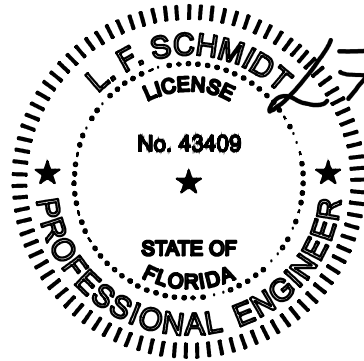




Digitally signed by Lyndon F Schmidt
Date: 2023.09.25 14:32:21 -04'00'

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.

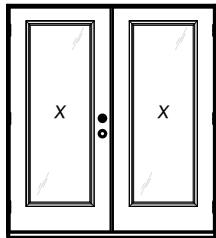
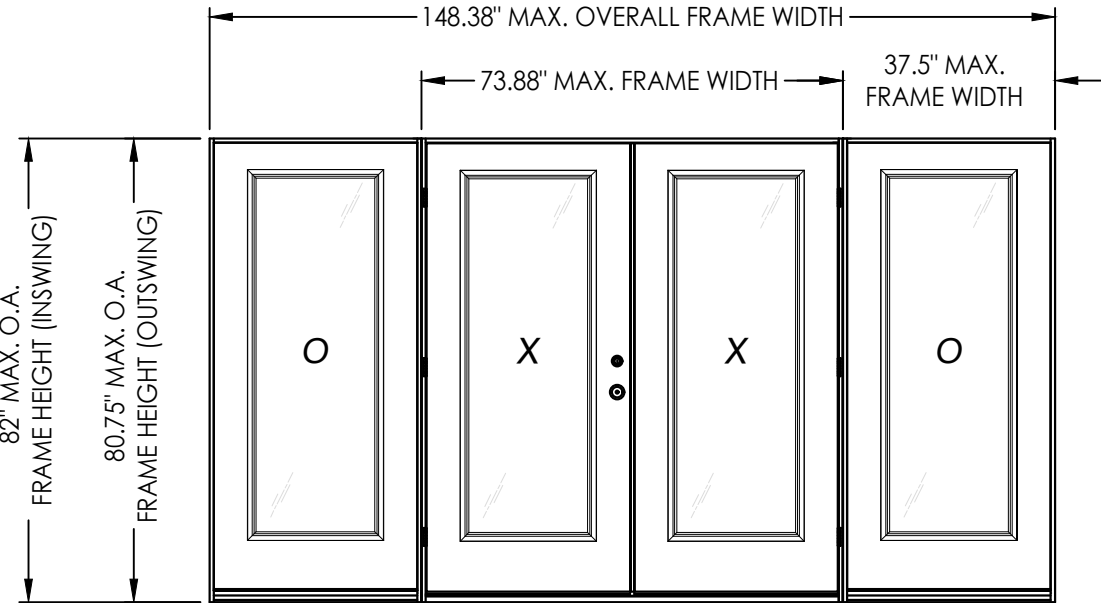
THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA

"BUILDER SERIES"
GLAZED FIBERGLASS DOOR
DOUBLE
w/ or w/out SIDELITE(S)
INSWING/OUTSWING
"NON-IMPACT"

GENERAL NOTES

- 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).
- 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 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.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 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	SHEET #	
1	Typical Elevations, Design Pressures & General Notes	8	Horizontal & Vertical Cross Sections (Direct to Masonry)
2	Door Panel Details	9	Vertical Cross Sections (Thresholds)
3	Sidelite Panel Details	10	Buck Anchoring
4	Elevations	11	Frame Anchoring & Hardware Details
5	Horizontal & Vertical Cross Sections	12	Lite Frame & Glazing Details
6	Horizontal & Vertical Cross Sections (2X Buck)	13	Bill of Materials & Components
7	Horizontal & Vertical Cross Sections (1X Buck)		



XX

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	73.88" x 82.0"	+45.0	-45.0	+45.0	-45.0
OXXO	148.38" x 82.0"	+45.0	-45.0	+45.0	-45.0

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

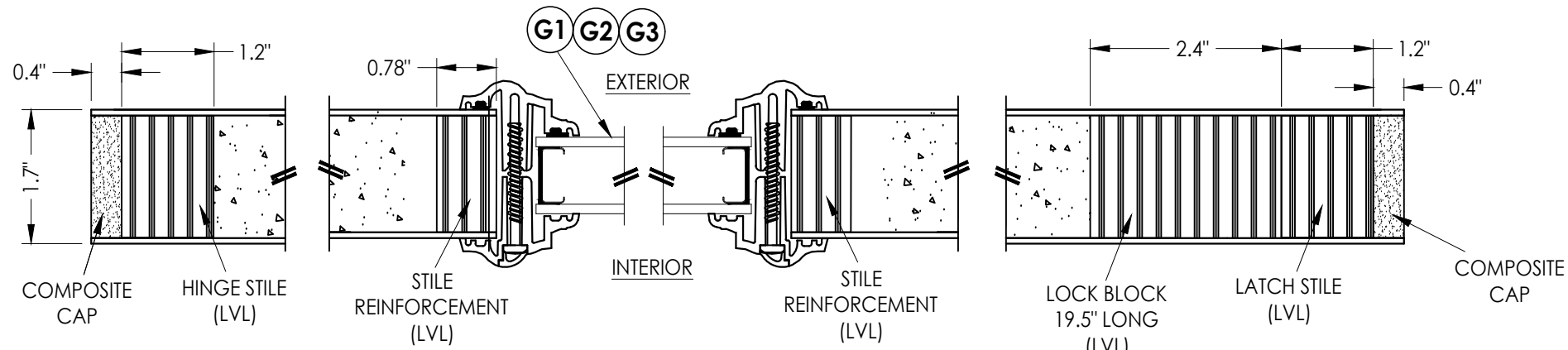
TKI PRODUCTS
FIBERGLASS DOOR

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

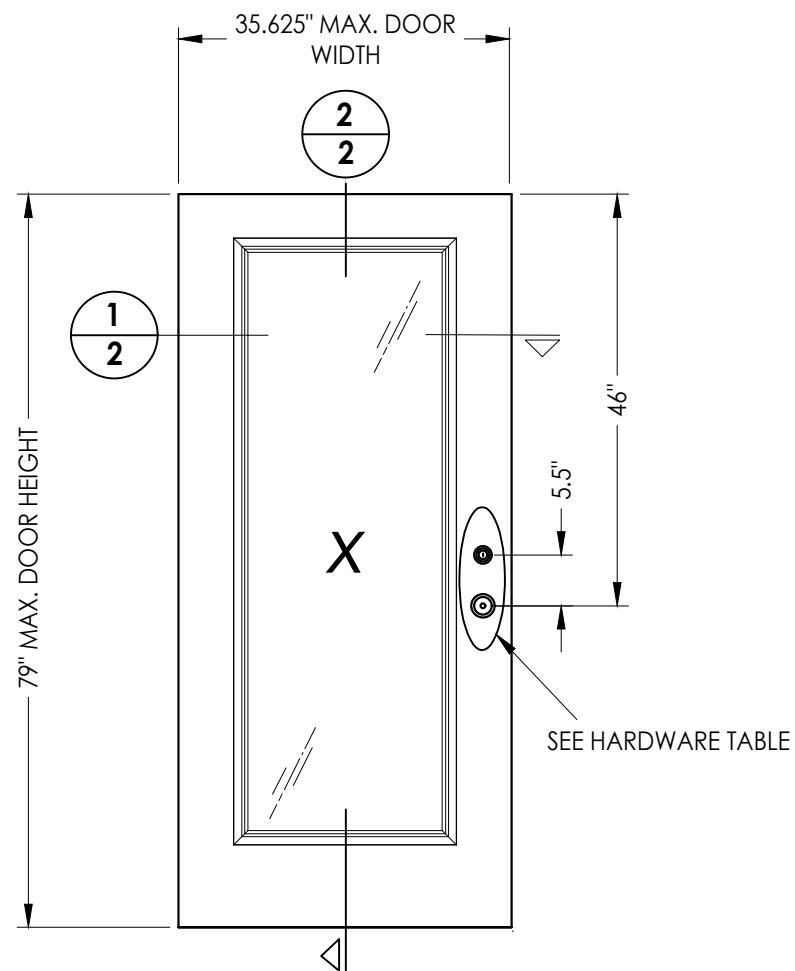
REVISIONS

DATE: 9/25/23
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-42433.6
SHEET 1 OF 13

Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



1 HORIZONTAL CROSS SECTION

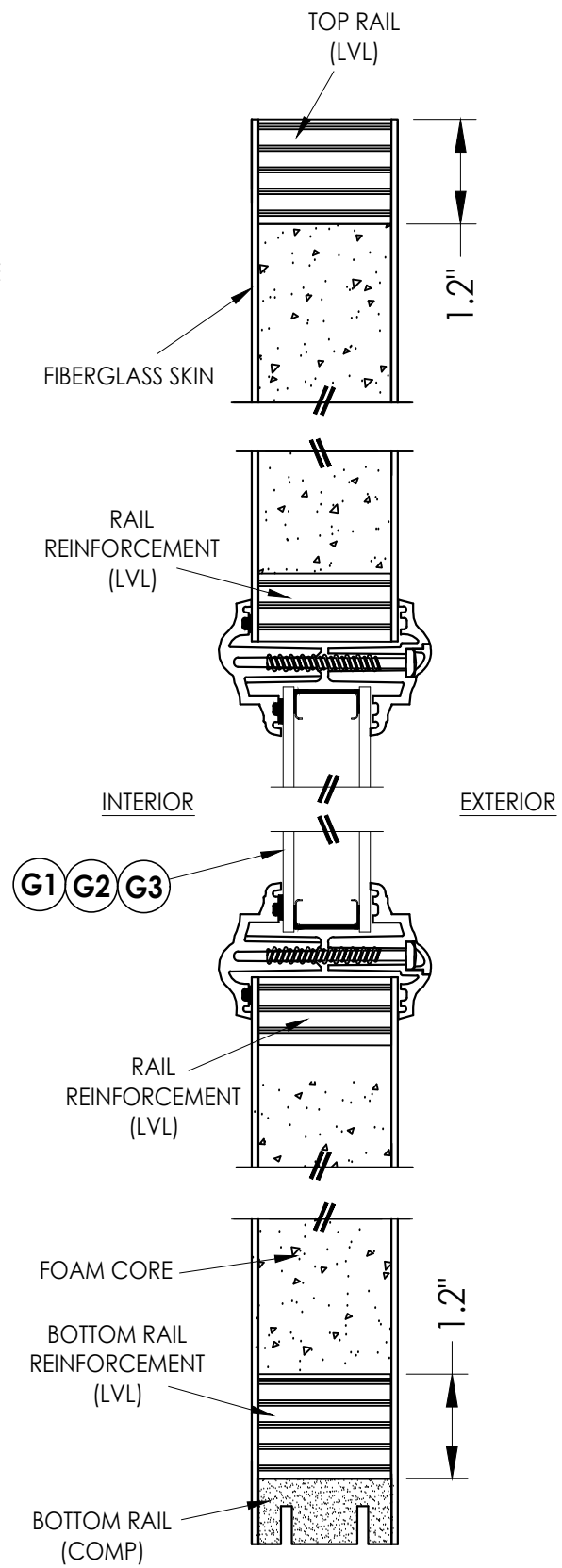


40 FIBERGLASS DOOR PANEL

BUILDER SERIES

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)	
SCHLAGE	KNOB: F51 DEADBOLT: B60N	

FIBERGLASS SKIN: 0.075" MIN. THK.
FOAM CORE: POLYURETHANE - 1.9 PCF MIN.)



2 VERTICAL CROSS SECTION

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

PRODUCT: TKI PRODUCTS
FIBERGLASS DOOR

PART OR ASSEMBLY:

[illegible]

DATE: 9/25/23

SCALE: N.T.S.

DWG. BY: *RW*

CHK. BY: *LFS*

DRAWING NO.:

FL-42433.6

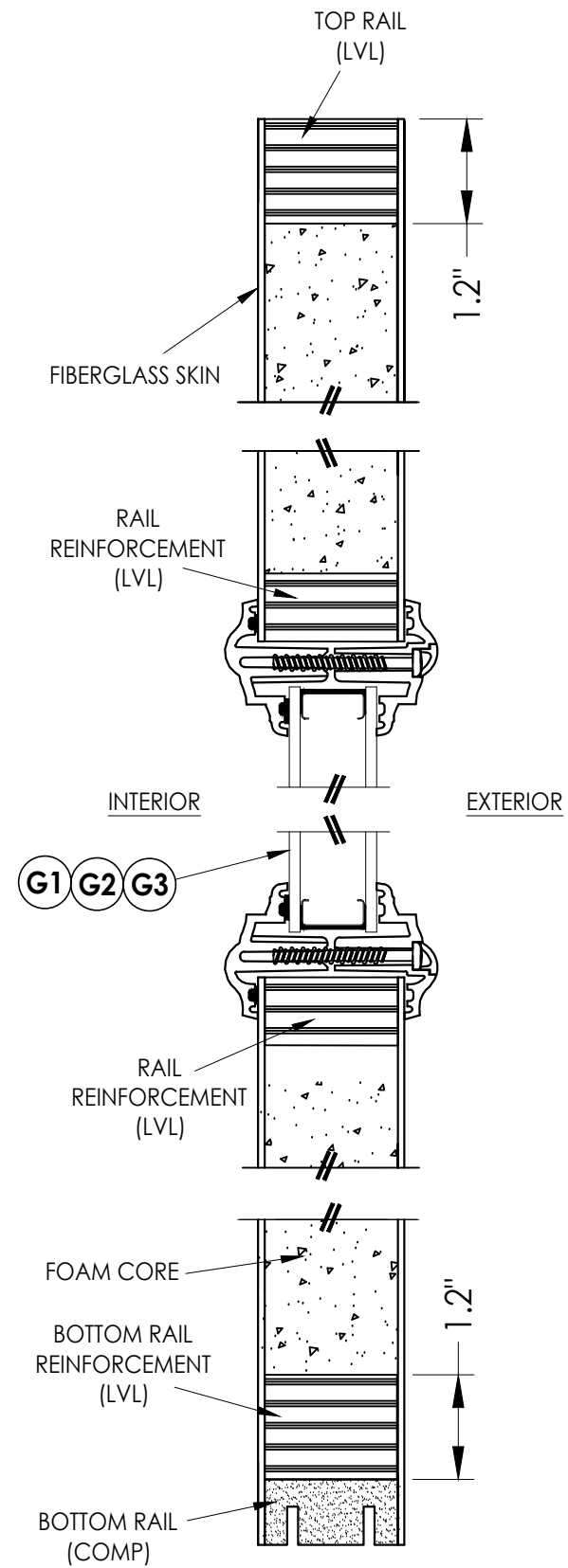
SHEET 2 OF 13

The image contains two technical drawings of a composite door cross-section.

Front View (Left): Shows a door with a total width of 1.2" and a total height of 1.7". The top edge features a "COMPOSITE CAP" that is 0.4" thick. The main body of the door is composed of vertical stiles, with a "HINGE STILE (LVL)" indicated on the right side. The interior of the door is filled with a composite material, represented by a stippled pattern.

Side View (Right): Shows the door's profile, including the hinge mechanism. The hinge is labeled "G1", "G2", and "G3". The door is shown in a closed position, with the "EXTERIOR" side on the left and the "INTERIOR" side on the right. The hinge stile is labeled "HINGE STILE (LVL)". The door is shown with a "COMPOSITE CAP" on the top edge. The hinge mechanism is shown in a cross-section, revealing the internal components and the hinge stile.

FIBERGLASS SKIN: 0.075" MIN. THK.
FOAM CORE: POLYURETHANE - 1.9 PCF MIN.)



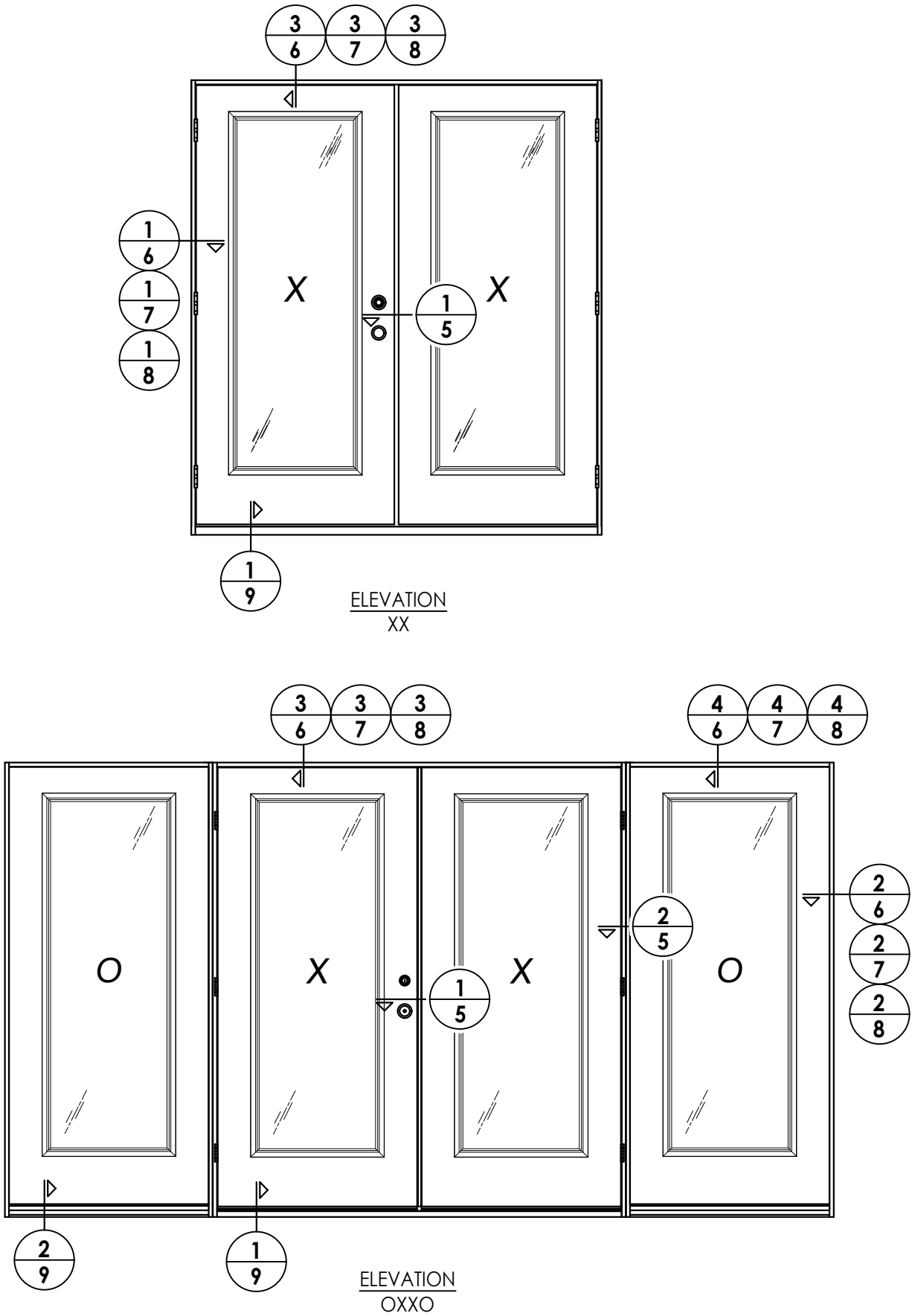
2 VERTICAL CROSS SECTION

[illegible]

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

R^gW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 98113

Z:\2023 FBC Drawings\TKI Products\TKI Products\FL-42433\FL-42433.6.dwg

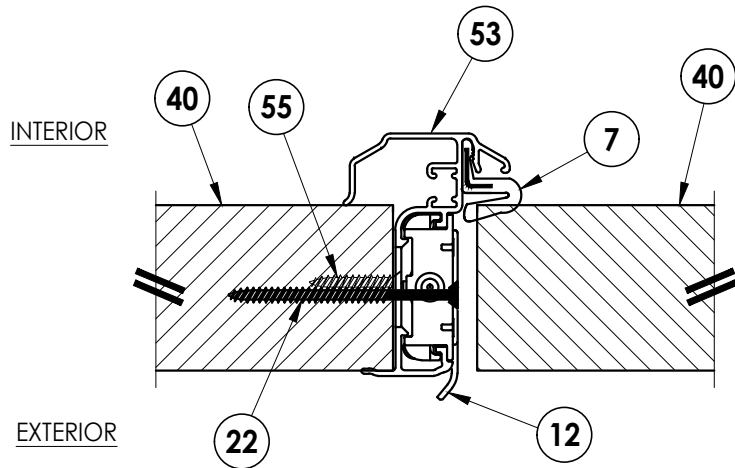


DATE: 9/25/23
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-42433.6
SHEET 4 OF 13

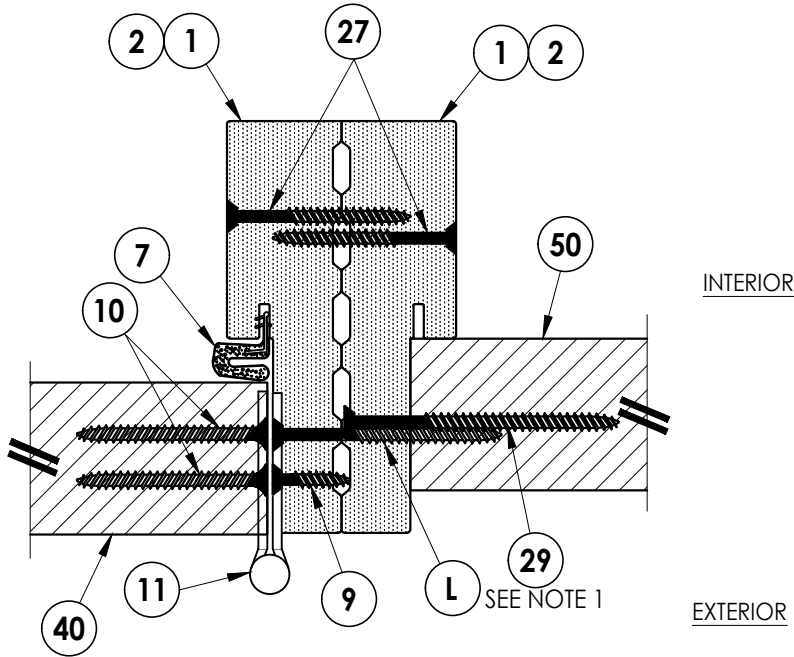
PRODUCT:			
TKI PRODUCTS FIBERGLASS DOOR			
PART OR ASSEMBLY:			
ELEVATIONS			
NO.	DATE	REVISIONS	
		BY	

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

Z:\2023 FBC Drawings\TKI Products\TKI-42433\FL-42433.6.dwg



1 **HORIZONTAL CROSS SECTION**
5 Outswing shown (Inswing similar)



2 **HORIZONTAL CROSS SECTION**
5 Outswing shown (Inswing similar)

Notes:
1. Sidelite assembly screws located 10" from each end and 4 more screws equally spaced between (6 screws total per side jamb).

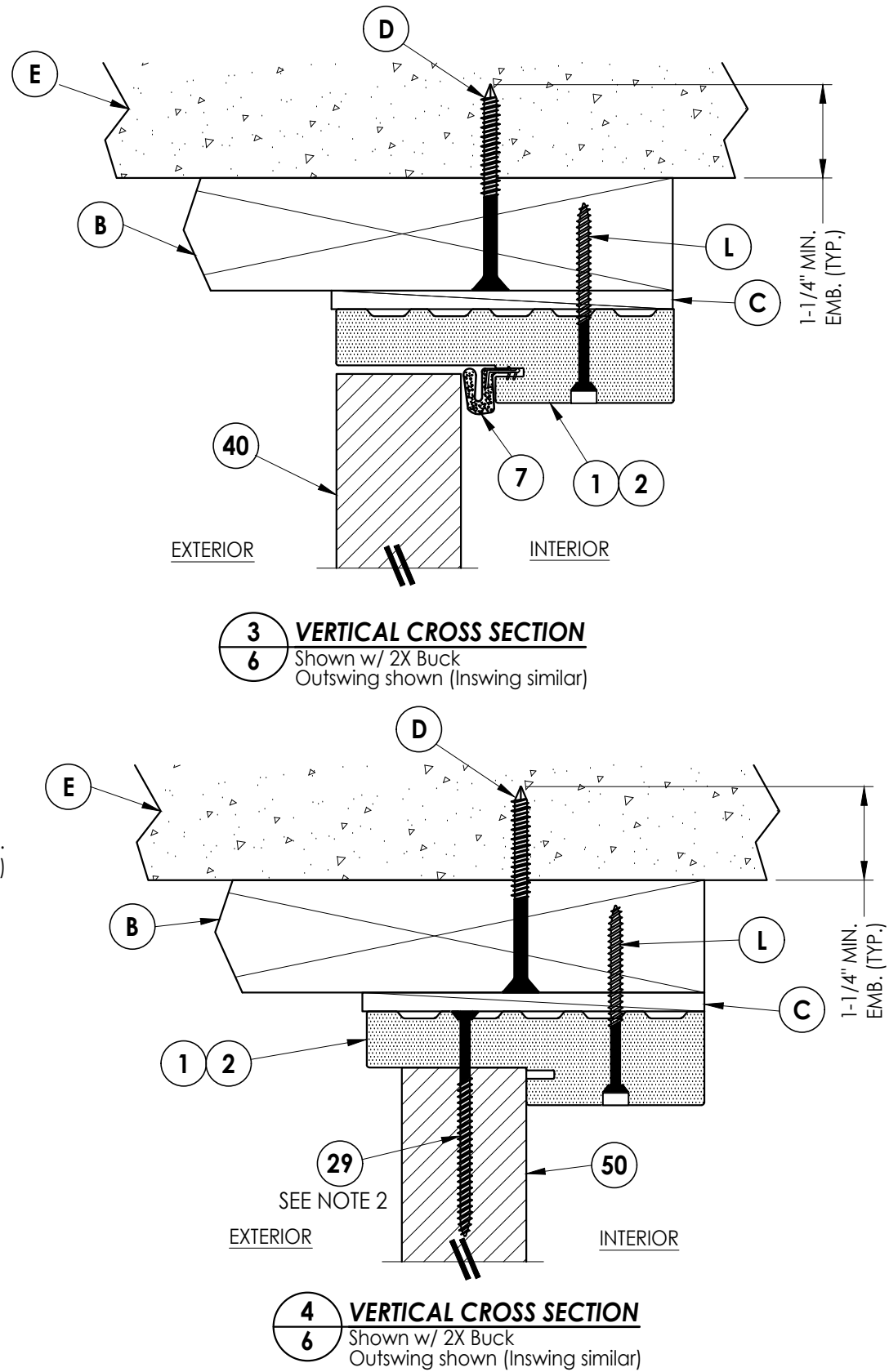
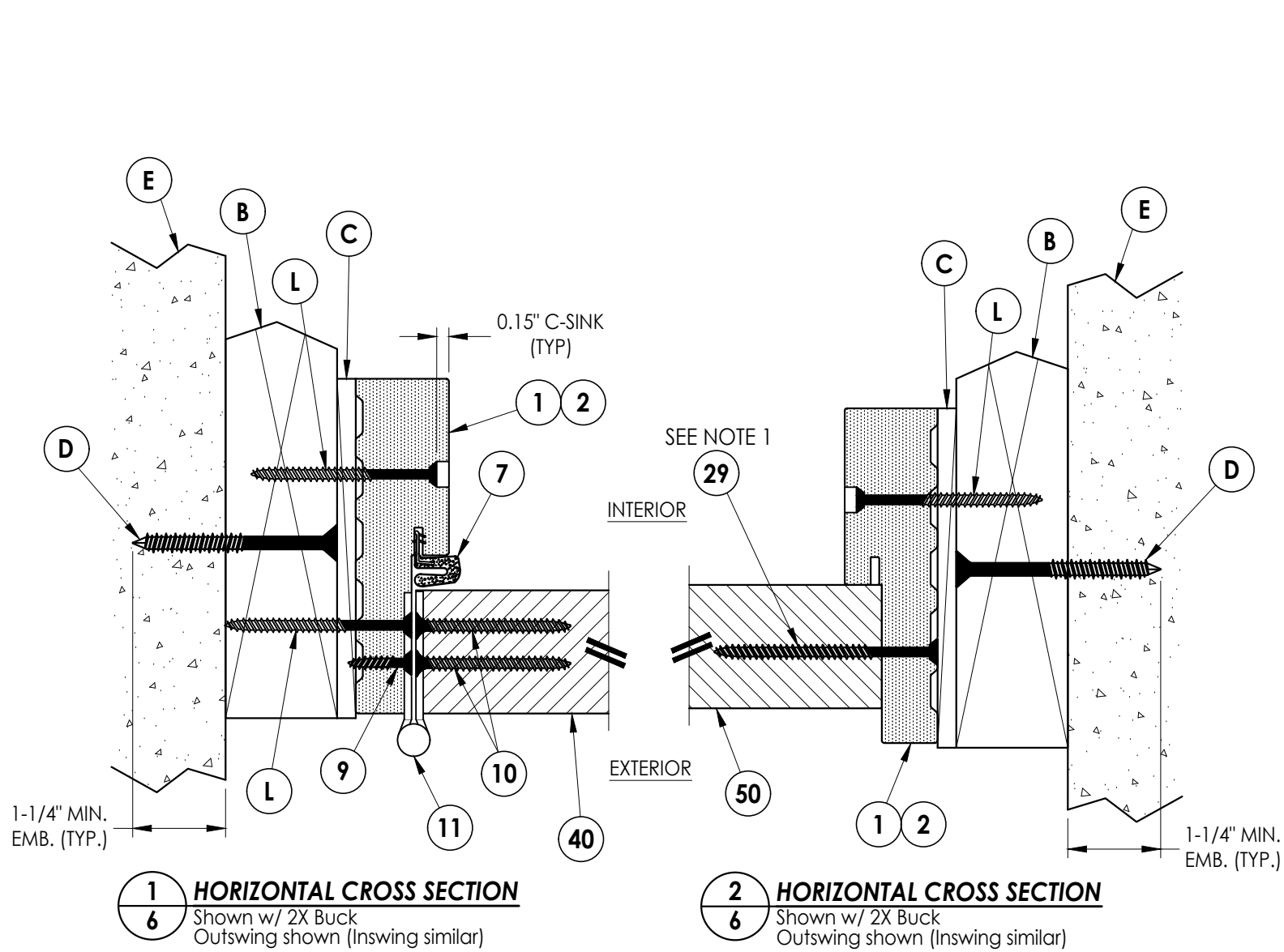
PRODUCT:				TKI PRODUCTS FIBERGLASS DOOR			
PART OR ASSEMBLY:				HORIZONTAL CROSS SECTIONS			
NO.				DATE			
BY				REVISIONS			
DATE:				9/25/23			
SCALE:				N.T.S.			
DWG. BY:				RW			
CHK. BY:				LFS			
DRAWING NO.:				FL-42433.6			
SHEET				5 OF 13			

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

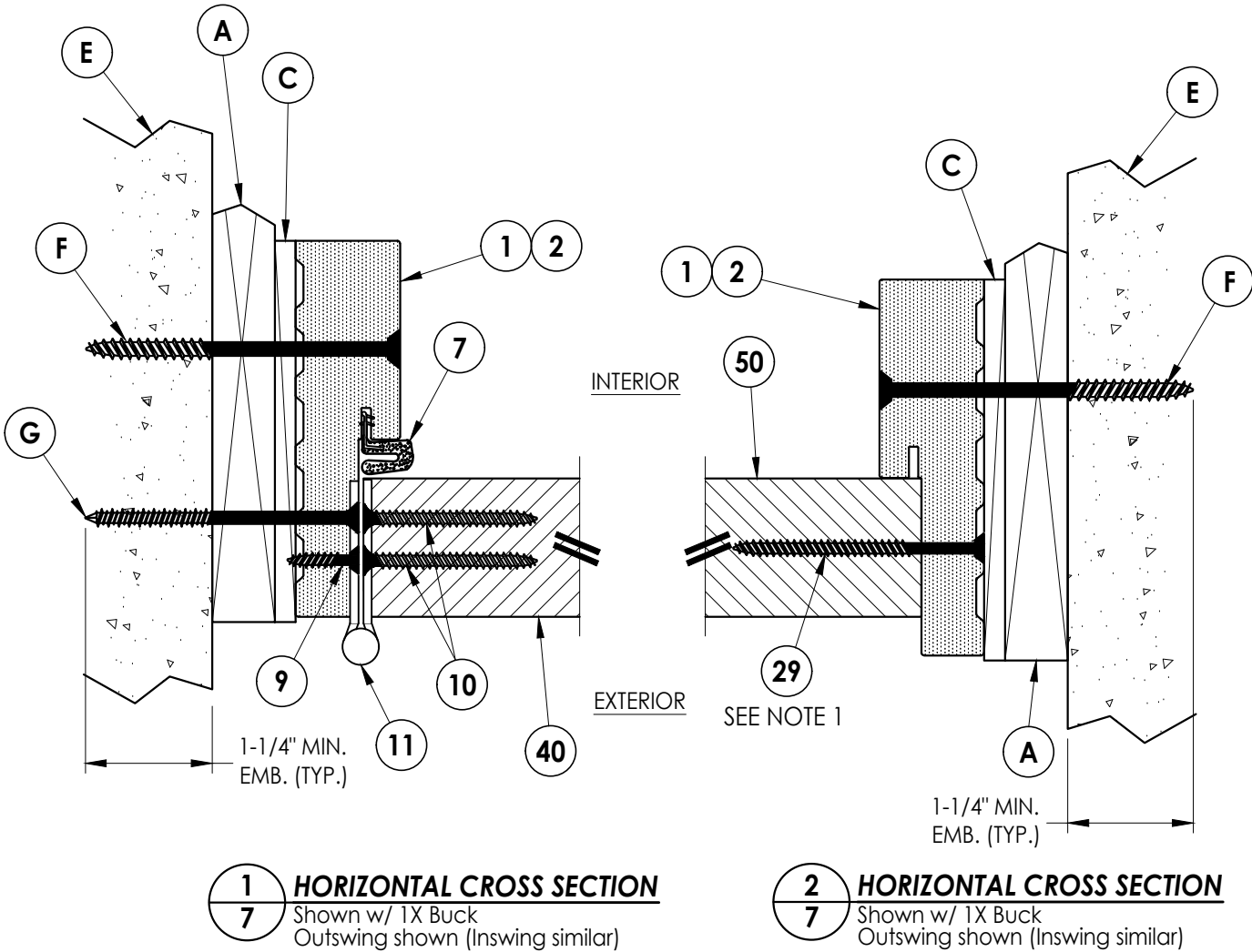
Z:\2023 FBC Drawings\TKI Products\TKI-42433\FL-42433.6.dwg

- Notes:
1. Sidelite assembly screws located 10" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
 2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).



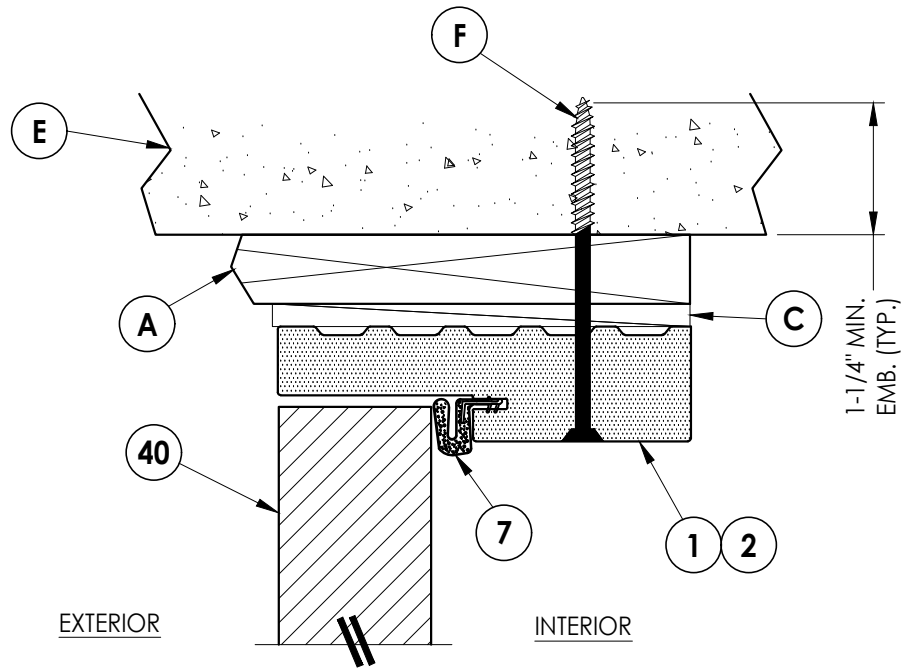
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		TKI PRODUCTS FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
DATE: 9/25/23		NO.		DATE	
SCALE: N.T.S.		BY		REVISIONS	
DWG. BY: RW					
CHK. BY: LFS					
DRAWING NO.: FL-42433.6					
SHEET 6 OF 13					

Z:\2023 FBC Drawings\TKI Products\TKI-42433\FL-42433.6.dwg

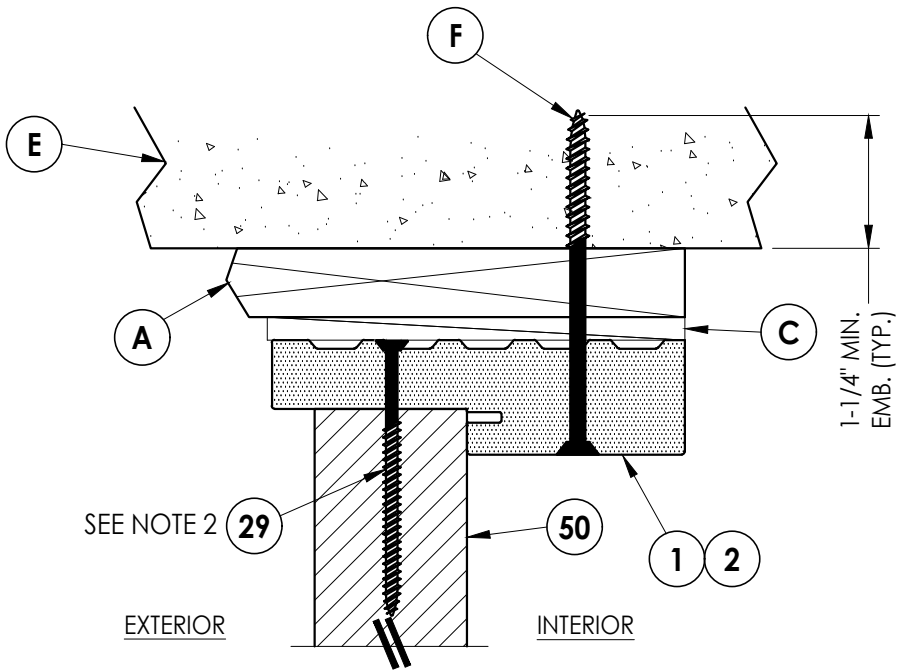


Notes:

1. Sidelite assembly screws located 10" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).



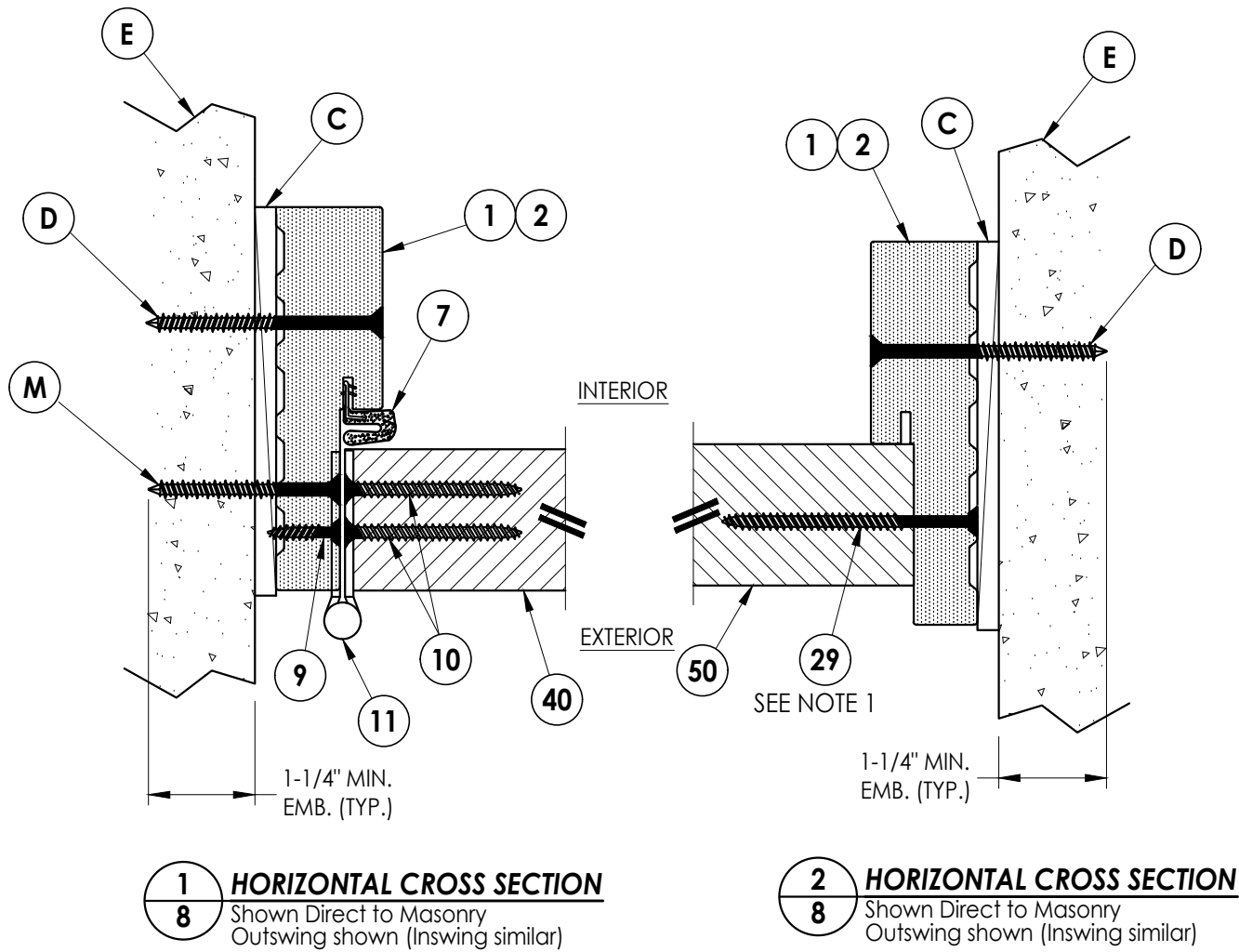
3 VERTICAL CROSS SECTION
Shown w/ 1X Buck
Outswing shown (Inswing similar)



4 VERTICAL CROSS SECTION
Shown w/ 1X Buck
Outswing shown (Inswing similar)

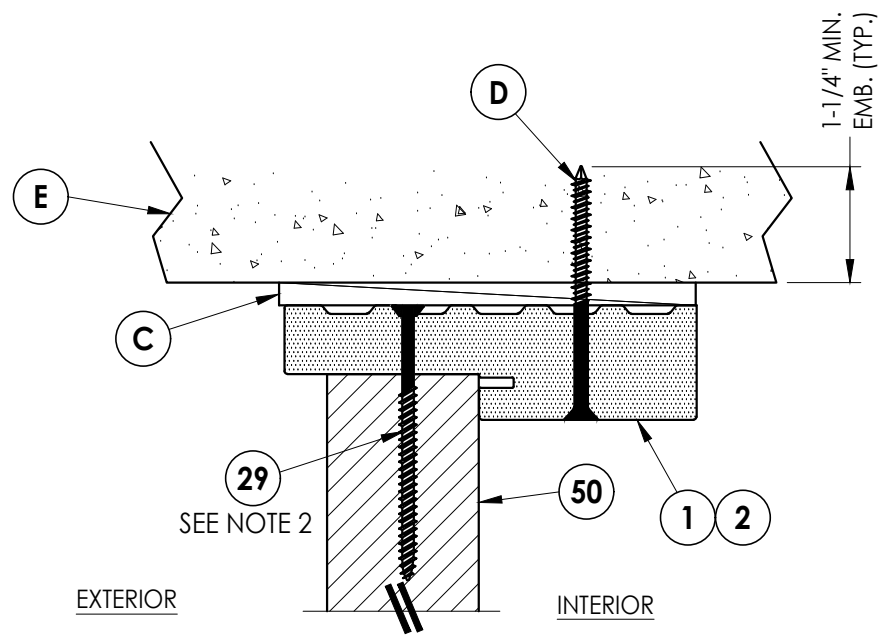
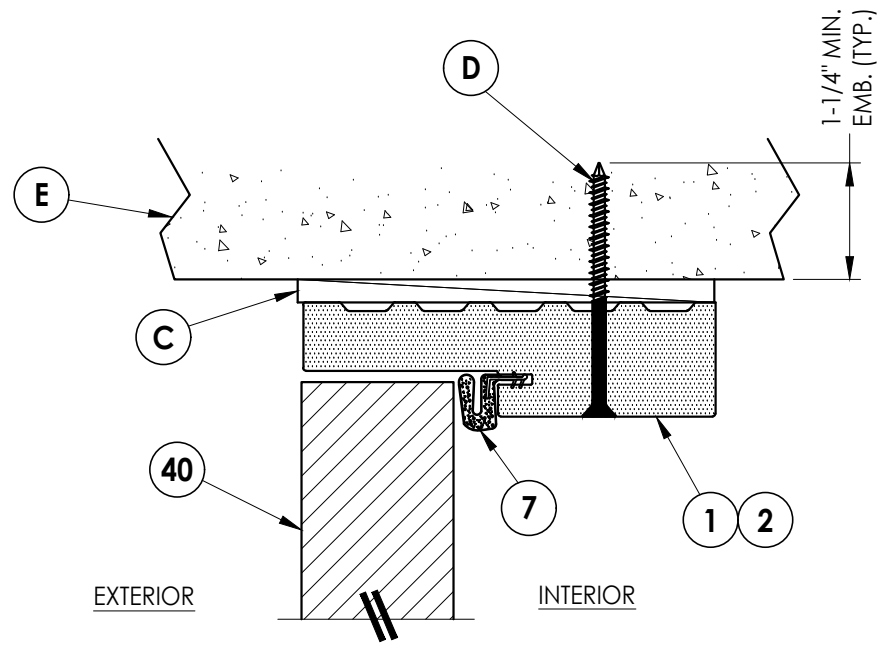
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
TKI PRODUCTS FIBERGLASS DOOR				RW HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)			
PART OR ASSEMBLY:							
		</					

Z:\2023 FBC Drawings\TKI Products\TKI-42433\FL-42433.6.dwg



Notes:

1. Sidelite assembly screws located 10" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).



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

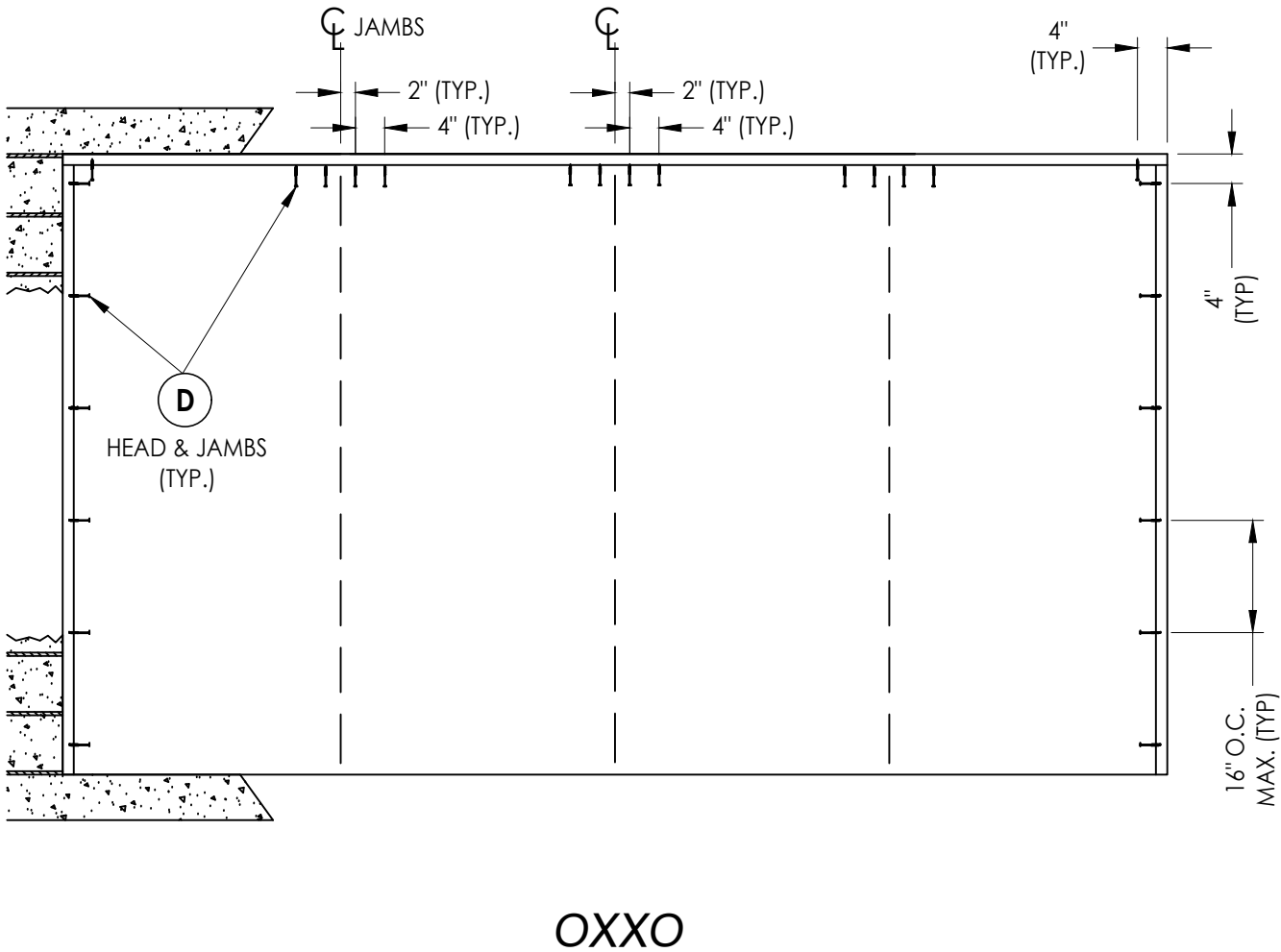
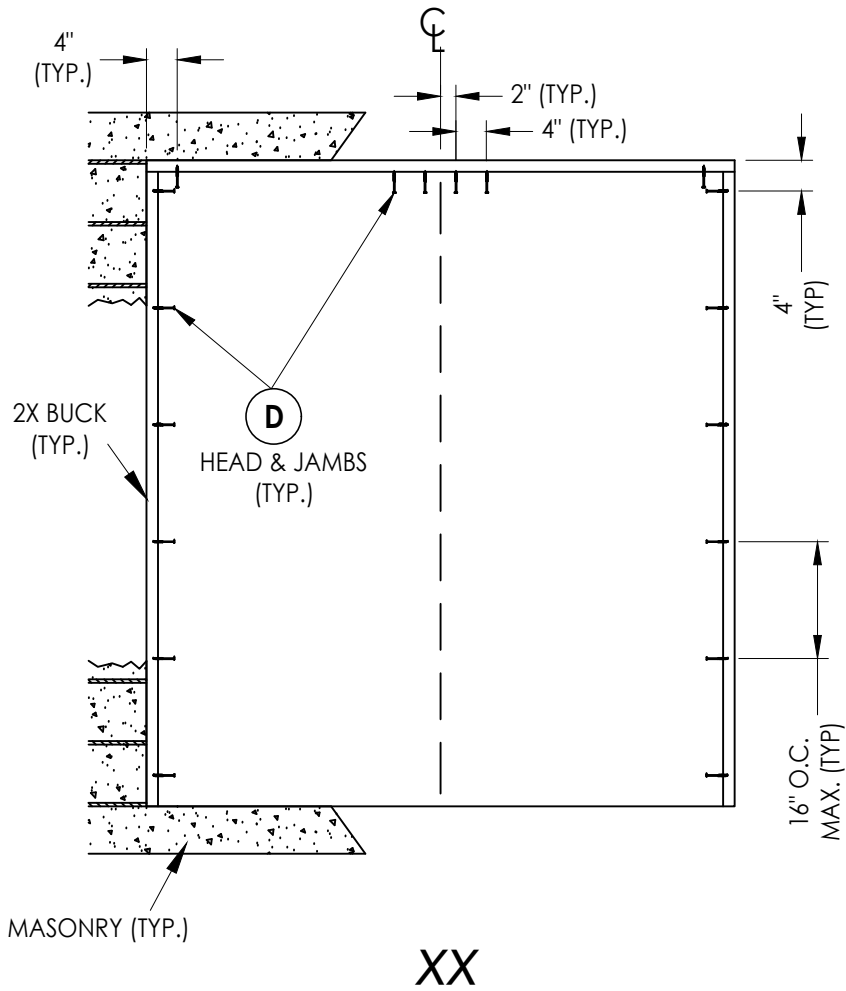
PRODUCT: TKI PRODUCTS
FIBERGLASS DOOR
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL CROSS
SECTIONS (DIRECT TO MASONRY)

REVISIONS		NO.	DATE	BY

DATE: 9/25/23
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-42433.6
SHEET 8 OF 13

1. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).

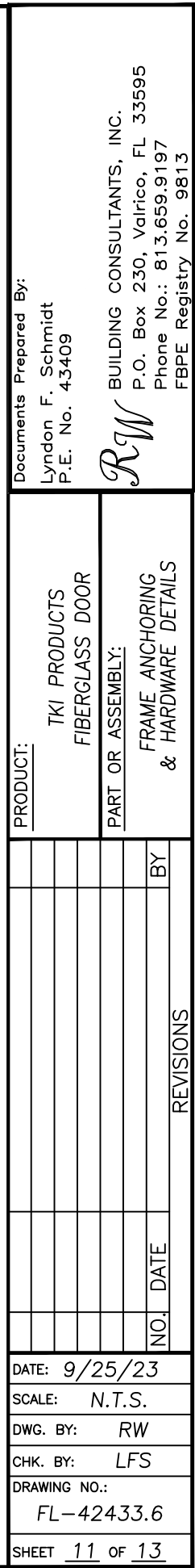
[illegible]

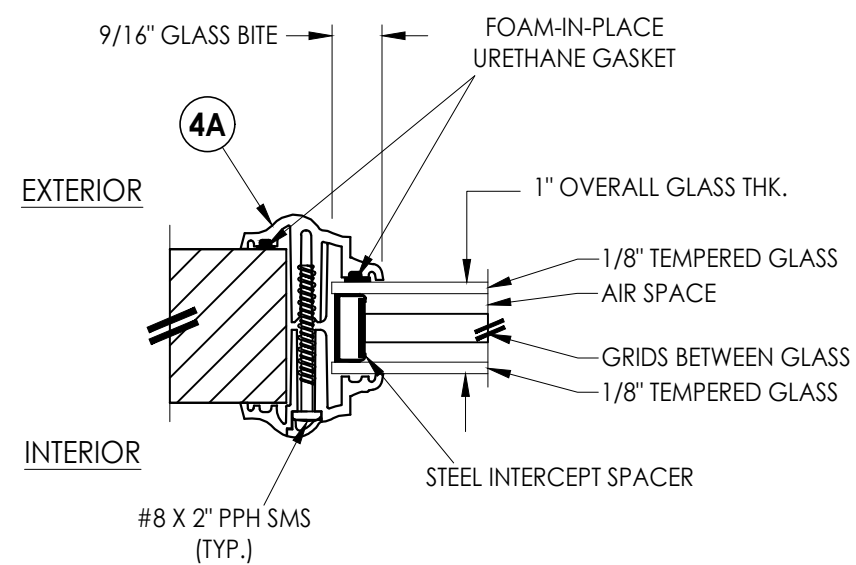
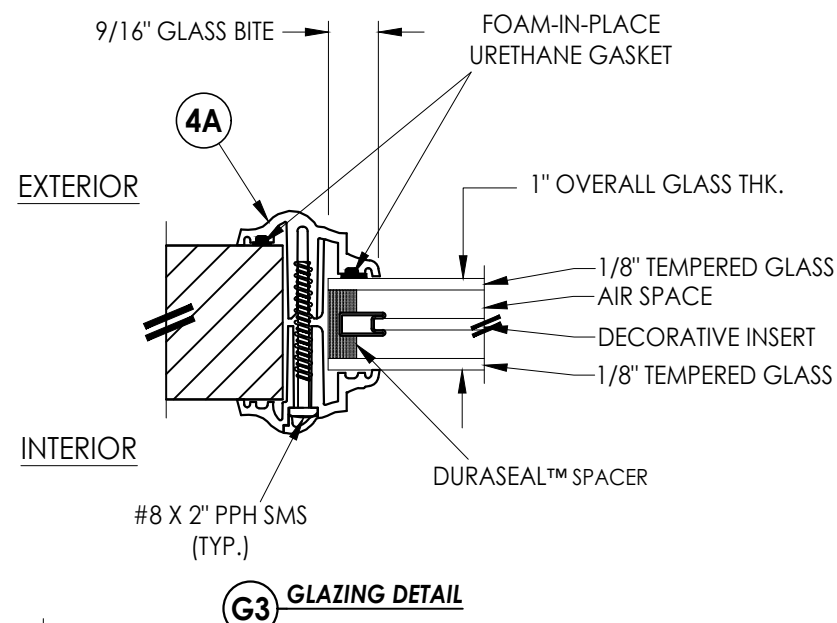
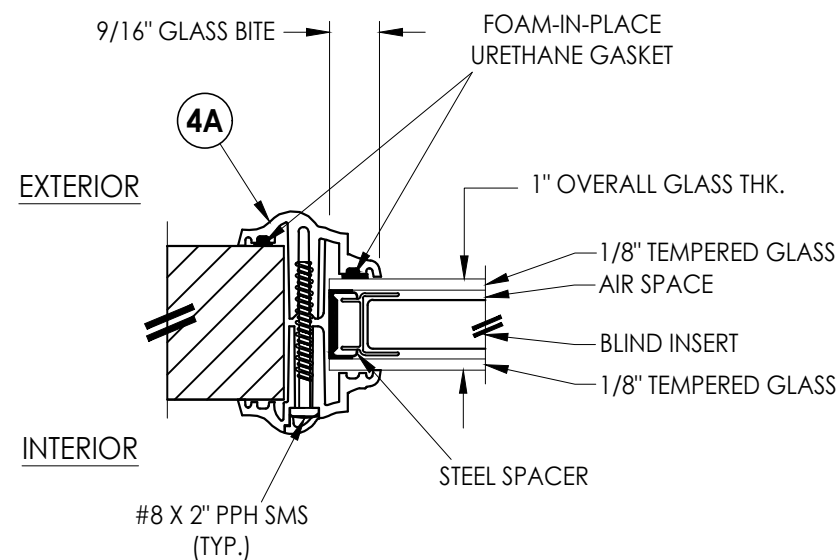
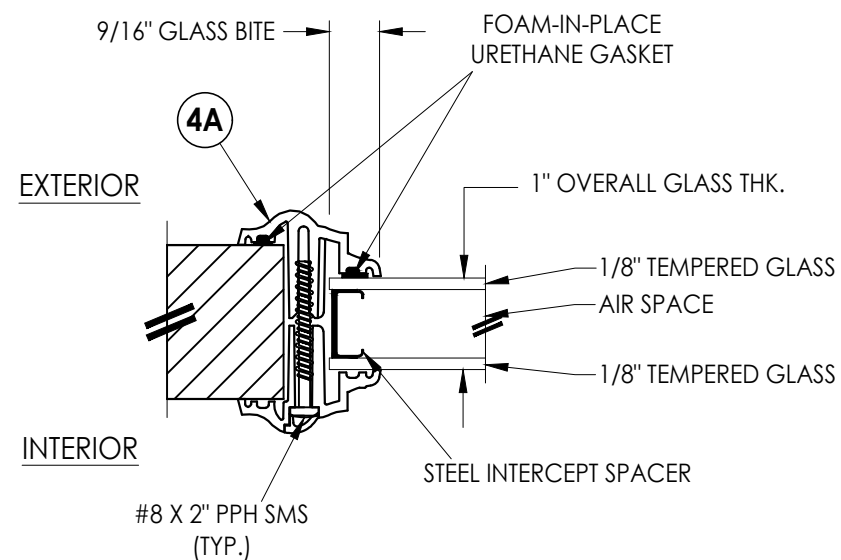
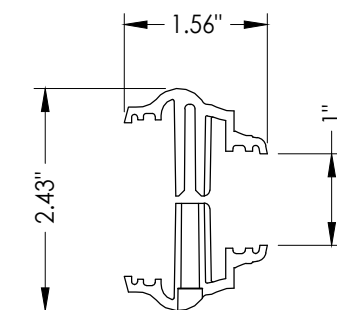
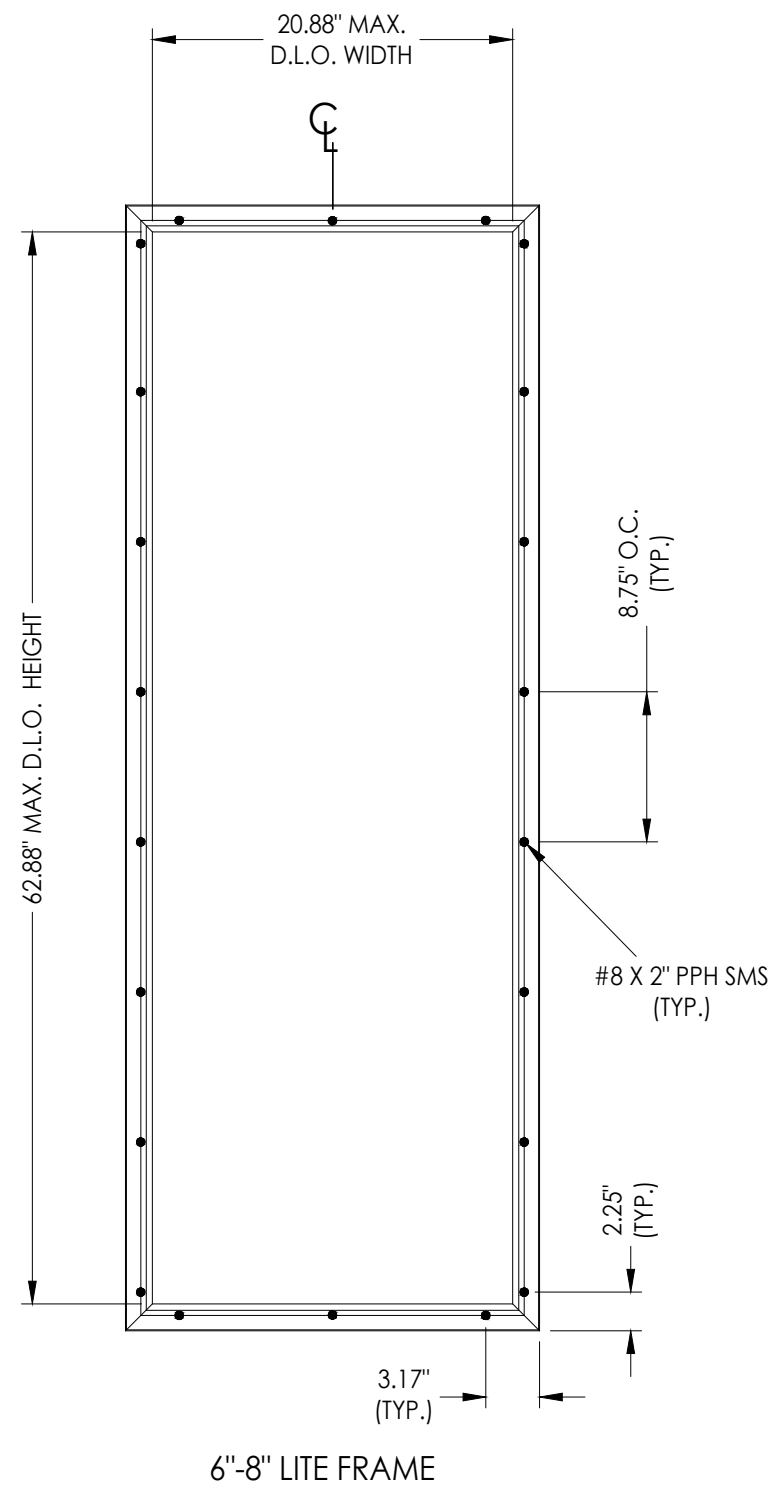


2X BUCK ANCHORING

DATE:	9/25/23		
SCALE:	N.T.S.		
DWG. BY:	RW		
CHK. BY:	LFS		
DRAWING NO.:	FL-42433.6		
SHEET	10	OF	13

Z:\2023 FBC Drawings\IKI Products\FL-42433\FL-42433.6.dwg





DATE:	9/25/23
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-42433.6
SHEET	12 OF 13

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

RAI BUILDING CONSULTANTS, INC.

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

PRODUCT: TKI PRODUCTS
FIBERGLASS DOOR

PART OR ASSEMBLY:

[illegible]

