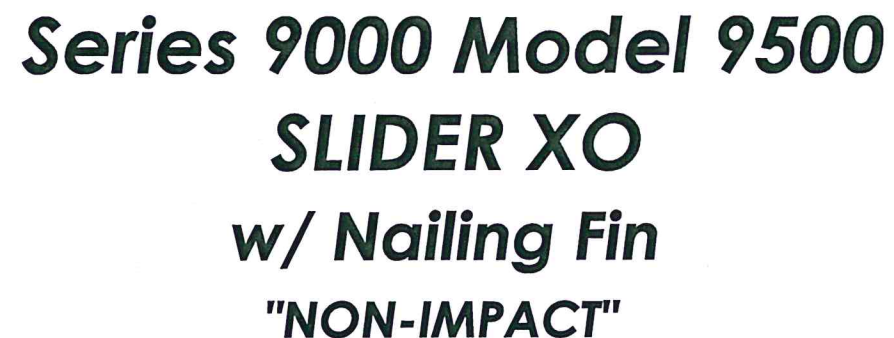
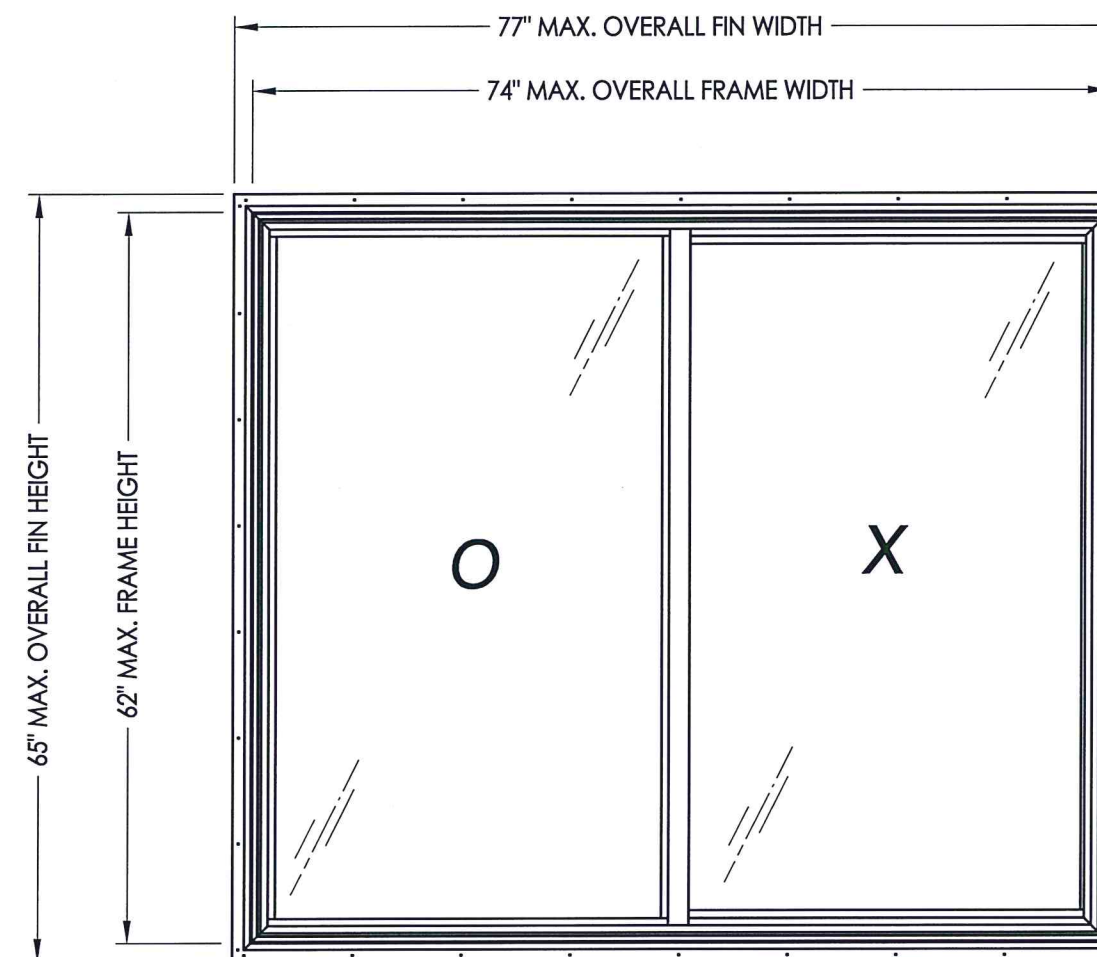


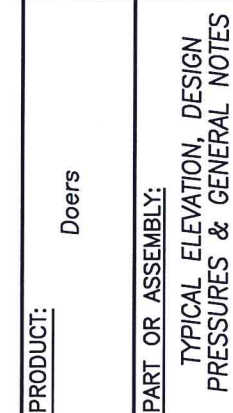


1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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. 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 FIN DIMENSION	MAX. OVERALL FRAME DIMENSION	MAX DAY LITE DIMENSION (OPERABLE)	MAX DAY LITE DIMENSION (FIXED)	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POS.	NEG.
77.0" X 65.0"	74.0" X 62.0"	33.5" X 56.31"	33.5" X 57.75"	G1	+45.0	-45.0
				G2	+55.0	-65.0
63.0" X 63.0"	60.0" X 60.0"	26.5" X 54.31"	26.5" X 55.75"	G1	+55.0	-55.0

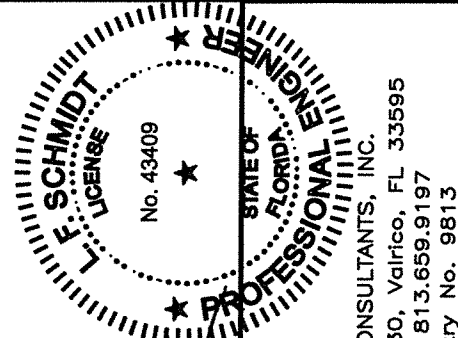
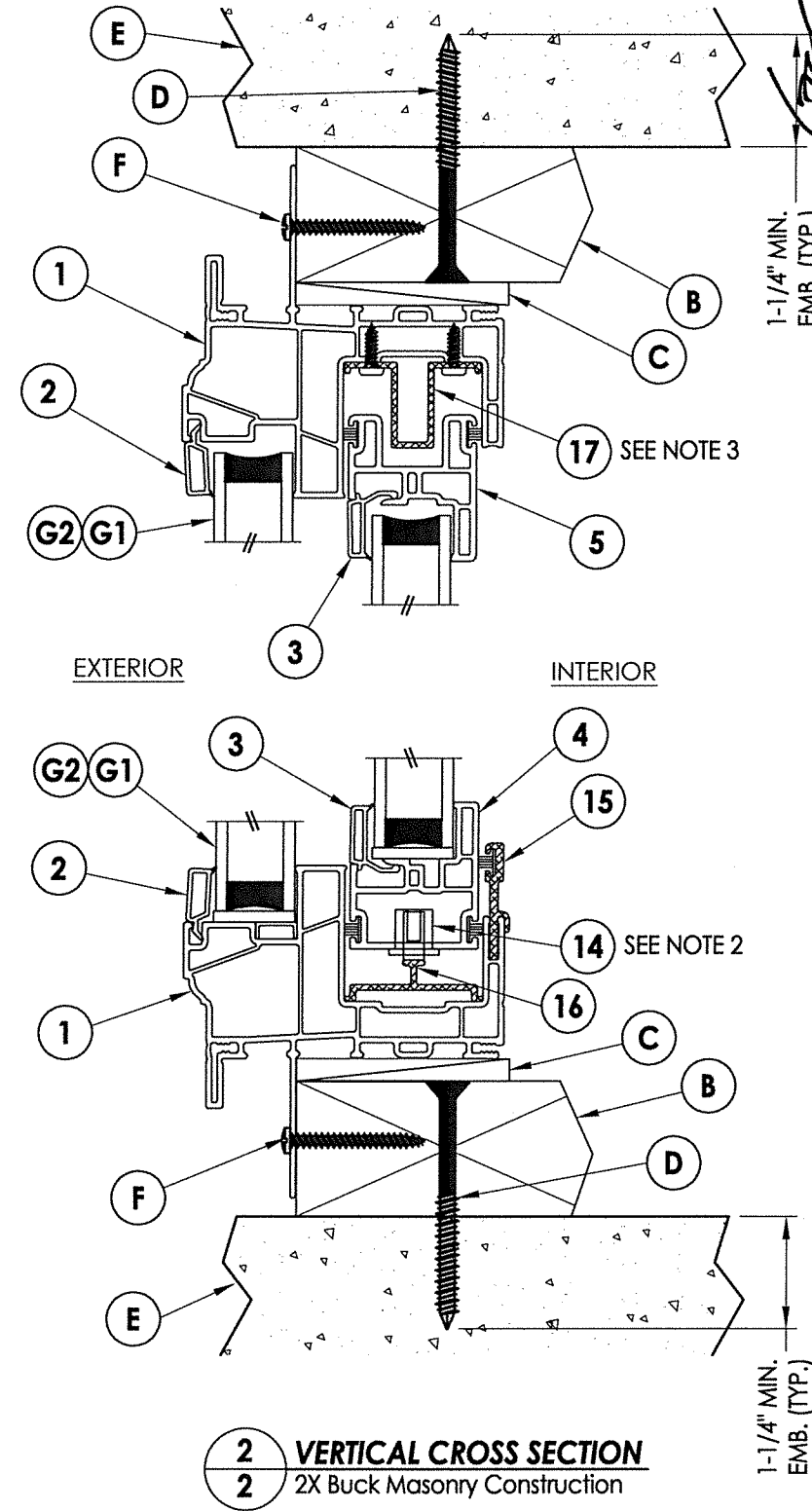
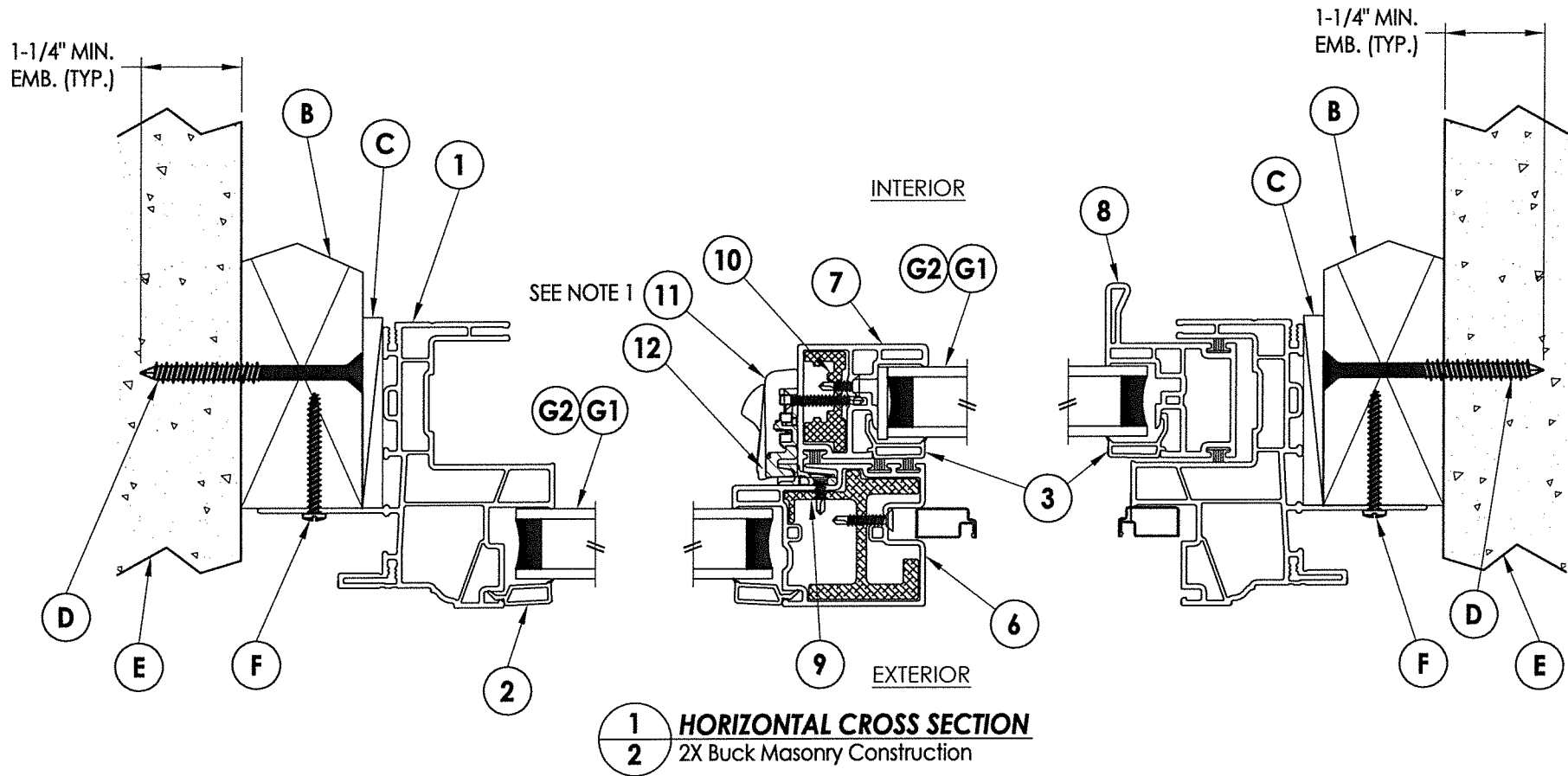
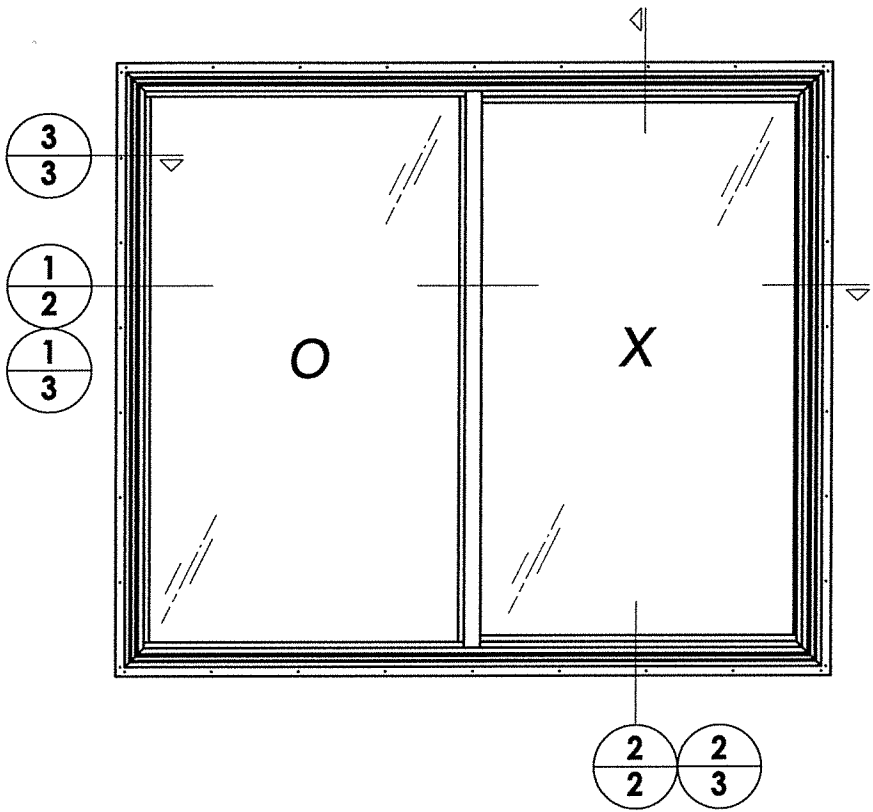
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DATE:	2/17/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16853.1
SHEET	1 OF 6

[illegible]

R:\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16853 Windows - Horizontal Sliders\C - Drawings\FL-16853 (2020)\FL-16853.1.dwg, 2-1

- 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.



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

RW
BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: Doors		PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS	
DATE: 2/17/14		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-16853.1		SHEET 2 OF 6	
NO. DATE		REVISIONS	
3	7/30/20	UPDATE TO 7TH ED. (2020)	FBC DAC
2	9/22/17	UPDATE TO 6TH ED. (2017)	FBC JK
1	6/25/15	UPDATE TO 5TH ED. (2014)	FBC LFS

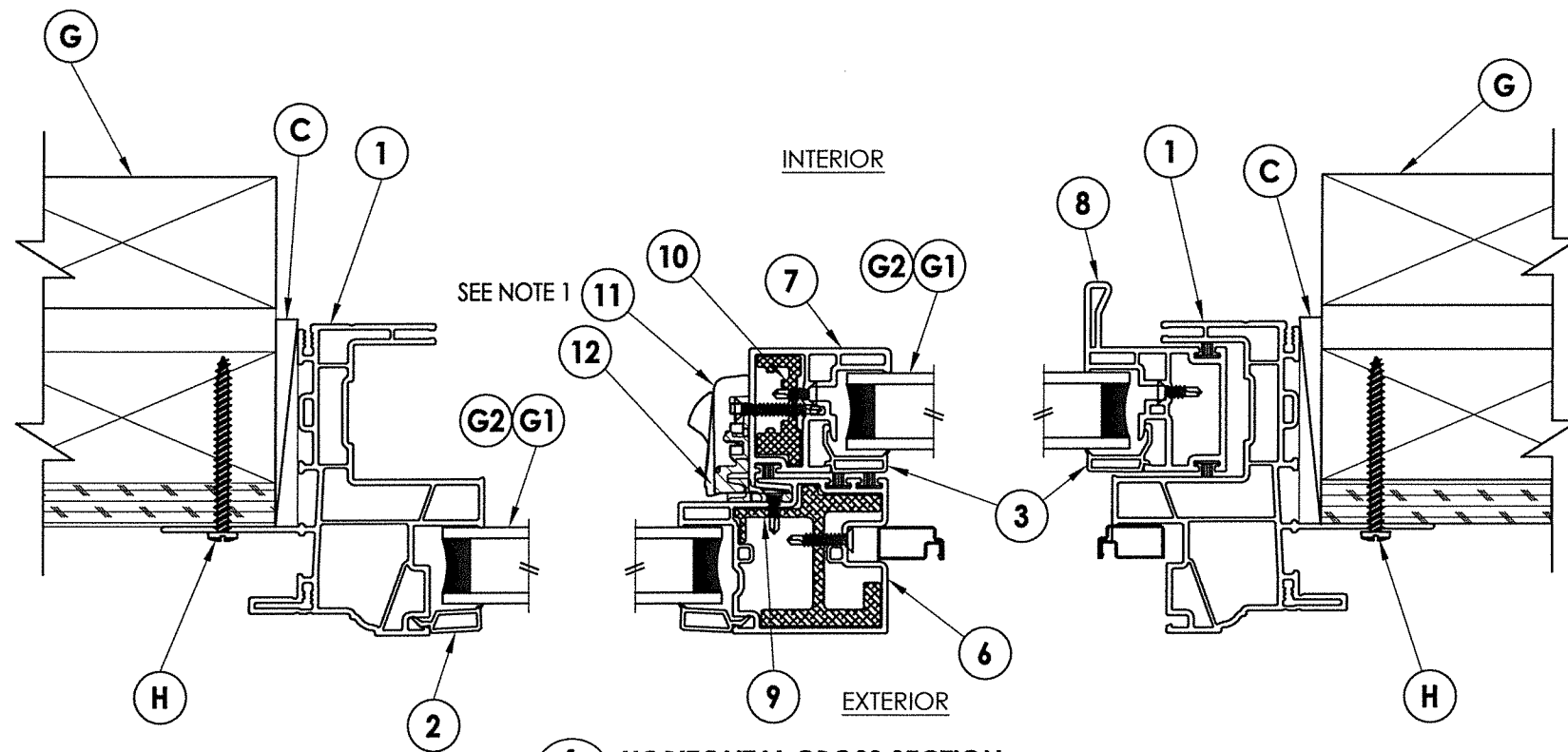
1. Lock and keeper located 7" from each end of lock/meeting stile.
2. Metal roller assembly located 2" from each end of the bottom rail.
3. Anti-lift secured to head with (6) #6 x 1/2" PPH SMS.

NOTE: Sheet Metal Screws must be installed with a min. of 3 threads through material (maintain a min. 3/8" edge distance).

The diagram illustrates a cross-section of a window assembly. Key components are labeled as follows:

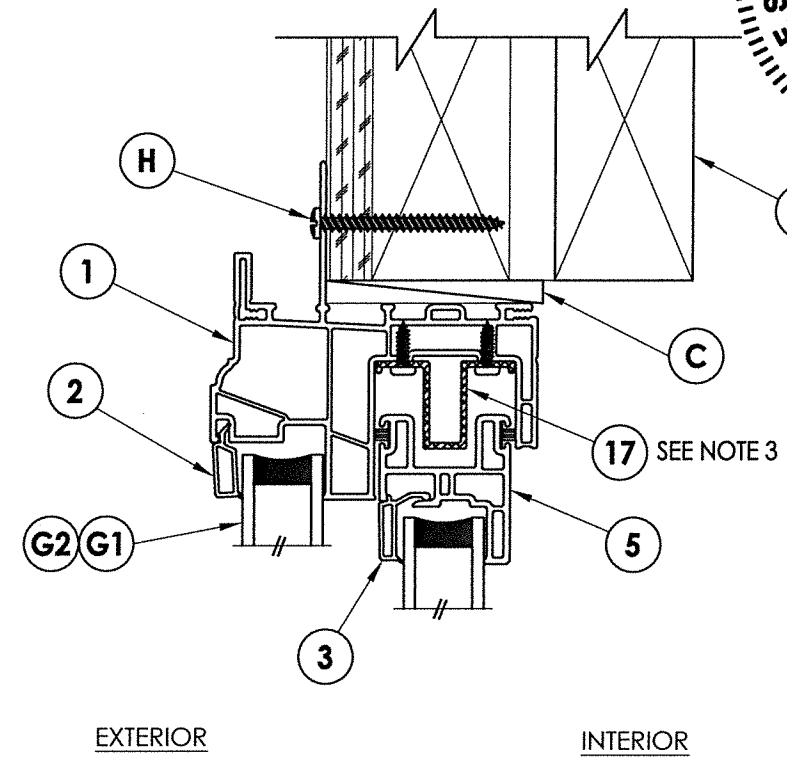
- J**: Points to the main window frame or sash.
- K**: Points to a vertical screw or fastener passing through the frame.
- C**: Points to a vertical component, likely a weatherstripping or seal.
- 1**: Points to a horizontal component, possibly a track or guide.
- 2**: Points to a small component at the bottom of the assembly.
- G1** and **G2**: Point to components on the right side, likely part of a hinge or latch mechanism.

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

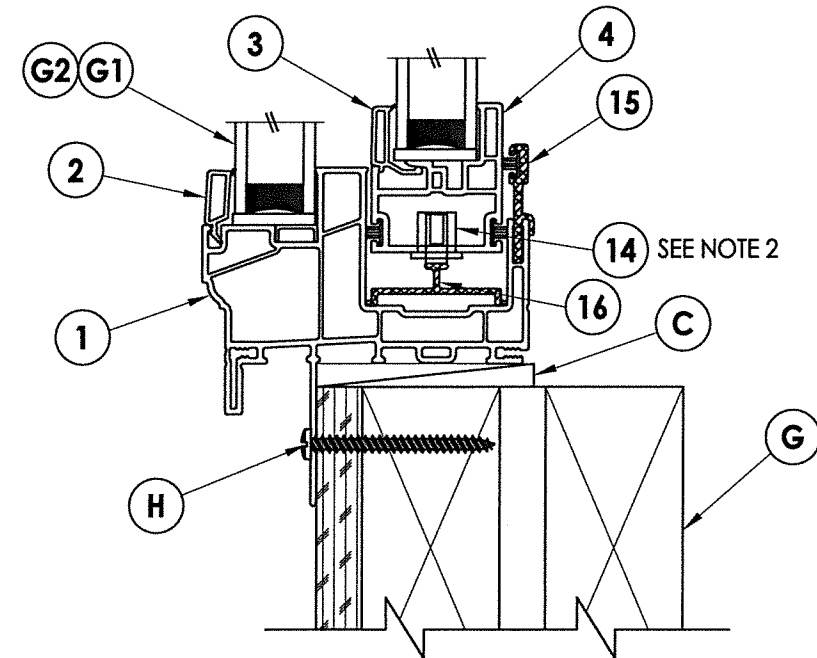


1 HORIZONTAL CROSS SECTION

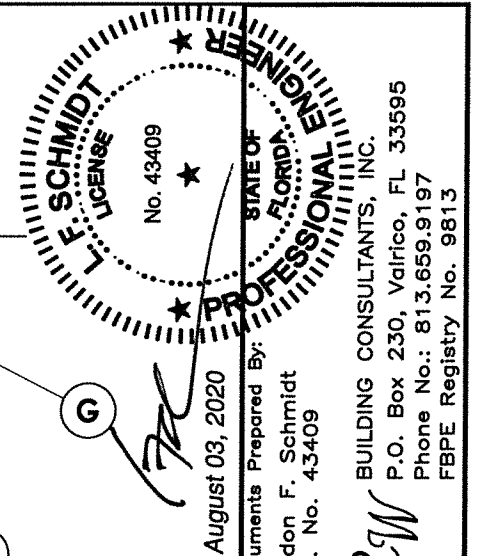
3 2X Stud Construction



2 VERTICAL CROSS SECTION
3 2X Stud Construction



2 VERTICAL CROSS SECTION
3 2X Stud Construction



August 03, 2020

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FBPE Registry No. 9813

PRODUCT: Doers

OR ASSEMBLY:
VERTICAL & HORIZONTAL
CROSS SECTIONS

[illegible]

DATE: 2/17/14

SCALE: N.T.S.

DWG. BY: JK

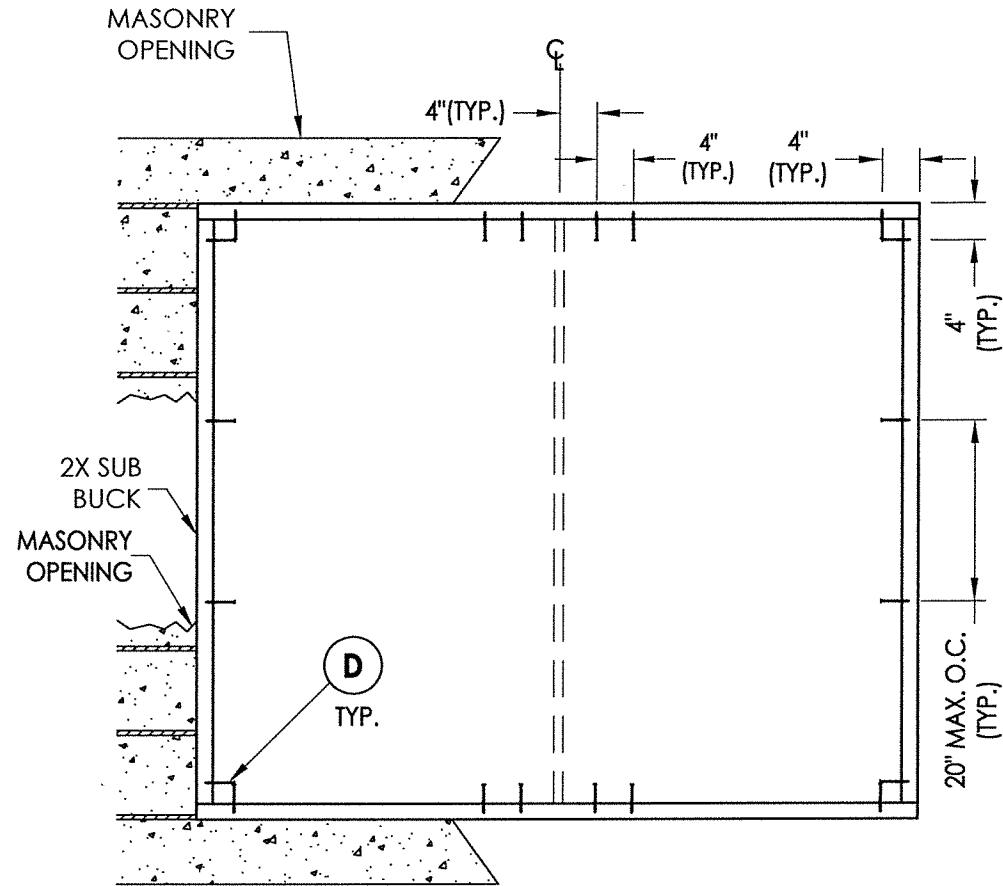
CHK. BY: LFS

DRAWING NO.:

FL-16853.1

SHEET 3 OF 6

R:\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16853 Windows - Horizontal Sliders\C - Drawings\FL-16853 (2020)\FL-16853.1.dwg, 4.1



BUCK ANCHORING

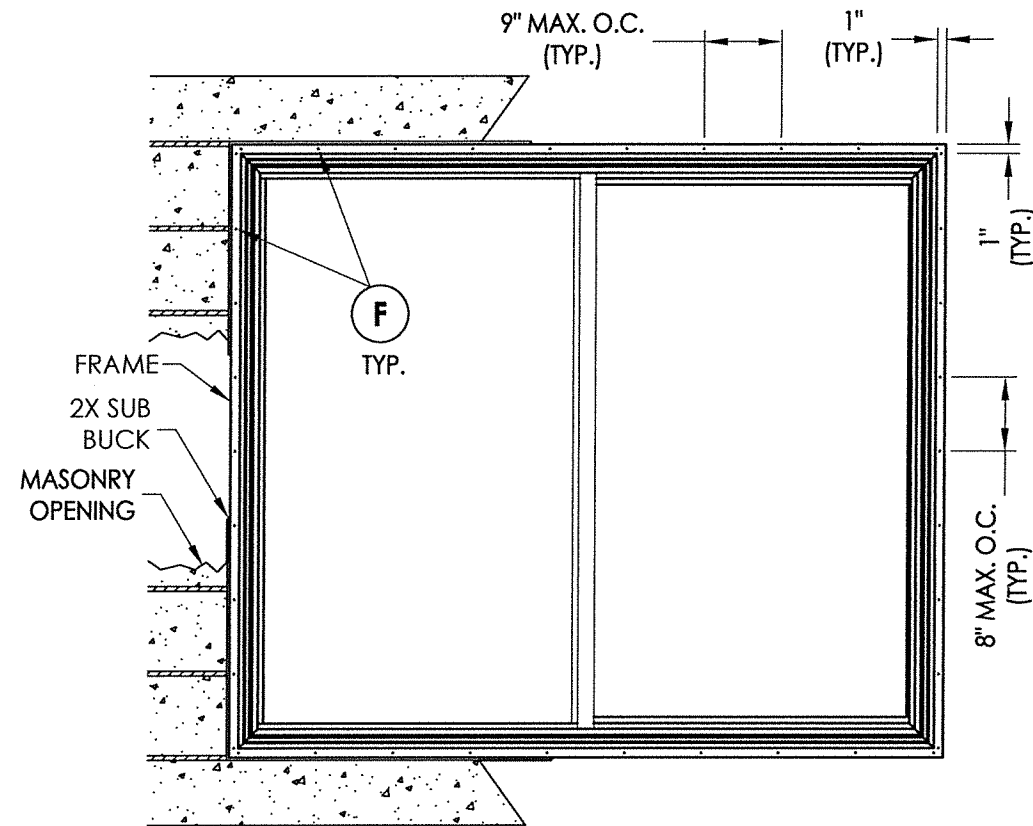
CONCRETE ANCHOR NOTES:

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"
ELCO ULTRA CON®	1/4"	1-1/4"	1"	4"

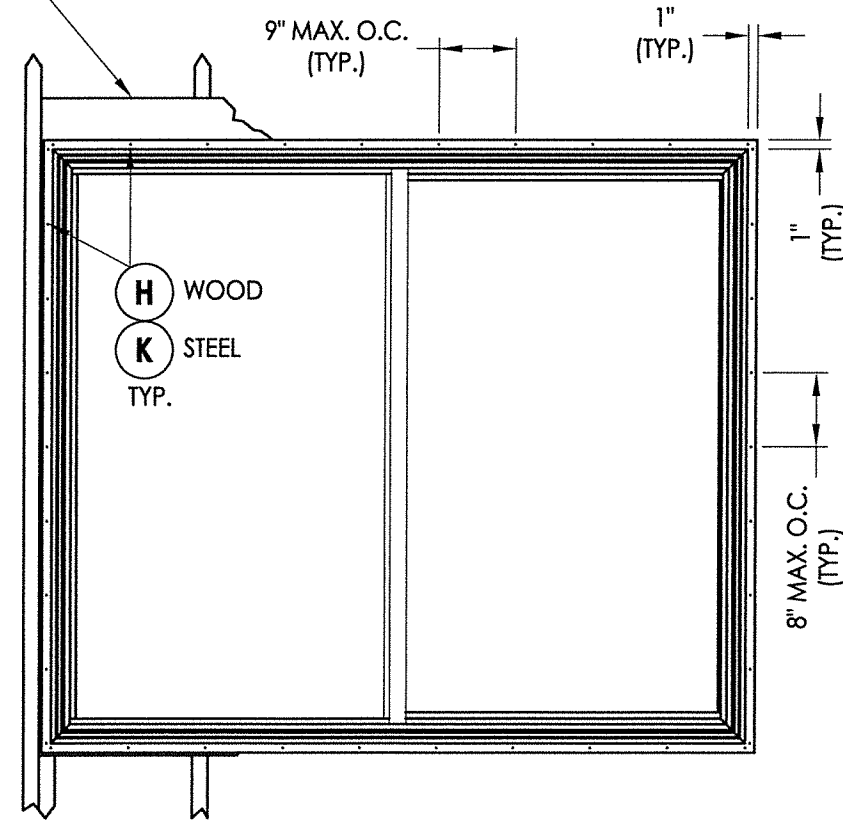
WOOD SCREW INSTALLATION NOTES:

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



FRAME ANCHORING
2X Buck Masonry Construction

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

F. SCHMIDT

FLORIDA

ENGINEER

PROFESSIONAL

License No. 43409

August 03, 2020

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

R.W.

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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
3	7/30/20	UPDATE TO 7TH ED. (2020) FBC DAC
2	9/22/17	UPDATE TO 6TH ED. (2017) FBC JK
1	6/25/15	UPDATE TO 5TH ED. (2014) FBC LFS

DATE: 2/17/14

SCALE: N.T.S.

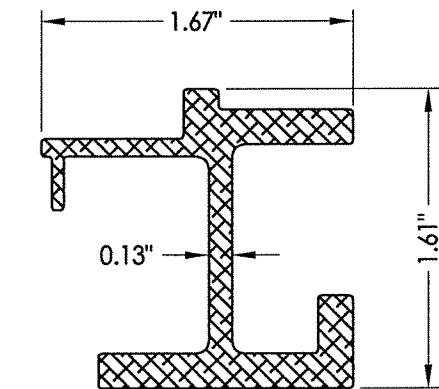
DWG. BY: JK

CHK. BY: LFS

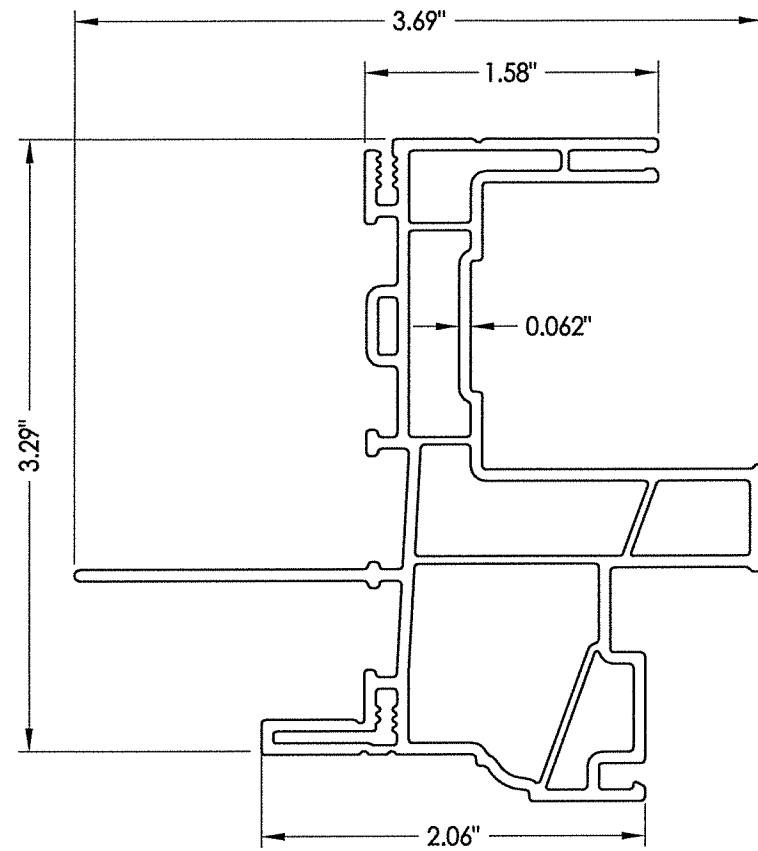
DRAWING NO.: FL-16853.1

SHEET 4 OF 6

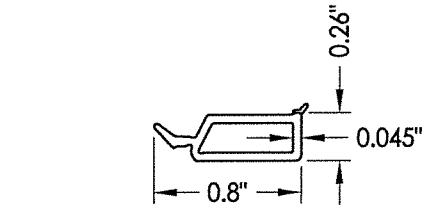
© 2014 R.W. BUILDING CONSULTANTS INC.



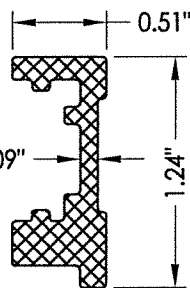
9 MEETING STILE REINFORCEMENT



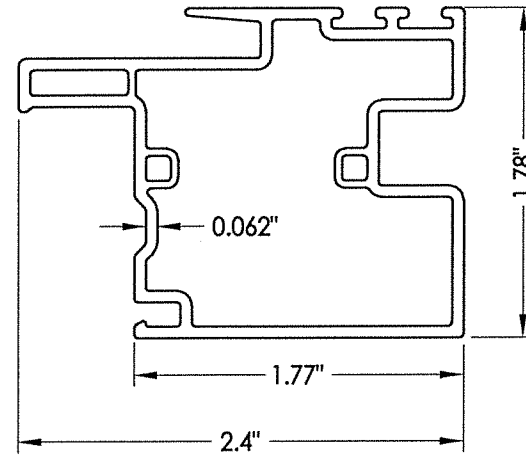
1 FRAME



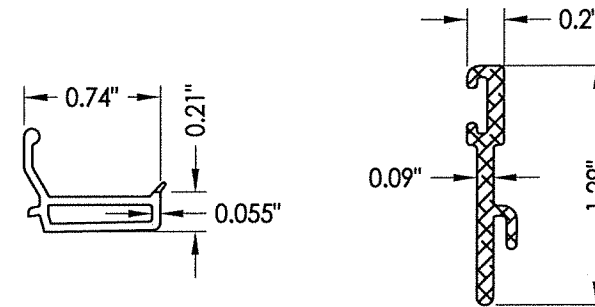
2 GLAZING BEAD



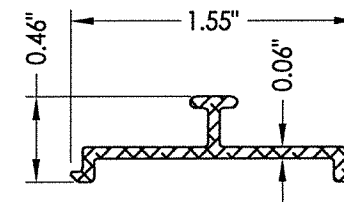
10 LOCK STILE REINFORCEMENT



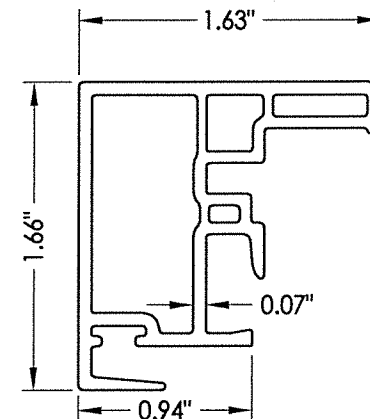
6 MEETING STILE



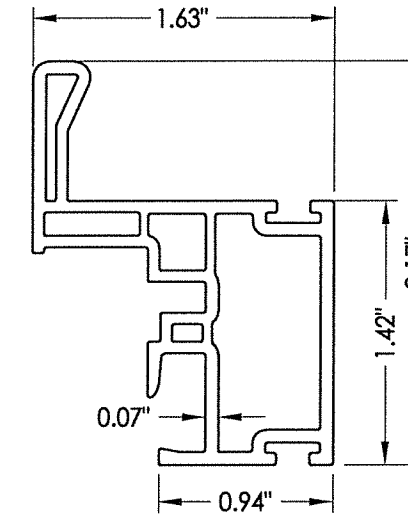
3 GLAZING BEAD



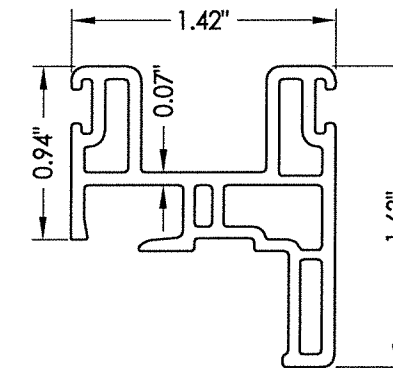
16 ROLLER TRACK



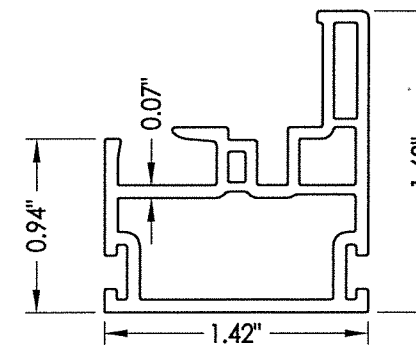
7 LOCK STILE



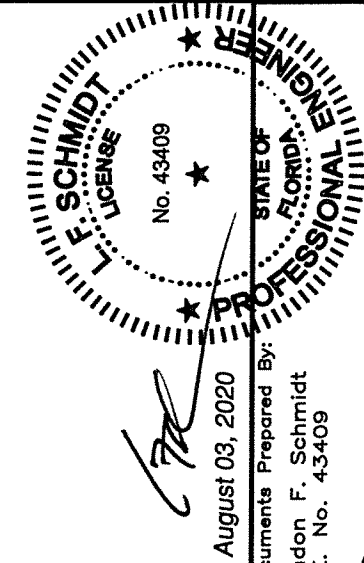
8 HANDLE STILE



5 TOP RAIL



4 BOTTOM RAIL



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DATE: 2/17/14		PRODUCT:		Doers
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-16853.1		PART OR ASSEMBLY:		
SHEET 5 OF 6		NO. DATE		COMPONENTS
		BY		
		REVISIONS		

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	#6 X 1-1/2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
G	2X STUD (SG >= 0.42)	WOOD
H	#6 X 2" PPH SMS (1-3/8" 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	-
14	ROLLER (TRUTH #2433-1000)	-
15	SILL RISER	6063 - T5 ALUM
16	ROLLER TRACK	6063 - T5 ALUM
17	ANTI-LIFT ALUMINUM	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".

