

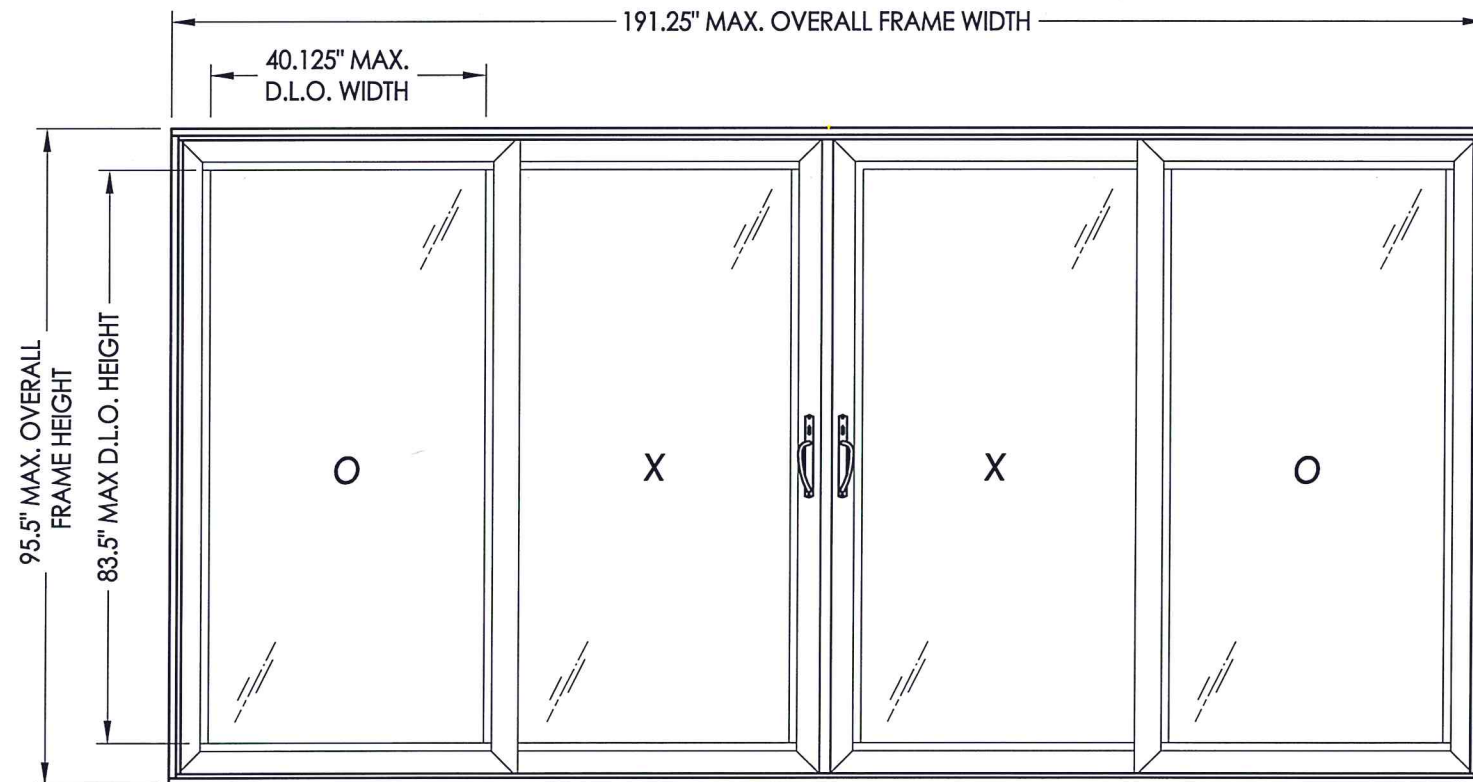


6000 Series Model 6450 Sliding Patio Door "IMPACT"

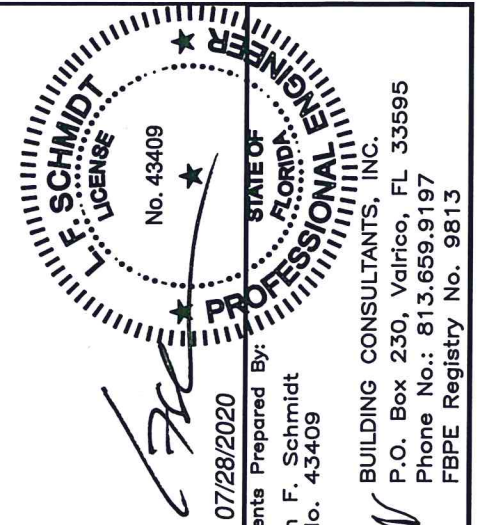
GENERAL NOTES

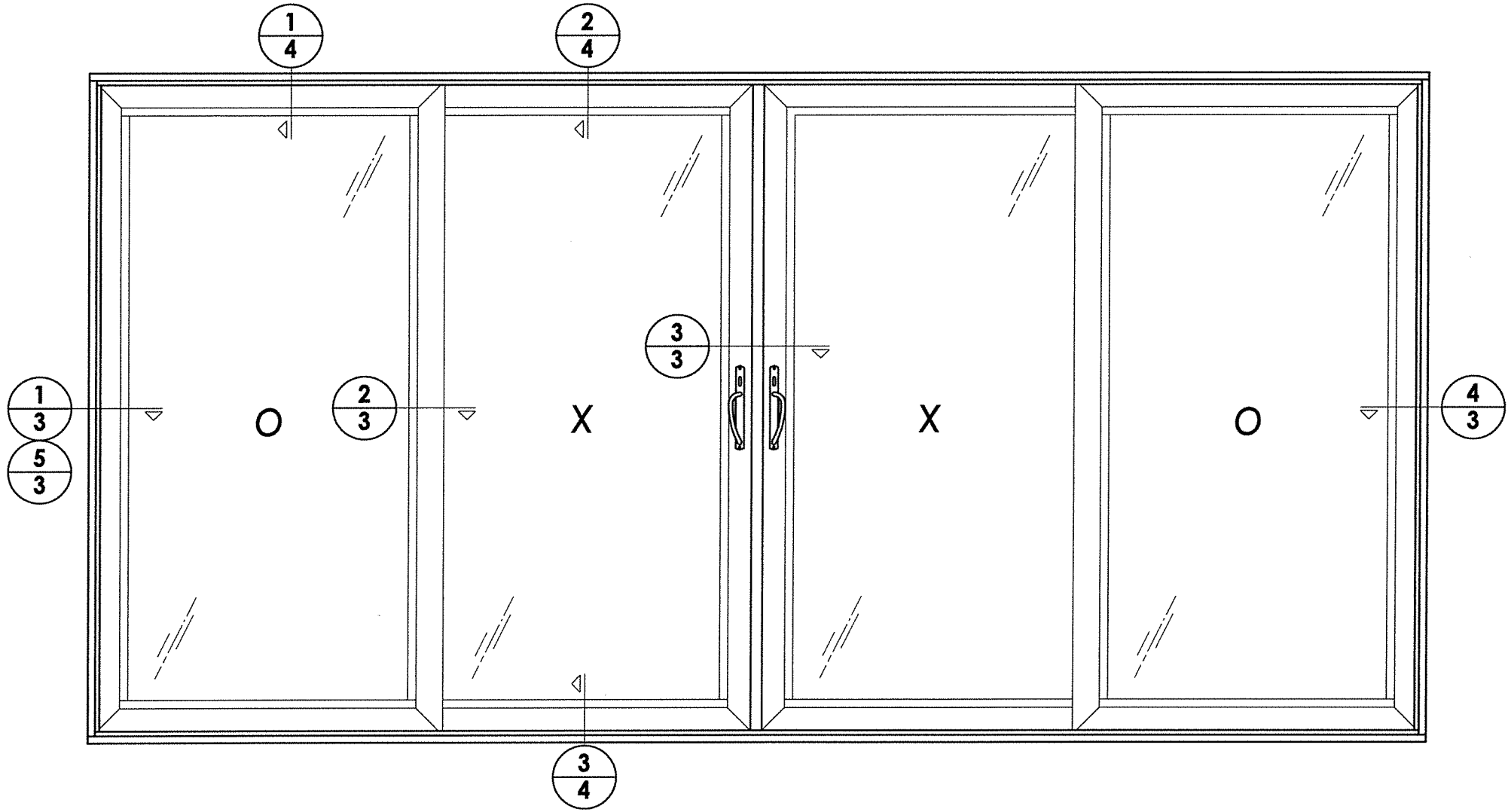
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product 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. 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.
191.25" X 95.5"	40.125" X 83.5"	ALUM	G1	+45.0	-55.0

[illegible]



DATE: 01/12/18
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15450.10
SHEET 2 OF 8

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

PRODUCT:	DOERS
PART OR ASSEMBLY:	ELEVATION

07/28/2020

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07/28/2020

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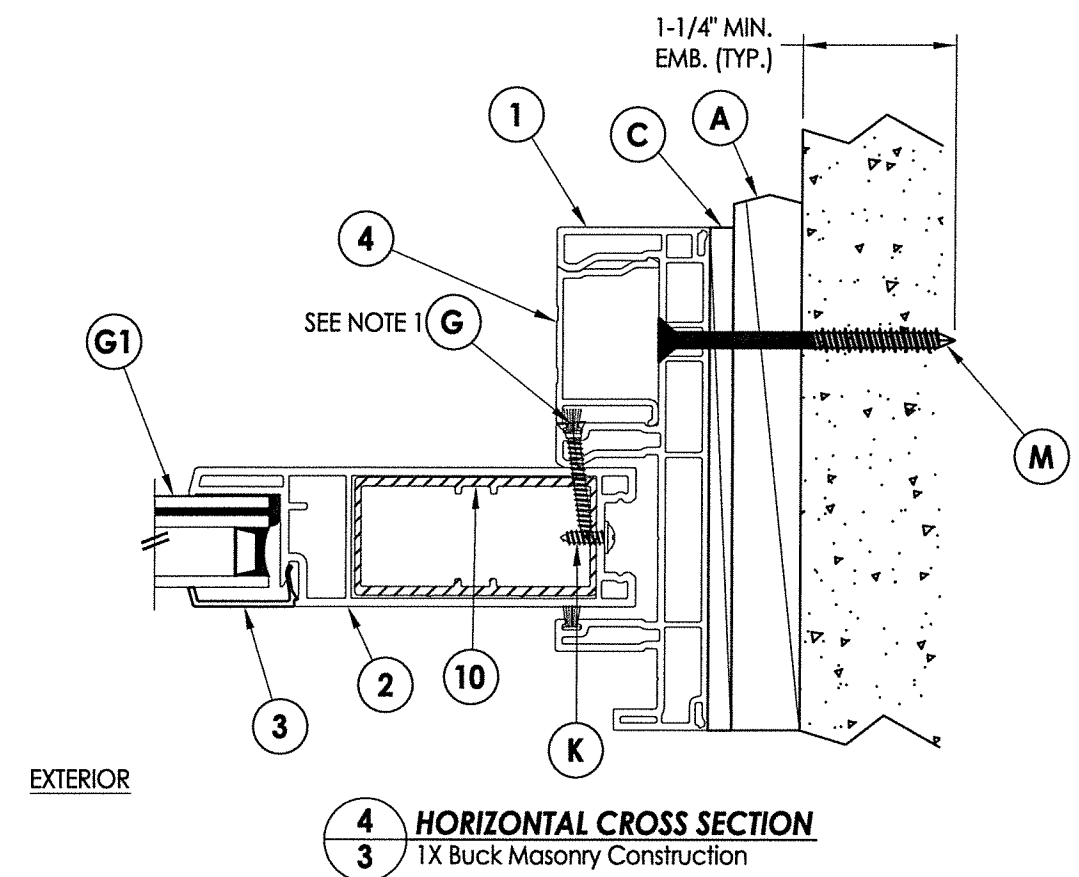
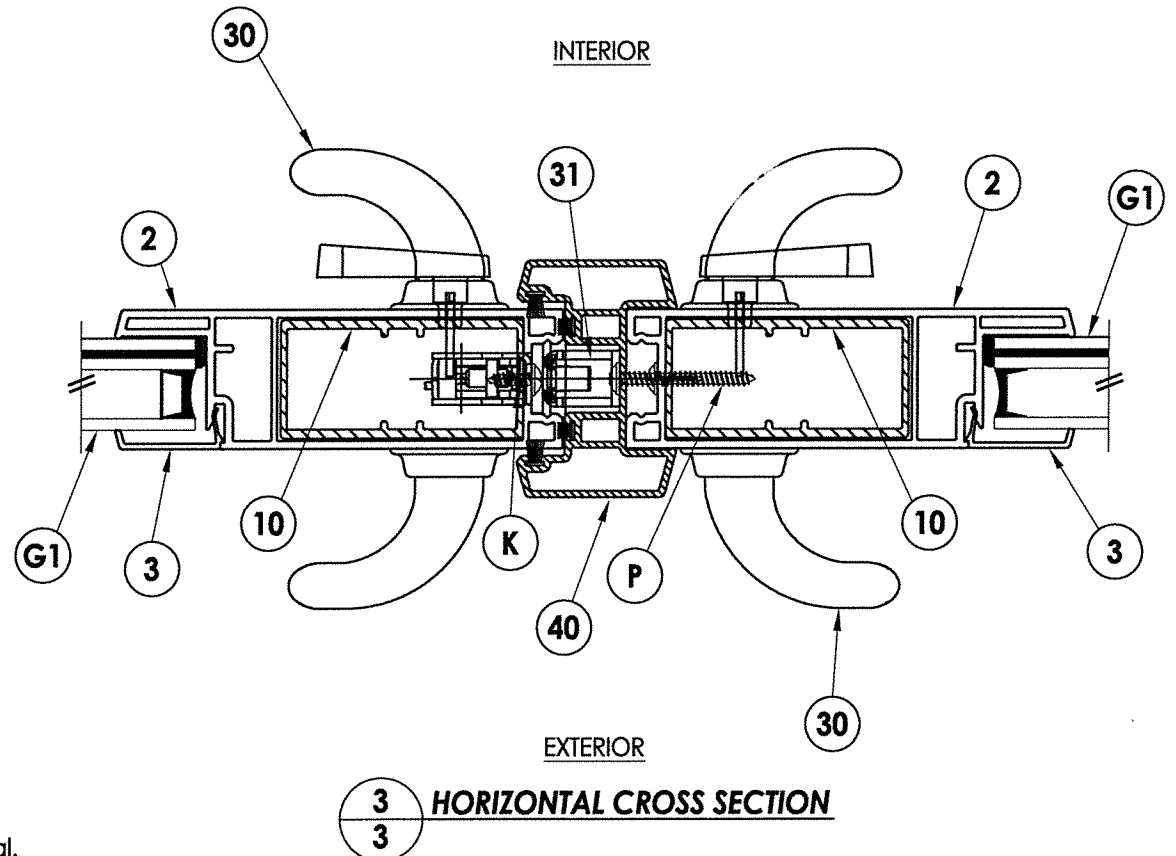
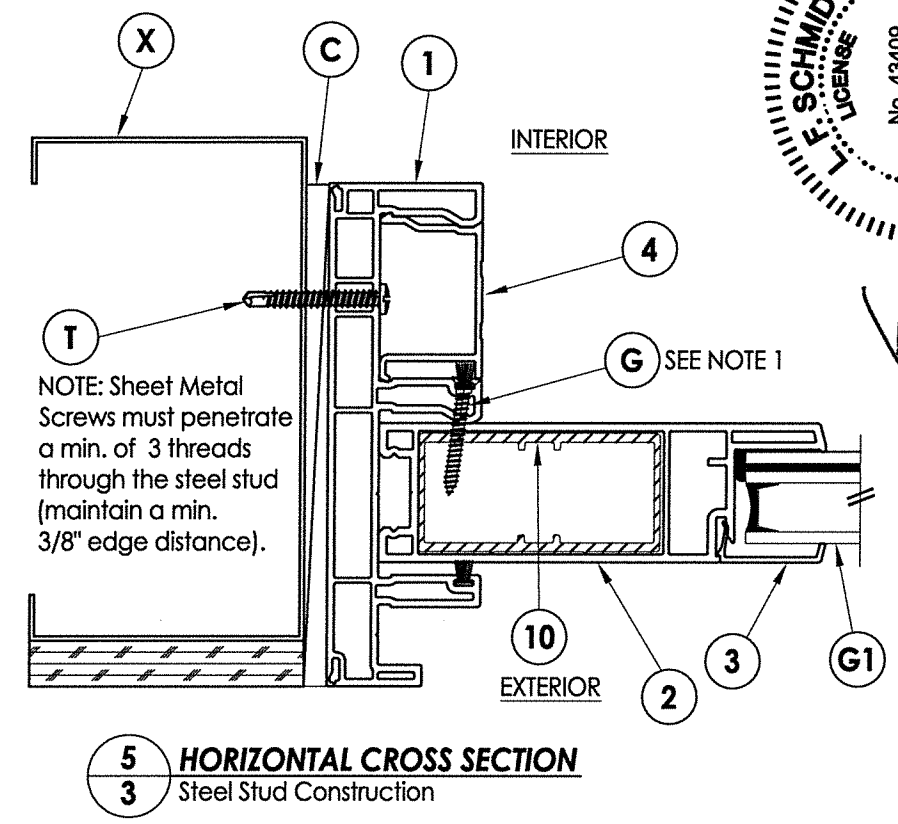
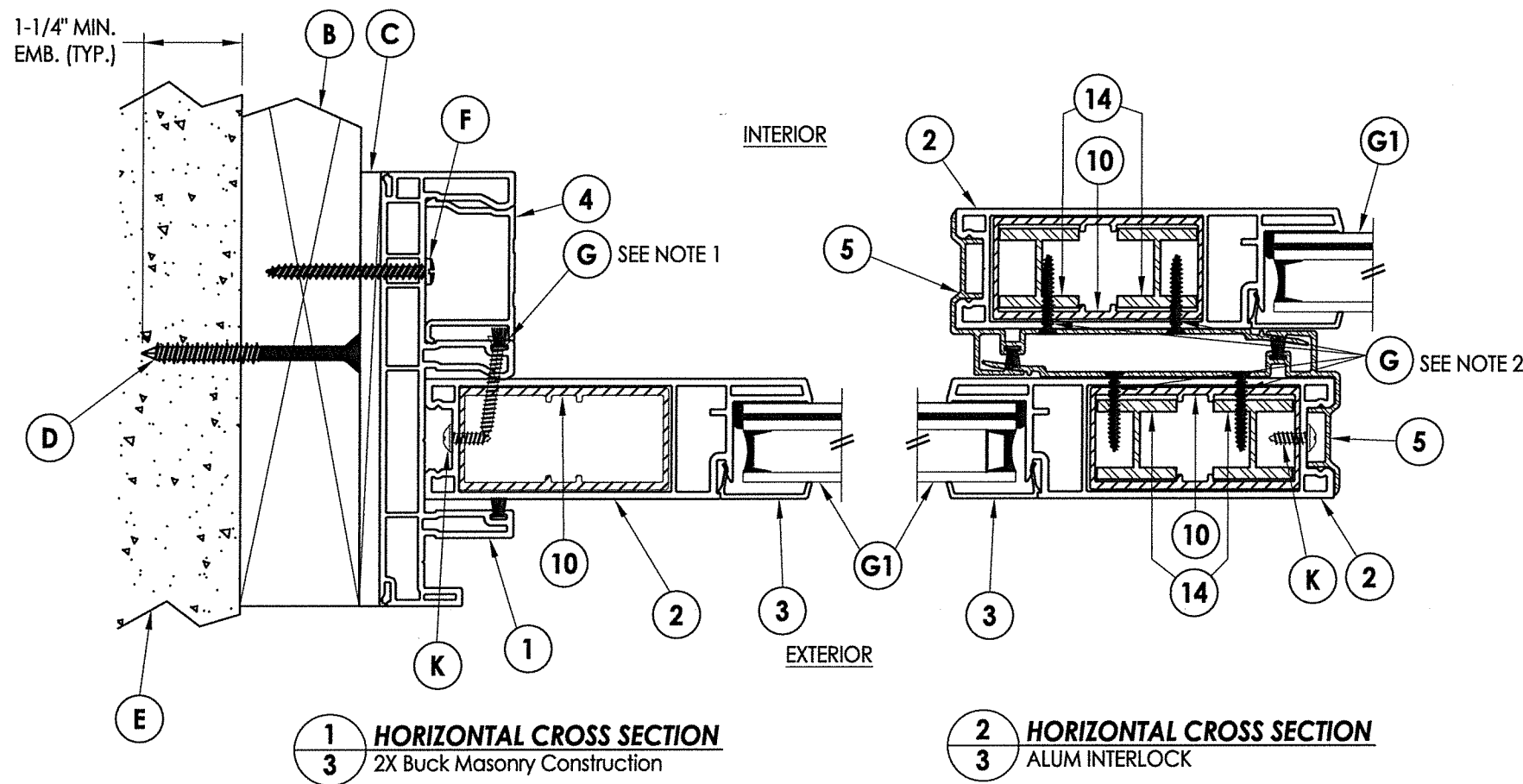
FL SCHMIDT
LICENSE
No. 43409

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

RW

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

\\dc01\rbw\clients\Doers PERMANENT\A - Florida Product Approvals\FL-15450 Exterior Doors - Sliding Patio Doors\C - Drawings\FL-15450 (2020)\FL-15450.10.dwg



NOTE:
1. Item #G located 6" from each end then 6 more equally spaced (8) total.
2. Item #G located 3" from each end then 7 more equally spaced (9) total.

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PROFESSIONAL ENGINEER

07/28/2020
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P.E. No. 43409

DOERS

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

DATE: 01/12/18
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15450.10
SHEET 3 OF 8

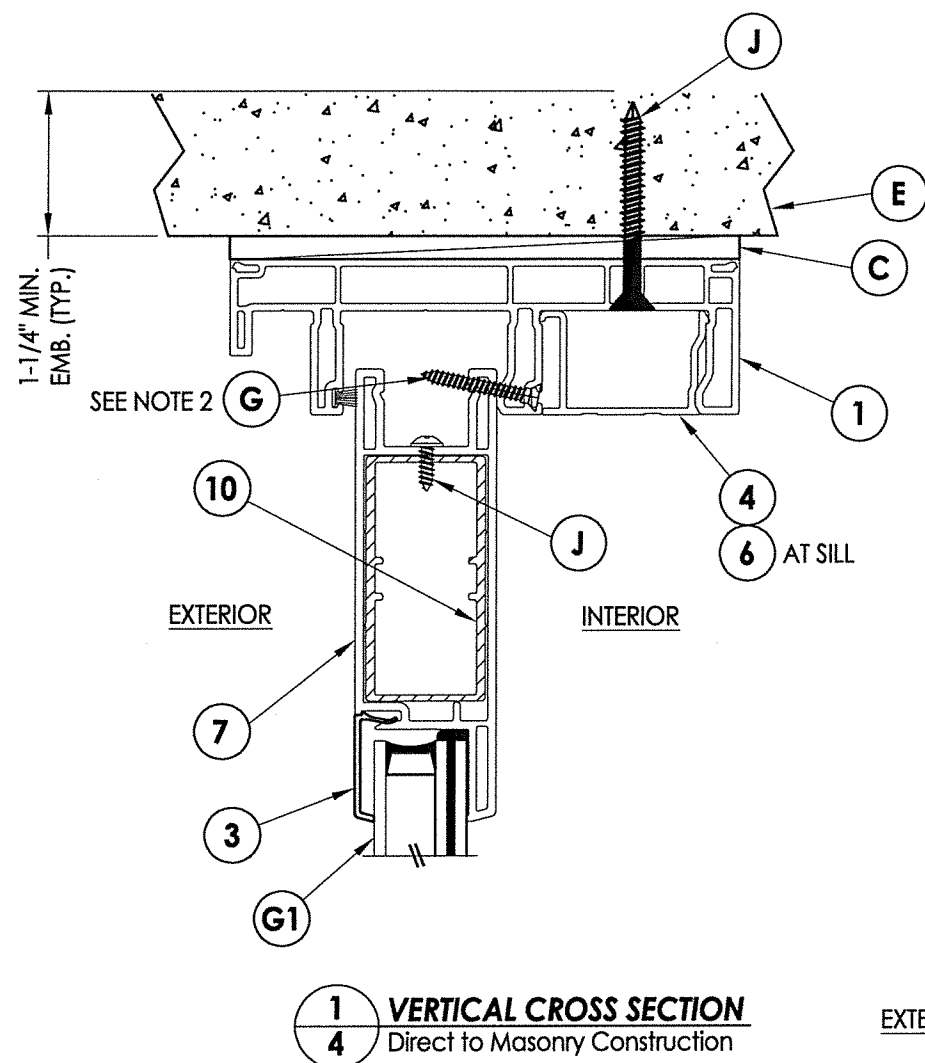
1 7/28/20
NO. DATE
UPDATE TO 7th ED. (2020) FBC
DAC BY

REVISIONS

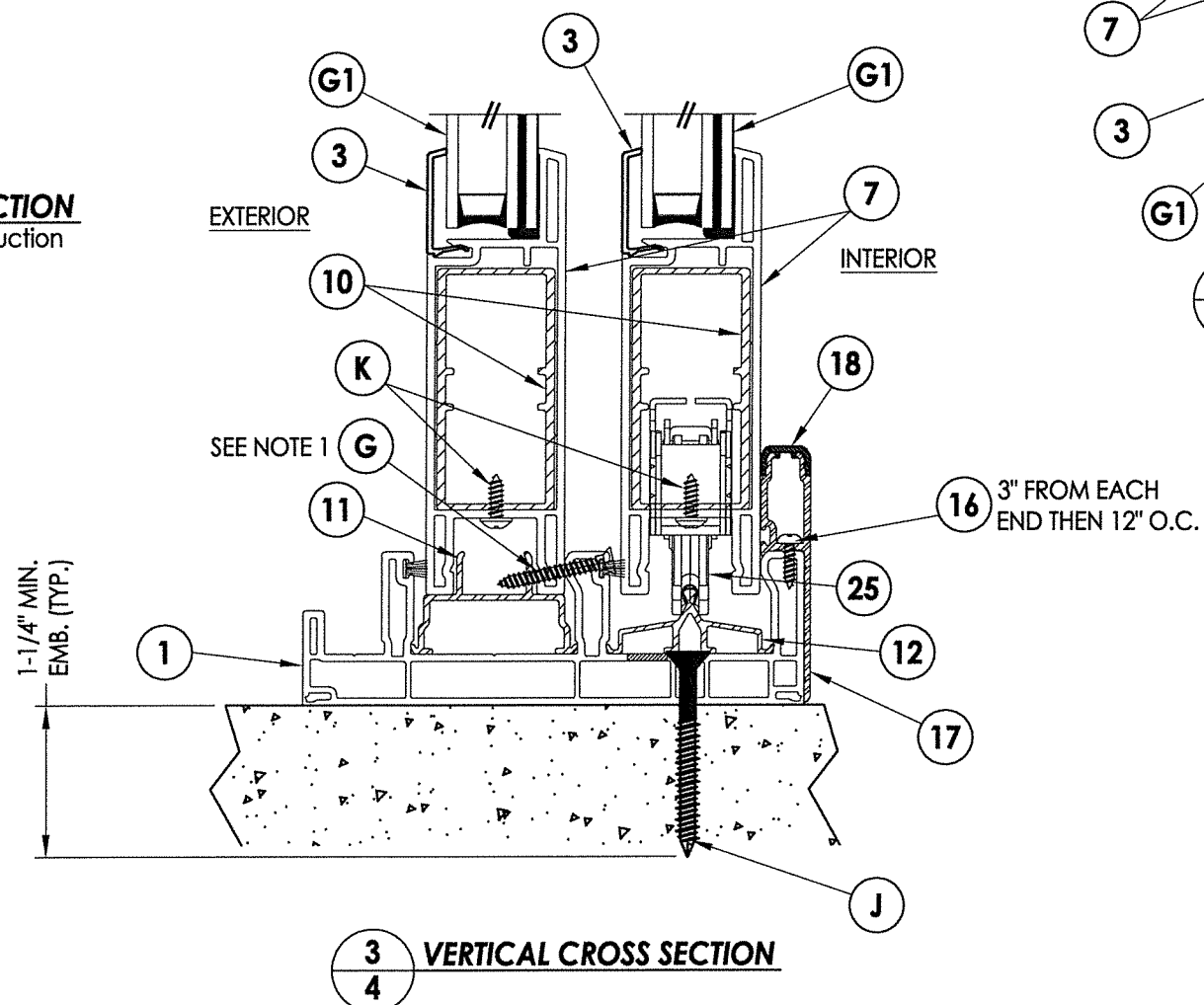
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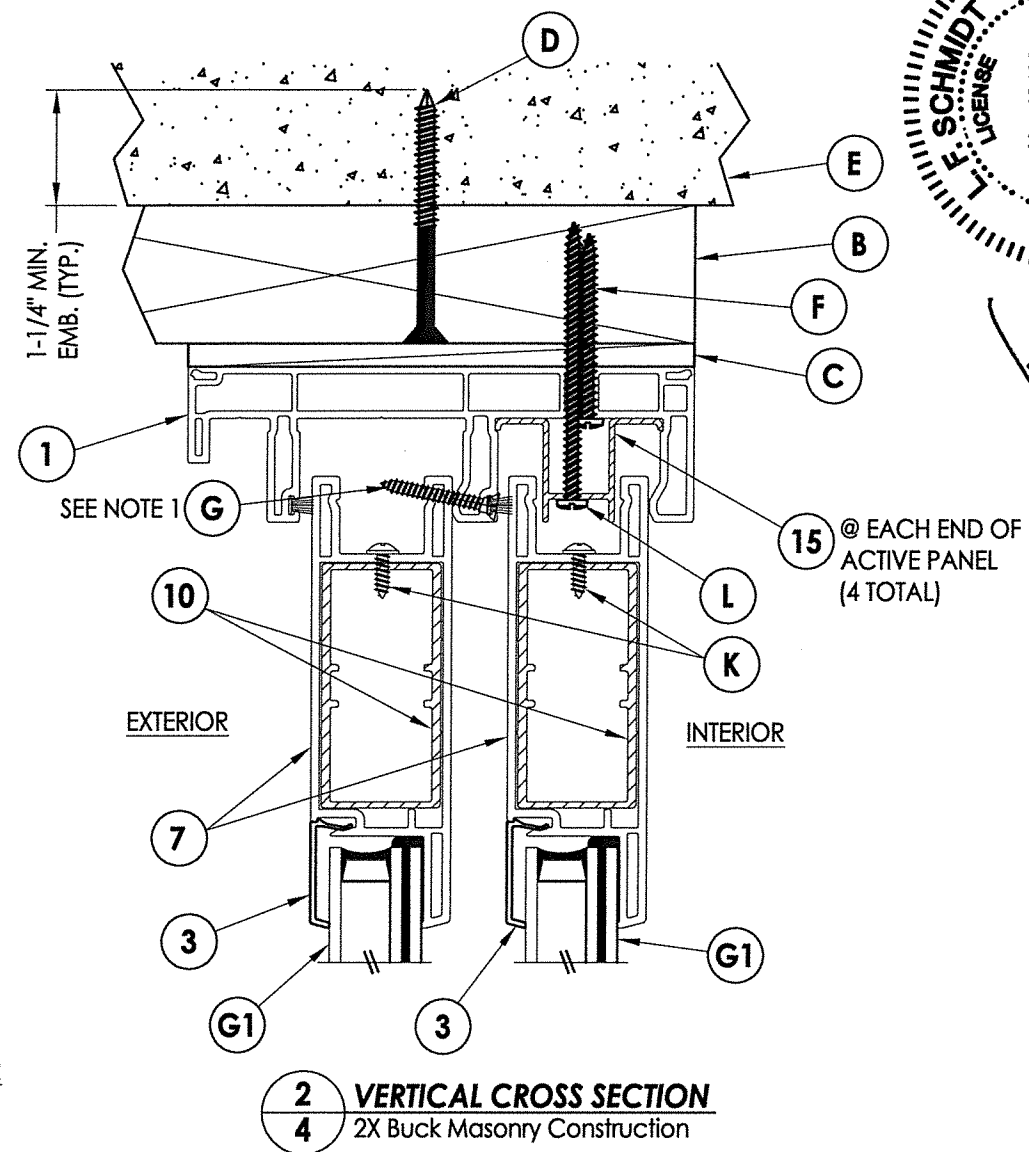
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1 **VERTICAL CROSS SECTION**
4 Direct to Masonry Construction



3 VERTICAL CROSS SECTION

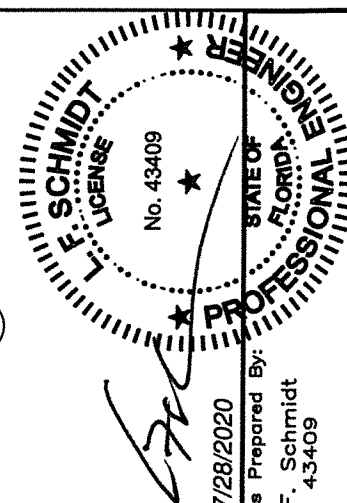


2 VERTICAL CROSS SECTION

4 2X Buck Masonry Construction

NOTE:

1. Fixed panel screw, item G located 3" and 6" from the Jamb then 6", 9" & 12" from the interlock at the head and sill.



07/28/2020

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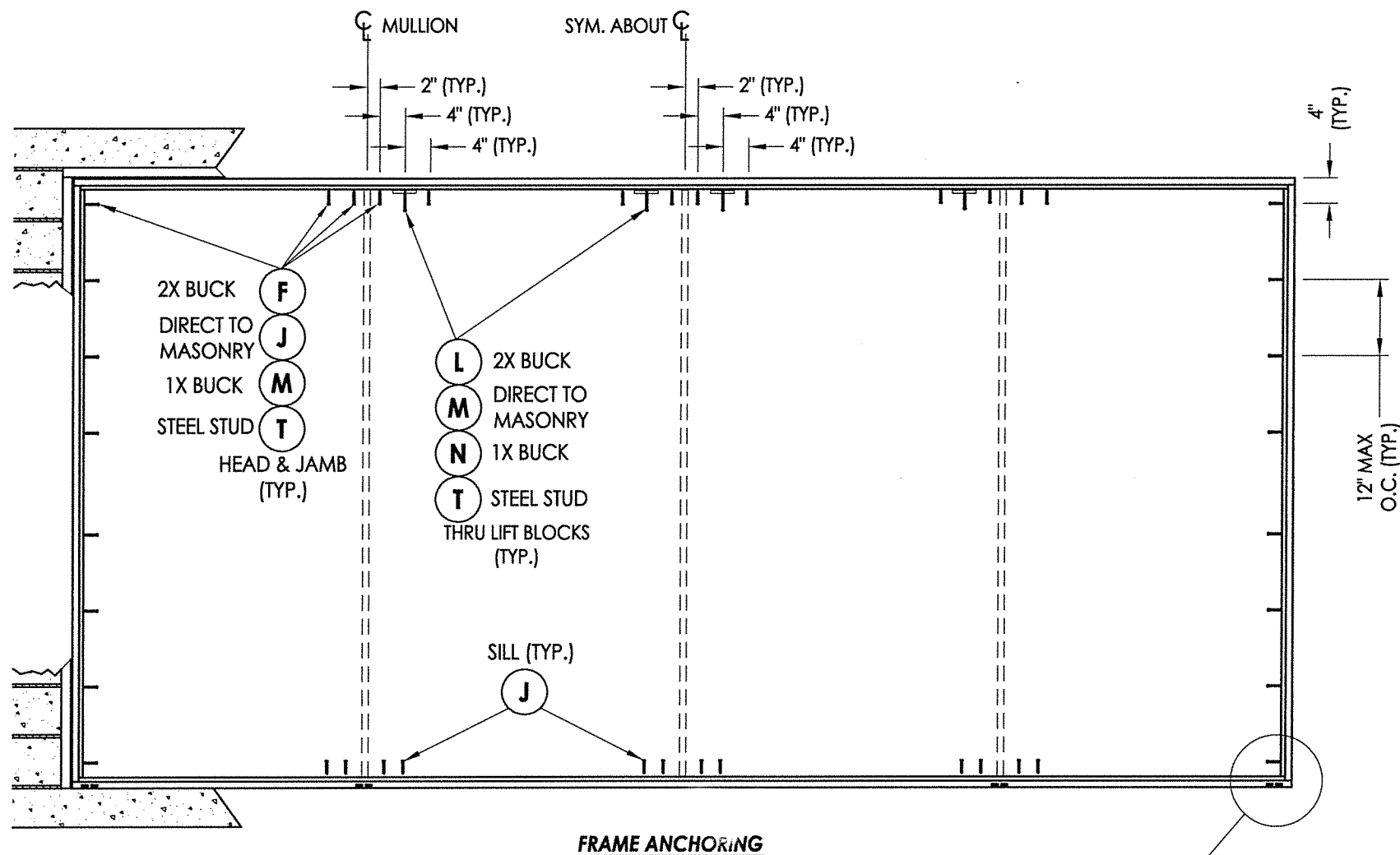
DATE: 01/12/18		PRODUCT: DOERS	
SCALE: N.T.S.		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15450.10			
SHEET 4 OF 8			

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:

2X BUCK ANCHORING

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

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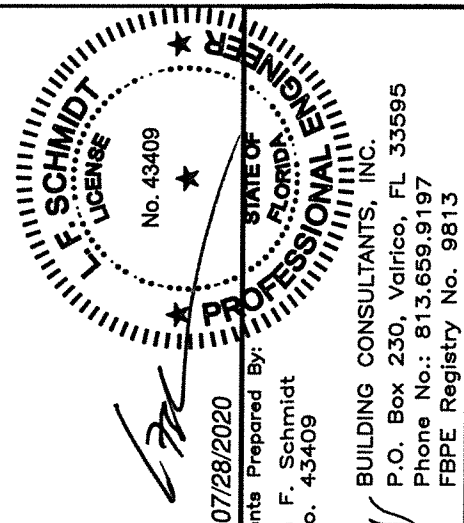
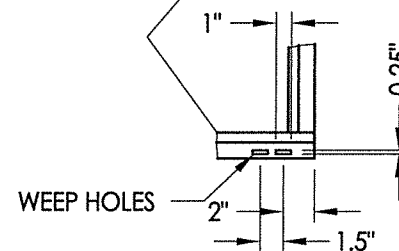
CONCRETE ANCHOR NOTES:

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.



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PRODUCT: **DOERS**

PART OR ASSEMBLY:
FRAME ANCHORING

[illegible]

DATE: 01/12/18

SCALE: N.T.S.

DWG. BY: JK

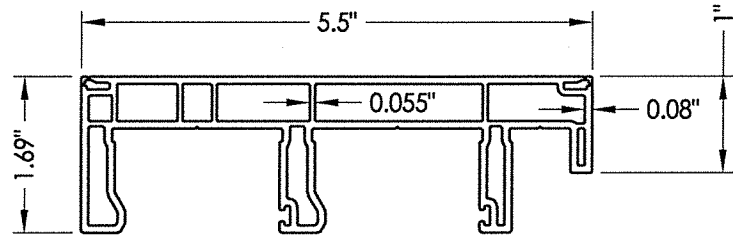
CHK. BY: LFS

DRAWING NO.:

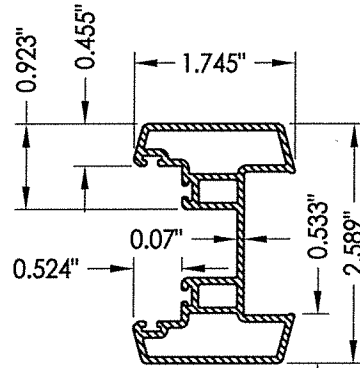
FL-15450.10

SHEET 6 OF 8

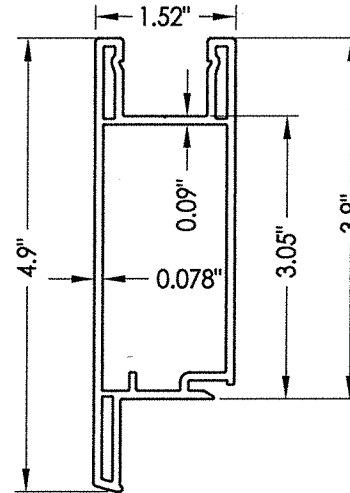
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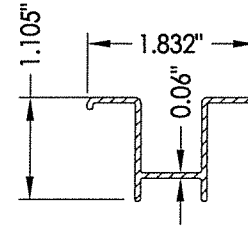
1 FRAME
8572-356-D60



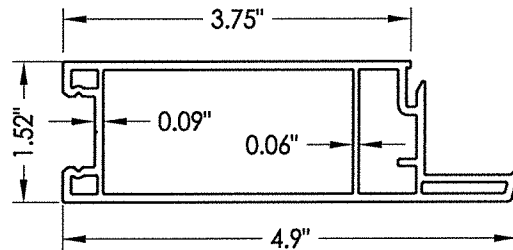
40 ASTRAGAL
356-A60



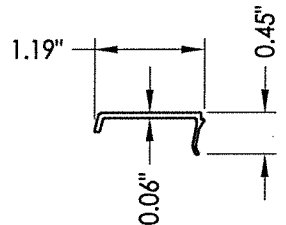
7 TOP AND BOTTOM RAIL
8568-356-D55



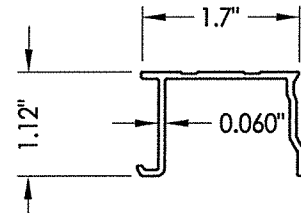
15 ANTI-LIFT-OUT BLOCKS



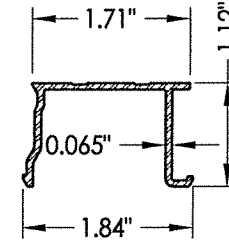
2 STILE
8567-356-D54



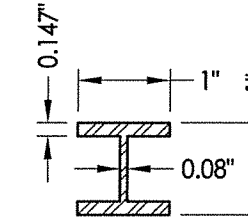
3 GLAZING BEAD
8570-356-D57



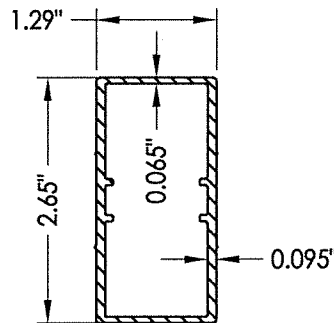
4 FRAME CAP
8571-356-D58



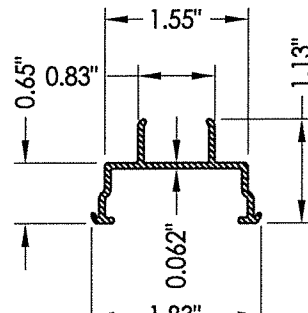
6 SILL CAP
356-A51-52-COV



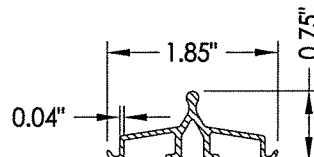
14 REINFORCEMENT



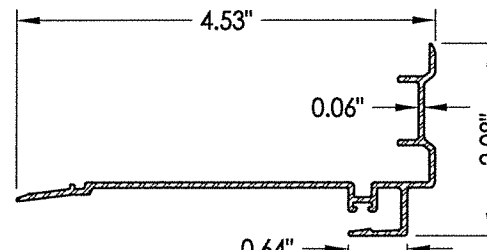
10 REINFORCEMENT
356-A54-55



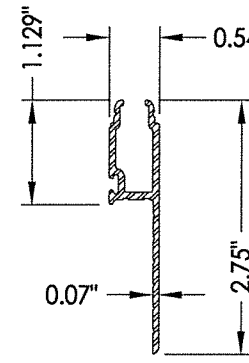
11 FIXED TRACK
356-A65



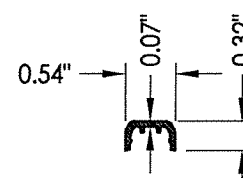
12 ROLLER TRACK
356-A51-52-TRK



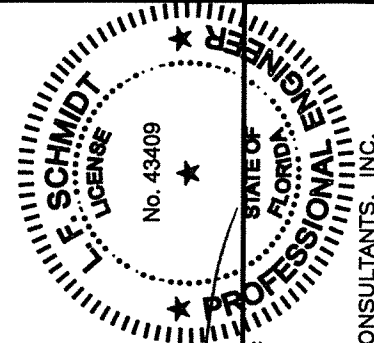
5 INTERLOCK
356-A54



17 SILL RISER



18 DAM CAP
356-A51-A



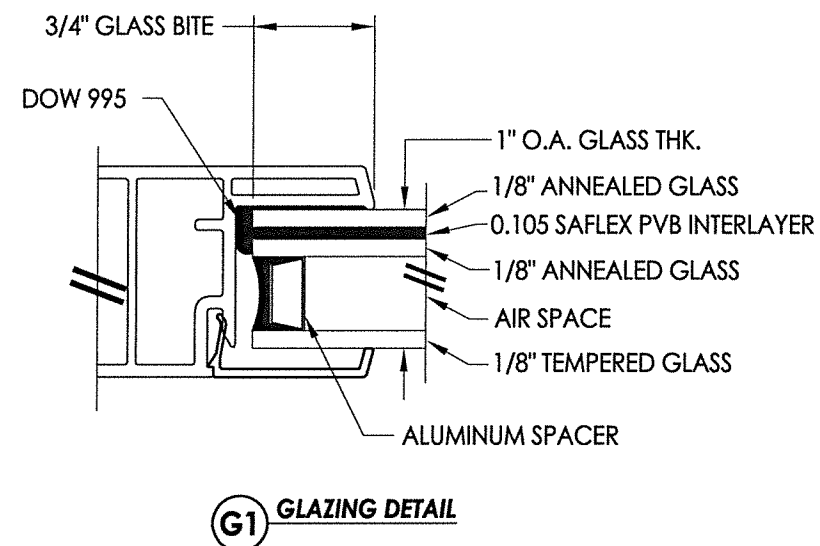
07/28/2020
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FBPE Registry No. 9813

PRODUCT:		DOERS	
PART OR ASSEMBLY:		COMPONENTS	
NO.	DATE	BY	REVISIONS
1	7/28/20	DAC	UPDATE TO 7th ED. (2020) FBC
DATE: 01/12/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15450.10			
SHEET 7 OF 8			

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
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
P	#8 X 1-1/2" 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 (6063-T5 ALUM)	ALUM
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
14	REINFORCEMENT (6065-T5 ALUM)	ALUM
15	ANTI-LIFT-OUT BLOCKS (6063-T5 ALUM)	ALUM
16	#6 X 1/2" PFH SMS	STEEL
17	SILL RISER (6063-T5 ALUM)	ALUM
18	DAM CAP (6063-T5 ALUM)	ALUM
25	ROLLER ASSM.	STEEL
30	LOCK AND HANDLE	-
31	STRIKE PLATE	-
40	ASTRAGAL (6063-T5 ALUM)	ALUM

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



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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:		BILL OF MATERIALS AND GLAZING DETAIL	
DATE: 01/12/18		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.:		FL-15450.10	
SHEET 8 OF 8		REVISIONS	