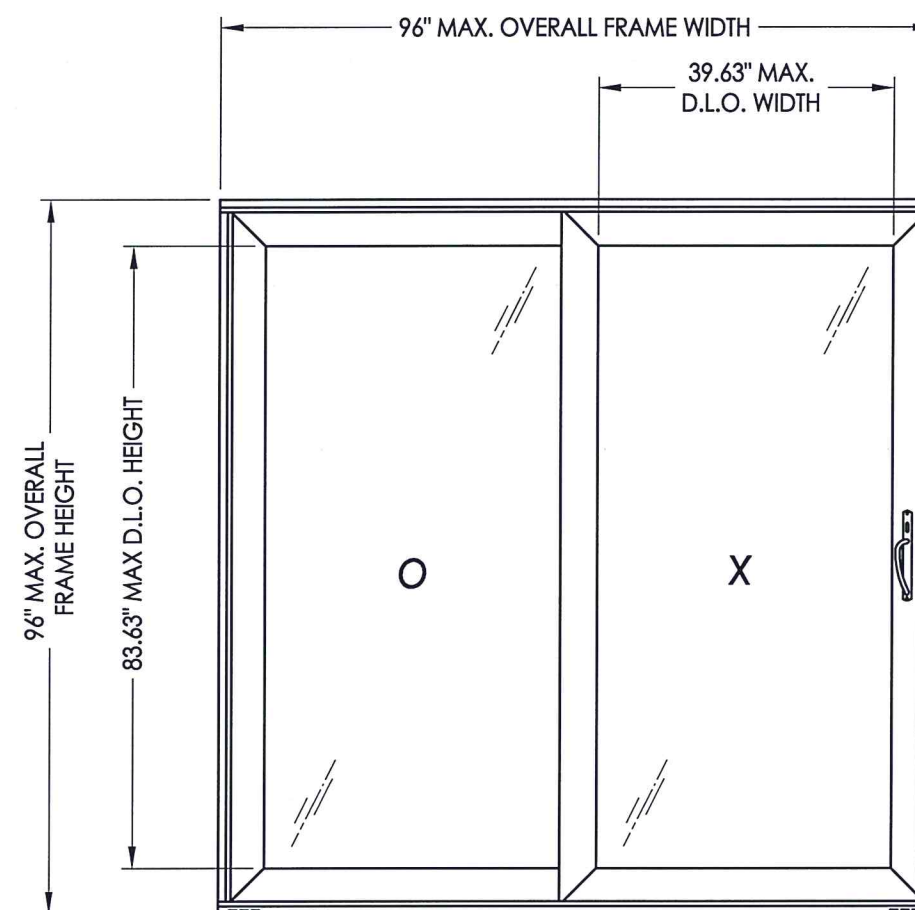


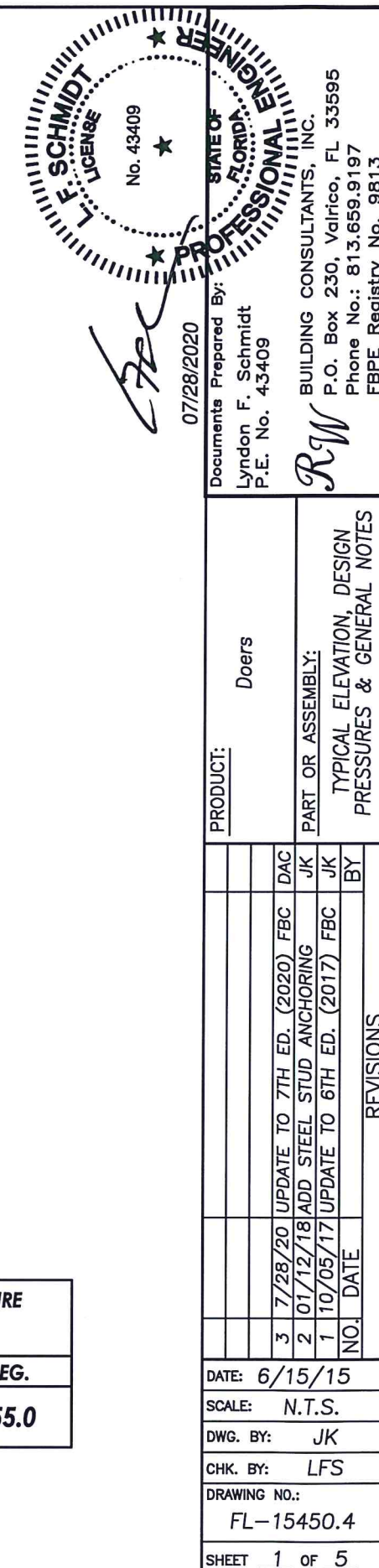
6000 Series Model 6250 Sliding Patio Door "IMPACT"

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) including 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 the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
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	Horizontal cross sections
3	Vertical cross sections
4	Buck and frame anchoring
5	Bill of materials, glazing detail and components



MAX FRAME DIMENSION	MAX D.L.O. DIMENSION	INTERLOCK	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POS.	NEG.
96.0" X 96.0"	39.63" X 83.63"	ALUM	G1	+50.0	-55.0



NOTE: Sheet Metal
Jaws must penetrate
min. of 3 threads
through the steel stud
(maintain a min.
" edge distance).

EXTERIOR

INTERIOR

Labels: X, C, 2, 3, G1, T, G, 4, 1

SEE NOTE 2

4 **HORIZONTAL CROSS SECTION**
2 Steel Stud Construction

1. Item G, spaced 3" from each end and 6 more equally spaced (8 total).
2. Fixed panel secured to frame with item G, 8" from each end and 2 more equally spaced (4 total).

m each end
aced (8 total).
o frame with
end and 2

07/28/2020

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

F. SCHMIDT
LICENSE
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

RW

A technical cross-section diagram of a window assembly. The diagram shows a multi-pane window unit (labeled 2) set within a frame (labeled 4). The interior side of the frame is labeled 1. The exterior side of the frame is labeled 3. The window unit is shown in a closed position. Various components are labeled with letters in circles: A (top left corner), B (top center), C (top right), D (bottom left), E (bottom center), F (bottom right), G (center), and H (right side). The diagram also shows a cross-section of the wall (labeled 1) and the window frame (labeled 4). The window unit is shown in a closed position. The diagram is labeled 'INTERIOR' at the bottom right.

1 HORIZONTAL CROSS SECTION
2 2X Buck Masonry Construction

2 HORIZONTAL CROSS SECTION
2 ALUM INTERLOCK

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

EXTERIOR

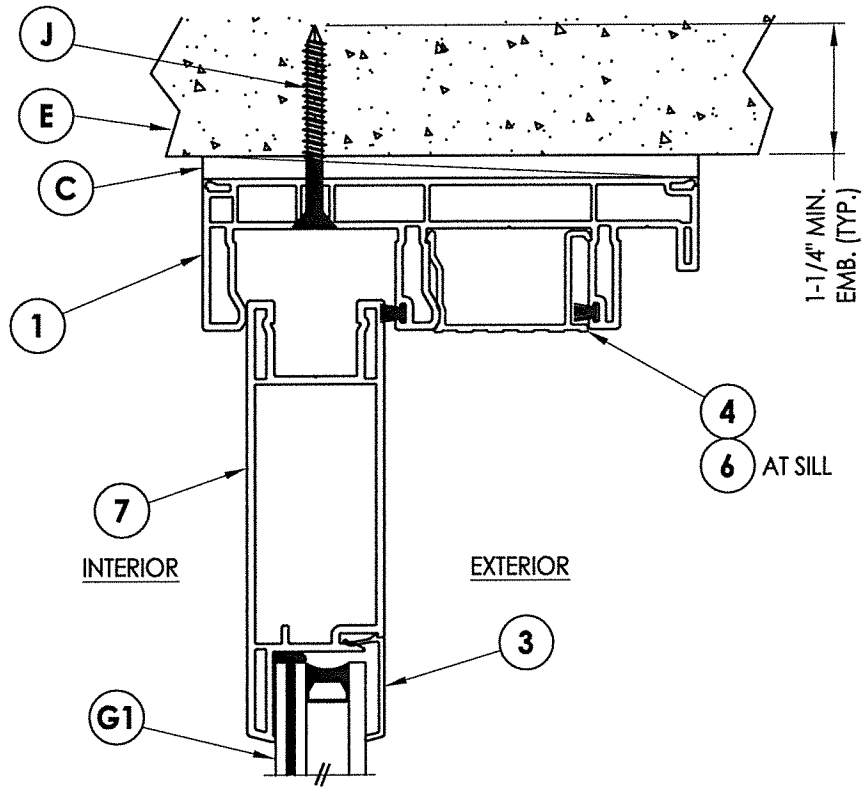
INTERIOR

Diagram illustrating the cross-section of a window assembly, showing the internal components and mounting details. The diagram is labeled with callouts 1 through 30, and includes the text "EXTERIOR" and "INTERIOR". A dimension line indicates a minimum depth of 1-1/4" MIN. EMB. (TYP.) for the mounting.

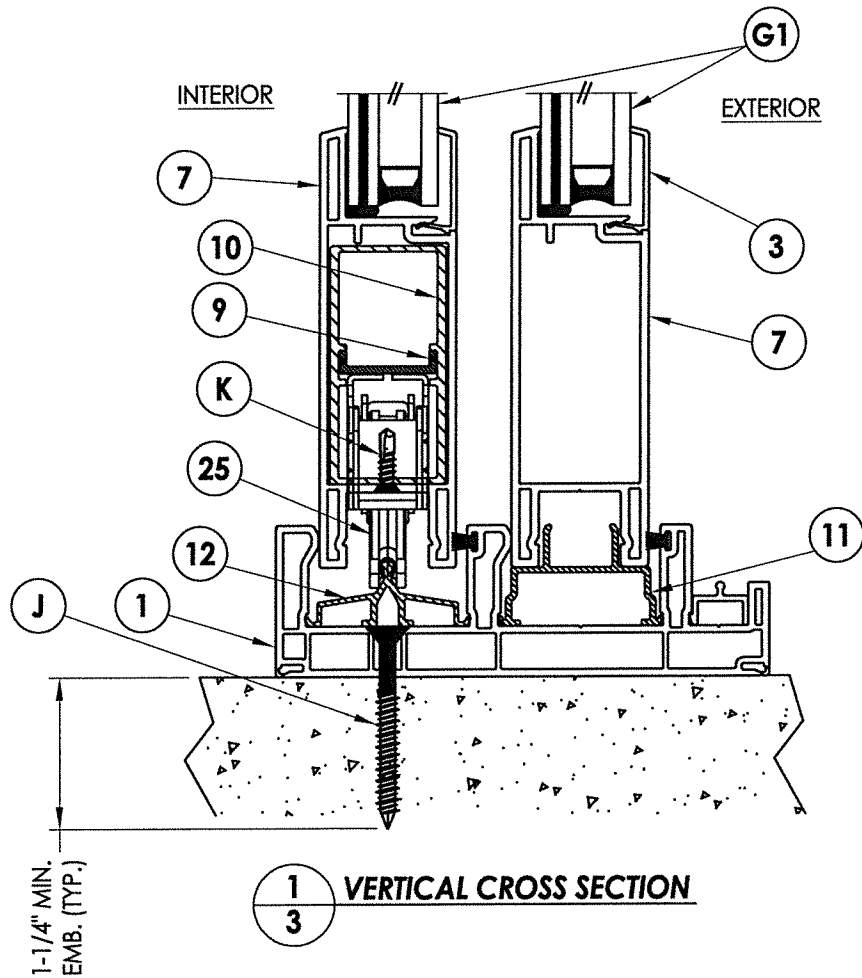
3 HORIZONTAL CROSS SECTION
2 1X Buck Masonry Construction

DATE: 6/15/15		PRODUCT: Doers	
SCALE: N.T.S.		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15450.4			
SHEET 2 OF 5			
3	7/28/20	UPDATE TO 7TH ED. (2020)	FBC
2	01/12/18	ADD STEEL STUD ANCHORING	JK
1	10/05/17	UPDATE TO 6TH ED. (2017)	FBC
NO.	DATE		BY
REVISIONS			

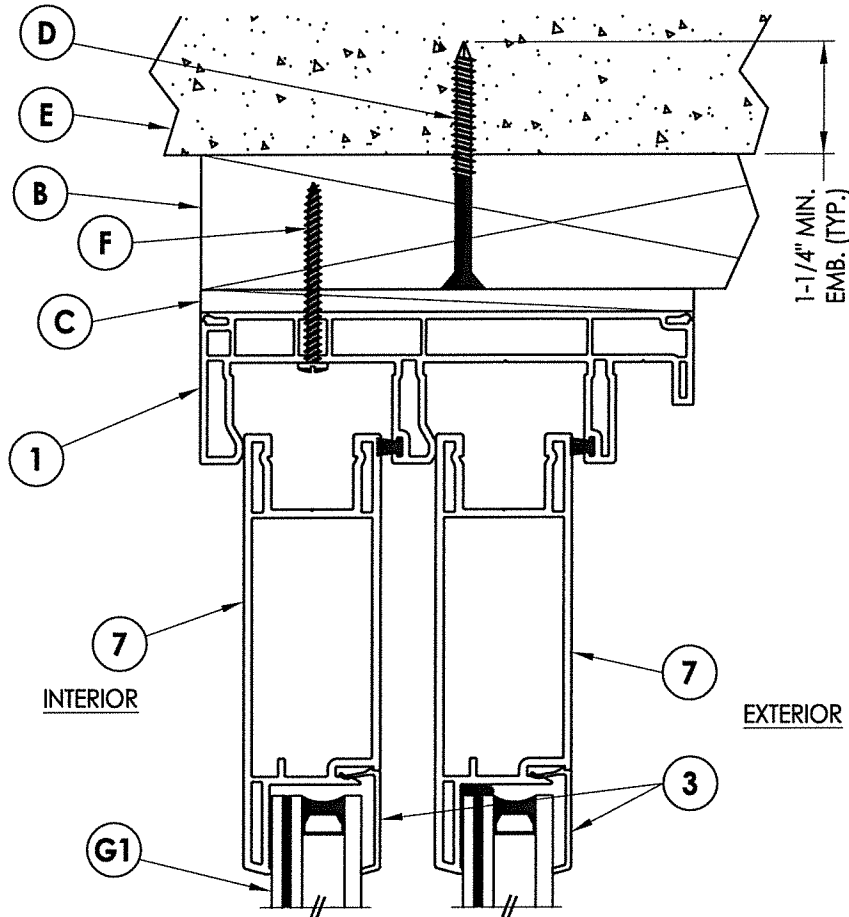
\\dc01\wbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15450 Exterior Doors - Sliding Patio Doors\C - Drawings\FL-15450 (2020)\FL-15450.4-5.dwg



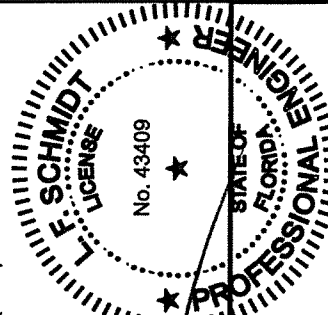
2 VERTICAL CROSS SECTION
3 Direct to Masonry Construction



1 VERTICAL CROSS SECTION
3 2X Buck Masonry Construction



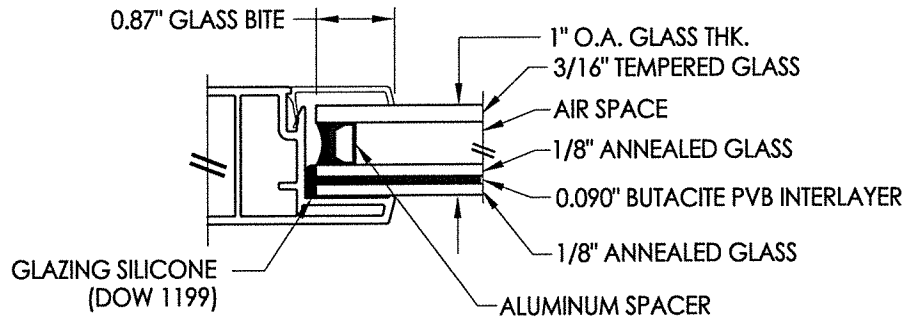
3 VERTICAL CROSS SECTION
3 2X Buck Masonry Construction

 07/28/2020 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: VERTICAL CROSS SECTIONS	
		DATE: 6/15/15		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS		DRAWING NO.: FL-15450.4	
SHEET 3 OF 5		NO. DATE		REVISIONS	
3		7/28/20		UPDATE TO 7TH ED. (2020) FBC DAC	
2		01/12/18		ADD STEEL STUD ANCHORING JK	
1		10/05/17		UPDATE TO 6TH ED. (2017) FBC JK	

\\dc01\wbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15450 Exterior Doors - Sliding Patio Doors\C - Drawings\FL-15450 (2020)\FL-15450.4-5.dwg

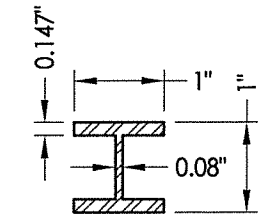
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.42	WOOD
B	2X BUCK SG >= 0.42	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH SMS (1-3/16" MIN. EMBEDMENT)	STEEL
G	#8 X 1" PFH SMS	STEEL
H	#10 X 2-1/2" PFH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
J	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
K	#6 X 3/4" PPH SMS	STEEL
M	1/4" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
N	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
T	#10-16 PH SELF-DRILLING SMS	STEEL
X	STEEL STUD Min. Thk 0.054" (ASTM A653 GRADE 50 Fy=50 ksi min., Fu=65 ksi min.)	STEEL
1	FRAME*	PVC
2	SASH STILE*	PVC
3	GLAZING BEAD*	PVC
4	FRAME CAP*	PVC
5	INTERLOCK (6063-T5 ALUM)	ALUM
6	SILL CAP (6063-T5 ALUM)	ALUM
7	SASH TOP AND BOTTOM RAIL*	PVC
8	SASH SUPPORT (6063-T5 ALUM)	ALUM
9	ROLLER SUPPORT (6063-T5 ALUM)	ALUM
10	REINFORCEMENT (6065-T5 ALUM)	ALUM
11	FIXED TRACK (6065-T5 ALUM)	ALUM
12	SILL ROLLER TRACK (6063-T5 ALUM)	ALUM
14	REINFORCEMENT (6065-T5 ALUM)	ALUM
25	ROLLER ASSM.	STEEL
30	LOCK AND HANDLE	-
31	STRIKE PLATE	-

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

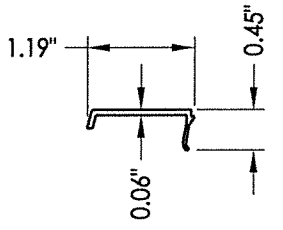


G1 GLAZING DETAIL

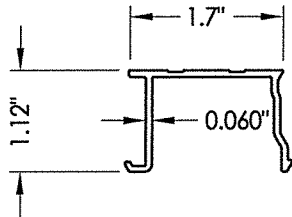
NOTE: GLAZING > 36" WIDE REQUIRES TWO (2) SETTING BLOCKS CONFORMING TO FBC SECTION 241.3.3.1



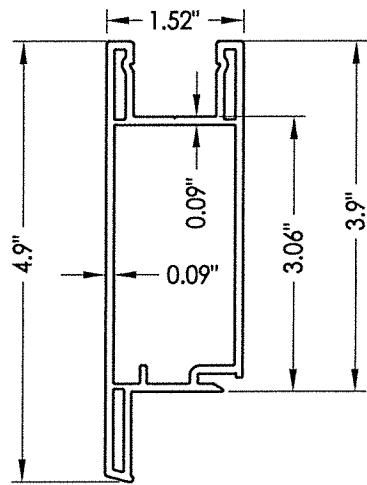
14 REINFORCEMENT



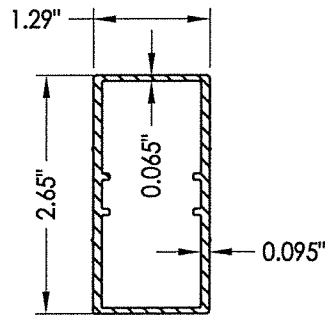
3 GLAZING BEAD
8570-356-D57



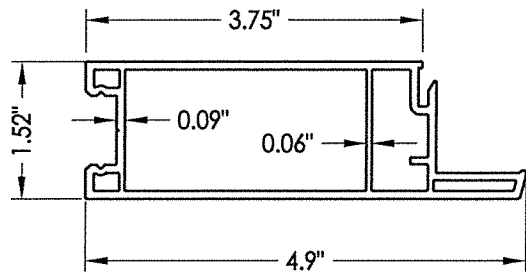
4 FRAME CAP
8571-356-D58



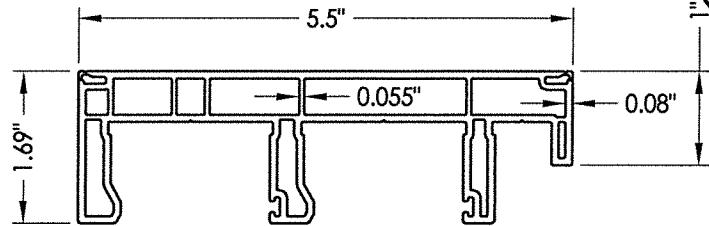
7 SASH TOP AND BOTTOM RAIL
8568-356-D55



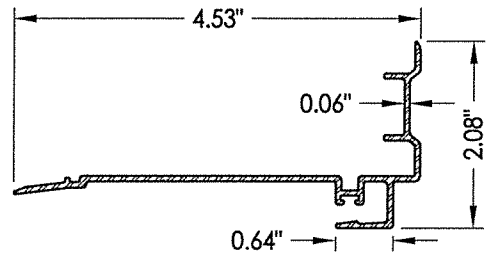
10 REINFORCEMENT
356-A54-55



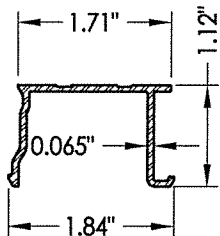
2 SASH STILE
8567-356-D54



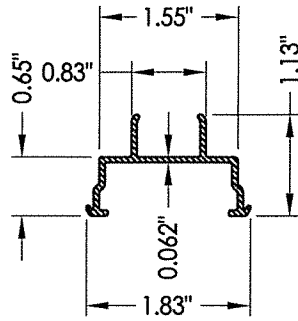
1 FRAME
8572-356-D60



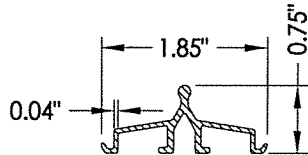
5 INTERLOCK
356-A54



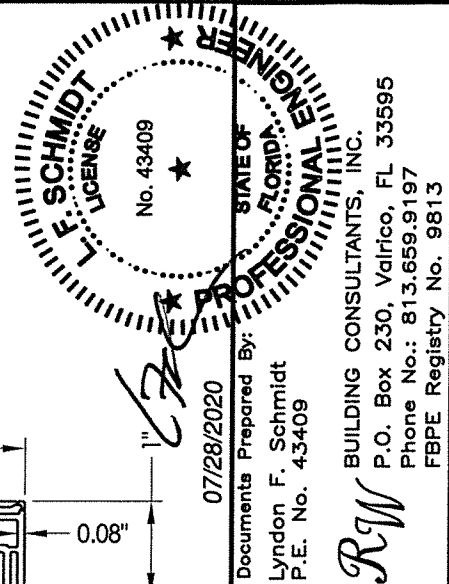
6 SILL CAP
356-A51-52-COV



11 FIXED TRACK
356-A65



12 ROLLER TRACK
356-A51-52-TRK



07/28/2020
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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: Doors
PART OR ASSEMBLY:
BILL OF MATERIALS, GLAZING
DETAIL & COMPONENTS

NO.	DATE	REVISIONS
3	7/28/20	UPDATE TO 7TH ED. (2020) FBC
2	01/12/18	ADD STEEL STUD ANCHORING
1	10/05/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 6/15/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15450.4
SHEET 5 OF 5