

SERIES 0171
PVC CASEMENT WINDOW
w/ NAILING FIN
"NON-IMPACT"

GENERAL NOTES

1.

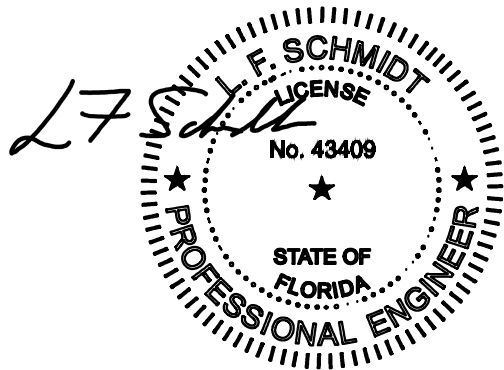
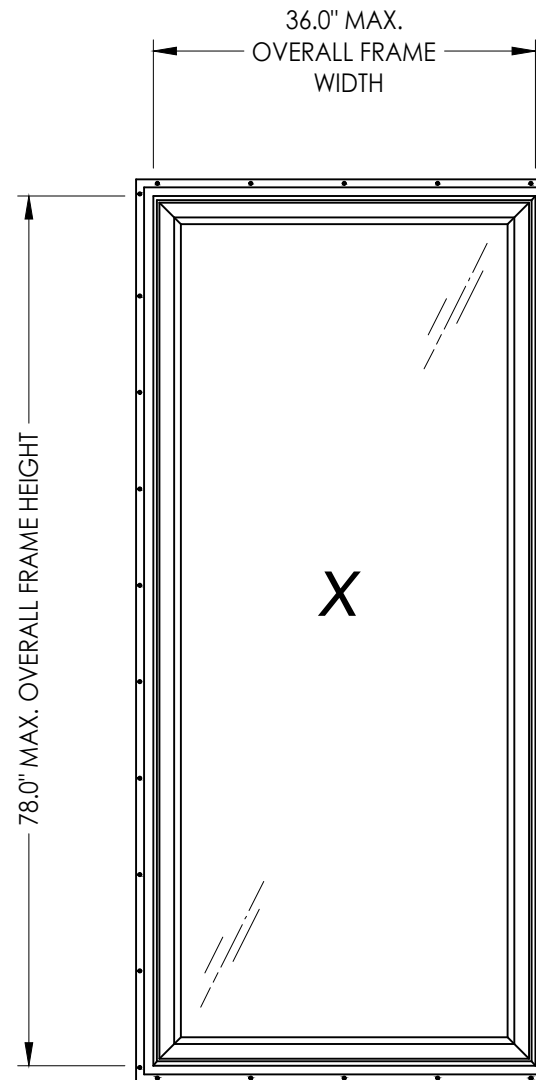
This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2.

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.

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	Bill of materials, glazing detail and components



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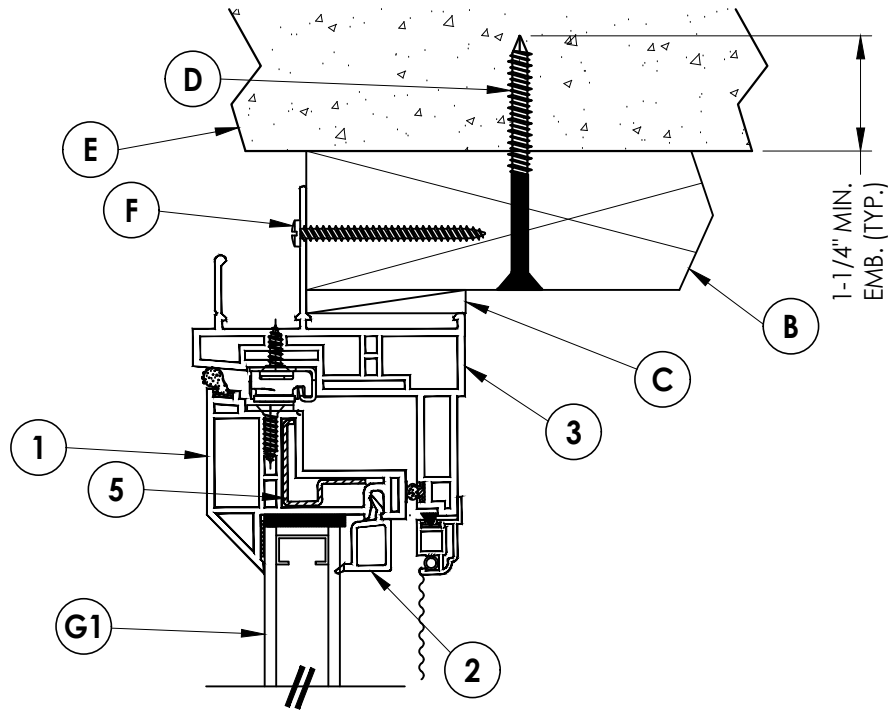
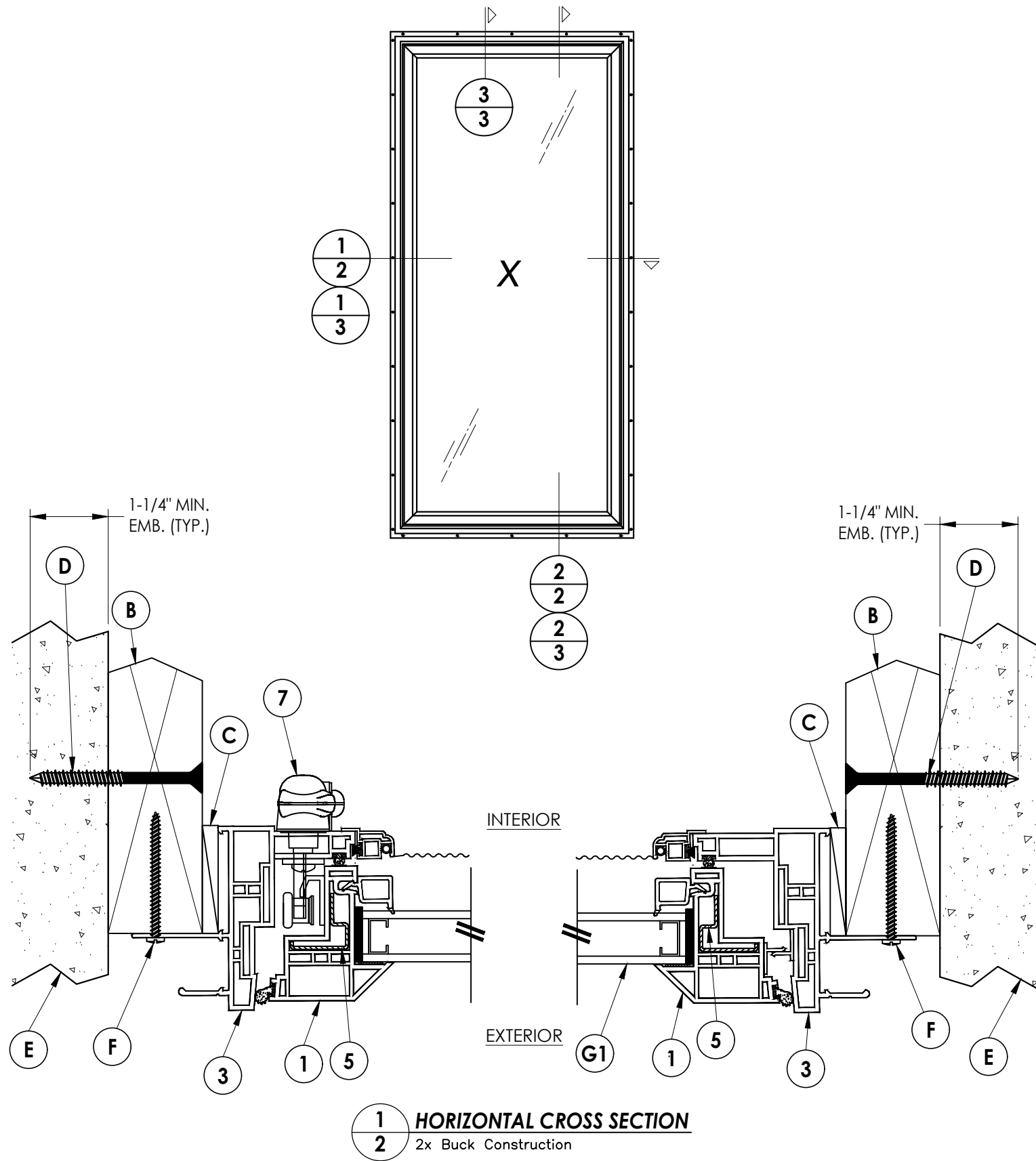
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	OVERALL DAY LIGHT DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POS.	NEG.
38.74" X 80.74"	36.0" x 78.0"	30.38" x 72.38"	G1	+30.0	-30.0
38.74" X 62.74"	36.0" x 60.0"	30.38" x 54.38"	G1	+40.0	-40.0
26.74" X 50.74"	24.0" x 48.0"	18.38" x 42.38"	G1	+55.0	-70.0

PRODUCT:		CASEMENT WINDOW		PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
5	7/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	DAC	LFS	JK
4	8/19/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	DAC	LFS	JK
3	8/02/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	DAC	LFS	JK
2	4/15/15	UPDATE TO 5TH ED. (2014)	FBC	LFS	DAC	LFS	JK
1	06/02/11	UPDATED FOR 2010	FBC	LFS	DAC	LFS	JK
NO.		DATE		BY		REVISIONS	
DATE:		1/5/09		SCALE:		N.T.S.	
DWG. BY:		JK		CHK. BY:		LFS	
DRAWING NO.:		FL-11907.1		SHEET		1 OF 5	

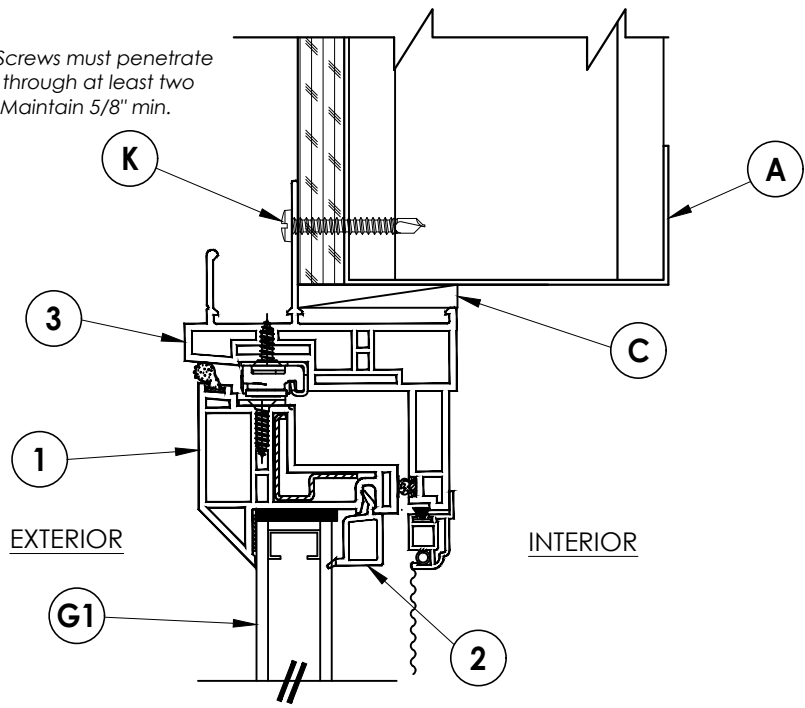
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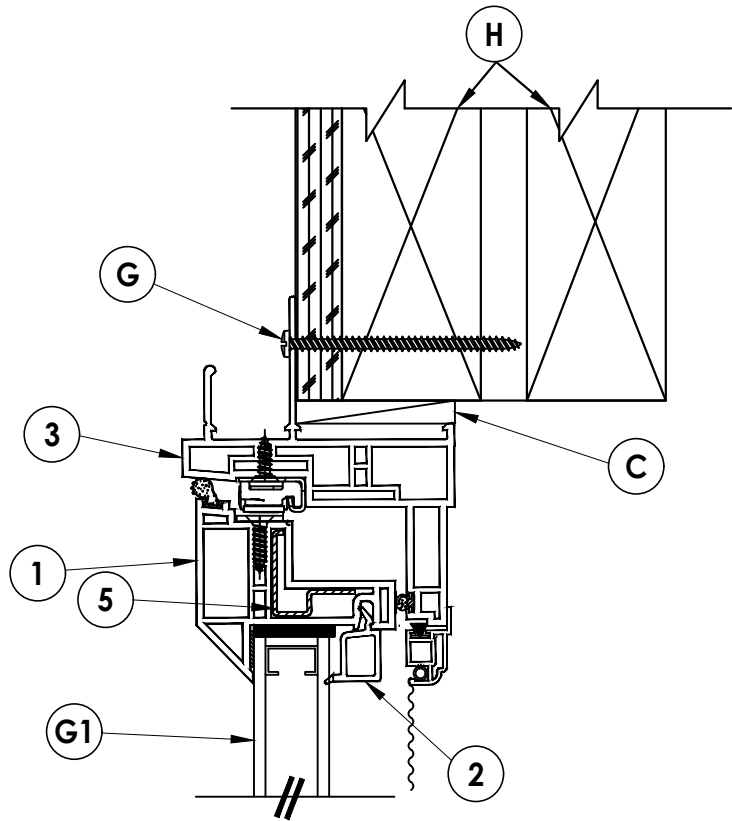
PRODUCT:		CASEMENT WINDOW		PART OR ASSEMBLY:	
Documents Prepared By:		CASEMENT WINDOW		VERTICAL & HORIZONTAL CROSS SECTIONS	
Lyndon F. Schmidt		P.E. No. 43409		R.W. BUILDING CONSULTANTS, INC.	
P.O. Box 230, Valrico, FL 33595		Phone No.: 813.659.9197		FBPE Registry No. 9813	
DATE:		1/5/09		REVISIONS	
SCALE:		N.T.S.			
DWG. BY:		JK			
CHK. BY:		LFS			
DRAWING NO.:		FL-11907.1			
SHEET		2		OF 5	

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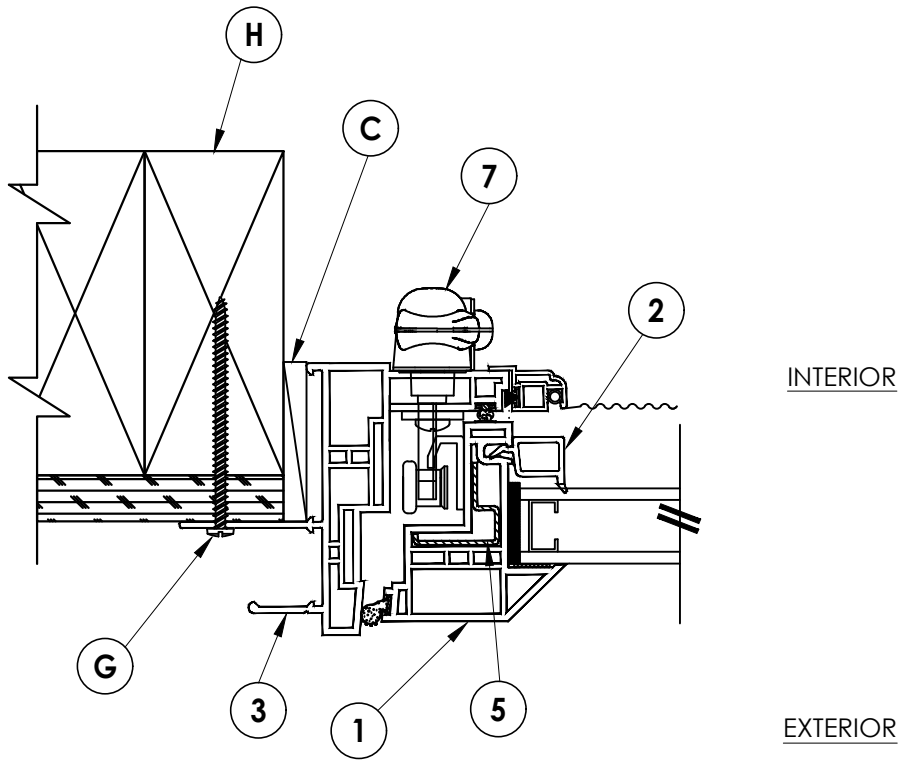
NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal. Maintain 5/8" min. edge distance.



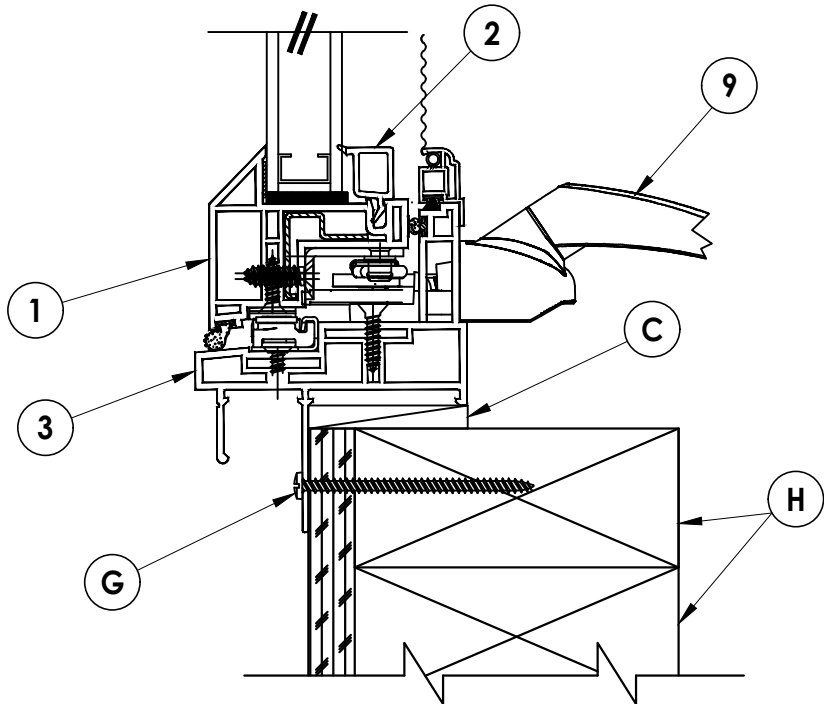
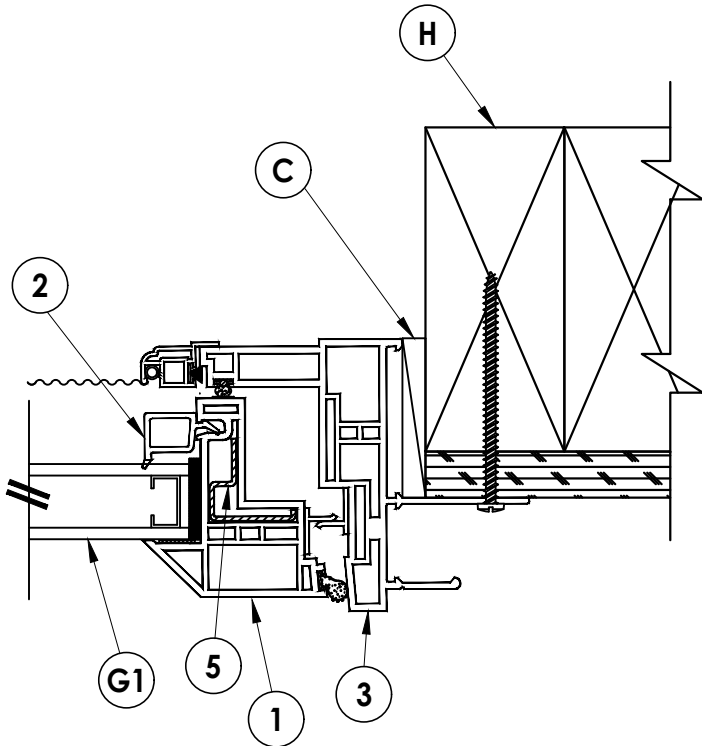
3 HORIZONTAL CROSS SECTION
3 Shown w/ Steel Stud framing option



EXTERIOR INTERIOR



1 HORIZONTAL CROSS SECTION
3 2x Stud Construction



2 VERTICAL CROSS SECTION
3 2x Stud Construction

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: CASEMENT WINDOW
PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS			
		LFS	JK	LFS	BY
5	7/17/23	UPDATE TO 8TH ED. (2023)	FBC		
4	8/19/20	UPDATE TO 7TH ED. (2020)	FBC		
3	8/02/17	UPDATE TO 6TH ED. (2017)	FBC		
2	4/15/15	UPDATE TO 5TH ED. (2014)	FBC		
1	06/02/11	UPDATED TO 2010 FBC			

DATE: 1/5/09

SCALE: N.T.S.

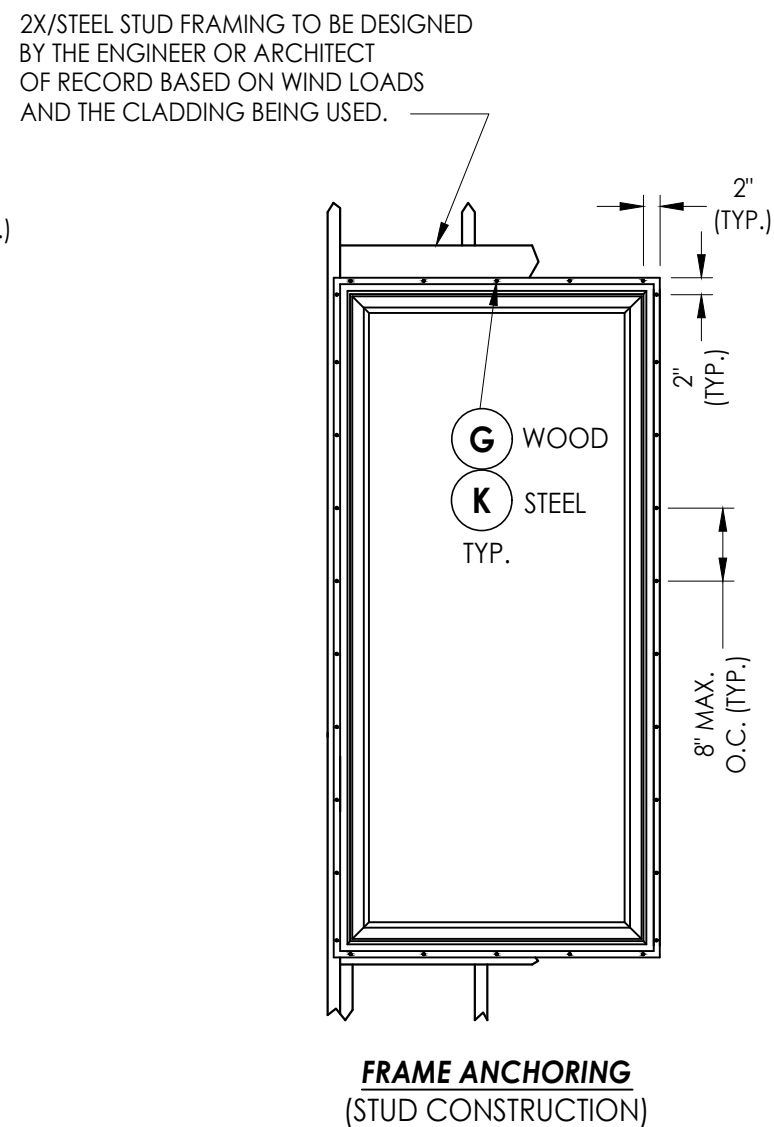
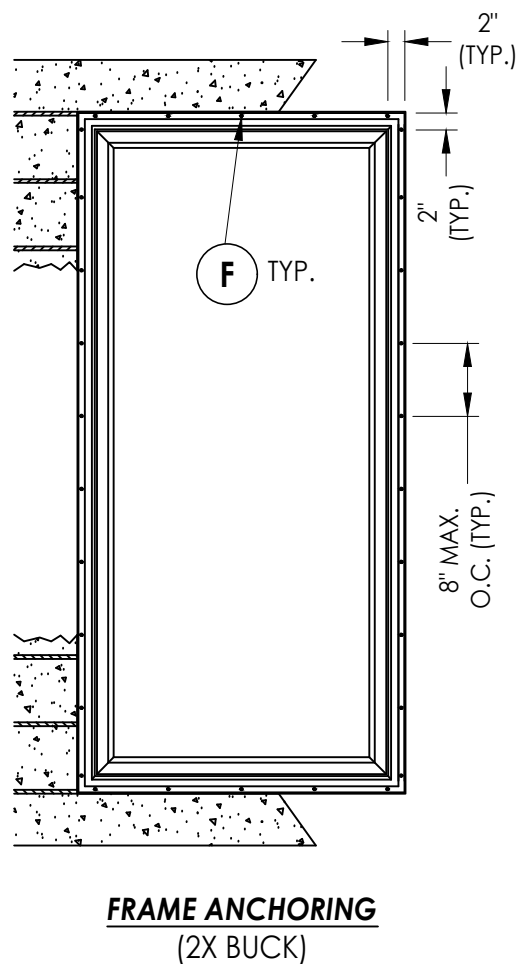
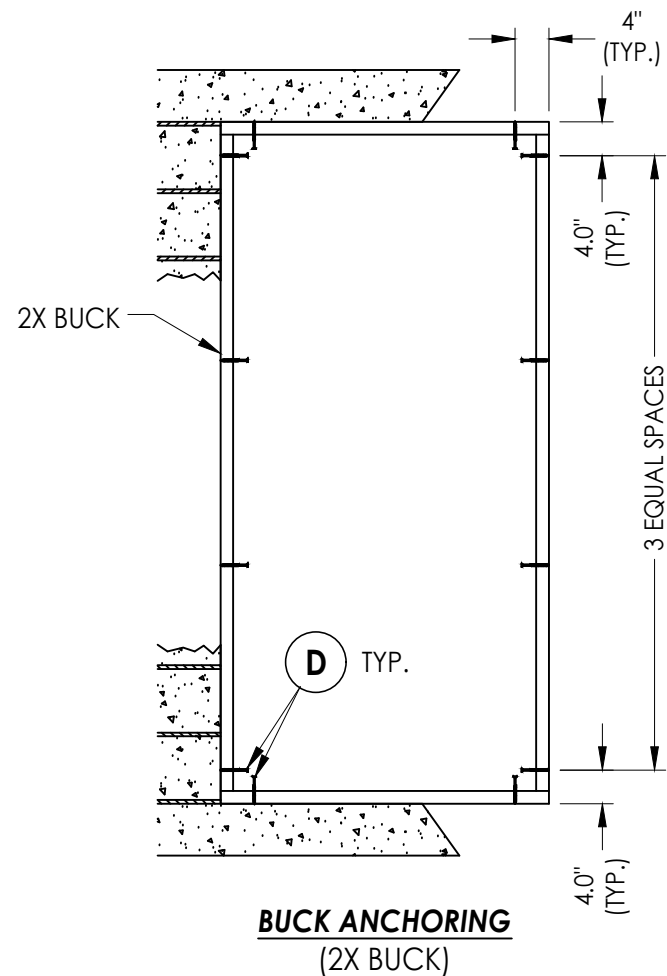
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CHK. BY: LFS

DRAWING NO.:

FL-11907.1

SHEET 3 OF 5



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"
DeWALT 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.

2X/STEEL STUD FRAMING TO BE DESIGNED
BY THE ENGINEER OR ARCHITECT
OF RECORD BASED ON WIND LOADS
AND THE CLADDING BEING USED. _____

FRAME ANCHORING NOTES (2x Buck/Wood Stud Construction):

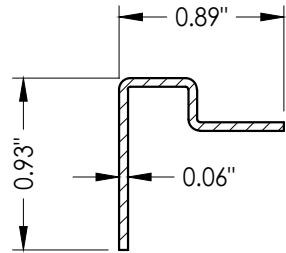
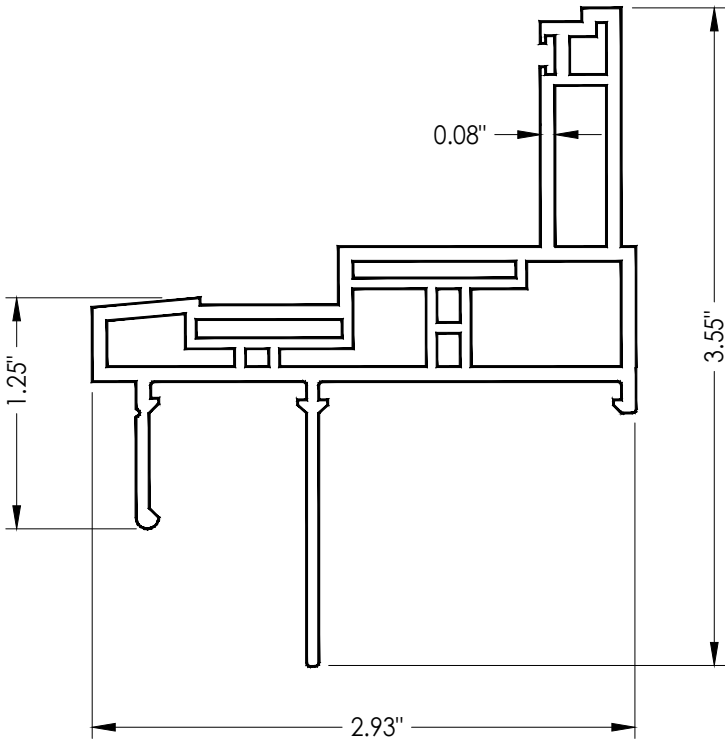
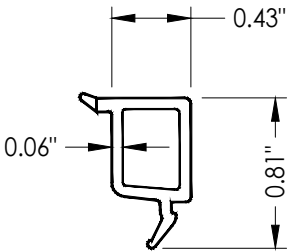
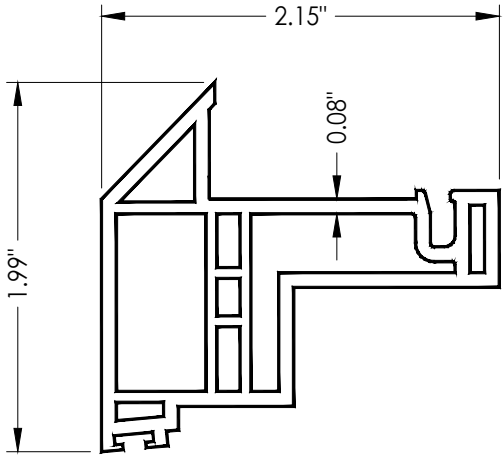
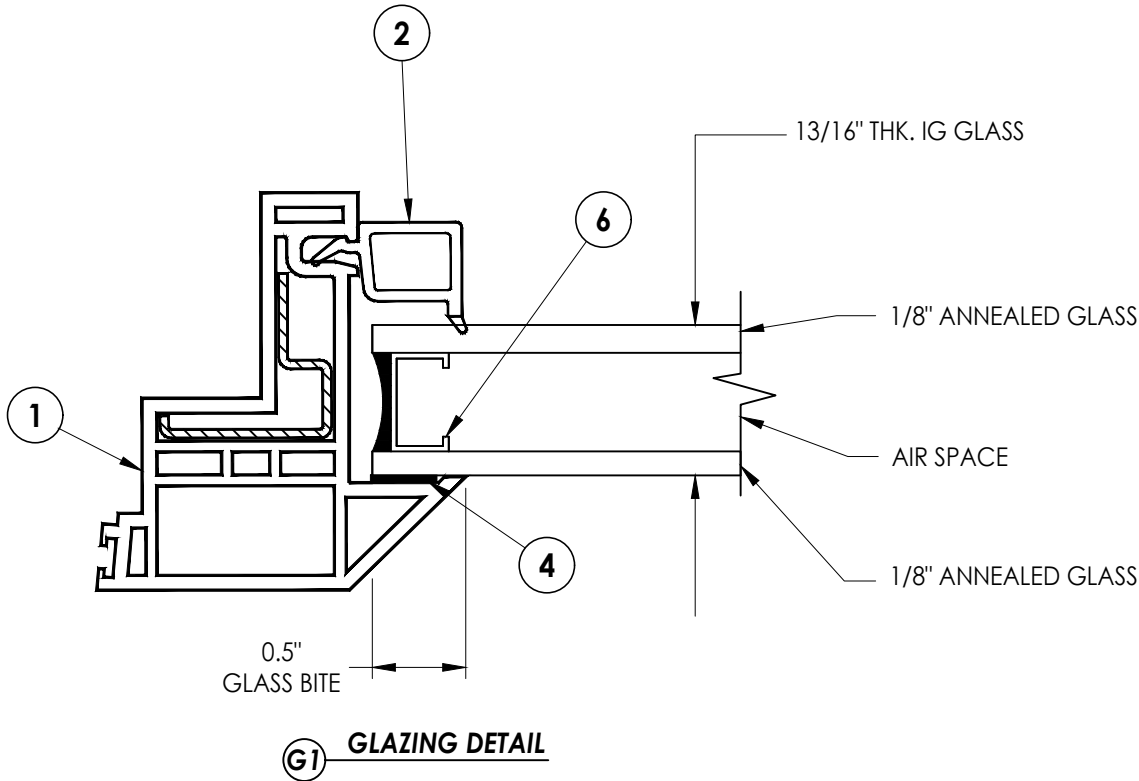
1. Bar guides are secured w/(1) item #F in the top screw location & (1) item #13 in the lower screw location, in each guide.
2. Tie bar guides (4) are located 4", 26", 48" & 70" (Max. 22" O.C.) from the bottom of the frame. For 60" (or less) frame heights, only (3) bar guides are required.
3. Snubbers are secured w/(1) item #F in the top screw location & (1) item #12 in the lower screw location, in each snubber.
4. Snubbers are located at 1/4 points and at mid-span from the bottom of the frame.
5. For Steel Stud Construction: Substitute a #10 self-drilling SMS for item #F and items #12 & 13 as applicable. Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal. Maintain 5/8" min. edge distance.

		PRODUCT: CASEMENT WINDOW	PART OR ASSEMBLY: BUCK & FRAME ANCHORING	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
	7/17/23 8/19/20 8/02/17 4/15/15 06/02/11 NO. DATE	UPDATE TO 8TH ED. (2023) FBC UPDATE TO 7TH ED. (2020) FBC UPDATE TO 6TH ED. (2017) FBC UPDATE TO 5TH ED. (2014) FBC UPDATED TO 2010 FBC	LFS DAC LFS JK LFS BY	REVISIONS
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SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
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SHEET 4 OF 5				

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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
B	2X BUCK (G >= 0.42)	WOOD
C	MAX. 1/4" SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT 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 2" PFH SMS (1-3/4" MIN. EMBEDMENT)	STEEL
G	#8 x 2-1/2" PFH SMS (1-3/4" MIN. EMBEDMENT)	STEEL
H	2X FRAMING (G >= 0.42)	STEEL
K	#10 x 1-1/2" PPH SELF-DRILLING SMS	STEEL
1	EXTRUDED SASH VINYL FRAME *	RIGID PVC
2	GLAZING BEAD * (VEKA BV46)	RIGID PVC
3	EXTRUDED VINYL MAIN FRAME *	RIGID PVC
4	DOUBLE SIDED ADHESIVE GLAZING TAPE	-
5	SASH REINFORCEMENT (3205)	GALV. STEEL
6	STEEL INTERCEPT SPACER	STEEL
7	LOCK HANDLE w/ GASKET (24.33.32.002) (TRUTH)	-
8	TIE BAR (1190X.92) (TRUTH)	STEEL
9	OPERATOR HANDLE (11454) (TRUTH)	-
10	TIE BAR GUIDE (US-027000) (ASHLAND)	PVC
11	SNUBBER (ASHLAND) (US-311200)	STEEL
12	SNUBBER SCREW #8 x 1/2" PPH SMS	S.S.
13	TIE BAR GUIDE SCREW #8 x 1" PPH SCREW	S.S.
14	KEEPER	-

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



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CHK. BY: LFS			
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SHEET 5 OF 5			