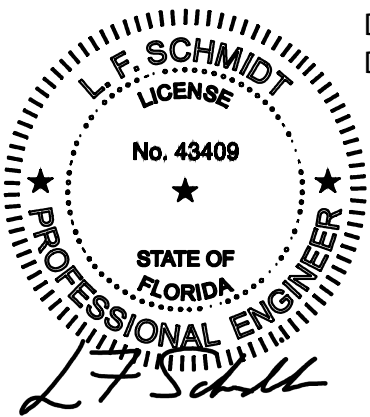


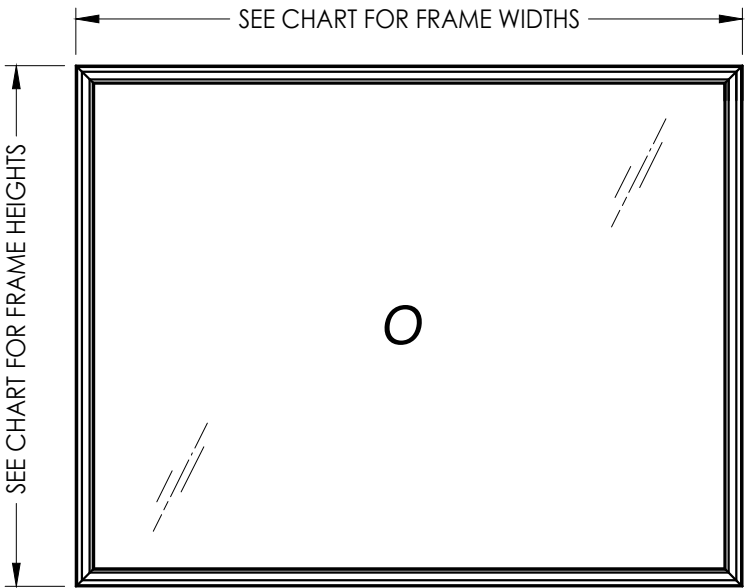


Digitally signed by Lyndon F Schmidt
Date: 2023.10.09 11:24:12 -04'00'

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

MODEL 3004/3B04/3A04/03A4/03S4 VINYL FIXED "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	Vertical & horizontal cross sections
3	Vertical & horizontal cross sections
4	Buck & frame anchoring
5	Buck & frame anchoring
6	Buck & frame anchoring
7	Bill of materials, glazing details and components

OVERALL FRAME DIMENSION	OVERALL DAY LIGHT DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)		ANCHORING DETAIL
			POS.	NEG.	
96.0" X 60.0"	90.75" X 54.75"	G2	+35.0	-35.0	SEE SHEETS 5-6
96.0" X 60.0"	90.75" X 54.75"	G3	+45.0	-45.0	
90.0" X 60.0"	84.75" X 54.75"		+50.0	-50.0	
72.0" X 72.0"	66.75" X 66.75"		+50.0	-50.0	
72.0" X 50.0"	66.75" X 44.75"		+50.0	-70.0	
72.0" X 84.0"	66.75" X 78.75"		+40.0	-40.0	
72.0" X 50.0"	66.75" X 44.75"	G1	+40.0	-40.0	SEE SHEET 4
60.0" X 60.0"	54.75" X 54.75"		+35.0	-35.0	

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT: FIXED WINDOW

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

REVISIONS

DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

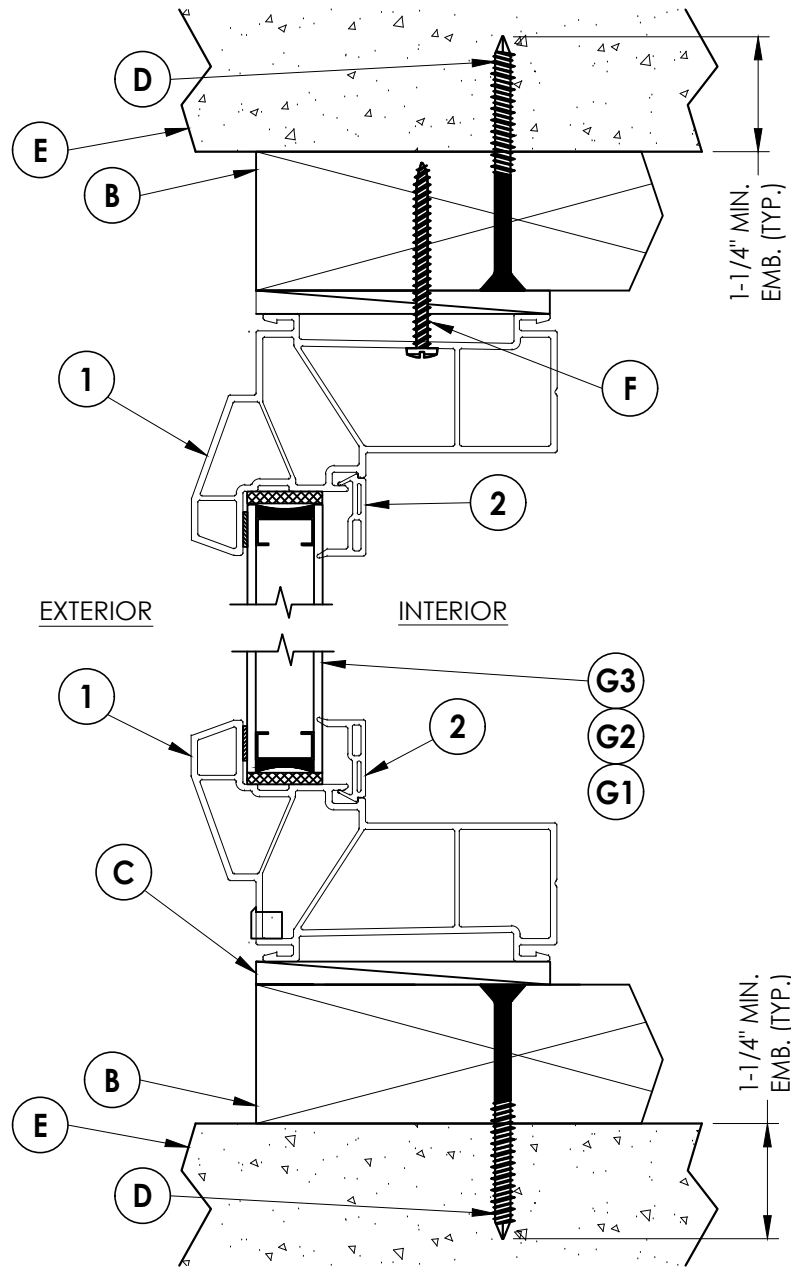
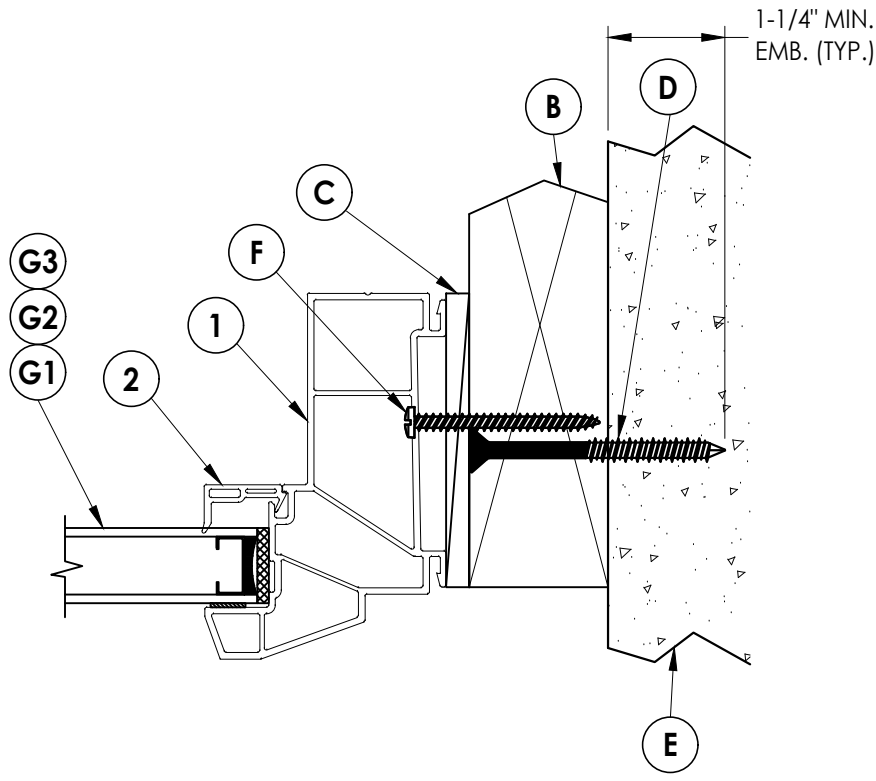
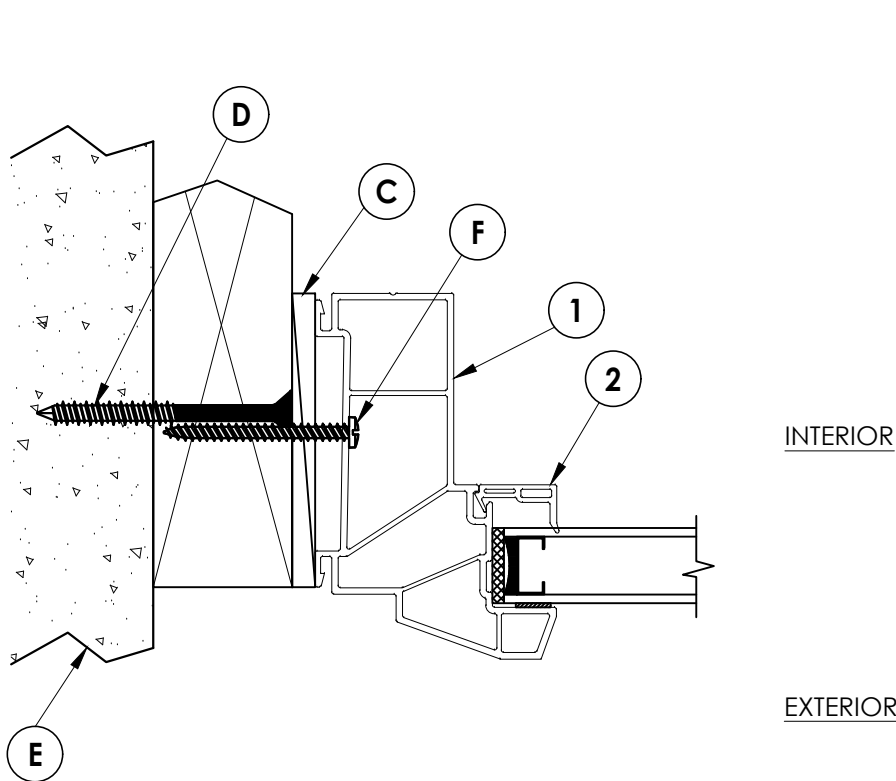
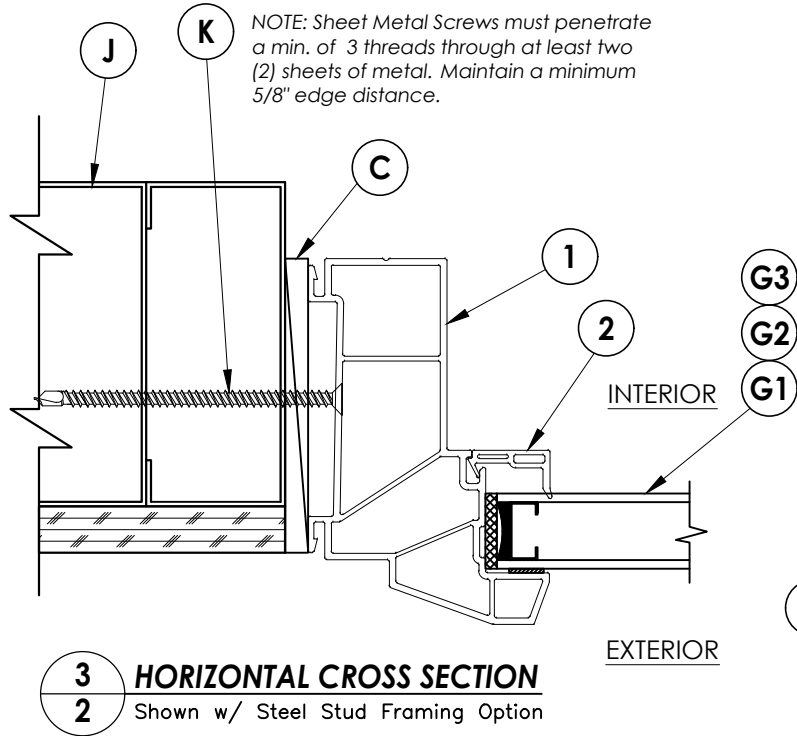
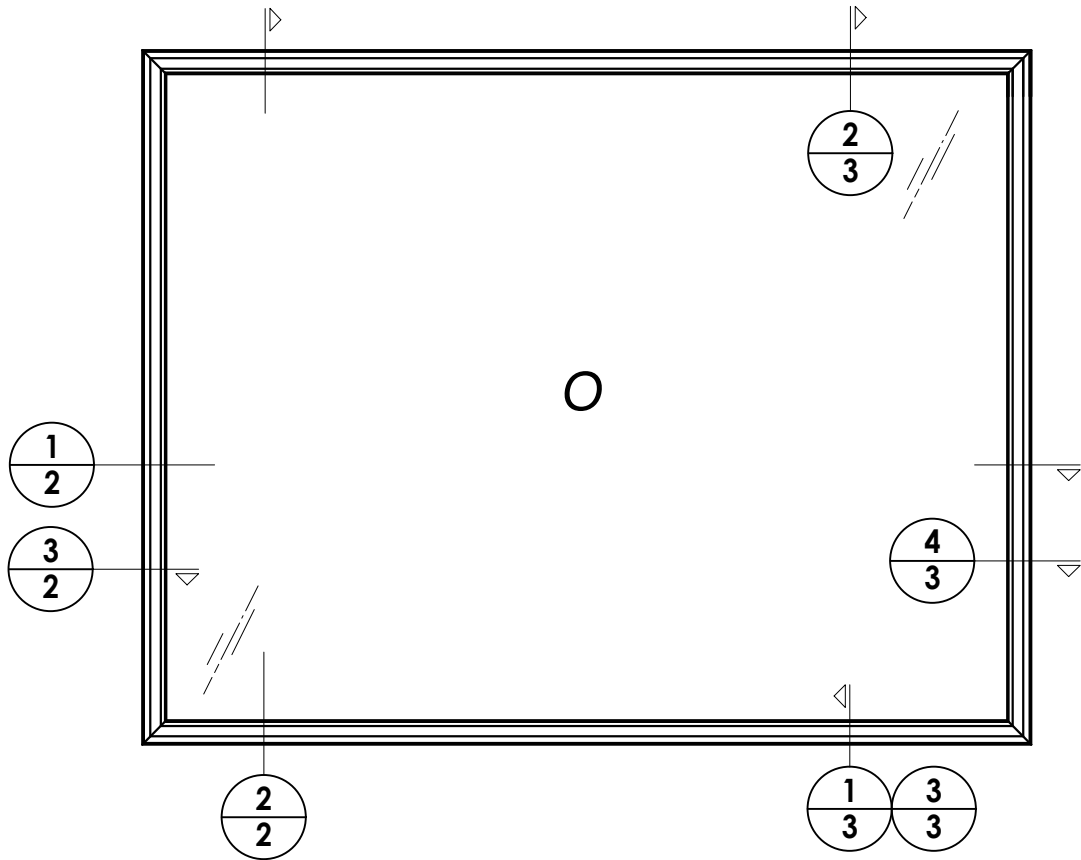
CHK. BY: LFS

DRAWING NO.: FL-9909.19

SHEET 1 OF 7

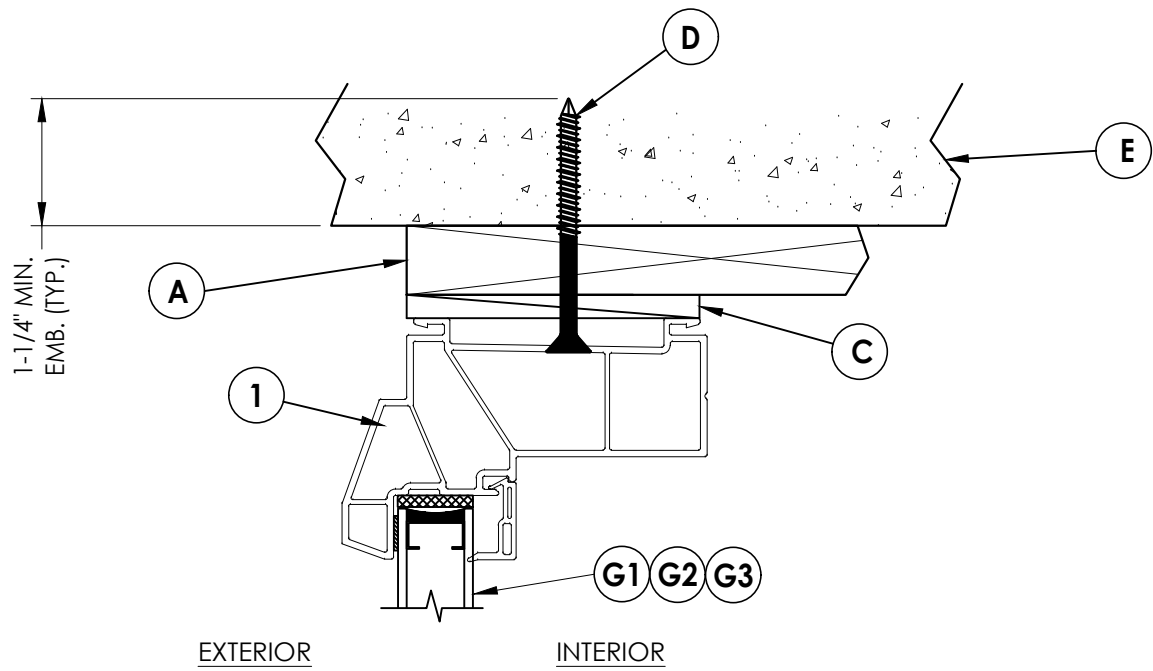
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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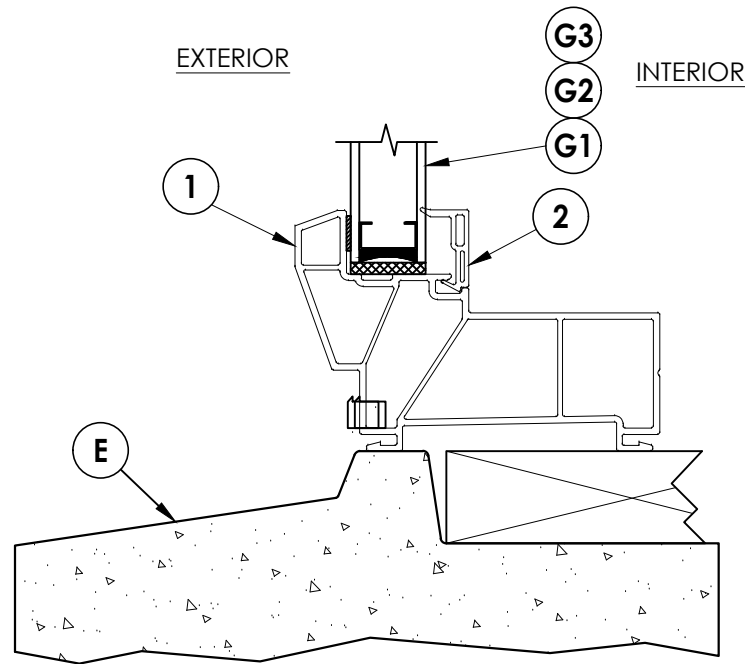


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: FIXED WINDOW		PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS	
8	7/14/23	UPDATE TO 8TH ED. (2023) FBC	LFS
7	3/22/23	ADD ROUND/ARCH TOP ANCHORING	LFS
6	8/19/20	UPDATE TO 7TH ED. (2020) FBC	DAC
5	2/14/19	REVISE DESIGN PRESSURE TABLE	LFS
4	8/24/17	UPDATE TO 6TH ED. (2017) FBC	LFS
NO. DATE		REVISIONS	
DATE: 10/23/13			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-9909.19			
SHEET 2 OF 7			

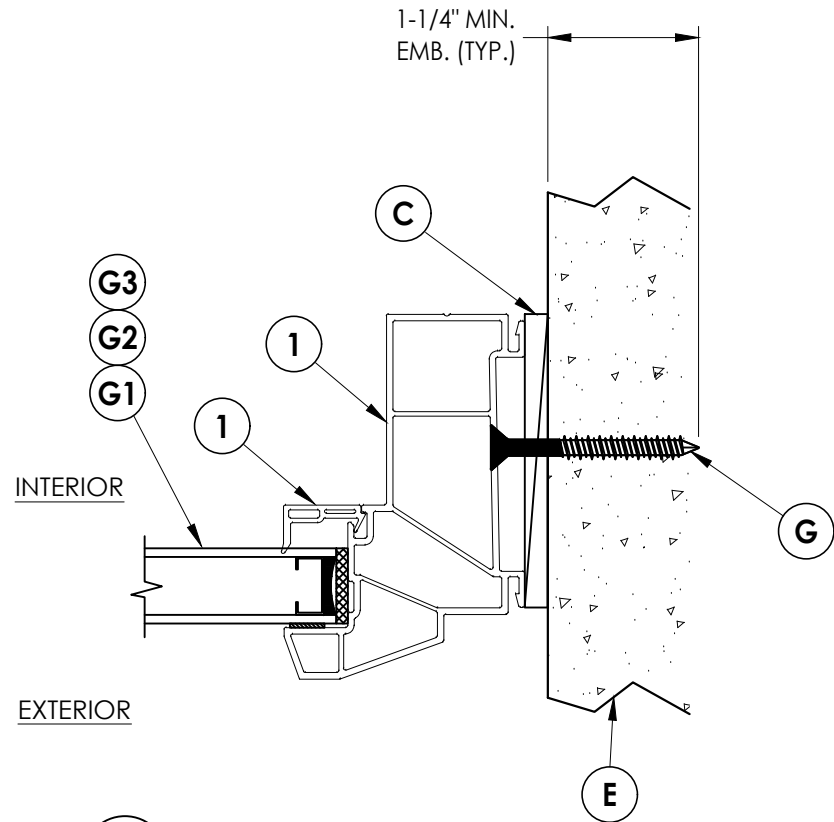
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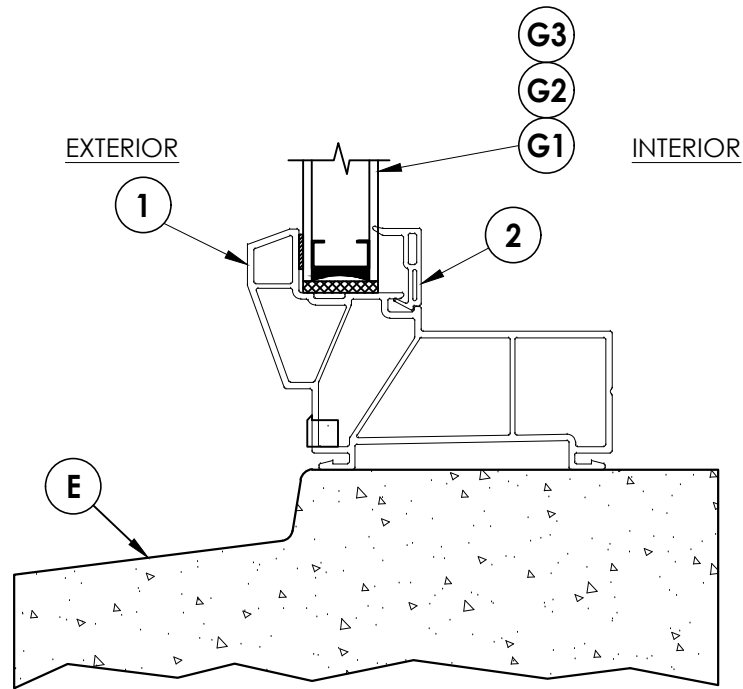
2 VERTICAL CROSS SECTION
3 Shown w/1X sub-buck



1 VERTICAL CROSS SECTION
3 Optional masonry sill



4 HORIZONTAL CROSS SECTION
3 Shown Direct to Masonry



3 VERTICAL CROSS SECTION
3 Optional masonry sill

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:

FIXED WINDOW

PART OR ASSEMBLY:

VERTICAL & HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS		
		BY	LFS	DATE
8	7/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
7	3/22/23	ADD ROUND/ARCH TOP ANCHORING		LFS
6	8/19/20	UPDATE TO 7TH ED. (2020)	FBC	DAC
5	2/14/19	REVISE DESIGN PRESSURE TABLE		LFS
4	8/24/17	UPDATE TO 6TH ED. (2017)	FBC	LFS

DATE: 10/23/13

SCALE: N.T.S.

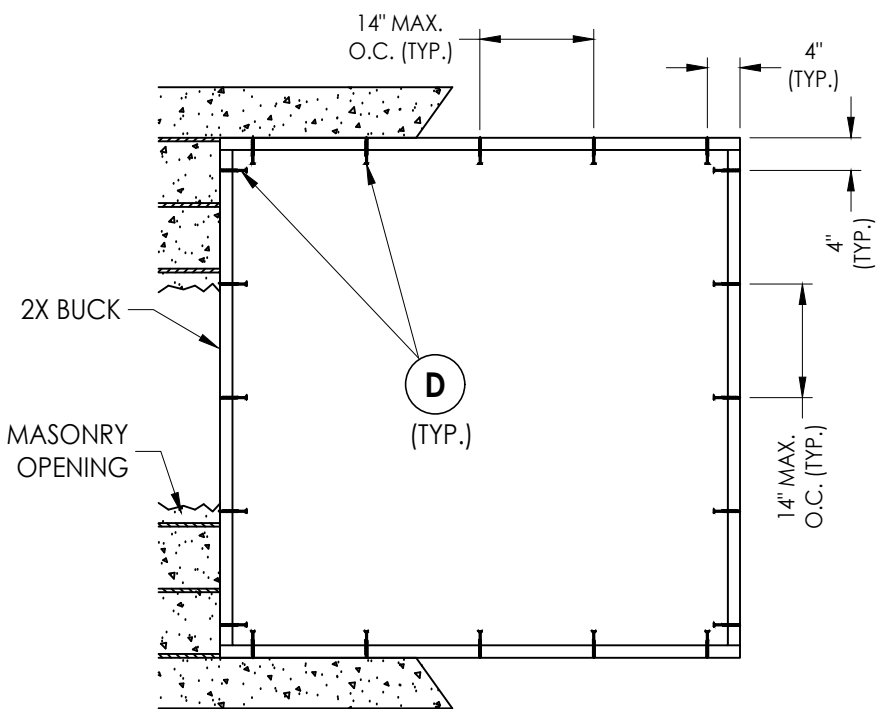
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CHK. BY: LFS

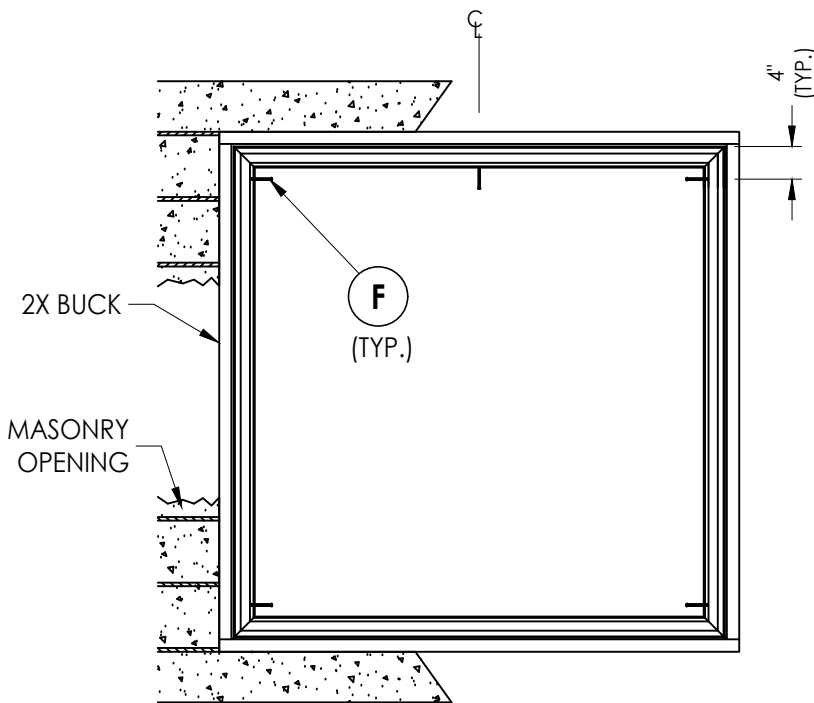
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FL-9909.19

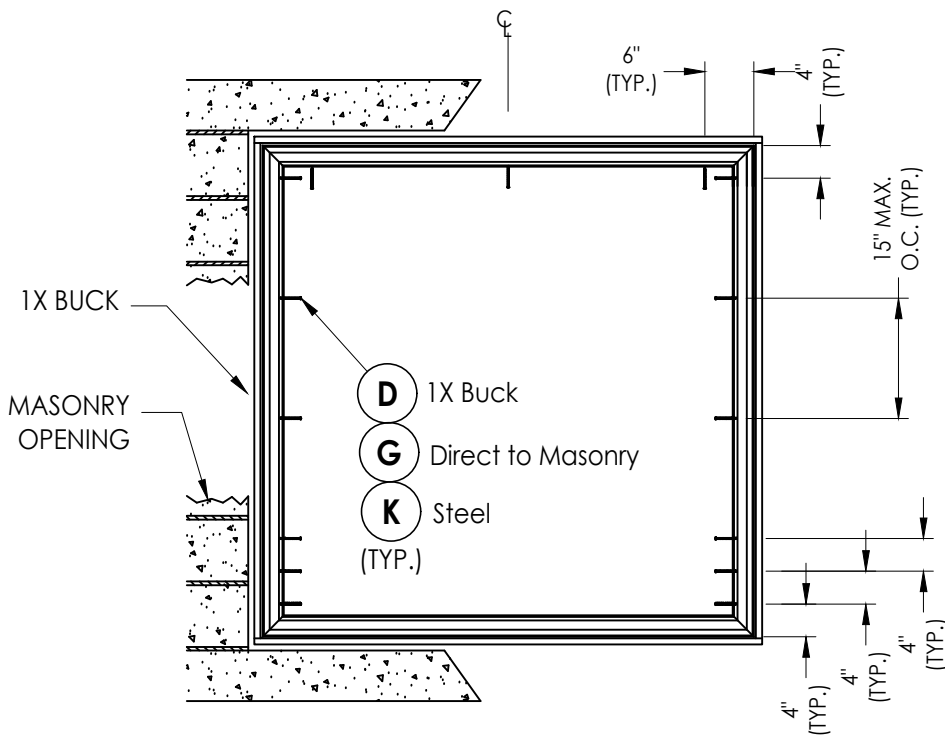
SHEET 3 OF 7



BUCK ANCHORING
(2X BUCK)



FRAME ANCHORING
(2X BUCK)



BUCK ANCHORING
(1x Buck, Direct to Masonry, Steel Stud)

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.

8	7/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
7	3/22/23	ADD ROUND/ARCH TOP ANCHORING		LFS
6	8/19/20	UPDATE TO 7TH ED. (2020)	FBC	DAC
5	2/14/19	REVISE DESIGN PRESSURE TABLE		LFS
4	8/24/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
NO.	DATE	BY		
		REVISIONS		

DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-9909.19

SHEET 4 OF 7

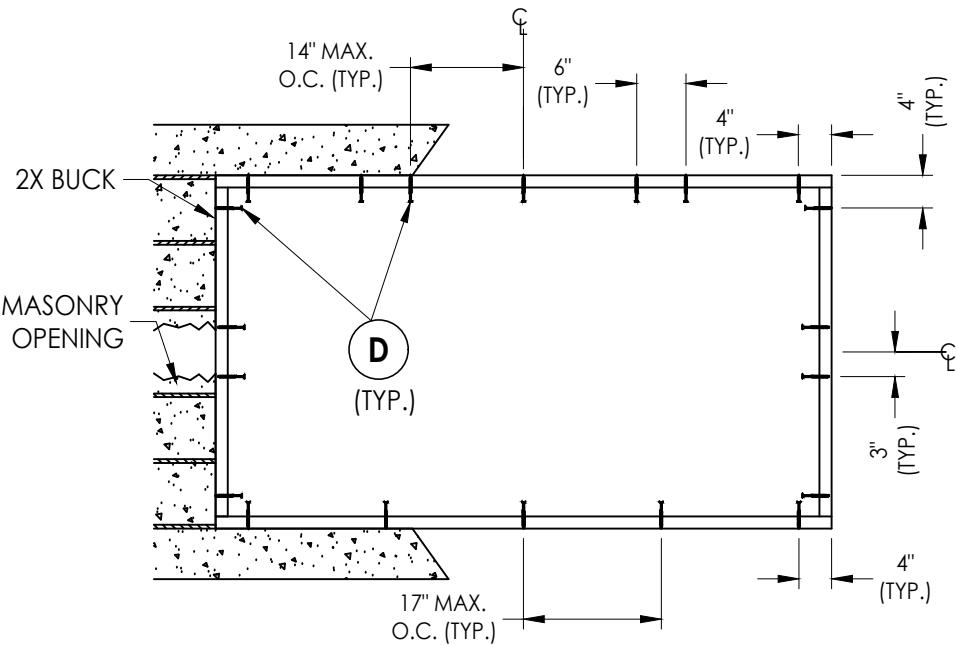
PRODUCT: FIXED WINDOW

PART OR ASSEMBLY: BUCK & FRAME ANCHORING

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

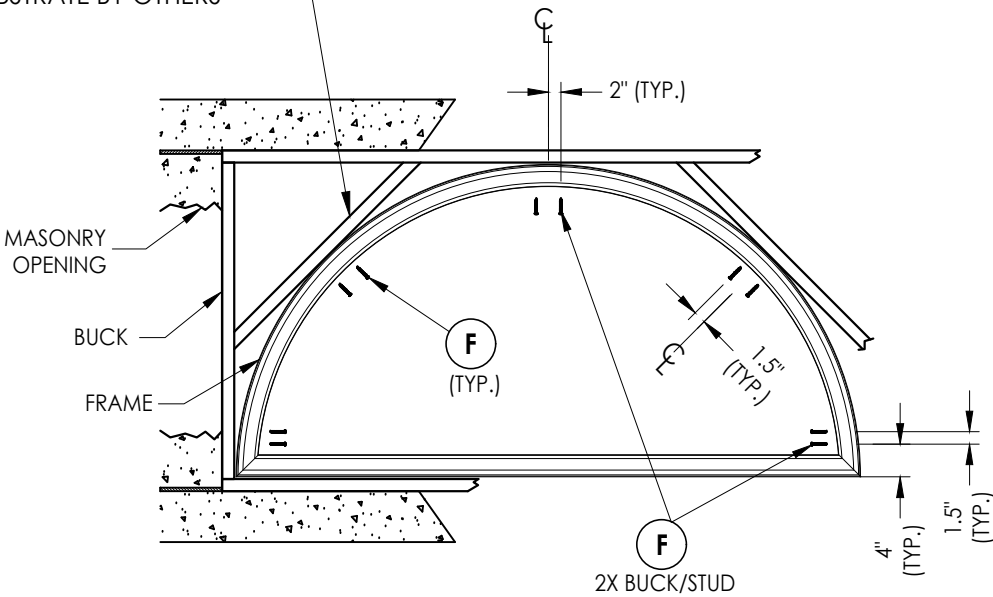
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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BUCK ANCHORING
(2X BUCK)

2X FRAMING & CONNECTION
TO BUCK/SUBSTRATE BY OTHERS



FRAME ANCHORING
72" X 40" MAX.
2X BUCK/2X STUD

Frame Size up to 72" x 40" Max.
Round/Arch Top
2X Buck or 2X Stud Construction only
Design Pressure = ± 50 psf max.

CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- Concrete anchor table:

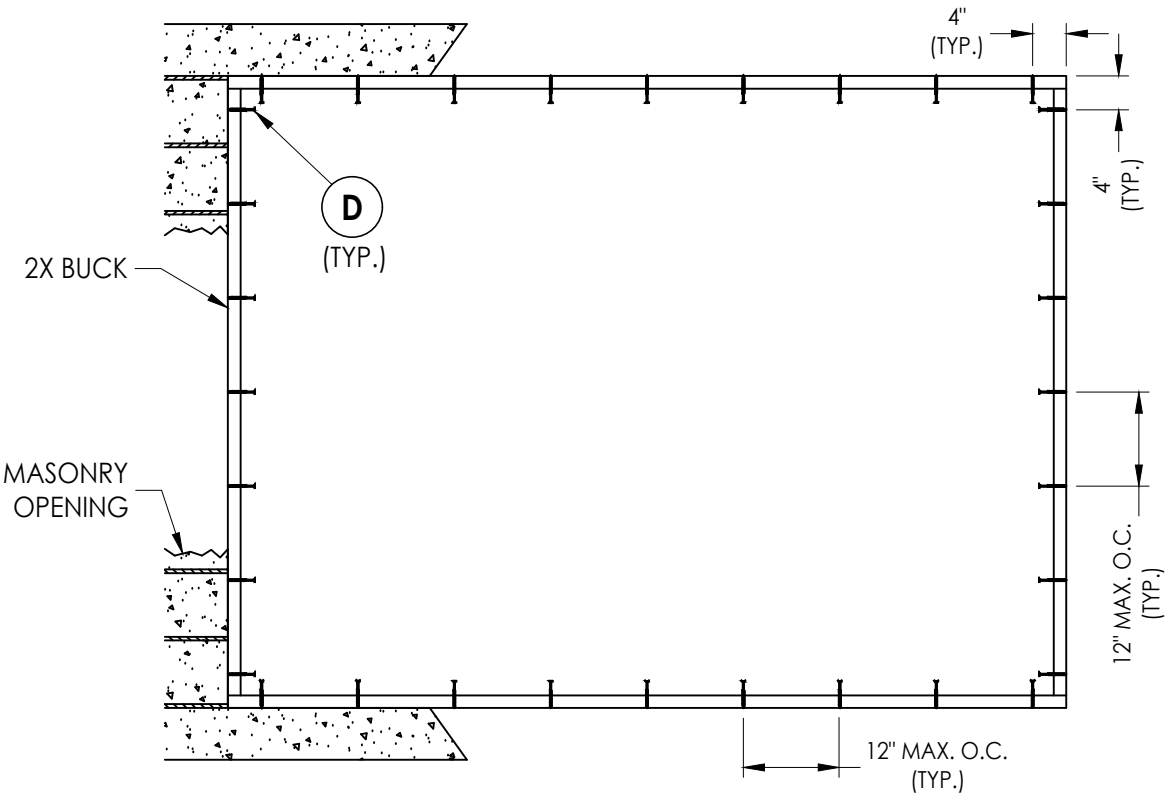
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

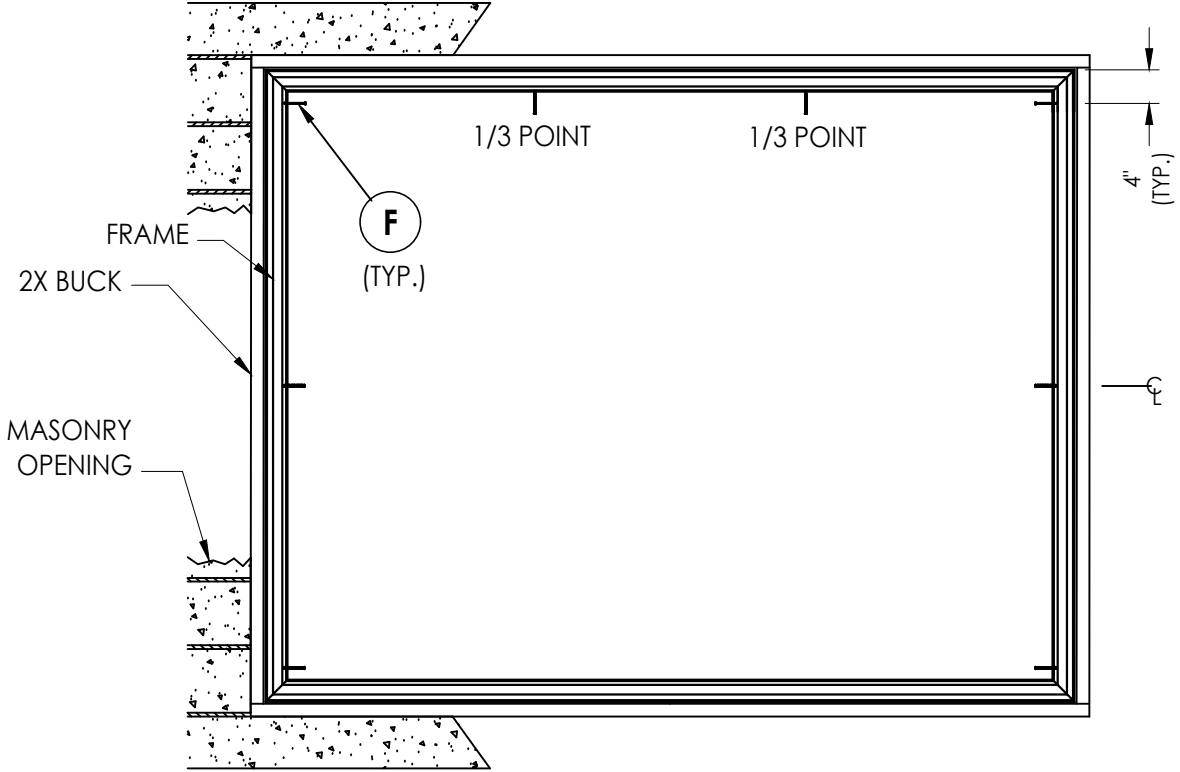
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

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	
PRODUCT: FIXED WINDOW		PART OR ASSEMBLY: BUCK & FRAME ANCHORING	
8	7/14/23	UPDATE TO 8TH ED. (2023) FBC	LFS
7	3/22/23	ADD ROUND/ARCH TOP ANCHORING	LFS
6	8/19/20	UPDATE TO 7TH ED. (2020) FBC	DAC
5	2/14/19	REVISE DESIGN PRESSURE TABLE	LFS
4	8/24/17	UPDATE TO 6TH ED. (2017) FBC	LFS
NO.	DATE	REVISIONS	
DATE: 10/23/13			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-9909.19			
SHEET 5 OF 7			

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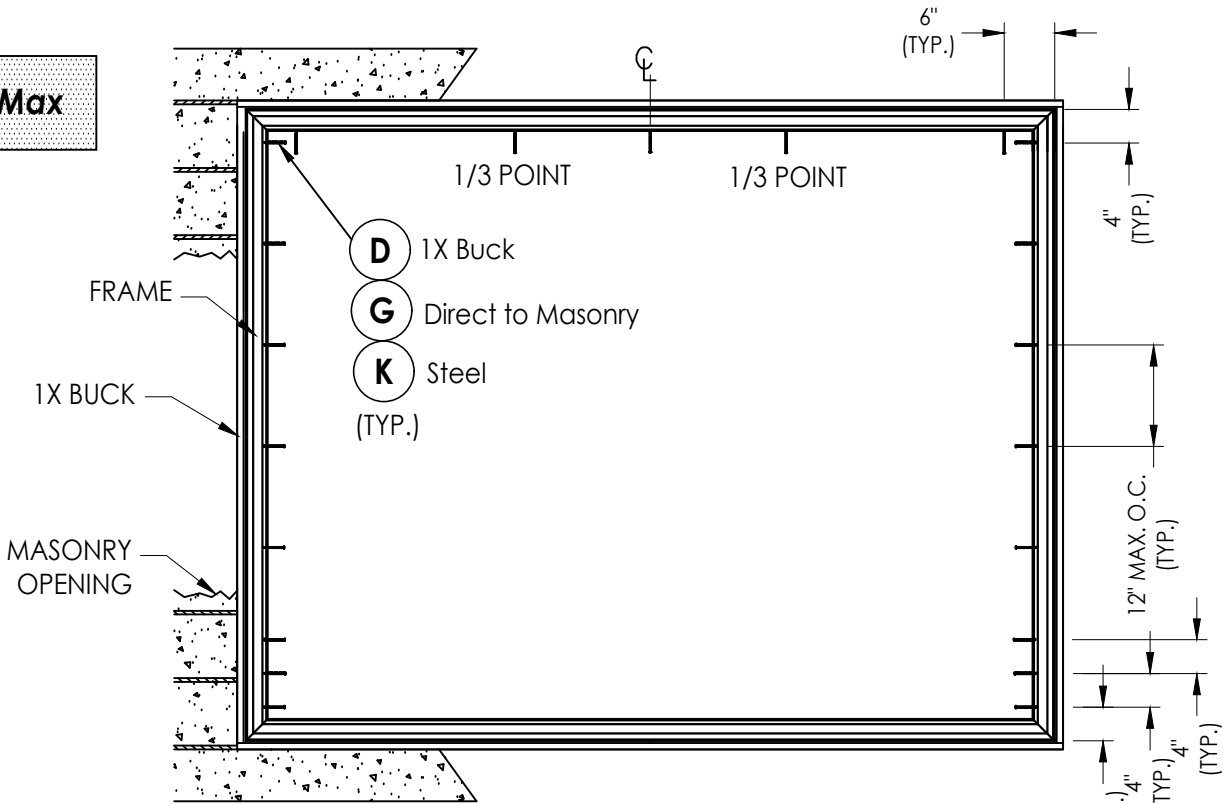


BUCK ANCHORING
(2X BUCK)



FRAME ANCHORING
(2X BUCK)

Frame Size up to 96" x 72" Max



BUCK ANCHORING
(1x Buck, Direct to Masonry, Steel Stud)

CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- 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:

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

Documents Prepared By:
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

PRODUCT:

FIXED WINDOW

PART OR ASSEMBLY:

BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
8	7/14/23	UPDATE TO 8TH ED. (2023) FBC
7	3/22/23	ADD ROUND/ARCH TOP ANCHORING
6	8/19/20	UPDATE TO 7TH ED. (2020) FBC
5	2/14/19	REVISE DESIGN PRESSURE TABLE
4	8/24/17	UPDATE TO 6TH ED. (2017) FBC
3		
2		
1		

DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

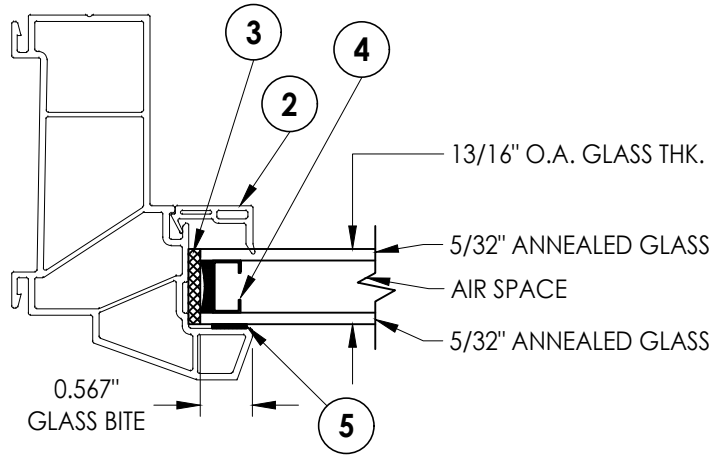
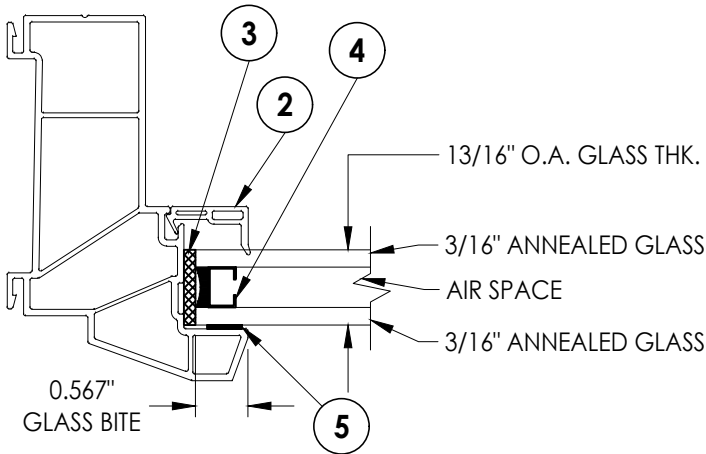
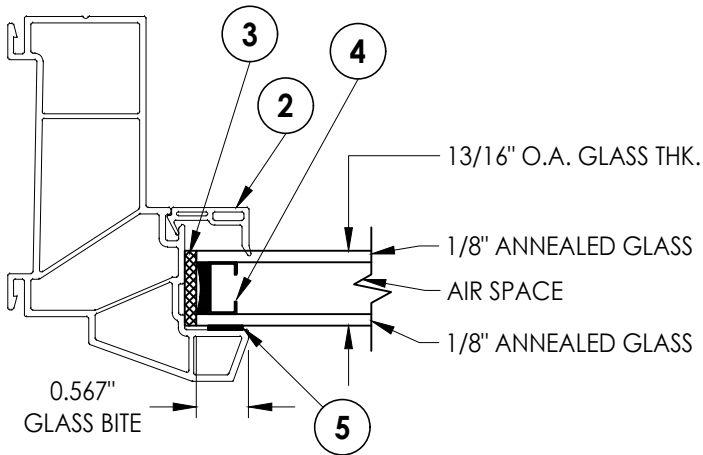
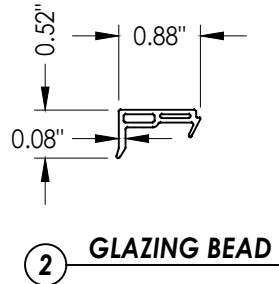
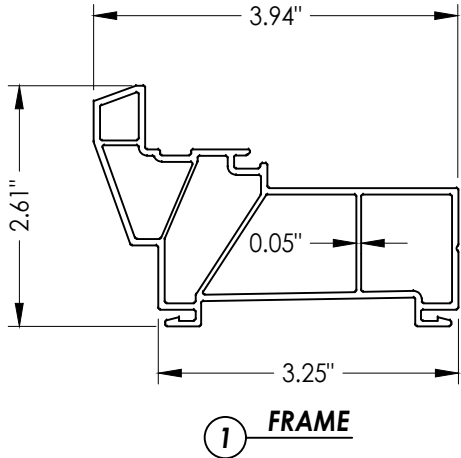
FL-9909.19

SHEET 6 OF 7

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	STEEL
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. 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	#10 X 2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
G	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	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 *	RIGID PVC
2	EXTRUDED VINYL GLAZING BEAD *	RIGID PVC
3	GLASS SETTING BLOCK	-
4	GLAZING SPACER	STEEL
5	GLAZING TAPE - DOUBLE SIDE ADHESIVE	-

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



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	
PRODUCT: FIXED WINDOW		PART OR ASSEMBLY: BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS	
8	7/14/23	UPDATE TO 8TH ED. (2023) FBC	LFS
7	3/22/23	ADD ROUND/ARCH TOP ANCHORING	LFS
6	8/19/20	UPDATE TO 7TH ED. (2020) FBC	DAC
5	2/14/19	REVISE DESIGN PRESSURE TABLE	LFS
4	8/24/17	UPDATE TO 6TH ED. (2017) FBC	LFS
NO.	DATE		BY
REVISIONS			
DATE: 10/23/13			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-9909.19			
SHEET 7 OF 7			