

D:\2023 FBC DRAWINGS\Soft-Lite\FL-23505 R6\FL-23505.1-2.dwg



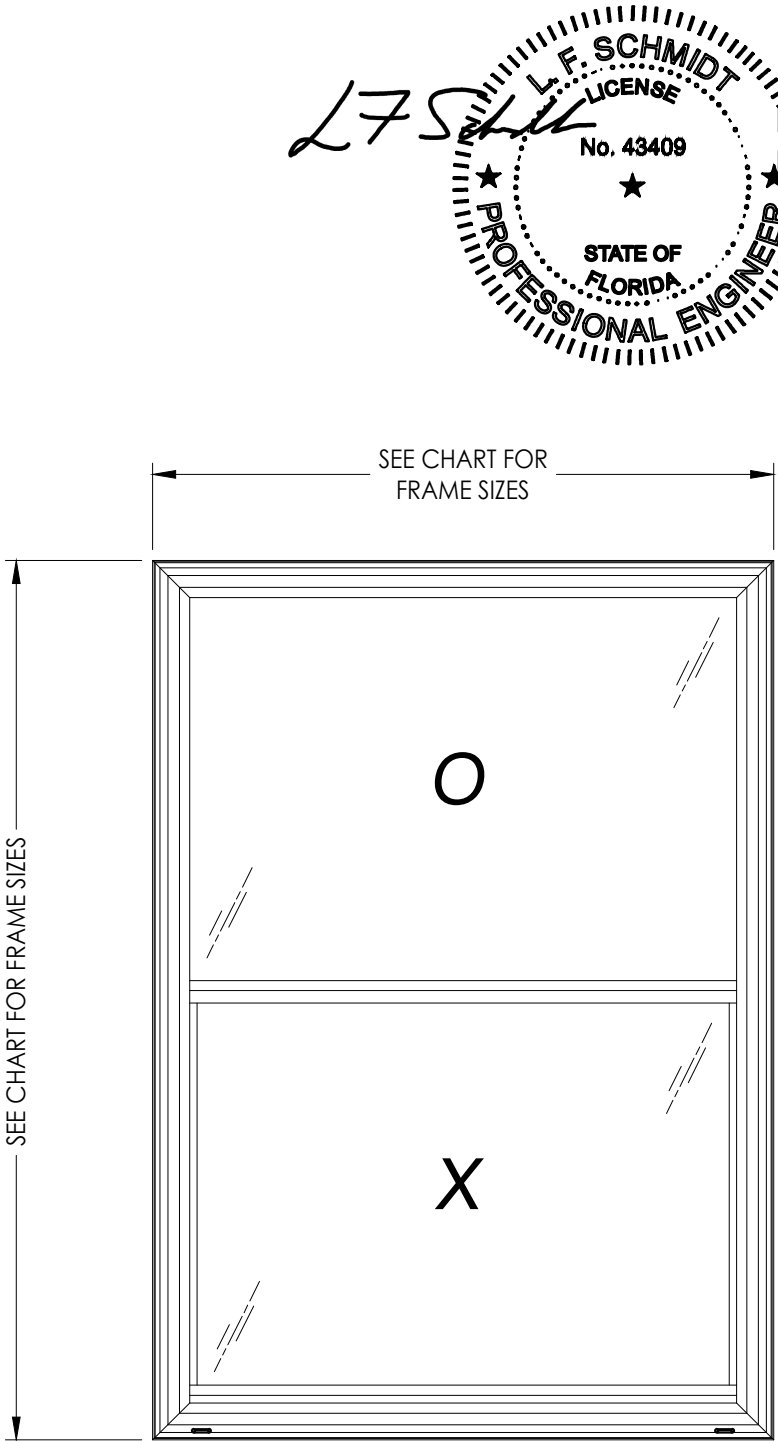
10250 Philipp Parkway
Streetsboro, Ohio 44241

"BARCELONA"
Model "SH30PI"
SINGLE HUNG WINDOW
"IMPACT"

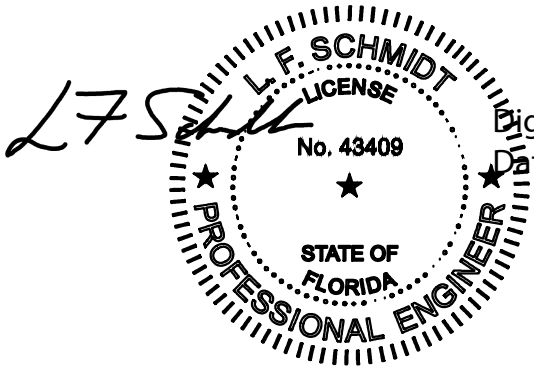
GENERAL NOTES

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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "C" and excludes Wind Zones 3 & 4 as defined in ASTM E1996 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 elevations, design pressures and general notes
2	Horizontal cross sections
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring
6	Components
7	Bill of materials & glazing details



MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
54.0" X 76.5"	47.5" x 33.312"	G1	+55.0	-65.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.05 13:06:40 -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:
SOFT-LITE WINDOWS

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

REVISIONS

NO.	DATE	REVISIONS
5	7/05/23	UPDATE TO 8TH ED. (2023) FBC
4	2/1/22	REVISE GLAZING DETAILS
3	7/13/20	UPDATE TO 7TH ED. (2020) FBC
2	11/12/18	ADD ALTERNATE ENDUR SPACER
1	6/12/18	REVISE GLAZING DETAIL

DATE: 4/14/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-23505.1

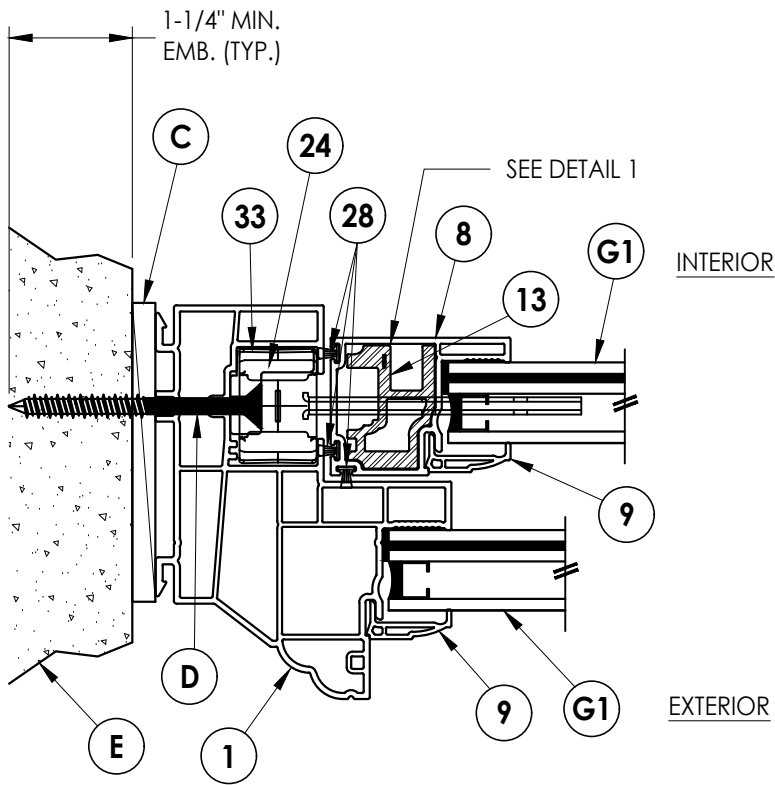
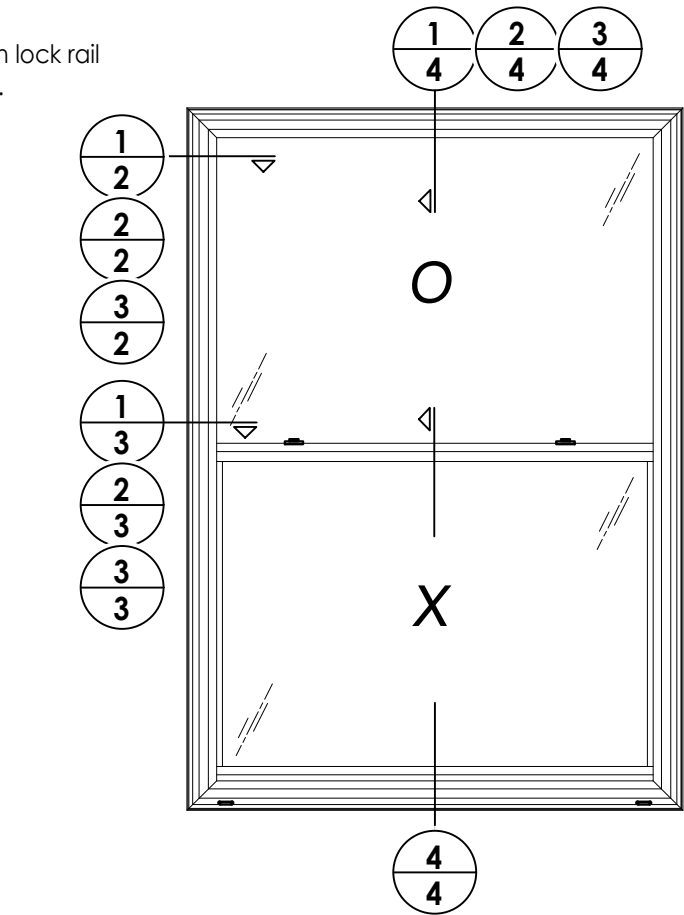
SHEET 1 OF 7

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

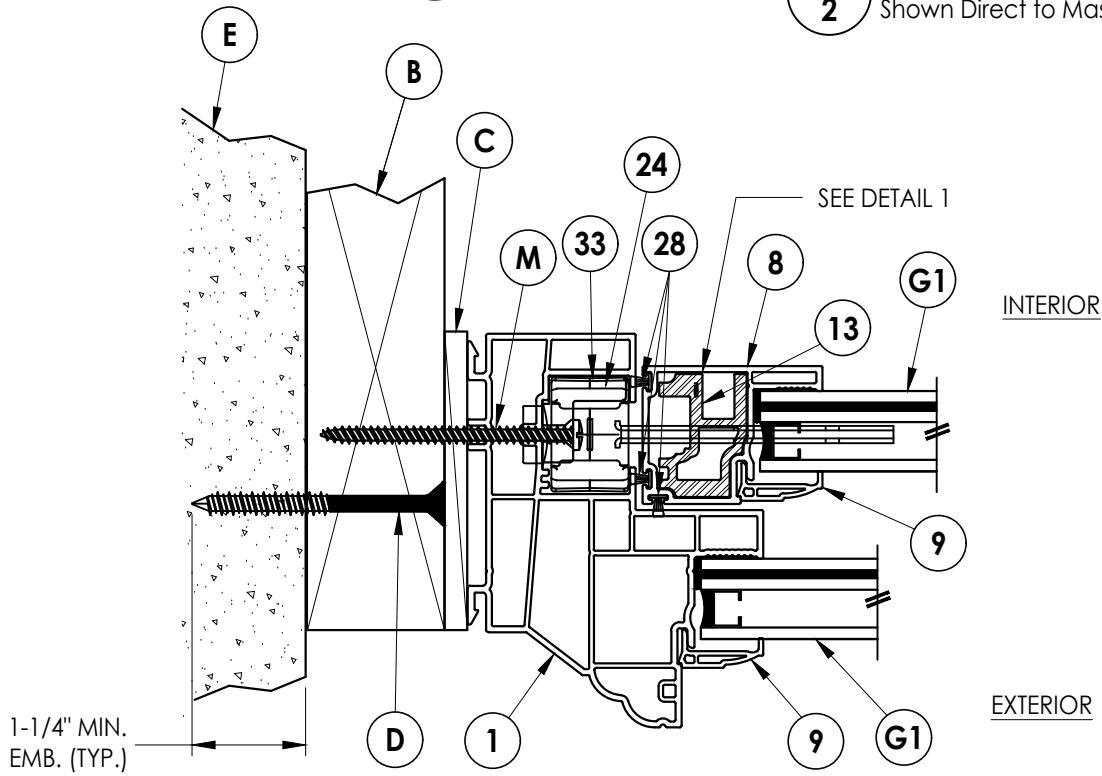
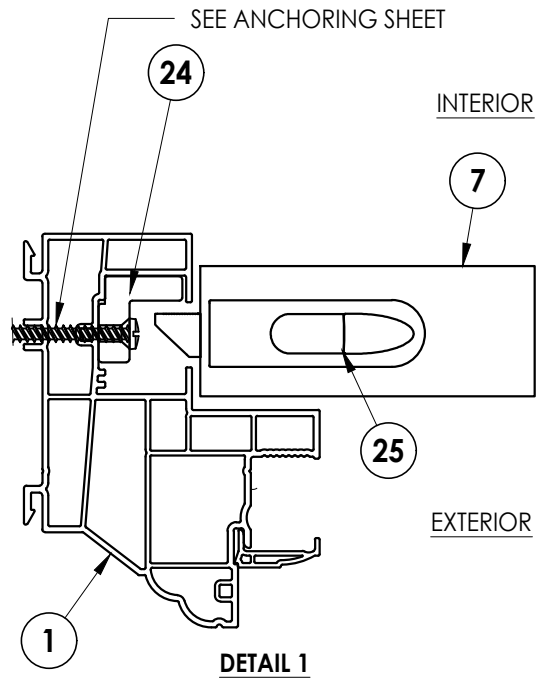
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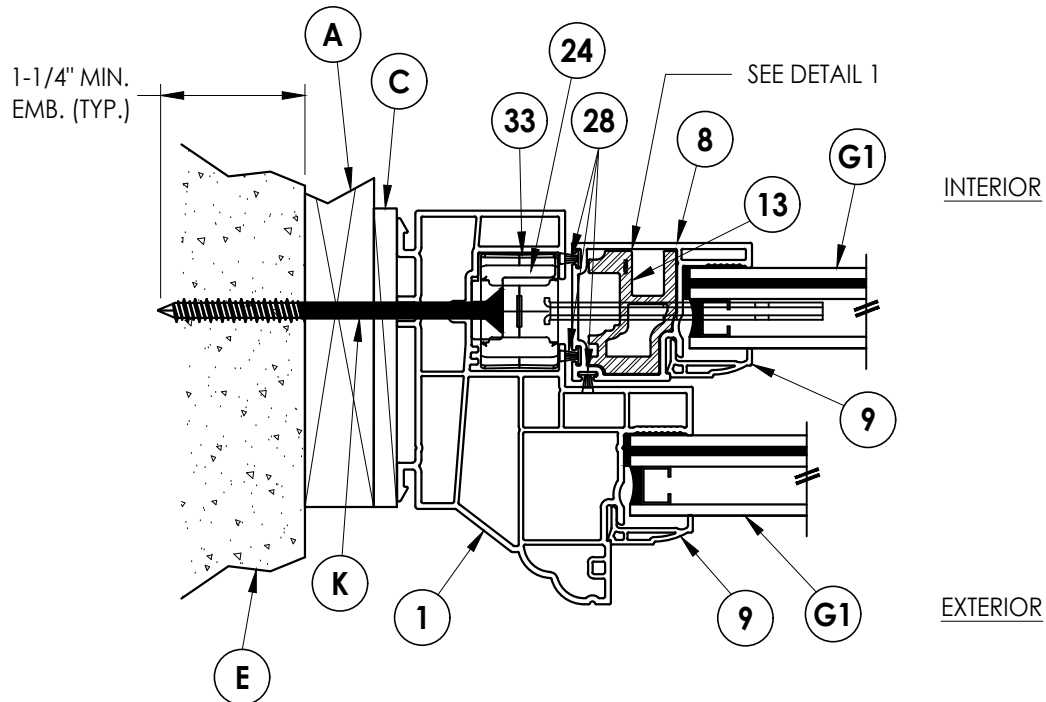
Hardware Notes:
1. Locks (2) located on lock rail
10" from each jamb.



2 HORIZONTAL CROSS SECTION
Shown Direct to Masonry



1 HORIZONTAL CROSS SECTION
2X Buck Construction



3 HORIZONTAL CROSS SECTION
Shown w/ 1X Buck

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PRODUCT:
SOFT-LITE WINDOWS

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS		
		NO.	DATE	BY
5	7/05/23	UPDATE TO 8TH ED. (2023) FBC	LFS	
4	2/1/22	REVISE GLAZING DETAILS	LFS	
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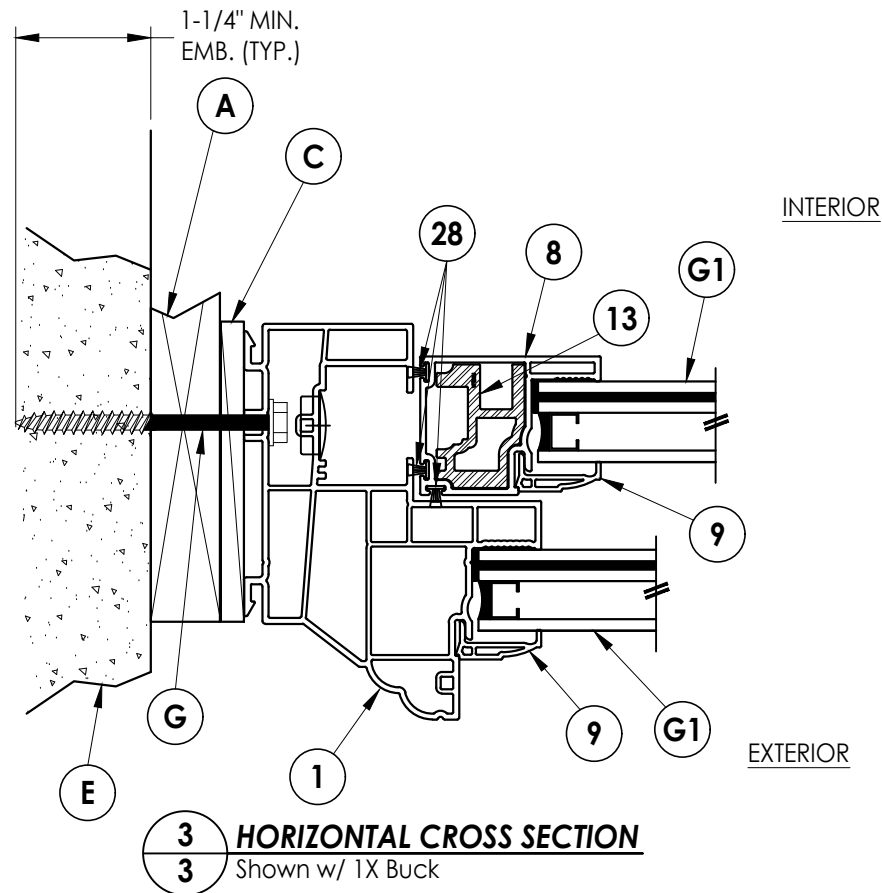
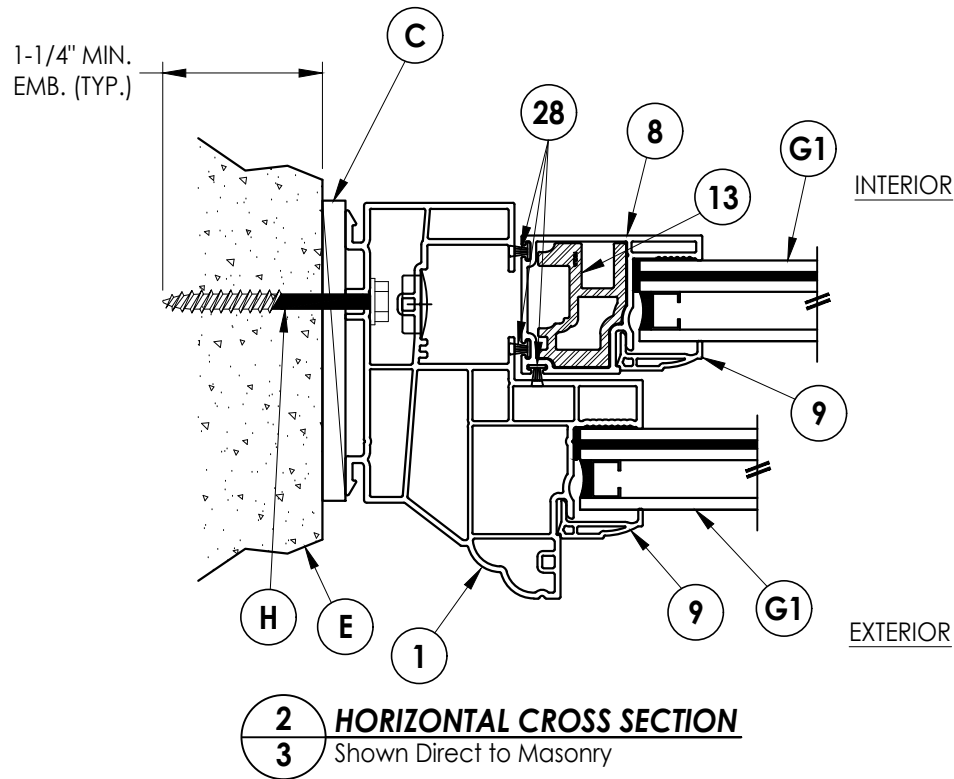
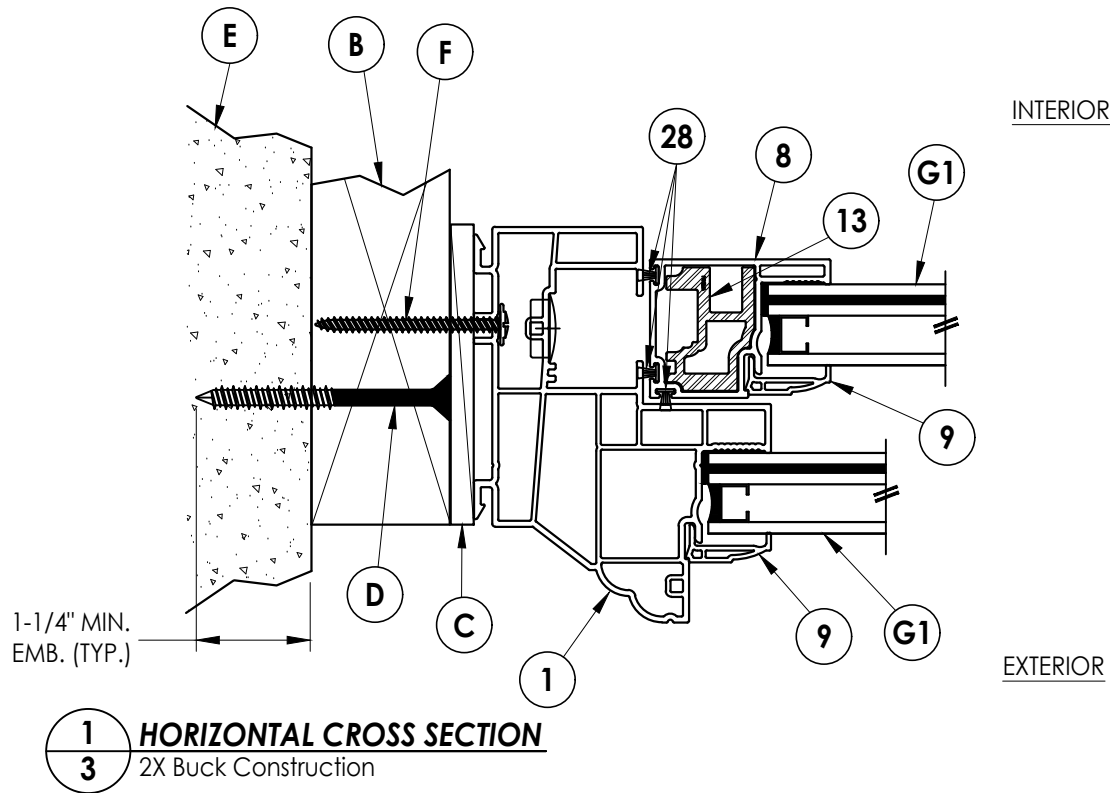
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-23505.1

SHEET 2 OF 7

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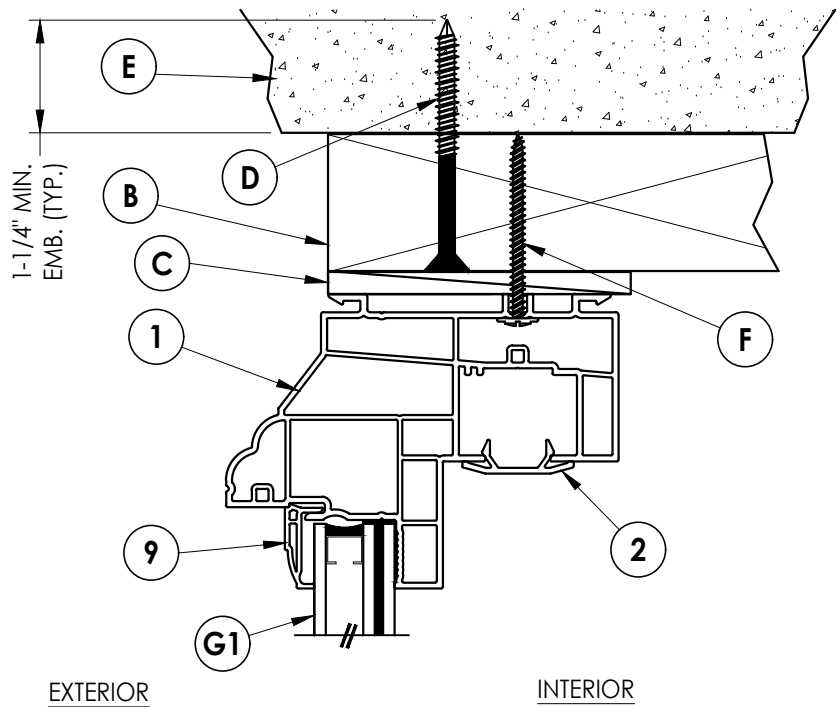


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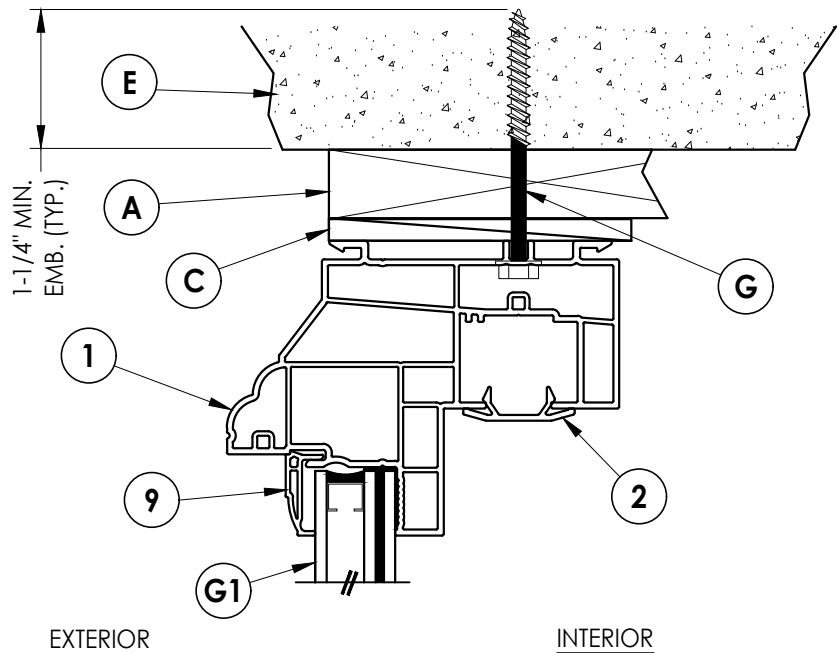
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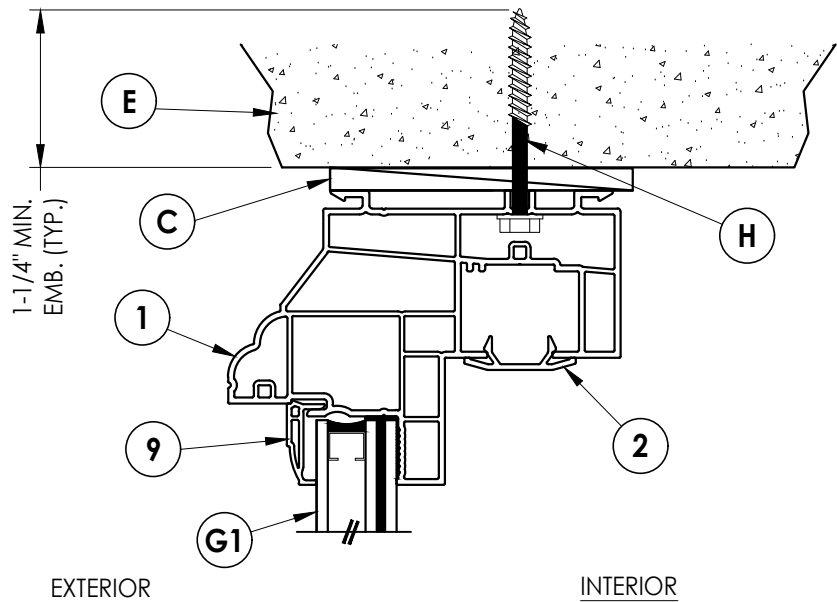
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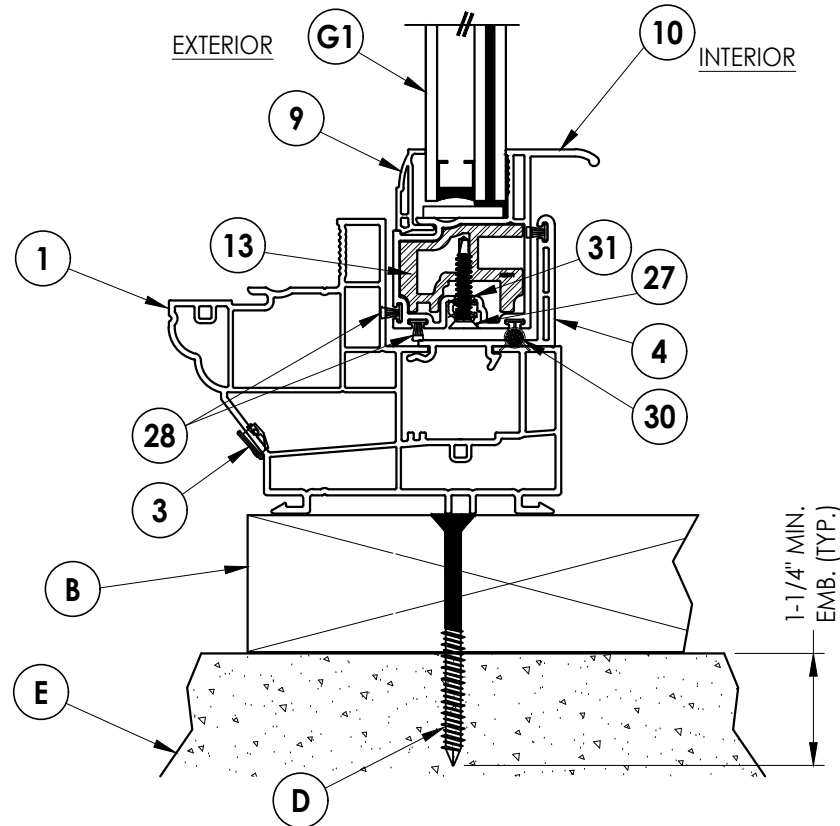
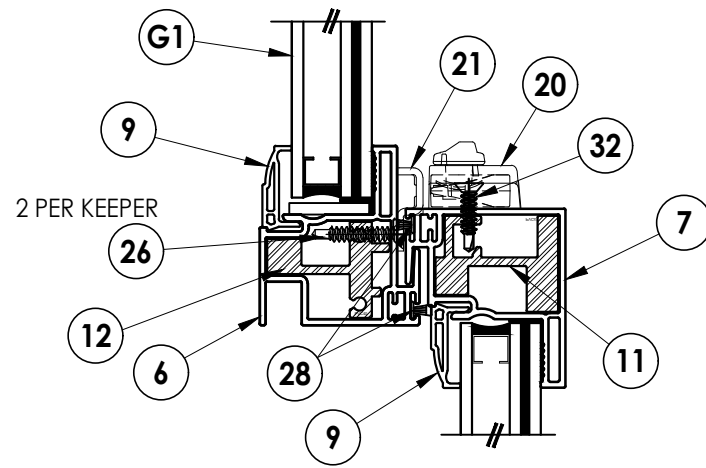
1
4 **VERTICAL CROSS SECTION**
2X Buck Construction



3
4 **VERTICAL CROSS SECTION**
Shown w/ 1X Buck



2
4 **VERTICAL CROSS SECTION**
Shown Direct to Masonry



4
4 **VERTICAL CROSS SECTION**
2X Buck Construction

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PRODUCT: **SOFT-LITE WINDOWS**

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS		
		BY	LFS	
5	7/05/23	UPDATE TO 8TH ED. (2023)	FBC	
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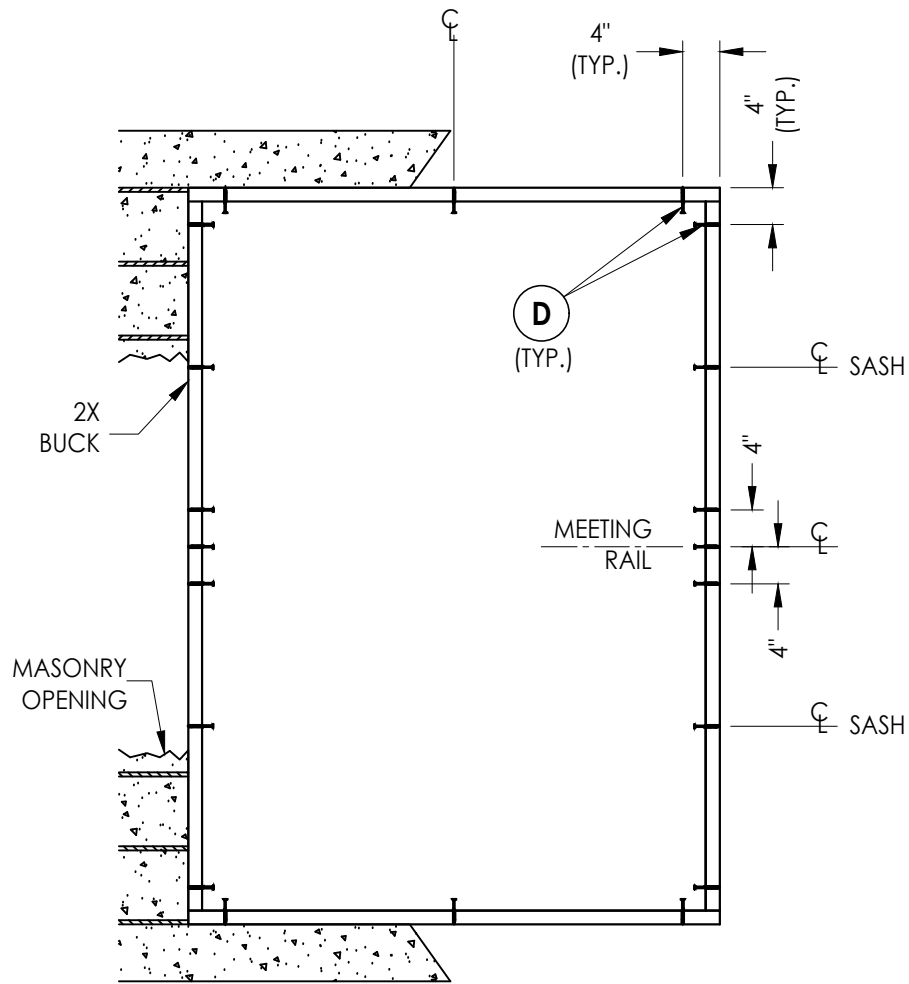
DWG. BY: JK

CHK. BY: LFS

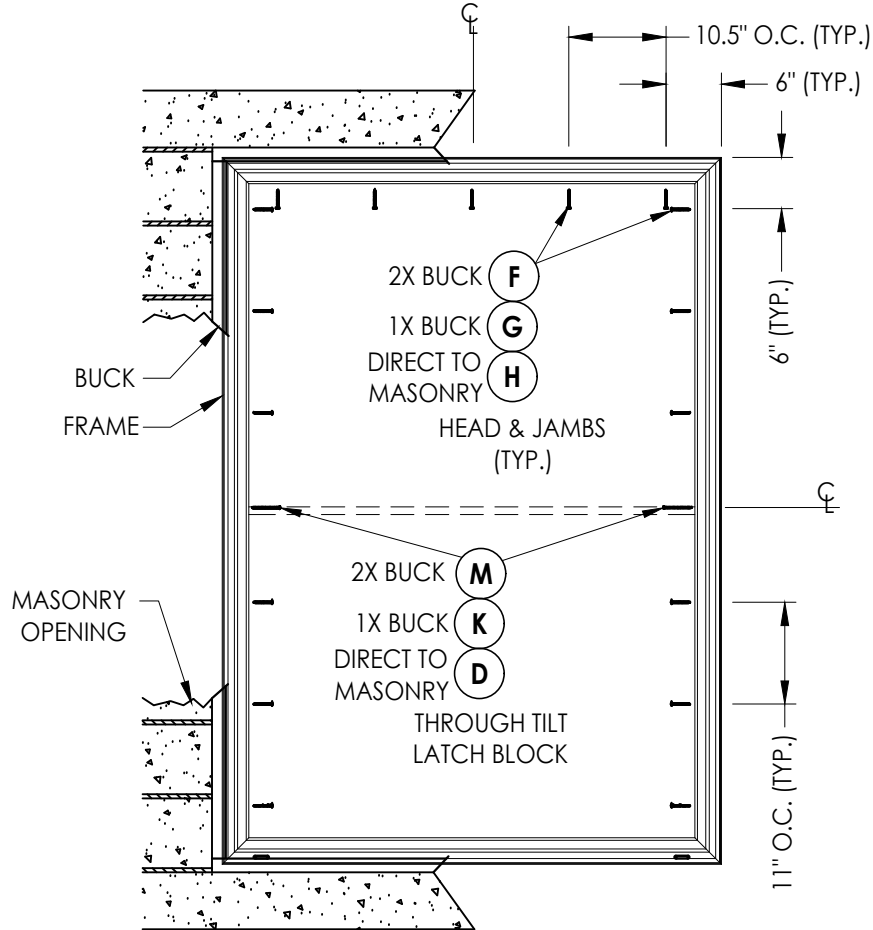
DRAWING NO.:
FL-23505.1

SHEET 4 OF 7

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BUCK ANCHORING



FRAME ANCHORING

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.

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PRODUCT:

SOFT-LITE WINDOWS

PART OR ASSEMBLY:

BUCK AND FRAME ANCHORING

NO.	DATE	REVISIONS
5	7/05/23	UPDATE TO 8TH ED. (2023) FBC
4	2/1/22	REVISE GLAZING DETAILS
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DWG. BY: JK

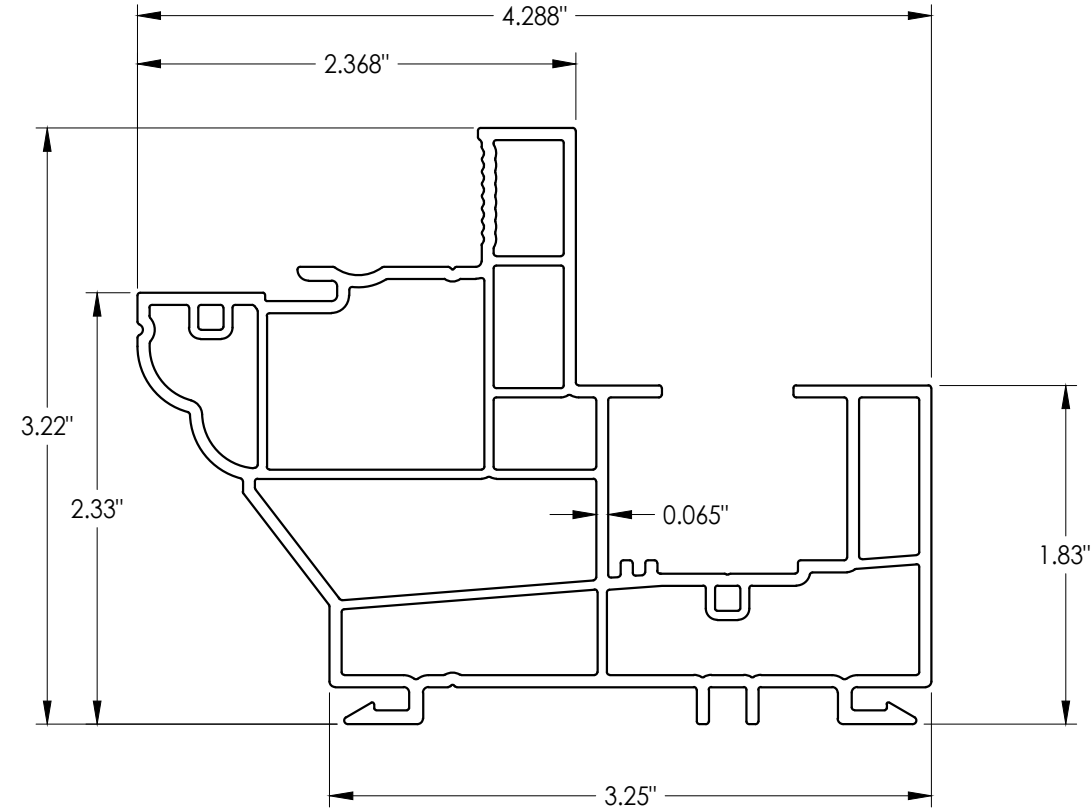
CHK. BY: LFS

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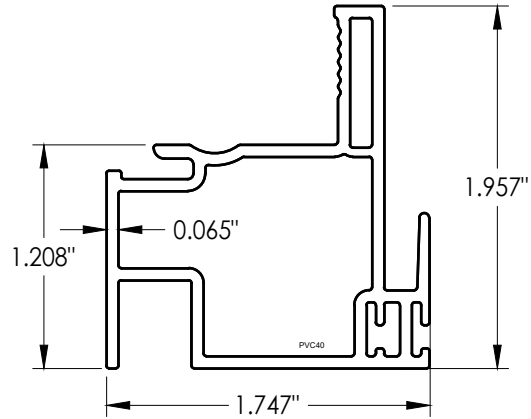
FL-23505.1

SHEET 5 OF 7

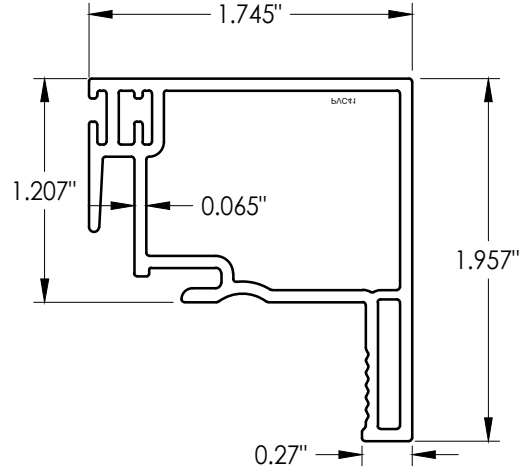
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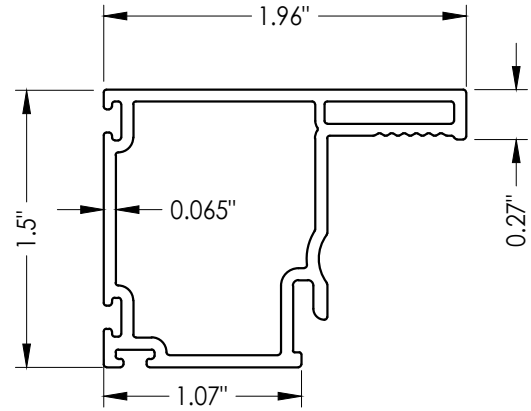
1 FRAME



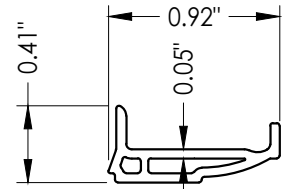
6 KEEPER RAIL



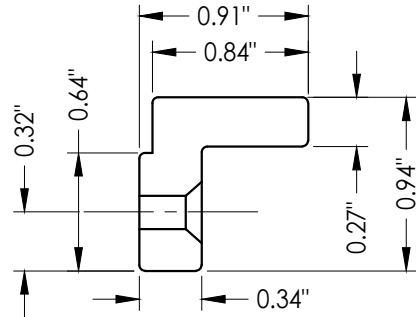
7 LOCK RAIL



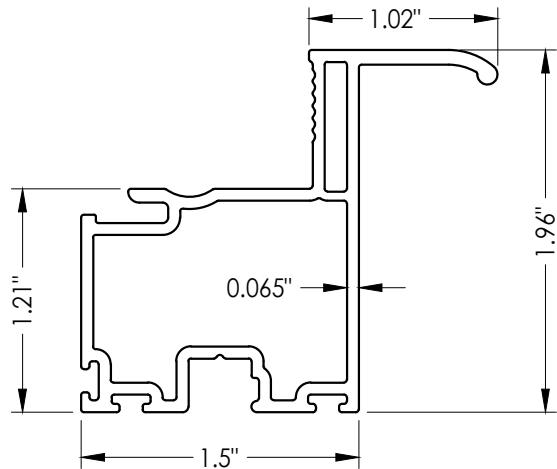
8 PLAIN STILE



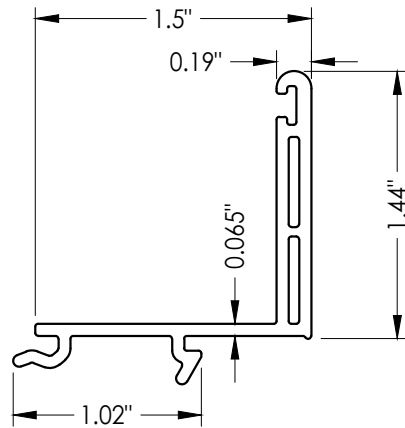
9 GLAZING BEAD



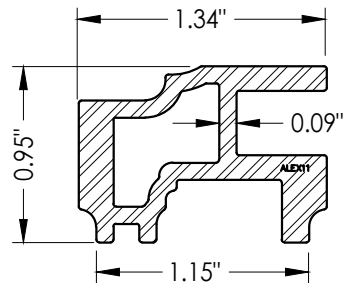
24 TILT LATCH BLOCK



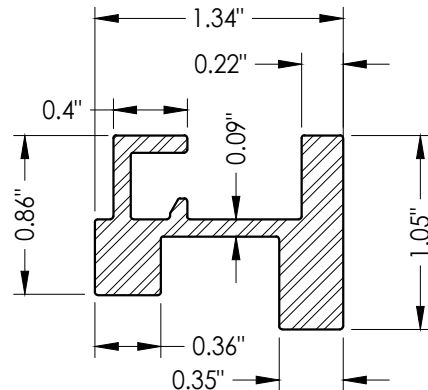
10 LIFT RAIL



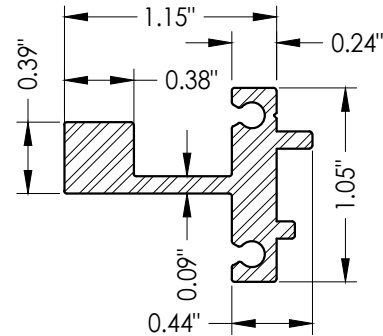
4 SILL ADAPTER



13 REINFORCEMENT



11 REINFORCEMENT



12 REINFORCEMENT

REVISEMENTS	
NO.	DATE
5	7/05/23
4	2/1/22
3	7/13/20
2	11/12/18
1	6/12/18

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DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-23505.1

SHEET 6 OF 7

PRODUCT: SOFT-LITE WINDOWS

PART OR ASSEMBLY: COMPONENTS

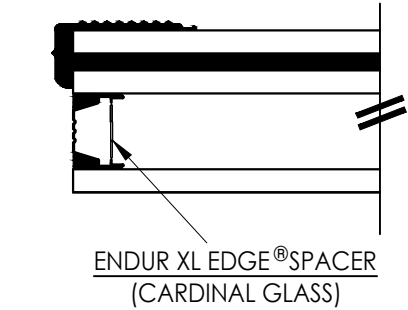
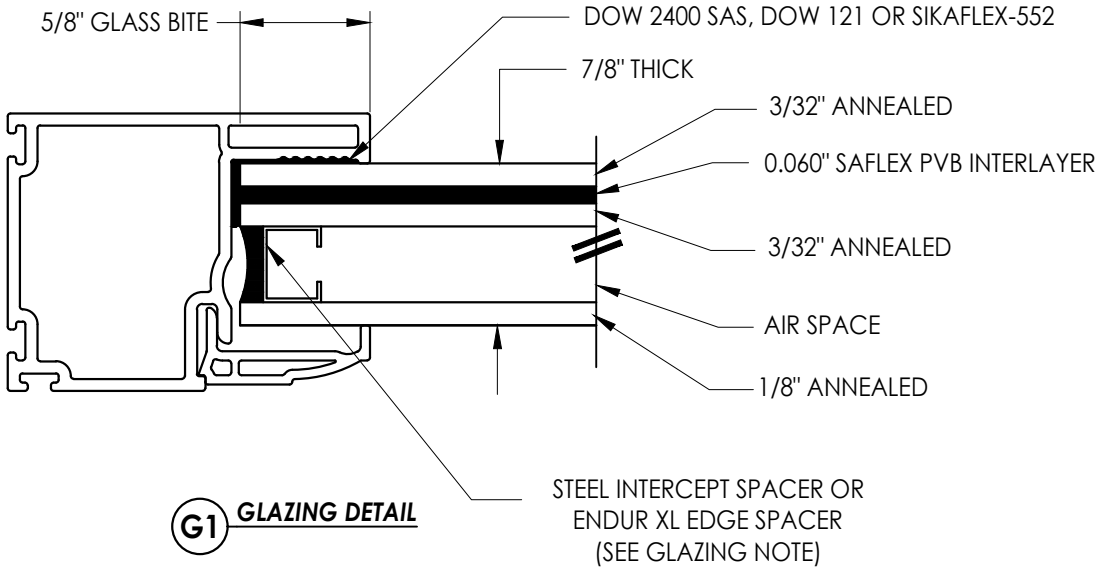
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BILL OF MATERIALS		
ITEM #		MATERIAL
A	1X BUCK SG >= 0.42	WOOD
B	2X BUCK SG >= 0.42	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8-15 X 2" TRUSS HEAD SMS (1-3/8" MIN. EMBEDMENT)	STEEL
G	1/4" X 2-3/4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
H	1/4" X 2-1/4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
M	#10 X 2-3/4" PPH WS (1-3/8" MIN. EMBEDMENT)	STEEL
1	FRAME*	PVC
2	PW COVER*	PVC
3	WEEP HOLE COVER*	PVC
4	SILL ADAPTER*	PVC
6	KEEPER RAIL *	PVC
7	LOCK RAIL *	PVC
8	PLAIN STILE*	PVC
9	GLAZING BEAD*	PVC
10	BOTTOM LIFT RAIL *	PVC
11	REINFORCEMENT (6065-T5 ALUM)	ALUM.
12	REINFORCEMENT (6065-T5 ALUM)	ALUM.
13	REINFORCEMENT (6065-T5 ALUM)	ALUM.
20	LOCK	-
21	LOCK KEEPER	-
24	TILT LATCH BLOCK	-
25	TILT LATCH	-
26	#8 X 1" PFH TEK	STEEL
27	#6 X 1" PFH TEK	STEEL
28	WEATHERSTRIP (187-270 TRI-FIN)	-
30	BULB SEAL	-
31	PIVOT BAR	STEEL
32	#7 X 3/4" PFH TEK	STEEL
33	BALANCER BRACKET	-

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



GLAZING NOTE:
THE ENDUR STAINLESS STEEL XL EDGE® SPACER MAY BE USED AS A SUBSTITUTE SPACER IN THE GLAZING DETAIL SHOWN.

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	
PRODUCT: SOFT-LITE WINDOWS		PART OR ASSEMBLY: BILL OF MATERIALS AND GLAZING DETAIL	
5	7/05/23	UPDATE TO 8TH ED. (2023)	FBC
4	2/1/22	REVISE GLAZING DETAILS	LFS
3	7/13/20	UPDATE TO 7TH ED. (2020)	FBC
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CHK. BY: LFS			
DRAWING NO.: FL-23505.1			
SHEET 7 OF 7			