

\\dc01\wbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15450 Exterior Doors - Sliding Patio Doors\C - Drawings\FL-15450 (2020)\FL-15450.7.dwg



6000 Series Model 6350 Sliding Patio Door

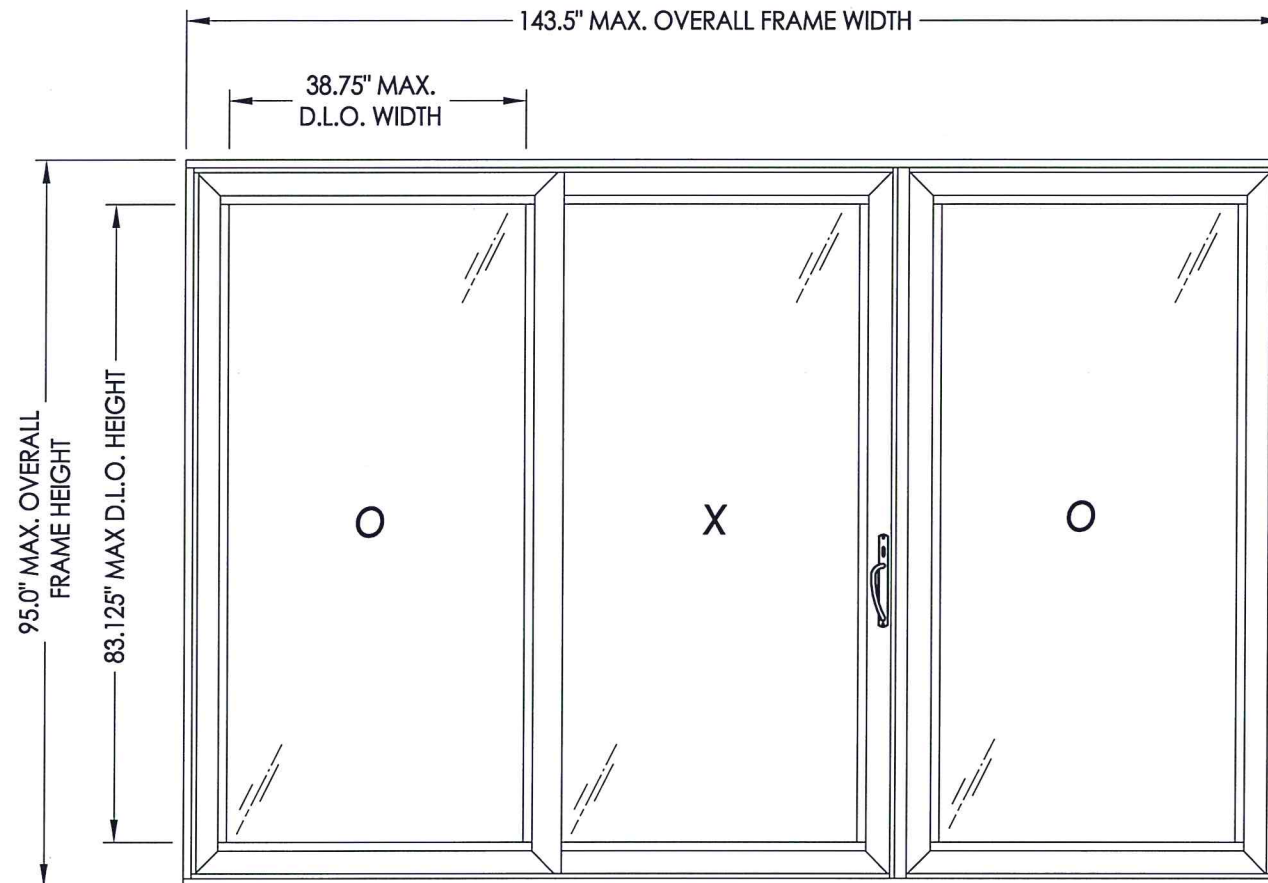
"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) 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. When used in areas outside the "HVHZ" 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.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS

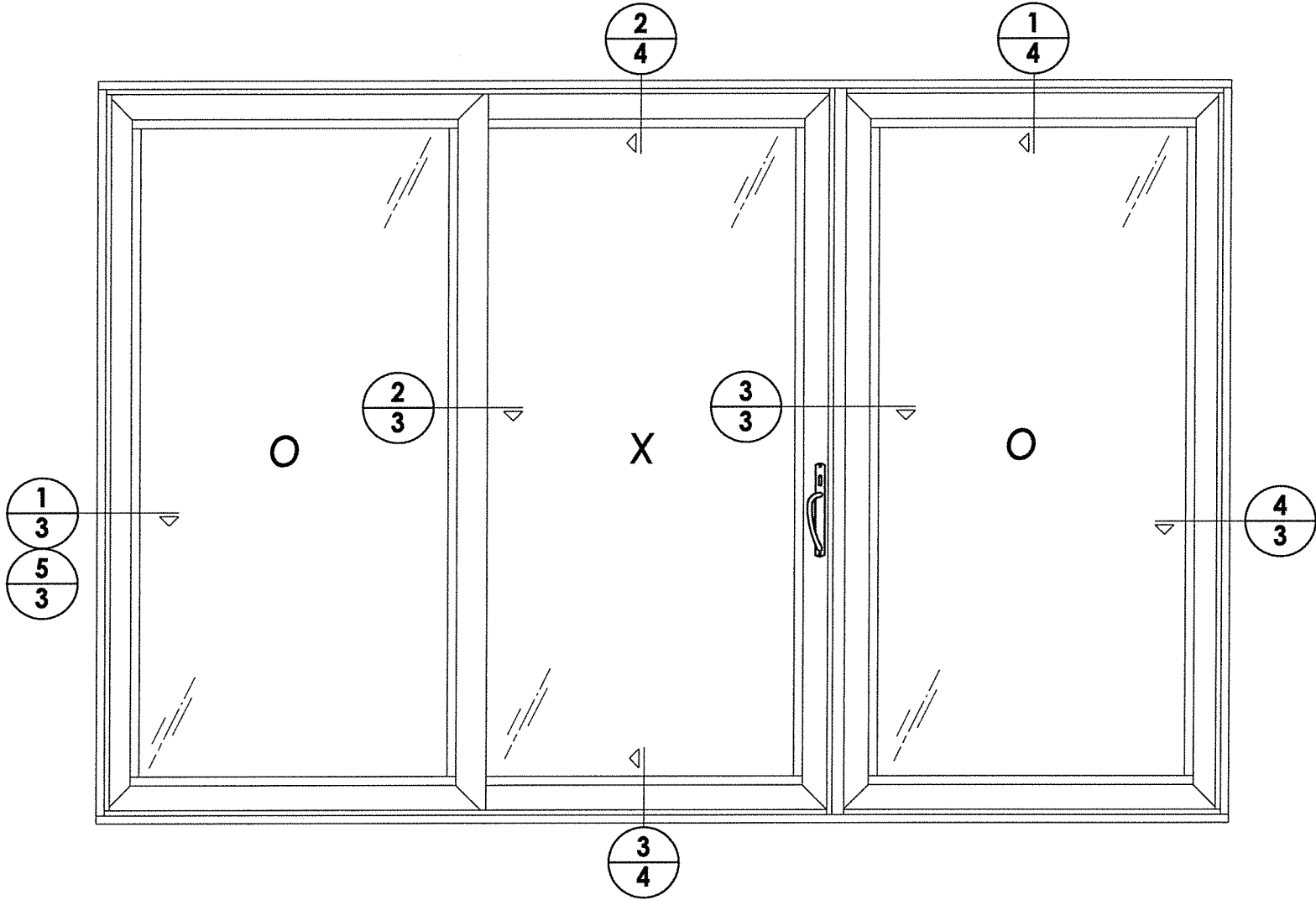
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Elevation
3	Horizontal cross sections
4	Vertical cross sections
5	Buck anchoring
6	Frame anchoring
7	Components
8	Bill of materials and glazing detail



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"	ALUM	G1	+30.0	-55.0
143.5" X 95.0"	38.75" X 83.125"	ALUM	G1	+55.0*	-55.0

*Requires sill riser

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: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
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
NO. DATE	REVISIONS BY
DATE: 10/10/16	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-15450.7	
SHEET 1 OF 8	



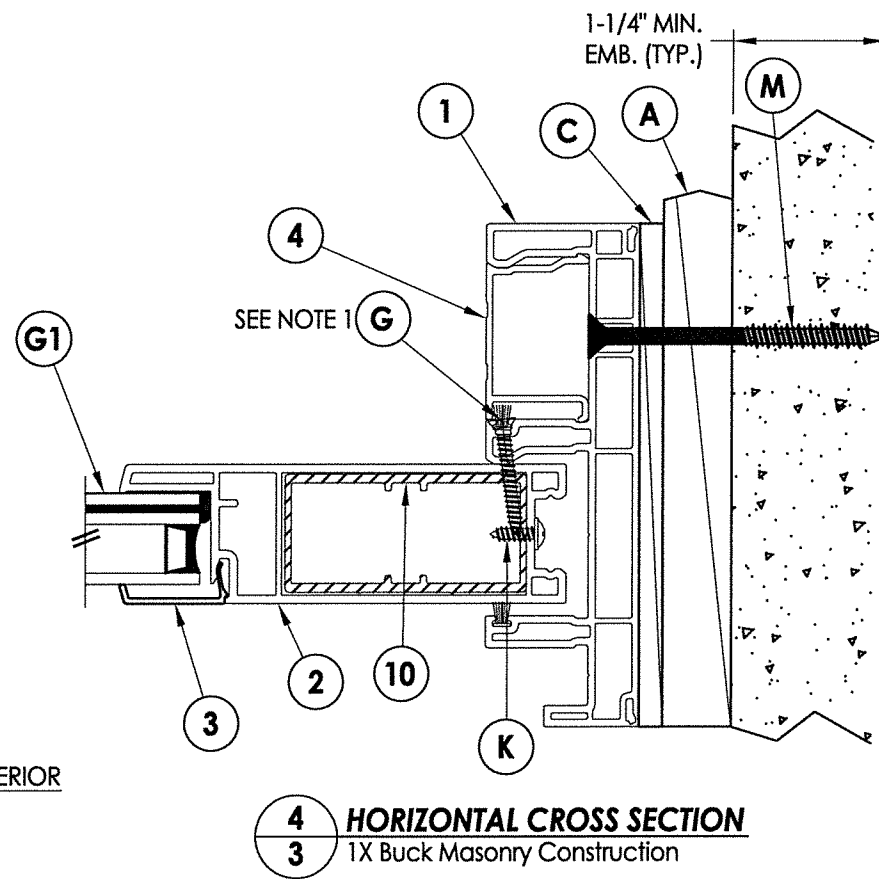
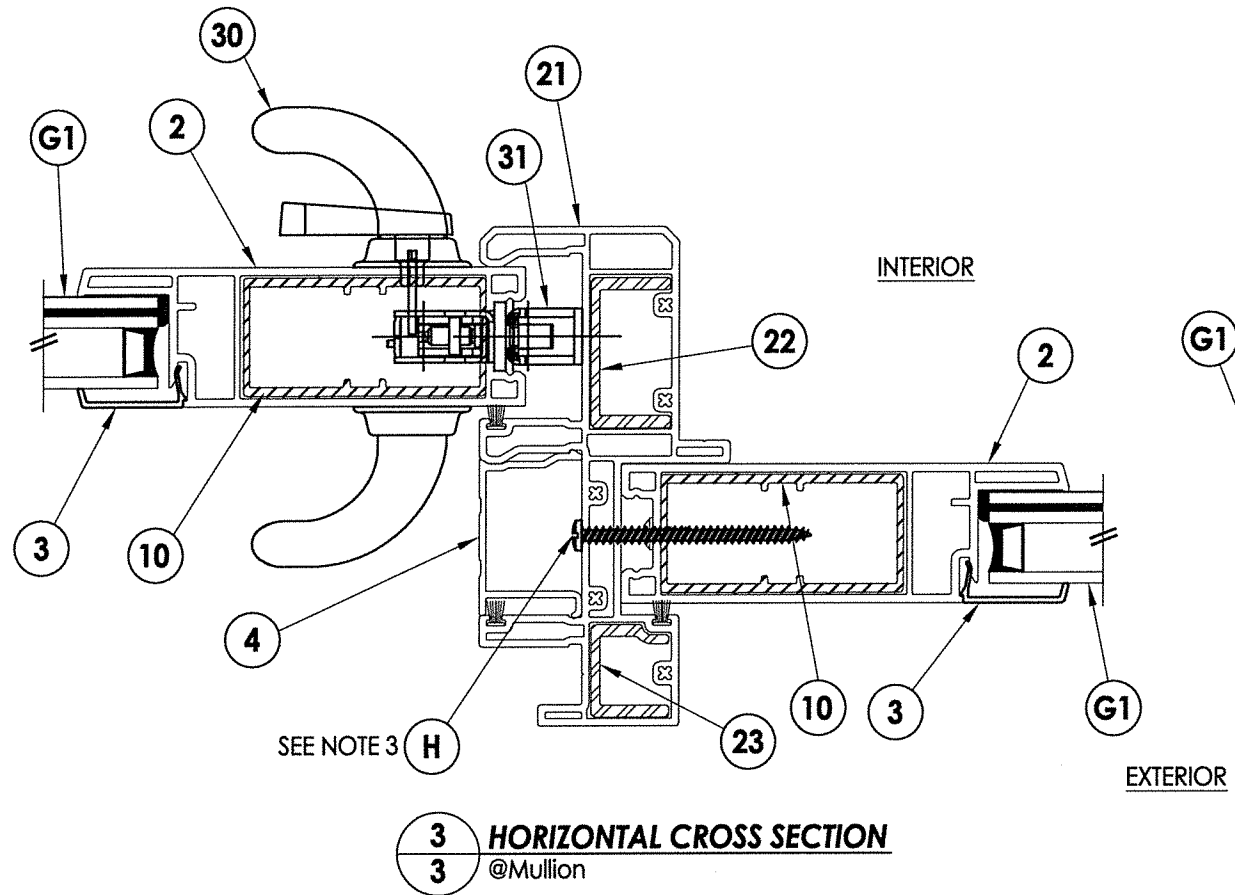
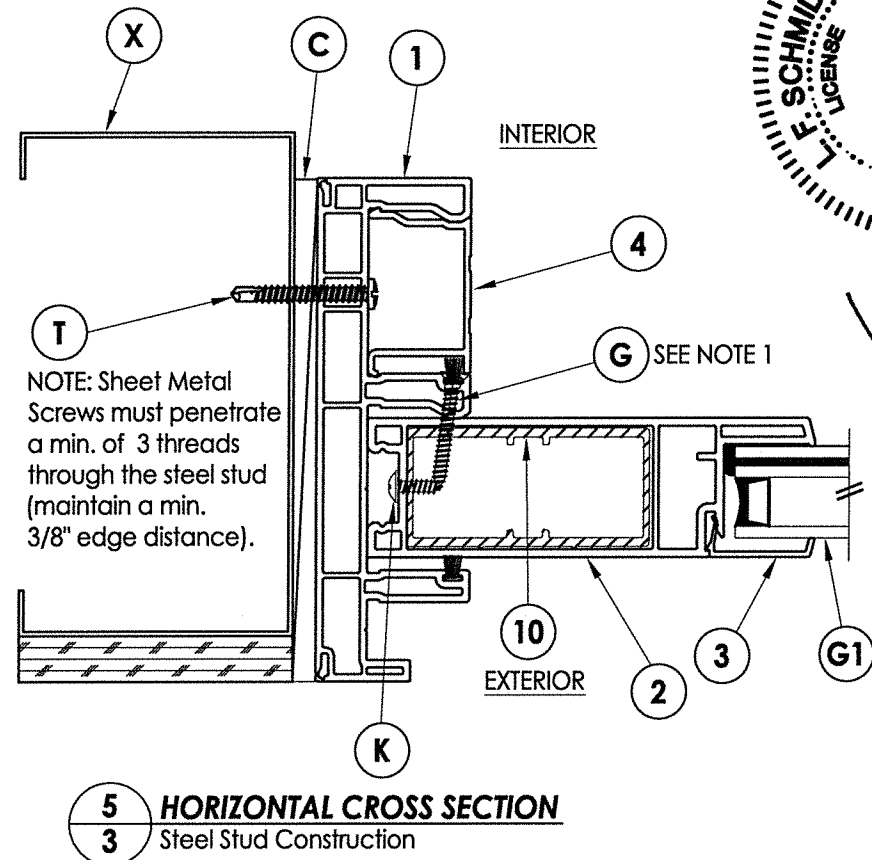
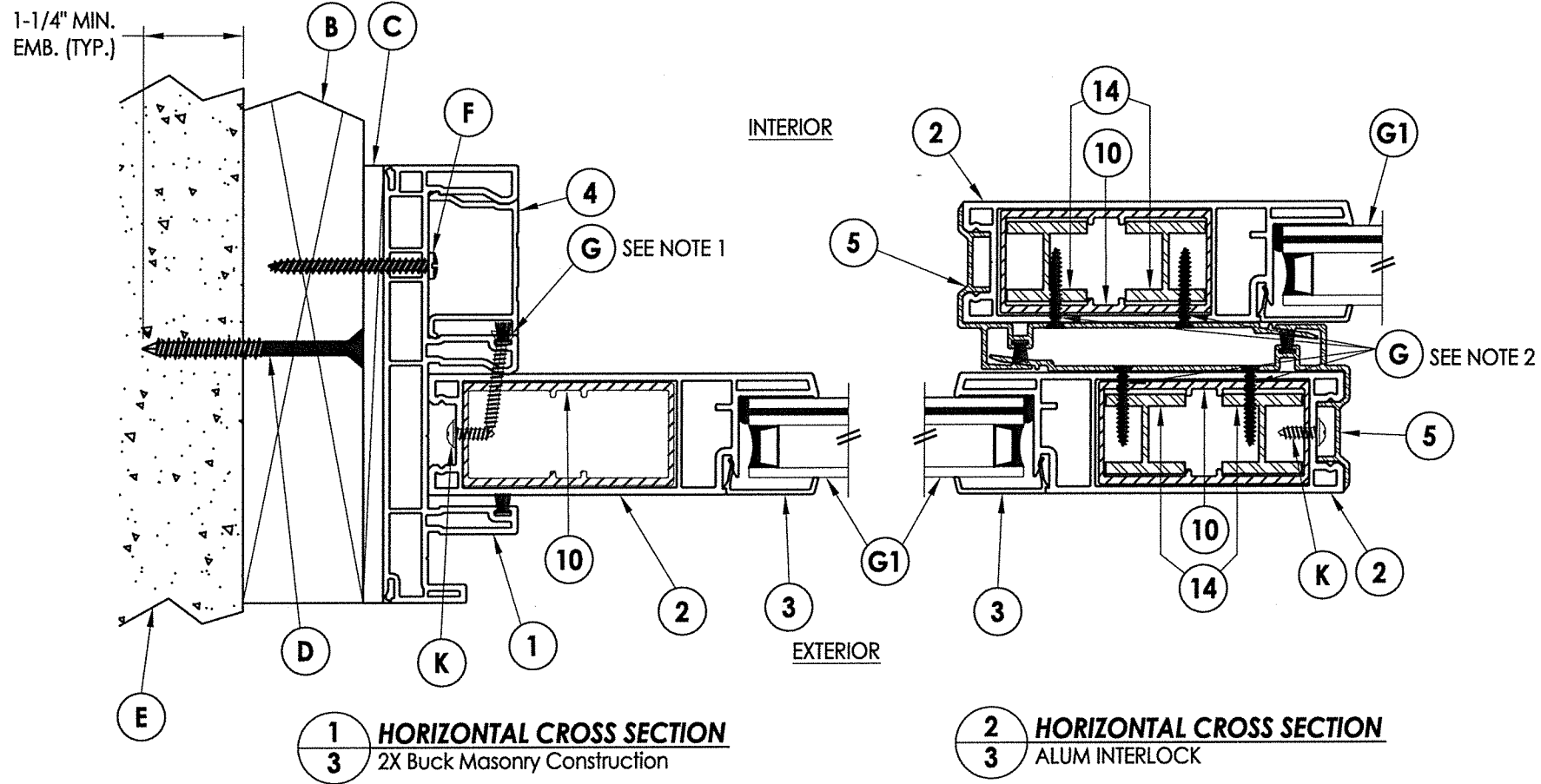
DATE: 10/10/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15450.7
SHEET 2 OF 8

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
NO.	DATE	

PRODUCT:	DOERS
PART OR ASSEMBLY:	ELEVATION

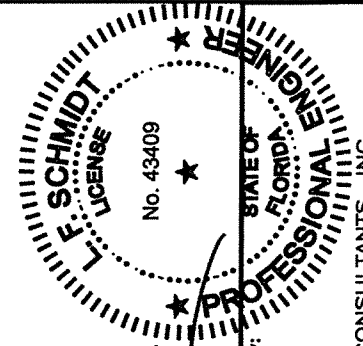
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
07/28/2020
F. SCHMIDT
LICENSE
No. 43409
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PROFESSIONAL ENGINEER
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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NOTE:

1. Item #G located 6" from each end then 4 more equally spaced (6) total.
2. Item #G located 3" from each end then 5 more equally spaced (7) total.
3. Item #H located 6" from each end then 12" on center (7) total.



07/28/2020

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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	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: 10/10/16

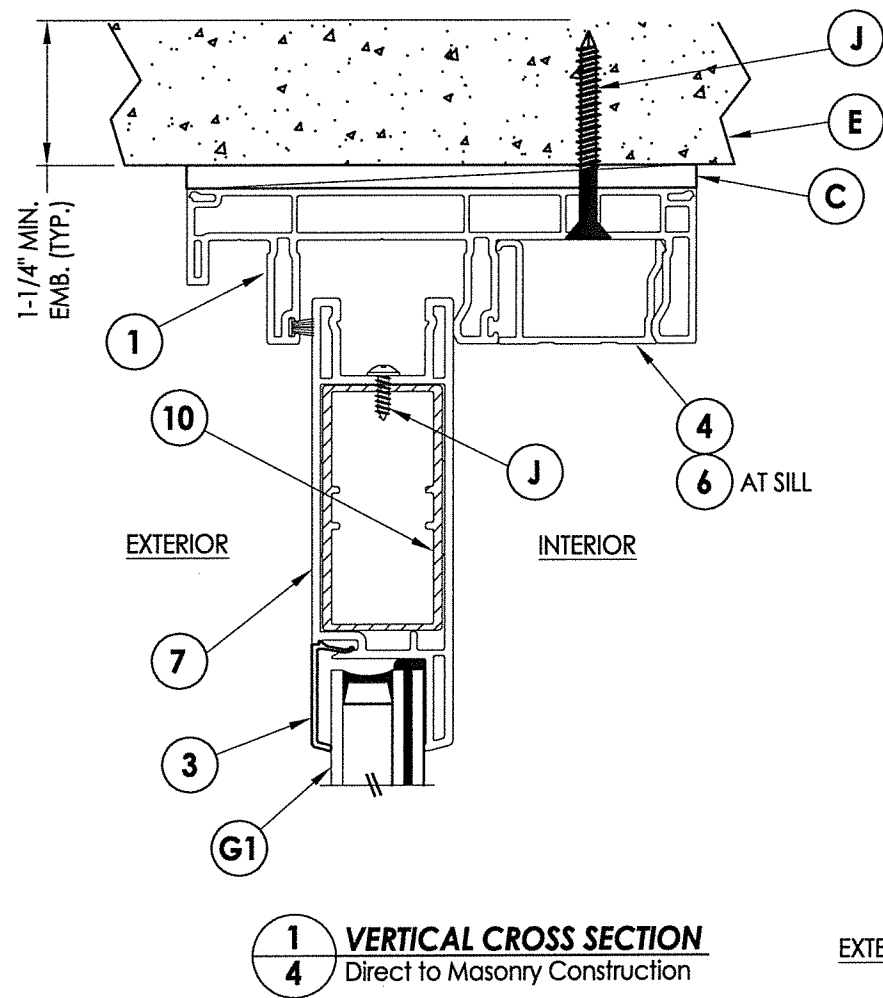
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DWG. BY: JK

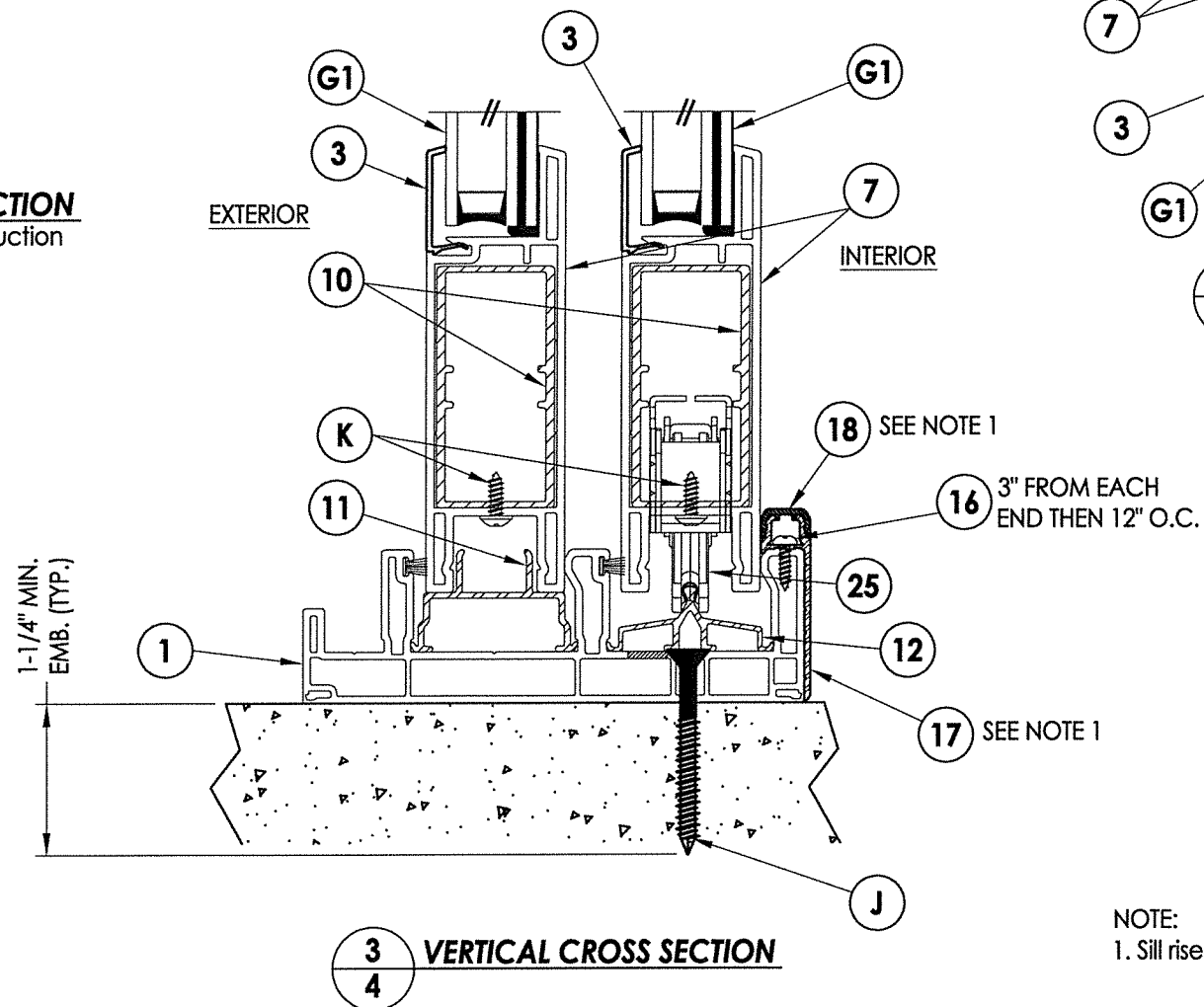
CHK. BY: LFS

DRAWING NO.: FL-15450.7

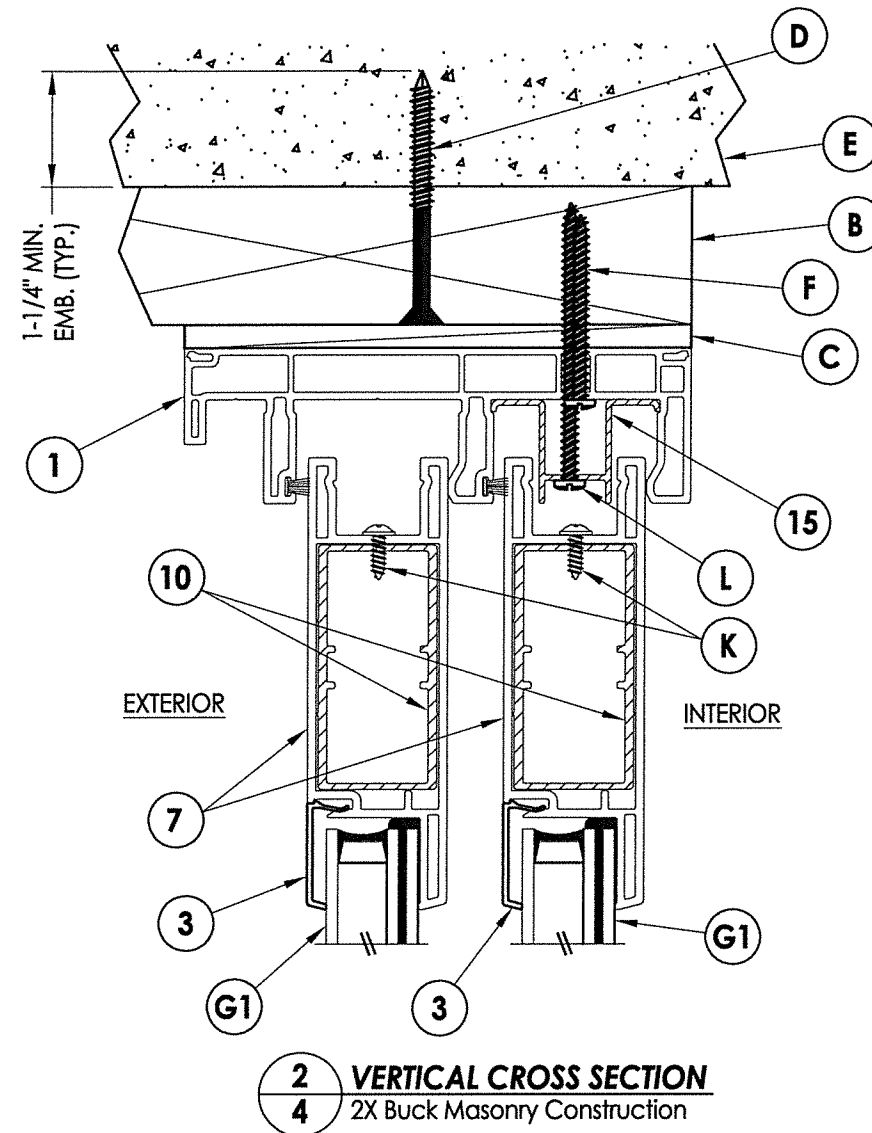
SHEET 3 OF 8



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

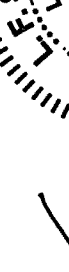


3 VERTICAL CROSS SECTION



2 VERTICAL CROSS SECTION
4 2X Buck Masonry Construction

NOTE:
1. Sill riser (Items #17 & 18) required when positive design pressure > 30 psf.



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STATE OF FLORIDA
PROFESSIONAL ENGINEER

07/28/2020

Documents Prepared By:
Lynndon F. Schmidt
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PRODUCT:

DOERS

PART OR ASSEMBLY:

VERTICAL CROSS SECTIONS

DATE: 10/10/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15450.7

REVISIONS

NO.	DATE	DESCRIPTION
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SHEET 4 **OF** 8

BUILDING CONSULTANTS, INC.
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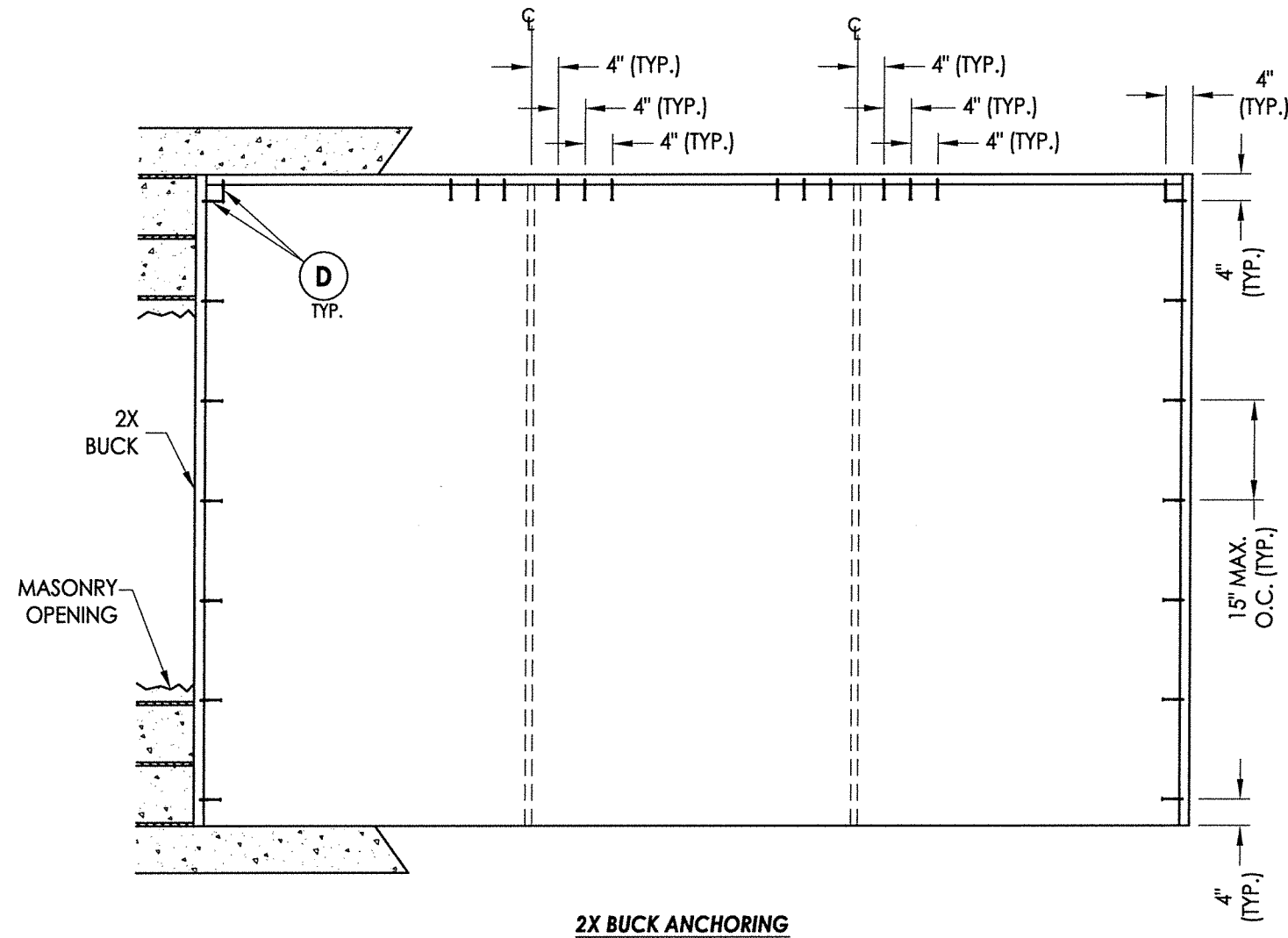
CONCRETE ANCHOR NOTES:

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"

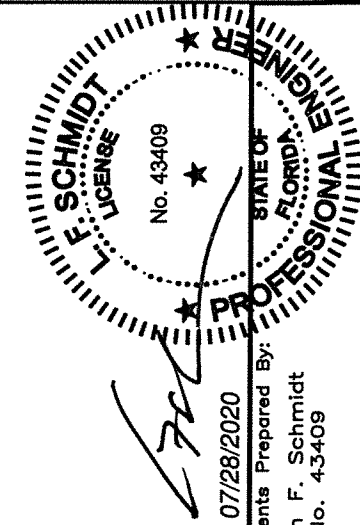
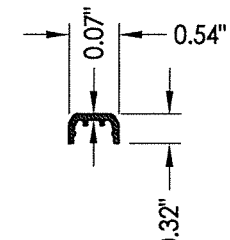
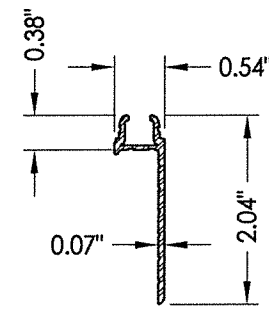
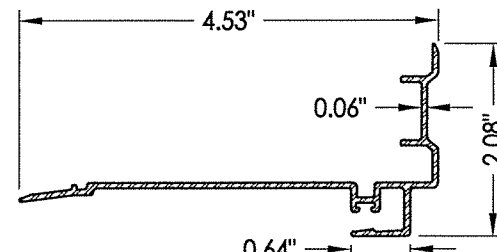
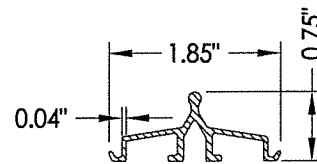
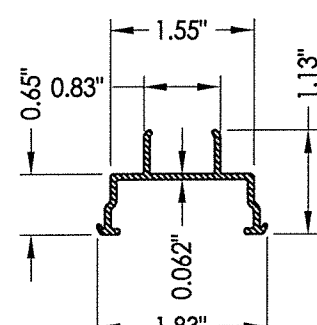
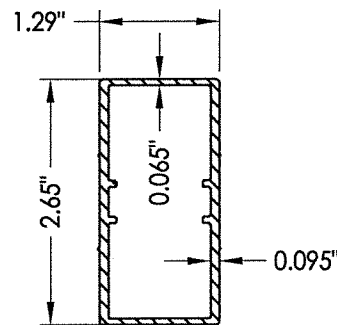
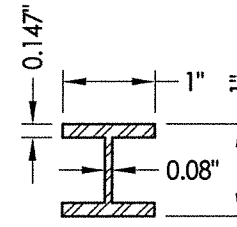
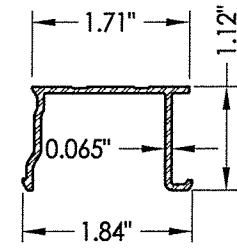
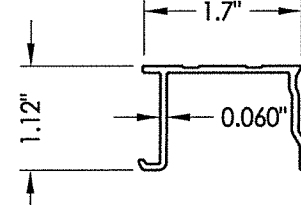
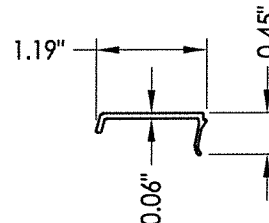
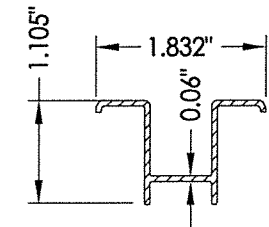
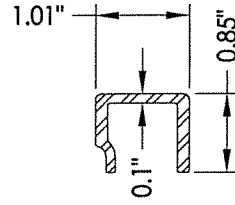
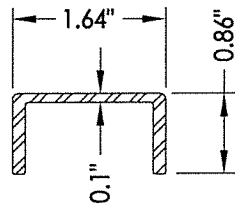
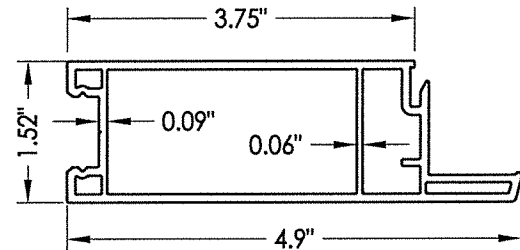
WOOD SCREW INSTALLATION NOTES:

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



		STATE OF FLORIDA PROFESSIONAL ENGINEER	
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PRODUCT: DOERS		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PART OR ASSEMBLY: BUCK AND FRAME ANCHORING		<i>RW</i>	
REVISIONS		NO. DATE	
3 7/28/20 UPDATE TO 7TH ED. (2020) FBC		DAC	
2 01/12/18 ADD STEEL STUD ANCHORING		JK	
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DATE: 10/10/16		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-15450.7		SHEET 5 OF 8	

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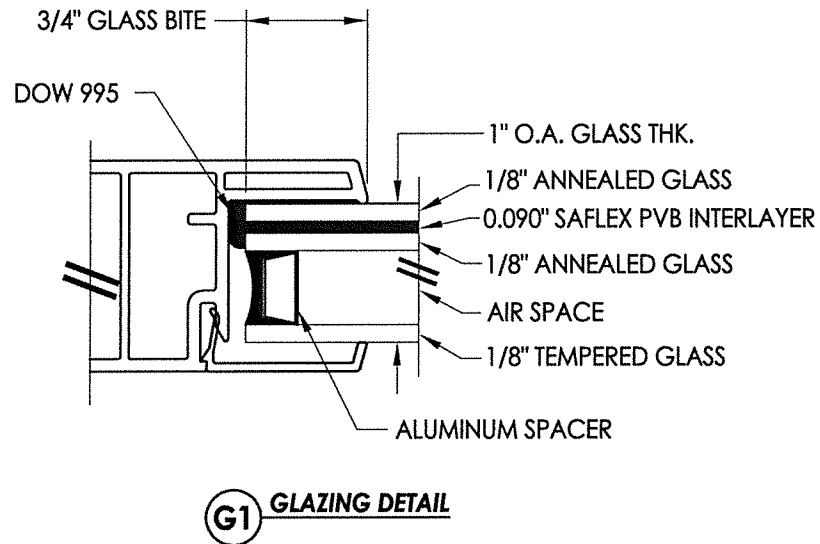


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SCALE: N.T.S.		PART OR ASSEMBLY:	
DWG. BY: JK			
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SHEET 7 OF 8			
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NO.	DATE		BY
		REVISIONS	

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 (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
16	#6 X 1/2" PFH SMS	STEEL
17	SILL RISER (6063-T5 ALUM)	ALUM
18	DAM CAP (6063-T5 ALUM)	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".



NOTE: GLAZING > 36" WIDE REQUIRES TWO (2) SETTING BLOCKS CONFORMING TO FBC SECTION 2411.3.3.1

