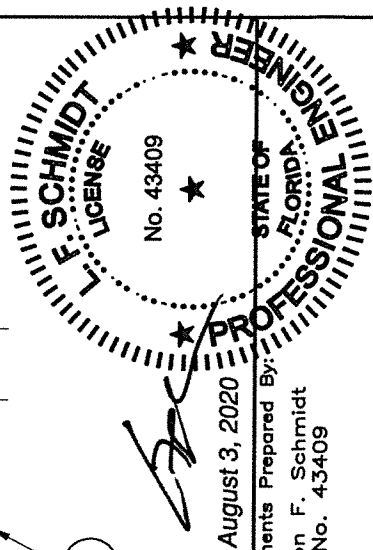
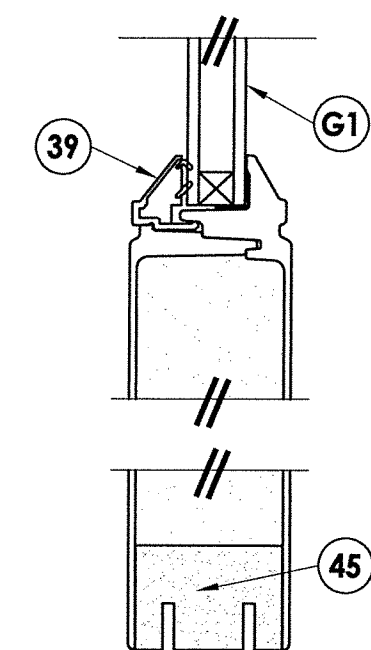
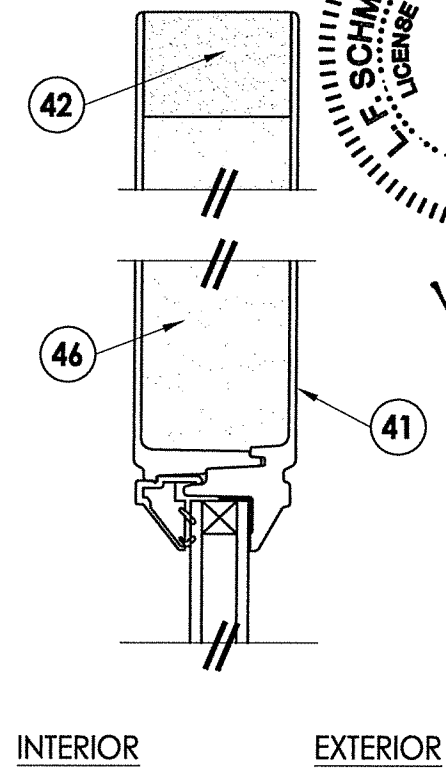
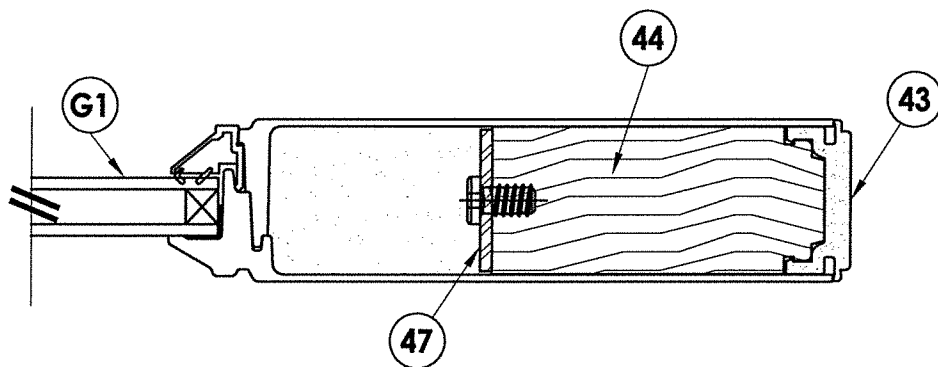
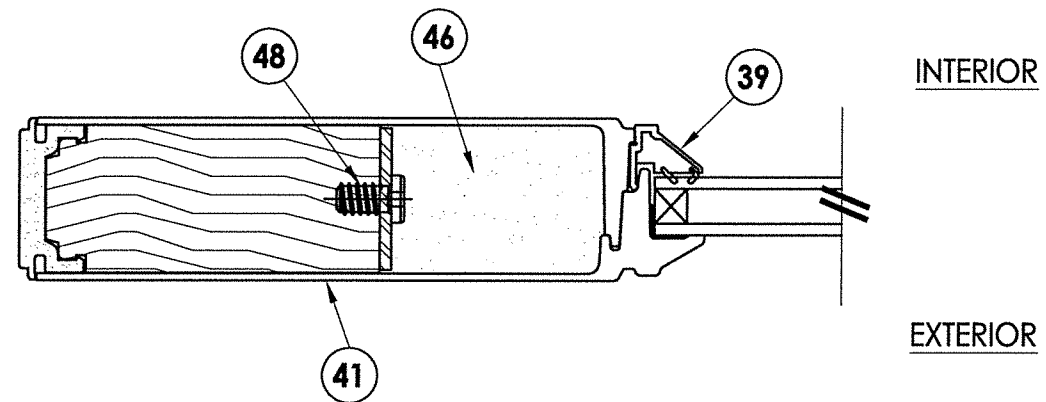
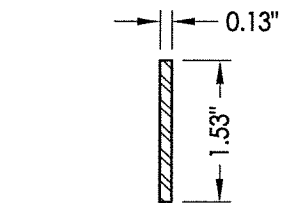
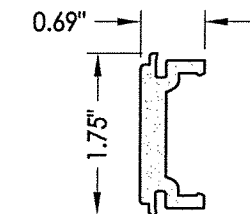
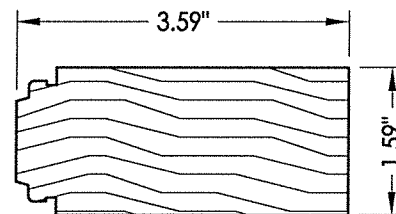
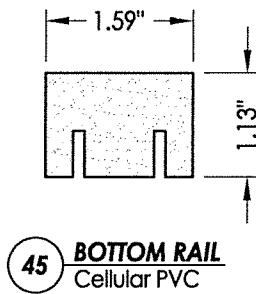
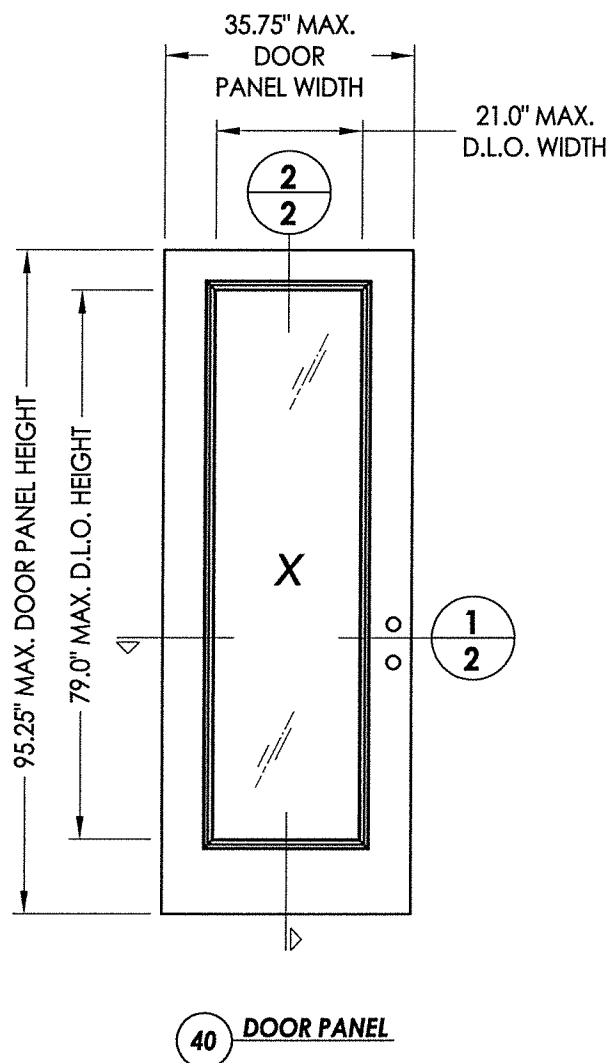






August 3, 2020

Documents Prepared By:

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P.E. No. 43409

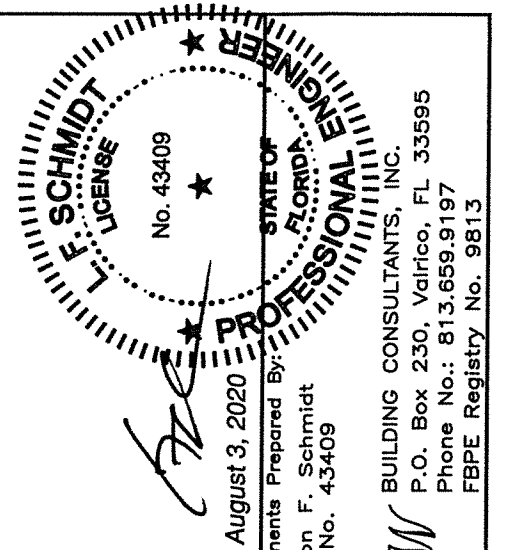
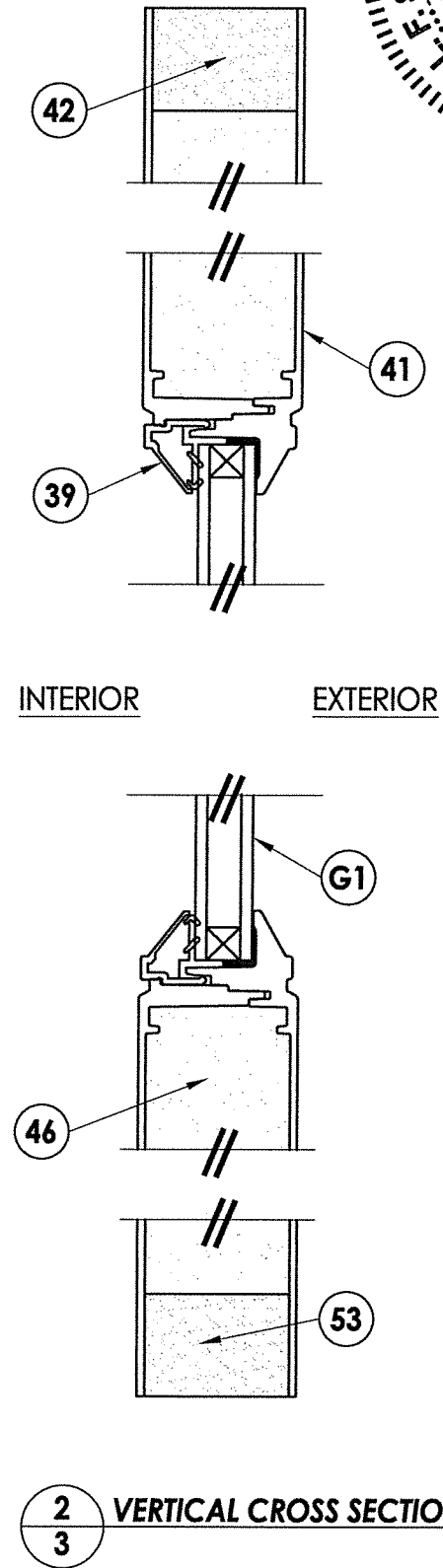
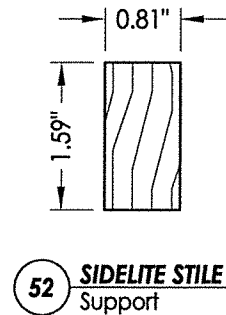
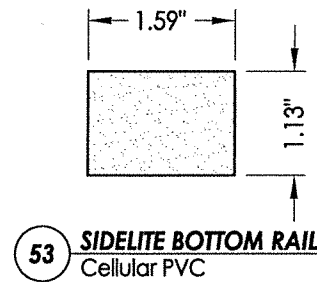
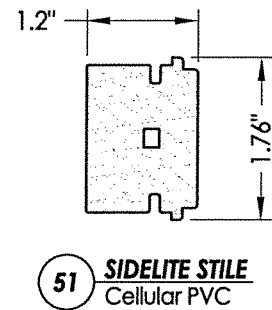
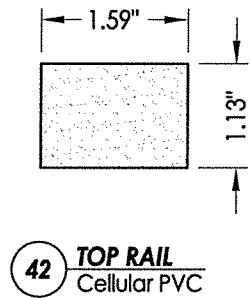
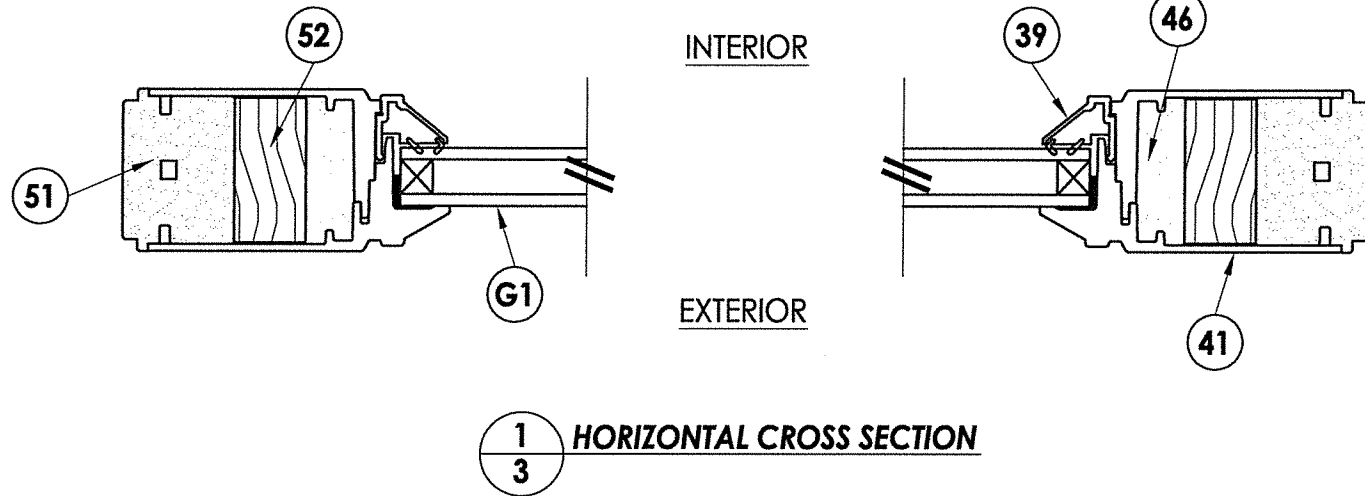
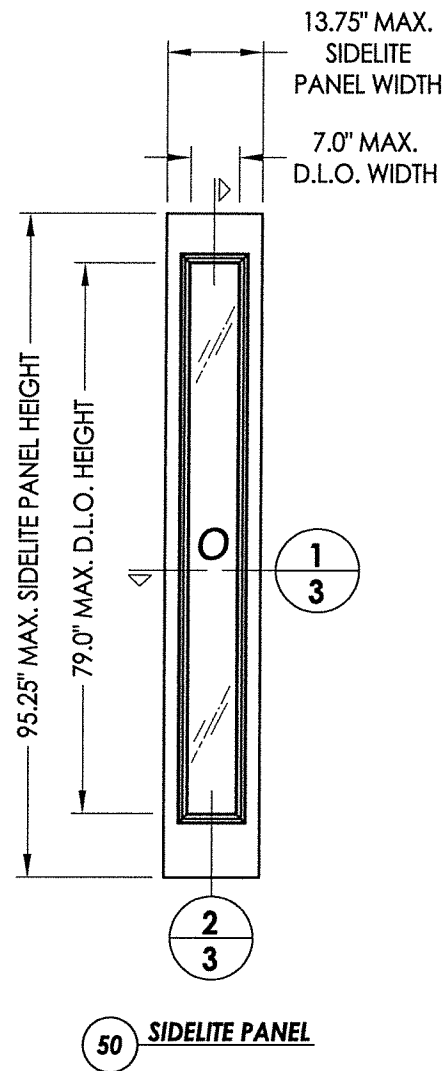
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197
FBPF Registry No. 9813

FBPE Registry No. 9813

PRODUCT:		DOERS FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
				LFS	
				LFS	
				JK	
				BY	
				REVISIONS	
3	7/30/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
2	5/15/19	ADD STEEL STUD ANCHORING		LFS	
1	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
NO.	DATE				
DATE: 09/22/15					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-19007.7					
SHEET 2 OF 9					

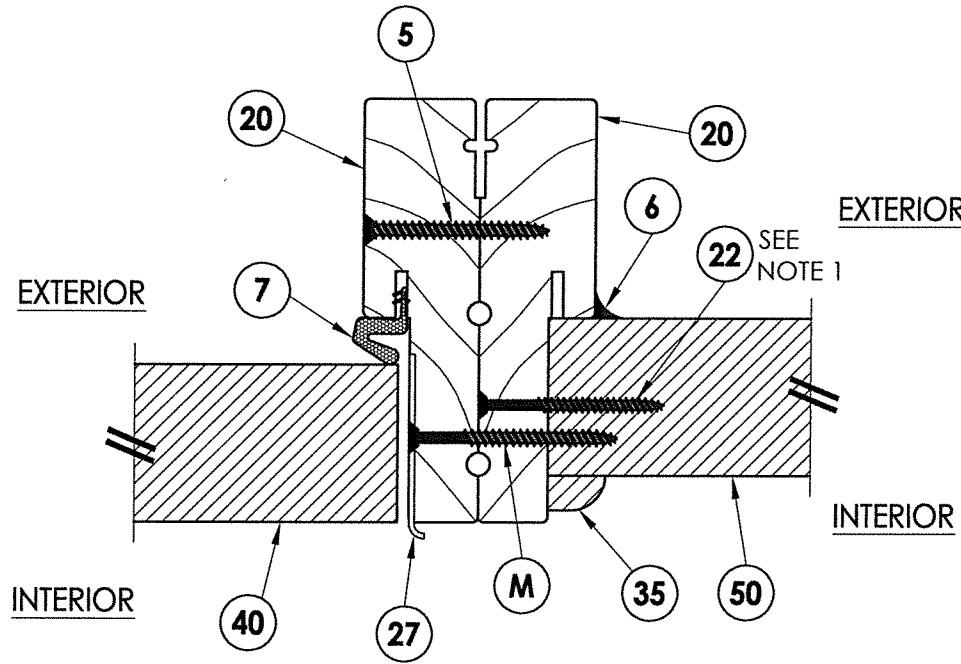
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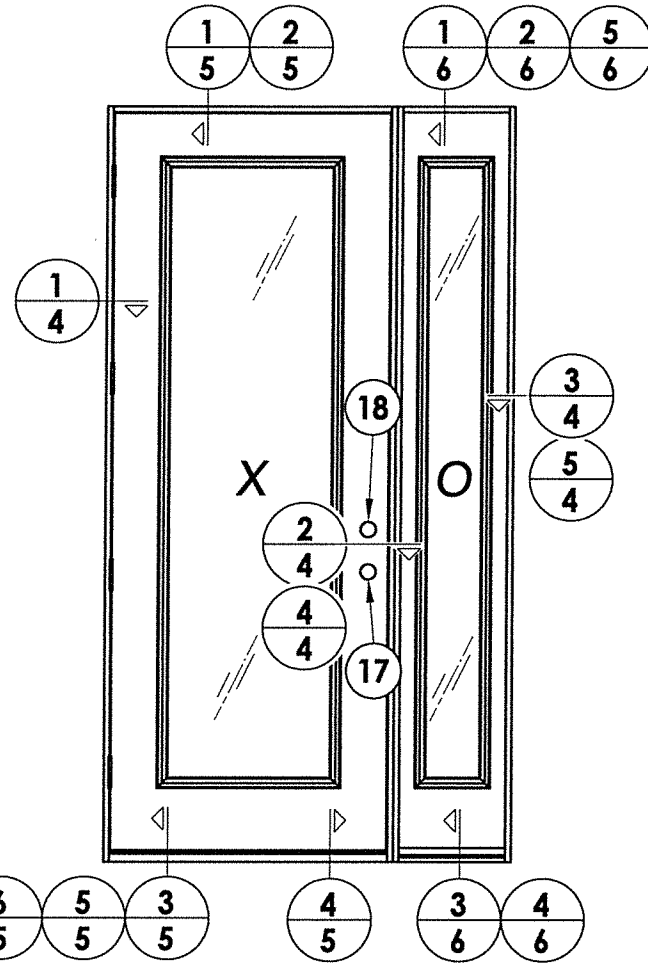
August 3, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		DOERS FIBERGLASS DOOR	
PART OR ASSEMBLY:		SIDELITE PANEL DETAILS	
NO.	DATE	REVISIONS	BY
3	7/30/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	5/15/19	ADD STEEL STUD ANCHORING	LFS
1	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK
NO.	DATE	REVISIONS	BY
DATE: 09/22/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-19007.7			
SHEET 3 OF 9			

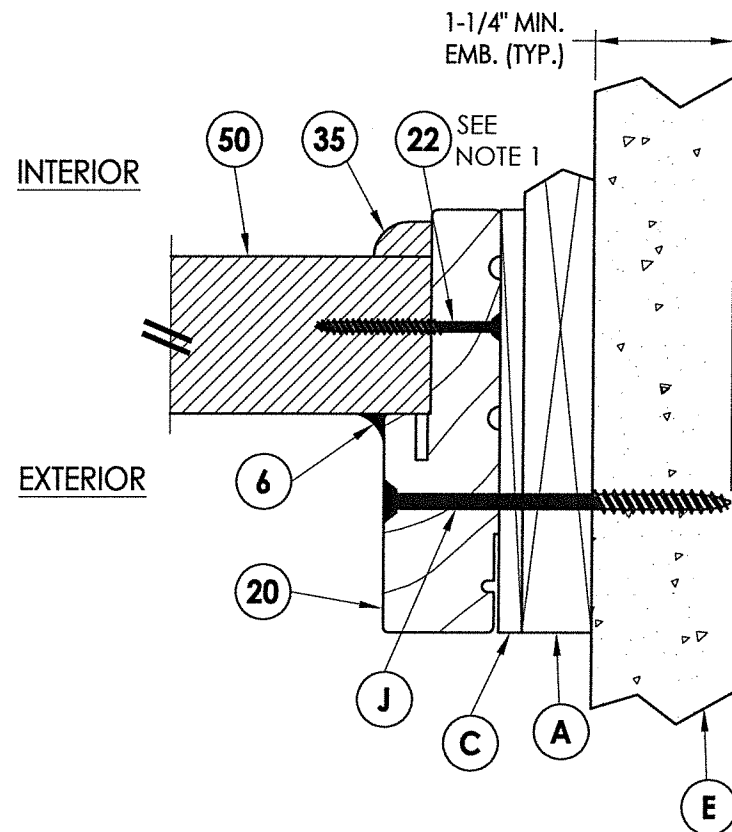
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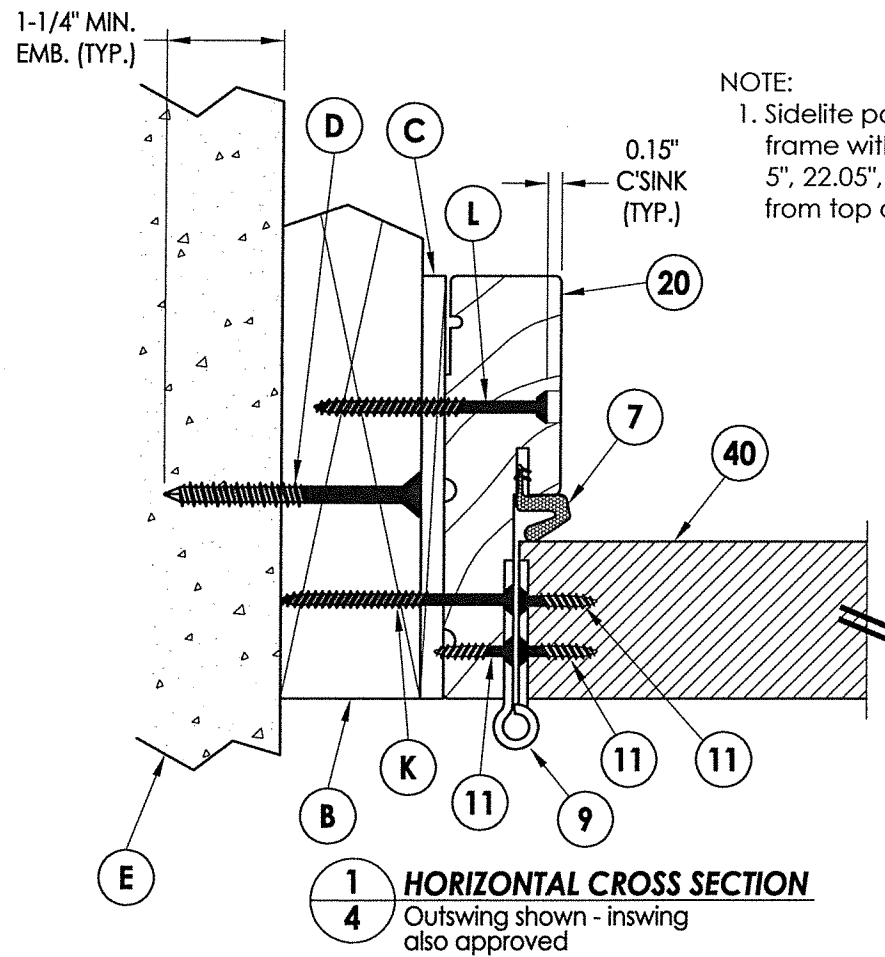
4 HORIZONTAL CROSS SECTION
4 Inswing configuration



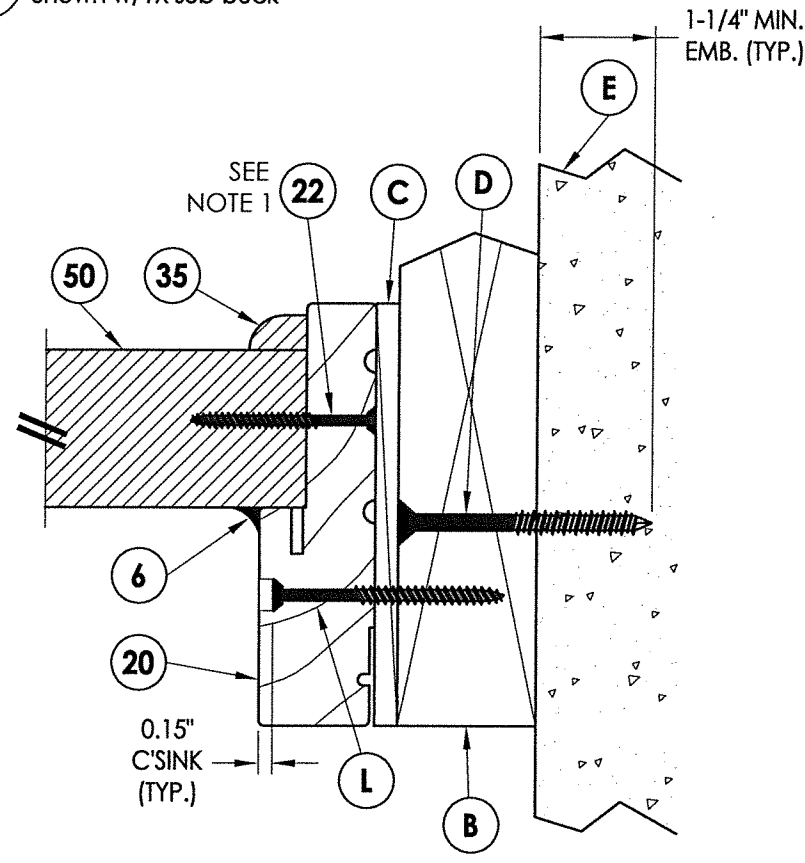
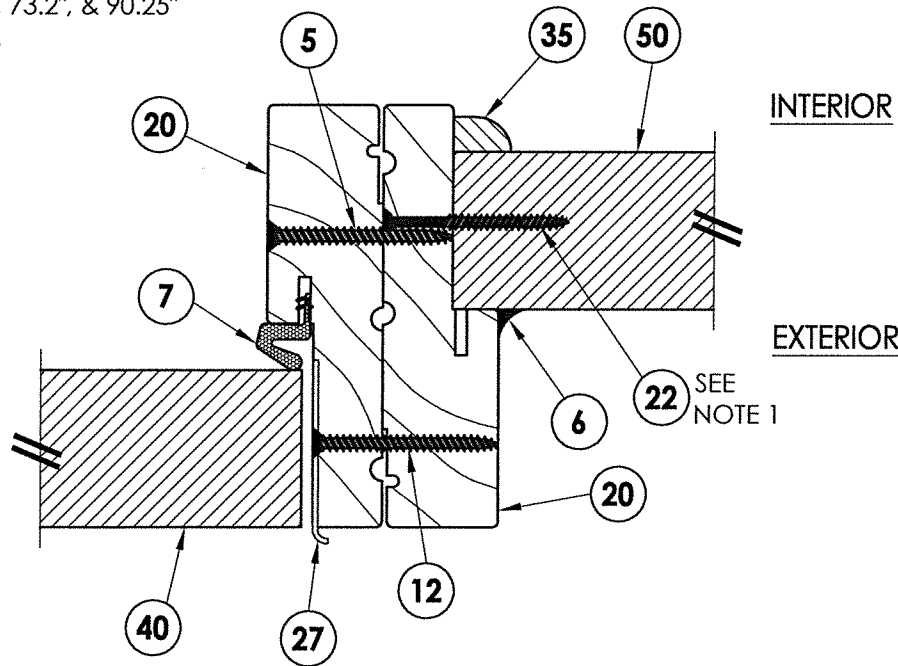
5 HORIZONTAL CROSS SECTION
4 Shown w/1X sub-buck



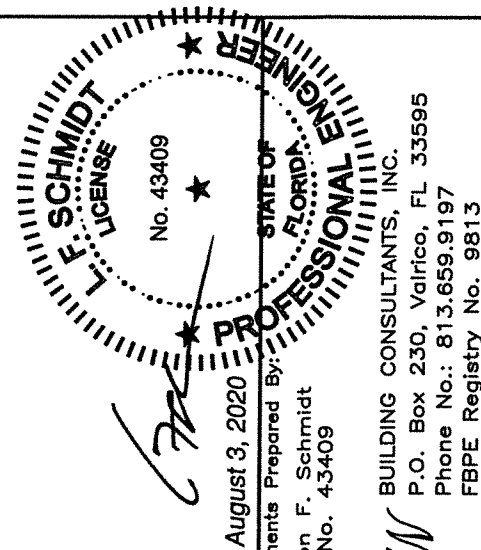
6 HORIZONTAL CROSS SECTION
4 Outswing shown - inswing also approved



7 HORIZONTAL CROSS SECTION
4 Outswing configuration



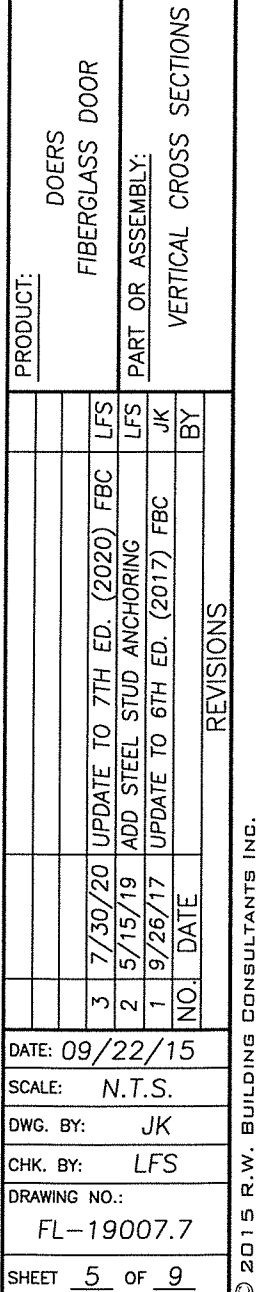
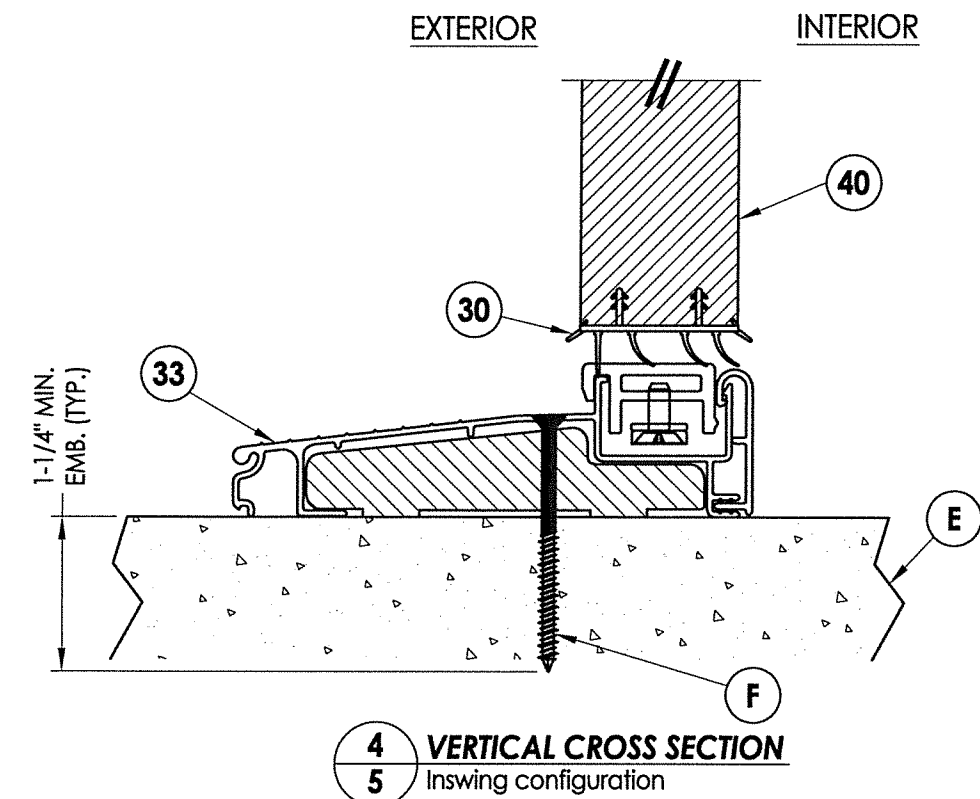
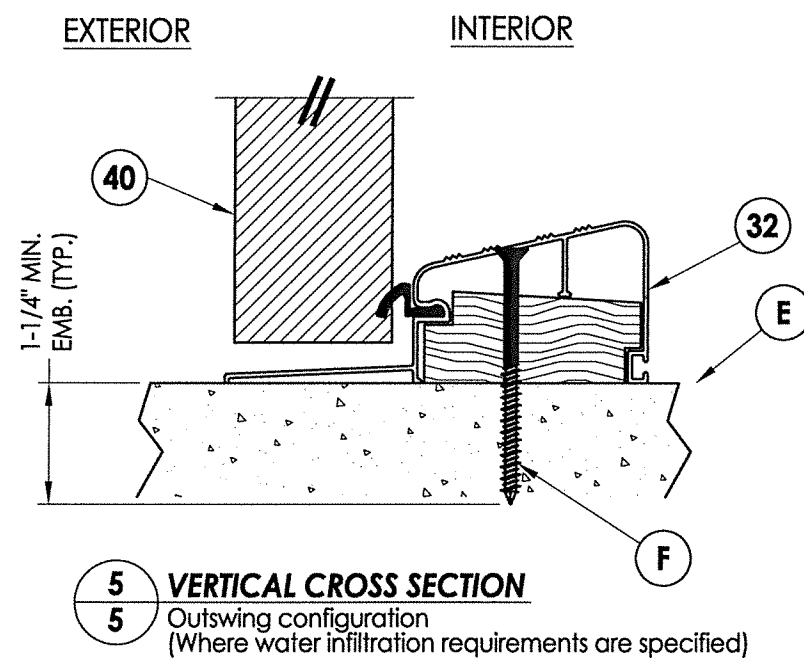
NOTE:
1. Sidelite panel secured to the sidelite frame with (6) of item #22 located 5", 22.05", 39.10", 56.15", 73.2", & 90.25" from top of each jamb.



PRODUCT:		DOERS FIBERGLASS DOOR	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
3	7/30/20	LFS	UPDATE TO 7TH ED. (2020) FBC
2	5/15/19	LFS	ADD STEEL STUD ANCHORING
1	9/26/17	JK	UPDATE TO 6TH ED. (2017) FBC
DATE:	09/22/15		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	FL-19007.7		
SHEET	4	OF	9

VERTICAL CROSS SECTION
Outswing configuration

The diagram shows a vertical cross-section of the door assembly in its outswing configuration. The door is hinged on the exterior side. A vertical dimension line on the left indicates a minimum embedment depth of 1-1/4" (typical) into the substrate. The door is shown with a diagonal hatching pattern. The substrate is shown with a stippled pattern. The diagram is labeled with callouts 36, 37, 40, and 1. The top of the diagram is labeled "EXTERIOR" and "INTERIOR".

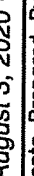




EXTERIOR INTERIOR



5 VERTICAL CROSS SECTION
6 Shown w/ Steel Stud Framing Option

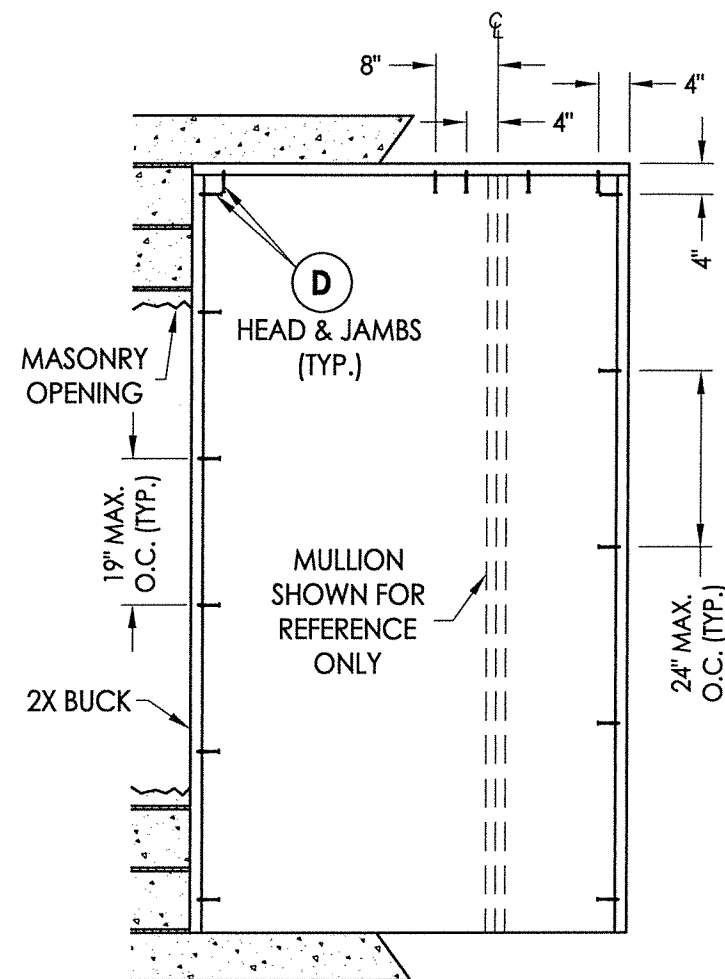


Lyndon F. Schmidt
P.E. No. 43409

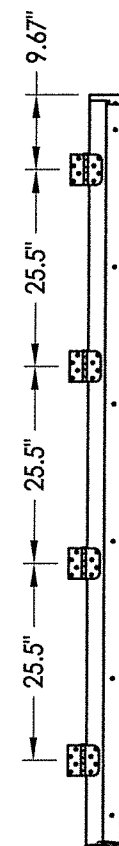


VALRICO BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

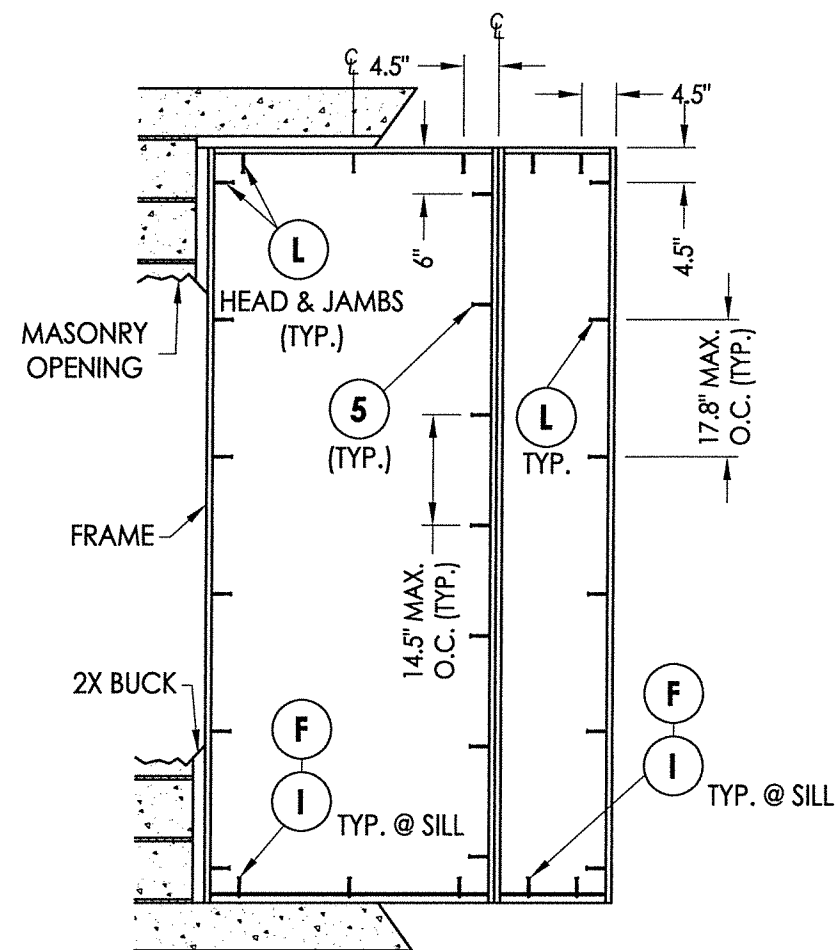
DATE: 09/22/15		PRODUCT: DOERS FIBERGLASS DOOR	
SCALE: N.T.S.	PART OR ASSEMBLY: VERTICAL CROSS SECTIONS		
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-19007.7			
SHEET 6 OF 9			



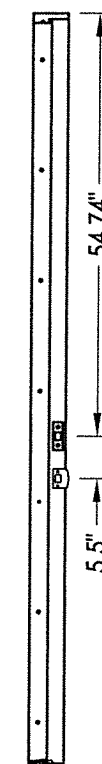
BUCK ANCHORING



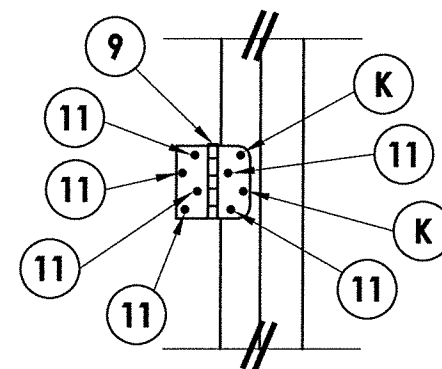
HINGE JAMB



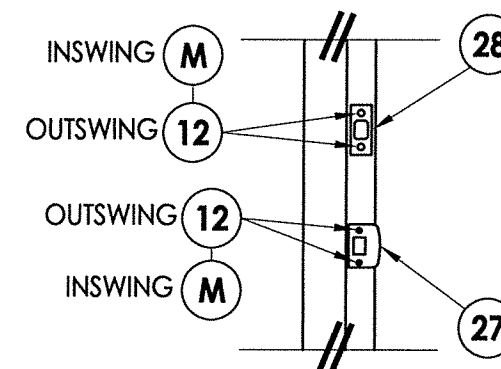
FRAME ANCHORING
Masonry 2X buck construction



STRIKE JAMB



HINGE DETAIL



LATCH & DEADBOLT DETAIL

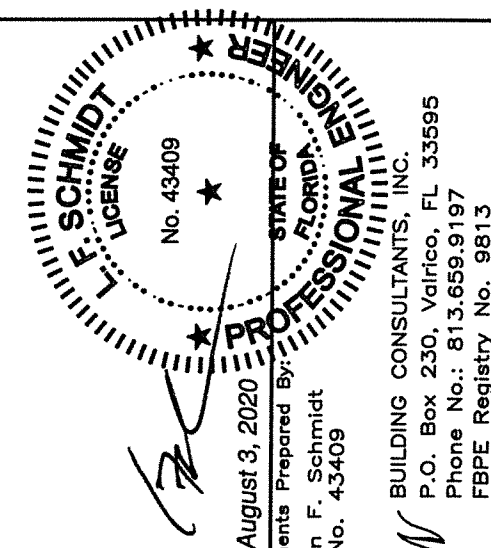
CONCRETE ANCHOR NOTES:

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
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRA CON®	1/4"	1-1/4"	1"	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.



August 3, 2020

Documents Prepared By

n F. Schm
Jo 43409

Re

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:

DOERS
FIBERGLASS DOOR

PART OR ASSEMBLY:

BUCK & FRAME ANCHORING 2X
BUCK MASONRY CONSTRUCTION

3	7/30/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	5/15/19	ADD STEEL STUD ANCHORING		LFS
1	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	JK
NO.	DATE	BY		
REVISIONS				

DATE: 09/22/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

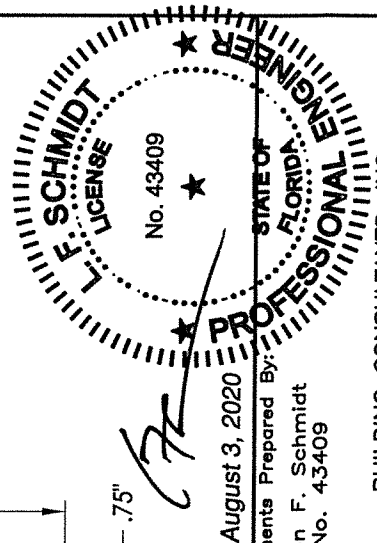
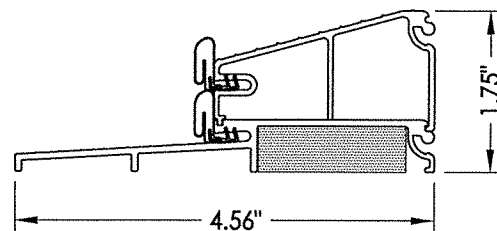
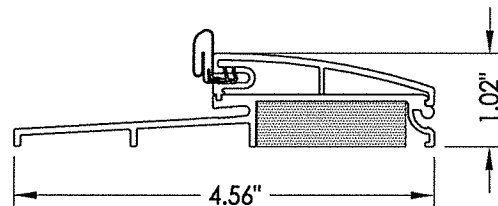
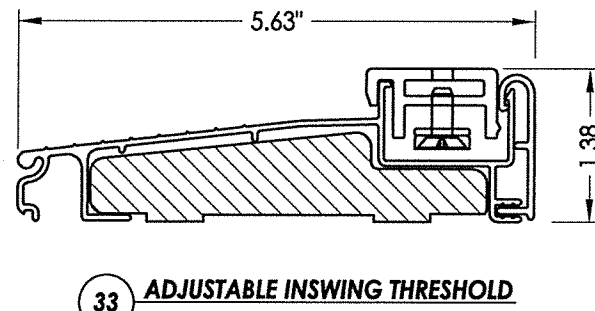
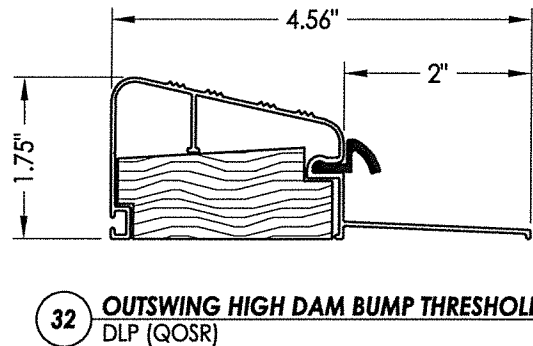
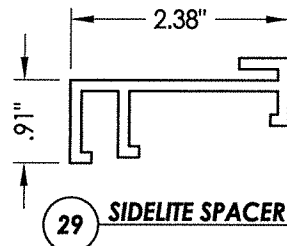
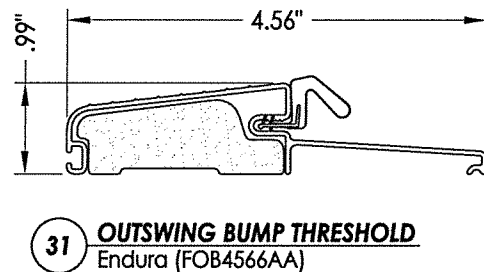
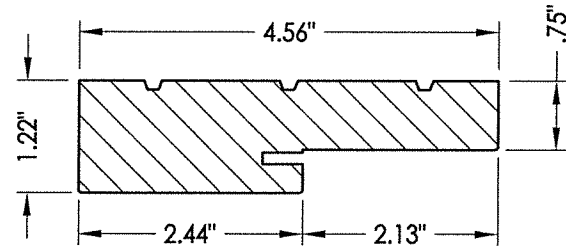
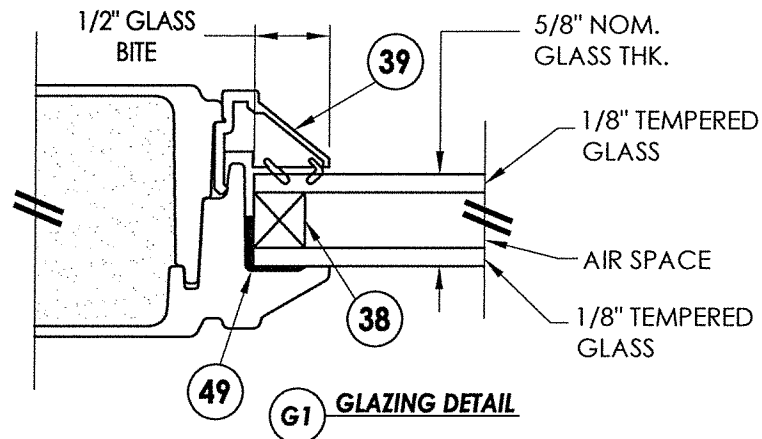
DRAWING NO.:

FL-19007.7

SHEET 7 OF 9

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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" PFH ELCO 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 2-3/4" PFH ITW CONCRETE SCREW	STEEL
H	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
I	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
K	#9 X 2-1/2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
M	#9 X 2-1/4" PFH WOOD SCREW	STEEL
P	#10-16 PFH SELF-DRILLING SMS	STEEL
5	#10 X 2" PFH SCREW	STEEL
6	SEALANT	SILICONE
7	Q-LON 650 WEATHERSTRIP SCHLEGEL	FOAM
9	4" X 4" BUTT HINGE	STEEL
10	#9 X 3-1/2" PFH WOOD SCREW	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
12	#9 X 2" PFH WOOD SCREW	STEEL
17	KWIKSET KEYED ENTRY - SIGNATURE SERIES	STEEL
18	KWIKSET DEADBOLT - SIGNATURE SERIES (780)	STEEL
20	FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS	WOOD
22	#8 X 2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	SIDELITE SPACER	PVC
30	WEATHER-STOP 3647 HOLM INDUSTRIES	VINYL
31	OUTSWING BUMP THRESHOLD	ALUM. / PVC
32	OUTSWING HIGH DAM BUMP THRESHOLD	ALUM. / WOOD
33	INSWING ADJUSTABLE THRESHOLD	ALUM. / WOOD
35	SHOE MOULD 5/8" X 3/8"	WOOD
36	OUTSWING BASE SILL w/ BUMPER THRESHOLD CAP	ALUM. / COMP.
37	OUTSWING BASE SILL w/ BUMPER THRESHOLD HIGH DAM CAP	ALUM. / COMP.
38	GLAZING SPACER	ALUM.
39	GLAZING BEAD	PVC
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
41	DOOR SKIN (MIN. 0.095" THICK)	FIBERGLASS
42	TOP RAIL	CELLULAR PVC
43	LATCH & HINGE STILE	CELLULAR PVC
44	LATCH & HINGE STILE SUPPORT	WOOD
45	BOTTOM RAIL	CELLULAR PVC
46	POLYURETHANE FOAM	POLYURETHANE
47	STILE REINFORCEMENT	STEEL
48	REINFORCEMENT RETAINING SCREW	NYLON
49	GLAZING COMPOUND DOW 995	SILICONE
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
51	SIDELITE STILE	CELLULAR PVC
52	SIDELITE STILE SUPPORT	WOOD
53	SIDELITE BOTTOM RAIL	CELLULAR PVC



August 3, 2020

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:

DOERS

FIBERGLASS DOOR

PART OR ASSEMBLY:

BILL OF MATERIALS, GLAZING

DETAIL & COMPONENTS

REVISIONS

NO. DATE

3 7/30/20 UPDATE TO 7TH ED. (2020) FBC

2 5/15/19 ADD STEEL STUD ANCHORING

1 9/26/17 UPDATE TO 6TH ED. (2017) FBC

DATE

DATE:

09/22/15

SCALE:

N.T.S.

DWG. BY:

JK

CHK. BY:

LFS

DRAWING NO.:

FL-19007.7

SHEET

9

OF

9

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