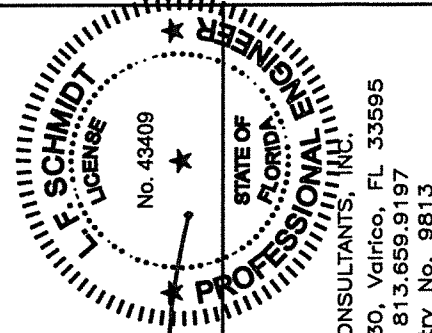
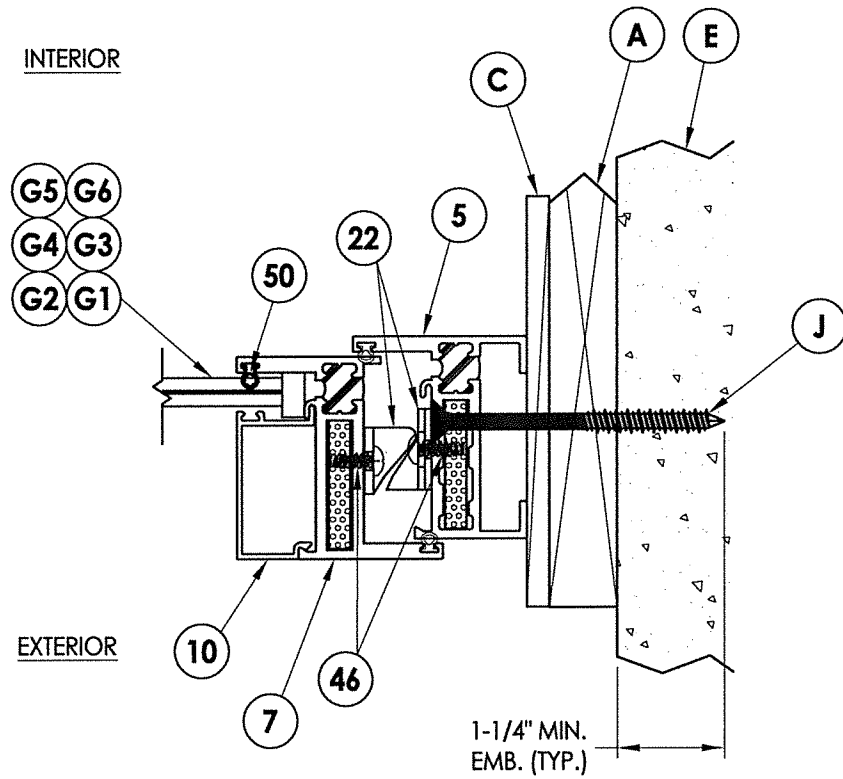


HARDWARE TABLE			
<b>HINGE</b>			
Qty.	Description	Height	Snubbers
5	Butt hinge	≤ 81.75"	Not Req'd
4	Butt hinge	≤ 81.75"	Yes (2)
2	Butt hinge	≤ 50"	Yes (2)
2	4 Bar hinge	≤ 65"	Yes (3)
<b>HANDLES</b>			
Points	Description	Height	*Cam locks can be used in conjunction with multipoint lock or in lieu of multipoint locks
4	Multipoint	> 72"	
3	Multipoint	≤ 72"	
Qty.			
3	Cam*	≤ 65"	
1	Cam*	≤ 50"	

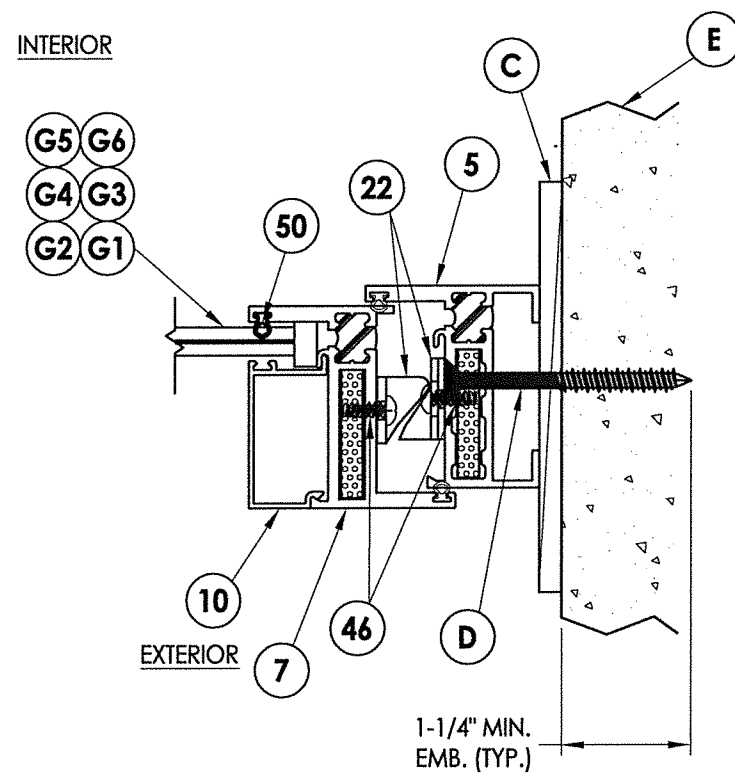


December 7, 2021  
 Documents Prepared By:  
 Lyndon F. Schmidt  
 P.E. No. 43409  
 R.W. BUILDING CONSULTANTS, INC.  
 P.O. Box 230, Valrico, FL 33595  
 Phone No.: 813.659.9197  
 FBPE Registry No. 9813

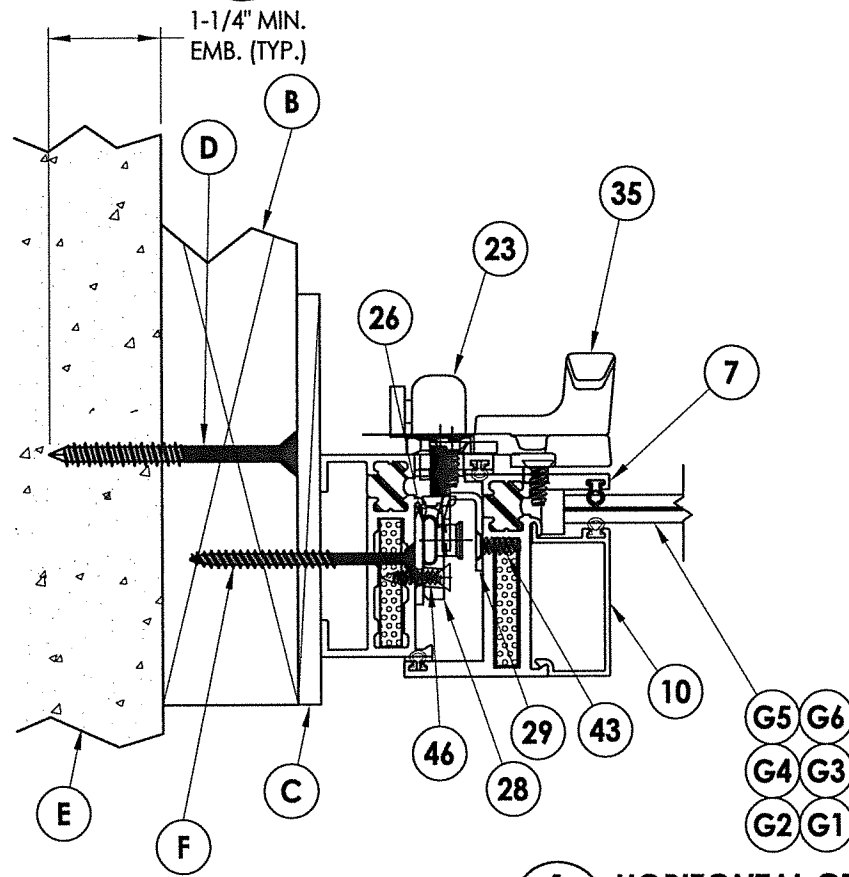
PRODUCT:		FLEETWOOD WINDOWS AND DOORS	
PART OR ASSEMBLY:		ELEVATIONS	
NO.	DATE	BY	REVISIONS
5	12/7/21	LFS	SERIES NAME CHANGE
4	8/06/20	DAC	UPDATE TO 7th ED. (2020) FBC
3	8/07/17	LFS	UPDATE TO 6TH ED. (2017) FBC
2	8/22/16	LFS	RENUMBER DRAWINGS
1	8/06/17	LFS	UPDATE TO 5TH ED. (2014) FBC
DATE: 10/23/13			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14904.10			
SHEET 2 OF 8			



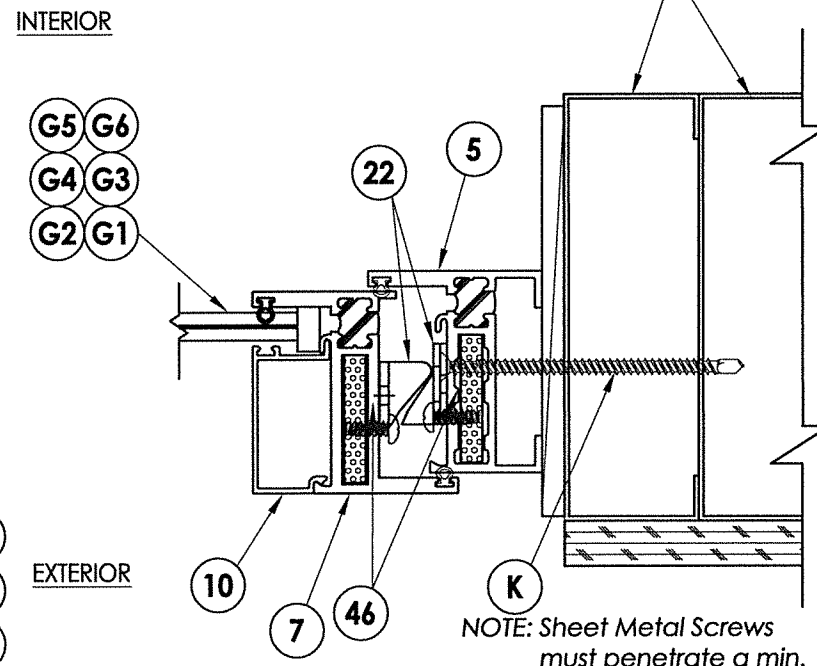
**2** HORIZONTAL CROSS SECTION  
**3** Shown w/ 1X Sub buck option



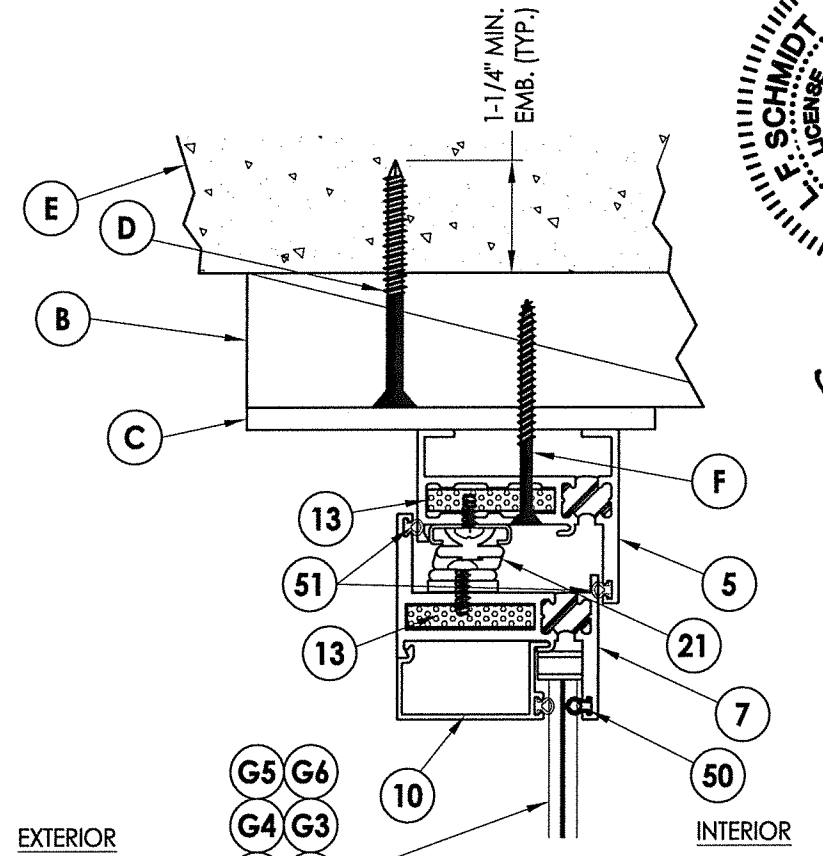
**3** HORIZONTAL CROSS SECTION  
**3** Shown w/ Direct to Masonry option



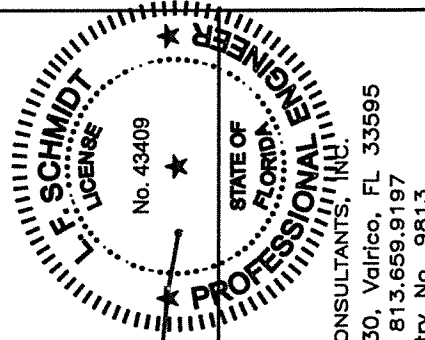
**1** HORIZONTAL CROSS SECTION  
**3** Show w/ 2X Buck and Steel Stud options



NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal.



**4** VERTICAL CROSS SECTION  
**3** Shown w/ 2X Buck Construction



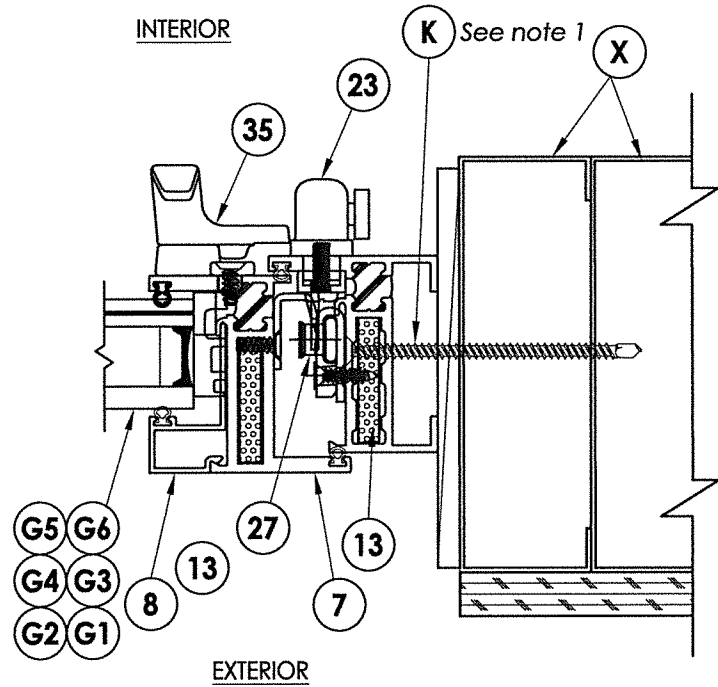
December 7, 2021  
 Documents Prepared By:  
 Lyndon F. Schmidt  
 P.E. No. 43409

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

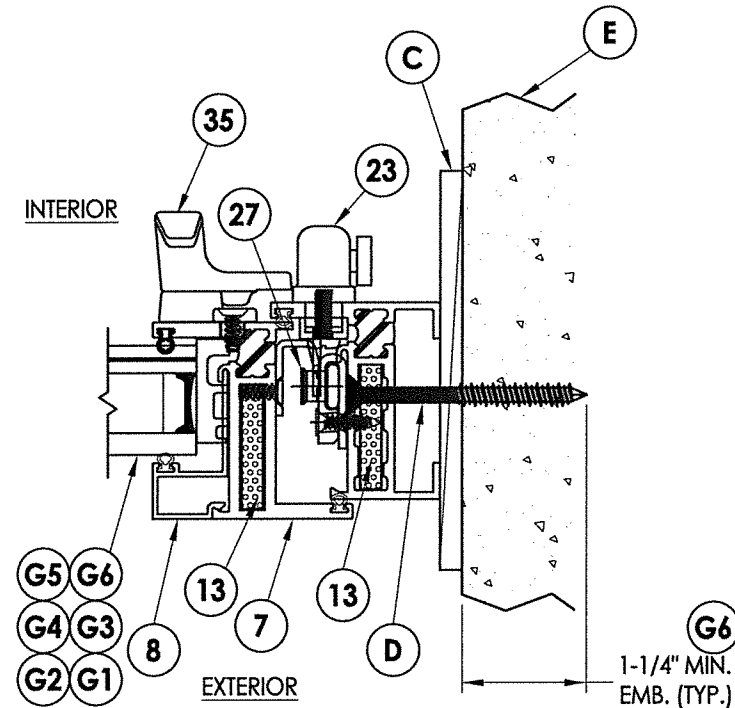
PRODUCT:  
 FLEETWOOD WINDOWS AND DOORS  
 PART OR ASSEMBLY:  
 HORIZONTAL AND VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY
5	12/7/21	SERIES NAME CHANGE	LFS
4	8/06/20	UPDATE TO 7th ED. (2020)	DAC
3	8/07/17	UPDATE TO 6TH ED. (2017)	LFS
2	8/22/16	RENUMBER DRAWINGS	LFS
1	8/06/17	UPDATE TO 5TH ED. (2014)	LFS

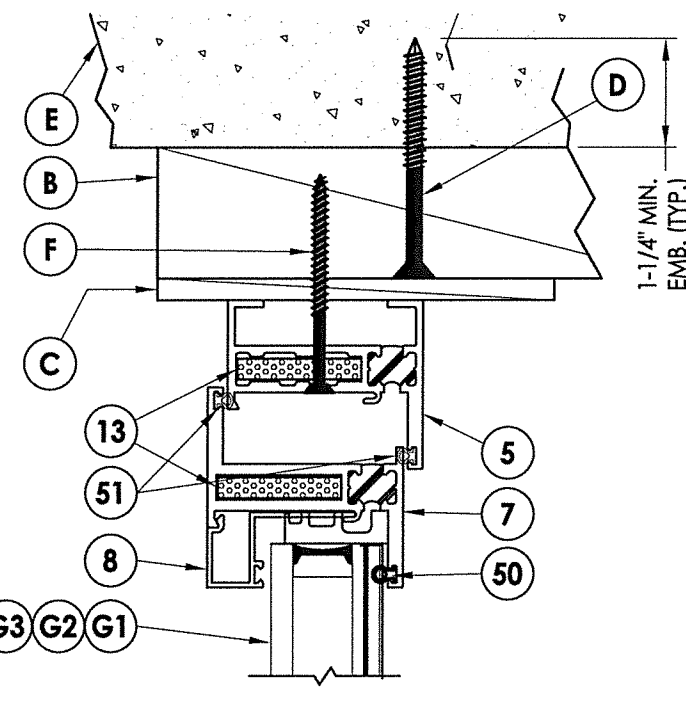
DATE: 10/23/13  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: FL-14904.10  
 SHEET 3 of 8



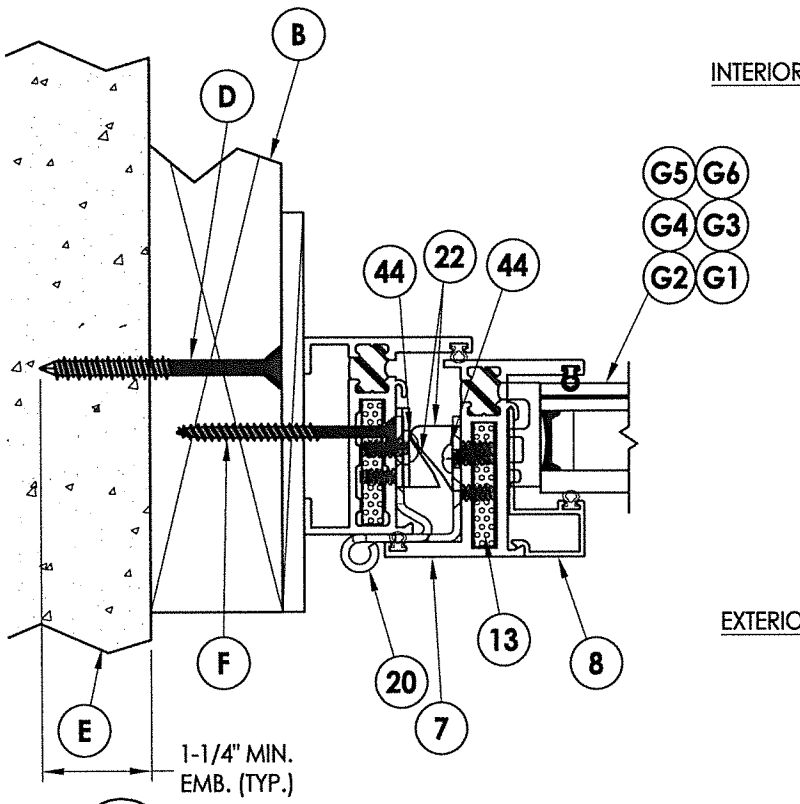
**3 HORIZONTAL CROSS SECTION**  
4 Shown w/ Steel Stud option



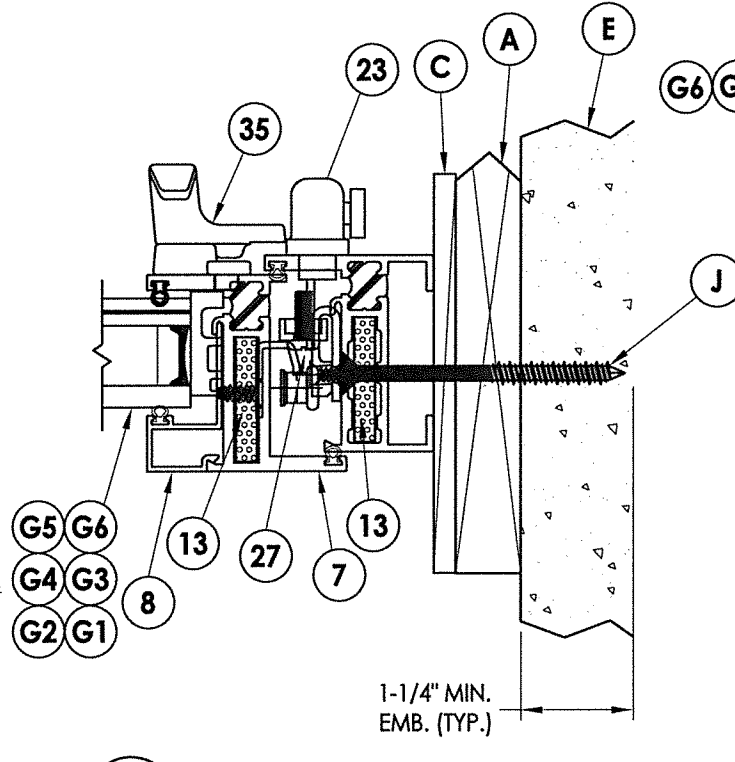
**4 HORIZONTAL CROSS SECTION**  
4 Shown w/ Direct to Masonry option



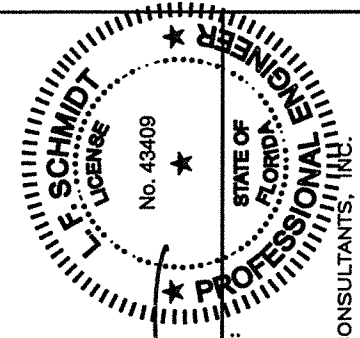
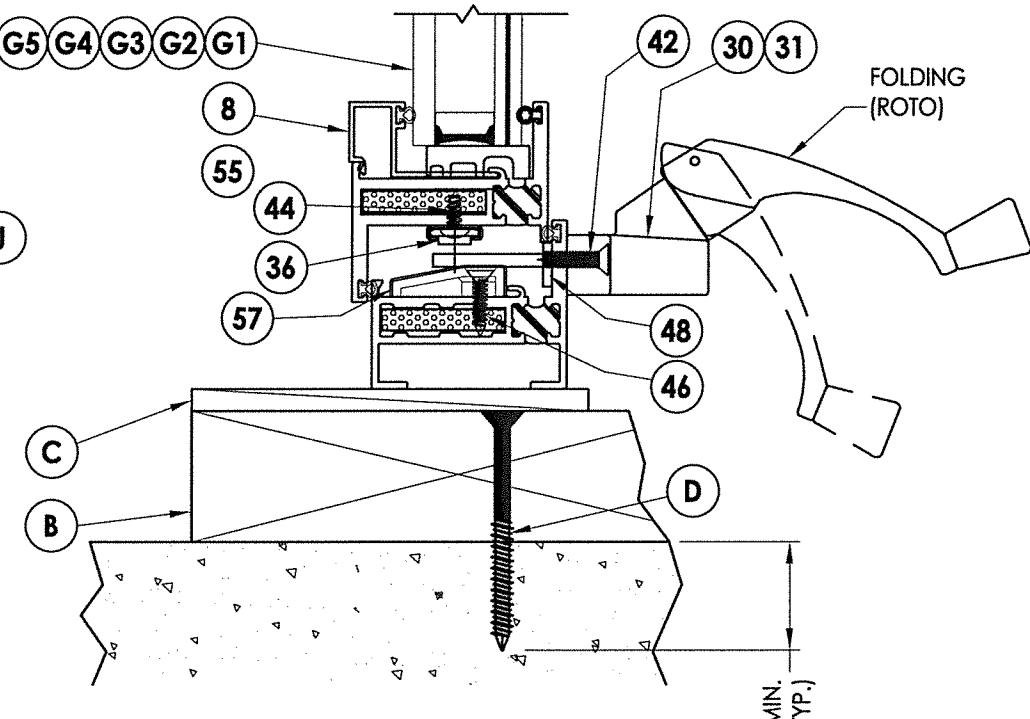
**5 VERTICAL CROSS SECTION**  
4 Shown w/ 2X Buck Construction



**1 HORIZONTAL CROSS SECTION**  
4 Shown w/ 2X Buck Construction



**2 HORIZONTAL CROSS SECTION**  
4 Shown w/ 1X Sub buck option



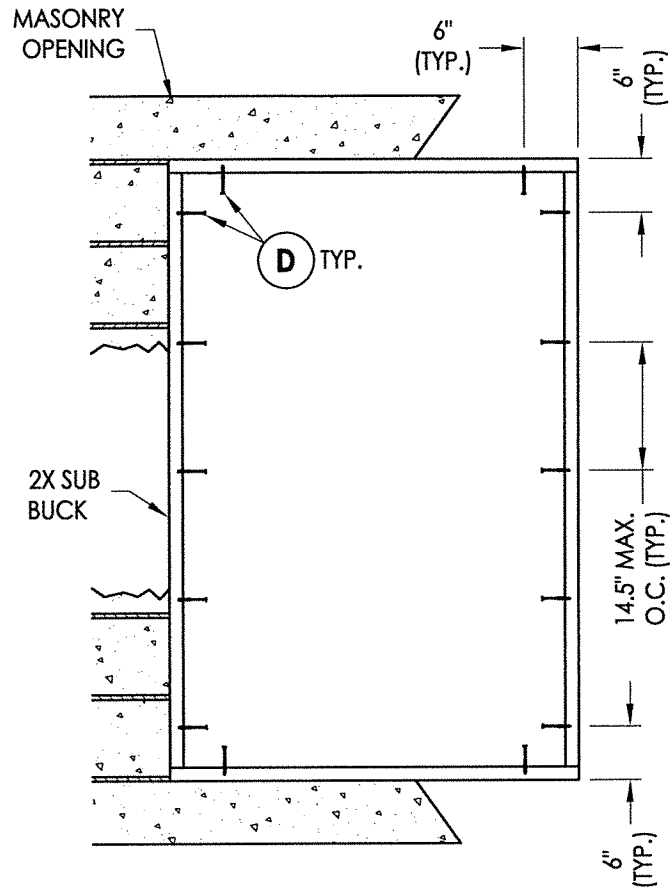
*Lyndon F. Schmidt*

December 7, 2021  
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

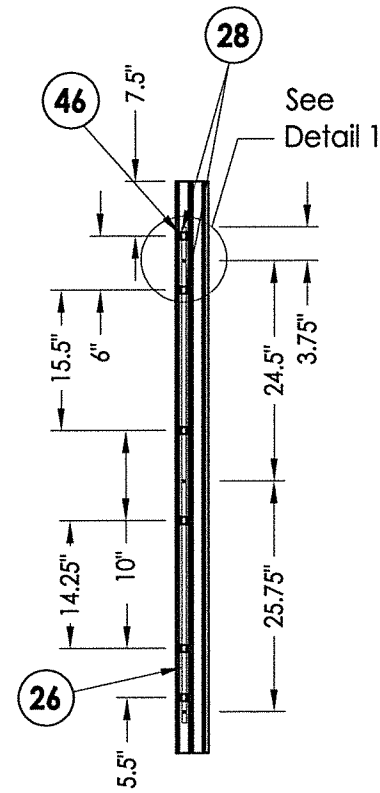
**R.W.** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT:		FLEETWOOD WINDOWS AND DOORS	
PART OR ASSEMBLY:		HORIZONTAL AND VERTICAL CROSS SECTIONS	
NO.	DATE	BY	
5	12/7/21	LFS	DATE
4	8/06/20	DAC	DATE
3	8/07/17	FBC	DATE
2	8/22/16	LFS	DATE
1	8/06/17	FBC	DATE
SERIES NAME CHANGE		BY	
UPDATE TO 7th ED. (2020)		BY	
UPDATE TO 6th ED. (2017)		BY	
RENUMBER DRAWINGS		BY	
UPDATE TO 5th ED. (2014)		BY	
DATE		BY	
DATE: 10/23/13			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14904.10			
SHEET 4 of 8			

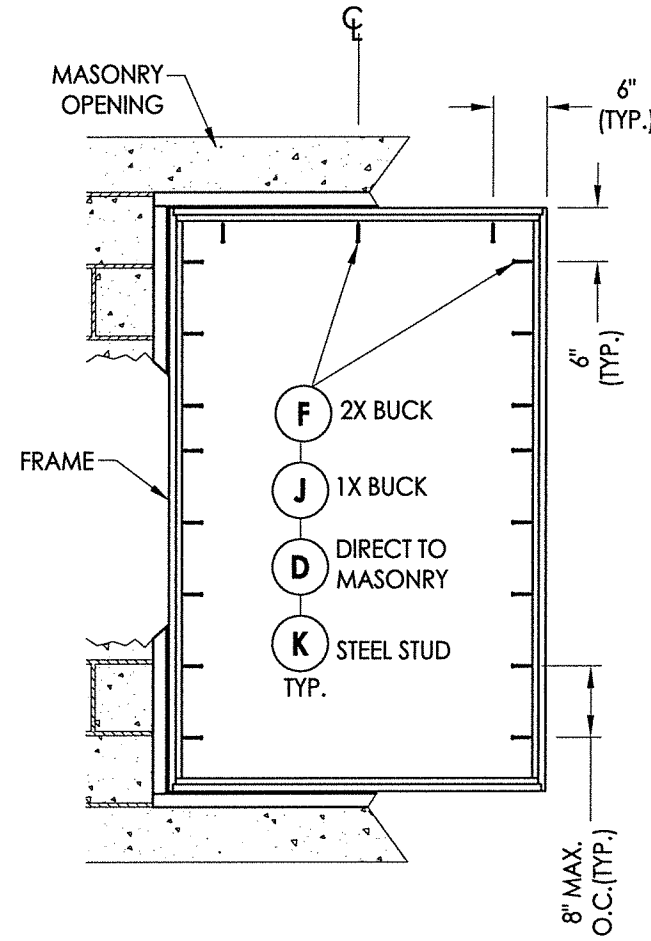
NOTE:  
1. Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal.



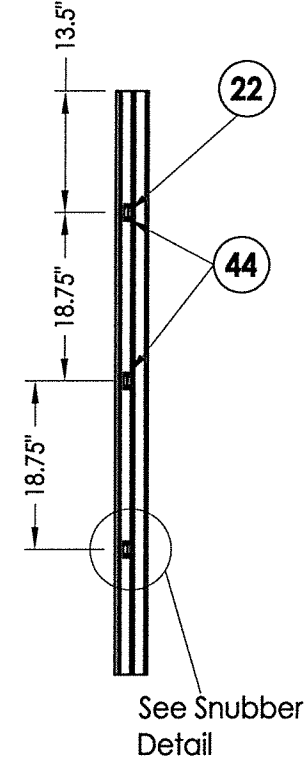
**2X BUCK ANCHORING**  
40.25" X 63.25" Max Size



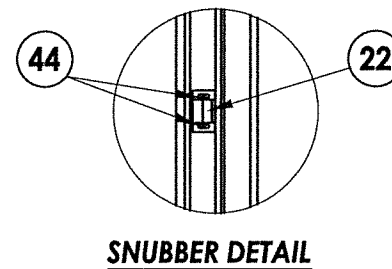
**LOCK JAMB**  
Locking Points (3)



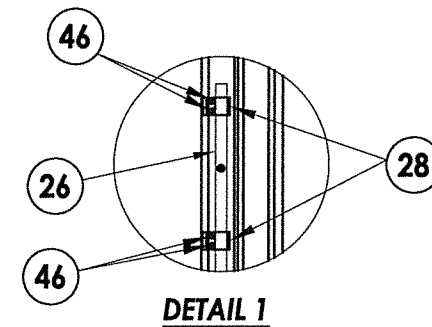
**FRAME MOUNT ANCHORING**  
40.25" X 63.25" Max Size



**SNUBBERS JAMB**



**SNUBBER DETAIL**



**DETAIL 1**

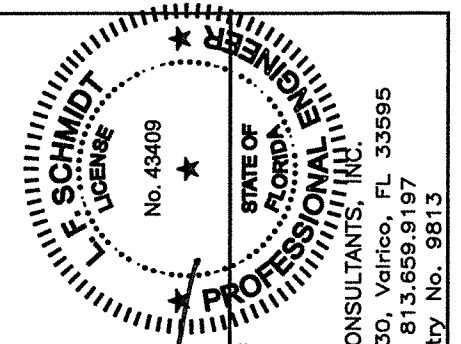
**CONCRETE ANCHOR NOTES:**

- 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 ULTRACON+	1/4"	1-1/4"	1"	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.



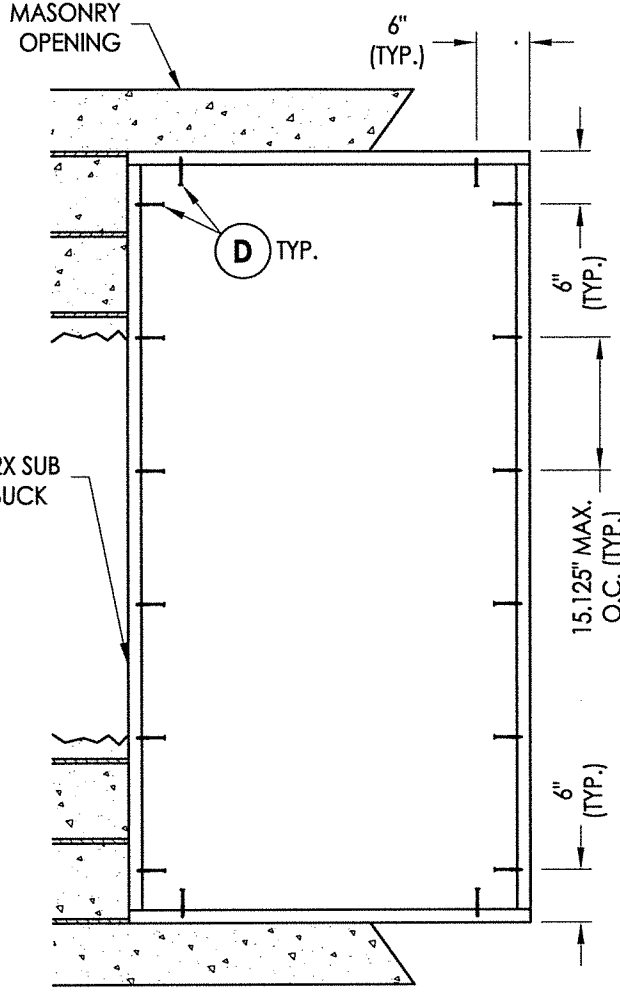
December 7, 2021  
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

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

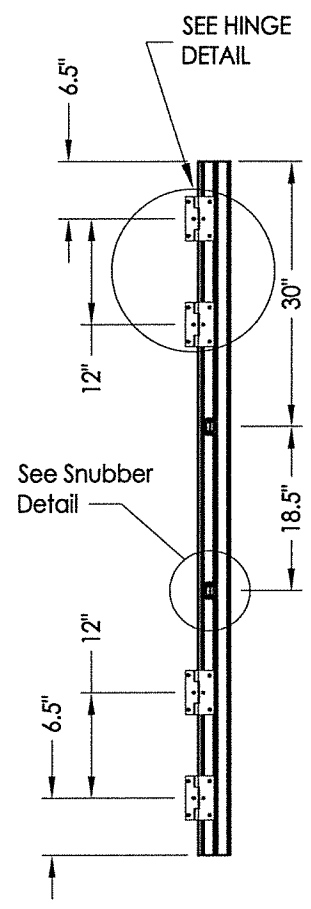
PRODUCT: FLEETWOOD WINDOWS AND DOORS  
PART OR ASSEMBLY: BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
5	12/7/21	SERIES NAME CHANGE
4	8/06/20	UPDATE TO 7TH ED. (2020) FBC DAC
3	8/07/17	UPDATE TO 6TH ED. (2017) FBC LFS
2	8/22/16	RENUMBER DRAWINGS
1	1/22/15	UPDATE TO 5TH ED. (2014) FBC LFS

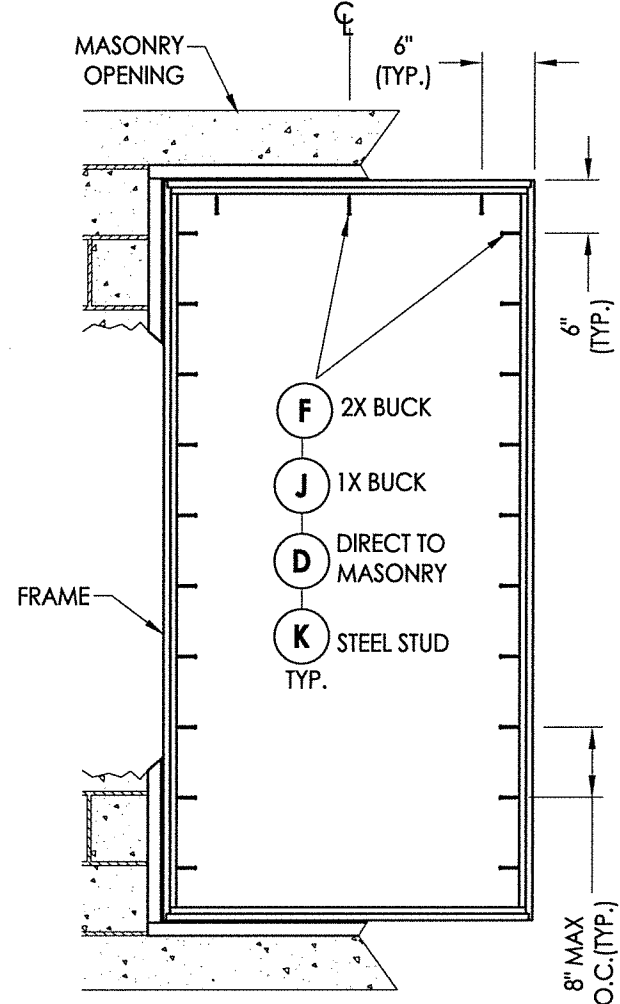
DATE: 10/23/13  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-14904.10  
SHEET 5 OF 8



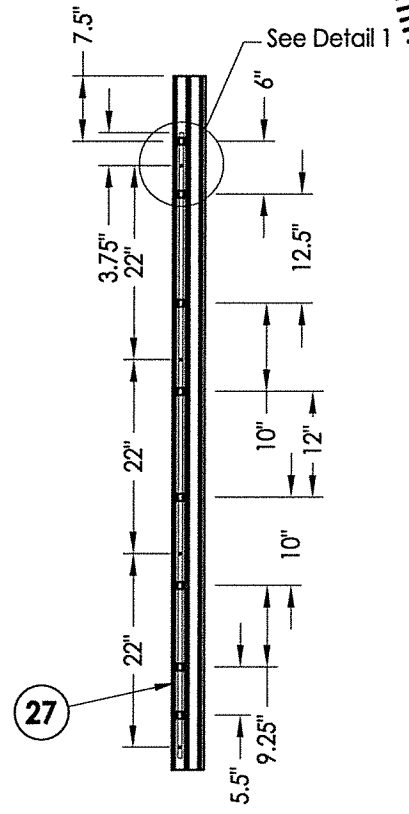
**2X BUCK ANCHORING**  
39.75" X 81.75" Max Size



**HINGE JAMB**



**FRAME MOUNT ANCHORING**  
39.75" X 81.75" Max Size



**LOCK JAMB**  
Locking Points (4)

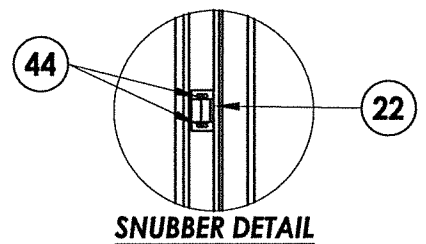
**CONCRETE ANCHOR NOTES:**

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:

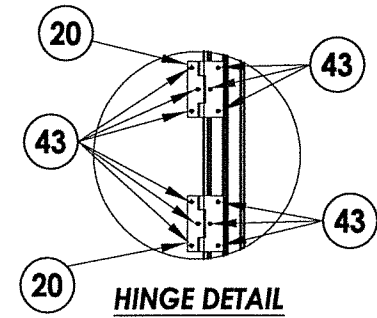
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

**WOOD SCREW INSTALLATION NOTES:**

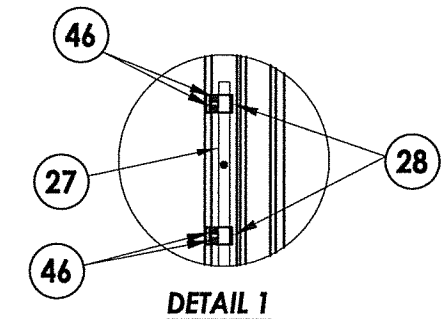
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



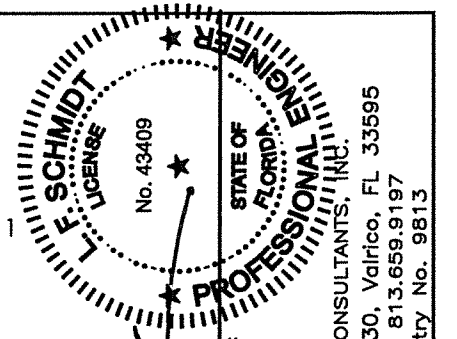
**SNUBBER DETAIL**



**HINGE DETAIL**



**DETAIL 1**



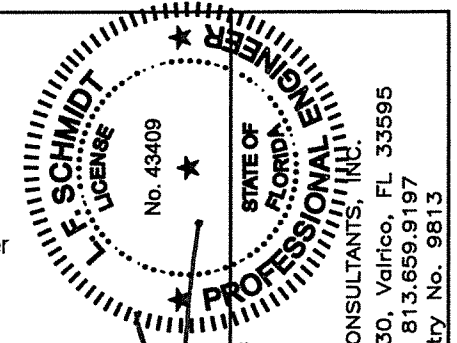
December 7, 2021  
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

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

PRODUCT:  
FLEETWOOD WINDOWS AND DOORS  
PART OR ASSEMBLY:  
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
5	12/7/21	SERIES NAME CHANGE
4	8/06/20	UPDATE TO 7TH ED. (2020) FBC
3	8/07/17	UPDATE TO 6TH ED. (2017) FBC
2	8/22/16	RENUMBER DRAWINGS
1	1/22/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 10/23/13  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-14904.10  
SHEET 6 OF 8

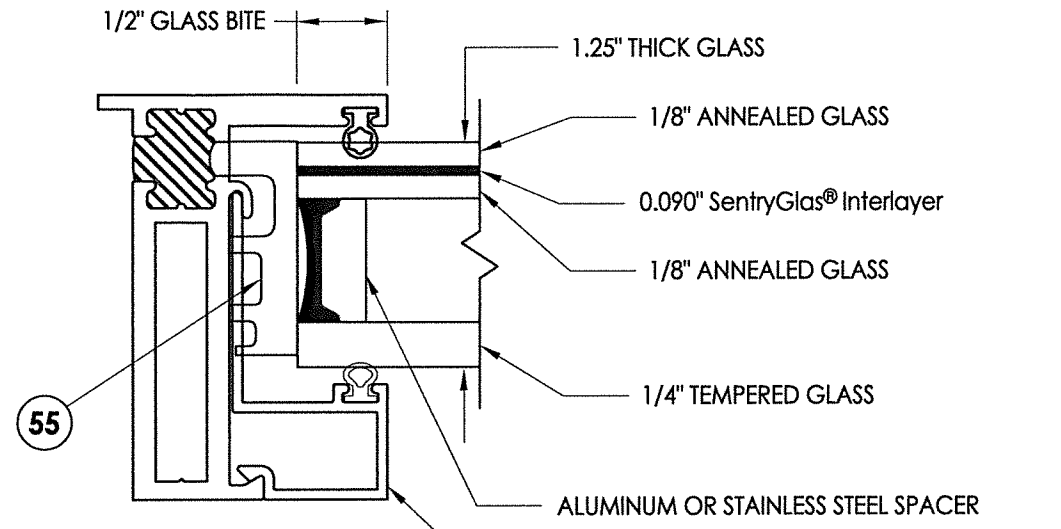


December 7, 2021  
 Documents Prepared By:  
 Lyndon F. Schmidt  
 P.E. No. 43409  
 R.W. BUILDING CONSULTANTS, INC.  
 P.O. Box 230, Valrico, FL 33595  
 Phone No.: 813.659.9197  
 FBPE Registry No. 9813

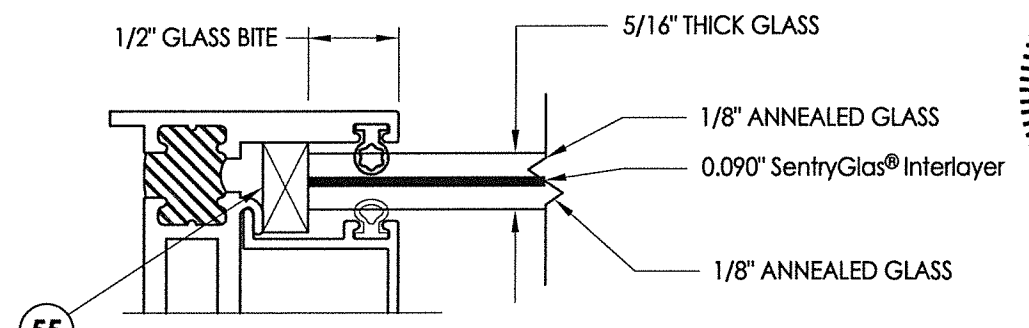
PRODUCT:  
 FLEETWOOD WINDOWS AND DOORS  
 PART OR ASSEMBLY:  
 GLAZING DETAILS

SERIES NAME CHANGE		REVISIONS	
NO.	DATE	NO.	DATE
5	12/7/21	LFS	
4	8/06/20	DAC	
3	8/07/17	FBC	
2	8/22/16	FBC	
1	8/06/17	FBC	

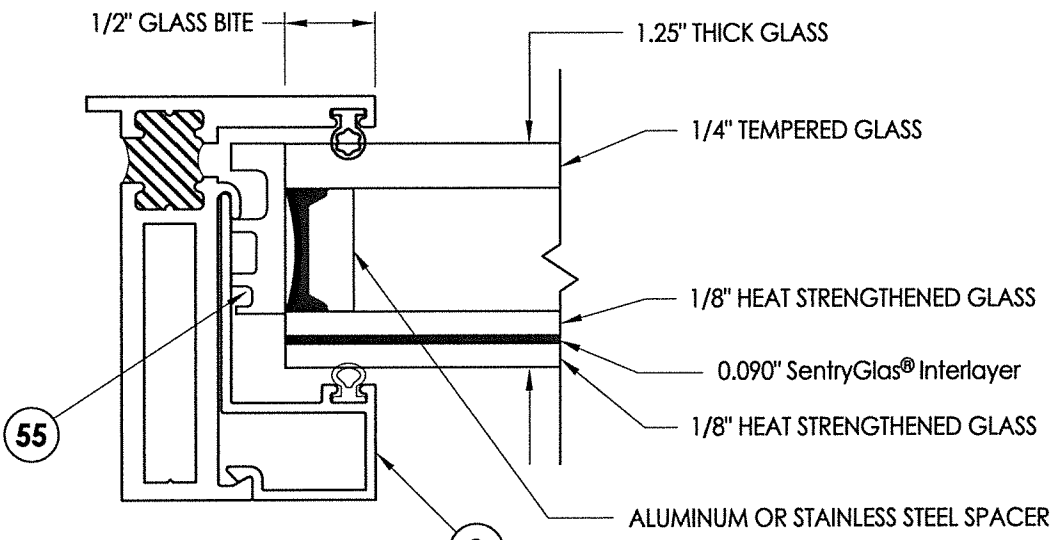
DATE: 10/23/13  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: FL-14904.10  
 SHEET 7 OF 8



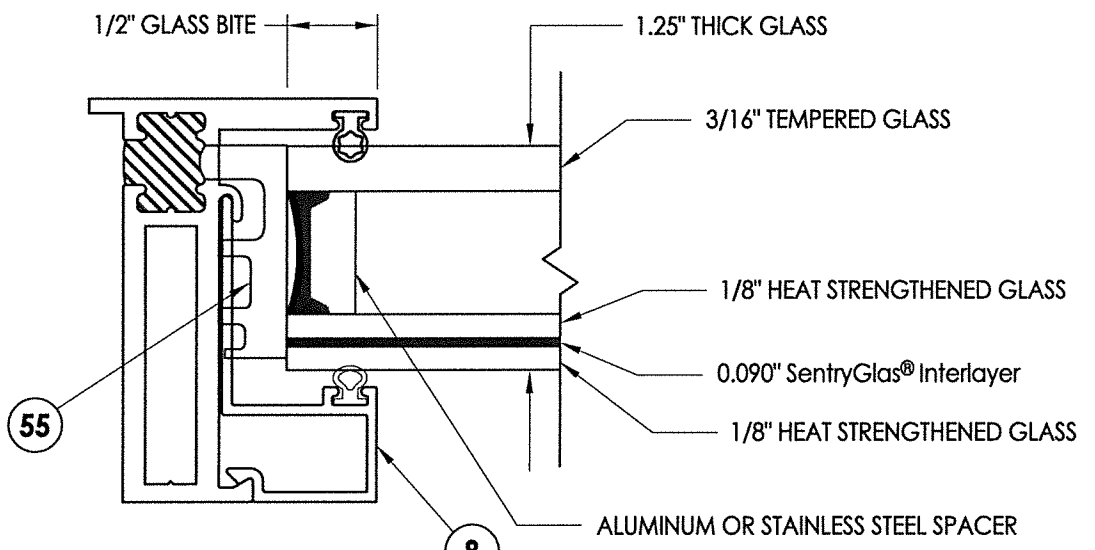
G1 GLAZING DETAIL



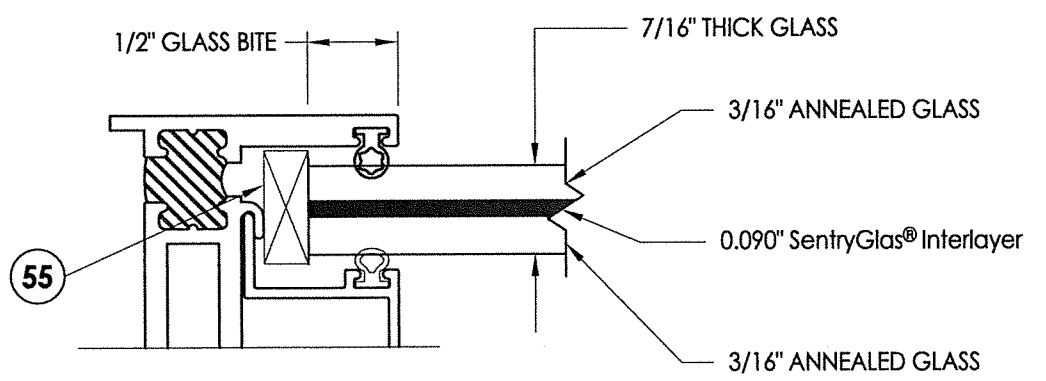
G4 GLAZING DETAIL



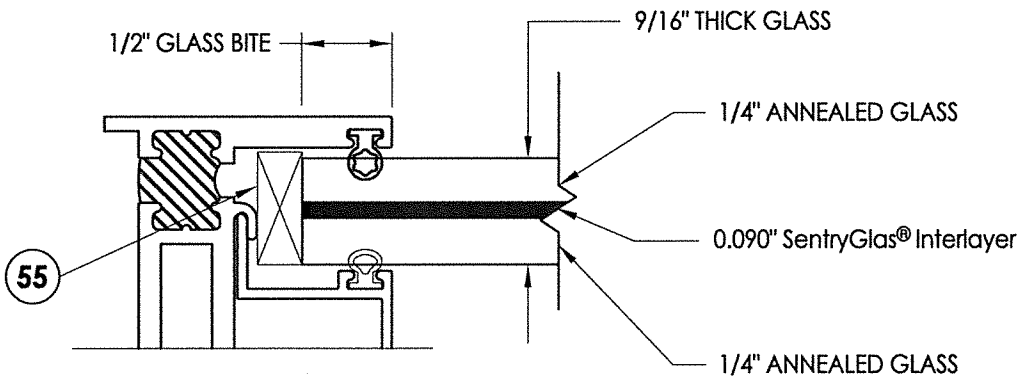
G2 GLAZING DETAIL



G5 GLAZING DETAIL

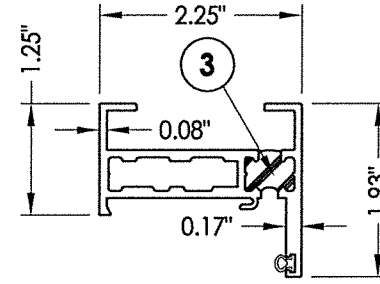


G3 GLAZING DETAIL

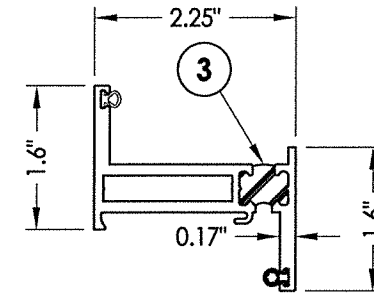


G6 GLAZING DETAIL

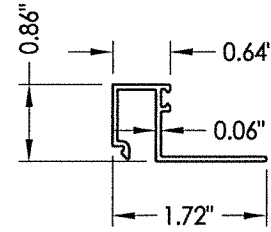
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" PPH WOOD SCREW (1-1/4" MIN. EMBEDMENT)	STEEL
J	1/4" X 3-1/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
3	THERMAL BREAK ("LIQUID POLYURETHANE" by Azon USA, Inc.)	-
5	BLOCK FRAME (350-T)	6063-T6 ALUM
7	ZEE BAR (PANEL)	6063-T6 ALUM
8	GLASS STOP (1-1/4")	6063-T6 ALUM
10	GLASS STOP (5/16", 7/16")	6063-T6 ALUM
13	CORNER KEY	6063-T6 ALUM
20	SS. BUTT HINGE	SS
21	4 BAR HINGE	SS
22	SNUBBER-COMMERCIAL PULL-IN BLOCK	SS
23	MULTIPOINT LOCK HANDLE	SS
26	3 POINTS LOCKING BAR (TRUTH)	SS
27	4 POINTS LOCKING BAR (TRUTH)	SS
28	TIE BAR GUIDE (TRUTH)	-
29	KEEPER (TRUTH)	SS
30	CASEMENT ROTOR GEAR 13.5"(TRUTH)	SS
31	CASEMENT ROTOR GEAR 9.5"(TRUTH)	SS
35	CAM HANDLE / STRIKE PLATE	SS
36	CASEMENT SS. TRACK (TRUTH)	SS
40	#10 X 1" PPH SMS	STEEL
42	MACHINGE SCREW NO 10-32, FHP .75"	STEEL
43	SCREW NO 10, UFHP .5"	STEEL
44	SCREW NO 8, PHP, .50"	STEEL
46	SCREW NO 8, FHP, .750"	STEEL
48	BACK UP NUTS	STEEL
50	BULB VINYL (EPDM 70 DUROMETER) - TREMCO	-
51	MINI BULB VINYL (EPDM 70 DUROMETER) - TREMCO	-
55	SETTING BLOCK (SANTOPRENE - 86 DUROMETER) - TREMCO	-
57	PIVOT SHIM	-



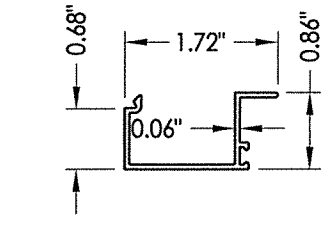
5 BLOCK FRAME



7 ZEE BAR (PANEL)



8 GLASS STOP 1-1/4"



10 GLASS STOP 5/16", 7/16", 9/16"

December 7, 2021  
 Documents Prepared By:  
 Lyndon F. Schmidt  
 P.E. No. 43409

**R.W.**  
 BUILDING CONSULTANTS, INC.  
 P.O. Box 230, Vairco, FL 33595  
 Phone No.: 813.659.9197  
 FBPE Registry No. 9813

PRODUCT:		FLEETWOOD WINDOWS AND DOORS	
PART OR ASSEMBLY:		BILL OF MATERIALS AND COMPONENTS	
LFS	SERIES NAME CHANGE	LFS	BY
DAC	UPDATE TO 7th ED. (2020) FBC	DAC	
LFS	UPDATE TO 6th ED. (2017) FBC	LFS	
LFS	RENUMBER DRAWINGS	LFS	
LFS	UPDATE TO 5th ED. (2014) FBC	LFS	
NO.	DATE	NO.	DATE
5	12/7/21	5	12/7/21
4	8/06/20	4	8/06/20
3	8/07/17	3	8/07/17
2	8/22/16	2	8/22/16
1	8/06/17	1	8/06/17
REVISIONS			
DATE: 10/23/13			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14904.10			
SHEET 8 OF 8			