

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

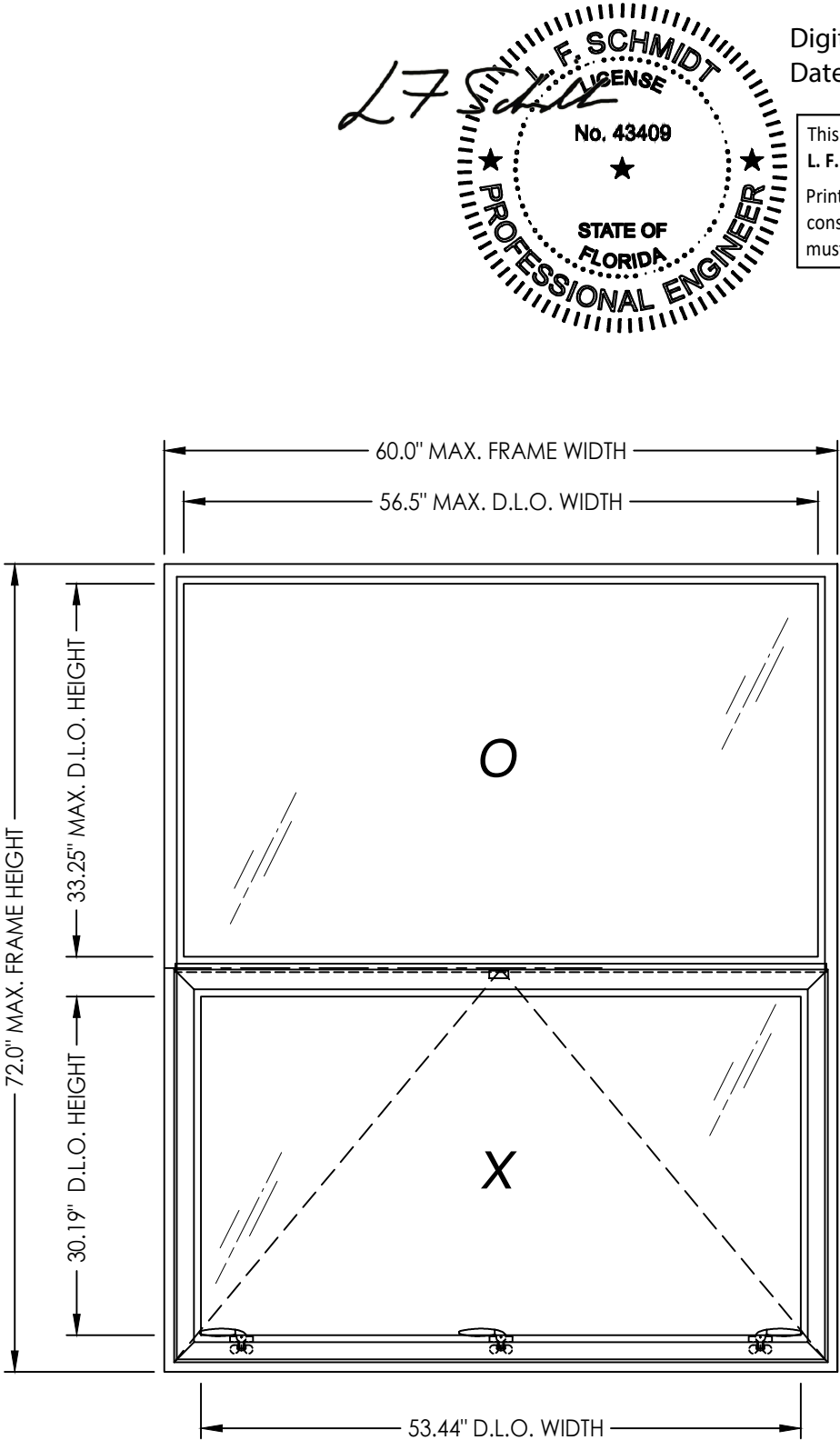


6400 Series
EXTRUDED THERMALLY BROKEN ALUMINUM WINDOW
FIXED OVER AWNING
"IMPACT"

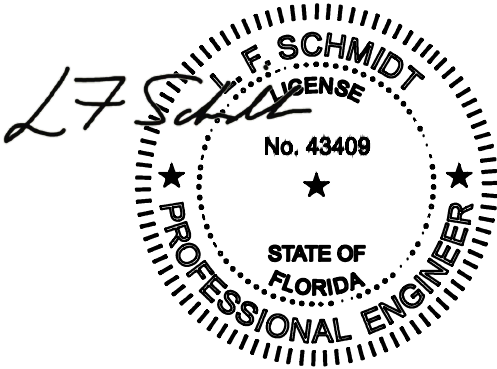
GENERAL NOTES

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 excludes Wind Zone 4 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 cross sections
3	Vertical cross sections
4	Buck and frame anchoring - 2X buck
5	Frame anchoring - 1X buck / direct to masonry
6	Bill of materials, glazing detail and components



MAX. O.A. DIMENSION	MAX. D.L.O. DIMENSION (FIXED)	MAX. D.L.O. DIMENSION (OPERABLE)	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
60.0" X 72.0"	56.5" X 33.25"	53.44" X 30.19"	G1	+ 65.0	- 65.0



Digitally signed by Lyndon F Schmidt
Date: 2026.09.29 16:57:15 -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

RW
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:
TYPICAL ELEVATION, GENERAL
NOTES & DESIGN PRESSURES

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
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

DATE: 10/18/10

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

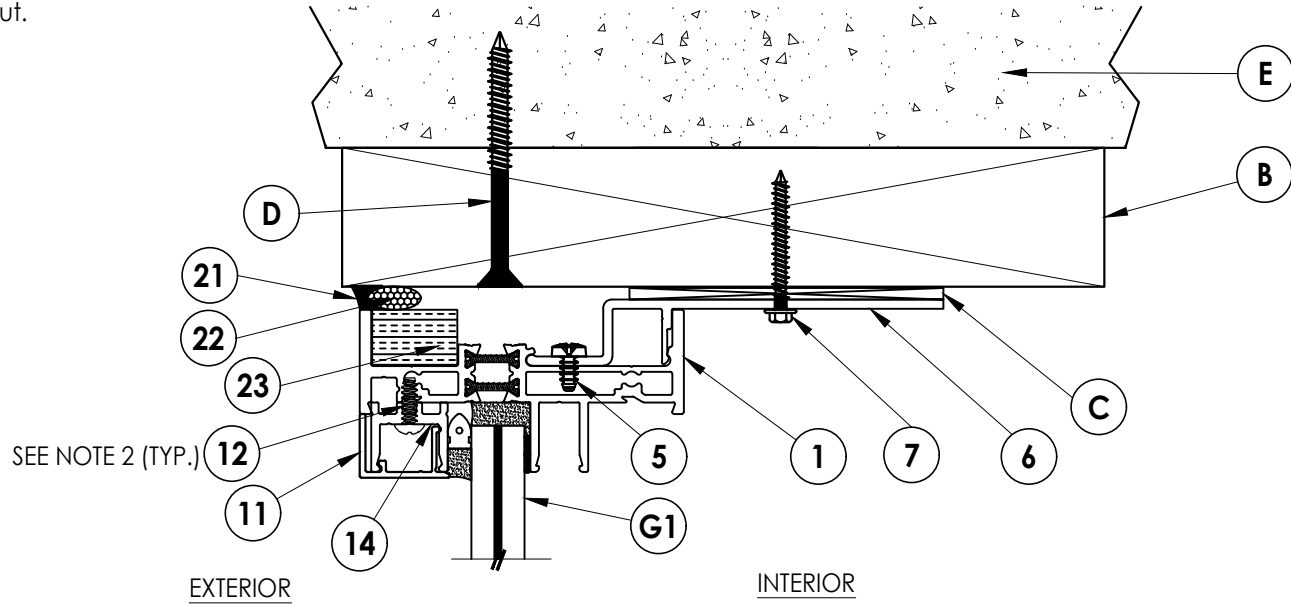
DRAWING NO.:
FL-14163.3

SHEET 1 OF 6

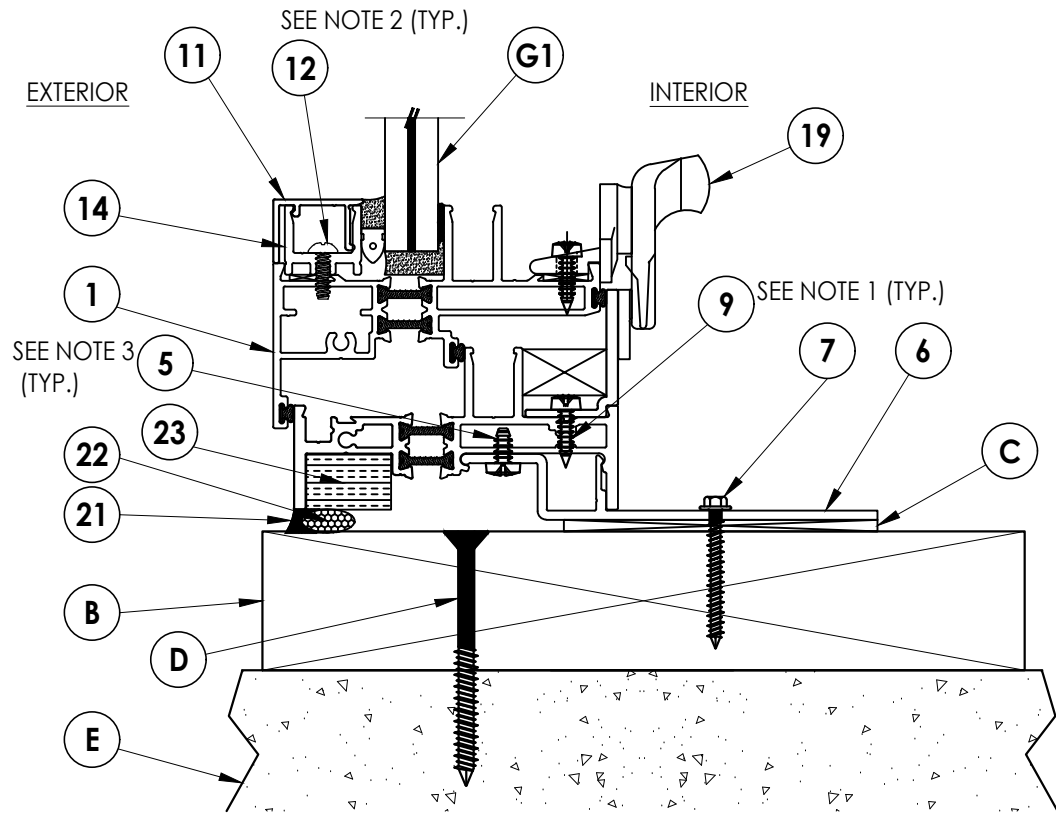
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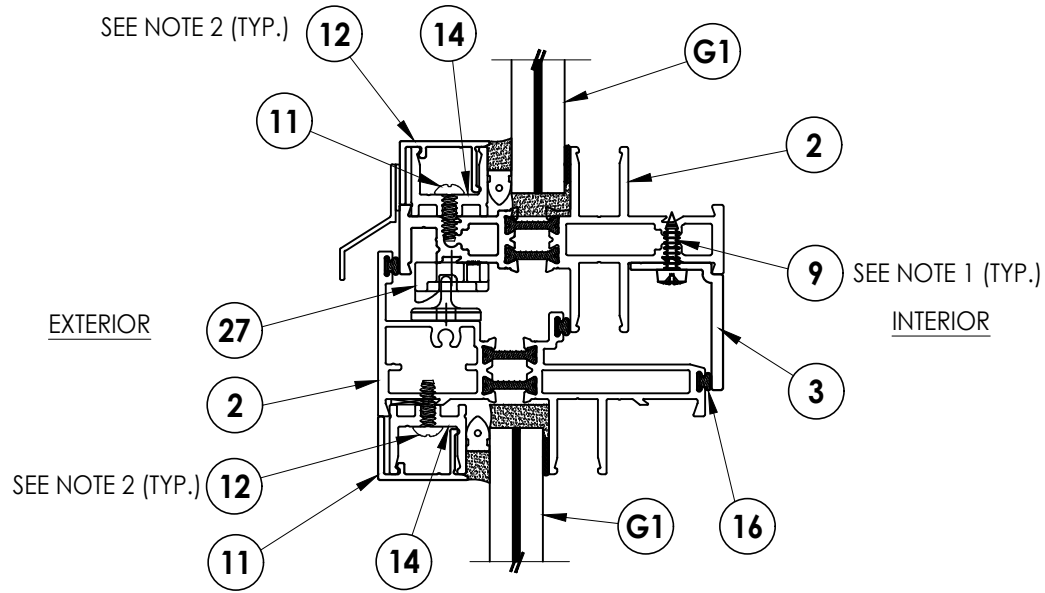
1. Vent adapter secured to frame with item 9, 6 each at head and sill and 4 each at jambs (equally spaced).
2. Glazing stop secured to frame with item #8 or #12 spaced 12" o.c. throughout.
3. Anchor strap secured to frame with item #5, one per strap.



1
3
VERTICAL CROSS SECTION
2X Buck Construction



3
3
VERTICAL CROSS SECTION
2X Buck Construction



2
3
VERTICAL CROSS SECTION

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6400 SERIES WINDOW

RW BUILDING CONSULTANTS, INC.
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PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
5	7/07/26	UPDATE TO 9TH ED. (2026) FBC LFS
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		BY

DATE: 10/18/10

SCALE: N.T.S.

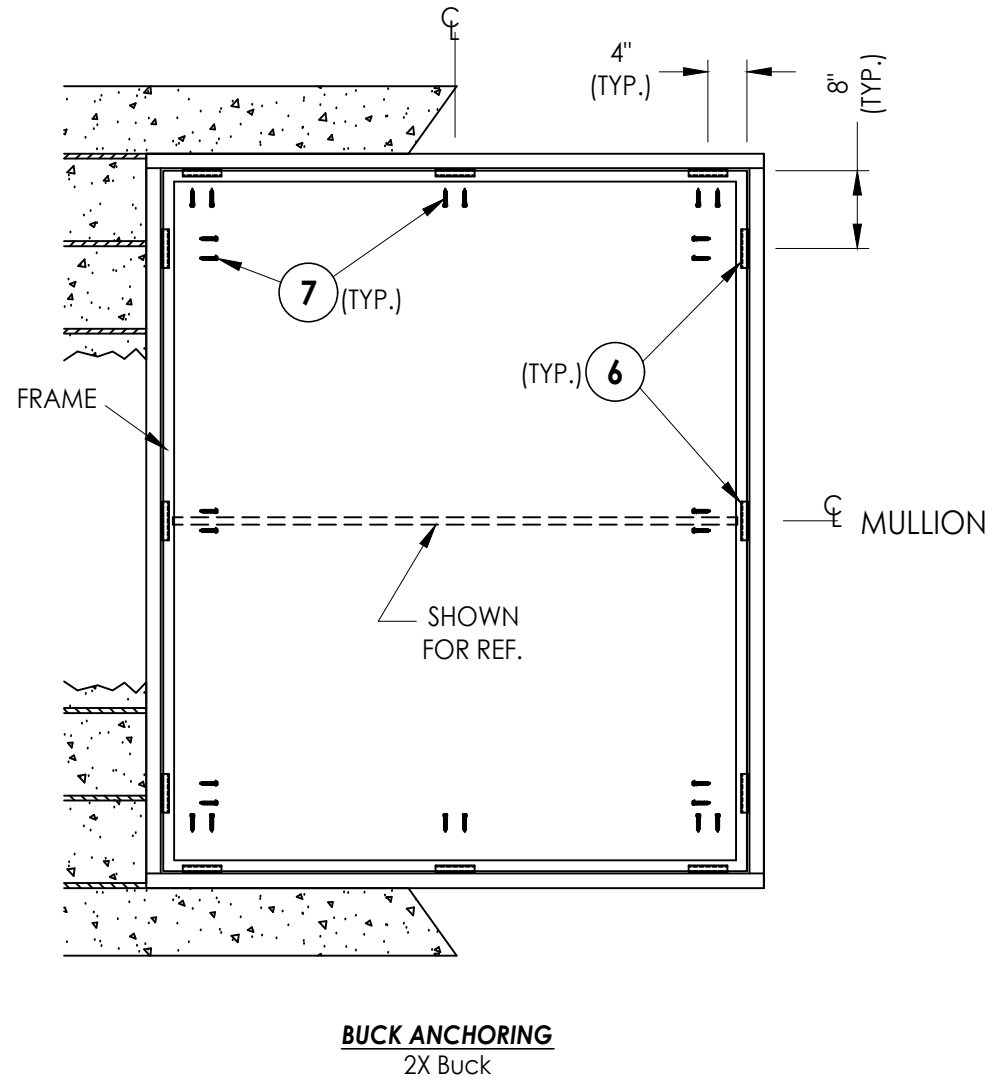
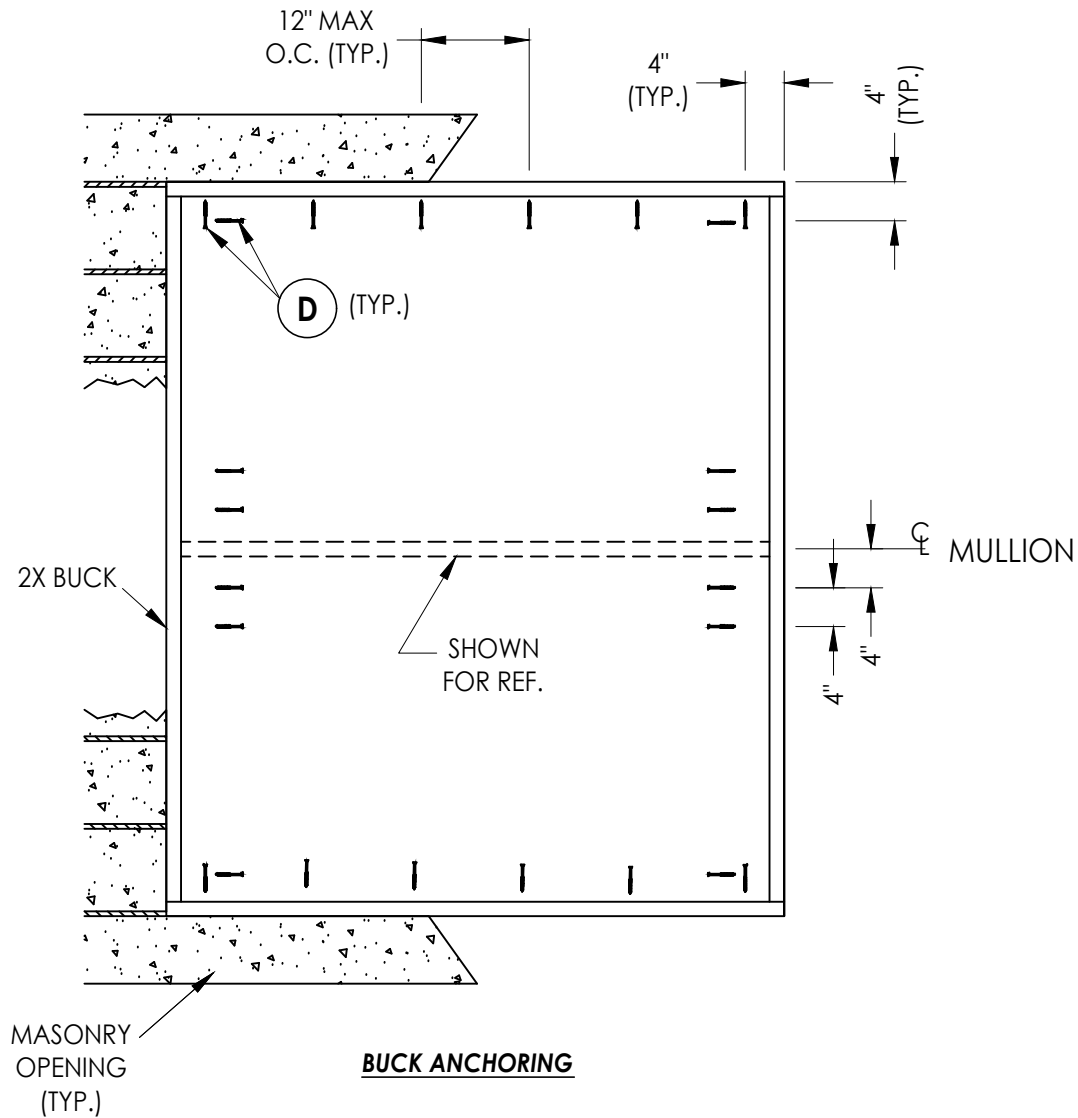
DWG. BY: JK

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DRAWING NO.:
FL-14163.3

SHEET 3 OF 6

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



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

		UPDATE TO 9TH ED. (2026)	FBC LFS
5	7/07/26	UPDATE TO 8TH ED. (2023)	FBC LFS
4	8/29/23	UPDATE TO 7TH ED. (2020)	FBC DAC
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1	1/25/12		BY
NO. DATE		REVISIONS	

DATE: 10/18/10

SCALE: N.T.S.

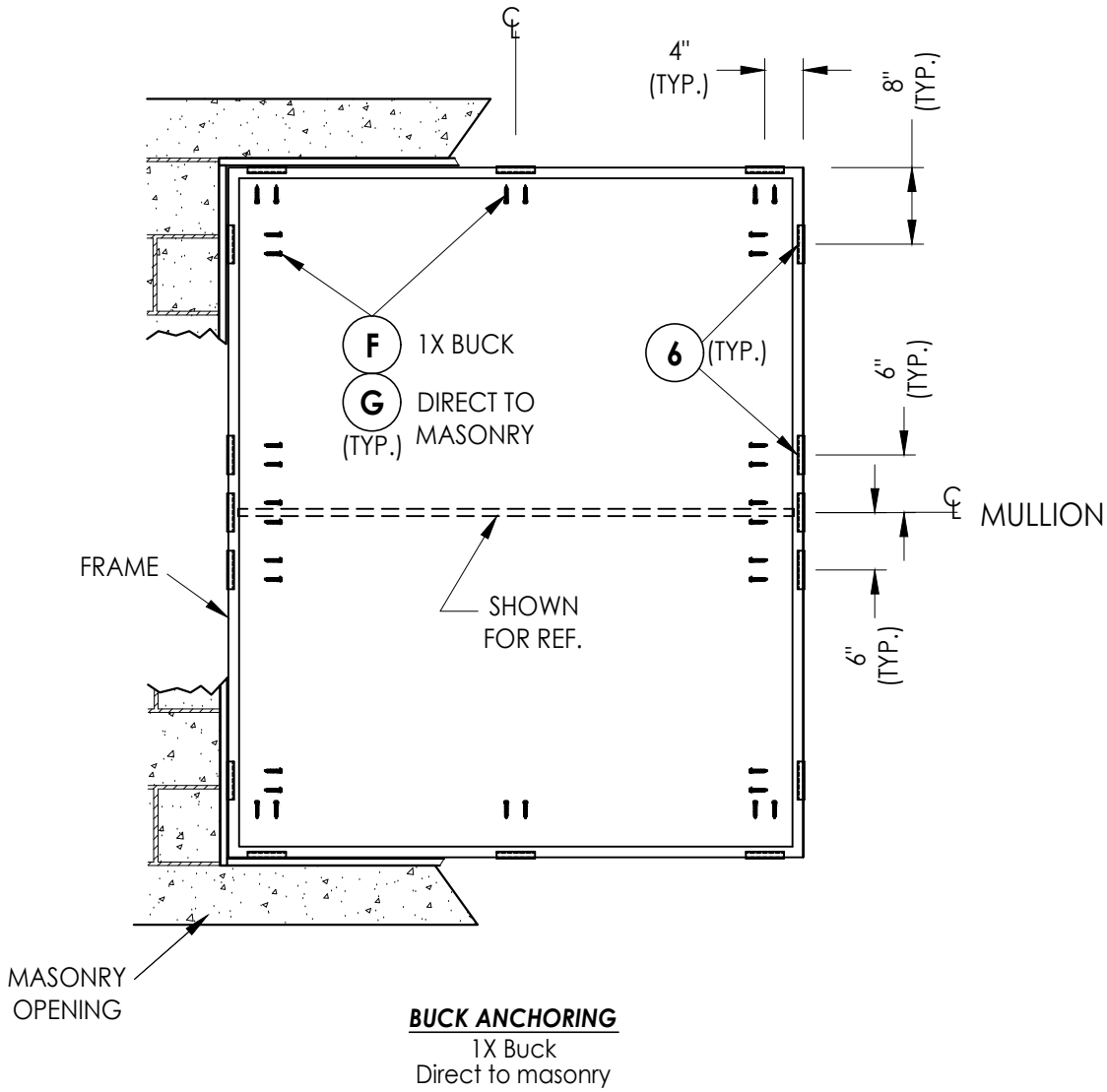
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-14163.3

SHEET 4 OF 6

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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®	3/16"	1-1/4"	1-1/2"	2"

WOOD SCREW INSTALLATION NOTES:

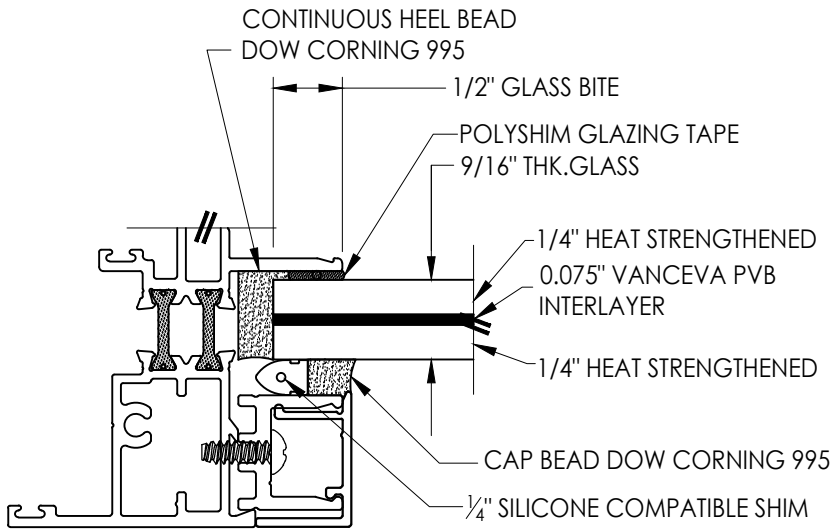
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

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.

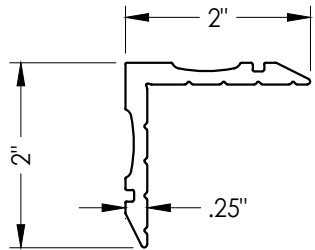
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		J. SUSSMAN INC. 6400 SERIES WINDOW		DATE: 10/18/10	
RWBUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813		PART OR ASSEMBLY: FRAME ANCHORING— 1X BUCK / DIRECT TO MASONRY		SCALE: N.T.S.	
				DWG. BY: JK	
				CHK. BY: LFS	
				DRAWING NO.: FL-14163.3	
				SHEET 5 OF 6	
				NO. DATE	
				REVISIONS	
				5 7/07/26 UPDATE TO 9TH ED. (2026) FBC LFS	
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				BY	
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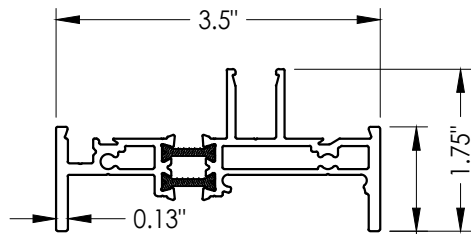
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/8" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL
G	3/16" X 1-1/2" ITW CONCRETE SCREW	STEEL
1	FRAME	ALUM/6063-T5
2	MULLION	ALUM/6063-T5
3	VENT ADAPTER	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
9	#10 X 5/8" PPH SELF TAPPING SCREW	SS
10	VENT SASH	ALUM/6063-T5
11	GLAZING STOP COVER	ALUM/6063-T5
12	#8 X 5/8" PPH MACHINE SCREW	SS
14	GLAZING STOP	ALUM/6063-T5
16	VENT GASKET (Q-LON)	-
19	SASH CAM LOCK	BRONZE
21	DOW 995	SILICONE
22	BACKING ROD	FOAM
23	PLYWOOD FILLER	PLYWOOD
27	HEAVY DUTY SNUBBER	-



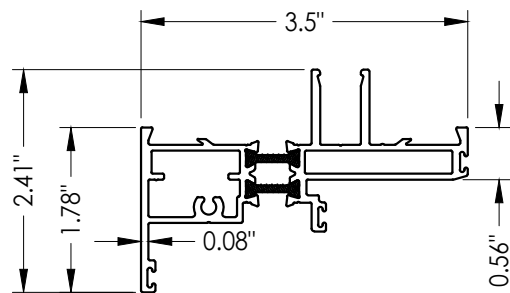
G1 GLAZING DETAIL



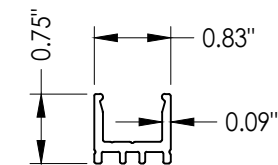
4 CORNER KEY



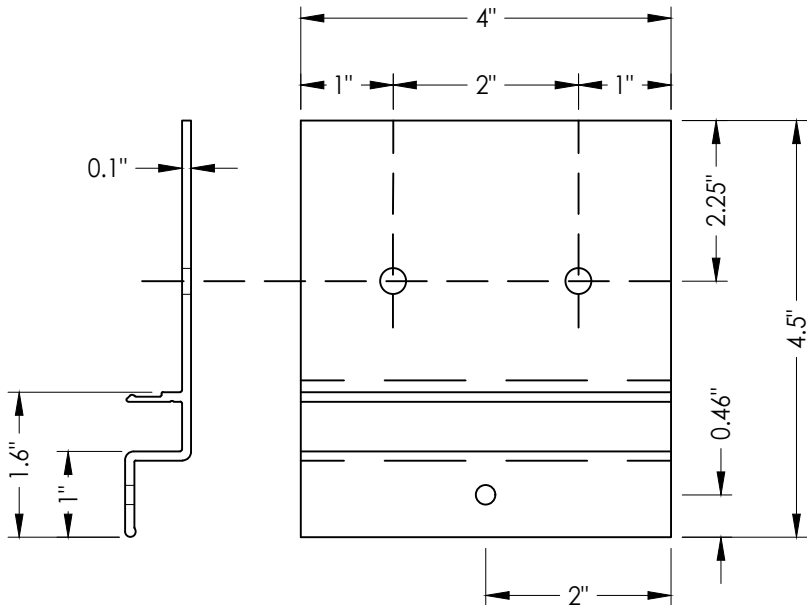
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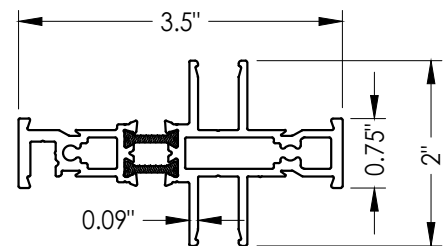
10 VENT SASH



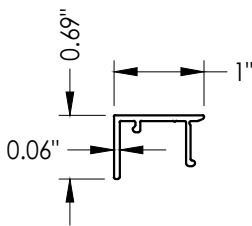
14 GLAZING STOP



6 ANCHOR STRAP



2 MULLION



11 GLAZING STOP COVER

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SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14163.3
SHEET	6 OF 6

PRODUCT:	J. SUSSMAN INC. 6400 SERIES WINDOW
PART OR ASSEMBLY:	BILL OF MATERIALS, GLAZING DETAIL AND COMPONENTS

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
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