



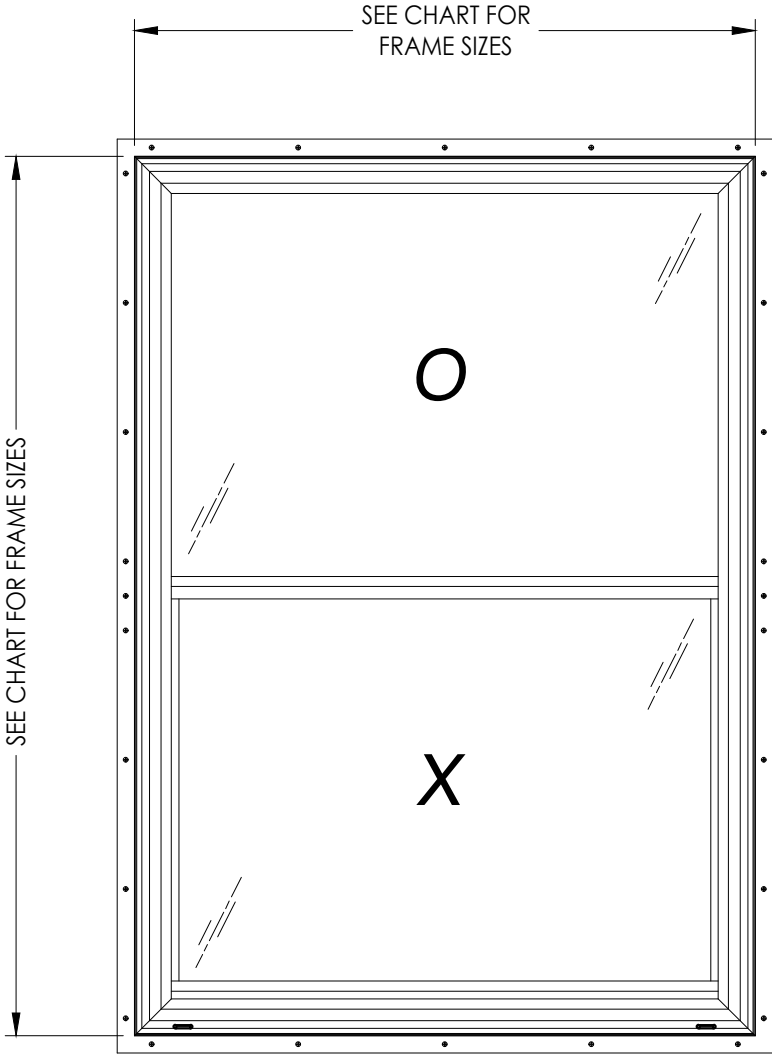
10250 Philipp Parkway
Streetsboro, Ohio 44241

"BARCELONA"
Model "SH30PI"
SINGLE HUNG WINDOW
w/ NAILING FIN
"IMPACT"

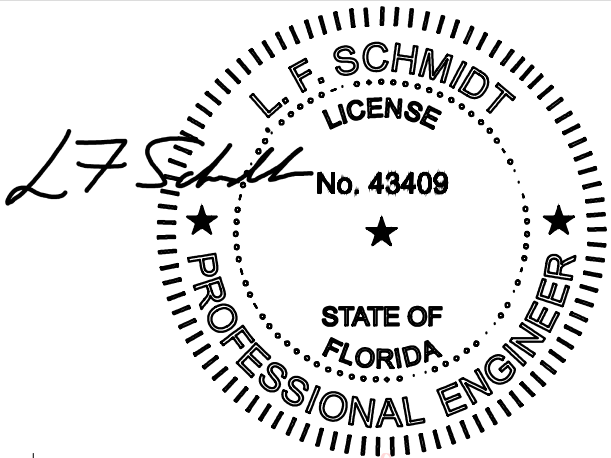
GENERAL NOTES

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. 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	Vertical cross sections
4	Buck and frame anchoring
5	Components
6	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 13:05:53 -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

DATE: 7/22/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23505.9

SHEET 1 OF 6

Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

27/05/23 UPDATE TO 8TH ED. (2023) FBC

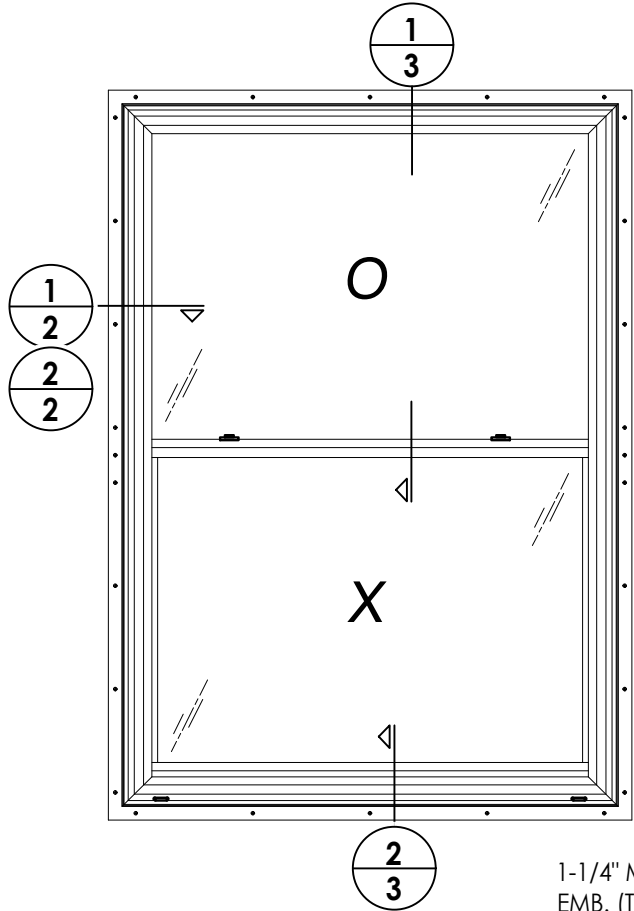
12/1/22 REVISE GLAZING DETAILS

NO. DATE

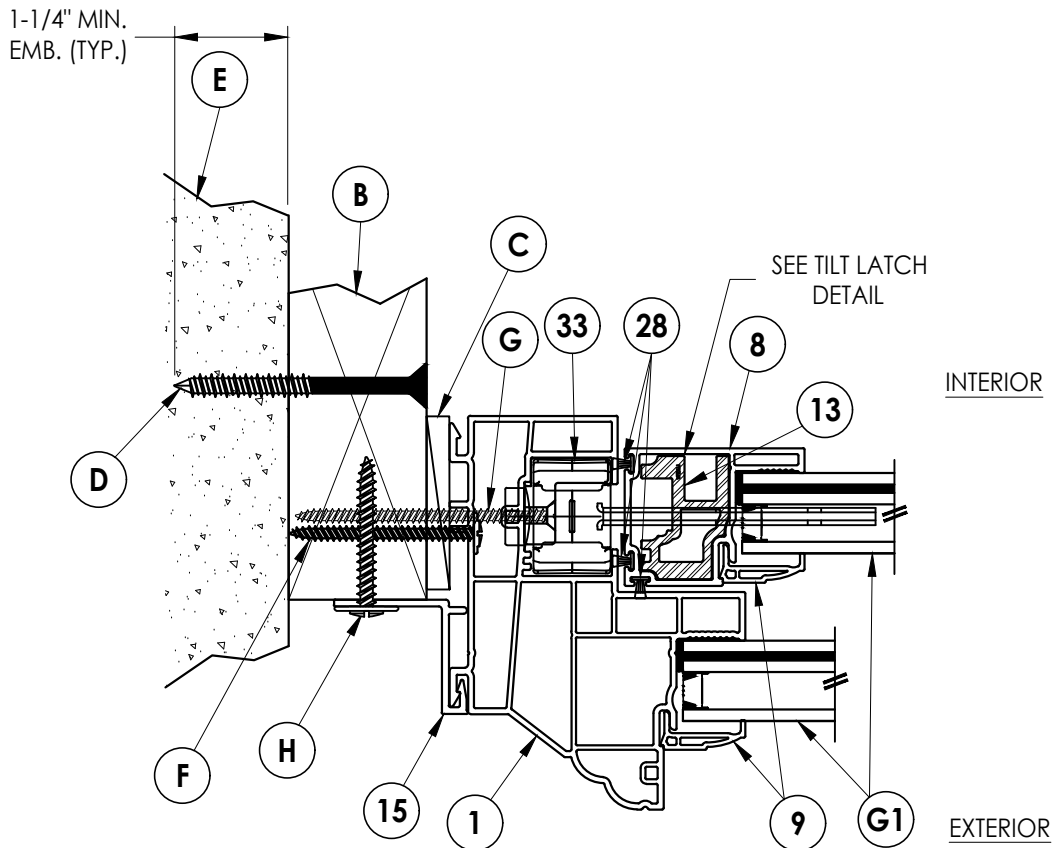
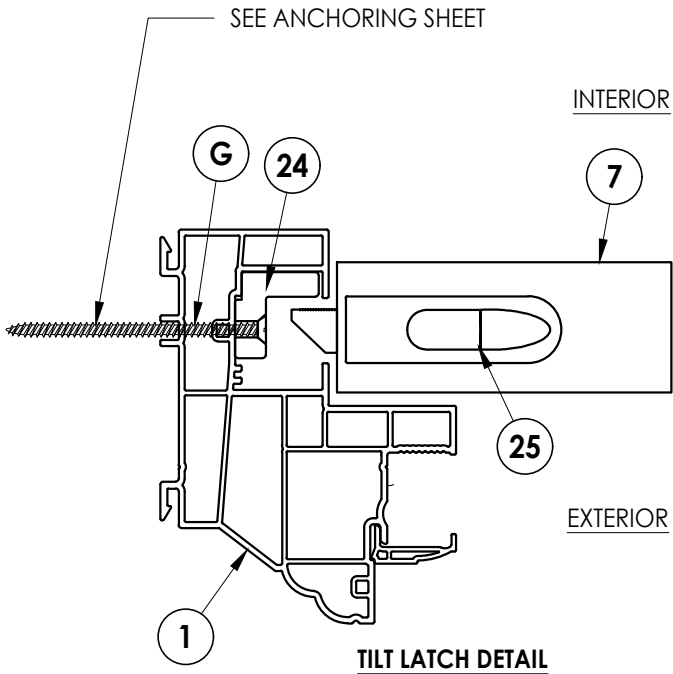
REVISIONS

© 2021 R.W. BUILDING CONSULTANTS INC.

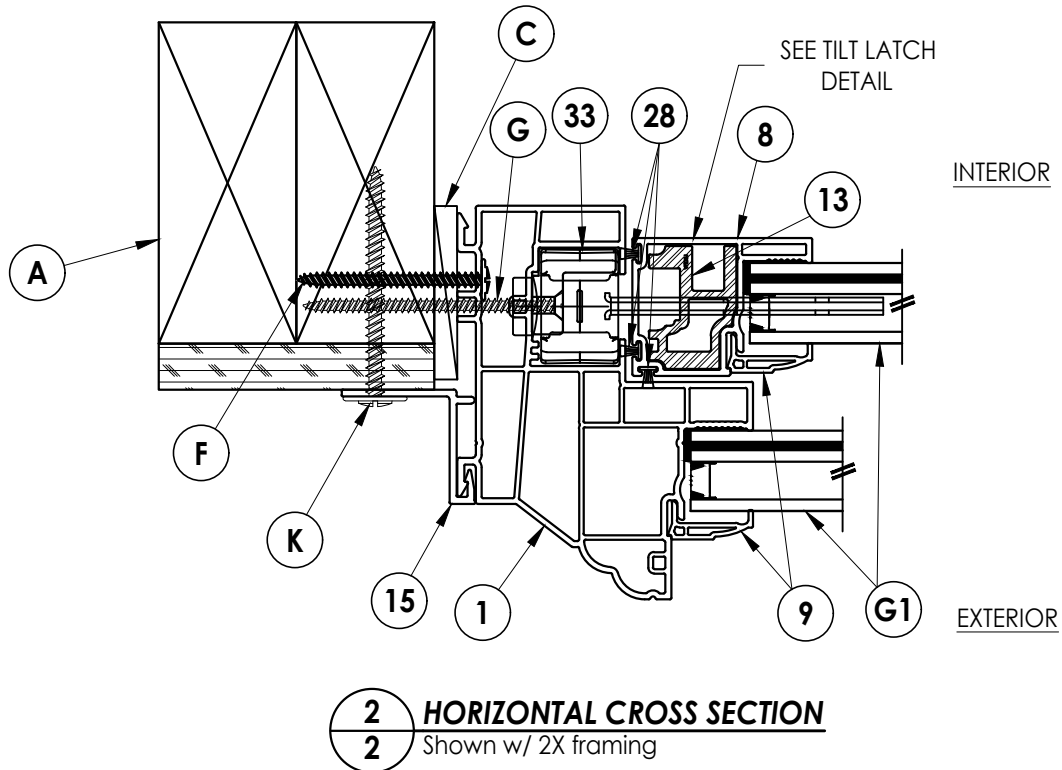
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Hardware Notes:
1. Locks (2) located on lock rail
10" from each jamb.



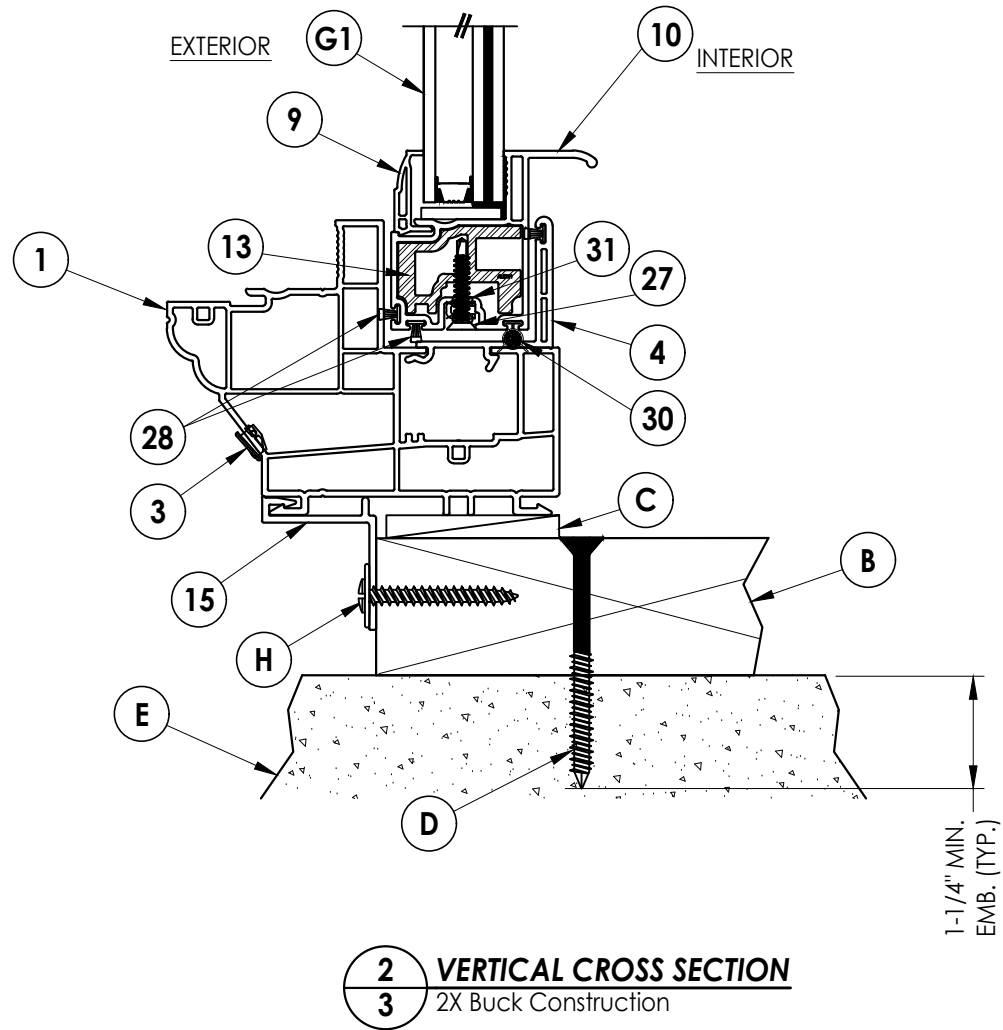
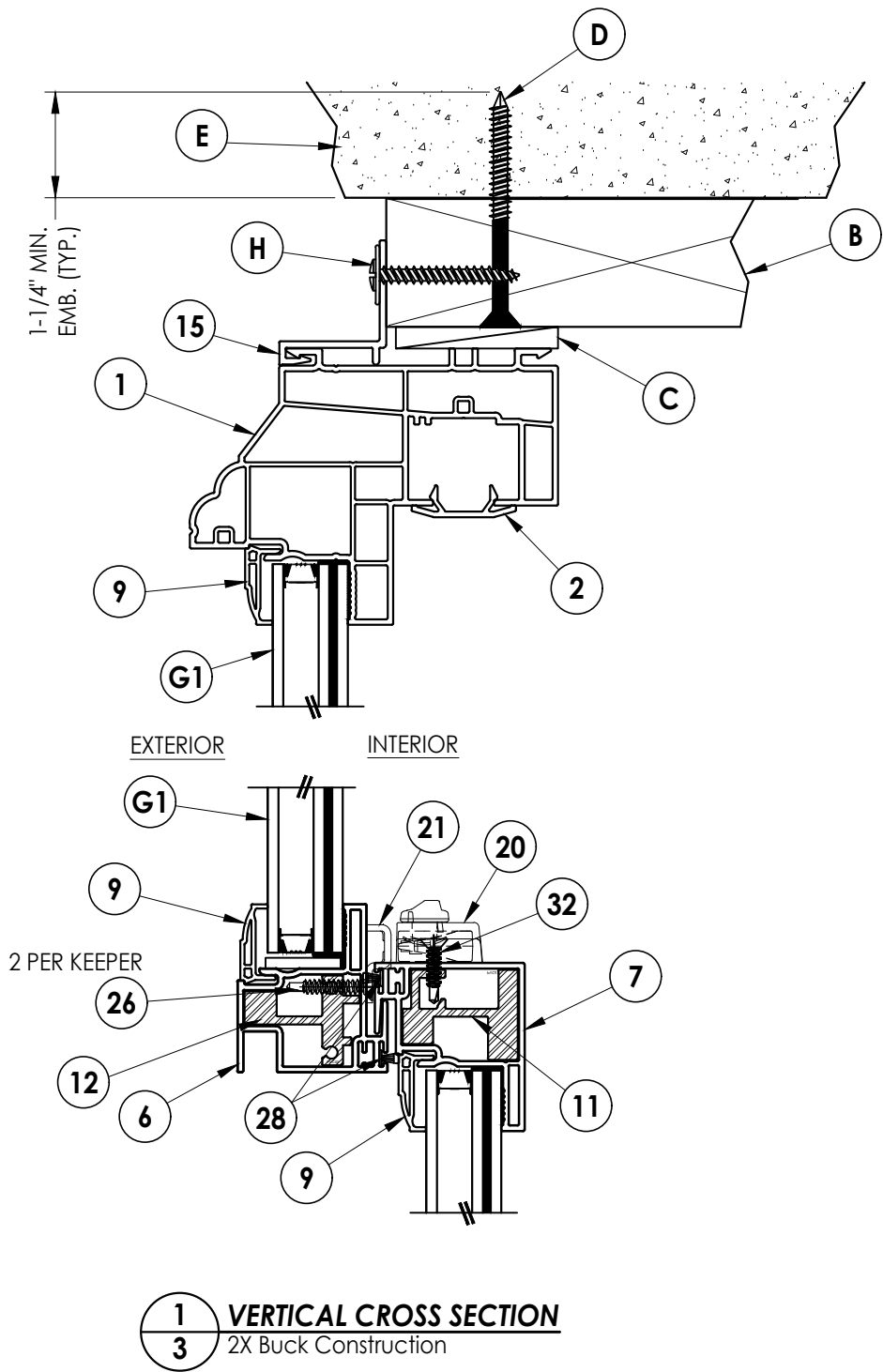
1 HORIZONTAL CROSS SECTION
2 2X Buck Construction



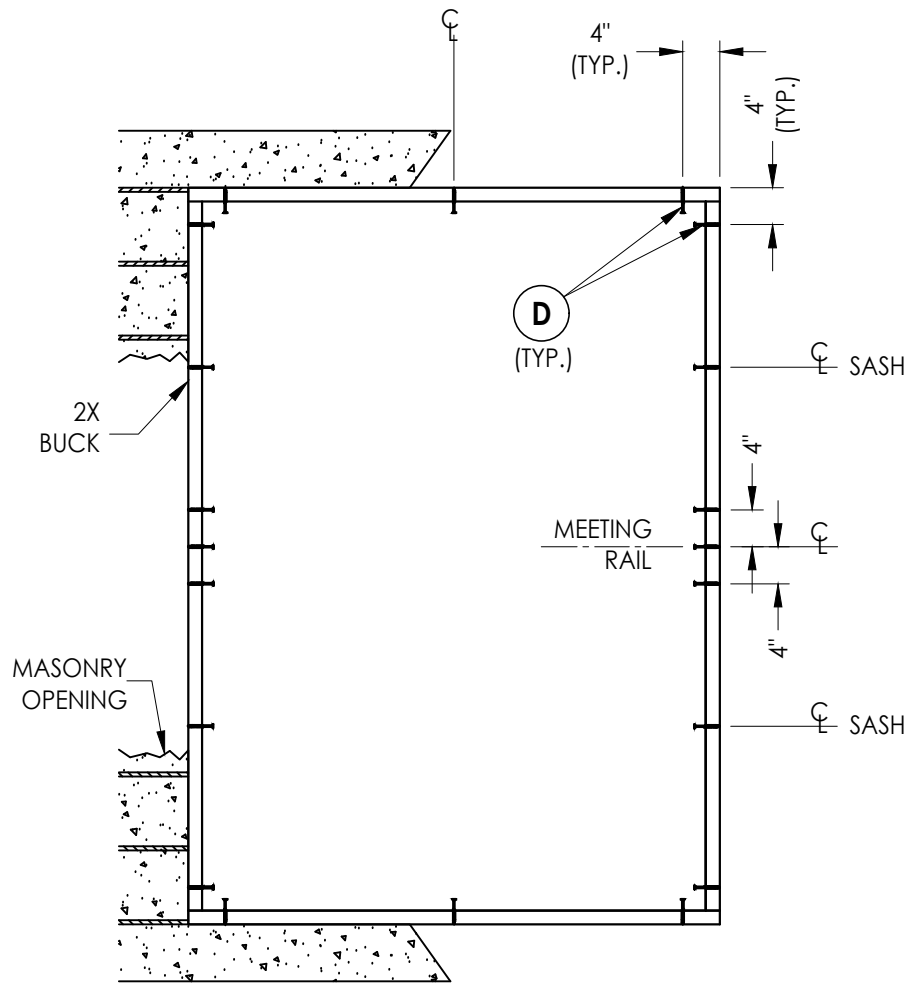
2 HORIZONTAL CROSS SECTION
2 Shown w/ 2X framing

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: SOFT-LITE WINDOWS	PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS		REVISIONS
	NO.	DATE	
	2	7/05/23	UPDATE TO 8TH ED. (2023)
	1	2/1/22	REVISE GLAZING DETAILS
DATE: 7/22/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-23505.9			
SHEET 2 OF 6			

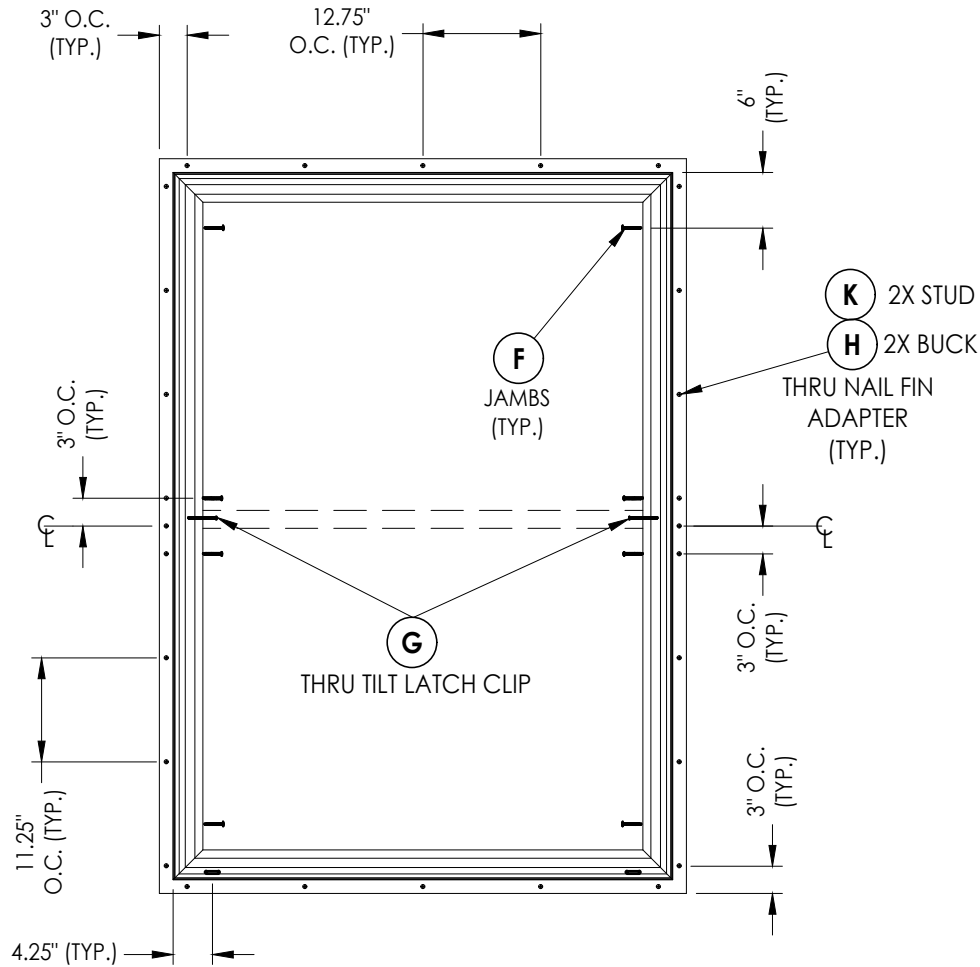
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Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409										<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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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.

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: SOFT-LITE WINDOWS

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING

NO.	DATE	REVISIONS
2	7/05/23	UPDATE TO 8TH ED. (2023) FBC
1	2/1/22	REVISE GLAZING DETAILS

DATE: 7/22/21

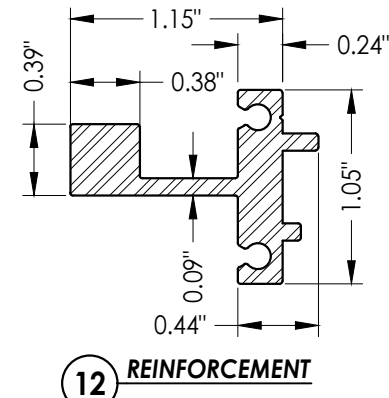
SCALE: N.T.S.

DWG. BY: RW

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SHEET 4 OF 6



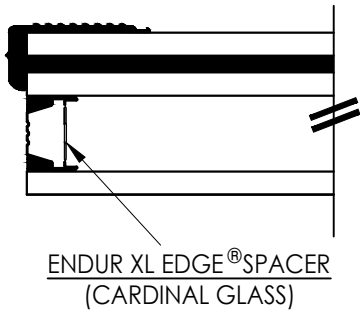
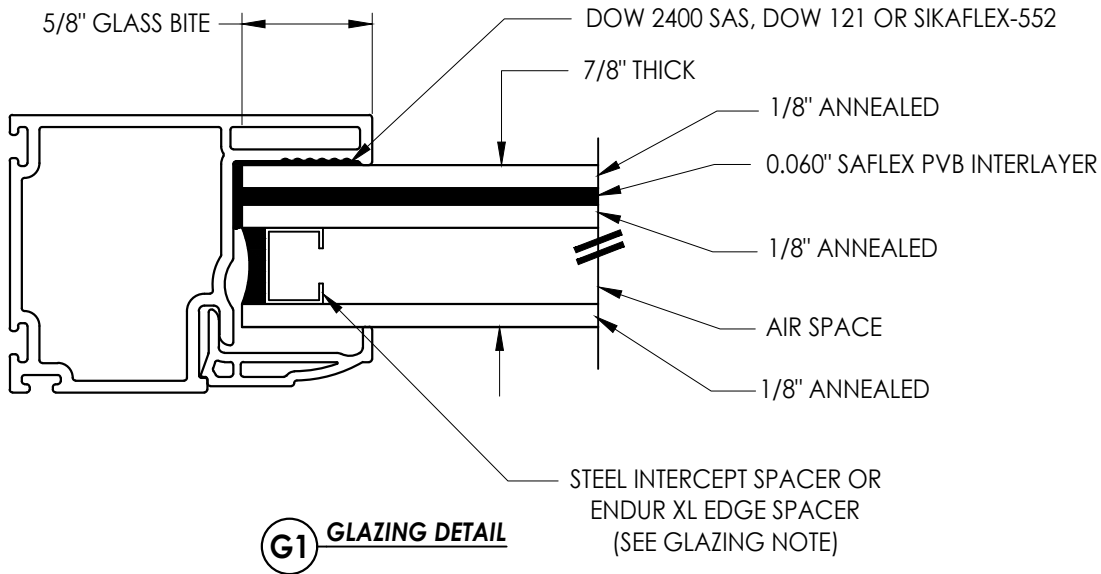
DATE:	7/22/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-23505.9
SHEET	5 OF 6

BUILDING CONSULTANTS, INC.
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BILL OF MATERIALS		
ITEM #		MATERIAL
A	2X FRAMING (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	#10 X 2" TRUSS HEAD SMS (1-3/8" MIN. EMBEDMENT)	STEEL
G	#10 X 2-1/2" FH SMS (1-1/8" MIN. EMBEDMENT)	STEEL
H	#8 X 1-5/8" MODIFIED TRUSS HEAD (7/16" Ø HEAD) SMS (1-1/2" MIN. EMBEDMENT)	STEEL
K	#8 X 2-1/2" MODIFIED TRUSS HEAD (7/16" Ø HEAD) SMS (1-1/2" 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
15	NAIL FIN ADAPTER*	PVC
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.

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PRODUCT: SOFT-LITE WINDOWS		PART OR ASSEMBLY: BILL OF MATERIALS AND GLAZING DETAIL	
		LFS	
		LFS	
		BY	
		REVISIONS	
		2	7/05/23
		1	2/1/22
		NO.	DATE
DATE: 7/22/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-23505.9			
SHEET 6 OF 6			