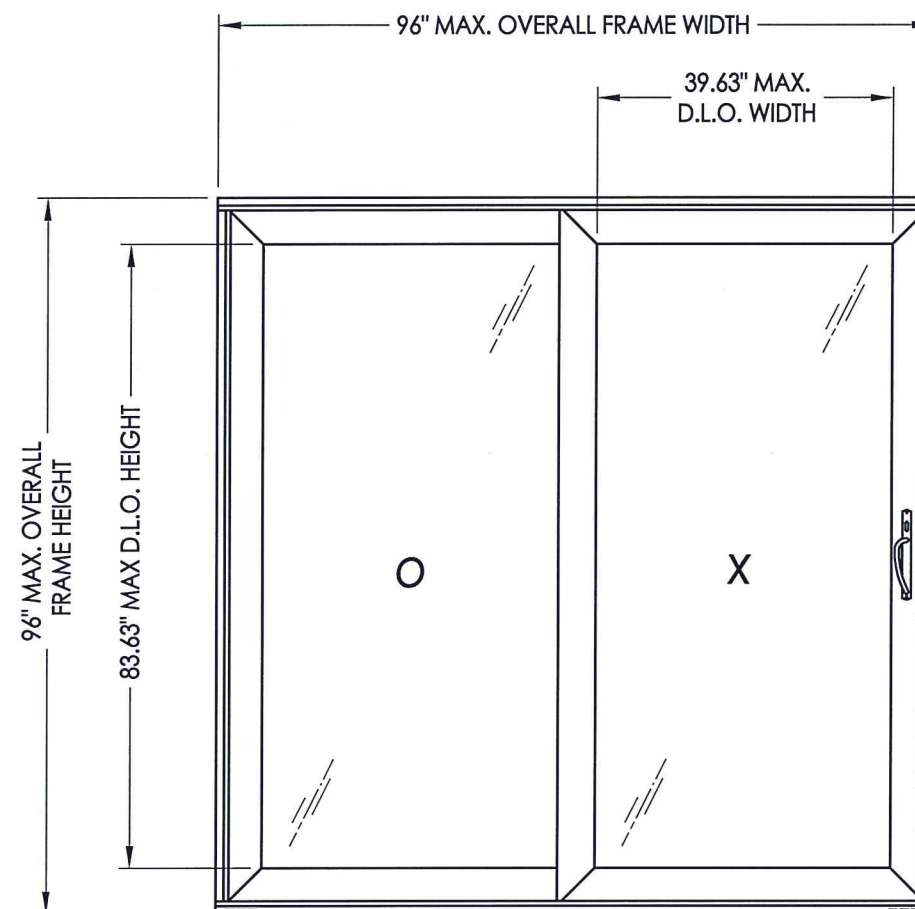


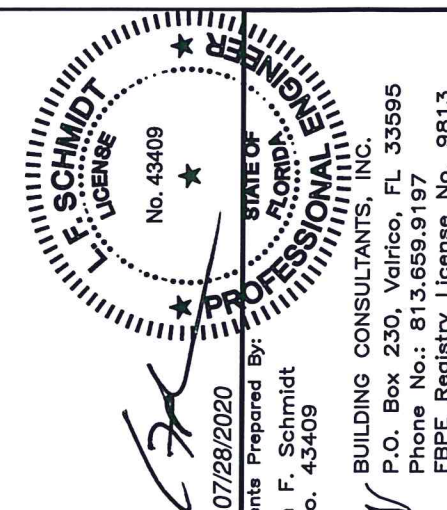
GENERAL NOTES

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



MAX FRAME DIMENSION	MAX D.L.O. DIMENSION	INTERLOCK	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POS.	NEG.
96.0" X 96.0"	39.63" X 83.63"	ALUM	G1	+50.0	-55.0



U/1/28/2020

RW
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FBPE Registry License No. 9813

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

4	7/28/20	UPDATE TO 7TH ED. (2020)	FBC	DAC
3	10/14/19	ADD WATERPROOFING FIN INSTALL.	LFS	
2	01/12/18	ADD STEEL STUD ANCHORING		JK
1	10/05/17	UPDATE TO 6TH ED. (2017)	FBC	JK
NO.	DATE	REVISIONS		

DATE: 6/15/15

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15450.3

SHEET 1 OF 5

1. Item G, spaced 3" from each end plus 6 more equally spaced (8 total).
2. Fixed panel secured to frame w/ item G, 8" from each end plus 2 more equally spaced (4 total).
3. Optional Fin installation is shown to assist in waterproofing only (by others). Through-the-frame installation anchors (Item F) are always required.

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

1-1/4" MIN.
EMB. (TYP.)

SEE NOTE 1

EXTERIOR

INTERIOR

Labels: 3, 10, 2, K, G, 5, 5, G, 14, 2, 10, 14, G1

2 HORIZONTAL CROSS SECTION
2 ALUM INTERLOCK

5 **HORIZONTAL CROSS SECTION**
2 Optional Waterproofing Fin Installation
(Similar all Sides)

1-1/4" MIN.
EMB. (TYP.)

EXTERIOR

3 HORIZONTAL CROSS SECTION
2 1X Buck Masonry Construction

D

No. 43409

STATE OF FLORIDA
PROFESSIONAL ENGINEER

L.F. SCHMIDT
LICENSE

07/28/2020

F. Schmidt

No. 43409

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Documents Prepared By:
Lyndon F. Schmidt
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CONAL
BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry License No. 9813

PRODUCT: _____ Doers

PART OR ASSEMBLY:
**HORIZONTAL
CROSS SECTIONS**

[illegible]

DATE: 6/15/15

SCALE: N.T.S.

DWG. BY: JK

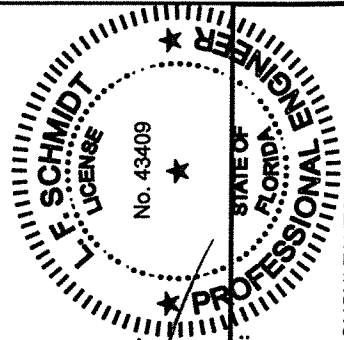
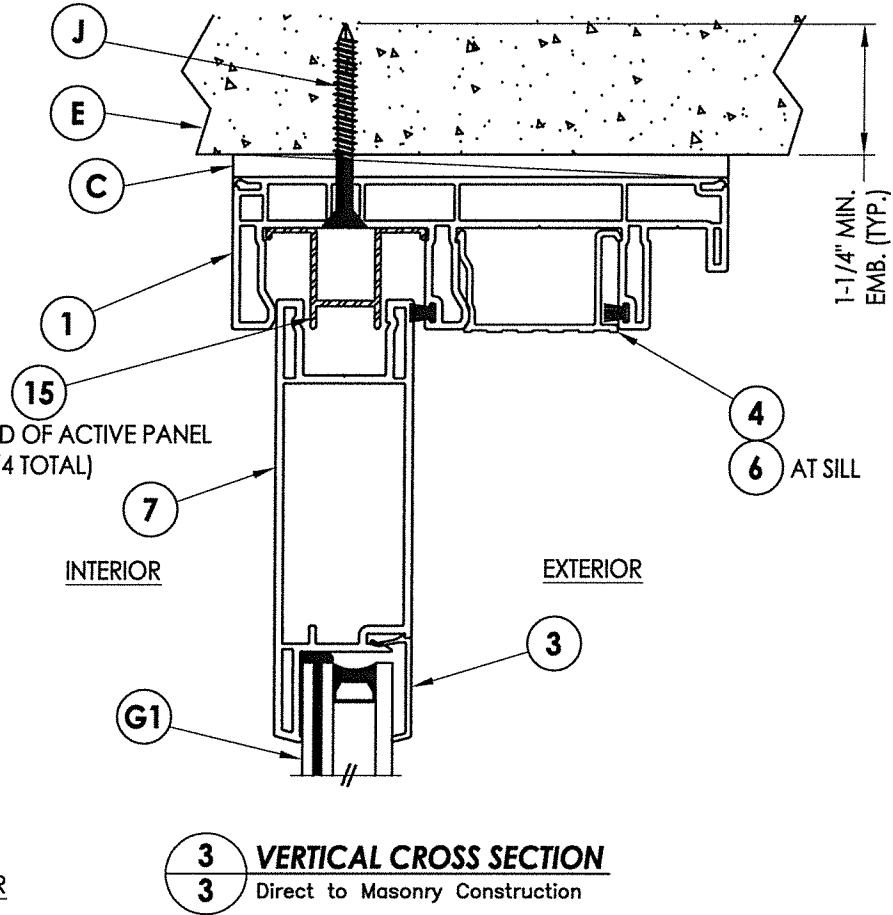
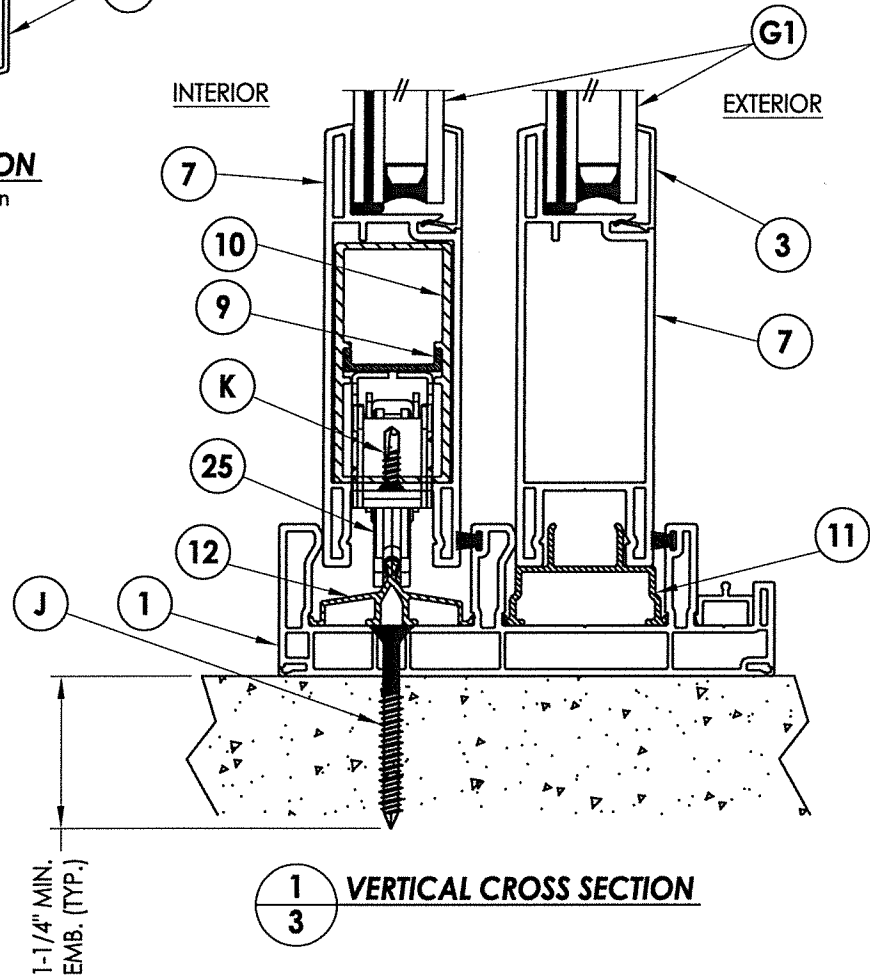
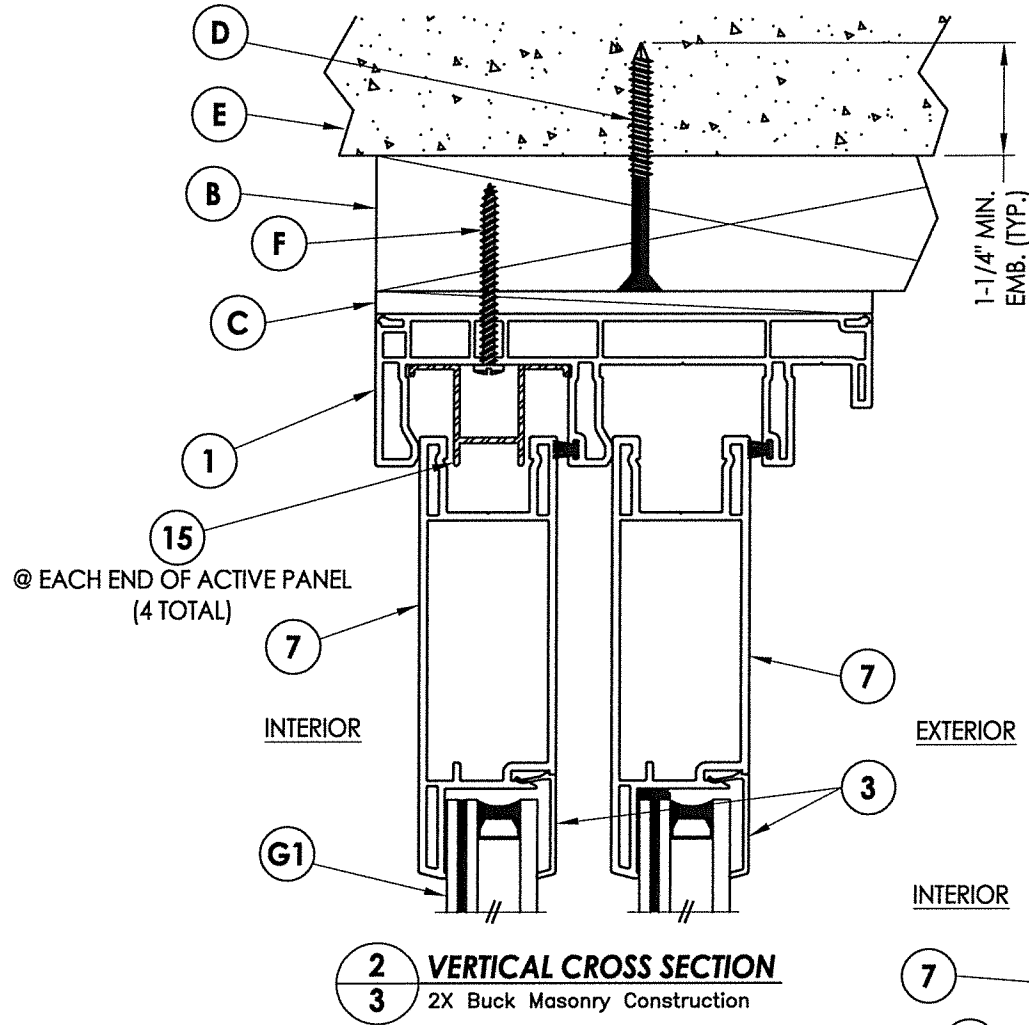
CHK. BY: LFS

DRAWING NO.:

FL-15450.3

SHEET 2 OF 5

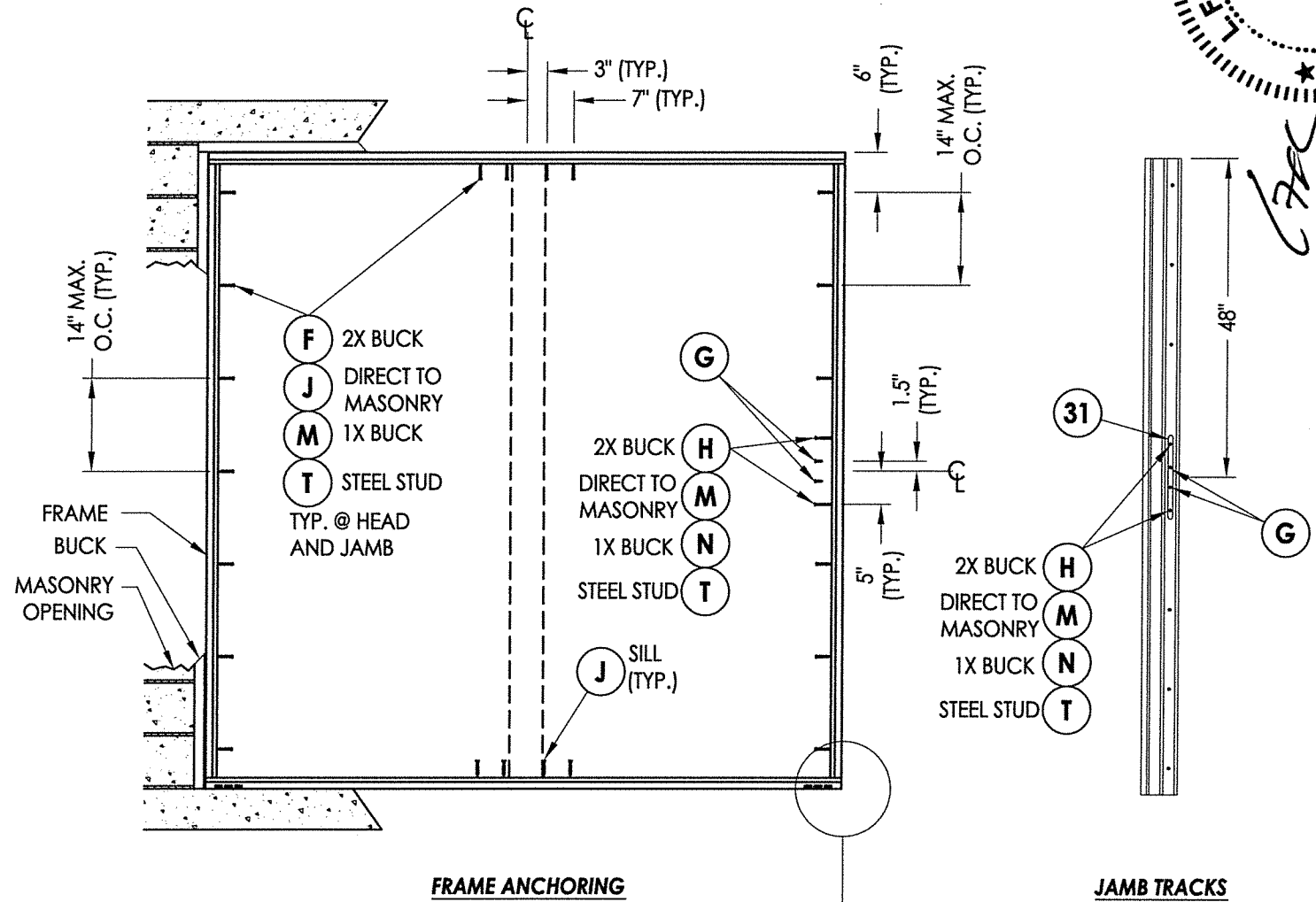
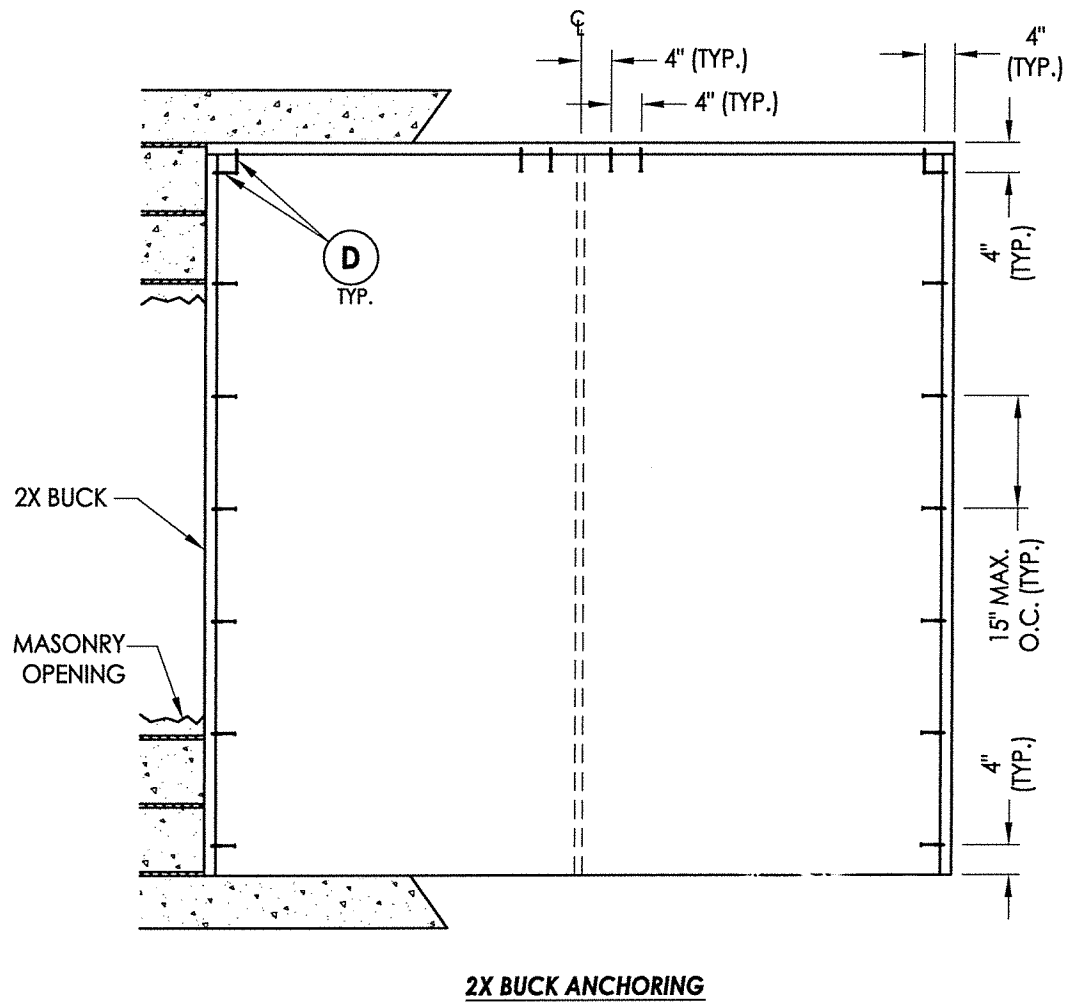
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07/28/2020
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FBPE Registry License No. 9813

PRODUCT:		Doors	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
REVISIONS			
NO.	DATE	BY	
4	7/28/20	DAC	UPDATE TO 7TH ED. (2020)
3	10/14/19	LFS	ADD WATERPROOFING FIN INSTALL.
2	01/12/18	JK	ADD STEEL STUD ANCHORING
1	10/05/17	JK	UPDATE TO 6TH ED. (2017)
DATE: 6/15/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15450.3			
SHEET 3 OF 5			

\\dc01\rbac\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15450 Exterior Doors - Sliding Patio Doors\C - Drawings\FL-15450 (2020)\FL-15450.3.dwg



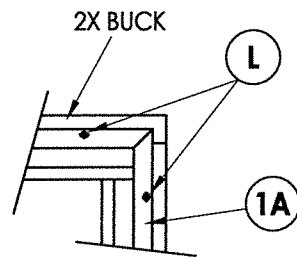
CONCRETE ANCHOR NOTES:

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"

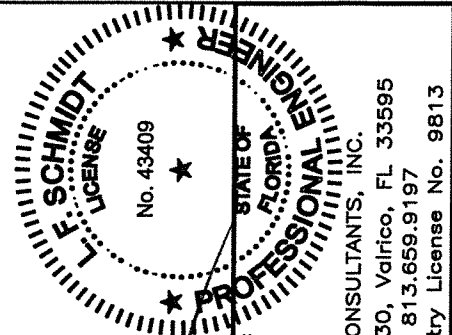
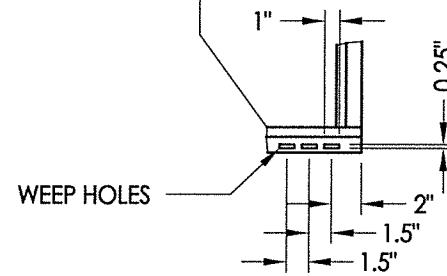
WOOD SCREW INSTALLATION NOTES:

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



OPTIONAL FIN INSTALLATION

ITEM L MAY BE INSTALLED AS REQUIRED TO ASSIST IN THE SEALING OF FIN. ALL OTHER INSTALLATION ANCHORS SHOWN ABOVE ARE STILL REQUIRED.



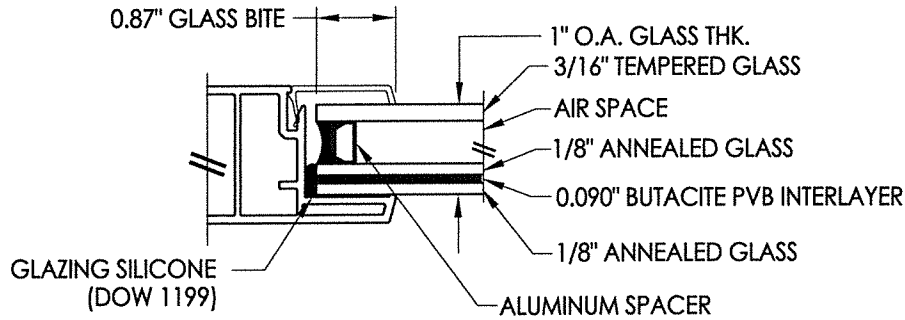
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PRODUCT: Doers		PART OR ASSEMBLY: BUCK AND FRAME ANCHORING	
4	7/28/20	UPDATE TO 7TH ED. (2020) FBC	DAC
3	10/14/19	ADD WATERPROOFING FIN INSTALL.	LFS
2	01/12/18	ADD STEEL STUD ANCHORING	JK
1	10/05/17	UPDATE TO 6TH ED. (2017) FBC	JK
NO.	DATE	REVISIONS	
DATE: 6/15/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15450.3			
SHEET 4 OF 5			

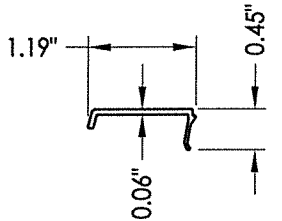
\\dc01\wbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15450 Exterior Doors - Sliding Patio Doors\C - Drawings\FL-15450 (2020)\FL-15450.3.dwg

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" PFH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
J	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
K	#6 X 3/4" PPH SMS	STEEL
L	#8 X 1-5/8" MODIFIED TRUSS HEAD SCREW (7/16"Ø HEAD)	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
1A	FRAME w/ FIN*	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
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
14	REINFORCEMENT (6065-T5 ALUM)	ALUM
15	ANTI-LIFT-OUT BLOCKS (6063-T5 ALUM)	ALUM
25	ROLLER ASSM.	STEEL
30	LOCK AND HANDLE	-
31	STRIKE PLATE	-

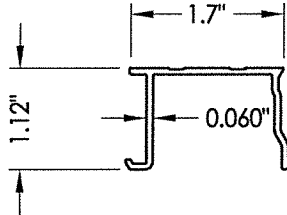
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATIONS PROGRAMS FOR RIGID PVC EXTRUSIONS".



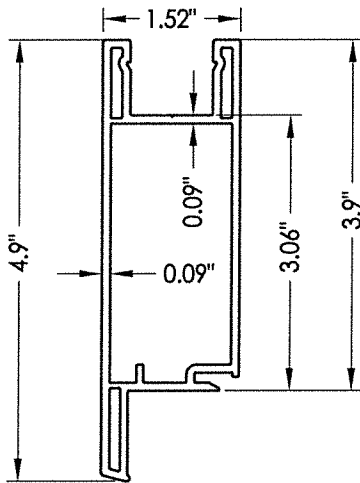
G1 GLAZING DETAIL



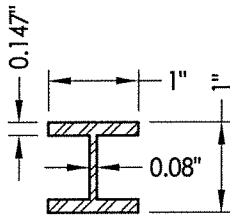
3 GLAZING BEAD
8570-356-D57



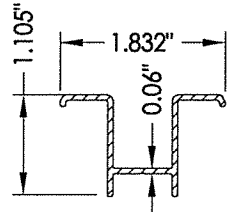
4 FRAME CAP
8571-356-D58



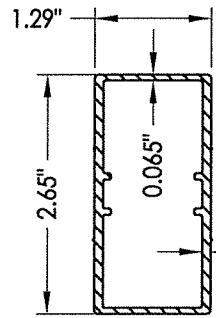
7 SASH TOP AND BOTTOM RAIL
8568-356-D55



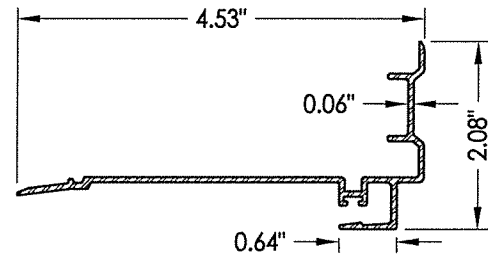
14 REINFORCEMENT



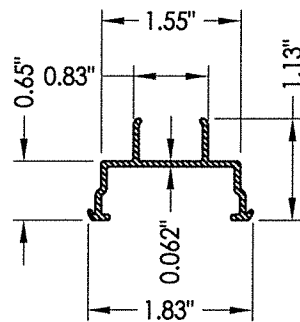
15 ANTI-LIFT-OUT BLOCKS



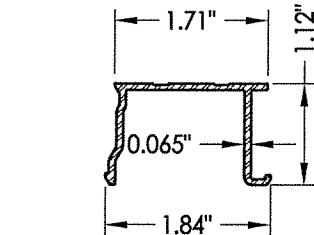
10 REINFORCEMENT
356-A54-55



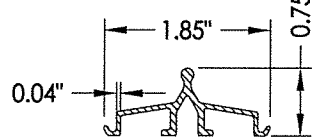
5 INTERLOCK
356-A54



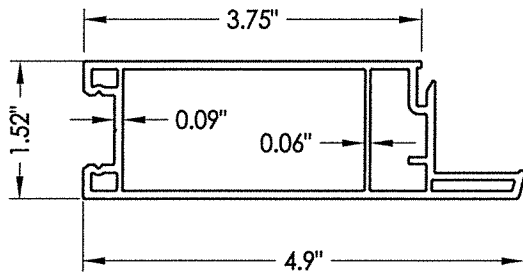
11 FIXED TRACK
356-A65



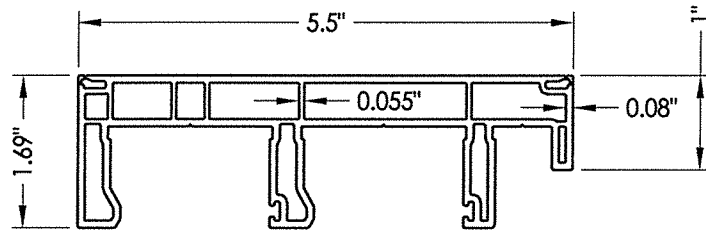
6 SILL CAP
356-A51-52-COV



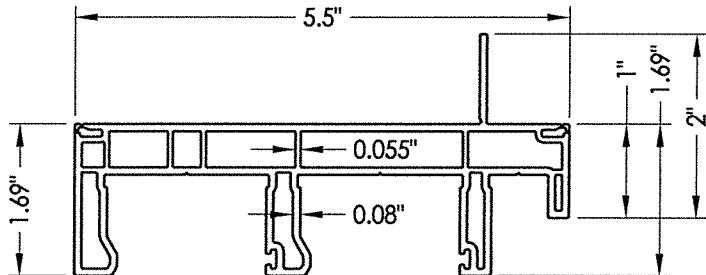
12 ROLLER TRACK
356-A51-52-TRK



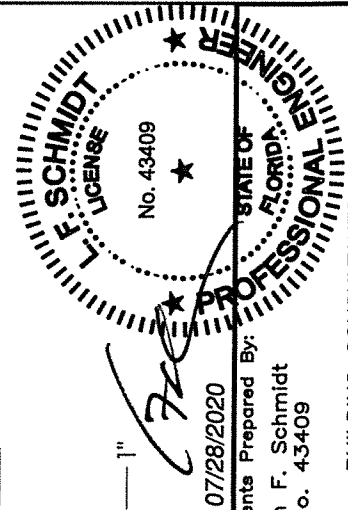
2 SASH STILE
8567-356-D54



1 FRAME
8572-356-D60



1A FRAME w/ FIN



07/28/2020
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PRODUCT: Doors

PART OR ASSEMBLY:
BILL OF MATERIALS, GLAZING
DETAIL & COMPONENTS

NO.	DATE	REVISIONS
4	7/28/20	UPDATE TO 7TH ED. (2020) FBC
3	10/14/19	ADD WATERPROOFING FIN INSTALL.
2	01/12/18	ADD STEEL STUD ANCHORING
1	10/05/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 6/15/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15450.3

SHEET 5 OF 5