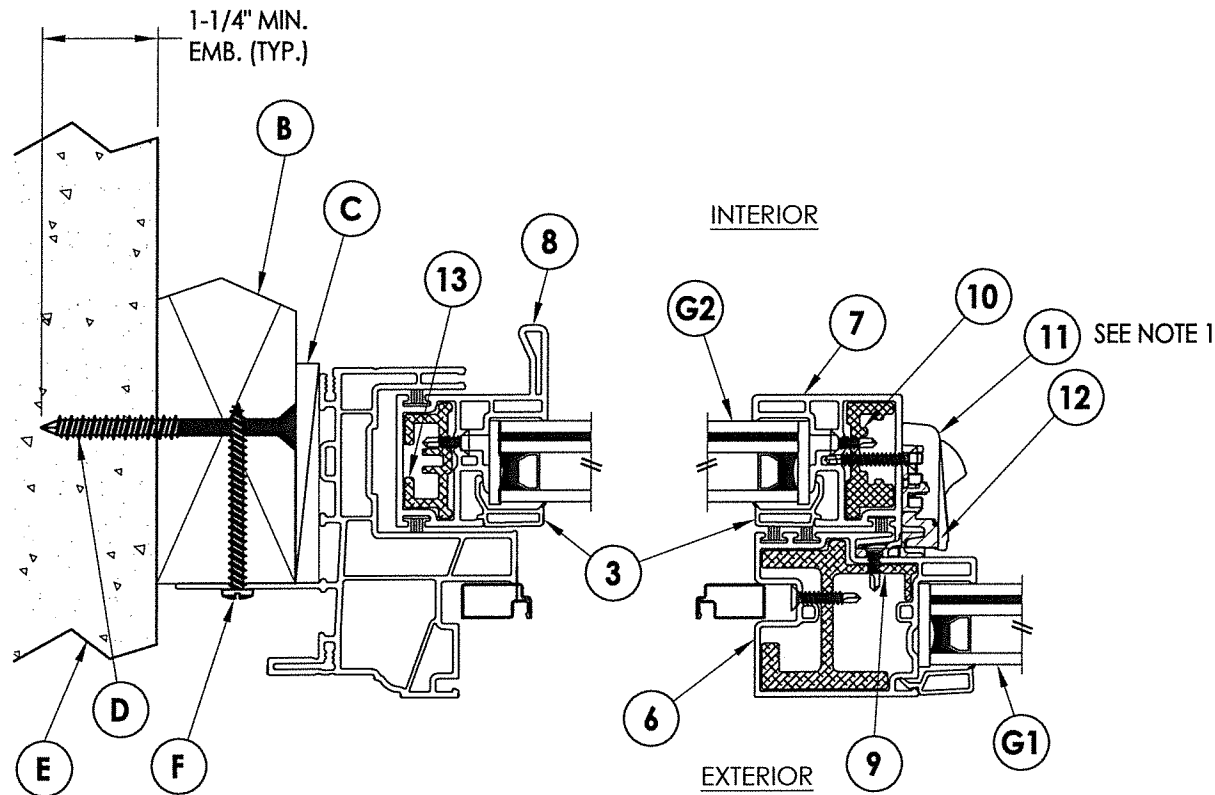
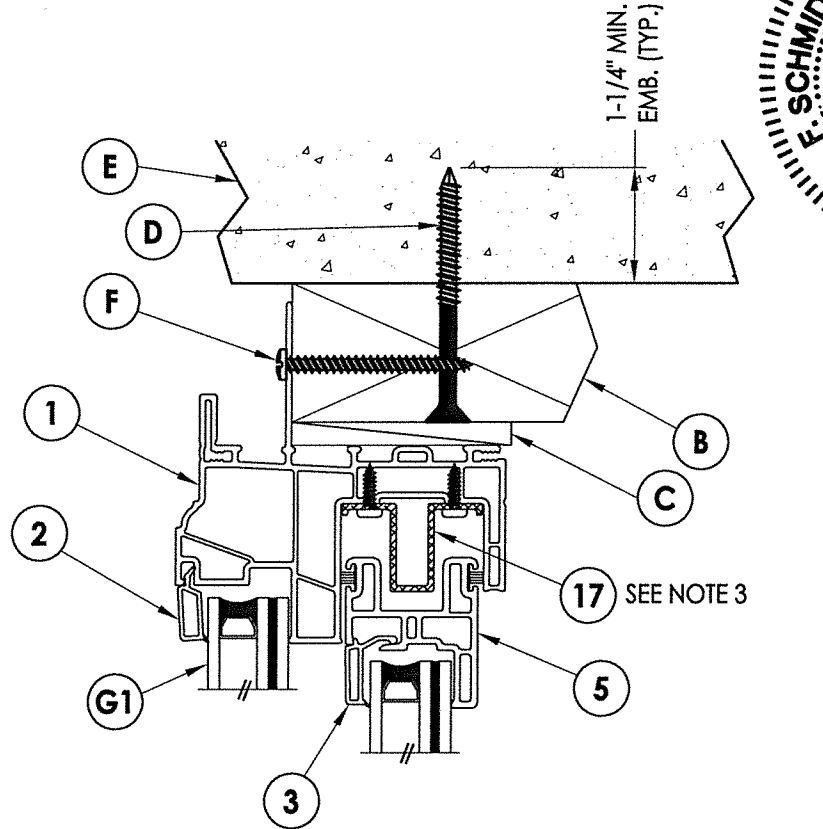
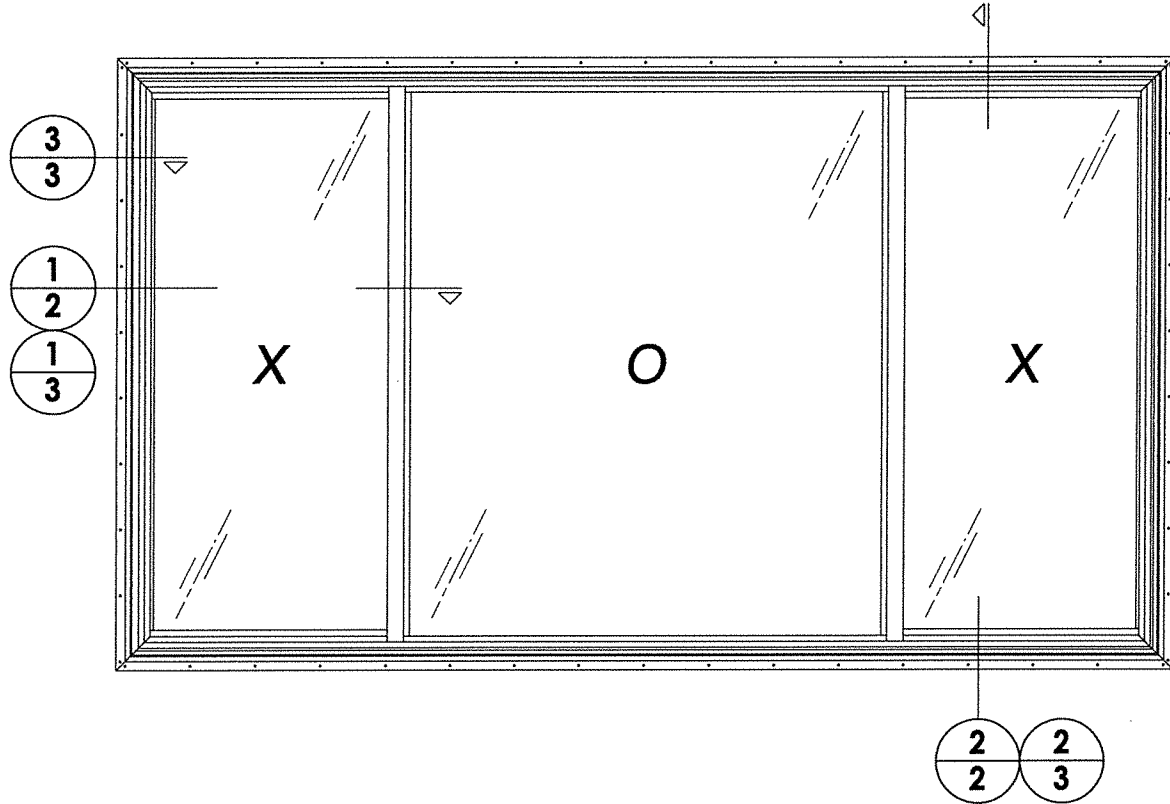


R:\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16853 Windows - Horizontal Sliders\C - Drawings\FL-16853 (2020)\FL-16853.11.dwg, 2.11

- 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.



1 HORIZONTAL CROSS SECTION
2 2X Buck Masonry Construction



2 VERTICAL CROSS SECTION
2 2X Buck Masonry Construction

FL-16853

SCHMIDT

FL

ENGINEER

No. 43409

★

August 03, 2020

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Building Consultants, Inc.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

PRODUCT: Doers

PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
4	7/30/20	UPDATE TO 7TH ED. (2020) FBC
3	7/30/20	UPDATE TO 7TH ED. (2020) FBC
2	12/17/15	REVISE MODEL NAME
1	6/25/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 9/24/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

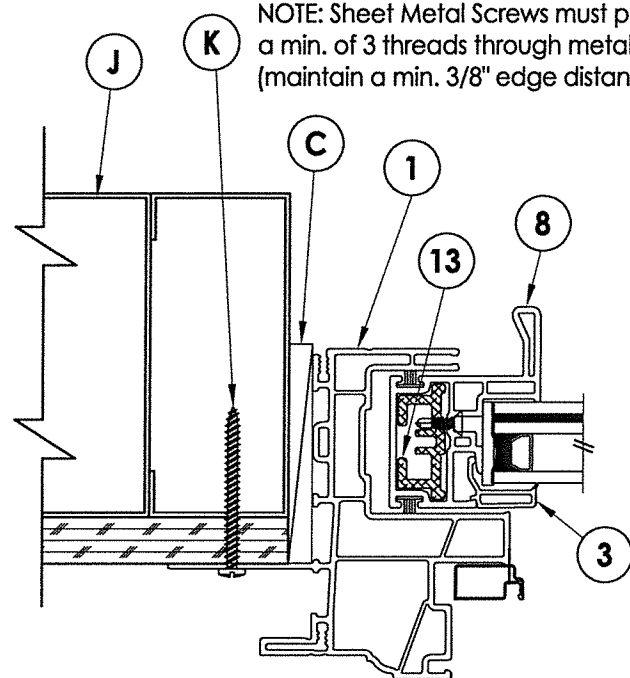
DRAWING NO.: FL-16853.11

SHEET 2 OF 6

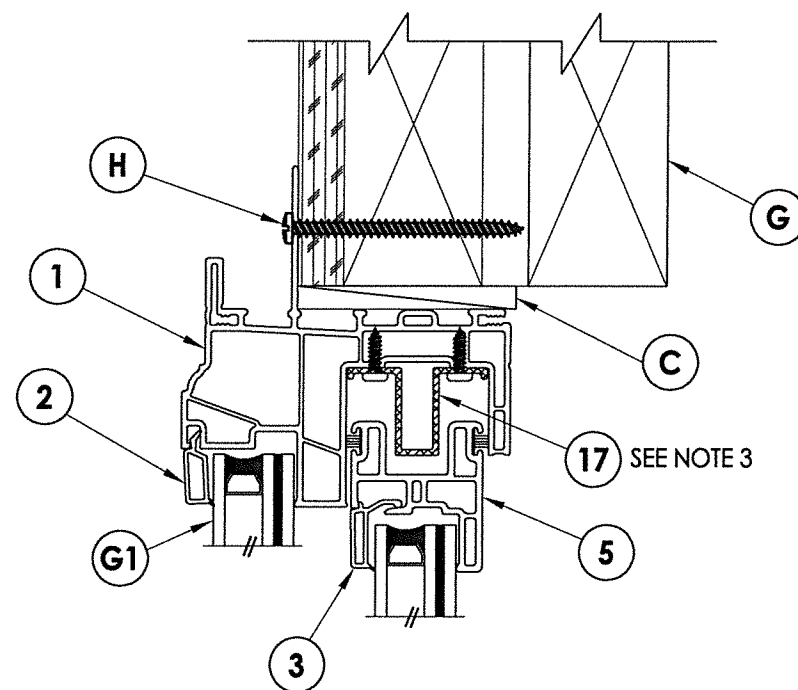
© 2014 R.W. BUILDING CONSULTANTS INC.

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.

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

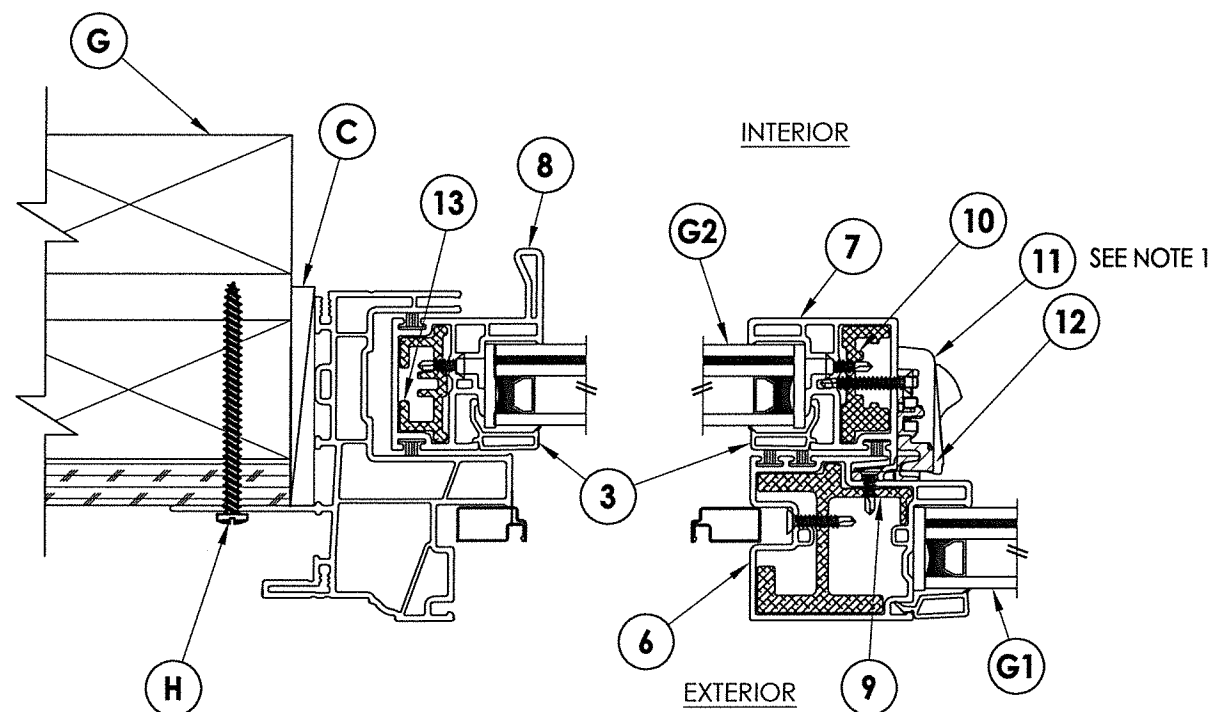


3 HORIZONTAL CROSS SECTION
3 Shown w/ Steel Stud Framing Option

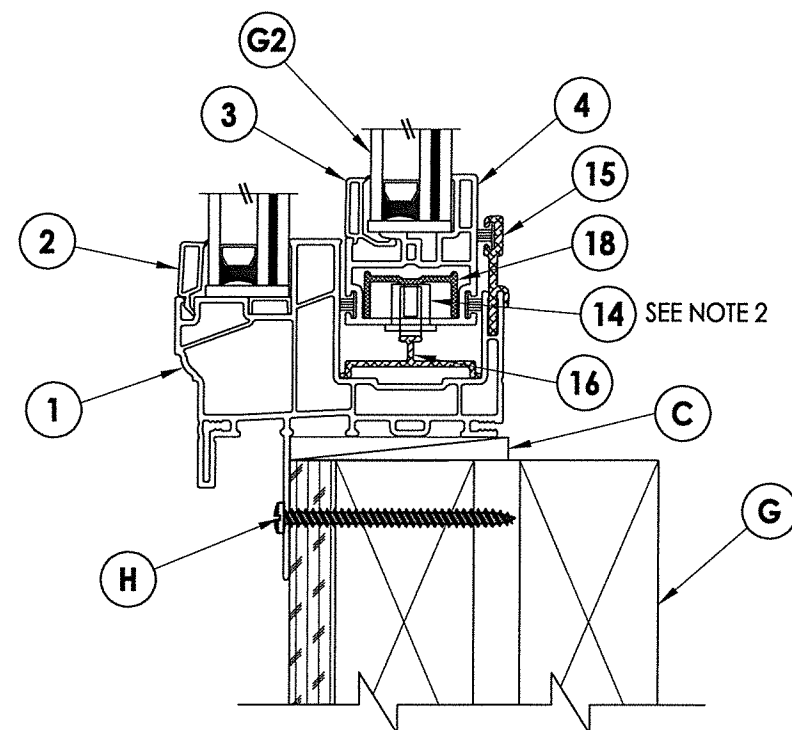


EXTERIOR

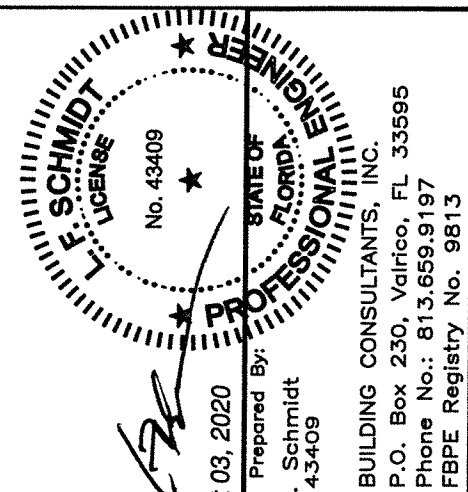
INTERIOR



1 **HORIZONTAL CROSS SECTION**
3 2X Stud Construction



2 VERTICAL CROSS SECTION
3 2X Stud Construction



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

PRODUCT: Doers

OR ASSEMBLY:
VERTICAL & HORIZONTAL
CROSS SECTIONS

4	7/30/20	UPDATE TO 7TH ED.	(2020)	FBC DAC	DAC	
3	7/30/20	UPDATE TO 7TH ED.	(2020)	FBC DAC	DAC	
2	12/17/15	REVISE MODEL NAME		FBC JK	JK	
1	6/25/15	UPDATE TO 5TH ED.	(2014)	FBC LFS	LFS	
NO.	DATE			FBC BY	BY	
						REVISIONS

DATE: 9/24/14

SCALE: N.T.S.

DWG. BY: JK

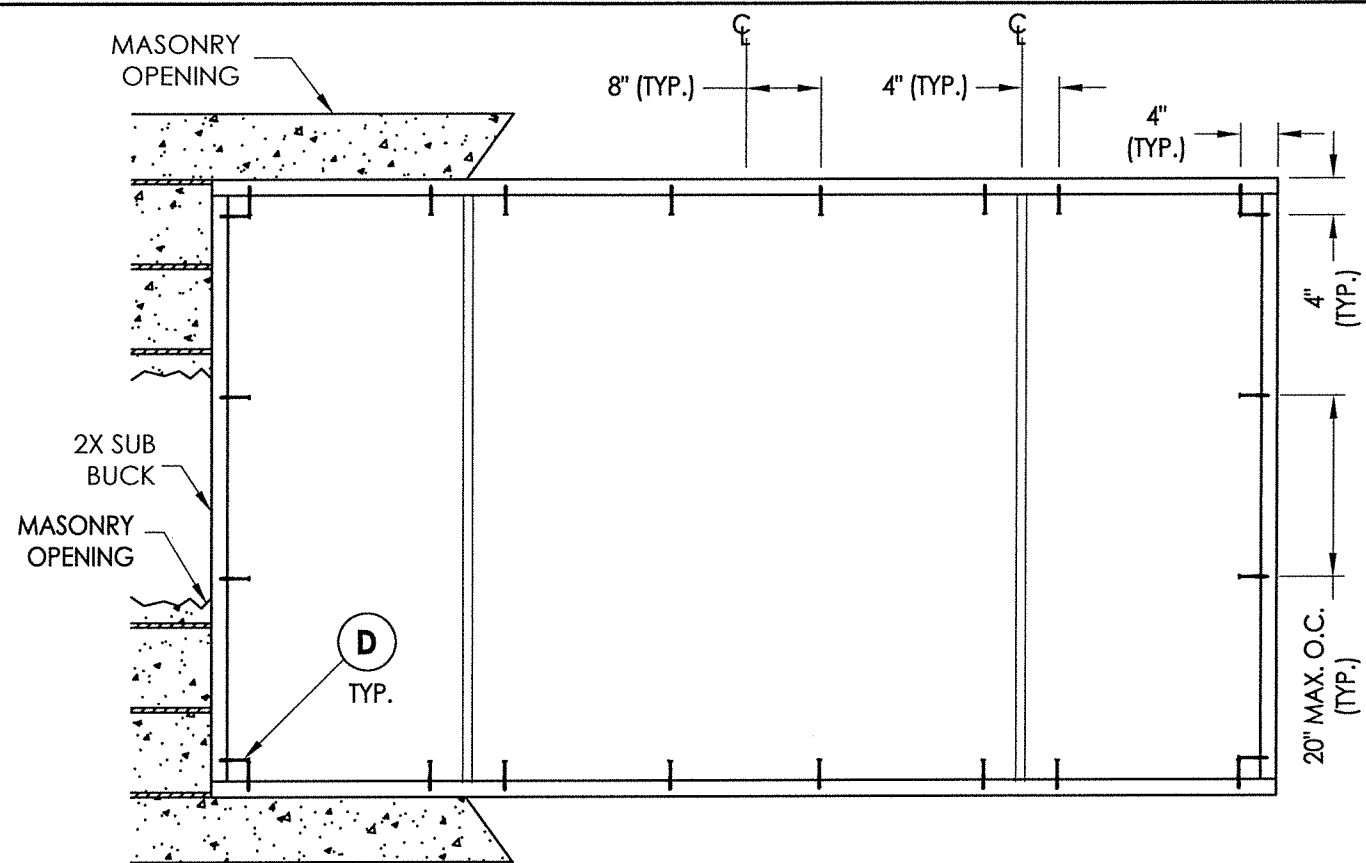
CHK. BY: LFS

DRAWING NO.:
FL-16853.11

SHEET 3 OF 6

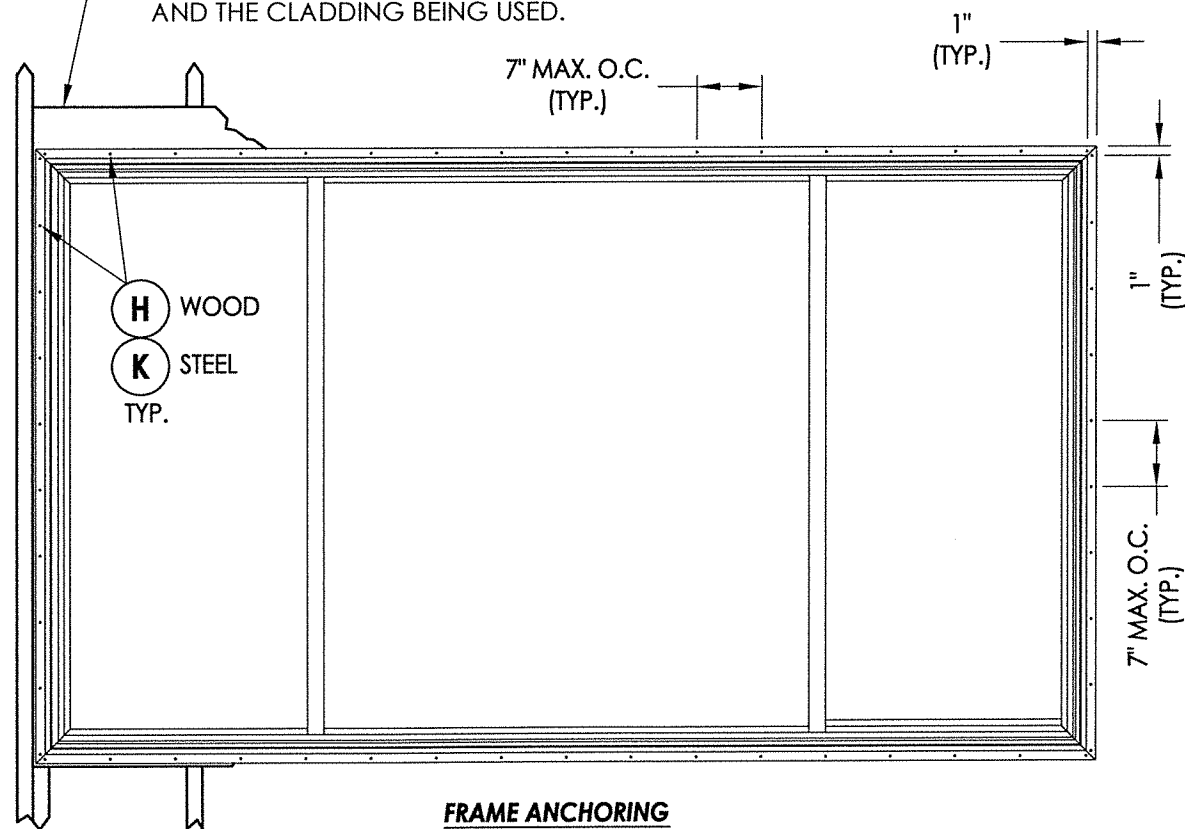
© 2014 R.W. BUILDING CONSULTANTS INC.

\\dc01\vwbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16853 Windows - Horizontal Sliders\C - Drawings\FL-16853 (2020)\FL-16853.11.dwg

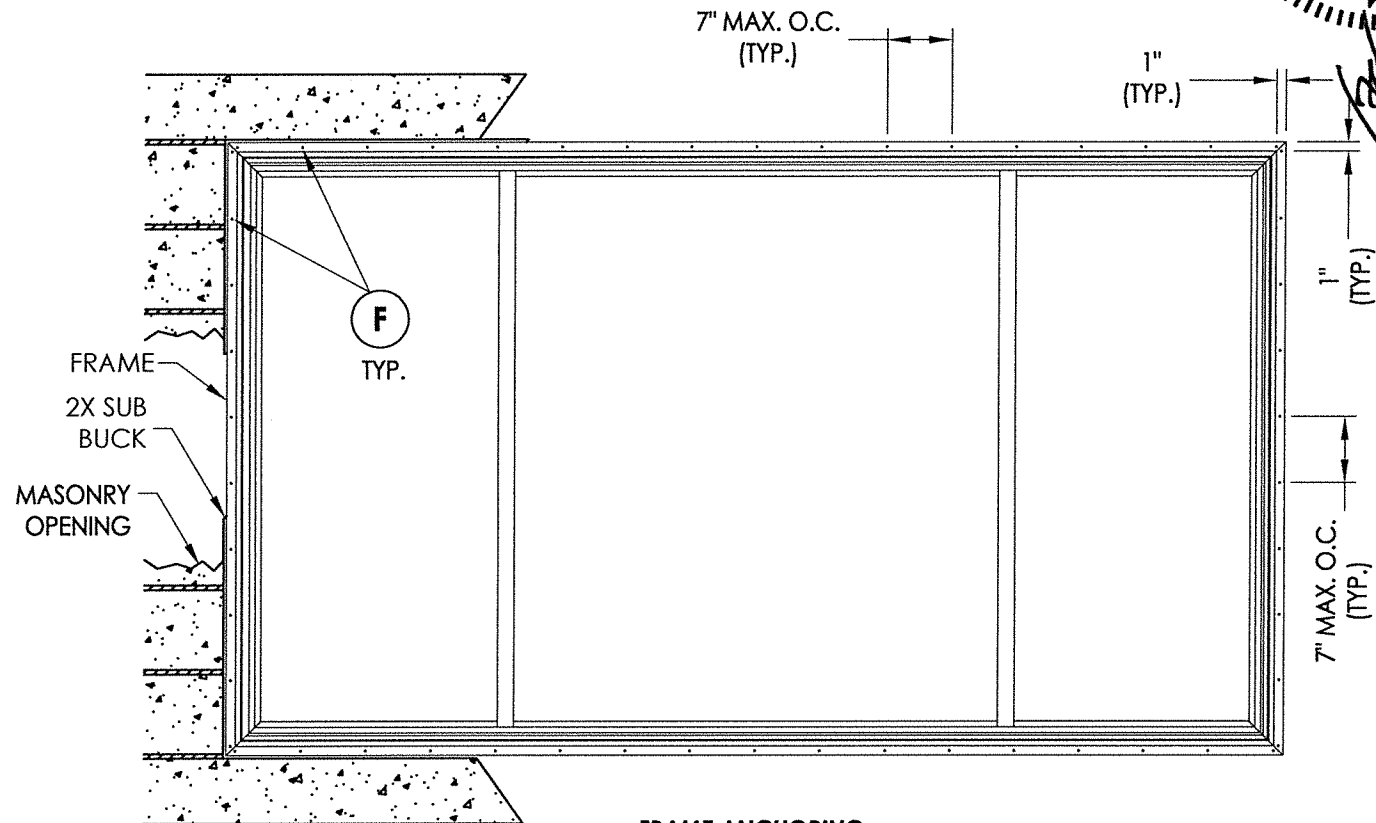


BUCK ANCHORING

2X/STEEL STUD FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD BASED ON WIND LOADS AND THE CLADDING BEING USED.



FRAME ANCHORING Stud Construction



FRAME ANCHORING 2X Buck Masonry Construction

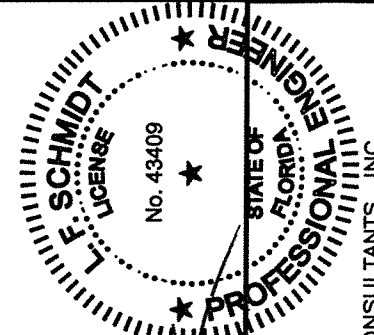
CONCRETE ANCHOR NOTES:

- 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.



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

PRODUCT: Doers

PART OR ASSEMBLY:
BUCK & FRAME
ANCHORING

		REVISIONS			
NO.	DATE	BY	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	12/17/15	REVISE MODEL NAME		JK	
1	6/25/15	UPDATE TO 5TH ED. (2014)	FBC	LFS	

DATE: 9/24/14

SCALE: N.T.S.

DWG. BY: JK

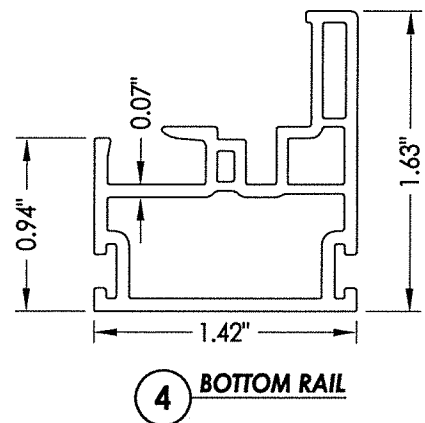
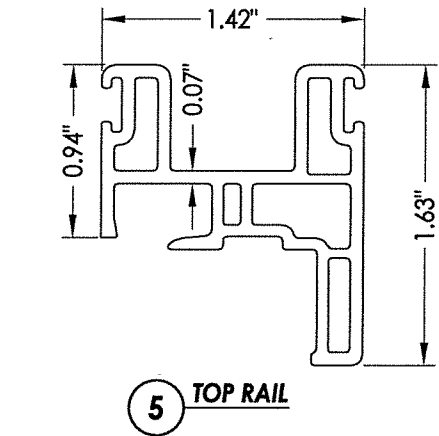
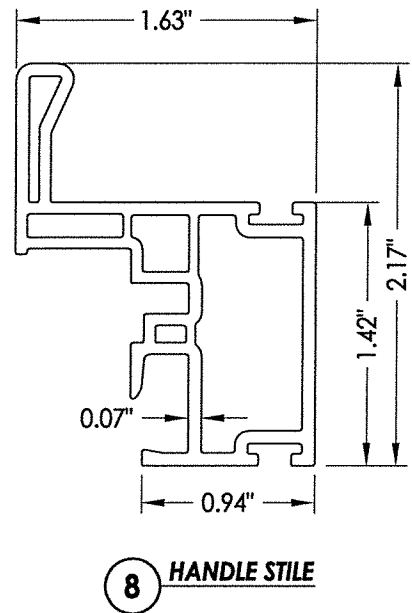
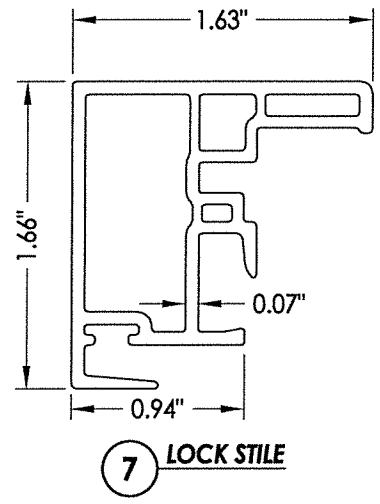
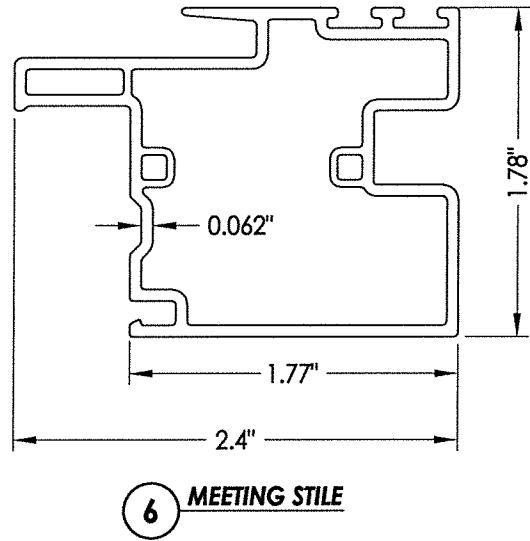
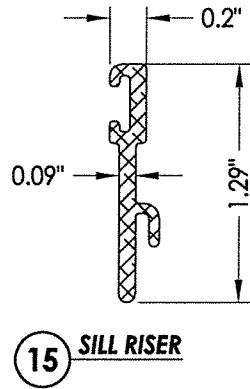
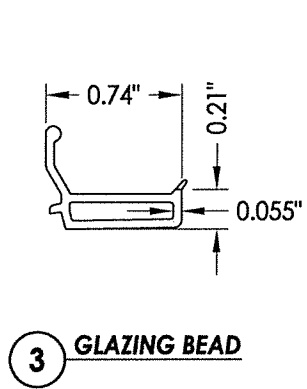
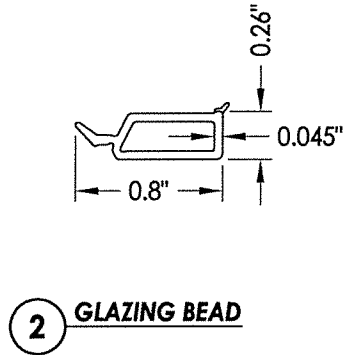
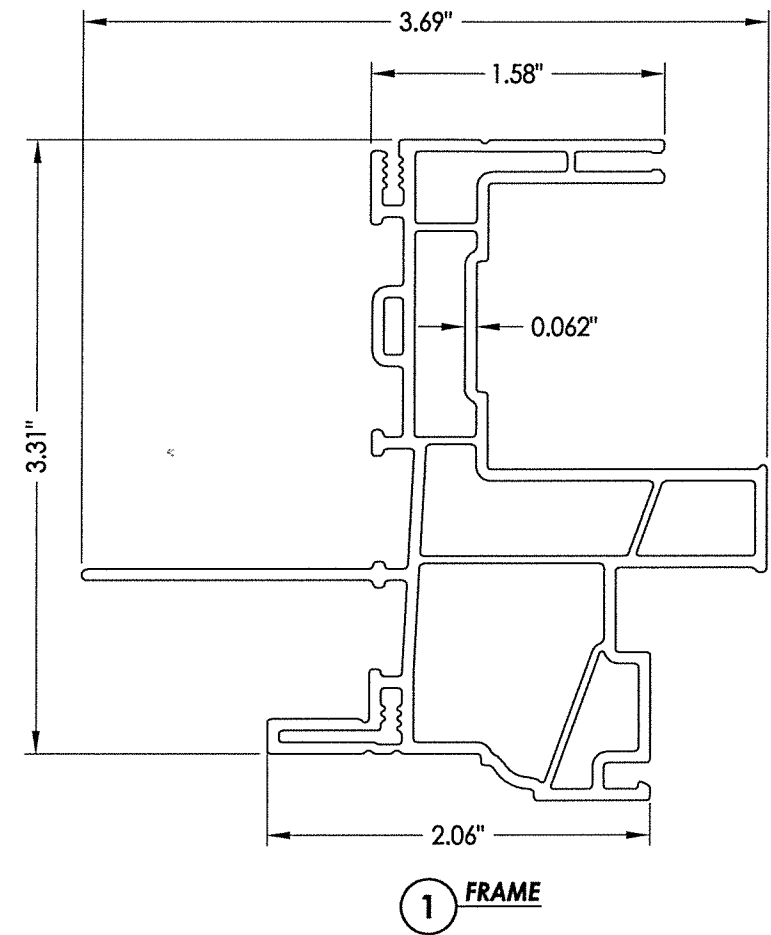
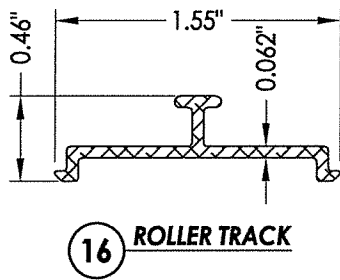
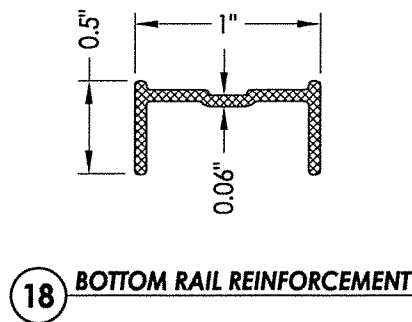
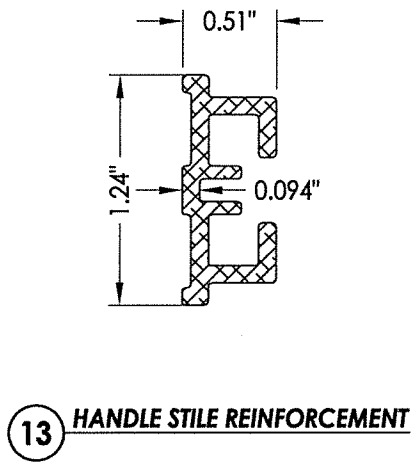
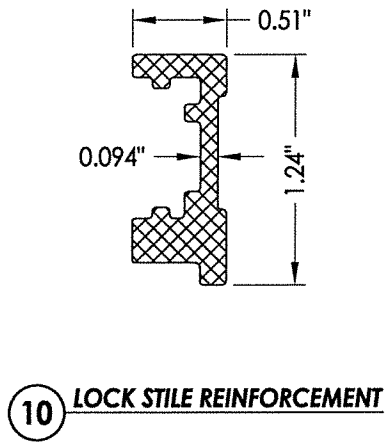
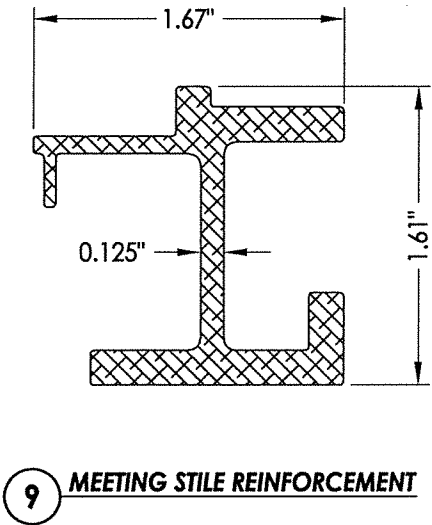
CHK. BY: LFS

DRAWING NO.:

FL-16853.11

SHEET 4 OF 6

R:\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16853 Windows - Horizontal Sliders\C - Drawings\FL-16853 (2020)\FL-16853.11.dwg, 5.11

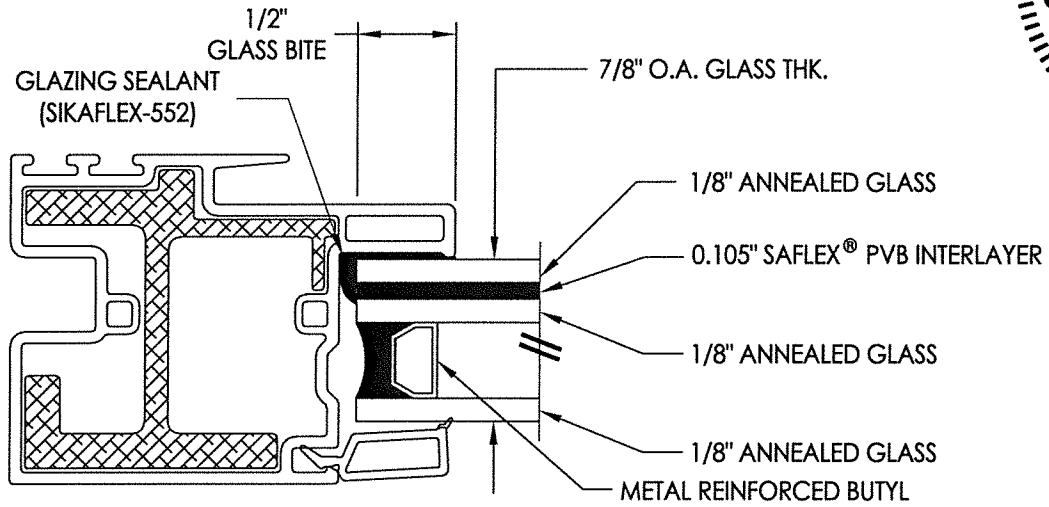


E. SCHMIDT
P.E. LICENSE
No. 43409
August 03, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
STATE OF FLORIDA
PROFESSIONAL ENGINEER
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		Doers	
PART OR ASSEMBLY:		COMPONENTS	
NO.	DATE	REVISIONS	BY
4	7/30/20	UPDATE TO 7TH ED. (2020)	DAC
3	7/30/20	UPDATE TO 7TH ED. (2020)	DAC
2	12/17/15	REVISE MODEL NAME	JK
1	6/25/15	UPDATE TO 5TH ED. (2014)	LFS
DATE: 9/24/14		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-16853.11		SHEET 5 OF 6	

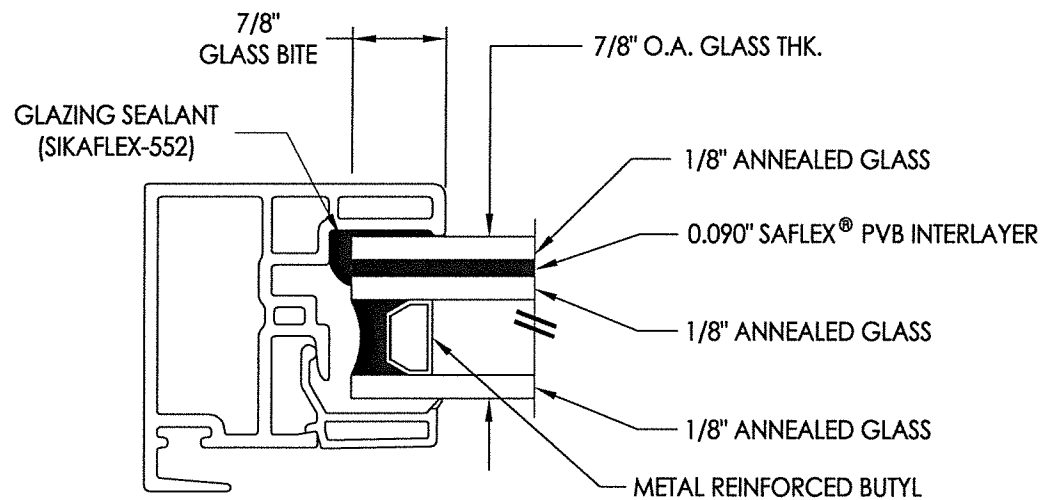
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK (SG >= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH SMS (1-3/4" MIN. EMBEDMENT)	STEEL
G	2X STUD (SG >= 0.55)	WOOD
H	#10 X 2-1/2" PPH SMS (1-3/4" 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
1	EXTRUDED VINYL FRAME (437)*	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".

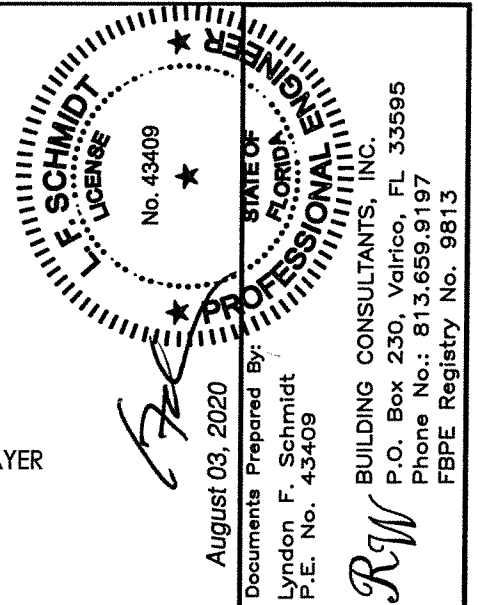


G1 GLAZING DETAIL
Fixed Lite

NOTE: GLAZING > 36" WIDE REQUIRES TWO (2) SETTING BLOCKS
CONFORMING TO FBC SECTION 2411.3.3.1



G2 **GLAZING DETAIL**
Operable Lite

[illegible]