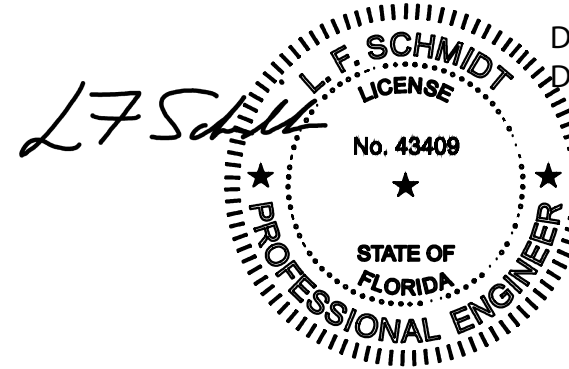




6400 Series
EXTRUDED THERMALLY BROKEN
FIXED ALUMINUM WINDOW
"IMPACT"

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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 (up to a max. frame area of 19.6 ft²) as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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 elevation, general notes and design pressures
2	Horizontal and vertical cross sections
3	Buck and frame anchoring - 2X buck
4	Frame anchoring - 1X buck / direct to masonry
5	Bill of materials, glazing detail 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.

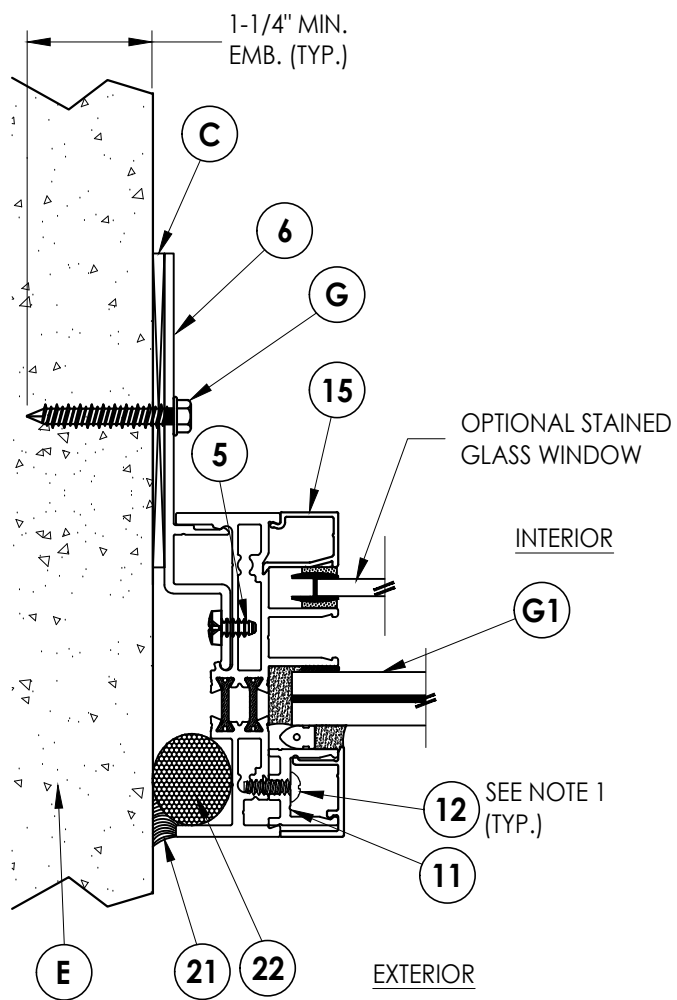
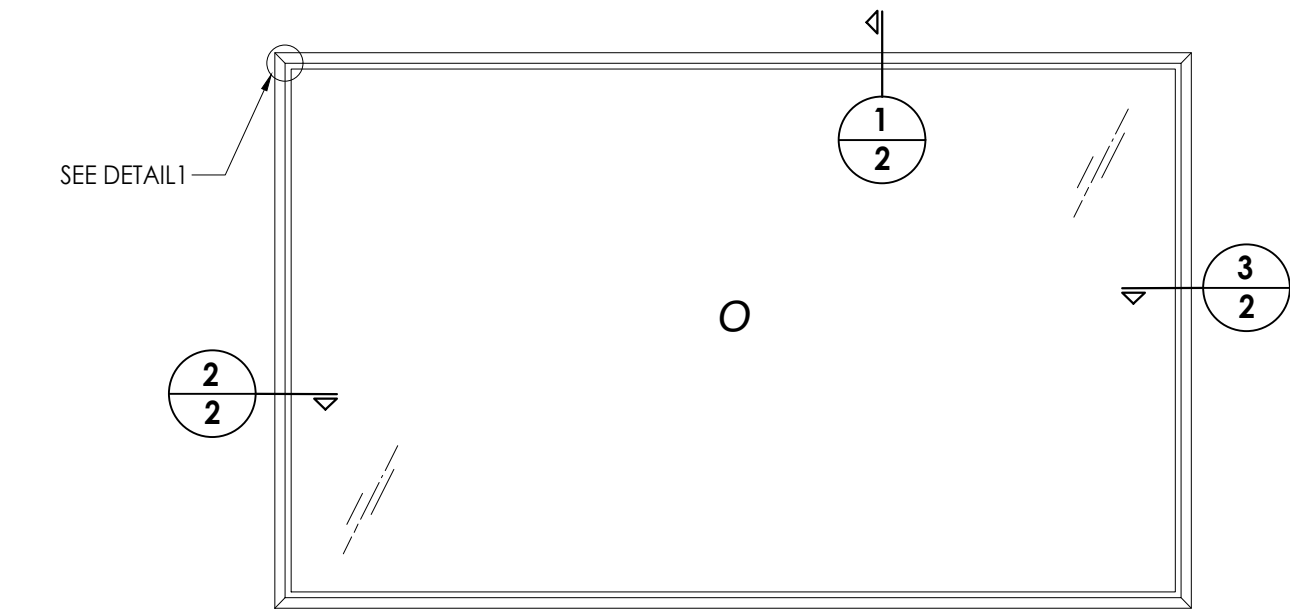
Technical drawing of a rectangular frame. The drawing includes the following dimensions and features:

- 99.0" MAX. FRAME WIDTH**: Dimension across the top of the frame.
- 95.5" MAX. D.L.O. WIDTH**: Dimension across the top of the frame, slightly less than the frame width.
- 60.0" MAX. FRAME HEIGHT**: Dimension along the left side of the frame.
- 56.5" MAX. D.L.O. HEIGHT**: Dimension along the left side of the frame, slightly less than the frame height.
- Central Circle**: A large circle is centered within the frame.
- Diagonal Lines**: Two sets of parallel diagonal lines are shown, one in the bottom-left corner and one in the top-right corner, likely indicating a break or a specific material.

MAX. O.A. DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
99.0" X 60.0"	95.5" X 56.5"	G1, G2	+ 65.0	- 65.0

[illegible]

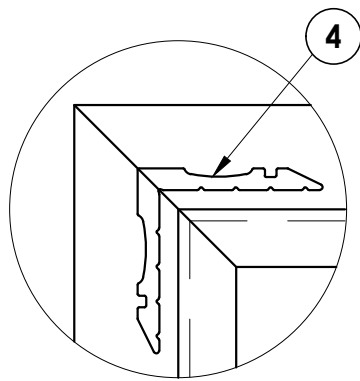
Z:\2023 FBC Drawings\J. Sussman, Inc\FL-14163 R4\FL-14163.1-6.dwg



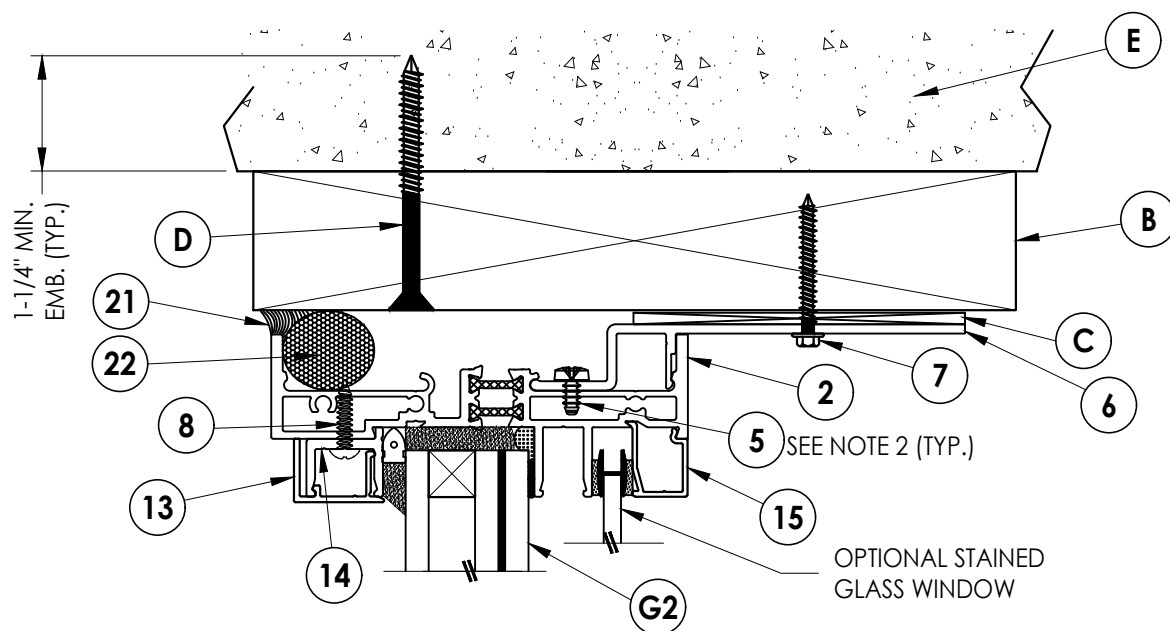
2 HORIZONTAL CROSS SECTION
2 Direct to Masonry
Shown w/ 9/16" glazing

NOTES:

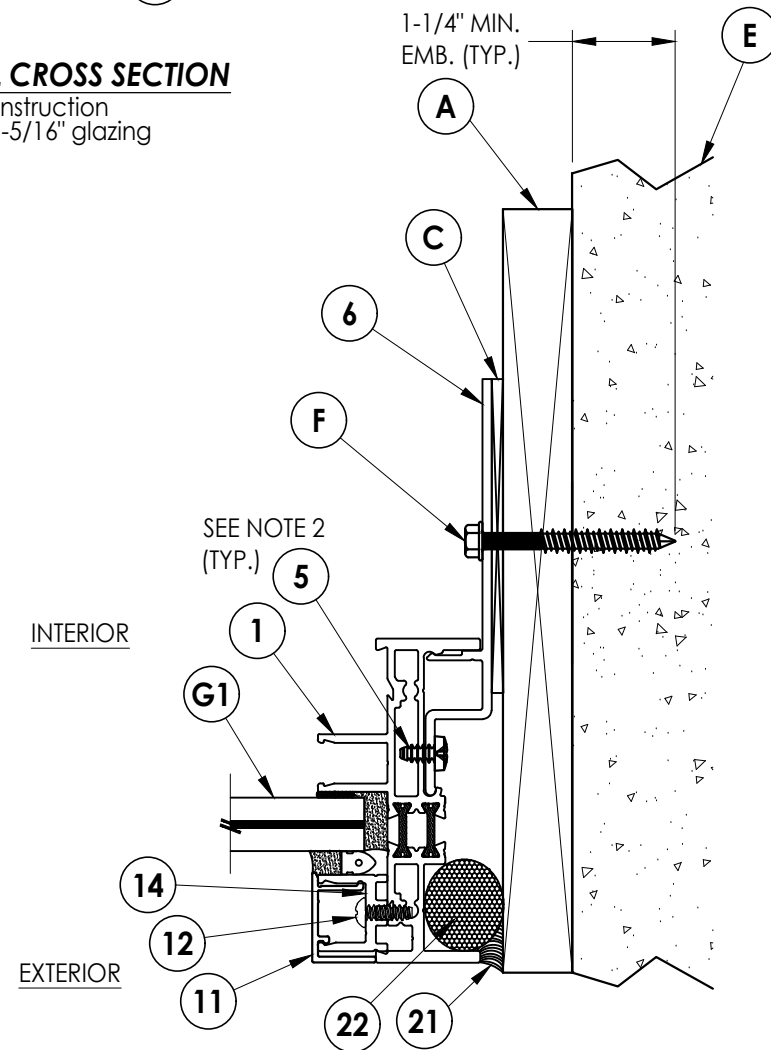
1. Glazing stop secured to frame with item #8 or #12 spaced 12" o.c. throughout.
2. Anchor strap secured to frame with item #5, one per strap.



DETAIL 1
Corner Construction



1 VERTICAL CROSS SECTION
2 2X Buck Construction
Shown w/ 1-5/16" glazing



3 HORIZONTAL CROSS SECTION
2 1x Buck Construction
Shown w/ 9/16" glazing

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

PRODUCT: J. SUSSMAN INC.
6400 SERIES WINDOW

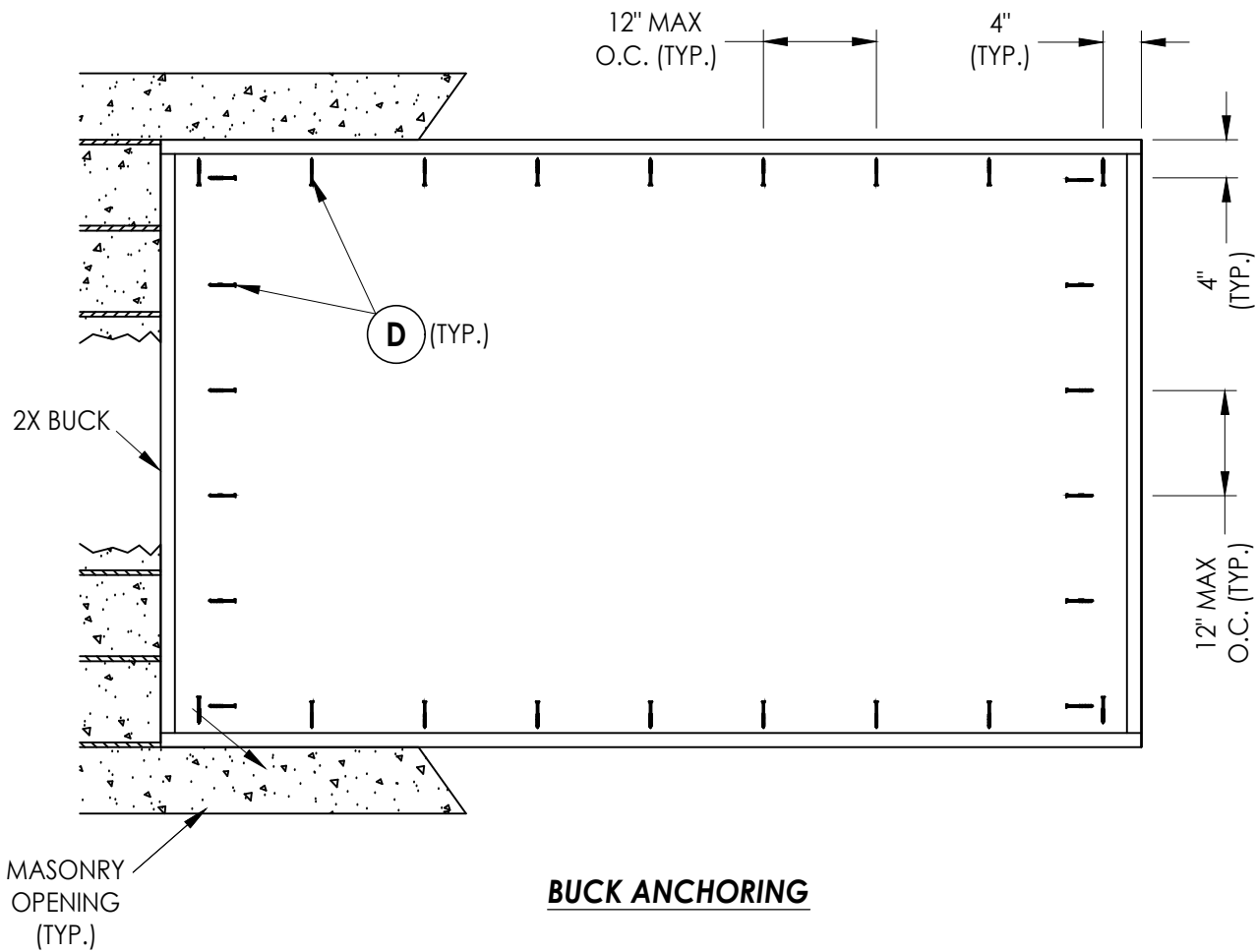
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:
HORIZONTAL AND VERTICAL
CROSS SECTIONS

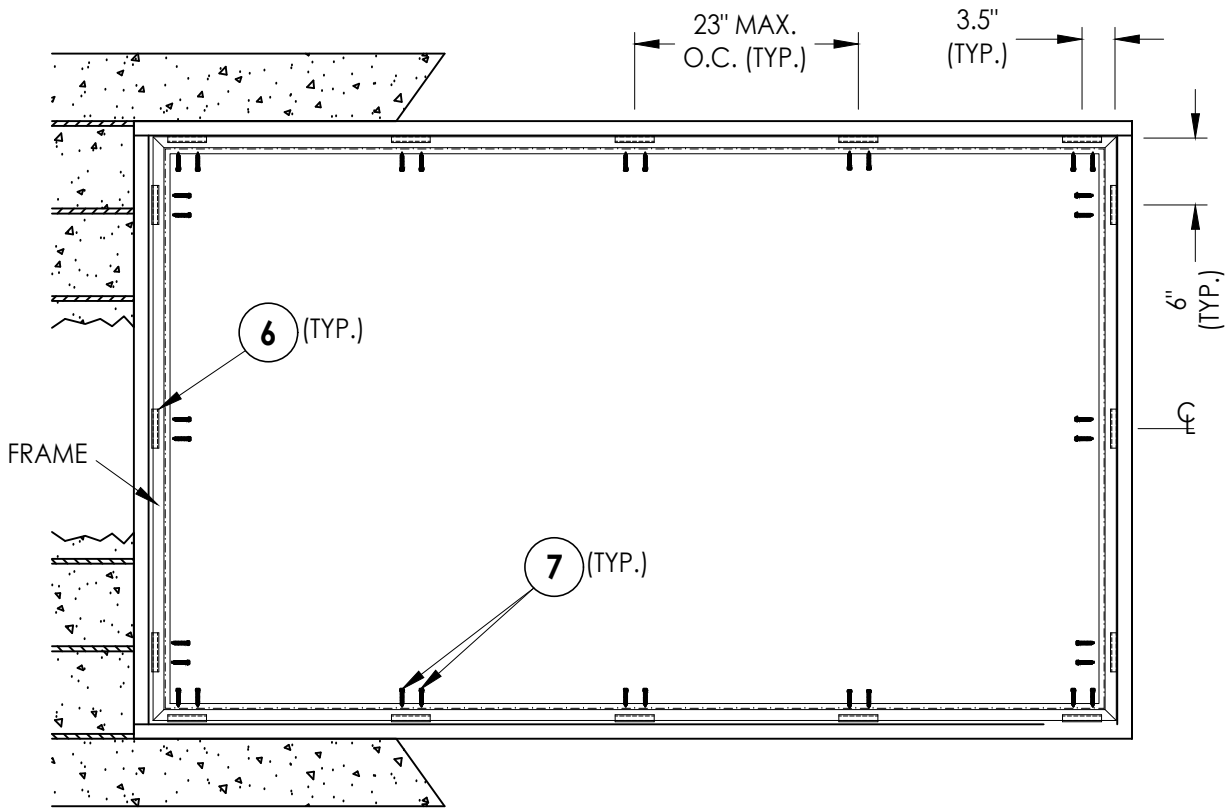
NO.	DATE	REVISIONS
4	8/29/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/26/20	UPDATE TO 7TH ED. (2020) FBC DAC
2	7/17/18	UPDATE TO 6TH ED. (2017) FBC LFS
1	1/25/12	UPDATE TO 2010 FBC KV
NO.	DATE	BY

DATE: 10/18/10
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14163.1
SHEET 2 OF 5

Z:\2023 FBC Drawings\J. Sussman, Inc\FL-14163 R4\FL-14163.1-6.dwg



BUCK ANCHORING



FRAME ANCHORING
2X Buck

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

PRODUCT: J. SUSSMAN INC.
6400 SERIES WINDOW

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

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING-
2X BUCK

NO.	DATE	REVISIONS
4	8/29/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/26/20	UPDATE TO 7TH ED. (2020) FBC DAC
2	7/17/18	UPDATE TO 6TH ED. (2017) FBC LFS
1	1/25/12	UPDATE TO 2010 FBC KV

DATE: 10/18/10

SCALE: N.T.S.

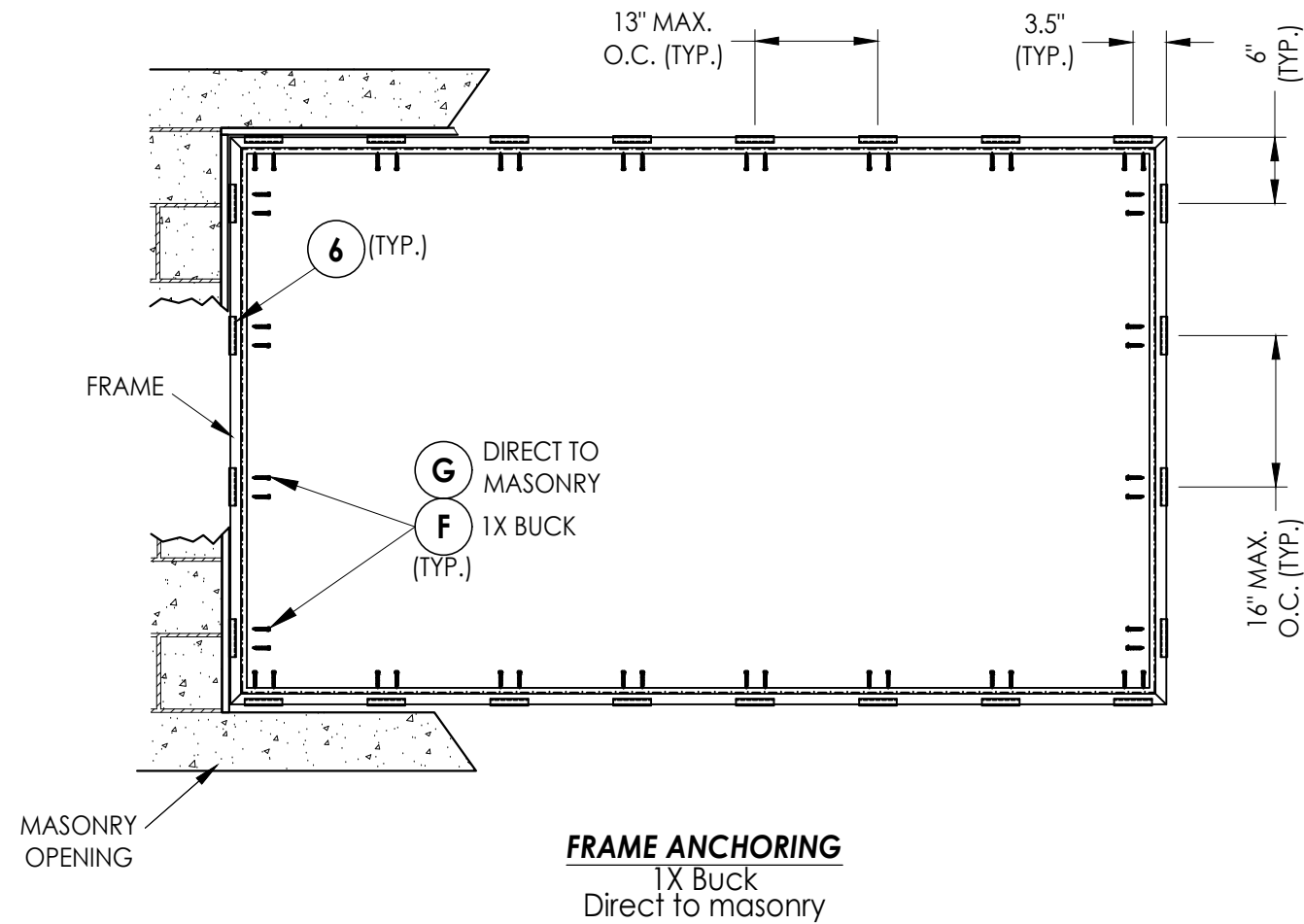
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-14163.1

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®	3/16"	1-1/4"	1-1/2"	2"

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.

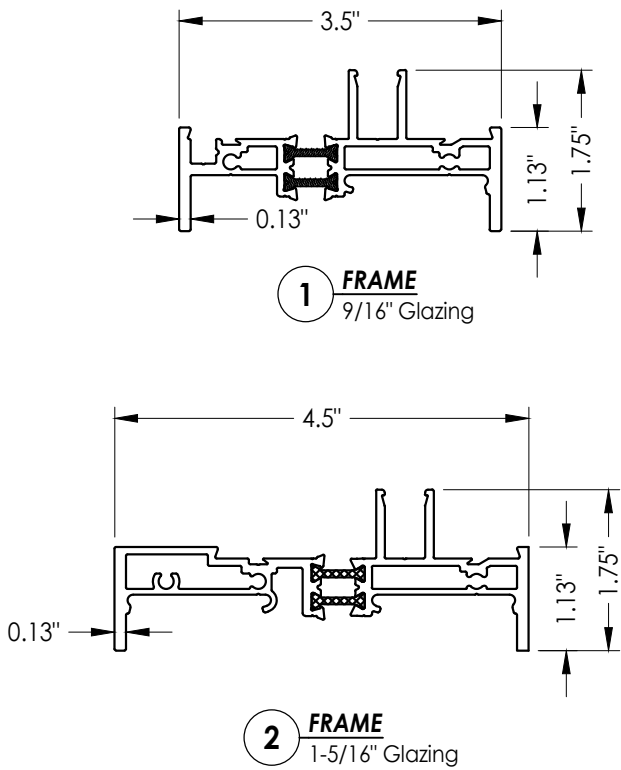
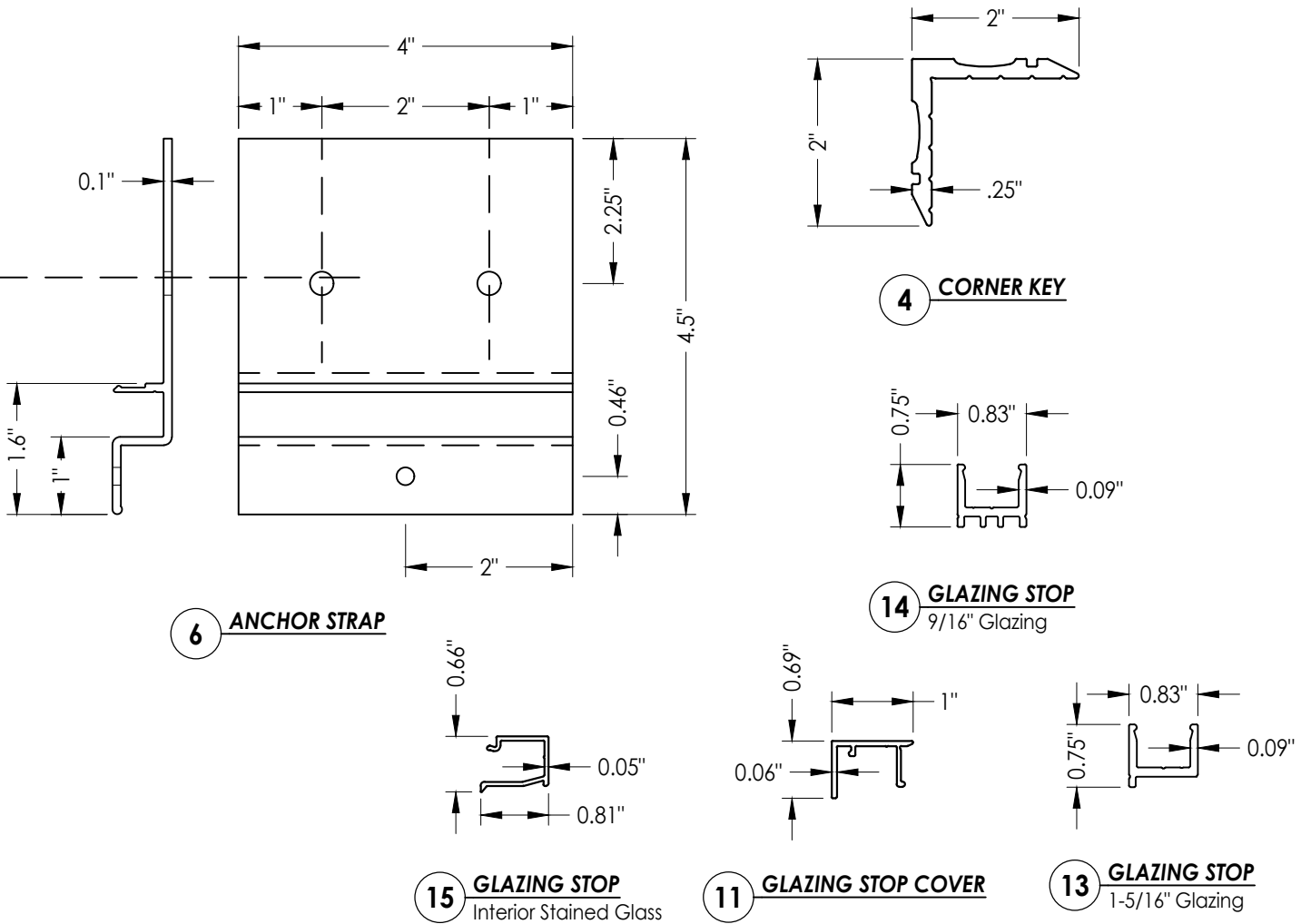
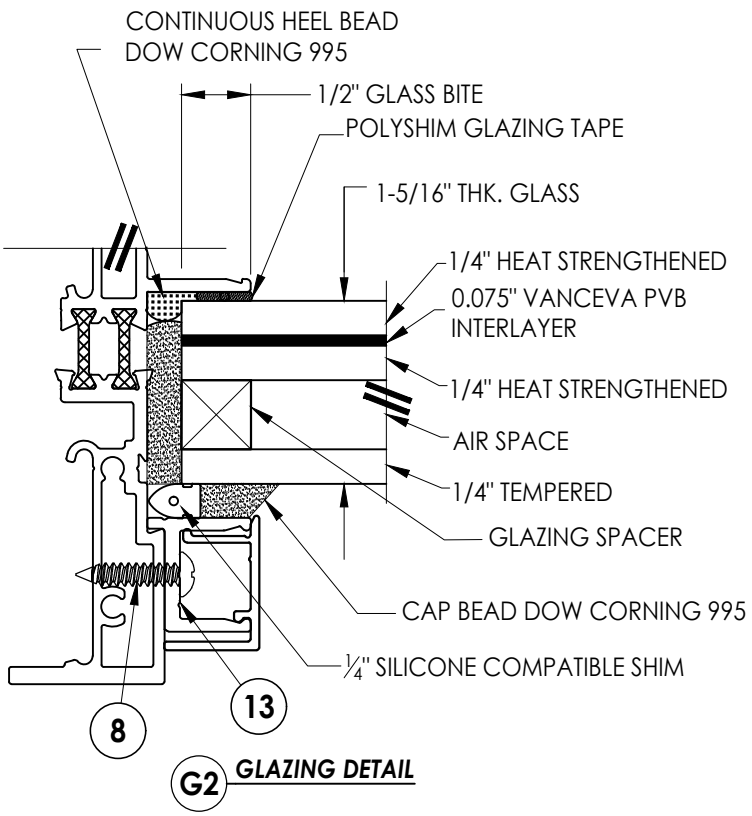
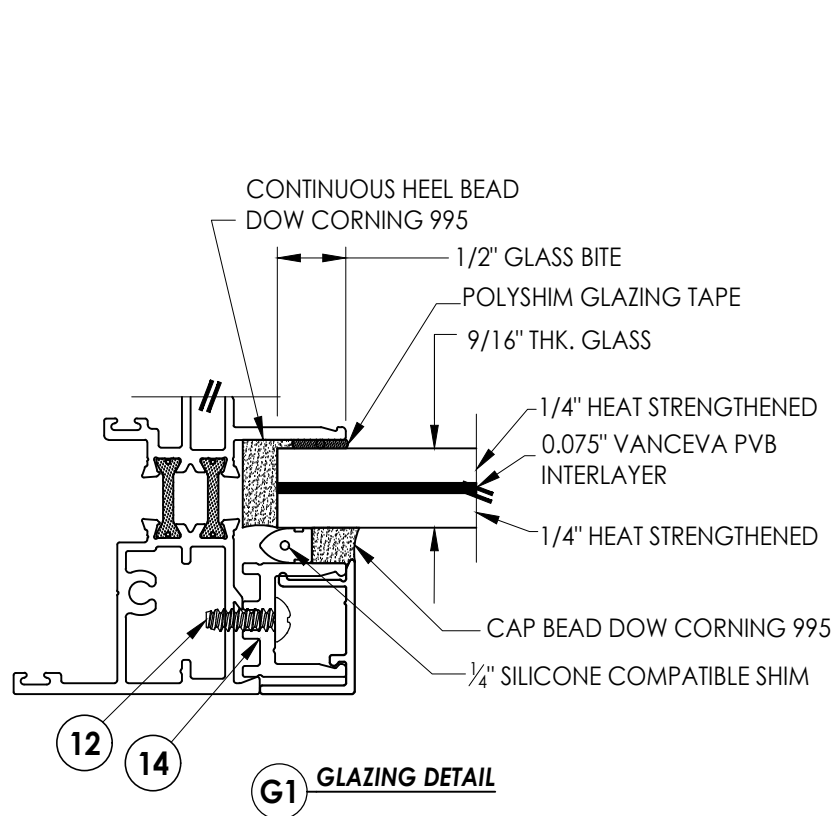
[illegible]

PRODUCT:	J. SUSSMAN INC. 6400 SERIES WINDOW
PART OR ASSEMBLY:	FRAME ANCHORING- 1X BUCK / DIRECT TO MASONRY

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

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG ≥ 0.55	WOOD
B	2X BUCK SG ≥ 0.55	WOOD
C	3/32" 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	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL
G	3/16" X 1-1/2" ITW CONCRETE SCREW	STEEL
1	FRAME (9/16" GLAZING)	ALUM/6063-T5
2	FRAME (1-5/16" GLAZING)	ALUM/6063-T5
4	CORNER KEY	ALUM/6063-T5
5	#10 X 3/8" PPH MACHINE SCREW	SS
6	ANCHOR STRAP (4" X 4-1/2")	ALUM/6063-T6
7	#14 X 1-1/2" HWH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
8	#8 X 3/4" PPH SMS	SS
11	GLAZING STOP COVER	ALUM/6063-T5
12	#8 X 5/8" PPH MACHINE SCREW	SS
13	GLAZING STOP (1-5/16" GLAZING)	ALUM/6063-T5
14	GLAZING STOP (9/16" GLAZING)	ALUM/6063-T5
15	GLAZING STOP (INTERIOR STAINED GLASS)	ALUM/6063-T5
21	DOW 995	SILICONE
22	BACKING ROD	FOAM



DATE: 10/18/10					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-14163.1					
SHEET	5	OF	5		
REVISONS					
NO.	DATE				
4	8/29/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	8/26/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
2	7/17/18	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	1/25/12	UPDATE TO 2010 FBC	KV	BY	
PART OR ASSEMBLY:					
BILL OF MATERIALS, GLAZING DETAIL AND COMPONENTS					
PRODUCT:		J. SUSSMAN INC. 6400 SERIES WINDOW			
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					