

BRANNEN MILLWORK

3379 EAST HWY. 46
REGISTER, GEORGIA 30452

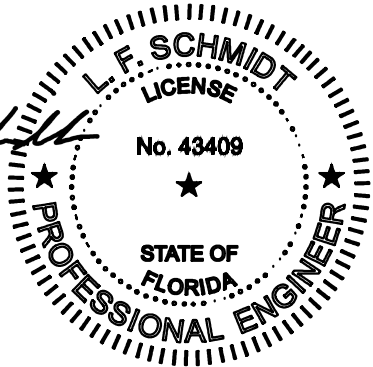
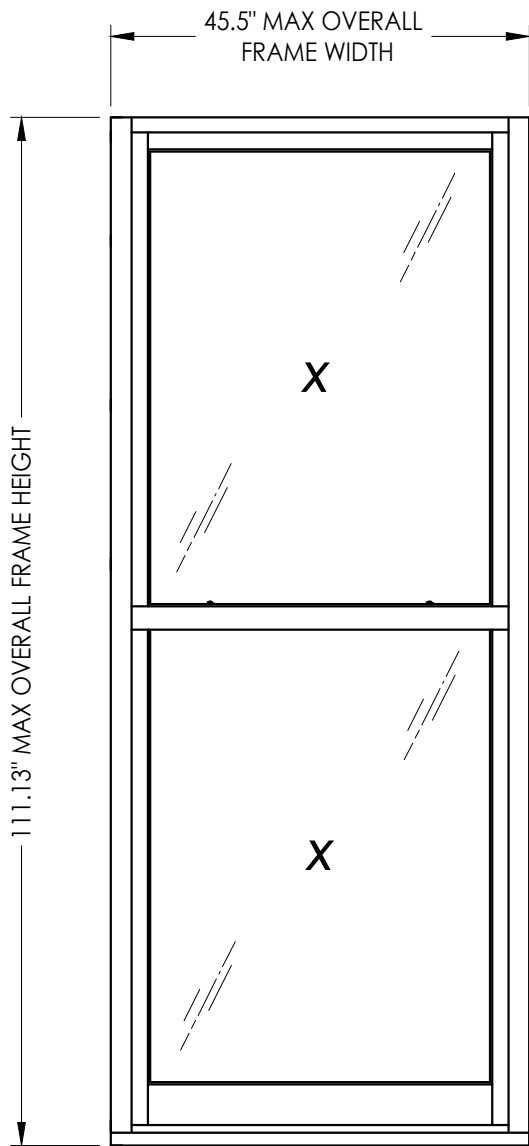
SERIES 580 DOUBLE HUNG WINDOW "IMPACT"

GENERAL NOTES

- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
- 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 includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction. 2X stud framing to be designed by the Engineer or Architect of Record based upon the applicable wind load design criteria.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- This product meets water infiltration requirements for "HVHZ".

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	Typical elevation, design pressures, & general notes
2	Horizontal cross sections - masonry construction
3	Vertical cross sections - masonry construction
4	Horizontal cross sections - stud construction
5	Vertical cross sections - stud construction
6	Buck & frame anchoring
7	Panel details
8	Bill of materials, glazing detail & components



Digitally signed by Lyndon F Schmidt
Date: 2023.10.11 09:40:50 -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

OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
45.5" x 111.13"	37.0" x 49.13"	G1	+65.0	-70.0
45.5" x 98.0"	37.0" x 42.31"	G2	+60.0	-65.0

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:

BRANNEN MILLWORKS
DOUBLE HUNG WINDOW

LFS LFS LFS LFS JK KV BY

6 5 4 3 2 1 NO. DATE

RW BUILDING CONSULTANTS, INC.

P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS

DATE: 10/2/08

SCALE: N.T.S.

DWG. BY: AL

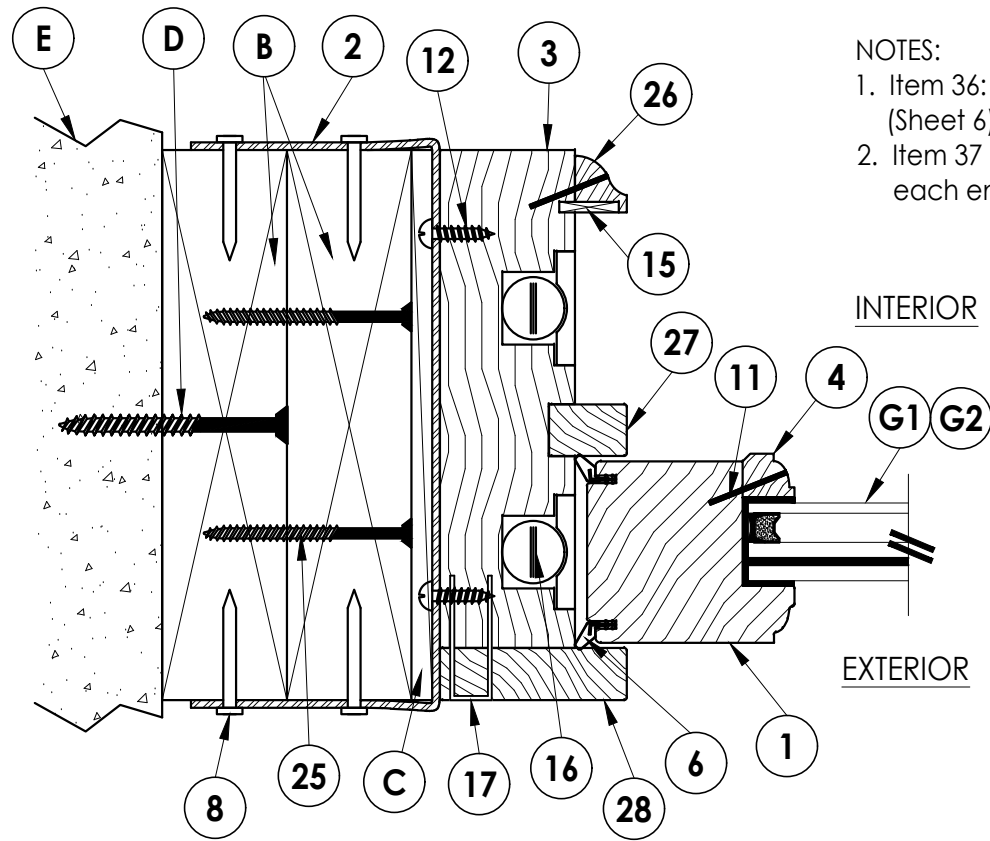
CHK. BY: LFS

DRAWING NO.:

FL-11474.4

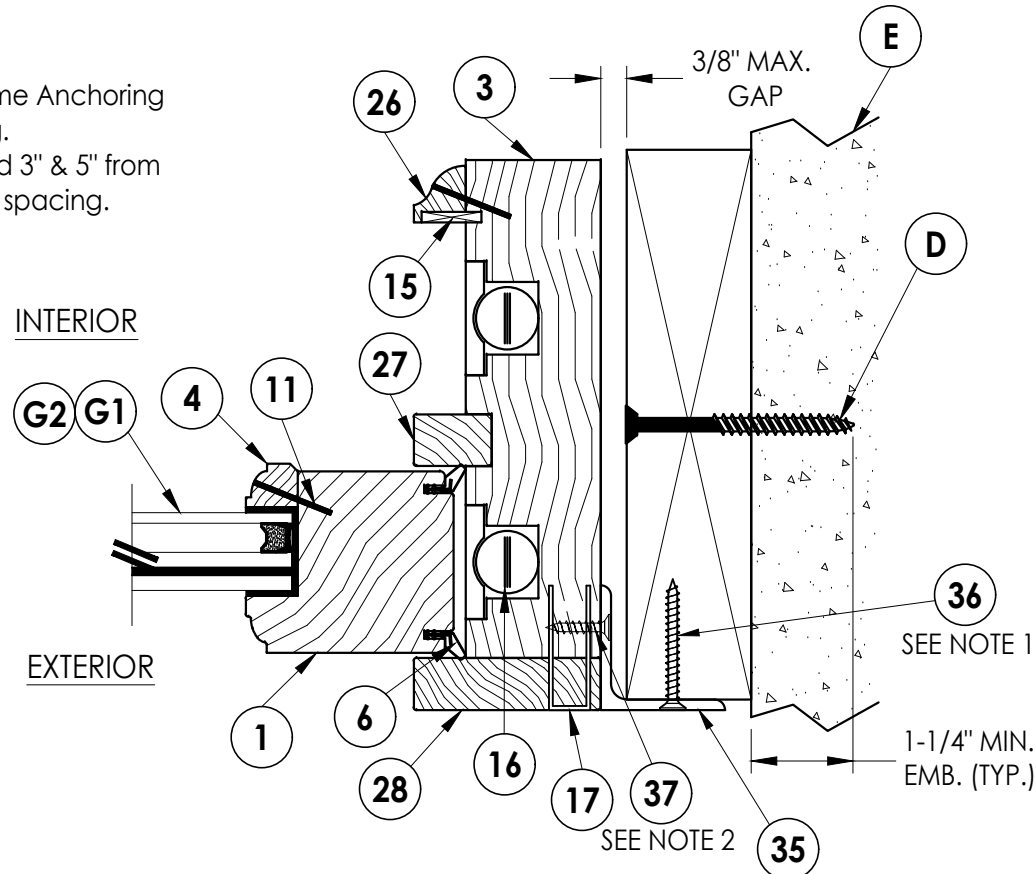
SHEET 1 OF 8

Z:\2023 FBC Drawings\Brannen Millwork\FL-11474 R7 Hung\FL-11474.1-6.dwg

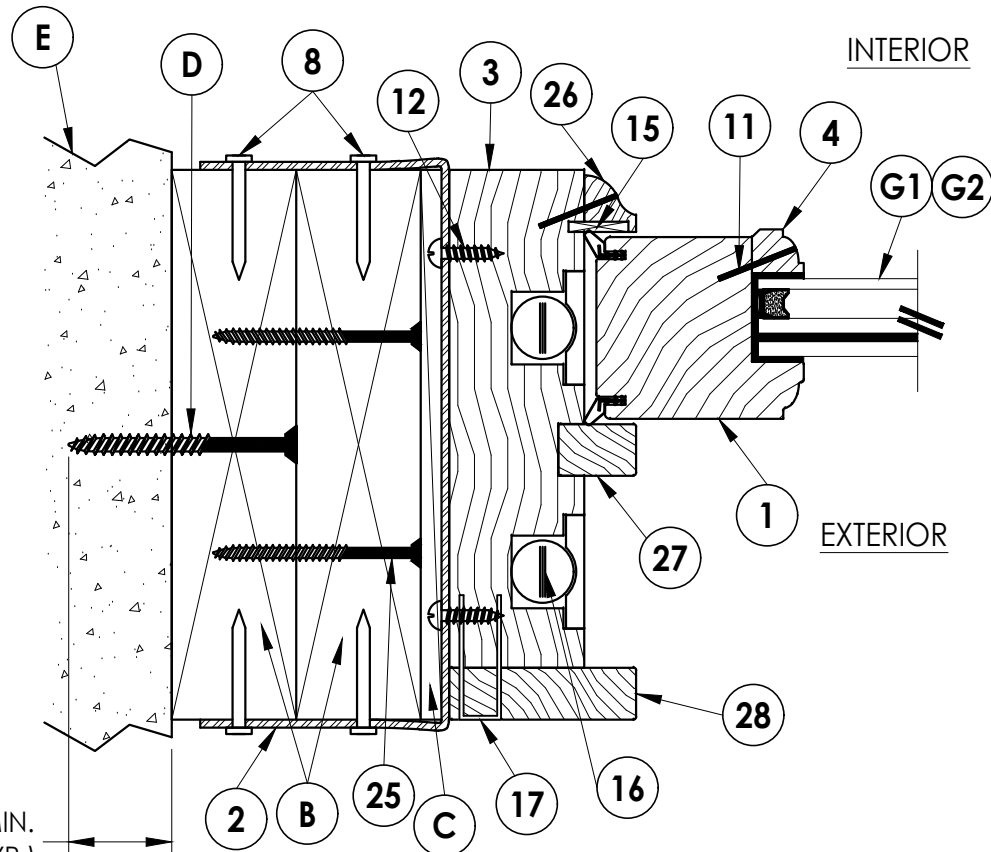


- NOTES:
- Item 36: See Alternate Frame Anchoring (Sheet 6) for screw spacing.
 - Item 37 (@ jambs): Located 3" & 5" from each end & 10" max. o.c. spacing.

1
2 HORIZONTAL CROSS SECTION

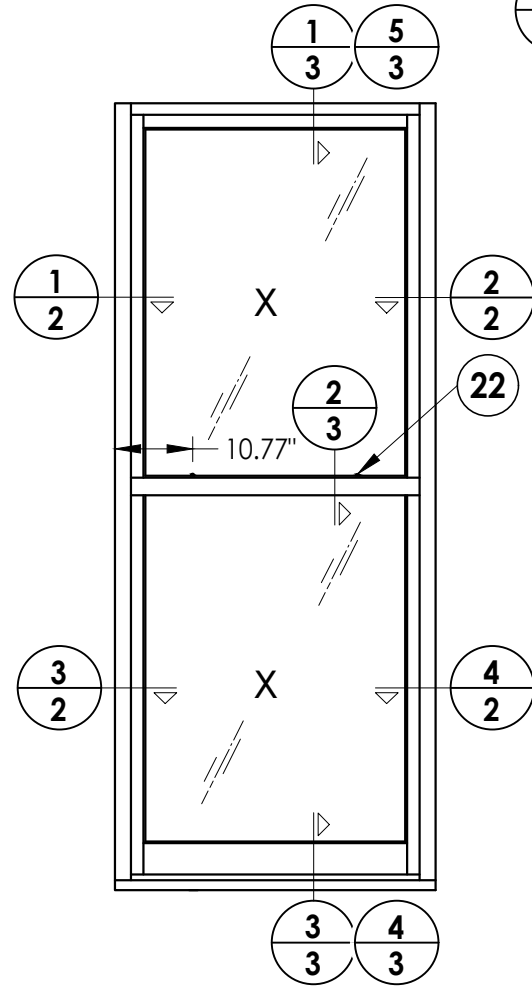


2
2 HORIZONTAL CROSS SECTION
Shown w/ Alternate Flange Anchor

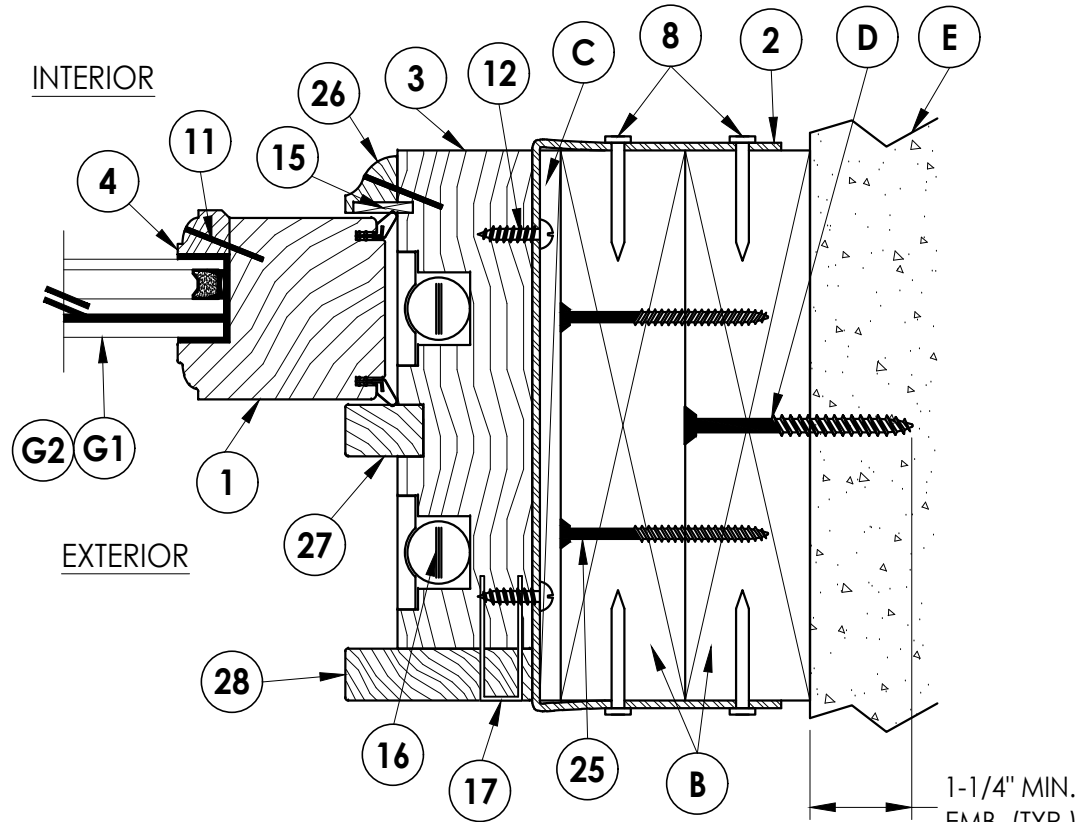


1-1/4" MIN.
EMB. (TYP.)

3
2 HORIZONTAL CROSS SECTION



4
2 HORIZONTAL CROSS SECTION



1-1/4" MIN.
EMB. (TYP.)

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

PRODUCT:
BRANNEN MILLWORKS
DOUBLE HUNG WINDOW

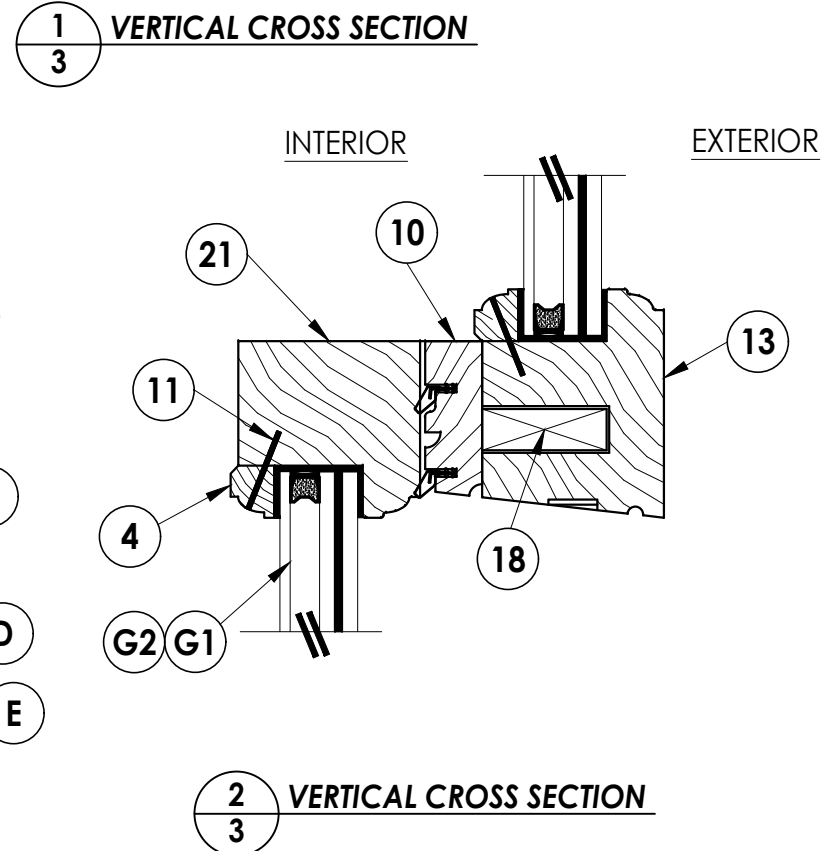
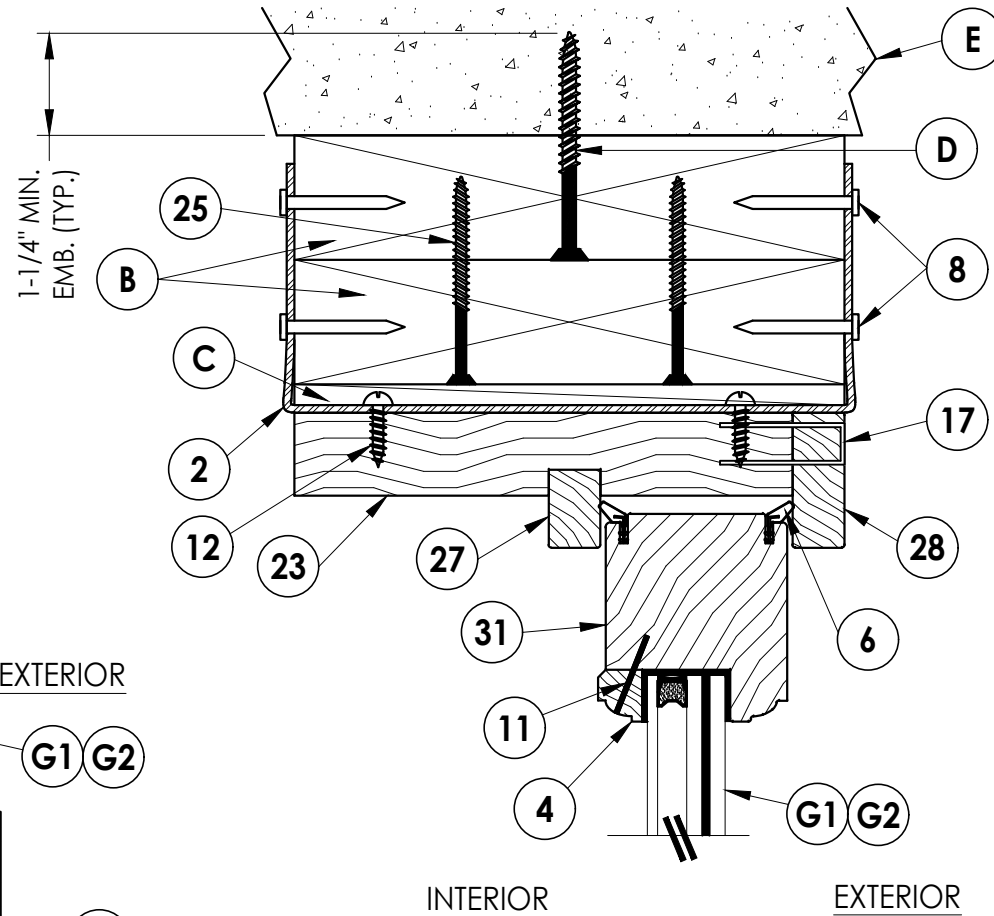
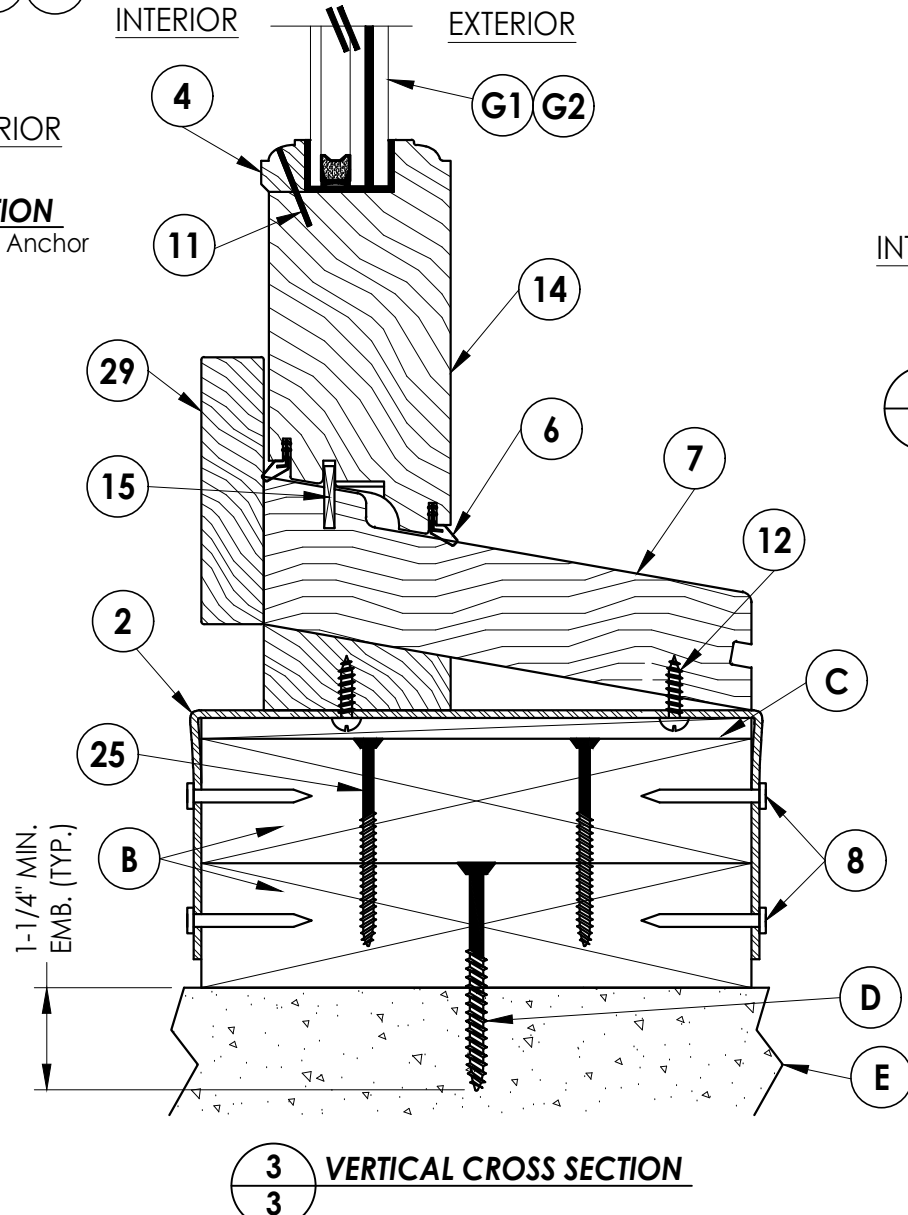
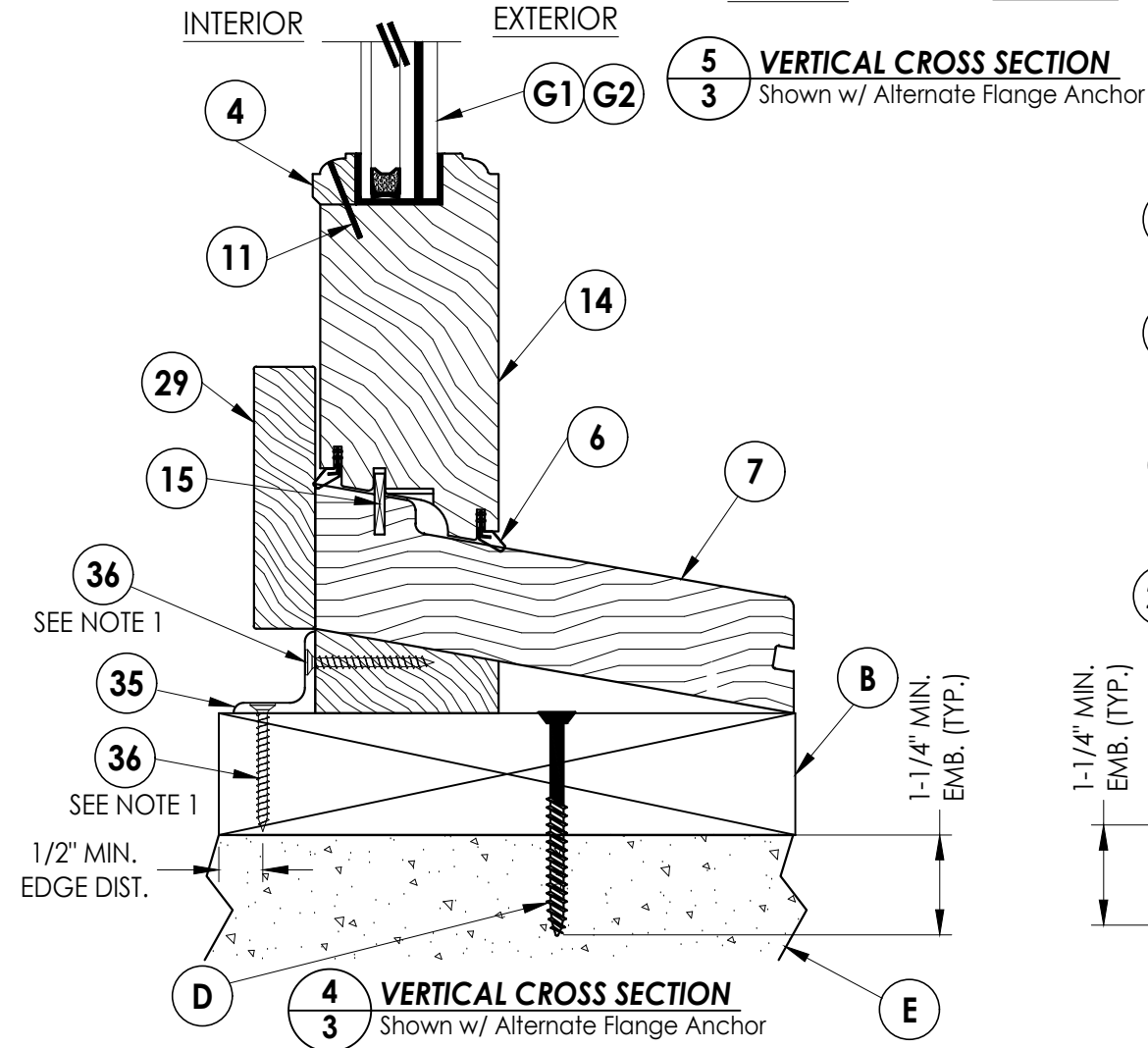
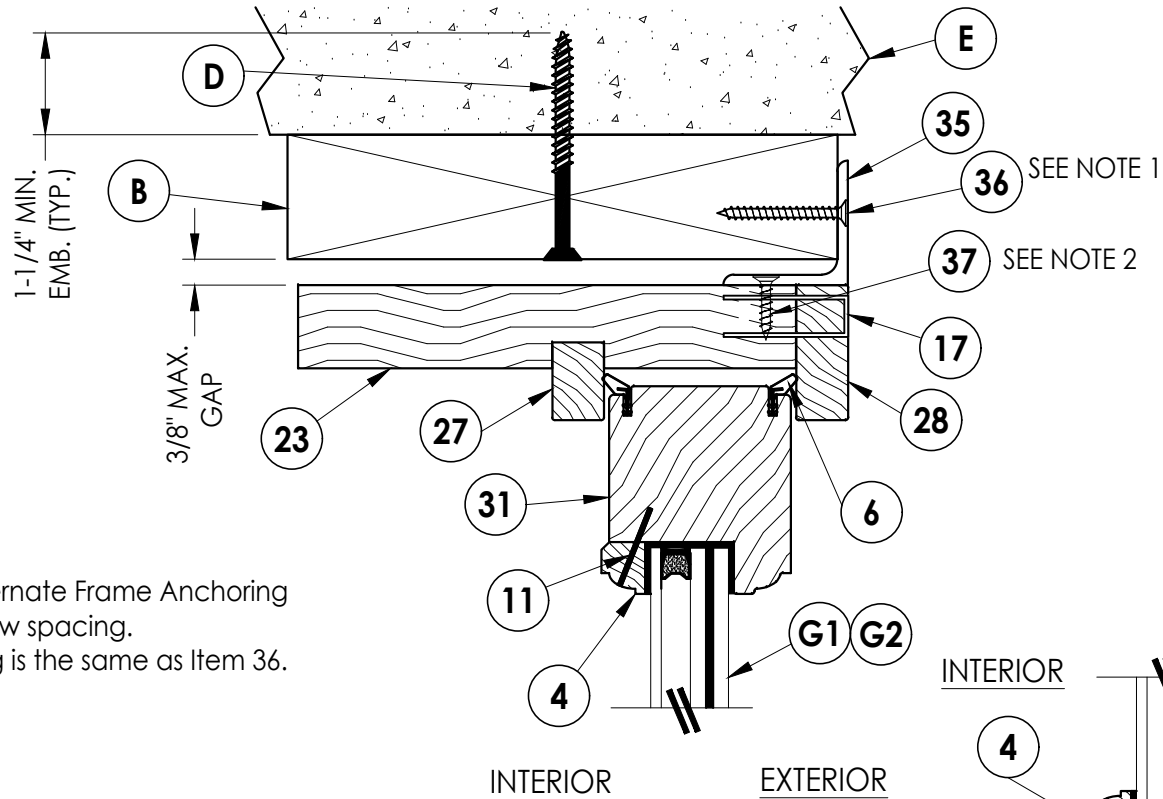
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS
MASONRY CONSTRUCTION

NO.	DATE	REVISIONS				
		BY	DATE	DESCRIPTION	REVISED	DATE
6	9/13/23	AL	10/2/08	DATE: 10/2/08		
5	9/16/20	AL	10/2/08	SCALE: N.T.S.		
4	7/10/17	AL	10/2/08	DWG. BY: AL		
3	02/15/16	LFS	10/2/08	CHK. BY: LFS		
2	08/03/15	JK	10/2/08	DRAWING NO.: FL-11474.4		
1	1/26/12	KV	10/2/08	SHEET 2 OF 8		

Z:\2023 FBC Drawings\Brannen Millwork\FL-11474 R7 Hung\FL-11474.1-6.dwg

- NOTES:
- Item 36: See Alternate Frame Anchoring (Sheet 6) for screw spacing.
 - Item 37: Spacing is the same as Item 36.



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:
BRANNEN MILLWORKS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS
MASONRY CONSTRUCTION

NO.	DATE	REVISIONS				
		LFS	FBC	FBC	FBC	BY
6	9/13/23	UPDATE TO 8TH ED. (2023)	FBC			
5	9/16/20	UPDATE TO 7TH ED. (2020)	FBC			
4	7/10/17	UPDATE TO 6TH ED. (2017)	FBC			
3	02/15/16	ADD ALTERNATE FLANGE ANCHORING				
2	08/03/15	UPDATE TO 5TH ED. (2014)	FBC			
1	1/26/12	UPDATE TO 2010 FBC				

DATE: 10/2/08

SCALE: N.T.S.

DWG. BY: AL

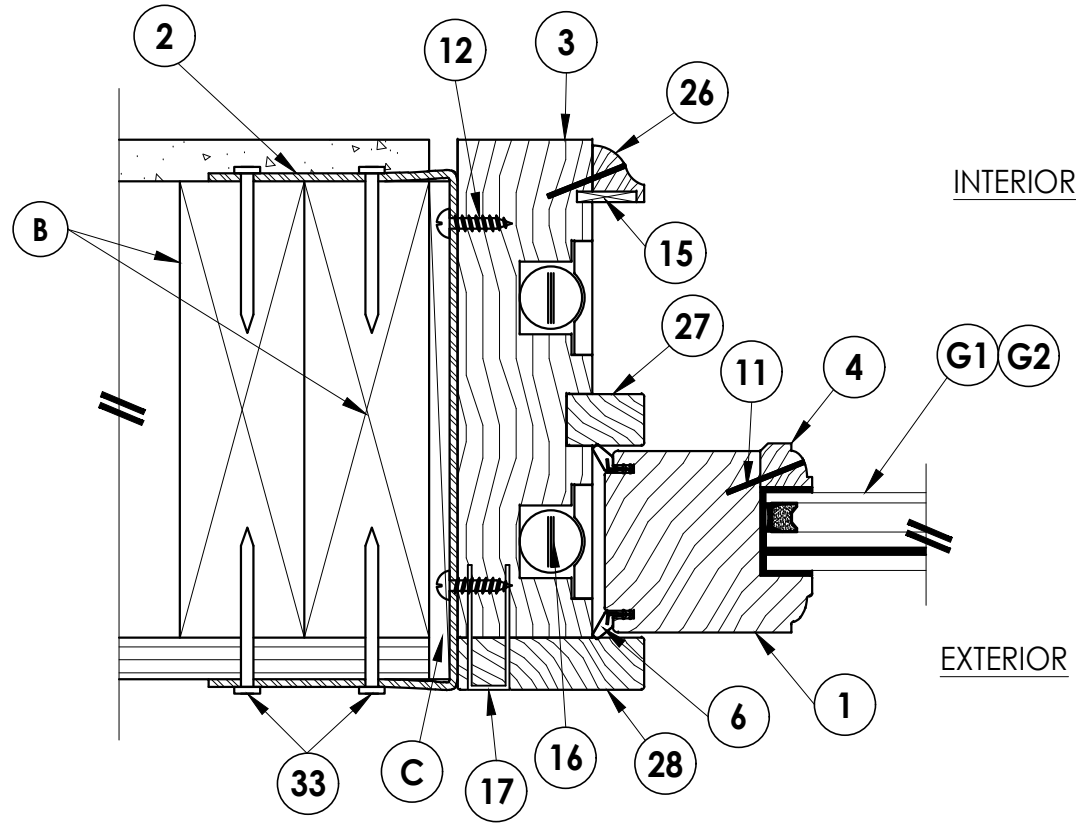
CHK. BY: LFS

DRAWING NO.:

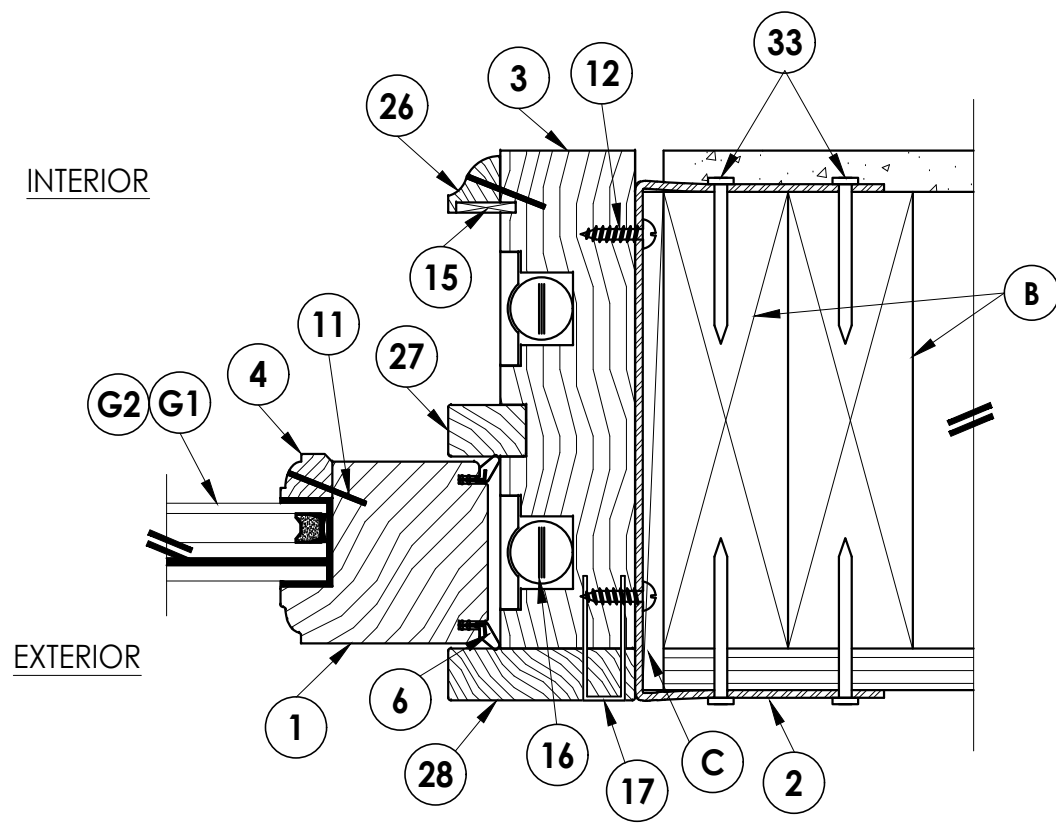
FL-11474.4

SHEET 3 OF 8

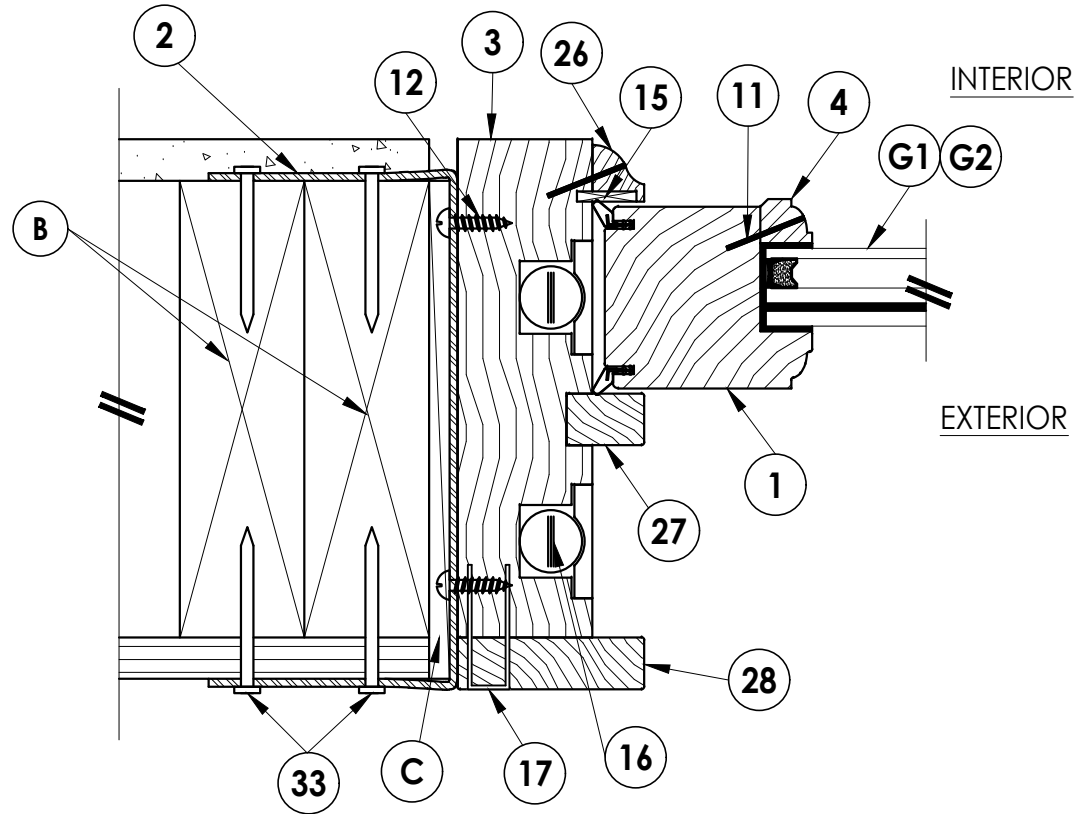
Z:\2023 FBC Drawings\Brannen Millwork\FL-11474 R7 Hung\FL-11474.1-6.dwg



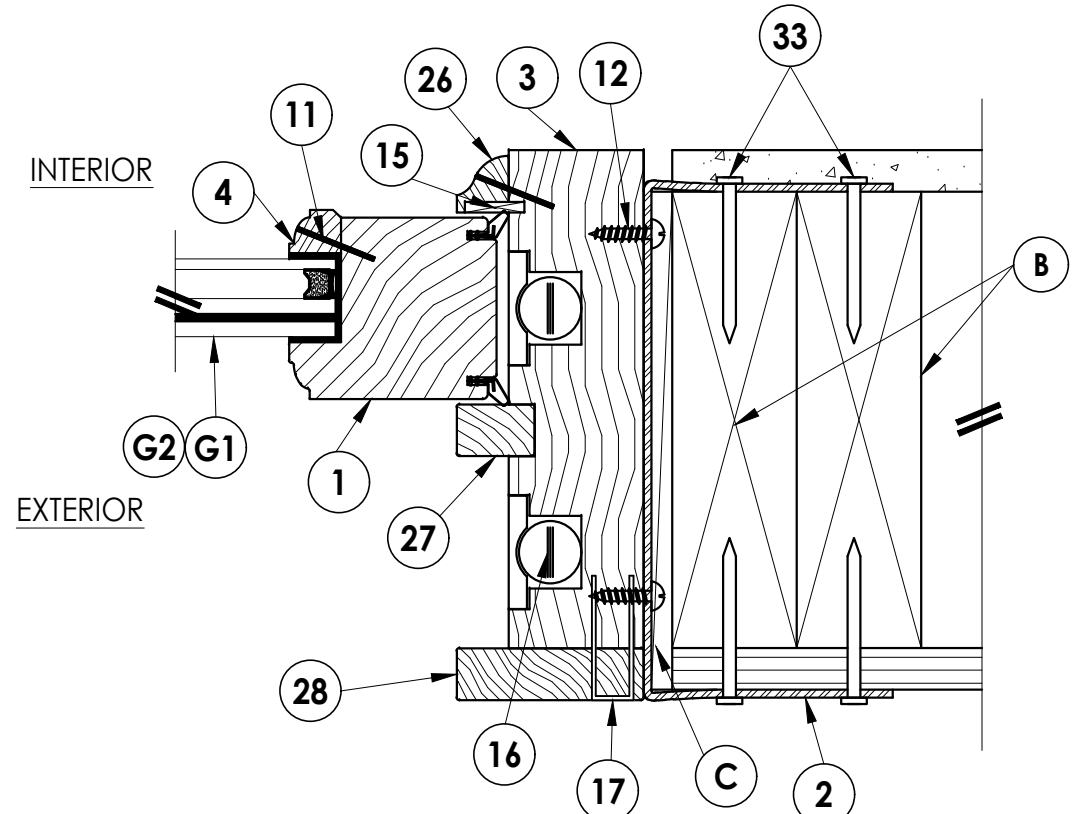
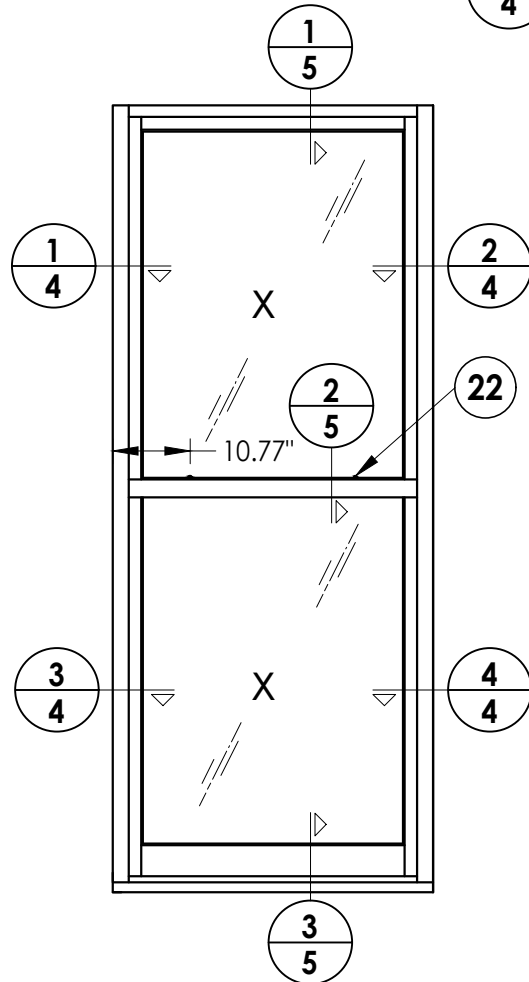
1/4 HORIZONTAL CROSS SECTION



2/4 HORIZONTAL CROSS SECTION



3/4 HORIZONTAL CROSS SECTION



4/4 HORIZONTAL CROSS SECTION

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:
BRANNEN MILLWORKS
DOUBLE HUNG WINDOW

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS
STUD CONSTRUCTION

NO.	DATE	REVISIONS
6	9/13/23	UPDATE TO 8TH ED. (2023) FBC
5	9/16/20	UPDATE TO 7TH ED. (2020) FBC
4	7/10/17	UPDATE TO 6TH ED. (2017) FBC
3	02/15/16	ADD ALTERNATE FLANGE ANCHORING
2	08/03/15	UPDATE TO 5TH ED. (2014) FBC
1	1/26/12	UPDATE TO 2010 FBC

DATE: 10/2/08

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

DRAWING NO.:

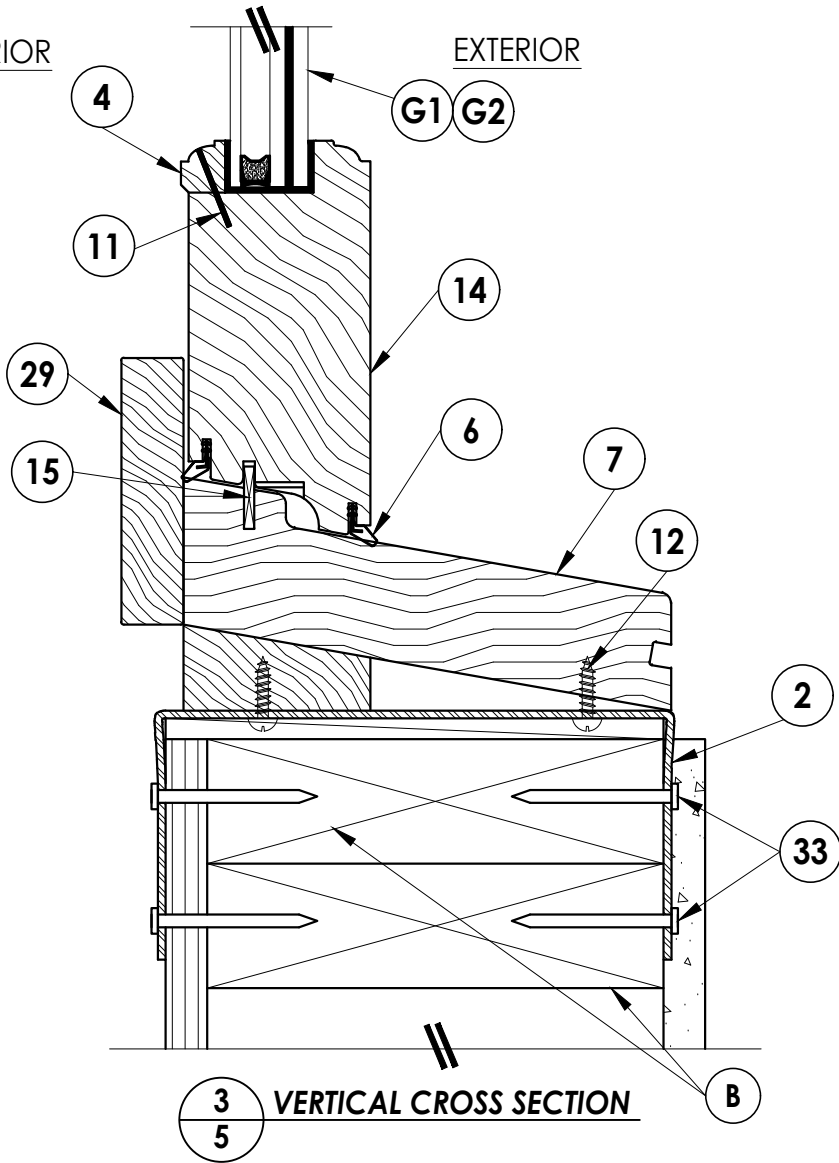
FL-11474.4

SHEET 4 OF 8

Z:\2023 FBC Drawings\Brannen Millwork\FL-11474 R7 Hung\FL-11474.1-6.dwg

INTERIOR

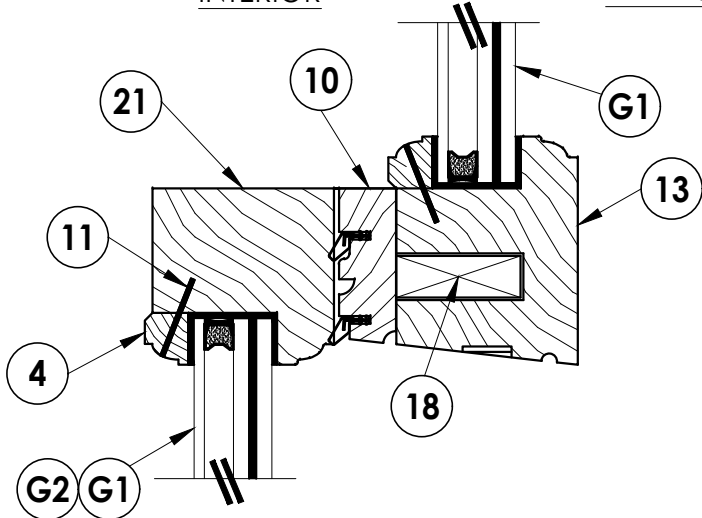
EXTERIOR



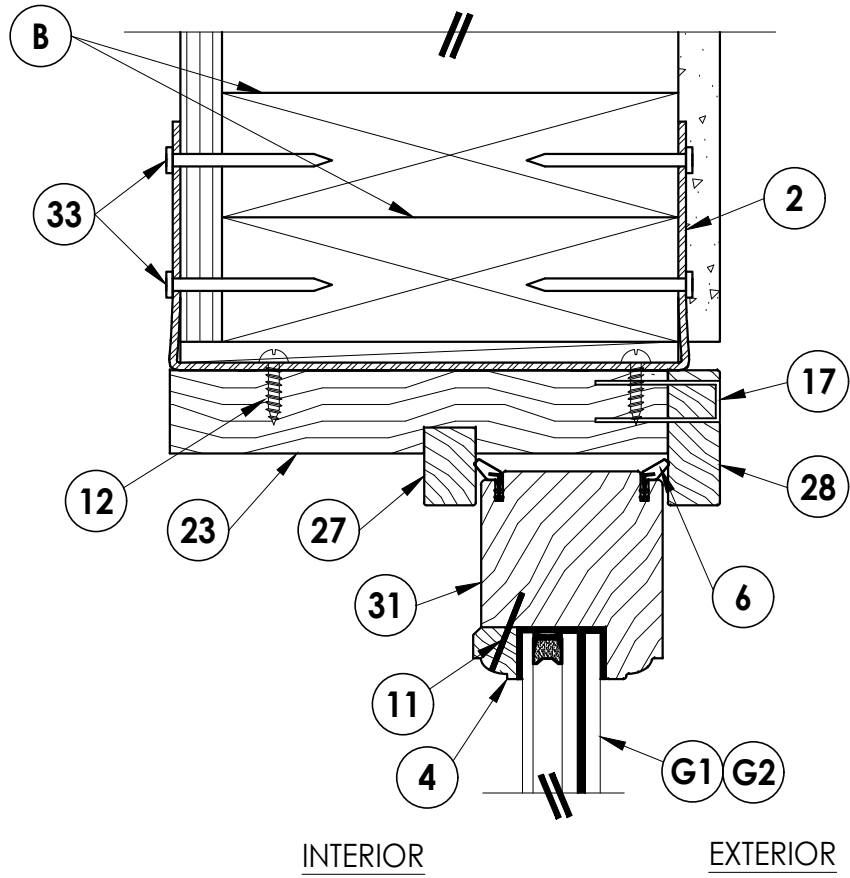
3
5 VERTICAL CROSS SECTION

INTERIOR

EXTERIOR



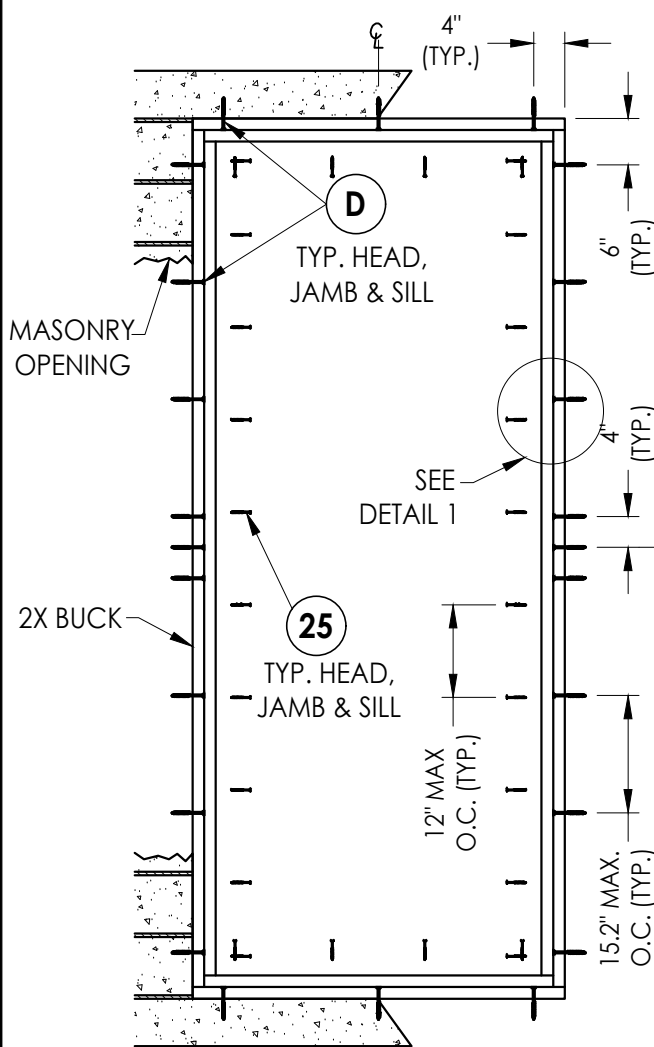
2
5 VERTICAL CROSS SECTION



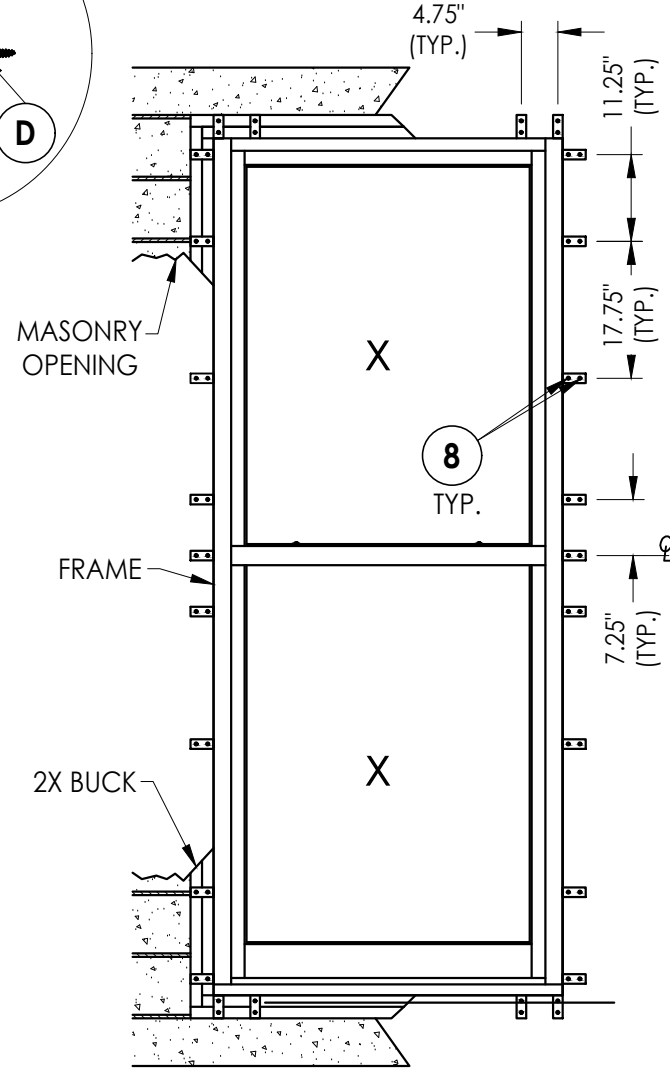
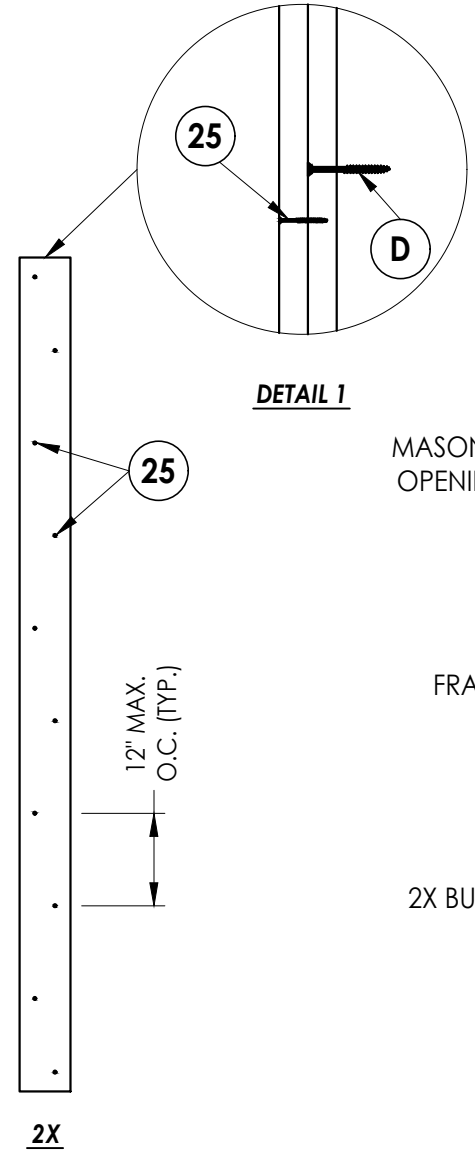
1
5 VERTICAL CROSS SECTION

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: BRANNEN MILLWORKS DOUBLE HUNG WINDOW		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS STUD CONSTRUCTION	
6	9/13/23	UPDATE TO 8TH ED. (2023)	FBC
5	9/16/20	UPDATE TO 7TH ED. (2020)	FBC
4	7/10/17	UPDATE TO 6TH ED. (2017)	FBC
3	02/15/16	ADD ALTERNATE FLANGE ANCHORING	LFS
2	08/03/15	UPDATE TO 5TH ED. (2014)	FBC
1	1/26/12	UPDATE TO 2010 FBC	KV
NO.	DATE	REVISIONS	
DATE: 10/2/08			
SCALE: N.T.S.			
DWG. BY: AL			
CHK. BY: LFS			
DRAWING NO.: FL-11474.4			
SHEET 5 OF 8			

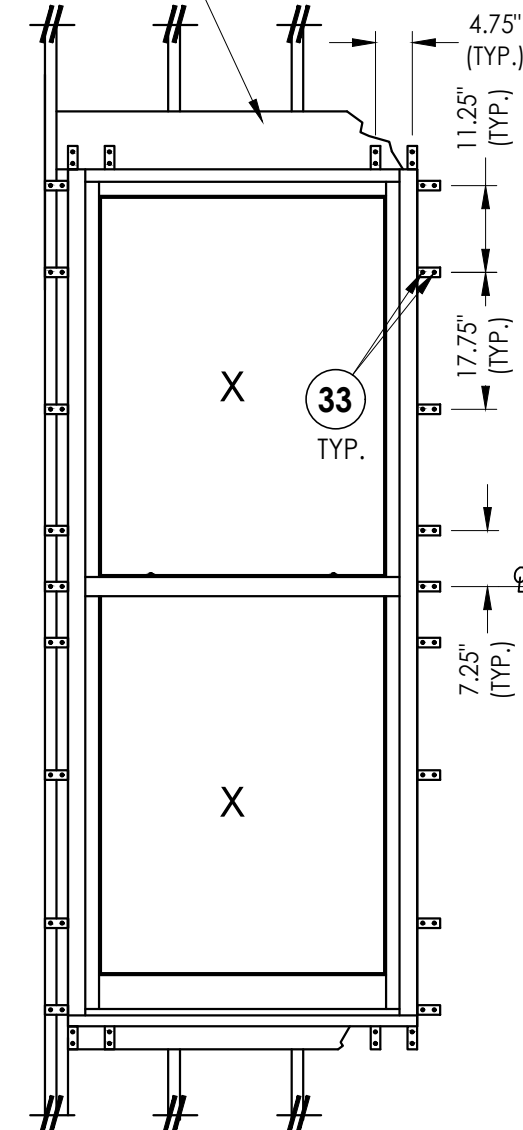
Z:\2023 FBC Drawings\Brannen Millwork\FL-11474 R7 Hung\FL-11474.1-6.dwg



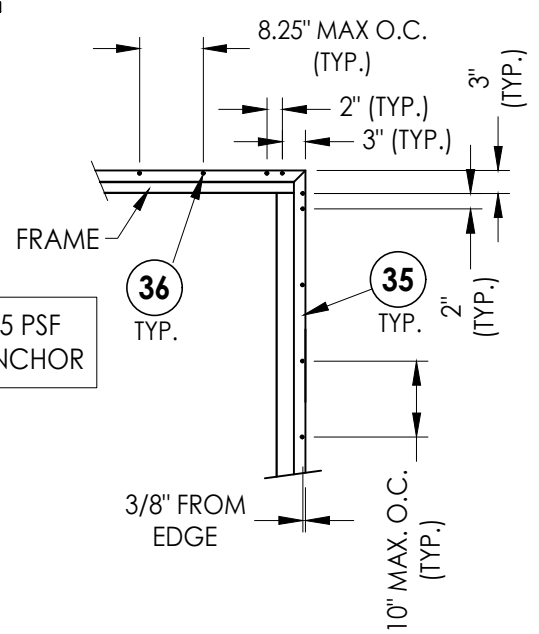
BUCK ANCHORING
Masonry construction



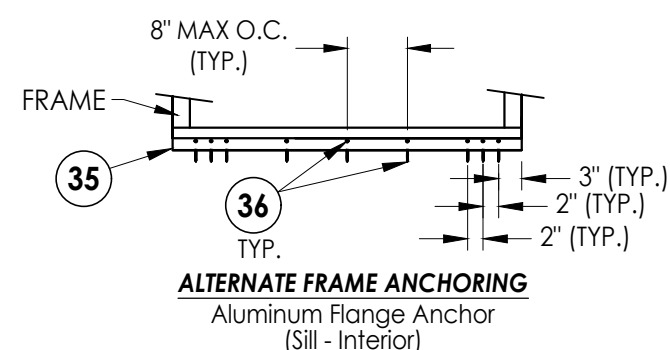
FRAME ANCHORING
Masonry construction



FRAME ANCHORING
2x stud construction



ALTERNATE FRAME ANCHORING
Aluminum Flange Anchor
(Head & Jambs - Exterior)



ALTERNATE FRAME ANCHORING
Aluminum Flange Anchor
(Sill - Interior)

NOTE: MAX. DESIGN PRESSURE = +60/-65 PSF
WHEN USING THE ALUMINIUM FLANGE ANCHOR

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"	3"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	4"

WOOD SCREW/NAIL INSTALLATION NOTES:

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

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

PRODUCT:
BRANNEN MILLWORKS
DOUBLE HUNG WINDOW

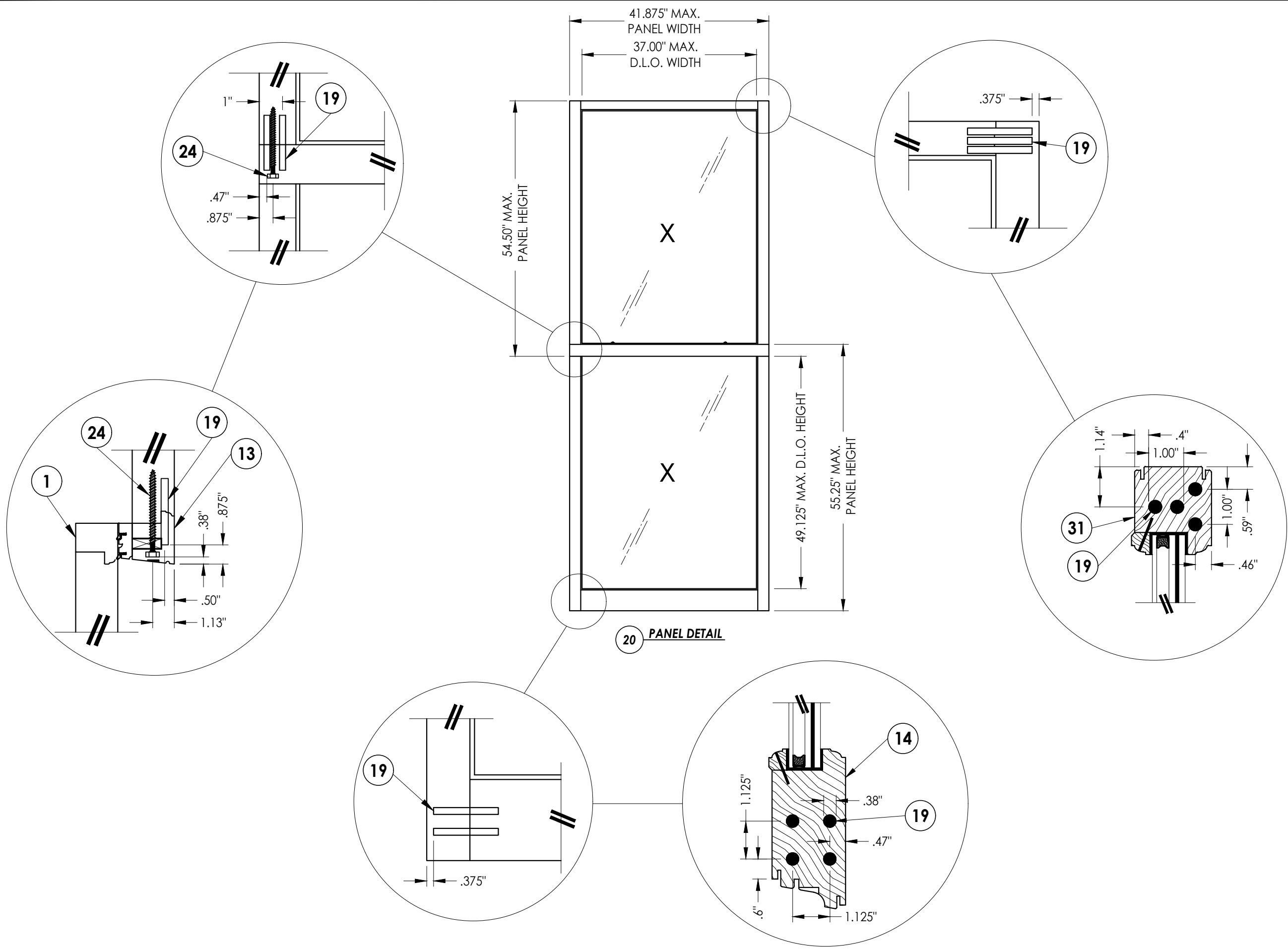
PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
6	9/13/23	UPDATE TO 8TH ED. (2023) FBC
5	9/16/20	UPDATE TO 7TH ED. (2020) FBC
4	7/10/17	UPDATE TO 6TH ED. (2017) FBC
3	02/15/16	ADD ALTERNATE FLANGE ANCHORING
2	08/03/15	UPDATE TO 5TH ED. (2014) FBC
1	1/26/12	UPDATE TO 2010 FBC

DATE: 10/2/08
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-11474.4
SHEET 6 OF 8

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

Z:\2023 FBC Drawings\Brannen Millwork\FL-11474 R7 Hung\FL-11474.1-6.dwg



20 PANEL DETAIL

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BRANNEN MILLWORKS DOUBLE HUNG WINDOW		PART OR ASSEMBLY: PANEL DETAILS		RWBUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
LFS	6	9/13/23	UPDATE TO 8TH ED. (2023)	FBC	REVISIONS	NO.	DATE
LFS	5	9/16/20	UPDATE TO 7TH ED. (2020)	FBC			
LFS	4	7/10/17	UPDATE TO 6TH ED. (2017)	FBC			
LFS	3	02/15/16	ADD ALTERNATE FLANGE ANCHORING				
JK	2	08/03/15	UPDATE TO 5TH ED. (2014)	FBC			
KV	1	1/26/12	UPDATE TO 2010 FBC				
BY							
DATE: 10/2/08							
SCALE: N.T.S.							
DWG. BY: AL							
CHK. BY: LFS							
DRAWING NO.: FL-11474.4							
SHEET 7 OF 8							

