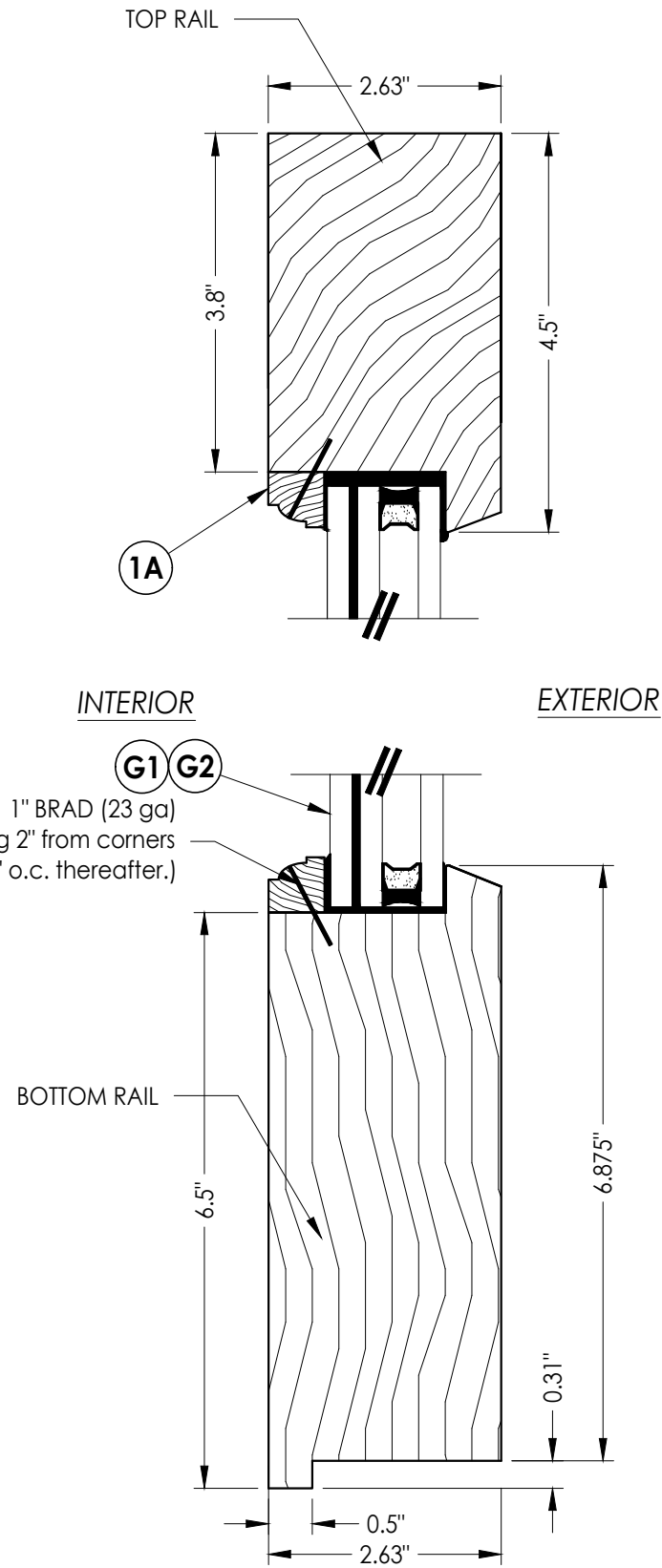
2 3 HORIZONTAL CROSS SECTION



G2 GLAZING DETAIL

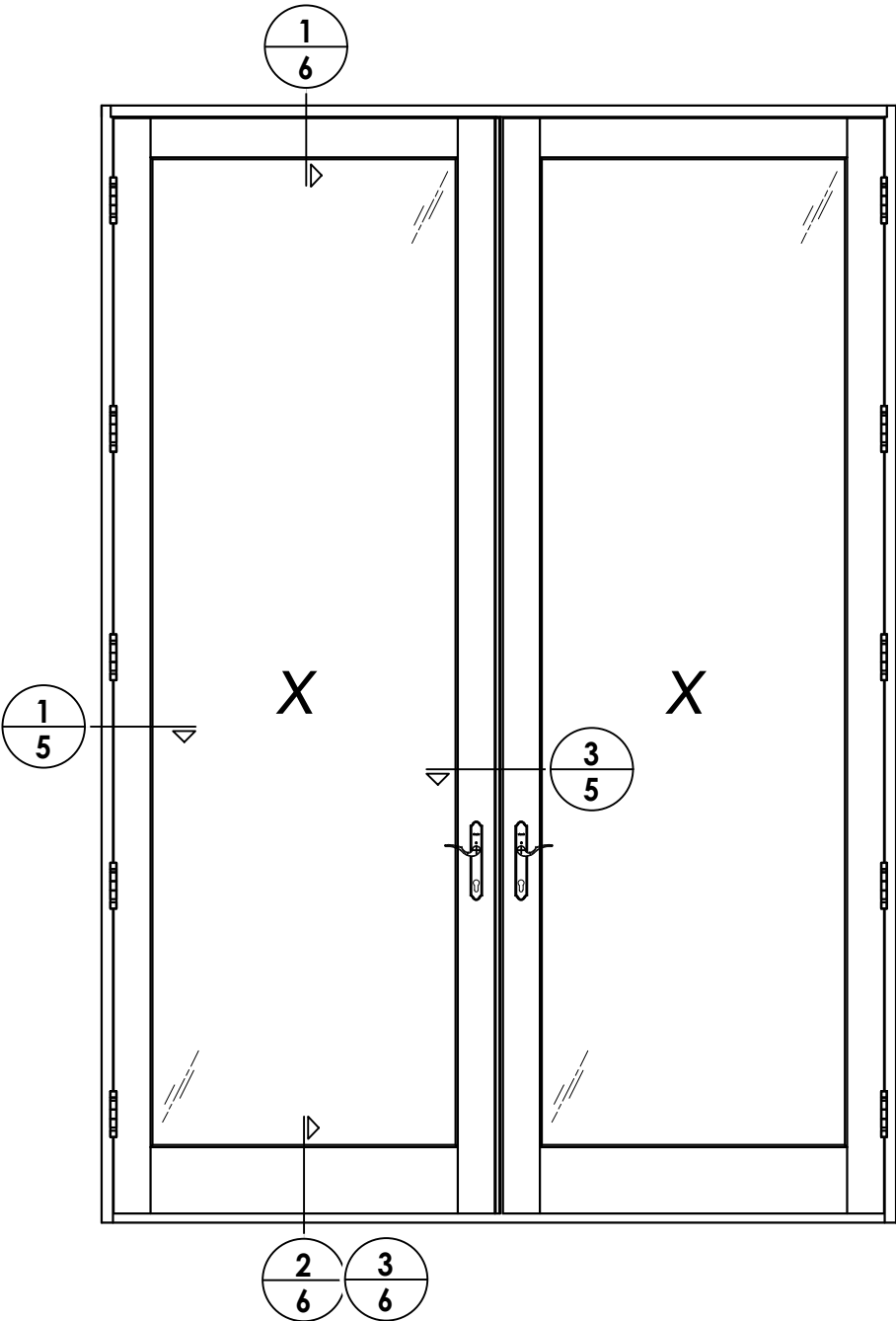
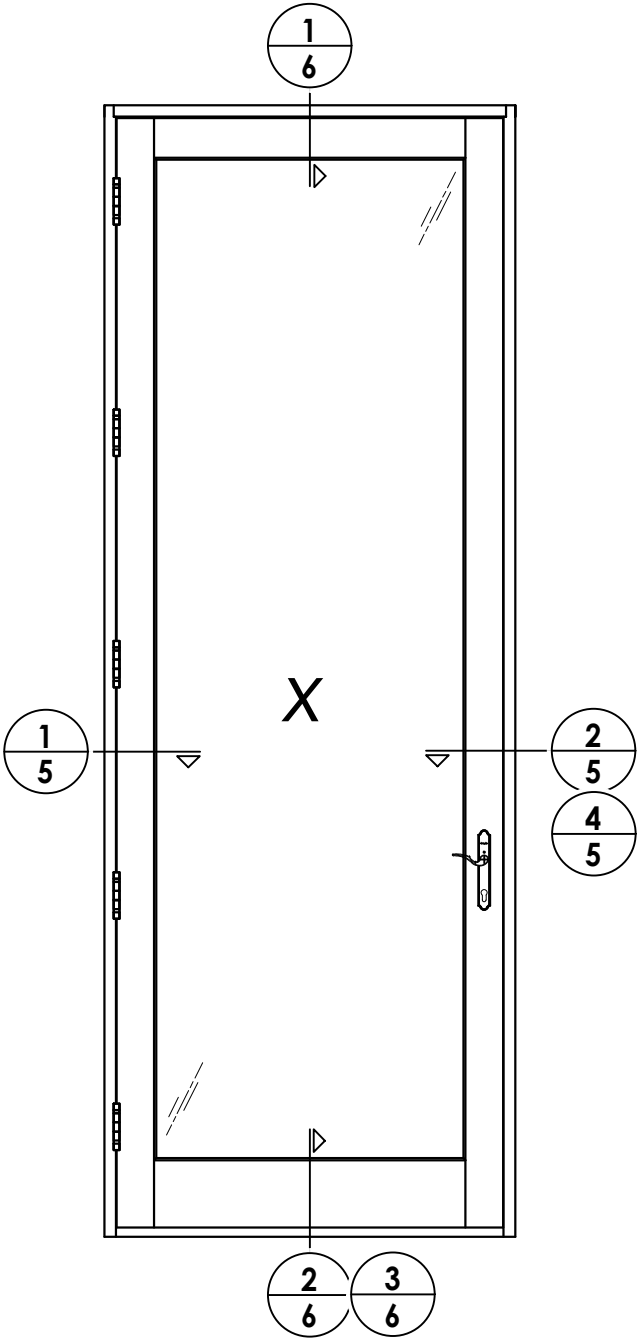


LOCK HARDWARE TABLE	
MANUFACTURER	MODEL
HOPPE	HLS9000 MANUAL SHOOTBOLT (ACTIVE & INACTIVE DOORS)

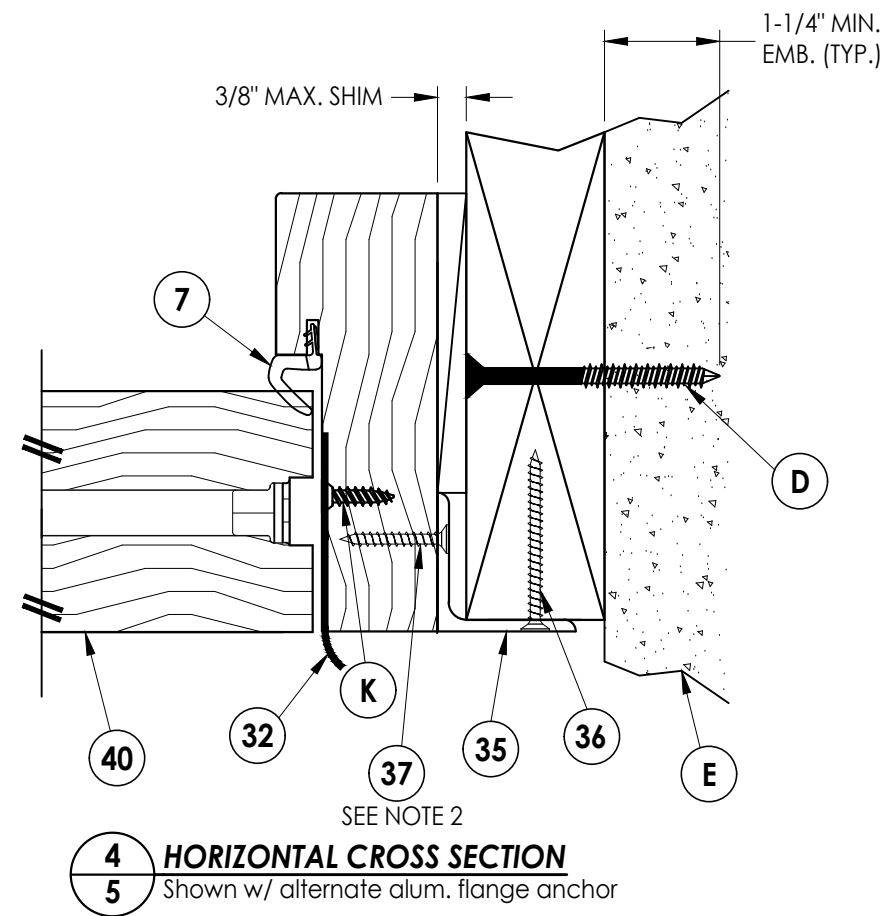
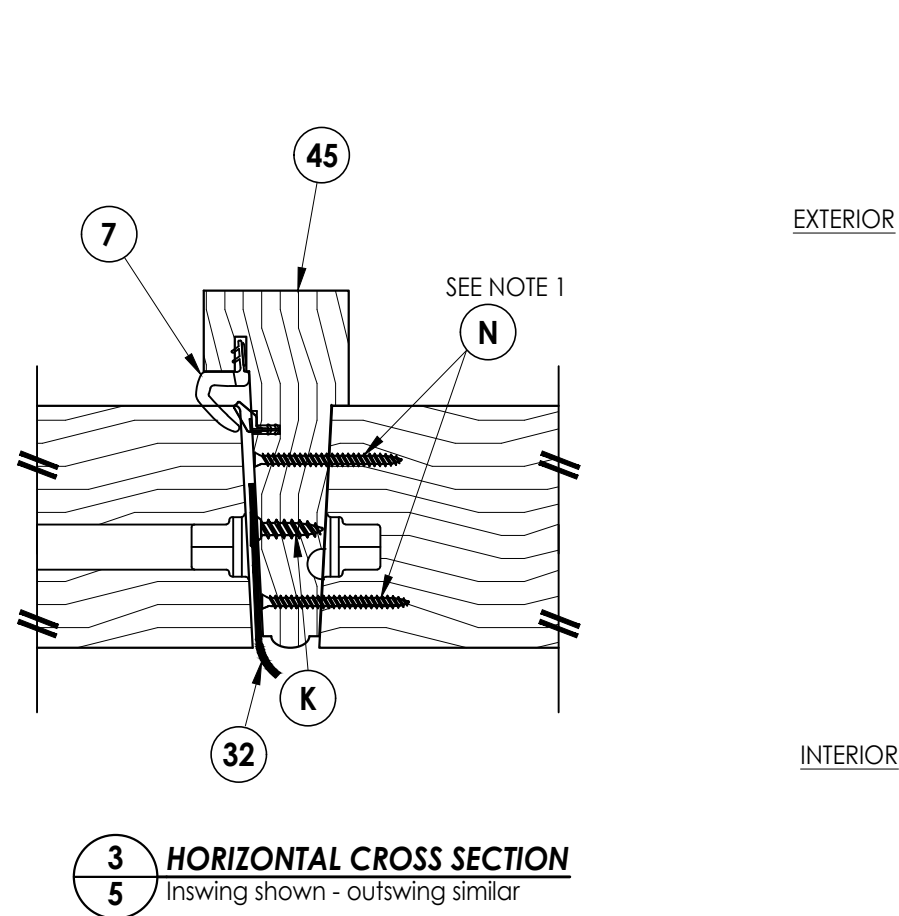
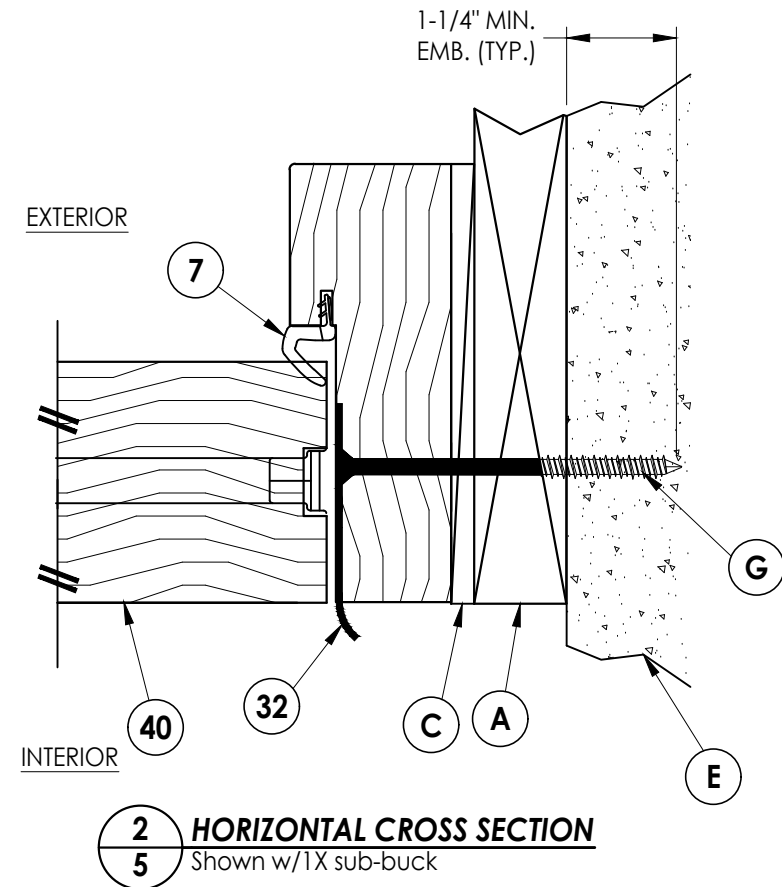
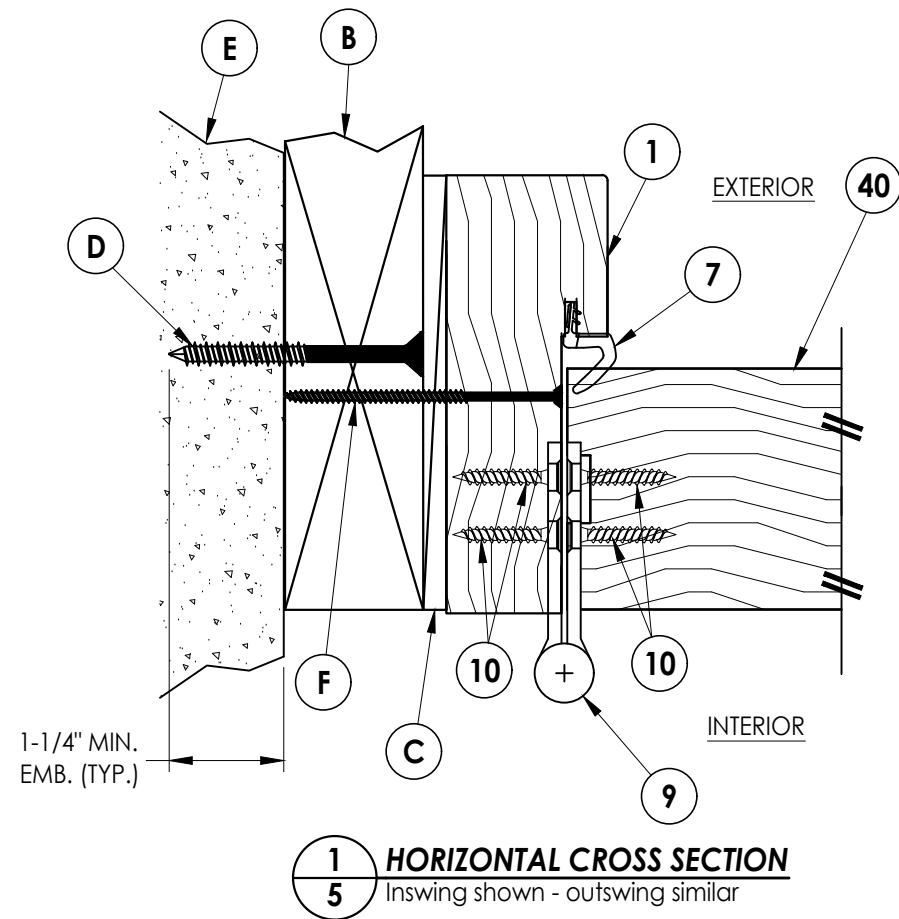


1 3 VERTICAL CROSS SECTION

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PRODUCT: BRANNEN MILLWORK WOOD DOOR		PART OR ASSEMBLY: DOOR PANEL & GLAZING DETAILS	
		LFS	BY
3	10/4/23	UPDATE TO 8TH ED. (2023)	FBC
2	9/16/20	UPDATE TO 7TH ED. (2020)	FBC
1	07/11/17	UPDATE TO 6TH ED. (2017)	FBC
NO.	DATE	REVISIONS	
DATE: 12/7/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15737.17			
SHEET 3 OF 10			



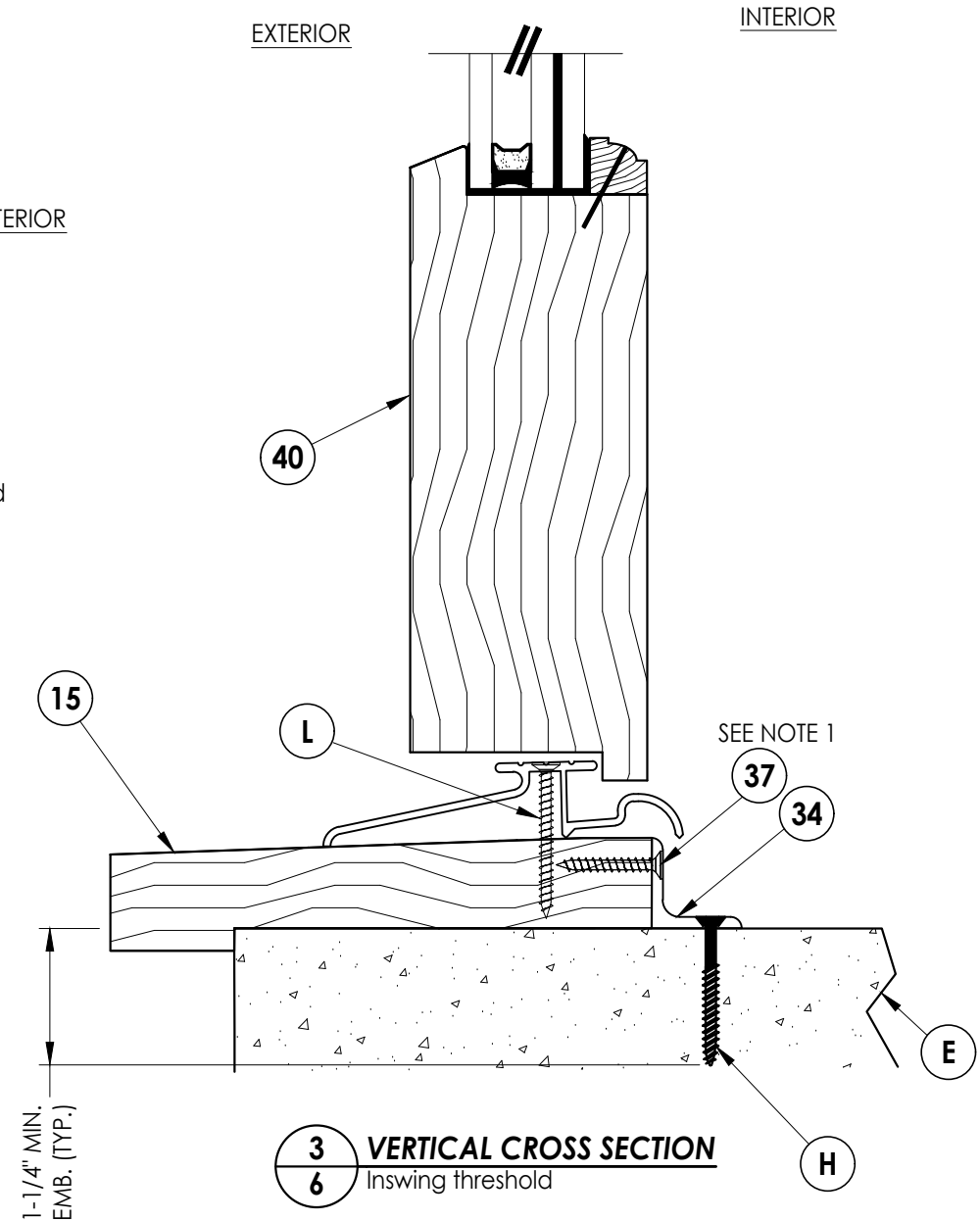
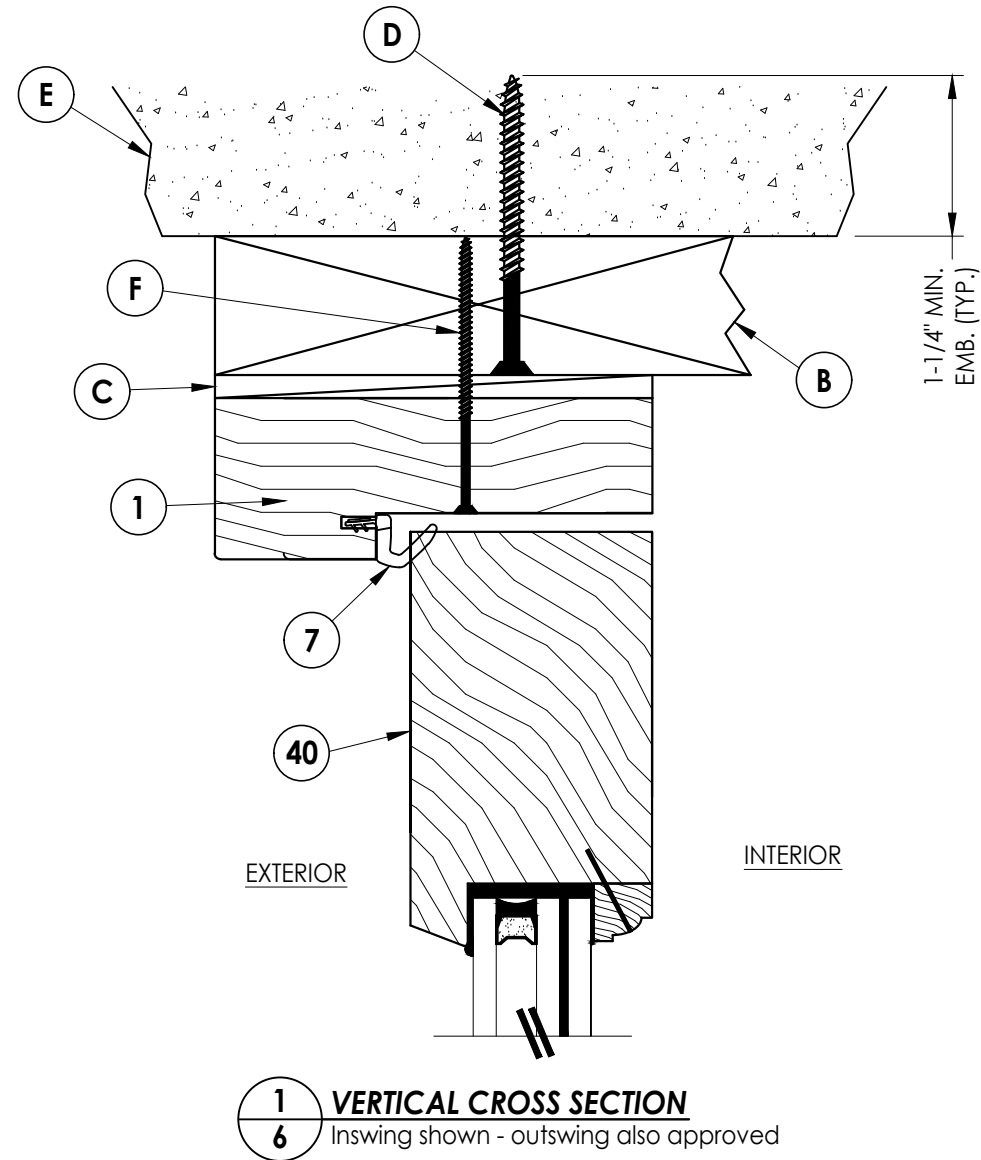
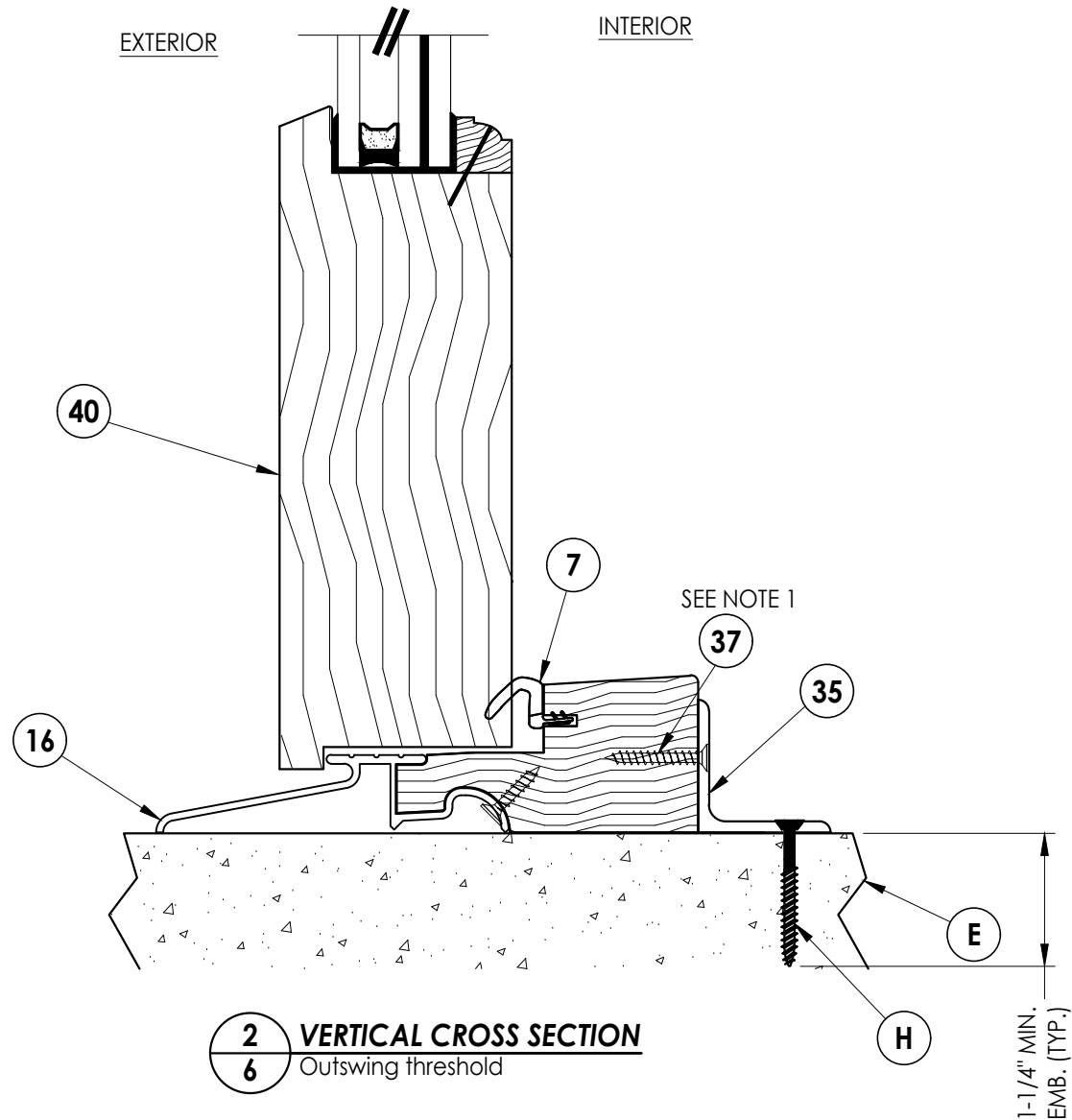
DATE: 12/7/15				PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.				BRANNEN MILLWORK WOOD DOOR		Lyndon F. Schmidt P.E. No. 43409	
DWG. BY: JK				PART OR ASSEMBLY:		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
CHK. BY: LFS				ELEVATIONS			
DRAWING NO.: FL-15737.17							
SHEET 4 OF 10							
3	10/4/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
2	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS			
1	07/11/17	UPDATE TO 6TH ED. (2017)	FBC	LFS			
NO.	DATE			BY			
				REVISIONS			



NOTES:

1. Spacing for item #N: 3" from each end & 12" o.c. and staggered thereafter.
2. Spacing for item #37: 2" from each end & 10" o.c. thereafter.

[illegible]



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

DATE: 12/7/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

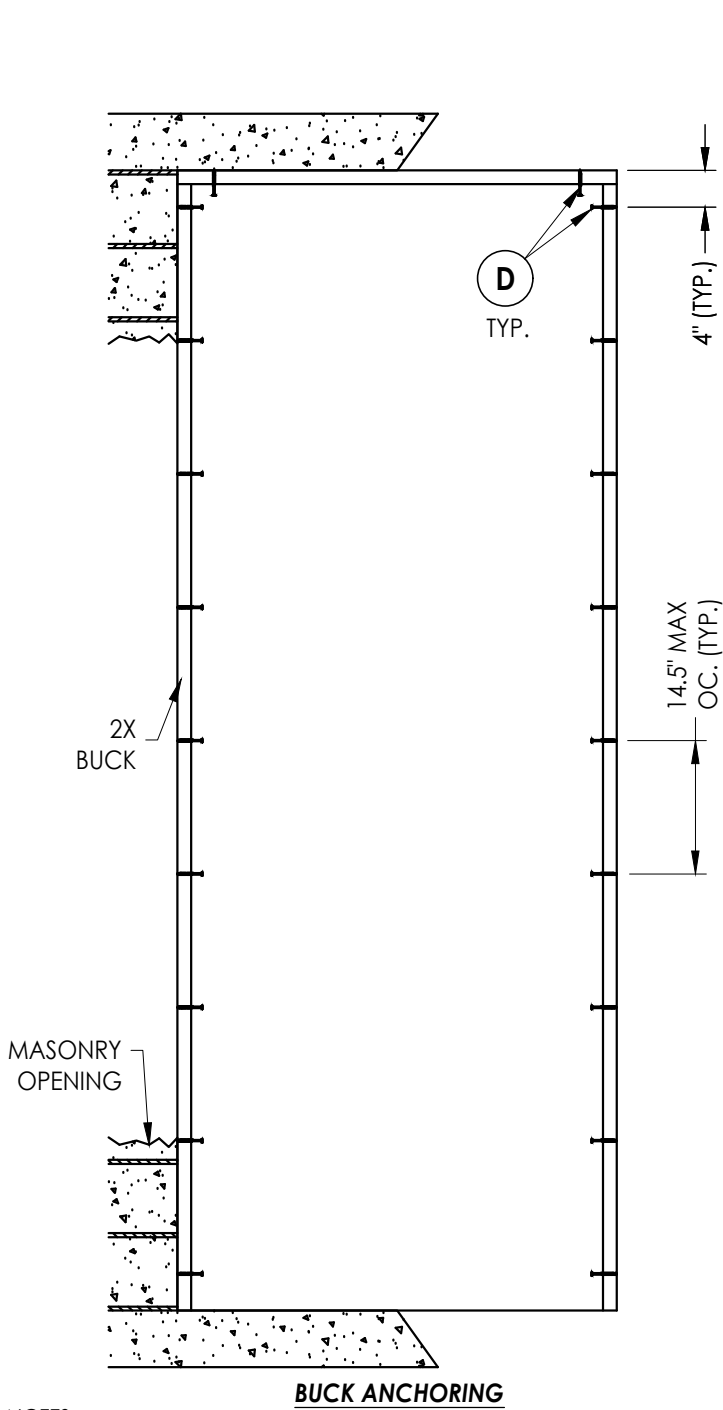
DRAWING NO.:
FL-15737.17

SHEET 6 OF 10

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

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FBPE Registry No. 9813

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BUCK ANCHORING

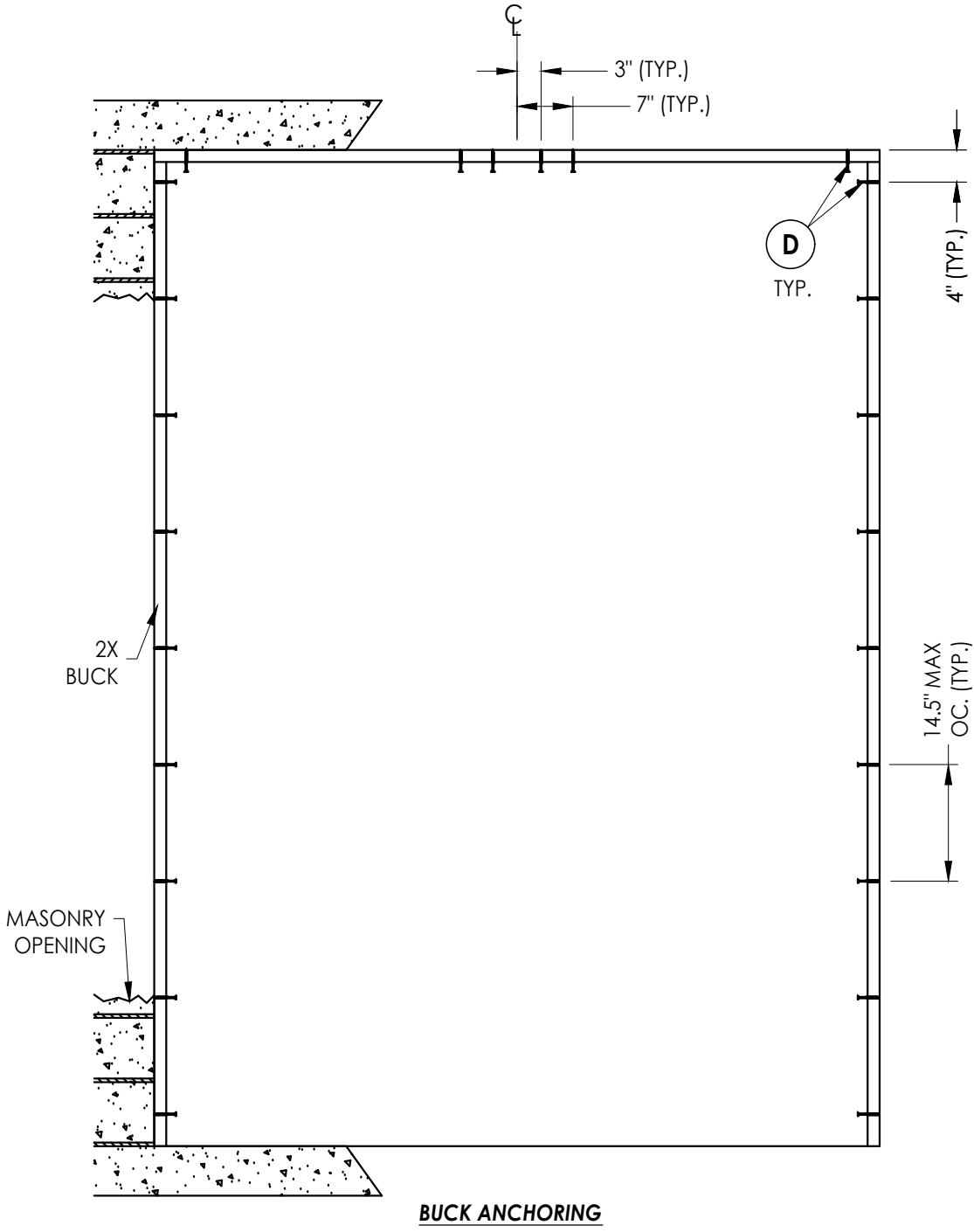
CONCRETE ANCHOR NOTES:

- 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
DeWALT ULTRACON®	3/16"	1-3/4"	1"	1-1/8"
	1/4"	1-1/4"	1"	4"
ITW TAPCON®	1/4"	1-1/4"	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.

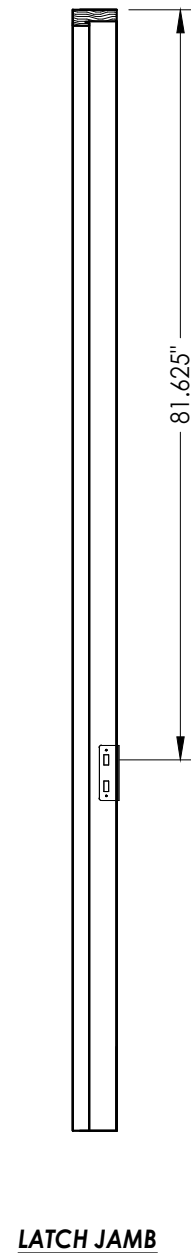
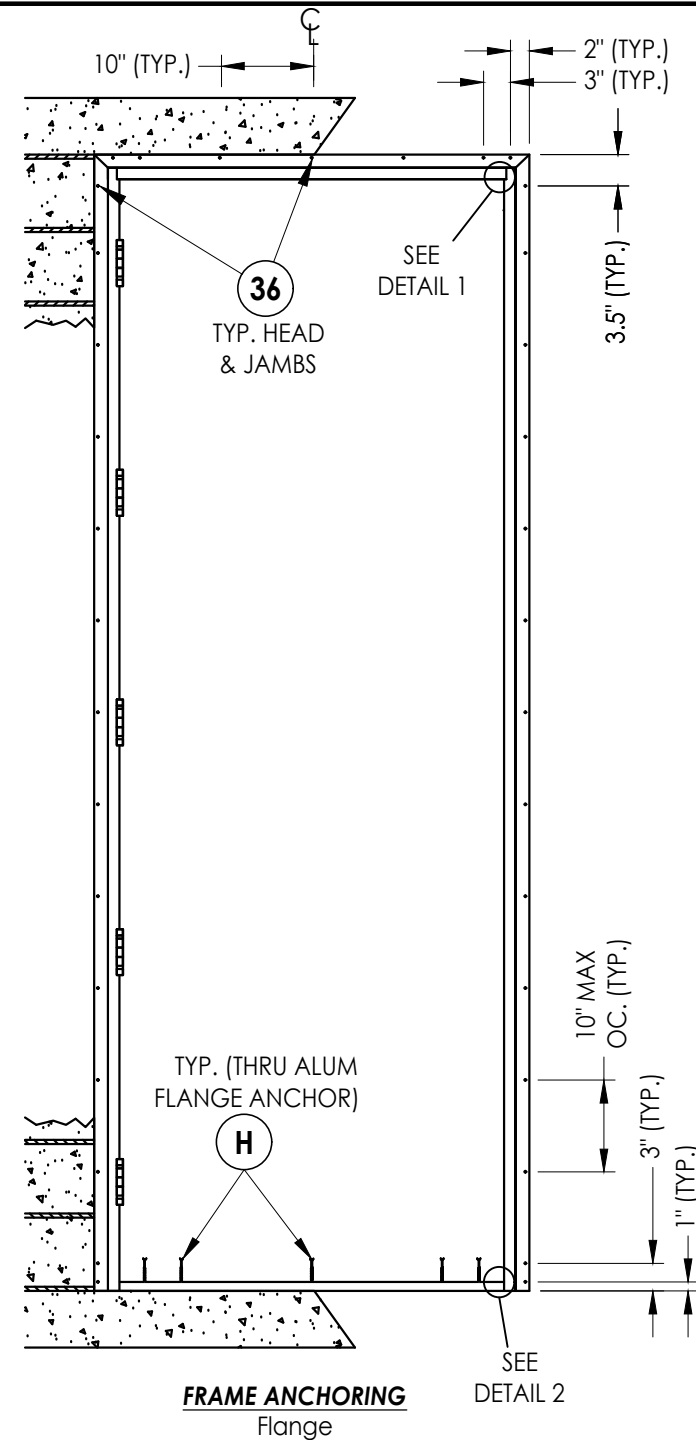
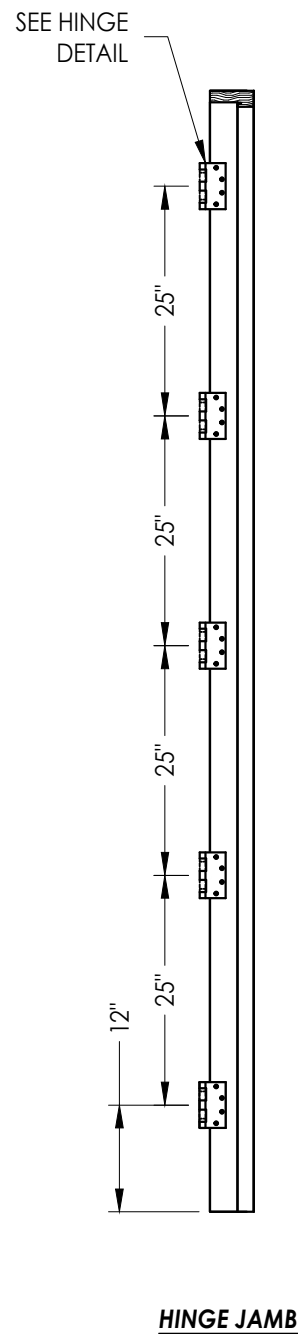
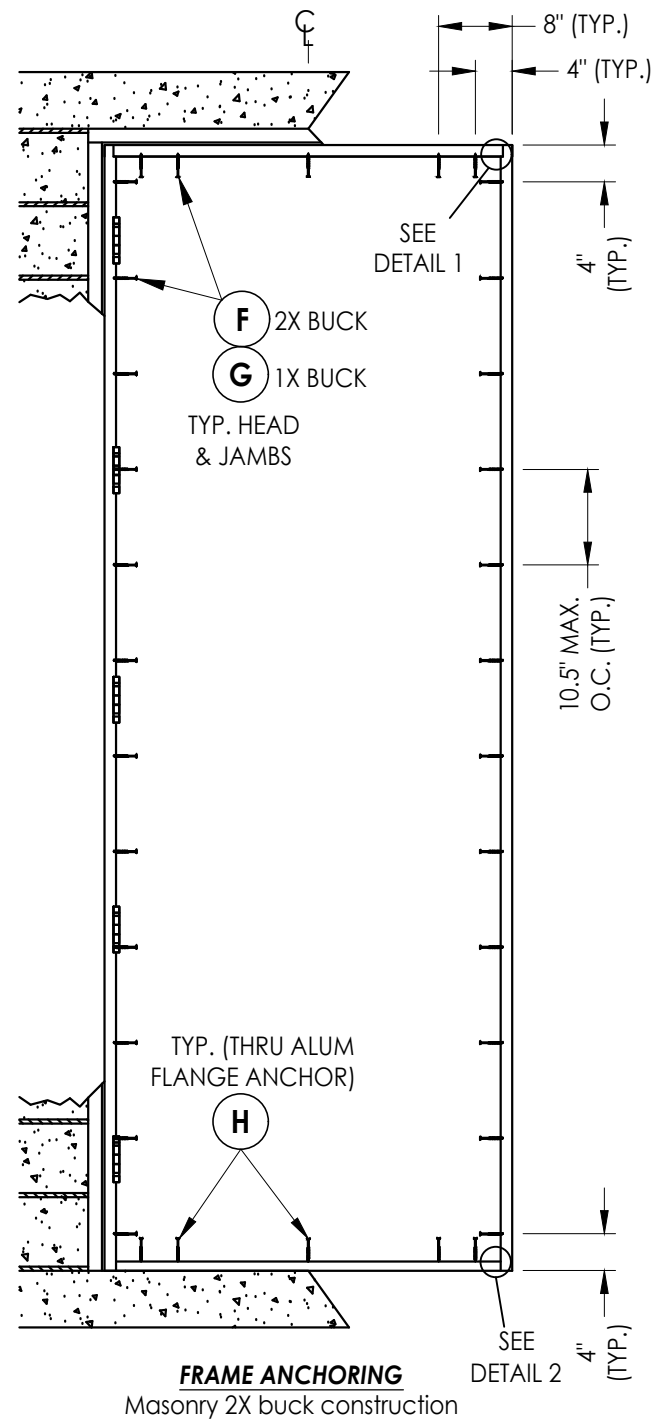


BUCK ANCHORING

DATE:	12/7/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15737.17
SHEET	7 OF 10

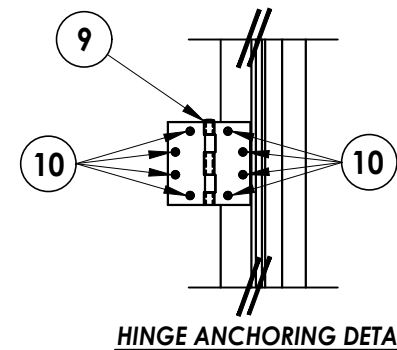
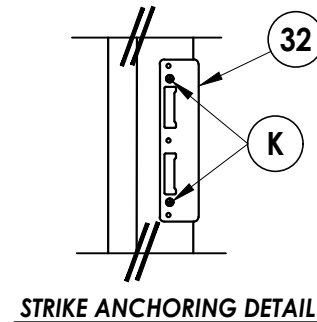
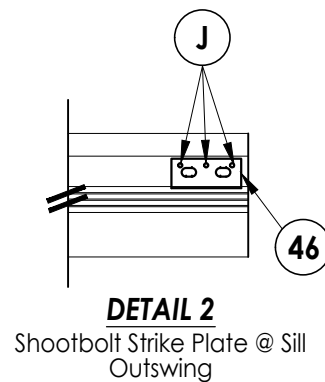
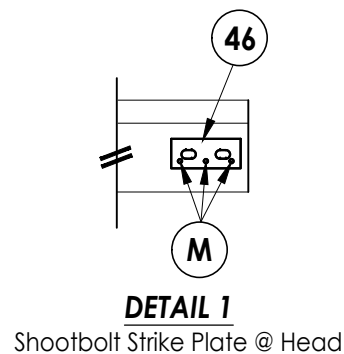
PRODUCT:	BRANNEN MILLWORK WOOD DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

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



ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
DeWALT ULTRACON®	3/16"	1-3/4"	1"	1-1/8"
	1/4"	1-1/4"	1"	4"
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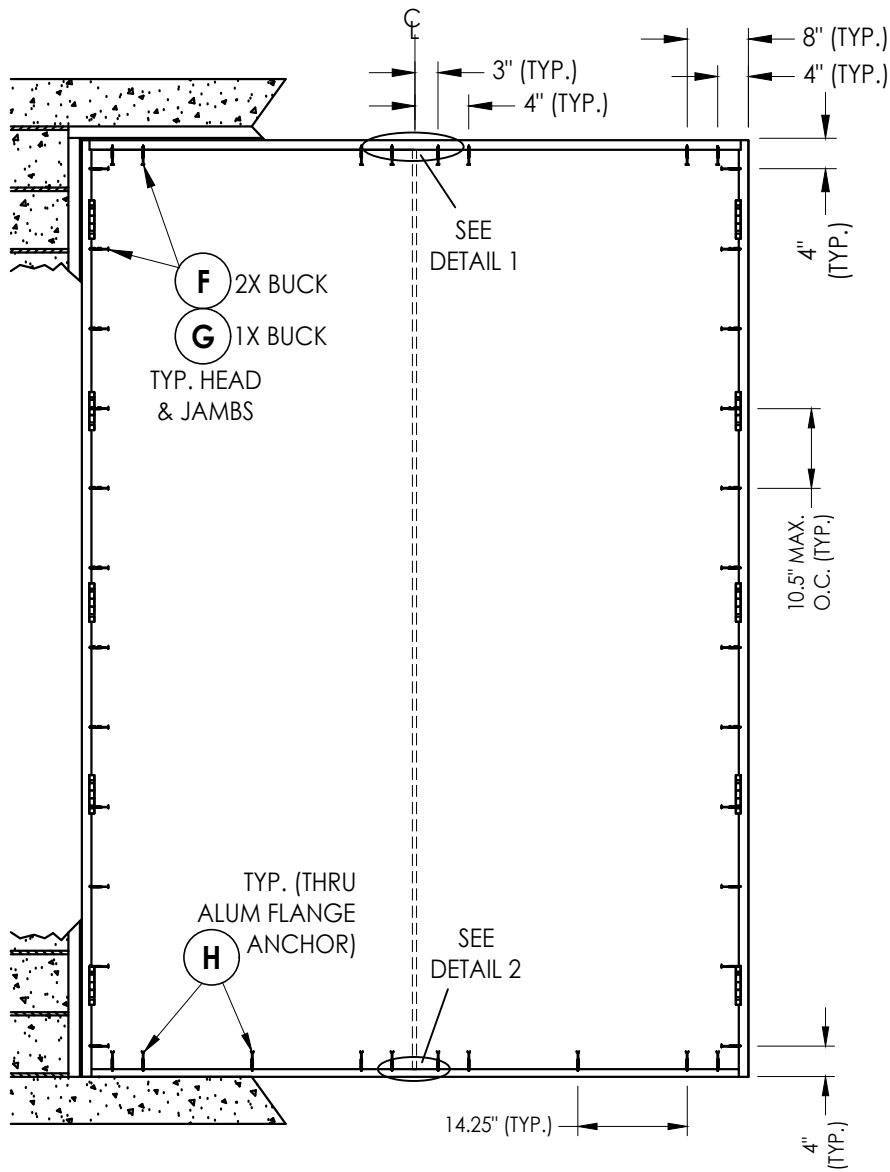
WOOD SCREW INSTALLATION NOTES:
Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

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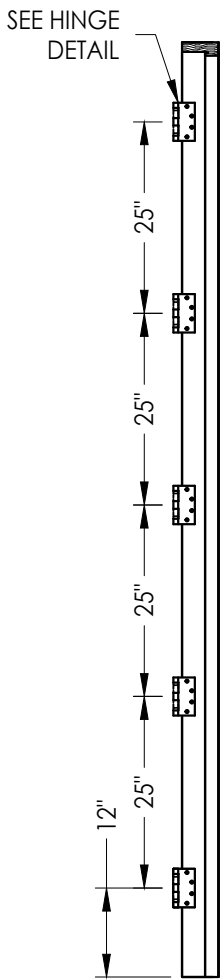
Documents Prepared By:
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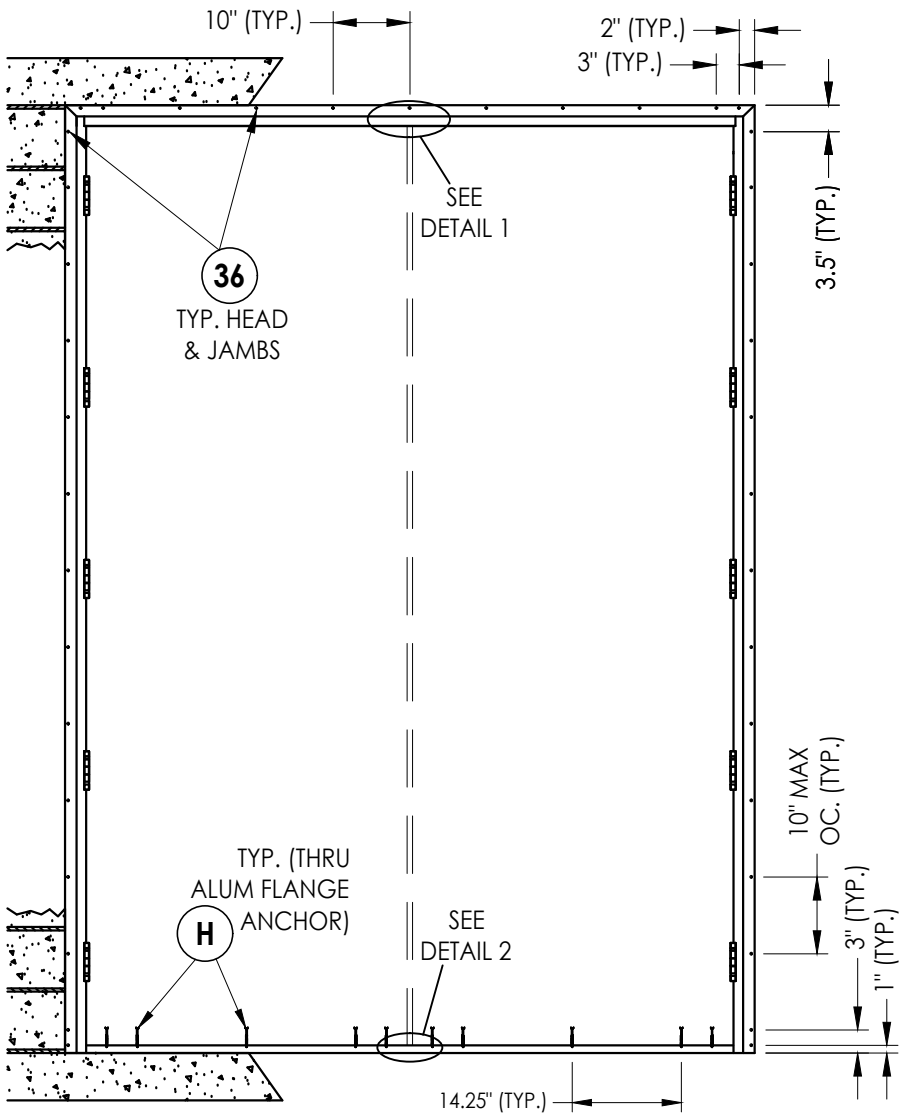
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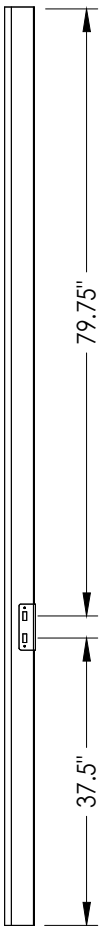
FRAME ANCHORING
Masonry 2X buck construction



HINGE JAMB



FRAME ANCHORING
Flange



ASTRAGAL

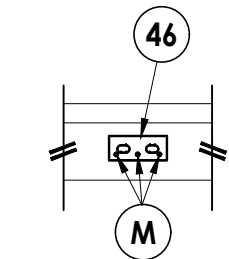
CONCRETE ANCHOR NOTES:

- 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:

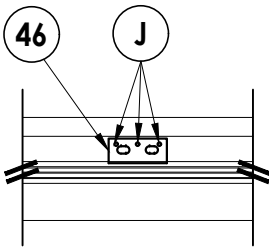
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WOOD SCREW INSTALLATION NOTES:

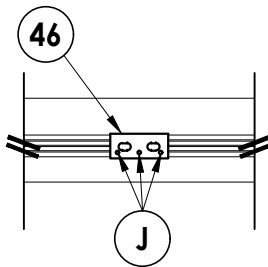
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



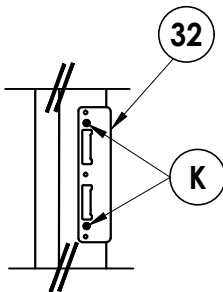
DETAIL 1
Shootbolt Strike Plate @ Head



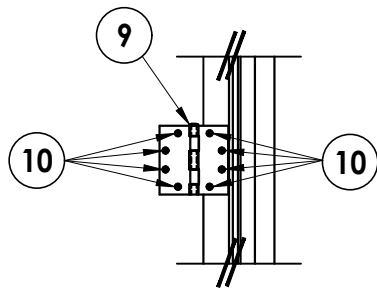
DETAIL 2
Shootbolt Strike Plate @ Sill Outswing



DETAIL 2
Shootbolt Strike Plate @ Sill Inswing



ASTRAGAL STRIKE DETAIL



HINGE JAMB 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:
BRANNEN MILLWORK
WOOD DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

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

DATE: 12/7/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

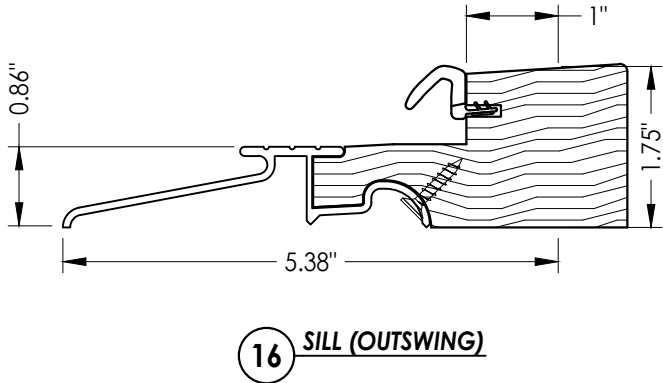
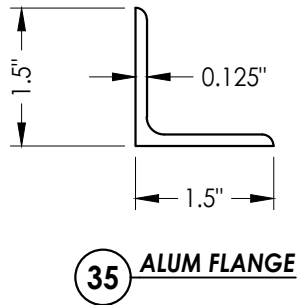
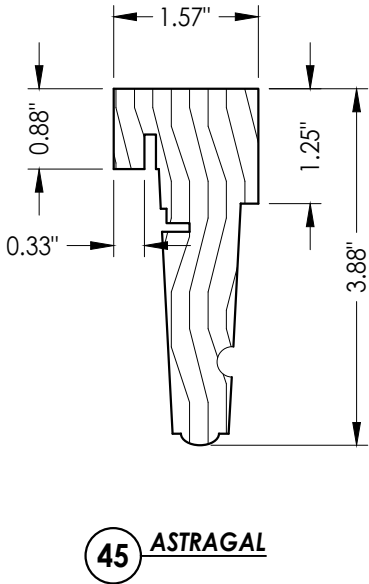
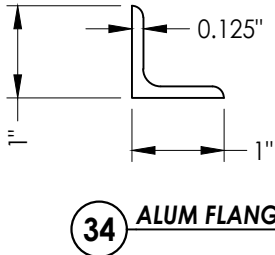
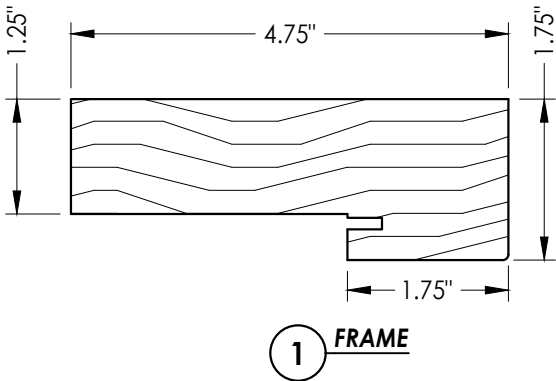
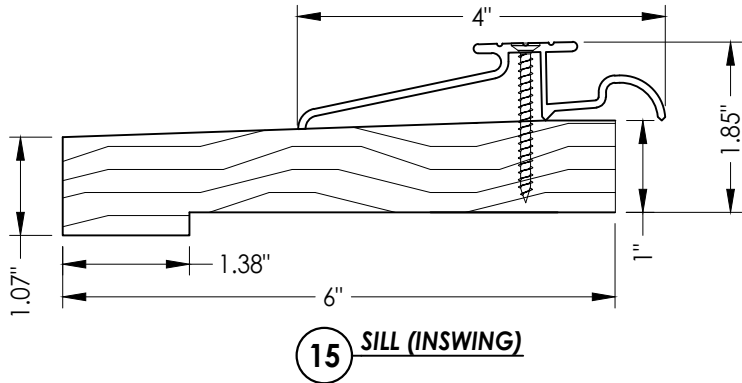
DRAWING NO.:

FL-15737.17

SHEET 9 OF 10

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.42	WOOD
B	2X BUCK SG >= 0.42	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH 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	#8 X 3" FH DEEP THREAD WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
G	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
H	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	3/16" PFH DeWALT CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
K	#8 X 3/4" PFH SMS	STEEL
L	#8 X 1-3/4" PFH SMS	STEEL
M	#10 X 2" PFH WOOD SCREW	STEEL
N	#6 X 1-1/2" SQ OVAL HEAD WOOD SCREW	STEEL
1	FRAME HEAD AND JAMB	WOOD
7	WEATHERSTRIP	VINYL
9	4.5" X 4.5" HINGE	STEEL
10	#12 X 1-1/4" PFH SMS	STEEL
15	SILL (INSWING)	ALUM/WOOD
16	SILL (OUTSWING)	ALUM/WOOD
32	MULTI-POINT LOCK STRIKE PLATE	STEEL
34	ALUMINUM FLANGE ANCHOR (6063-T5)	ALUM
35	ALUMINUM FLANGE ANCHOR (6063-T5)	ALUM
36	#8 X 2" FH DEEP THREAD WOOD SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
37	#8 X 1-1/4" PFH WOOD SCREW (1-1/8" MIN. EMBEDMENT)	STEEL
40	WOOD DOOR PANEL	WOOD
45	ASTRAGAL	WOOD
46	SHOOTBOLT STRIKE PLATE	STEEL
50	GLAZING SPACER (DESICCANT FILLED)	ST. STEEL

NOTE: DOOR COMPONENT WOOD (SG ≥ 0.54)

[illegible]

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

RW BUILDING CORP.
P.O. Box 2320
Phone No.:
FBPE Register

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