



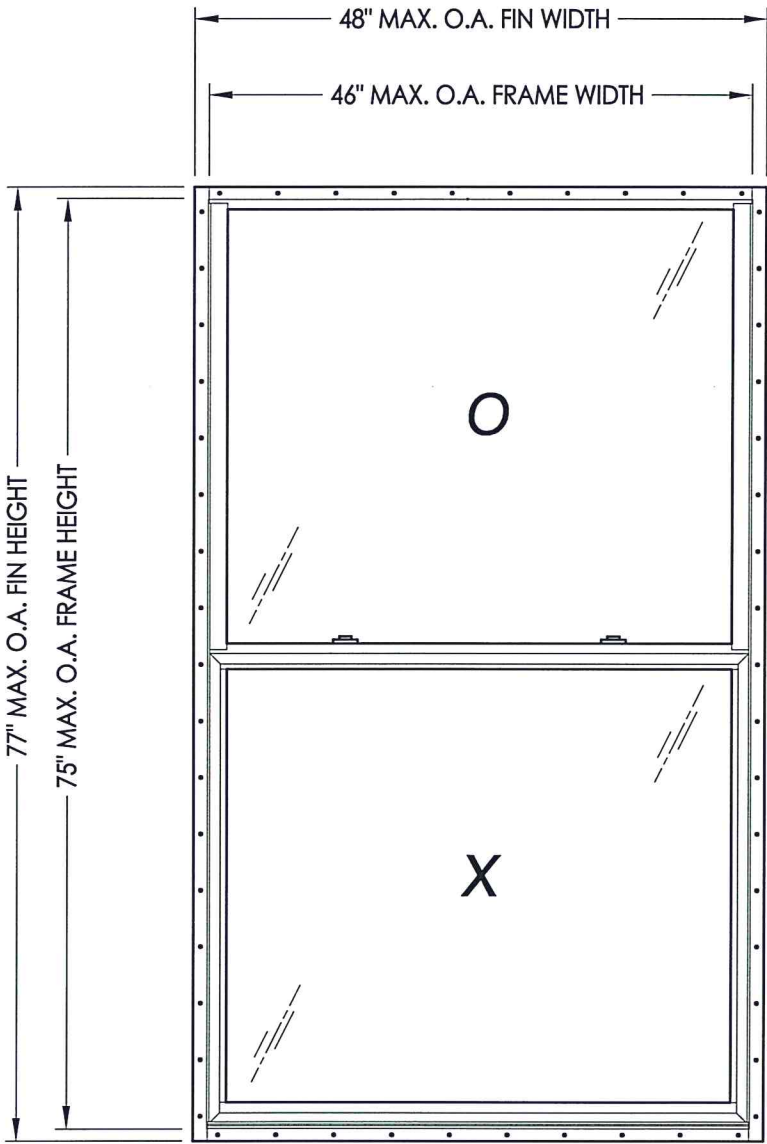
Window Technology, Inc.
201 Industrial Drive Monett, MO 65708

Model 225
Single Hung Window
w/ Nail Fin
"NON-IMPACT"

GENERAL NOTES

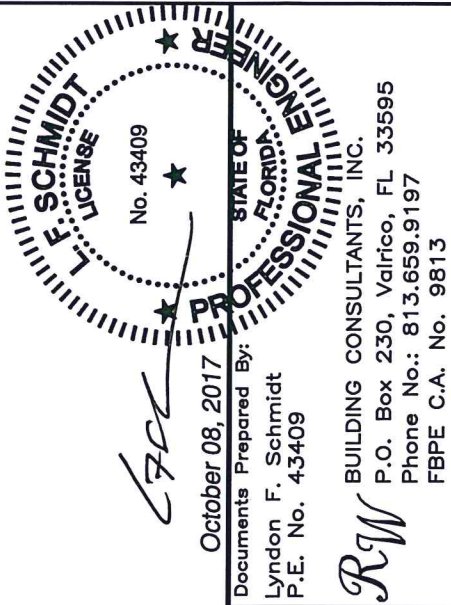
1. This product has been evaluated and is in compliance with the 6th Edition (2017) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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



MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)		WHERE WATER INFILTRATION IS NOT REQUIRED	
			POSITIVE	NEGATIVE		
36.0" X 60.0"	33.5" X 28.31"	G1	+25.0	-50.0	+50.0	-50.0
48.0" X 28.0"	45.5" X 12.31"	G1	+25.0	-25.0	+50.0	-50.0
44.0" X 75.0"	41.5" X 35.81"	G2	+25.0	-25.0	+25.0	-25.0

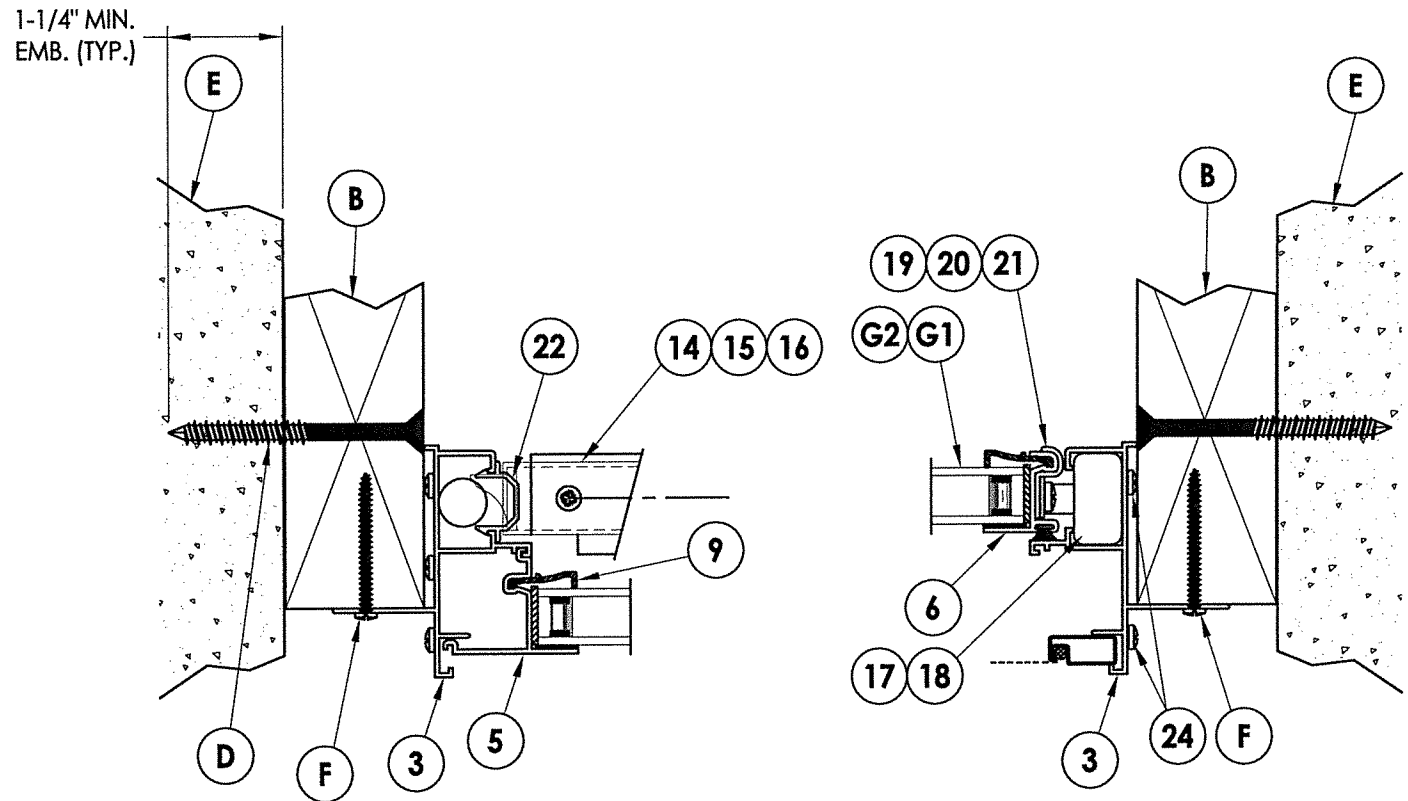
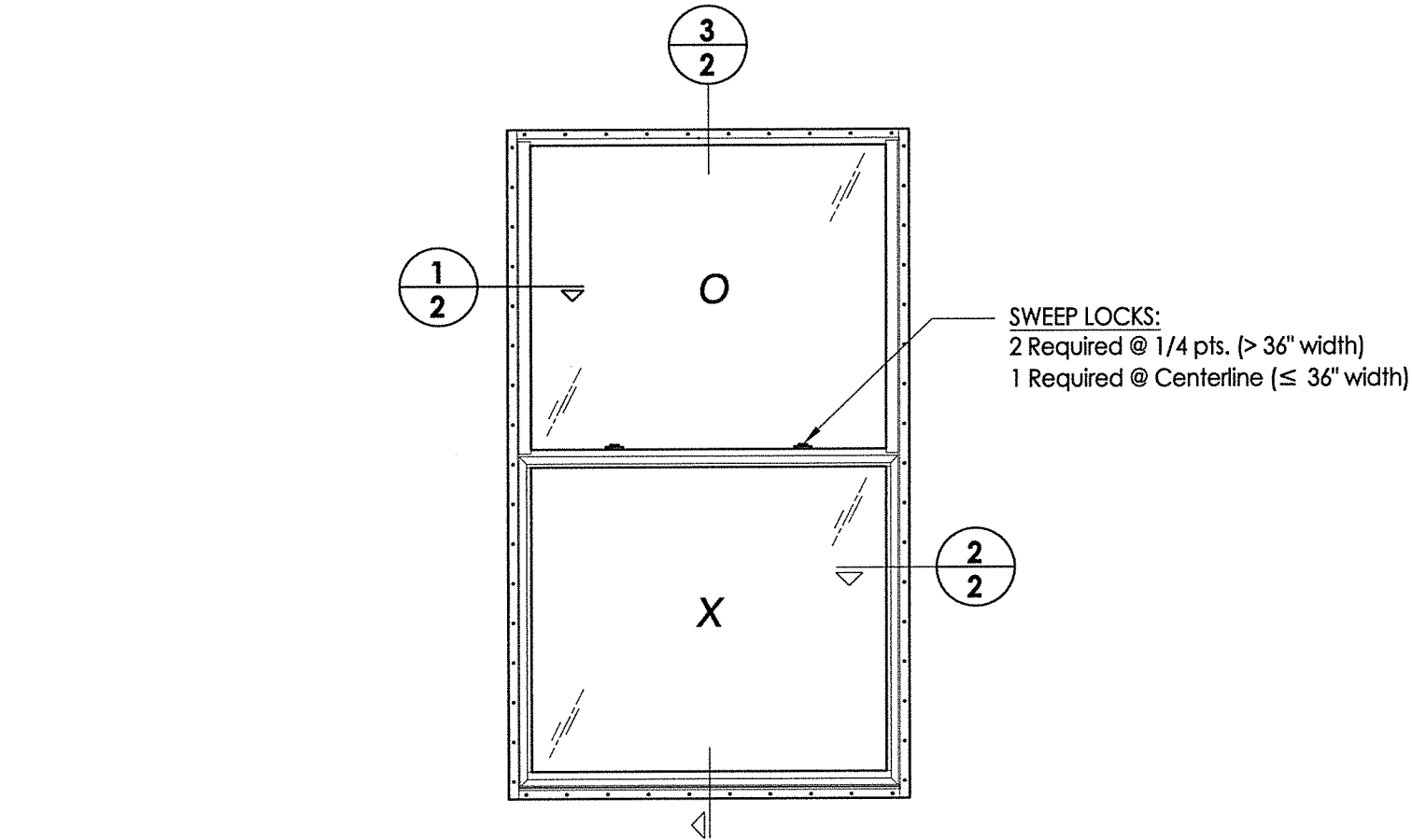
NOTE: Maximum frame height and width occur on separate units.



October 08, 2017
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

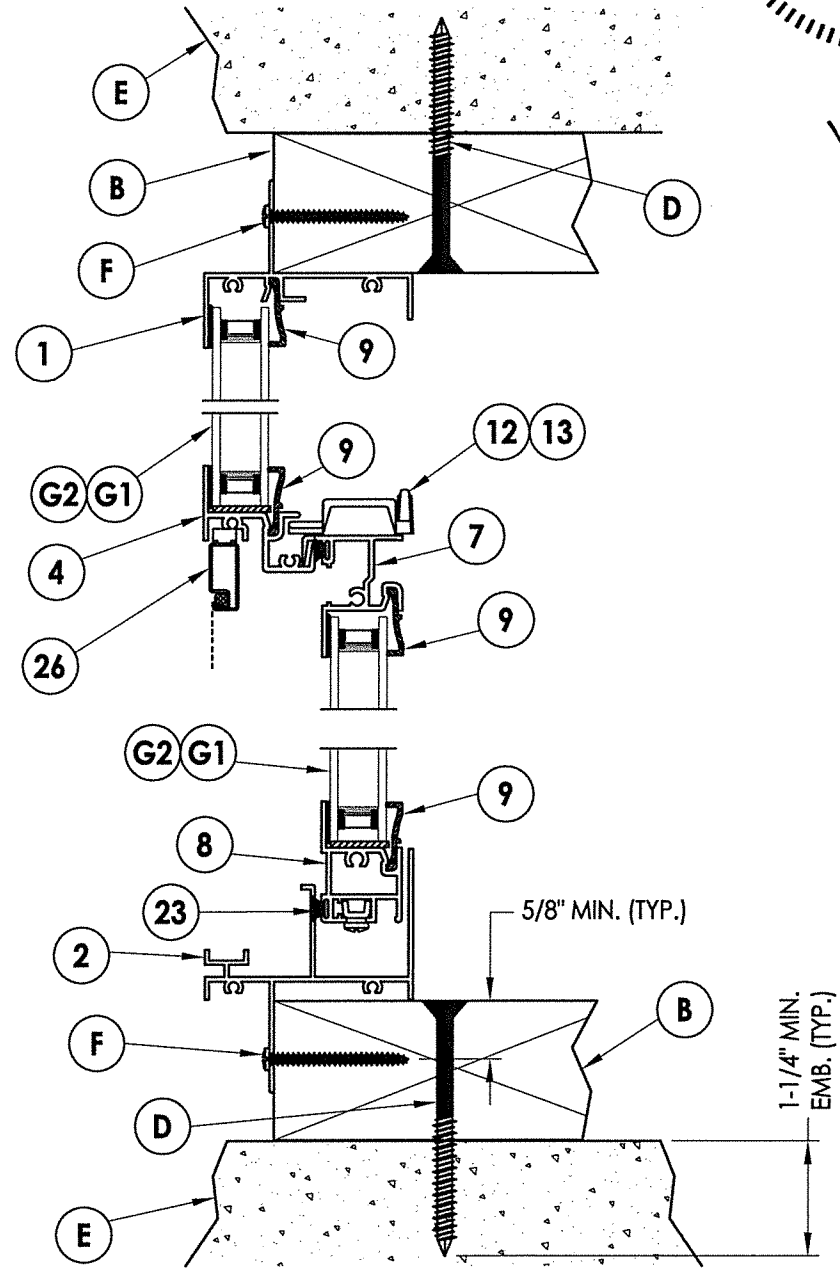
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		Aluminum Single Hung Window	
PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
NO.	DATE	REVISIONS	
2	10/08/17	UPDATE TO 6TH ED. (2017) FBC	JK
1	2/23/15	UPDATE TO 5TH ED. (2014) FBC	JK
DATE:		3/18/13	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-16259.1	
SHEET		1 OF 6	

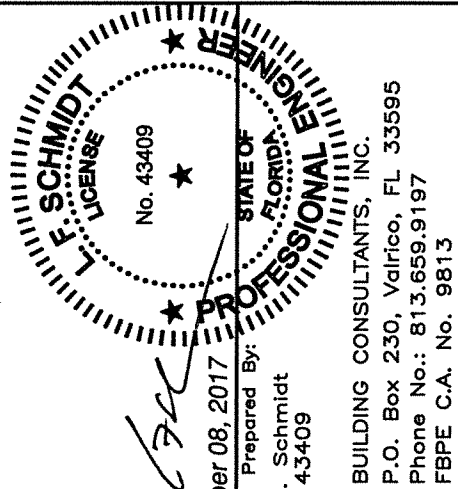


1 HORIZONTAL CROSS SECTION
2 2X Buck (Masonry)

2 HORIZONTAL CROSS SECTION
2 2X Buck (Masonry)



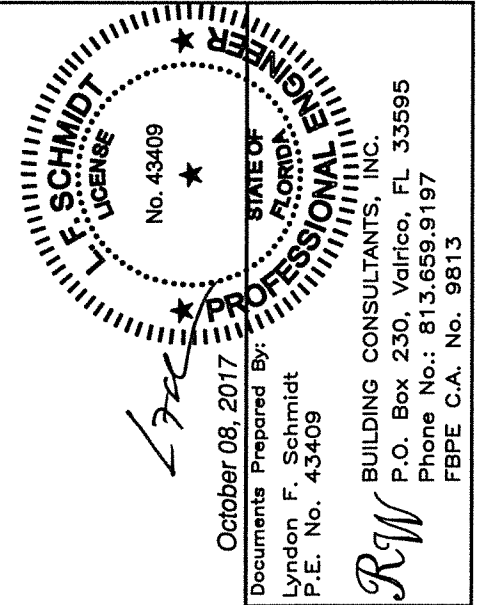
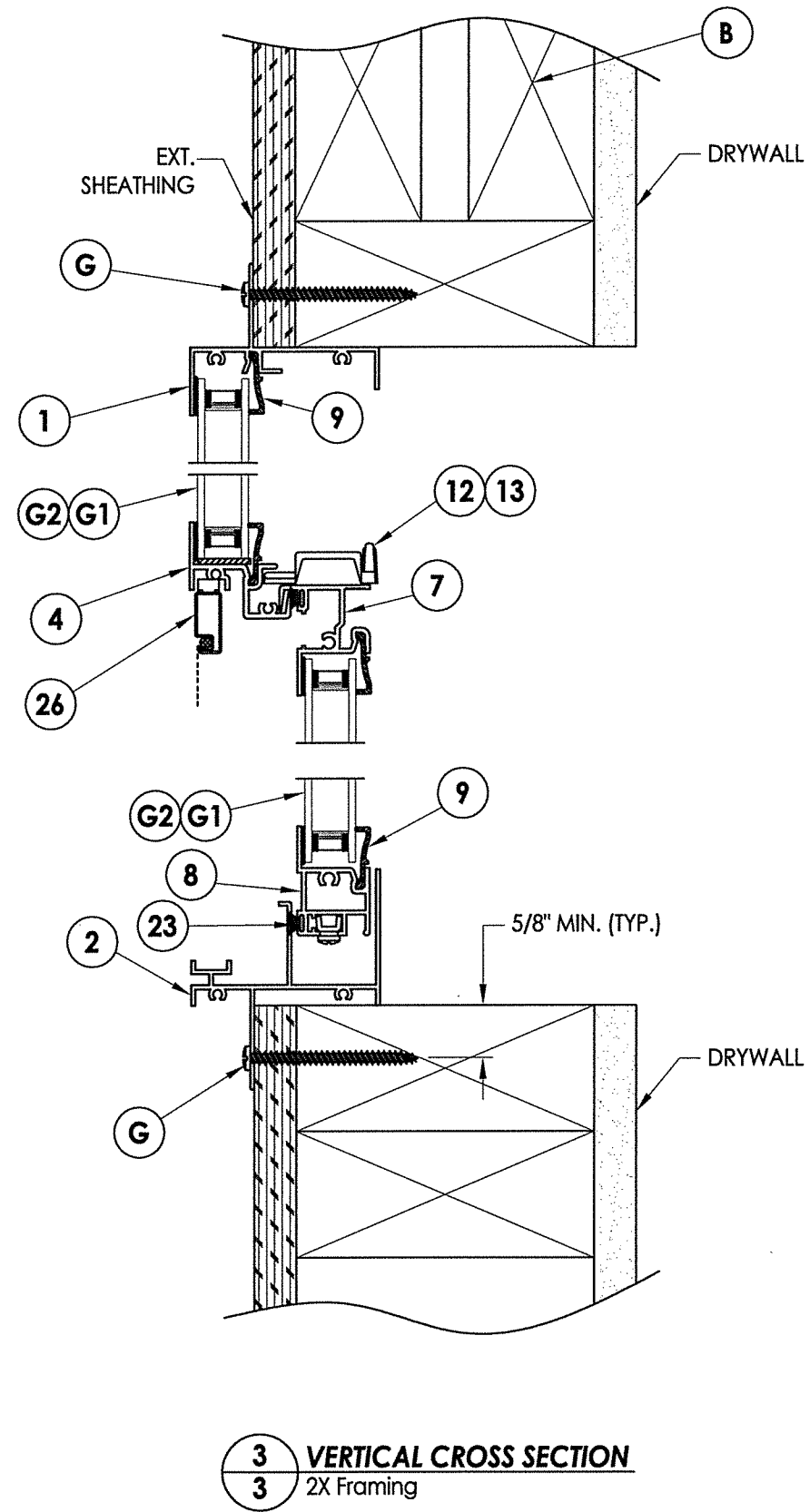
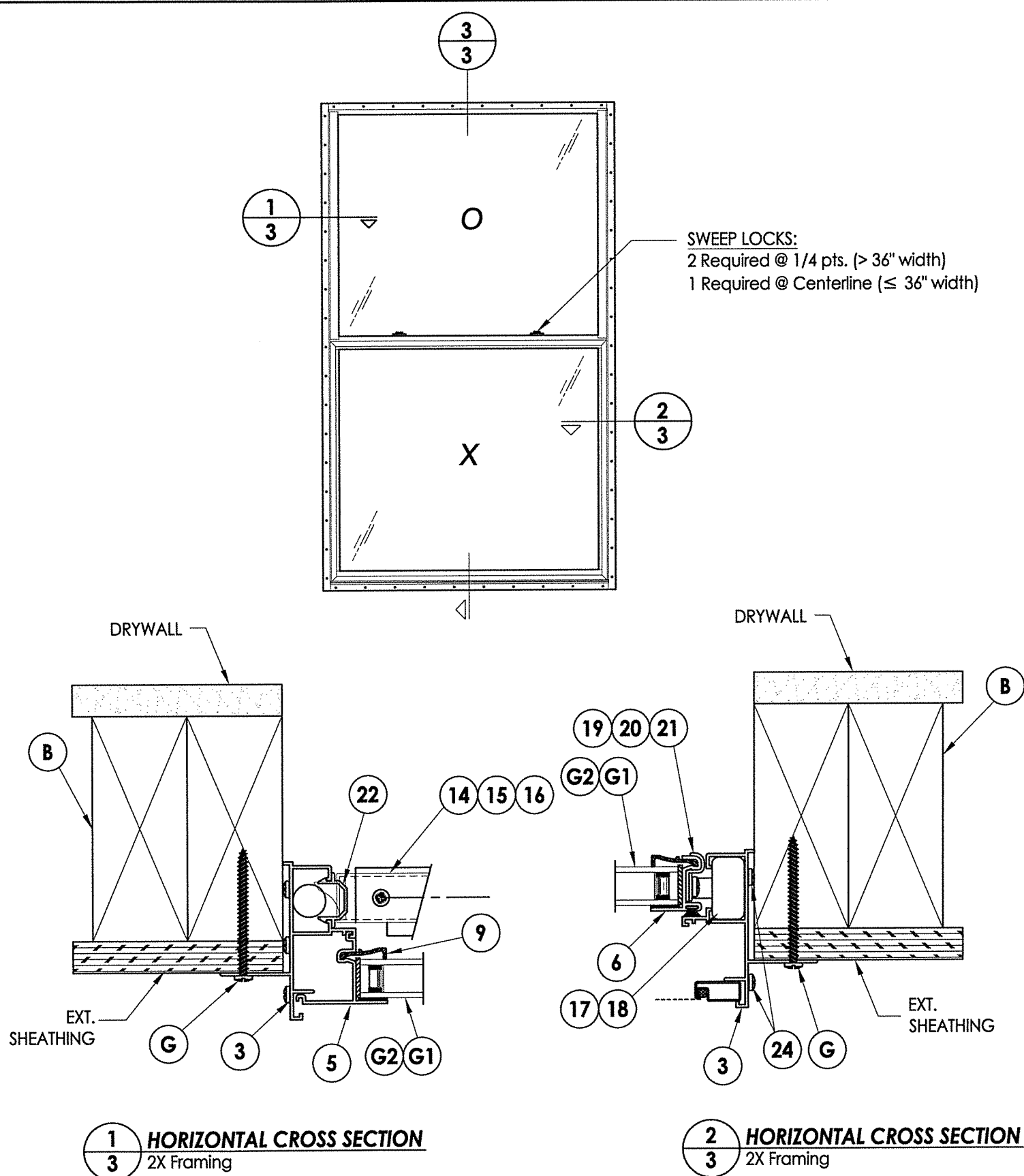
3 VERTICAL CROSS SECTION
2 2X Buck (Masonry)



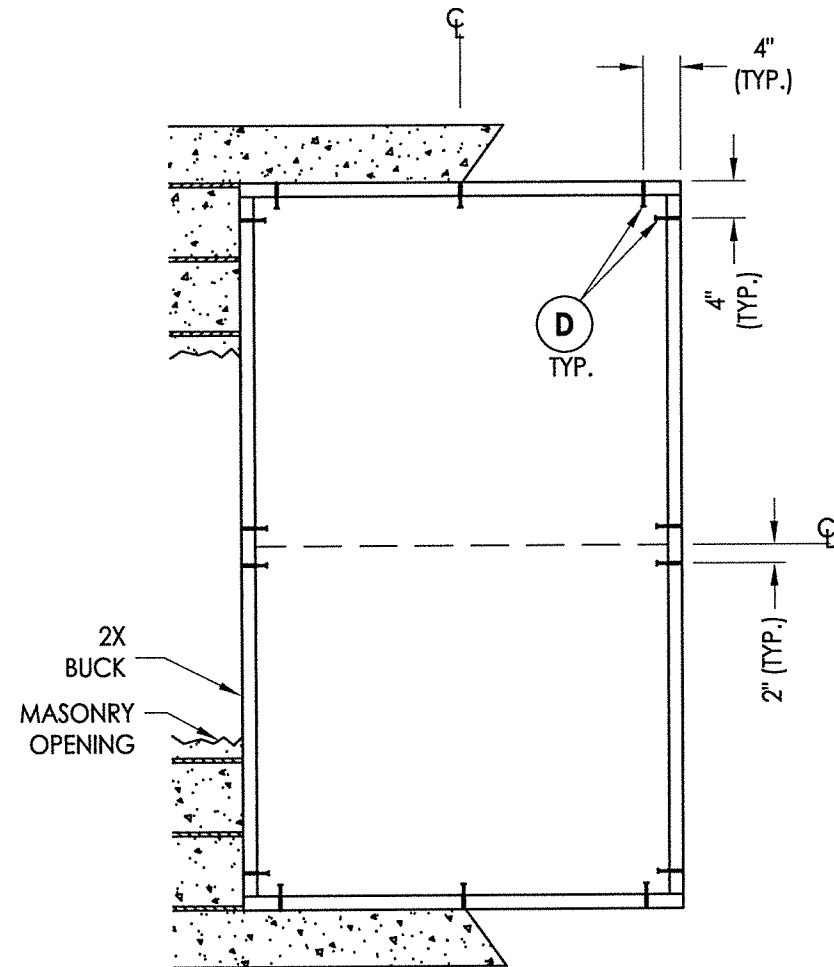
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P.E. No. 43409
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		PART OR ASSEMBLY:	
Aluminum Single Hung Window		HORIZONTAL AND VERTICAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
2	10/08/17	JK	UPDATE TO 6TH ED. (2017) FBC
1	2/23/15	JK	UPDATE TO 5TH ED. (2014) FBC
1	DATE	BY	

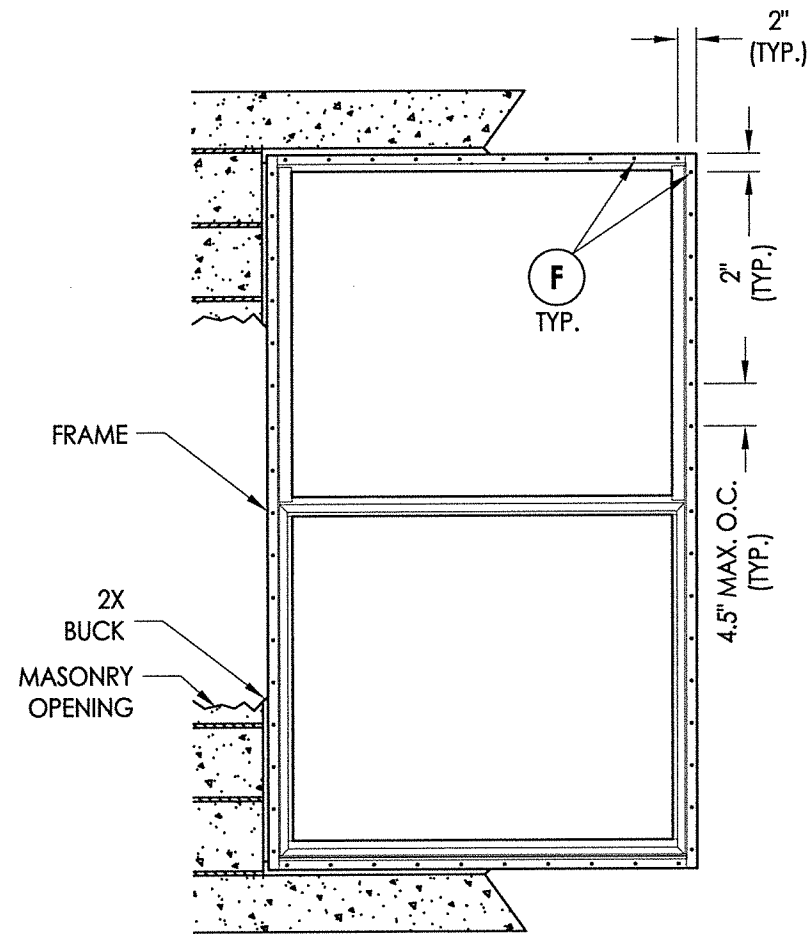
DATE: 3/18/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16259.1
SHEET 2 OF 6



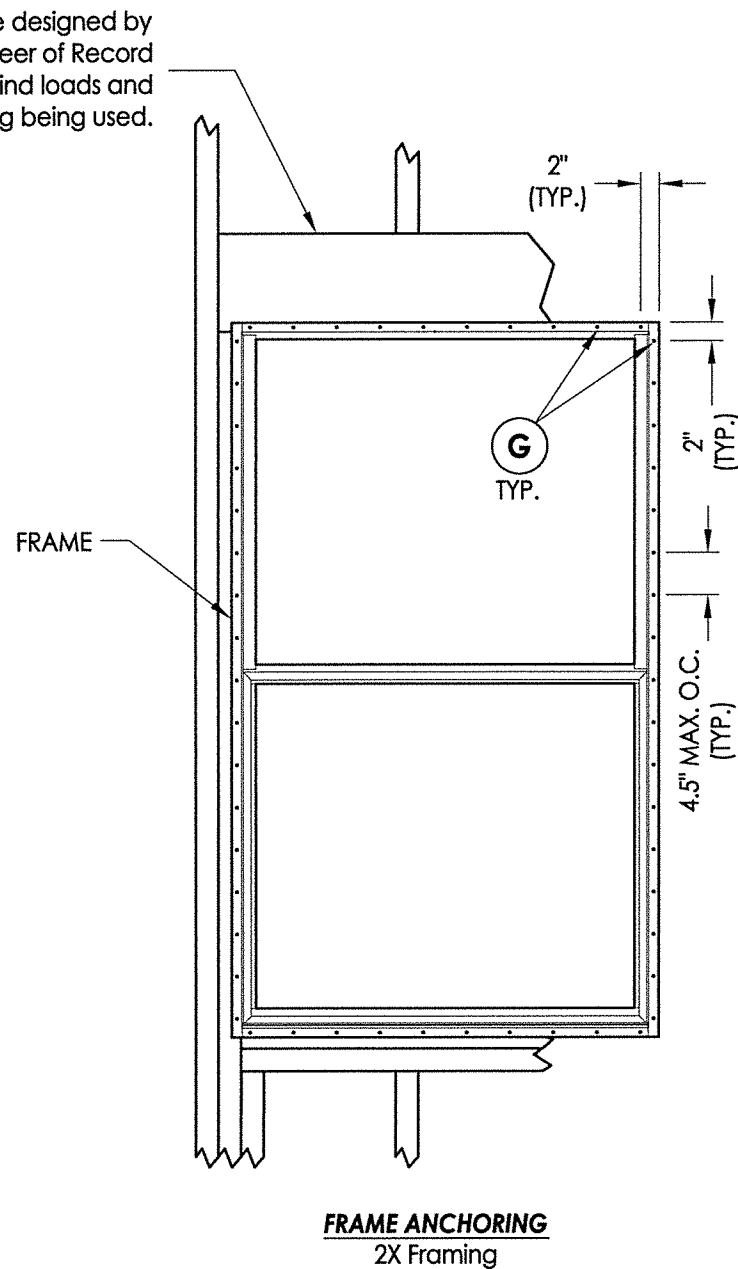
PRODUCT:		Aluminum Single Hung Window	
PART OR ASSEMBLY:		HORIZONTAL AND VERTICAL CROSS SECTIONS	
DATE: 3/18/13		REVISIONS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16259.1			
SHEET 3 OF 6			



BUCK ANCHORING



FRAME ANCHORING
2X Buck (Masonry)



FRAME ANCHORING
2X Framing

2X Framing to be designed by
Architect or Engineer of Record
based on wind loads and
the cladding being used.

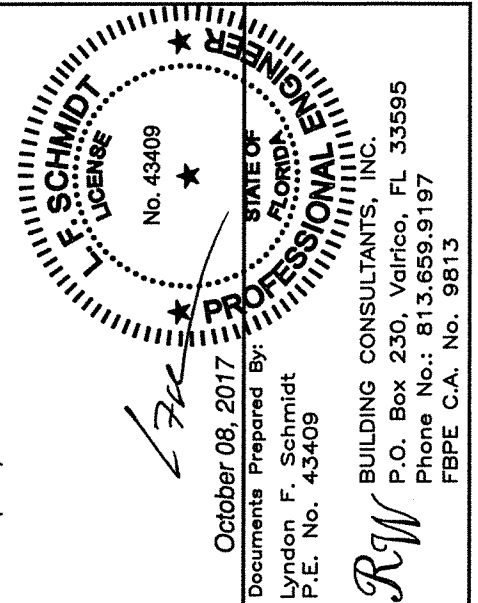
CONCRETE ANCHOR NOTES:

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.



PRODUCT:		Aluminum Single Hung Window	
PART OR ASSEMBLY:		BUCK AND FRAME ANCHORING	
</			

Technical drawing of a mechanical part, likely a bracket or support. The drawing shows a side view with the following dimensions:

- Overall width: 2.25"
- Width of the central vertical section: 0.05"
- Height of the central vertical section: 1.62"
- Overall height: 2.62"

The part features a horizontal base with a vertical section in the center. The central vertical section has a small horizontal flange at the top. The base has a small horizontal flange on the left side. The drawing is a line drawing with no shading.

Technical drawing of a stepped shaft. The total length is 2.25". The diameter of the main section is 1". A fillet with a radius of 0.05" is shown at the transition between the two sections.

Technical drawing of a stepped profile. The drawing shows a cross-section with a total width of 1.45 inches. The height of the profile is 1.14 inches. A central step has a width of 0.05 inches.

Technical drawing of a component with the following dimensions:

- Width: 0.81"
- Thickness: 0.055"
- Length: 0.87"

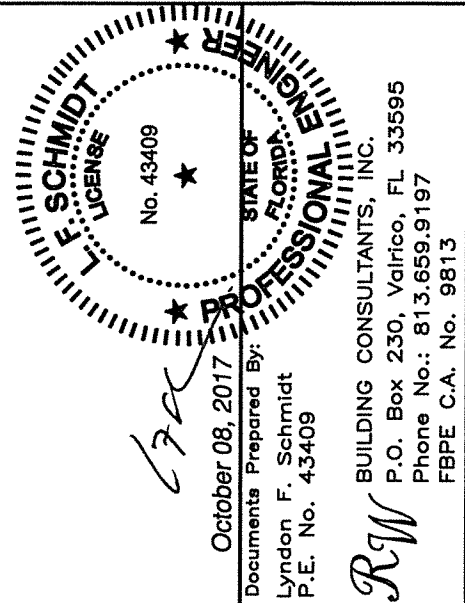
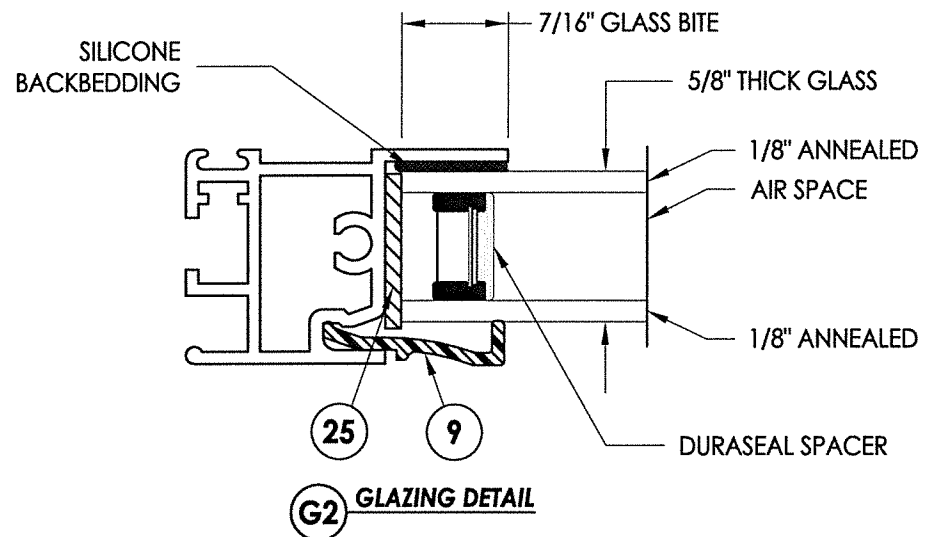
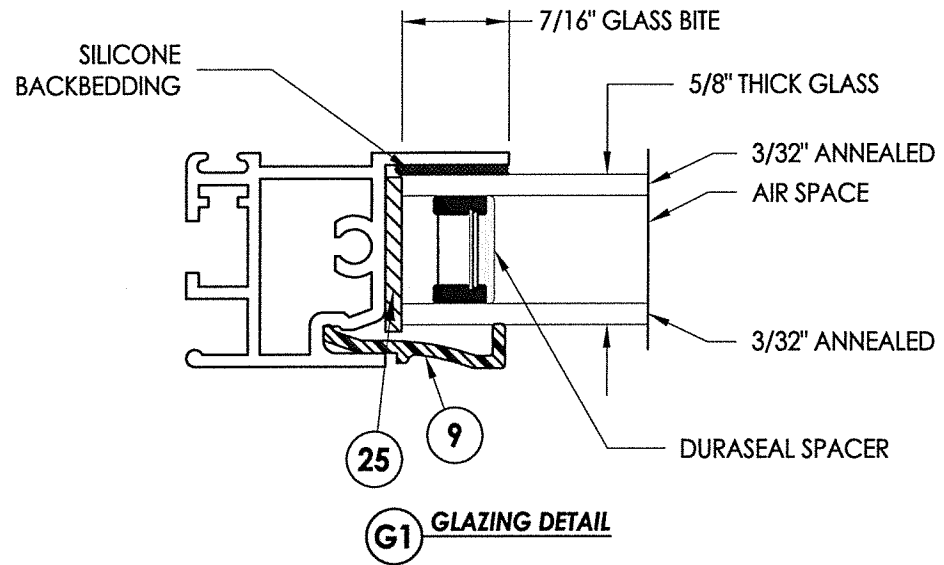
The seal is circular with a double-lined border. The outer border contains the text "L. F. SCHMIDT" on the left and "PROFESSIONAL ENGINEER" on the right, separated by two stars. The inner border contains the text "LICENSE" on the left and "STATE OF FLORIDA" on the right, also separated by two stars. In the center of the seal, the text "No. 43409" is displayed above a single star.



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DATE: 3/18/13		PRODUCT:		Aluminum Single Hung Window				
SCALE: N.T.S.								
DWG. BY: JK								
CHK. BY: LFS								
DRAWING NO.: FL-16259.1								
SHEET 5 OF 6		2	10/08/17	UPDATE TO 6TH ED. (2017)	FBC	JK	PART OR ASSEMBLY:	COMPONENTS
		1	2/23/15	UPDATE TO 5TH ED. (2014)	FBC	JK		
		NO.	DATE	REVISIONS				

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK SG >= 0.42	WOOD
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	#8 X 1-1/2" PPH WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
G	#8 X 2" PPH WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
1	FRAME HEAD	6063-T5 ALUM
2	FRAME SILL	6063-T5 ALUM
3	FRAME JAMBS	6063-T5 ALUM
4	FRAME MEETING RAIL	6063-T5 ALUM
5	FRAME FIXED ADAPTER	6063-T5 ALUM
6	SASH SIDE RAILS	6063-T5 ALUM
7	SASH MEETING RAIL	6063-T5 ALUM
8	SASH BOTTOM RAIL	6063-T5 ALUM
9	GLAZING BEAD - PVC	PVC
12	SWEEP LOCK	-
13	#8 x 3/4" PPH SMS	STEEL
14	LH TILT LATCH	-
15	RH TILT LATCH	-
16	#6 x 5/8" PPH SMS	STEEL
17	PIVOT SHOE	-
18	PIVOT BARS w/SCREWS	ALUM
19	SASH GLIDES	-
20	#8 FLAT WASHER	STEEL
21	#8 x 5/8" PPH SMS	STEEL
22	SASH STOPS @ 4"	STEEL
23	FIN WEATHERSTRIP 18018758BKWF	STEEL
24	#6 x 5/8" PPH SMS	STEEL
25	SETTING BLOCKS 1/16" x 1" NEOP	-
26	SCREEN ASSY	-



DATE: 3/18/13		PRODUCT:		Aluminum Single Hung Window
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-16259.1		PART OR ASSEMBLY:		BILL OF MATERIALS & GLAZING DETAILS
SHEET 6 OF 6	NO. DATE		REVISONS	
	2	10/08/17	UPDATE TO 6TH ED. (2017)	JK
	1	2/23/15	UPDATE TO 5TH ED. (2014)	JK
	NO.	DATE		BY