

Z:\2023 FBC Drawings\Associated Materials, Inc\FL-9909 R19\FL-9909.3.dwg



3773 STATE ROAD
CUYAHOGA FALLS, OH 44223

MODEL L204
PVC FIXED WINDOW
"NON-IMPACT"

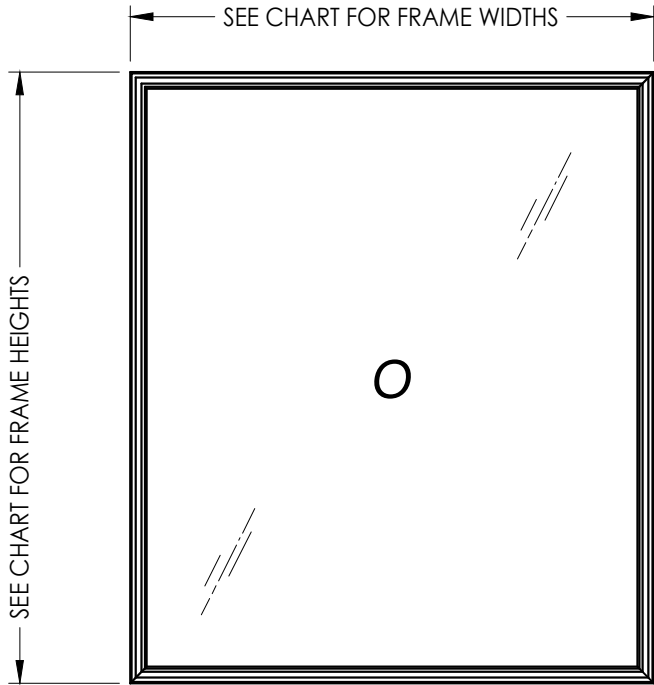
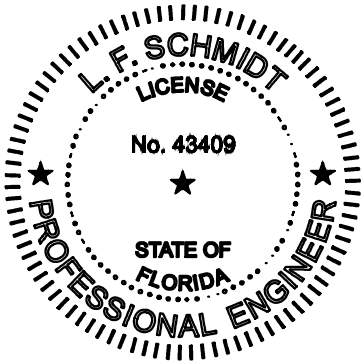
GENERAL NOTES

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	Bill of materials and components

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 FRAME DIMENSION	OVERALL DAY LIGHT DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)		ANCHORING DETAIL
			POS.	NEG.	
48.0" X 72.0"	43.5" X 67.5"	G1	+40.0	-40.0	SEE SHEET 4
48.0" X 72.0"	43.5" X 67.5"	G2	+50.0	-55.0	
48.0" X 72.0"	43.5" X 67.5"	G3	+50.0	-60.0	
72.0" X 72.0"	67.5" X 67.5"		+35.0	-35.0	
60.0" X 60.0"	55.5" X 55.5"		+45.0	-60.0	
72.0" X 63.0"	67.5" X 58.5"		+45.0	-55.0	
72.0" X 84.0"	67.5" X 79.5"		+25.0	-25.0	SEE SHEET 5
96.0" X 60.0"	91.5" X 55.5"	G2	+40.0	-40.0	
96.0" X 60.0"	91.5" X 55.5"		+35.0	-35.0	

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

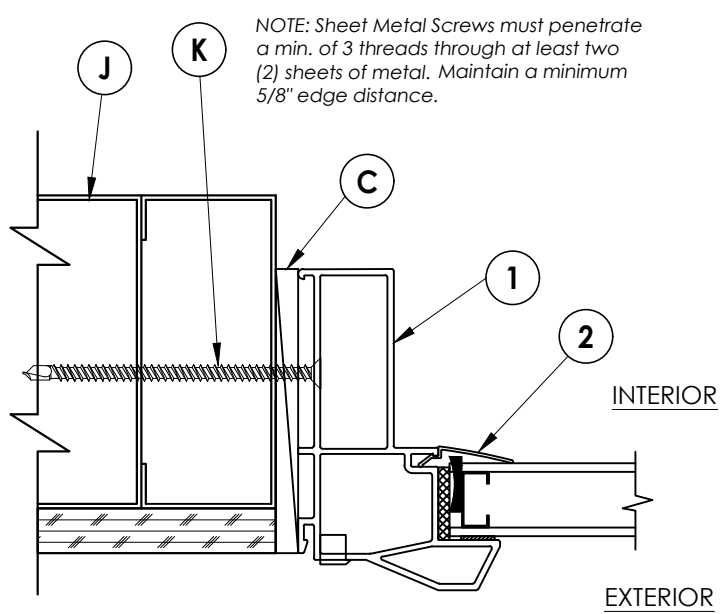
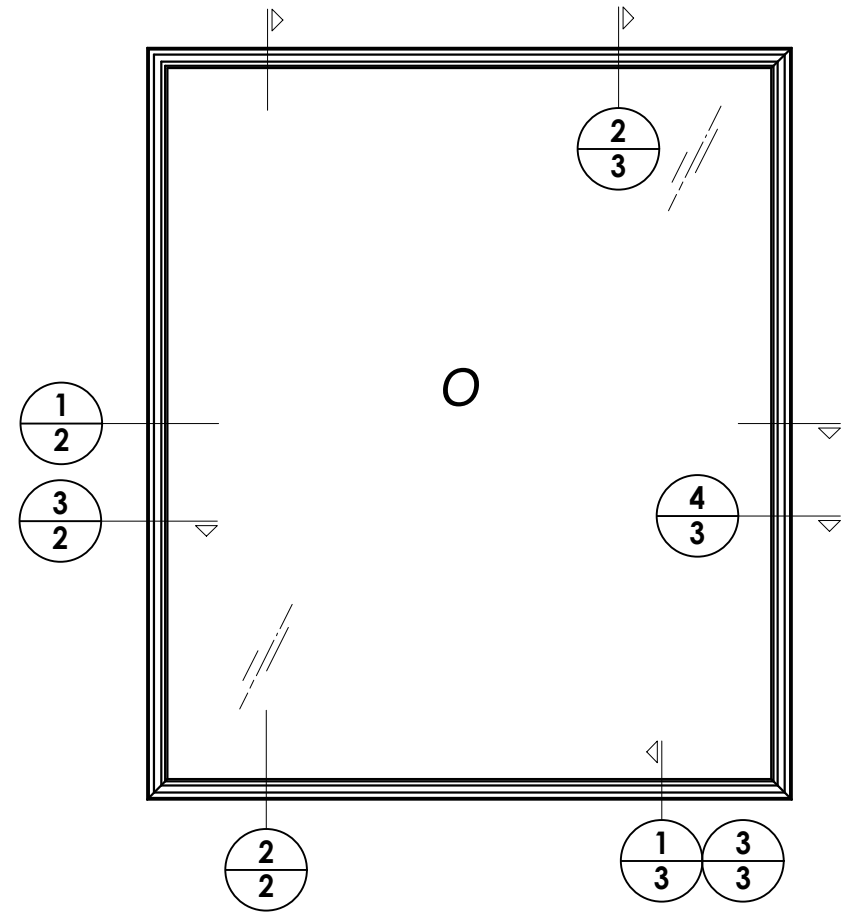
PRODUCT: FIXED WINDOW
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

9	8	7	6	5	4	NO.	DATE	REVISIONS
7/14/23	8/19/20	2/14/19	8/24/17	7/7/15	1/27/15			
UPDATE TO 8TH ED. (2023)	UPDATE TO 7th ED. (2020)	UPDATE FOR NEW TESTING	UPDATE TO 6TH ED. (2017)	REVISE D.P. & ANCHORING	UPDATE TO 5TH ED. (2014)			
FBC	FBC	LFS	LFS	LFS	JK			
DAC					BY			

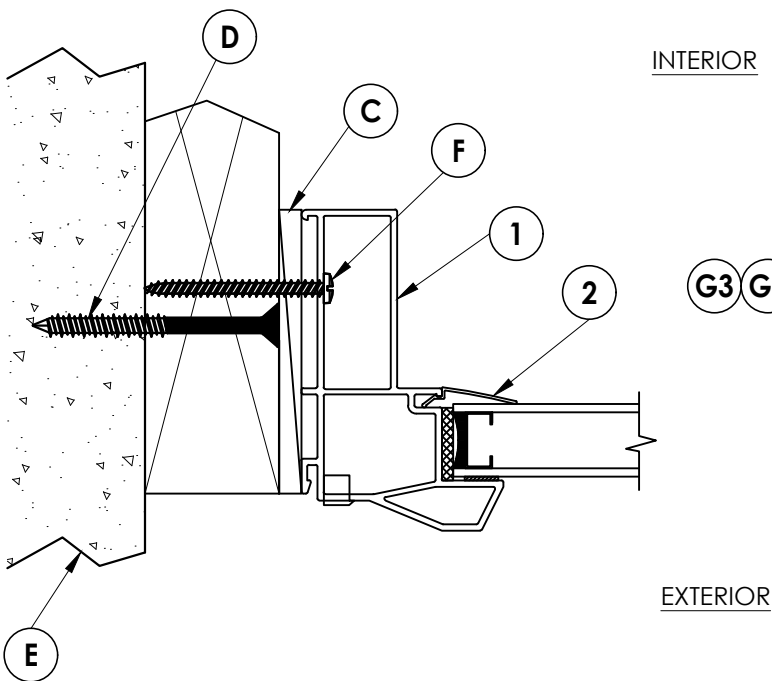
DATE: 12/03/08
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-9909.3
SHEET 1 OF 6

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

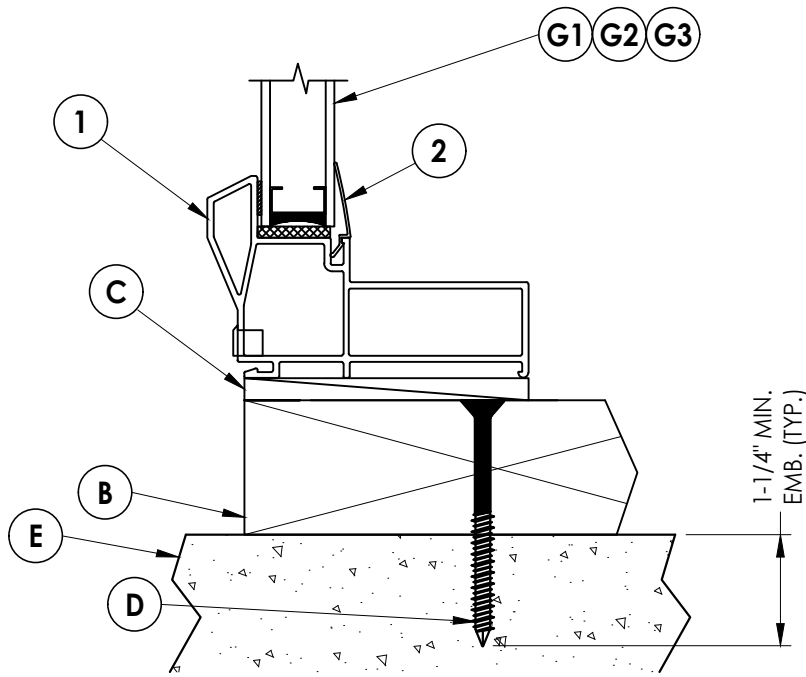
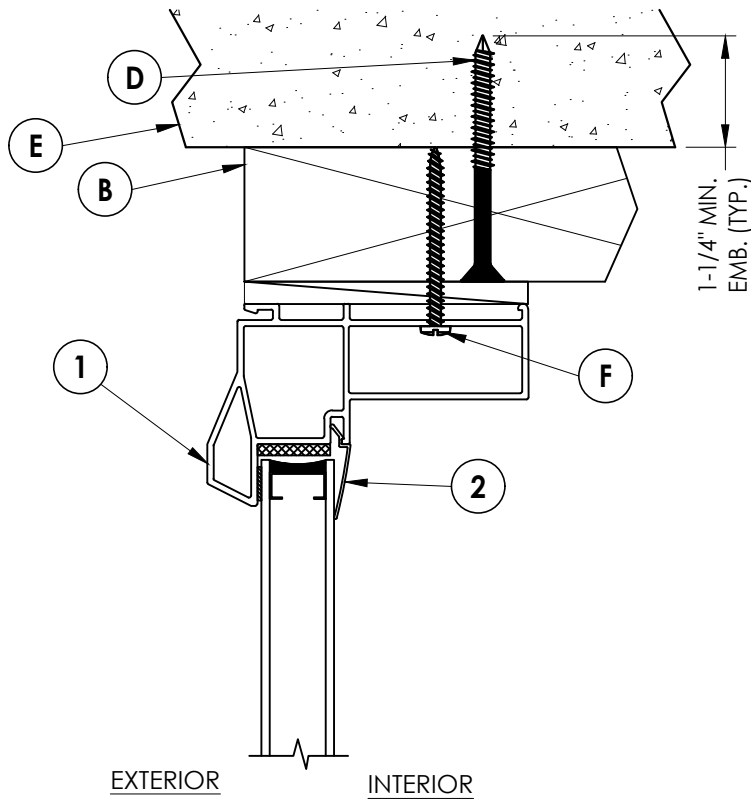
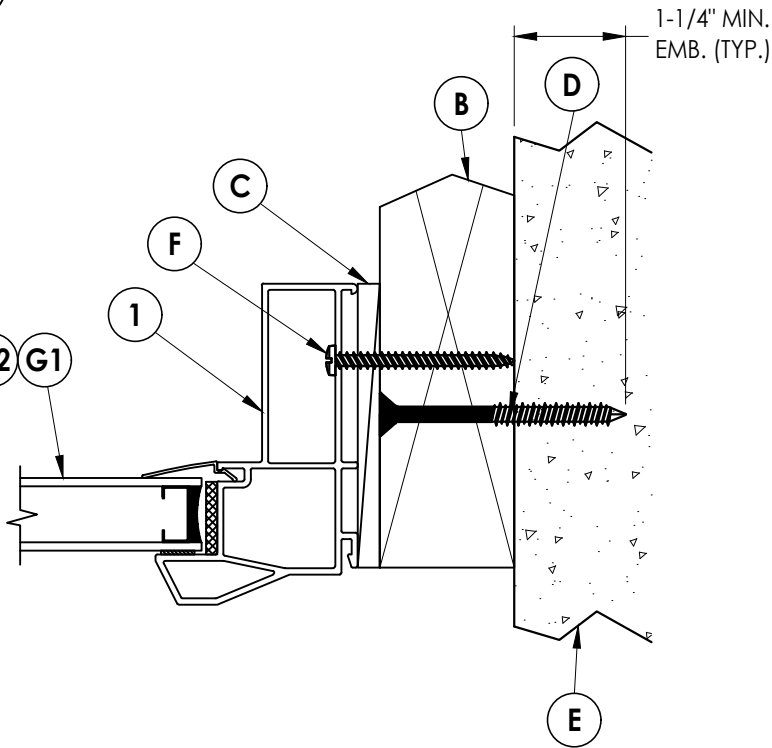
Z:\2023 FBC Drawings\Associated Materials, Inc\FL-9909 R19\FL-9909.3.dwg



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



1 HORIZONTAL CROSS SECTION
2 2X Buck Masonry Construction



2 VERTICAL CROSS SECTION
2 2X Buck Masonry 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: **FIXED WINDOW**
PART OR ASSEMBLY: **VERTICAL & HORIZONTAL CROSS SECTIONS**

NO.	DATE	REVISIONS					
		NO.	DATE	BY	JK	LFS	DAC
9	7/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
8	8/19/20	UPDATE TO 7th ED. (2020)	FBC	DAC			
7	2/14/19	UPDATE FOR NEW TESTING	FBC	LFS			
6	8/24/17	UPDATE TO 6TH ED. (2017)	FBC	LFS			
5	7/7/15	REVISE D.P. & ANCHORING	FBC	LFS			
4	1/27/15	UPDATE TO 5TH ED. (2014)	FBC	JK			

DATE: 12/03/08

SCALE: N.T.S.

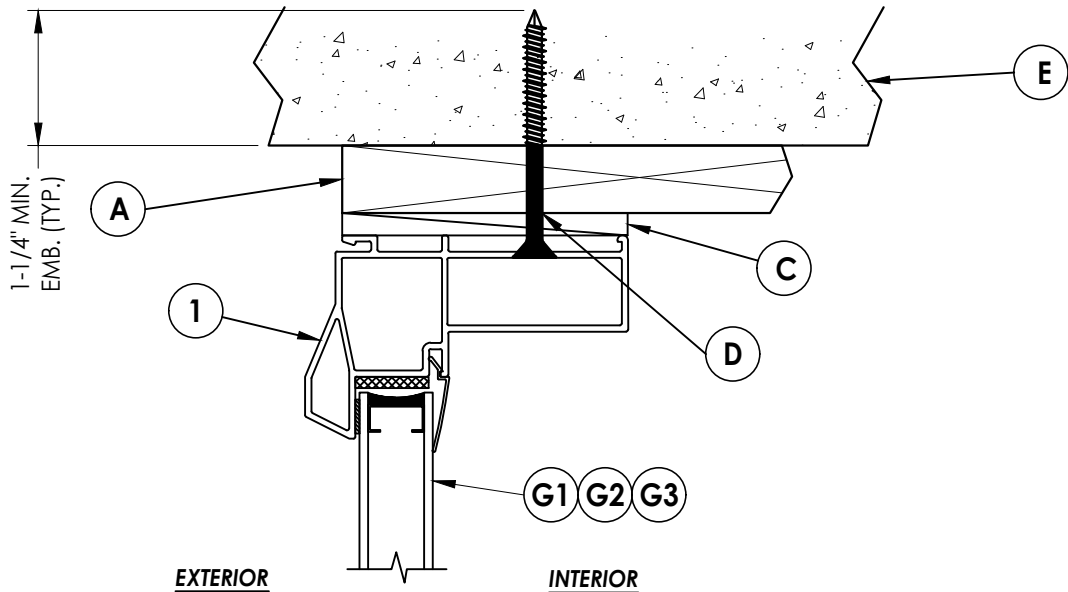
DWG. BY: JK

CHK. BY: LFS

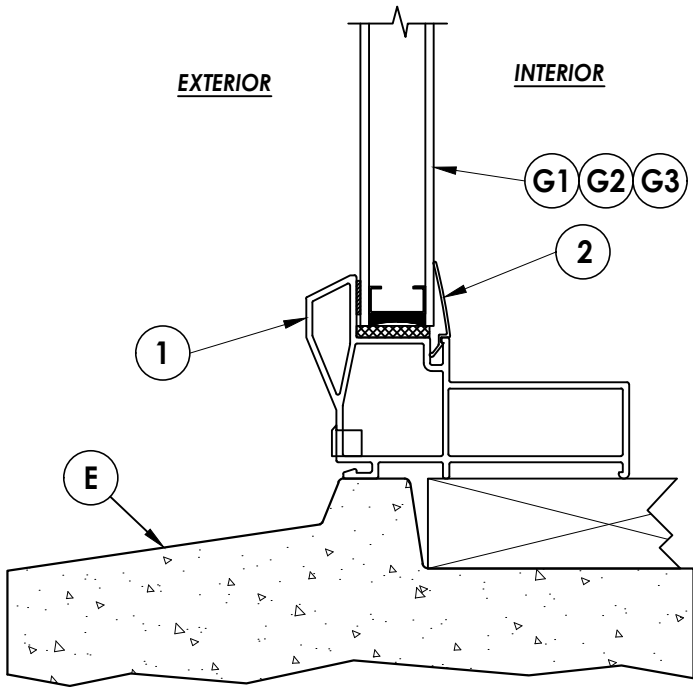
DRAWING NO.: FL-9909.3

SHEET 2 OF 6

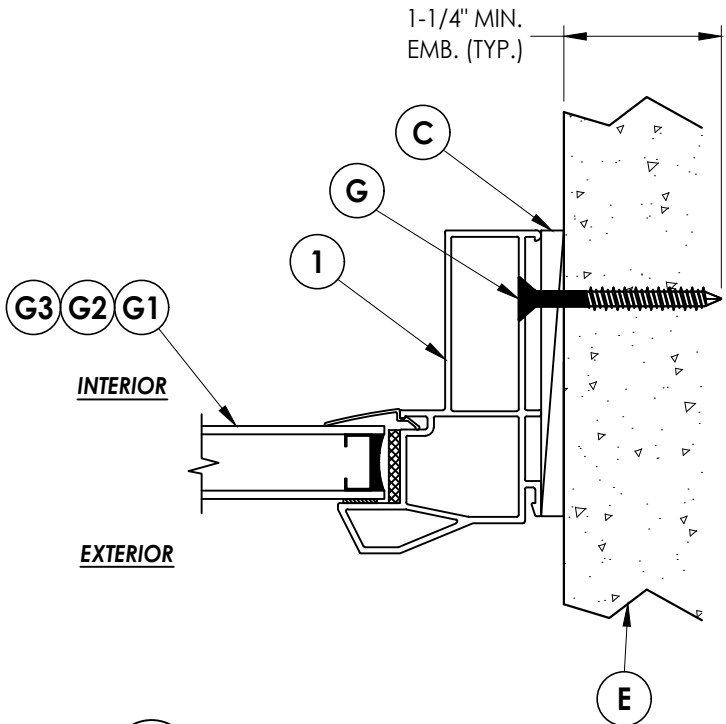
Z:\2023 FBC Drawings\Associated Materials, Inc\FL-9909 R19\FL-9909.3.dwg



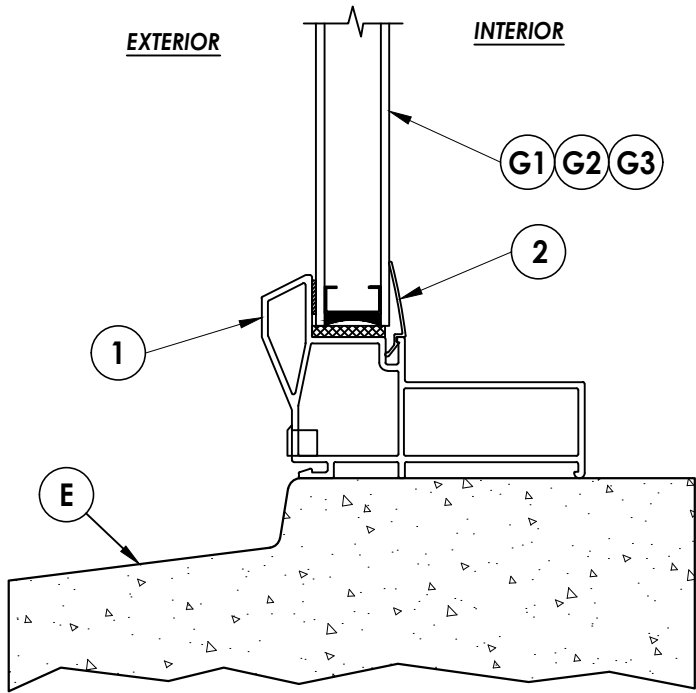
2 VERTICAL CROSS SECTION
3 Shown w/1X sub-buck



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
9	7/14/23	UPDATE TO 8TH ED. (2023) FBC
8	8/19/20	UPDATE TO 7th ED. (2020) FBC
7	2/14/19	UPDATE FOR NEW TESTING
6	8/24/17	UPDATE TO 6TH ED. (2017) FBC
5	7/7/15	REVISE D.P. & ANCHORING
4	1/27/15	UPDATE TO 5TH ED. (2014) FBC
NO.	DATE	BY

DATE: 12/03/08

SCALE: N.T.S.

DWG. BY: JK

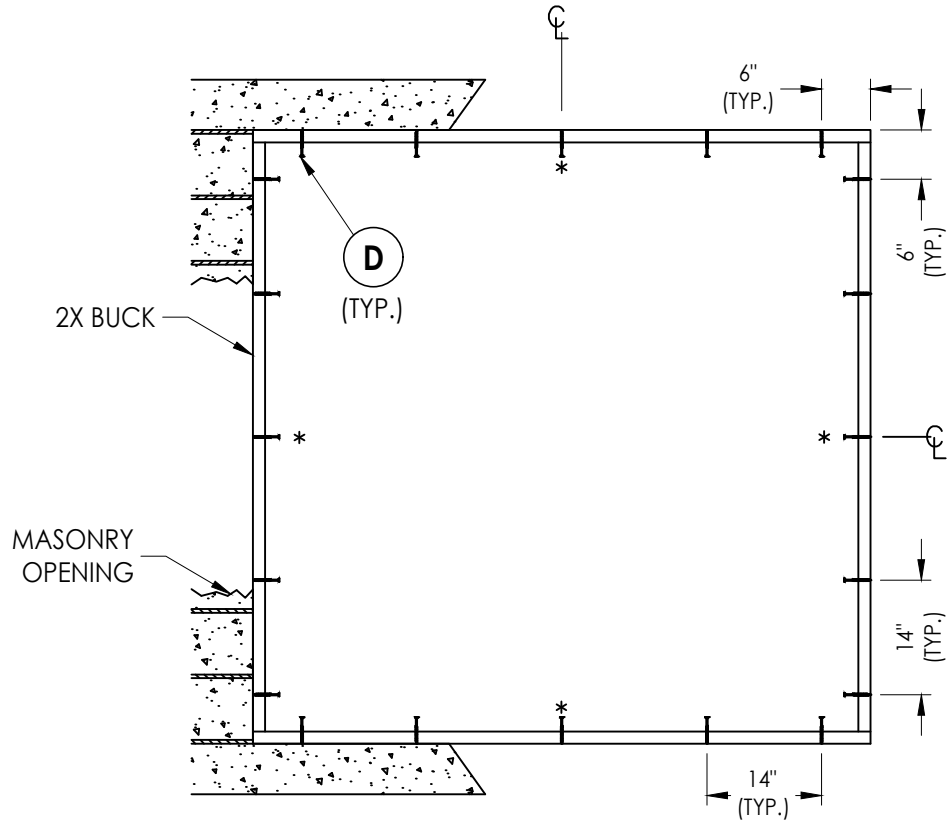
CHK. BY: LFS

DRAWING NO.:

FL-9909.3

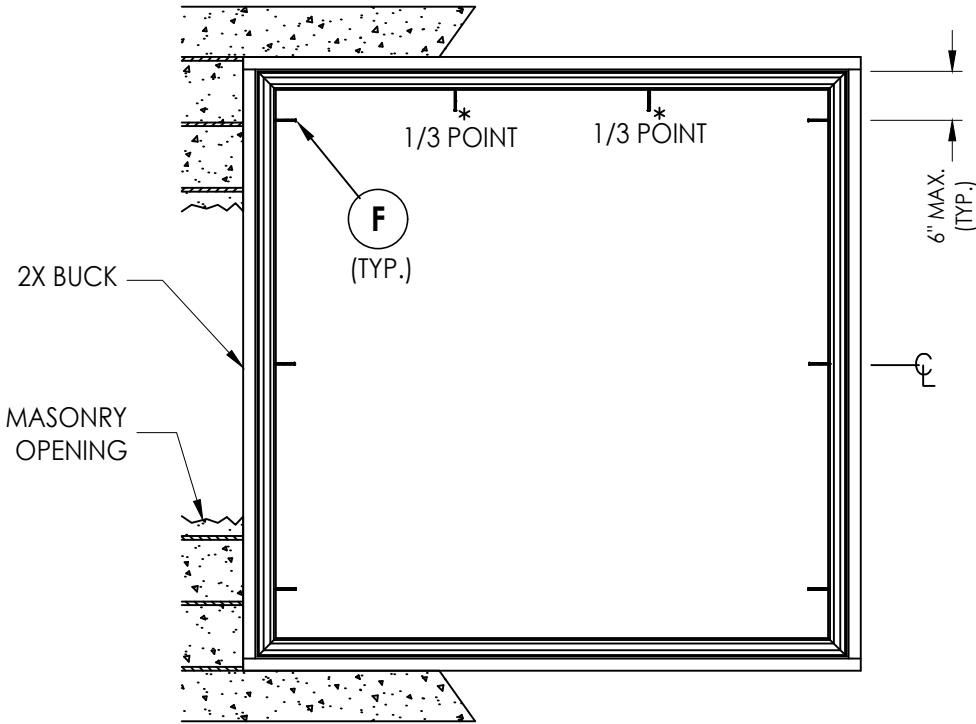
SHEET 3 OF 6

Z:\2023 FBC Drawings\Associated Materials, Inc\FL-9909 R19\FL-9909.3.dwg



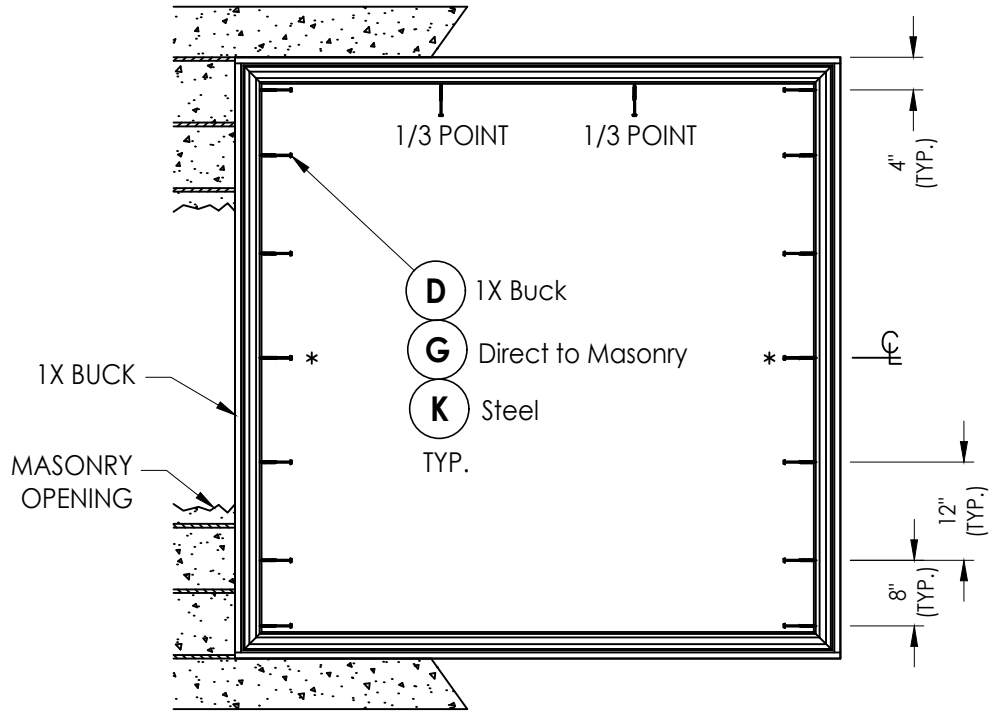
BUCK ANCHORING
(2X BUCK)

* Add anchors for width or height > 54"



FRAME ANCHORING
(2X BUCK)

* Add anchors for width > 48"



BUCK ANCHORING

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

* Add anchors for width or height > 56"

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.

For anchoring on this sheet

DO NOT EXCEED 72" HEIGHT OR WIDTH

Refer to sheet 1 for applicable sizes/glazing

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:

BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
9	7/14/23	UPDATE TO 8TH ED. (2023) FBC
8	8/19/20	UPDATE TO 7th ED. (2020) FBC
7	2/14/19	UPDATE FOR NEW TESTING
6	8/24/17	UPDATE TO 6TH ED. (2017) FBC
5	7/7/15	REVISE D.P. & ANCHORING
4	1/27/15	UPDATE TO 5TH ED. (2014) FBC
NO.	DATE	BY

DATE: 12/03/08

SCALE: N.T.S.

DWG. BY: JK

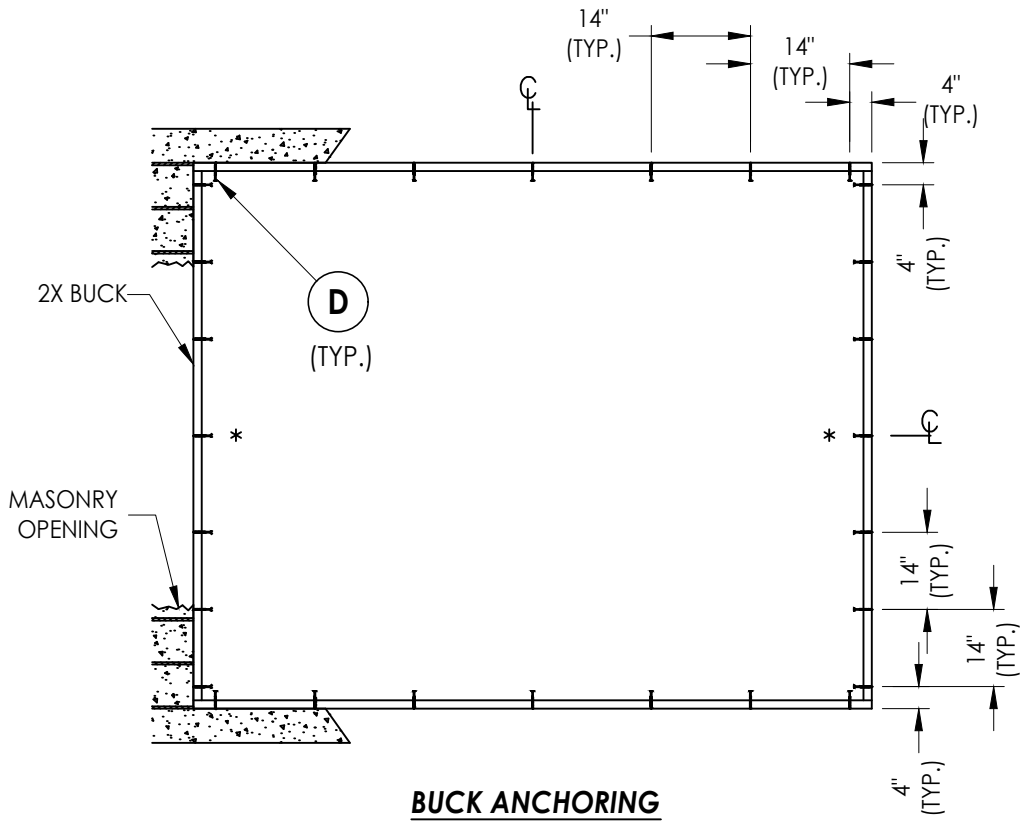
CHK. BY: LFS

DRAWING NO.:

FL-9909.3

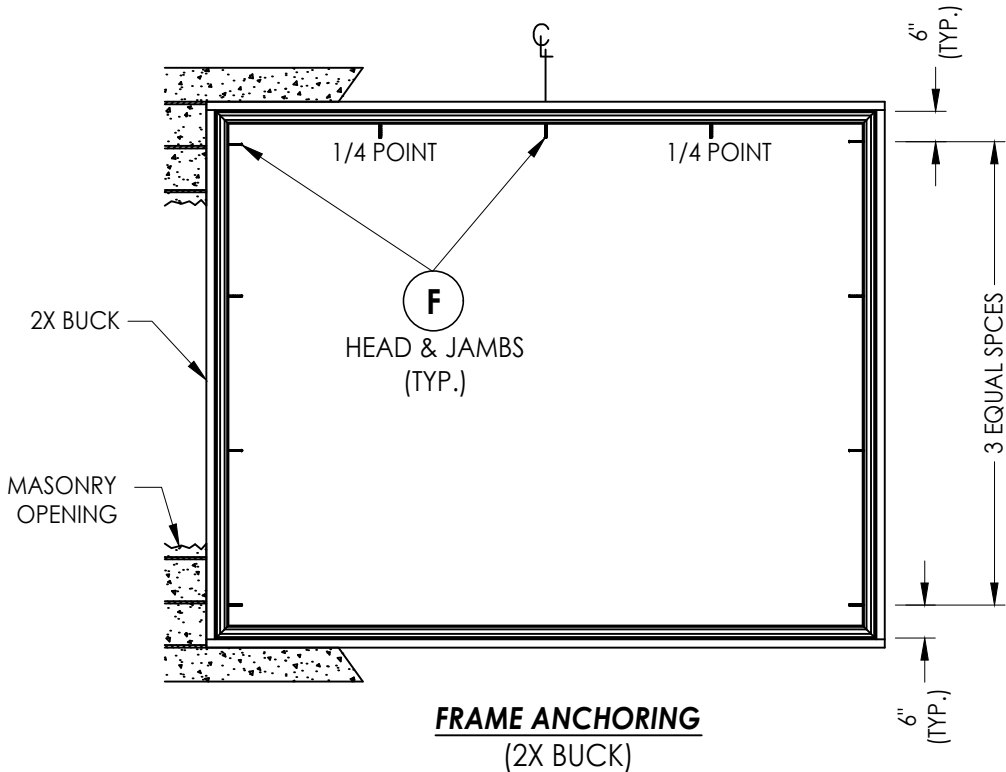
SHEET 4 OF 6

Z:\2023 FBC Drawings\Associated Materials, Inc\FL-9909 R19\FL-9909.3.dwg

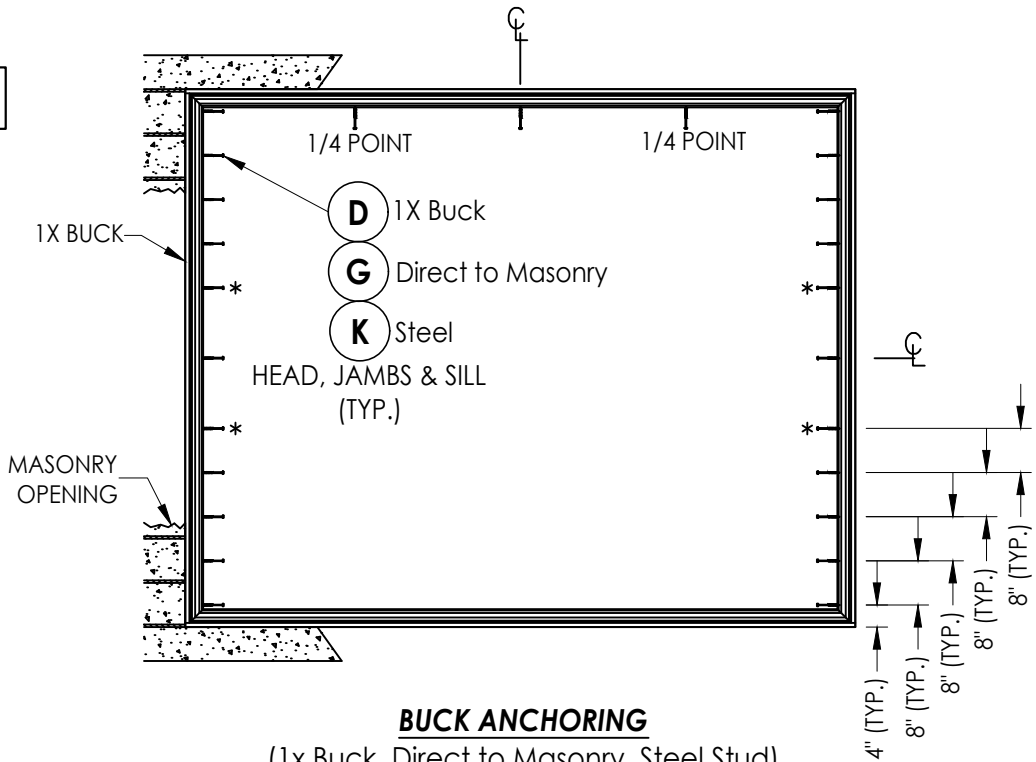


BUCK ANCHORING
(2X BUCK)

* Add anchors for height > 72"



FRAME ANCHORING
(2X BUCK)



BUCK ANCHORING
(1x Buck, Direct to Masonry, Steel Stud)
* Add anchors for height > 78"

For anchoring on this sheet
DO NOT EXCEED 84" HEIGHT OR 96" WIDTH
Refer to Sheet 1 for applicable sizes/glazing

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

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:

BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
9	7/14/23	UPDATE TO 8TH ED. (2023) FBC
8	8/19/20	UPDATE TO 7th ED. (2020) FBC
7	2/14/19	UPDATE FOR NEW TESTING
6	8/24/17	UPDATE TO 6TH ED. (2017) FBC
5	7/7/15	REVISE D.P. & ANCHORING
4	1/27/15	UPDATE TO 5TH ED. (2014) FBC
JK		BY
LFS		BY

DATE: 12/03/08

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

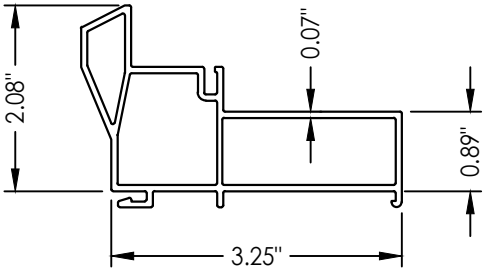
FL-9909.3

SHEET 5 OF 6

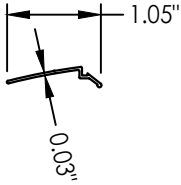
Z:\2023 FBC Drawings\Associated Materials, Inc\FL-9909 R19\FL-9909.3.dwg

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 (1-1/2" 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	-

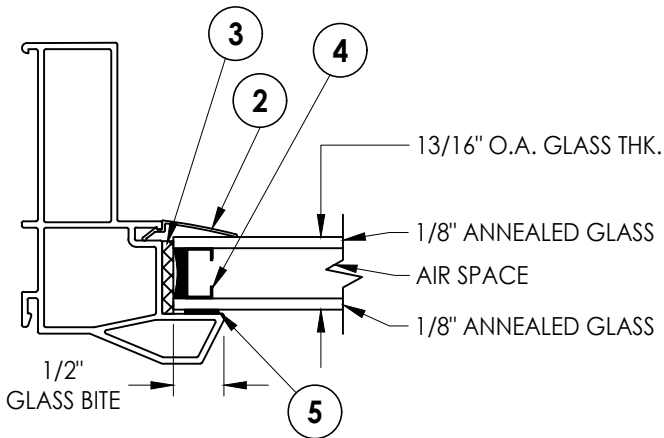
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



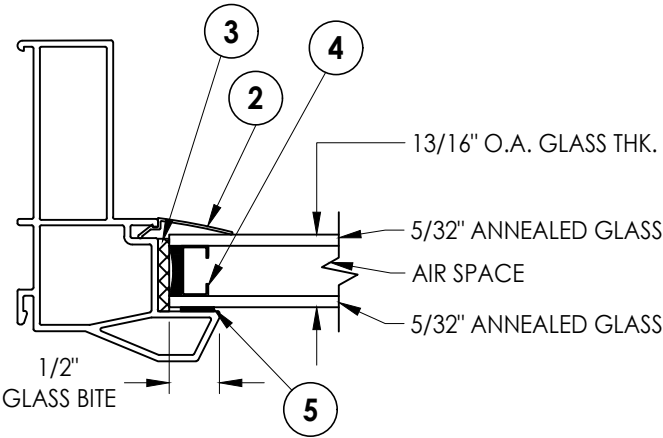
1 FRAME



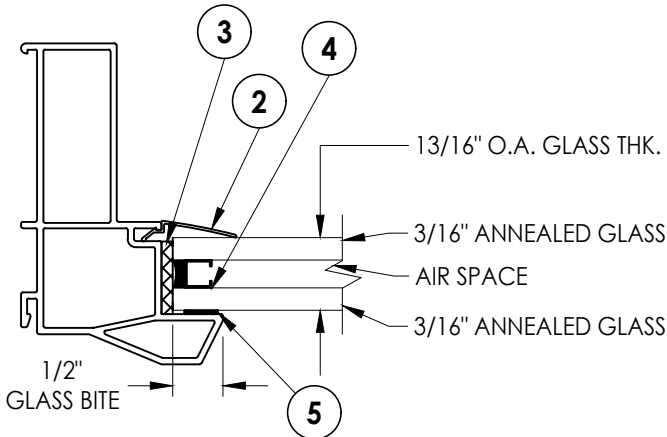
2 GLAZING BEAD



G1 GLAZING DETAIL



G2 GLAZING DETAIL



G3 GLAZING DETAIL

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			
LFS	9	7/14/23	UPDATE TO 8TH ED. (2023)	FBC	REVISIONS		
DAC	8	8/19/20	UPDATE TO 7th ED. (2020)	FBC			
LFS	7	2/14/19	UPDATE FOR NEW TESTING				
LFS	6	8/24/17	UPDATE TO 6TH ED. (2017)	FBC			
LFS	5	7/7/15	REVISE D.P. & ANCHORING				
JK	4	1/27/15	UPDATE TO 5TH ED. (2014)	FBC			
BY	NO.	DATE					
DATE: 12/03/08							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-9909.3							
SHEET 6 OF 6							

© 2011 R.W. BUILDING CONSULTANTS INC.