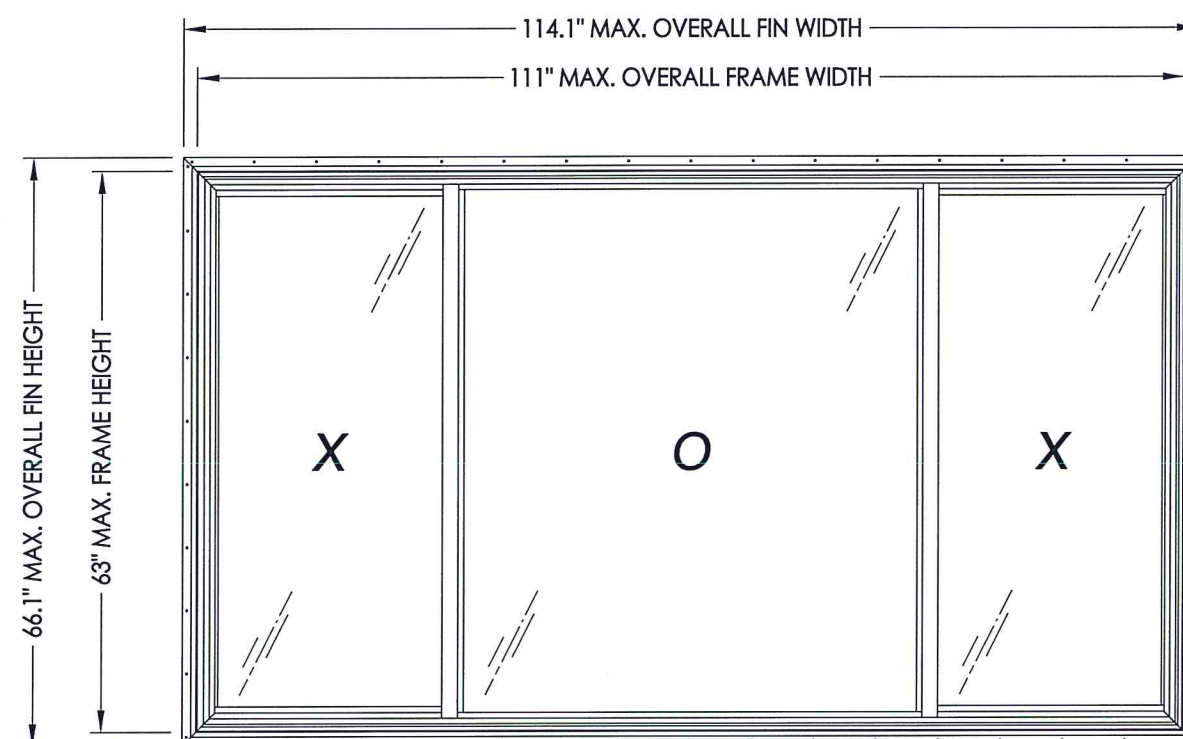


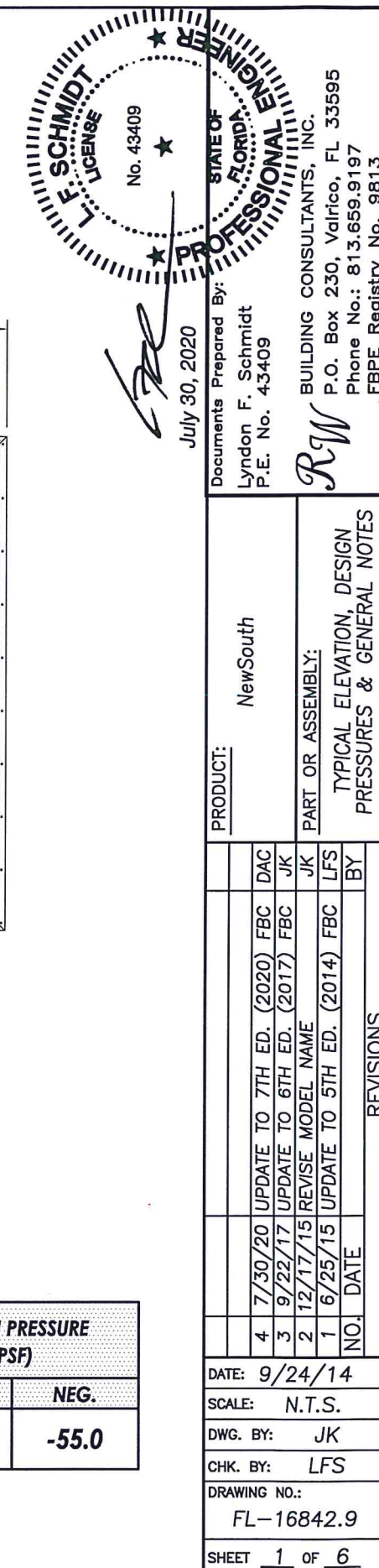
IMPACT RATED
w/ Nailing Fin

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. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

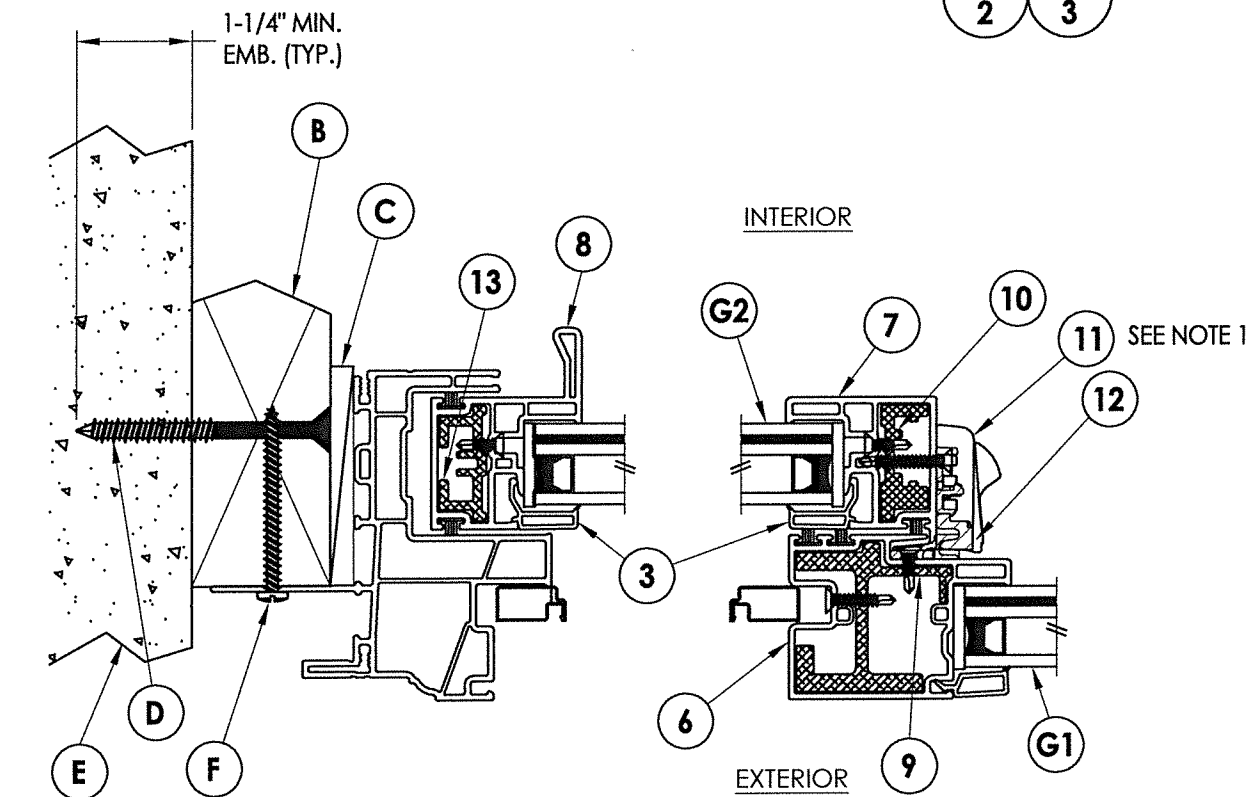
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Vertical & horizontal cross sections
3	Vertical & horizontal cross sections
4	Buck & frame anchoring
5	Components
6	Bill of materials and glazing details



MAX. OVERALL FIN DIMENSION	MAX. OVERALL FRAME DIMENSION	MAX DAY LITE DIMENSION (OPERABLE)	MAX DAY LITE DIMENSION (FIXED)	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POS.	NEG.
114.1" X 66.1"	111.0" X 63.0"	25.0" X 57.25"	51.0" X 58.5"	G1 (Fixed) G2 (Operable)	+50.0	-55.0

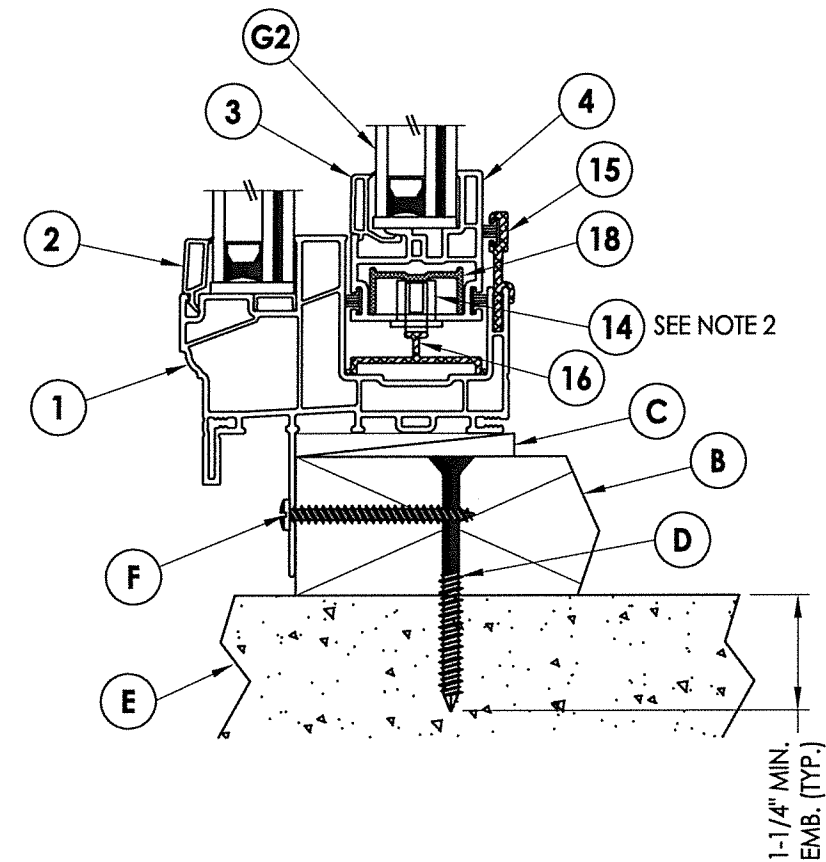
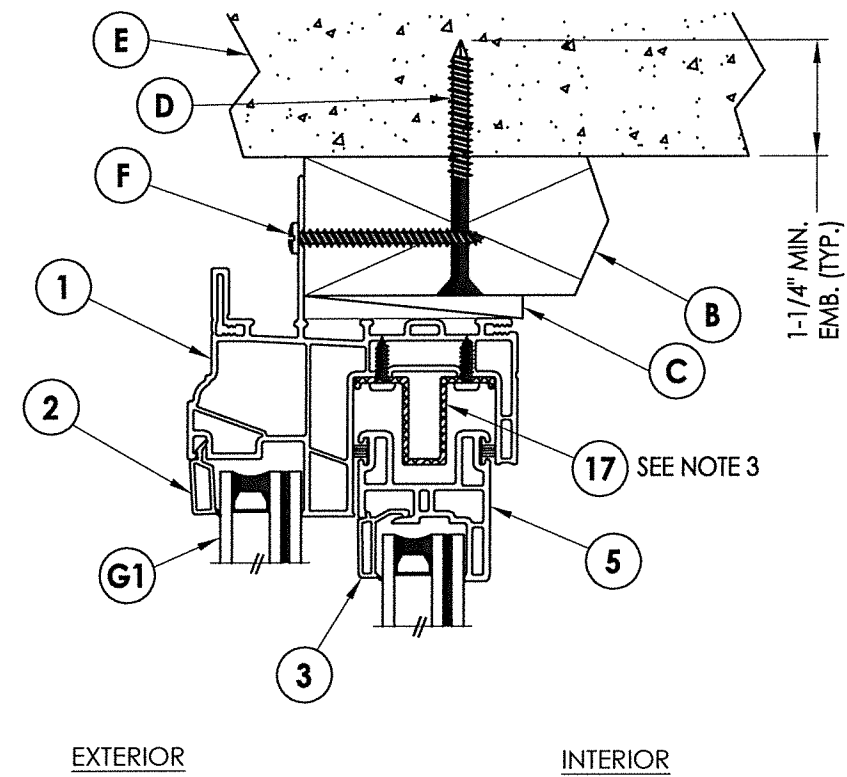


1. Lock and keeper located 7" from each end of lock/meeting stile.
2. Metal roller assembly located 2" from each end of the bottom rail.
3. Anti-lift secured to head with (6) #6 x 1/2" PPH SMS.

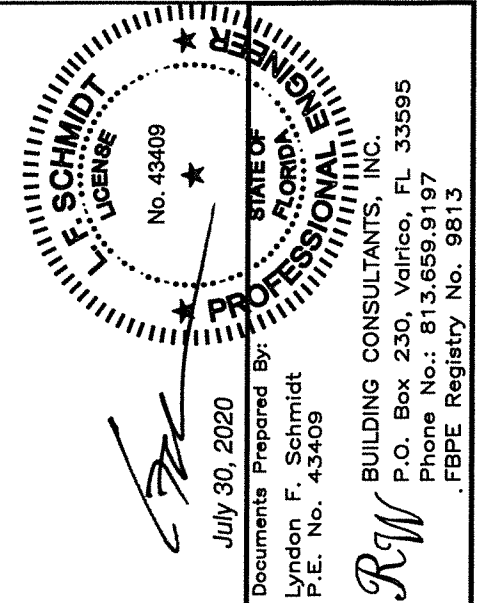


1 HORIZONTAL CROSS SECTION

2 2X Buck Masonry Construction



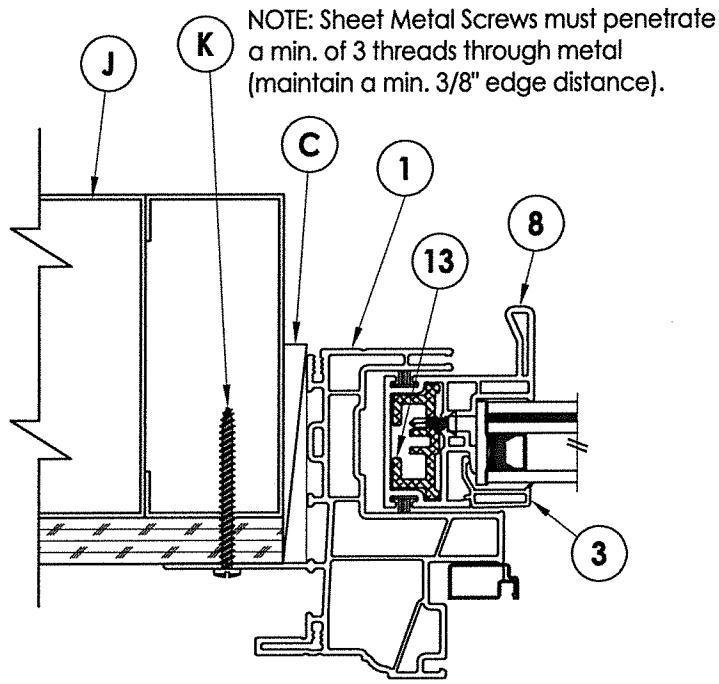
2 VERTICAL CROSS SECTION
2X Buck Masonry Construction



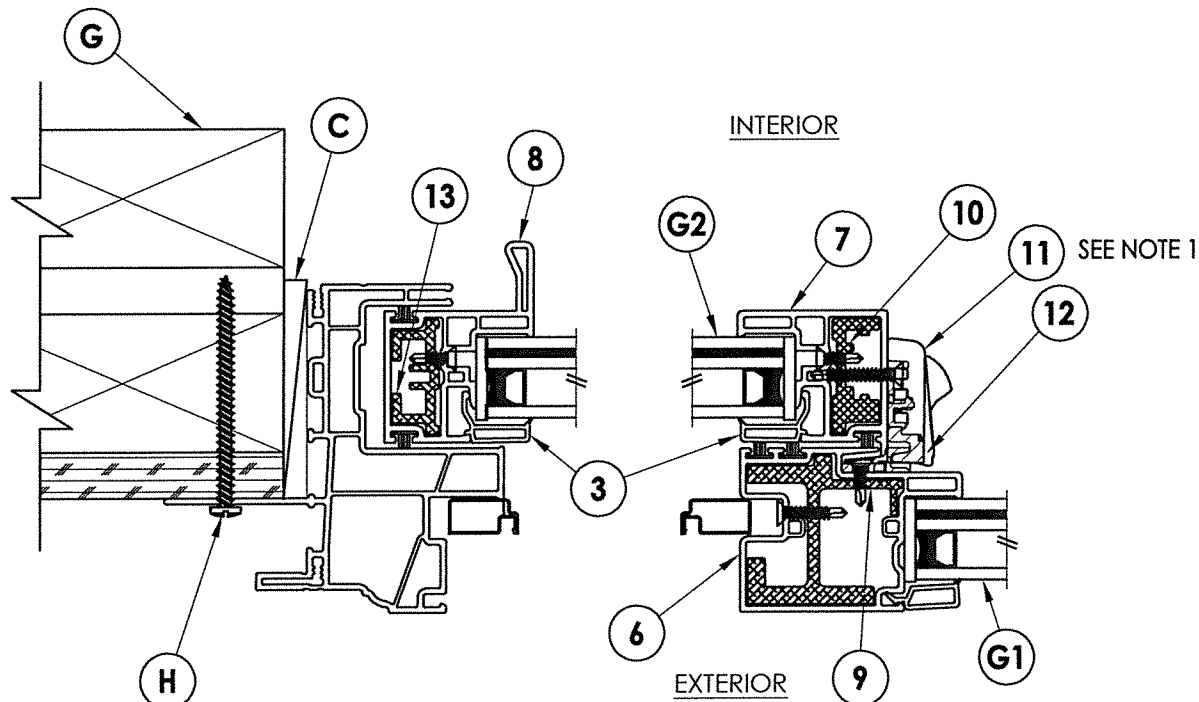
PRODUCT:	NewSouth
PART OR ASSEMBLY:	VERTICAL & HORIZONTAL CROSS SECTIONS

DATE: 9/24/14							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-16842.9							
SHEET 2 OF 6							
			7/30/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
			3 9/22/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
			2 12/17/15	REVISE MODEL NAME		JK	
			1 6/25/15	UPDATE TO 5TH ED. (2014)	FBC	LFS	
			NO. DATE			BY	
				REVISIONS			

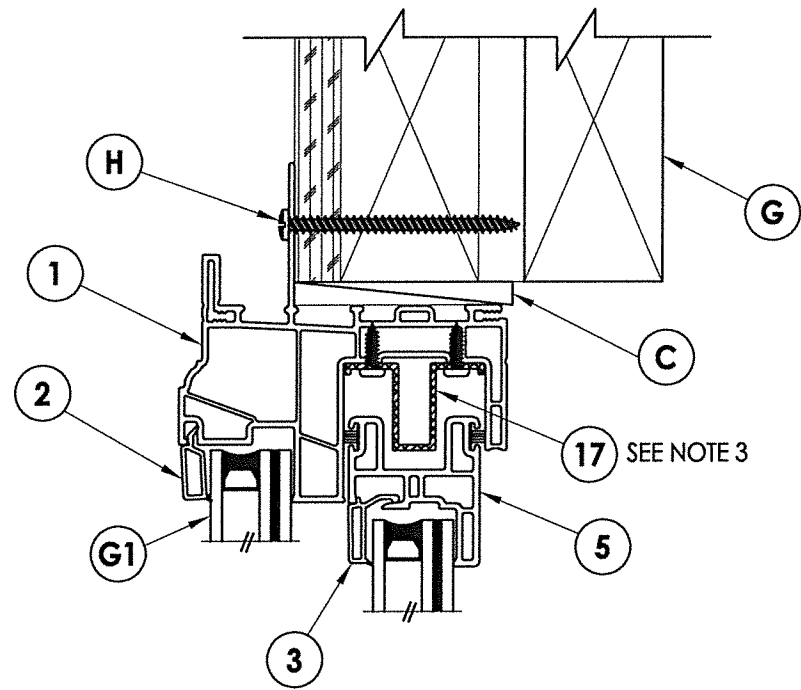
- Note:
1. Lock and keeper located 7" from each end of lock/meeting stile.
 2. Metal roller assembly located 2" from each end of the bottom rail.
 3. Anti-lift secured to head with (6) #6 x 1/2" PPH SMS.



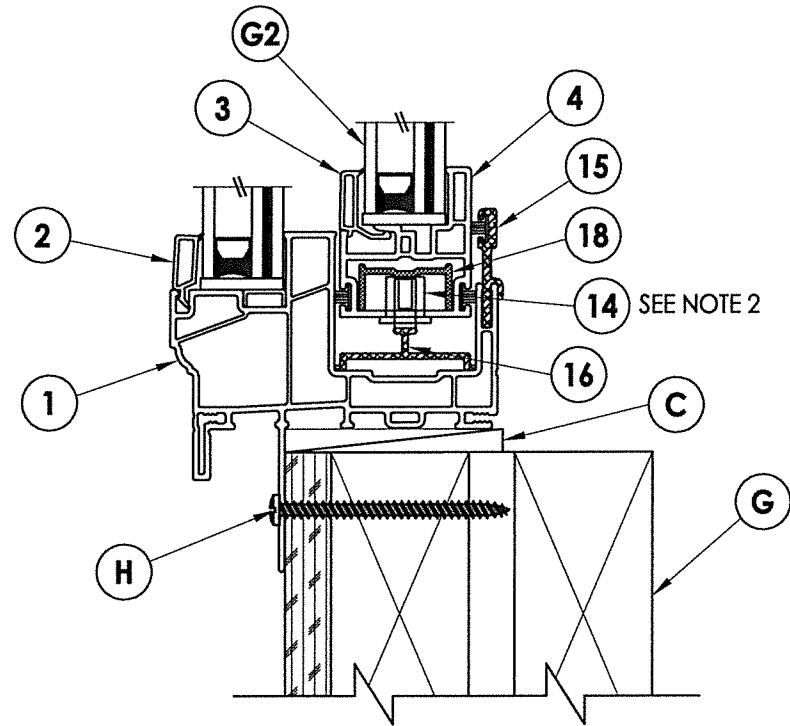
3 **HORIZONTAL CROSS SECTION**
Shown w/ Steel Stud Framing Option



1 **HORIZONTAL CROSS SECTION**
2X Stud Construction



EXTERIOR INTERIOR



2 **VERTICAL CROSS SECTION**
2X Stud Construction

FLORIDA PROFESSIONAL ENGINEER
No. 43409
July 30, 2020
Documents Prepared By:
Lyndon F. Schmidt
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		NewSouth	
PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
DATE:		9/24/14	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-16842.9	
SHEET		3 OF 6	

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"

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.

DATE: 9/24/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-16842.9

SHEET 4 OF 6

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Technical drawing of a mechanical part with dimensions: 3.69", 1.58", 3.31", 0.062", and 2.06".

Technical drawing of a mechanical part, likely a bracket or support. The drawing shows a cross-section with the following dimensions:

- Overall width: 2.4"
- Overall height: 1.78"
- Internal width (from left vertical face to right vertical face): 1.77"
- Internal height (from bottom horizontal face to top horizontal face): 0.062"

Technical drawing of a mechanical part with dimensions: 1.63", 1.66", 0.07", and 0.94".

Technical drawing of a mechanical part with dimensions: 1.63" (width), 1.42" (height), 0.94" (base width), and 0.07" (thickness).

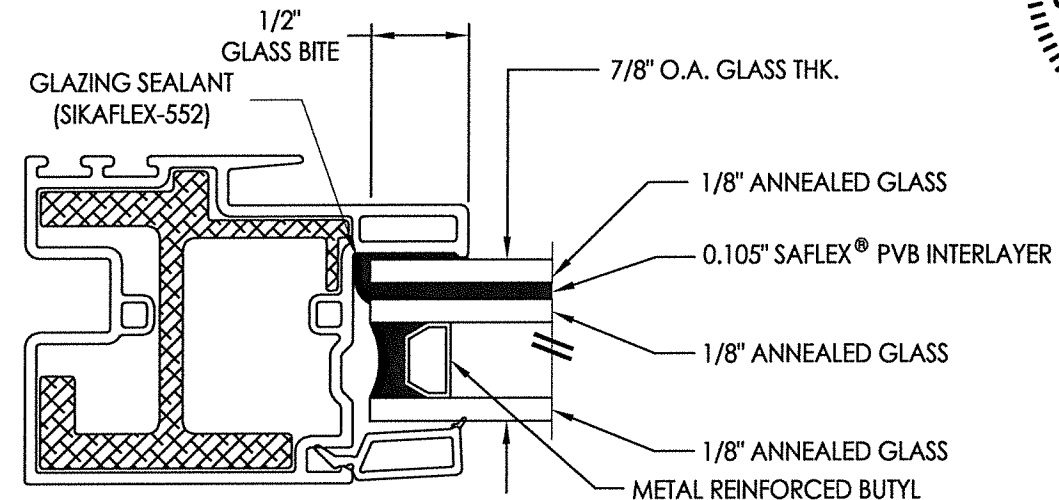
Figure 1 shows a cross-section of a mechanical part. The part has a total width of 1.42 inches and a total height of 0.94 inches. The top surface is 0.07 inches thick. The part features a central rectangular cutout and several smaller rectangular features on the top and bottom surfaces. The dimensions are labeled as follows: 1.42" for the total width, 0.94" for the total height, 0.07" for the top surface thickness, and 1.2" for the height of the central cutout.

4 BOTTOM RAIL

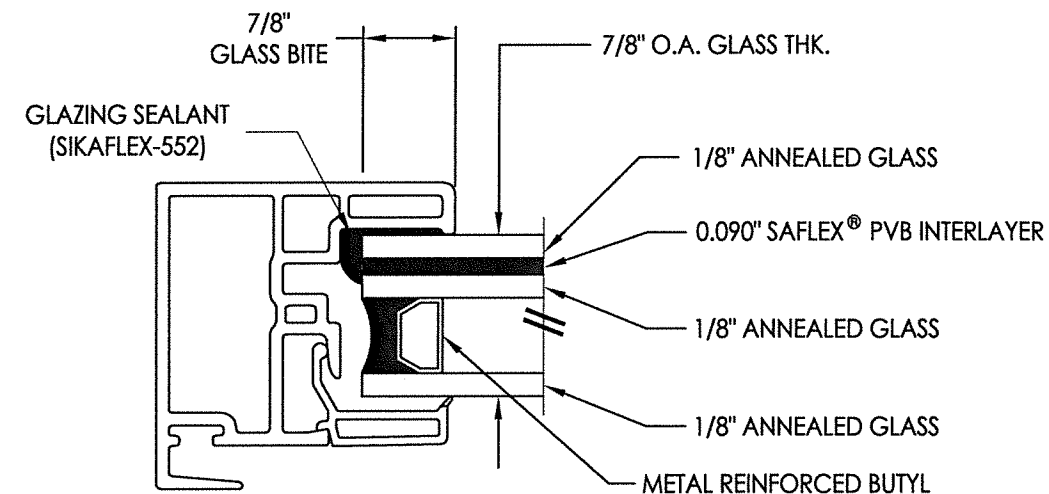


BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK (SG >= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH SMS (1-3/4" MIN. EMBEDMENT)	STEEL
G	2X STUD (SG >= 0.55)	WOOD
H	#10 X 2-1/2" PPH SMS (1-3/4" MIN. EMBEDMENT)	STEEL
J	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 ksi min., Fu=45 ksi min.)	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
1	EXTRUDED VINYL FRAME (437)*	RIGID PVC
2	EXTRUDED VINYL GLAZING BEAD (736A)*	RIGID PVC
3	EXTRUDED VINYL GLAZING BEAD (425A) *	RIGID PVC
4	BOTTOM RAIL (424B)*	RIGID PVC
5	TOP RAIL (478)*	RIGID PVC
6	MEETING STILE (477)*	RIGID PVC
7	LOCK STILE (476)*	RIGID PVC
8	HANDLE STILE (475B)*	RIGID PVC
9	MEETING STILE REINFORCEMENT	6063-T5 ALUM
10	LOCK STILE REINFORCEMENT	6063-T5 ALUM
11	SASH LOCK	-
12	KEEPER	-
13	HANDLE STILE REINFORCEMENT	6063-T5 ALUM
14	ROLLER (TRUTH #2433-1000)	-
15	SILL RISER	6063-T5 ALUM
16	ROLLER TRACK	6063-T5 ALUM
17	ANTI-LIFT ALUMINUM	6063-T5 ALUM
18	BOTTOM RAIL REINFORCEMENT	6063-T5 ALUM
20	WEATHERSTRIP (.187" X .290")	-

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



G1 **GLAZING DETAIL**
Fixed Lite



G2 **GLAZING DETAIL**
Operable Lite

