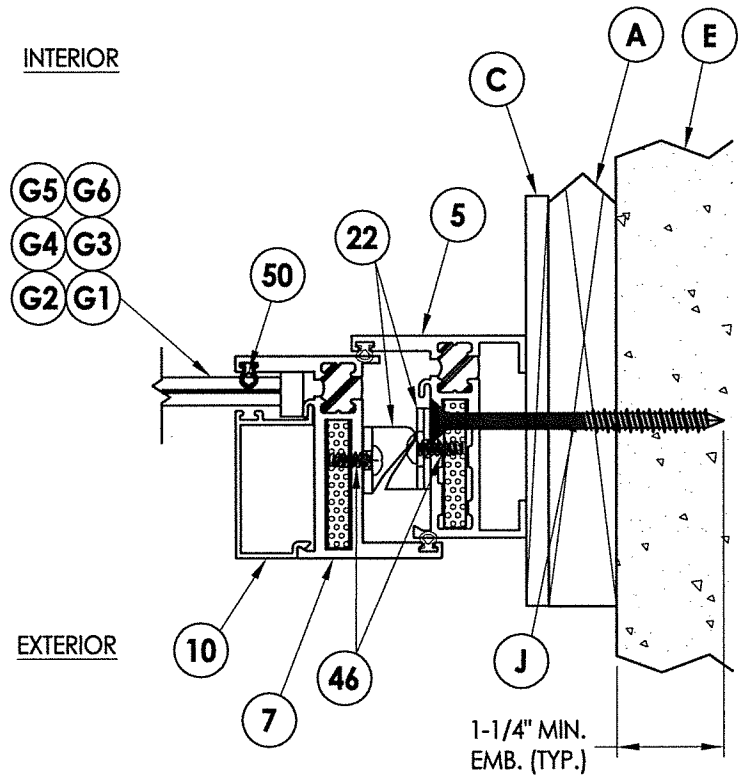
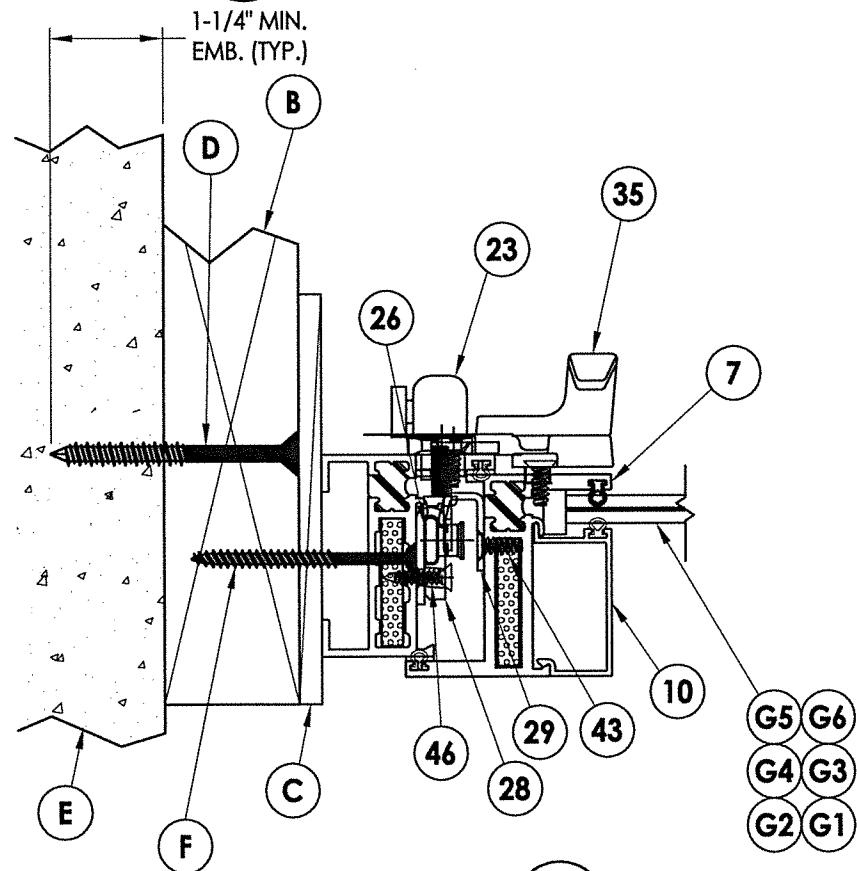


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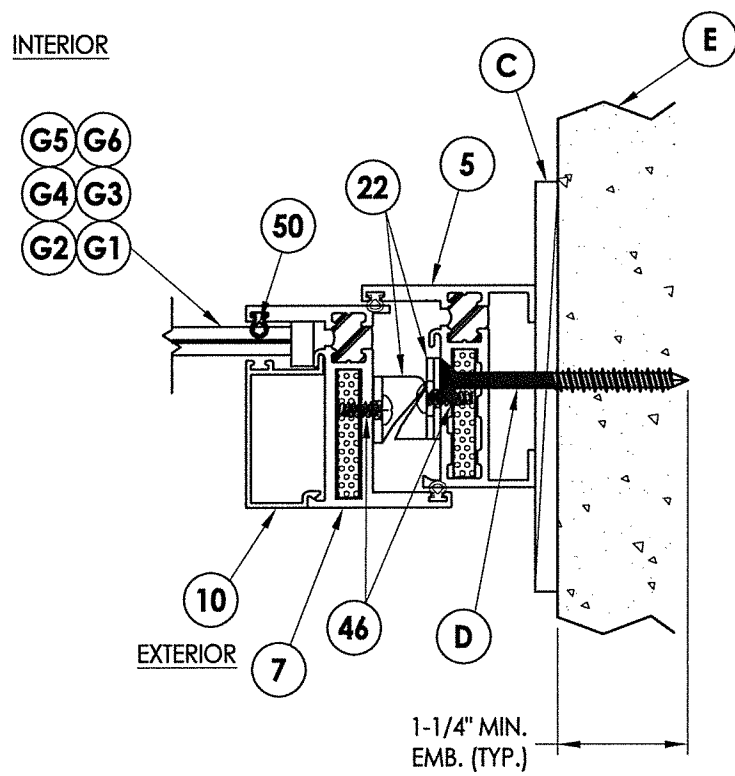
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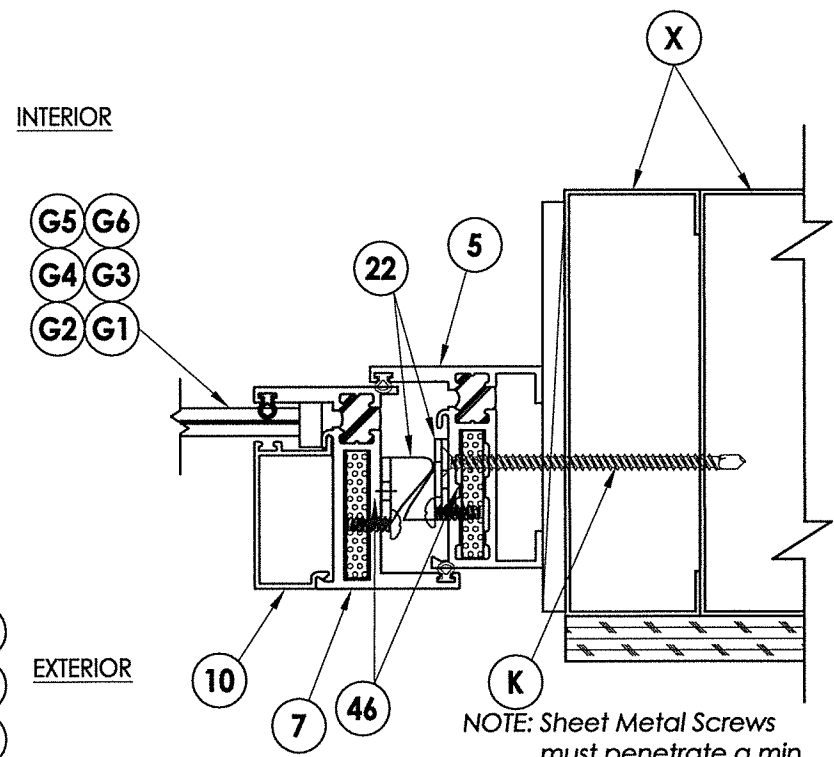
2 HORIZONTAL CROSS SECTION
3 Shown w/ 1X Sub buck option



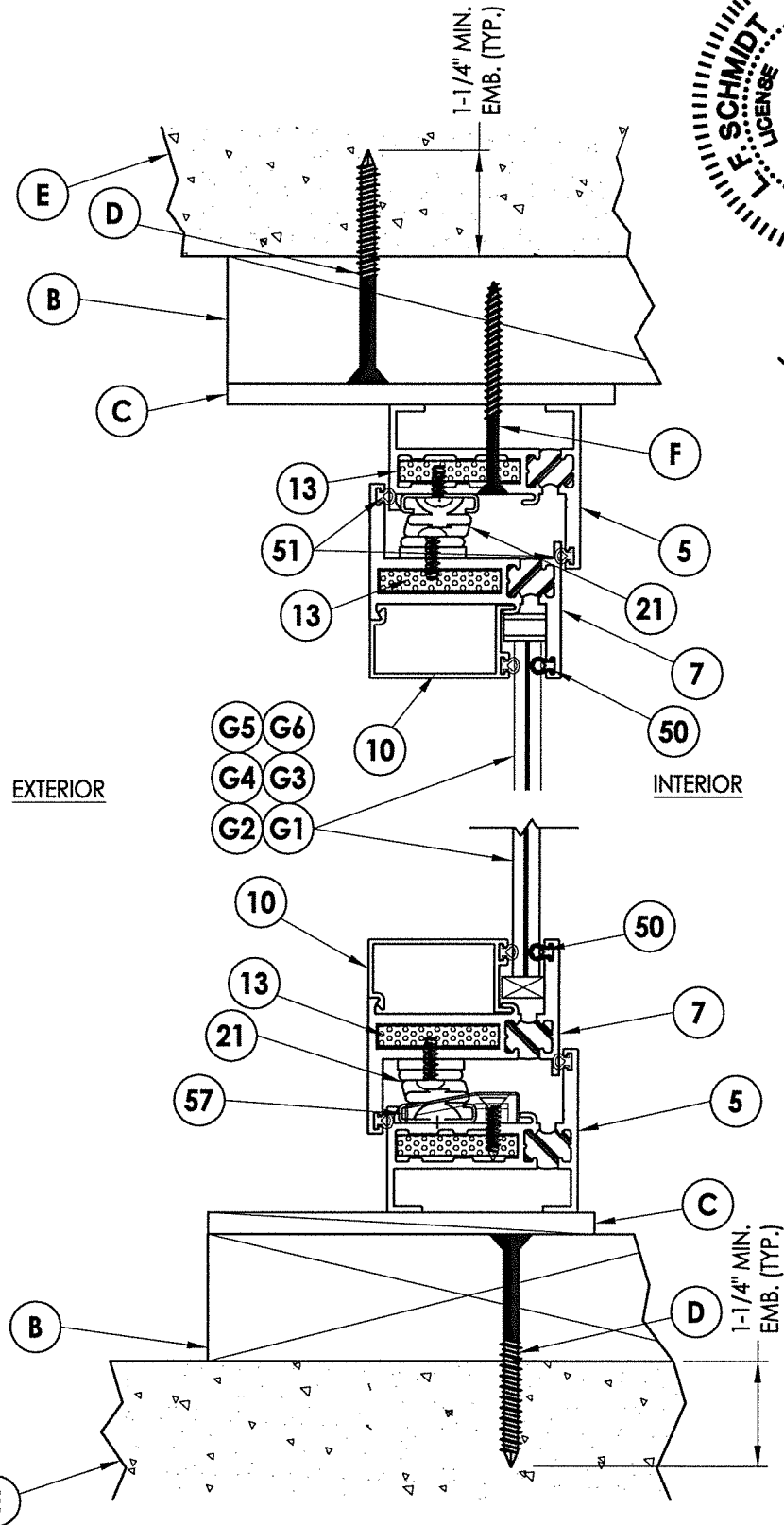
1 HORIZONTAL CROSS SECTION
3 Show w/ 2X Buck and Steel Stud options



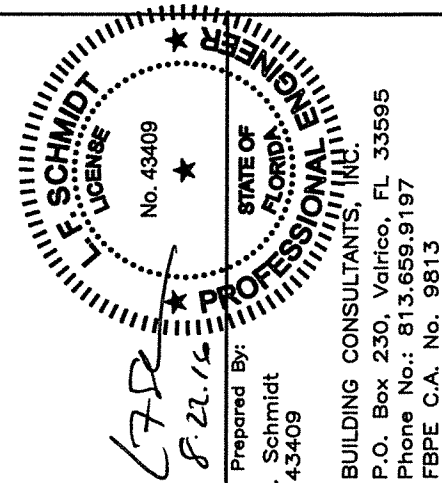
3 HORIZONTAL CROSS SECTION
3 Shown w/ Direct to Masonry option



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



Documents Prepared By:
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P.E. No. 43409

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

PRODUCT:		FLEETWOOD WINDOWS AND DOORS	
PART OR ASSEMBLY:		HORIZONTAL AND VERTICAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
2	8/22/16	Renumber Drawings	LFS
1	1/22/15	UPDATE TO 5TH ED. (2014)	FBC
NO.	DATE	REVISIONS	BY
DATE: 10/23/13			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14904.10			
SHEET 3 OF 8			

Technical diagram of a roof assembly cross-section. The diagram shows a concrete slab (E) with aggregate (D) and a 1-1/4" MIN. F.M.R. (TYP.) layer. Below the slab is a metal deck (B) with a fastener (F) and a sealant (C). The assembly is supported by a structural member (5) with a fastener (7) and a sealant (50). The bottom layer consists of insulation (G6, G5, G4, G3, G2, G1) and a vapor barrier (8).

INTERIOR

EXTERIOR

1-1/4" MIN.
EMB. (TYP.)

5 VERTICAL CROSS SECTION

1-1/4" MIN. EMB. (TYP.)

LRD
8-22-16

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8-6616
Documents Prepared By:
Lyndon F. Schmidt
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RRW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT: FLEETWOOD WINDOWS AND DOORS

FOR OR ASSEMBLY:

**HORIZONTAL AND VERTICAL
CROSS SECTIONS**

2	8/22/16	Renumber Drawings		LFS
1	1/22/15	UPDATE TO 5TH ED. (2014)	FBC	LFS
NO.	DATE			BY

DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

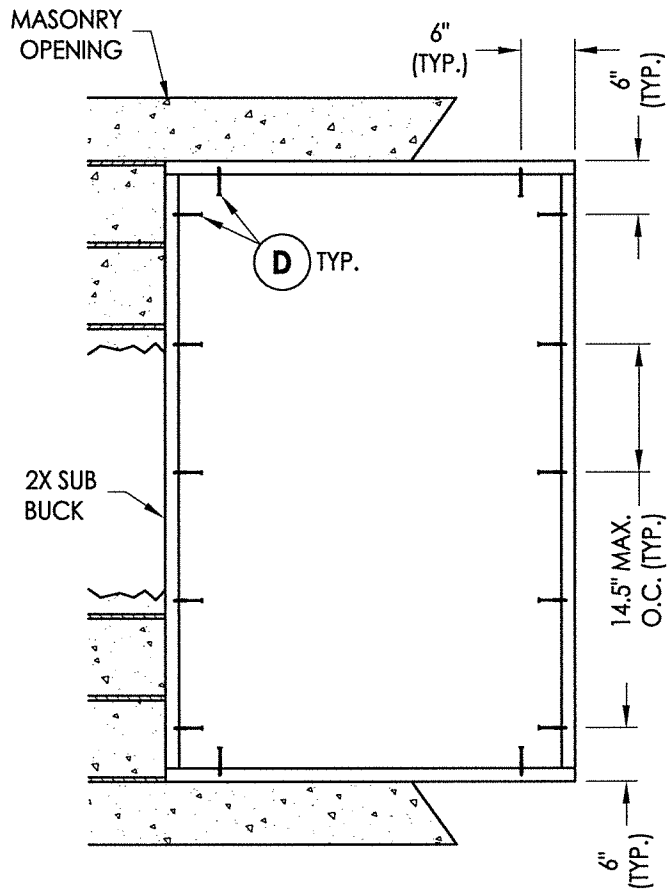
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FL-14904.10

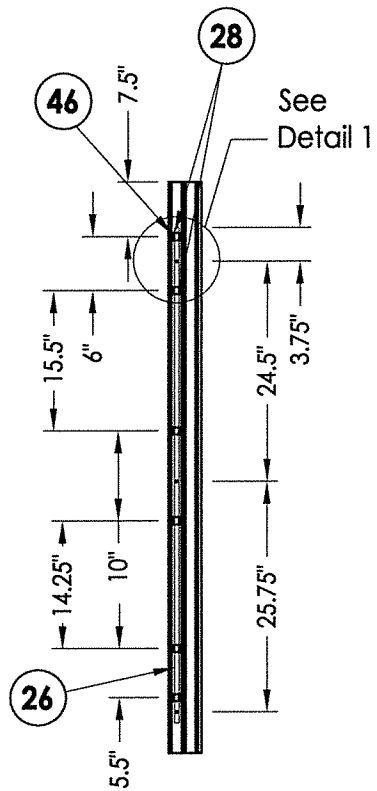
SHEET 4 OF 8

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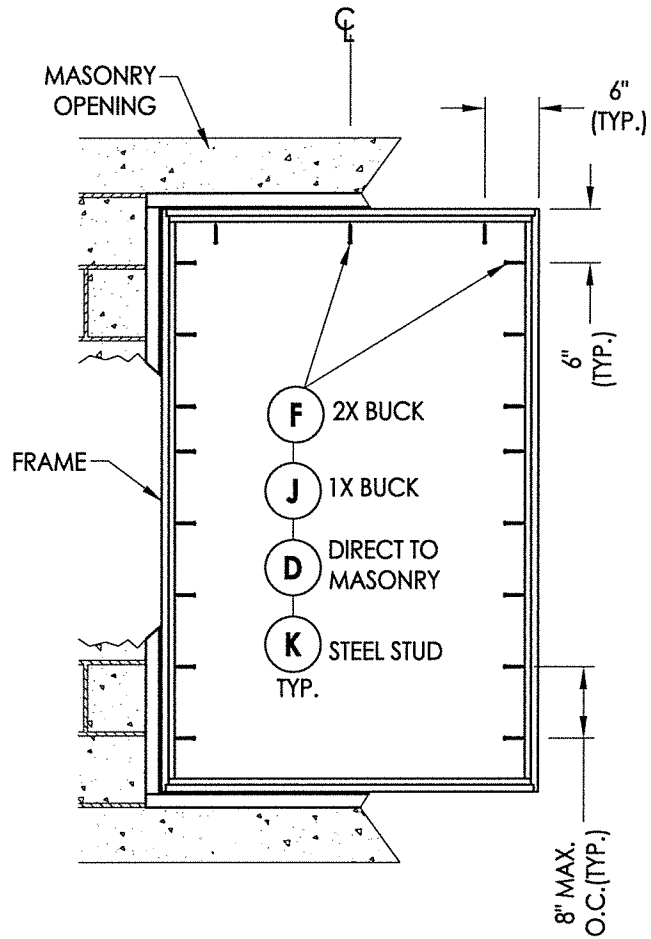
R:\Clients\Fleetwood Permanent\A - Florida Product Approvals\FL-14904 Casement\A - Drawings\FL-14904.8-10.dwg, 5.17



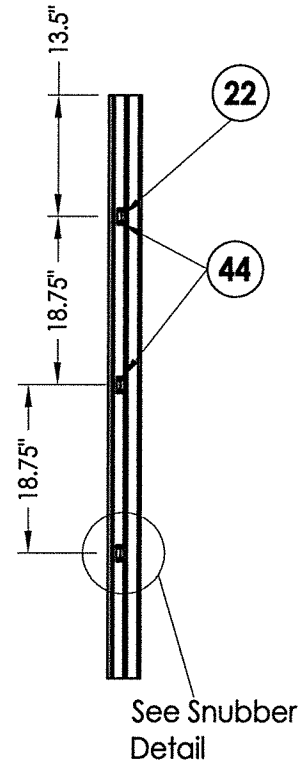
2X BUCK ANCHORING
40.25" X 63.25" Max Size



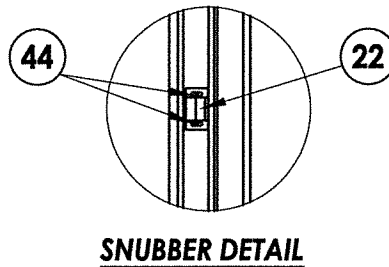
LOCK JAMB
Locking Points (3)



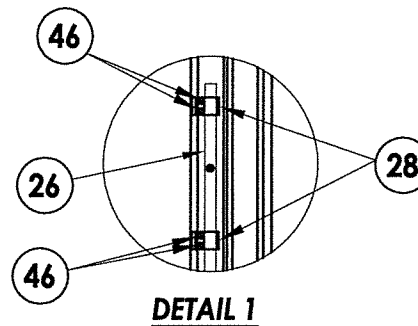
FRAME MOUNT ANCHORING
40.25" X 63.25" Max Size



SNUBBERS JAMB



SNUBBER DETAIL



DETAIL 1

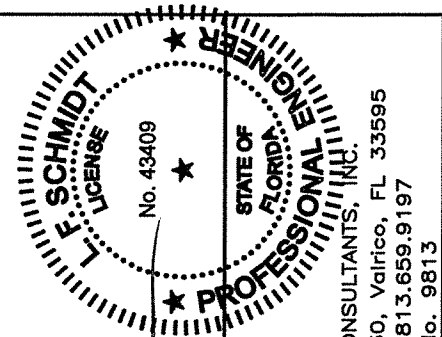
CONCRETE ANCHOR NOTES:

- 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"
ELCO 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.



Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT: FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY: BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
2	8/22/16	Renumber Drawings
1	1/22/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 10/23/13

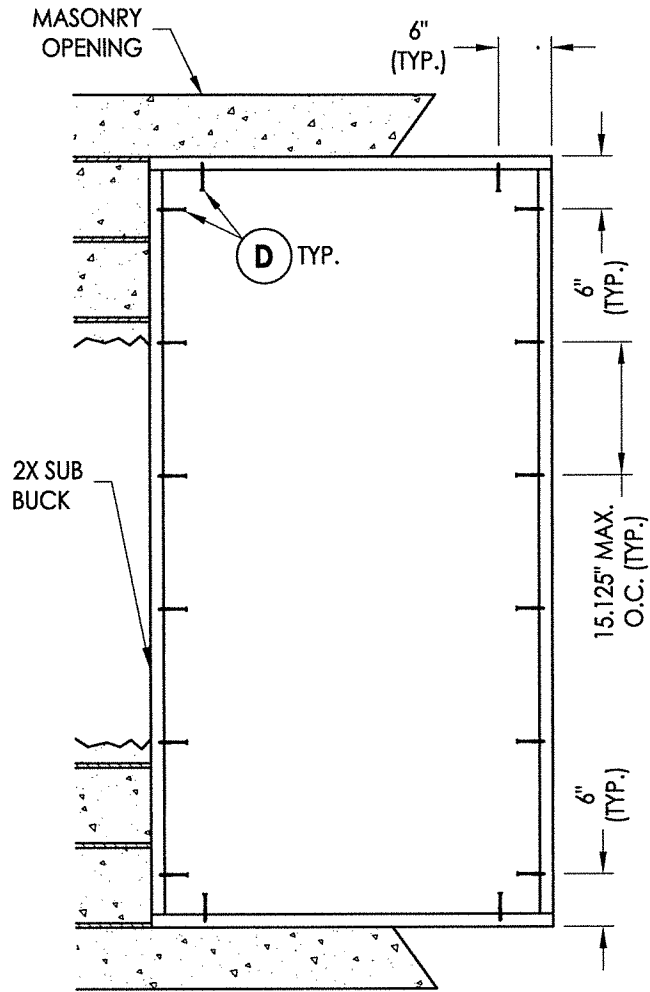
SCALE: N.T.S.

DWG. BY: JK

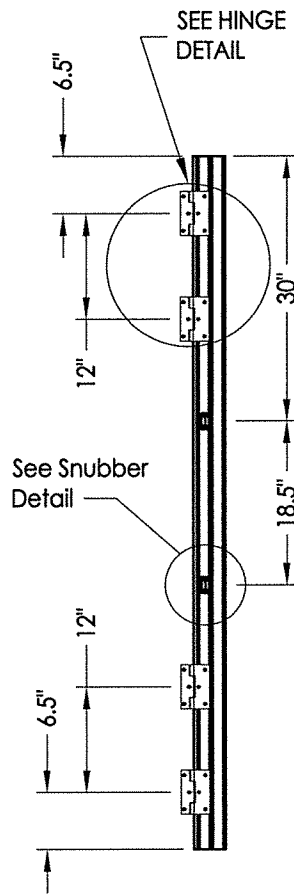
CHK. BY: LFS

DRAWING NO.: FL-14904.10

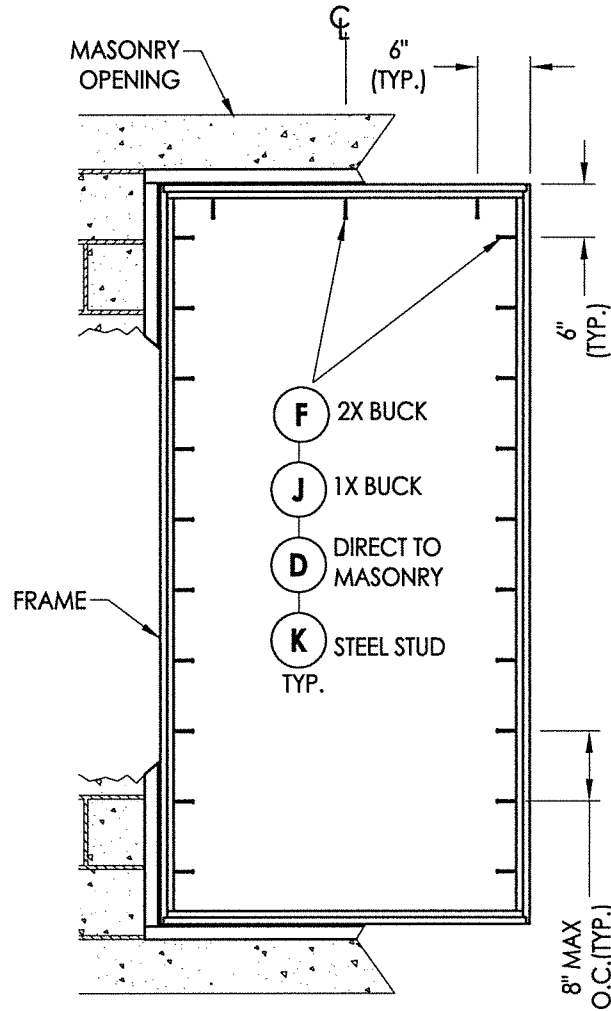
SHEET 5 OF 8



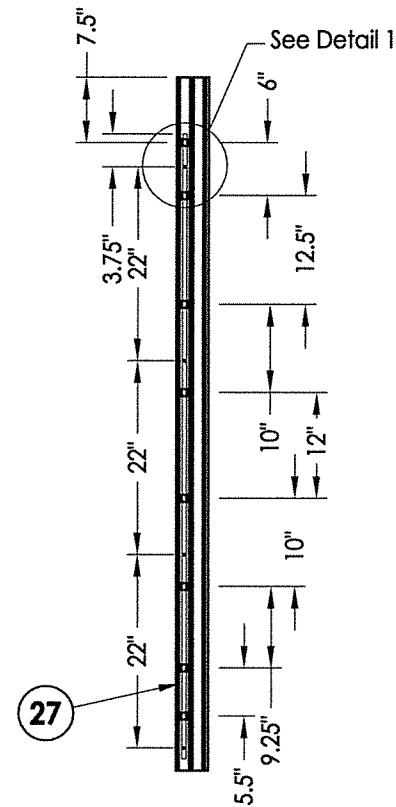
2X BUCK ANCHORING
39.75" X 81.75" Max Size



HINGE JAMB



FRAME MOUNT ANCHORING
39.75" X 81.75" Max Size



LOCK JAMB
Locking Points (4)

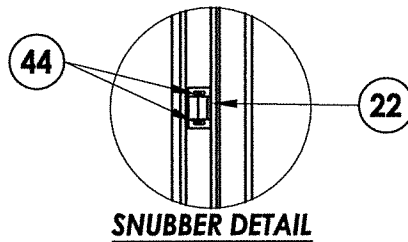
CONCRETE ANCHOR NOTES:

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- 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:

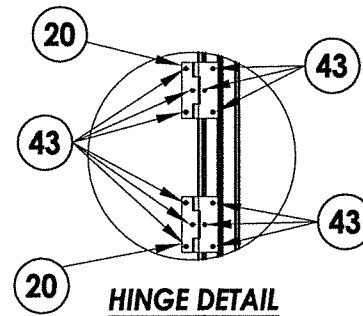
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

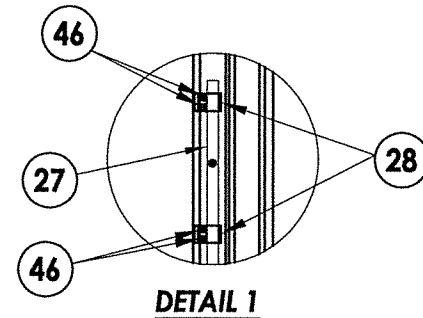
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



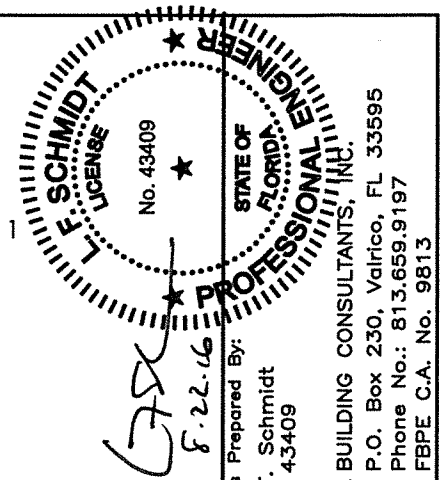
SNUBBER DETAIL



HINGE DETAIL



DETAIL 1

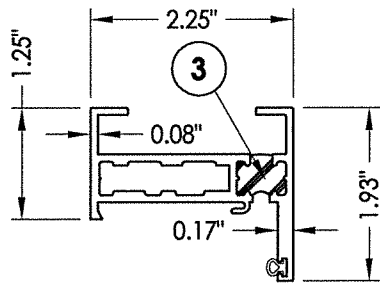


Documents Prepared By:
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P.E. No. 43409

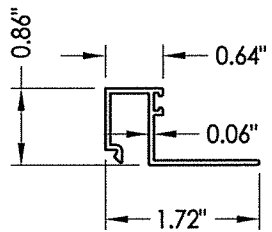
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY:		BUCK & FRAME ANCHORING	
					LFS		
					LFS		
					BY		
					REVISIONS		
DATE: 10/23/13							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-14904.10							
SHEET 6 OF 8							

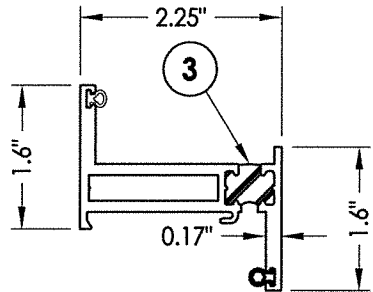
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" ELCO OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH WOOD SCREW (1-1/4" MIN. EMBEDMENT)	STEEL
J	1/4" x 3-1/4" ELCO 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	WESTWOOD BLOCK FRAME	6063-T6 ALUM
7	WESTWOOD 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 (STEVE HAGG)	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 (MELRON)	SS
36	CASEMENT SS. TRACK (TRUTH)	SS
40	#10 X 1" PPH SMS	STEEL
42	MACHINE 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	-



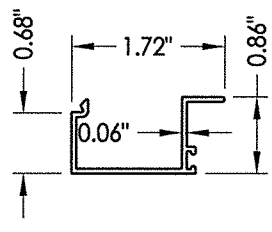
5 BLOCK FRAME



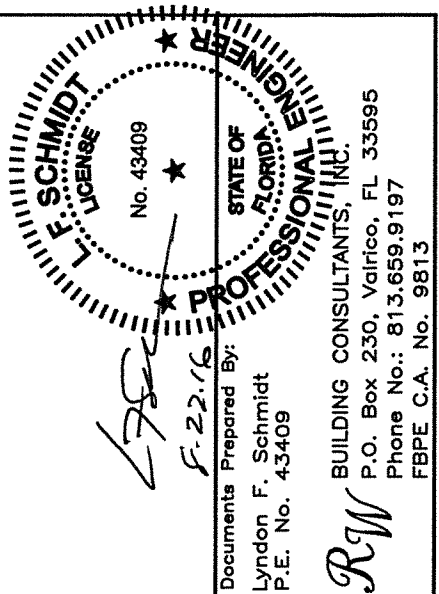
8 GLASS STOP 1-1/4"



7 ZEE BAR (PANEL)



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



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