

G:\2023 FBC DRAWINGS\Associated Materials, Inc\FL-10465 R15\FL-10465.9.dwg



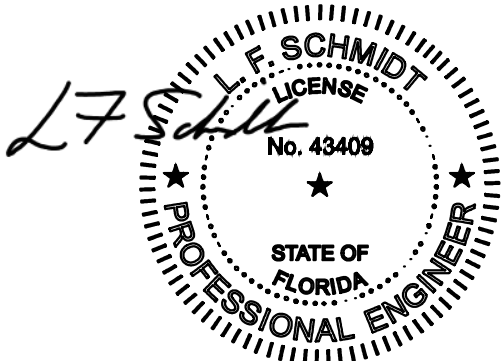
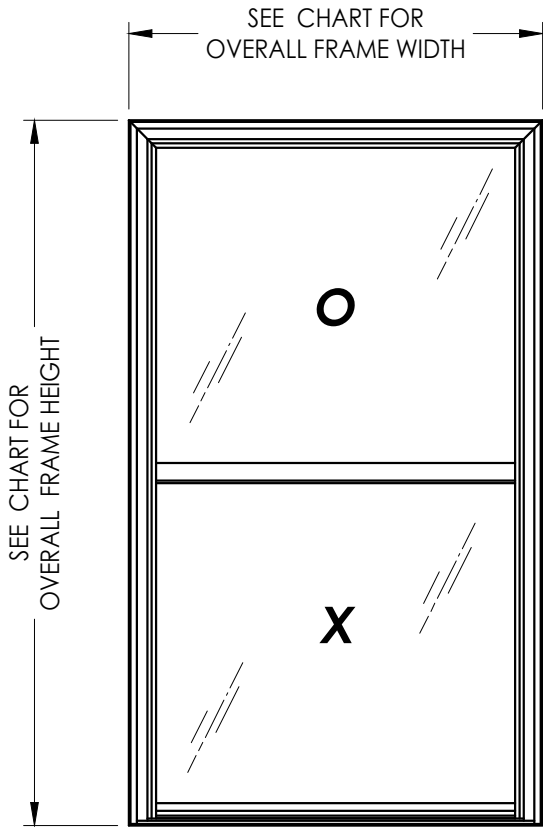
3773 STATE ROAD
CUYAHOGA FALLS, OH 44223

MODEL 03A0/03S0 "ST"
SINGLE HUNG "Replacement" WINDOW
"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. 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 & frame anchoring
5	Bill of materials, glazing detail and components



Digitally signed by Lyndon F Schmidt
Date: 2023.07.14 13:12:34 -04'00'

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

MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
52.0" X 96.0"	46.13" X 44.13"	G1	+15.0	-15.0
48.0" X 96.0"	42.13" X 44.13"	G1	+25.0	-25.0
40.0" X 96.0"	34.13" X 44.13"	G1	+35.0	-35.0
52.0" X 78.0"	46.13" X 35.13"	G1	+20.0	-20.0
44.0" X 78.0"	38.13" X 35.13"	G1	+30.0	-30.0
36.0" X 78.0"	30.13" X 35.13"	G1	+45.0	-45.0
44.0" X 75.0"	38.13" X 33.13"	G1	+30.0	-30.0
48.0" X 72.0"	42.13" X 32.13"	G2	+40.0	-40.0
36.0" X 72.0"	30.13" X 32.13"	G1	+50.0	-50.0
52.0" X 62.0"	46.13" X 27.13"	G1	+30.0	-30.0
48.0" X 60.0"	42.13" X 26.13"	G2	+45.0	-45.0
44.0" X 60.0"	38.13" X 26.13"	G1	+40.0	-40.0
36.0" X 60.0"	30.13" X 26.13"	G1	+50.0	-55.0

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

RW

PRODUCT: SINGLE HUNG WINDOW

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

8	7/14/23	UPDATE TO 8TH ED. (2023) FBC	LFS
7	8/18/20	UPDATE TO 7th ED. (2020) FBC	DAC
6	11/6/19	UPDATE FOR NEW TESTING	LFS
5	2/14/19	UPDATE FOR NEW TESTING	LFS
4	8/07/17	UPDATE TO 6TH ED. (2017) FBC	LFS
NO.	DATE		BY
		REVISIONS	

DATE: 12/20/13

SCALE: N.T.S.

DWG. BY: JK

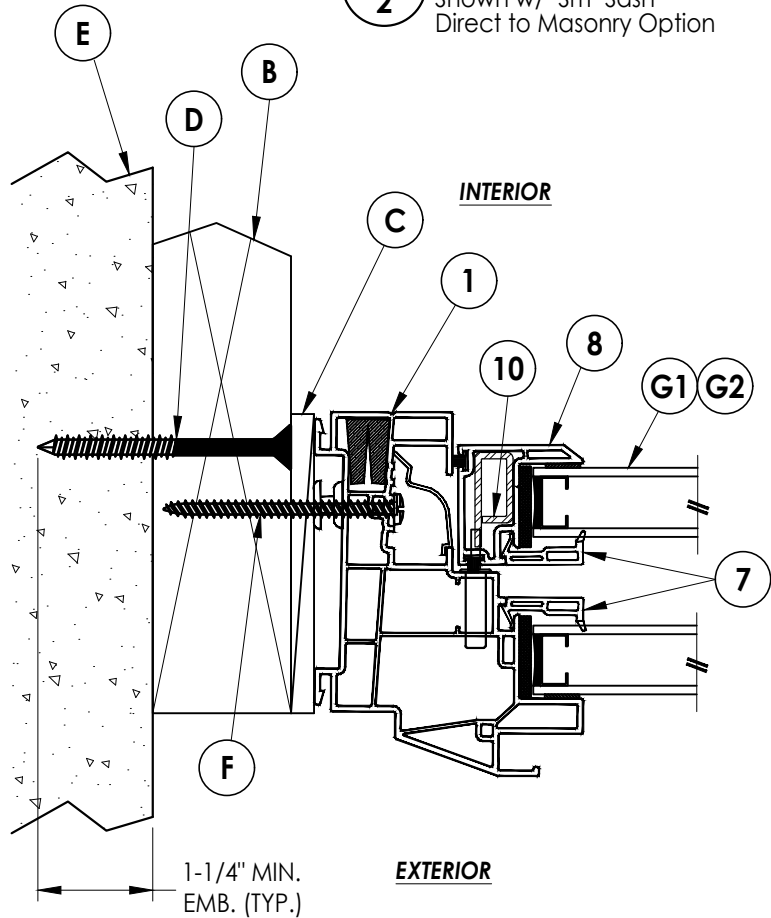
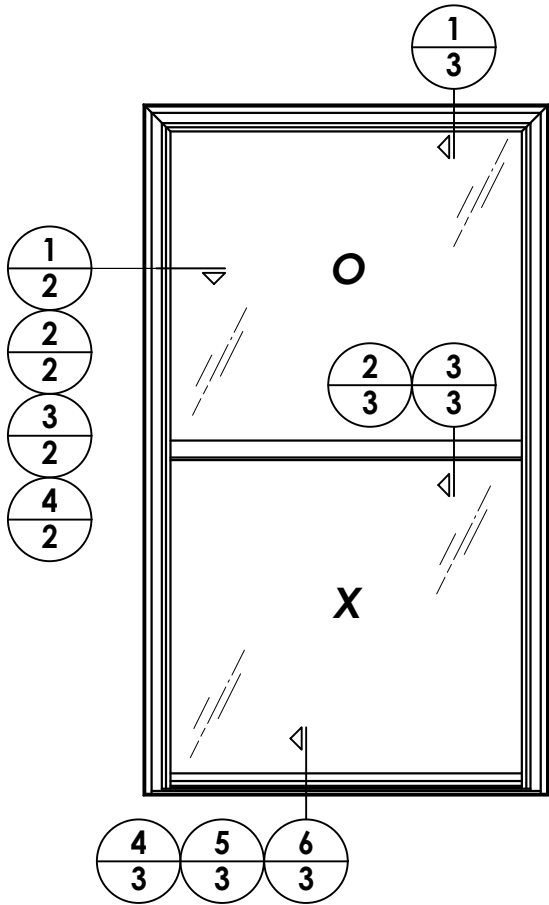
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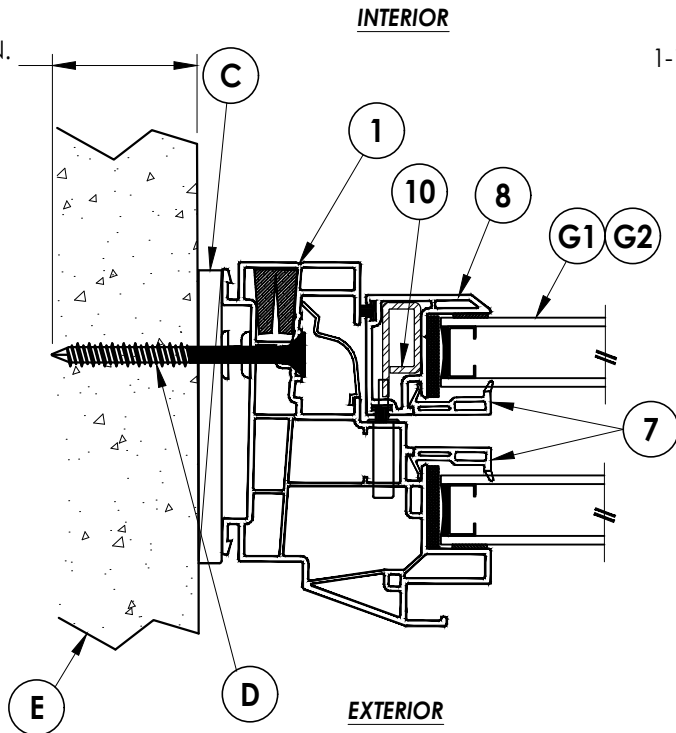
SHEET 1 OF 5

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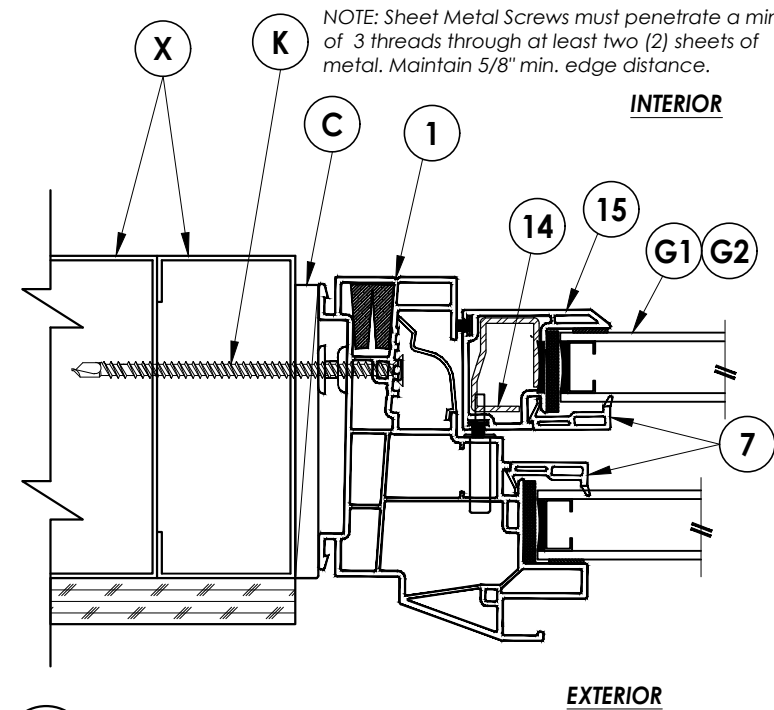
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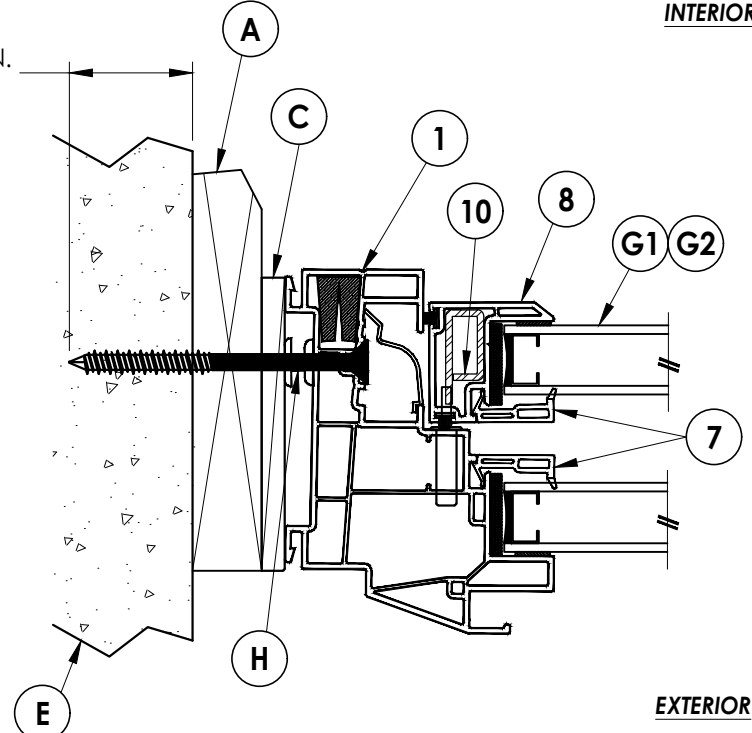
1
2 **HORIZONTAL CROSS SECTION**
Shown w/ "Sm" Sash
2X Buck Construction Option



4
2 **HORIZONTAL CROSS SECTION**
Shown w/ "Sm" Sash
Direct to Masonry Option



3
2 **HORIZONTAL CROSS SECTION**
Shown w/ "Med" Sash
Steel Stud Framing Option



2
2 **HORIZONTAL CROSS SECTION**
Shown w/ "Sm" Sash
1X sub-buck Option

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.

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P.E. No. 43409

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FBPE Registry No. 9813

PRODUCT: SINGLE HUNG WINDOW

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

		LFS	DAC	LFS	LFS	LFS	BY
8	7/14/23	UPDATE TO 8TH ED. (2023) FBC					
7	8/18/20	UPDATE TO 7th ED. (2020) FBC					
6	11/6/19	UPDATE FOR NEW TESTING					
5	2/14/19	UPDATE FOR NEW TESTING					
4	8/07/17	UPDATE TO 6TH ED. (2017) FBC					
NO.	DATE						

DATE: 12/20/13

SCALE: N.T.S.

DWG. BY: JK

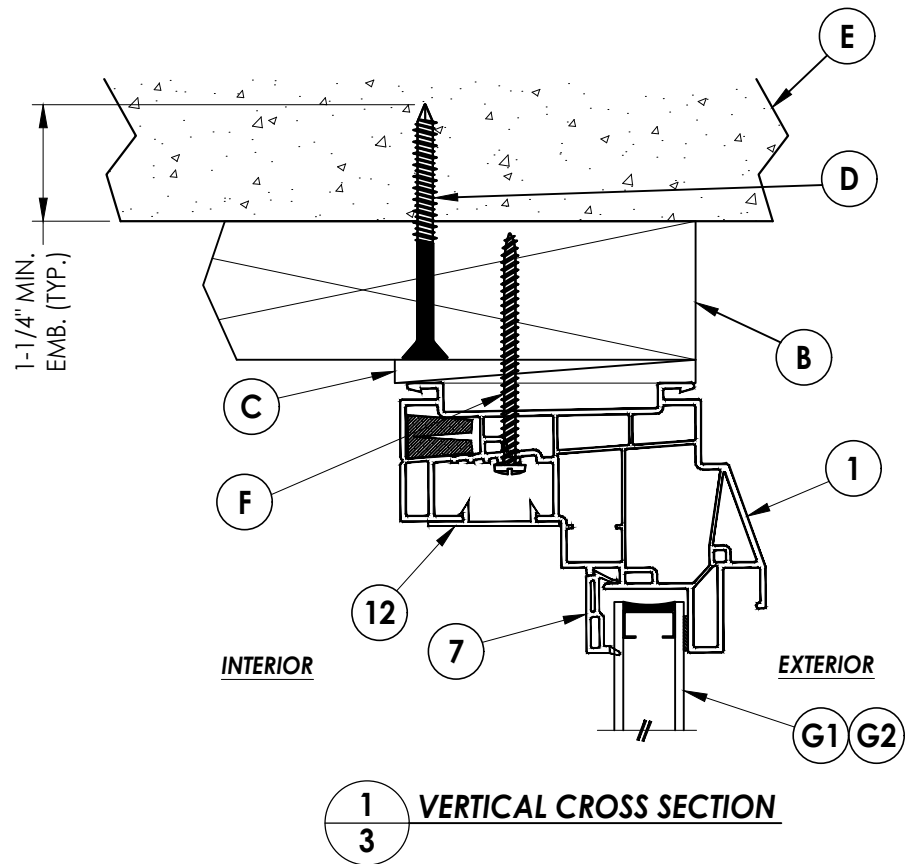
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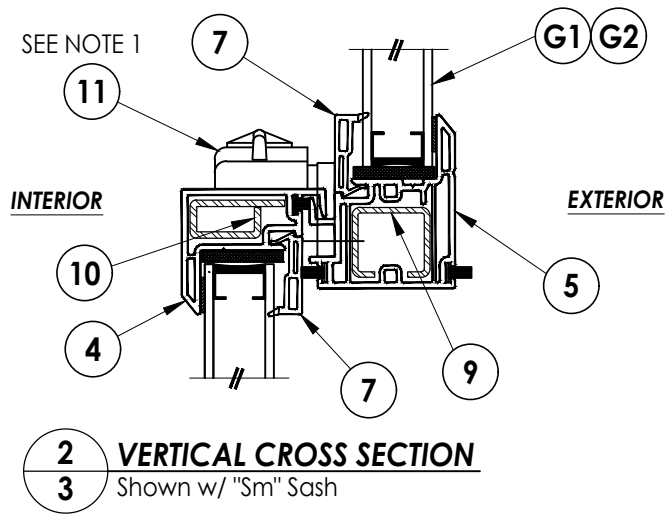
FL-10465.9

SHEET 2 OF 5

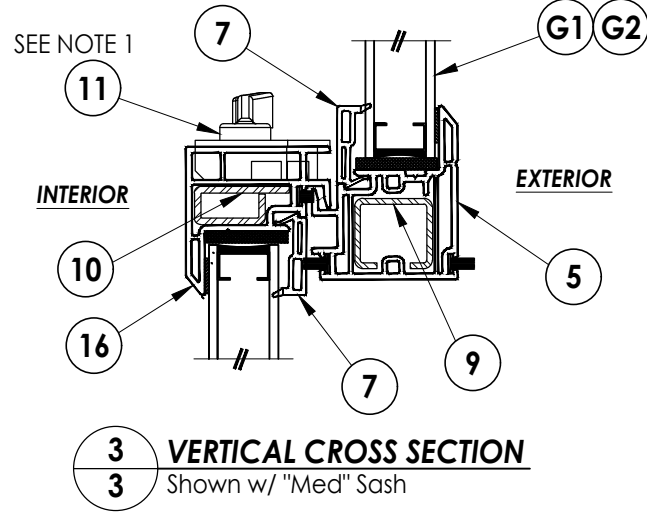
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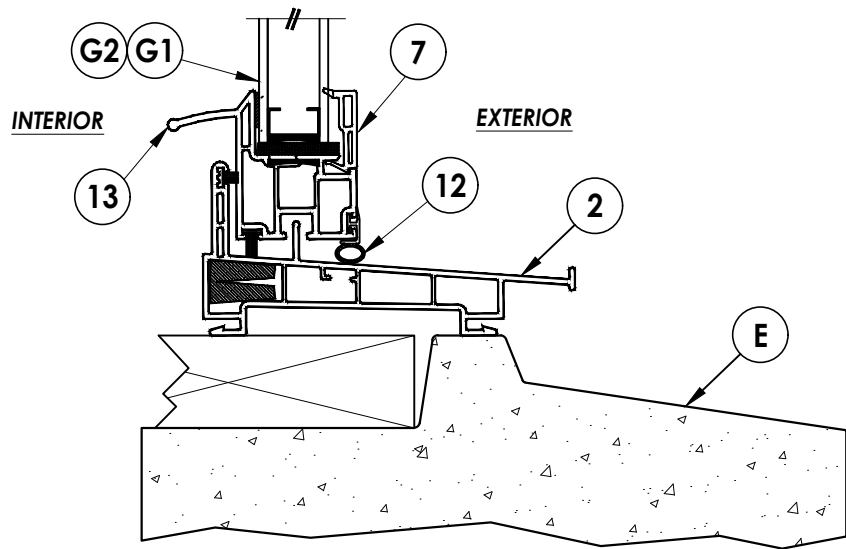
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3 VERTICAL CROSS SECTION



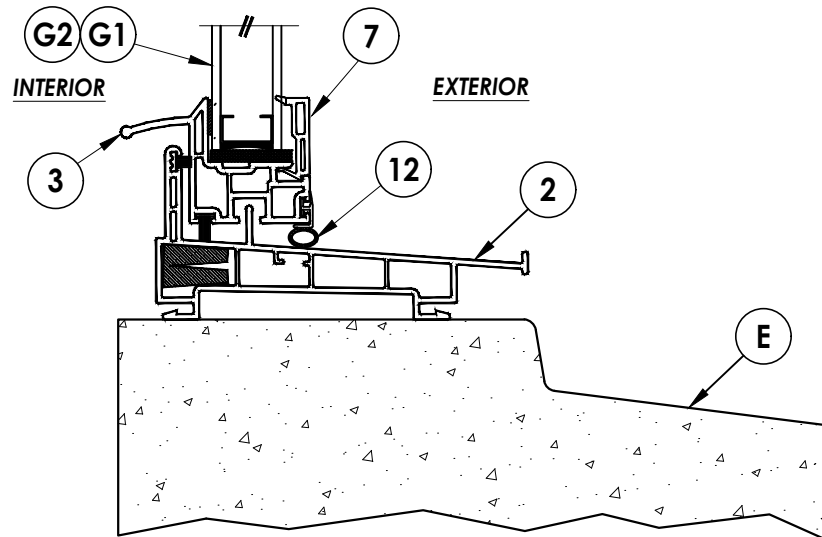
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3 VERTICAL CROSS SECTION
Shown w/ "Sm" Sash



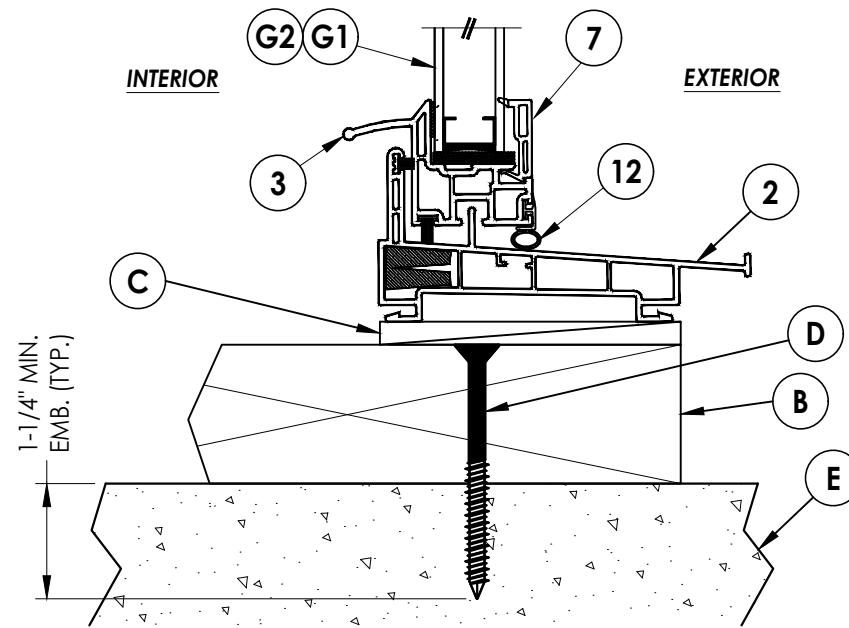
3
3 VERTICAL CROSS SECTION
Shown w/ "Med" Sash



4
3 VERTICAL CROSS SECTION
Shown w/ "Med" Sash
Optional masonry sill



5
3 VERTICAL CROSS SECTION
Shown w/ "Sm" Sash
Optional masonry sill



6
3 VERTICAL CROSS SECTION
Shown w/ "Sm" Sash

NOTE:
1. Locks located 8-1/2" from each end
of sash (2 total).

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P.E. No. 43409

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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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PRODUCT:
SINGLE HUNG WINDOW

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
8	7/14/23	UPDATE TO 8TH ED. (2023) FBC
7	8/18/20	UPDATE TO 7th ED. (2020) FBC
6	11/6/19	UPDATE FOR NEW TESTING
5	2/14/19	UPDATE FOR NEW TESTING
4	8/07/17	UPDATE TO 6TH ED. (2017) FBC
3		
2		
1		

DATE: 12/20/13

SCALE: N.T.S.

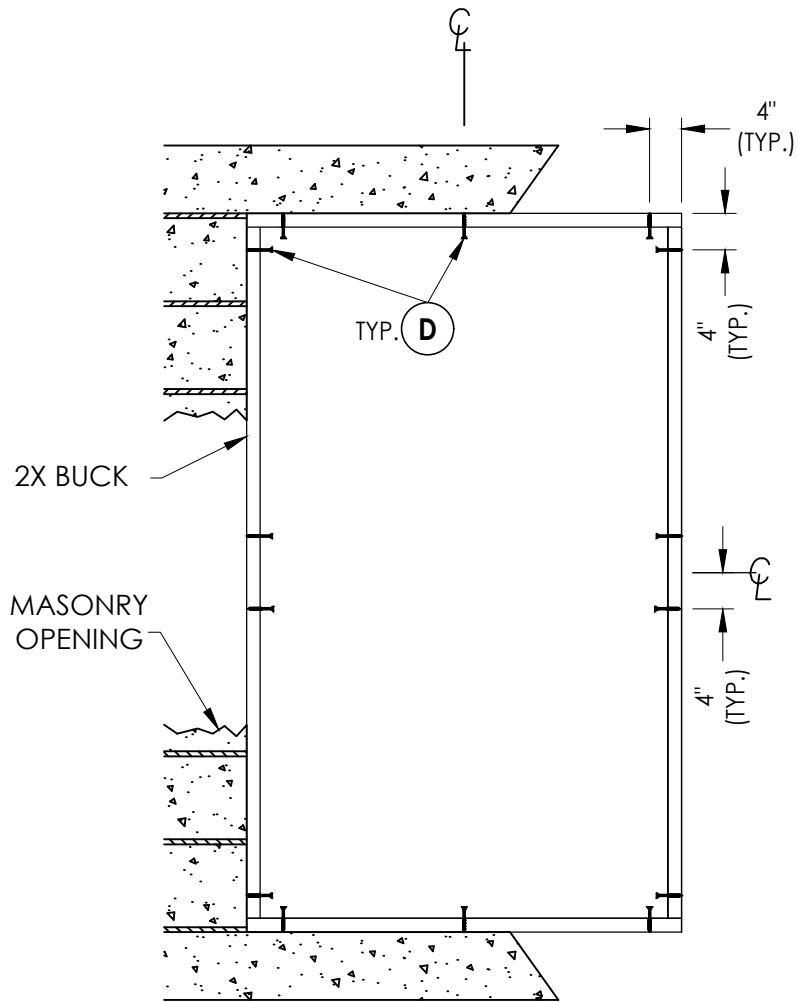
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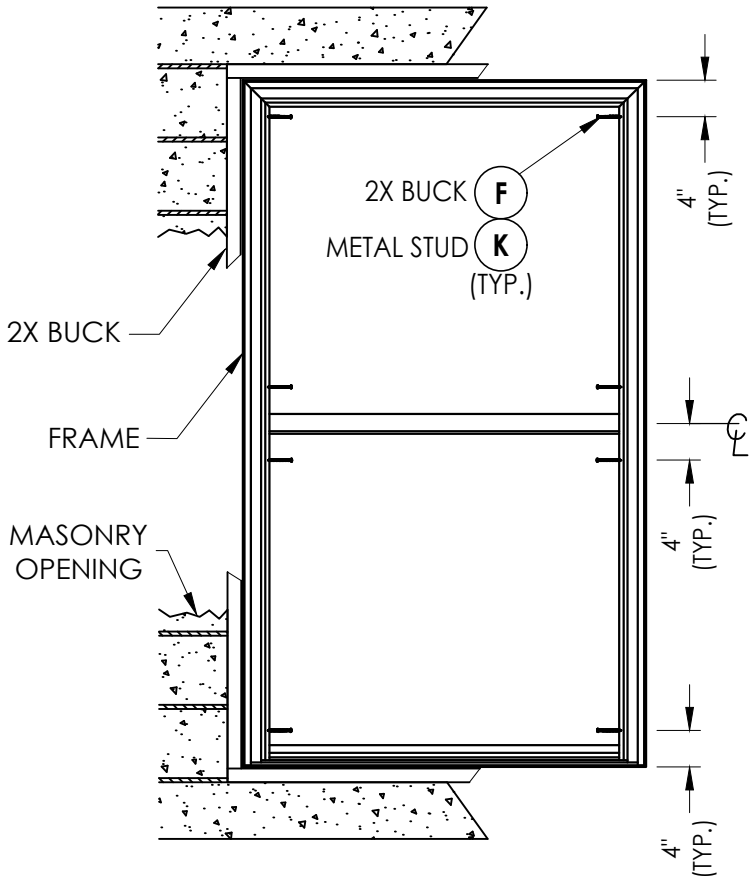
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SHEET 3 OF 5

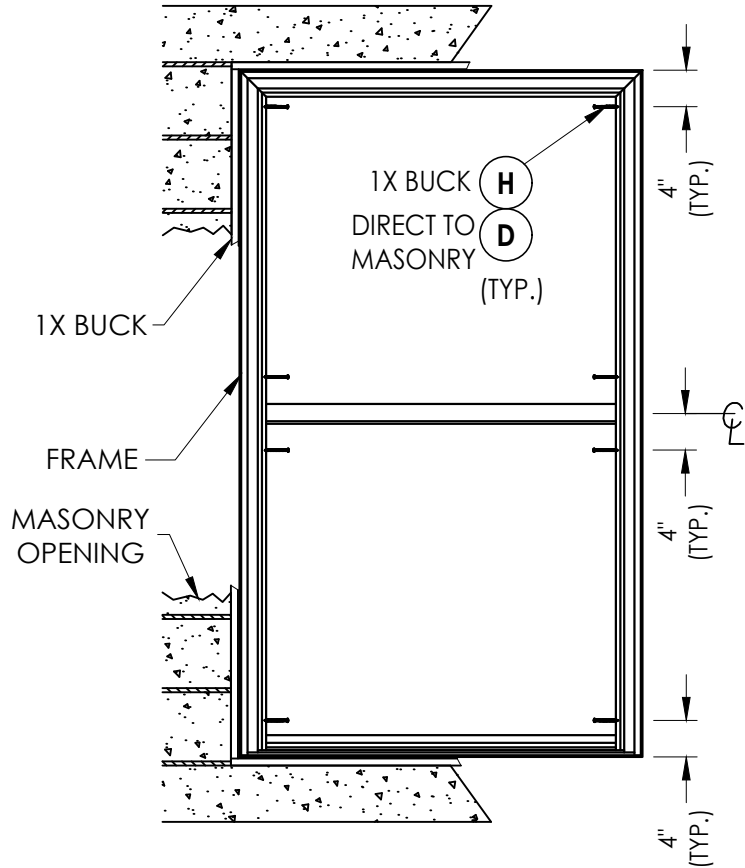
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BUCK ANCHORING



FRAME ANCHORING
Masonry 2X Buck Construction



FRAME ANCHORING
Masonry 1X Buck Construction

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:

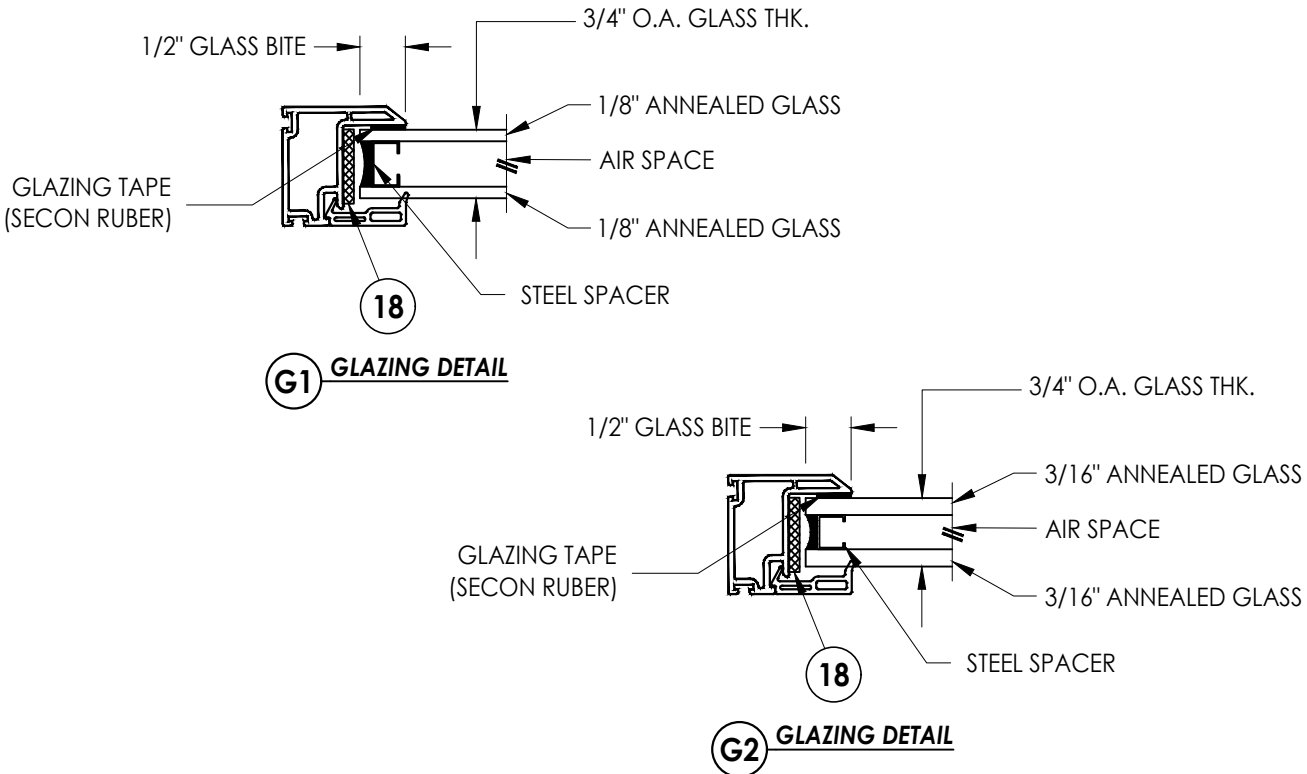
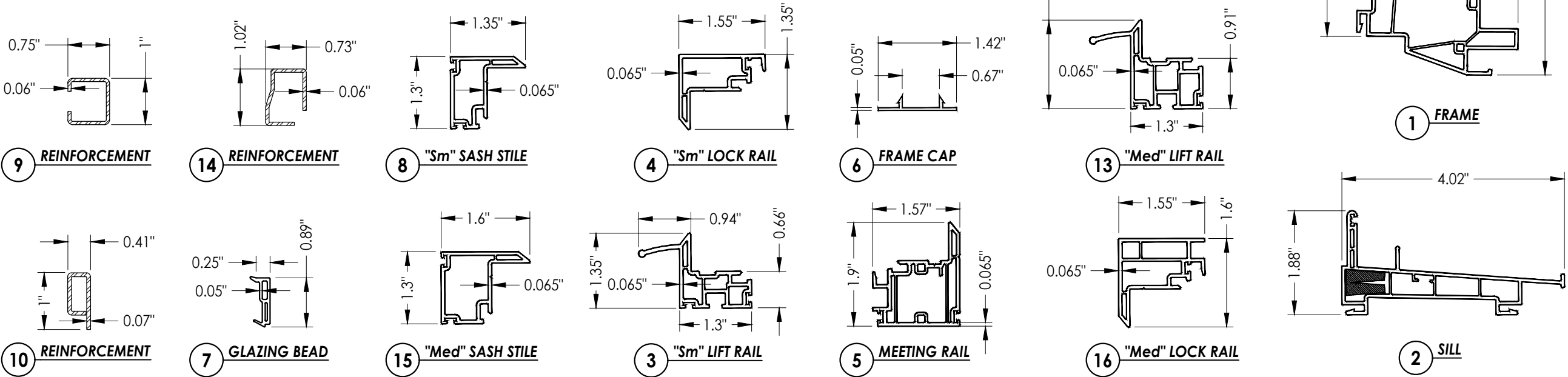
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

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PRODUCT: SINGLE HUNG WINDOW		PART OR ASSEMBLY: BUCK AND FRAME ANCHORING	
8	7/14/23	UPDATE TO 8TH ED. (2023) FBC	LFS
7	8/18/20	UPDATE TO 7th ED. (2020) FBC	DAC
6	11/6/19	UPDATE FOR NEW TESTING	LFS
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CHK. BY: LFS			
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SHEET 4 OF 5			

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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" 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 2-1/2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
H	1/4" x 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#10 PFH SELF-DRILLING SMS	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
1	EXTRUDED VINYL FRAME *	RIGID PVC
2	EXTRUDED VINYL SILL *	RIGID PVC
3	EXTRUDED VINYL "Sm" LIFT RAIL *	RIGID PVC
4	EXTRUDED VINYL "Sm" LOCK RAIL *	RIGID PVC
5	EXTRUDED VINYL MEETING RAIL *	RIGID PVC
6	EXTRUDED VINYL FRAME CAP *	RIGID PVC
7	EXTRUDED VINYL GLAZING BEAD *	RIGID PVC
8	EXTRUDED VINYL "Sm" SASH STILE *	RIGID PVC
9	SASH REINFORCEMENT	STEEL
10	SASH REINFORCEMENT	STEEL
11	LOCK	-
12	WEATHERSTRIP	VINYL
13	EXTRUDED VINYL "Med" LIFT RAIL *	RIGID PVC
14	SASH REINFORCEMENT	STEEL
15	EXTRUDED VINYL "Med" SASH STILE *	RIGID PVC
16	EXTRUDED VINYL "Med" LOCK RAIL *	RIGID PVC
18	SETTING BLOCK	-

*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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Lyndon F. Schmidt
P.E. No. 43409

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

PRODUCT: SINGLE HUNG WINDOW

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

NO.	DATE	REVISIONS
8	7/14/23	UPDATE TO 8TH ED. (2023) FBC
7	8/18/20	UPDATE TO 7th ED. (2020) FBC
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DATE: 12/20/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-10465.9

SHEET 5 OF 5