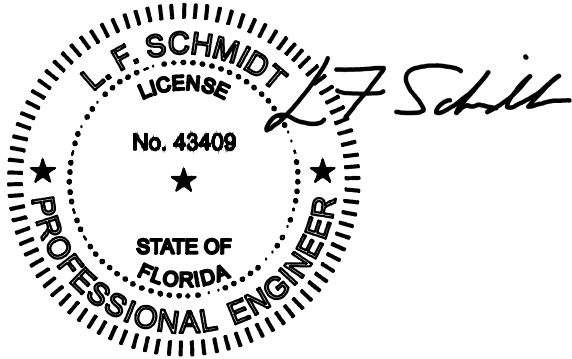




This item has been digitally signed and sealed by L. F. Schmidt, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA

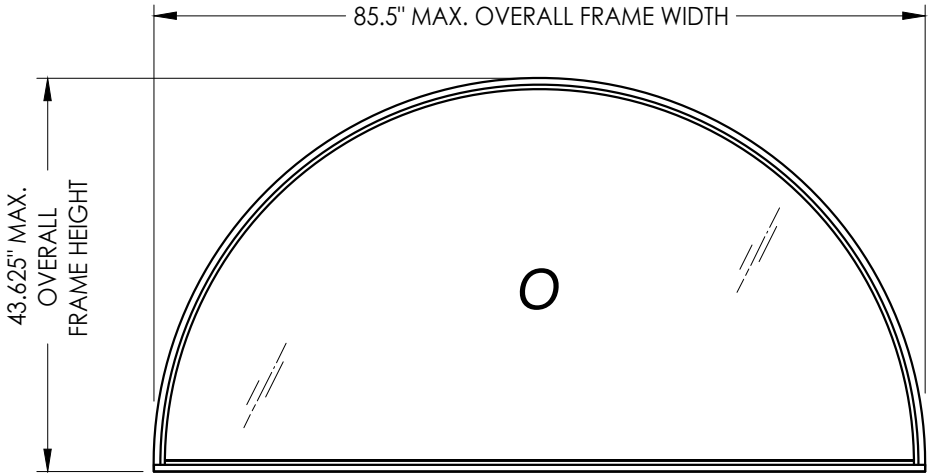
TRANSOM / FIXED LITE

"IMPACT"

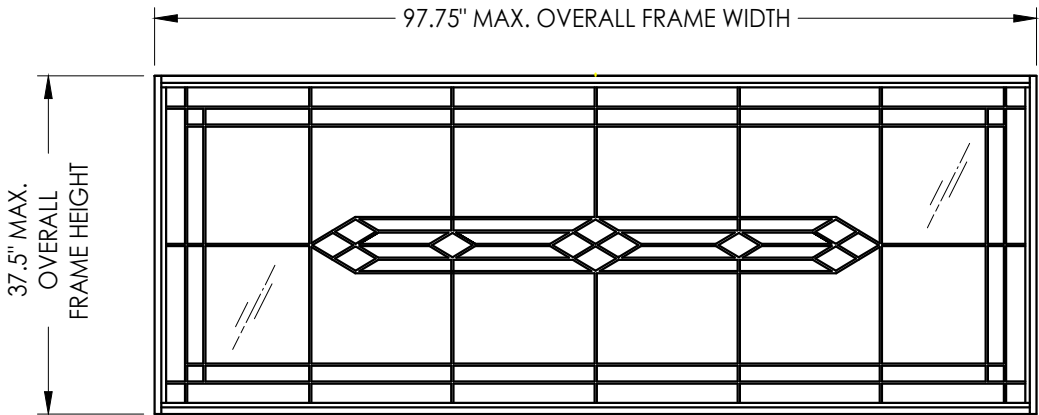
GENERAL NOTES

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 "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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 elevation, design pressures & general notes
2	Horizontal and vertical cross sections
3	Buck & frame anchoring (Half-Round)
4	Buck & frame anchoring (Rectangular)
5	Bill of materials, glazing details & components



HALF-ROUND FIXED LITE
(Shown w/ Clear Glass)



RECTANGULAR FIXED LITE
(Shown w/ Decorative Glass)

UNIT TYPE	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
HALF-ROUND	85.5" x 43.63"	83.0" x 41.13"	G1	+60.0	-65.0
RECTANGULAR	97.75" x 37.5"	95.25" x 35.0"	G1	+60.0	-65.0

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: TRANSOM / FIXED LITE

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

REVISIONS			
2	7/13/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	8/13/20	UPDATE TO 7th ED. (2020) FBC	DAC
	NO. DATE		BY

DATE: 6/13/18

SCALE: N.T.S.

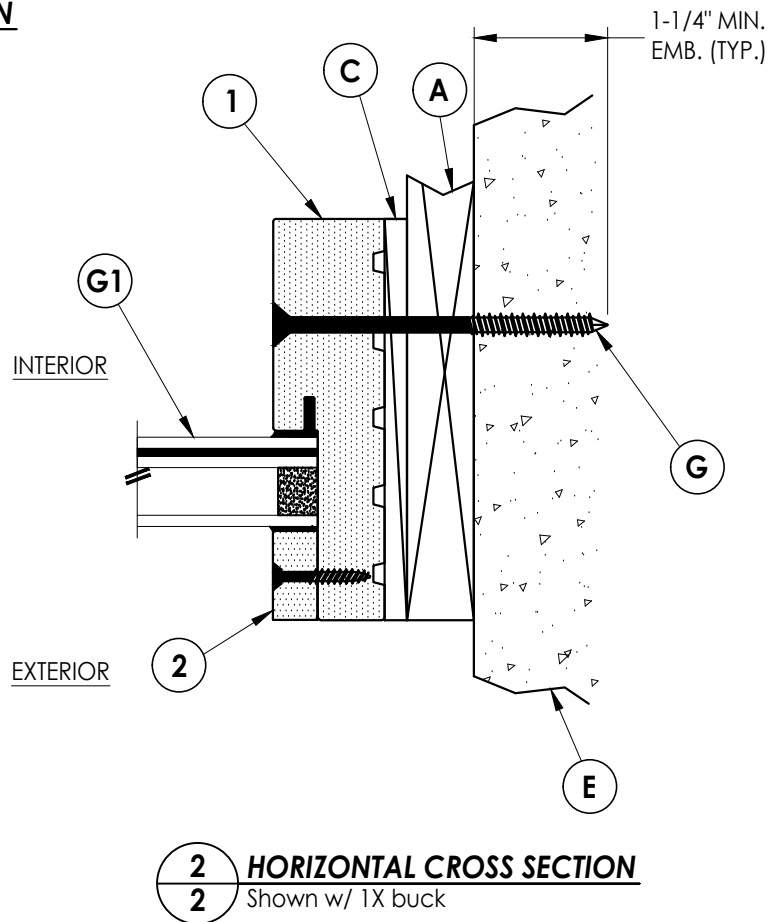
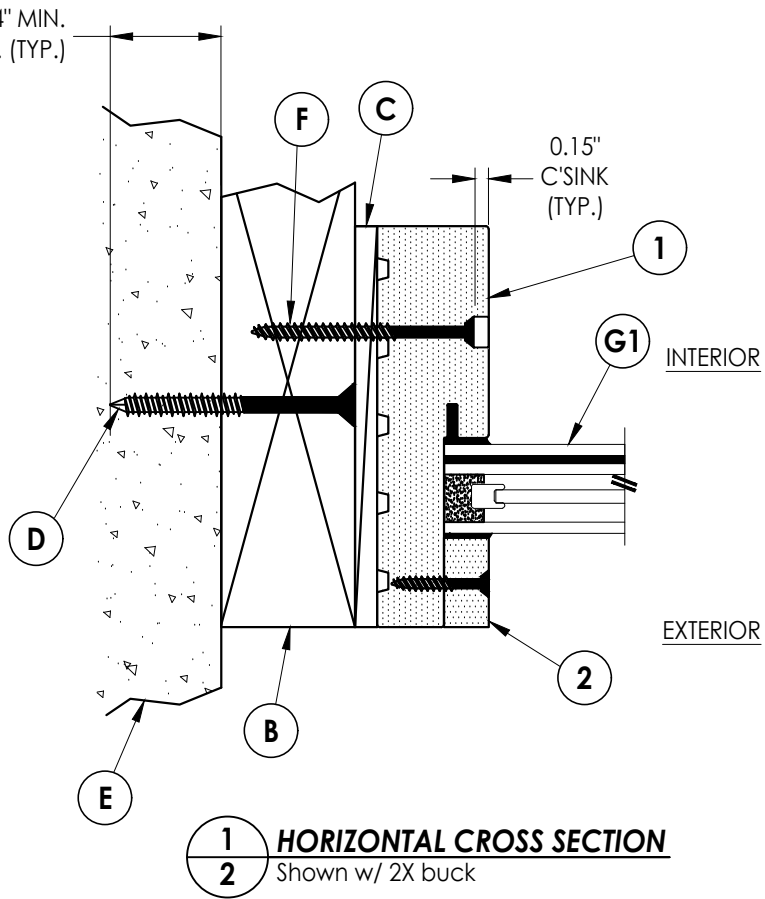
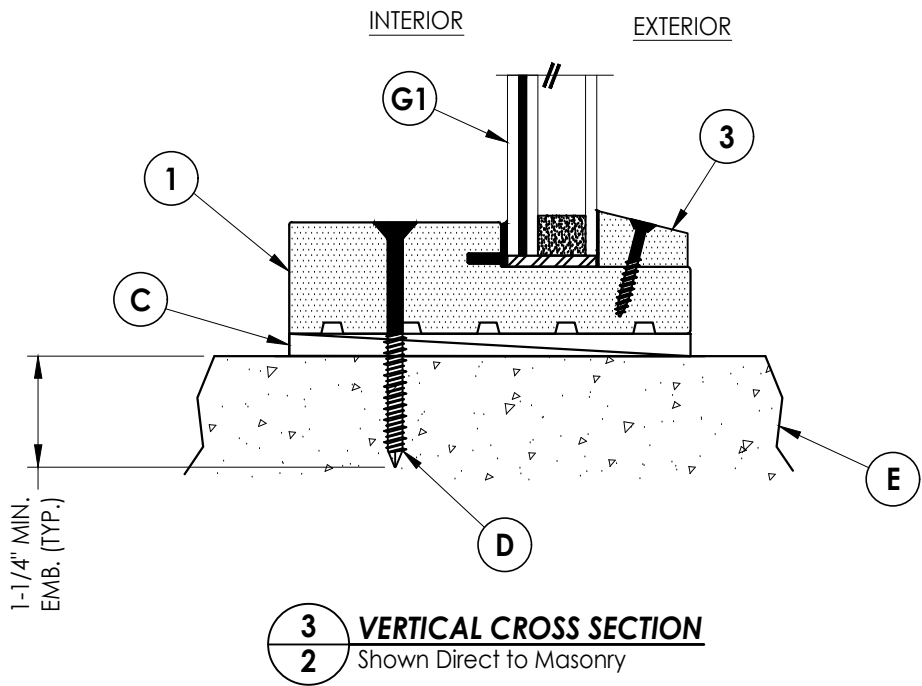
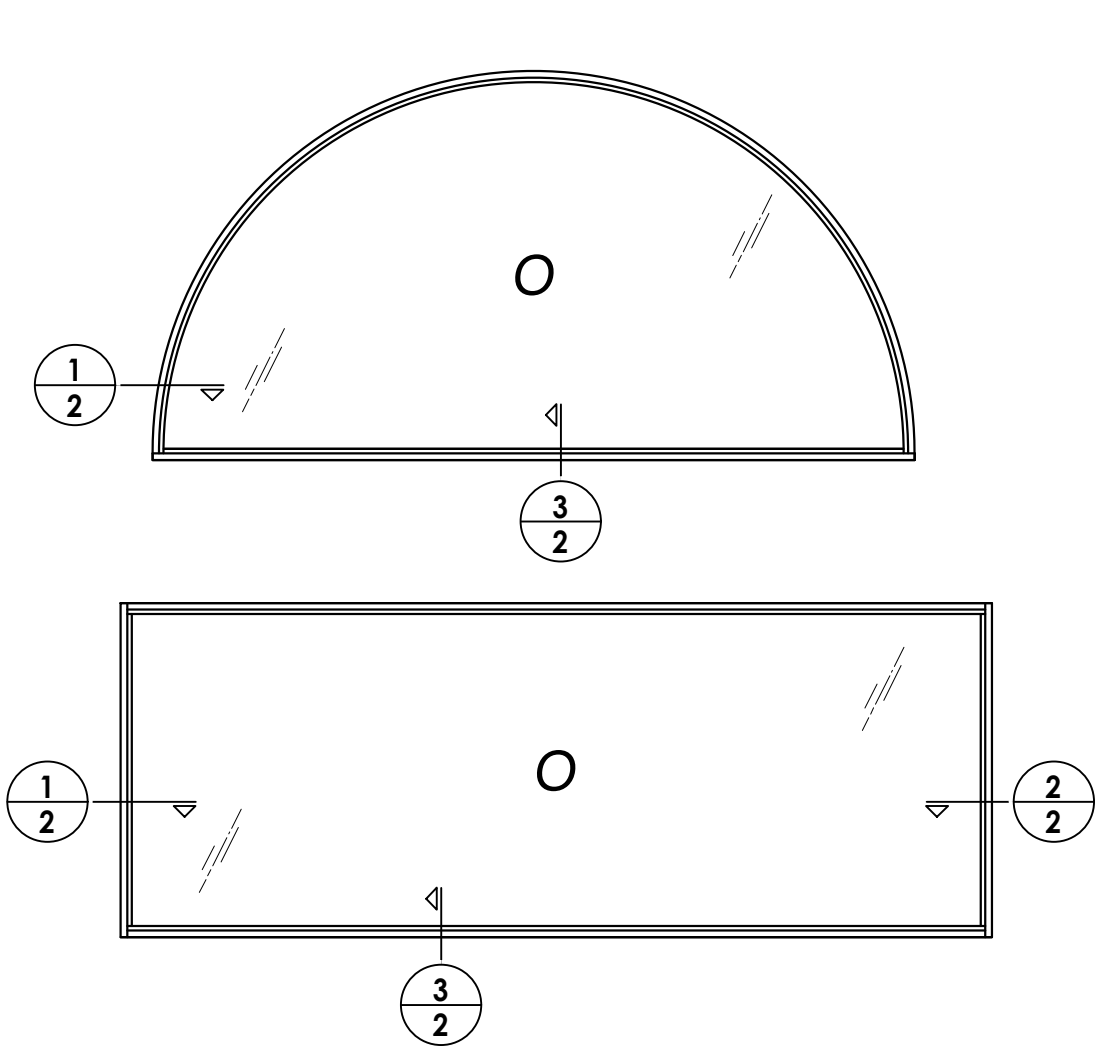
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-27399.2

SHEET 1 OF 5

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PRODUCT:		TRANSOM / FIXED LITE		PART OR ASSEMBLY:		HORIZONTAL AND VERTICAL CROSS SECTIONS	
				LFS	FBC	DATE	REVISIONS
				2	7/13/23	UPDATE TO 8TH ED. (2023)	
				1	8/13/20	UPDATE TO 7th ED. (2020)	
				NO.	DATE		
DATE: 6/13/18				SCALE: N.T.S.			
DWG. BY: JK				CHK. BY: LFS			
DRAWING NO.: FL-27399.2				SHEET 2 OF 5			

3" (TYP.)

2X FRAMING AND CONNECTION TO SUBSTRATE BY OTHERS (ARCHITECT OR ENGINEER OF RECORD)

BUCK

MASONRY OPENING

2X BUCK DIRECT TO MASONRY

F (TYP.)

2" (TYP.)

FRAME

SEE NOTE 1

6" (TYP.)

14.75" MAX. O.C. (TYP.)

FRAME ANCHORING
HALF-ROUND

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"

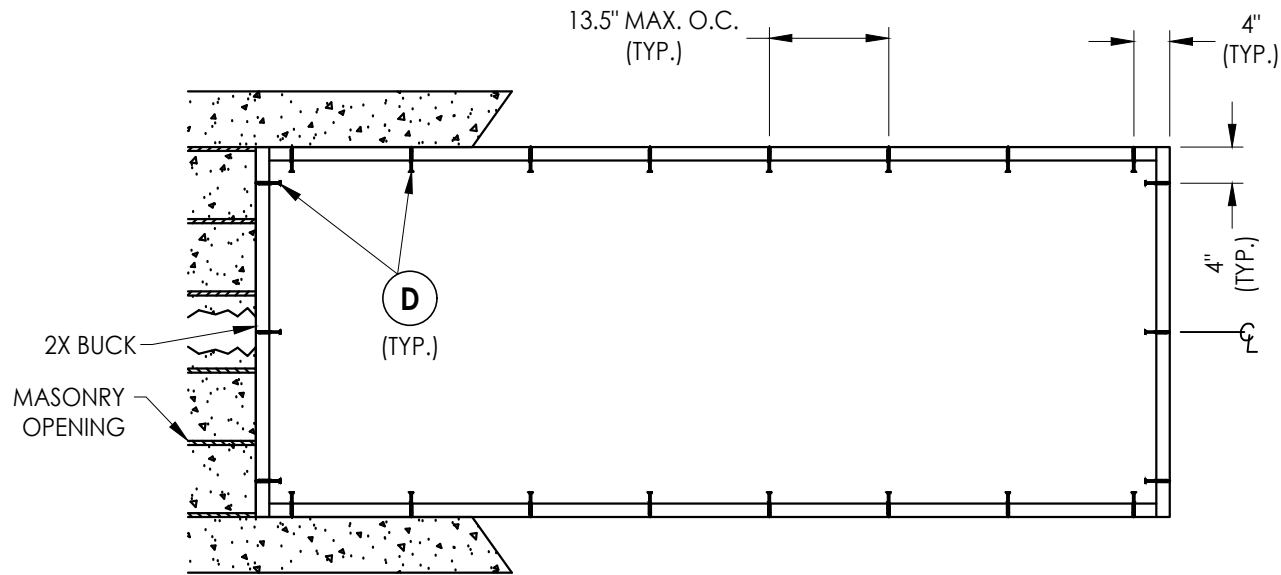
NOTE:
1. FRAME CORNERS SEALED w/ DOW 995 & CONNECTED
w/ (3) #10 X 2" FPH WOOD SCREWS (TYP.).

	2	7/13/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
	1	8/13/20	UPDATE TO 7th ED. (2020)	FBC	DAC
	NO.	DATE			BY
					REVISIONS

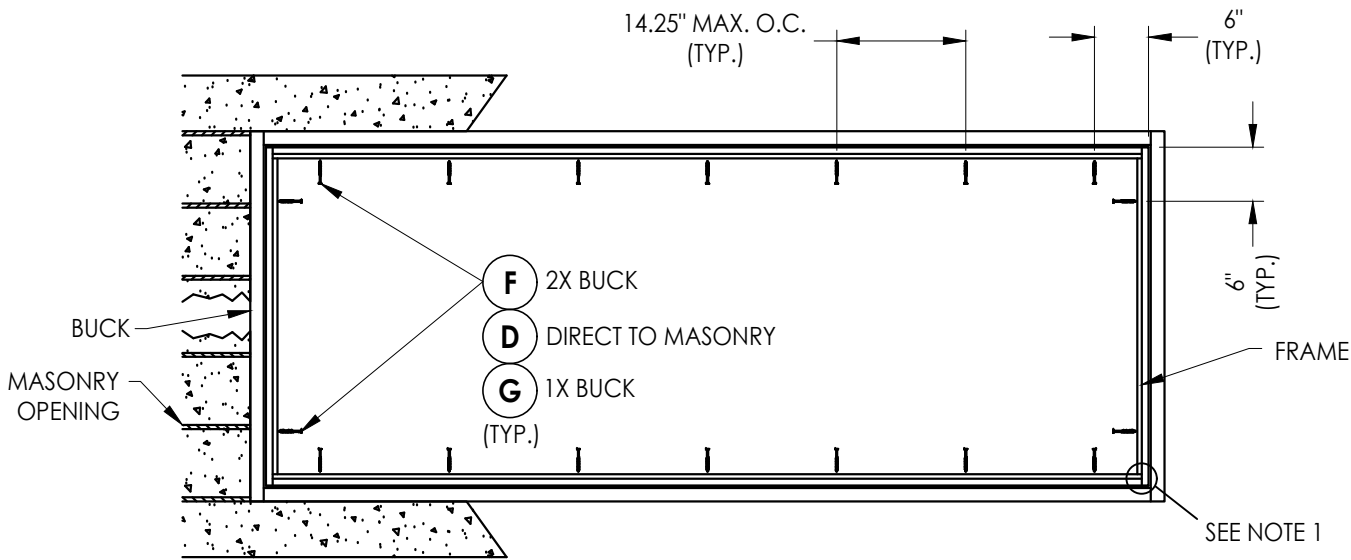
SHEET 3 OF 5

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
RECTANGULAR



FRAME ANCHORING
RECTANGULAR

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.

NOTE:

- FRAME CORNERS SEALED w/ DOW 995 & CONNECTED w/ (3) #10 X 2" FPH WOOD SCREWS (TYP.).

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

PRODUCT:
TRANSOM / FIXED LITE

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
(RECTANGULAR)

NO.	DATE	REVISIONS
2	7/13/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	8/13/20	UPDATE TO 7th ED. (2020) FBC DAC
		BY

DATE: 6/13/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

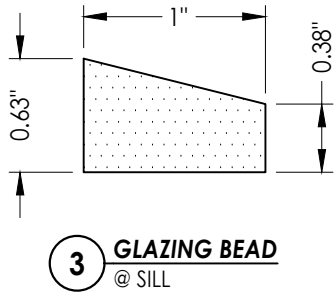
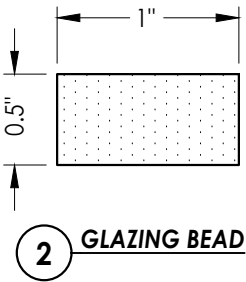
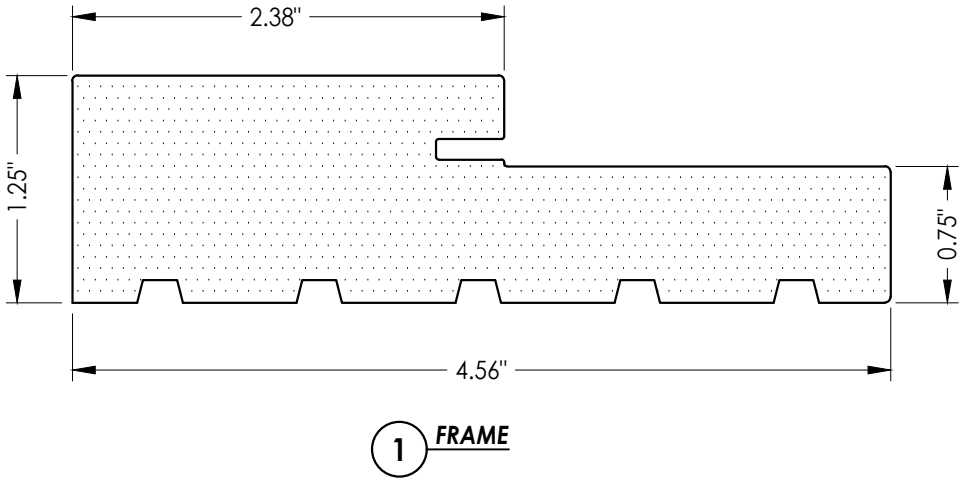
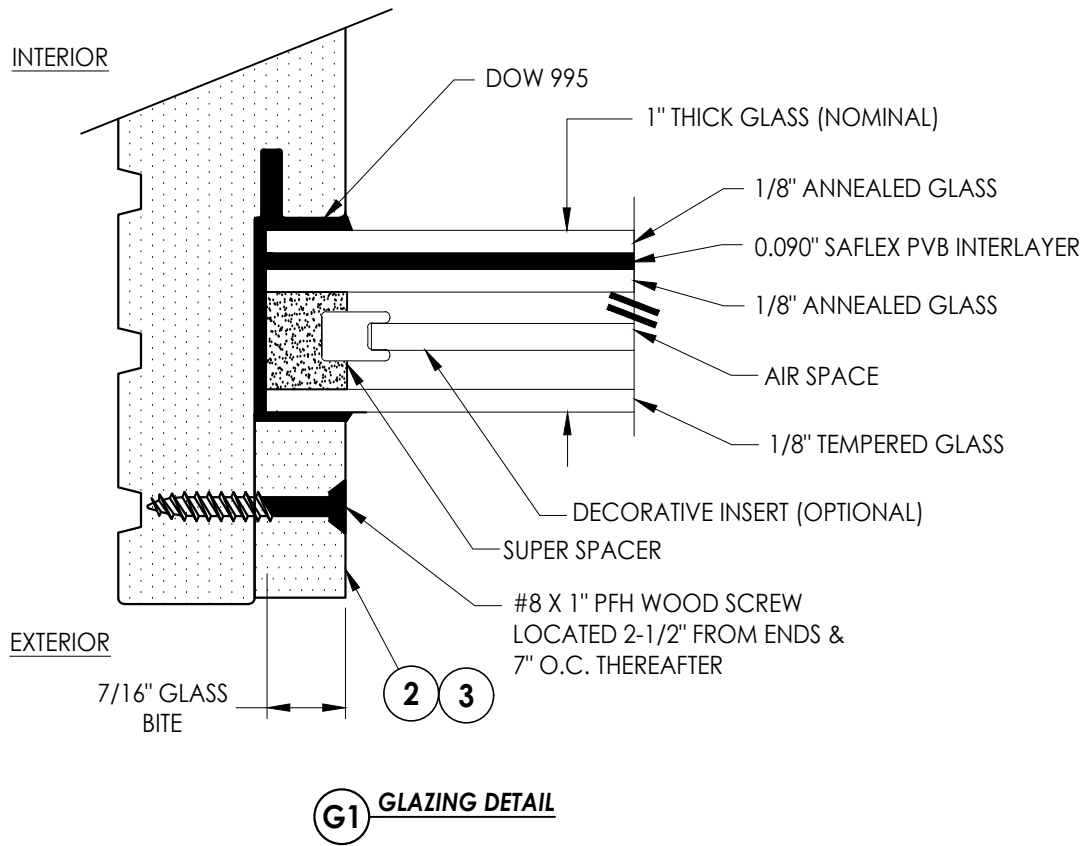
FL-27399.2

SHEET 4 OF 5

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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" FH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
G	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	FRAME	COMPOSITE
2	GLAZING BEAD	COMPOSITE
3	GLAZING BEAD (@ SILL)	COMPOSITE

NOTE: ALL FRAME COMPOSITES BY WORLDWIDE



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:	TRANSOM / FIXED LITE		PART OR ASSEMBLY:
			BILL OF MATERIALS, COMPONENTS AND GLAZING DETAIL
			LFS
			FBC
		2	7/13/23
			UPDATE TO 8TH ED. (2023)
			FBC
		1	8/13/20
			UPDATE TO 7th ED. (2020)
			FBC
		NO.	DATE
			BY
			REVISIONS
DATE: 6/13/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-27399.2			
SHEET 5 OF 5			