

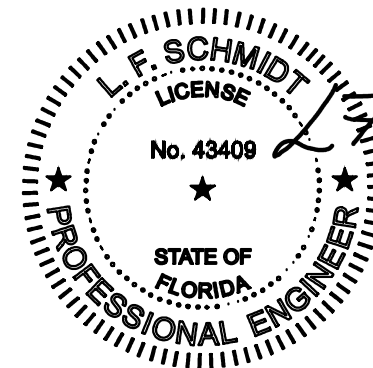
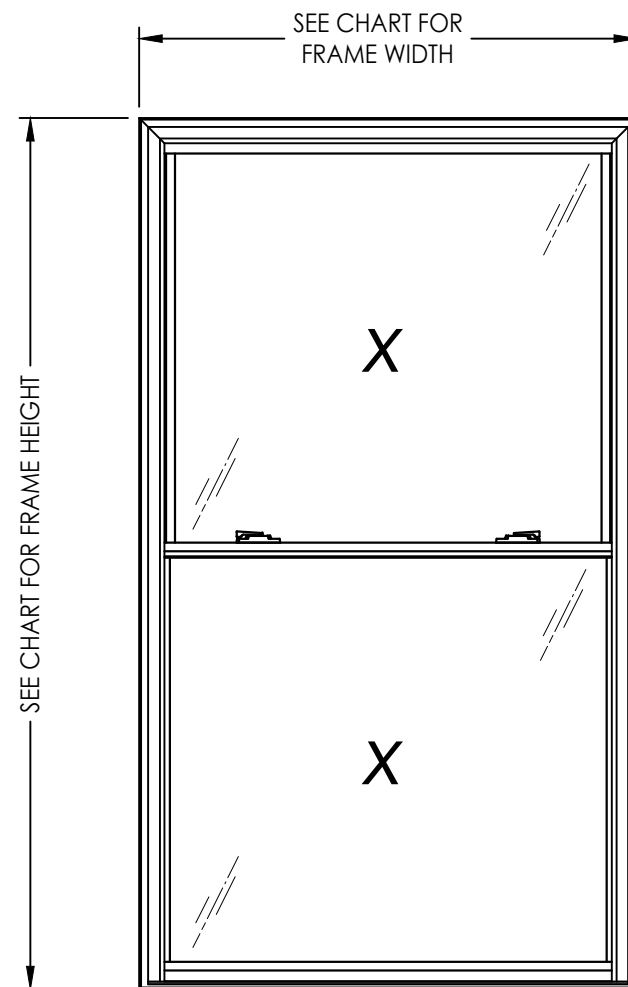
MODEL 3001/3B01/3A01/3AB1 "ST"
EXTRUDED VINYL
DOUBLE HUNG "Replacement" WINDOW
"NON-IMPACT"

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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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.

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SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Horizontal cross sections
3	Vertical cross sections
4	Buck and frame anchoring
5	Bill of materials, components and glazing detail



Digitally signed by Lyndon F Schmidt
Date: 2023.07.17 10:20:35 -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
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must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

OVERALL FRAME DIMENSION	MAX. D.L.O. (TOP)	MAX. D.L.O. (BOTTOM)	No. LOCKS	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
36.0" X 60.0"	29.12" X 25.63"	30.12" X 26.75"	2	G1	+55.0	-60.0
36.0" X 72.0"	29.12" X 31.63"	30.12" X 32.75"	2	G1	+50.0	-55.0
36.0" x 78.0"	29.12" X 34.63"	30.12" X 35.75"	2	G1	+40.0	-40.0
44.0" x 72.0"	37.12" X 31.63"	38.12" X 32.75"	2	G1	+40.0	-40.0
48.0" x 72.0"	41.12" X 31.63"	42.12" X 32.75"	2	G1	+35.0	-35.0
44.0" x 75.0"	37.12" X 33.13"	38.12" X 34.25"	1	G1	+25.0	-25.0
44.0" x 75.0"	37.12" X 33.13"	38.12" X 34.25"	2	G1	+30.0	-30.0
52.0" x 62.0"	45.12" X 26.63"	46.12" X 27.75"	2	G1	+35.0	-35.0
48.0" x 84.0"	41.12" X 37.63"	42.12" X 38.75"	2	G1	+25.0	-25.0
44.0" x 96.0"	37.12" X 43.63"	38.12" X 44.75"	2	G1	+25.0	-25.0
52.0" x 96.0"	45.12" X 43.63"	46.12" X 44.75"	2	G1	+15.0	-15.0

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS
11	7/17/23	UPDATE TO 8TH ED. (2023) FBC
10	7/21/22	REVISED FOR NEW TESTING
9	6/15/21	REVISED FOR NEW TESTING
8	11/13/19	REVISED DRAWING (NEW TESTING)

DATE: 11/12/13

SCALE: N.T.S.

DWG. BY: JK

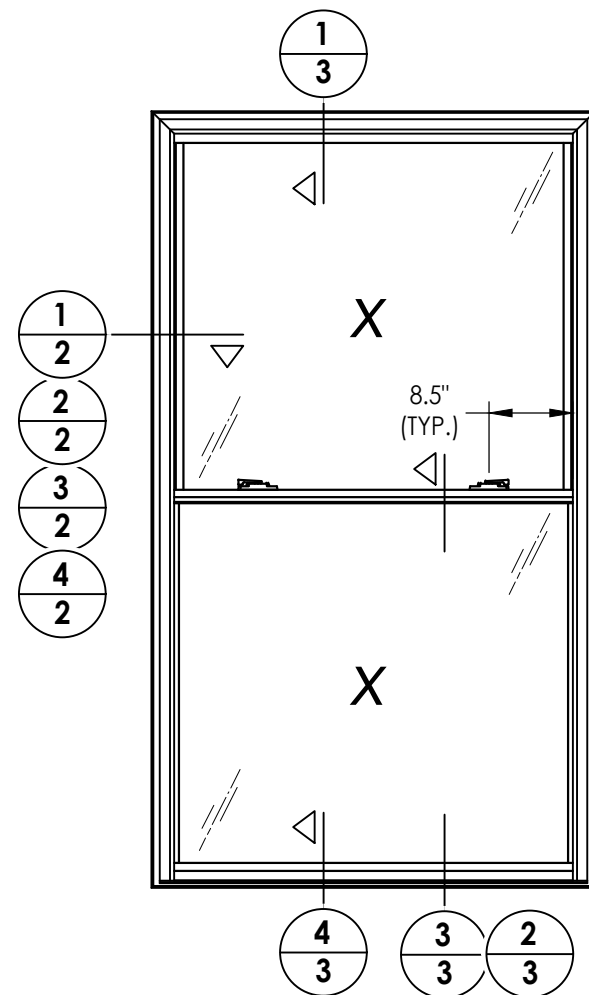
CHK. BY: LFS

DRAWING NO.:

FL-11720.9

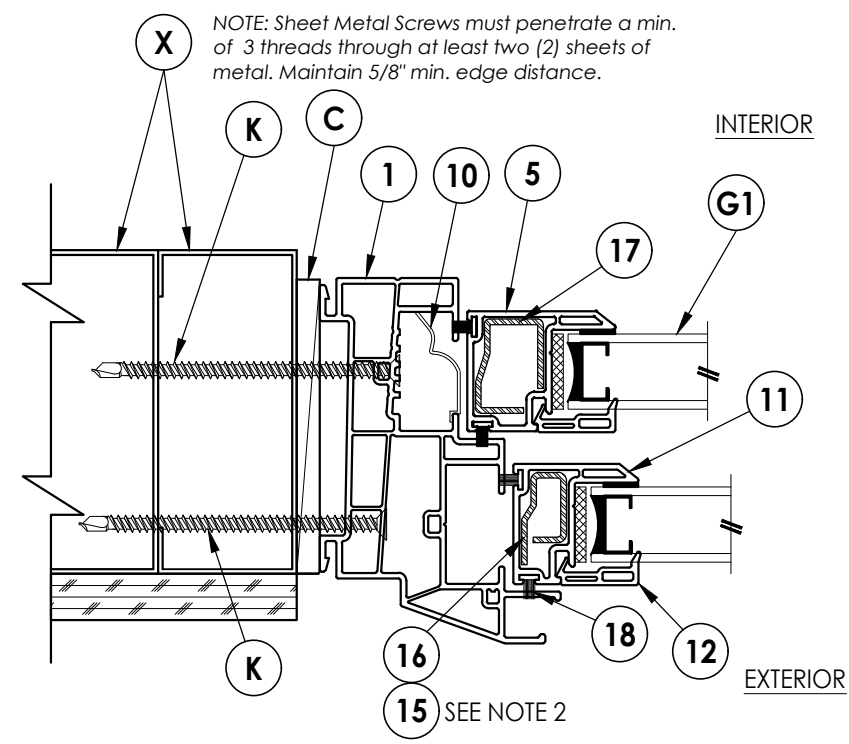
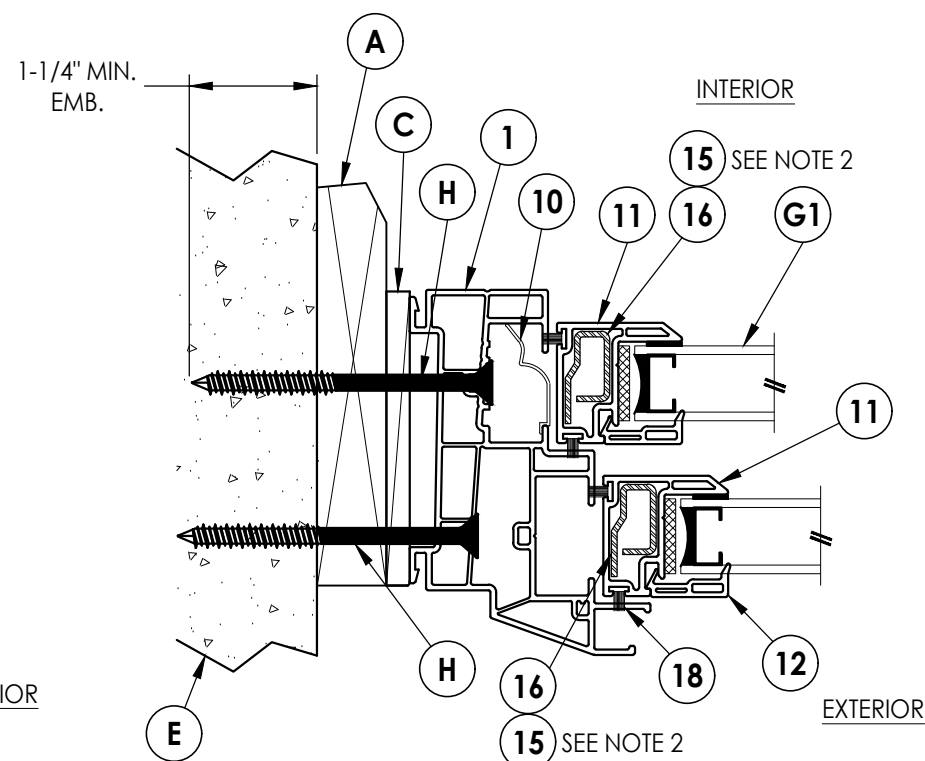
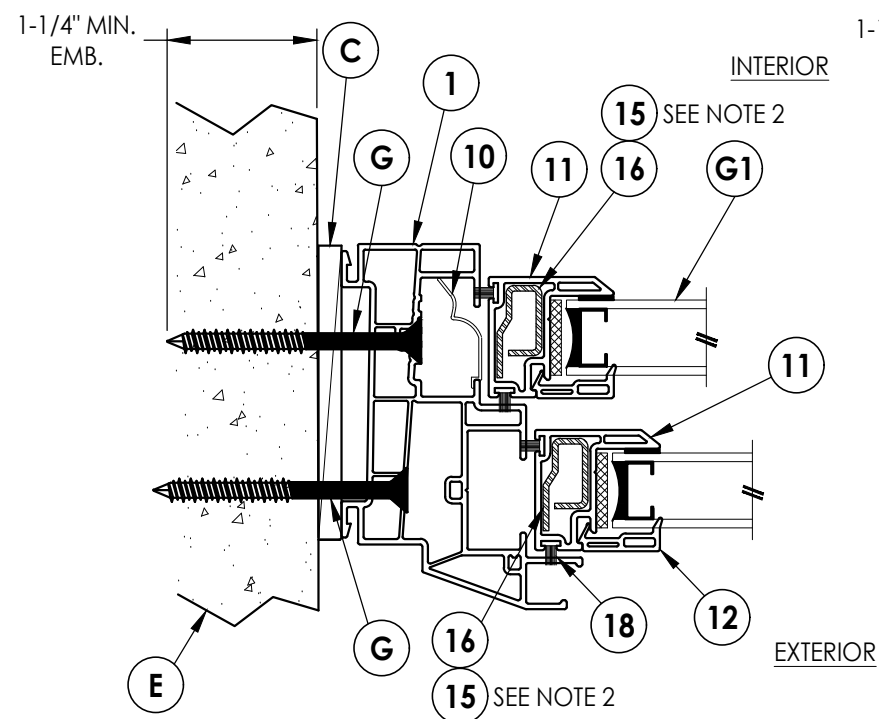
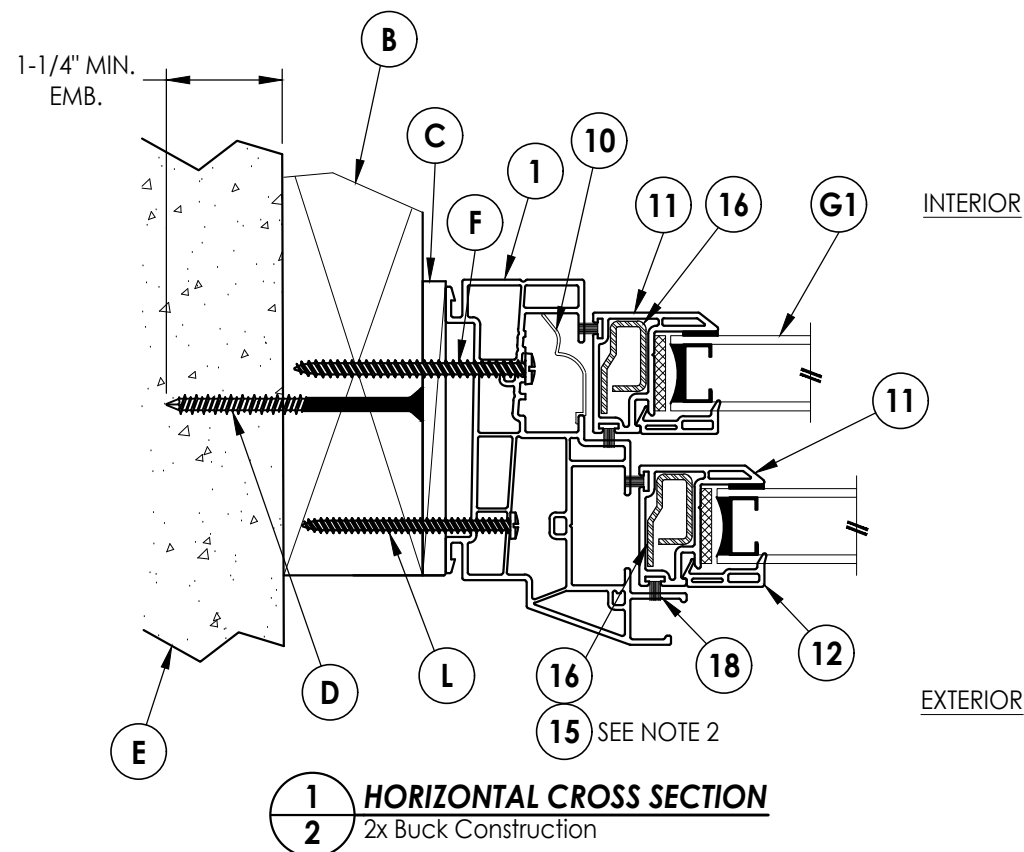
SHEET 1 OF 5

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FBPE Registry No. 9813



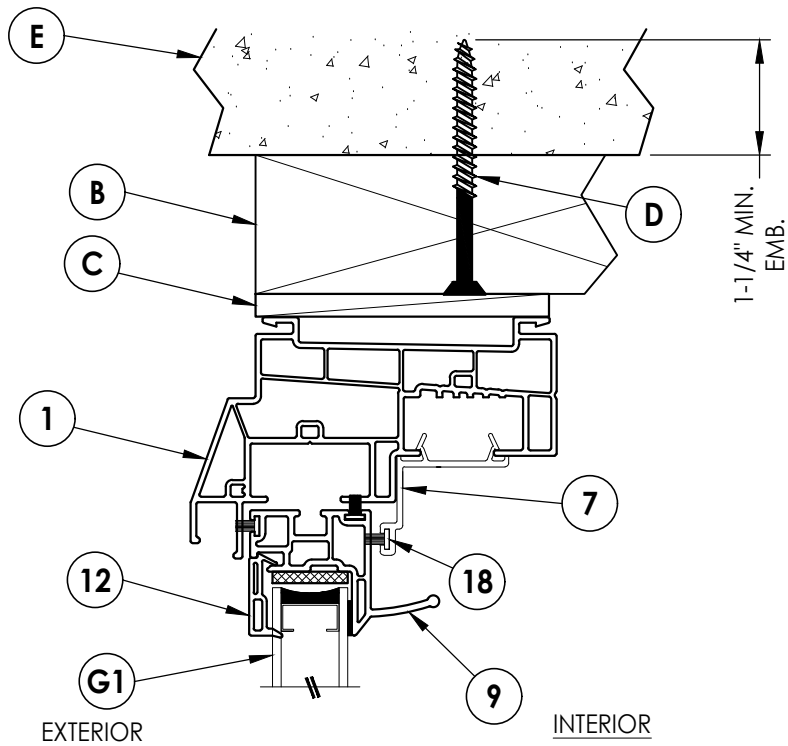
NOTES:

1. Anchors located above the meeting rail are in the interior track and anchors located below the meeting rail are in the exterior track.
2. Reinforcement (Item #15) is required for design pressures > 40 psf.

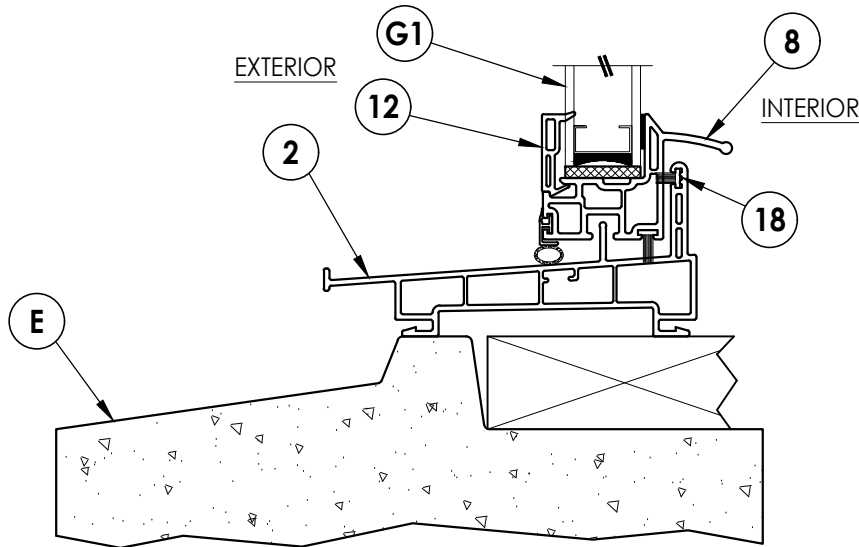


DATE: 11/12/13		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		DOUBLE HUNG WINDOW		Lyndon F. Schmidt	
DWG. BY: JK				P.E. No. 43409	
CHK. BY: LFS		PART OR ASSEMBLY:		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DRAWING NO.: FL-11720.9		HORIZONTAL CROSS SECTIONS			
NO. DATE					
REVISIONS					
SHEET 2 OF 5					

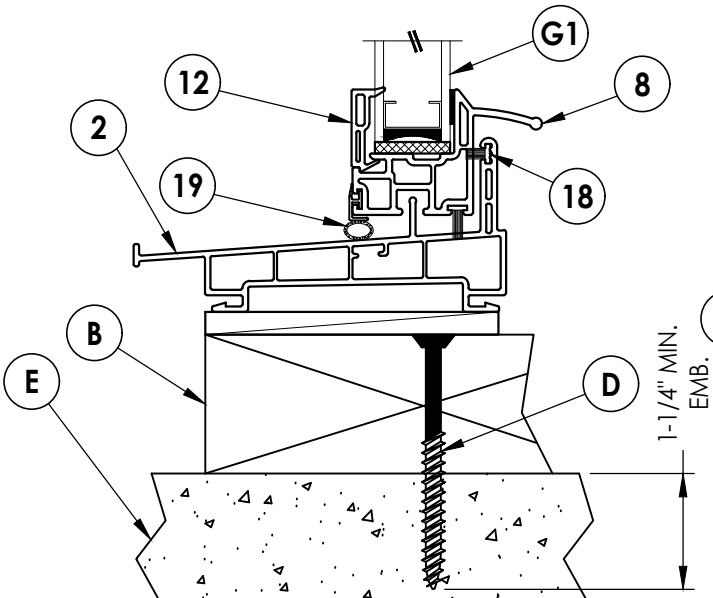
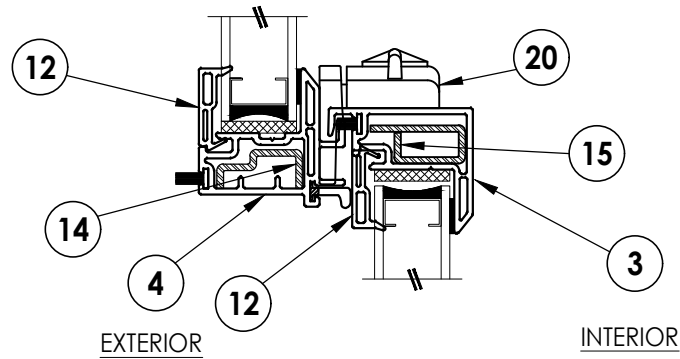
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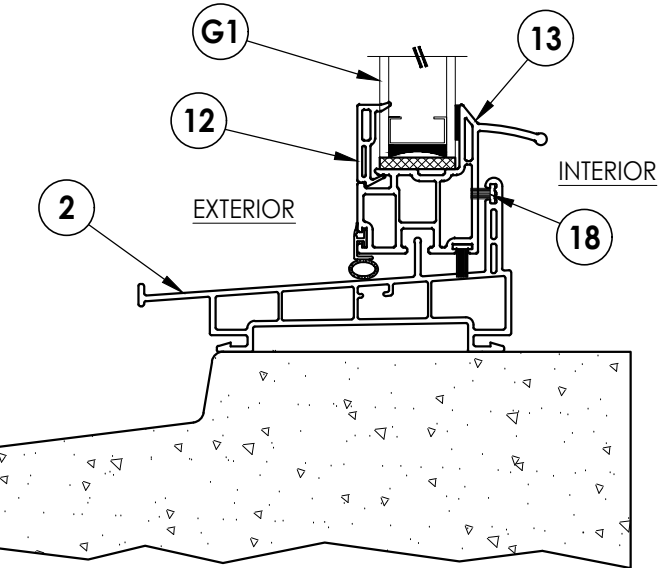
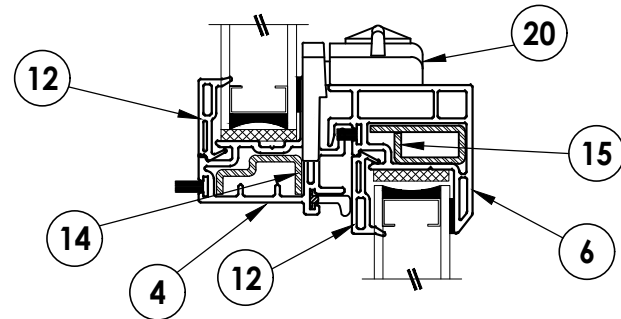
1 **VERTICAL CROSS SECTION**
3 2x Buck Construction



4 **VERTICAL CROSS SECTION**
3 Optional masonry sill
Shown w/ MED Bottom Sash Rails



2 **VERTICAL CROSS SECTION**
3 2x Buck Construction



3 **VERTICAL CROSS SECTION**
3 Optional masonry sill
Shown w/ MED Bottom Sash Rails

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT: DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
11	7/17/23	UPDATE TO 8TH ED. (2023) FBC
10	7/21/22	REVISED FOR NEW TESTING
9	6/15/21	REVISED FOR NEW TESTING
8	8/18/20	UPDATE TO 7TH ED. (2020) FBC
7		
6		
5		
4		
3		
2		
1		

DATE: 11/12/13

SCALE: N.T.S.

DWG. BY: JK

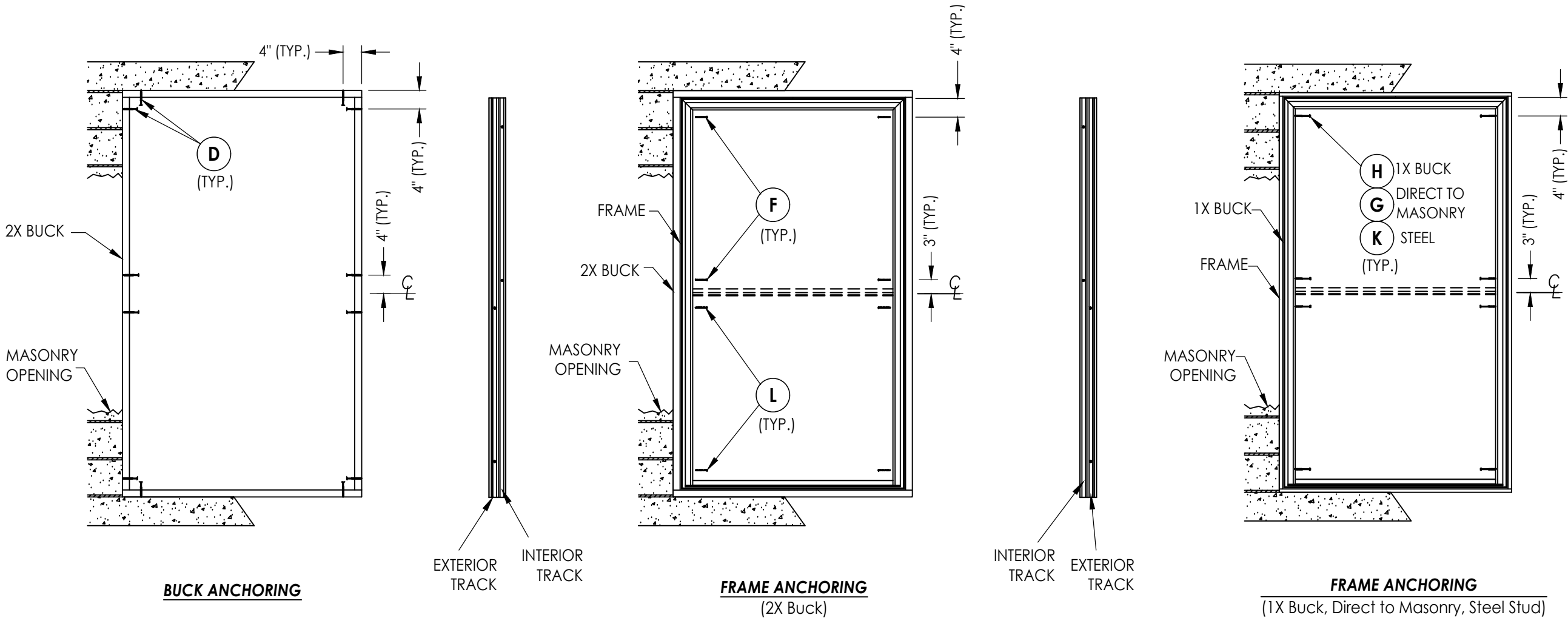
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DRAWING NO.:

FL-11720.9

SHEET 3 OF 5

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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.

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

REVISIONS

NO.	DATE	BY
11	7/17/23	UPDATE TO 8TH ED. (2023) FBC
10	7/21/22	REVISED FOR NEW TESTING
9	6/15/21	REVISED FOR NEW TESTING
8	8/18/20	UPDATE TO 7TH ED. (2020) FBC

DATE: 11/12/13

SCALE: N.T.S.

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SHEET 4 OF 5

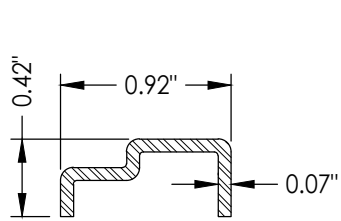
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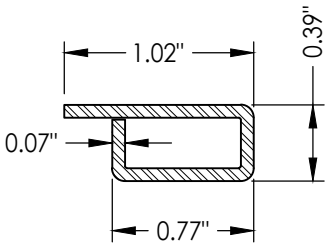
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" PPH WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
G	1/4" x 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
H	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#10 PFH SELF-DRILLING SMS	STEEL
L	#10 X 2-1/4" PPH WOOD SCREW (1-5/16" MIN. EMBEDMENT)	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
1	EXTRUDED VINYL HEAD AND JAMB *	RIGID PVC
2	EXTRUDED VINYL SILL *	RIGID PVC
3	EXTRUDED VINYL LOCK RAIL *	RIGID PVC
4	EXTRUDED VINYL MEETING RAIL *	RIGID PVC
5	EXTRUDED VINYL SASH STILE (MED) *	RIGID PVC
6	EXTRUDED VINYL LOCK RAIL (MED) *	RIGID PVC
7	EXTRUDED VINYL HEAD INSERT *	RIGID PVC
8	EXTRUDED VINYL BOTTOM LIFT RAIL *	RIGID PVC
9	EXTRUDED VINYL TOP PULL RAIL *	RIGID PVC
10	BALANCE COVER	-
11	EXTRUDED VINYL SASH STILE*	RIGID PVC
12	GLAZING BEAD*	RIGID PVC
13	EXTRUDED VINYL BOTTOM LIFT RAIL (MED) *	RIGID PVC
14	REINFORCEMENT - MEETING RAIL	STEEL
15	REINFORCEMENT - LOCK RAIL	STEEL
16	REINFORCEMENT - SM. STILE	STEEL
17	REINFORCEMENT - MED. STILE	STEEL
18	WEATHERSTRIP (FIN PILE)	-
19	WEATHERSTRIP (VINYL BULB)	VINYL
20	CAM LOCK	STEEL

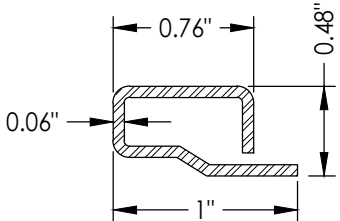
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



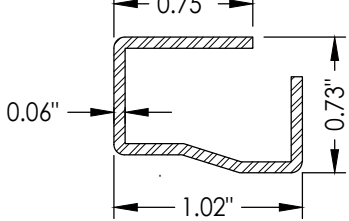
14 REINFORCEMENT
Meeting Rail



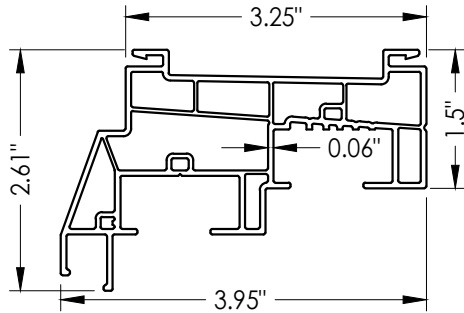
15 REINFORCEMENT
Lock Rail



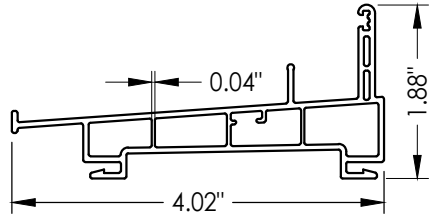
16 REINFORCEMENT
SM Stiles



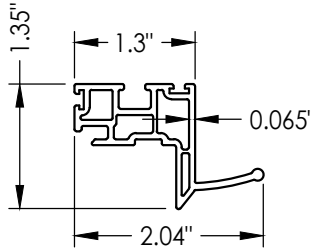
17 REINFORCEMENT
MED Stiles



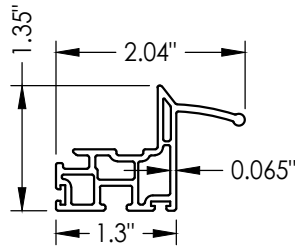
1 HEAD & JAMB



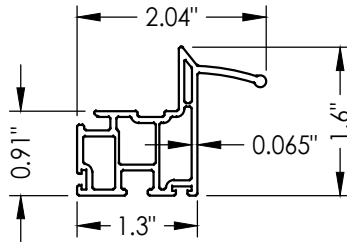
2 SILL



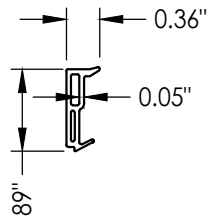
9 TOP PULL RAIL



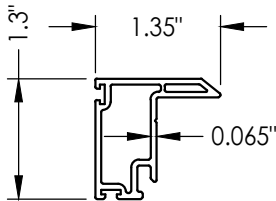
8 BOTTOM LIFT RAIL



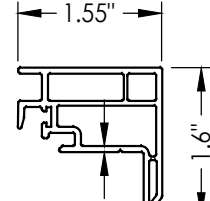
13 BOTTOM LIFT RAIL
MED



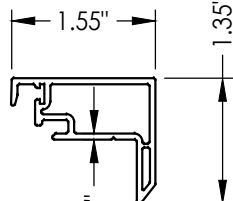
12 GLAZING BEAD



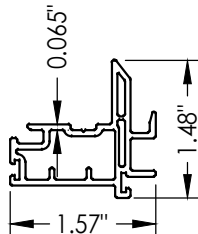
11 SASH STILE



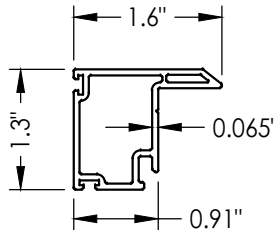
6 LOCK RAIL
MED



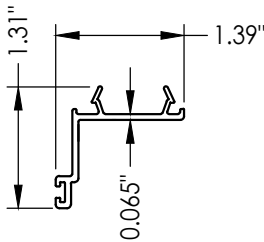
3 LOCK RAIL



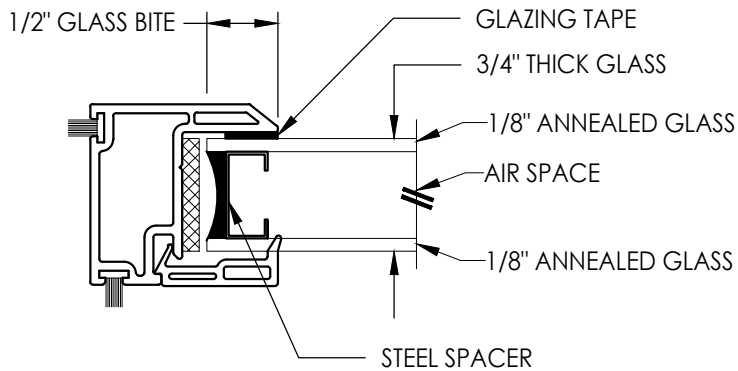
4 MEETING RAIL



5 SASH STILE
Bottom Sash
MED



7 HEAD INSERT



G1 GLAZING DETAIL

Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

PRODUCT: DOUBLE HUNG WINDOW
PART OR ASSEMBLY:
BILL OF MATERIALS, COMPONENTS
AND GLAZING DETAIL

NO.	DATE	REVISIONS
11	7/17/23	UPDATE TO 8TH ED. (2023) FBC
10	7/21/22	REVISED FOR NEW TESTING
9	6/15/21	REVISED FOR NEW TESTING
8	8/18/20	UPDATE TO 7TH ED. (2020) FBC

DATE: 11/12/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-11720.9

SHEET 5 OF 5