

MILLWORK ARTISANS

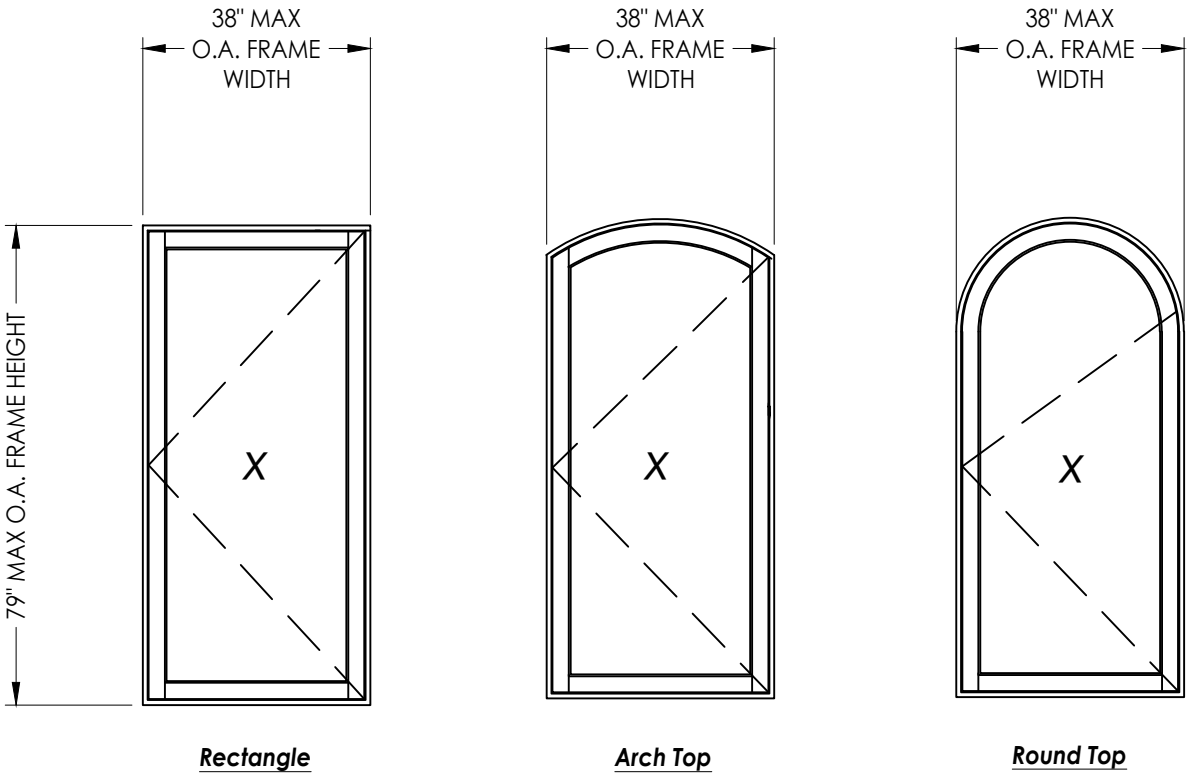
145 KING STREET
CHARLESTON, SC 29401

CASEMENT WINDOW
"American" Frame
OUTSWING
"IMPACT"

GENERAL NOTES

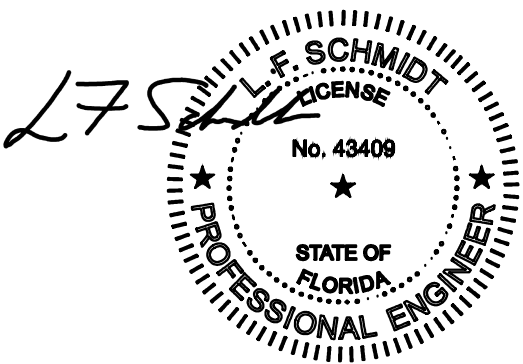
- 1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
- 2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 3. When used in the "HVHZ" this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
- 4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 5. All window frame wood to be Sapele (Specific Gravity = 0.55).
- 6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- 7. This product meets water infiltration requirements for "HVHZ".

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures, & general notes
2	Elevations
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring
6	Hardware details
7	Bill of materials, glazing detail and components



OVERALL FRAME DIMENSION	MAX. SASH DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
38.0" x 79.0"	36.0" x 77.0"	30.0" x 71.0"	G1, G2	+75.0	-75.0

NOTE: Do not install above 30 ft. elevation in the "HVHZ" with G1 glazing.



Digitally signed by
Lyndon F Schmidt
Date: 2023.09.14
15:13:50 -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

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

PRODUCT:
MILLWORK ARTISANS
CASEMENT WINDOW

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

4	9/14/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	9/29/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	10/3/17	UPDATE TO 6TH ED. (2017) FBC	JK
1	3/03/15	UPDATE TO 5TH ED. (2014) FBC	JK
NO.	DATE		BY

REVISIONS

DATE: 12/4/14

SCALE: N.T.S.

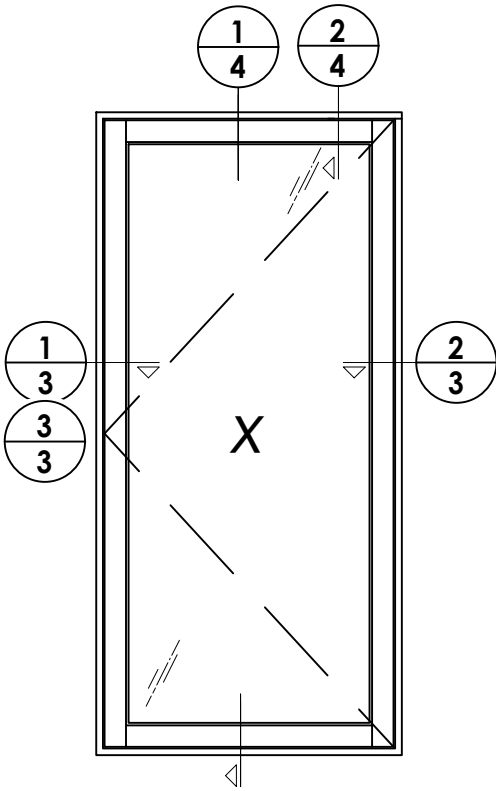
DWG. BY: JK

CHK. BY: LFS

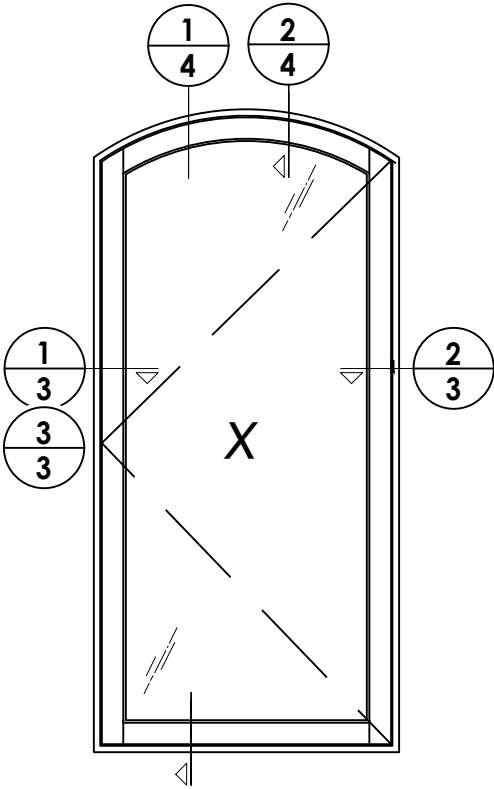
DRAWING NO.: FL-17413.3

SHEET 1 OF 7

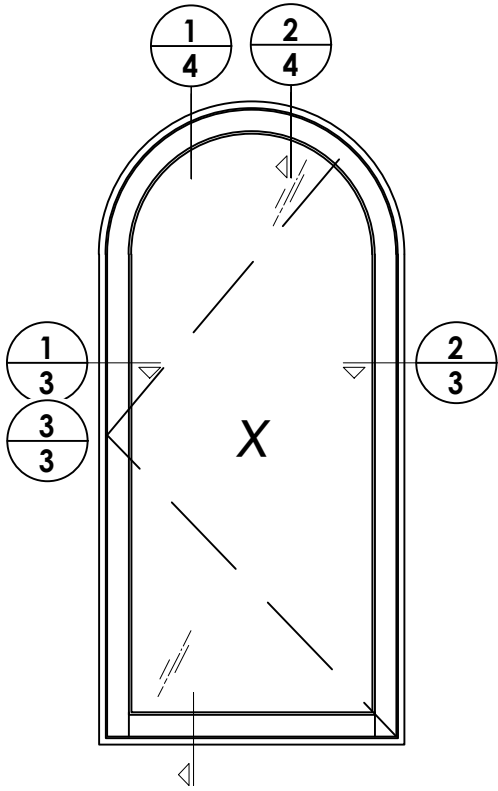
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



Rectangular



Arch Top



Round Top

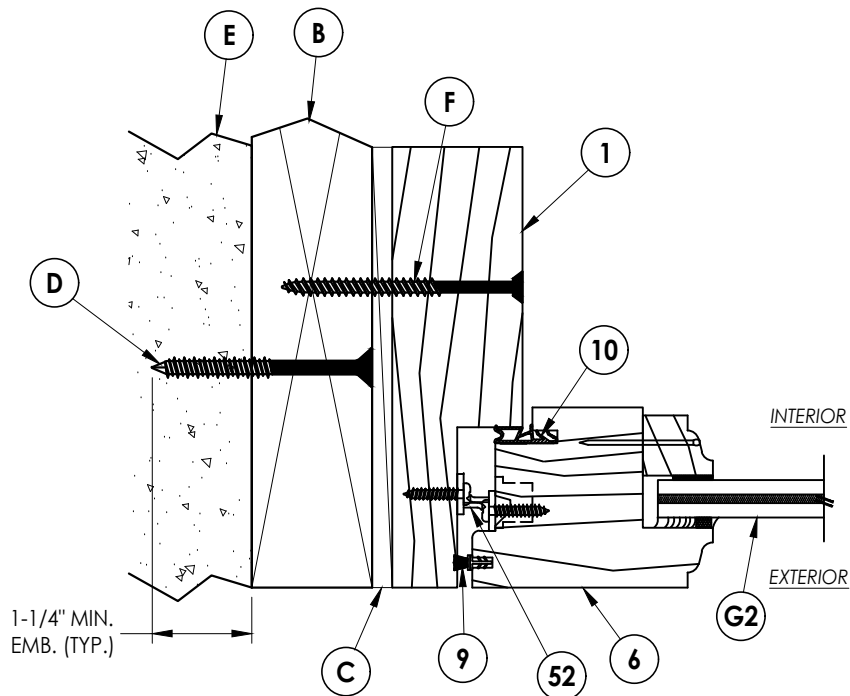
DATE: 12/4/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17413.3
SHEET 2 OF 7

NO.	DATE	REVISIONS			
		DATE	DESCRIPTION	BY	CHK
4	9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	9/29/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
2	10/3/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
1	3/03/15	UPDATE TO 5TH ED. (2014)	FBC	JK	

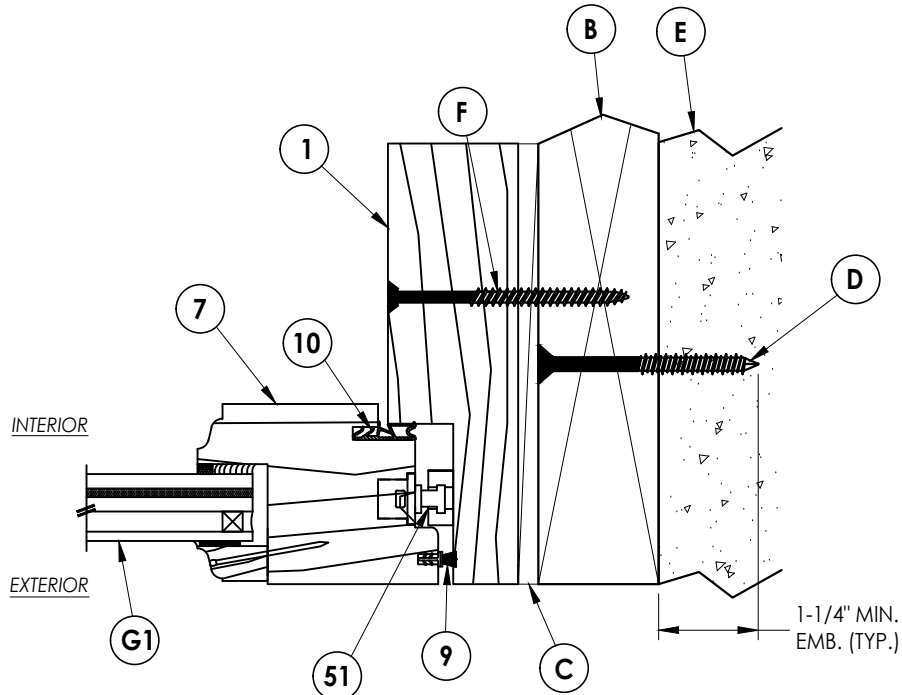
PRODUCT:	MILLWORK ARTISANS CASEMENT WINDOW
	PART OR ASSEMBLY: ELEVATIONS

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

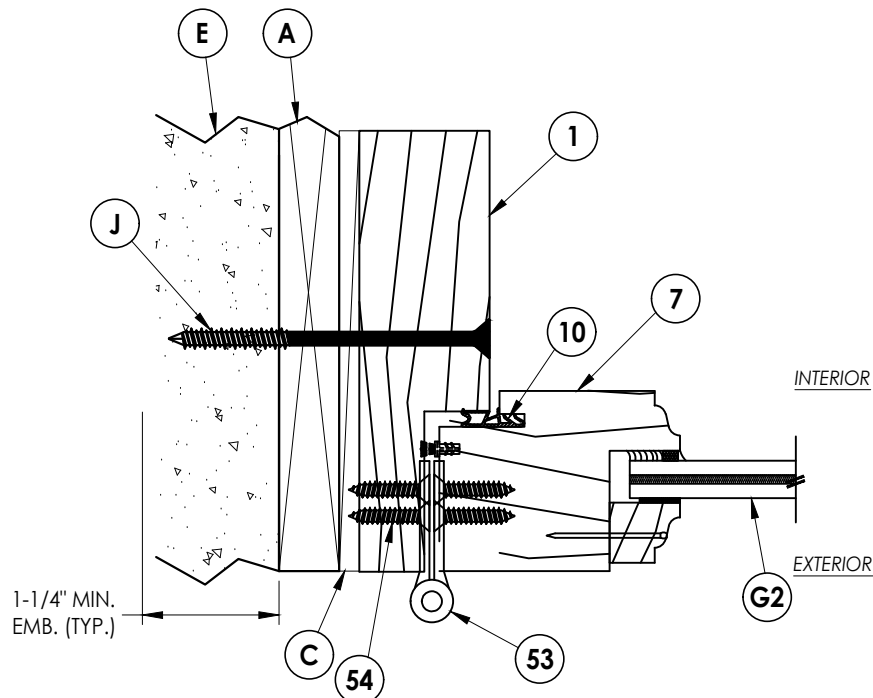
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



1
3 **HORIZONTAL CROSS SECTION**
2X Buck Construction
Shown w/ Snubbers



2
3 **HORIZONTAL CROSS SECTION**
2X Buck Construction
Shown w/ Multi-Point Lock (Segenia)



3
3 **HORIZONTAL CROSS SECTION**
1X Buck Construction
Shown w/ Butt Hinge

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:
MILLWORK ARTISANS
CASEMENT WINDOW

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS			
		DATE	BY	CHK.	APP.
4	9/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	9/29/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
2	10/3/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
1	3/03/15	UPDATE TO 5TH ED. (2014)	FBC	JK	

DATE: 12/4/14

SCALE: N.T.S.

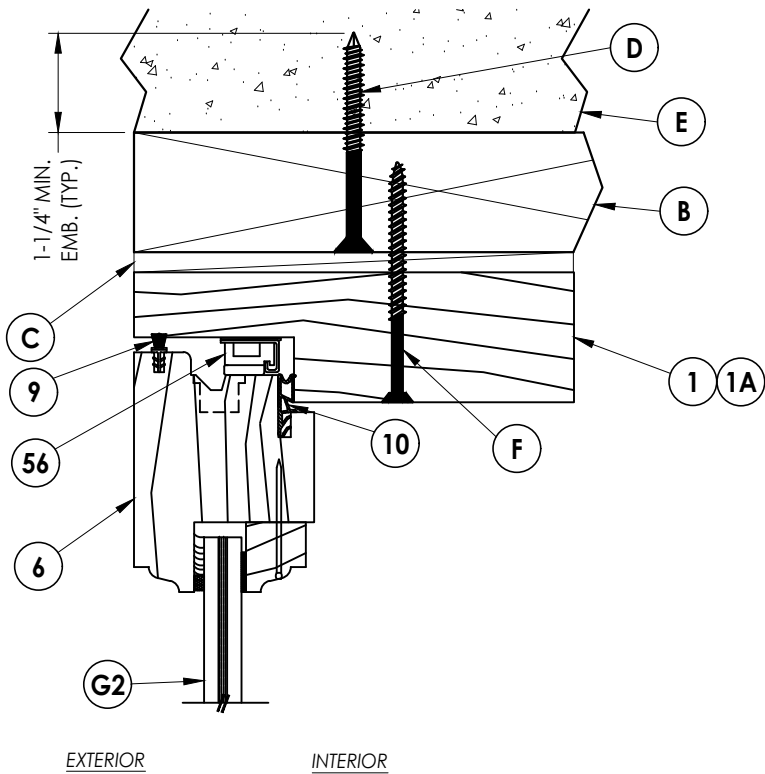
DWG. BY: JK

CHK. BY: LFS

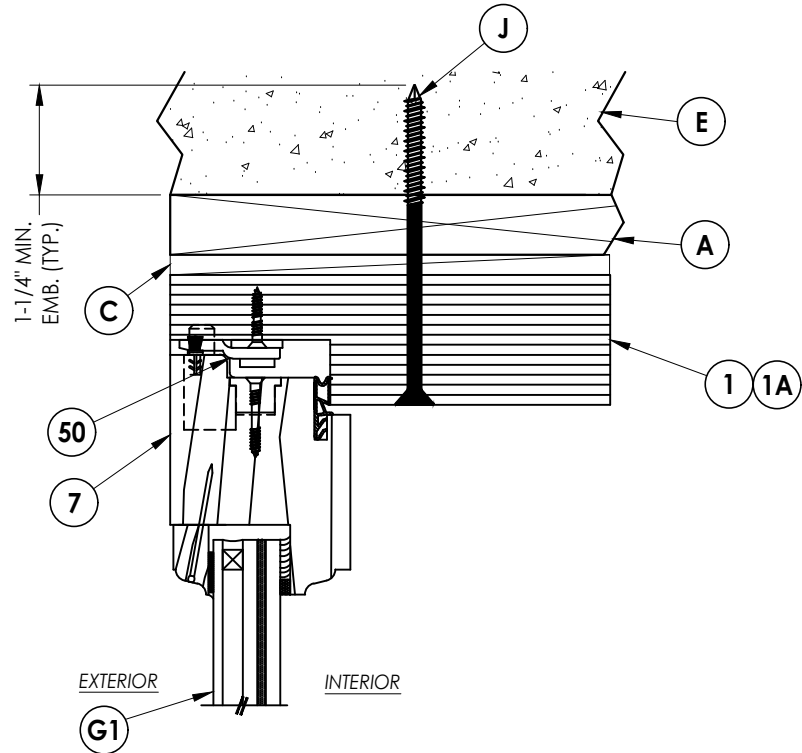
DRAWING NO.:

FL-17413.3

SHEET 3 OF 7



1
4 **VERTICAL CROSS SECTION**
2X Buck Construction
(Thru-the-Frame Installation)
Shown w/ 2-Bar Hinge (Truth)



2
4 **VERTICAL CROSS SECTION**
1X Buck Construction
(Thru-the-Frame Installation)
Shown w/ Contura Series Multi-Point Lock (GU)

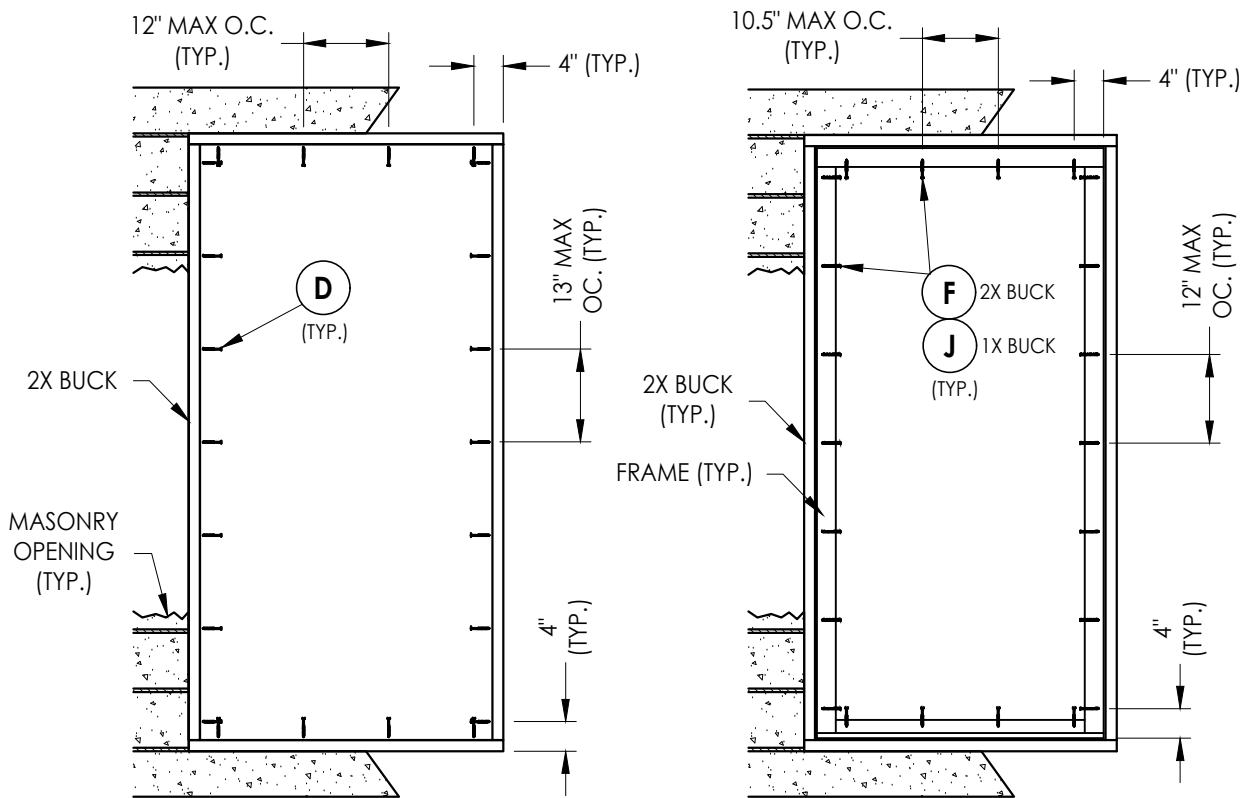
DATE:	12/4/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17413.3
SHEET	4 OF 7

PRODUCT:	MILLWORK ARTISANS CASEMENT WINDOW
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

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
---	---

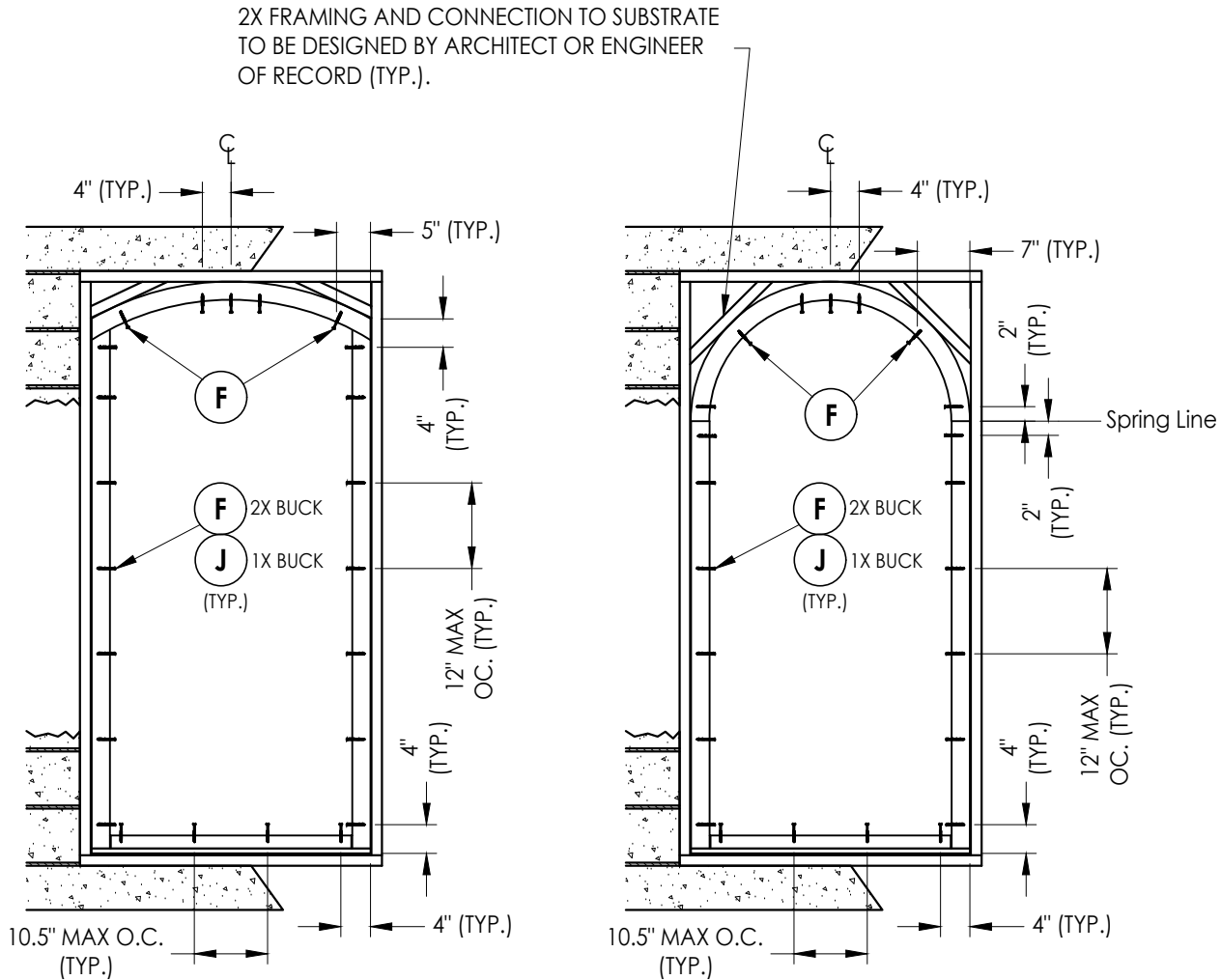
NO.	DATE	REVISIONS
4	9/14/23	UPDATE TO 8TH ED. (2023) FBC
3	9/29/20	UPDATE TO 7TH ED. (2020) FBC
2	10/3/17	UPDATE TO 6TH ED. (2017) FBC
1	3/03/15	UPDATE TO 5TH ED. (2014) FBC

Z:\2023 FBC Drawings\Millwork Artisans, LLC\FL-17413 R4\FL-17413.1-6.dwg



BUCK ANCHORING
Masonry construction

FRAME ANCHORING
Rectangular



FRAME ANCHORING
Arch Top

FRAME ANCHORING
Round Top

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 BUILDEX TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2"	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

PRODUCT:
MILLWORK ARTISANS
CASEMENT WINDOW

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
4	9/14/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	9/29/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	10/3/17	UPDATE TO 6TH ED. (2017) FBC JK
1	3/03/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 12/4/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

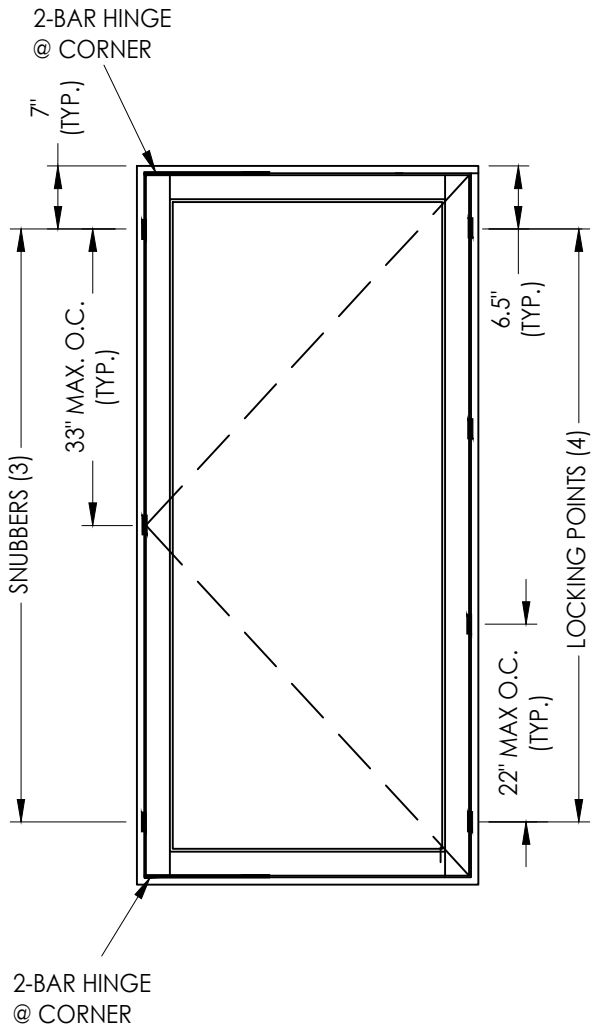
DRAWING NO.:

FL-17413.3

SHEET 5 OF 7

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

Z:\2023 FBC Drawings\Millwork Artisans, LLC\FL-17413 R4\FL-17413.1-6.dwg

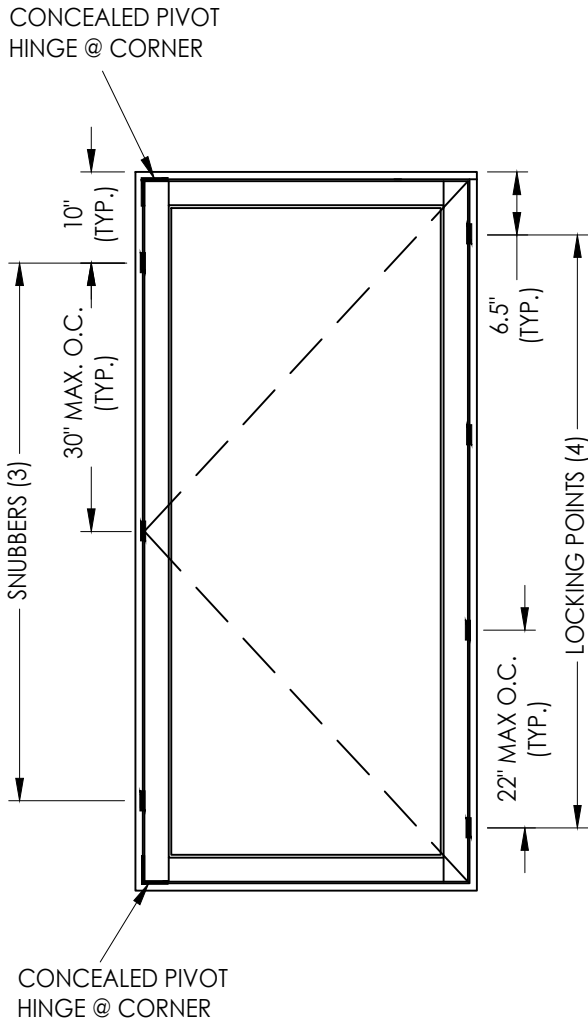


HARDWARE

MULTI-POINT LOCK:	TRUTH MAXIM SERIES
CONCEALED HINGES:	TRUTH 2-BAR
SNUBBERS:	TRUTH

Lock Strike Requirements (Lock Stile)	
MAX. SASH HEIGHT	LOCKING POINTS
77"	4
55"	3
33"	2

Snubber Requirements (Hinge Stile)	
MAX. SASH HEIGHT	SNUBBER QUANTITY
77"	3
44"	2

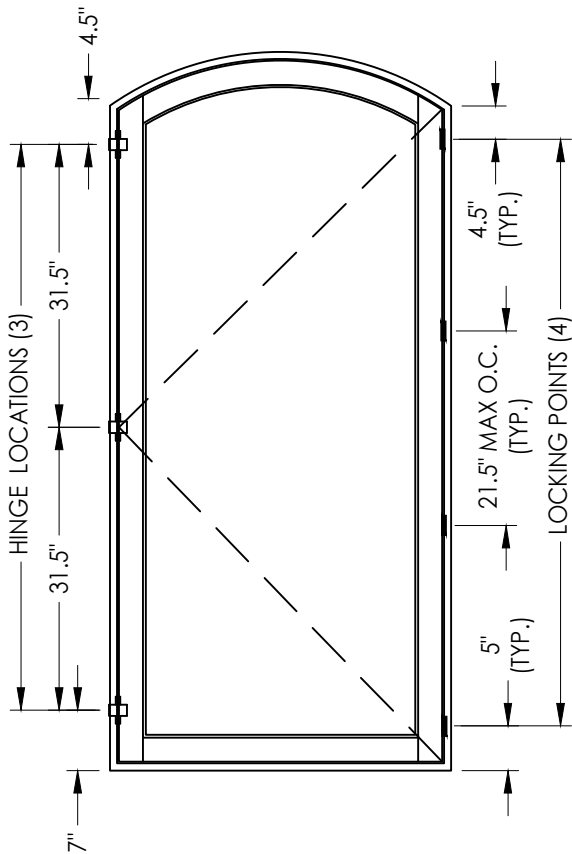


HARDWARE

MULTI-POINT LOCK:	GU CONTURA SERIES
CONCEALED HINGES:	GU CONTURA SERIES
SNUBBERS:	GU

Lock Strike Requirements (Lock Stile)	
MAX. SASH HEIGHT	LOCKING POINTS
77"	4
55"	3
33"	2

Snubber Requirements (Hinge Stile)	
MAX. SASH HEIGHT	SNUBBER QUANTITY
77"	3
47"	2

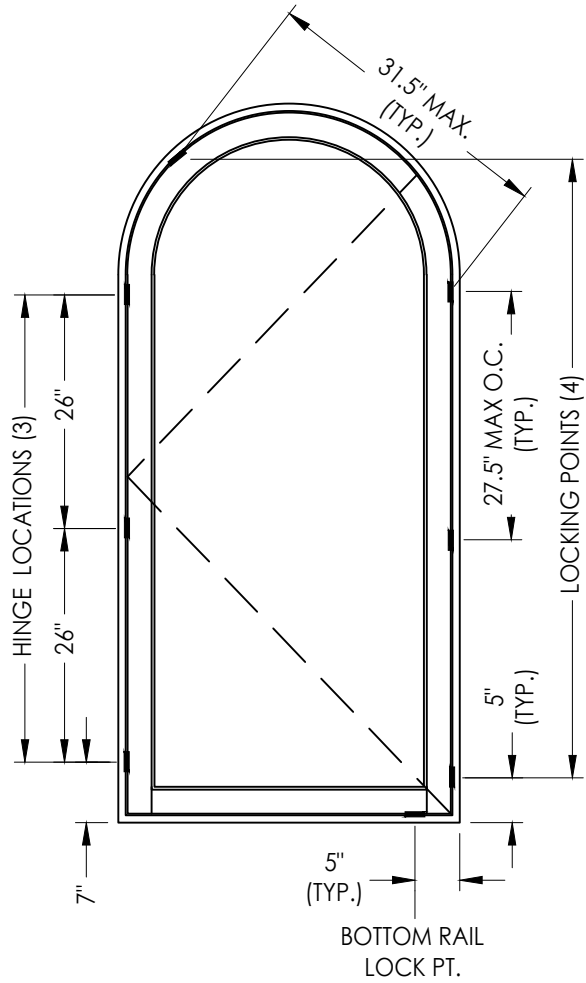


HARDWARE

MULTI-POINT LOCK:	SEGENIA SI-LINE 311
CONCEALED HINGES:	SOSS #212

Lock Strike Requirements (Lock Stile)	
MAX. SASH HEIGHT	LOCKING POINTS
77"	4
55.5"	3
34"	2

Hinge Requirements (Hinge Stile)	
MAX. SASH HEIGHT	HINGE QUANTITY
77"	3
45.5"	2



HARDWARE

MULTI-POINT LOCK:	SEGENIA SI-LINE 311
BUTT HINGES:	3.5" x 3.5" BRASS / S.S.

Lock Strike Requirements (Lock Stile)	
MAX. SASH HEIGHT	LOCKING POINTS
77"	4
49.5"	3

Hinge Requirements (Hinge Stile)	
MAX. SASH HEIGHT	HINGE QUANTITY
77"	3
51"	2

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:
MILLWORK ARTISANS
CASEMENT WINDOW

PART OR ASSEMBLY:
HARDWARE DETAILS

NO.	DATE	REVISIONS
4	9/14/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	9/29/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	10/3/17	UPDATE TO 6TH ED. (2017) FBC JK
1	3/03/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE:	12/4/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17413.3
SHEET	6 OF 7

