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SERIES 1900 MODEL 1900

SINGLE HUNG WINDOW

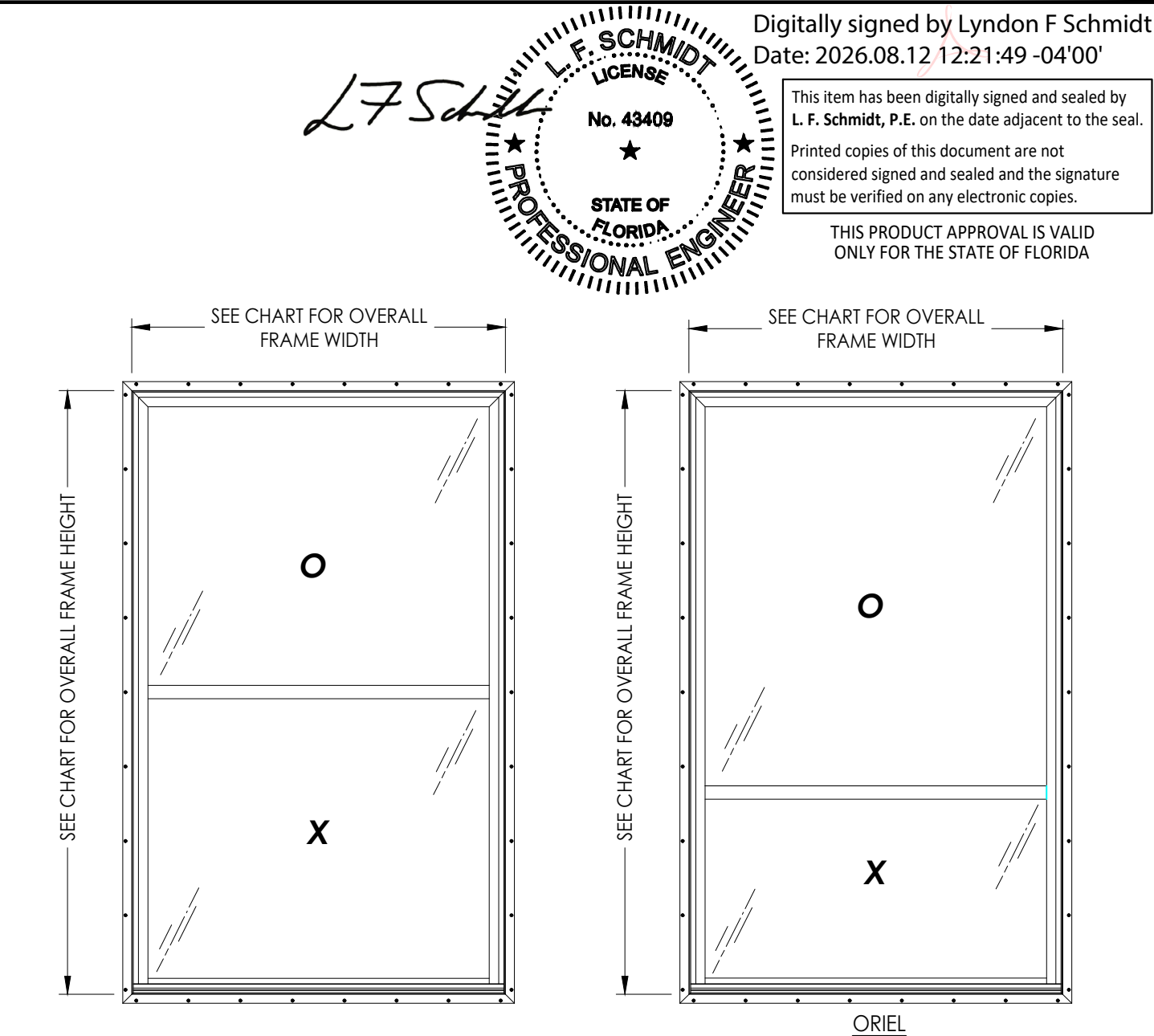
w/ NAILING FIN

"NON-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 must be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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	Vertical & horizontal cross sections
3	Vertical & horizontal cross sections
4	Buck anchoring
5	Frame anchoring
6	Bill of materials, glazing detail & components



OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	FIXED WINDOW OVERALL D.L.O. DIMENSION (O)	SASH OVERALL D.L.O. DIMENSION (X)	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
47.0" x 78.0"	44.0" x 75.0"	39.5" x 33.875"	39.5" x 34.5"	G2	+20.0	-20.0
47.0" x 78.0"	44.0" x 75.0"	39.5" x 33.875"	39.5" x 34.5"	G1	+25.0	-25.0
51.0" x 87.0"	48.0" x 84.0"	43.375" x 38.75"	43.5" x 38.875"		+20.0	-25.0
55.0" x 81.0"	52.0" x 78.0"	47.375" x 35.75"	47.5" x 35.875"		+25.0	-25.0
51.0" x 99.0"	48.0" x 96.0"	43.5" x 60.875"	43.5" x 28.625"		+25.0	-25.0
55.0" x 87.0"	52.0" x 84.0"	47.5" x 52.75"	47.5" x 24.75"		+30.0	-30.0

REFER TO SHEETS 2 & 3 FOR REQUIRED REINFORCEMENT.

L F Schmidt

L. F. SCHMIDT

LICENSE

No. 43409

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Digitally signed by Lyndon F Schmidt

Date: 2026.08.12 12:21:49 -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

SINGLE HUNG WINDOW

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN PRESSURE AND GENERAL NOTES

DATE: 9/20/23

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-10465.13

SHEET 1 OF 6

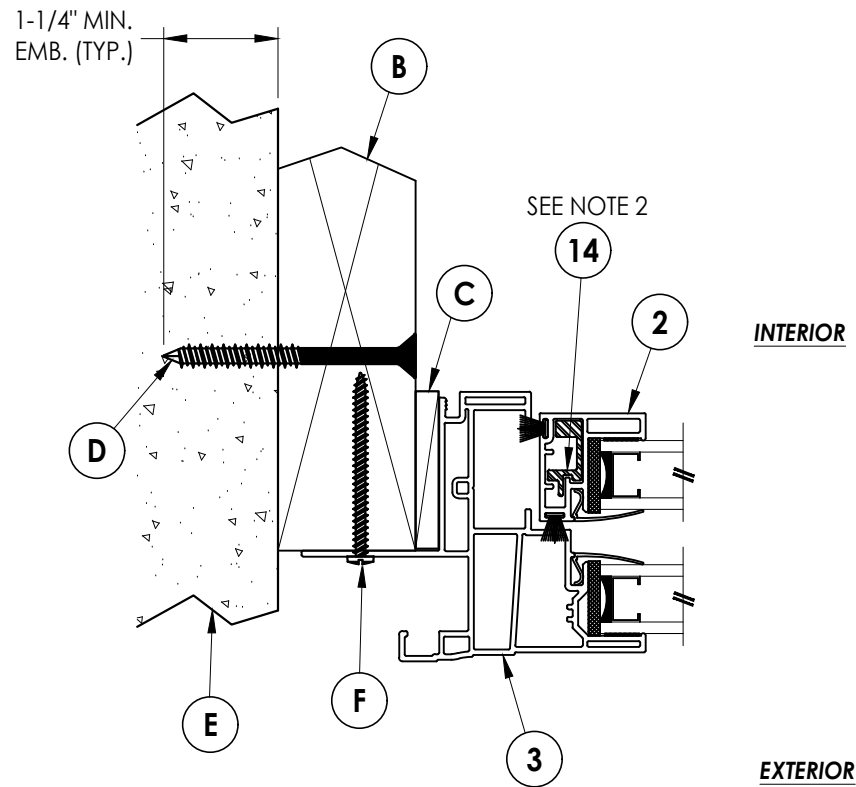
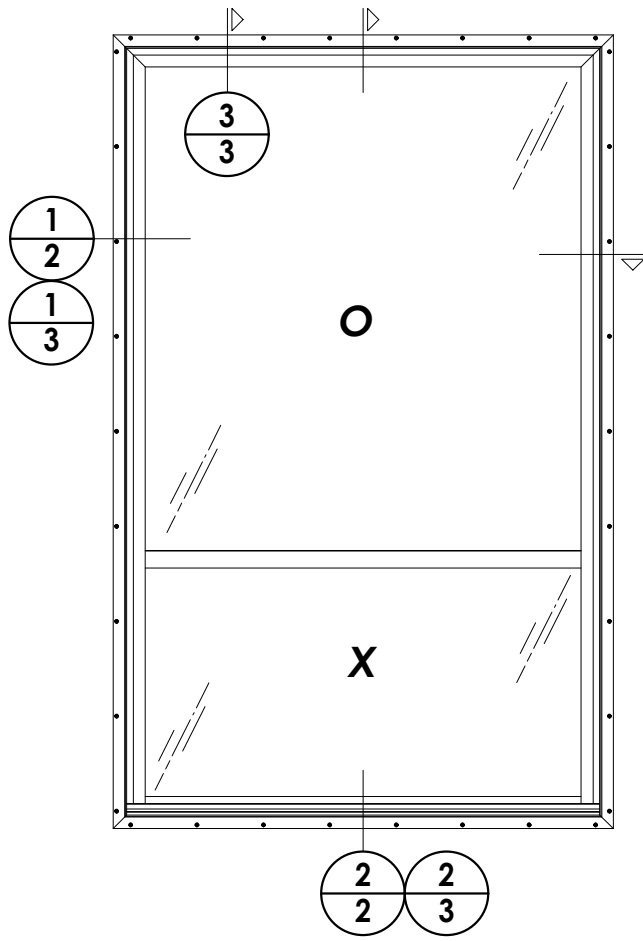
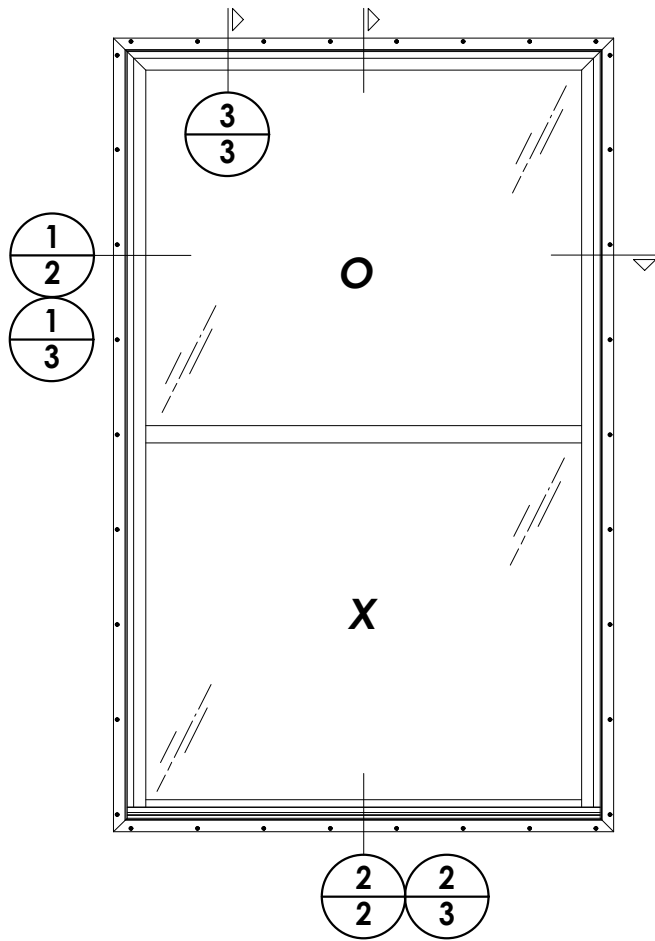
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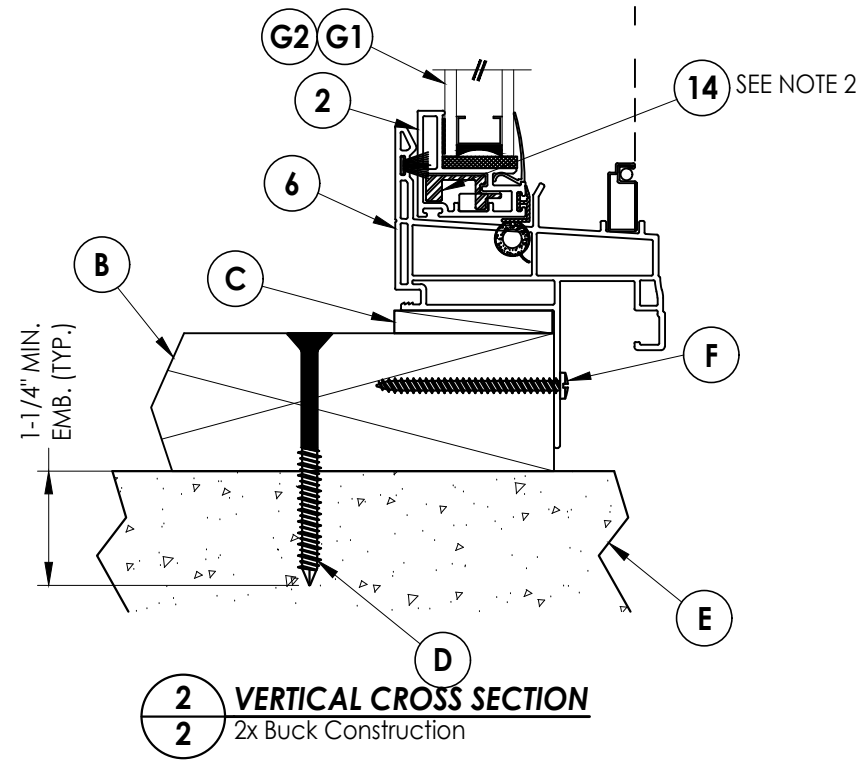
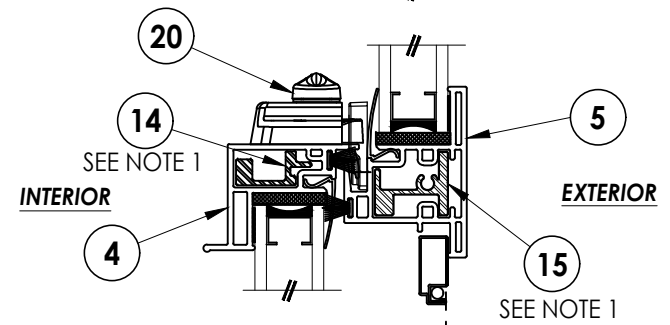
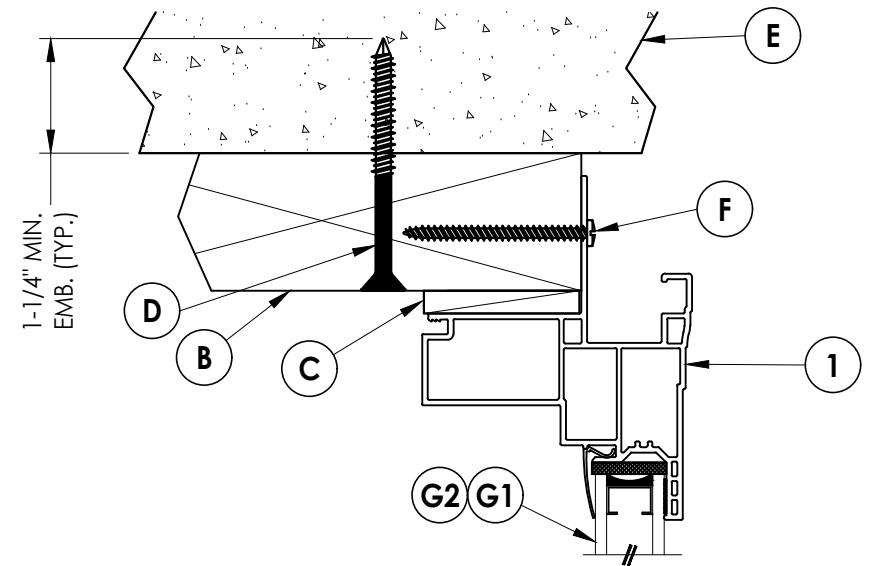
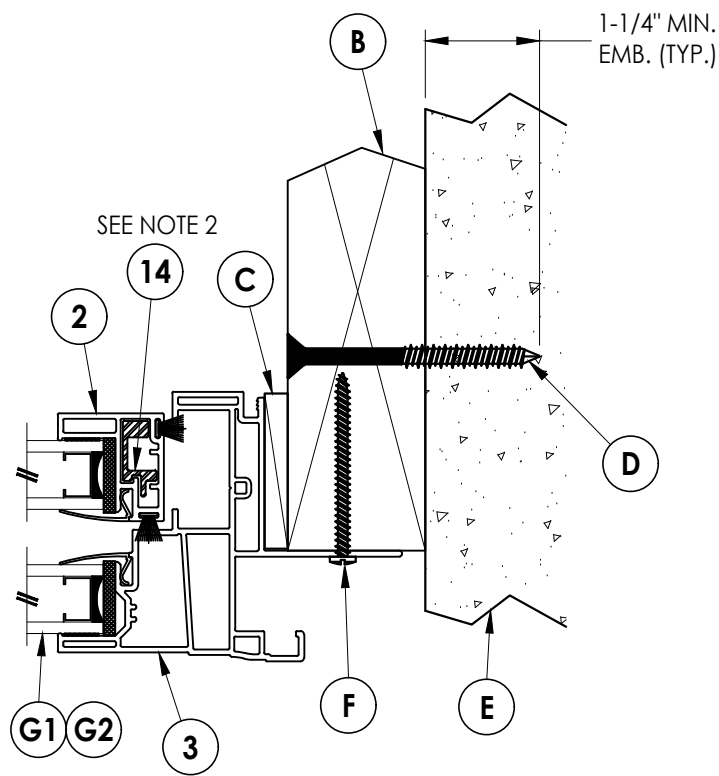
Phone No.: 813.659.9197

FBPE Registry No. 9813

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1 HORIZONTAL CROSS SECTION
2 2x Buck Construction



2 VERTICAL CROSS SECTION
2 2x Buck Construction

- REINFORCEMENT NOTES:
- LOCK & MEETING RAIL REINFORCEMENTS ARE REQUIRED FOR ALL WINDOW FRAME SIZES.
 - SASH STILE & BOTTOM RAIL REINFORCEMENTS ARE REQUIRED FOR EACH OF THE FOLLOWING:
 - ALL WINDOW FRAME SIZES > 44" x 75".
 - ALL WINDOW FRAME SIZES WITH DESIGN PRESSURE > 20 PSF.

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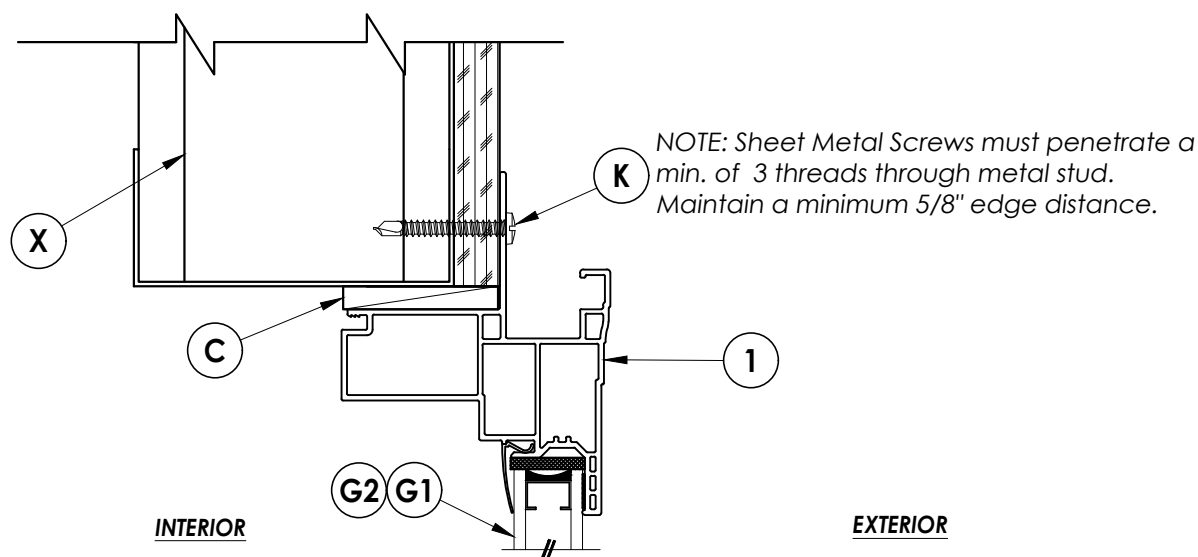
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
SINGLE HUNG WINDOW

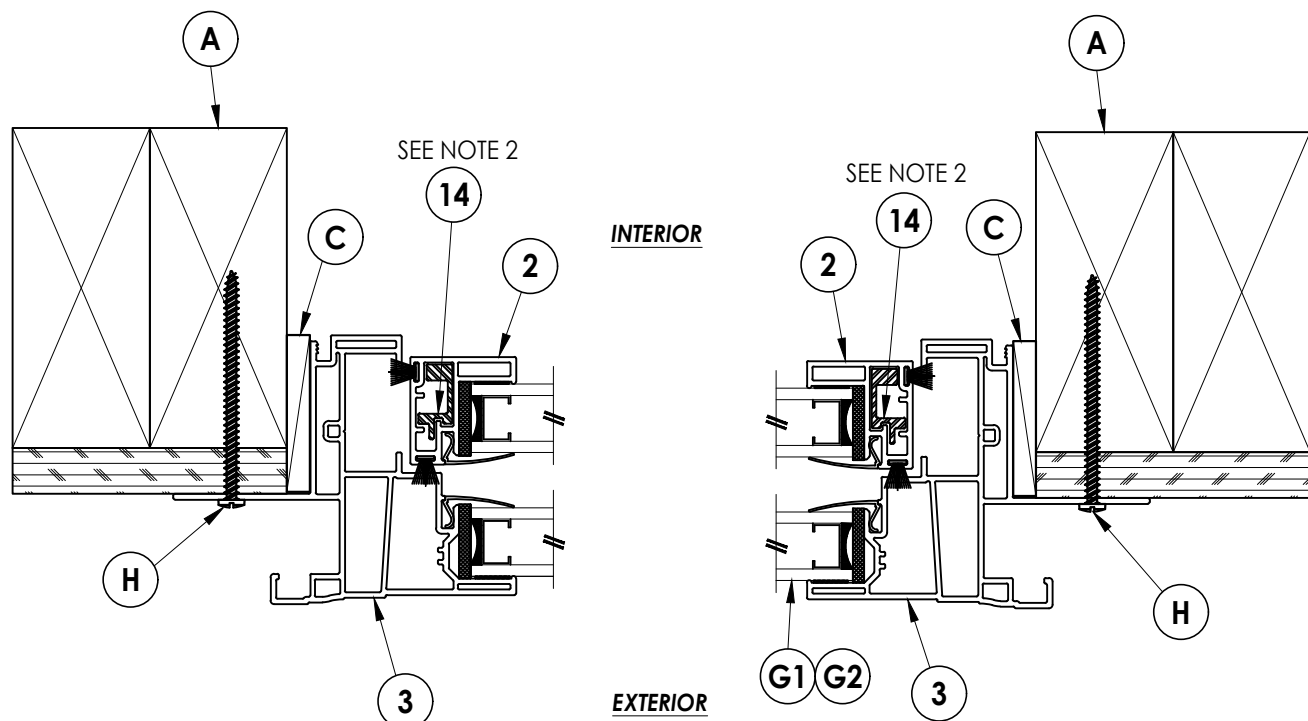
PART OR ASSEMBLY:
VERTICAL & HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC
LFS	BY	

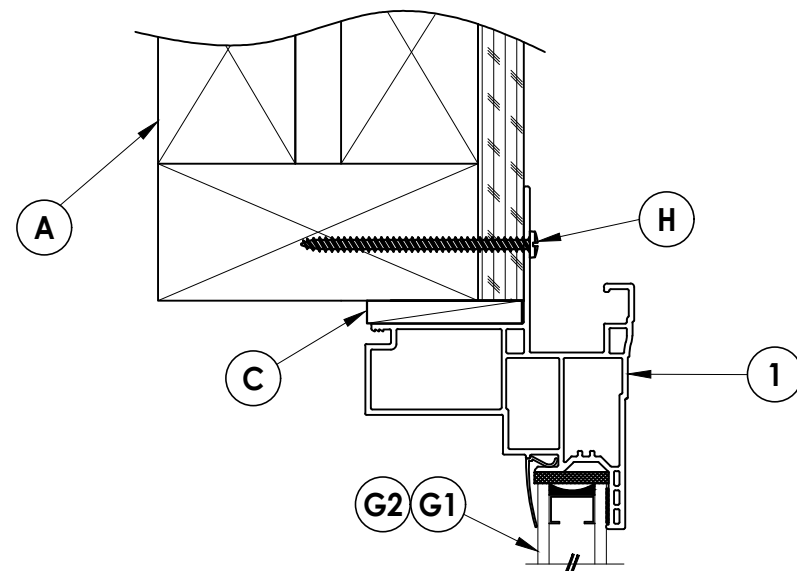
DATE: 9/20/23
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DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-10465.13
SHEET 2 OF 6



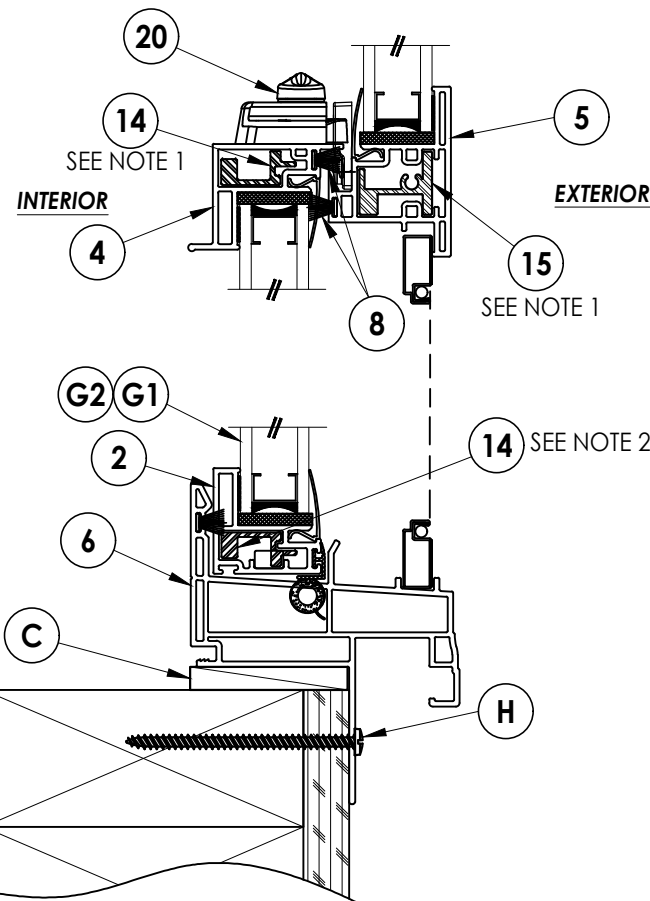
3 VERTICAL CROSS SECTION
Steel Stud Construction



1 HORIZONTAL CROSS SECTION
Stud Construction



2 VERTICAL CROSS SECTION
Stud Construction



- REINFORCEMENT NOTES:**
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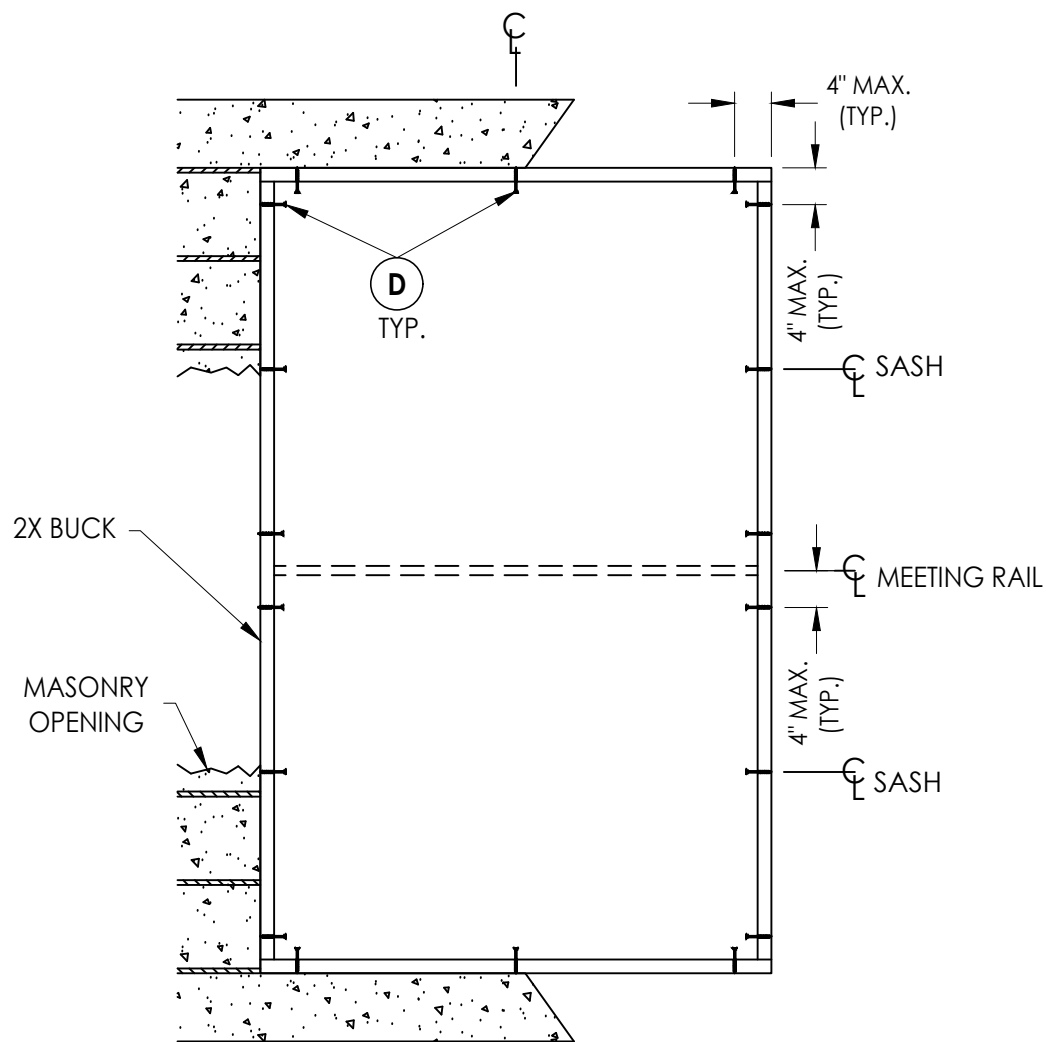
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PRODUCT:	SINGLE HUNG WINDOW
PART OR ASSEMBLY:	VERTICAL & HORIZONTAL CROSS SECTIONS

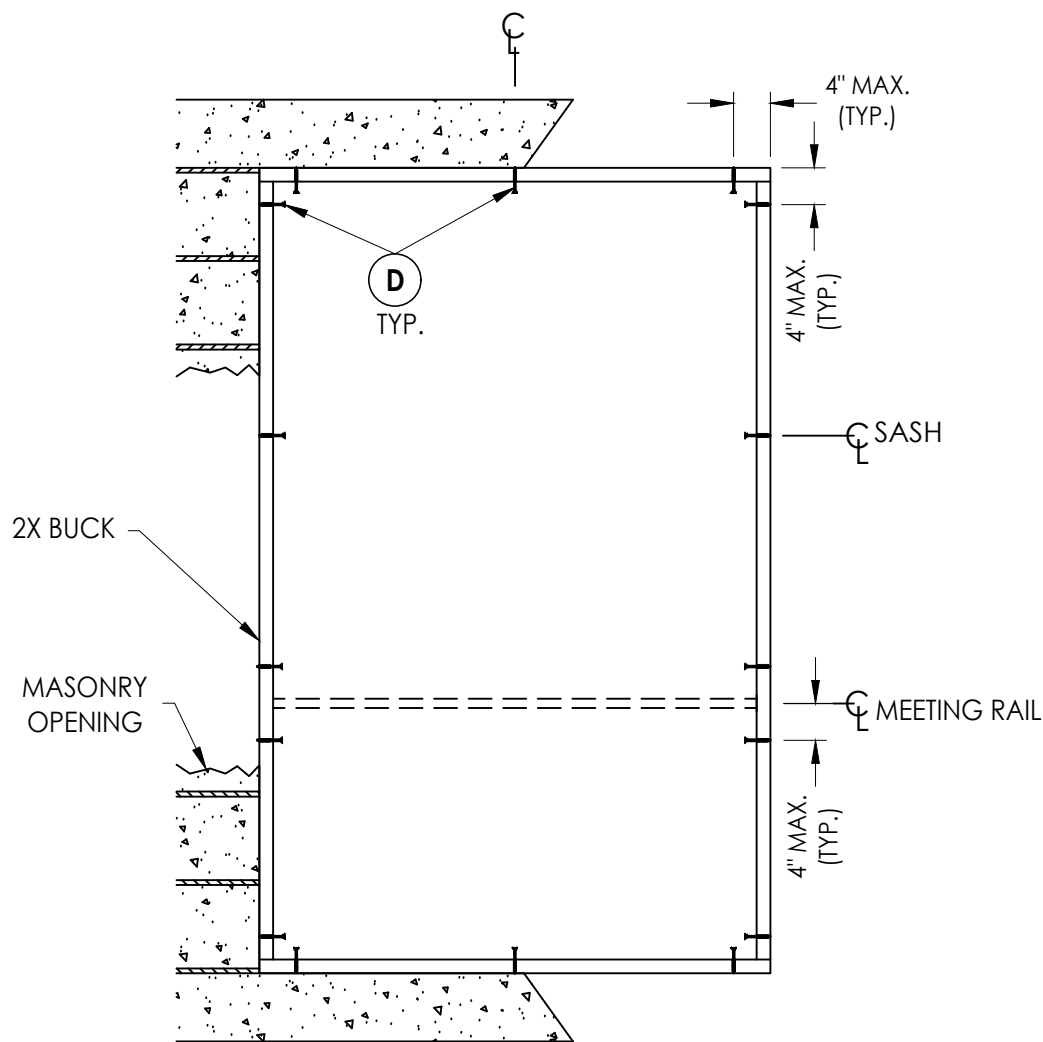
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		LFS
		BY

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SHEET	3 OF 6

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BUCK ANCHORING



**BUCK ANCHORING
ORIEL**

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®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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.

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

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:
SINGLE HUNG WINDOW

PART OR ASSEMBLY:
BUCK ANCHORING

NO.	DATE	REVISIONS
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		LFS
		BY

DATE: 9/20/23

SCALE: N.T.S.

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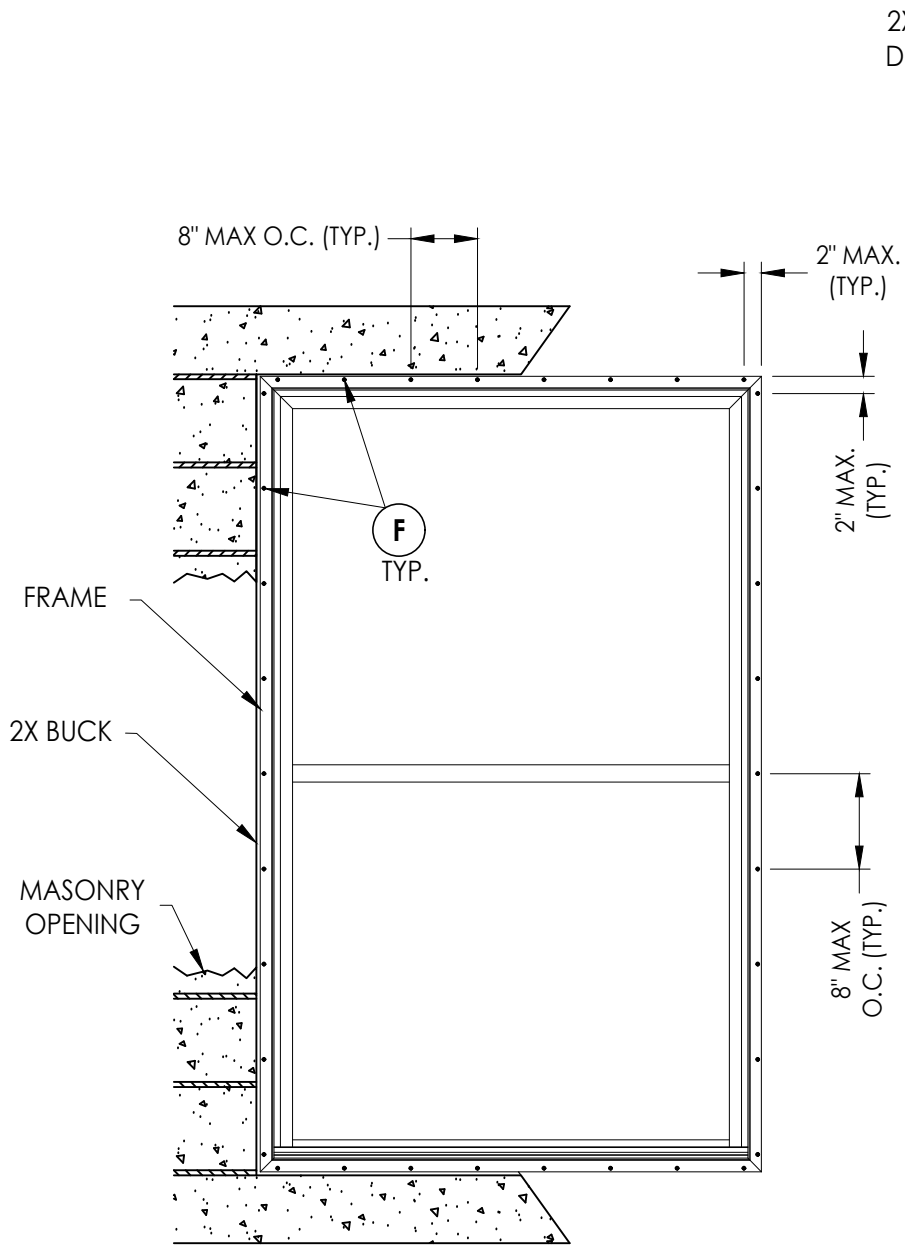
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DRAWING NO.:

FL-10465.13

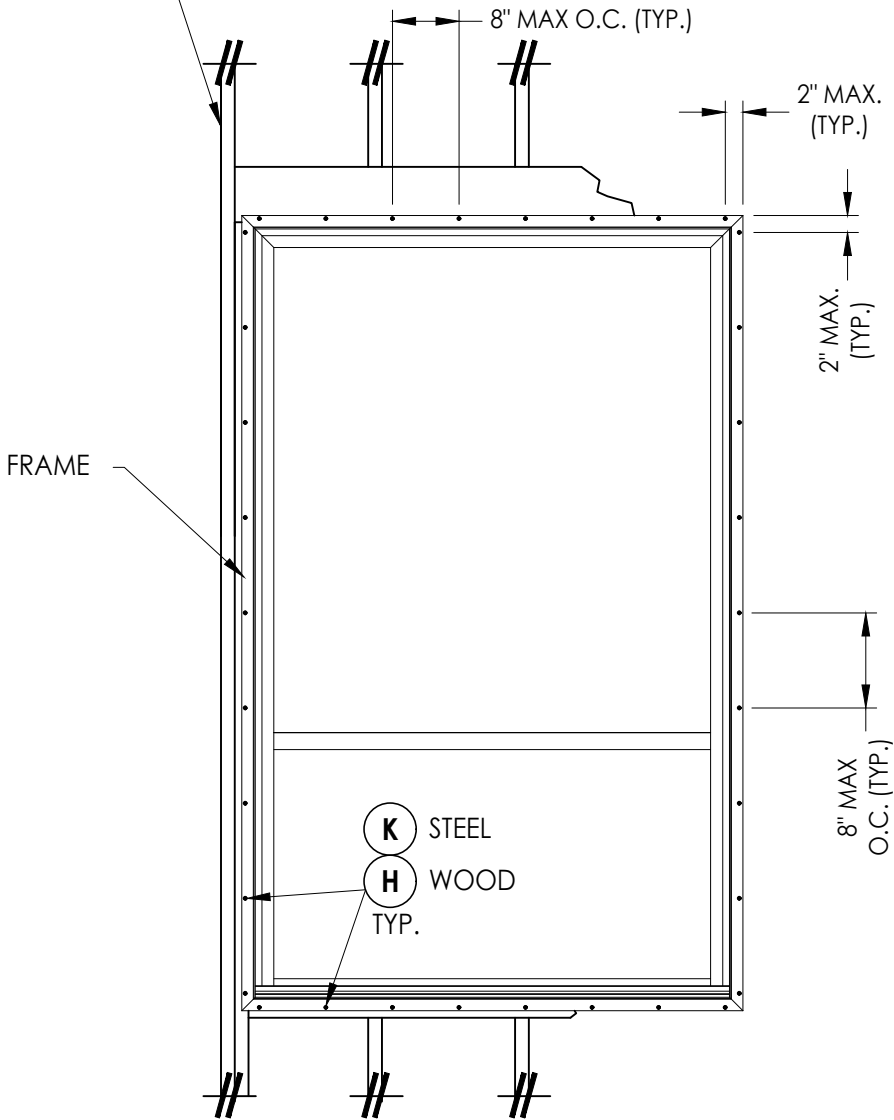
SHEET 4 OF 6

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FRAME ANCHORING
Masonry 2X Buck Construction

2X WOOD STUD FRAMING OR STEEL STUD FRAMING TO BE
DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD.



FRAME ANCHORING
Stud Construction

DATE: 9/20/23	
SCALE: N.T.S.	
DWG. BY: RW	
CHK. BY: LFS	
DRAWING NO.: FL-10465.13	
SHEET 5	OF 6

NO.	DATE	DESCRIPTION
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC
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BY		

PRODUCT:	SINGLE HUNG WINDOW
PART OR ASSEMBLY:	FRAME ANCHORING

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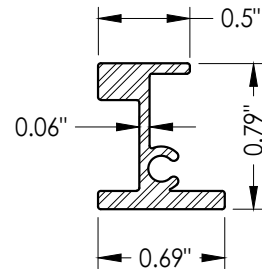
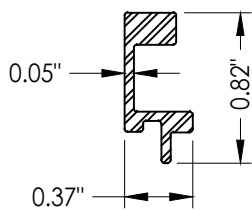
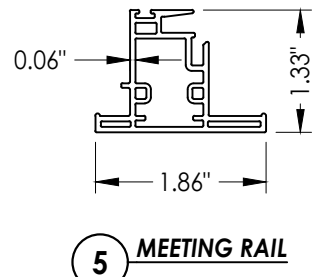
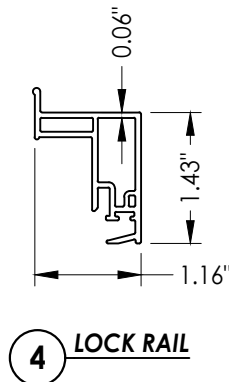
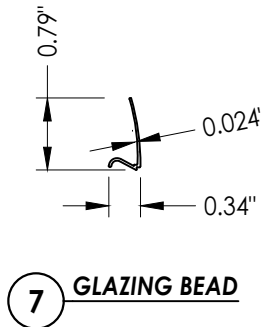
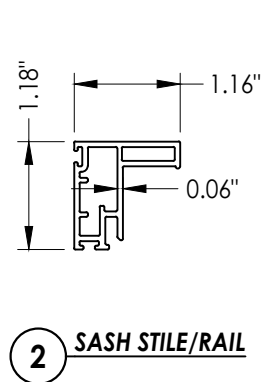
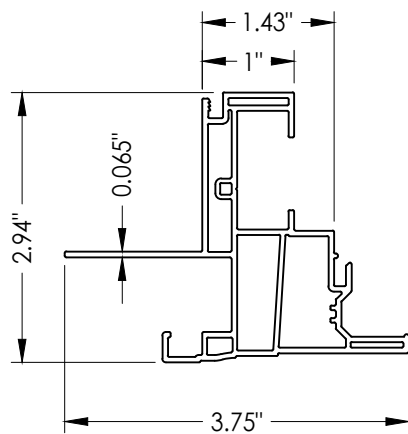
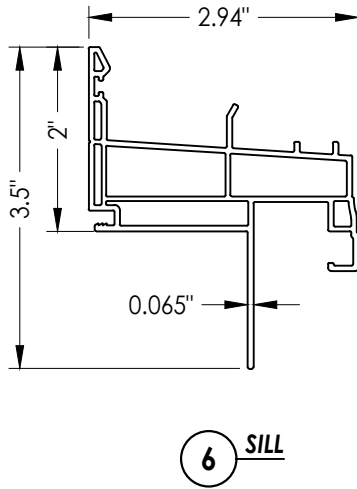
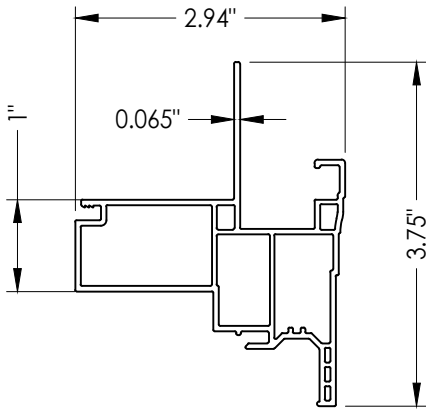
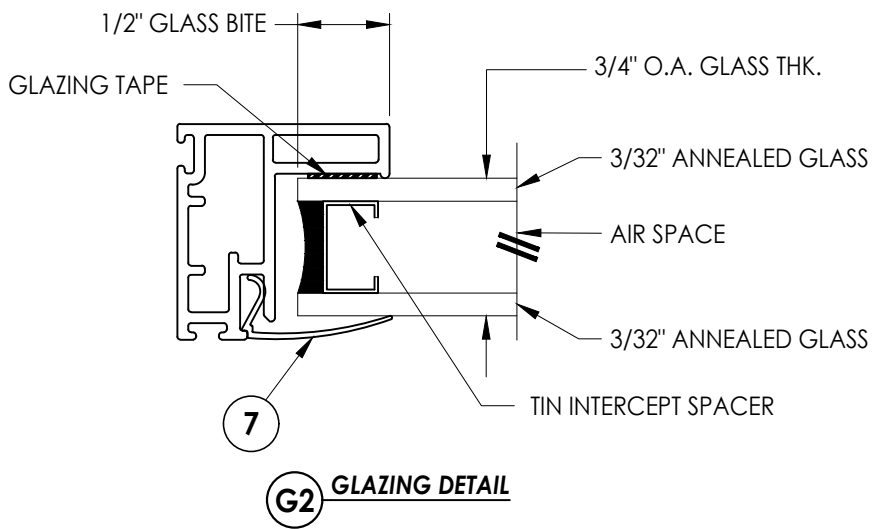
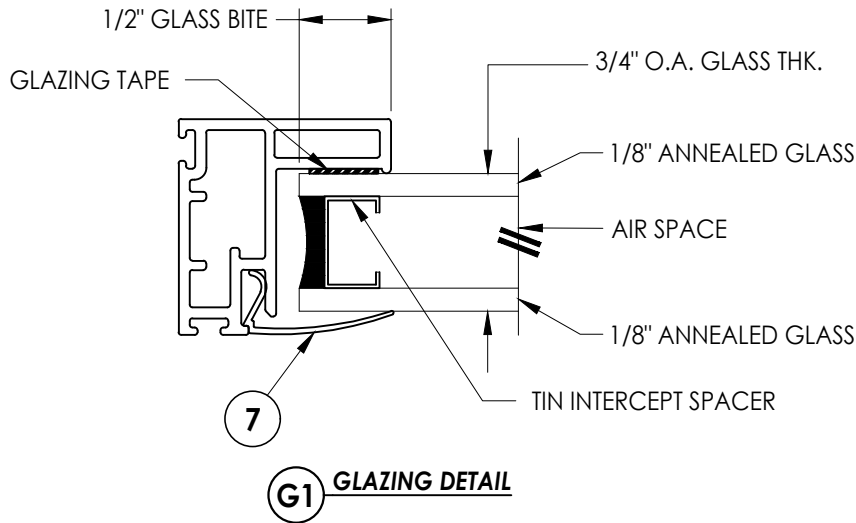
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8 X 2" PPH SMS (1-3/4" MIN. EMBEDMENT)	STEEL
H	#8 X 2-1/2" PPH SMS (1-3/4" MIN. EMBEDMENT)	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
1	EXTRUDED VINYL FRAME HEAD*	RIGID PVC
2	EXTRUDED VINYL SASH STILE/RAIL*	RIGID PVC
3	EXTRUDED VINYL FRAME JAMB*	RIGID PVC
4	EXTRUDED VINYL LOCK RAIL*	RIGID PVC
5	EXTRUDED VINYL MEETING STILE*	RIGID PVC
6	EXTRUDED VINYL SILL*	RIGID PVC
7	EXTRUDED VINYL GLAZING BEAD*	RIGID PVC
8	WEATHERSTRIP (FIN PILE)	-
14	SASH / STILE & RAIL REINFORCEMENT (S-047)(6063-T5)	ALUM
15	MEETING RAIL REINFORCEMENT (S-065)(6063-T5)	ALUM
20	CAM LOCK	-

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



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FBPE Registry No. 9813

PRODUCT: SINGLE HUNG WINDOW

PART OR ASSEMBLY:
BILL OF MATERIALS, GLAZING
DETAILS & COMPONENTS

REVISIONS	
NO.	DATE
1	7/03/26
UPDATE TO 9TH ED. (2026) FBC	
LFS	BY

DATE: 9/20/23
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SHEET 6 OF 6