

Z:\2023 FBC Drawings\Sussman Architectural Products LLC\FL-14163 R4\FL-14163.1-6.dwg

Since 1906

Sussman Architectural Products LLC

America's Finest Custom Made Windows

6400 Series

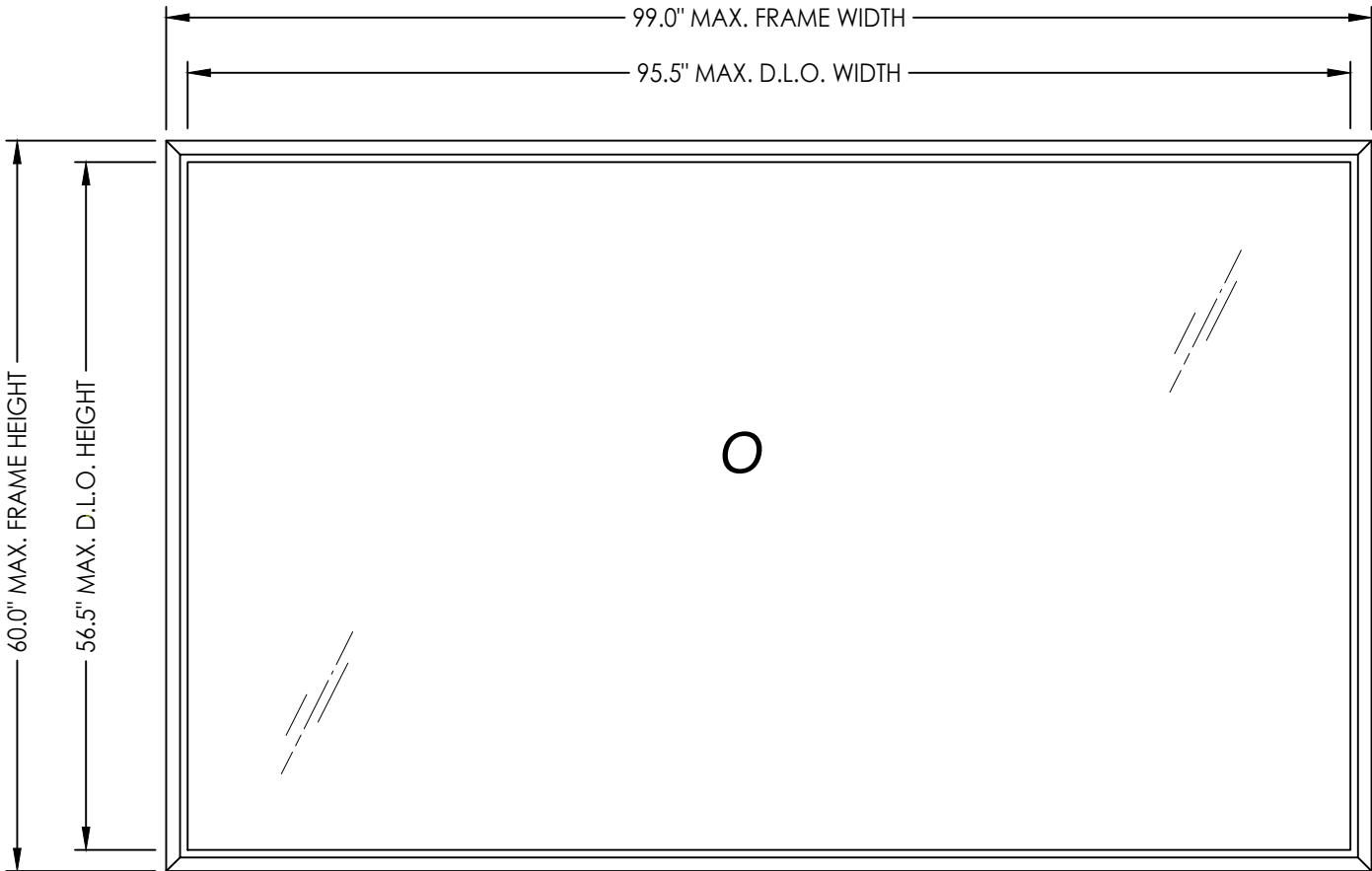
EXTRUDED THERMALLY BROKEN
FIXED ALUMINUM WINDOW

"IMPACT"

GENERAL NOTES

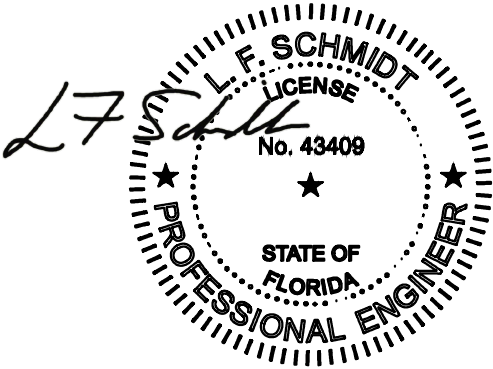
1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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.
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



HORIZONTAL ORIENTATION SHOWN
(VERTICAL ORIENTATION ALSO APPROVED)

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



Digitally signed by Lyndon F Schmidt
Date: 2026.09.29 16:56:28 -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: J. SUSSMAN, INC.
6400 SERIES WINDOW

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

5	7/07/26	UPDATE TO 9TH ED. (2026) FBC	LFS
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

REVISIONS

DATE: 10/18/10

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

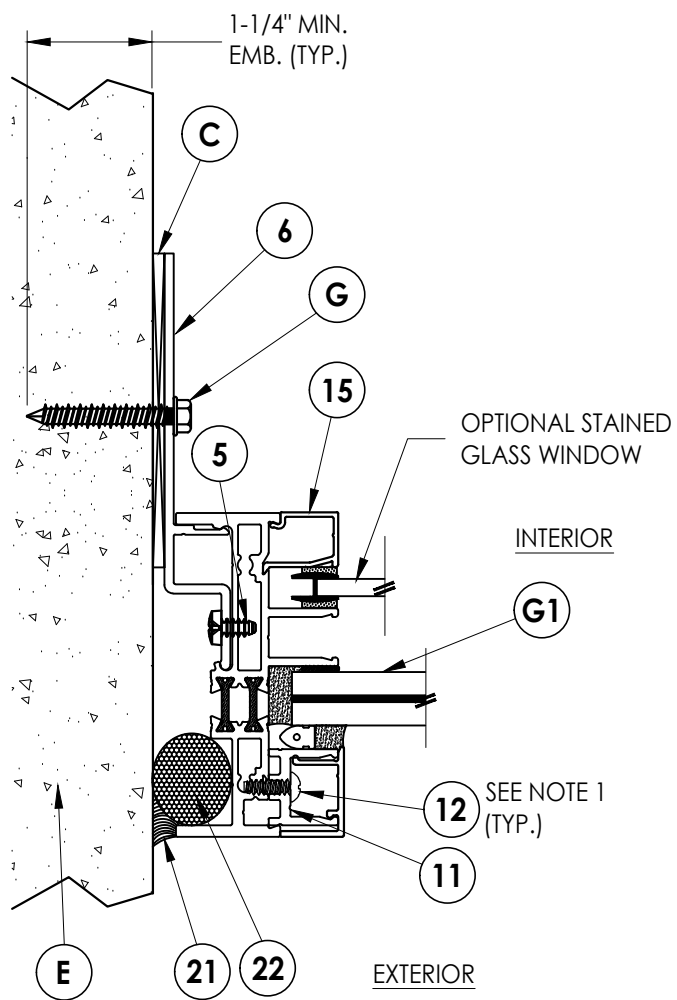
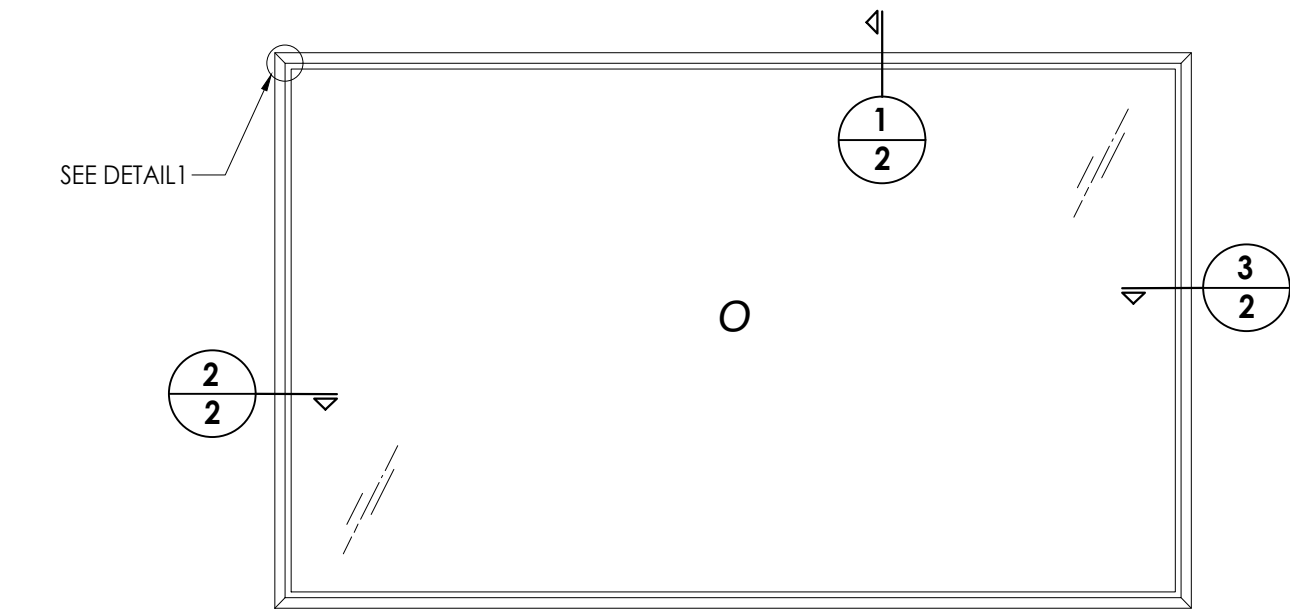
DRAWING NO.: FL-14163.1

SHEET 1 OF 5

RW

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

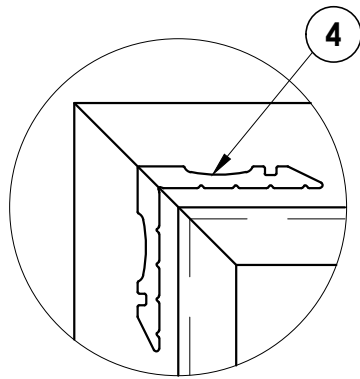
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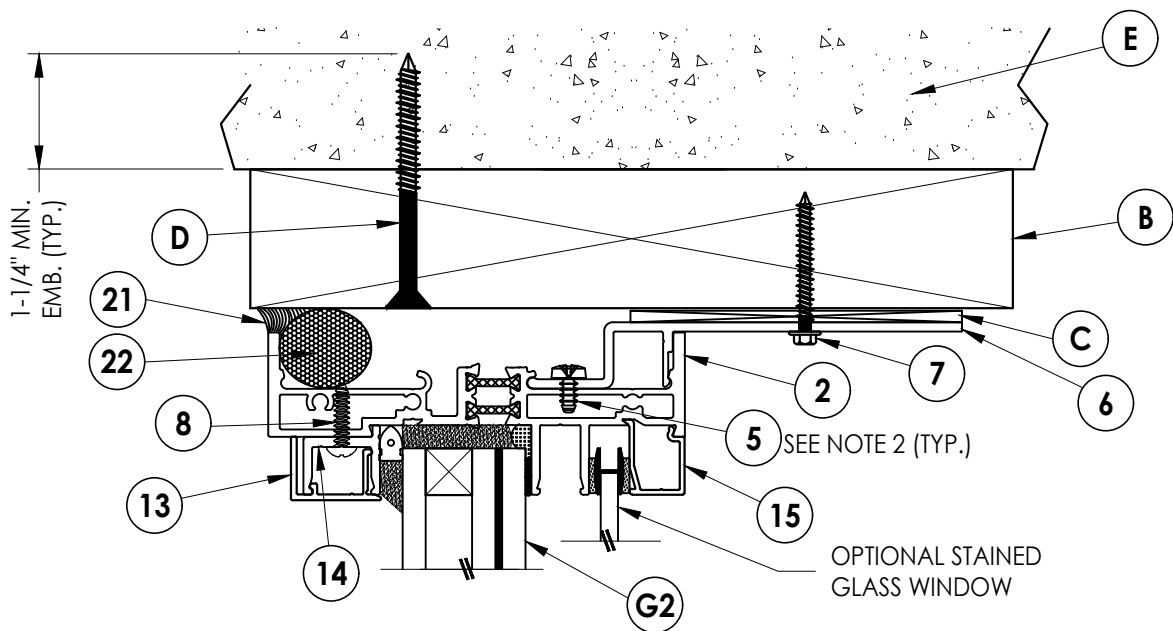
2 HORIZONTAL CROSS SECTION
2 Direct to Masonry
Shown w/ 9/16" glazing

NOTES:

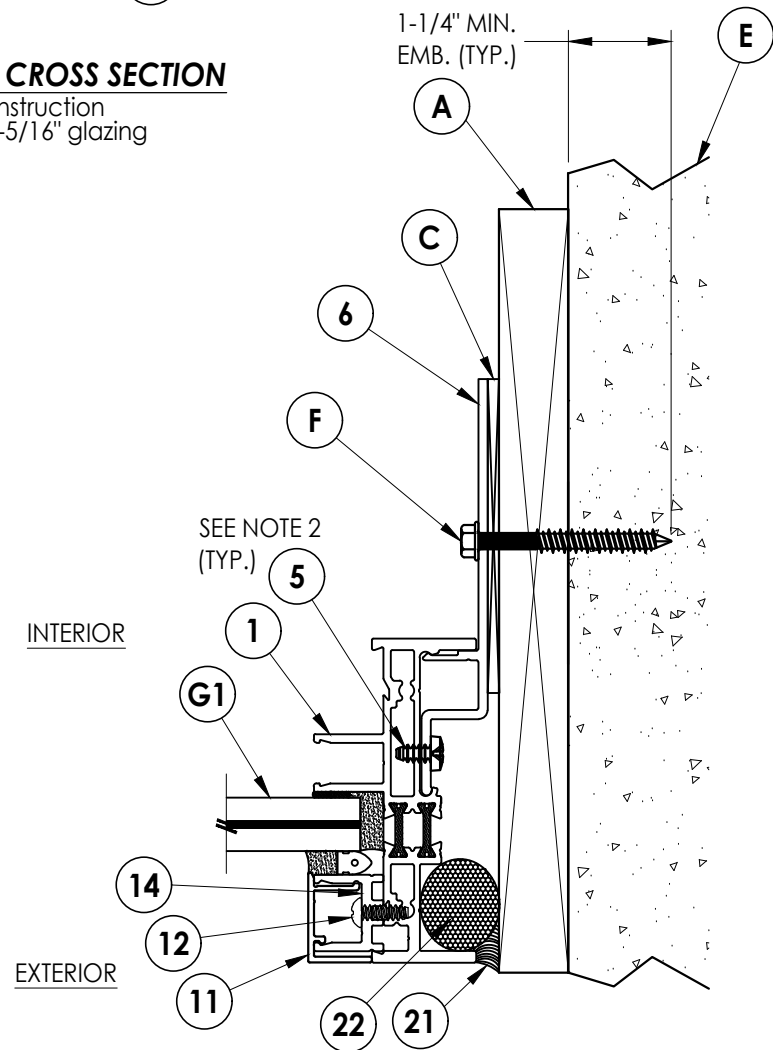
1. Glazing stop secured to frame with item #8 or #12 spaced 12" o.c. throughout.
2. Anchor strap secured to frame with item #5, one per strap.



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

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6400 SERIES WINDOW

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PART OR ASSEMBLY:
HORIZONTAL AND VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
5	7/07/26	UPDATE TO 9TH ED. (2026) FBC
4	8/29/23	UPDATE TO 8TH ED. (2023) FBC
3	8/26/20	UPDATE TO 7TH ED. (2020) FBC
2	7/17/18	UPDATE TO 6TH ED. (2017) FBC
1	1/25/12	UPDATE TO 2010 FBC

DATE: 10/18/10

SCALE: N.T.S.

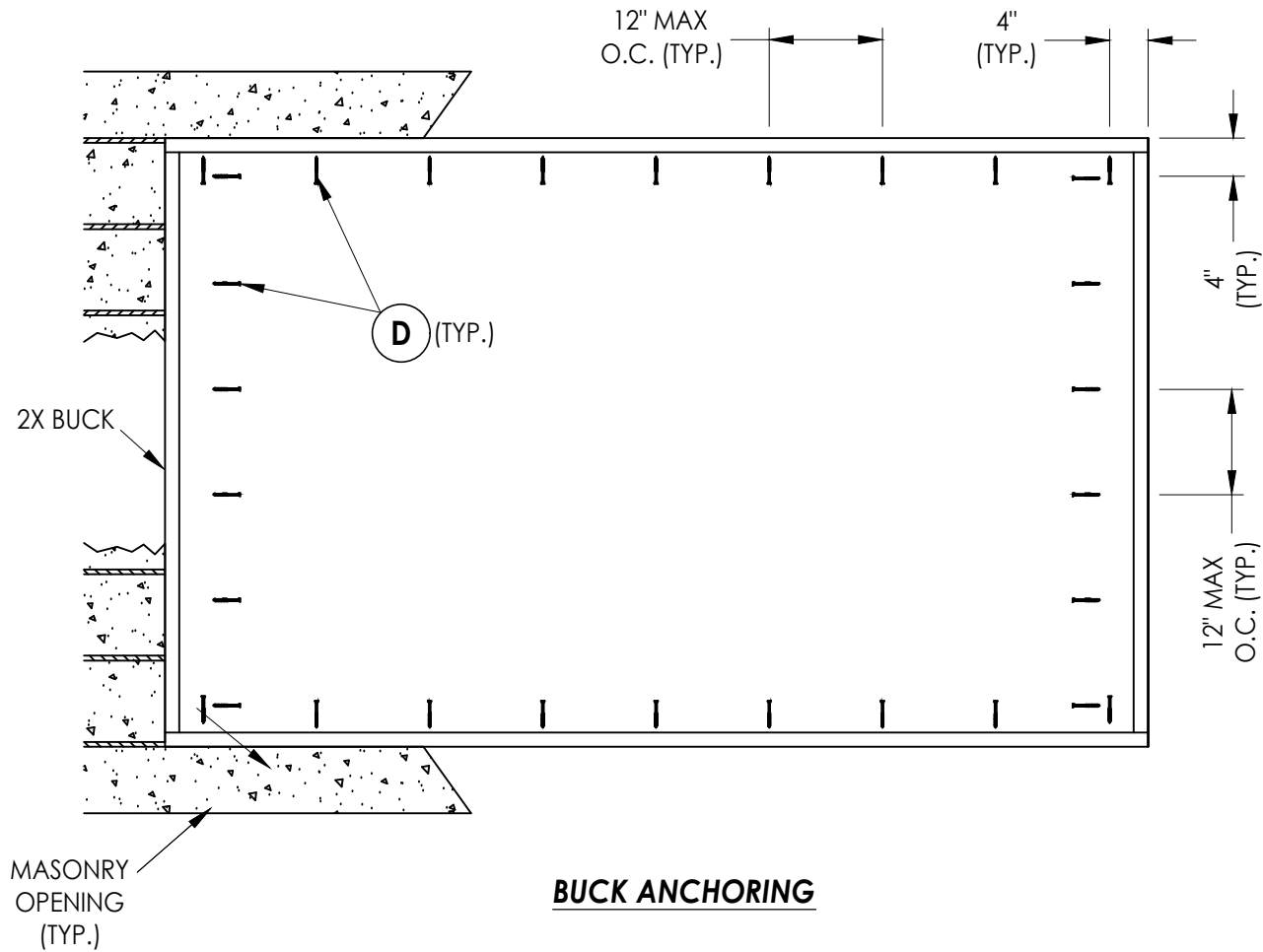
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CHK. BY: LFS

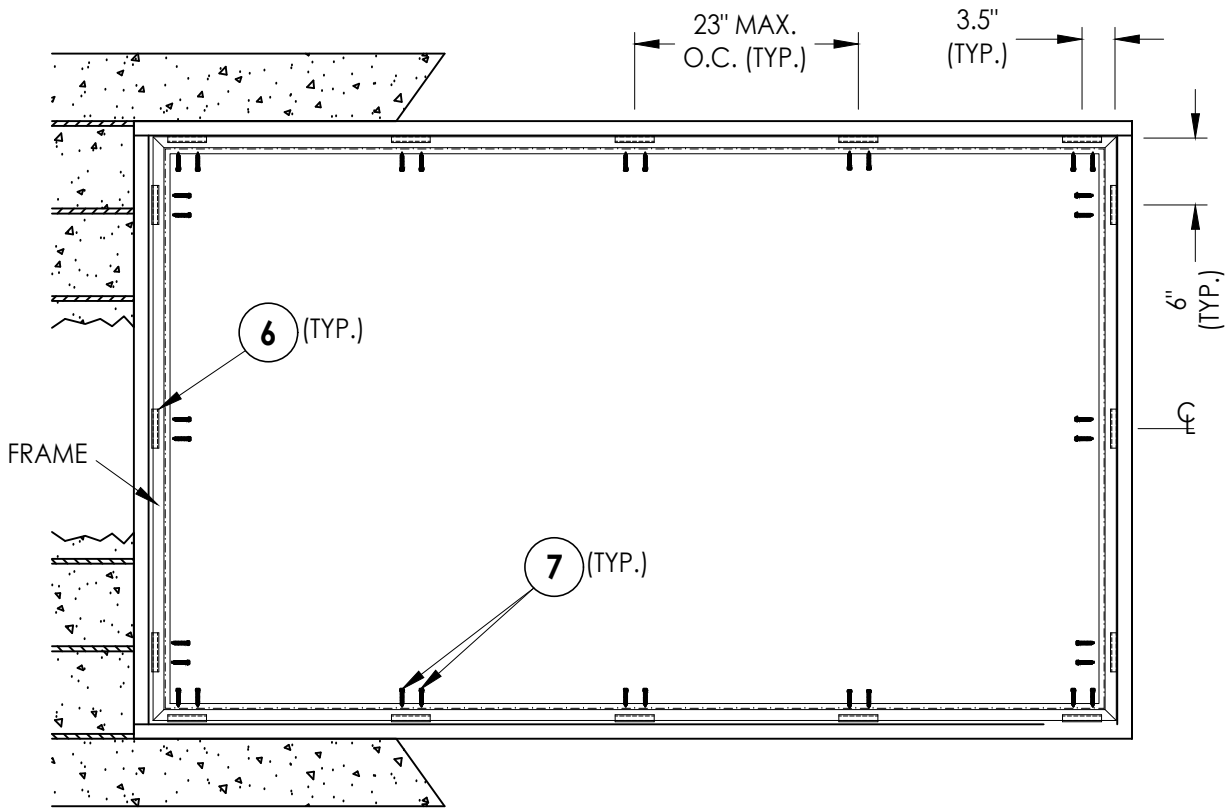
DRAWING NO.: FL-14163.1

SHEET 2 OF 5

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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.

CORROSION RESISTANCE - SALTWATER ENVIRONMENTS

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

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PRODUCT: J. SUSSMAN INC.
6400 SERIES WINDOW

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

		7/07/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
5		8/29/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4		8/26/20	UPDATE TO 7TH ED. (2020)	FBC	DAC
3		7/17/18	UPDATE TO 6TH ED. (2017)	FBC	LFS
2		1/25/12	UPDATE TO 2010 FBC		KV
1	NO.	DATE			BY
REVISIONS					

DATE: 10/18/10

SCALE: N.T.S.

DWG. BY: JK

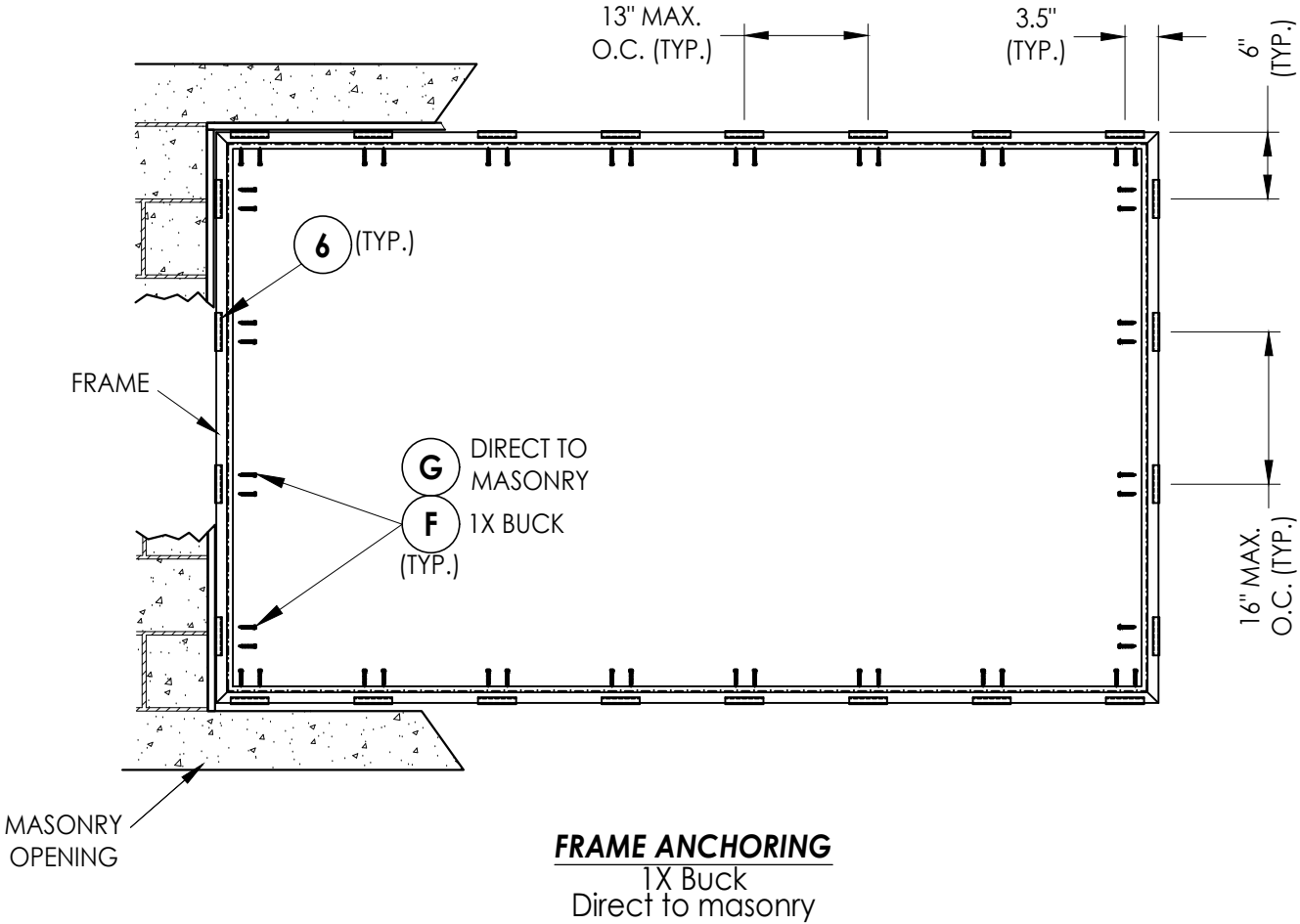
CHK. BY: LFS

DRAWING NO.:
FL-14163.1

SHEET 3 OF 5

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CORROSION RESISTANCE - SALTWATER ENVIRONMENTS
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- 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®	3/16"	1-1/4"	1-1/2"	2"

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.

NO.	DATE	REVISIONS
5	7/07/26	UPDATE TO 9TH ED. (2026) FBC LFS
4	8/29/23	UPDATE TO 8TH ED. (2023) FBC LFS
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1	1/25/12	UPDATE TO 2010 FBC KV
		BY

DATE: 10/18/10

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-14163.1

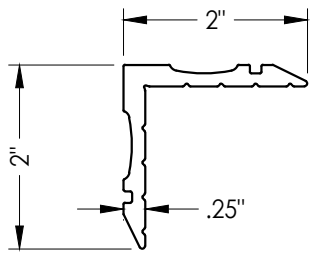
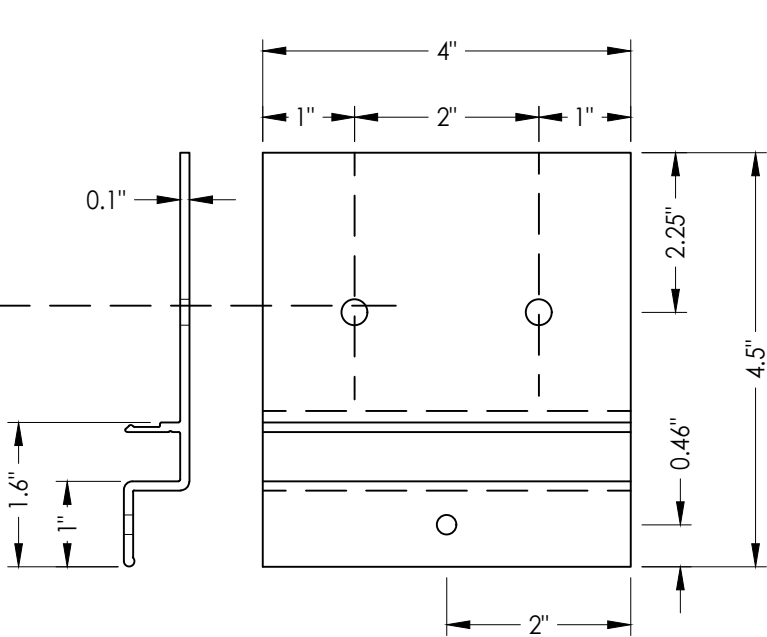
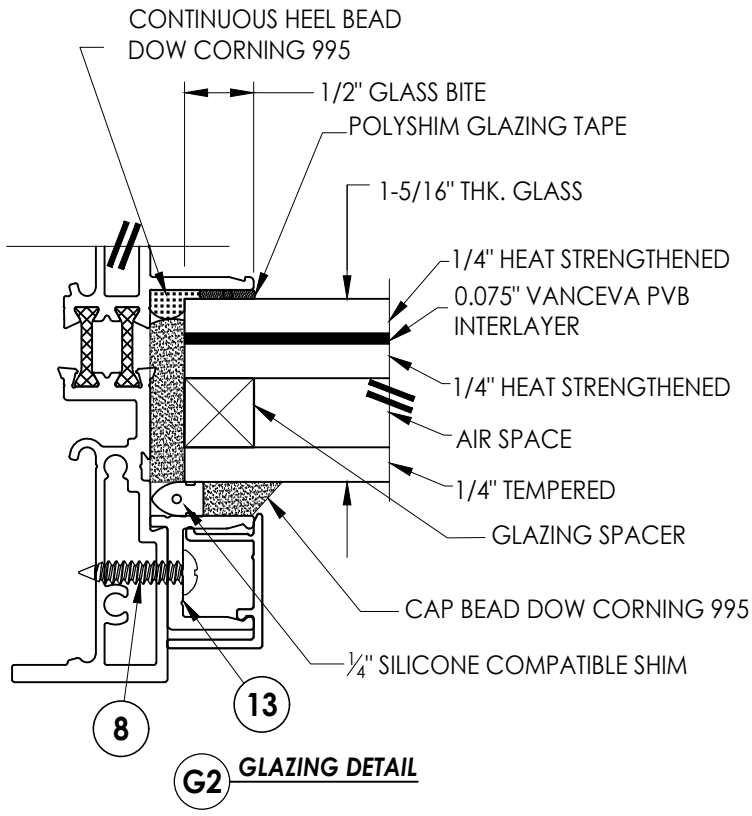
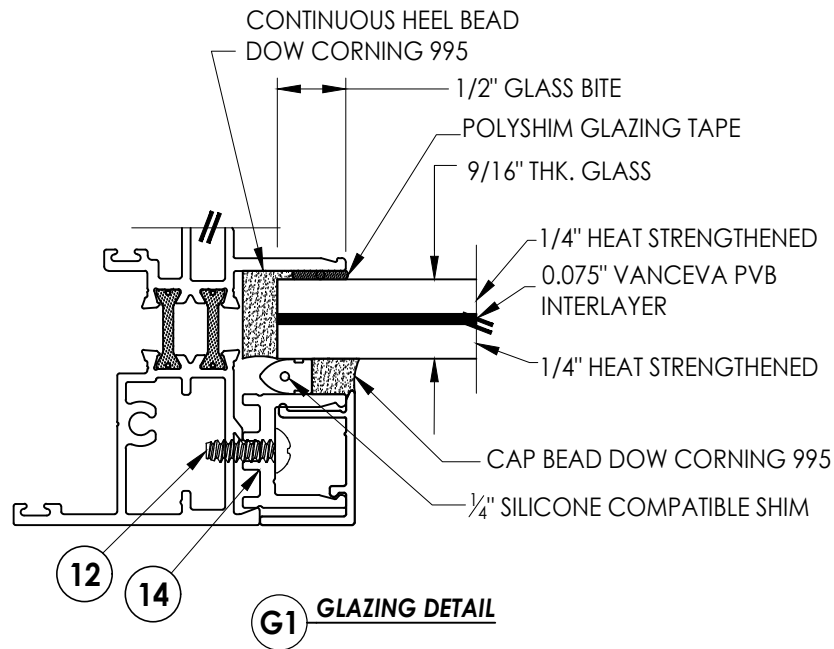
SHEET 4 OF 5

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

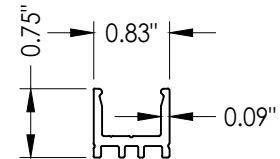
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
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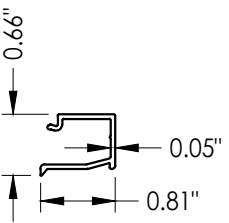
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	3/32" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	3/16" X 2-1/4" ITW 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



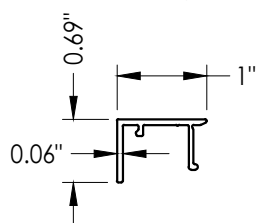
4 CORNER KEY



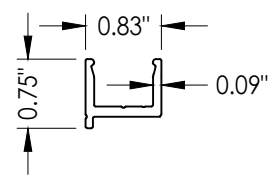
14 GLAZING STOP
9/16" Glazing



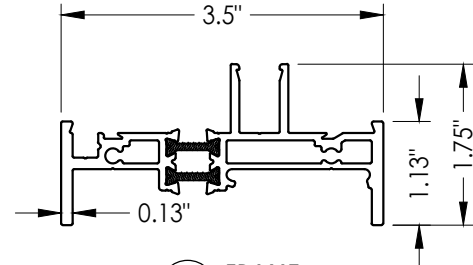
15 GLAZING STOP
Interior Stained Glass



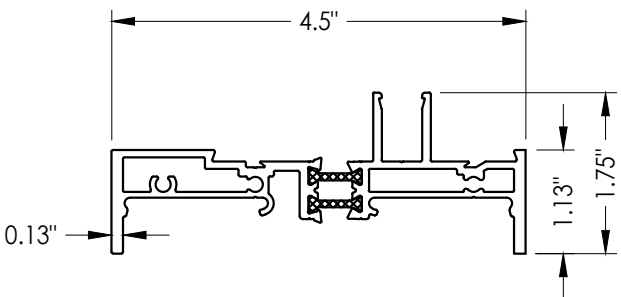
11 GLAZING STOP COVER



13 GLAZING STOP
1-5/16" Glazing



1 FRAME
9/16" Glazing



2 FRAME
1-5/16" Glazing

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: J. SUSSMAN INC. 6400 SERIES WINDOW				PART OR ASSEMBLY: BILL OF MATERIALS, GLAZING DETAIL AND COMPONENTS			
5	7/07/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
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			
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DATE: 10/18/10							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-14163.1							
SHEET 5 OF 5							