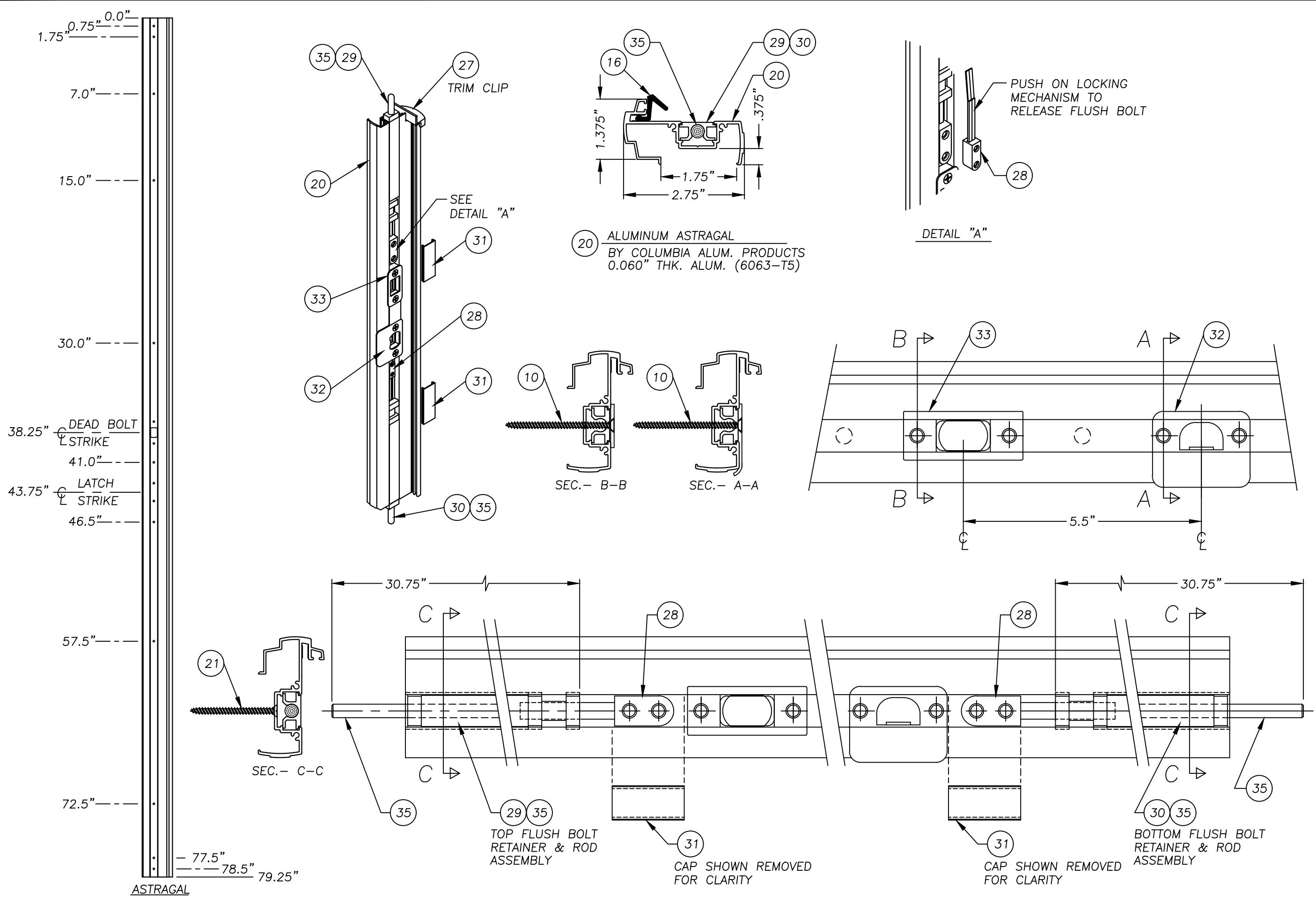




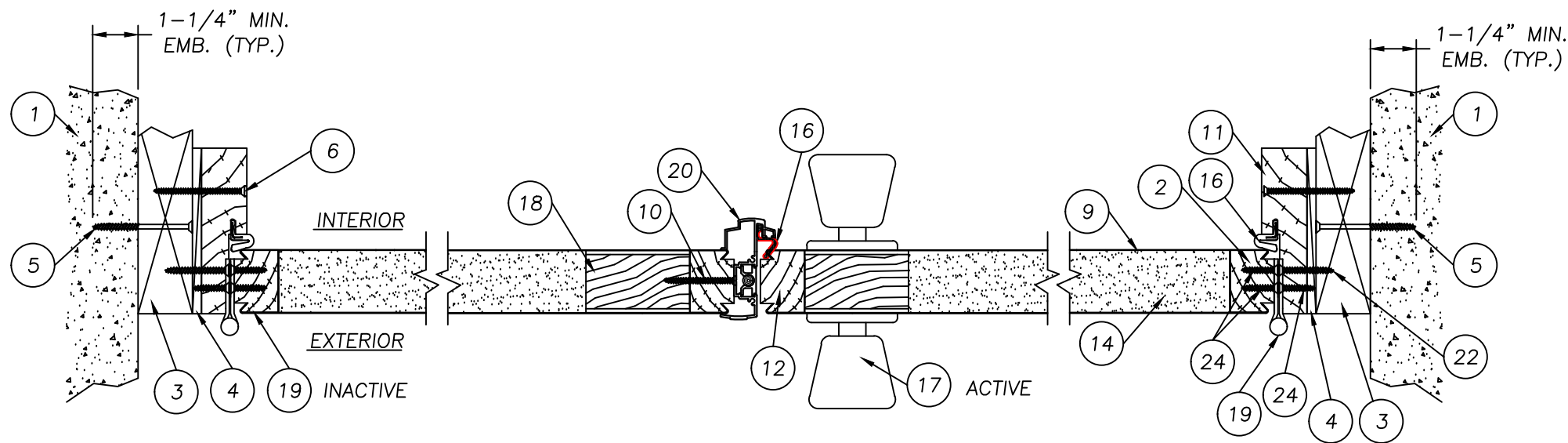
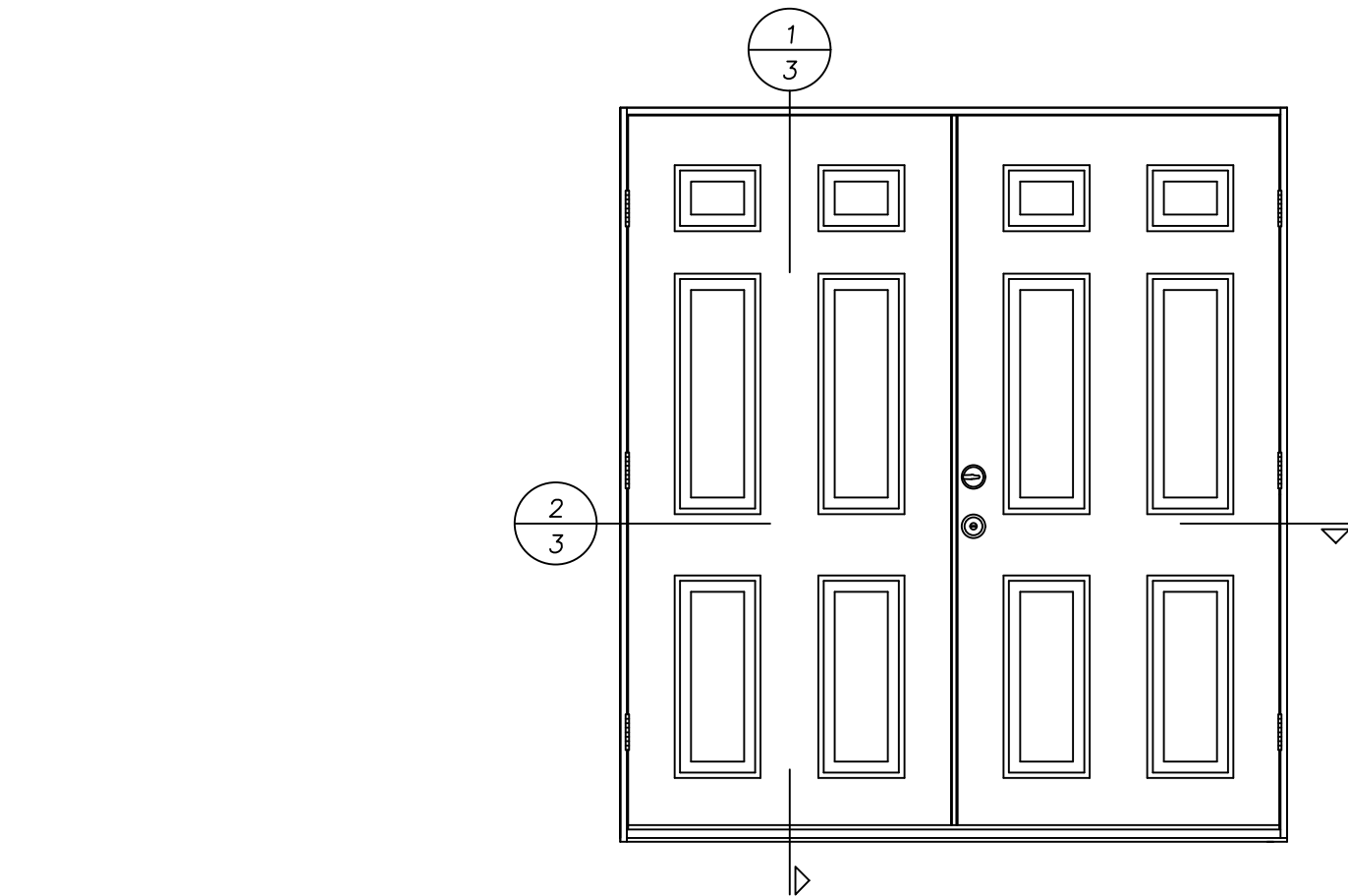
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

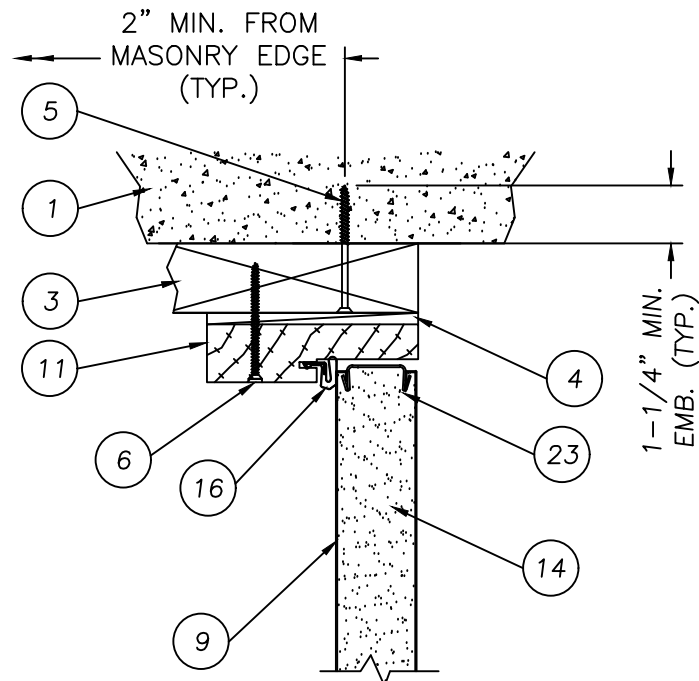
PRODUCT: COLUMBIA
ALUM. ASTRAGAL & THRESHOLD
PART OR ASSEMBLY: ASTRAGAL SECTIONS,
ELEVATIONS & DETAILS

5	7/05/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	8/26/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
3	8/21/17	UPDATE TO 6TH ED. (2017)	FBC	JK
2	4/23/15	UPDATE TO 5TH ED. (2014)	FBC	JK
1	2/02/12	UPDATE TO 2010 FBC		LFS
NO.	DATE			BY
REVISIONS				
DATE: 02/25/09				
SCALE: N.T.S.				
DWG. BY: DWS				
CHK. BY: LFS				
DRAWING NO.: FL-4272.2				
SHEET 2 OF 5				

Z:\2023 FBC Drawings\Columbia Aluminum Products\FL-4272 R7\FL-4272.1-2.dwg



2 HORIZONTAL CROSS SECTION
3 DOOR @ ASTRAGAL



1 VERTICAL CROSS SECTION
3

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

PRODUCT: COLUMBIA
ALUM. ASTRAGAL & THRESHOLD

PART OR ASSEMBLY:

VERTICAL AND HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS
5	7/05/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	8/26/20	UPDATE TO 7TH ED. (2020) FBC LFS
3	8/21/17	UPDATE TO 6TH ED. (2017) FBC JK
2	4/23/15	UPDATE TO 5TH ED. (2014) FBC JK
1	2/02/12	UPDATE TO 2010 FBC LFS

DATE: 02/25/09

SCALE: N.T.S.

DWG. BY: DWS

CHK. BY: LFS

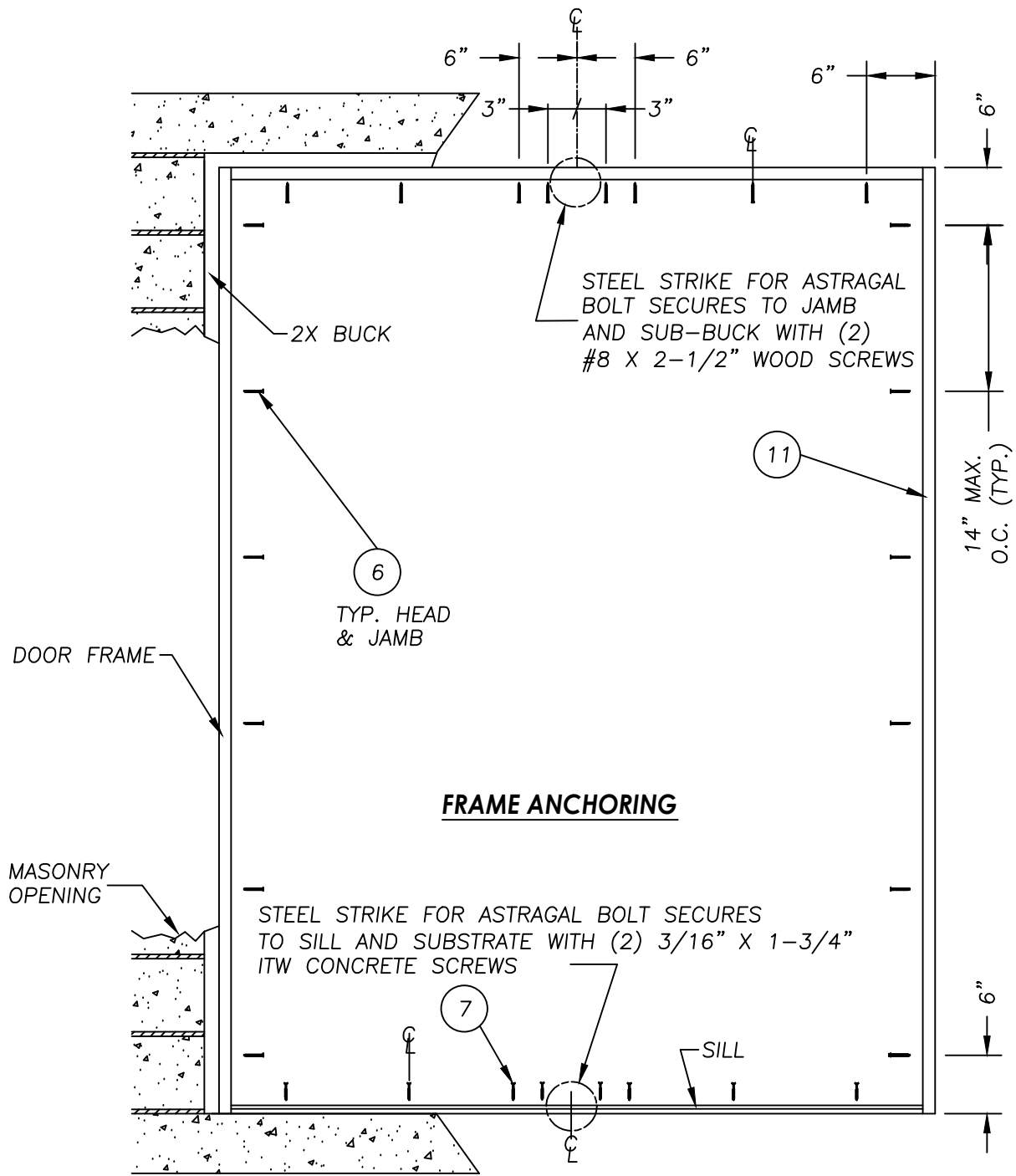
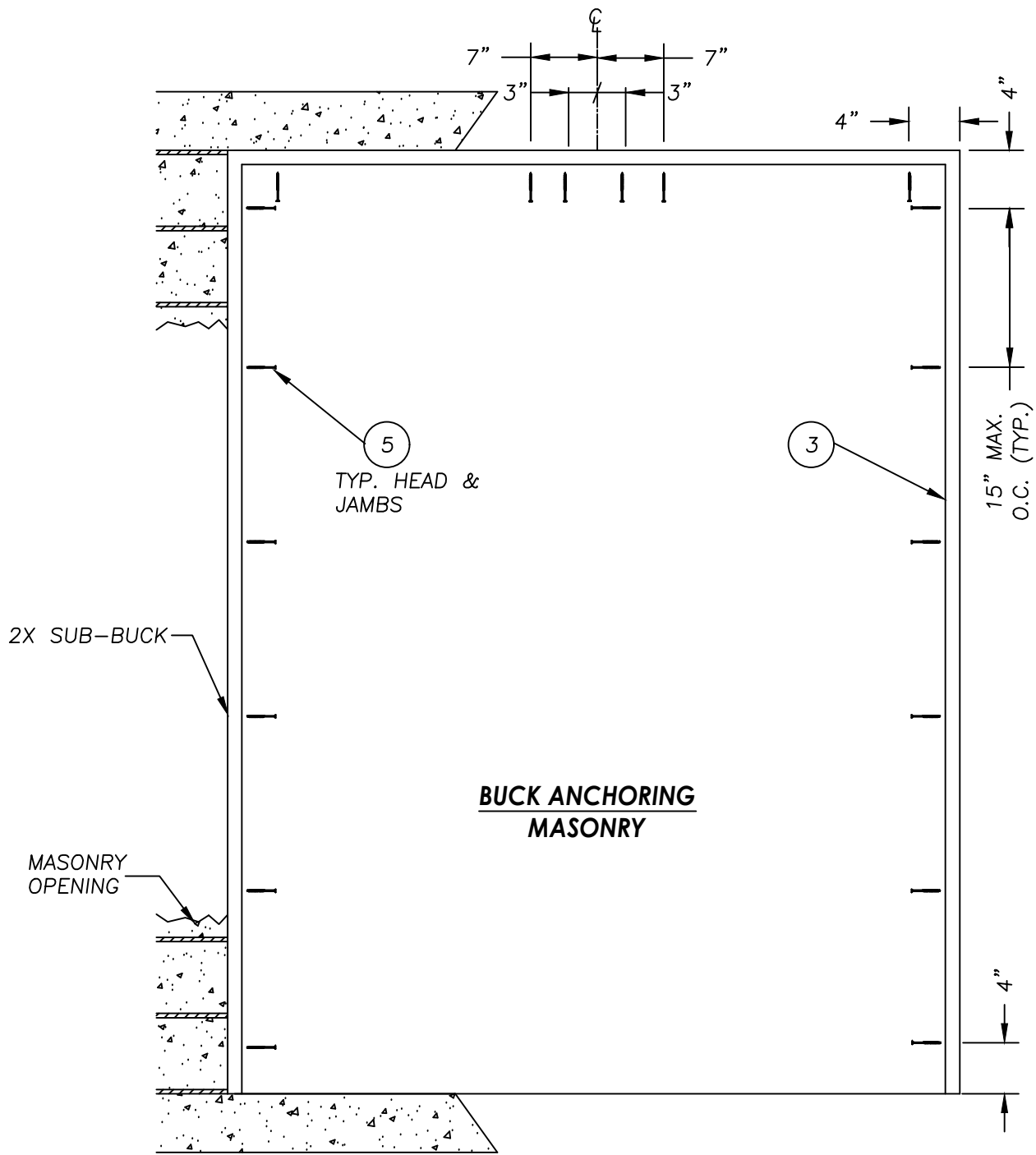
DRAWING NO.:

FL-4272.2

SHEET 3 OF 5

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Z:\2023 FBC Drawings\Columbia Aluminum Products\FL-4272 R7\FL-4272.1-2.dwg



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 ULTRAACON+®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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: COLUMBIA
ALUM. ASTRAGAL & THRESHOLD

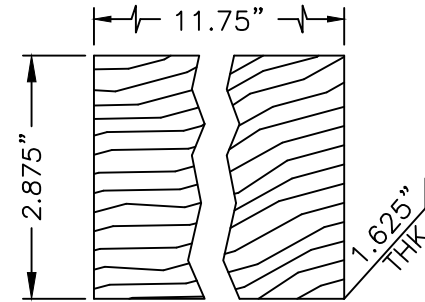
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:
ANCHORING

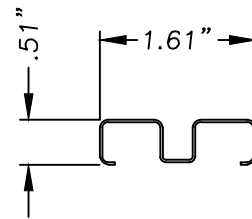
		7/05/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
5		7/05/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4		8/26/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
3		8/21/17	UPDATE TO 6TH ED. (2017)	FBC	JK
2		4/23/15	UPDATE TO 5TH ED. (2014)	FBC	JK
1		2/02/12	UPDATE TO 2010 FBC	FBC	LFS
NO.	DATE				BY
REVISIONS					

DATE: 02/25/09
SCALE: N.T.S.
DWG. BY: DWS
CHK. BY: LFS
DRAWING NO.: FL-4272.2
SHEET 4 OF 5

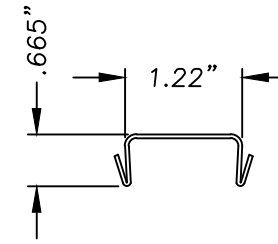
ITEM	DESCRIPTION	MATERIAL
1	MASONRY – 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONC.
2	HINGE STILE (PONDEROSA PINE 1.687" x .828")	PINE
3	2X BUCK SG >= 0.55	WOOD
4	SHIM 1/4" MAX. THK.	WOOD
5	1/4" x 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
6	#8 x 2-1/2" WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
7	1/4" x 2-1/4" ITW CONCRETE SCREW	STEEL
9	DOOR SKIN .021" THK. STEEL DOOR BY MASONITE	STEEL
10	#8 x 2-1/2" PHILLIPS FLAT HEAD WOOD SCREW	STEEL
11	FINGER JOINTED PINE FRAME & HEAD	PINE
12	LATCH STILE 1.687" x .828"	WOOD
13	BOTTOM RAIL .032" THK. ROLL FORMED STEEL BY MASONITE	STEEL
14	POLYURETHANE FOAM (BASF, 2.0 TO 2.5 lbs. DENSITY)	FOAM
16	COMPRESSION WEATHERSTRIPPING QEBD-650 OR 500 BY Q-LON	FOAM
17	KWIKSET KNOB (SIGNATURE SERIES) & DEADBOLT (980)	-
18	LOCK BLOCK 2.875" x 11.75" x 1.6875" THK.	WOOD
19	4" BUTT HINGE BY HAGAR	STEEL
20	EXTRUDED ALUMINUM ASTRAGAL BY COLUMBIA ALUM. PROD. 6063-T5	ALUM.
21	#8 x 2" PHILLIPS PAN HEAD WOOD SCREW	STEEL
22	#10 x 1-1/2" PHILLIPS FLAT HEAD WOOD SCREW	STEEL
23	TOP RAIL .043" THK. ROLL FORMED STEEL BY MASONITE	STEEL
24	#10 x 3/4" PHILLIPS FLAT HEAD WOOD SCREW	STEEL
26	OUTSWING BUMP THRESHOLD BY COLUMBIA ALUM. PRODUCTS	WOOD/ALUM.
27	TRIM CLIP (#3920-BLK. / #3921-WHT.)	-
28	LOCKING MECHANISM (#3901)	-
29	TOP FLUSH BOLT RETAINER – 6063-T5	ALUM. /STEEL
30	BOTTOM FLUSH BOLT RETAINER – 6063-T5	ALUM. / STEEL
31	ALUMINUM TRACK CAP	ALUM.
32	LATCH STRIKE PLATE	STEEL
33	DEAD BOLT STRIKE PLATE	STEEL
35	5/16"Ø x 20" LONG FLUSH BOLT ROD	STEEL



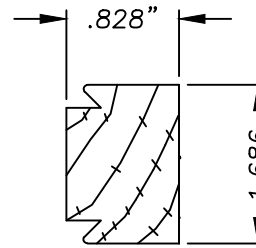
18 REINFORCEMENT WOOD
FOR LOCK



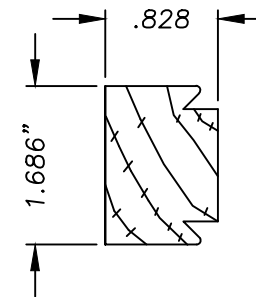
13 DOOR BOTTOM RAIL
.06" THK. STEEL



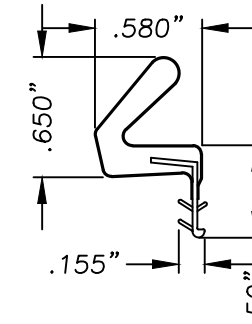
23 DOOR TOP RAIL
.06" THK. STEEL



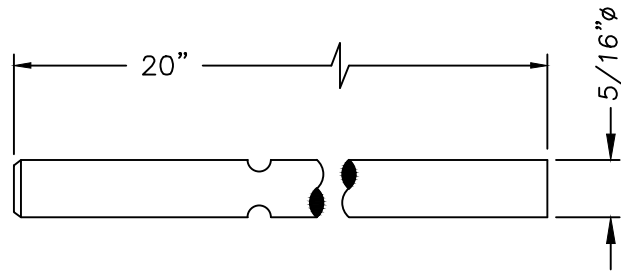
② HINGE STILE
WOOD REINFORCEMENT



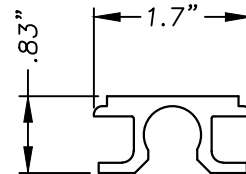
12 LATCH STILE
WOOD REINFORCEMENT



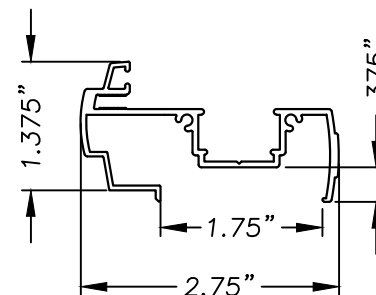
16 WEATHERSTRIPPING QEBD-650
FOAM



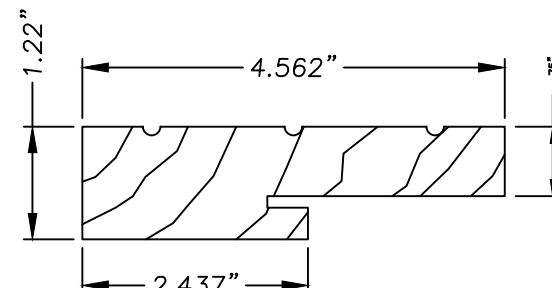
35 FLUSH BOLT ROD
STEEL



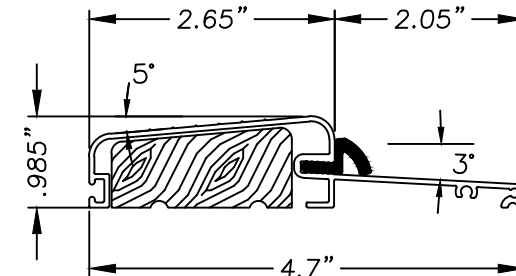
(29)(30) FLUSH BOLT
 TOP / BOTTOM
 ALUMINUM 6063-T5



20 ALUMINUM ASTRAGAL
BY COLUMBIA AL. PRODUCTS
.060 THK. ALUM. 6063-T5



11 4-9/16" JAMB
FINGER JOINT PINE



26 OUTSWING THRESHOLD
ALUM. / WOOD
P/N 575

[illegible]

DATE: 02/25/09

SCALE: N.T.S.

DWG. BY: *DWS*

CHK. BY: LFS

DRAWING NO.:

FL-4272.2

SHEET 5 OF 5

Documents Prepared By:
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