

Z:\2023 FBC Drawings\Brannen Millwork\FL-15737 R5 Swing Doors\FL-15737.15-16.dwg

BRANNEN MILLWORK

3379 EAST HWY. 46
REGISTER, GEORGIA 30452

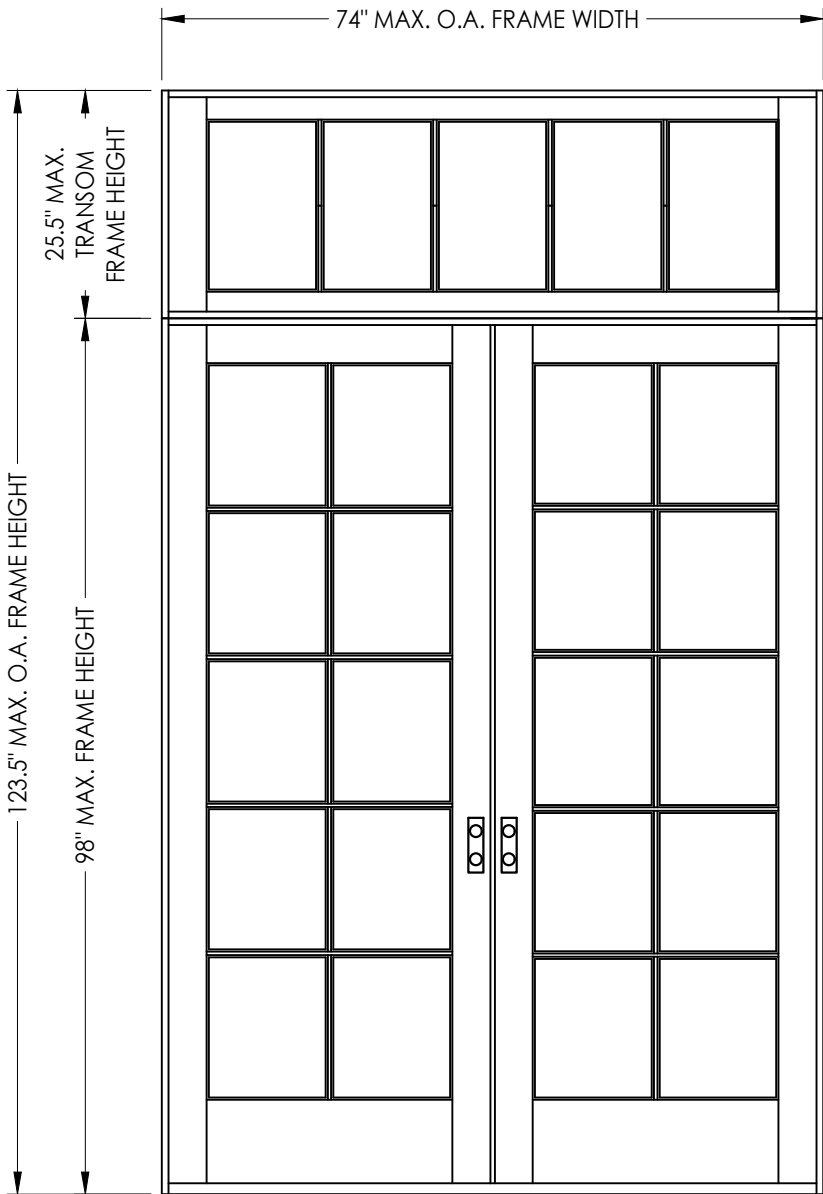
TDL GLAZED WOOD DOOR w/ TDL TRANSOM OUTSWING "NON-IMPACT"

GENERAL NOTES

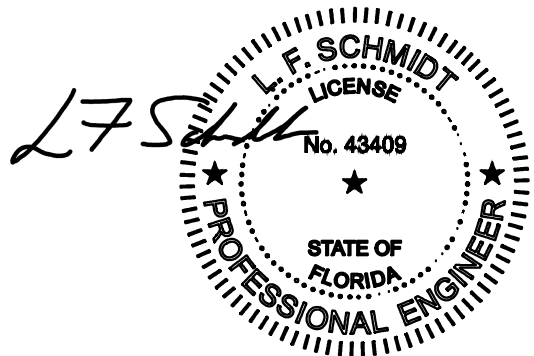
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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.

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SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel & glazing details
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7	Bill of materials & components



MAX. FRAME DIMENSION	MAX. DOOR D.L.O. DIMENSION	MAX. TRANSOM D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
74.0" x 123.5"	13.06" x 15.68"	12.0" x 18.75"	G1	+45.0	-45.0



Digitally signed by Lyndon F Schmidt
Date: 2023.10.12 08:25:07 -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

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

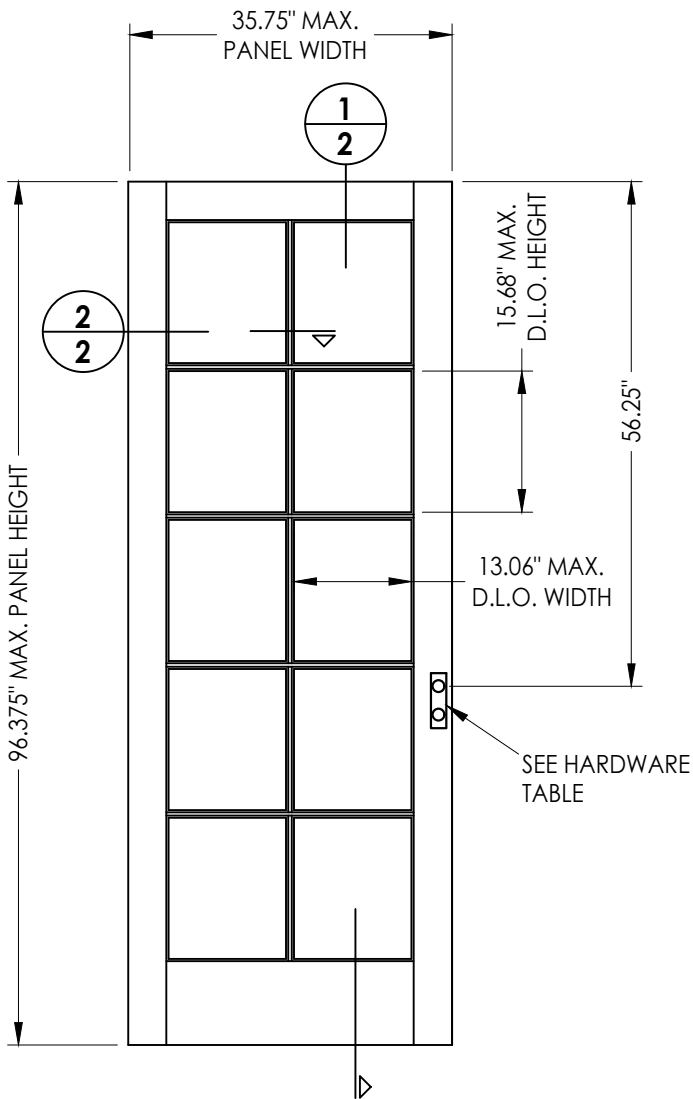
PRODUCT:
BRANNEN MILLWORK
WOOD DOOR

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

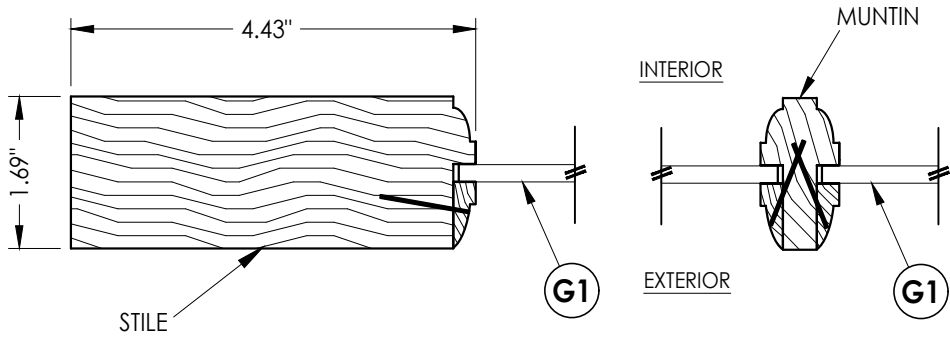
NO.	DATE	REVISIONS
3	10/4/23	UPDATE TO 8TH ED. (2023) FBC
2	9/16/20	UPDATE TO 7TH ED. (2020) FBC
1	07/11/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 8/17/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-15737.16
SHEET 1 OF 7

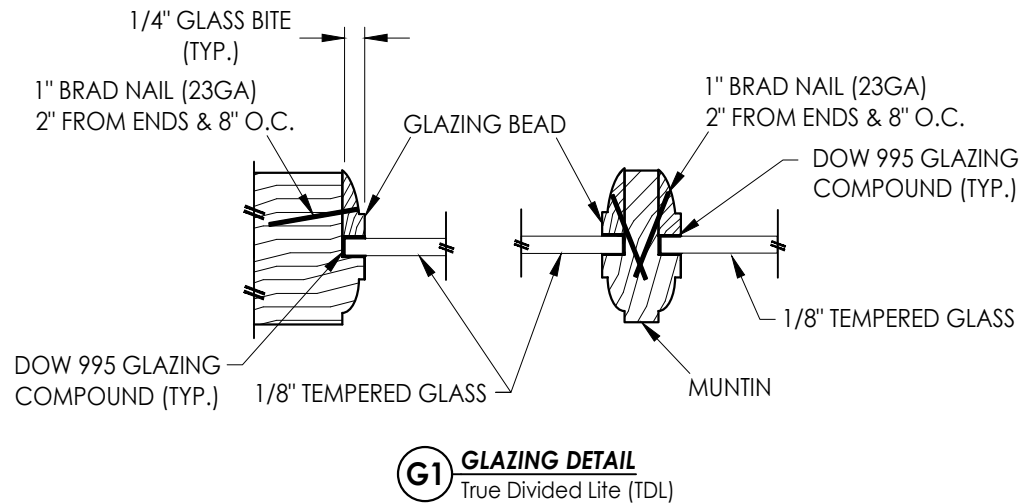
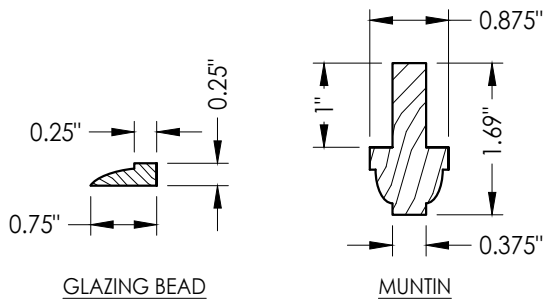
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40 TDI GLAZED DOOR PANEL



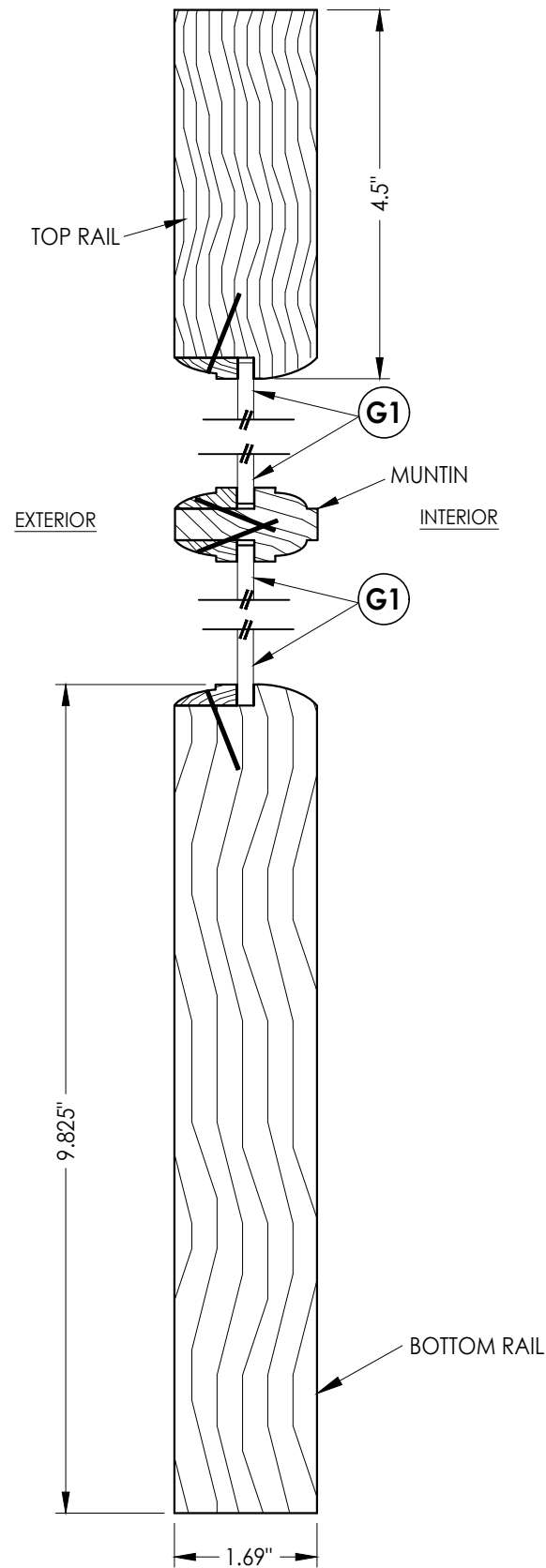
2/2 HORIZONTAL CROSS SECTION



G1 GLAZING DETAIL
True Divided Lite (TDL)

LOCK HARDWARE TABLE

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



1/2 VERTICAL CROSS SECTION

DATE: 8/17/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15737.16

SHEET 2 OF 7

PRODUCT:

BRANNEN MILLWORK
WOOD DOOR

PART OR ASSEMBLY:

DOOR PANEL
& GLAZING DETAILS

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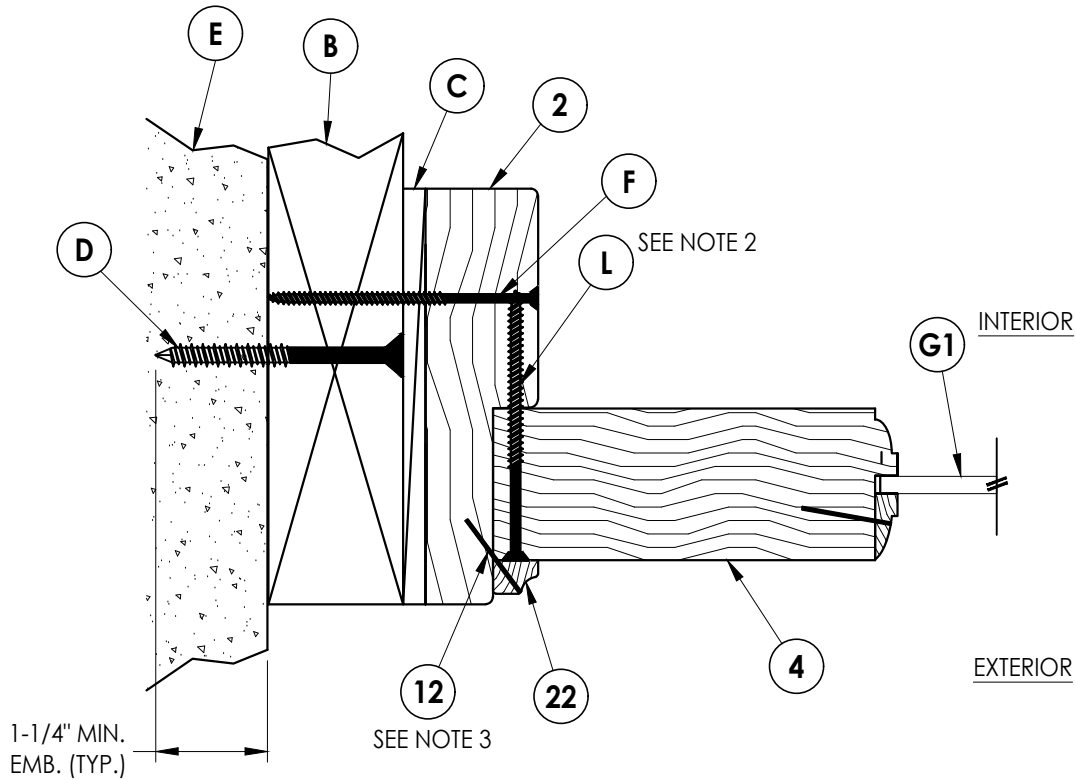
P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

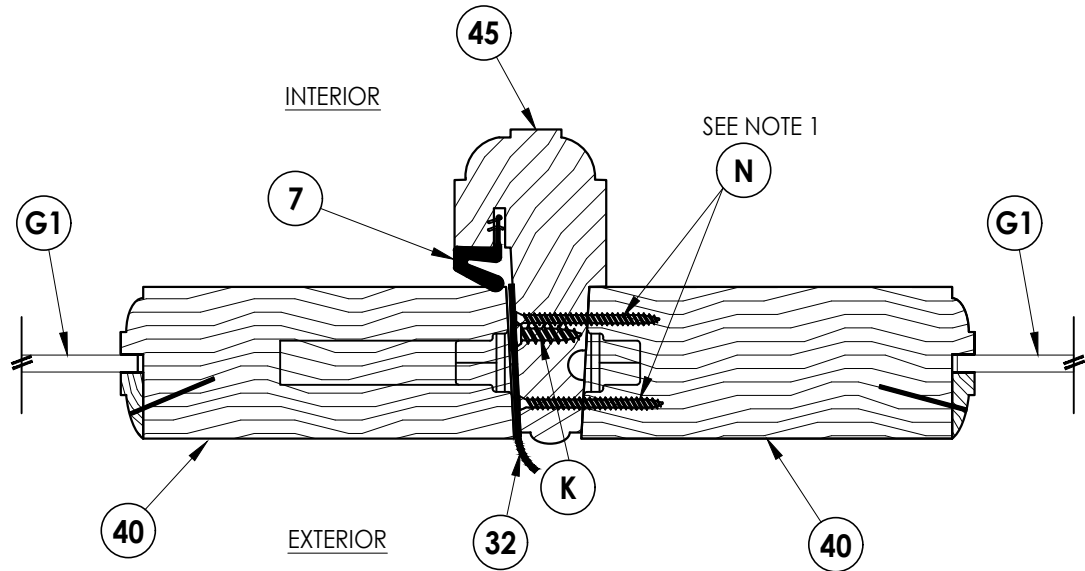
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DATE: 8/17/15		DWG. BY: JK		DRAWING NO.: FL-15737.16		SHEET 3 OF 7	
SCALE: N.T.S.		CHK. BY: LFS		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS		PRODUCT: BRANNEN MILLWORK WOOD DOOR	
NO. DATE		REVISONS		BUILDING CONSULTANTS, INC.		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
3 10/4/23		UPDATE TO 8TH ED. (2023) FBC		LFS		P.O. Box 230, Valrico, FL 33595	
2 9/16/20		UPDATE TO 7TH ED. (2020) FBC		LFS		Phone No.: 813.659.9197	
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1
4 HORIZONTAL CROSS SECTION



2
4 VERTICAL CROSS SECTION

- NOTES:
1. Spacing for item #N: 3" from each end & 12" o.c. and staggered thereafter.
 2. Spacing for item #L: 3-1/2" from each end, (2 total).
 3. Spacing for item #12: 2" from each end & 8" o.c. thereafter.

DATE:	8/17/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15737.16
SHEET	4 OF 7

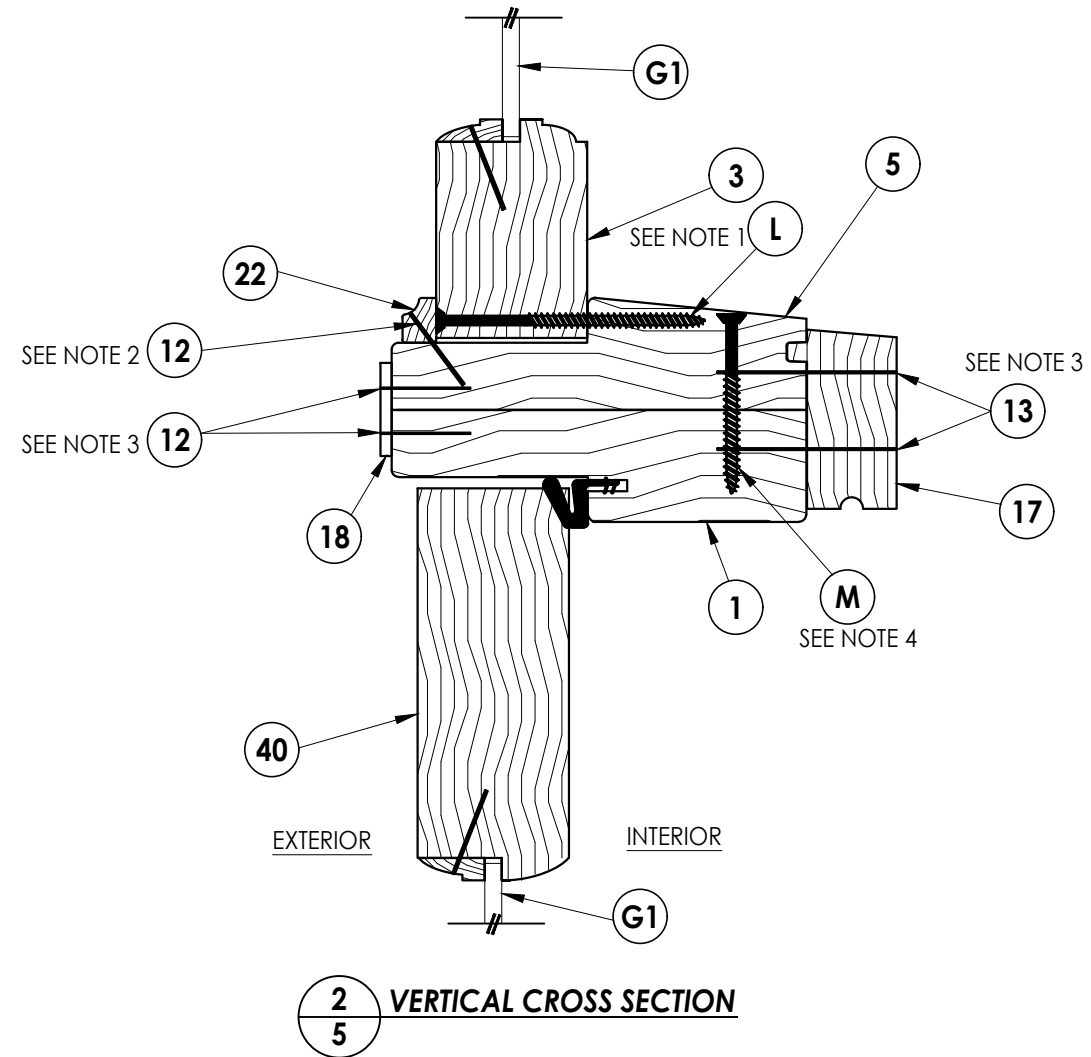
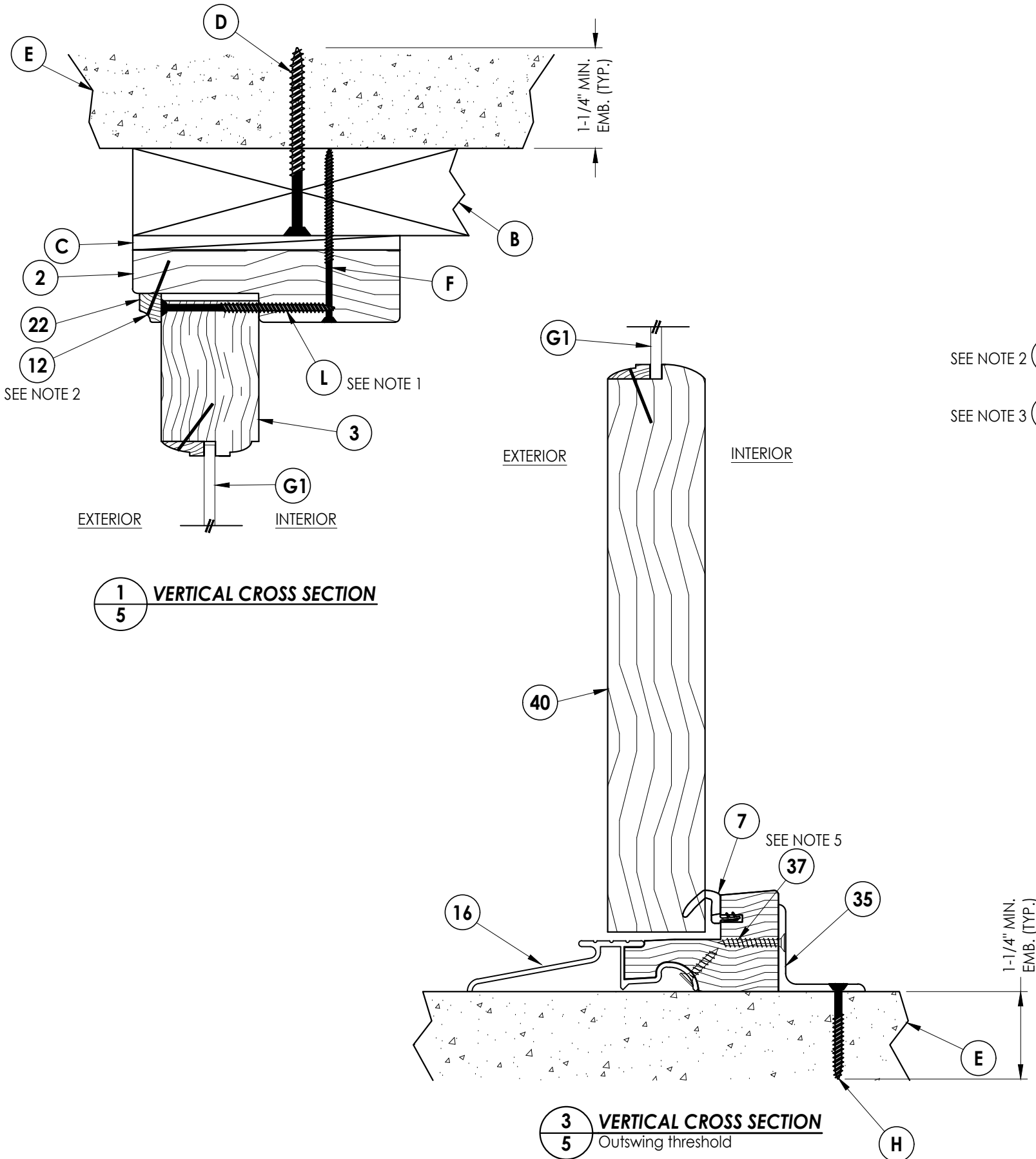
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2	9/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
1	07/11/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
NO.	DATE				BY

REVISIONS

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

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

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P.O. Box 230, Valrico, FL 33595
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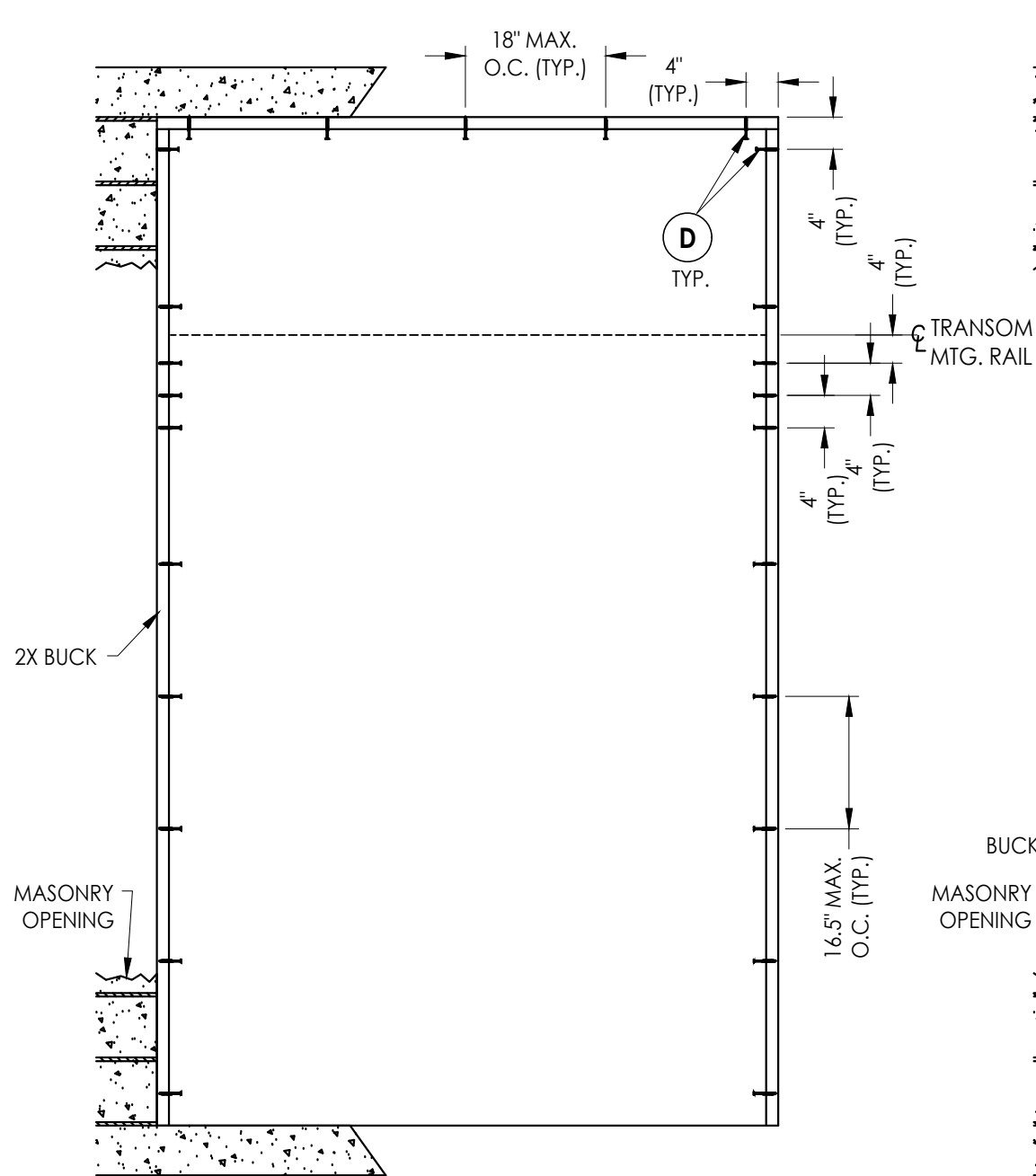
- NOTES:
1. Spacing for item #L: 6" from each end plus 3 more equally spaced (5 total).
 2. Spacing for item #12: 2" from each end & 8" o.c. thereafter.
 3. Spacing for item #12 & #13: 1" from each end & 12" o.c. thereafter.
 4. Spacing for item #M: 3" from each end & 8" o.c. thereafter.
 5. Spacing for item #37 is the same as for item #H (See Frame Anchoring, Sheet 6).

[illegible]

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WOOD DOOR

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BUCK ANCHORING

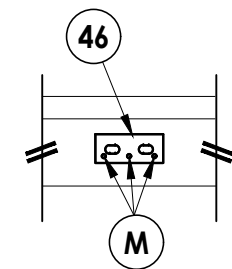
CONCRETE ANCHOR NOTES:

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
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"

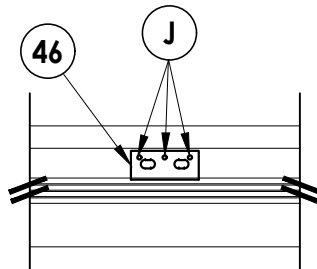
WOOD SCREW INSTALLATION NOTES:

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



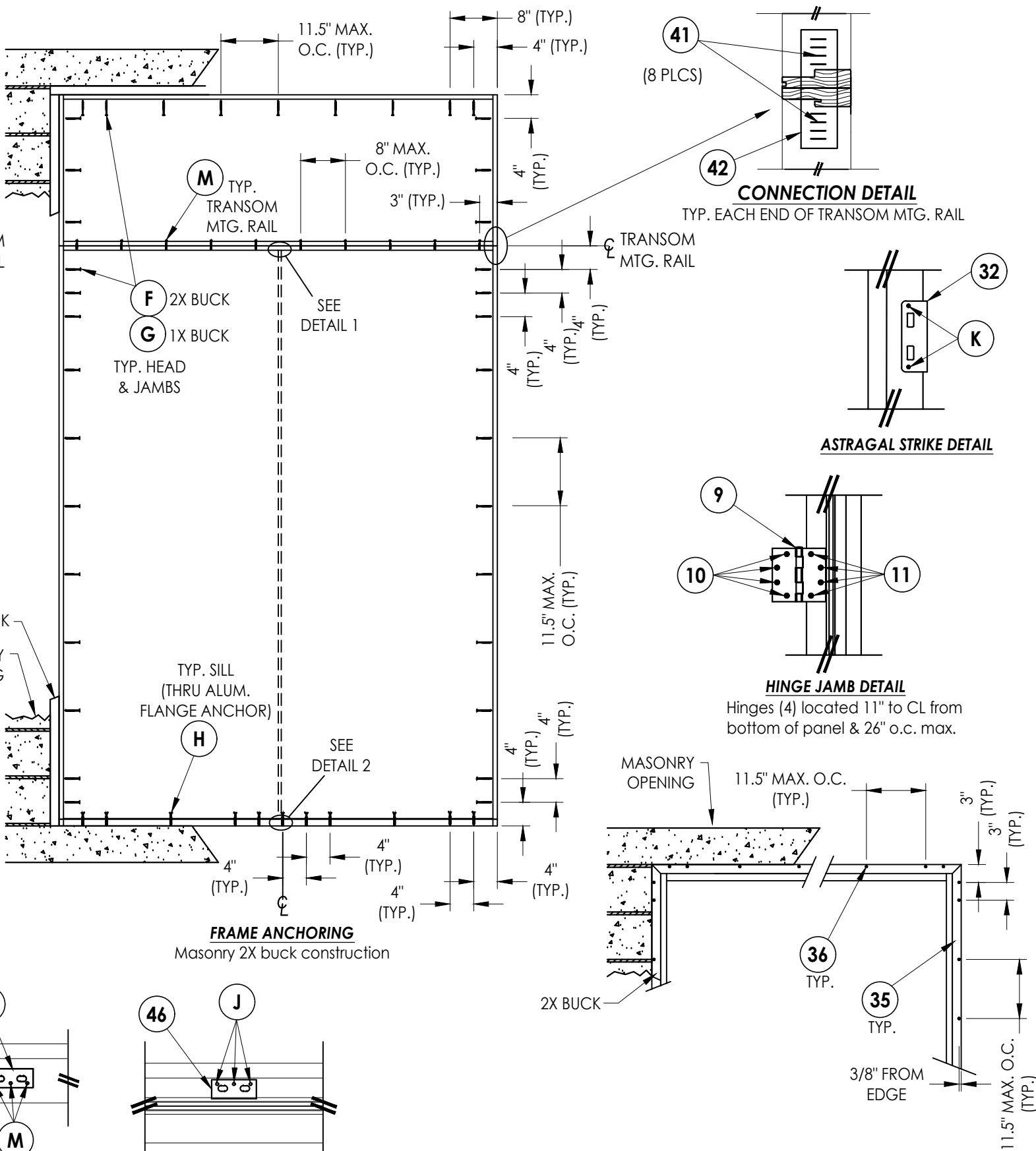
DETAIL 1

Shootbolt Strike Plate @ Head



DETAIL 2

Shootbolt Strike Plate @ Sill



ALTERNATE FRAME ANCHORING @ HEAD & JAMBS

Masonry buck construction (Aluminum Flange Anchor)

3	10/4/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS	
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NO.	DATE				BY	
						REVISIONS

DATE: 8/17/15

SCALE: N.T.S

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15737.16

SHEET 6 OF 7

Documents Prepared By:
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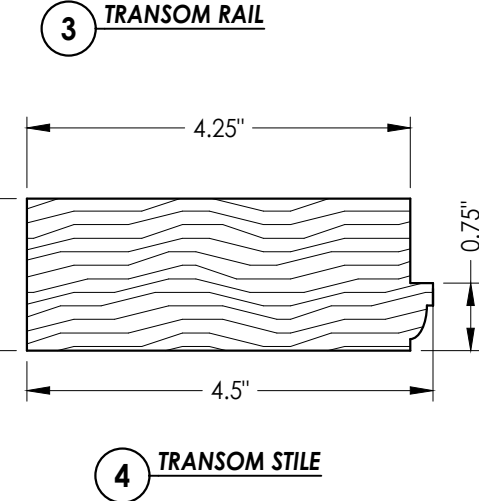
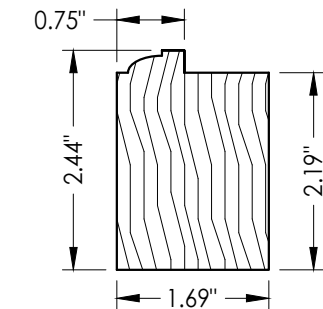
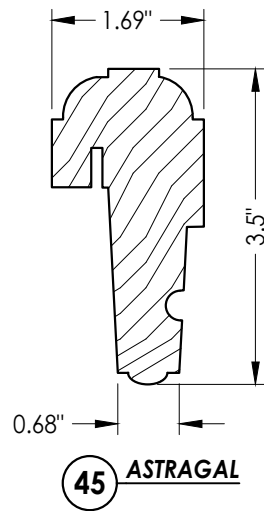
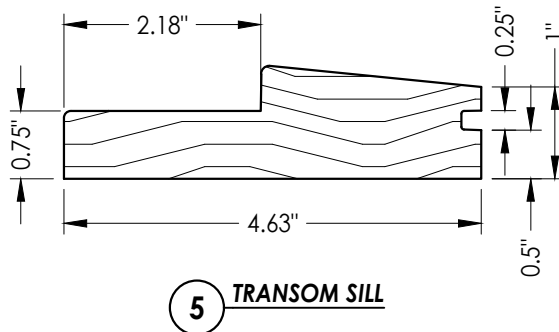
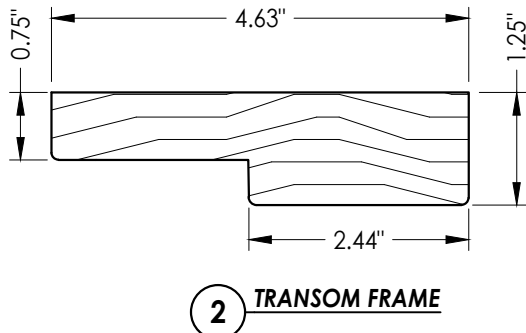
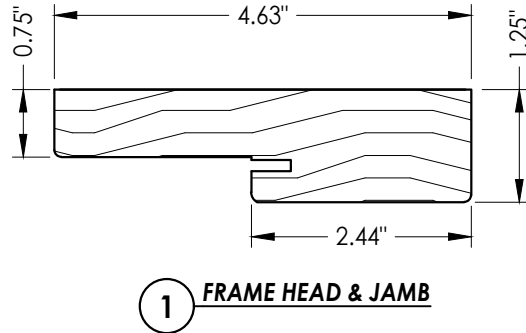
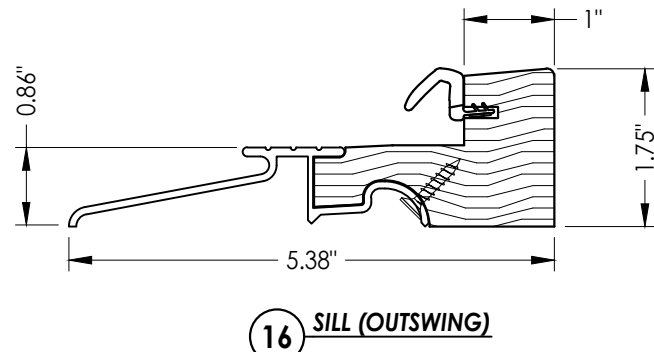
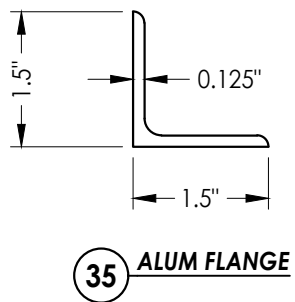
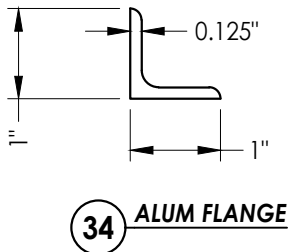
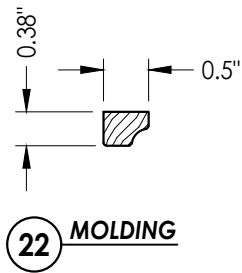
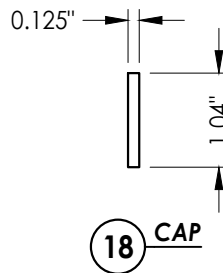
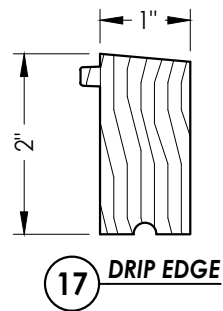
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WOOD DOOR

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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 3" FH DEEP THREAD WOOD SCREW	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
2	TRANSOM FRAME	WOOD
3	TRANSOM RAIL	WOOD
4	TRANSOM STILE	WOOD
5	TRANSOM SILL	WOOD
7	WEATHERSTRIP	VINYL
9	4.5" X 4.5" HINGE	STEEL
10	#12 X 1-1/4" PFH SMS	STEEL
11	#12 X 3/4" PFH SMS	STEEL
12	1" BRAD (23 ga)	STEEL
13	2" BRAD (23 ga)	STEEL
16	SILL (OUTSWING)	ALUM/WOOD
17	DRIP EDGE	WOOD
18	CAP	WOOD
22	MOLDING	WOOD
32	MULTI-POINT LOCK STRIKE PLATE	STEEL
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
38	#8 X 1" FH WOOD SCREW (3/4" MIN. EMBEDMENT)	STEEL
40	WOOD DOOR PANEL	WOOD
41	16 GA. STAPLE (1" CROWN X 3/4" LEG)	STEEL
42	STEEL SPLICE PLATE 2.75" X 8" X 0.31" THICK	STEEL
45	ASTRAGAL	WOOD
46	SHOOTBOLT STRIKE PLATE	STEEL

NOTE: DOOR COMPONENT WOOD (SG ≥ 0.54)

[illegible]