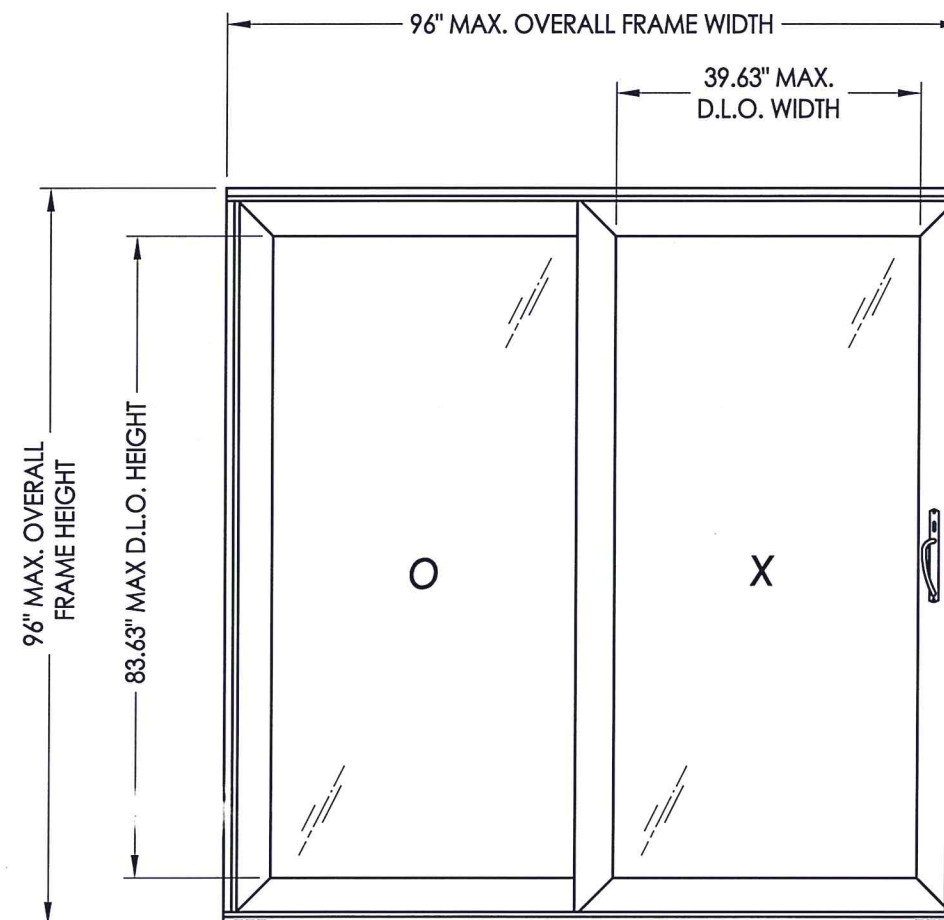


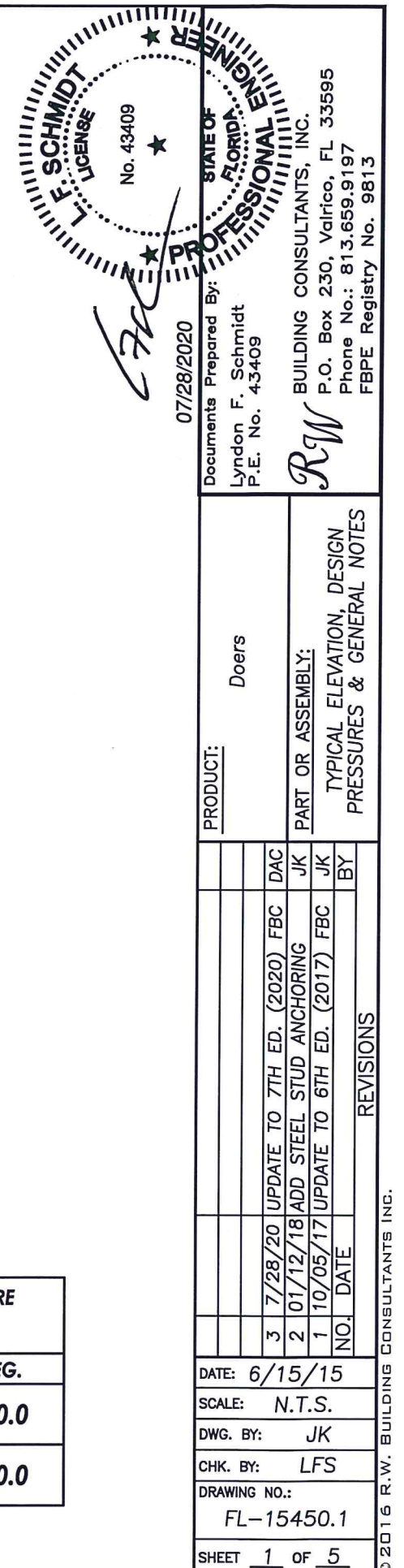
"NON-IMPACT"

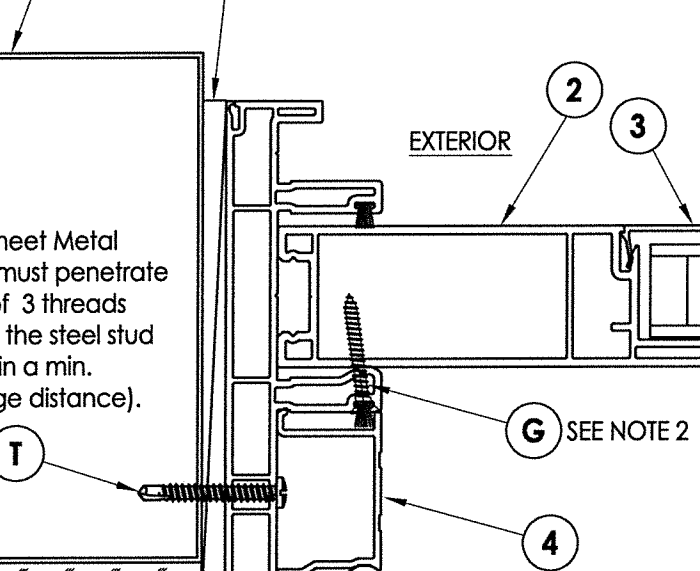
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 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"	PVC	G1	+35.0	-40.0
		ALUM	G1	+45.0	-50.0





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

EXTERIOR

INTERIOR

Labels: X, C, 2, 3, G1, T, G, 4, 1

Reference: SEE NOTE 2

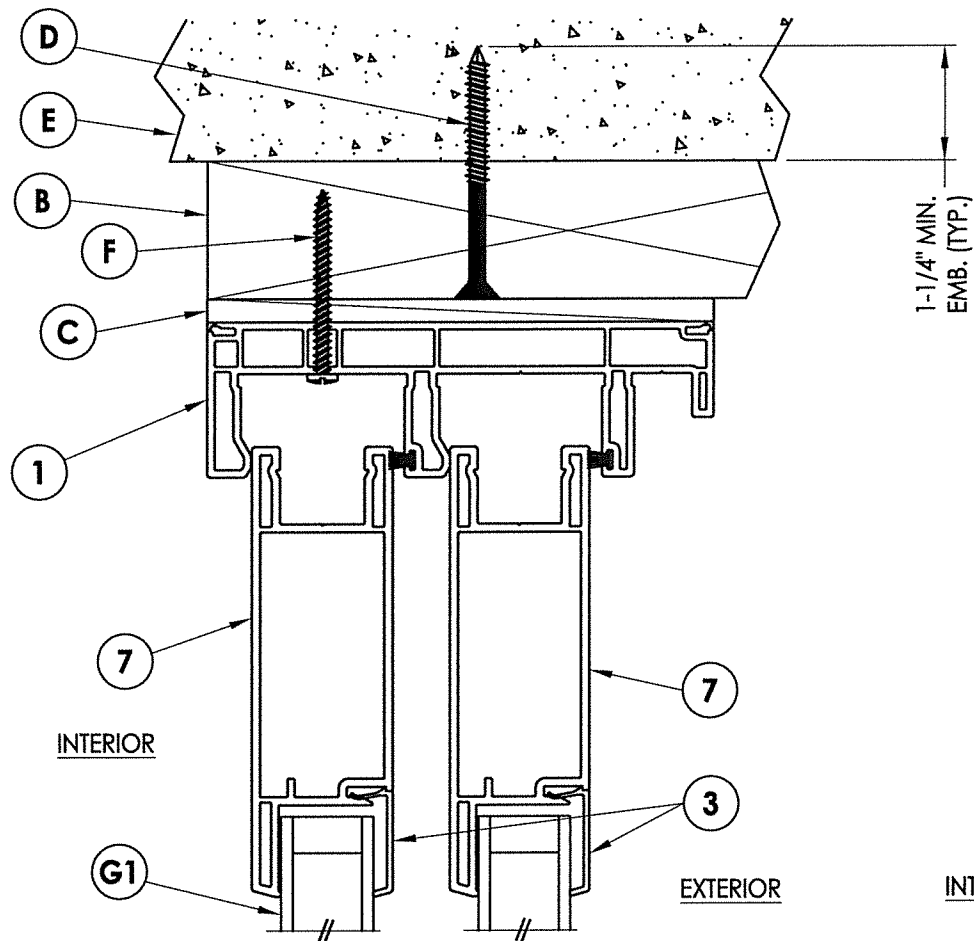
SEE NOTE 1

Diagram illustrating the horizontal cross section of the Alum Interlock assembly. The diagram shows two main components, 3 and 2, joined by a G1 interlock. The assembly includes a G1 interlock (G) and a G1 interlock (G1). The diagram also shows a G1 interlock (G1) and a G1 interlock (G1). The diagram is labeled with various callouts: 3, G, 10, 2, K, 5A, G1, 5A, 2, 3, 2.

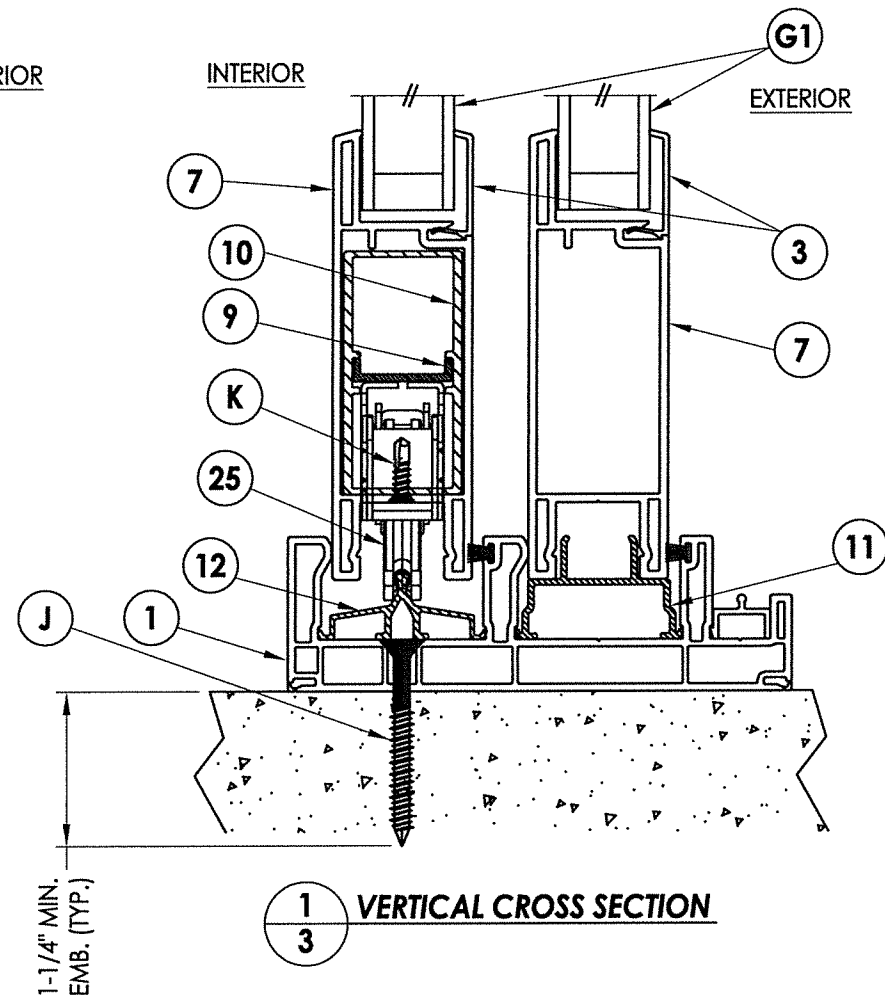
3 **2** **HORIZONTAL CROSS SECTION**
ALUM INTERLOCK

Technical drawing of a window frame cross-section. The drawing is divided into two main views: **EXTERIOR** (top) and **INTERIOR** (bottom). The frame is shown in a cross-section, revealing internal components and fasteners. Numbered callouts identify specific parts: **2** points to the frame profile; **3** points to the outer seal or gasket; **5** points to the inner seal or gasket; **10** points to a screw or fastener; **K** points to a component of the drainage system; **G** points to a component of the drainage system; **G1** points to a component of the drainage system. The text **SEE NOTE 1** is located above the main cross-section. The drawing is labeled **EXTERIOR** at the top and **INTERIOR** at the bottom.

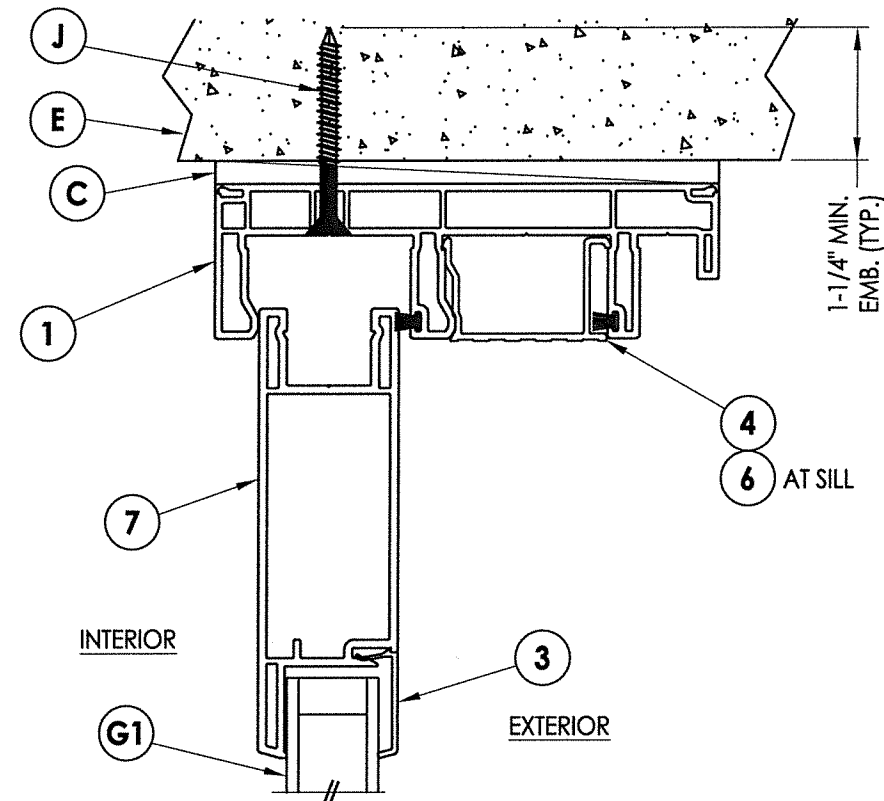
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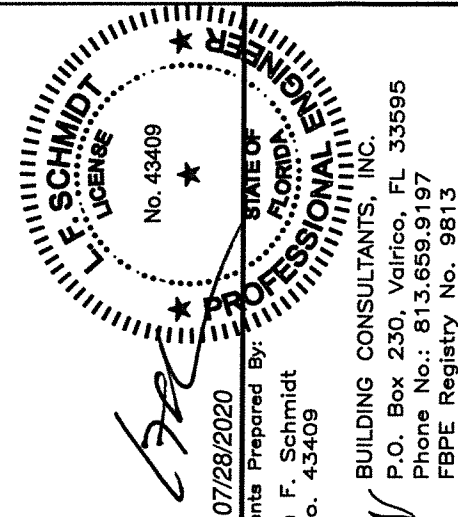
3 VERTICAL CROSS SECTION
3 2X Buck Masonry Construction



1 **VERTICAL CROSS SECTION**
3



2 VERTICAL CROSS SECTION
3 Direct to Masonry Construction



07/28/2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
RW BUILDING CO
P.O. Box 23
Phone No.:
FBPE Register

DATE: 6/15/15				PRODUCT: Doers PART OR ASSEMBLY: VERTICAL CROSS SECTIONS
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-15450.1				
SHEET 3 OF 5				

Technical drawing of a window frame assembly, showing various components and dimensions. The drawing includes a cross-section of the window frame and a detail view of the corner joint.

Dimensions:

- 14" MAX. O.C. (TYP.)
- 3" (TYP.)
- 7" (TYP.)
- 6" (TYP.)
- 14" MAX. O.C. (TYP.)
- 1.5" (TYP.)
- 5" (TYP.)
- 48"

Components and Labels:

- F** 2X BUCK
- J** DIRECT TO MASONRY
- M** 1X BUCK
- T** STEEL STUD TYP. @ HEAD AND JAMB
- G**
- H** 2X BUCK DIRECT TO MASONRY
- M** 1X BUCK
- N** STEEL STUD
- T**
- J** SILL (TYP.)
- 31**
- H** 2X BUCK DIRECT TO MASONRY
- M** 1X BUCK
- N** STEEL STUD
- T**
- G**
- FRAME BUCK
- MASONRY OPENING

JAMB TRACKS

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 ULTRA-CON®	1/4"	1-1/4"	1"	4"

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

DATE: 6/15/15		PRODUCT: Doers	
SCALE: N.T.S.		PART OR ASSEMBLY: BUCK AND FRAME ANCHORING	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15450.1			
SHEET 4 OF 5			

The seal is circular with a double-lined border. The outer ring contains the text "F. SCHMIDT" at the top and "LICENSE" at the bottom. The inner ring contains the text "STATE OF FLORIDA" at the top and "PROFESSIONAL ENGINEER" at the bottom. In the center, the text "No. 43409" is displayed above a five-pointed star.

07/28/2020

01/25/2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

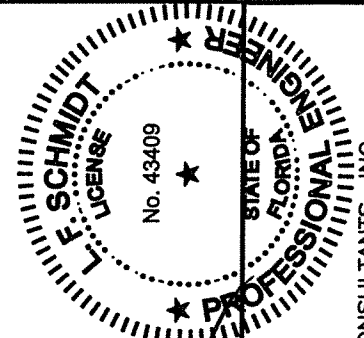
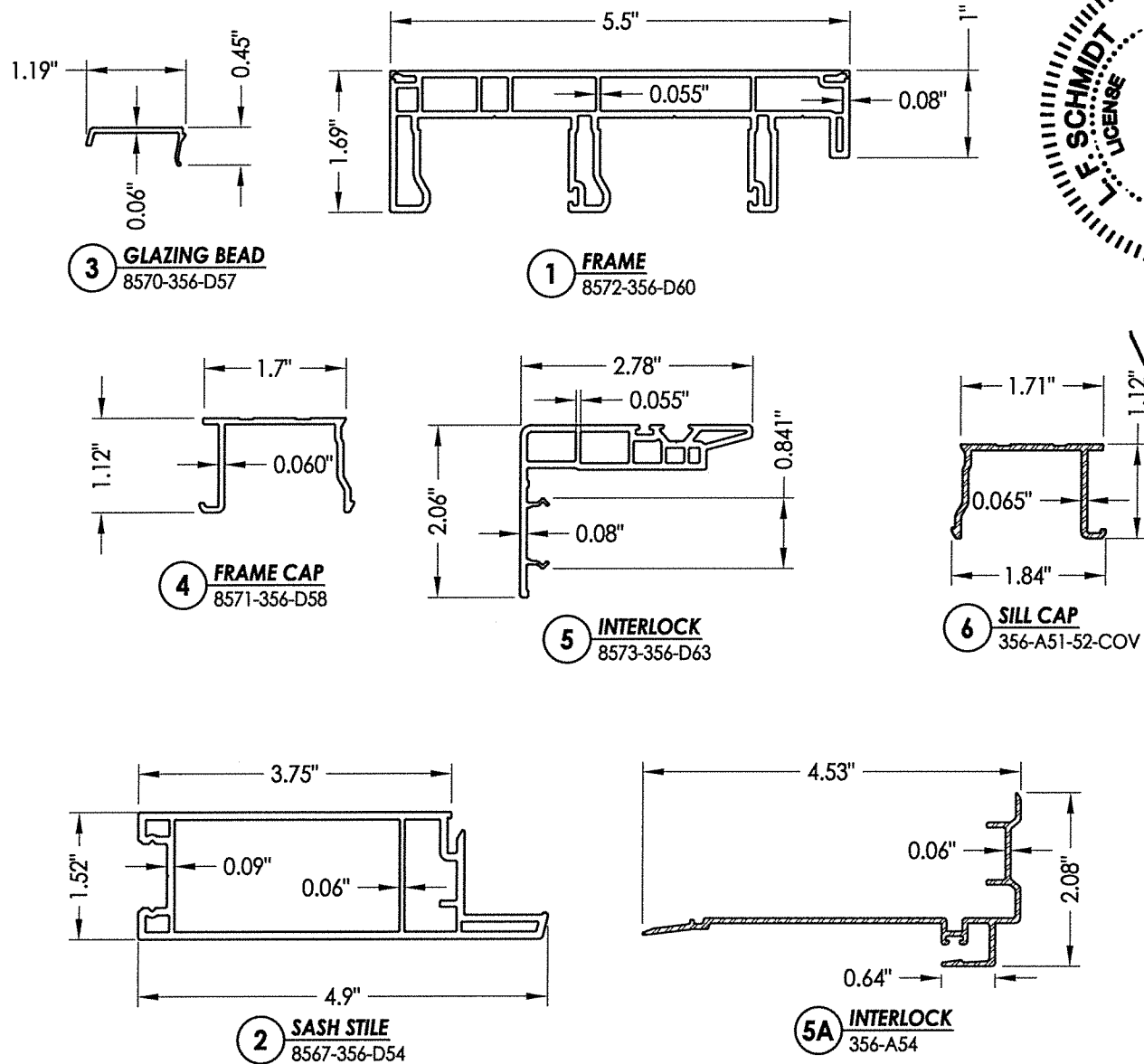
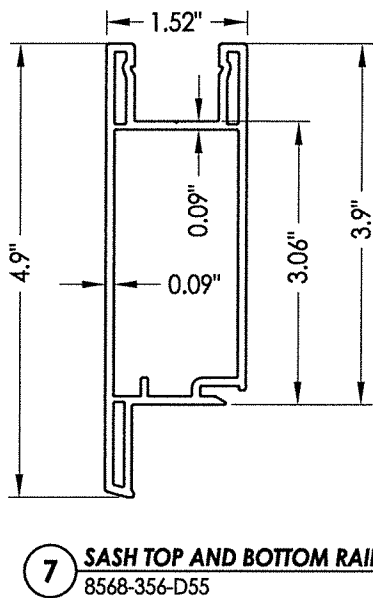
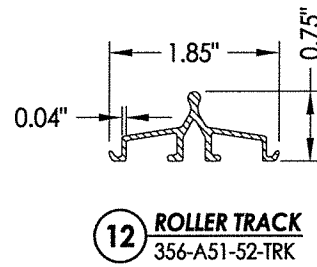
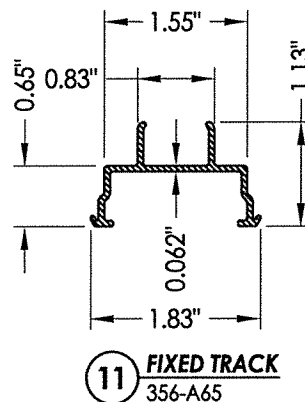
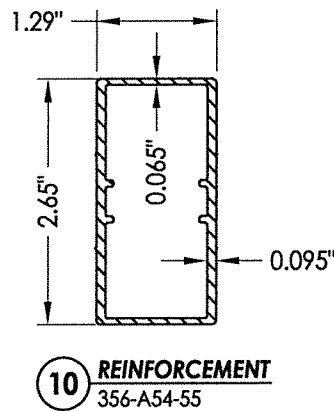
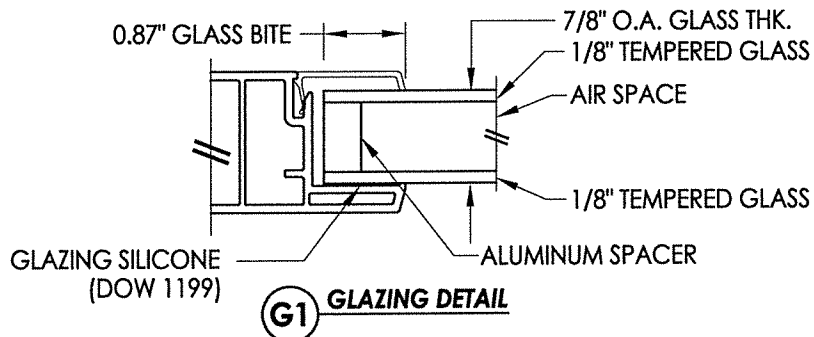
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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\\dc01\rvbc\Clients\Doors PERMANENT\A - Florida Product Approvals\FL-15450 Exterior Doors - Sliding Patio Doors\C - Drawings\FL-15450 (2020)\FL-15450.1.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
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*	PVC
5A	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
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".



07/28/2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW
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: 6/15/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15450.1
SHEET 5 OF 5