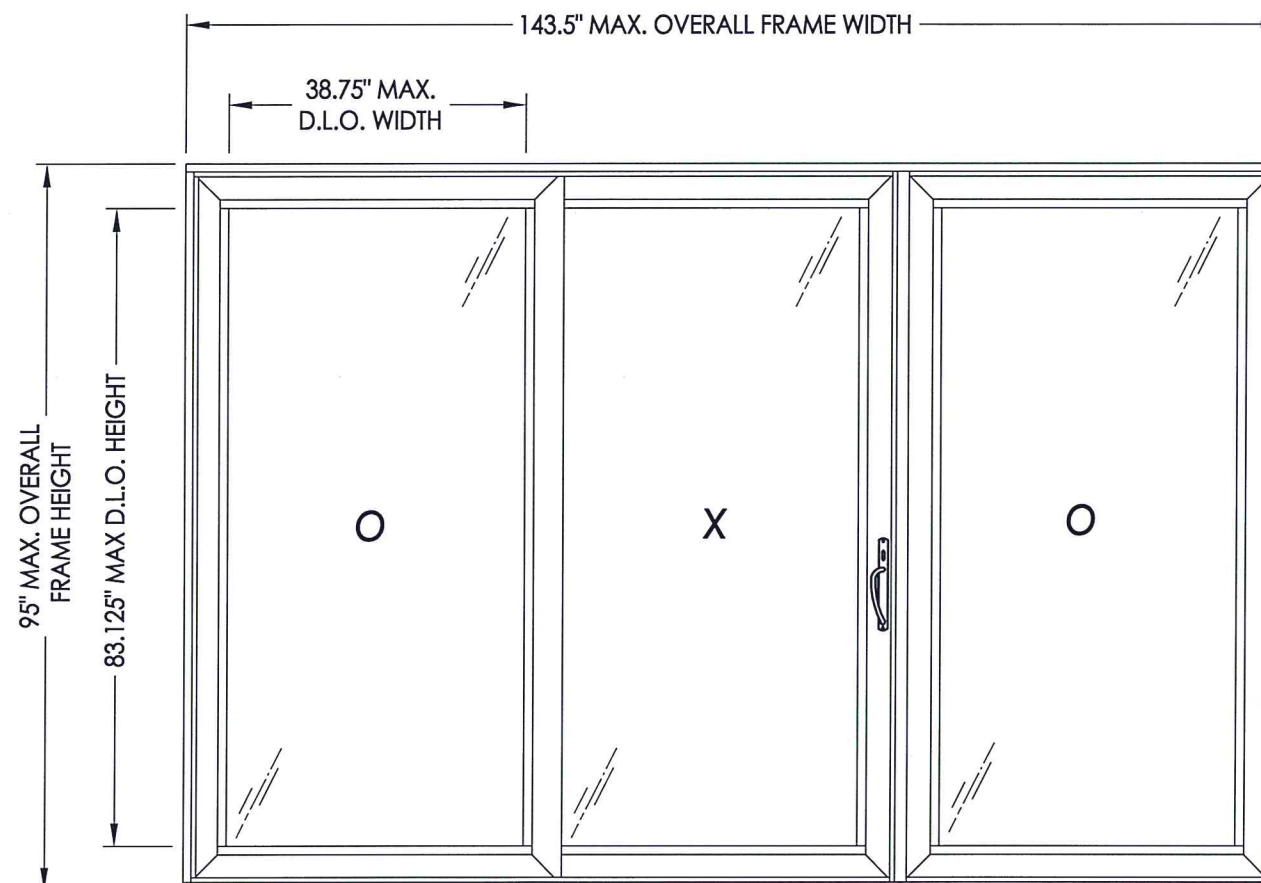


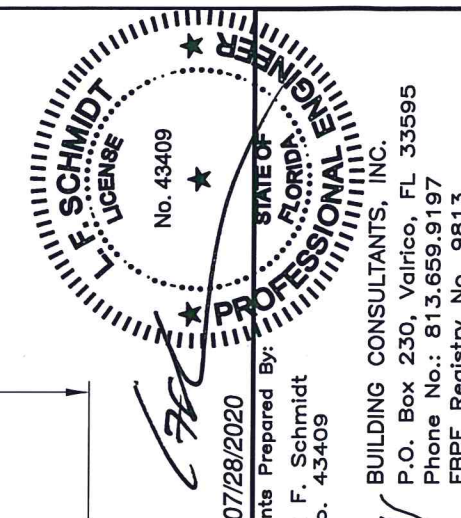
6000 Series Model 6300 Sliding Patio Door "NON-IMPACT"

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	Elevation
3	Horizontal cross sections
4	Vertical cross sections
5	Buck anchoring
6	Frame anchoring
7	Components
8	Bill of materials and glazing detail



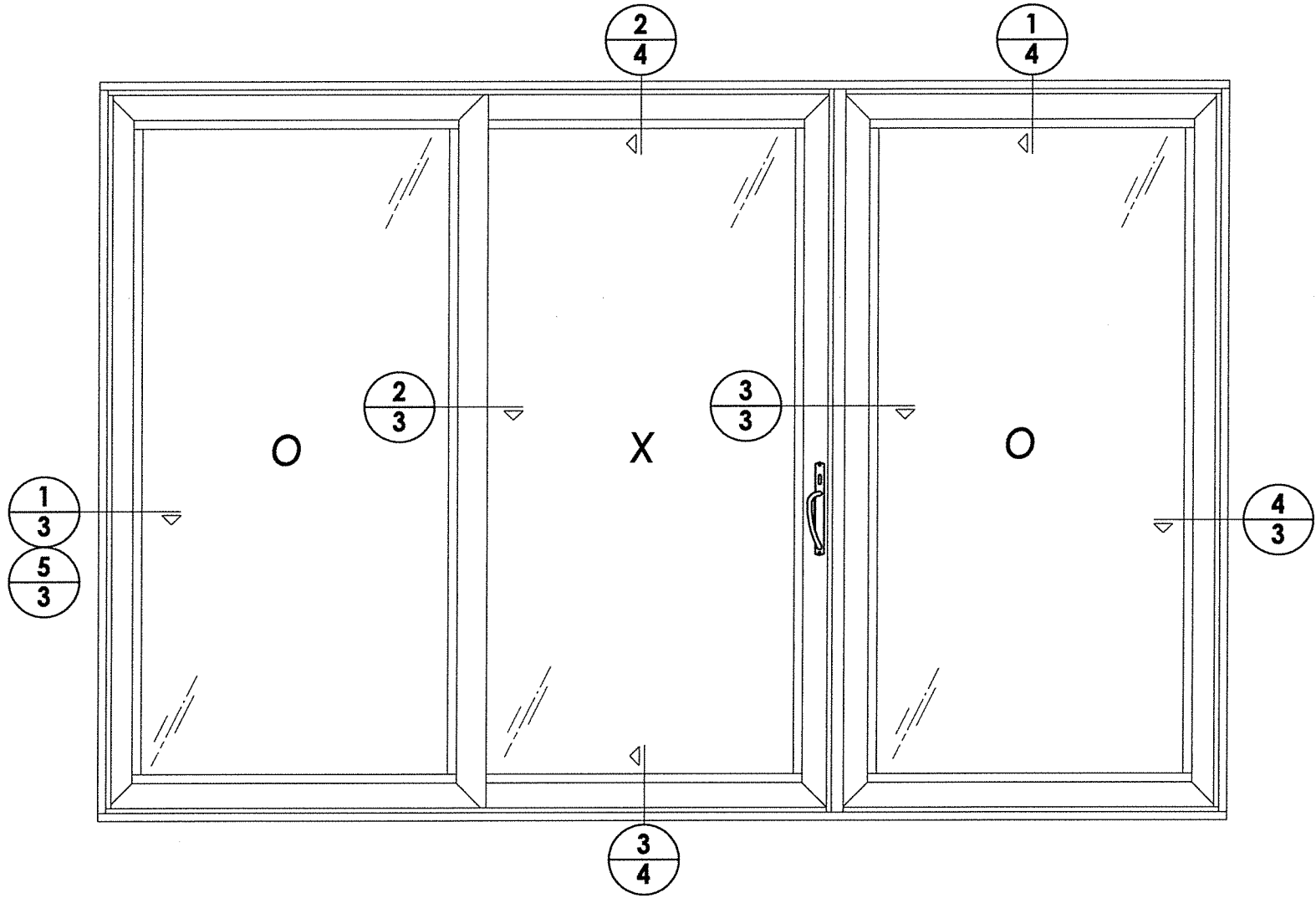
MAX FRAME DIMENSION	MAX D.L.O. DIMENSION	INTERLOCK	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POS.	NEG.
143.5" X 95.0"	38.75" X 83.125"	PVC	G1	+30.0	-45.0



07/28/2020

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

DATE: 10/10/16		PRODUCT: DOERS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15450.12		PART OR ASSEMBLY:	
		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
SHEET 1 OF 8			



DATE: 10/10/16		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-15450.12		SHEET 2 OF 8	
NO. DATE		REVISIONS	
1	7/28/20	UPDATE TO 7th ED. (2020)	FBC DAC BY

PRODUCT: DOERS	
PART OR ASSEMBLY: ELEVATION	

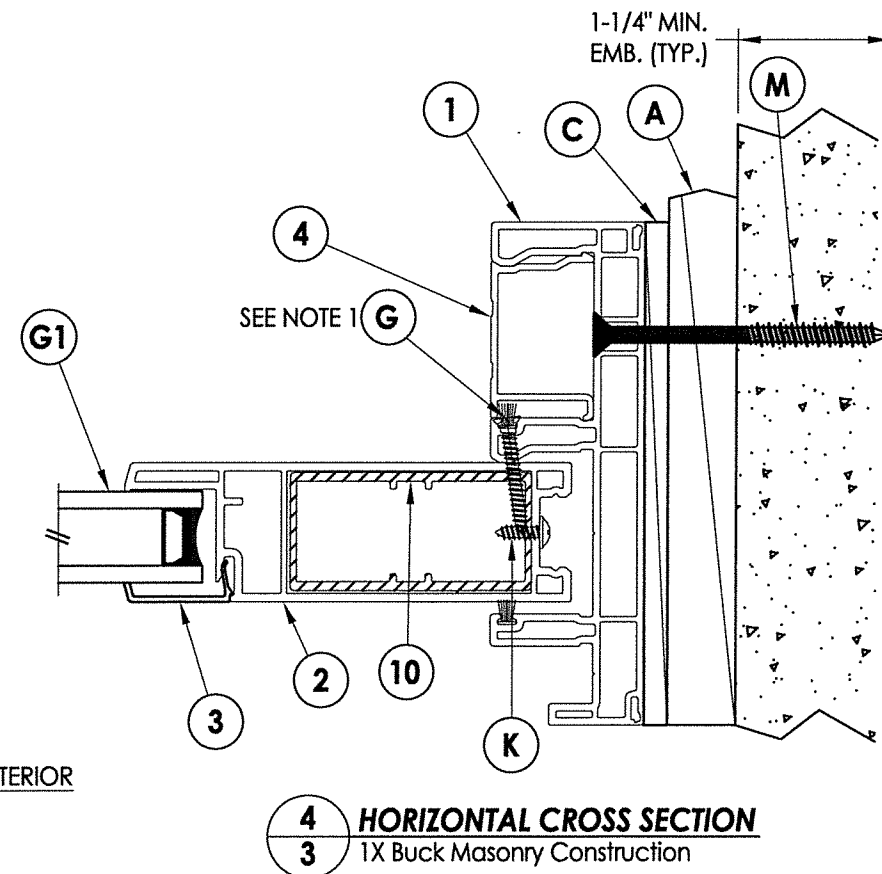
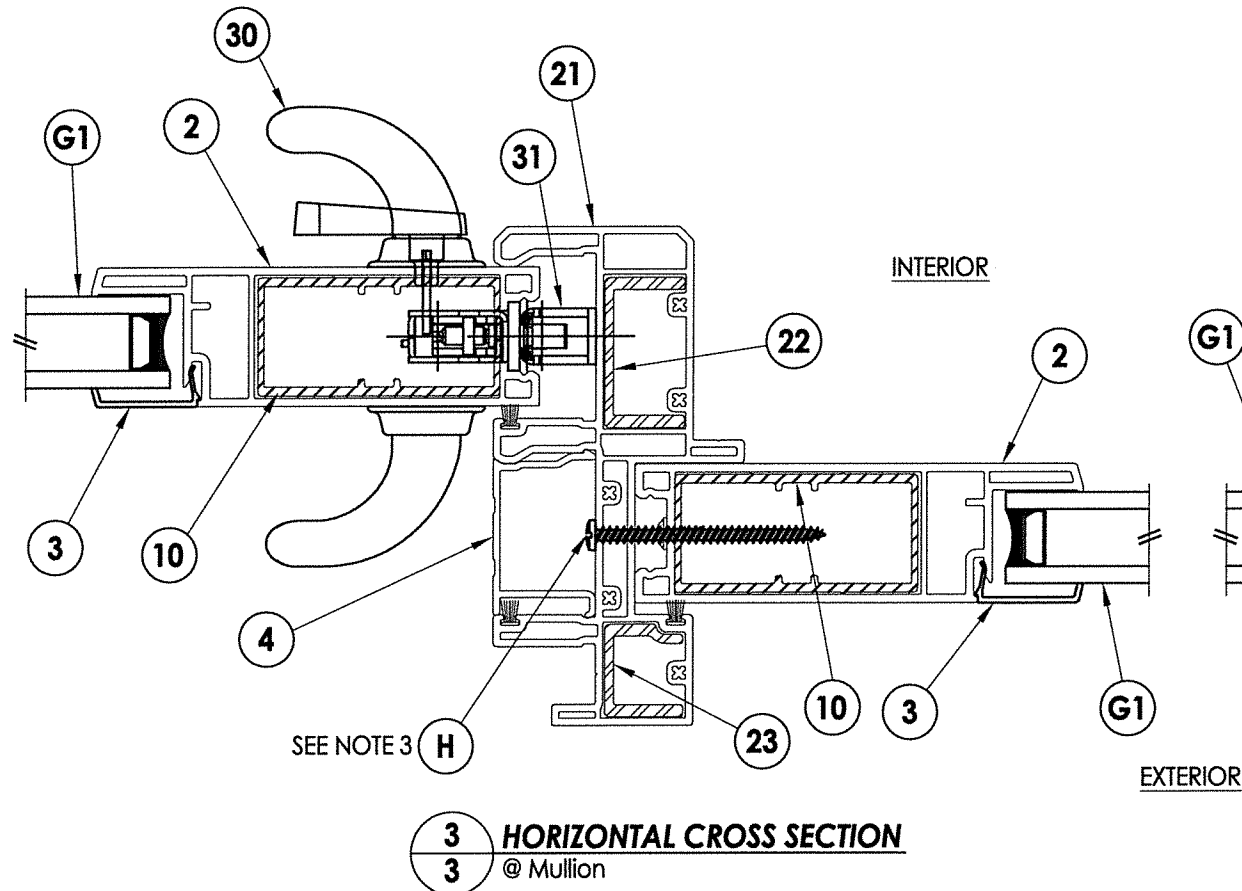
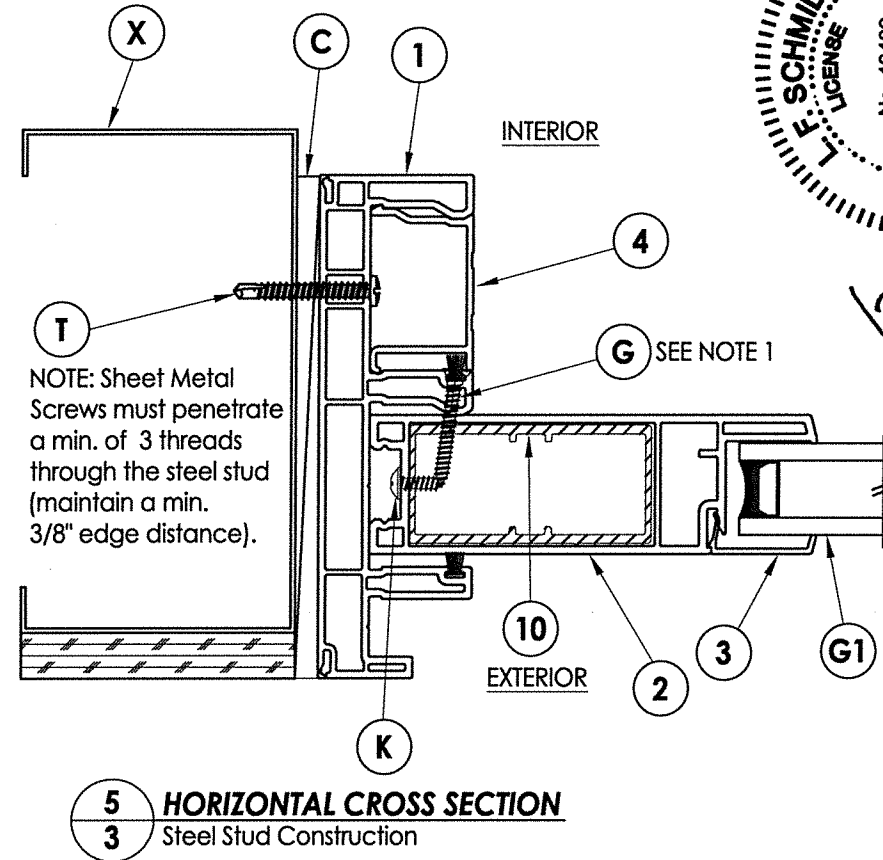
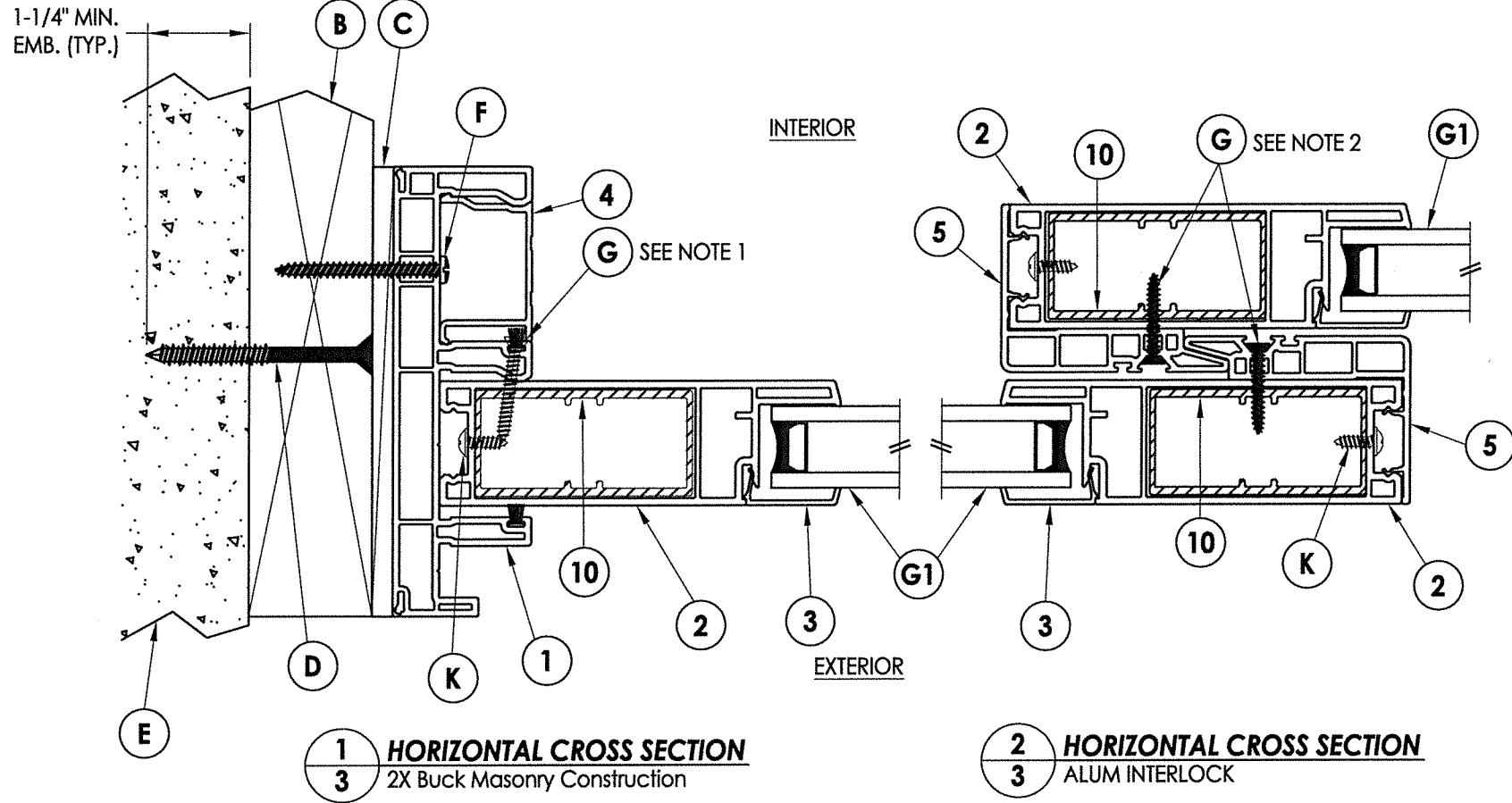
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

07/28/2020

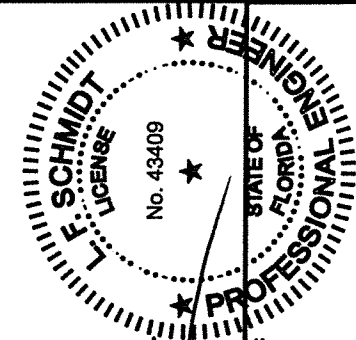
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 43409

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

\\dc01\wbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15450 Exterior Doors - Sliding Patio Doors\C - Drawings\FL-15450 (2020)\FL-15450.12.dwg



- NOTES:
- Item #G located 6" from each end then 4 more equally spaced (6 total).
 - Item #G located 3" from each end then 8 more equally spaced (10 total).
 - Item #H located 6" from each end and 12" o.c. (8 total).

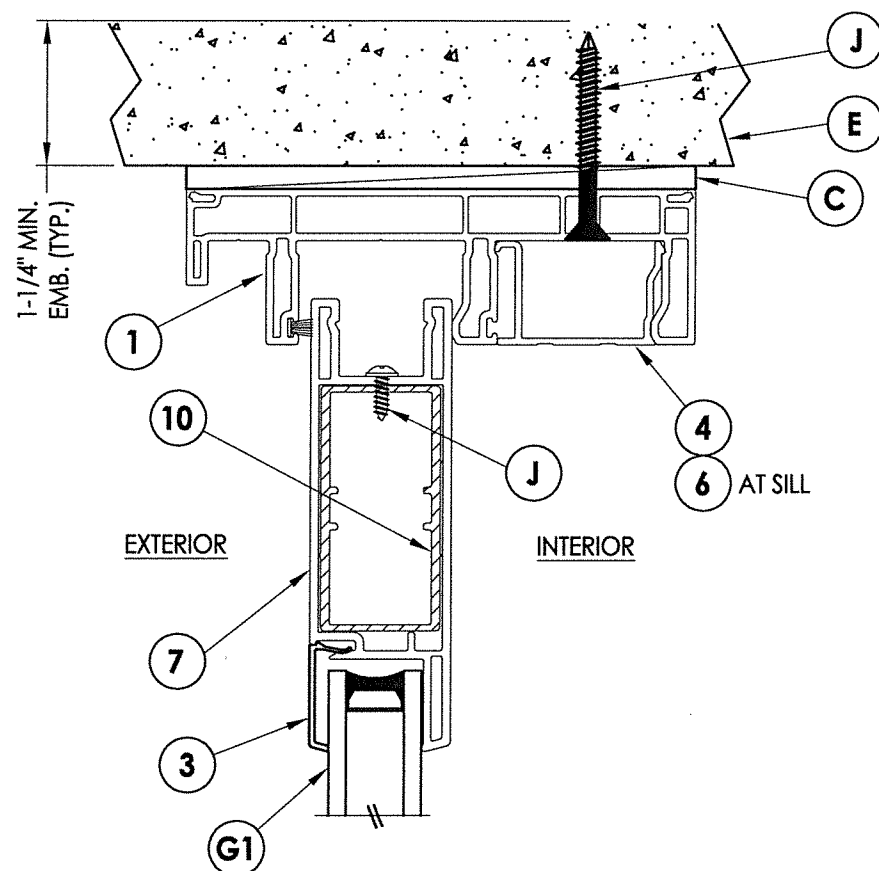


07/28/2020

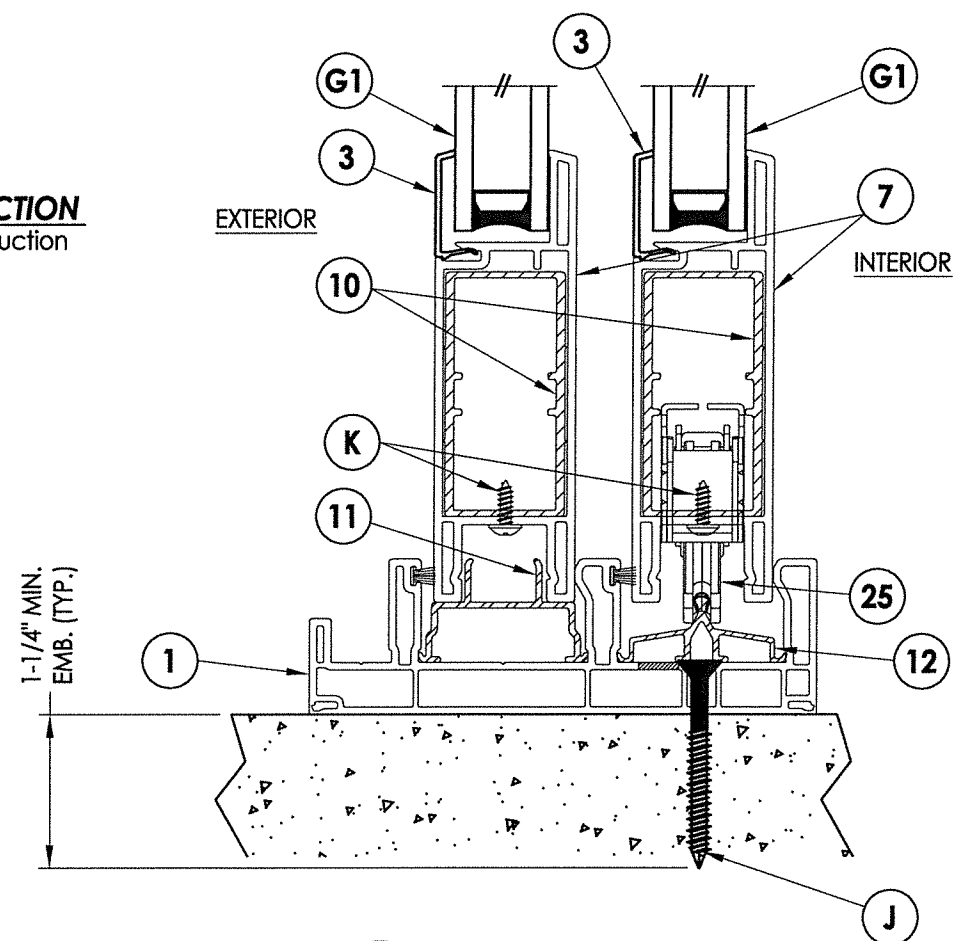
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

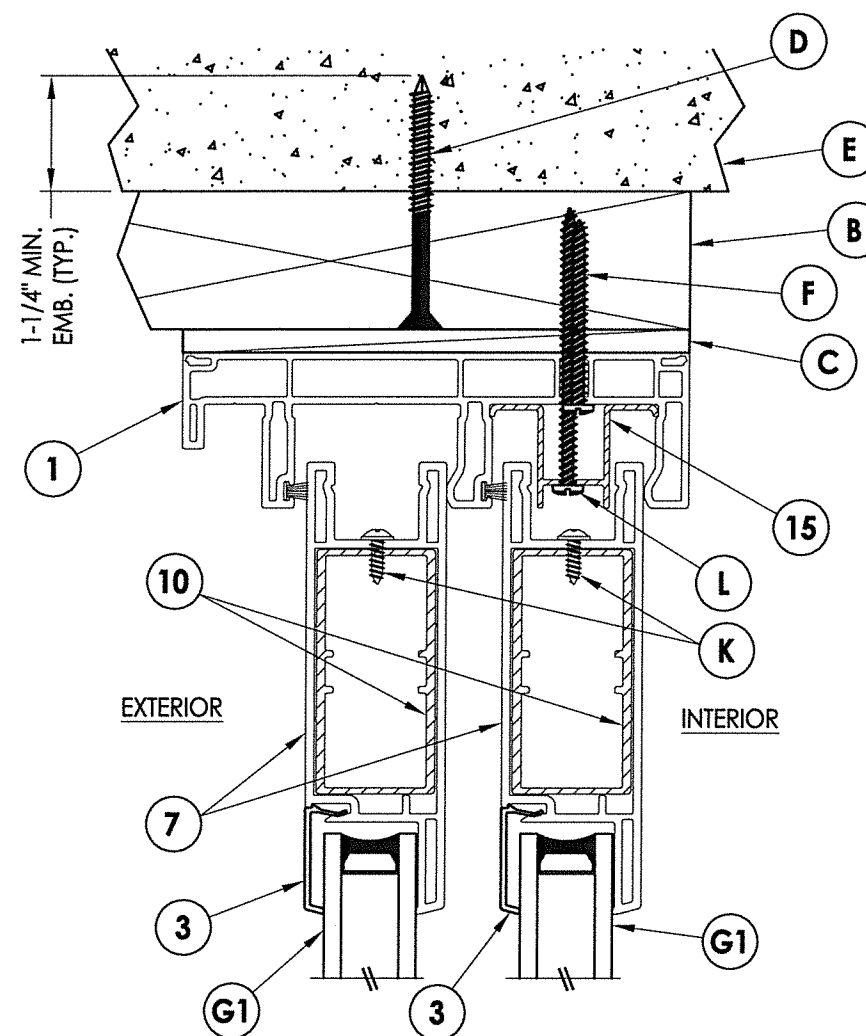
PRODUCT:		DOERS	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	FBC	DAC
			BY
1	7/28/20	UPDATE TO 7th ED. (2020)	
REVISIONS			
DATE: 10/10/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15450.12			
SHEET 3 OF 8			



1 **VERTICAL CROSS SECTION**
4 Direct to Masonry Construction

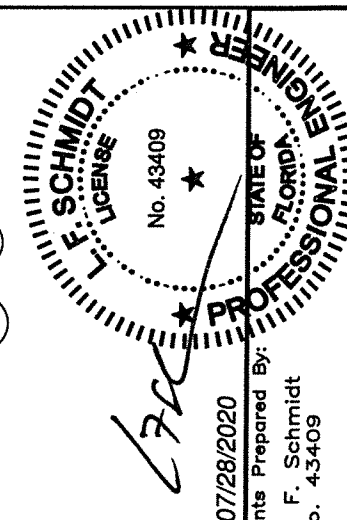


3 VERTICAL CROSS SECTION



2 VERTICAL CROSS SECTION

4 2X Buck Masonry Construction



07/28/2020

Documents Prepared By: 01/20/2020

F. Schm
p. 43409

PBC BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

DATE: 10/10/16		PRODUCT: DOERS PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15450.12			
SHEET 4	OF 8		

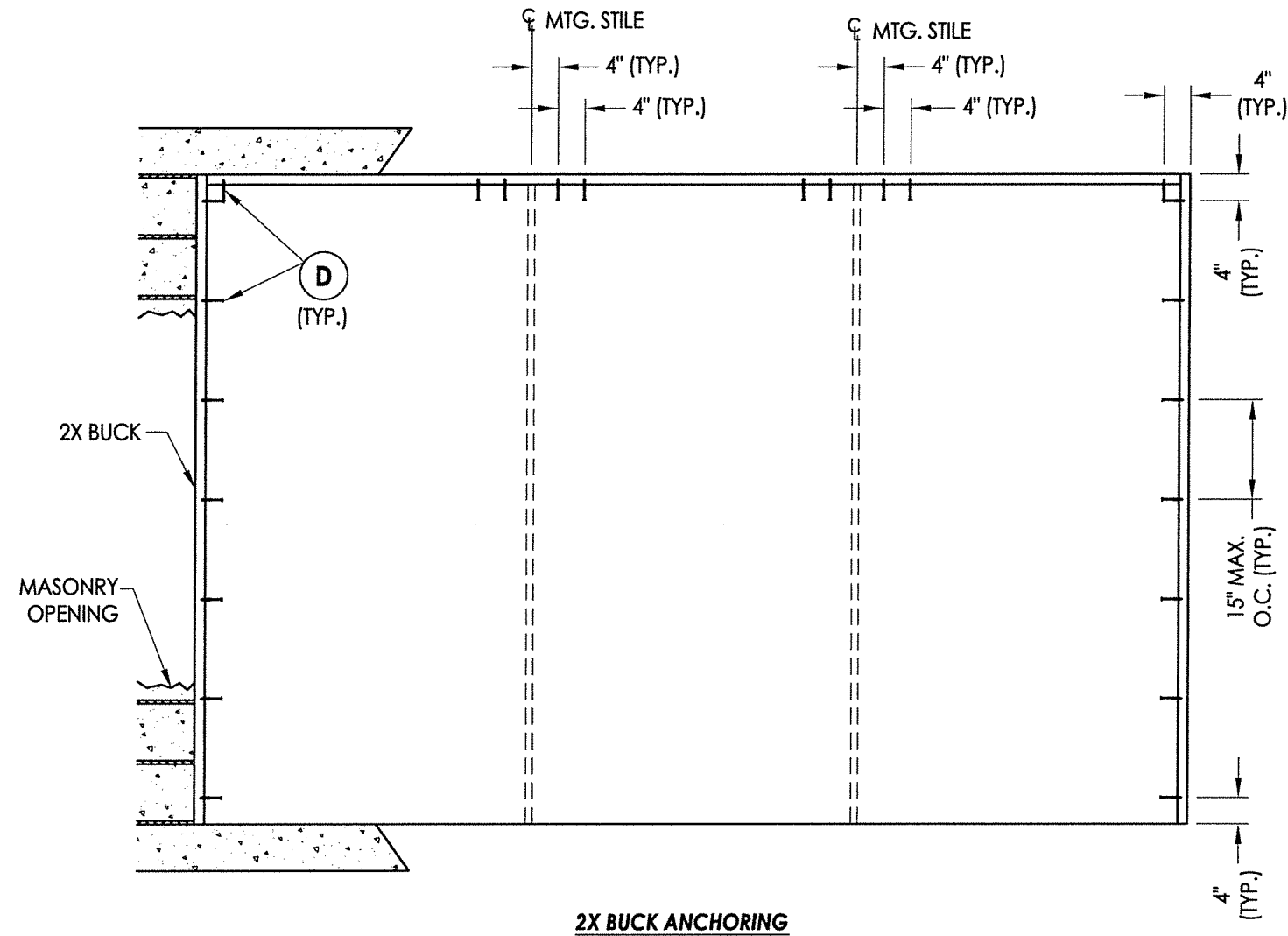
CONCRETE ANCHOR NOTES:

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.



DATE: 10/10/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15450.12

SHEET 5 OF 8

1	7/28/20	UPDATE TO 7th ED. (2020)	FBC	DAC					
NO.	DATE			BY					
					REVISIONS				

PRODUCT: DOERS

PART OR ASSEMBLY: BUCK AND FRAME ANCHORING

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P.E. No. 43409

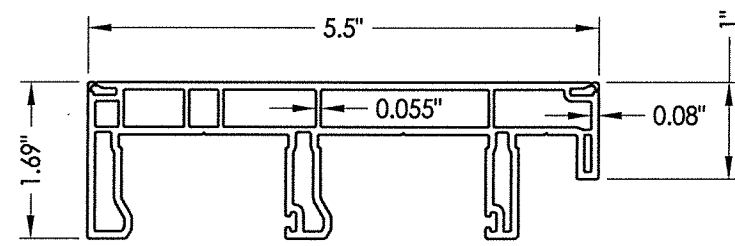
07/28/2020

STATE OF FLORIDA
PROFESSIONAL ENGINEER

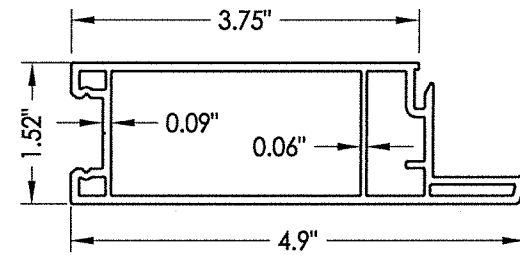
Lyndon F. Schmidt
P.E. No. 43409

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

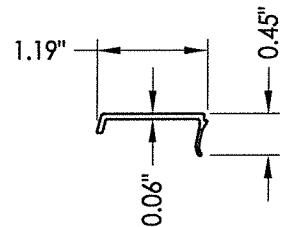
FL SCHMIDT
LICENSE
No. 43409



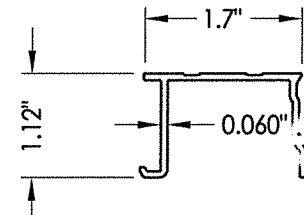
① FRAME
8572-356-D60



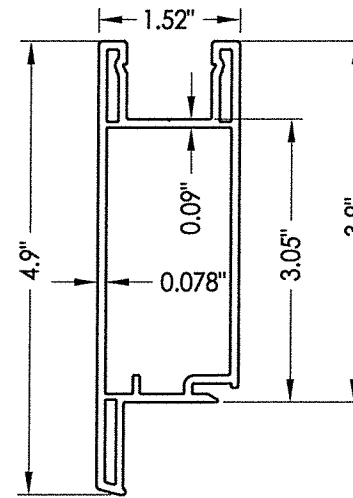
② STILE
8567-356-D54



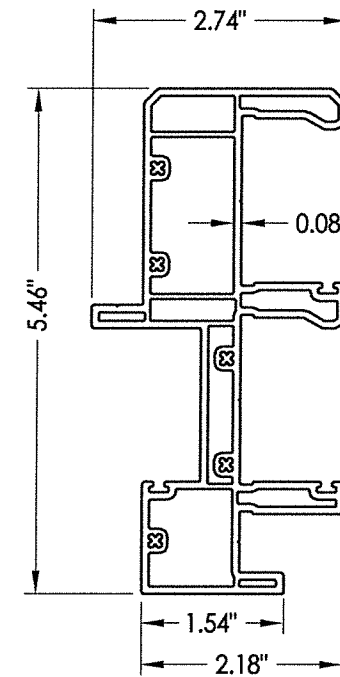
3 GLAZING BEAD
8570-356-D57



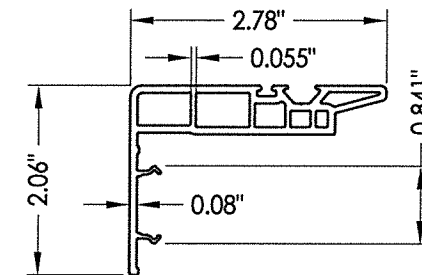
4 **FRAME CAP**
8571-356-D58



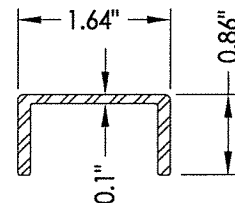
7 TOP AND BOTTOM RAIL
8568-356-D55



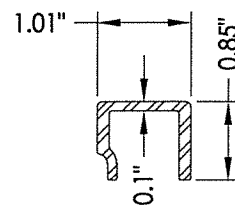
21 MULLION
356-A61



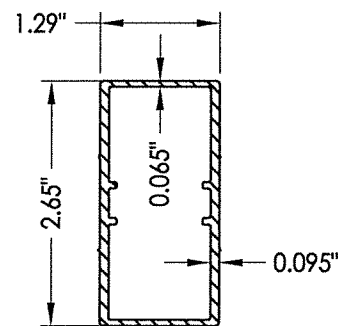
5 INTERLOCK
8573-356-D63



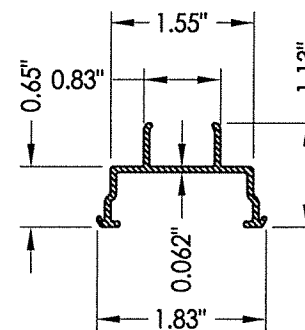
22 REINFORCEMENT



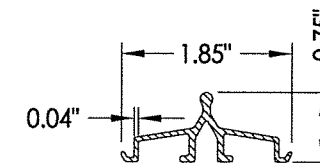
23 REINFORCEMENT
356-A61-B



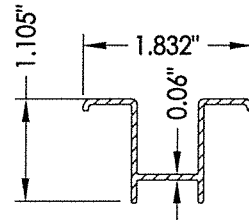
10 REINFORCEMENT
356-A54-55



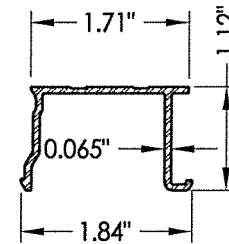
11 **FIXED TRACK**
356-A65



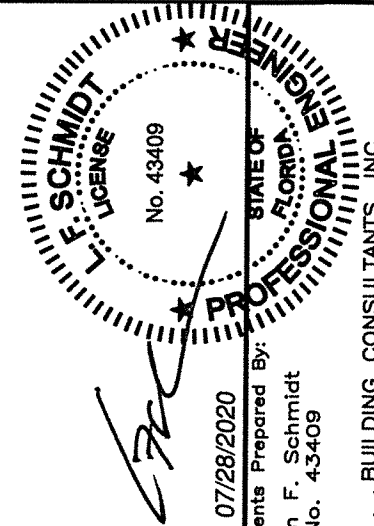
12 ROLLER TRACK
356-A51-52-TRK



15 ANTI-LIFT-OUT BLOCKS



6 SILL CAP
356-A51-52-COV



07/28/2020

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

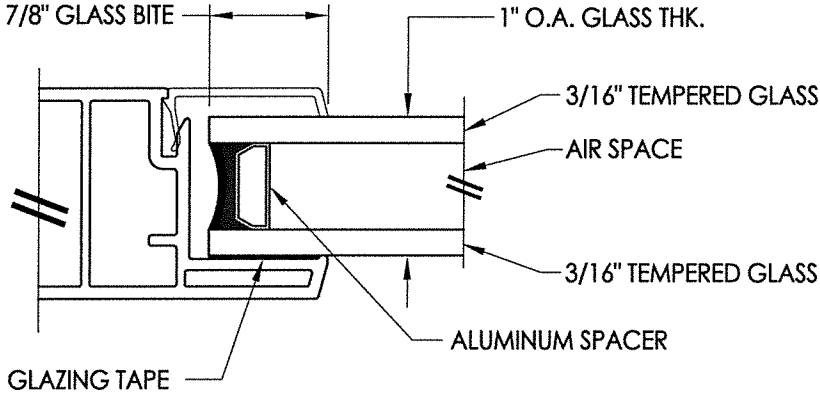
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

DATE: 10/10/16		PRODUCT: DOERS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15450.12		PART OR ASSEMBLY: COMPONENTS	
SHEET 7 OF 8			

\\dc01\vwbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15450 Exterior Doors - Sliding Patio Doors\C - Drawings\FL-15450 (2020)\FL-15450.12.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" PPH SMS	STEEL
J	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
K	#8 X 1/2" PPH SMS	STEEL
L	#10 X 3" PPH SMS (1-1/4" MIN. EMBEDMENT)	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 *	PVC
6	SILL CAP (6063-T5 ALUM)	ALUM
7	SASH TOP AND BOTTOM RAIL *	PVC
10	REINFORCEMENT (6065-T5 ALUM)	ALUM
11	FIXED TRACK (6065-T5 ALUM)	ALUM
12	SILL ROLLER TRACK (6063-T5 ALUM)	ALUM
15	ANTI-LIFT-OUT BLOCKS (6063-T5)	ALUM
21	MULLION*	PVC
22	MULLION REINFORCEMENT (6063-T5)	ALUM
23	MULLION REINFORCEMENT (6063-T5)	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

 SCHMIDT No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER 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: BILL OF MATERIALS AND GLAZING DETAIL	
DATE: 10/10/16		NO. DATE	
SCALE: N.T.S.		1 7/28/20	
DWG. BY: JK		UPDATE TO 7th ED. (2020) FBC	
CHK. BY: LFS		BY	
DRAWING NO.: FL-15450.12		REVISIONS	
SHEET 8 OF 8			