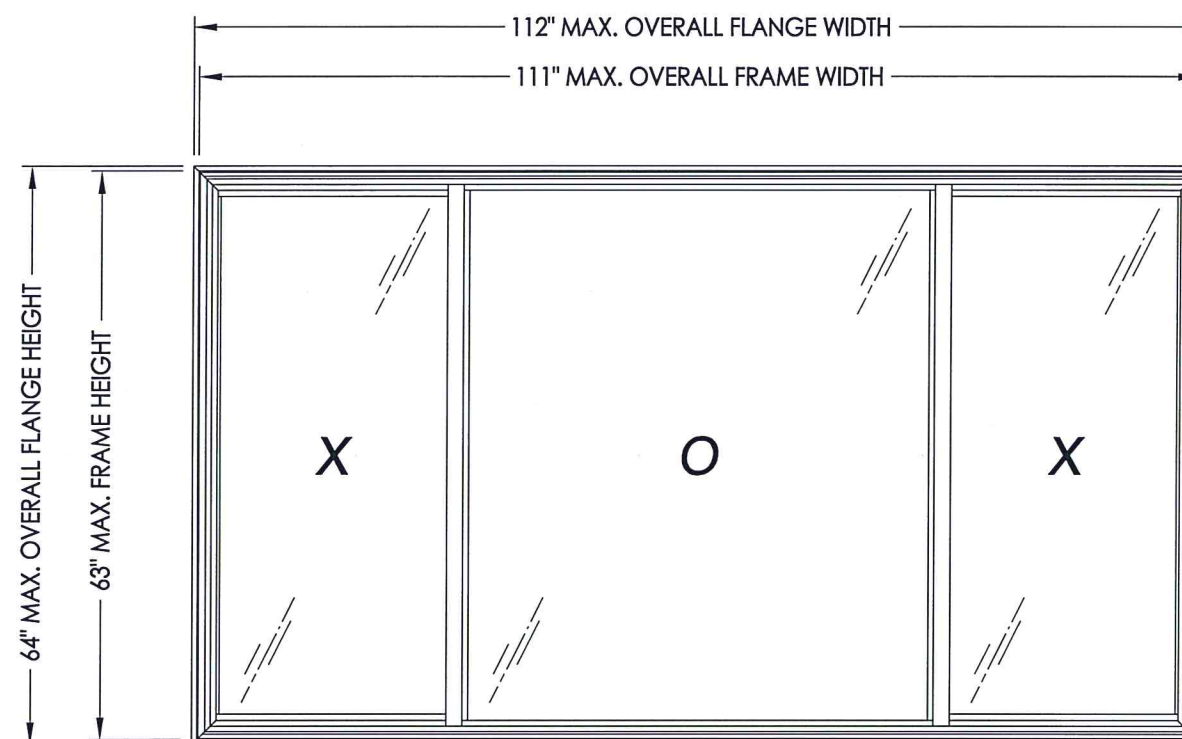


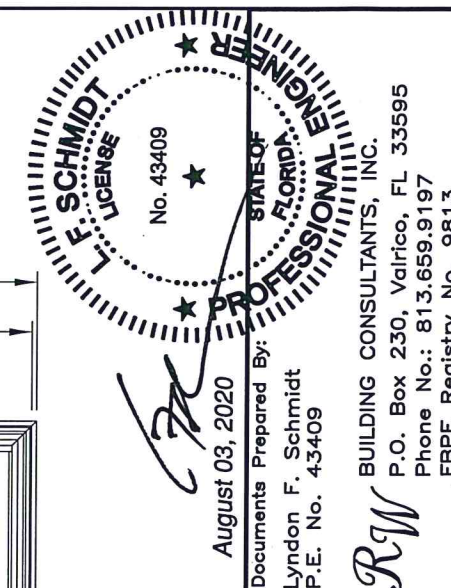
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Vertical & horizontal cross sections
3	Vertical & horizontal cross sections
4	Buck & frame anchoring
5	Components
6	Bill of materials and glazing details

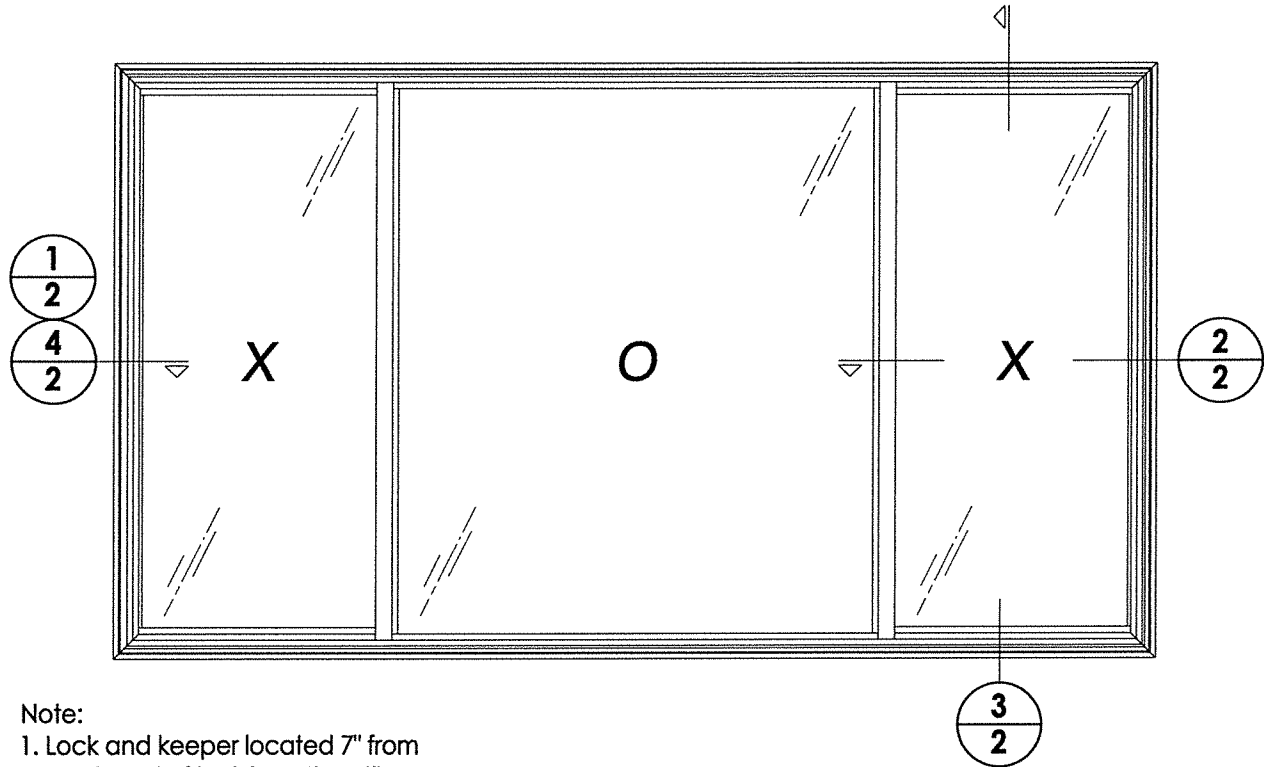


MAX. OVERALL FLANGE DIMENSION	MAX. OVERALL FRAME DIMENSION	MAX DAY LITE DIMENSION (OPERABLE)	MAX DAY LITE DIMENSION (FIXED)	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POS.	NEG.
112.0" X 64.0"	111.0" X 63.0"	25.0" X 57.25"	51.0" X 58.5"	G1	+45.0	-45.0

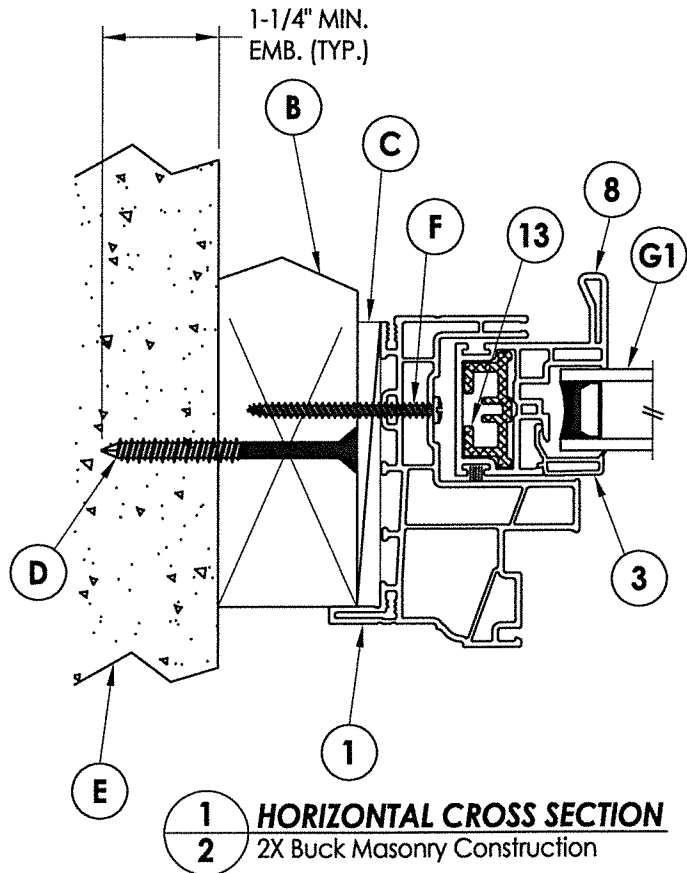


DATE: 2/20/14						PRODUCT:		Doers
SCALE: N.T.S.								
DWG. BY: JK								
CHK. BY: LFS								
DRAWING NO.: FL-16853.8								
SHEET 1 OF 6								
						</		

\\dc01\w\b\c\l\Doers PERMANENT - Florida Product Approvals\FL-16853 Windows - Horizontal Sliders\C - Drawings\FL-16853 (2020)\FL-16853.8-9.dwg



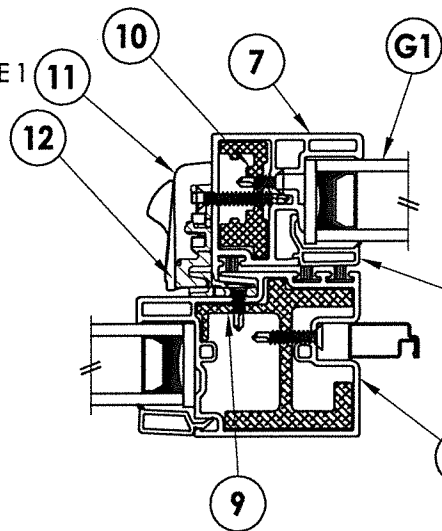
- Note:
1. Lock and keeper located 7" from each end of lock/meeting stile.
 2. Metal roller assembly located 2" from each end of the bottom rail.
 3. Anti-lift secured to head with (6) #6 x 1/2" PPH SMS.



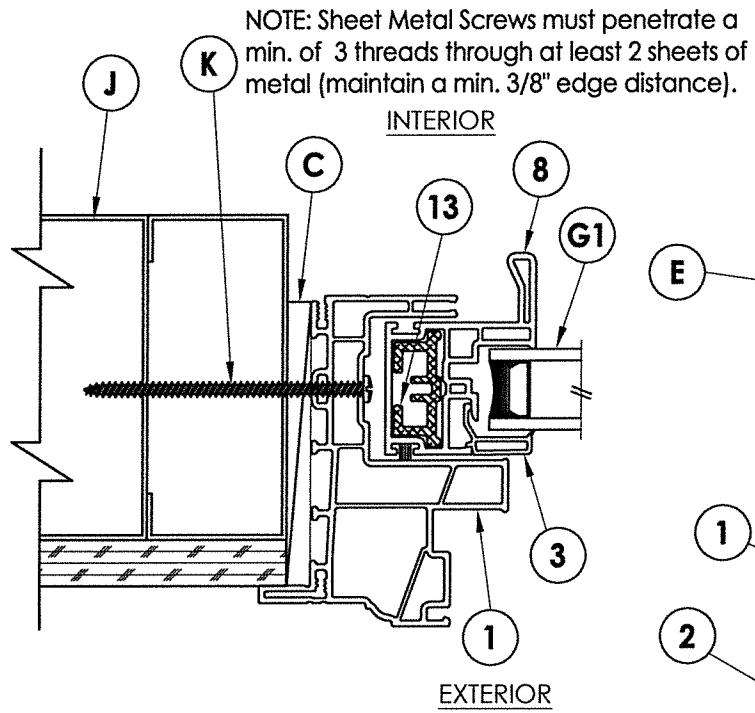
INTERIOR

SEE NOTE 1

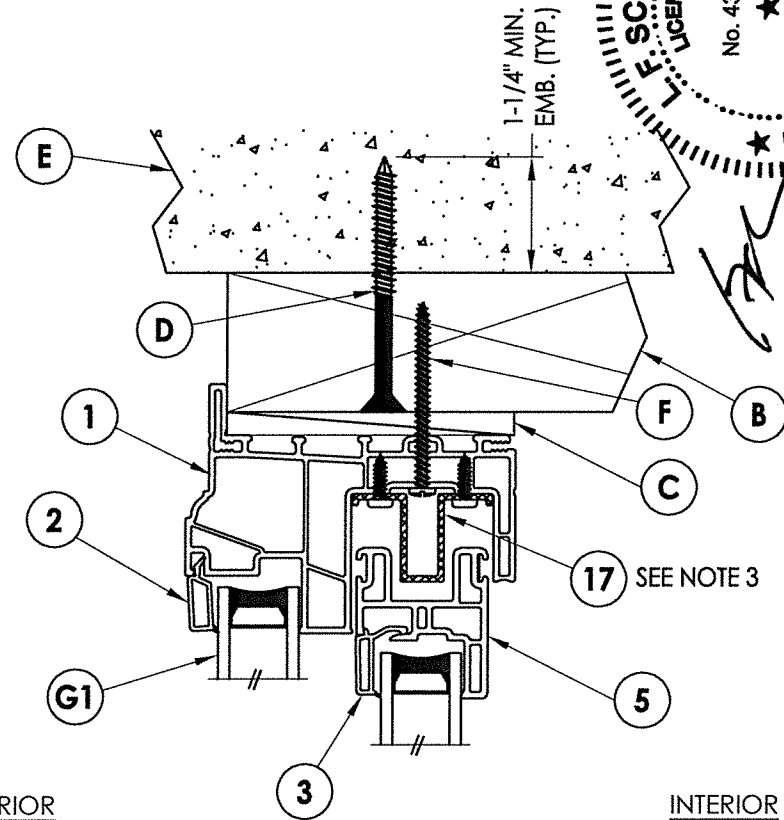
EXTERIOR



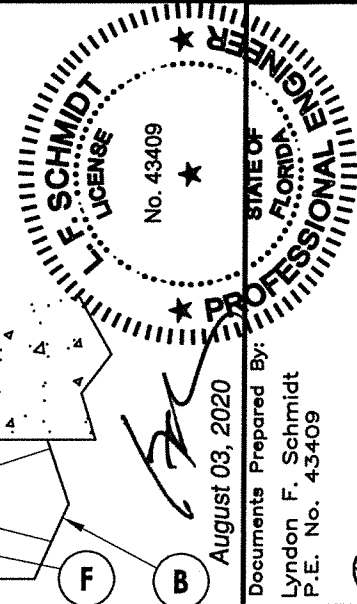
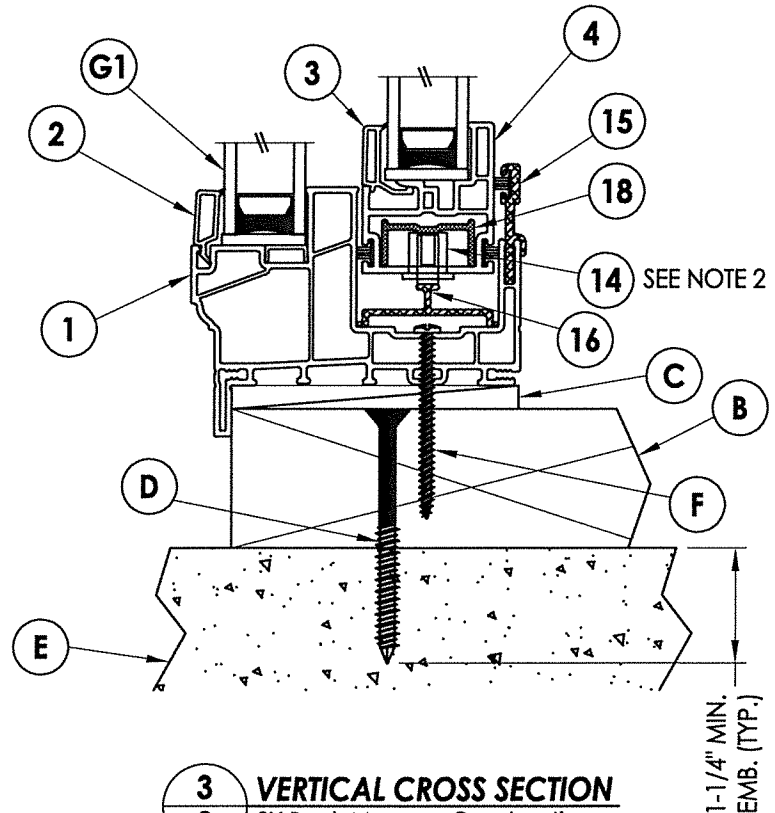
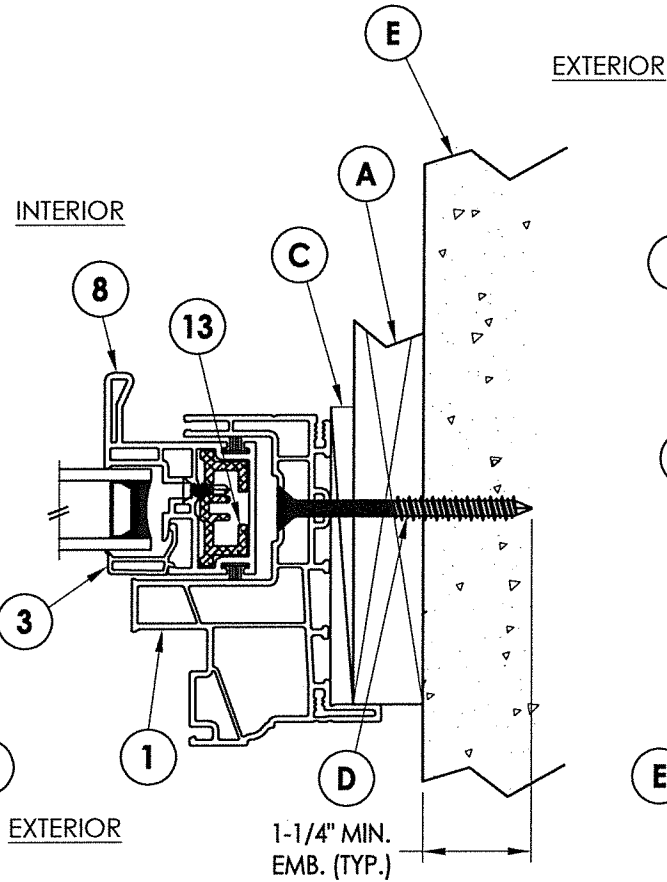
2
2 HORIZONTAL CROSS SECTION
1X Buck Masonry Construction



4
2 HORIZONTAL CROSS SECTION
Metal Stud Construction



3
2 VERTICAL CROSS SECTION
2X Buck Masonry Construction



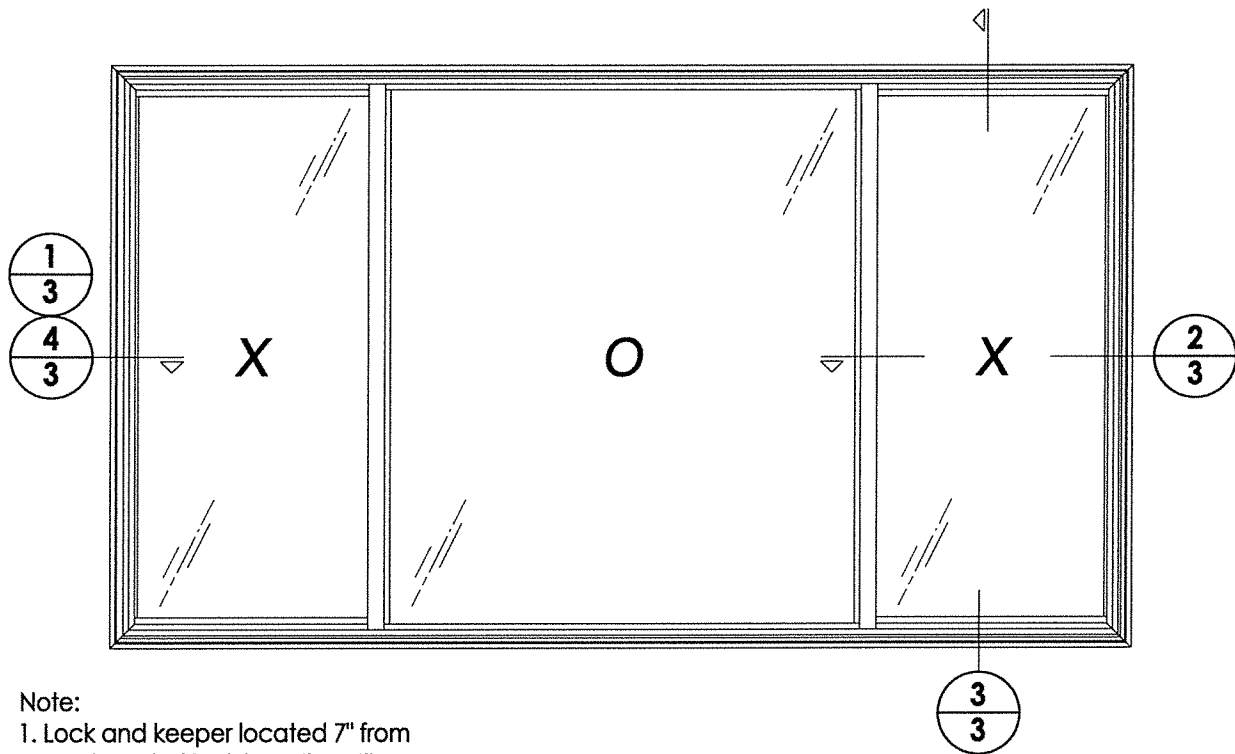
August 03, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

Doers

PART OR ASSEMBLY:
VERTICAL & HORIZONTAL
CROSS SECTIONS

DATE		NO.		DATE	
4	7/30/20	UPDATE TO 7TH ED.	(2020)	FBC	DAC
3	9/22/17	UPDATE TO 6TH ED.	(2017)	FBC	JK
2	9/26/16	ADDED ALT. ANCHOR LOCATION		LFS	
1	6/25/15	UPDATE TO 5TH ED.	(2014)	FBC	LFS
NO.		DATE		BY	

\\dc01\wbc\Clients\Doers PERMANENTVA - Florida Product Approvals\FL-16853 Windows - Horizontal Sliders\C - Drawings\FL-16853 (2020)\FL-16853.8-9.dwg

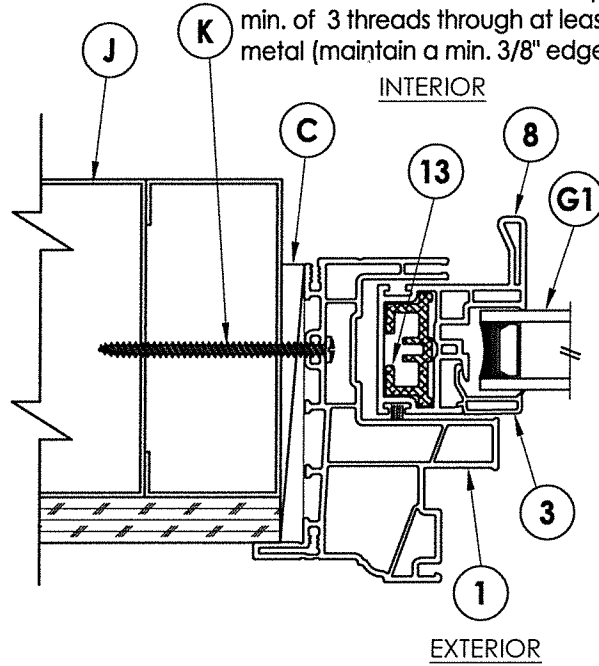


Note:

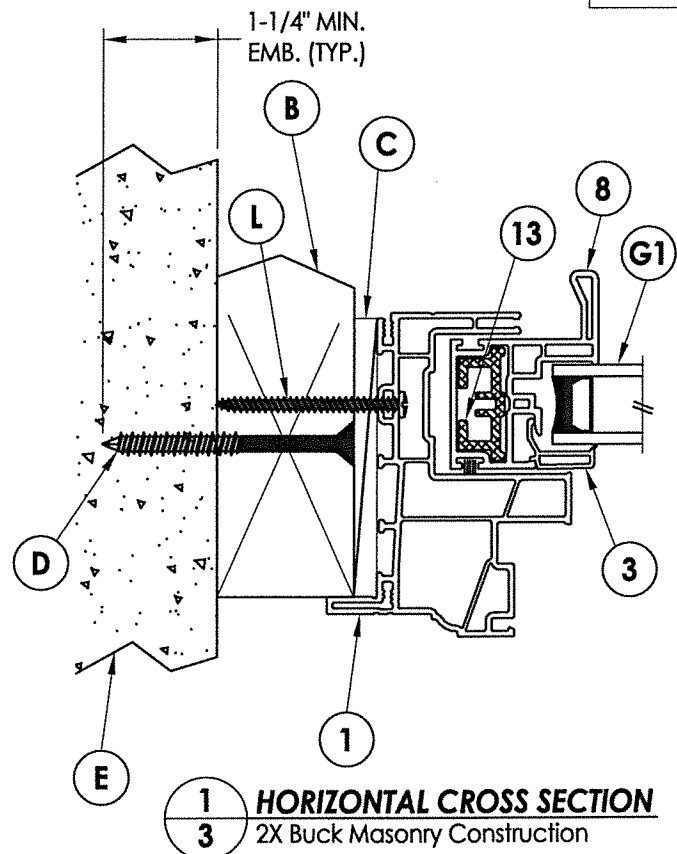
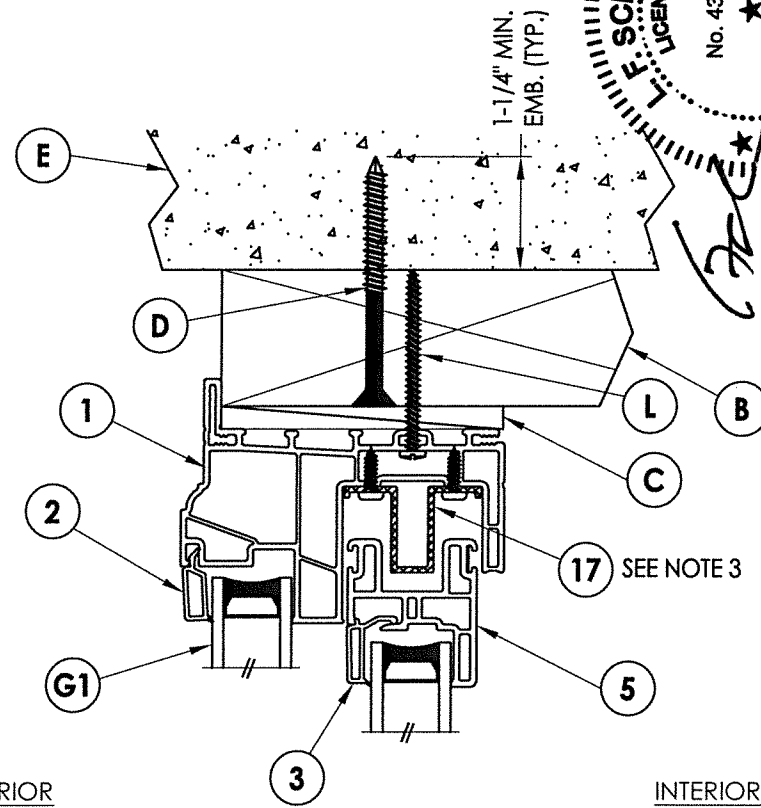
1. Lock and keeper located 7" from each end of lock/meeting stile.
2. Metal roller assembly located 2" from each end of the bottom rail.
3. Anti-lift secured to head with (6) #6 x 1/2" PPH SMS.

ALTERNATE ANCHORING LOCATION
SHOWN ON THIS SHEET

NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through at least 2 sheets of metal (maintain a min. 3/8" edge distance).



4 HORIZONTAL CROSS SECTION
3 Metal Stud Construction

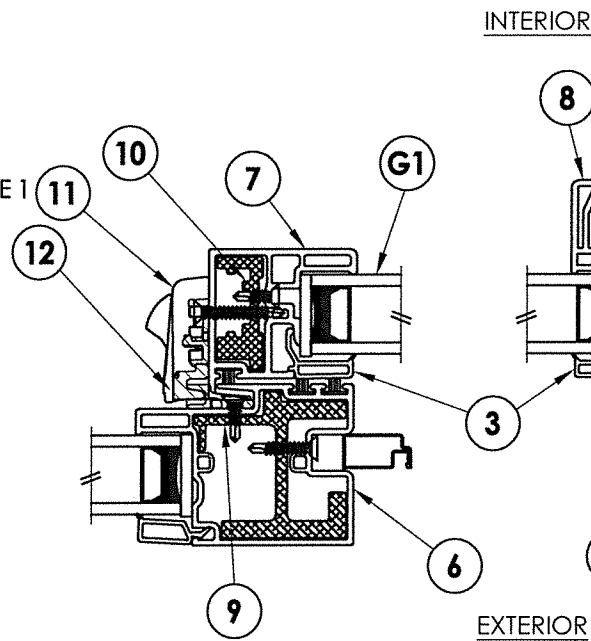


1 HORIZONTAL CROSS SECTION
3 2X Buck Masonry Construction

INTERIOR

EXTERIOR

SEE NOTE 1

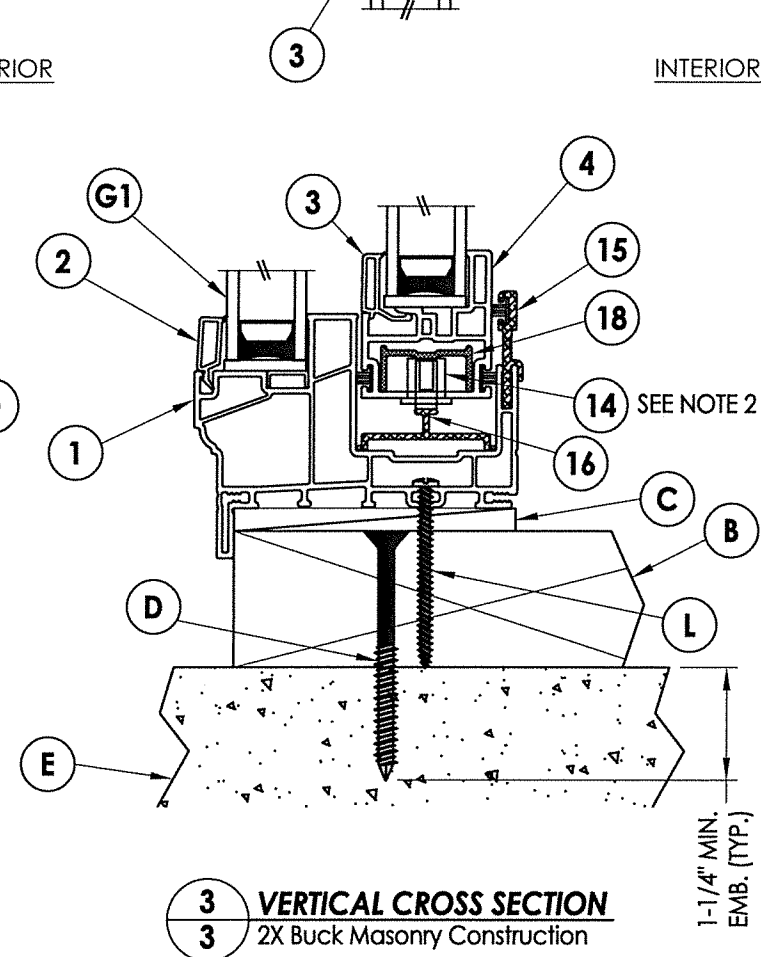


2 HORIZONTAL CROSS SECTION
3 1X Buck Masonry Construction

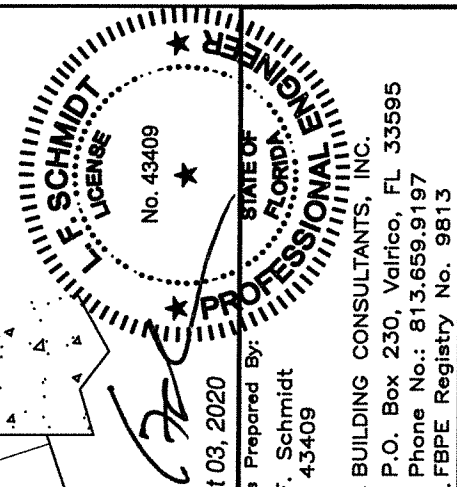
INTERIOR

EXTERIOR

1-1/4\"/>



3 VERTICAL CROSS SECTION
3 2X Buck Masonry Construction



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

August 03, 2020

FLORIDA PROFESSIONAL ENGINEER
No. 43409

PRODUCT: Doors

PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
4	7/30/20	UPDATE TO 7TH ED. (2020) FBC DAC
3	9/22/17	UPDATE TO 6TH ED. (2017) FBC JK
2	9/26/16	ADDED ALT. ANCHOR LOCATION LFS
1	6/25/15	UPDATE TO 5TH ED. (2014) FBC LFS

DATE: 2/20/14

SCALE: N.T.S.

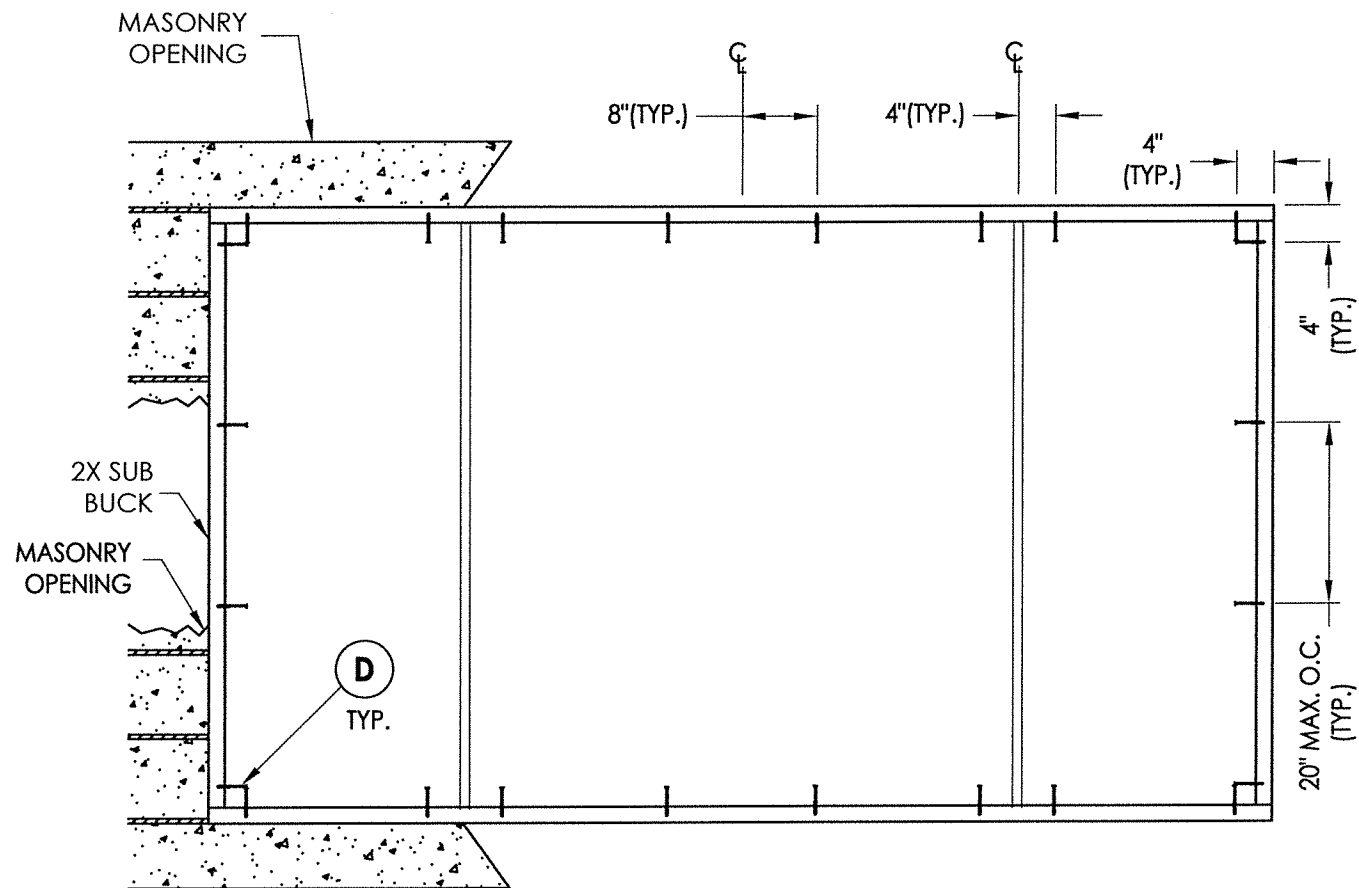
DWG. BY: JK

CHK. BY: LFS

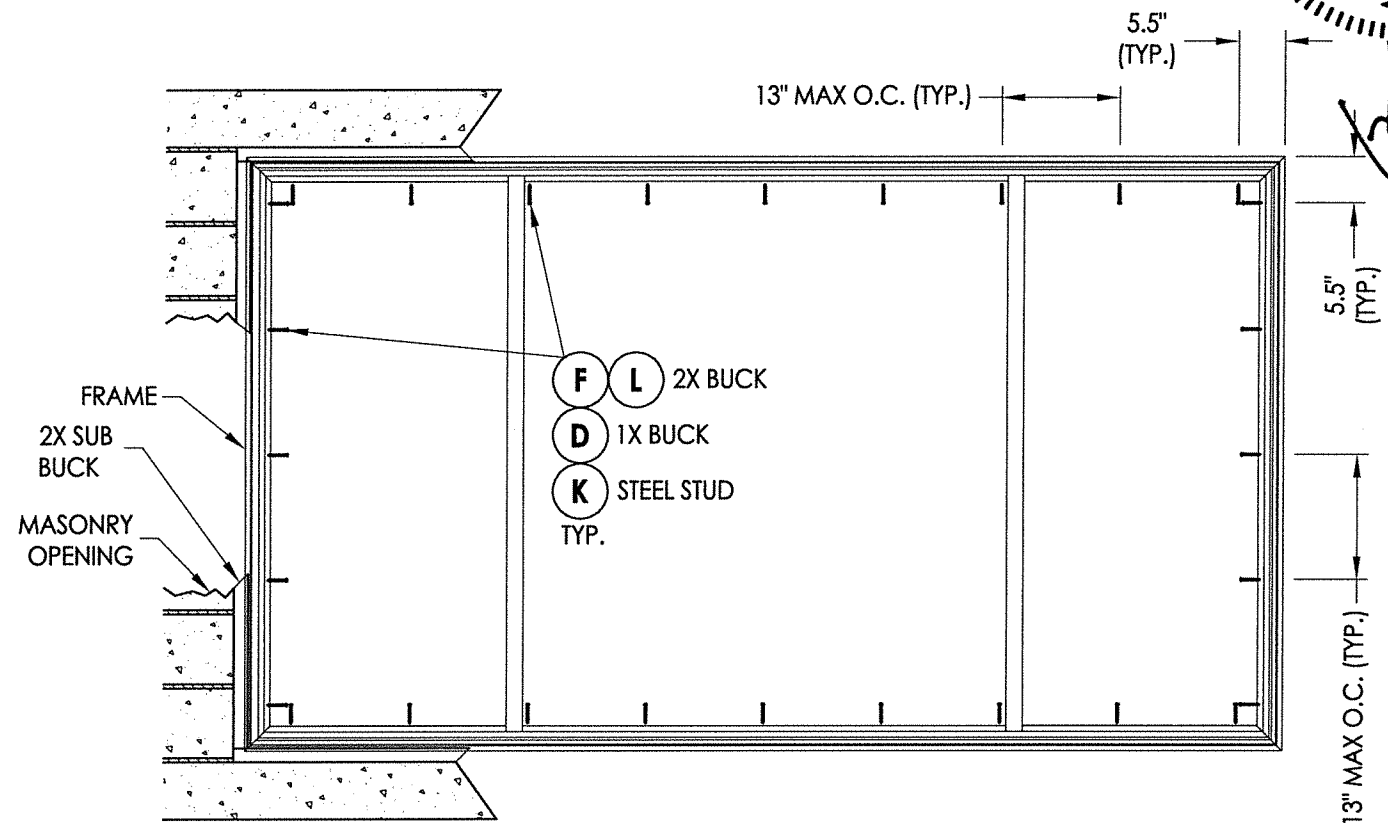
DRAWING NO.: FL-16853.8

SHEET 3 OF 6

\\dc01vwb\c\clients\Doers PERMANENT\A - Florida Product Approvals\FL-16853 Windows - Horizontal Sliders\C - Drawings\FL-16853 (2020)\FL-16853.8-9.dwg



BUCK ANCHORING



FRAME ANCHORING

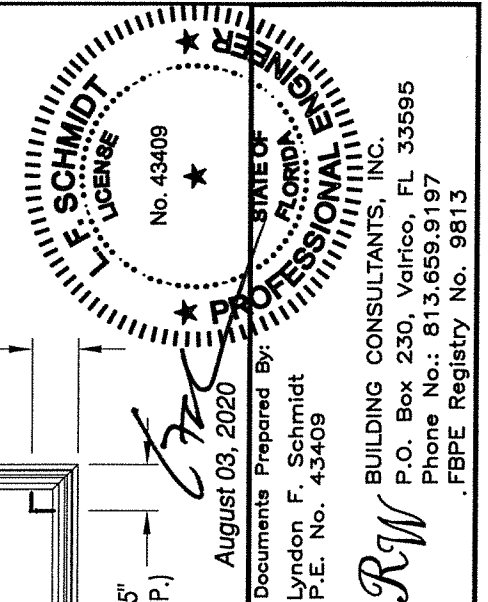
CONCRETE ANCHOR NOTES:

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"
ELCO ULTRA CON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

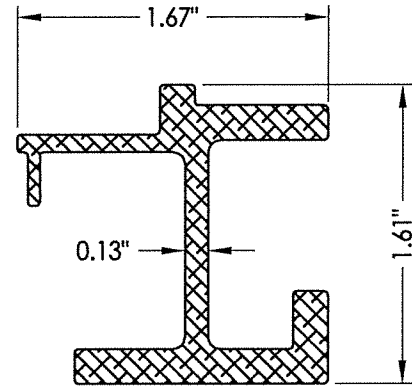
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



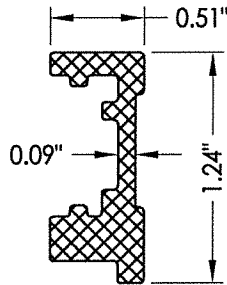
August 03, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		Doers	
		PART OR ASSEMBLY:	
		BUCK & FRAME ANCHORING	
NO.	DATE	REVISIONS	
		BY	
4	7/30/20	UPDATE TO 7TH ED. (2020)	FBC DAC
3	9/22/17	UPDATE TO 6TH ED. (2017)	FBC JK
2	9/26/16	ADDED ALT. ANCHOR LOCATION	LFS
1	6/25/15	UPDATE TO 5TH ED. (2014)	FBC LFS
DATE:		2/20/14	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-16853.8	
SHEET		4	OF 6

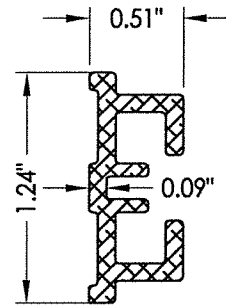
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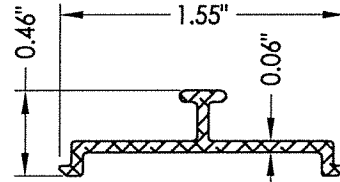
9 MEETING STILE REINFORCEMENT



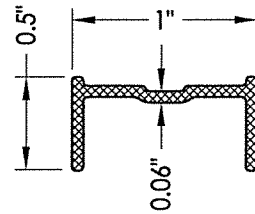
10 LOCK STILE REINFORCEMENT



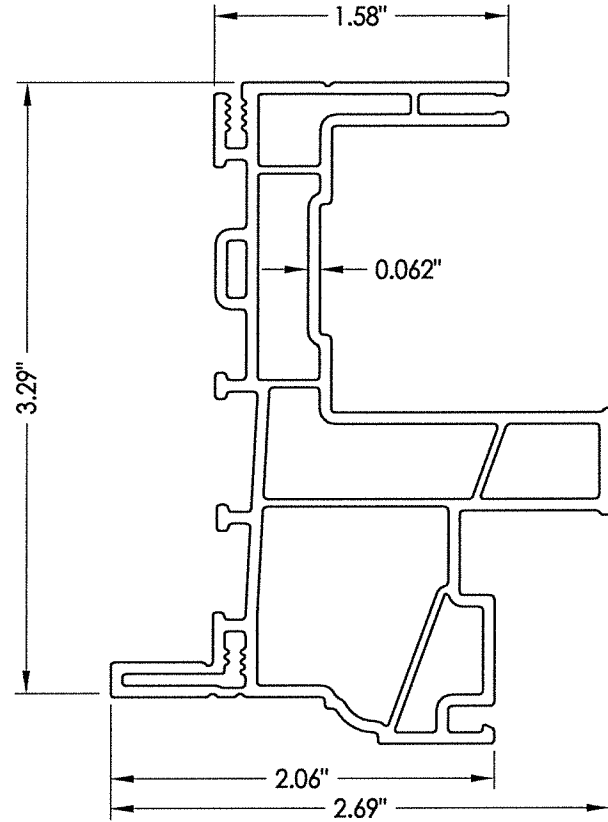
13 HANDLE STILE REINFORCEMENT



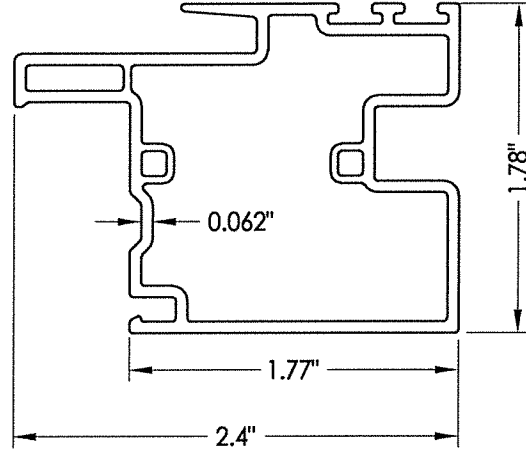
16 ROLLER TRACK



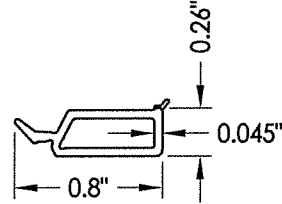
18 BOTTOM RAIL REINFORCEMENT



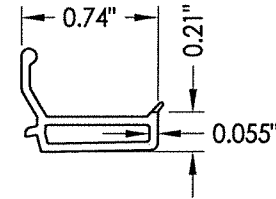
1 FRAME



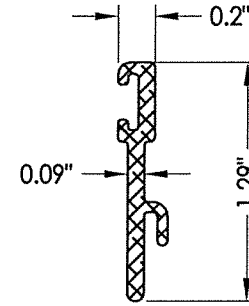
6 MEETING STILE



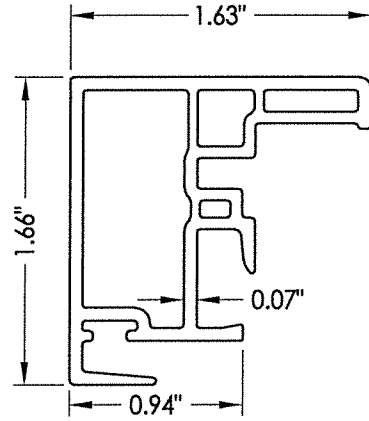
2 GLAZING BEAD



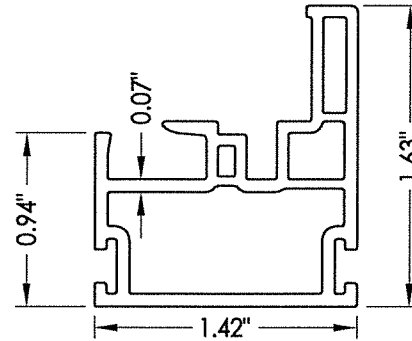
3 GLAZING BEAD



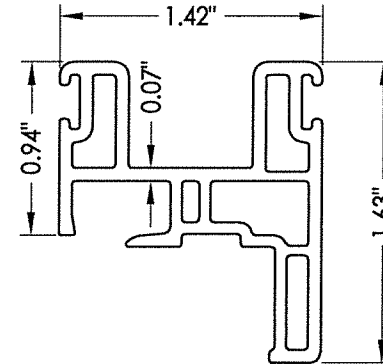
15 SILL RISER



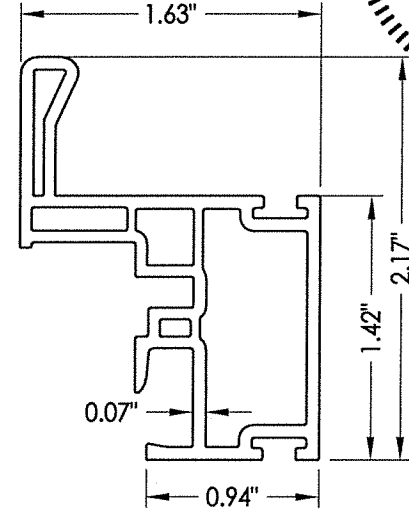
7 LOCK STILE



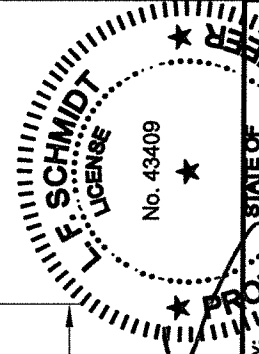
4 BOTTOM RAIL



5 TOP RAIL



8 HANDLE STILE



August 03, 2020

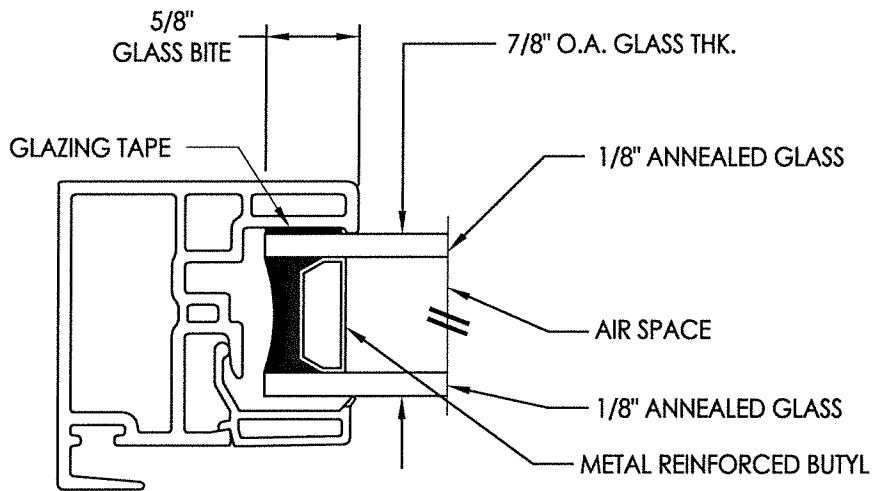
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

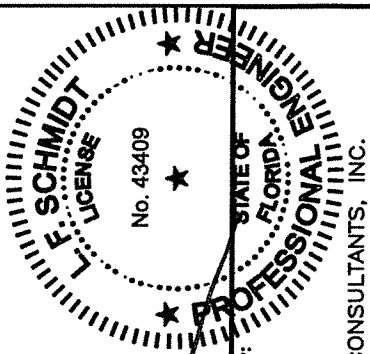
DATE: 2/20/14		PRODUCT: Doers	
SCALE: N.T.S.		PART OR ASSEMBLY:	
DWG. BY: JK		COMPONENTS	
CHK. BY: LFS			
DRAWING NO.: FL-16853.8			
SHEET 5 OF 6			

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK (SG >= 0.42)	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	#10 X 2" PPH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
J	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 ksi min., Fu=45 ksi min.)	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
L	#10 X 2" PPH SMS (1-1/2" MIN. EMBEDMENT)	STEEL
1	EXTRUDED VINYL FRAME (439)*	RIGID PVC
2	EXTRUDED VINYL GLAZING BEAD (736A)*	RIGID PVC
3	EXTRUDED VINYL GLAZING BEAD (425A) *	RIGID PVC
4	BOTTOM RAIL (424B)*	RIGID PVC
5	TOP RAIL (478)*	RIGID PVC
6	MEETING STILE (477)*	RIGID PVC
7	LOCK STILE (476)*	RIGID PVC
8	HANDLE STILE (475B)*	RIGID PVC
9	MEETING STILE REINFORCEMENT	6063 - T5 ALUM
10	LOCK STILE REINFORCEMENT	6063 - T5 ALUM
11	SASH LOCK	-
12	KEEPER	-
13	HANDLE STILE REINFORCEMENT	6063 - T5 ALUM
14	ROLLER (TRUTH #2433-1000)	-
15	SILL RISER	6063 - T5 ALUM
16	ROLLER TRACK	6063 - T5 ALUM
17	ANTI-LIFT ALUMINUM	6063 - T5 ALUM
18	BOTTOM RAIL REINFORCEMENT	6063 - T5 ALUM
20	WEATHERSTRIP (.187" X .290")	-

* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



G1 GLAZING DETAIL



August 03, 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

FOR ASSEMBLY:

[illegible]

DATE: 2/20/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-16853.8

SHEET 6 OF 6