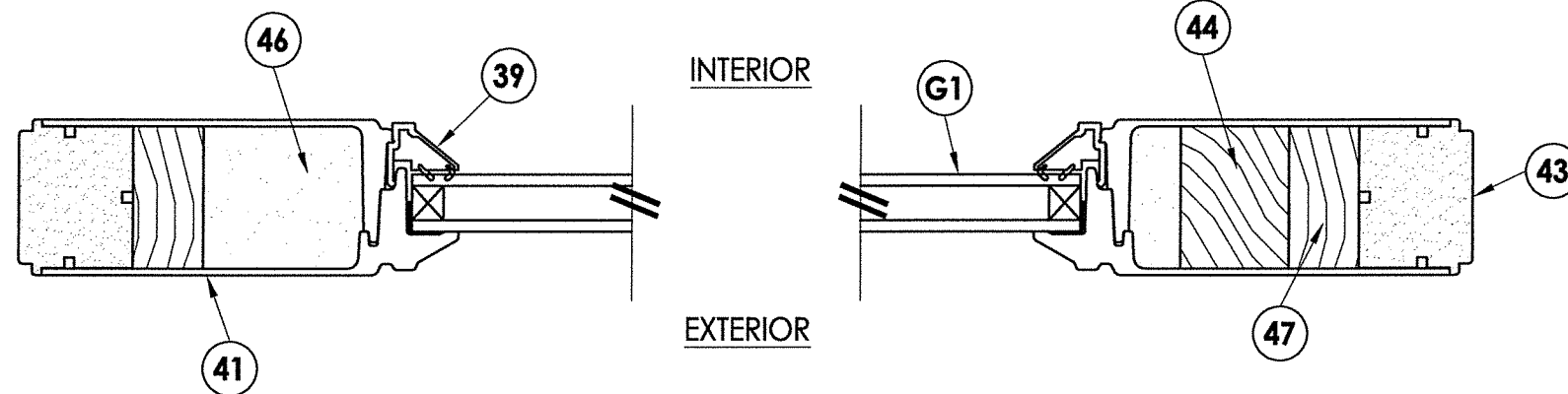
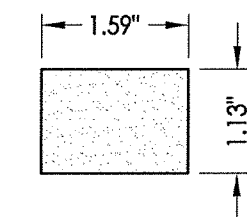
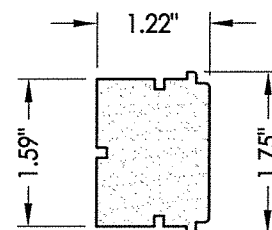




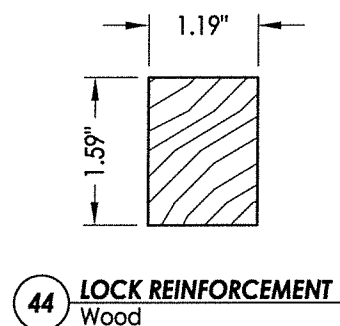
1 HORIZONTAL CROSS SECTION



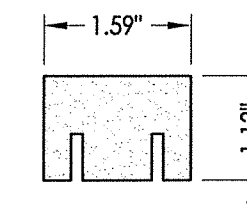
42 **TOP RAIL**
Cellular PVC



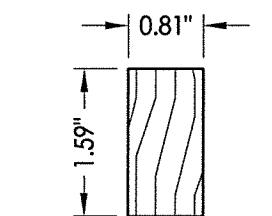
43 LATCH & HINGE STILE
Cellular PVC



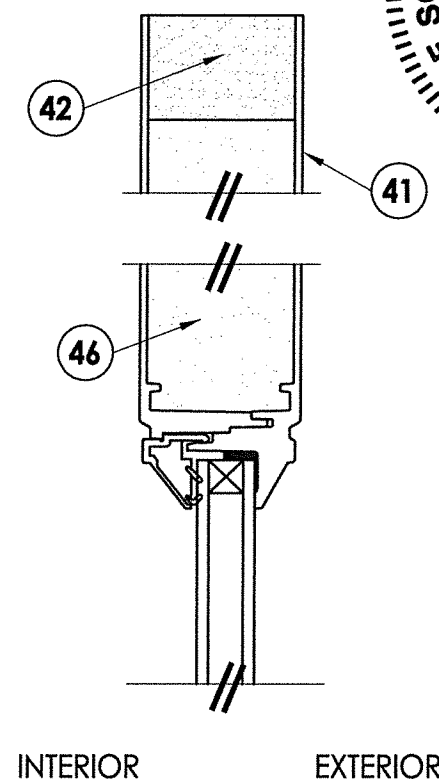
44 LOCK REINFORCEMENT



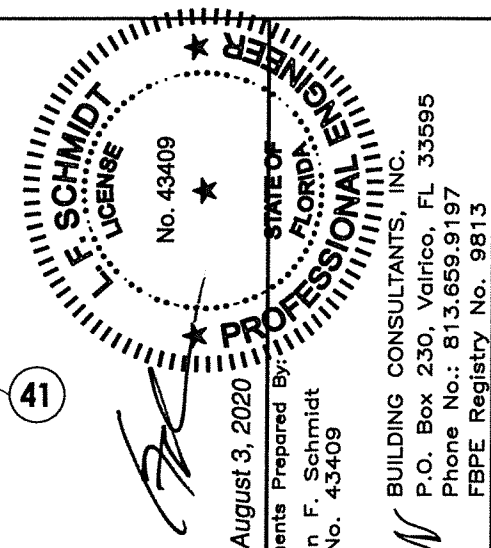
45 **BOTTOM RAIL**
Cellular PVC



47 LATCH & HINGE STILE
LVL wood reinforcement



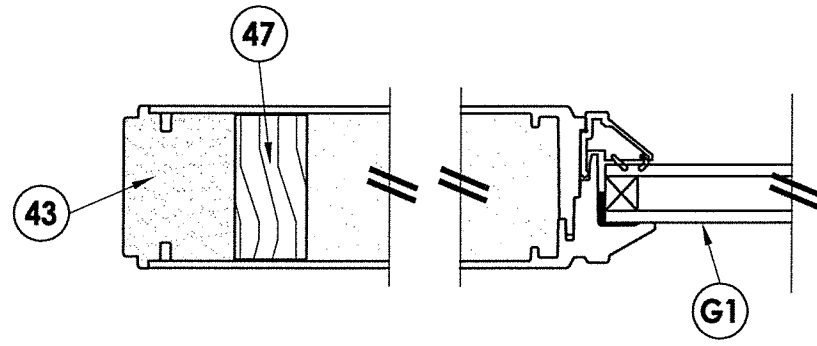
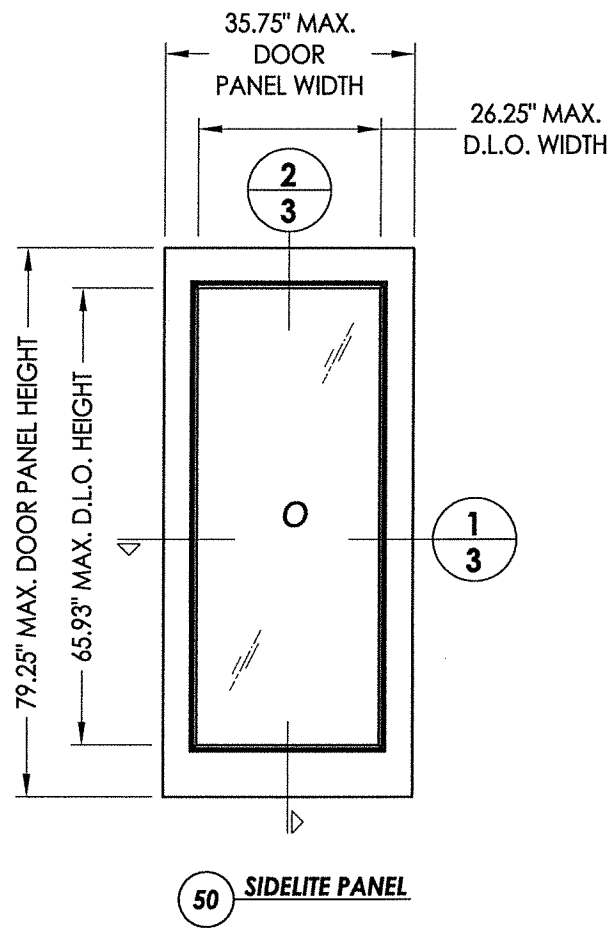
2 VERTICAL CROSS SECTION



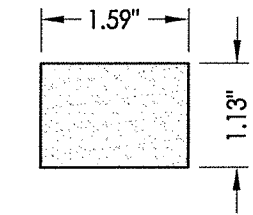
Documents Prepared By
Lyndon F. Schmidt
P.E. No. 43409

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

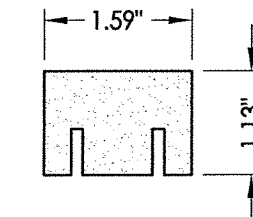
DATE: 09/22/15		PRODUCT: DOERS FIBERGLASS DOOR	
SCALE: N.T.S.		PART OR ASSEMBLY: DOOR PANEL DETAILS	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-19007.5			
SHEET 2 OF 11			



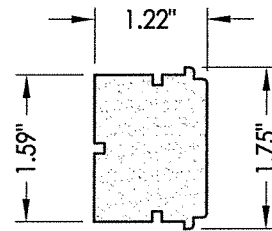
1/3 HORIZONTAL CROSS SECTION



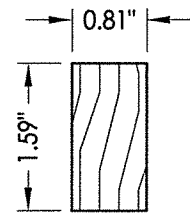
42 TOP RAIL
Cellular PVC



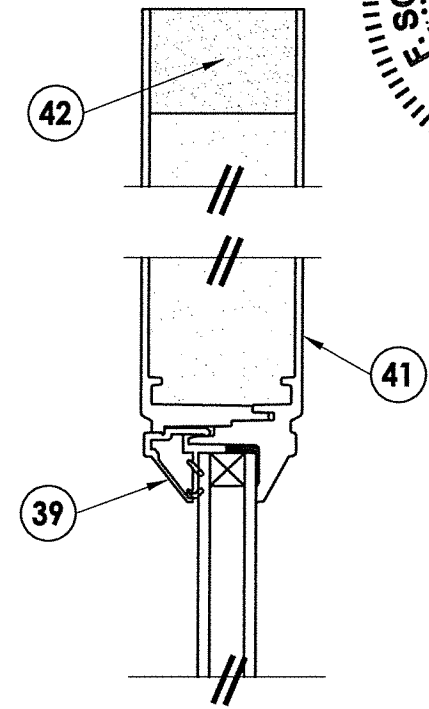
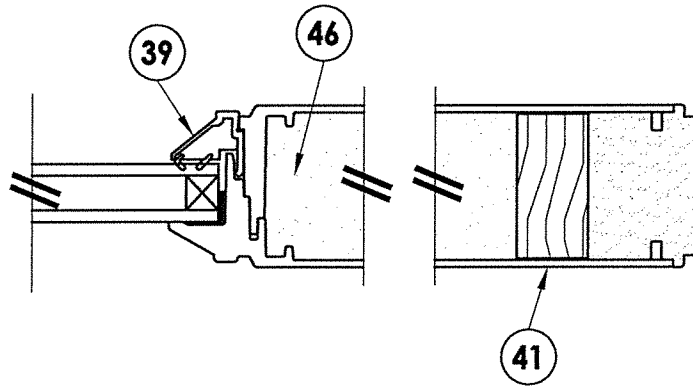
45 BOTTOM RAIL
Cellular PVC



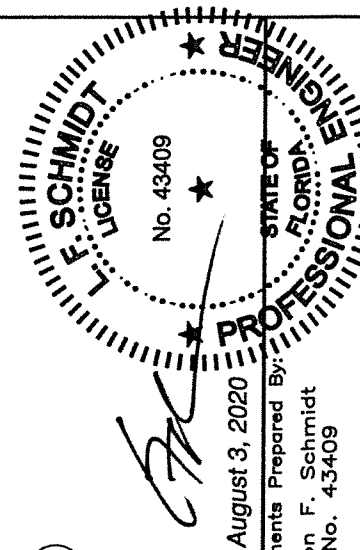
43 LATCH & HINGE STILE
Cellular PVC



47 LATCH & HINGE STILE
LVL wood reinforcement



2/3 VERTICAL CROSS SECTION



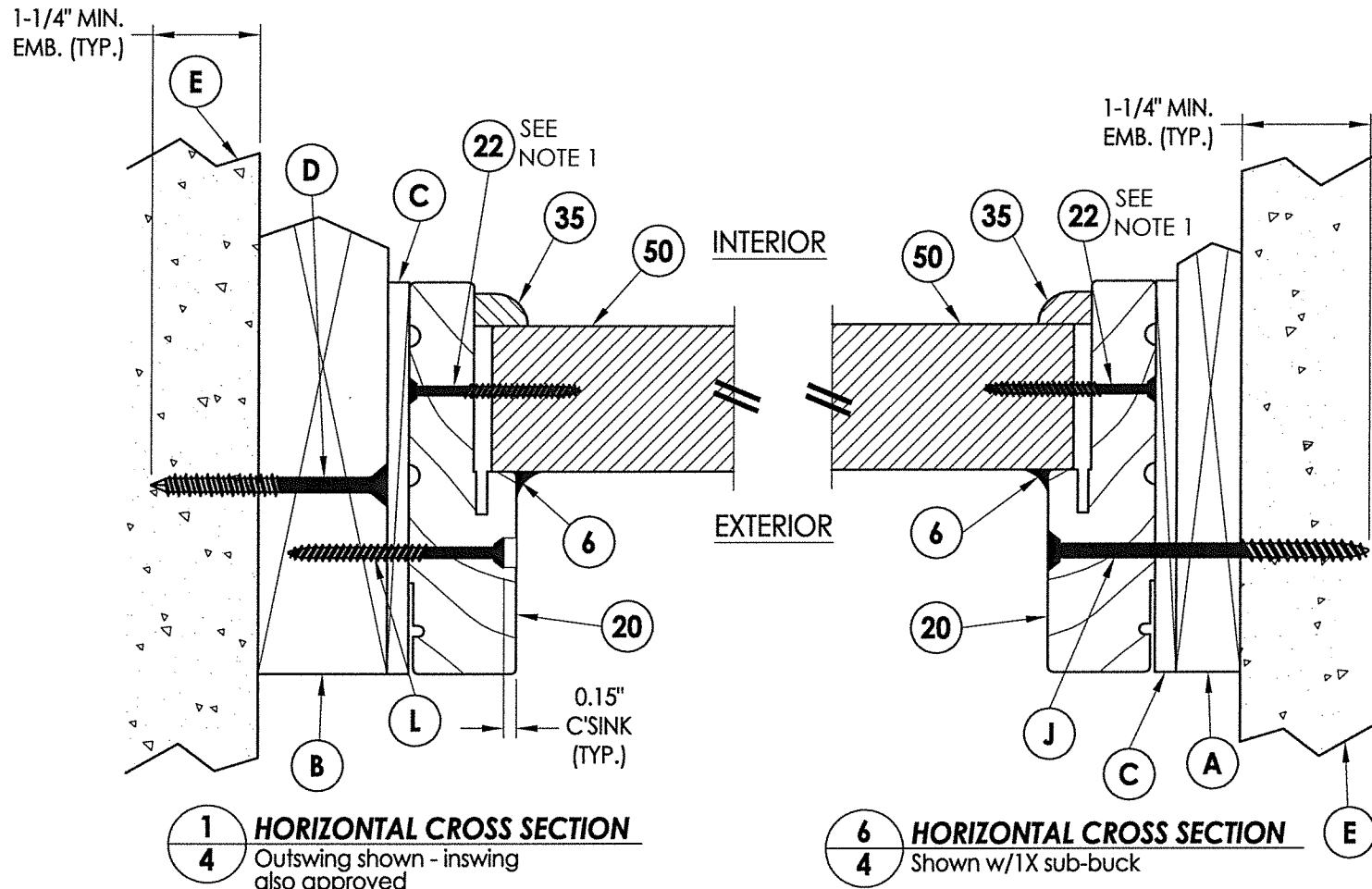
August 3, 2020

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

R.W. 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	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-19007.5			
SHEET 3 OF 11			

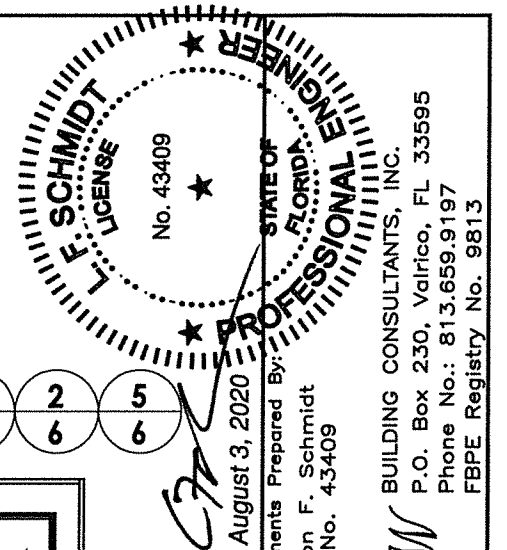
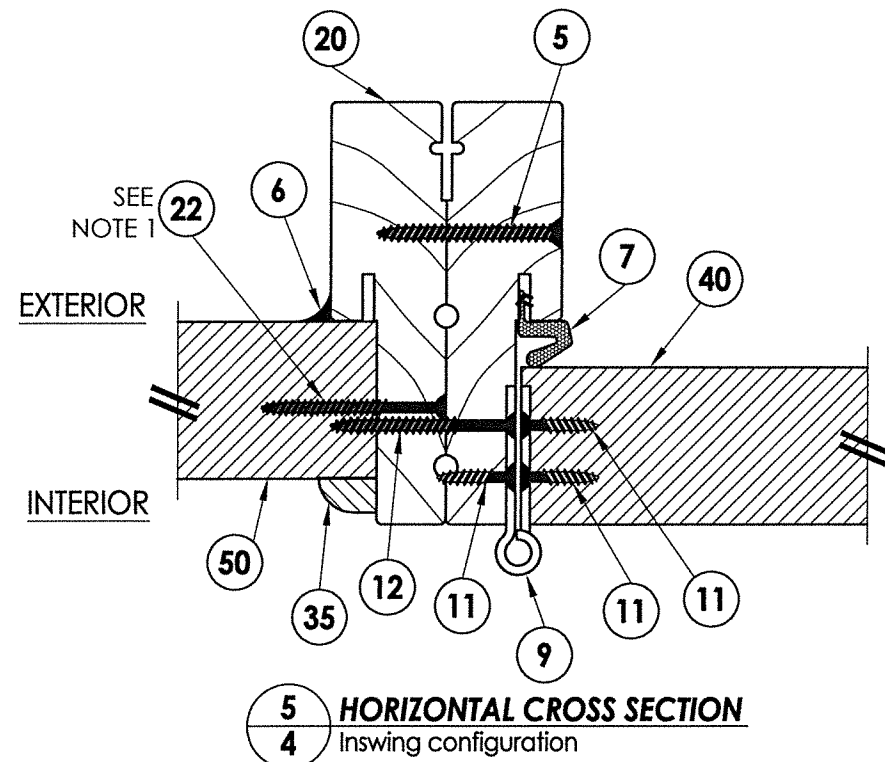
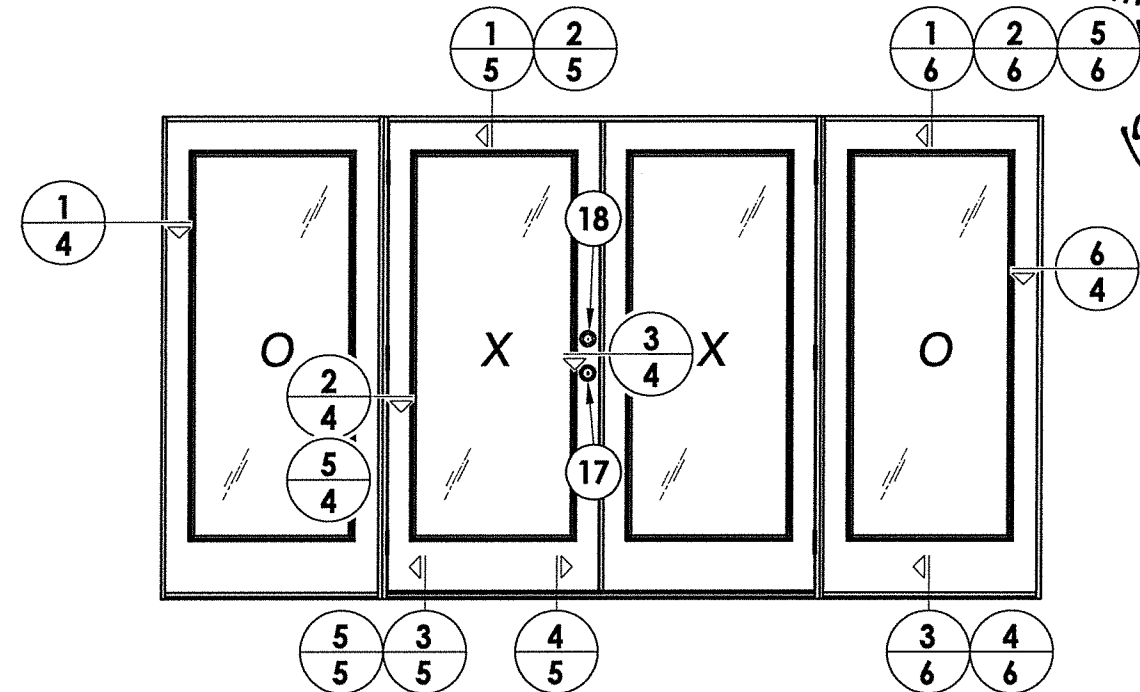
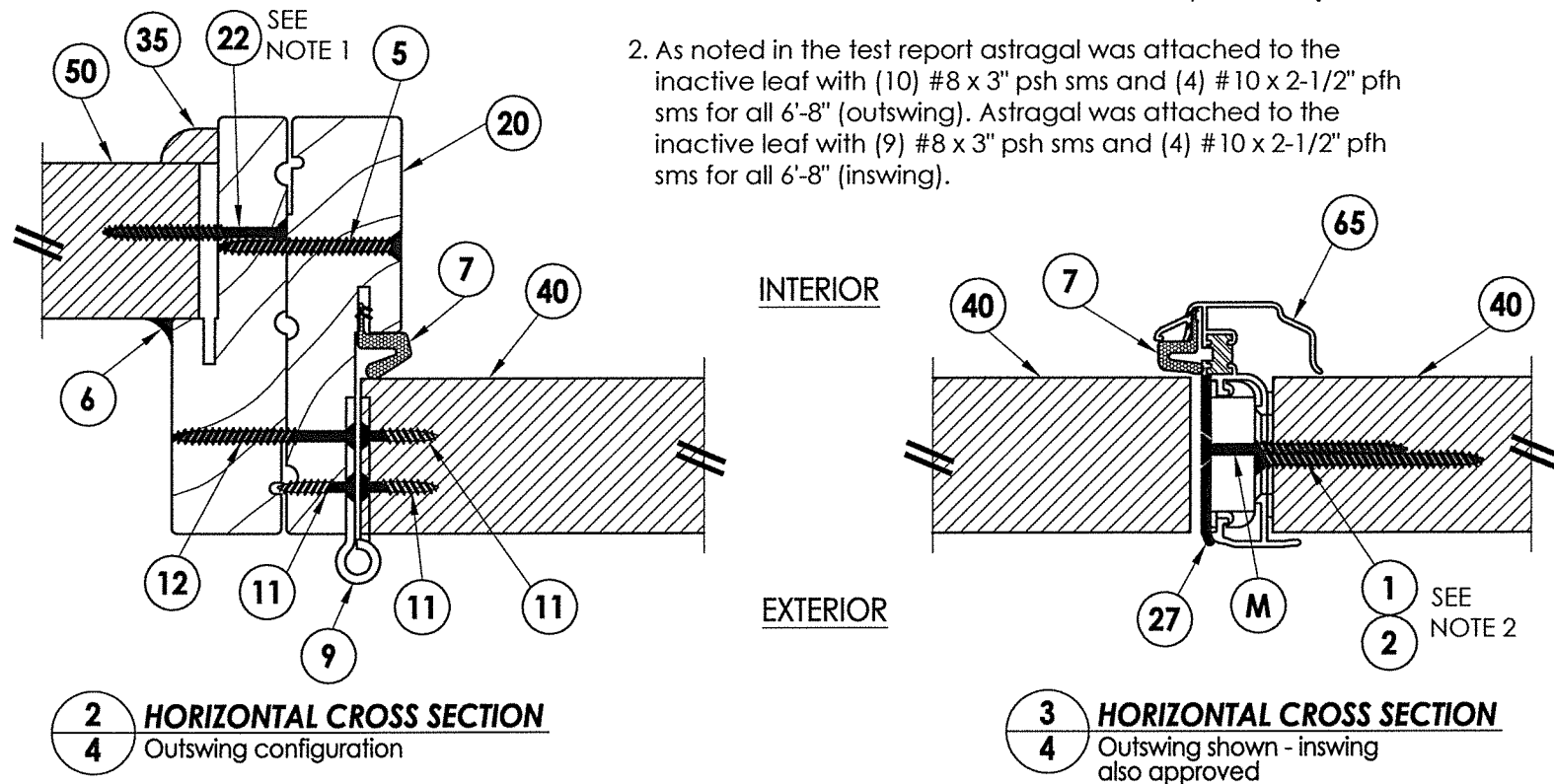
R:\Clients\Doors PERMANENTVA - Florida Product Approvals\FL-19007 Doors - Glazed\C - Drawings\FL 19007 (2020)\FL-19007.1-10.dwg, 4.5



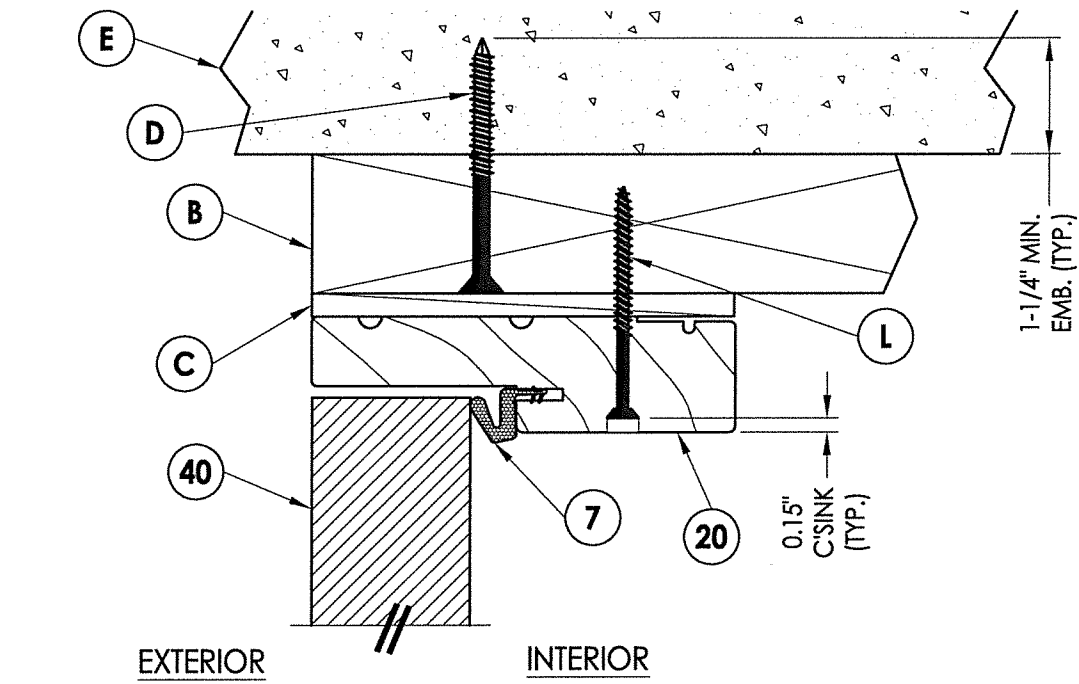
NOTES:

1. Sidelite panel secured to the sidelite frame with (4) of item #22 located 10", 30.5", 51" and 71.5" from top of each jamb.

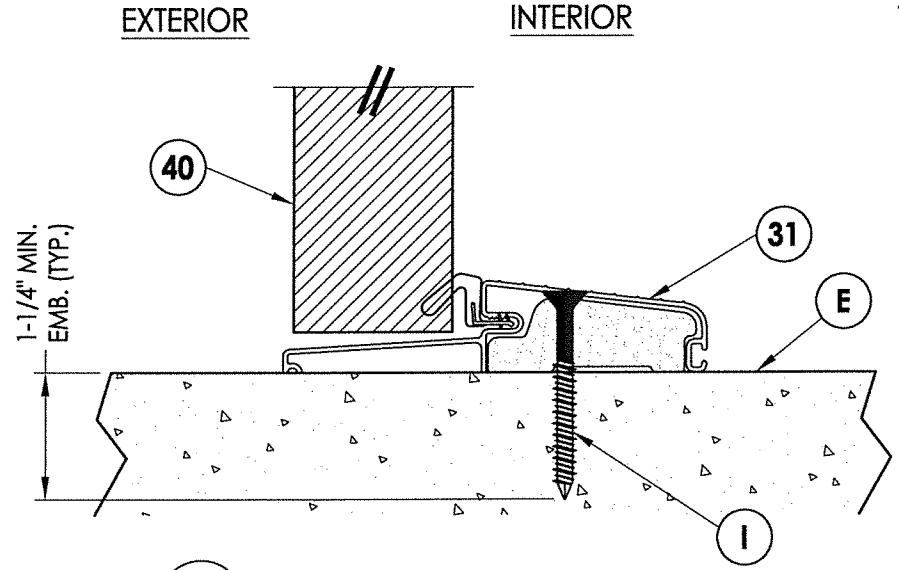
2. As noted in the test report astragal was attached to the inactive leaf with (10) #8 x 3" psh sms and (4) #10 x 2-1/2" pfh sms for all 6'-8" (outswing). Astragal was attached to the inactive leaf with (9) #8 x 3" psh sms and (4) #10 x 2-1/2" pfh sms for all 6'-8" (inswing).



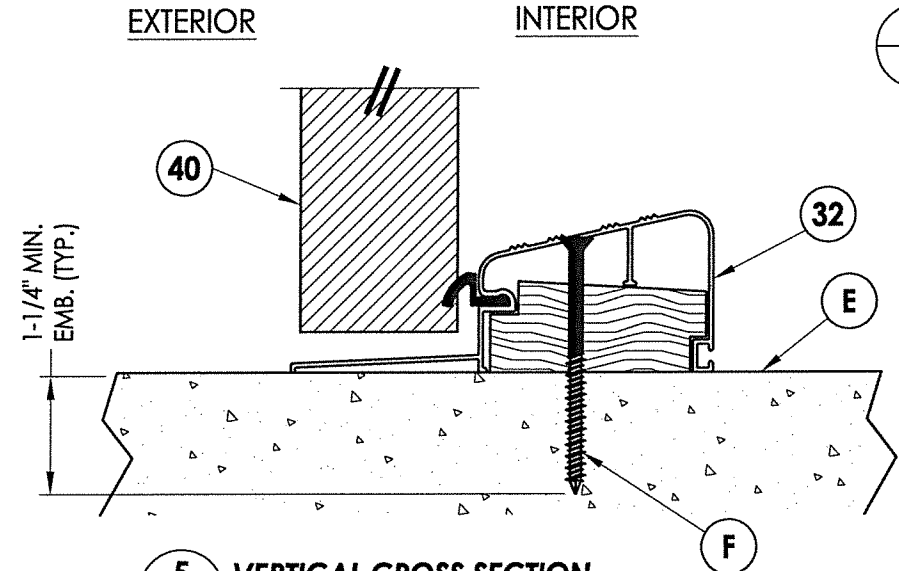
PRODUCT:		DOORS		FIBERGLASS DOOR	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS		REVISIONS	
NO.	DATE	BY	DATE	DESCRIPTION	REVISIONS
3	7/30/20	LFS	(2020) FBC	UPDATE TO 7TH ED.	
2	5/15/19	LFS	ADD STEEL STUD ANCHORING		
1	9/26/17	JK	(2017) FBC	UPDATE TO 6TH ED.	
NO.	DATE	BY	DATE	DESCRIPTION	REVISIONS
DATE:	09/22/15	SCALE:	N.T.S.	DWG. BY:	JK
CHK. BY:	LFS	DRAWING NO.:	FL-19007.5	SHEET	4 OF 11



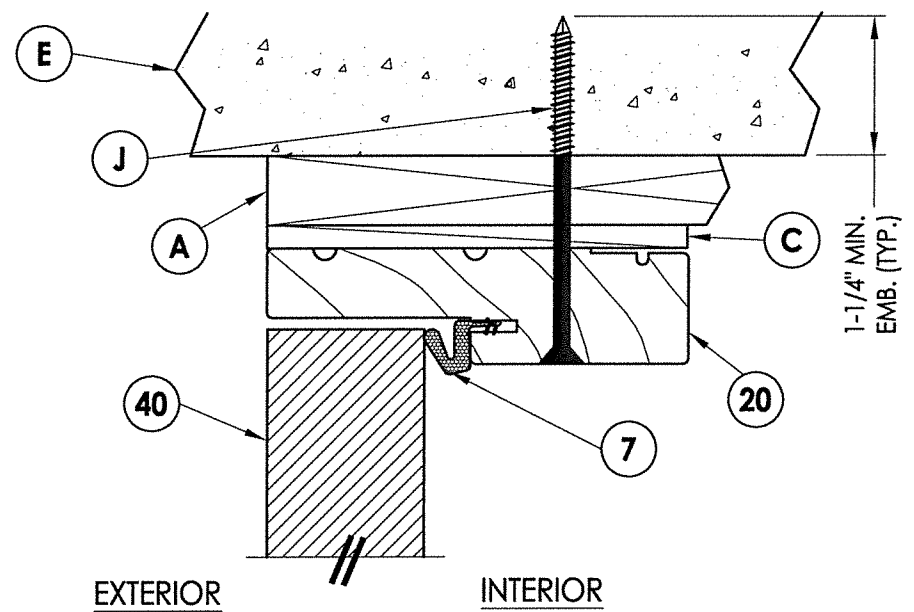
1 VERTICAL CROSS SECTION
5 Outswing shown - inswing also approved



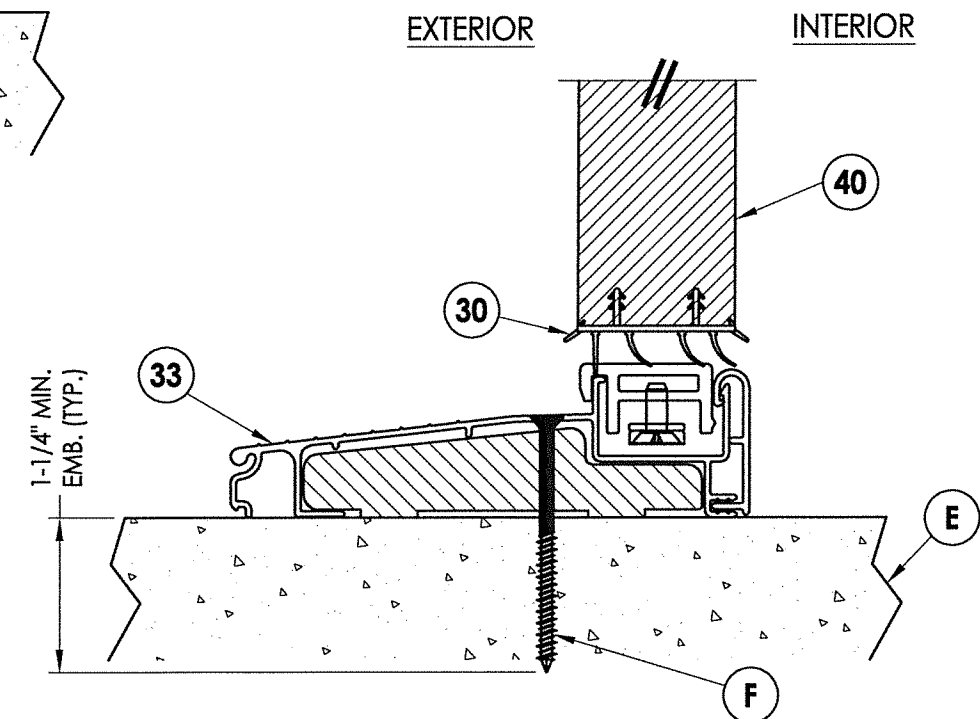
3 VERTICAL CROSS SECTION
5 Outswing configuration



5 VERTICAL CROSS SECTION
5 Outswing configuration
(Where water infiltration requirements are specified)



2 VERTICAL CROSS SECTION
5 Shown w/1X sub-buck

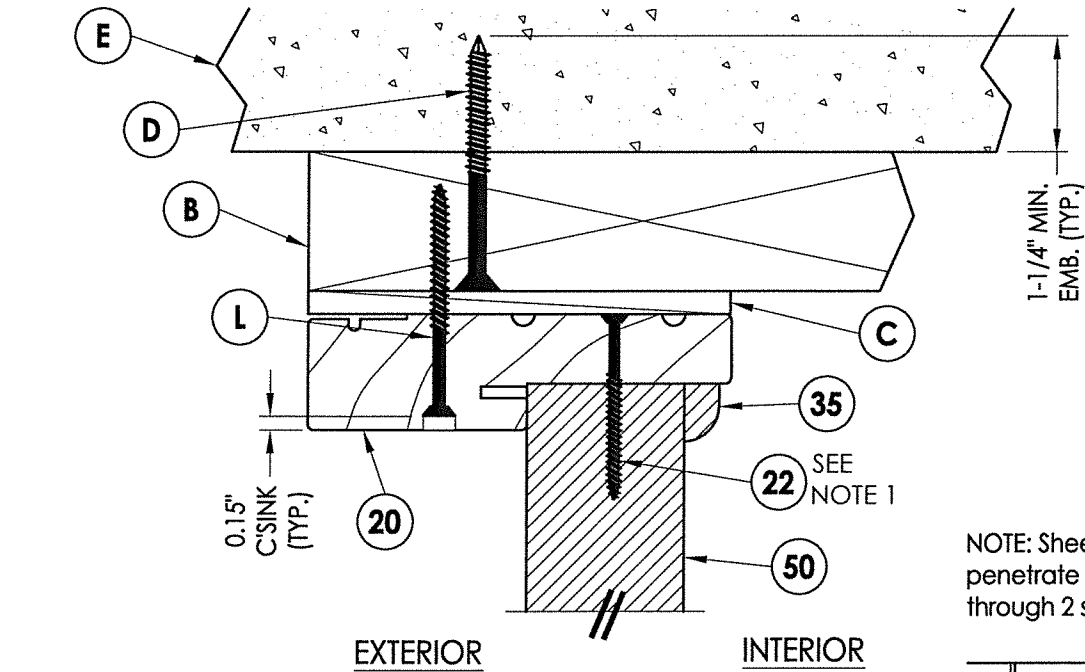


4 VERTICAL CROSS SECTION
5 Inswing configuration

August 3, 2020
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No. 43409
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P.E. LICENSE
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PROFESSIONAL ENGINEER
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

PRODUCT:		DOERS	
		FIBERGLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
		LFS	JK
		LFS	JK
		DATE	BY
		NO.	DATE
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
DATE: 09/22/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-19007.5			
SHEET 5 OF 11			

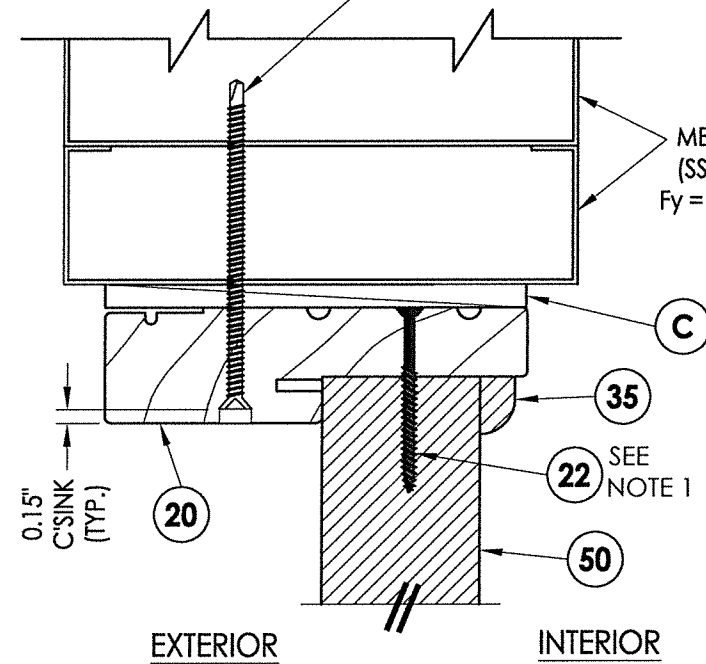
R:\Clients\Doors PERMANENTVA - Florida Product Approvals\FL-19007 Doors - Glazed\C - Drawings\FL 19007 (2020)\FL-19007.1-10.dwg, 6.5



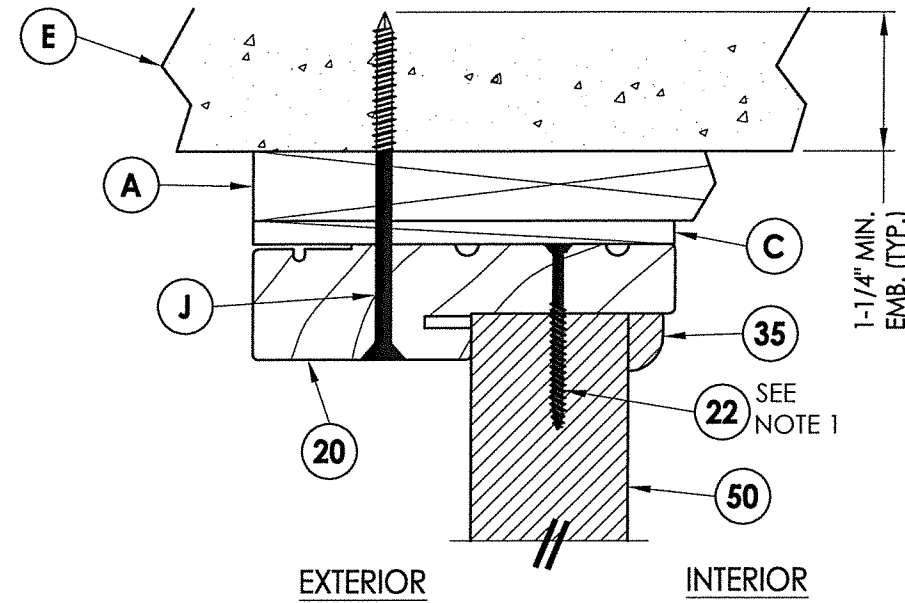
1 VERTICAL CROSS SECTION
6 Outswing shown - inswing also approved

NOTE:
1. Sidelite panel secured to the sidelite frame with (2) of item #22 in the head and sill 3" from each end.

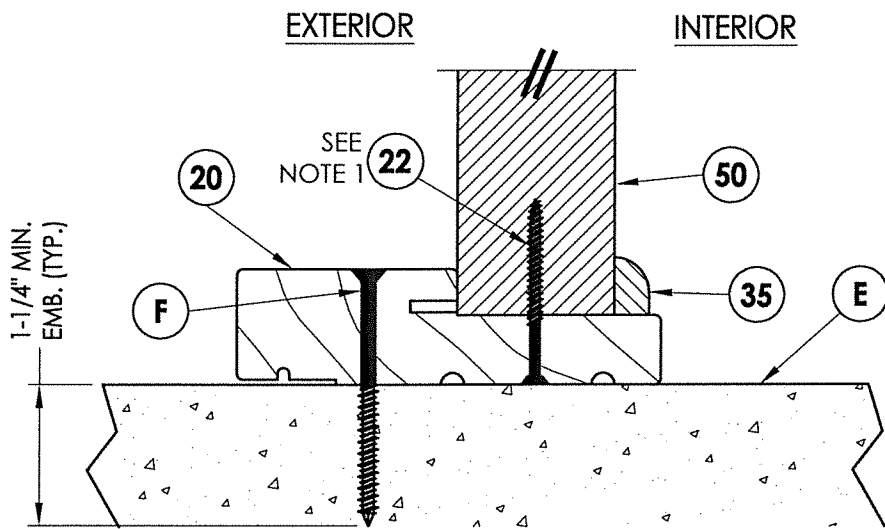
NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through 2 sheets of metal.



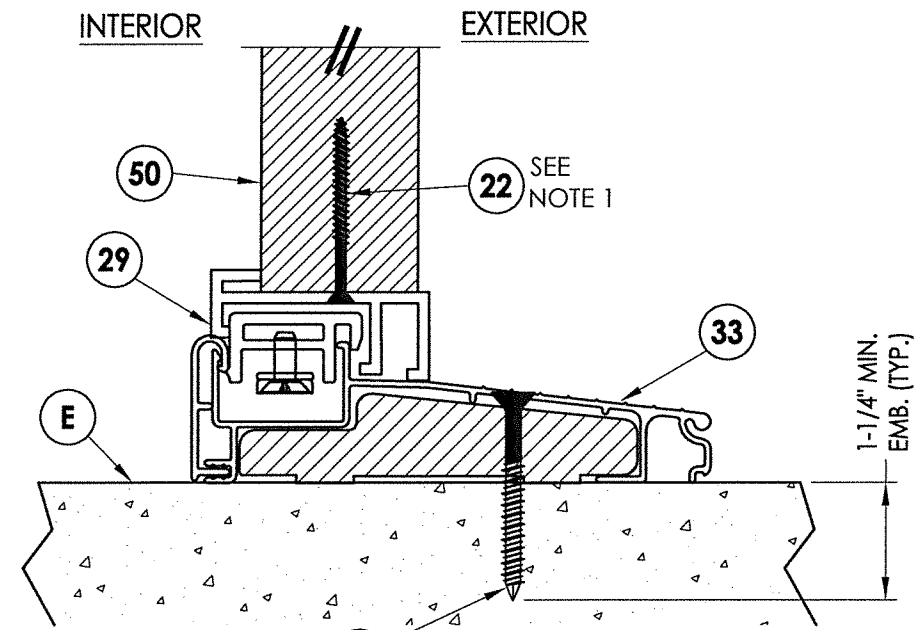
5 VERTICAL CROSS SECTION
6 Shown w/ Steel Stud Framing Option



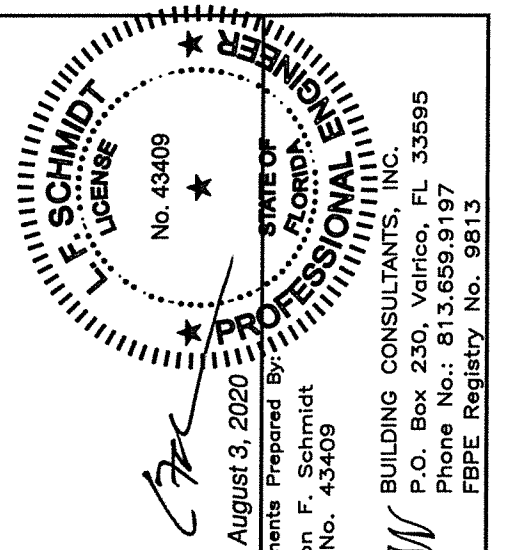
2 VERTICAL CROSS SECTION
6 Shown w/1X sub-buck



3 VERTICAL CROSS SECTION
6 Outswing configuration

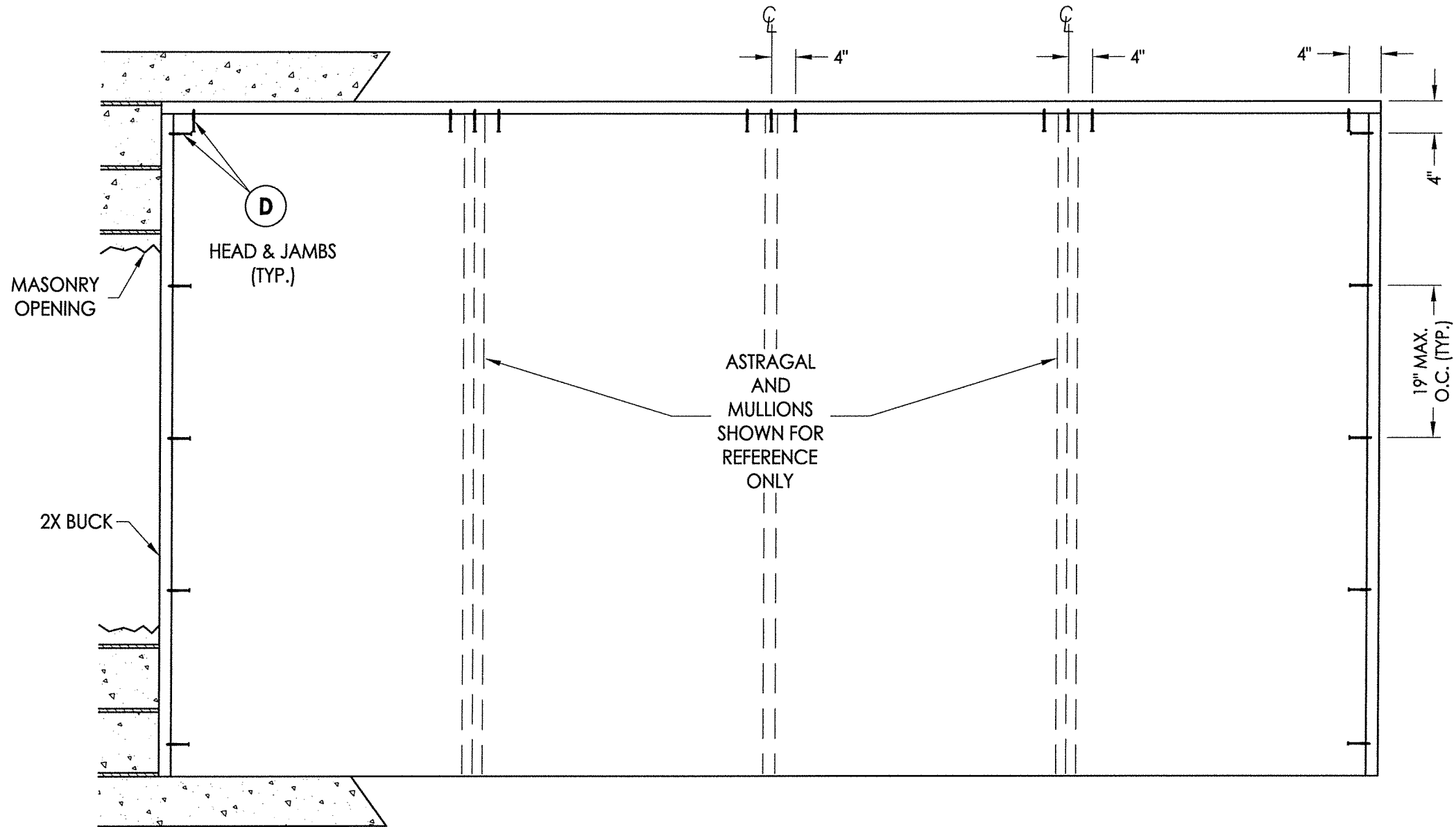


4 VERTICAL CROSS SECTION
6 Inswing configuration



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

PRODUCT:		DOORS		FIBERGLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS		REVISIONS	
NO.	DATE	DESCRIPTION	BY	DATE	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		
1					
DATE: 09/22/15					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-19007.5					
SHEET 6 OF 11					

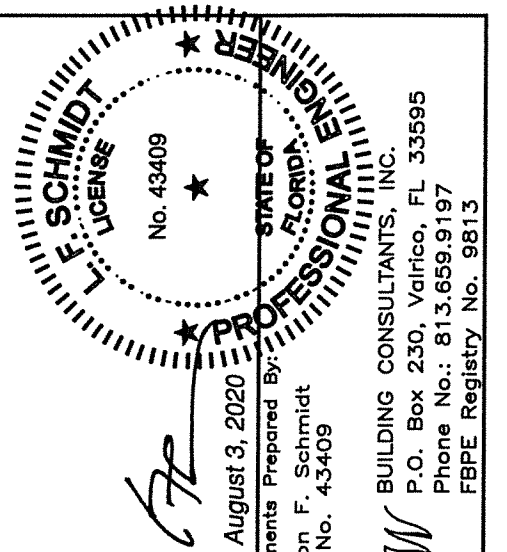


BUCK ANCHORING

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



August 3, 2020

Documents Prepared B

Lyndon F. Schmidt
B.E. No. 43400

Real BUILDING

Mr.
P.O. Box

Phone No.

FBPE Regi

PRODUCT:

DOERS

PART OR ASSEMBLY:

BUCK ANCHORING

DOING YOUR OWN THING

--	--	--	--

[illegible]

2	5/15/19	ADD STEEL STUD ANCHORING	LFS
---	---------	--------------------------	-----

1	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK
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NO.	DATE	BY
REVISIONS		

CONSULTANTS INC.
REVISIONS

DATE: 09/22/15

SCALE: N.T.S.

DWG. BY: JK

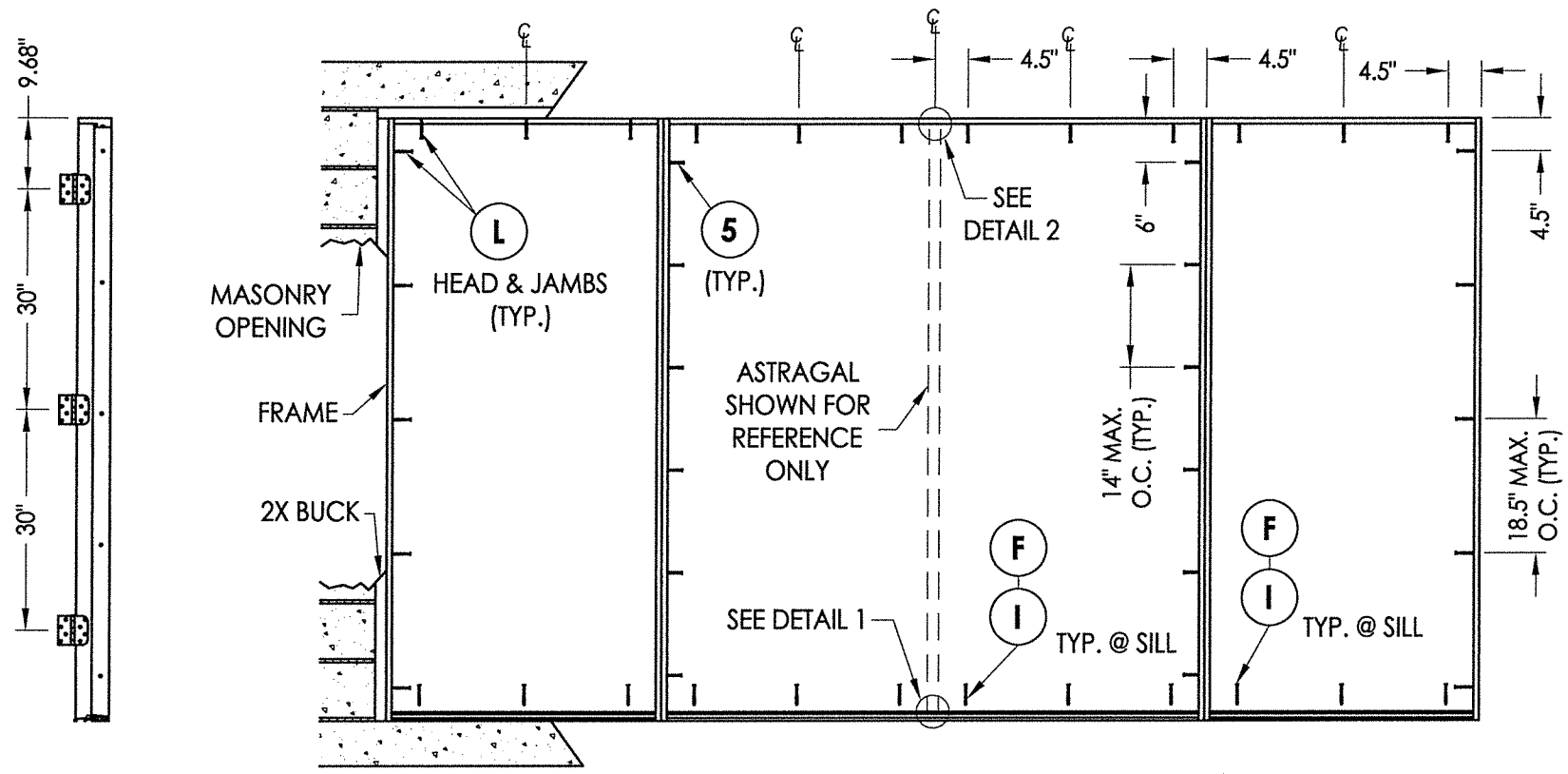
CHK. BY: LFS

DRAWING NO.:

FL-19007.5

SHEET 7 OF 11

R:\Clients\Doors PERMANENT\A - Florida Product Approvals\FL-19007 Doors - Glazed\C - Drawings\FL 19007 (2020)\FL-19007.1-10.dwg, 8.5

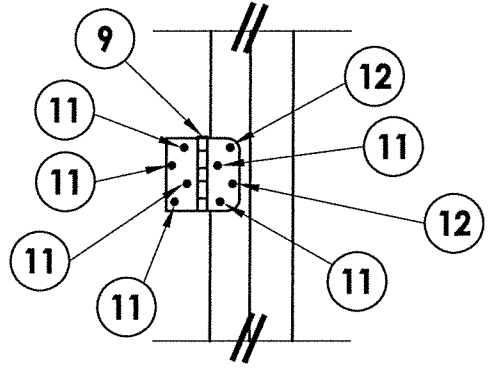


HINGE JAMB

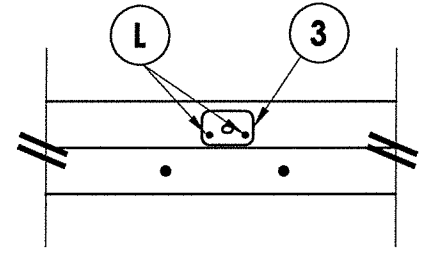
FRAME ANCHORING
Masonry 2X buck construction

ASTRAGAL STRIKE JAMB

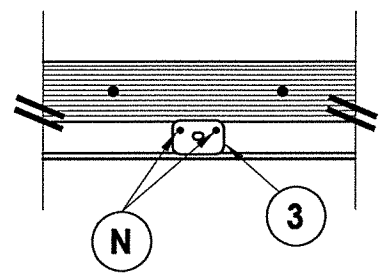
LATCH & DEADBOLT DETAIL



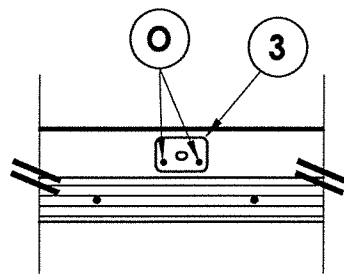
HINGE DETAIL



DETAIL 2



DETAIL 1
Inswing configuration



DETAIL 1
Outswing configuration

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:

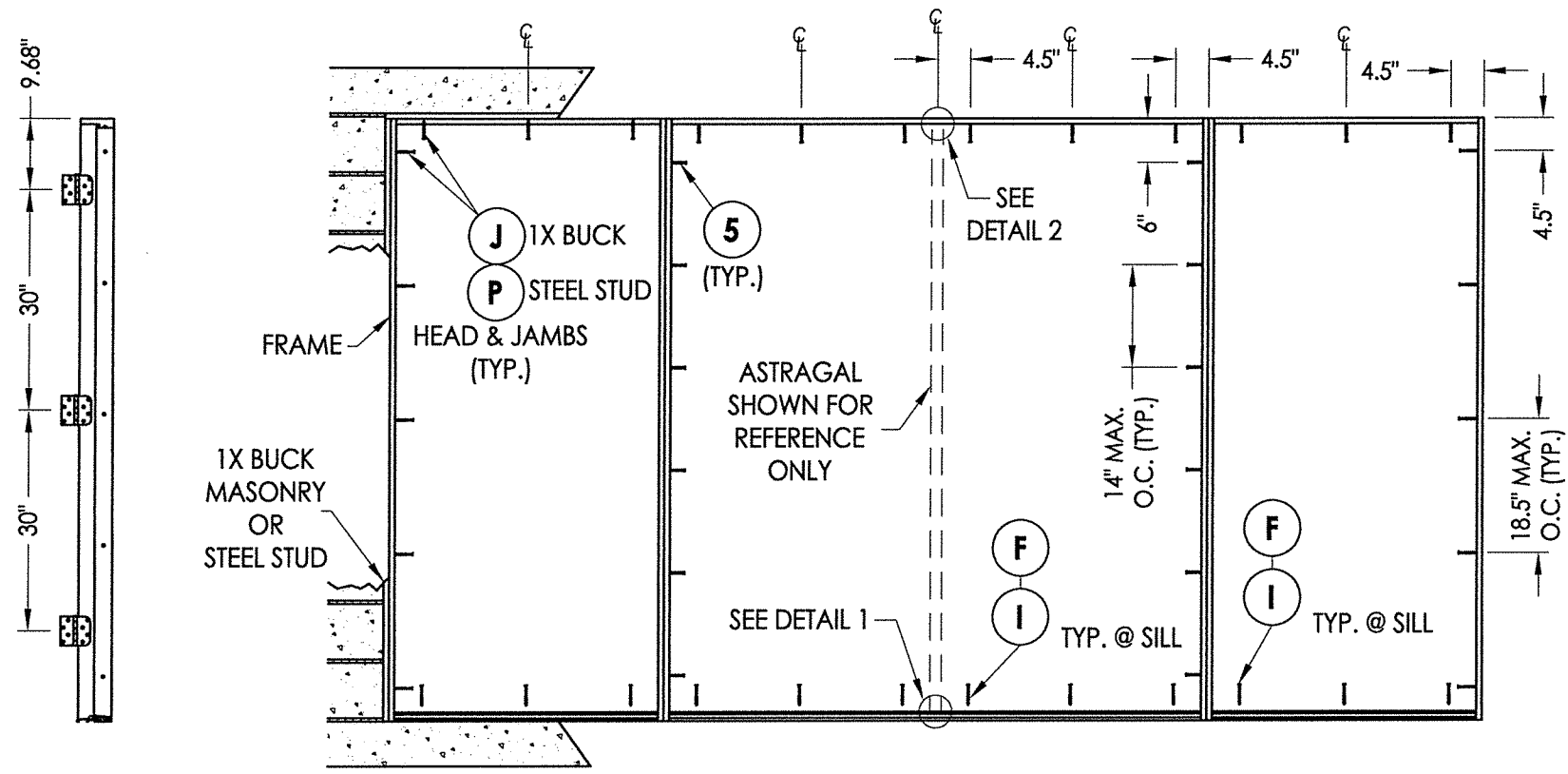
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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
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No. 43409
FL SCHMIDT
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STATE OF FLORIDA
PROFESSIONAL ENGINEER
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		DOERS FIBERGLASS DOOR	
PART OR ASSEMBLY:		FRAME ANCHORING 2X BUCK MASONRY CONSTRUCTION	
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-19007.5			
SHEET 8 OF 11			

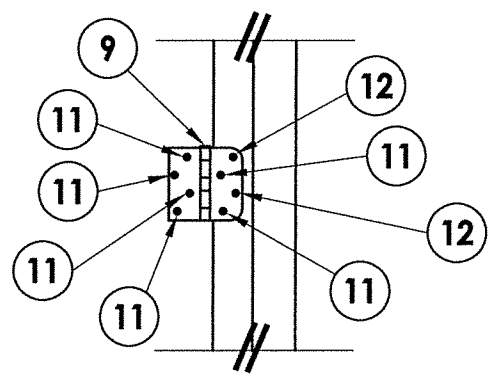


HINGE JAMB

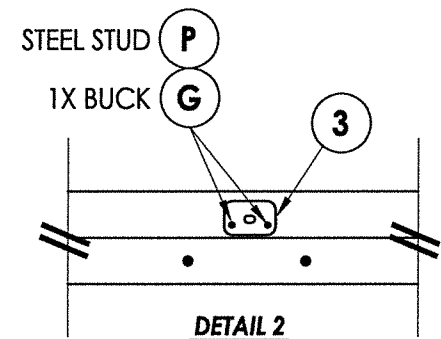
FRAME ANCHORING
Masonry 1X buck Construction
Steel Stud Construction

ASTRAGAL STRIKE JAMB

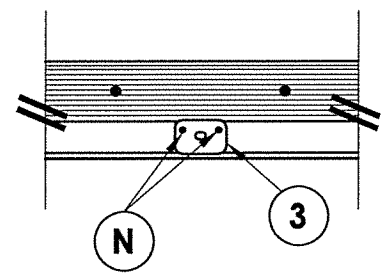
LATCH & DEADBOLT DETAIL



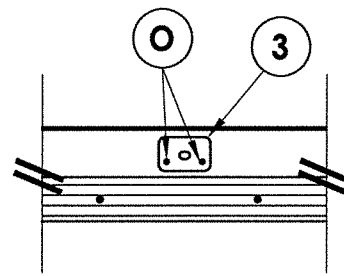
HINGE DETAIL



DETAIL 2



DETAIL 1
Inswing configuration



DETAIL 1
Outswing configuration

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 ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

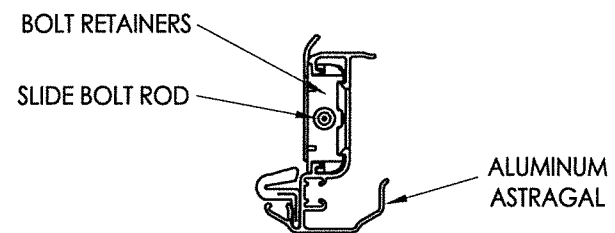
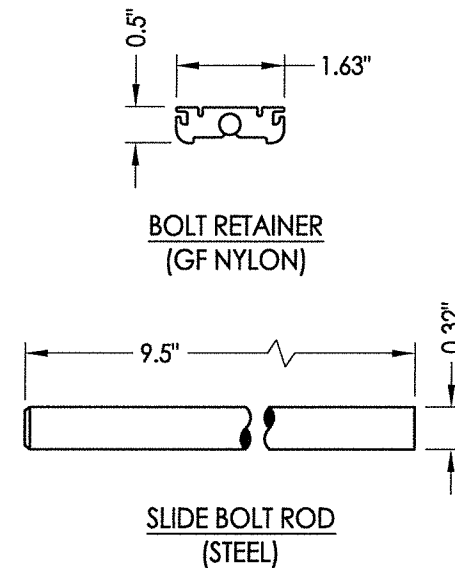
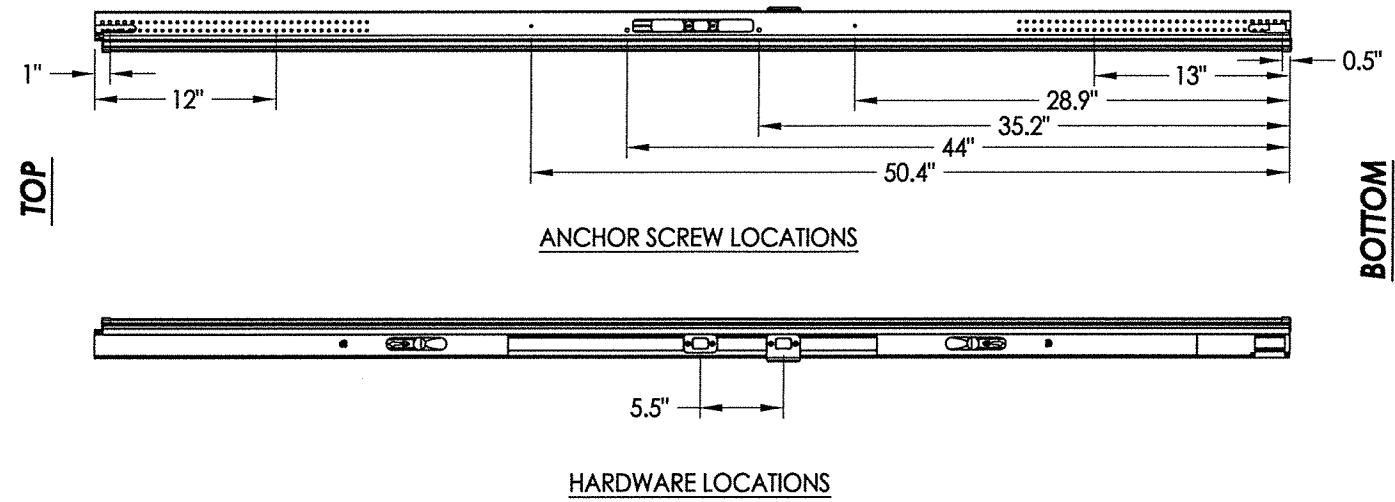
WOOD SCREW INSTALLATION NOTES:

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

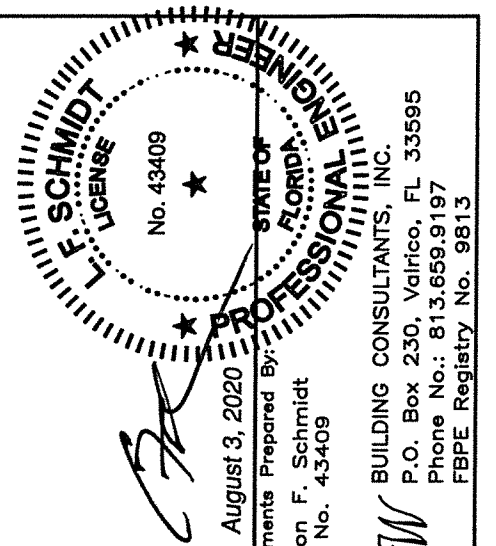
Professional Engineer
F. SCHMIDT
License No. 43409
August 3, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	DOERS FIBERGLASS DOOR
PART OR ASSEMBLY:	FRAME ANCHORING 1X BUCK MASONRY CONSTRUCTION
DATE:	09/22/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-19007.5
SHEET	9 OF 11

65 ALUMINUM ASTRAGAL



ALUMINUM ASTRAGAL ASSEMBLY



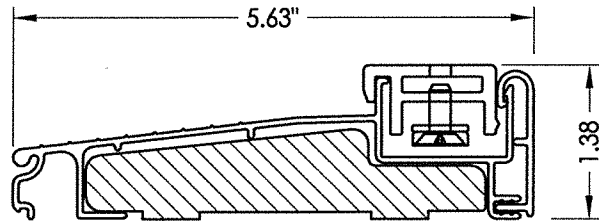
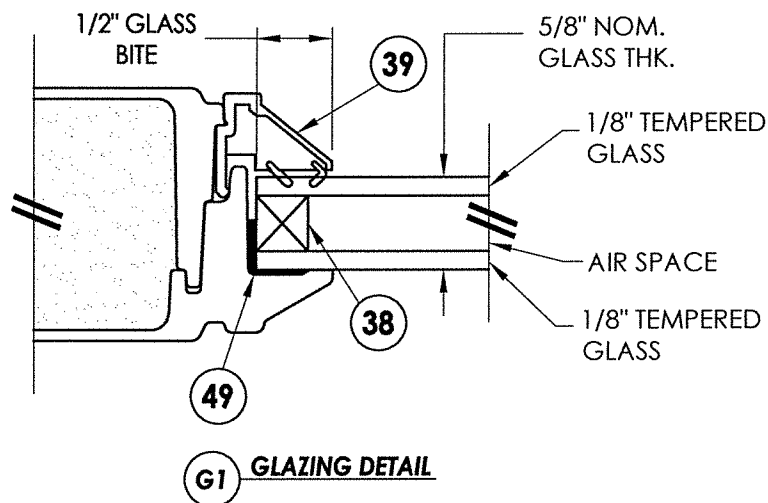
Documents Prepared By
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING (
P.O. Box 3
Phone No.
FBPE Regi

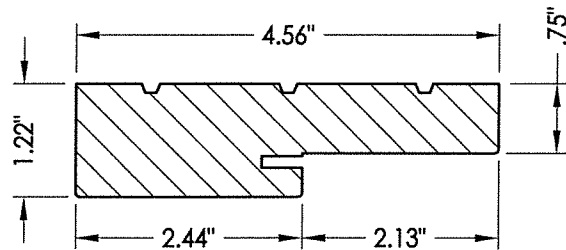
PRODUCT:	DOERS FIBERGLASS DOOR
PART OR ASSEMBLY:	ENDURA ASTRAGAL DETAILS

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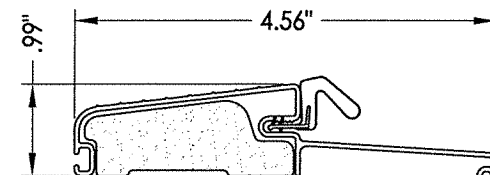
BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD	20	FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS	WOOD
B	2X BUCK SG >= 0.55	WOOD	22	#8 X 2" PFH WOOD SCREW	STEEL
C	1/4" MAX. SHIM SPACE	-	27	LATCH STRIKE PLATE	STEEL
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL	28	DEADBOLT STRIKE PLATE	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	29	SIDELITE SPACER	PVC
			30	WEATHER-STOP 3647 HOLM INDUSTRIES	VINYL
F	1/4" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL	31	OUTSWING BUMP THRESHOLD	ALUM. / PVC
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL	32	OUTSWING HIGH DAM BUMP THRESHOLD	ALUM. / WOOD
I	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL	33	INSWING ADJUSTABLE THRESHOLD	ALUM. / WOOD
J	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL	35	SHOE MOULD 5/8" X 3/8"	WOOD
L	#10 X 2-1/2" PFH WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL	38	GLAZING SPACER	ALUM.
M	#9 X 2-1/4" PFH WOOD SCREW	STEEL	39	GLAZING BEAD	PVC
N	3/16" X 3-1/2" PFH ITW CONCRETE SCREW	STEEL	40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
O	3/16" X 1-1/2" PFH ITW CONCRETE SCREW	STEEL	41	DOOR SKIN (MIN. 0.075" THICK)	FIBERGLASS
P	#10-16 PFH SELF-DRILLING SMS	STEEL	42	TOP RAIL	CELLULAR PVC
1	#10 X 2-1/2" PFH SMS	STEEL	43	LATCH & HINGE STILE	CELLULAR PVC
2	#8 X 3" PSH SMS	STEEL	44	LOCK REINFORCEMENT	WOOD
3	FLUSH BOLT STRIKE PLATE	STEEL	45	BOTTOM RAIL	CELLULAR PVC
5	#10 X 2" PFH SCREW	STEEL	46	POLYURETHANE FOAM	POLYURETHANE
6	SEALANT	SILICONE	47	CONTINUOUS LATCH & HINGE STILE REINFORCEMENT	WOOD
7	Q-LON 650 WEATHERSTRIP SCHLEGEL	FOAM	49	GLAZING COMPOUND DOW 995	SILICONE
9	4" X 4" BUTT HINGE	STEEL	50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
11	#9 X 3/4" PFH WOOD SCREW	STEEL	65	ASTRAGAL (ENDURA)	ALUMINUM
12	#9 X 2" PFH WOOD SCREW	STEEL			
17	KWIKSET KEYED ENTRY - SIGNATURE SERIES	STEEL			
18	KWIKSET DEADBOLT - SIGNATURE SERIES (780)	STEEL			



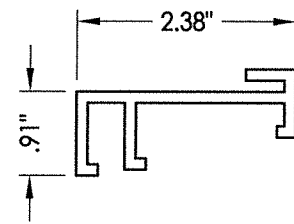
33 ADJUSTABLE INSWING THRESHOLD



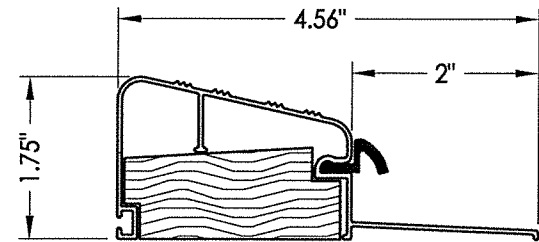
20 HEAD & SIDE
Jamb



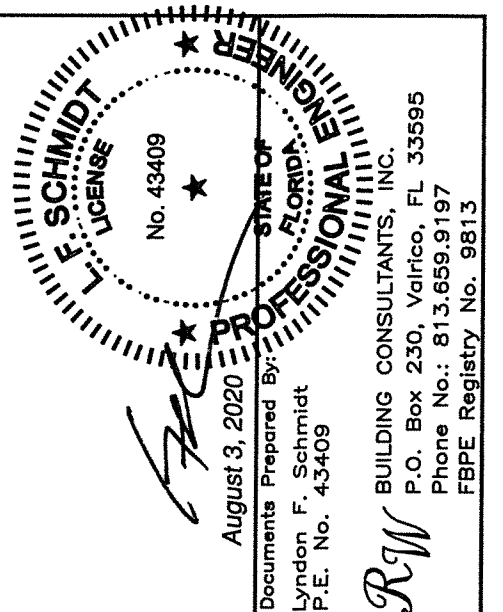
31 OUTSWING BUMP THRESHOLD



29 SIDELITE SPACER



32 OUTSWING HIGH DAM BUMP THRESHOLD
DLP (QOSR)



DATE: 09/22/15										PRODUCT:		DOERS FIBERGLASS DOOR		PART OR ASSEMBLY: BILL OF MATERIALS, GLAZING DETAIL & COMPONENTS	
SCALE: N.T.S.															
DWG. BY: JK															
CHK. BY: LFS															
DRAWING NO.: FL-19007.5															
SHEET 11 OF 11															
				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	