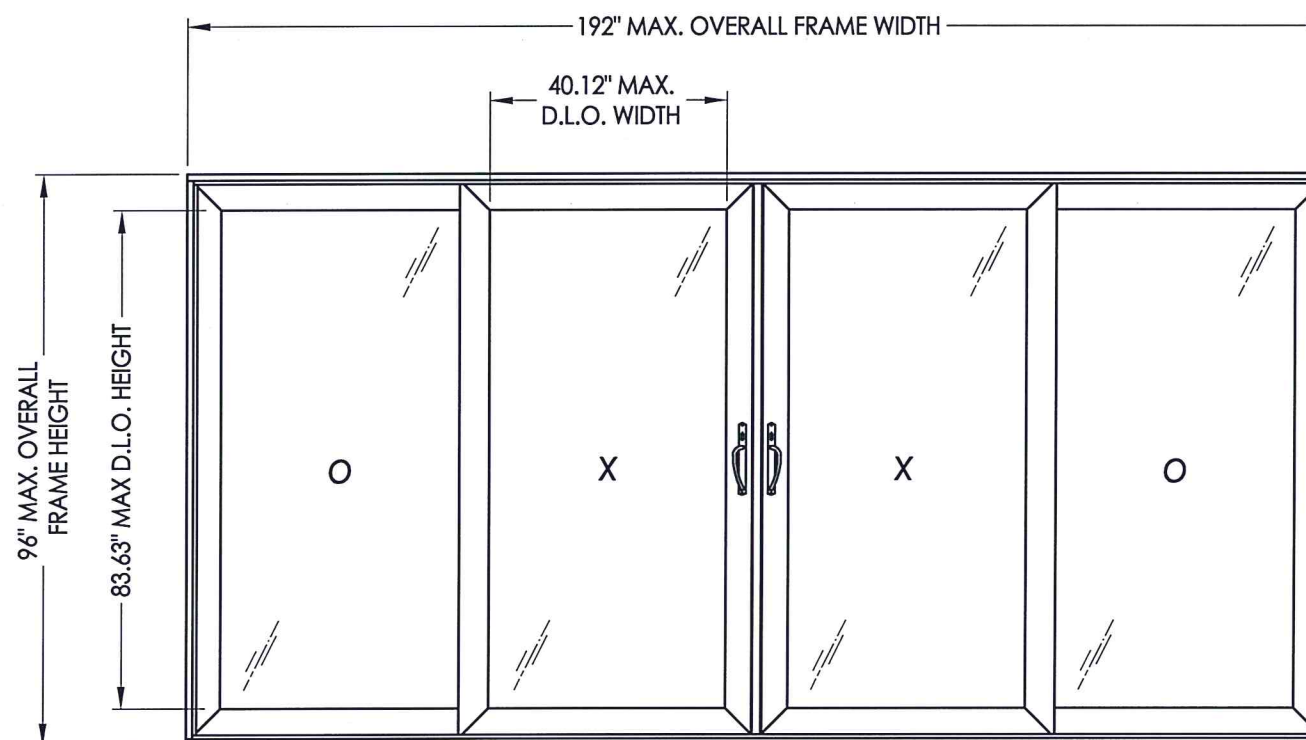


"NON-IMPACT"

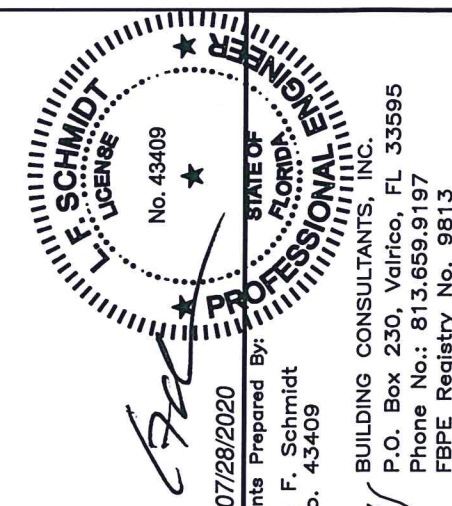
GENERAL NOTES

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 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	Horizontal cross sections
3	Vertical and horizontal cross sections
4	Buck anchoring
5	Frame anchoring
6	Bill of materials, glazing detail and components



MAX FRAME DIMENSION	MAX D.L.O. DIMENSION	INTERLOCK	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POS.	NEG.
192.0" X 96.0"	40.12" X 83.63"	PVC	G1	+45.0	-45.0



07/28/2020

01/28/2020
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

PRODUCT:	Doers
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

[illegible]

DATE: 2/10/16

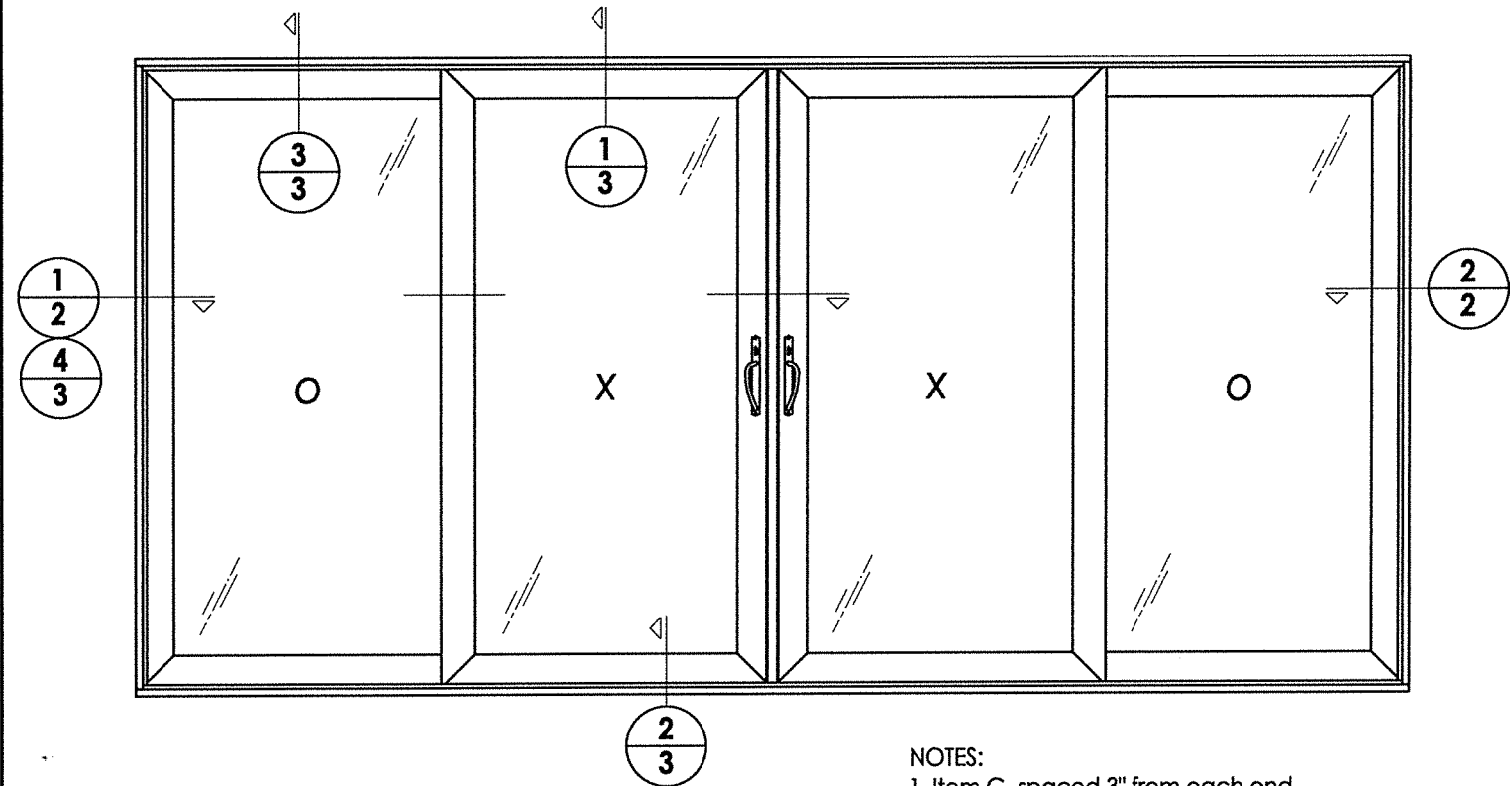
SCALE: N.T.S.

DWG. BY: JK

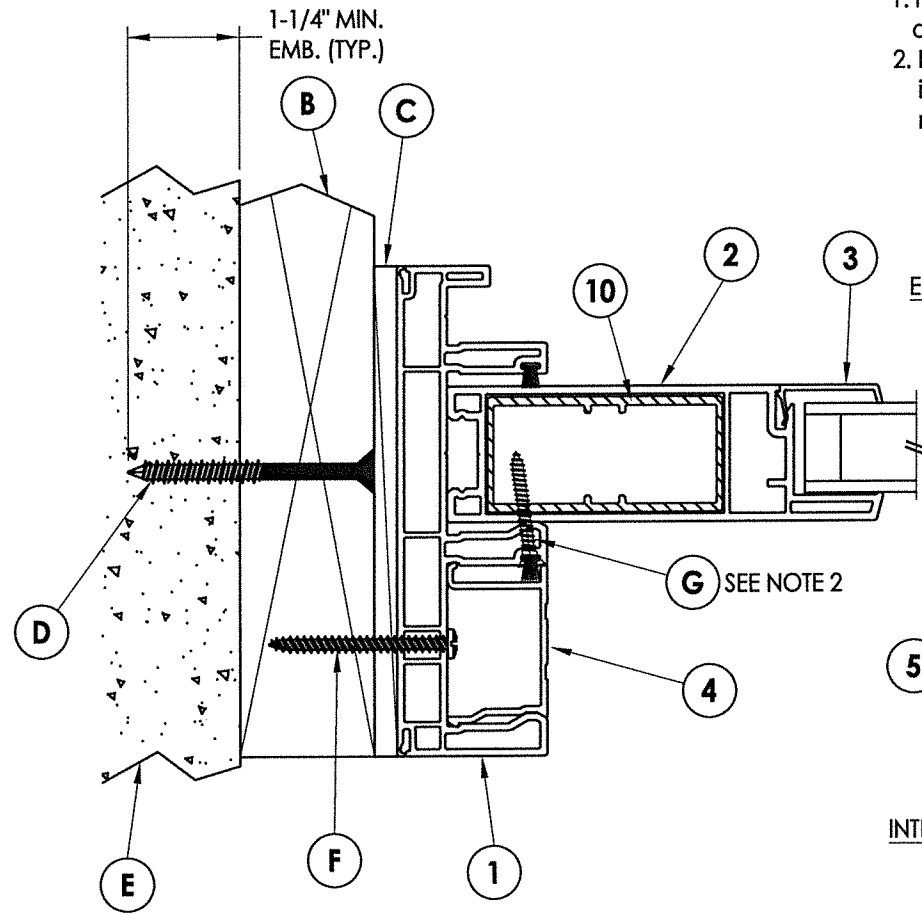
CHK. BY:

DRAWING NO.:
FL-15450.5

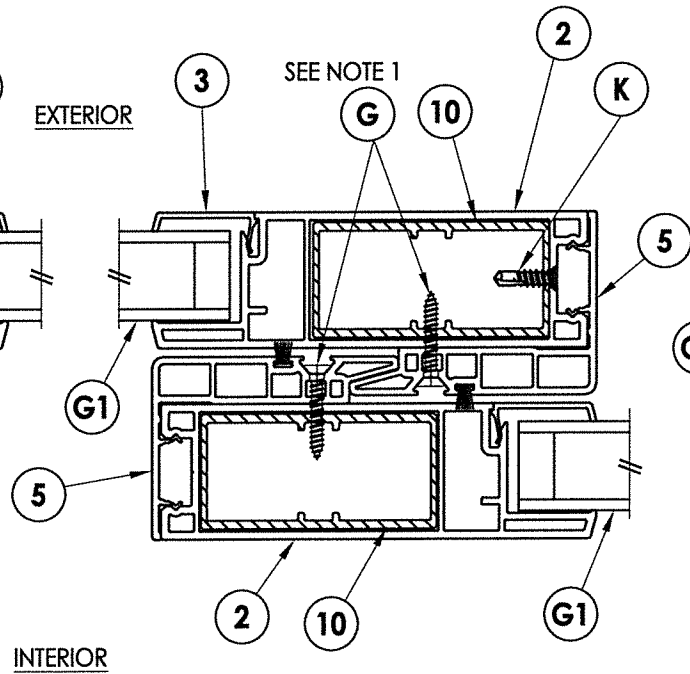
SHEET 1 OF 6



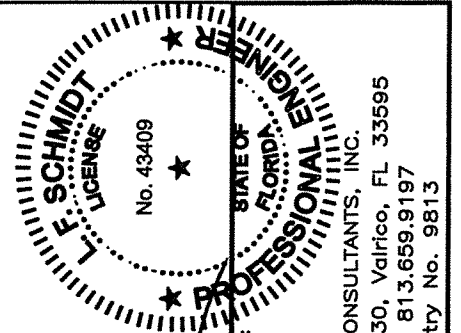
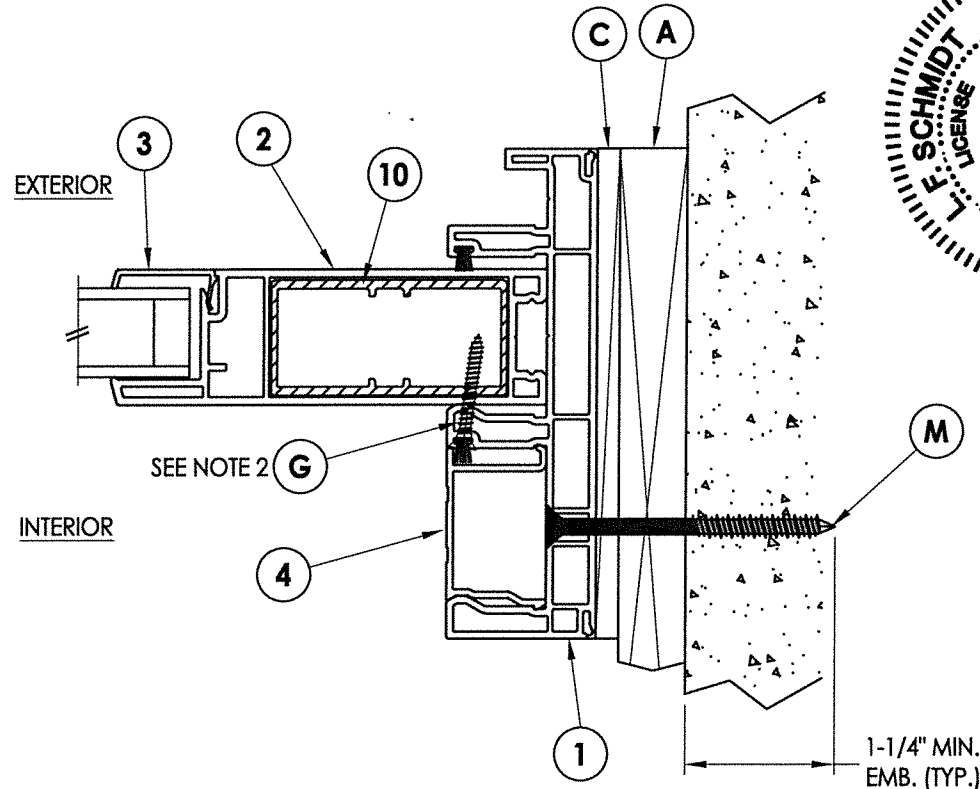
- NOTES:
- Item G, spaced 3" from each end and 7 more equally spaced (9 total).
 - Fixed panel secured to frame with item G, 6" from each end and 6 more equally spaced (8 total).



1 **HORIZONTAL CROSS SECTION**
2 2X Buck Masonry Construction

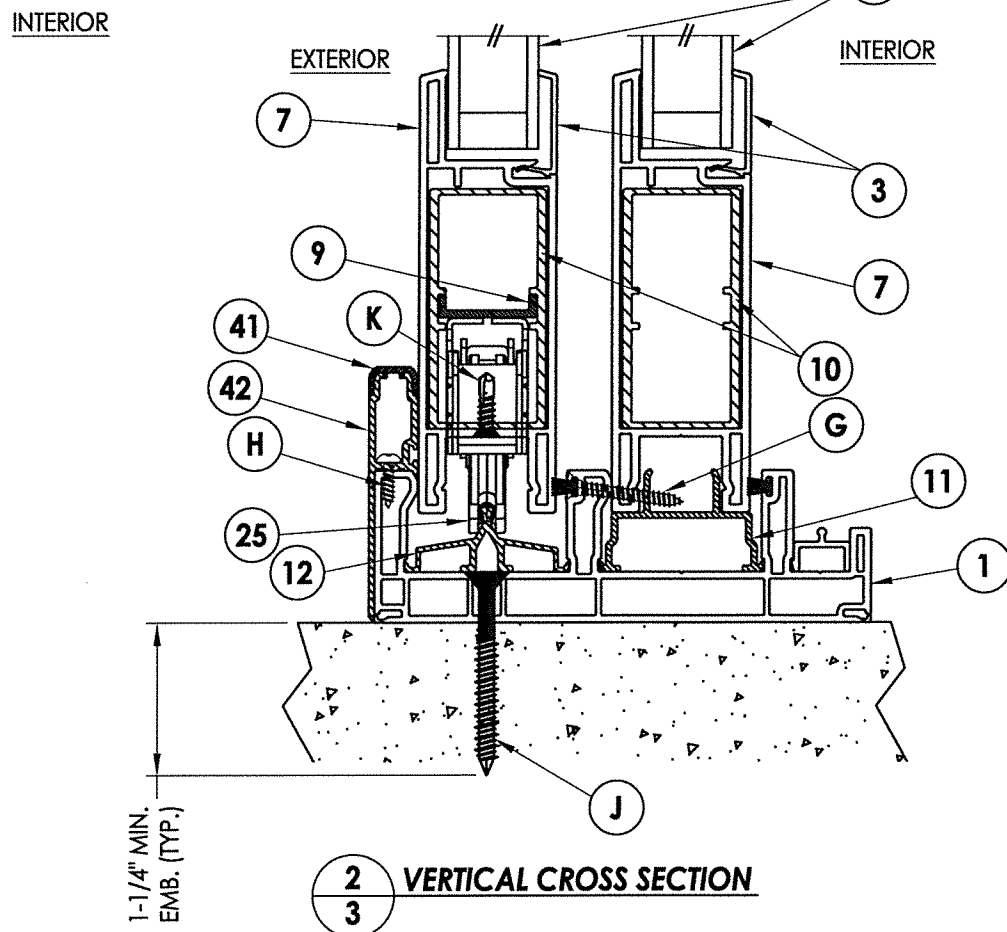


2 **HORIZONTAL CROSS SECTION**
2 1X Buck Masonry Construction

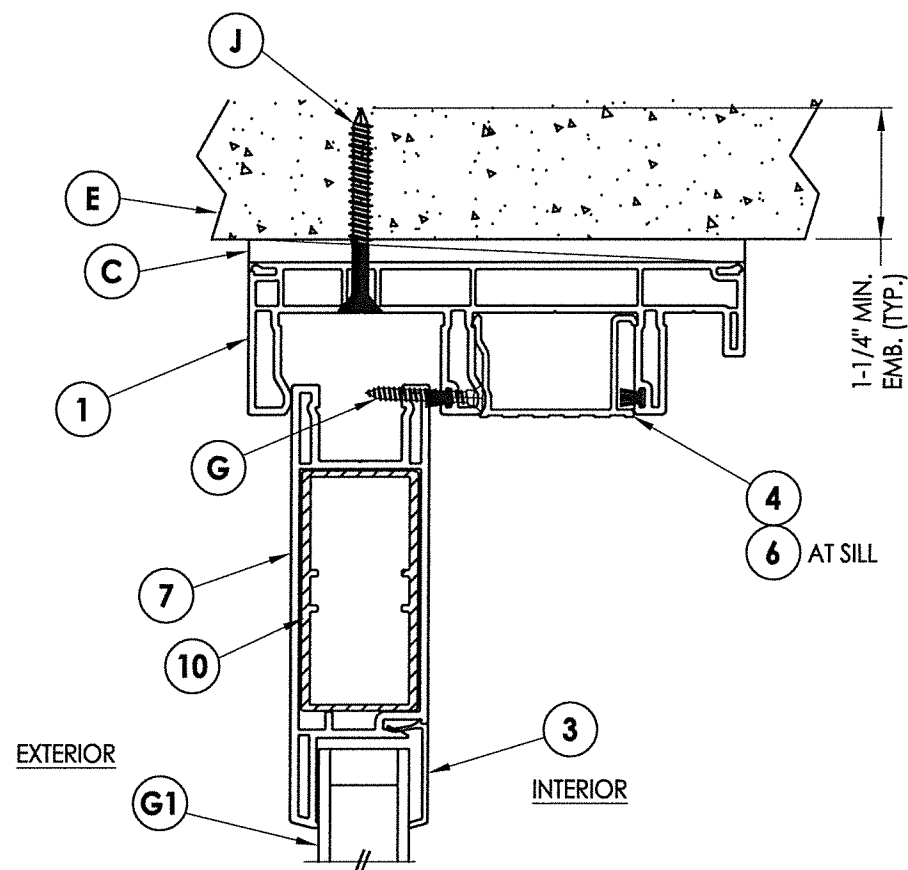


07/28/2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

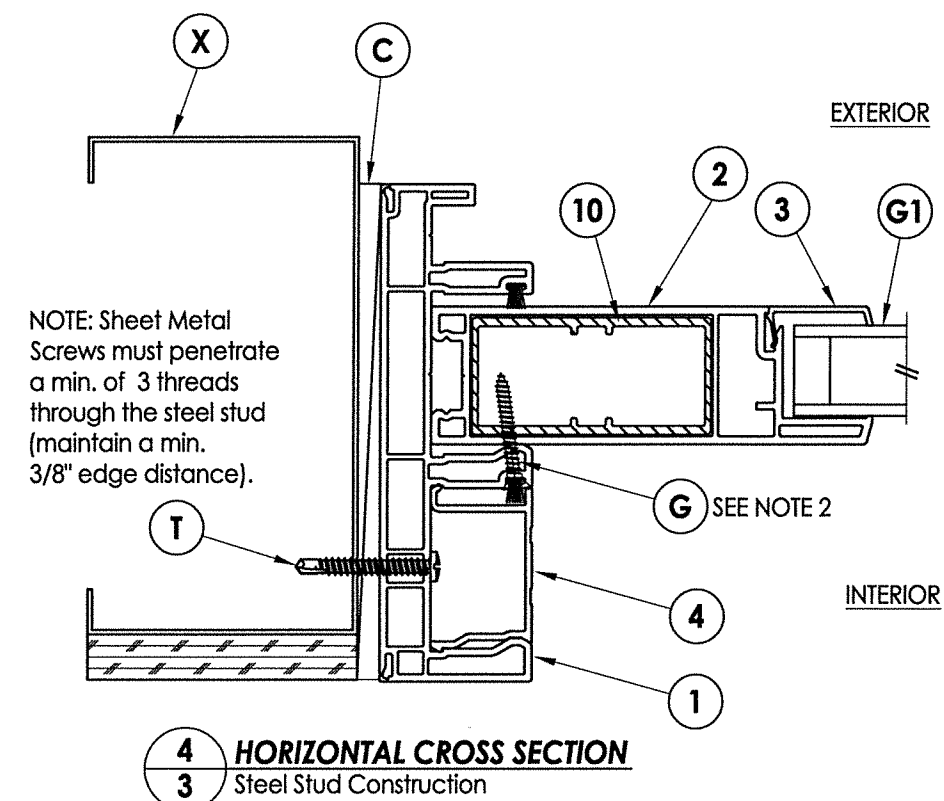
PRODUCT:		Doors	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
3	7/28/20	JK	UPDATE TO 7TH ED. (2020) FBC
2	01/12/18	JK	ADD STEEL STUD ANCHORING
1	10/05/17	JK	UPDATE TO 6TH ED. (2017) FBC
DATE			
DATE:	2/10/16		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	FL-15450.5		
SHEET	2	OF	6



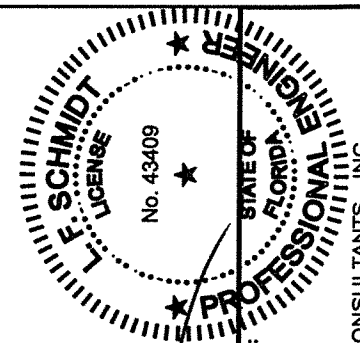
EXTERIOR



3 VERTICAL CROSS SECTION
3 Direct to Masonry Construction



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



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

PRODUCT: Doers

OR ASSEMBLY:
VERTICAL & HORIZONTAL
CROSS SECTIONS

[illegible]

DATE: 2/10/16

SCALE: N.T.S.

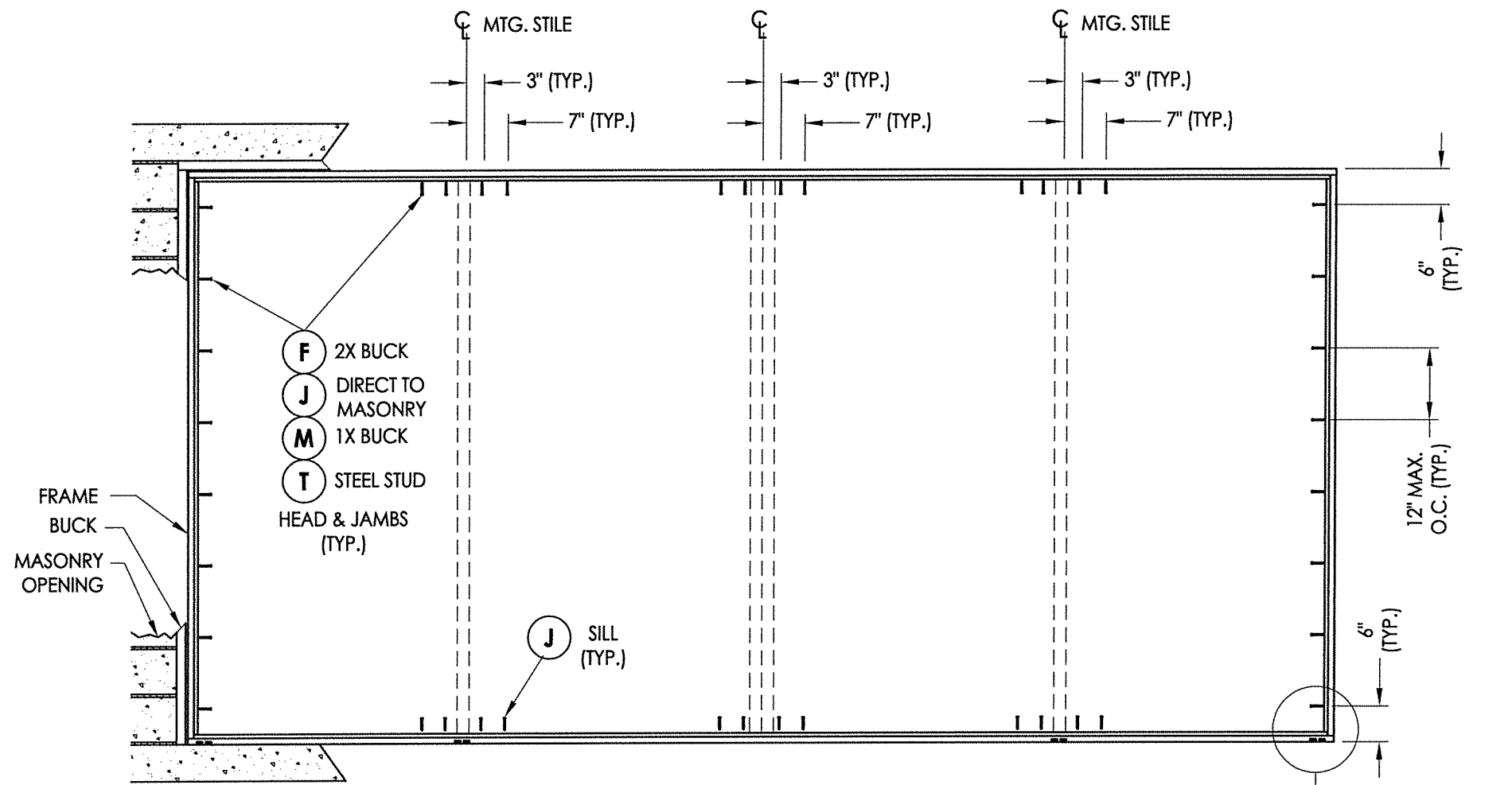
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15450.5

SHEET 3 OF 6



FRAME ANCHORING

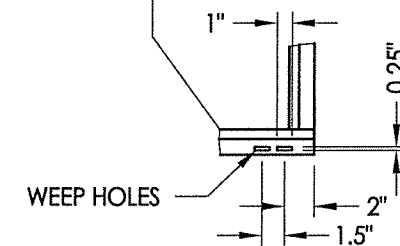
CONCRETE ANCHOR NOTES:

- 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:

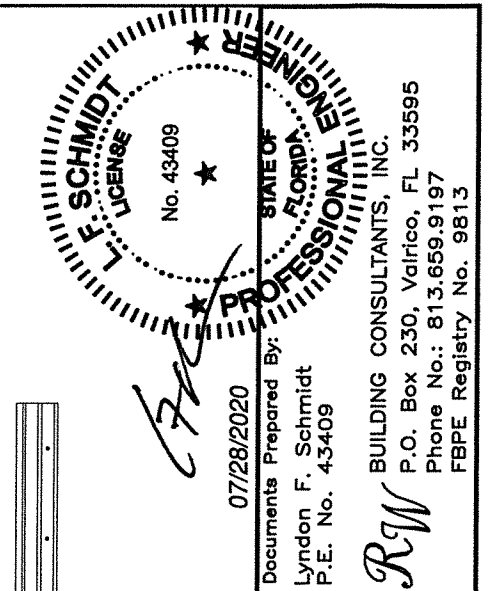
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

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.



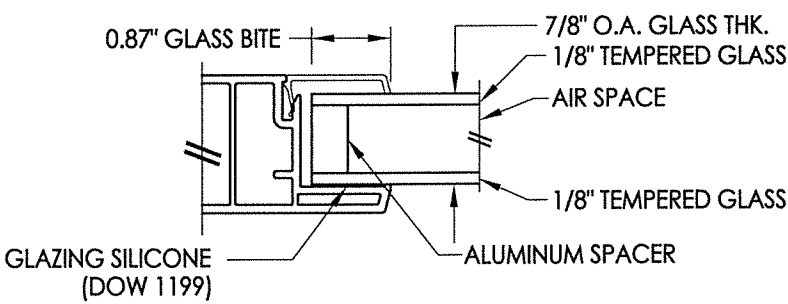
JAMB TRACKS

[illegible]

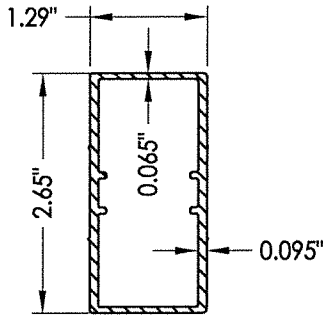
\\dc01\rbw\clients\Doers PERMANENT\A - Florida Product Approvals\FL-15450 Exterior Doors - Sliding Patio Doors\C - Drawings\FL-15450 (2020)\FL-15450.4-5.dwg

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	#6 X 1/2" PPH SMS	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	#8 X 1-1/2" PPH SMS	STEEL
P	#8 X 1/2" PPH SMS	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
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
25	ROLLER ASSM.	STEEL
30	LOCK AND HANDLE	-
40	ASTRAGAL (6063-T5 ALUM)	ALUM
41	DAM CAP (6063-T5 ALUM)	ALUM
42	HIGH DAM (6063-T5 ALUM)	ALUM

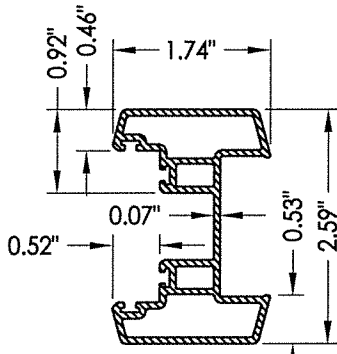
* THE APPROVED WHITE RIGID PVC EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATIONS PROGRAMS FOR RIGID PVC EXTRUSIONS".



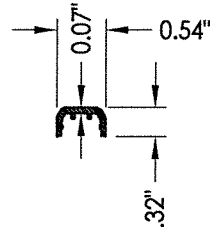
G1 GLAZING DETAIL



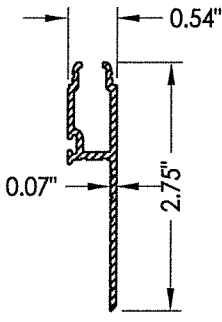
10 REINFORCEMENT
356-A54-55



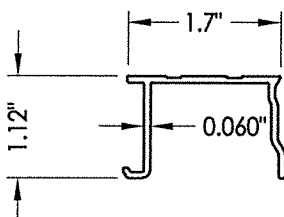
40 ASTRAGAL
356-A60



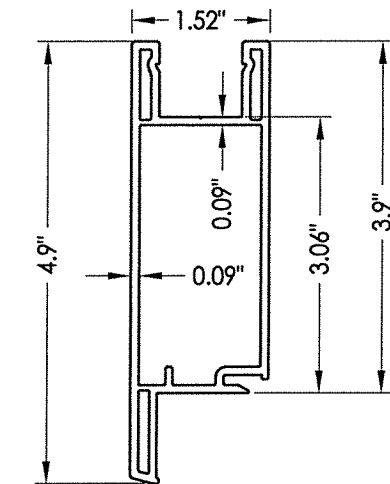
41 DAM CAP
356-A51-A



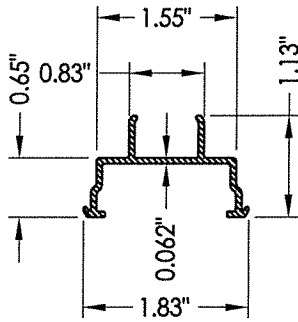
42 HIGH DAM
356-A51-DP70



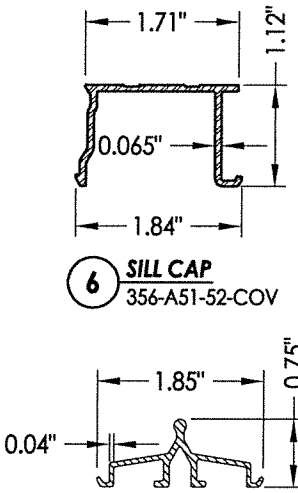
4 FRAME CAP
8571-356-D58



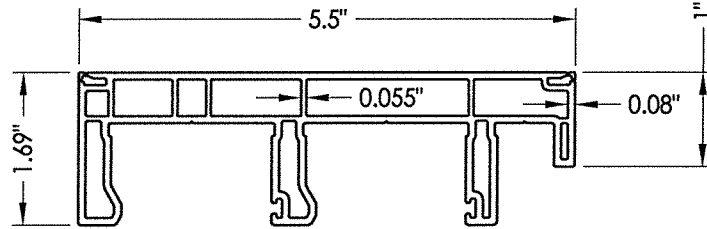
7 SASH TOP AND BOTTOM RAIL
8568-356-D55



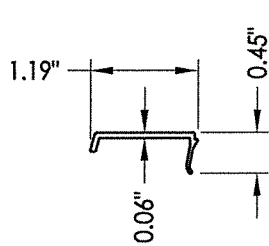
11 FIXED TRACK
356-A65



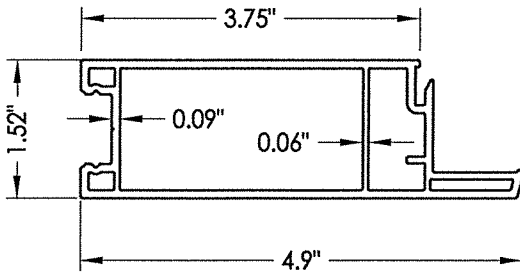
12 ROLLER TRACK
356-A51-52-TRK



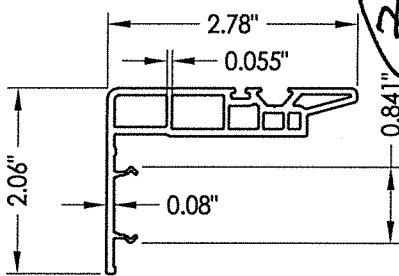
1 FRAME
8572-356-D60



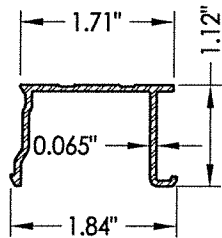
3 GLAZING BEAD
8570-356-D57



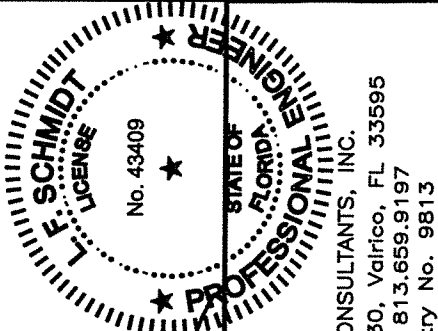
2 SASH STILE
8567-356-D54



5 INTERLOCK
8573-356-D63



6 SILL CAP
356-A51-52-COV



Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
07/28/2020
R.W. 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: 2/10/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15450.5

SHEET 6 OF 6