

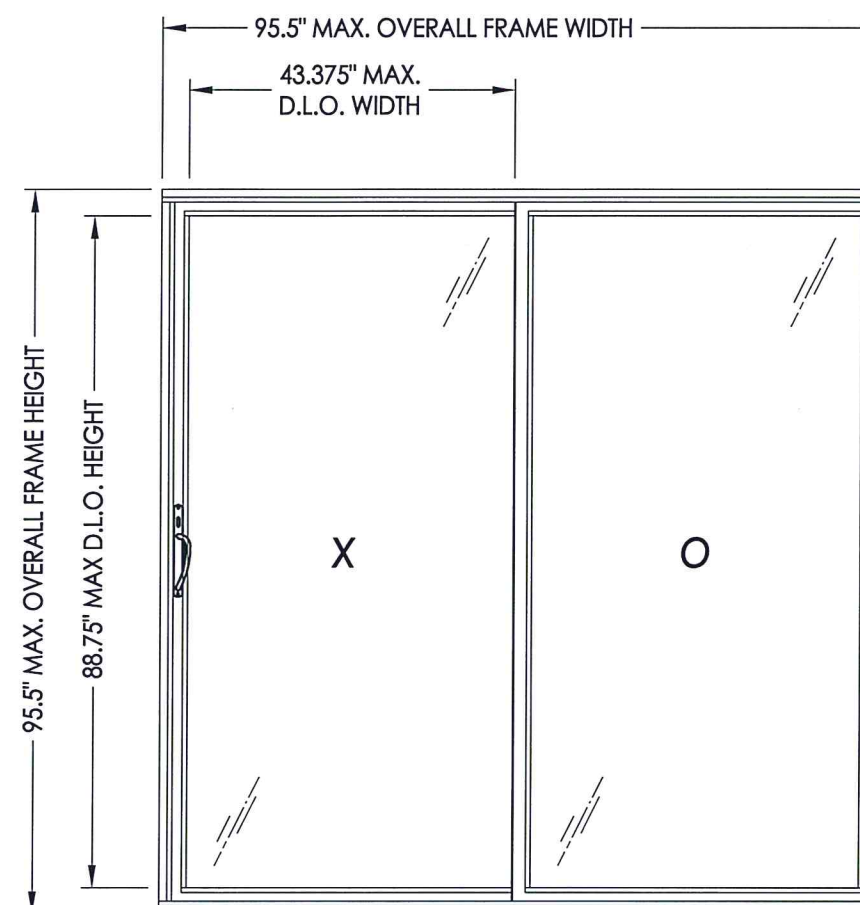


5000 Series Model 5200 Sliding Patio Door "NON-IMPACT"

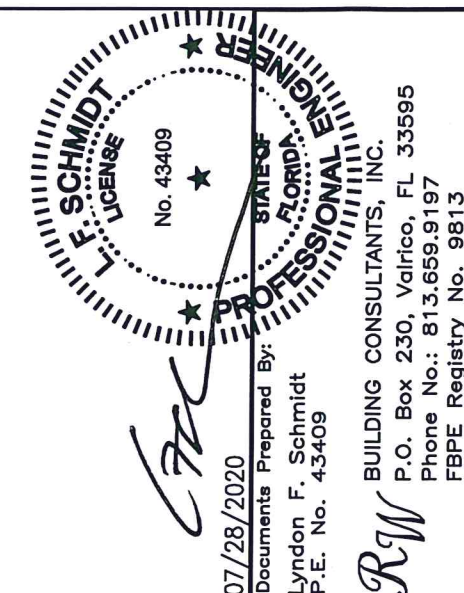
GENERAL NOTES

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.

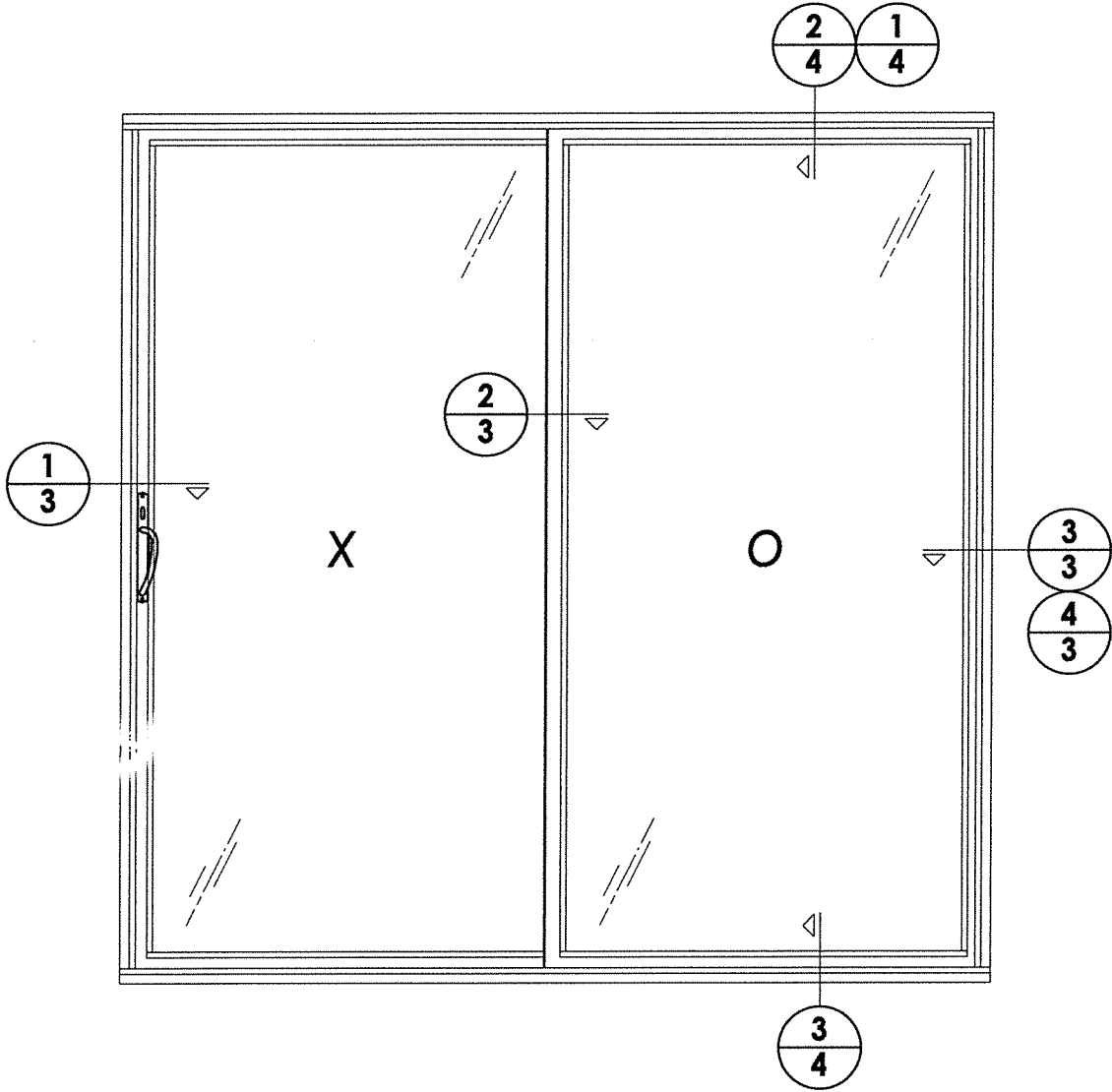
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Elevation
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring
6	Bill of materials, components and glazing detail



MAX FRAME DIMENSION	MAX D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POS.	NEG.
95.5" X 95.5"	43.375" X 88.75"	G1	+30.0	-35.0



DATE: 06/08/18		PRODUCT: DOERS	
SCALE: N.T.S.		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15450.14			
SHEET 1 OF 6			



DATE: 06/08/18
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15450.14
SHEET 2 OF 6

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

PRODUCT:	DOERS
PART OR ASSEMBLY:	ELEVATION

07/28/2020
Documents Prepared By:
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No. 43409
STATE OF FLORIDA
PROFESSIONAL ENGINEER
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



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

4 HORIZONTAL CROSS SECTION

3 Steel Stud Construction



SEE NOTE 2

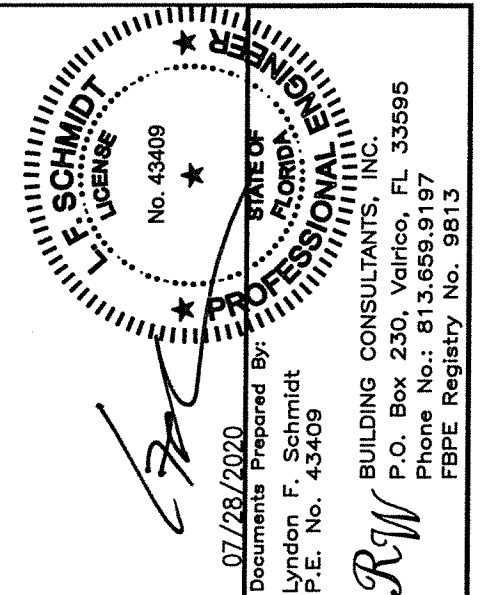
EXTERIOR

2 HORIZONTAL CROSS SECTION
3 INTERLOCK



3 HORIZONTAL CROSS SECTION
3 1X Buck Masonry Construction

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.



07/28/2020

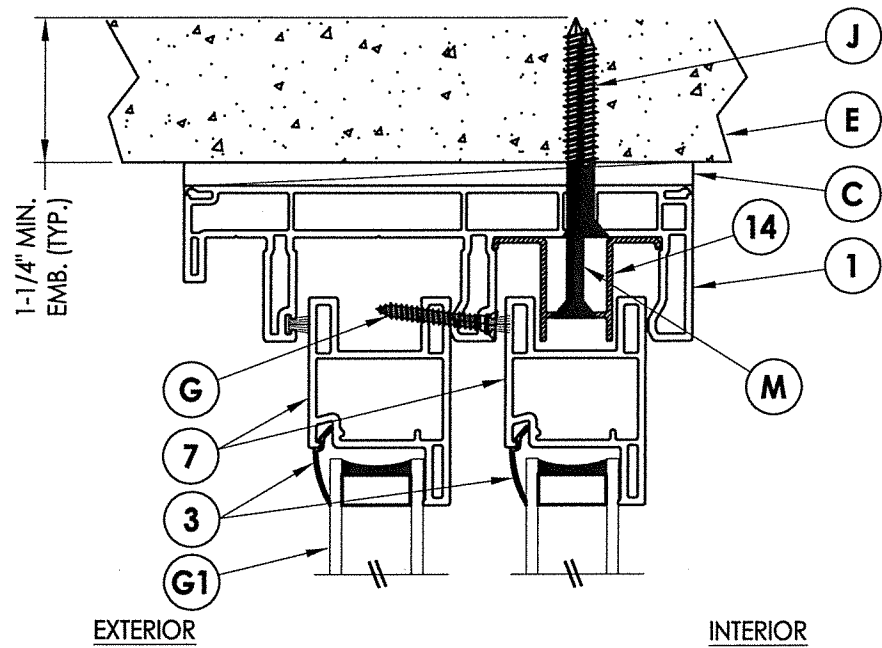
01/20/2020
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RW

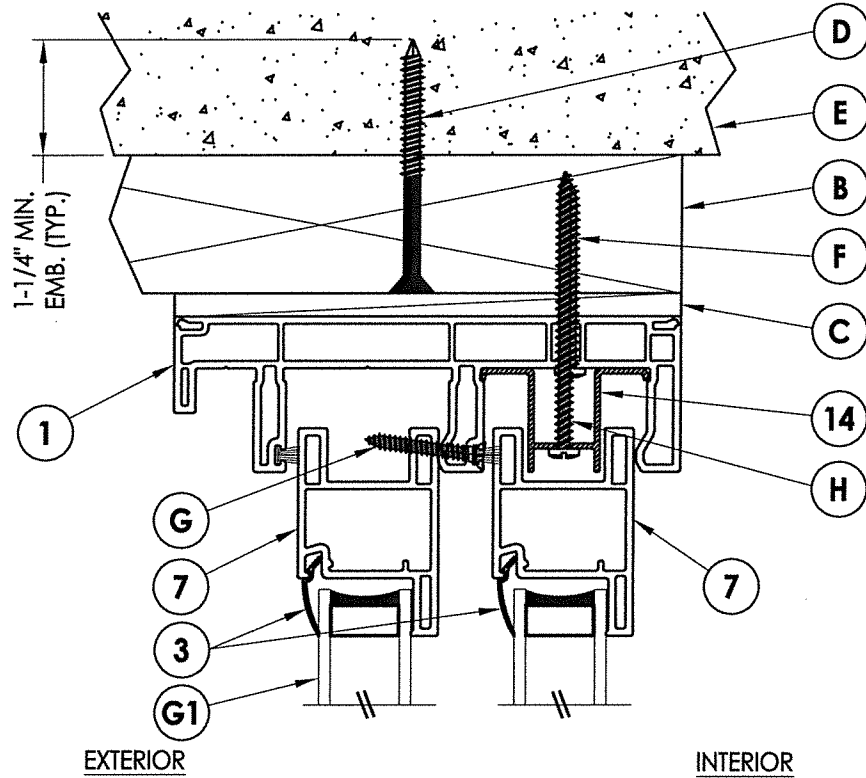
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DATE: 06/08/18		DOERS		PRODUCT:
SCALE: N.T.S.				
DWG. BY: JK		PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS
CHK. BY: LFS				
DRAWING NO.:		REVISIONS		
FL-15450.14				
SHEET 3 OF 6				

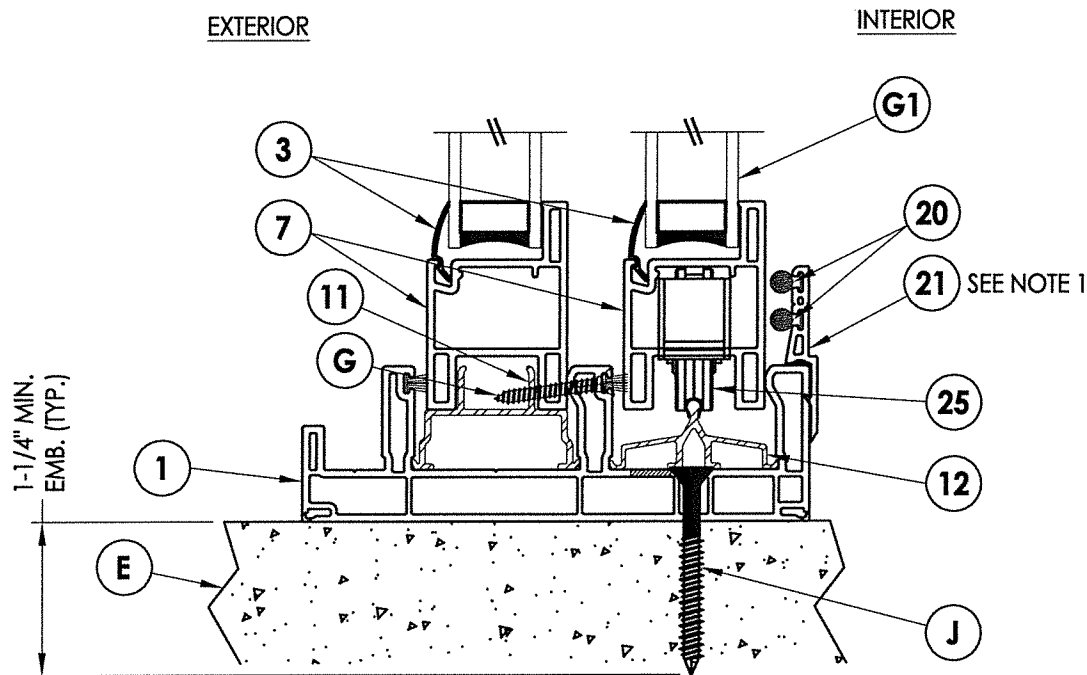
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1 **VERTICAL CROSS SECTION**
4 Direct to Masonry Construction

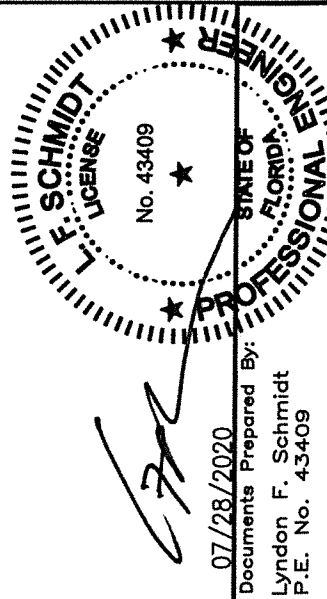


2 **VERTICAL CROSS SECTION**
4 2X Buck Masonry Construction



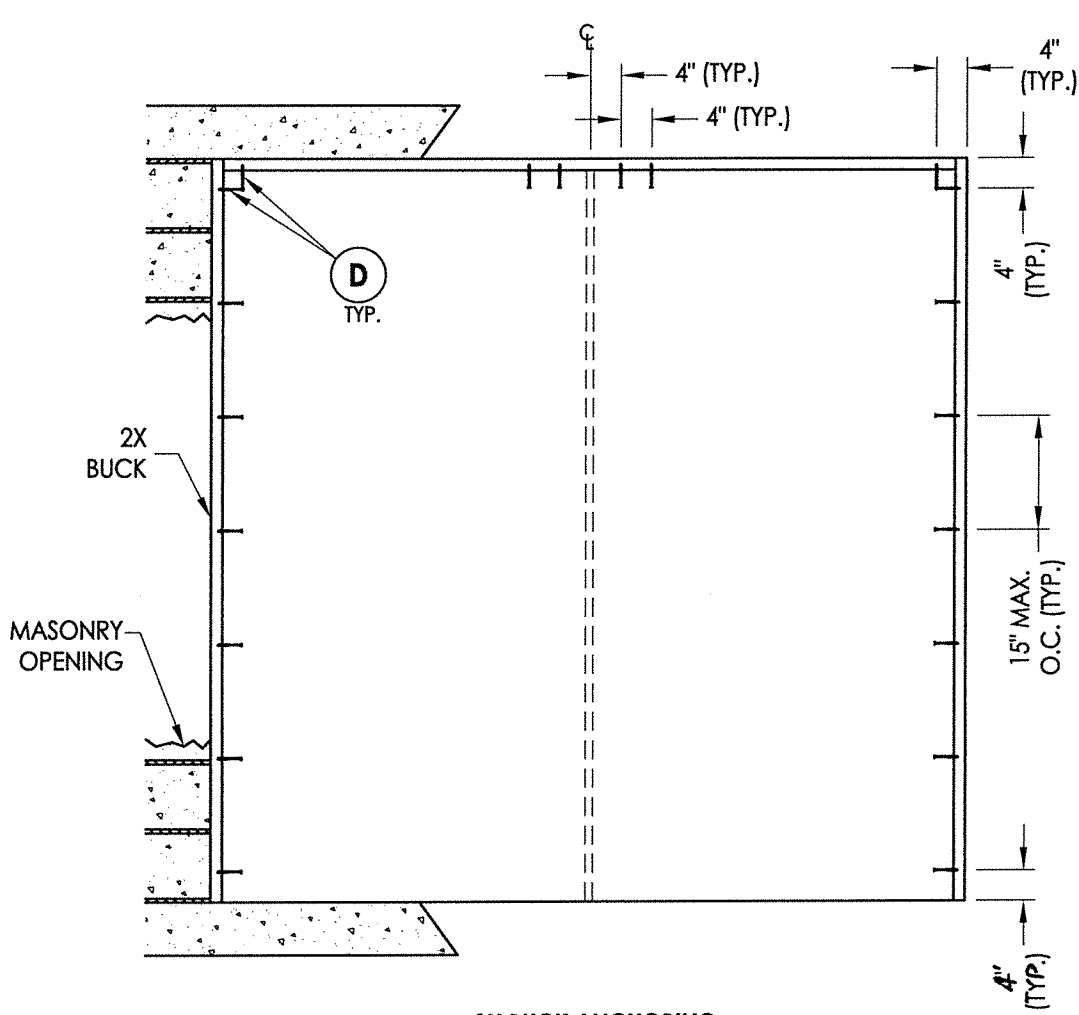
3 **VERTICAL CROSS SECTION**
4

NOTE:
1. High Dam Sill riser (Item #21) required when positive design pressure > 20 psf.

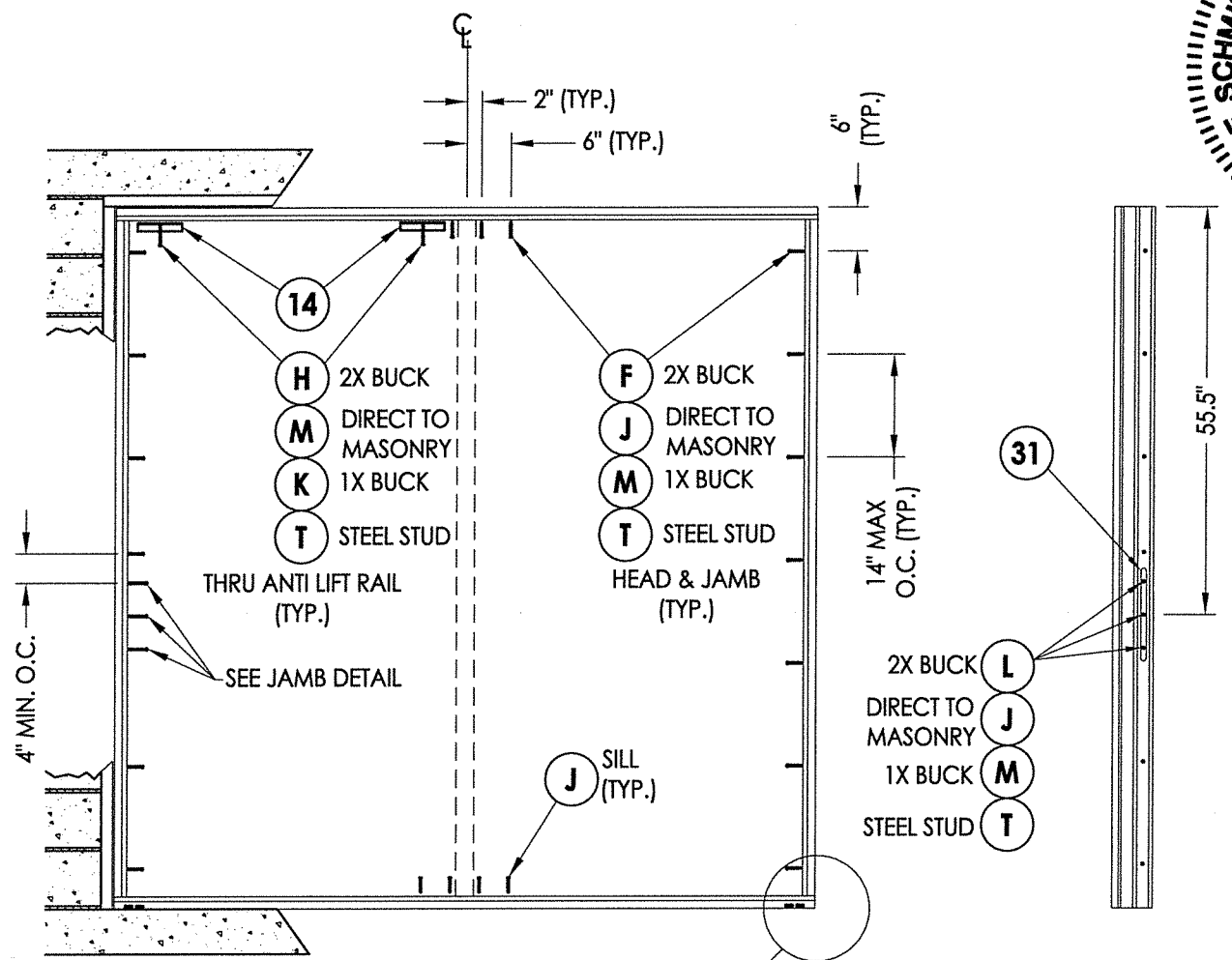
		07/28/2020	
		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
PRODUCT: DOERS		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
NO.		DATE	
1		7/28/20	
UPDATE TO		7th ED. (2020)	
FBC		DAC	
BY		BY	
REVISIONS			
DATE: 06/08/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15450.14			
SHEET 4 OF 6			

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\\dc01\pwc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15450 Exterior Doors - Sliding Patio Doors\C - Drawings\FL-15450 (2020)\FL-15450.14.dwg

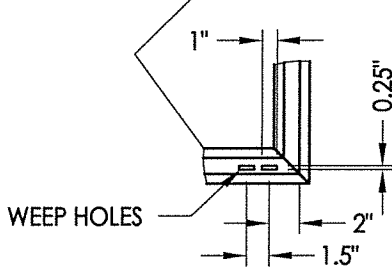


2X BUCK ANCHORING



FRAME ANCHORING

JAMB



WEEP HOLES

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.

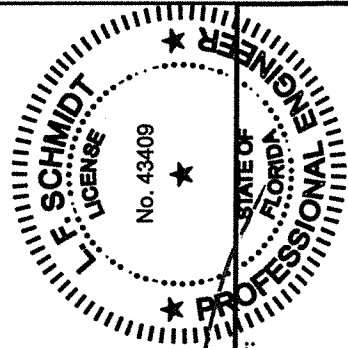
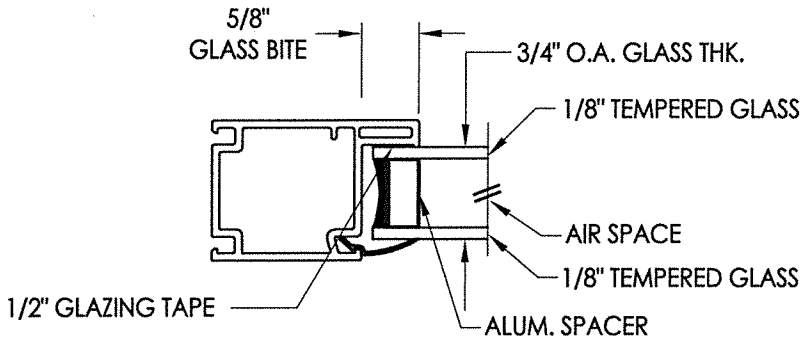
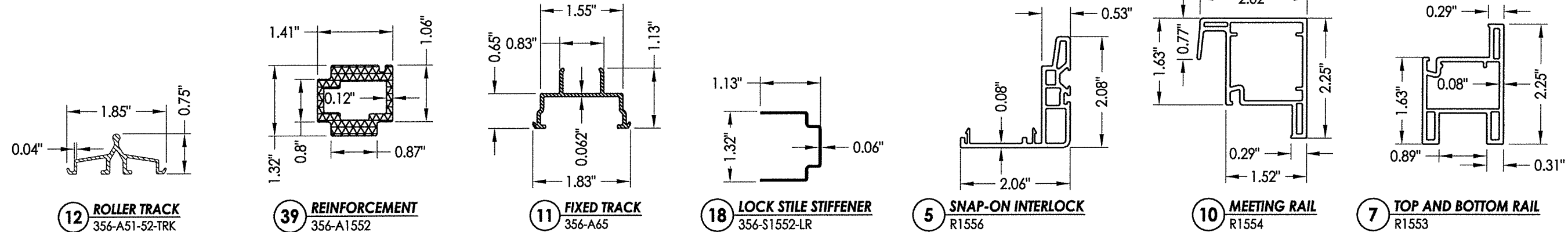
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PRODUCT:	DOERS
PART OR ASSEMBLY:	BUCK AND FRAME ANCHORING
DATE:	06/08/18
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15450.14
SHEET	5 OF 6

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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 3" PPH SMS	STEEL
J	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
K	1/4" X 4" PFH ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PPH SMS (1-3/16" MIN. EMBEDMENT)	STEEL
M	1/4" X 3-1/4" 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*	RIGID PVC
3	GLAZING BEAD*	RIGID PVC
4	FRAME CAP*	RIGID PVC
5	SNAP-ON MEETING RAIL*	RIGID PVC
6	SILL CAP (6063-T5 ALUM)	ALUM
7	SASH TOP AND BOTTOM RAIL*	RIGID PVC
9	SASH STILE*	RIGID PVC
10	MEETING RAIL*	RIGID PVC
11	FIXED TRACK (6065-T5 ALUM)	ALUM
12	SILL ROLLER TRACK (6063-T5 ALUM)	ALUM
14	ANTI LIFT RAIL (6065-T5 ALUM)	ALUM
18	LOCK STILE STIFFENER	ALUM
20	WEATHERSTRIP	FOAM
21	SILL RISER*	RIGID PVC
25	ROLLER ASSM.	STEEL
30	LOCK AND HANDLE	-
31	STRIKE PLATE	-
39	REINFORCEMENT (6063 T6)	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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PRODUCT: DOERS		PART OR ASSEMBLY: BILL OF MATERIALS, COMPONENTS AND GLAZING DETAIL	
NO.	DATE	BY	REVISIONS
1	7/28/20	DAC	UPDATE TO 7th ED. (2020) FBC
DATE: 06/08/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15450.14			
SHEET 6 OF 6			