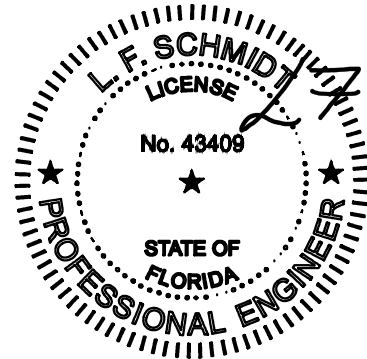


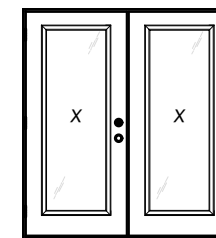
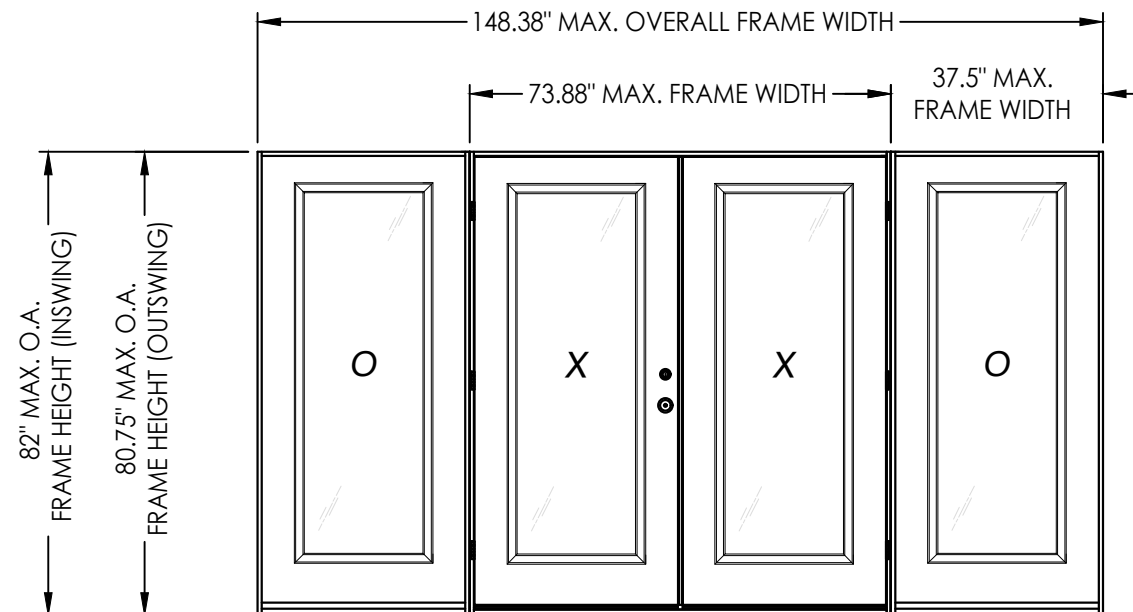


Digitally signed by Lyndon F Schmidt
Date: 2023.09.25 15:23:48 -04'00'

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
"IMPACT"



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"	+50.0	-50.0	+50.0	-50.0

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 excludes 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	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)		

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:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS			
NO.	DATE	BY	

DATE: 9/25/23

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

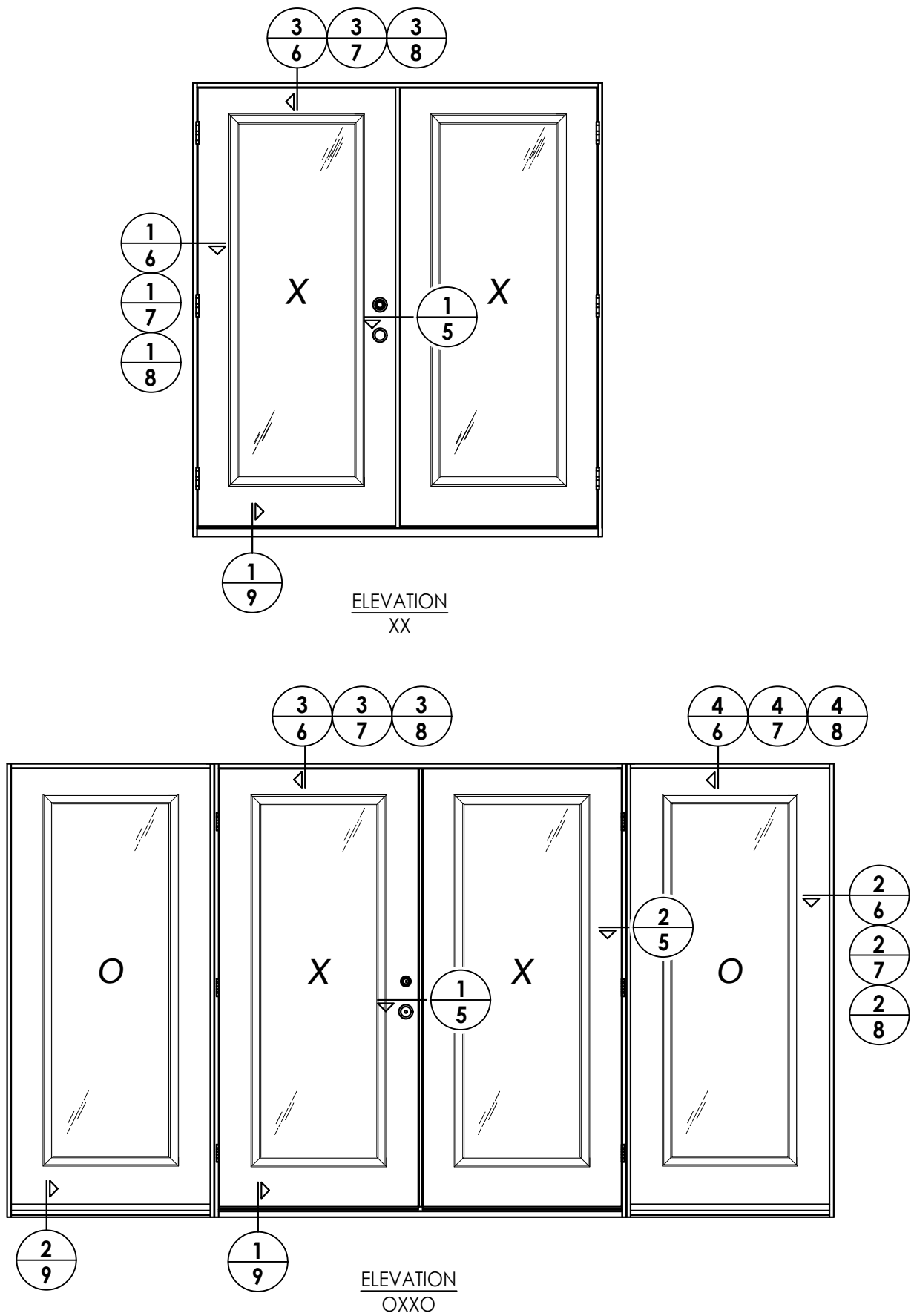
DRAWING NO.:
FL-42434.6

SHEET 1 OF 13



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

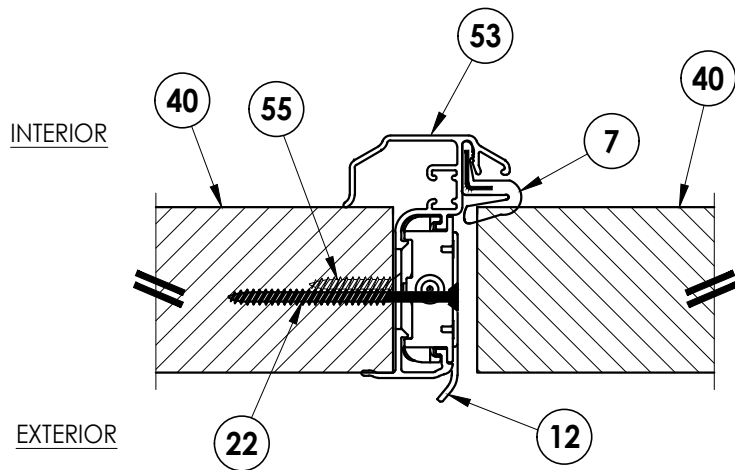


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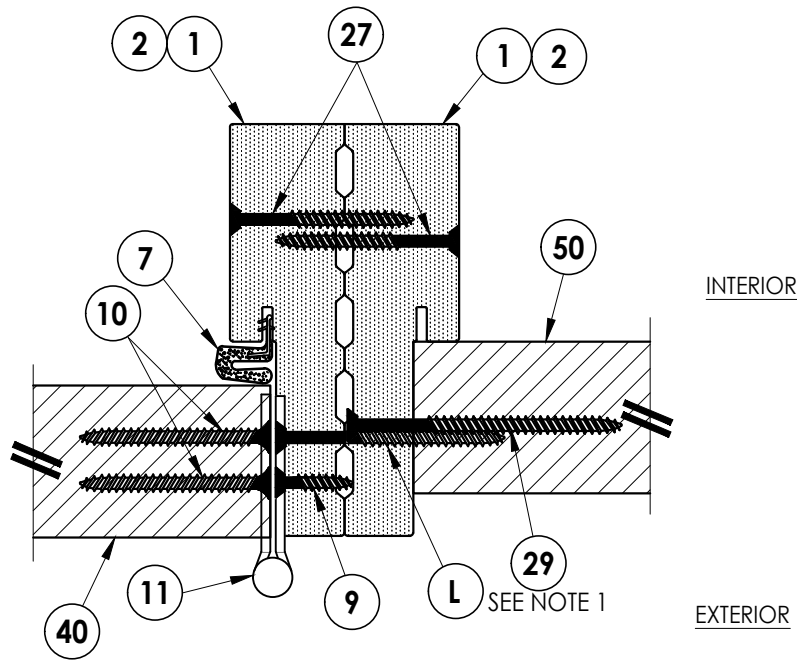
PRODUCT: TKI PRODUCTS
FIBERGLASS DOOR

PART OR ASSEMBLY: ELEVATIONS

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



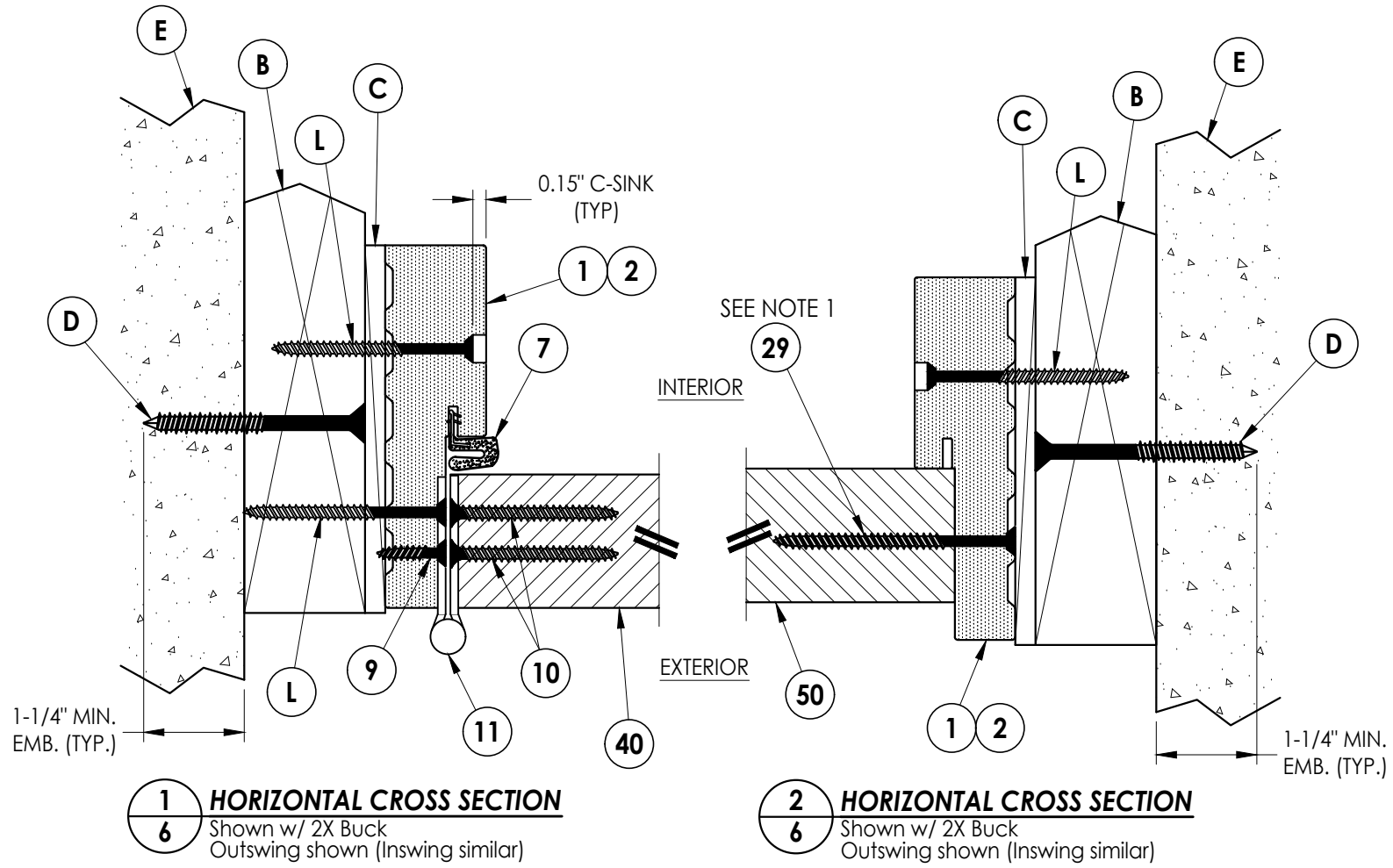
1 **HORIZONTAL CROSS SECTION**
5 Outswing shown (Inswing similar)



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

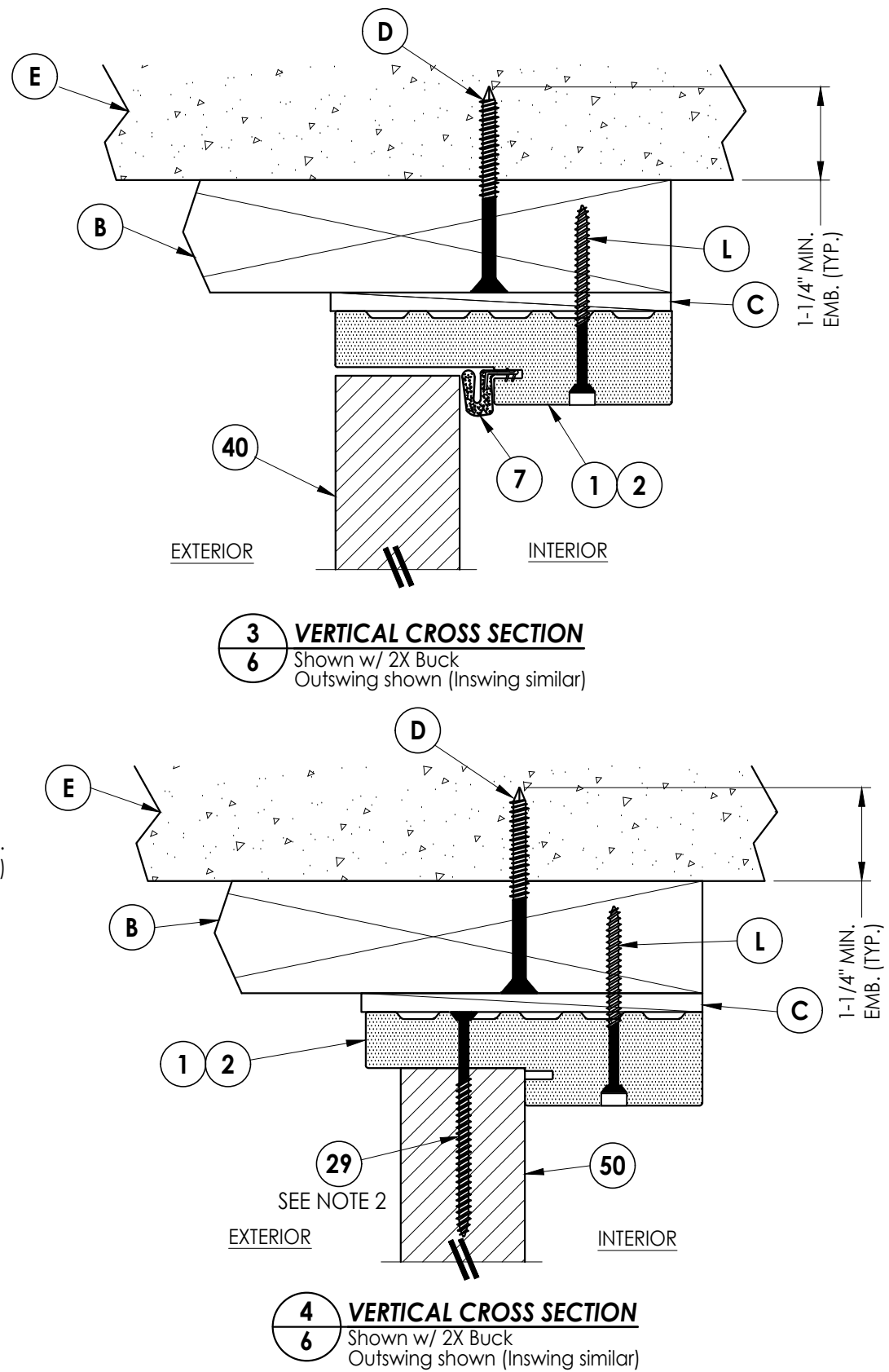
Notes:
1. Sidelite assembly screws located 10" from each end and 4 more screws equally spaced between (6 screws total per side jamb).

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-42434.6				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			



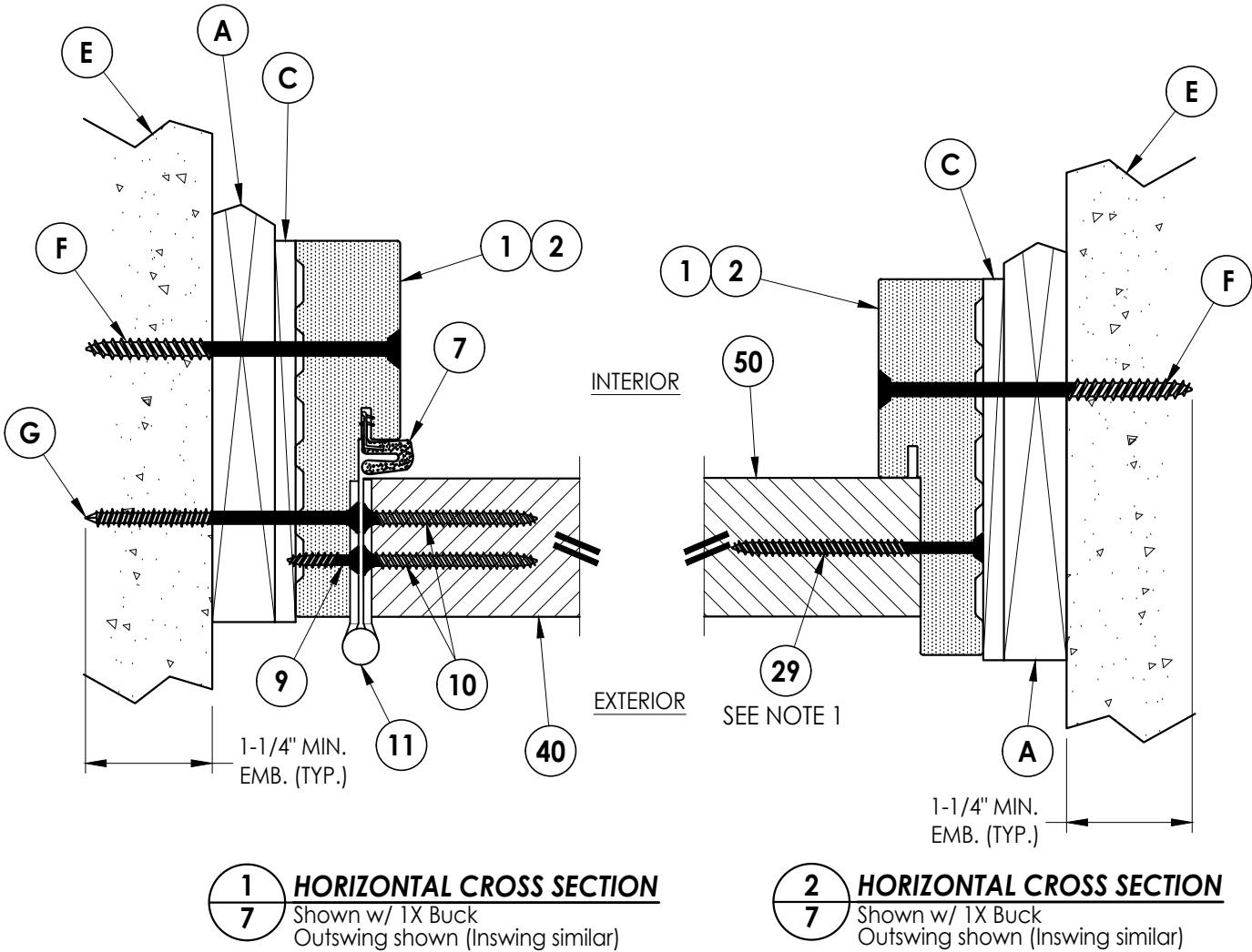
Notes:

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).

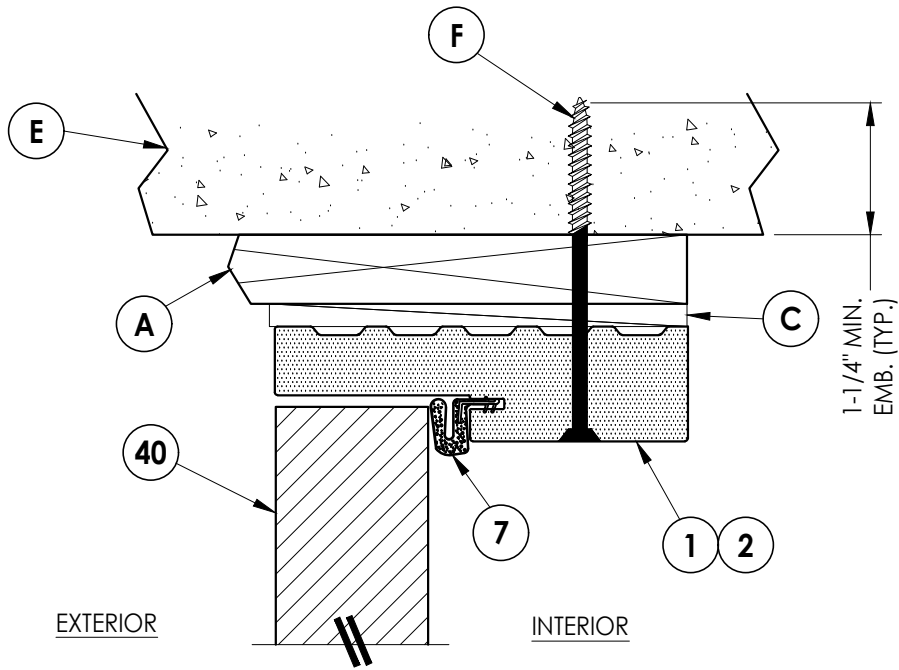


DATE: 9/25/23		REVISIONS	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-42434.6			
SHEET 6 OF 13			
	NO.	DATE	BY
PRODUCT: TKI PRODUCTS FIBERGLASS DOOR			
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409			
<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			

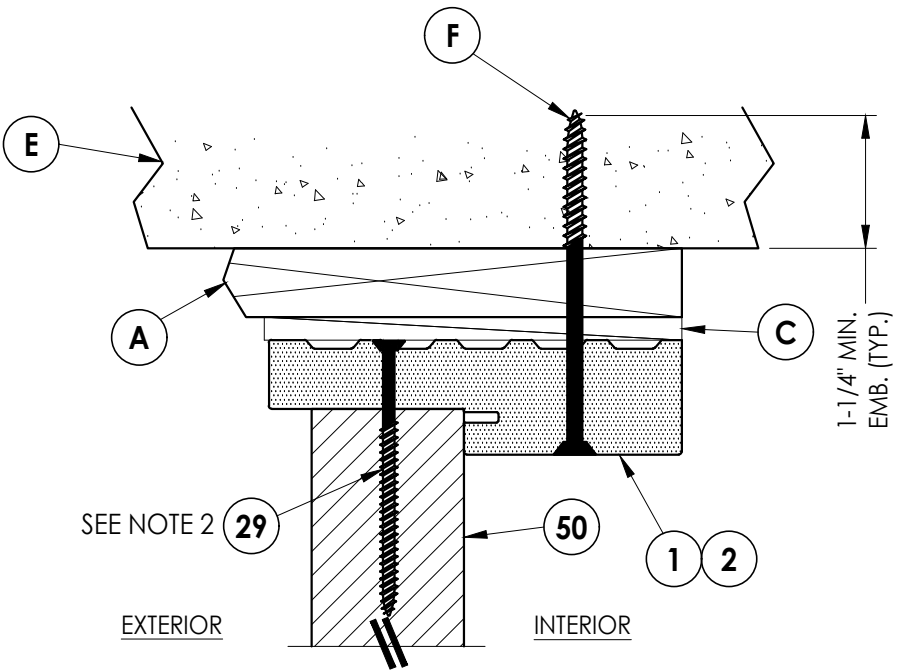
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- Notes:
1. Sidelite assembly screws located 10" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
 2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).



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



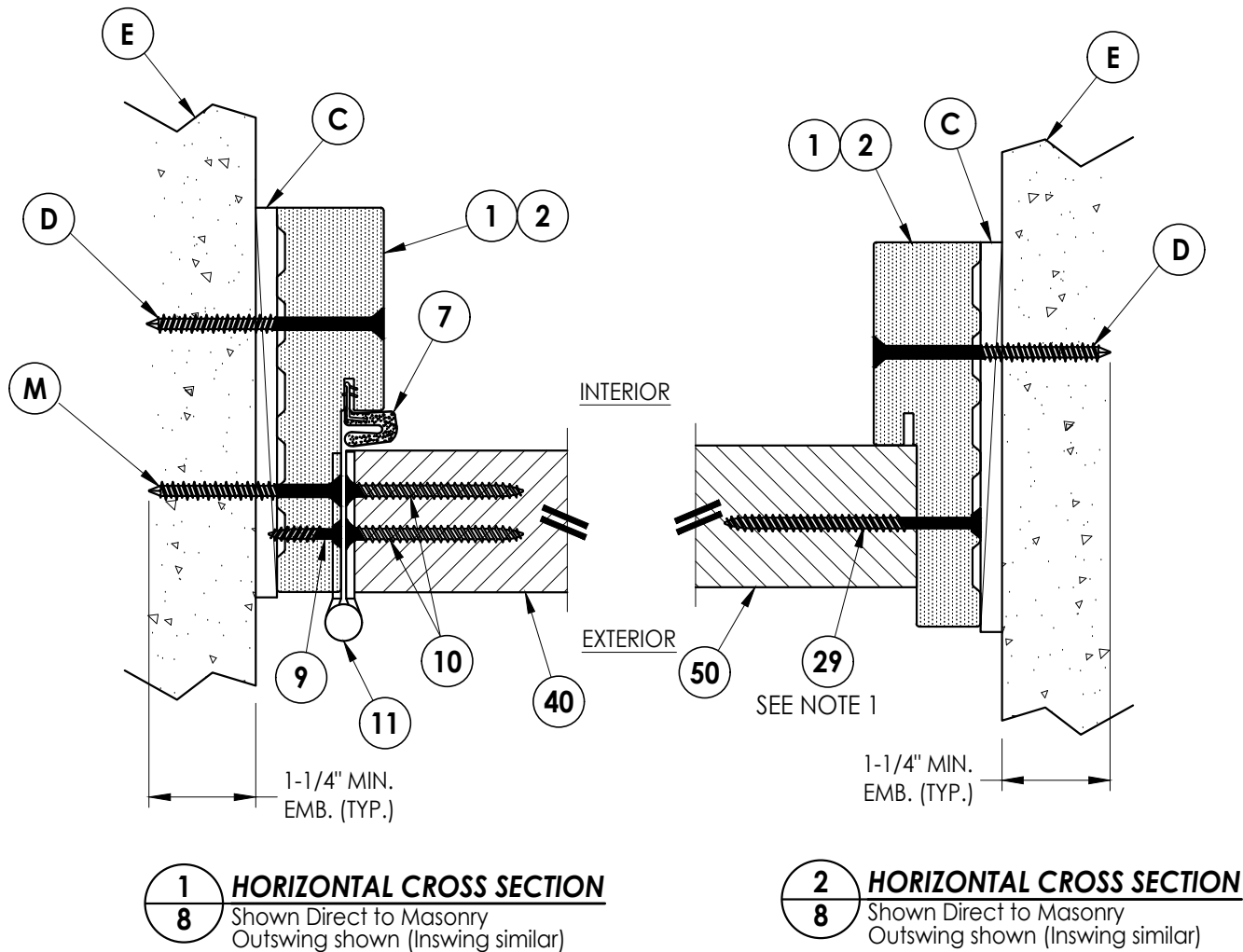
4 VERTICAL CROSS SECTION
Shown w/ 1X Buck
Outswing shown (Inswing similar)

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

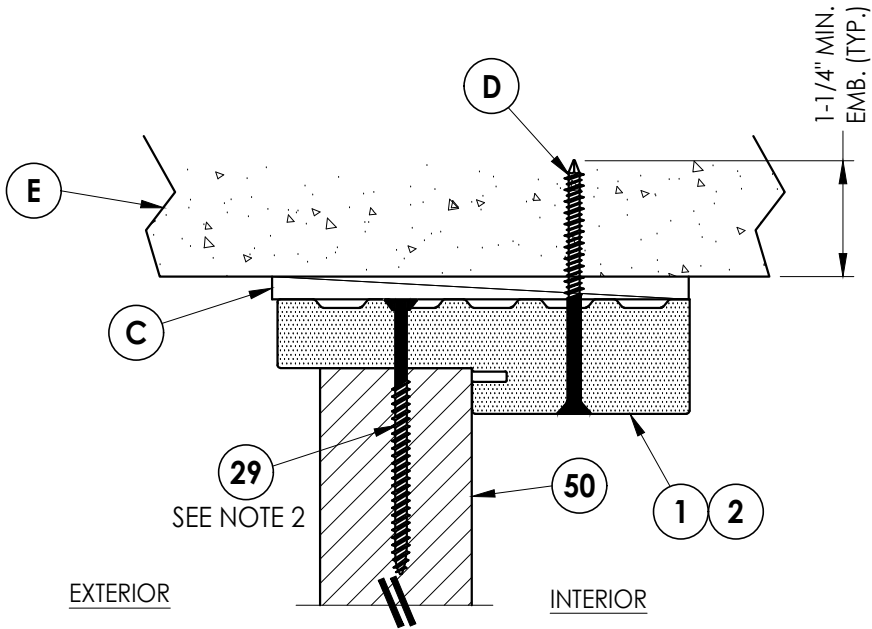
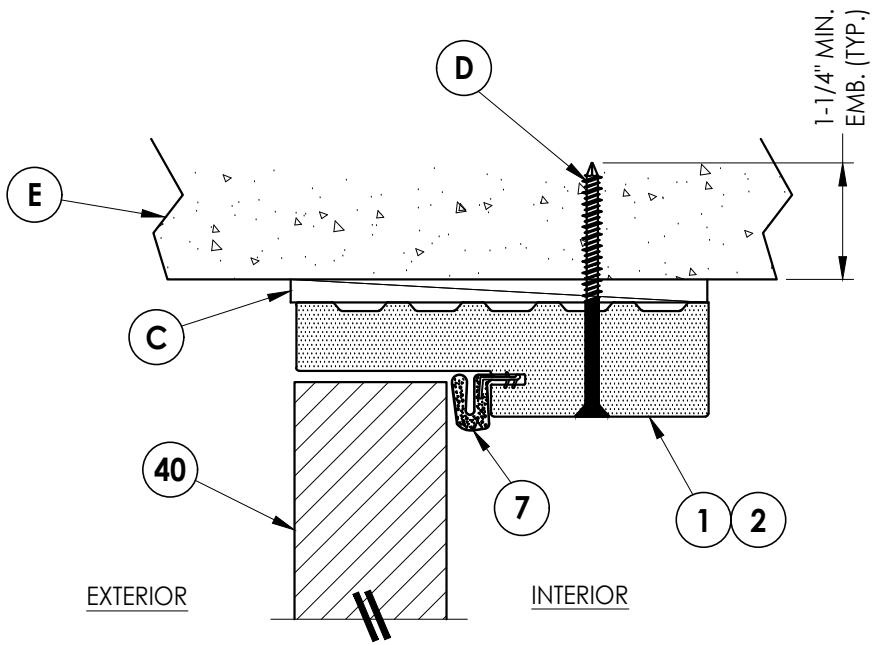
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		TKI PRODUCTS FIBERGLASS DOOR		PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
	</						

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

NO.	DATE	REVISIONS	BY

DATE: 9/25/23

SCALE: N.T.S.

DWG. BY: RW

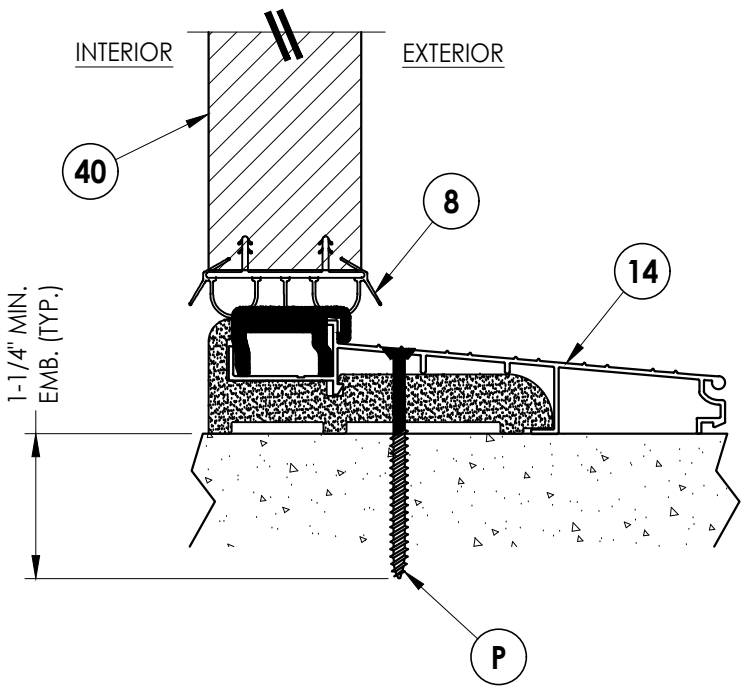
CHK. BY: LFS

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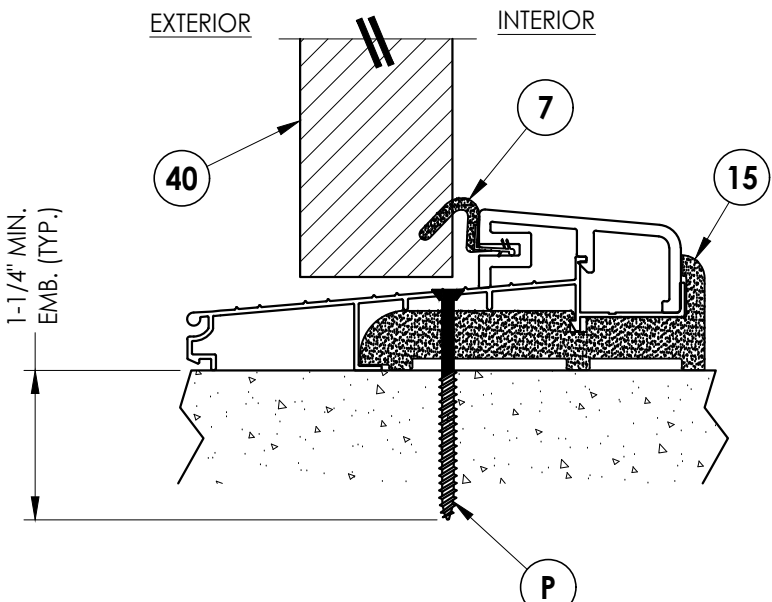
FL-42434.6

SHEET 8 OF 13

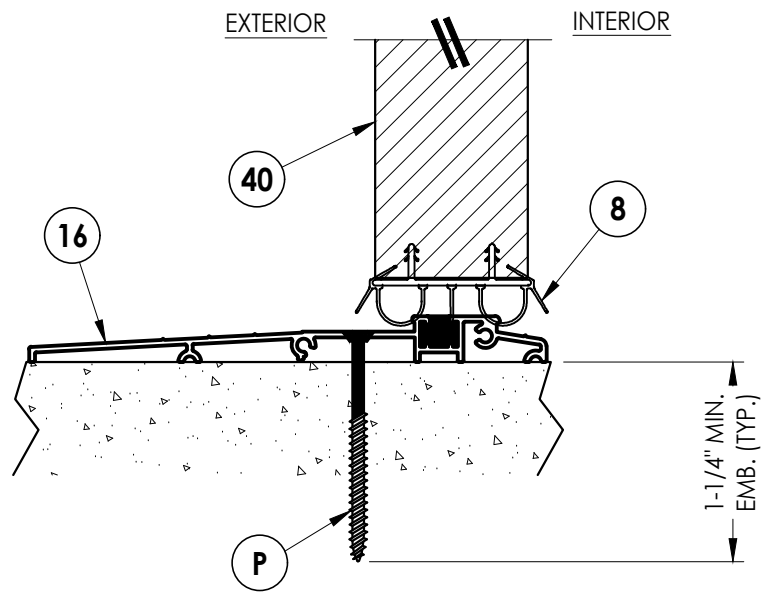
Notes:
1. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).



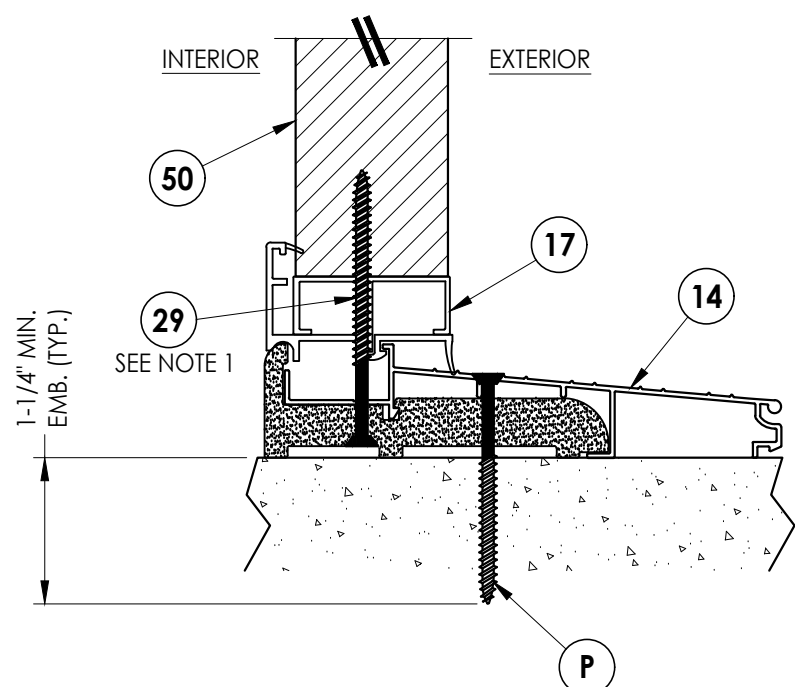
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9 VERTICAL CROSS SECTION
Inswing Threshold



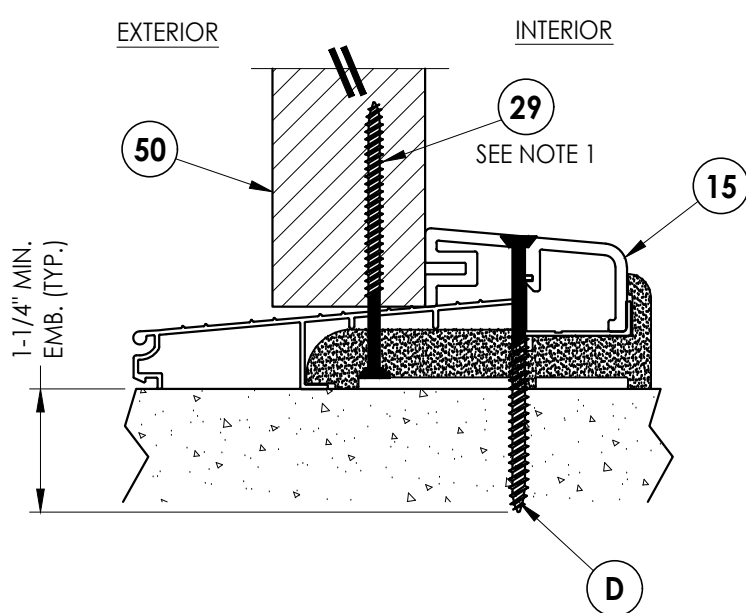
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9 VERTICAL CROSS SECTION
Outswing Threshold



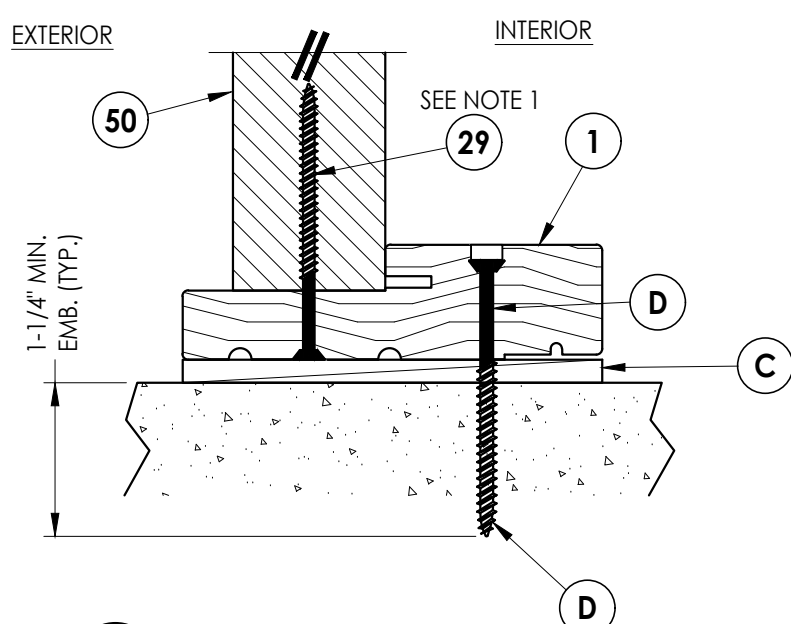
3
9 VERTICAL CROSS SECTION
ADA Threshold



4
9 VERTICAL CROSS SECTION
Inswing Threshold



5
9 VERTICAL CROSS SECTION
Outswing Threshold



6
9 VERTICAL CROSS SECTION

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

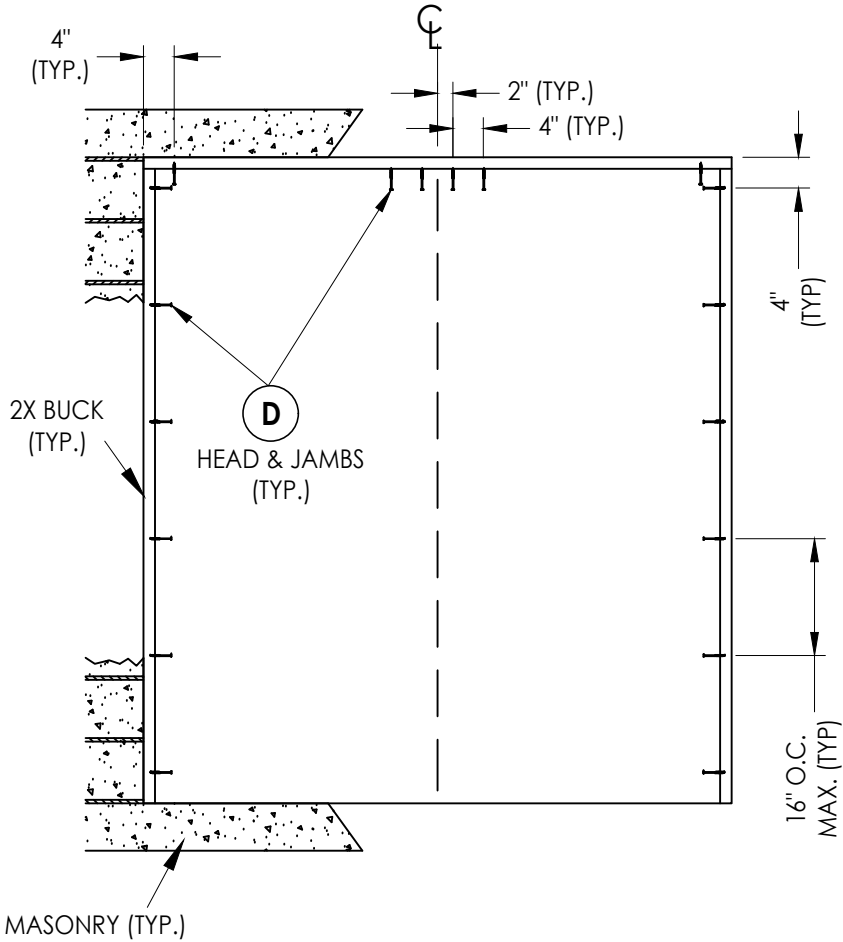
PRODUCT:
TKI PRODUCTS
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

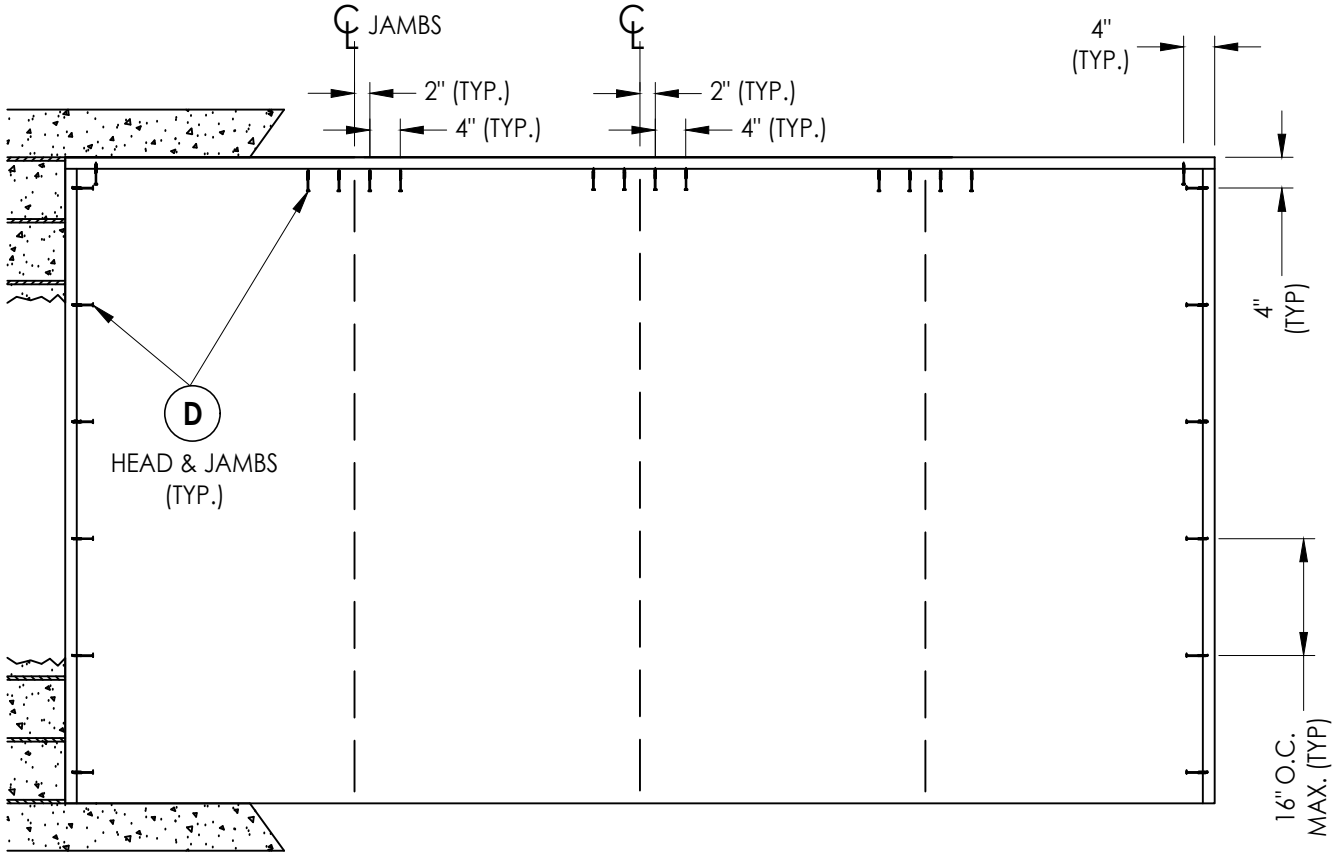
REVISIONS	
NO.	DATE

DATE: 9/25/23
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-42434.6
SHEET 9 OF 13

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XX

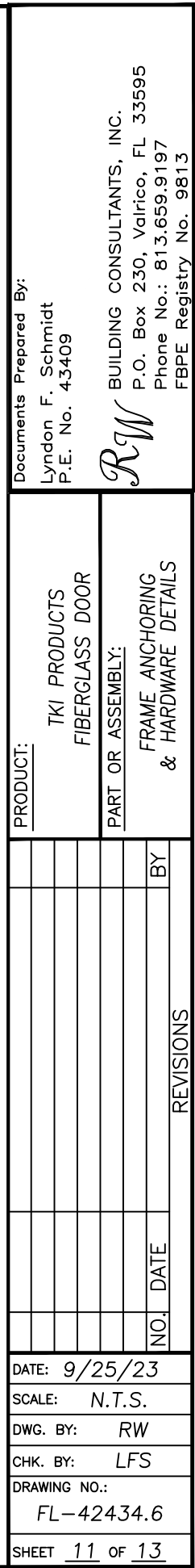


OXXO

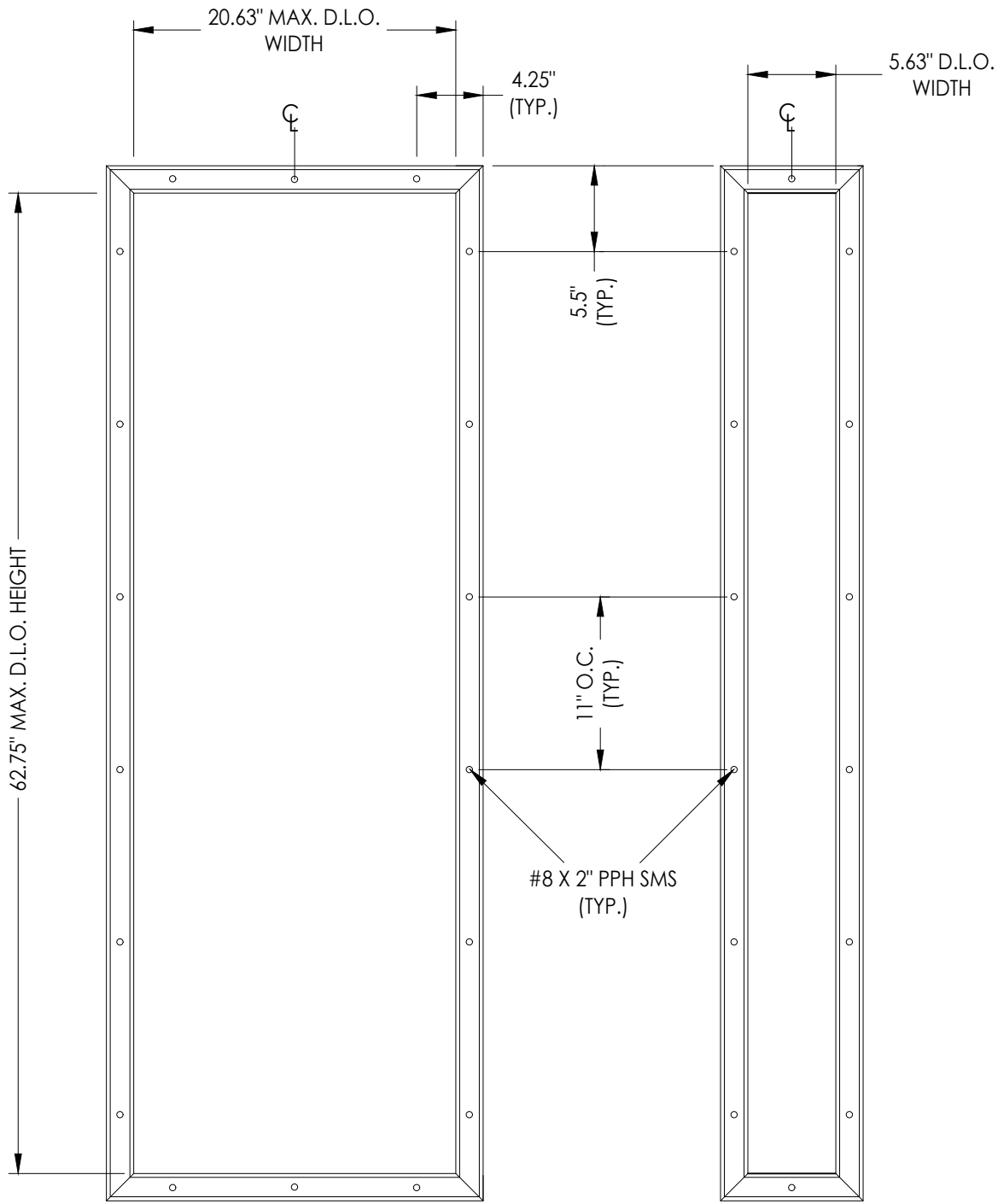
2X BUCK ANCHORING

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				BUCK ANCHORING			
PART OR ASSEMBLY:				BY			

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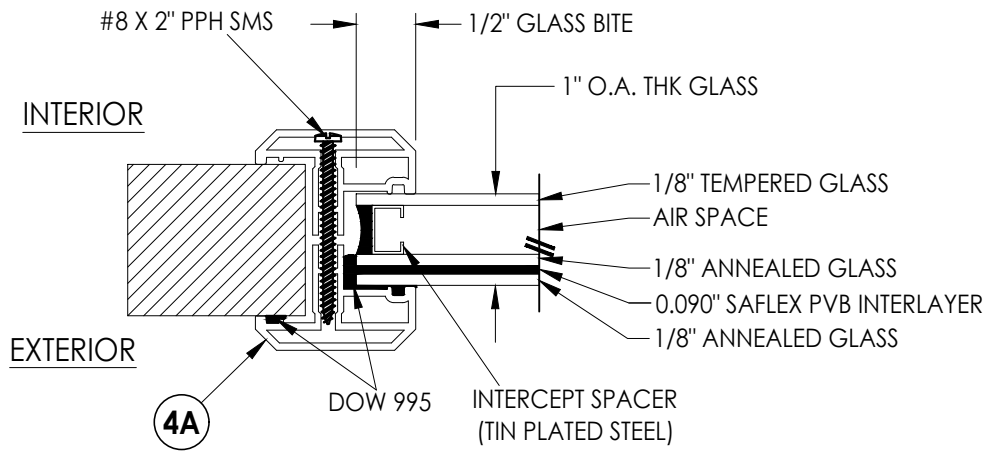


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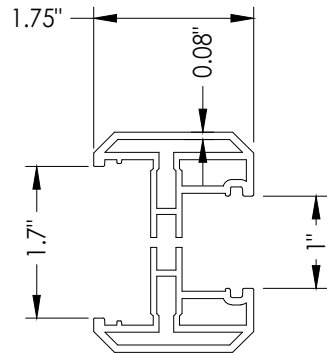


6'-8" LITE FRAME
ALUM. (6063-T5)

6'-8" LITE FRAME
ALUM. (6063-T5)



G1 GLAZING DETAIL



4A ALUMINUM LITE FRAME
ODL

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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:
TKI PRODUCTS
FIBERGLASS DOOR

PART OR ASSEMBLY:
LITE FRAME &
GLAZING DETAILS

NO.	DATE	REVISIONS	BY

DATE: 9/25/23

SCALE: N.T.S.

DWG. BY: RW

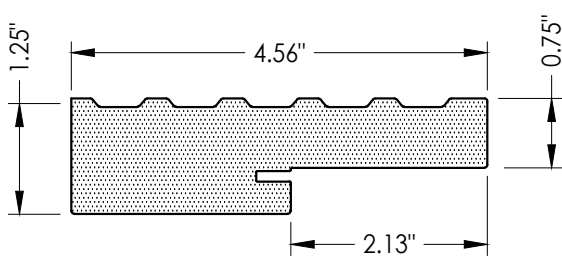
CHK. BY: LFS

DRAWING NO.:
FL-42434.6

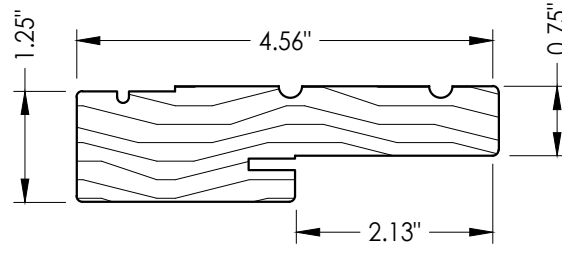
SHEET 12 OF 13

Z:\2023 FBC Drawings\TKI Products\FL-42434\FL-42434.6.dwg

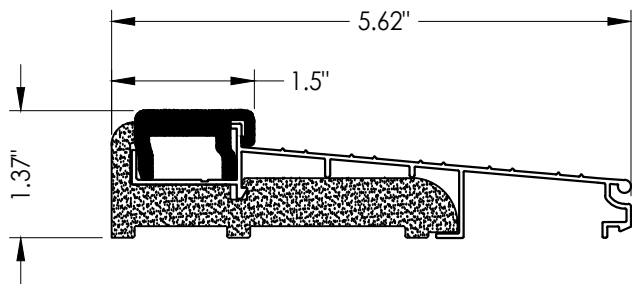
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	#10 X 3" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
P	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	COMPOSITE JAMB	COMP
2	FINGER JOINT PINE JAMB	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	#9 X 3/4" PFH WOOD SCREW	STEEL
10	#7 X 2" PFH DRYWALL SCREW	STEEL
11	4" X 4" HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
16	OUTSWING ADA THRESHOLD	ALUM
17	OUTSWING SIDELITE ADAPTER	PVC
22	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	#10 X 2" PFH SMS	STEEL
29	#10 X 3" FH COMPOSITE DECK SCREW	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-
53	ALUMINUM ASTRAGAL	ALUM
54	ASTRAGAL STRIKE PLATE	STEEL
55	#8 X 1" PFH WS	STEEL



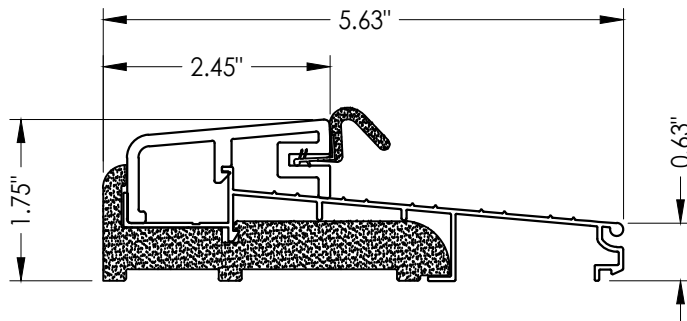
1 **COMPOSITE JAMB**
SURE JAMB (HM SUREROCK)



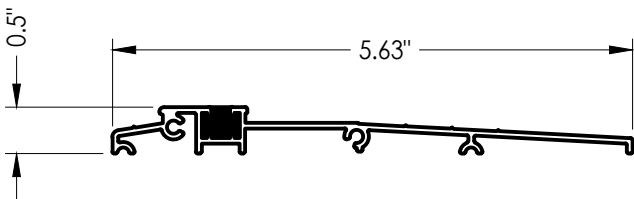
2 **FINGER JOINT PINE JAMB**



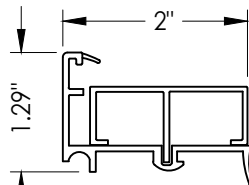
14 **INSWING THRESHOLD**
AFCO IXO



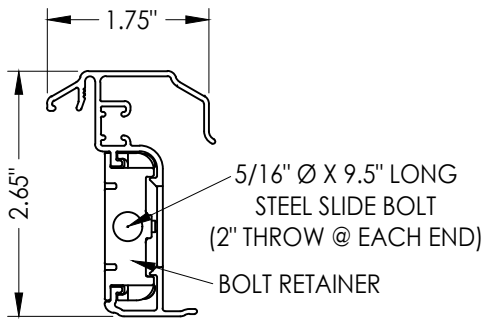
15 **OUTSWING THRESHOLD**
AFCO IXO



16 **OUTSWING ADA THRESHOLD**
COLUMBIA 486



17 **INSWING SIDELITE ADAPTER**



53 **ENDURA ASTRAGAL**
Ultimate Hurricane

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 BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	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.

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: BILL OF MATERIALS
& COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 9/25/23

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-42434.6

SHEET 13 OF 13