

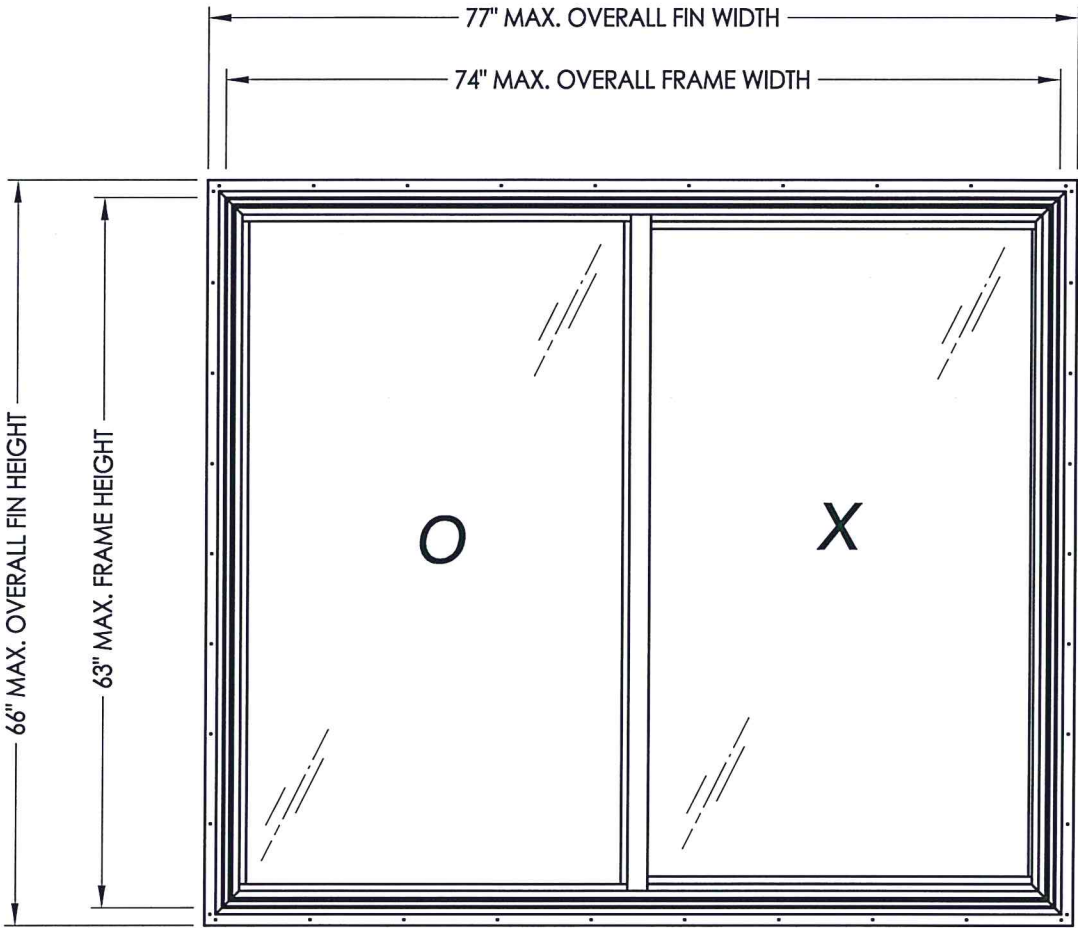


Series 9000 Model 9550
SLIDER XO
IMPACT RATED
w/ Nailing Fin

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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- 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 66.0"	74.0" X 63.0"	33.5" X 57.31"	33.25" X 58.56"	G1	+50.0	-60.0

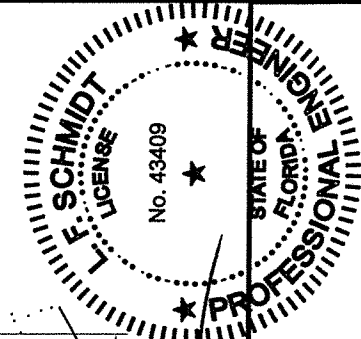
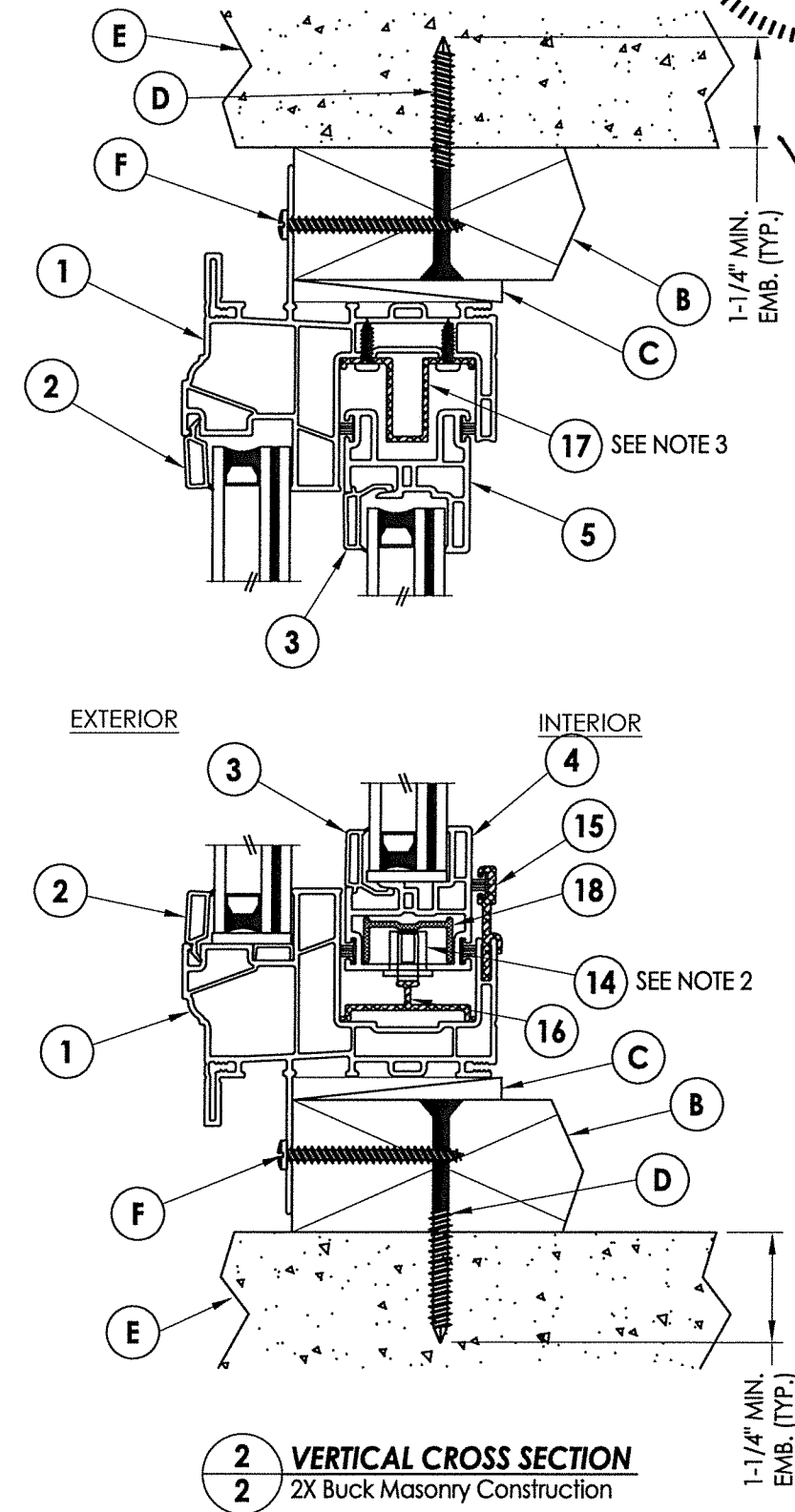
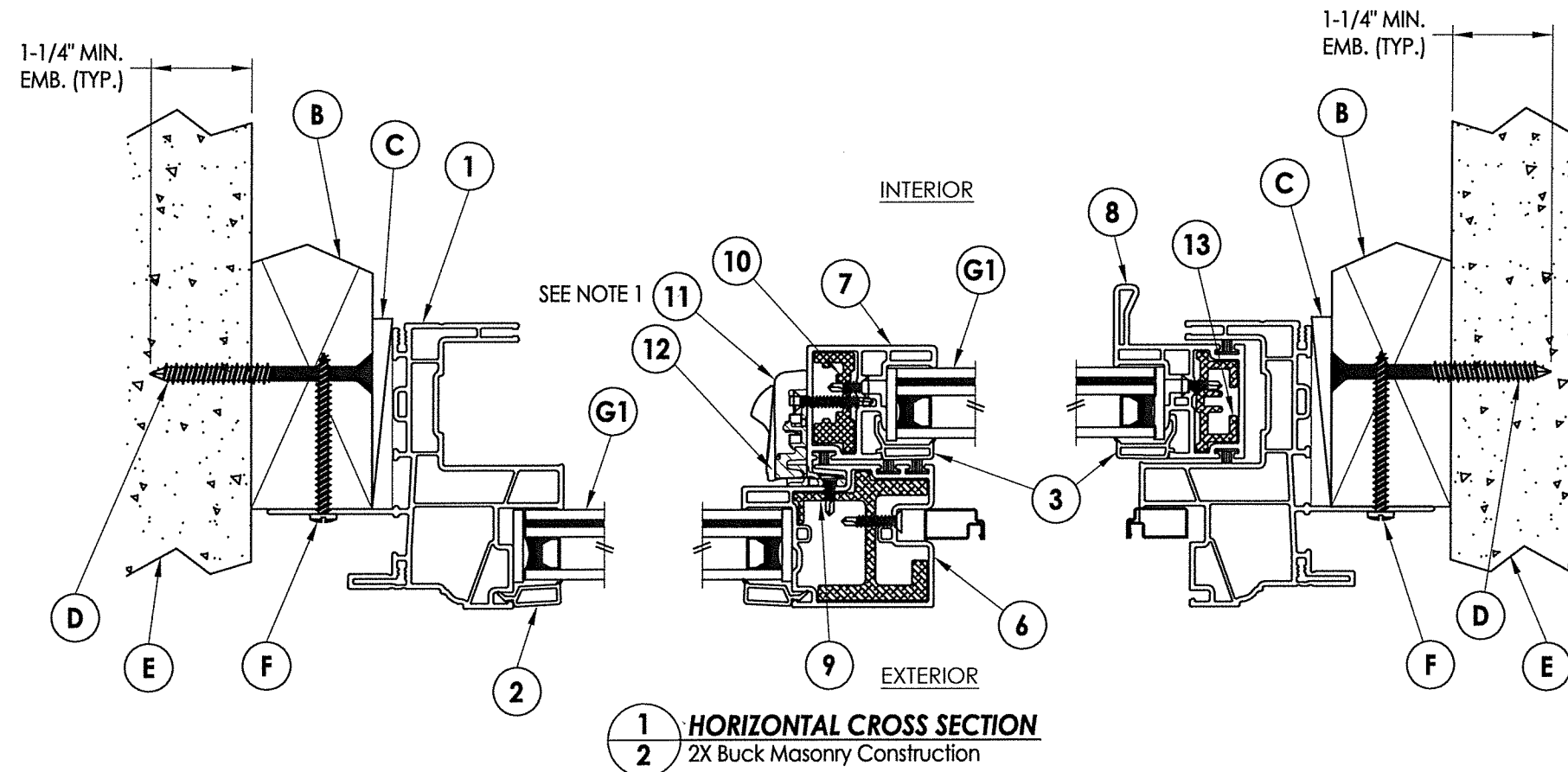
Professional Engineer
F. SCHMIDT
No. 43409
August 03, 2020

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:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	

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.



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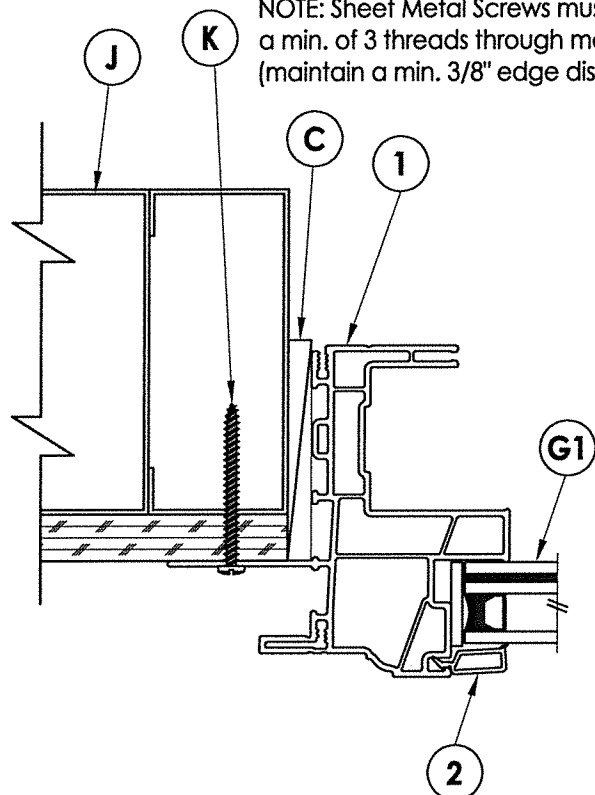
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

OR ASSEMBLY:
VERTICAL & HORIZONTAL
CROSS SECTIONS

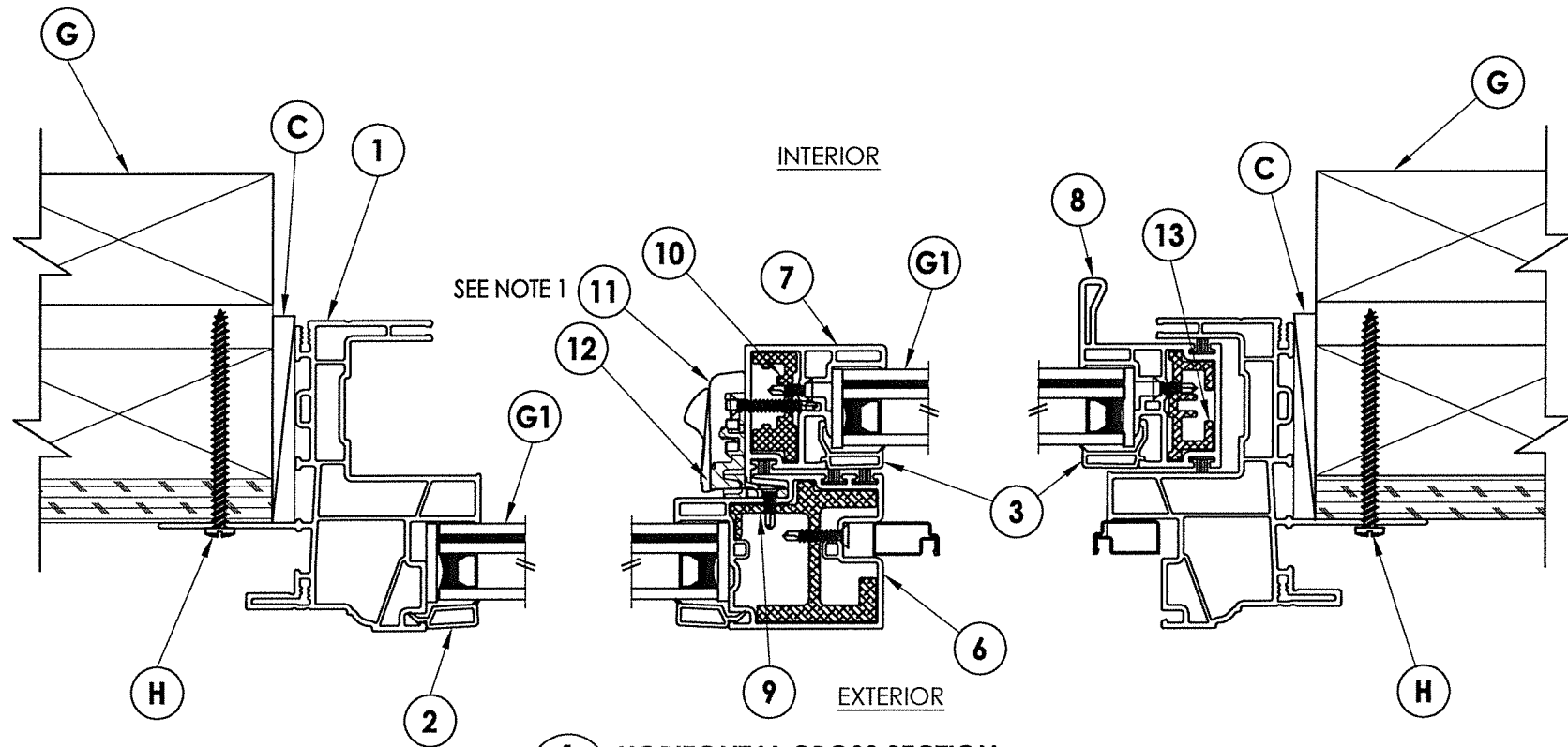
[illegible]

- 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.

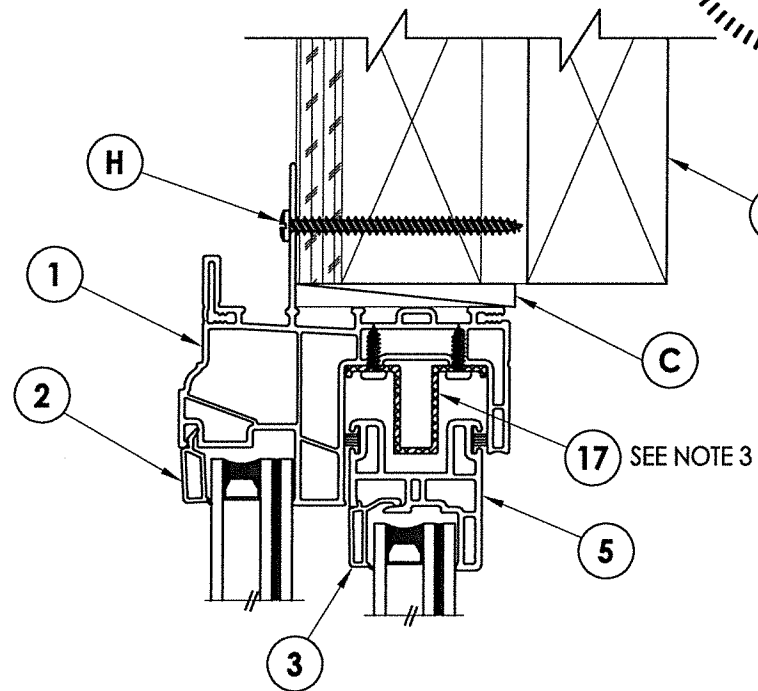
NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through metal (maintain a min. 3/8" edge distance).



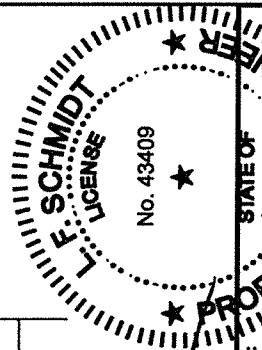
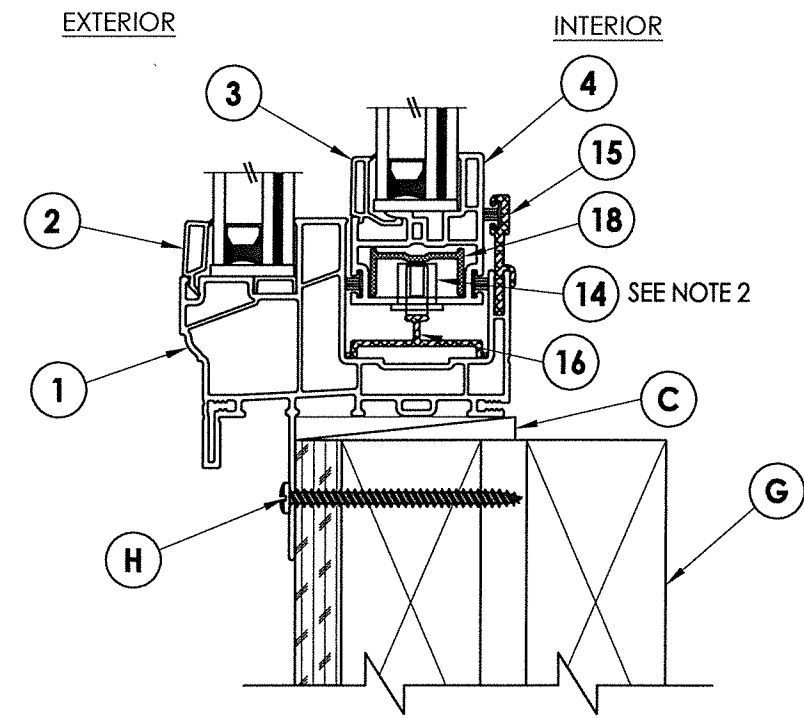
3 HORIZONTAL CROSS SECTION
Shown w/ Steel Stud Framing Option



1 HORIZONTAL CROSS SECTION
2X Stud Construction



2 VERTICAL CROSS SECTION
2X Stud Construction

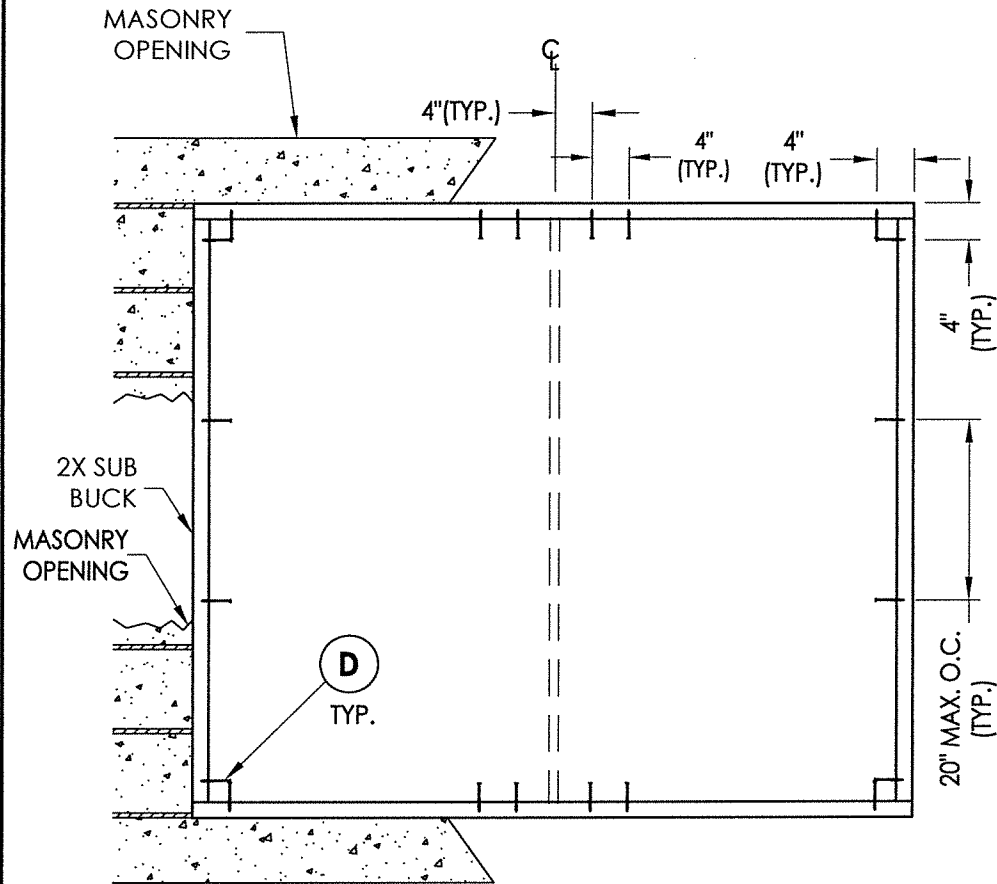


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FBPE Registry No. 9813

PRODUCT:		Doers	
PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
DATE	NO.	DATE	BY
7/30/20	4	UPDATE TO 7TH ED. (2020)	DAC
9/22/17	3	UPDATE TO 6TH ED. (2017)	JK
12/17/15	2	REVISE MODEL NAME	JK
6/25/15	1	UPDATE TO 5TH ED. (2014)	LFS
REVISIONS			
DATE: 2/17/14			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16853.3			
SHEET 3 OF 6			

R:\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16853 Windows - Horizontal Sliders\C - Drawings\FL-16853 2-3.dwg, 4.3



BUCK ANCHORING

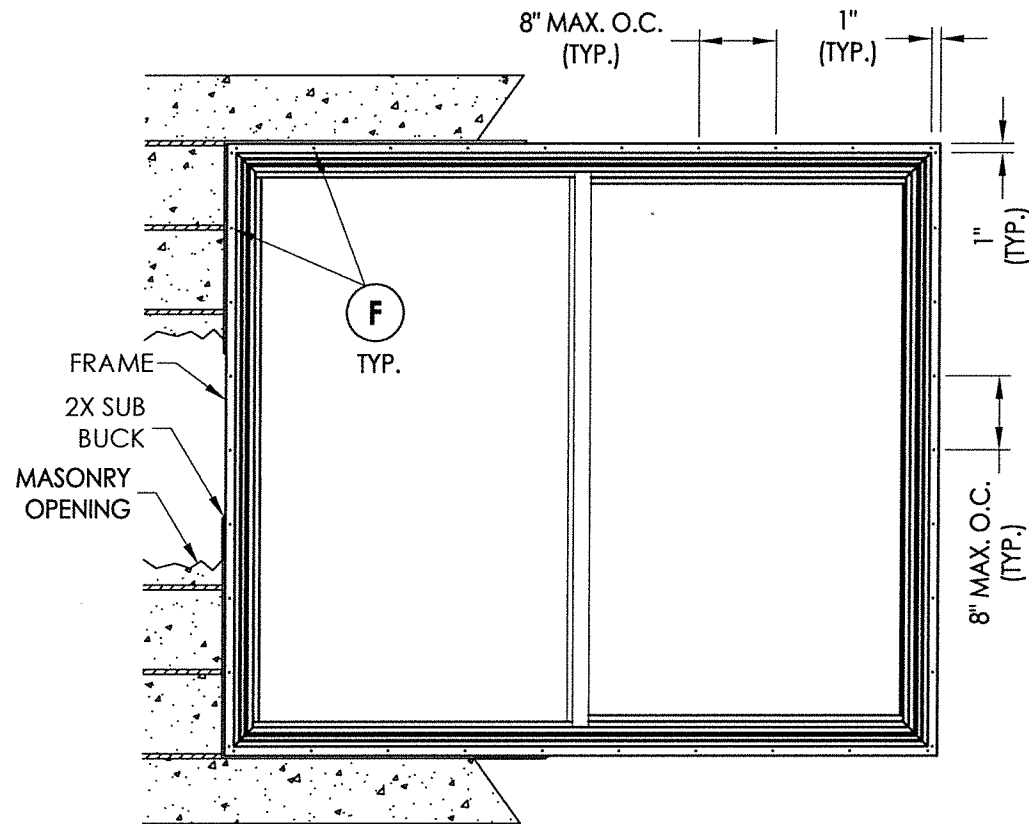
CONCRETE ANCHOR NOTES:

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 ULTRACON®	1/4"	1-1/4"	1"	4"

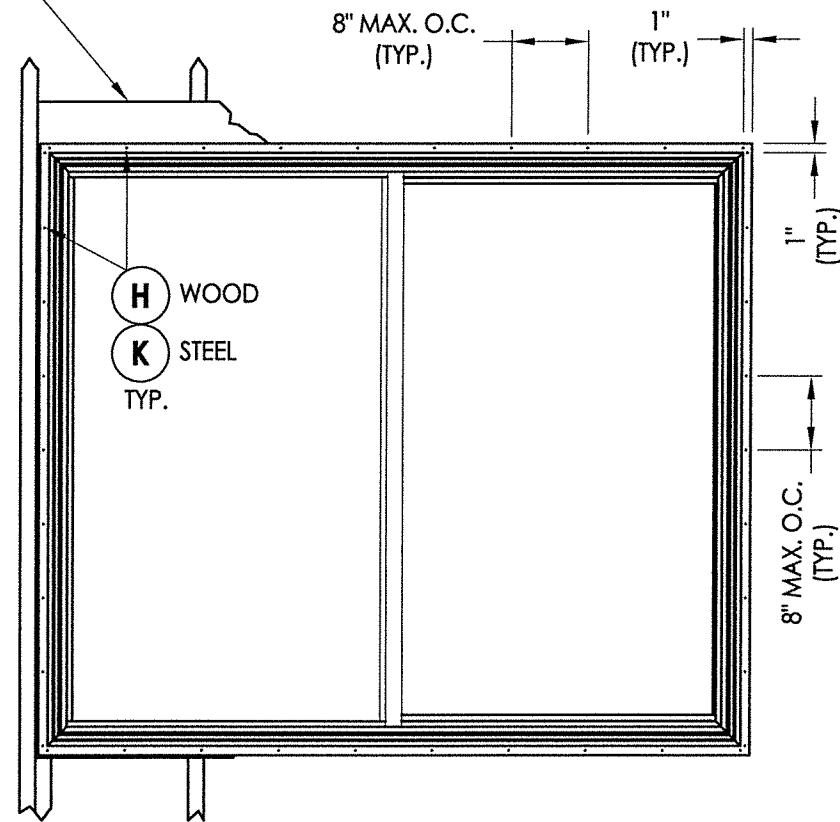
WOOD SCREW INSTALLATION NOTES:

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



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

FLORIDA
SCHMIDT
LICENSE
No. 43409

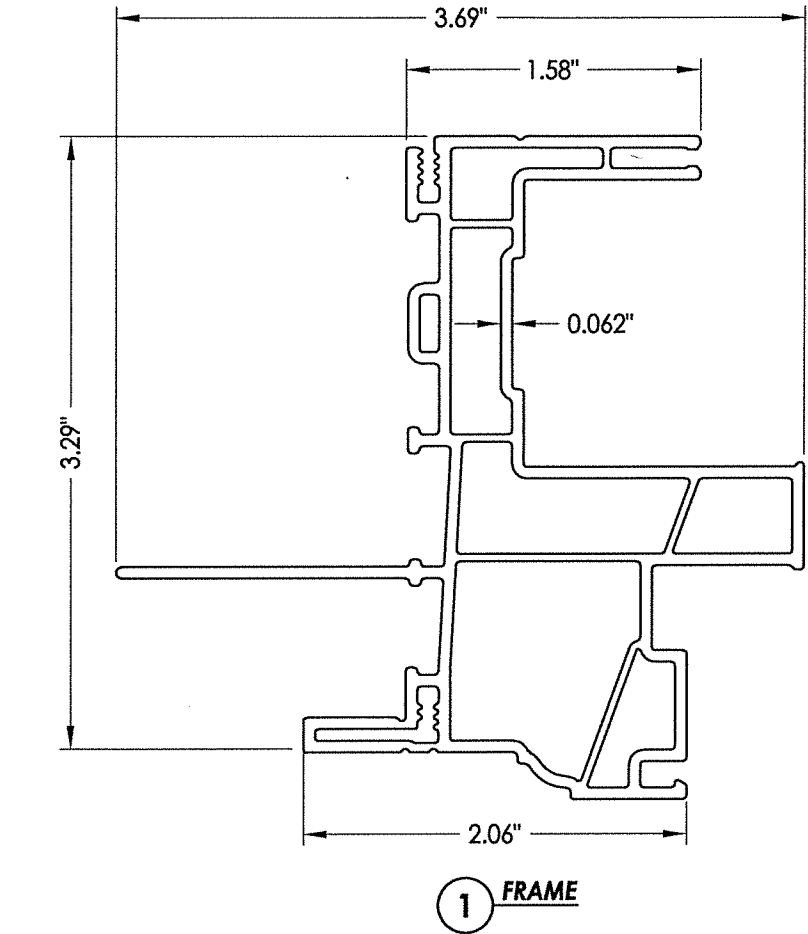
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

August 03, 2020
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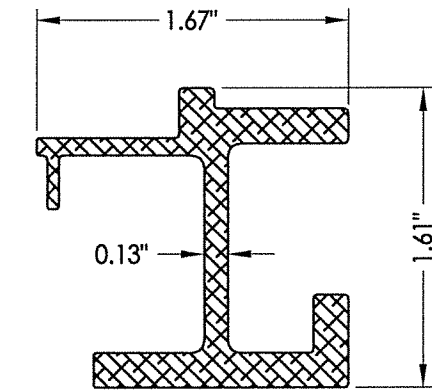
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		Doers		PART OR ASSEMBLY:	
				BUCK & FRAME ANCHORING	
		DAC	JK	JK	LFS
4	7/30/20	UPDATE TO 7TH ED. (2020)	FBC	JK	BY
3	9/22/17	UPDATE TO 6TH ED. (2017)	FBC	JK	DATE
2	12/17/15	REVISE MODEL NAME			
1	6/25/15	UPDATE TO 5TH ED. (2014)	FBC		
NO.		DATE		REVISIONS	
DATE:		2/17/14			
SCALE:		N.T.S.			
DWG. BY:		JK			
CHK. BY:		LFS			
DRAWING NO.:		FL-16853.3			
SHEET		4	OF	6	

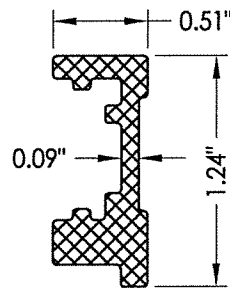
\\dc01\ncwbc\Clients\Doers PERMANENTVA - Florida Product Approvals\FL-16853 Windows - Horizontal Sliders\C - Drawings\FL-16853 (2020)\FL-16853.2-3.dwg



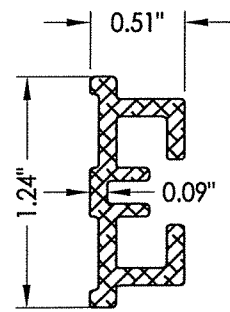
1 FRAME



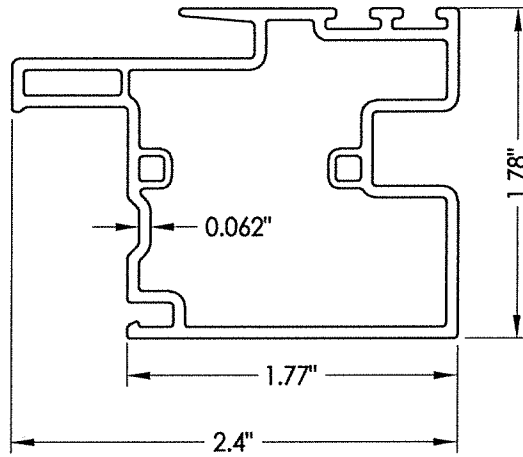
9 MEETING STILE REINFORCEMENT



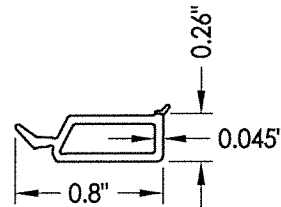
10 LOCK STILE REINFORCEMENT



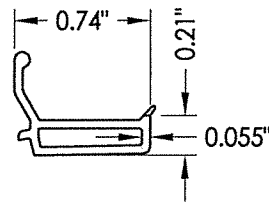
13 HANDLE STILE REINFORCEMENT



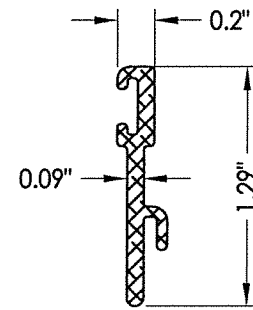
6 MEETING STILE



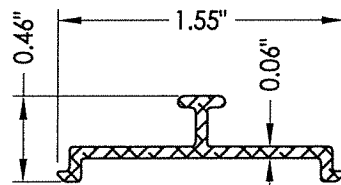
2 GLAZING BEAD



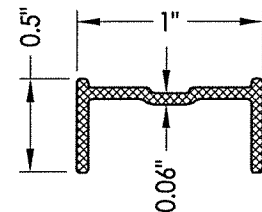
3 GLAZING BEAD



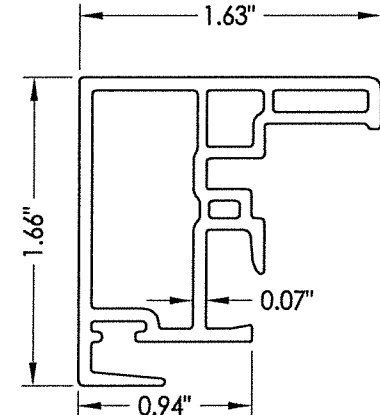
15 SILL RISER



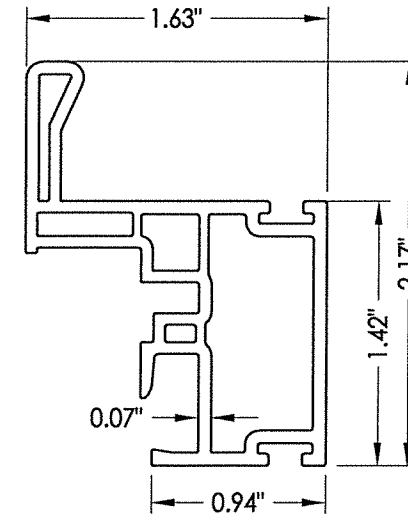
16 ROLLER TRACK



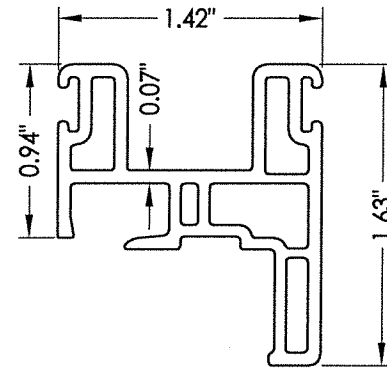
18 BOTTOM RAIL REINFORCEMENT



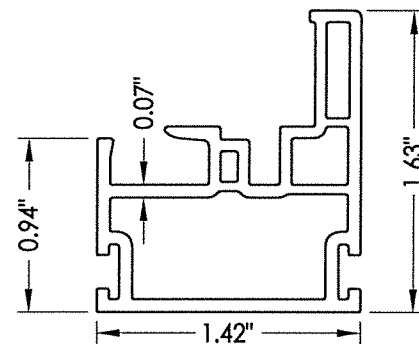
7 LOCK STILE



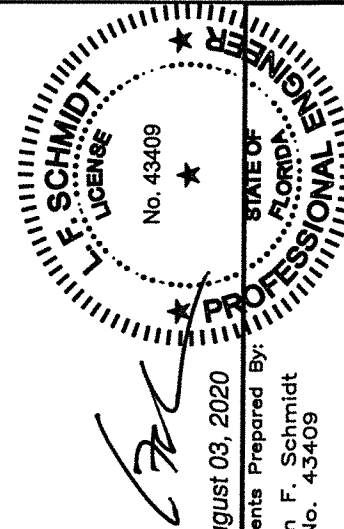
8 HANDLE STILE



5 TOP RAIL



4 BOTTOM RAIL



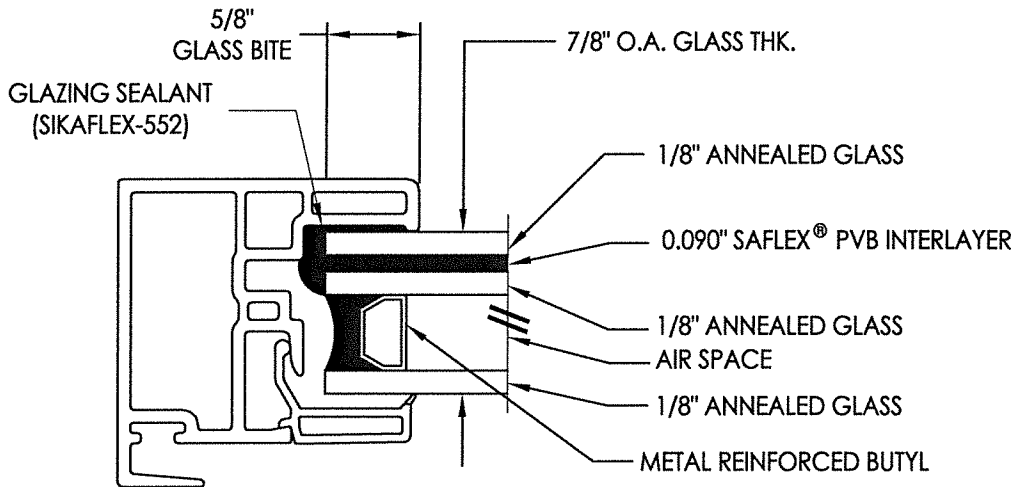
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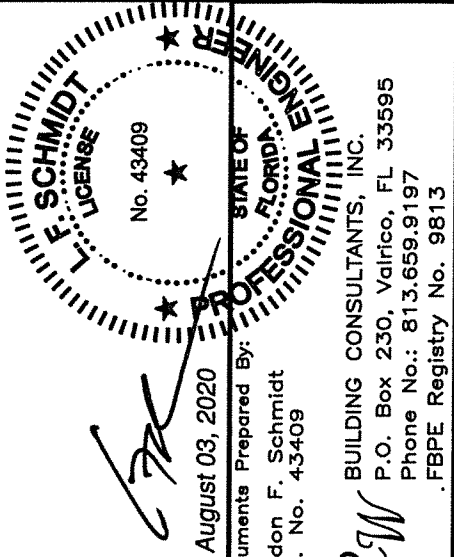
PRODUCT:		Doers	
		PART OR ASSEMBLY:	
		COMPONENTS	
		REVISIONS	
		NO.	DATE
		1	6/25/15
		2	12/17/15
		3	9/22/17
		4	7/30/20
		DATE	2/17/14
		SCALE	N.T.S.
		DWG. BY	JK
		CHK. BY	LFS
		DRAWING NO.	FL-16853.3
		SHEET	5 OF 6

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 (1-3/4" MIN. EMBEDMENT)	STEEL
G	2X STUD (SG >= 0.42)	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 EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



G1 GLAZING DETAIL



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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:

[illegible]

DATE: 2/17/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-16853.3

SHEET 6 OF 6