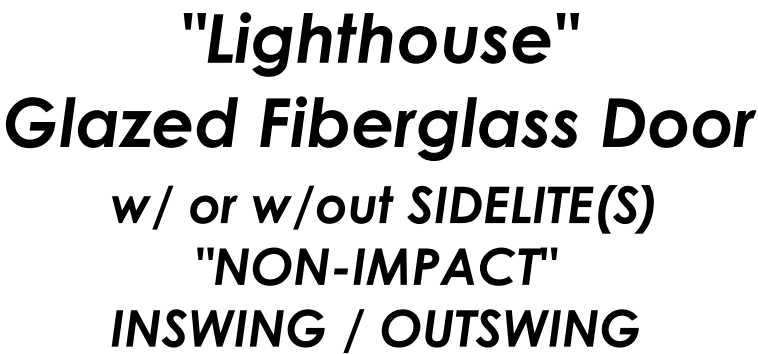




SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Sidelite panel details (Lip Lite Frame)
4	Sidelite panel details (Flush Glazing Frame)
5	Elevations
6	Horizontal & vertical cross sections (2X buck)
7	Horizontal & vertical cross sections (1X buck)
8	Horizontal & vertical cross sections (Direct to Masonry)
9	Horizontal cross sections
10	Vertical cross sections
11	Buck anchoring
12	Frame anchoring
13	Components
14	Bill of materials

CONFIGURATION	FRAME MATERIAL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X, OX, XO, OXO	FJ PINE	+45.0	-55.0	+60.0	-60.0
X, OX, XO, OXO	COMPOSITE	+45.0	-55.0	+50.0	-50.0

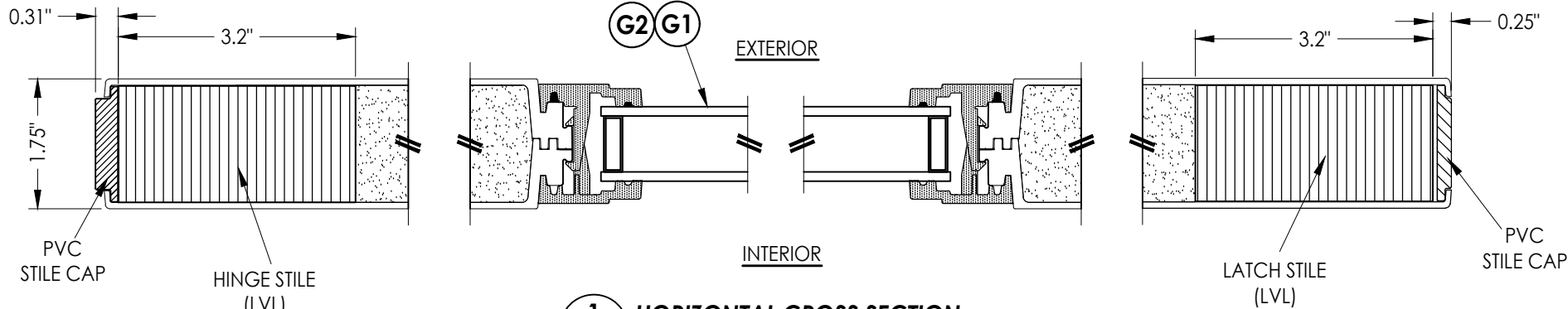
Refer to Sheet 4 for Flush Glazed Sidelite design pressure and frame size limitations.

[illegible]

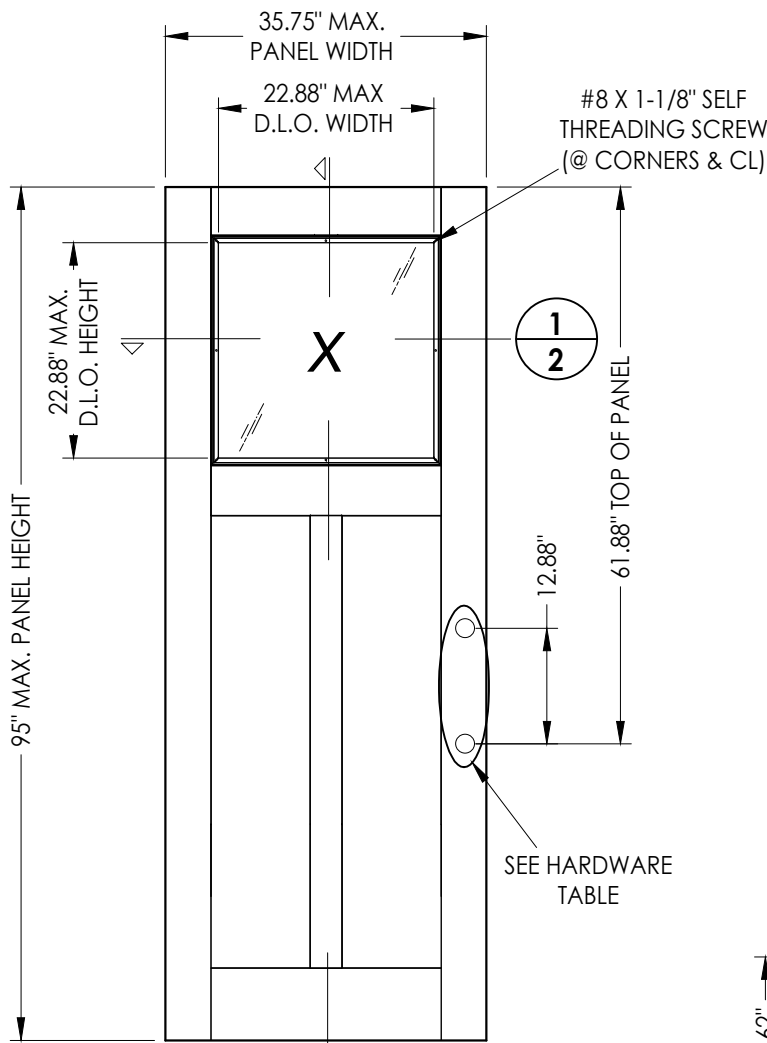
FL-255/5.4

SHEET 1 OF 14

Z:\2023 FBC Drawings\Trinity Glass Int'l\VL-25575 R5\VL-25575 4.dwg

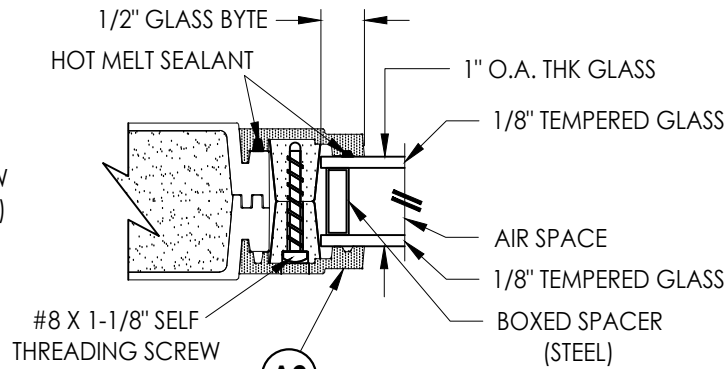


1
2 **HORIZONTAL CROSS SECTION**

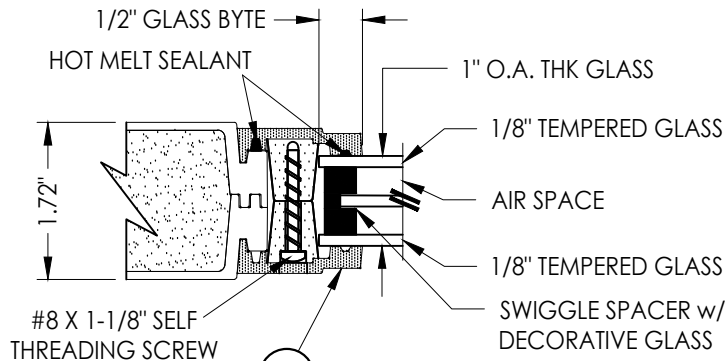


40 **GLAZED DOOR PANEL**
LIGHHOUSE

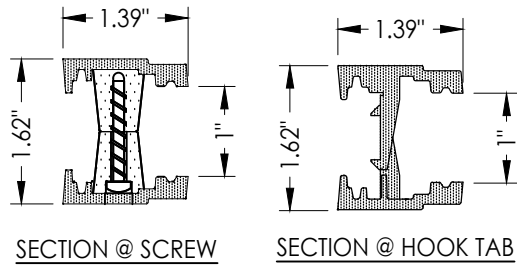
DOOR SKIN: 0.079" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM



A2 **GLAZING DETAIL**

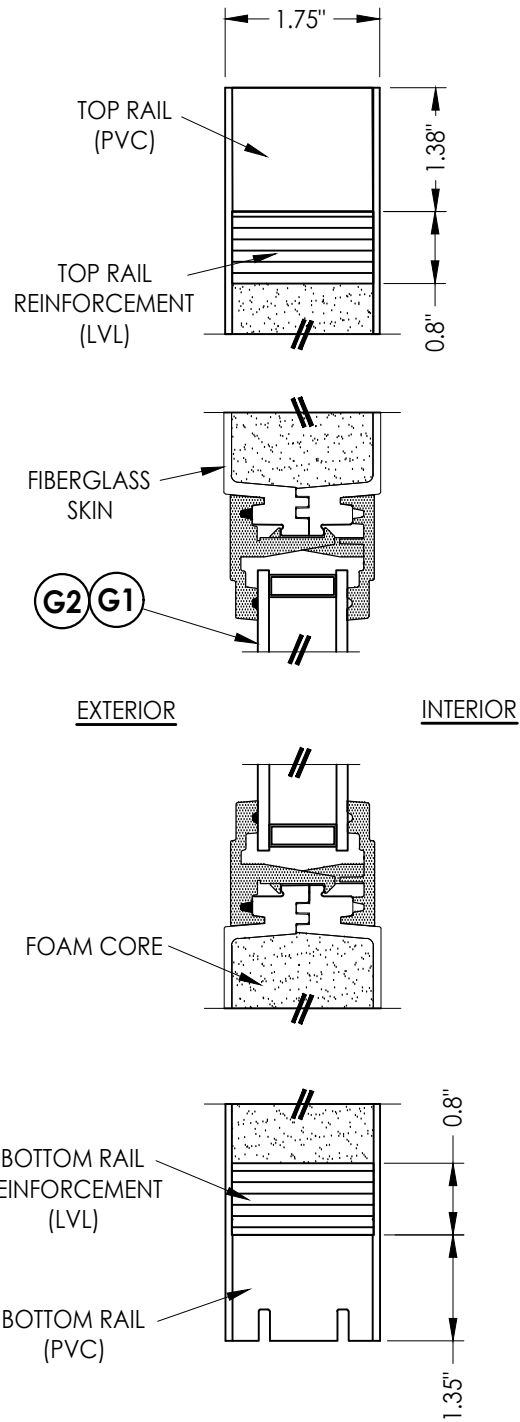


G2 **GLAZING DETAIL**
DECORATIVE GLASS



A2 **FLUSH GLAZING FRAME**
FIBERGLASS

HARDWARE CHART		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
SCHLAGE	KNOB:	F SERIES
	DEADBOLT:	B60 SERIES



2
2 **VERTICAL CROSS SECTION**

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: TRINITY GLASS INT'L

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS		
		BY	DATE	DESCRIPTION
2	8/01/23	LFS	UPDATE TO 8TH ED. (2023)	FBC
1	8/11/20	DAC	UPDATE TO 7th ED. (2020)	FBC

DATE: 1/28/20

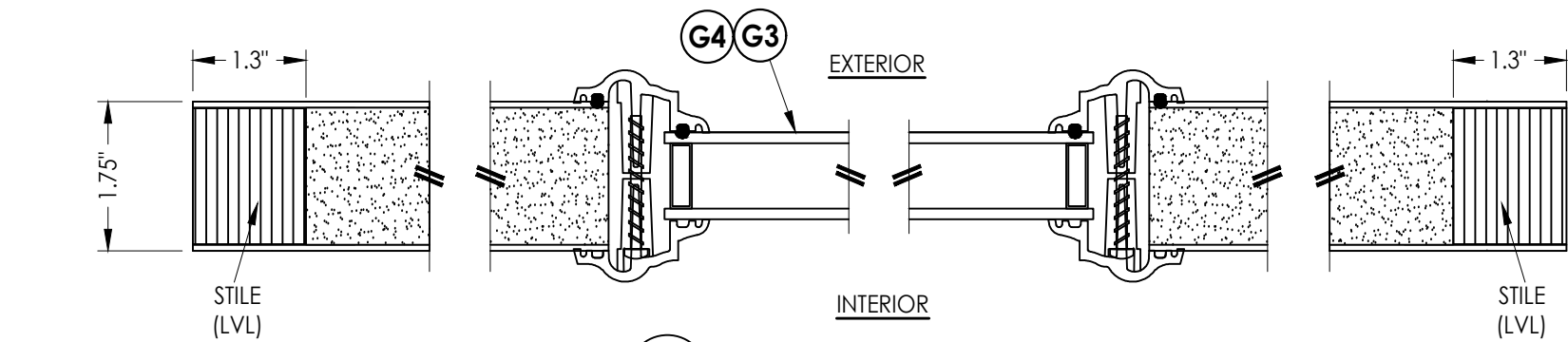
SCALE: N.T.S.

DWG. BY: TRJ

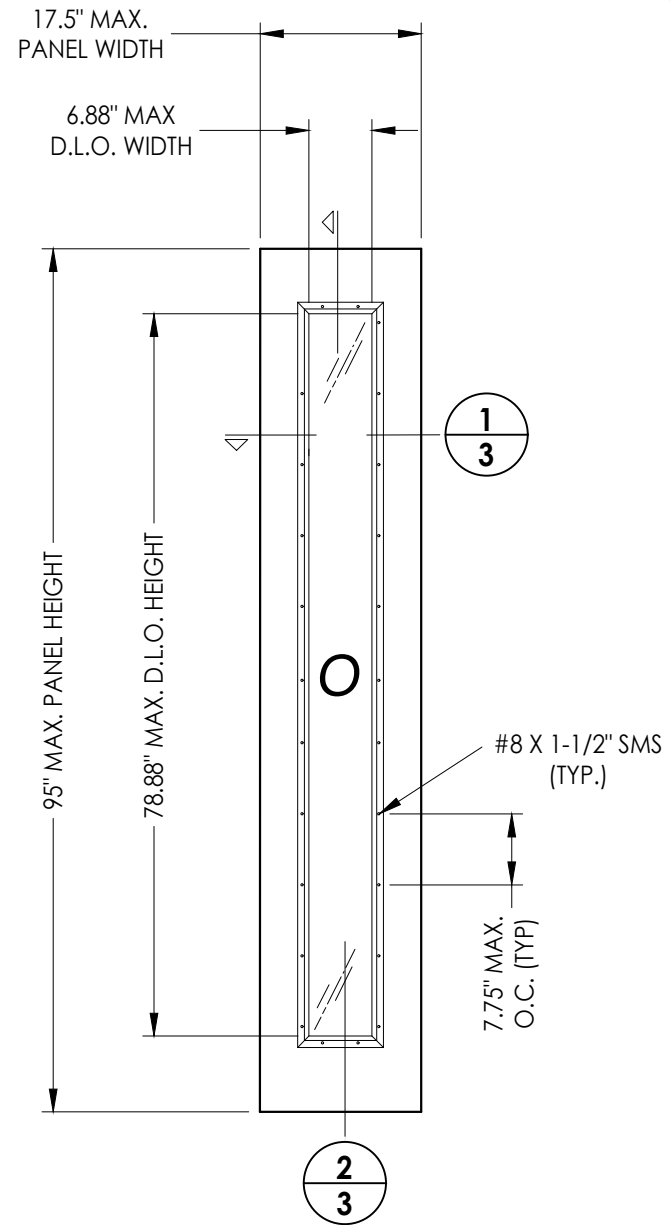
CHK. BY: LFS

DRAWING NO.:
FL-25575.4

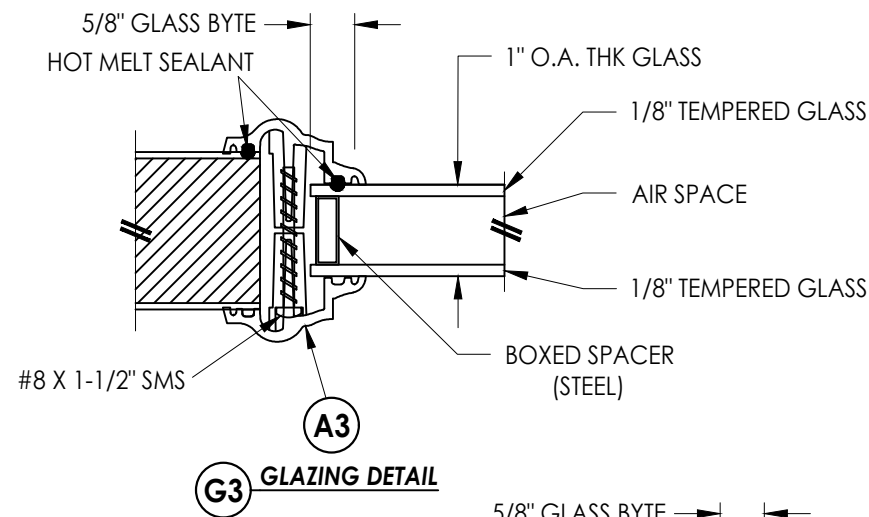
SHEET 2 OF 14



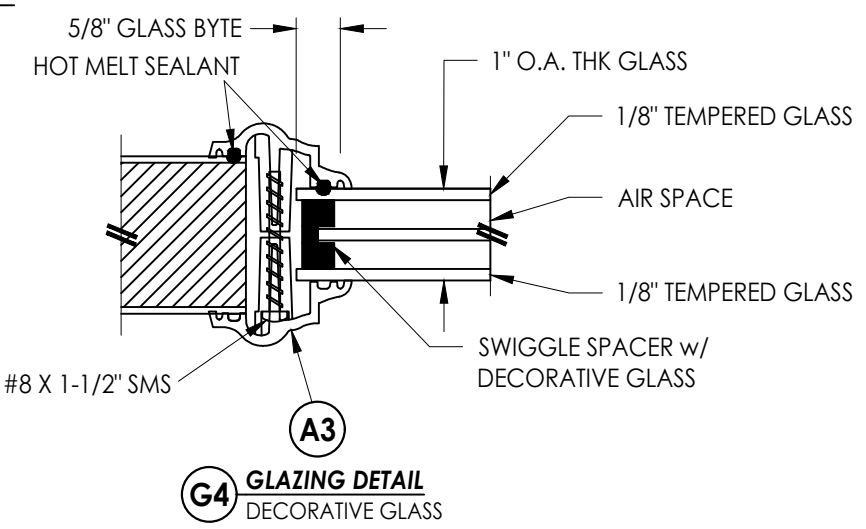
1 **HORIZONTAL CROSS SECTION**
3



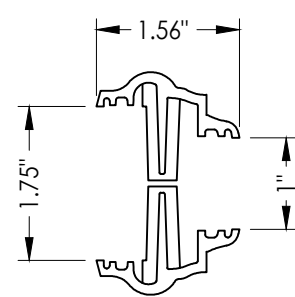
50 **SIDELITE PANEL**
LIGHTHOUSE



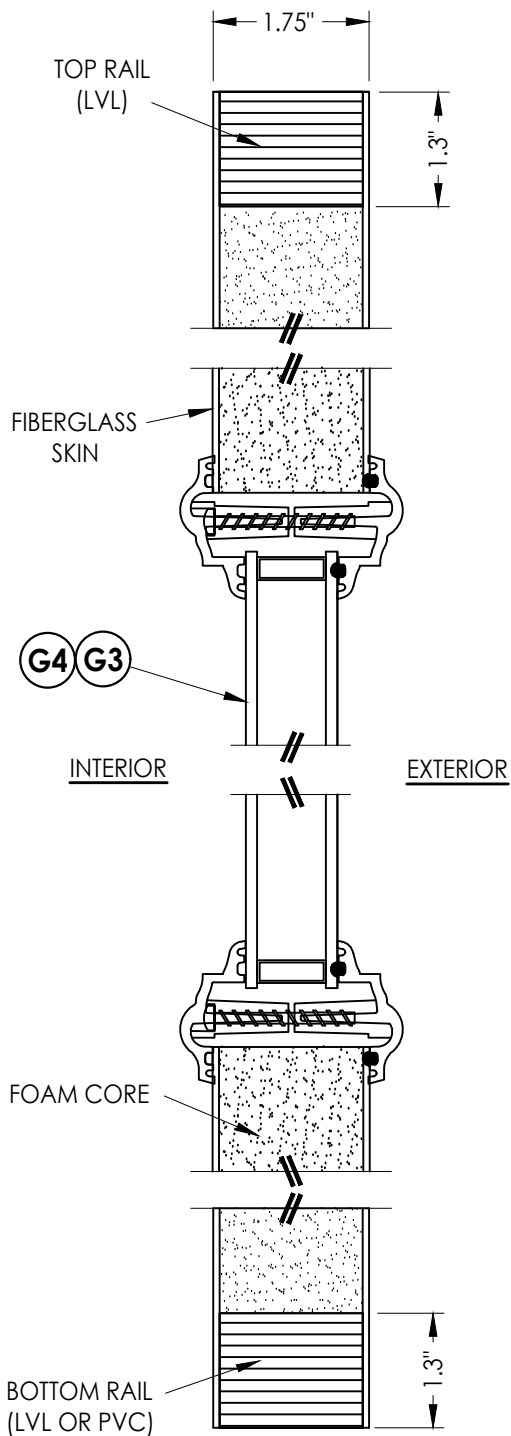
G3 GLAZING DETAIL



G4 GLAZING DETAIL DECORATIVE GLASS



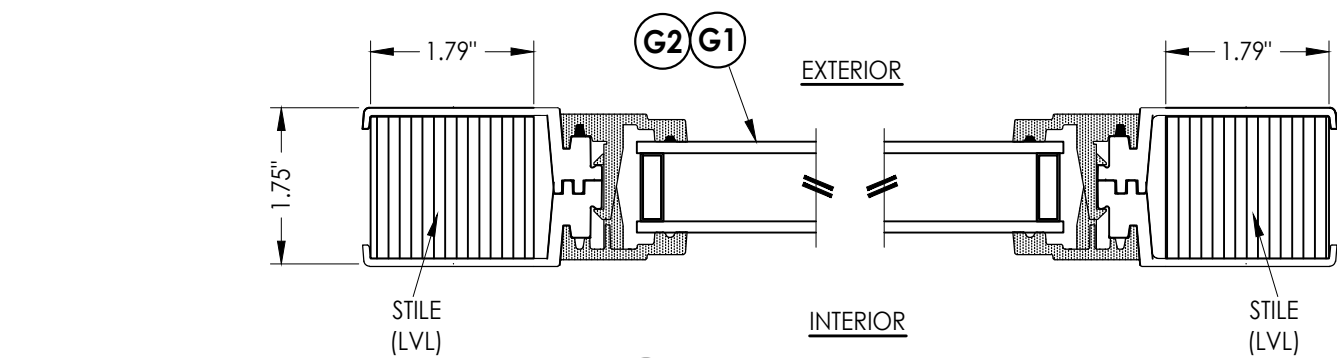
A3 LIP LITE FRAME
HP POLYPROPYLENE



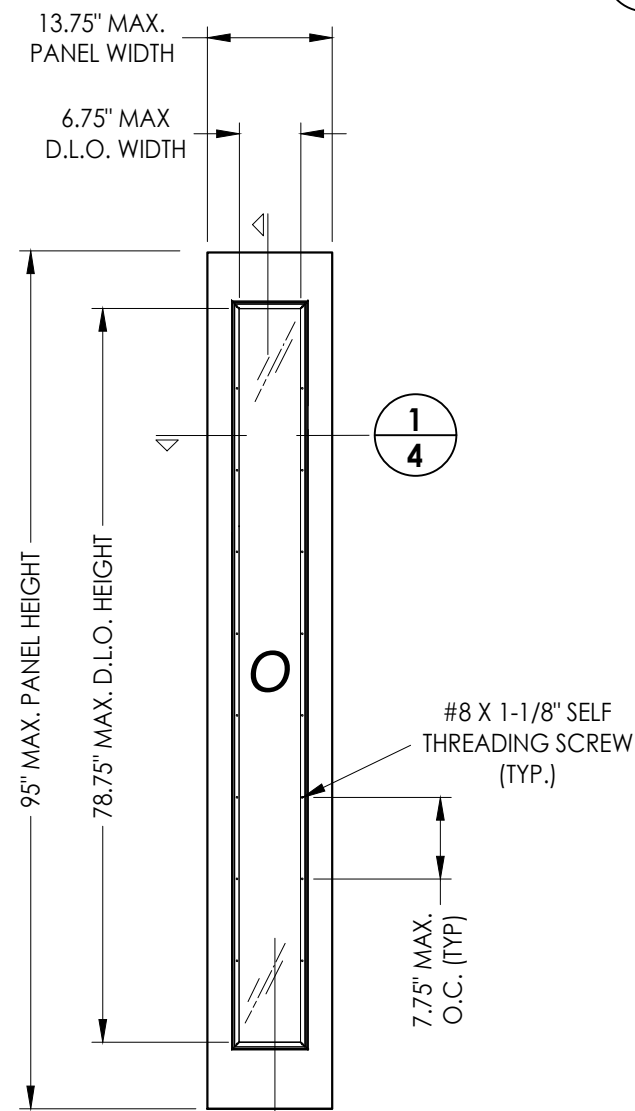
2 VERTICAL CROSS SECTION

DOOR SKIN: 0.079" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM

DATE: 1/28/20		PRODUCT: TRINITY GLASS INT'L		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY:		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: TRJ		SIDELITE PANEL DETAILS (LIP LITE FRAME)			
CHK. BY: LFS					
DRAWING NO.: FL-25575.4					
SHEET 3 OF 14		REVISONS			
		NO.	DATE	UPDATE TO 8TH ED. (2023)	LFS
		1	8/11/20	UPDATE TO 7th ED. (2020)	DAC
					BY



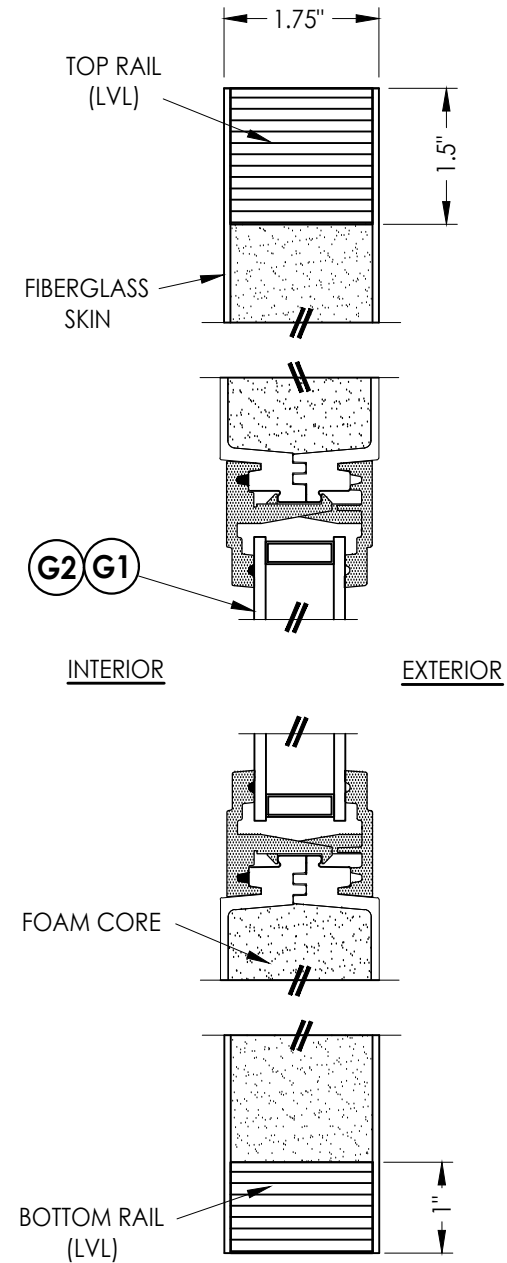
1 4 HORIZONTAL CROSS SECTION



60 **SIDELITE PANEL**
LIGHTHOUSE

THE FLUSH GLAZED SIDELITE IS LIMITED TO A
MAXIMUM DESIGN PRESSURE OF ± 50 PSF WHEN
USED IN AN OUTSWING CONFIGURATION

DOOR SKIN: 0.079" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM

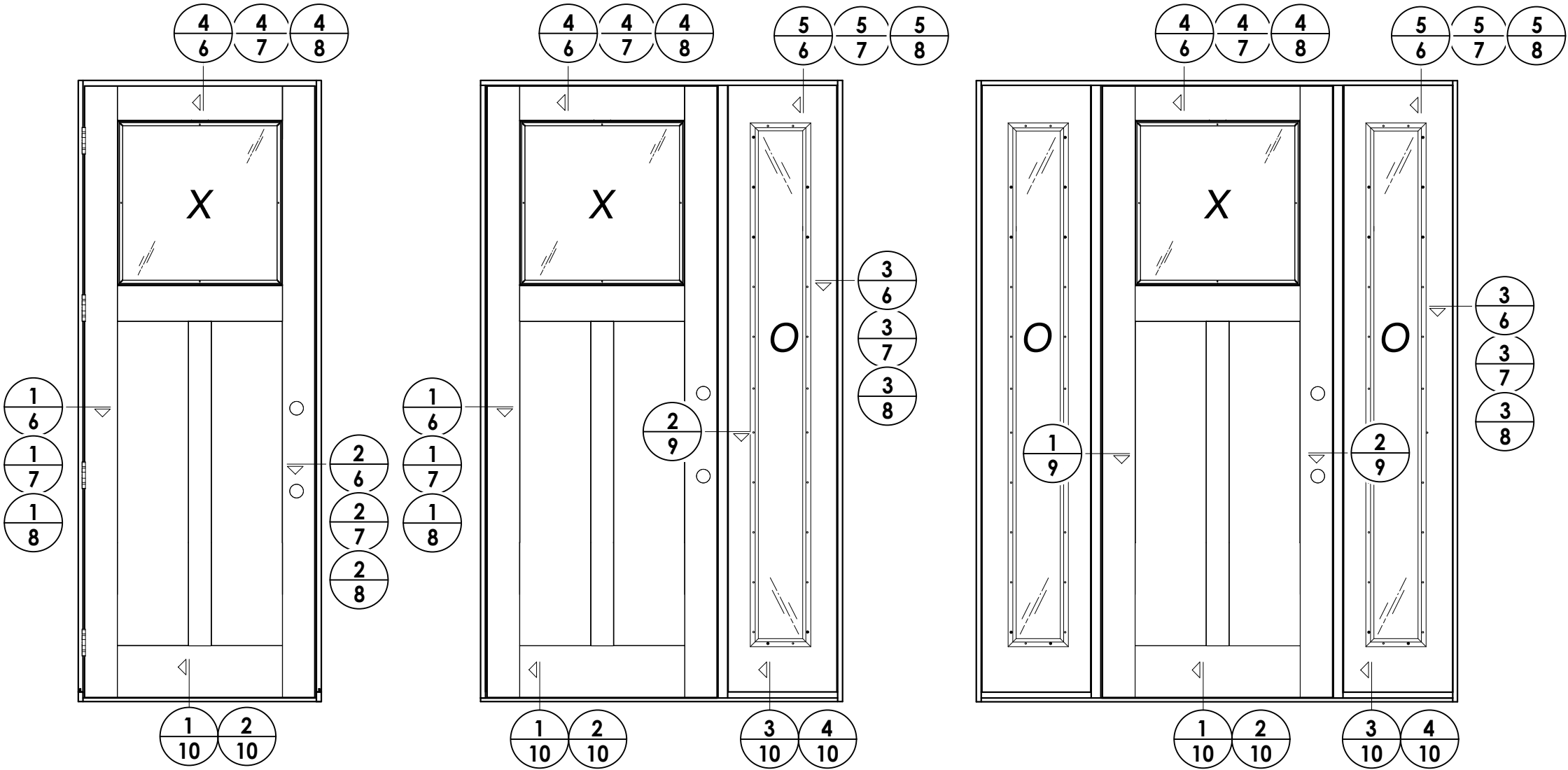


2 VERTICAL CROSS SECTION
4

[illegible]

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

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



REVISIONS	
NO.	DATE
2	8/01/23
1	8/11/20

DATE:	1/28/20
SCALE:	N.T.S.
DWG. BY:	TRJ
CHK. BY:	LFS
DRAWING NO.:	FL-25575.4
SHEET	5 OF 14

PRODUCT:		TRINITY GLASS INT'L
PART OR ASSEMBLY:		ELEVATIONS

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

[illegible]

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

0.15"
C'SINK
(TYP.)

1 2

7 40

24 29 25

L L

B

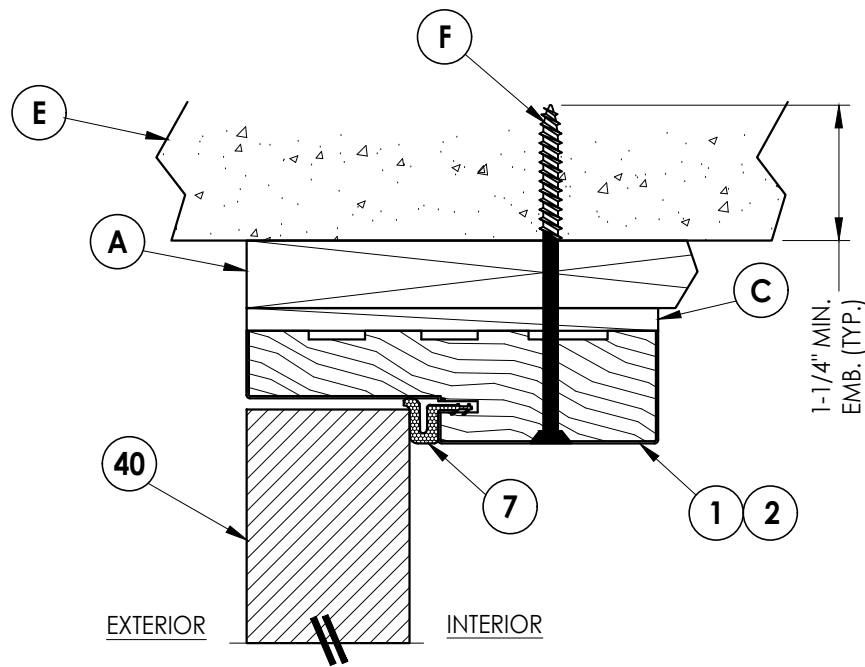
D E

1
6

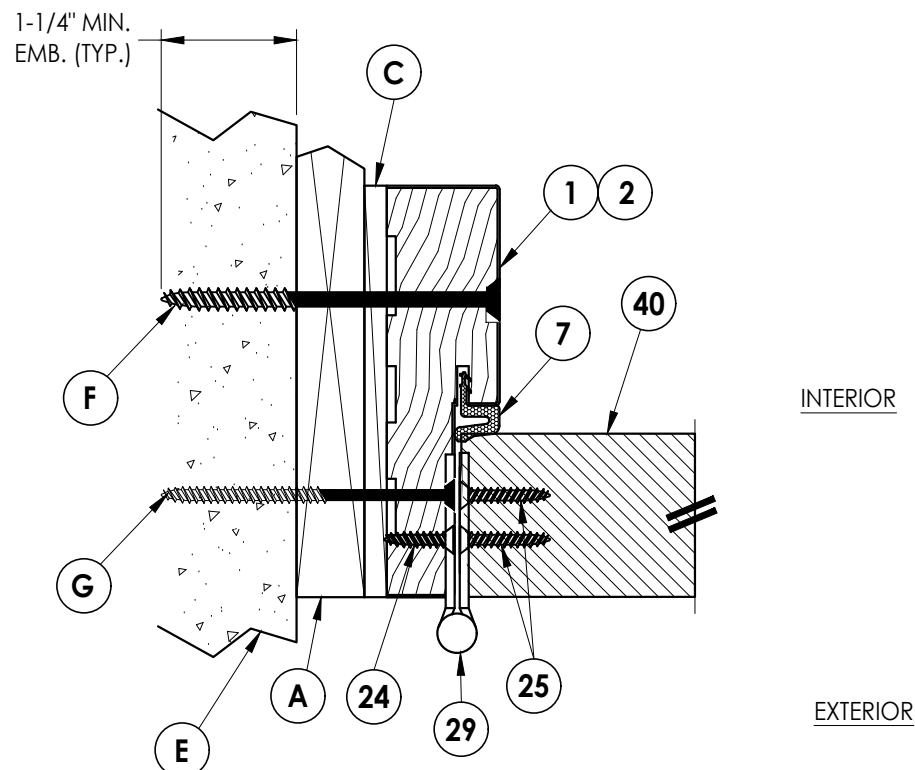
HORIZONTAL CROSS SECTION
Outswing shown - Inswing also approved

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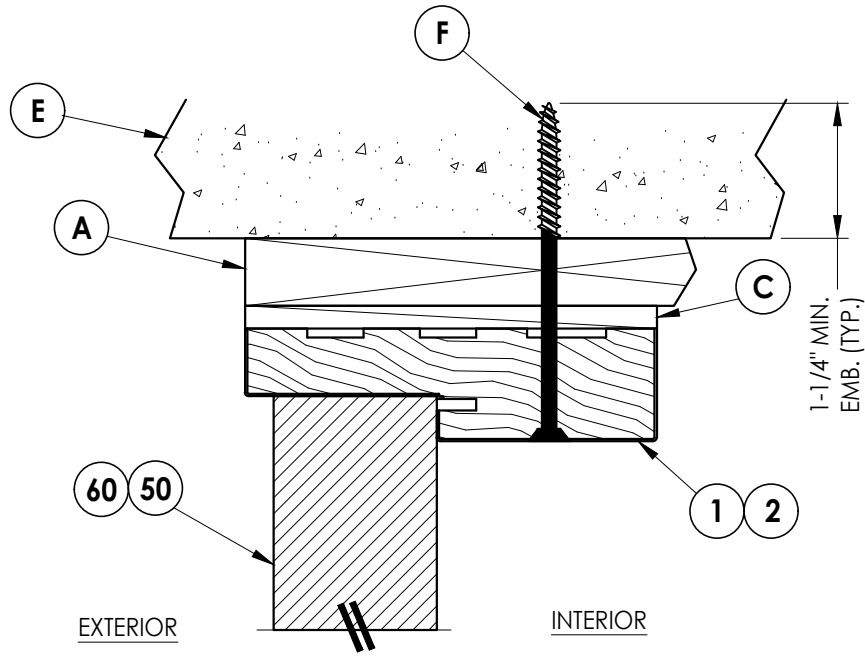
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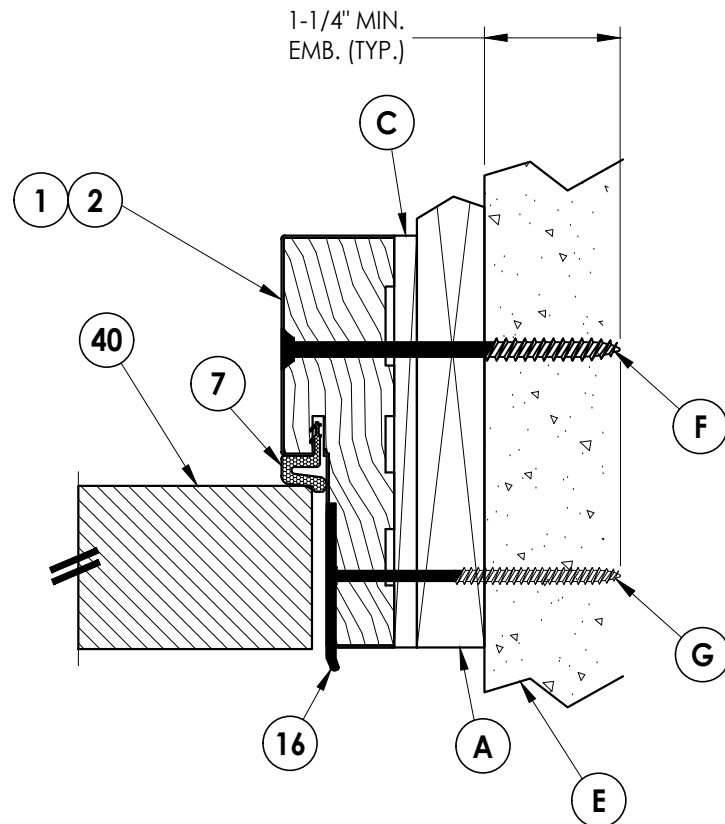
4
7 **VERTICAL CROSS SECTION**
Outswing shown - Inswing also approved



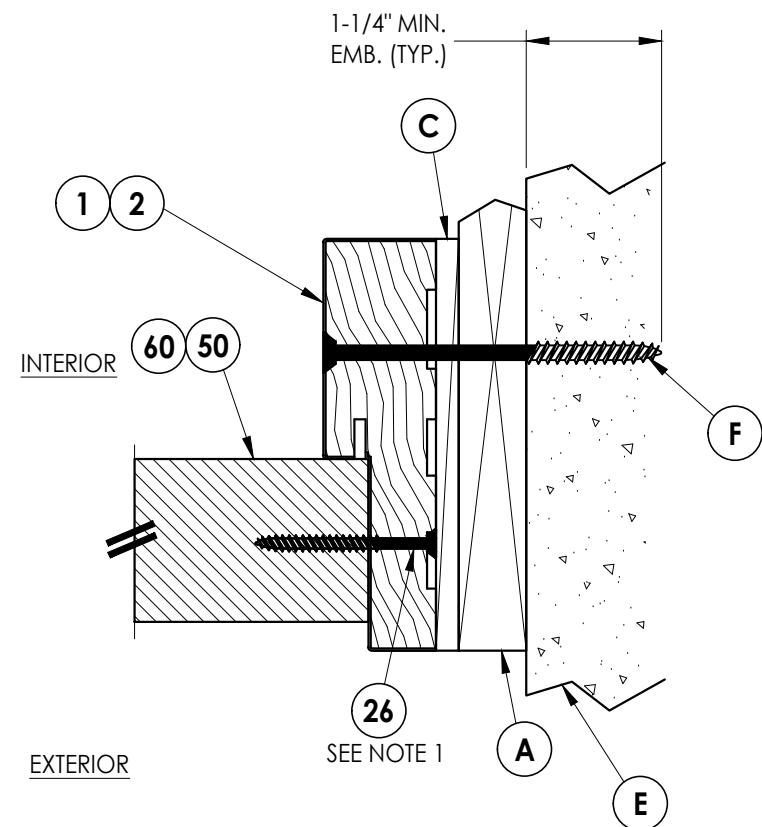
1
7 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved



5
7 **VERTICAL CROSS SECTION**
Outswing shown - Inswing also approved



2
7 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved



3
7 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved

NOTE:
1. Item #26 located 6" from each end
plus 2 more equally spaced (4 total).

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: TRINITY GLASS INT'L

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)

NO.	DATE	REVISIONS
2	8/01/23	UPDATE TO 8TH ED. (2023) FBC
1	8/11/20	UPDATE TO 7th ED. (2020) FBC

DATE: 1/28/20

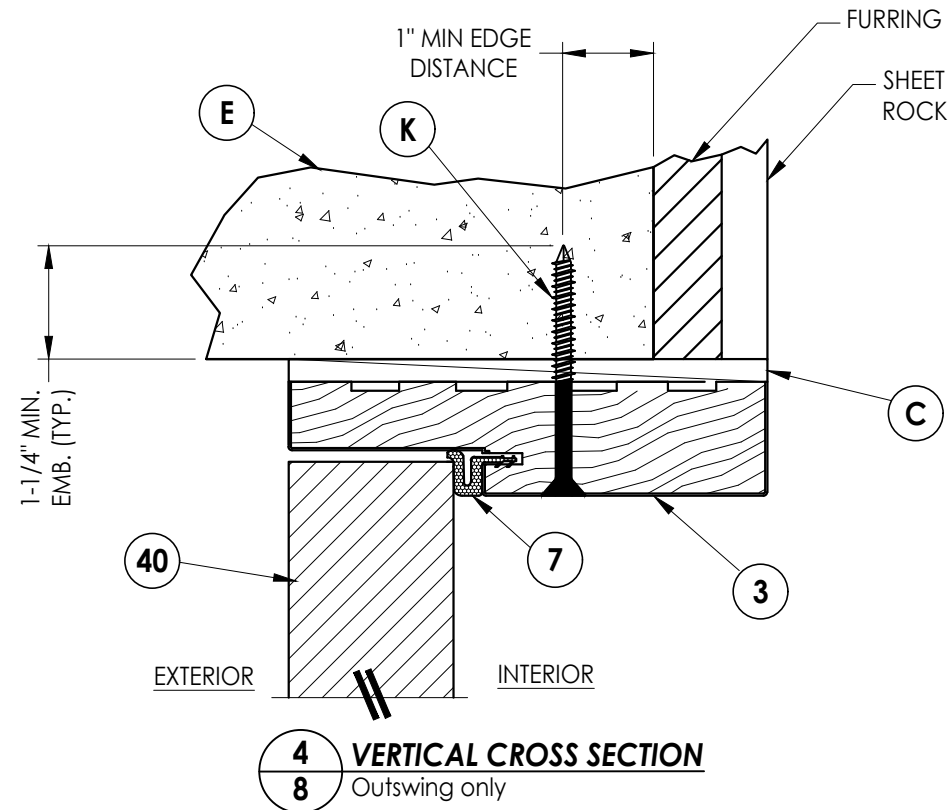
SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

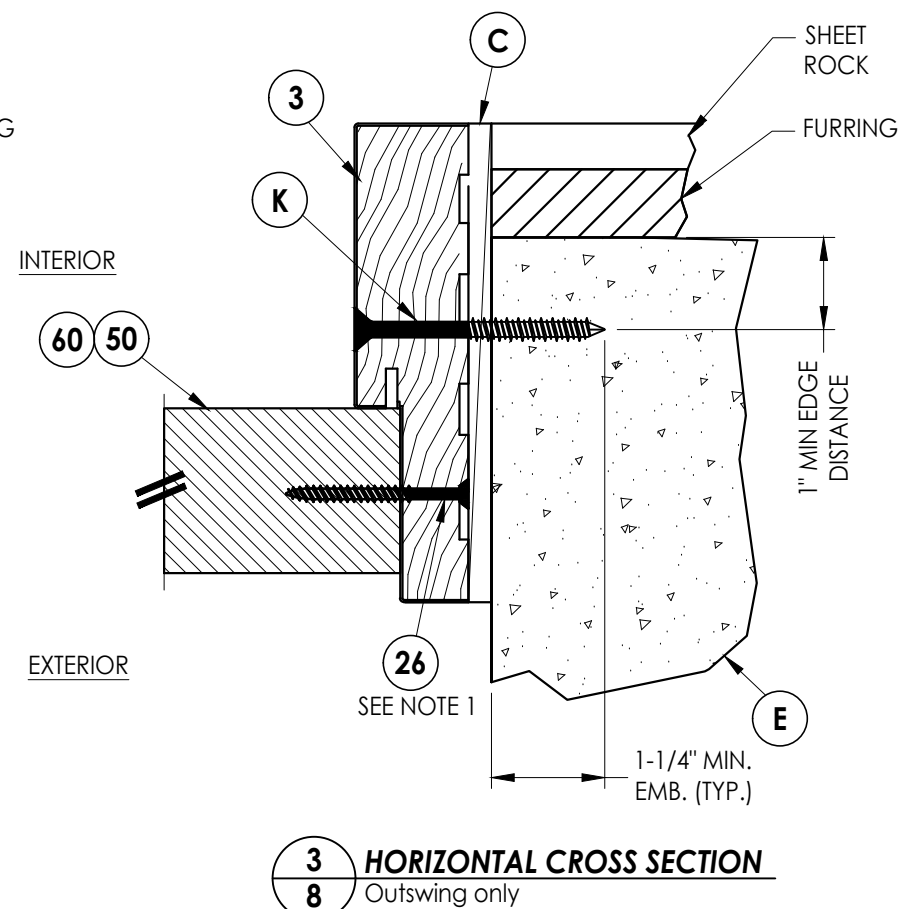
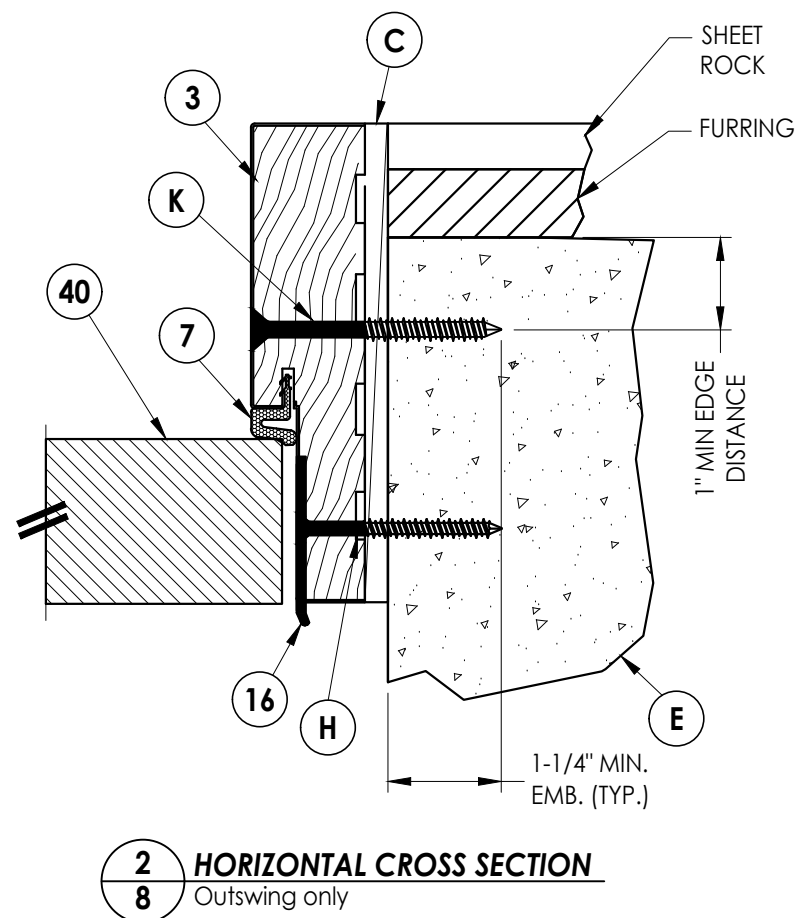
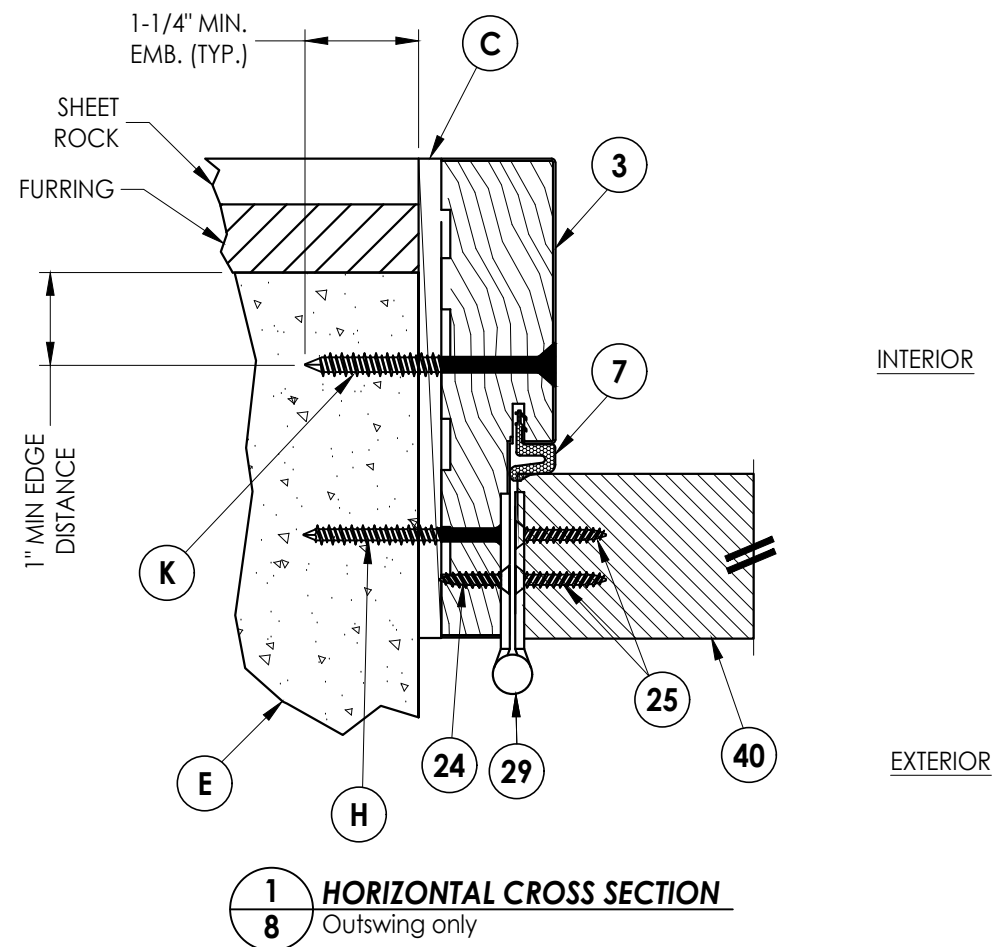
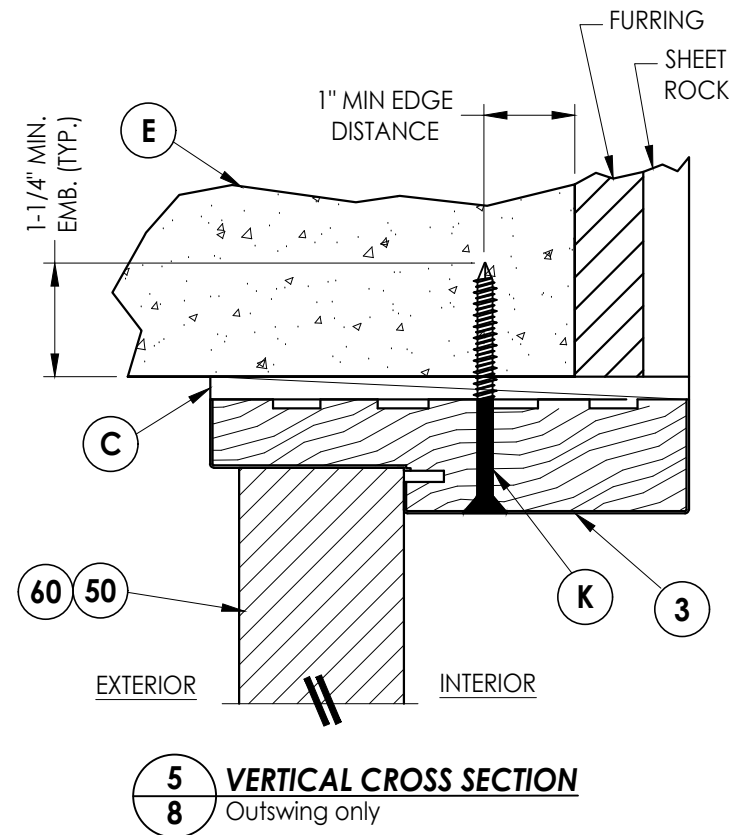
DRAWING NO.: FL-25575.4

SHEET 7 OF 14



NOTE:

1. Item #26 located 6" from each end plus 2 more equally spaced (4 total).

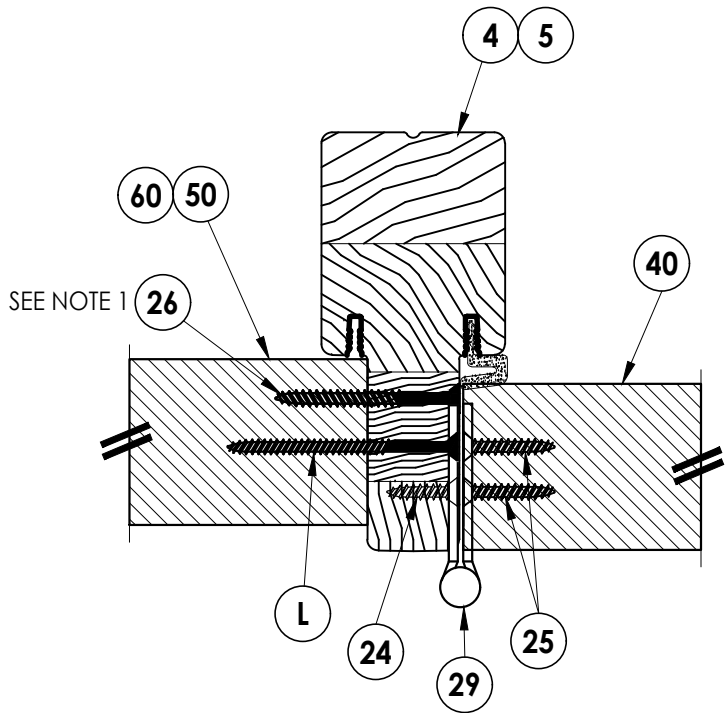


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409										PRODUCT: TRINITY GLASS INT'L PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)										</									
--	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--	--

Z:\2023 FBC Drawings\Trinity Glass Int\FL-25575 R5\FL-25575.4.dwg

NOTE:

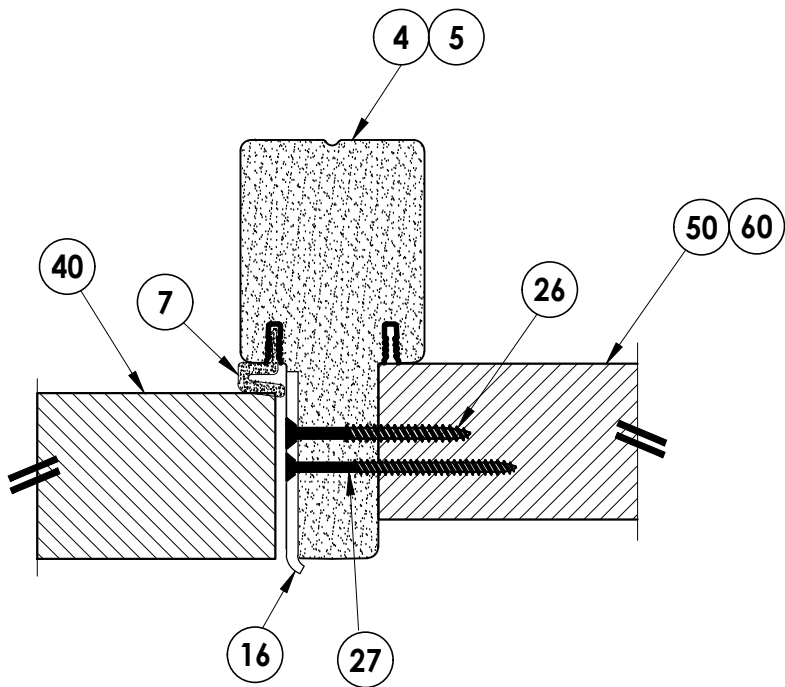
1. Item #26 located 6" from each end plus 2 more equally spaced (4 total).



1 **HORIZONTAL CROSS SECTION**
9 Outswing shown - Inswing also approved

INTERIOR

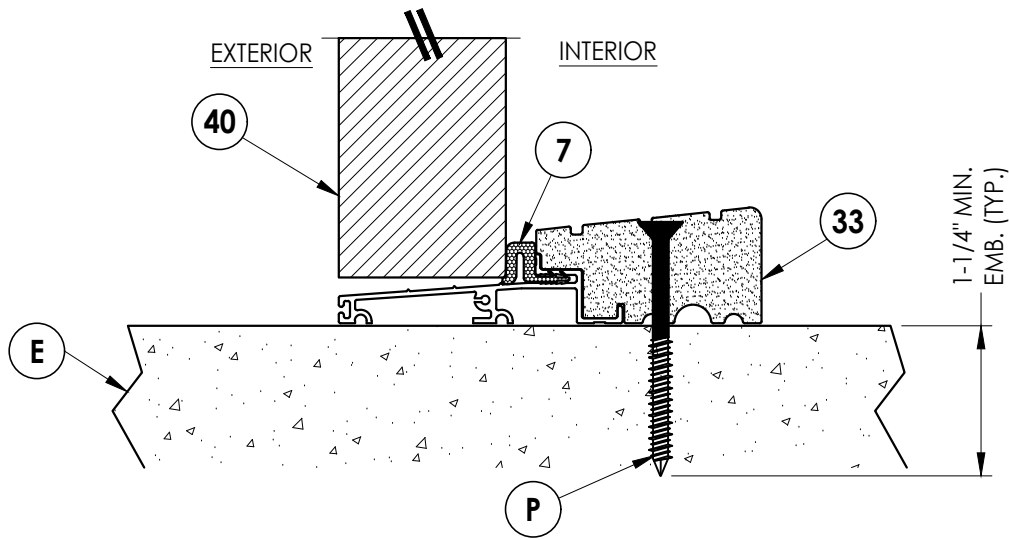
EXTERIOR



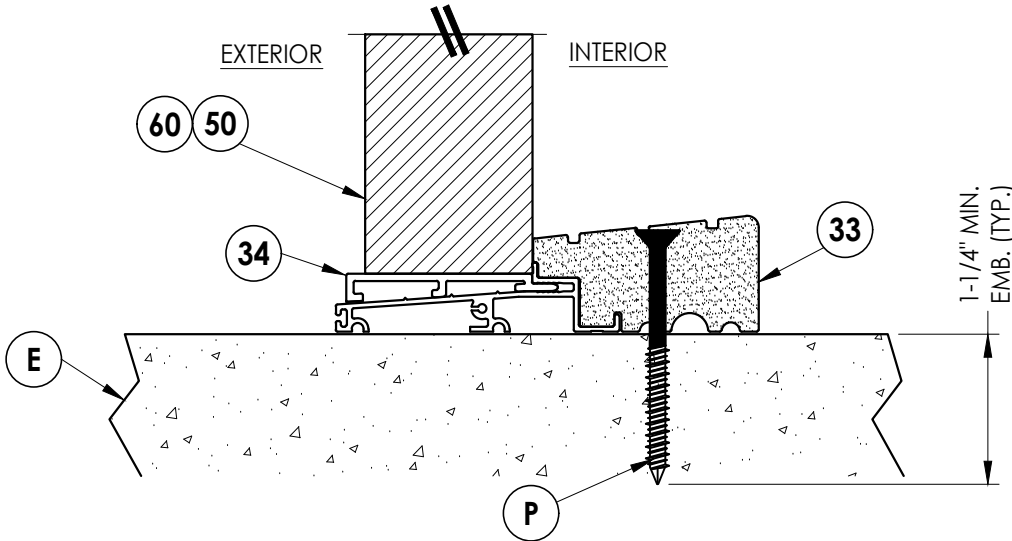
2 **HORIZONTAL CROSS SECTION**
9 Outswing shown - Inswing also approved

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: TRINITY GLASS INT'L				PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS			
				LFS			
				FBC			
				FBC			
				DAC			
				BY			
				NO.	DATE		
				2	8/01/23	UPDATE TO 8TH ED.	
				1	8/11/20	UPDATE TO 7th ED.	
DATE: 1/28/20				REVISIONS			
SCALE: N.T.S.							
DWG. BY: TRJ							
CHK. BY: LFS							
DRAWING NO.: FL-25575.4							
SHEET 9 OF 14							

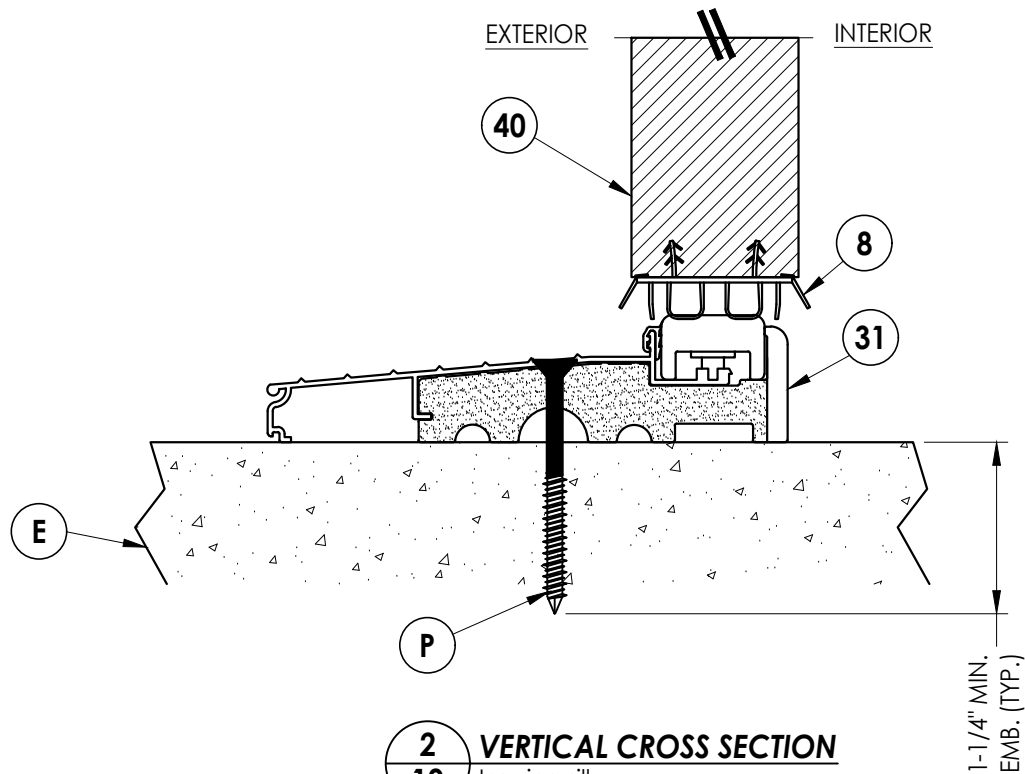
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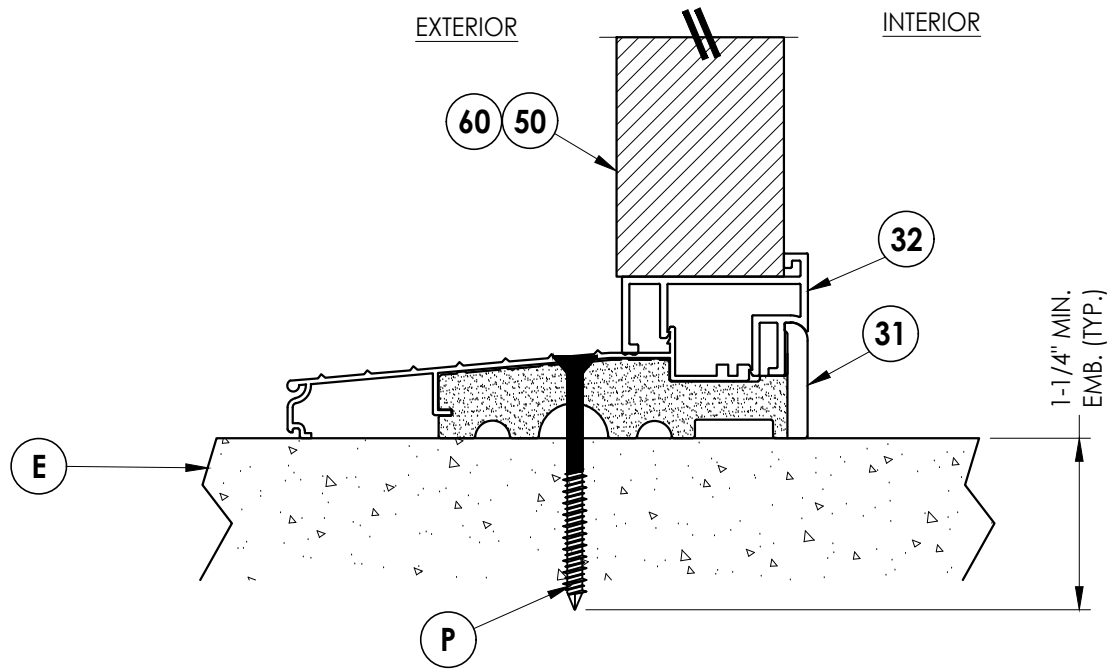
1
10 **VERTICAL CROSS SECTION**
Outswing sill - high dam



3
10 **VERTICAL CROSS SECTION**
Outswing sill - high dam



2
10 **VERTICAL CROSS SECTION**
Inswing sill



4
10 **VERTICAL CROSS SECTION**
Inswing 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: TRINITY GLASS INT'L

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS
2	8/01/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	8/11/20	UPDATE TO 7th ED. (2020)	FBC DAC

DATE: 1/28/20

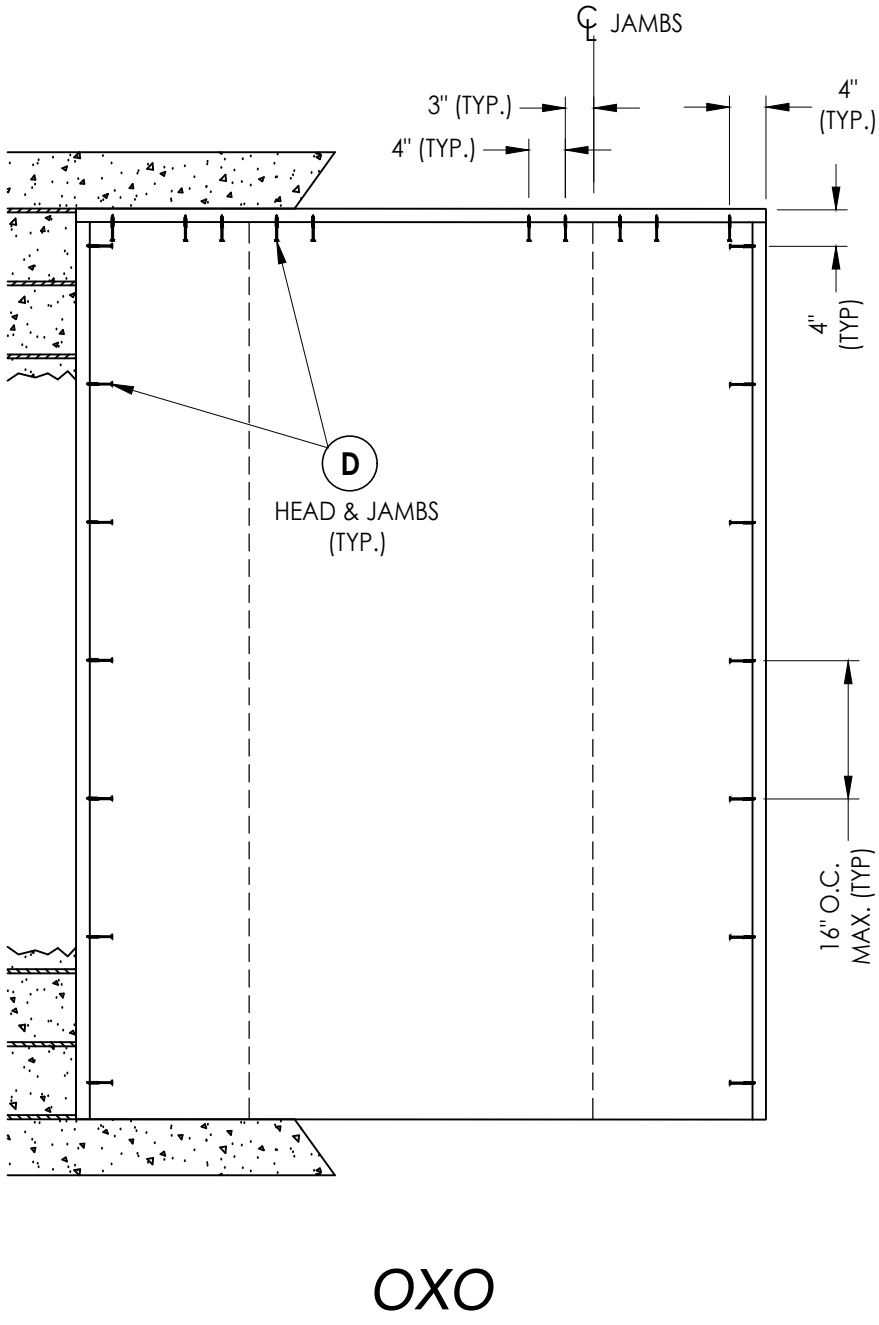
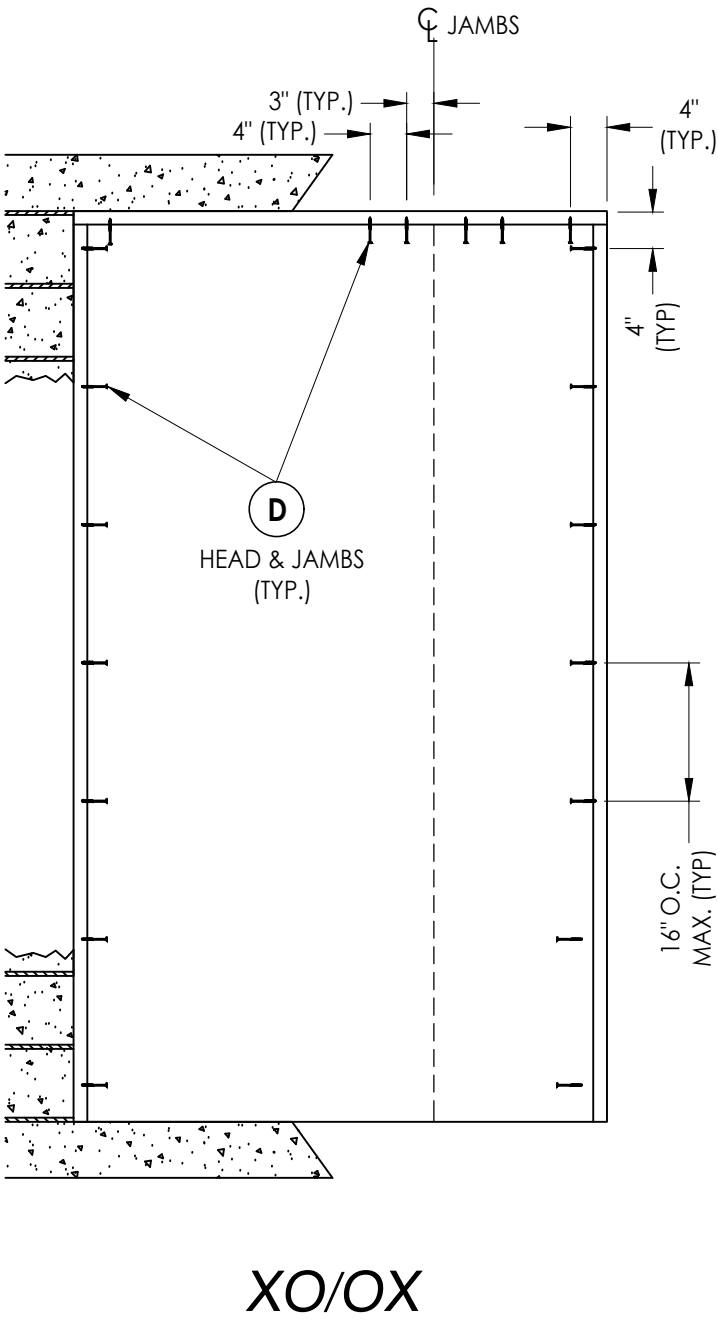
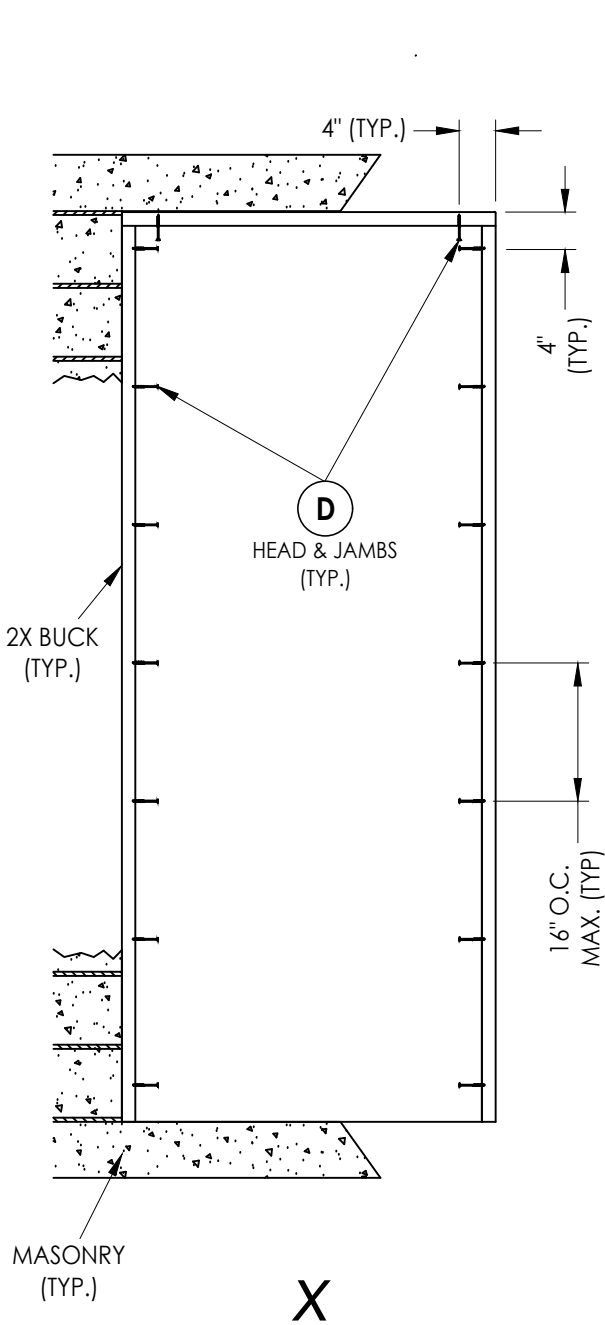
SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.: FL-25575.4

SHEET 10 OF 14



2X BUCK ANCHORING

NO.	DATE	REVISIONS			
2	8/01/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	8/11/20	UPDATE TO 7th ED. (2020)	FBC	DAC	

DATE: 1/28/20

SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

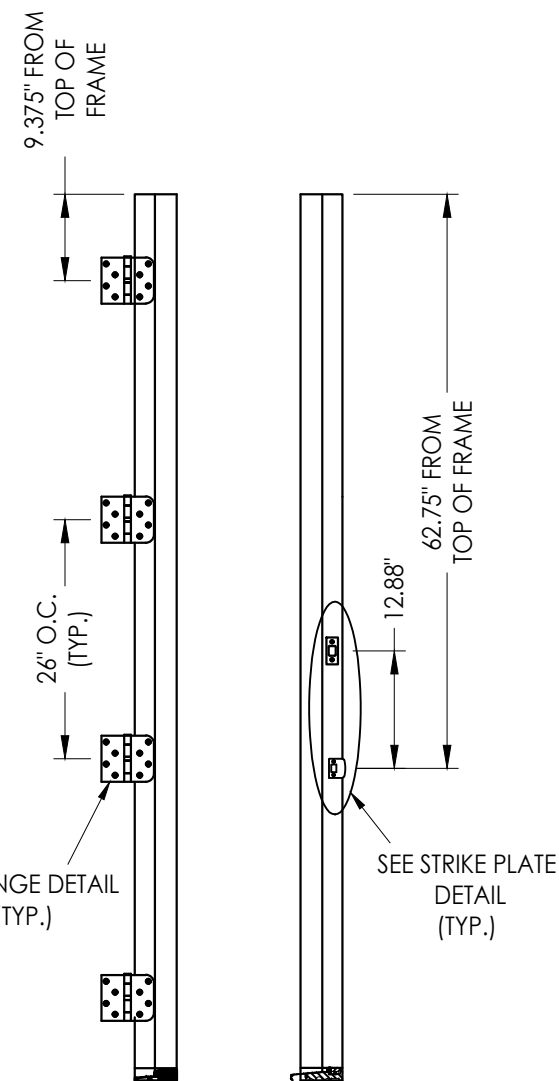
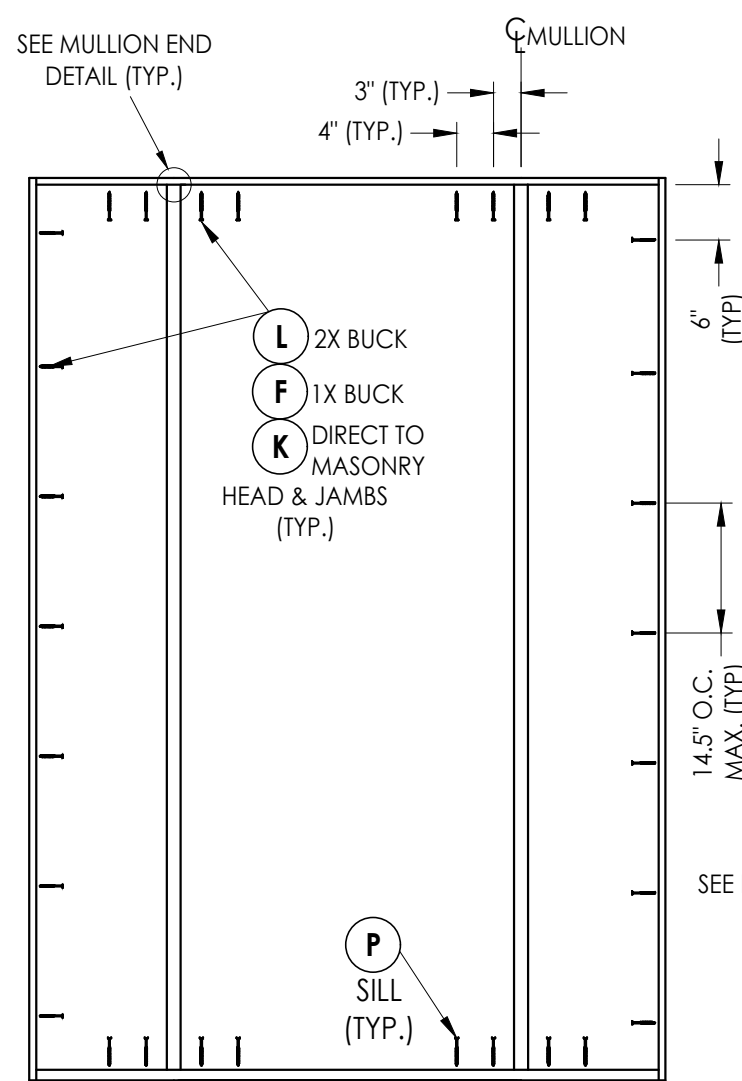
DRAWING NO.:
FL-25575.4

SHEET 11 OF 14

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

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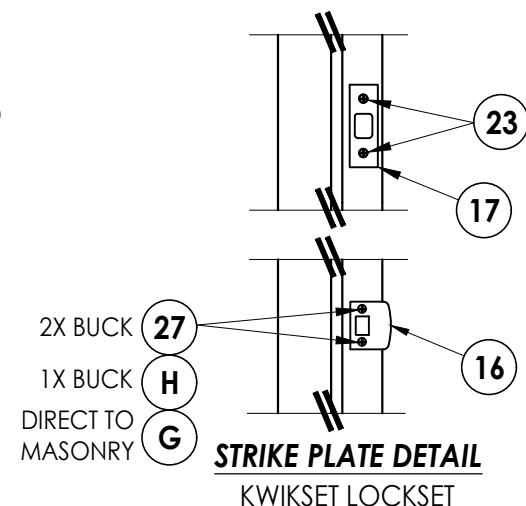
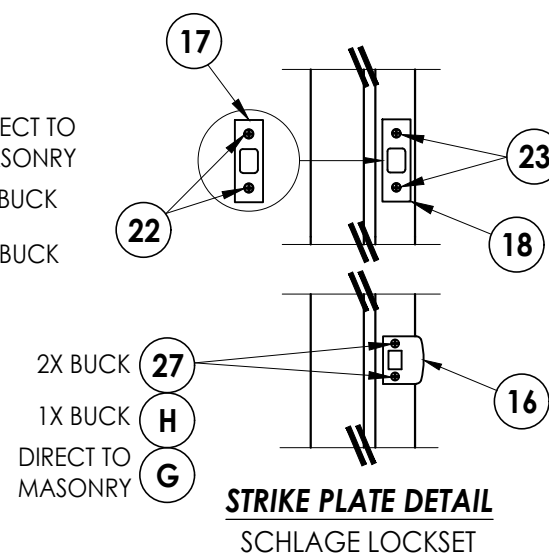
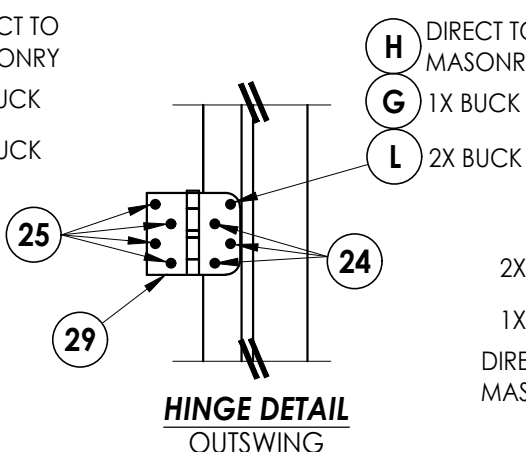
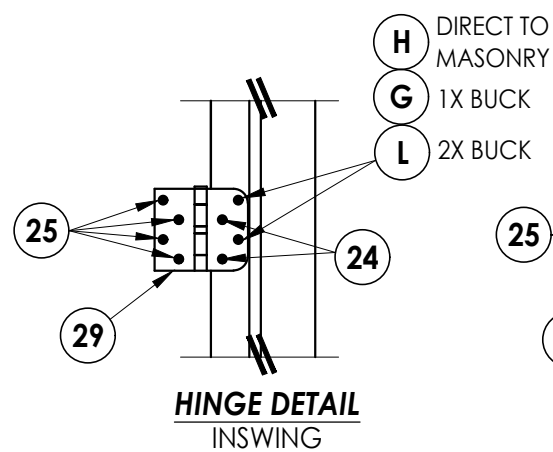


XO/OX

OXO

HINGE JAMB STRIKE JAMB

MULLION END DETAIL
(TYP. @ HEAD & SILL)

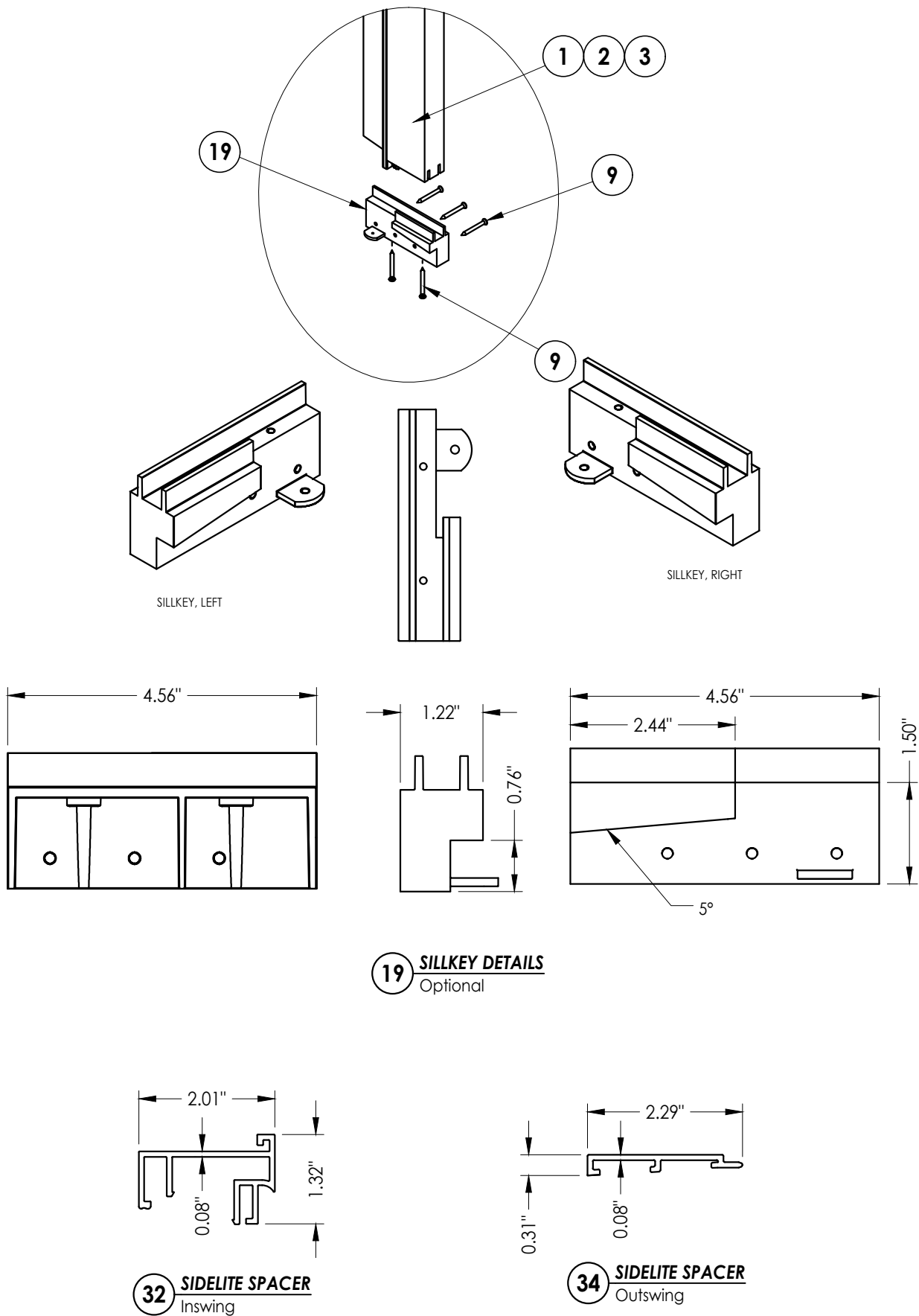
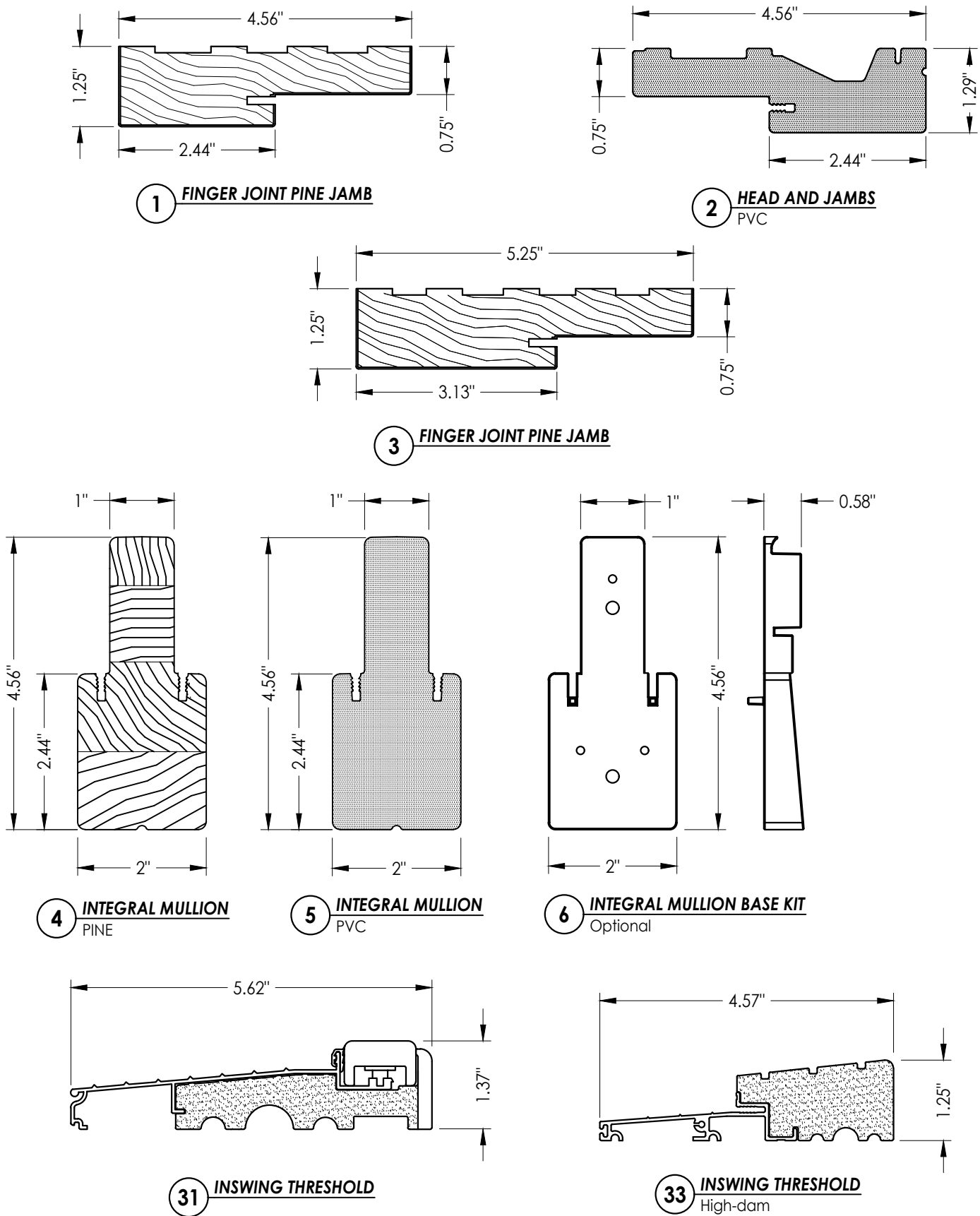
[illegible]

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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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: TRINITY GLASS INT'L		PART OR ASSEMBLY: COMPONENTS	
		LFS	
		UPDATE TO 8TH ED. (2023) FBC	
		UPDATE TO 7th ED. (2020) FBC	
		DAC	
		BY	
		NO.	DATE
REVISIONS			
DATE: 1/28/20			
SCALE: N.T.S.			
DWG. BY: TRJ			
CHK. BY: LFS			
DRAWING NO.: FL-25575.4			
SHEET 13 OF 14			

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	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
K	1/4" X 2-3/4" PFH DeWALT CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WS (1.15" MIN. EMBEDMENT)	STEEL
P	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	HEAD & JAMB (FINGER-JOINT PINE - SG >= 0.42)	WOOD
2	HEAD & JAMB	PVC
3	HEAD & JAMB (5.25") (FINGER-JOINT PINE - SG >= 0.42)	WOOD
4	INTEGRAL MULLION (PINE - SG >= 0.42)	WOOD
5	INTEGRAL MULLION (PVC)	PVC
6	INTEGRAL MULLION BASE KIT	PC/ASA
7	WEATHERSTRIP	FOAM
8	DOOR BOTTOM SWEEP	PVC
9	#6 X 1-1/4 PFH DRYWALL SCREW	STEEL
11	#9 X 2-1/4" PFH WOOD SCREW	STEEL
16	LATCH STRIKE PLATE	STEEL
17	DEADBOLT STRIKE PLATE	STEEL
18	DEADBOLT SUB-STRIKE PLATE	STEEL
19	SILLKEY	ABS
22	#8 X 1/2" PFH WOOD SCREW	STEEL
23	#12 X 2-1/2" PFH WOOD SCREW	STEEL
24	#9 X 3/4" PFH WS	STEEL
25	#9 X 1" PFH WS	STEEL
26	#8 X 2" PFH WS	STEEL
27	#8 X 2-1/2" PFH WOOD SCREW	STEEL
28	#10 X 3" PFH WOOD SCREW	STEEL
29	4" X 4" HINGE	STEEL
31	INSWING THRESHOLD ALUMINUM w/ COMPOSITE SUBSTRATE	ALUM./ COMP.
32	SIDELITE SPACER - INSWING	PVC
33	OUTSWING HIGH-DAM THRESHOLD ALUMINUM w/ COMPOSITE SUBSTRATE	ALUM./ COMP.
34	SIDELITE SPACER - OUTSWING	PVC
40	DOOR PANEL - (LIGHTHOUSE)	-
50	SIDELITE - LIP LITE GLAZED	-
60	SIDELITE - FLUSH GLAZING	-

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 BUILDEX TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRAON®+	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

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

[illegible]