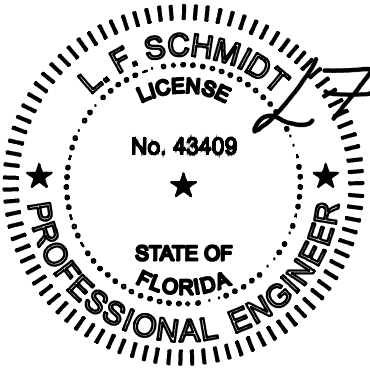


BRANNEN MILLWORK

3379 EAST HWY. 46
REGISTER, GEORGIA 30452

FIXED WINDOW
w/ TDL TRANSOM
"NON-IMPACT"



Digitally signed
by Lyndon F
Schmidt
Date: 2023.10.10
16:17:43 -04'00'

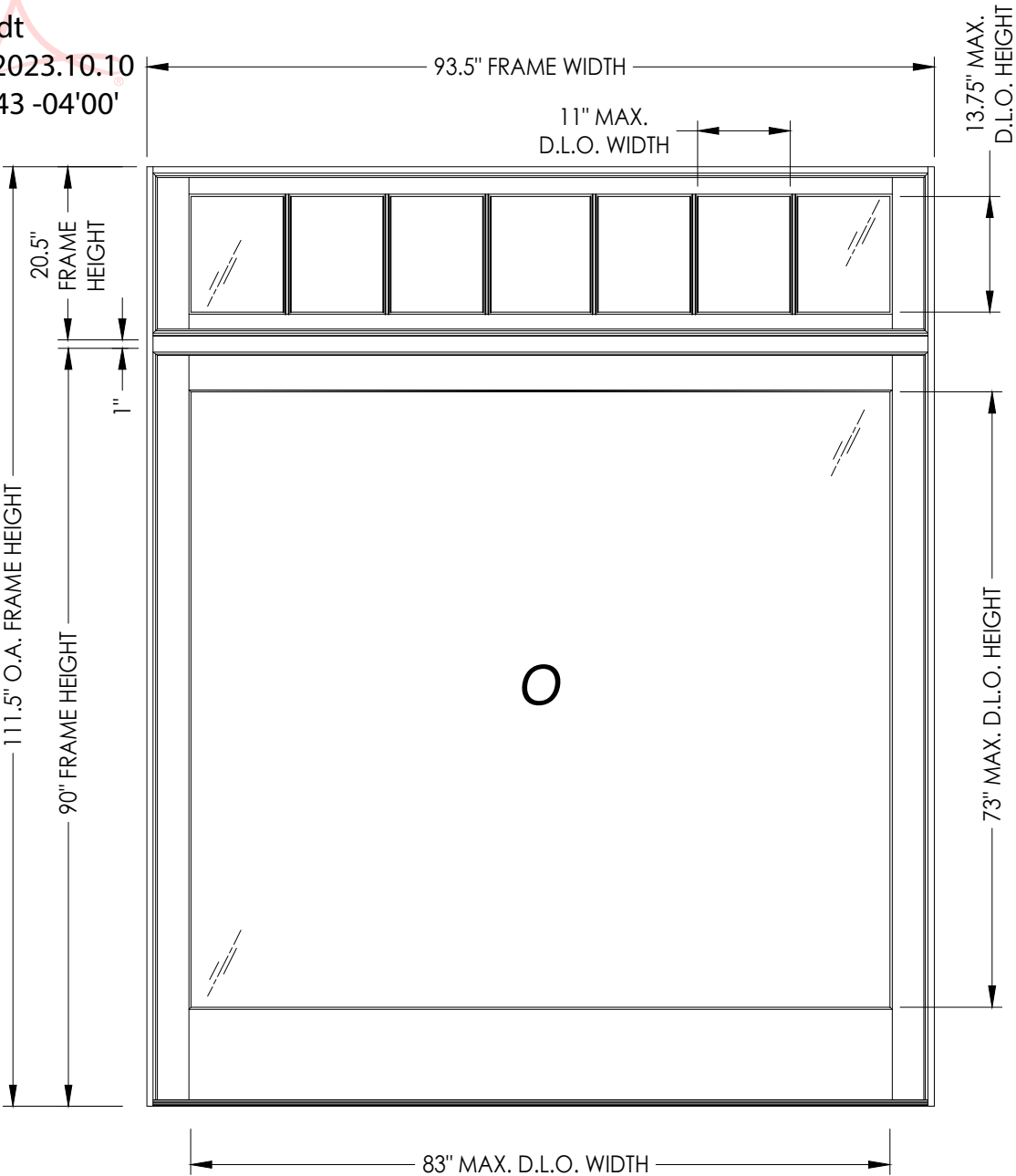
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Frame details
3	Vertical cross sections
4	Horizontal cross sections
5	Buck and frame anchoring
6	Components
7	Bill of materials, glazing details & components



OVERALL FRAME DIMENSION	MAX WINDOW D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
93.5" x 111.5"	83.0" X 73.0"	G1	+45.0	-45.0
93.5" x 111.5"	83.0" X 73.0"	G2	+55.0	-55.0

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

PRODUCT: BRANNEN MILLWORKS

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

3	8/30/23	UPDATE TO 8TH ED. (2023) FBC	LFS
2	9/16/20	UPDATE TO 7TH ED. (2020) FBC	LFS
1	7/10/17	UPDATE TO 6TH ED. (2017) FBC	LFS
NO.	DATE		BY

REVISIONS

DATE: 08/10/15

SCALE: N.T.S.

DWG. BY: JK

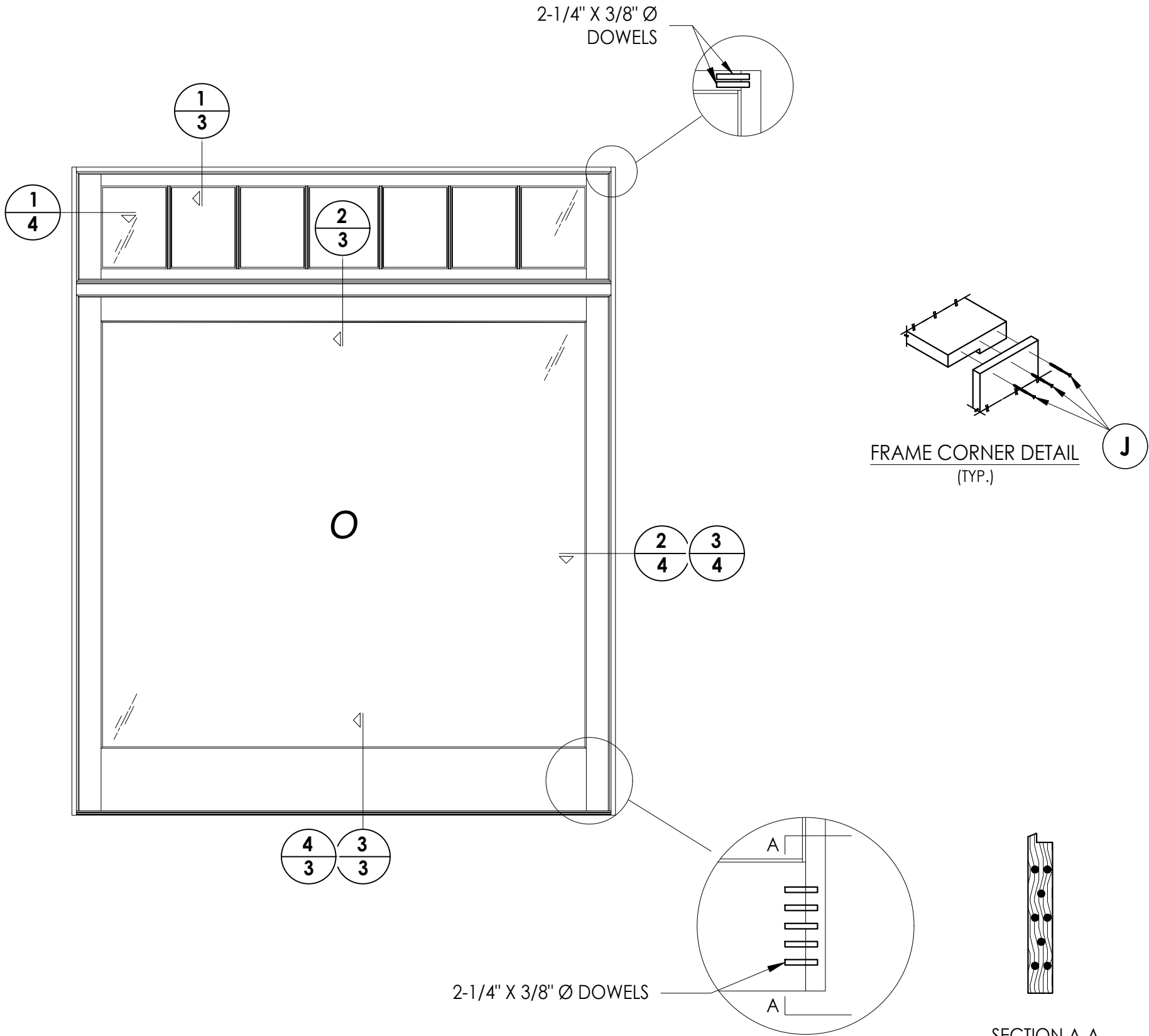
CHK. BY: LFS

DRAWING NO.:
FL-15655.6

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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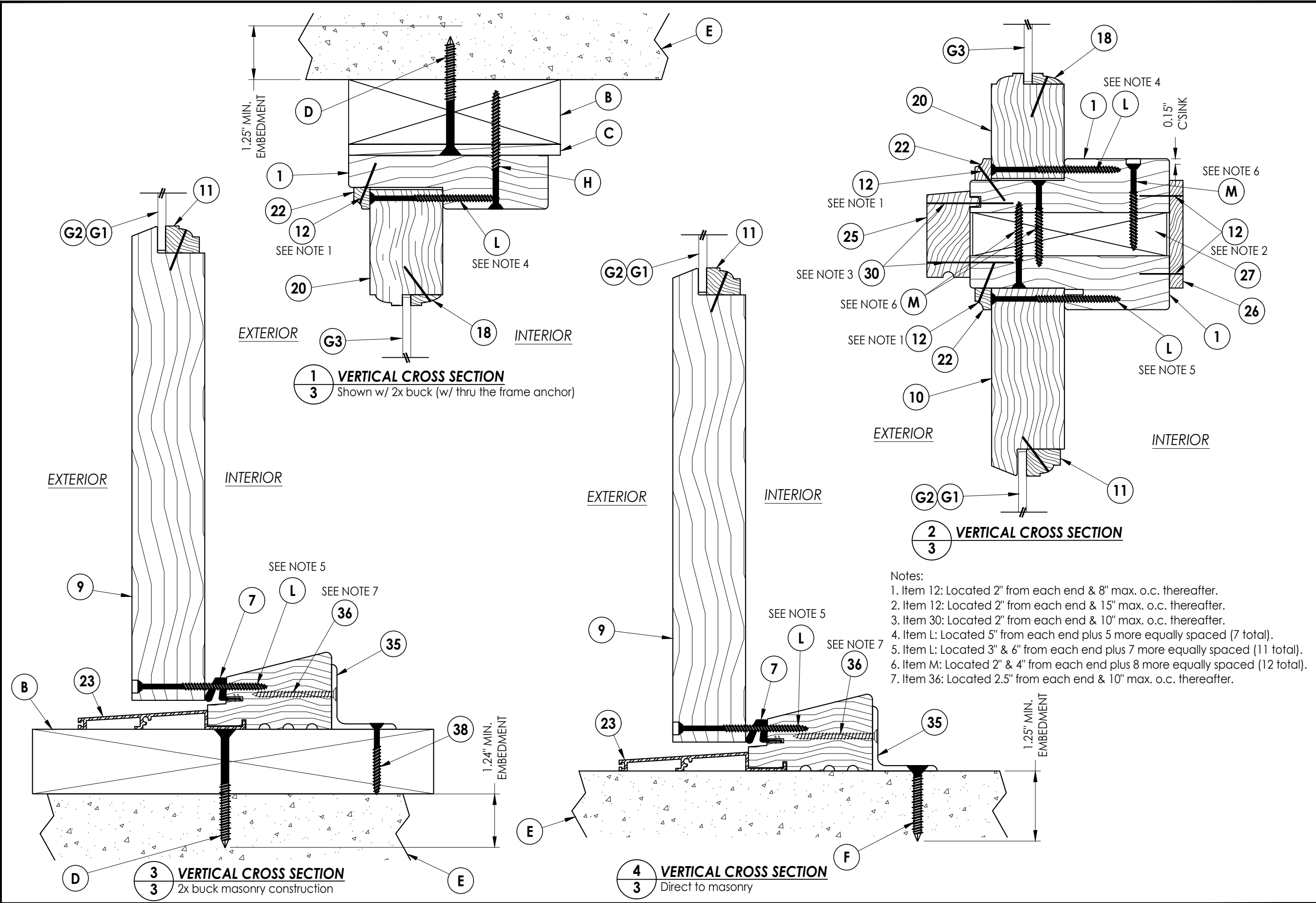


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2	9/16/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS	
1	7/10/17	UPDATE TO 6TH ED.	(2017)	FBC	LFS	
NO.	DATE				BY	
						REVISIONS

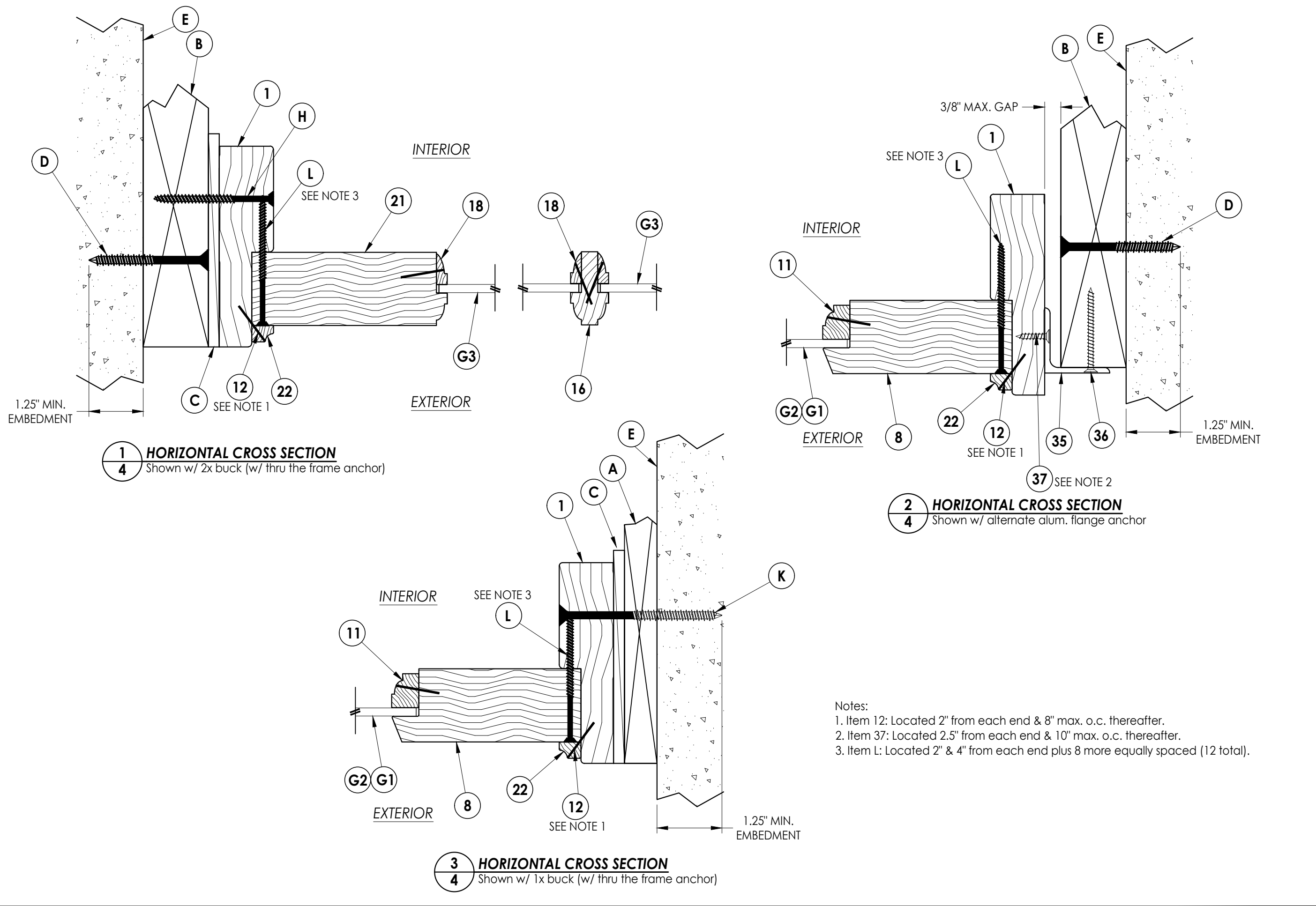
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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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		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
		LFS	BY
		FBC	
		FBC	
		FBC	
		DATE	NO.
REVISIONS			
DATE: 08/10/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15655.6			
SHEET 3 OF 7			



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P.E. No. 43409

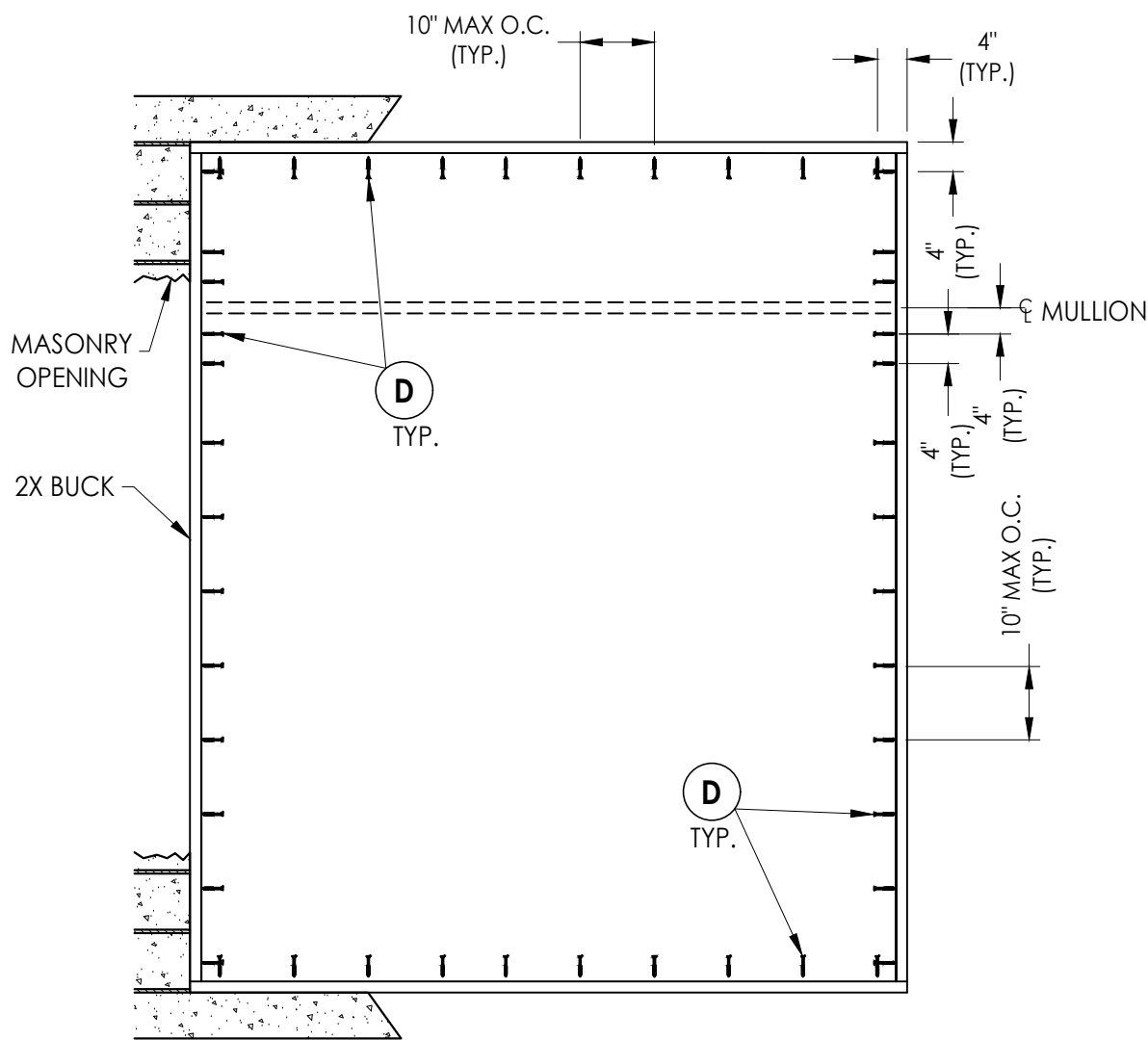
R²W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
BRANNEN MILLWORKS

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

[illegible]

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BUCK ANCHORING

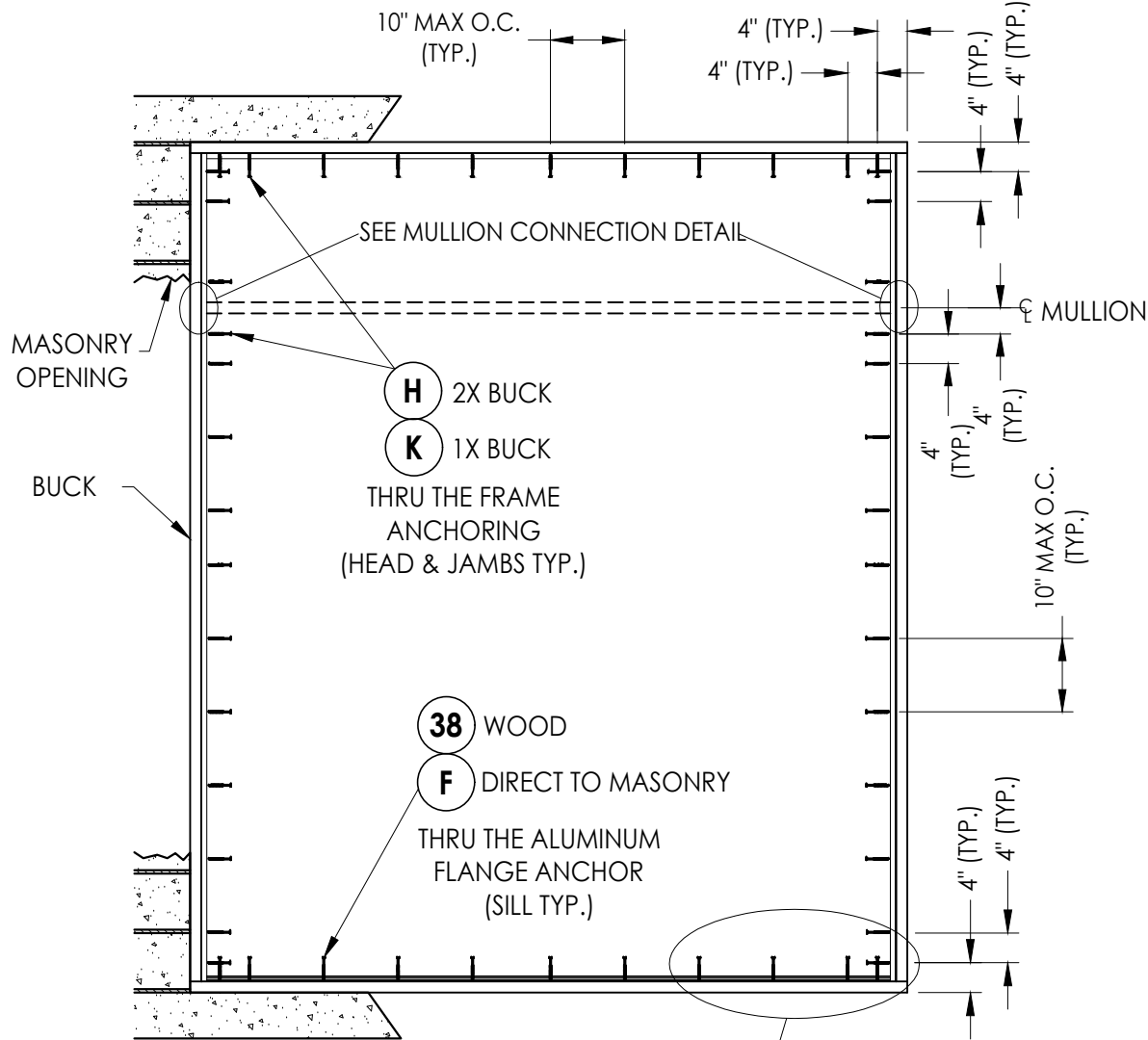
CONCRETE ANCHOR NOTES:

- 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:

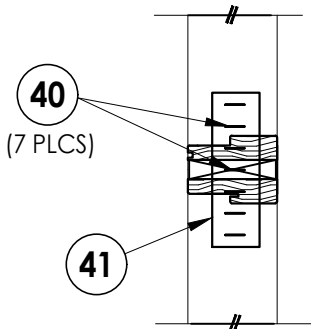
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA CON+®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

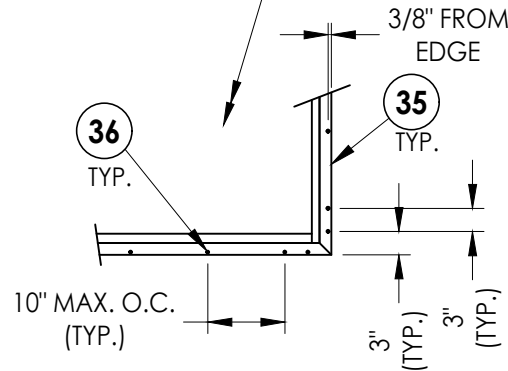
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



FRAME ANCHORING



MULLION CONNECTION DETAIL



ALTERNATE FRAME ANCHORING

Masonry buck construction
(Aluminum Flange Anchor)

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: BRANNEN MILLWORKS

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING

NO.	DATE	REVISIONS
3	8/30/23	UPDATE TO 8TH ED. (2023) FBC
2	9/16/20	UPDATE TO 7TH ED. (2020) FBC
1	7/10/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 08/10/15

SCALE: N.T.S.

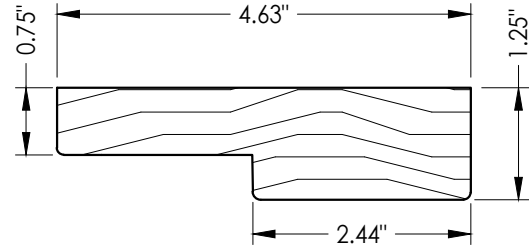
DWG. BY: JK

CHK. BY: LFS

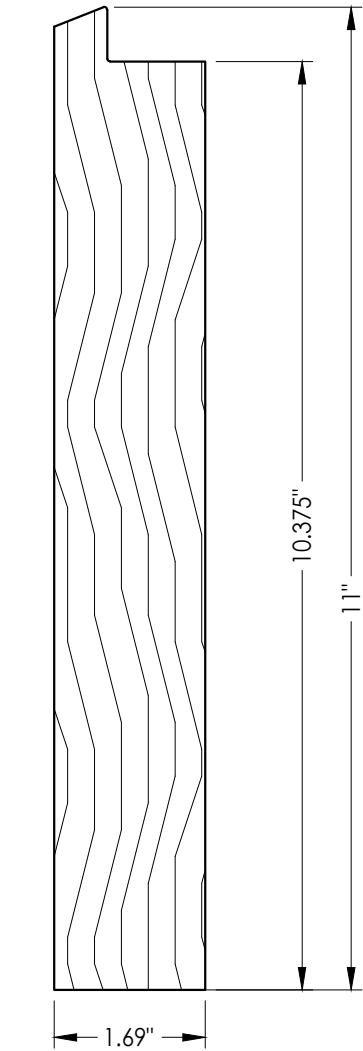
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SHEET 5 OF 7

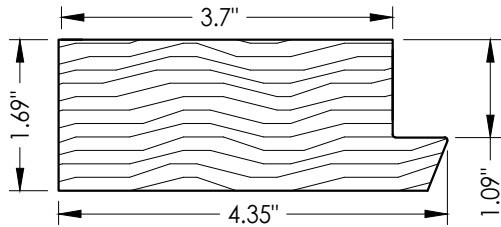
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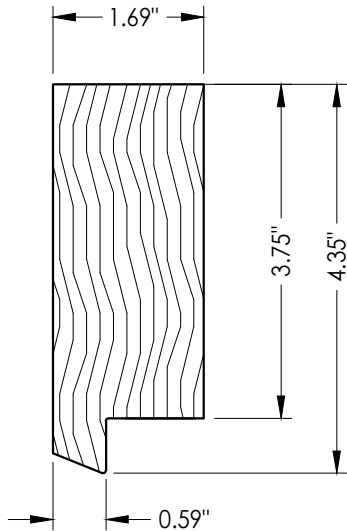
1 FRAME



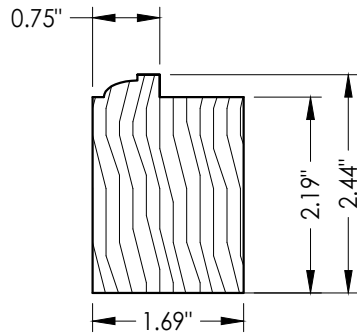
9 BOTTOM RAIL
Fixed Window



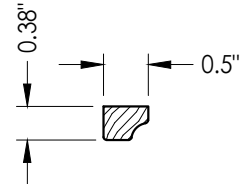
8 STILE
Fixed Window



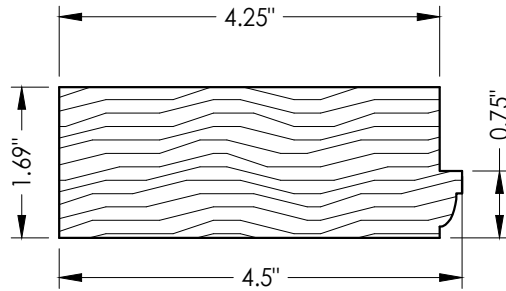
10 TOP RAIL
Fixed Window



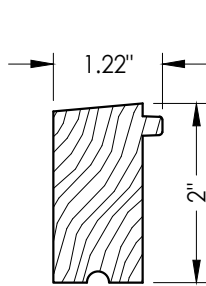
20 TOP & BOTTOM RAIL
Transom



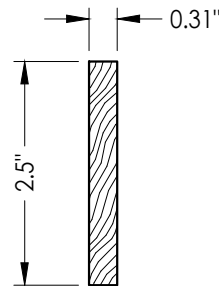
22 MOLDING
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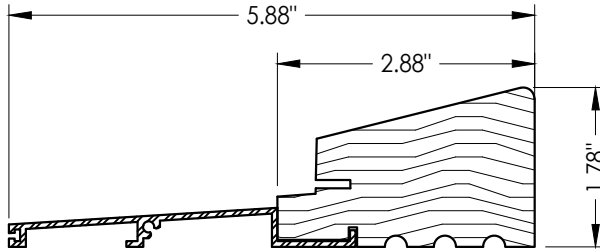
21 STILE
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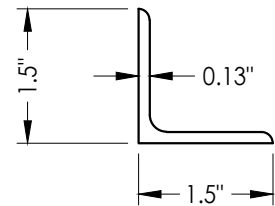
25 DRIP EDGE MOLDING



26 MULLION CAP



15 SILL



35 ALUM FLANGE

DATE: 08/10/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15655.6

SHEET 6 OF 7

PRODUCT: BRANNEN MILLWORKS

PART OR ASSEMBLY:

COMPONENTS

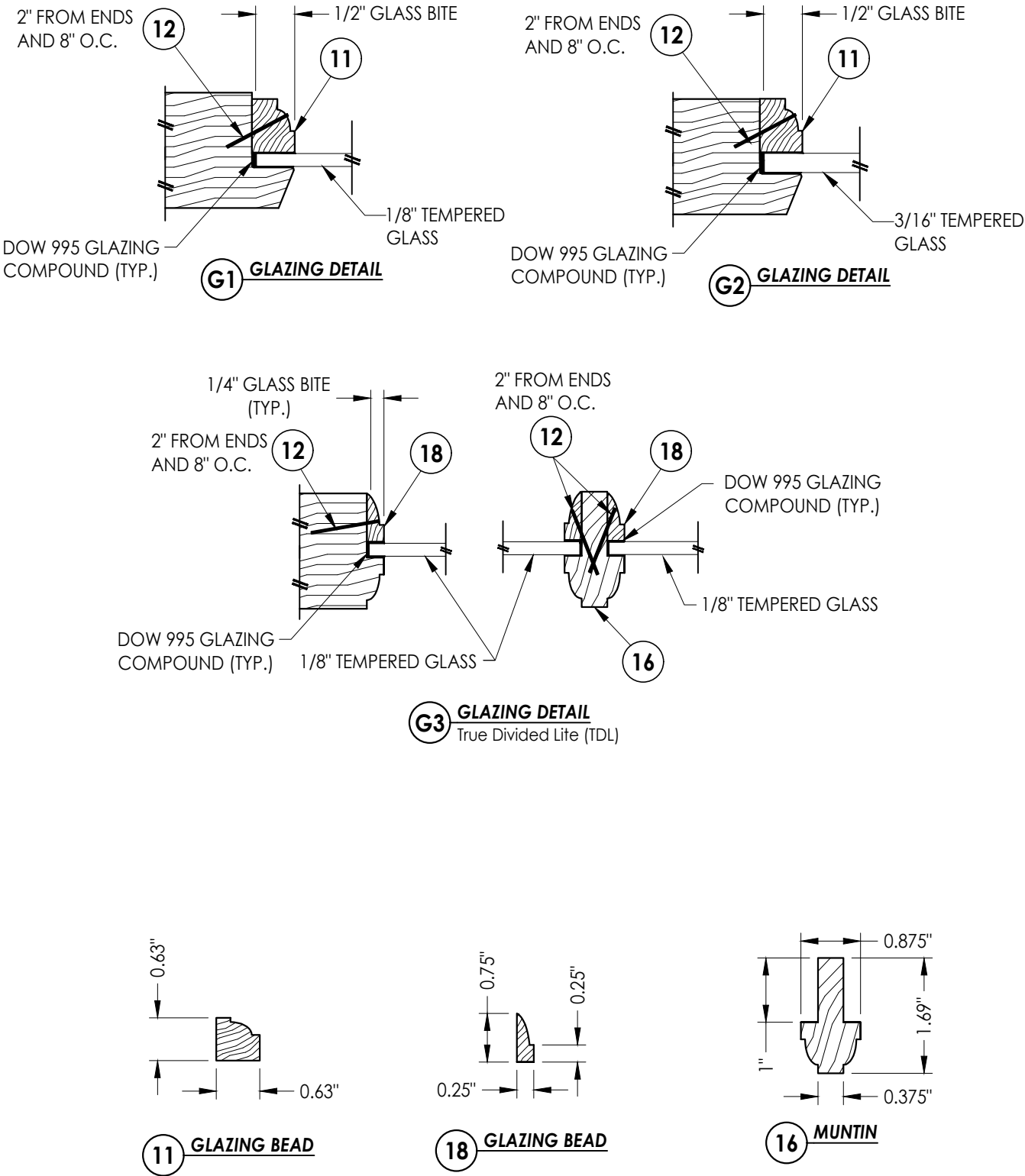
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.55)	WOOD
B	2X BUCK (SG >= 0.55)	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	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	#6 X 3/4" PPH SMS	STEEL
H	#10 X 2-3/4" FH DEEP THREAD WOOD SCREW (1-1/4" MIN. EMBEDMENT)	STEEL
K	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#8 X 3" FH DEEP THREAD WOOD SCREW	STEEL
M	#10 X 2" PFH WOOD SCREW	STEEL
1	FRAME HEAD AND JAMB	WOOD
2	CAP (FRAME)	WOOD
3	CAP (SILL)	WOOD
5	MOUNTING CLIP	STEEL
7	WEATHERSTRIP	VINYL
8	STILE (FIXED WINDOW)	WOOD
9	BOTTOM RAIL (FIXED WINDOW)	WOOD
10	TOP RAIL (FIXED WINDOW)	WOOD
11	GLAZING BEAD	WOOD
12	1" BRAD (23 ga)	WOOD
14	1-3/16" BRAD (23 ga)	STEEL
15	SILL	ALUM/WOOD
16	MUNTIN	WOOD
18	GLAZING BEAD	WOOD
20	TOP AND BOTTOM RAIL (TRANSOM)	WOOD
21	STILE (TRANSOM)	WOOD
22	MOLDING (TRANSOM)	WOOD
25	DRIP EDGE MOLDING	WOOD
26	MULLION CAP	WOOD
27	1.0" X 4.5" MULLION (SG >= 0.42)	WOOD
35	ALUMINUM FLANGE ANCHOR (6063-T5)	ALUM
36	#8 X 2" FH DEEP THREAD WOOD SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
37	#8 X 3/4" PFH WOOD SCREW (5/8" MIN. EMBEDMENT)	STEEL
38	#8 X 1-3/4" FH WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
40	16 GA. STAPLE (1" CROWN X 3/4" LEG)	STEEL
41	STEEL SPLICE PLATE 2.5" X 8" X 0.31" THICK	STEEL

NOTE: WINDOW FRAME WOOD (SG >= 0.54)



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: BRANNEN MILLWORKS

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

NO.	DATE	REVISIONS			
		BY	LFS	FBC	
3	8/30/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
2	9/16/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS
1	7/10/17	UPDATE TO 6TH ED.	(2017)	FBC	LFS

DATE: 08/10/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15655.6

SHEET 7 OF 7