

"Lighthouse"

Glazed Fiberglass Door

w/ or w/out SIDELITE(S)

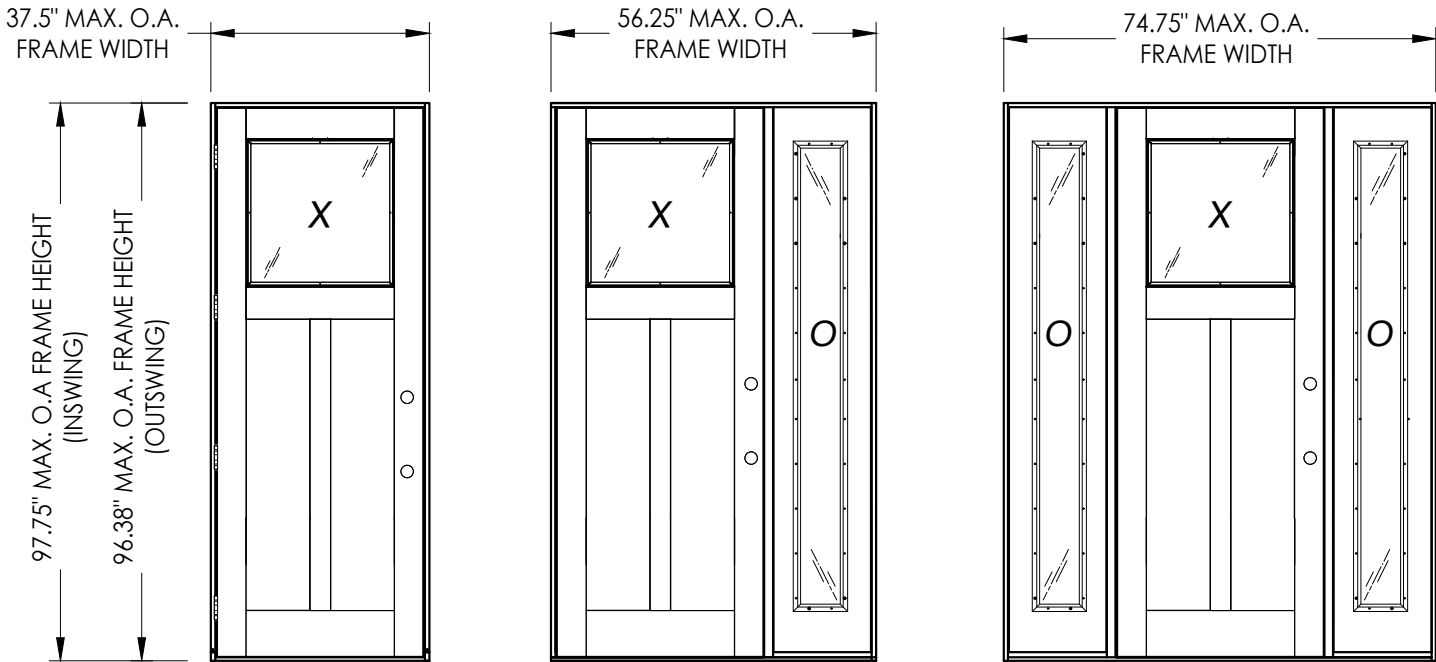
"NON-IMPACT"

INSWING / OUTSWING

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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.

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8	Horizontal & vertical cross sections (Direct to Masonry)
9	Horizontal cross sections
10	Vertical cross sections
11	Buck anchoring
12	Frame anchoring
13	Components
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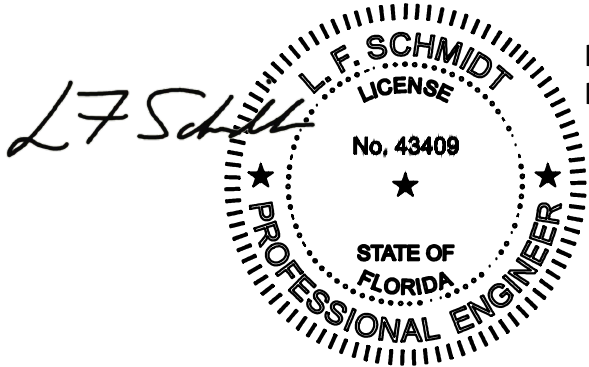


Continuous Head and Sill

Continuous Head and Sill

CONFIGURATION	FRAME MATERIAL	DESIGN PRESSURE (PSF)		DESIGN PRESSURE (PSF)	
		INSWING		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.



Digitally signed by Lyndon F Schmidt
Date: 2026.08.03 11:23:16 -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

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

TRINITY GLASS INT'L

PRODUCT:

REVISIONS

DATE: 1/28/20

SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.: FL-25575.4

SHEET 1 OF 14

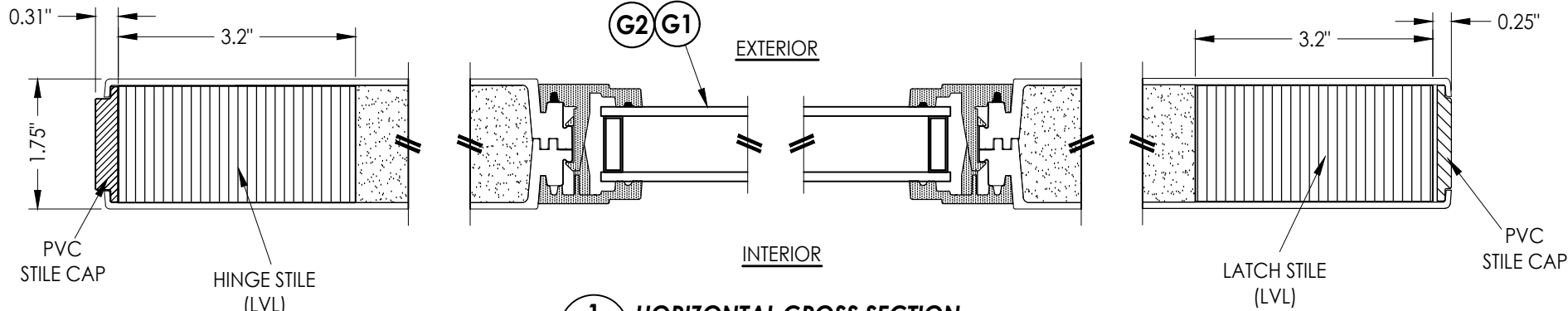
Part or Assembly:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

Part or Assembly:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

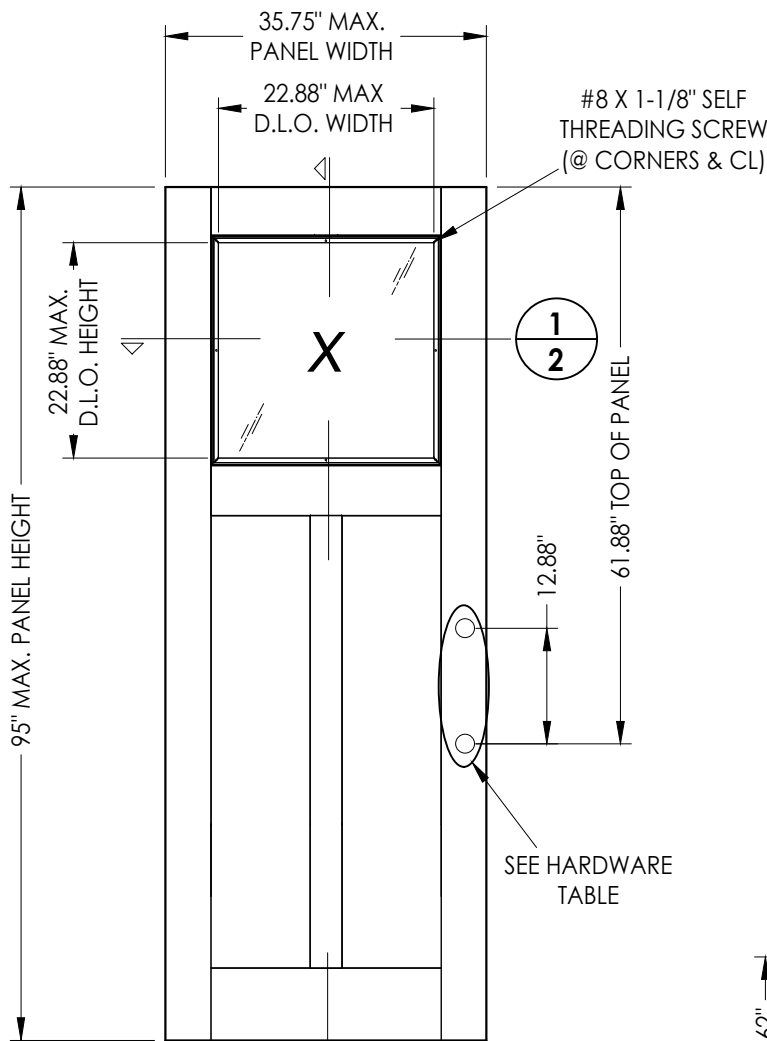
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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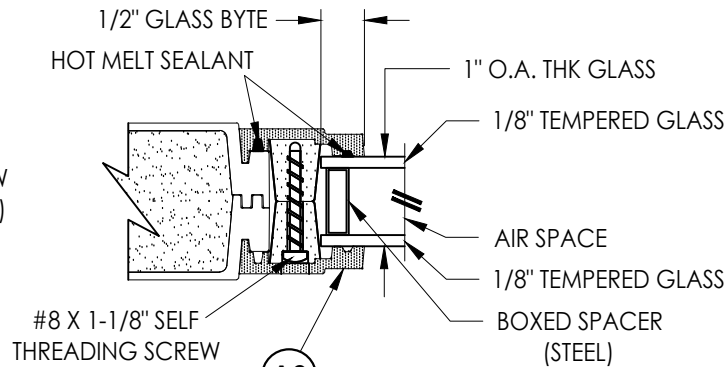


1
2 **HORIZONTAL CROSS SECTION**

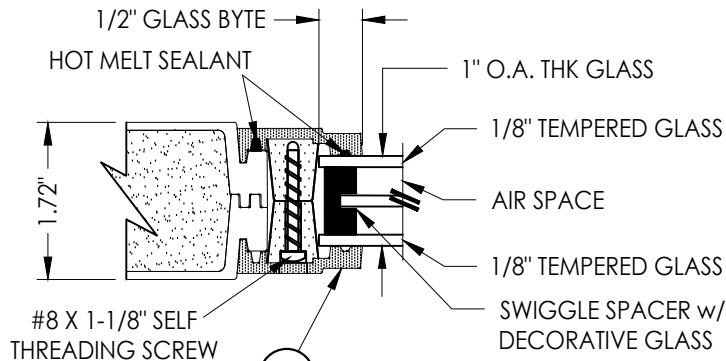


2
2 **GLAZED DOOR PANEL**
LIGHHOUSE

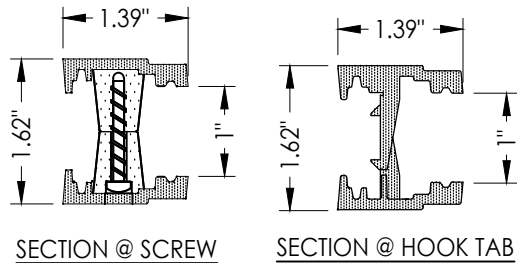
DOOR SKIN: 0.079" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM



G1 **GLAZING DETAIL**

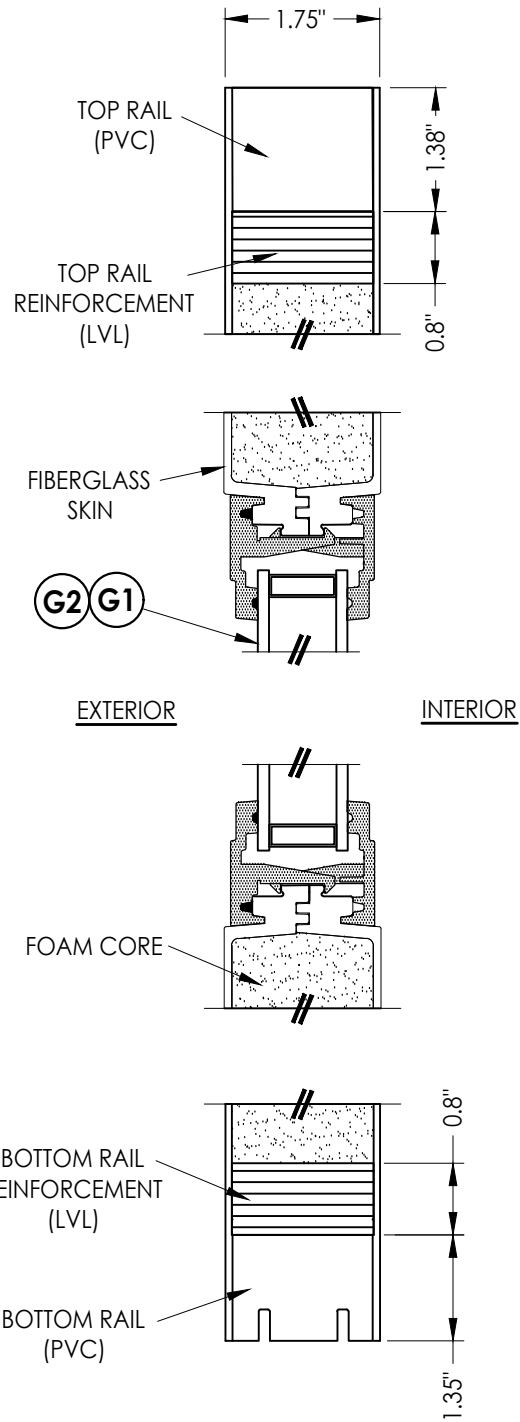


G2 **GLAZING DETAIL**
DECORATIVE GLASS



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**

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RW BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS			
		BY	DAC	LFS	FBC
3	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
2	8/01/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
1	8/11/20	UPDATE TO 7th ED.	(2020)	FBC	LFS

DATE: 1/28/20

SCALE: N.T.S.

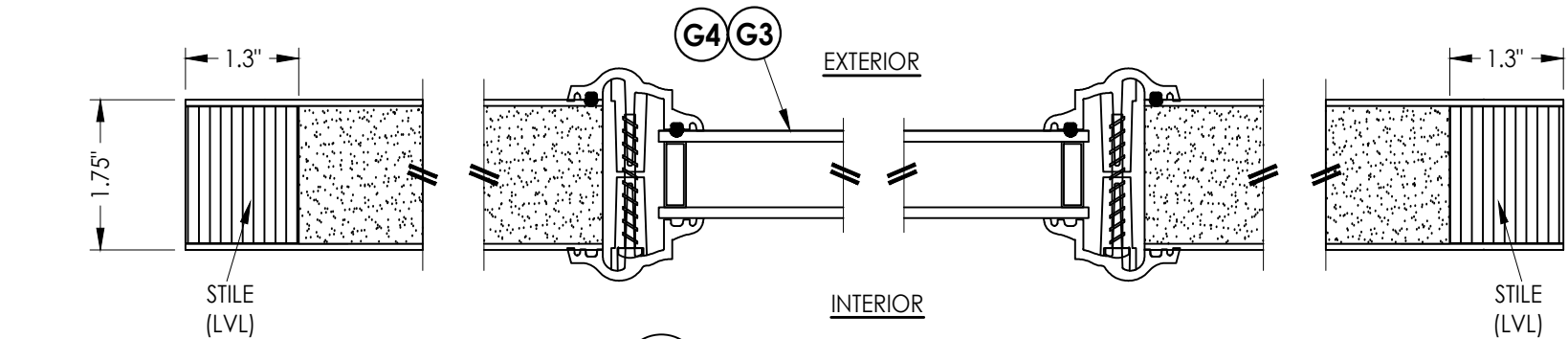
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CHK. BY: LFS

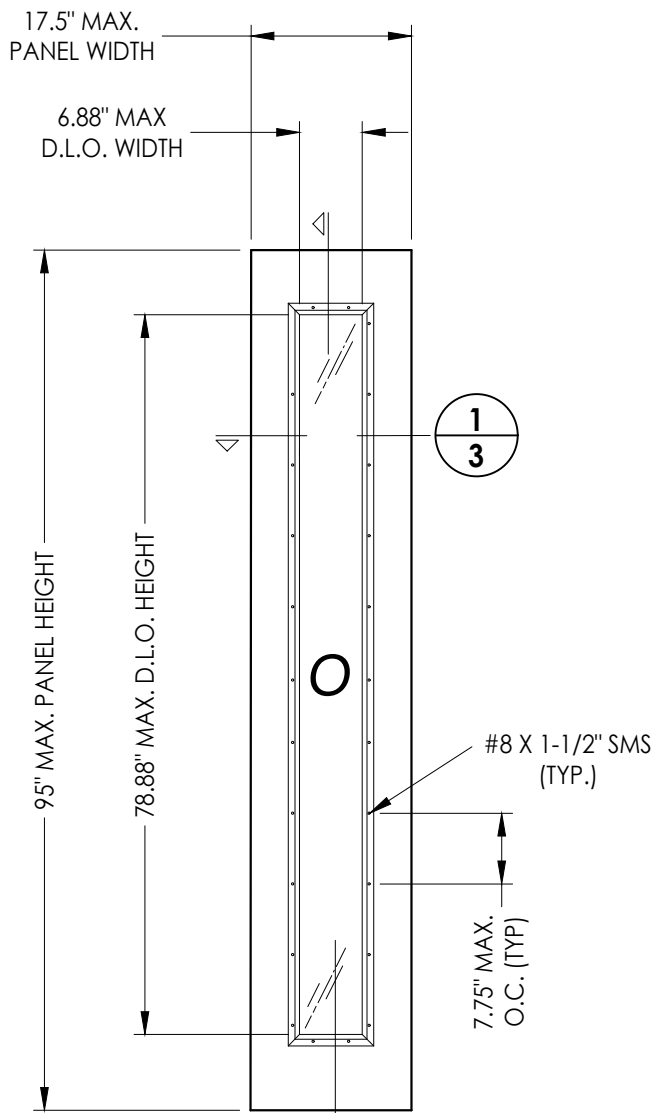
DRAWING NO.: FL-25575.4

SHEET 2 OF 14

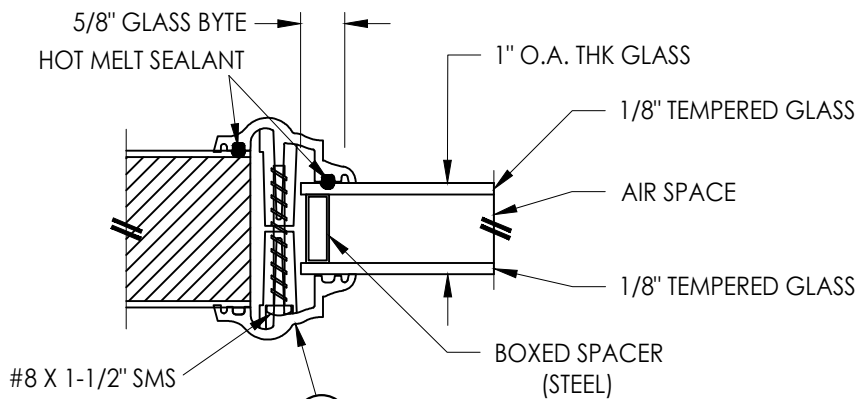
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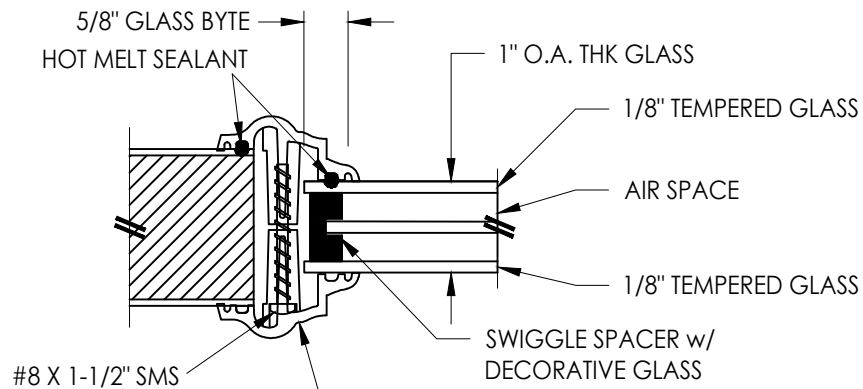
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3 **HORIZONTAL CROSS SECTION**



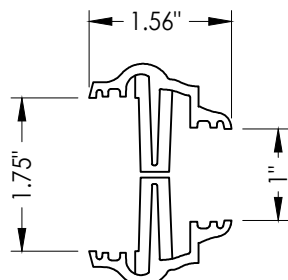
50 **SIDELITE PANEL**
LIGHTHOUSE



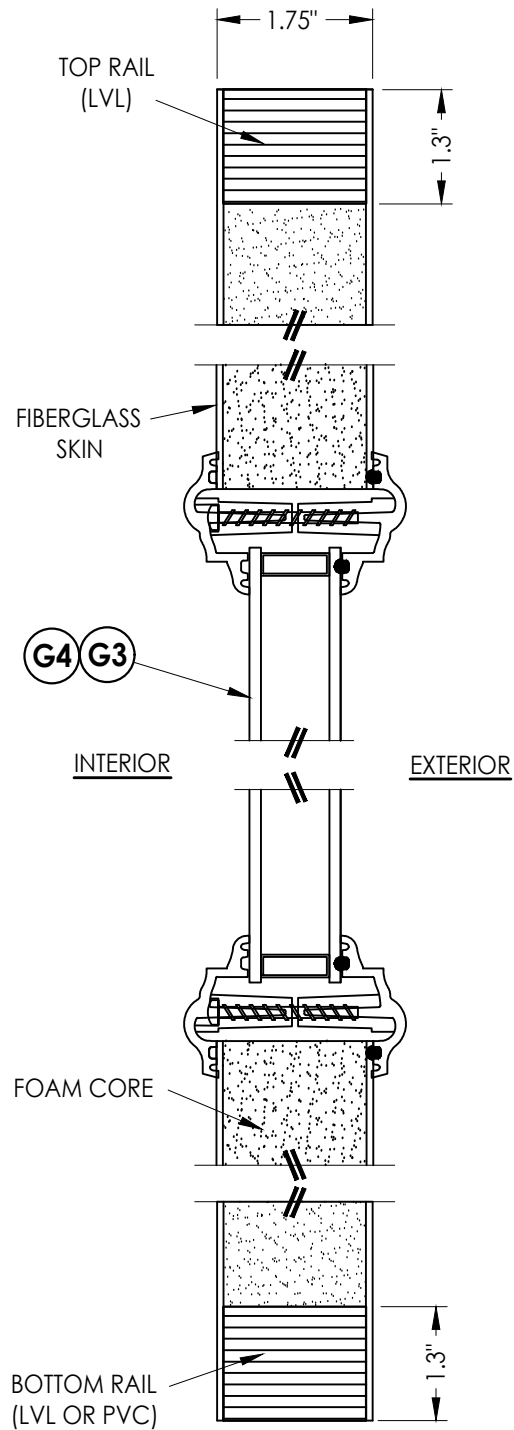
G3 **GLAZING DETAIL**



G4 **GLAZING DETAIL**
DECORATIVE GLASS



A3 **LIP LITE FRAME**
HP POLYPROPYLENE



2
3 **VERTICAL CROSS SECTION**

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

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RW BUILDING CONSULTANTS, INC.
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PRODUCT: **TRINITY GLASS INT'L**

PART OR ASSEMBLY:
**SIDELITE PANEL DETAILS
(LIP LITE FRAME)**

NO.	DATE	REVISIONS			
		DATE	BY	CHK.	APP.
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
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.

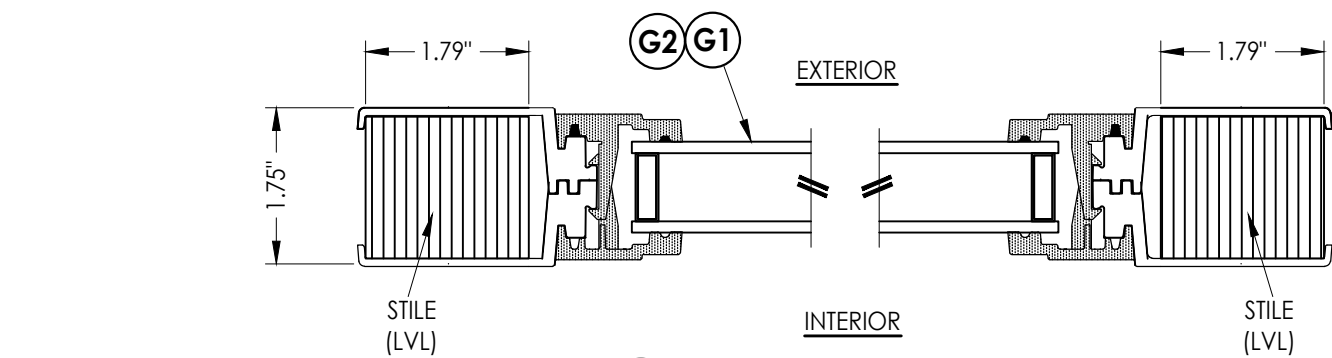
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CHK. BY: LFS

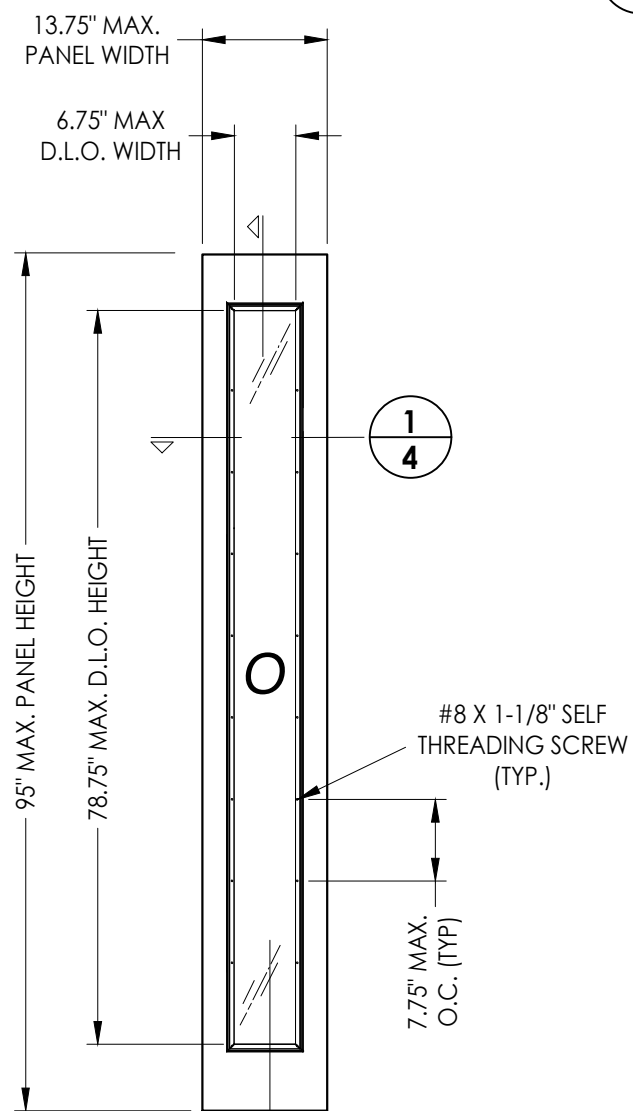
DRAWING NO.:

FL-25575.4

SHEET 3 OF 14



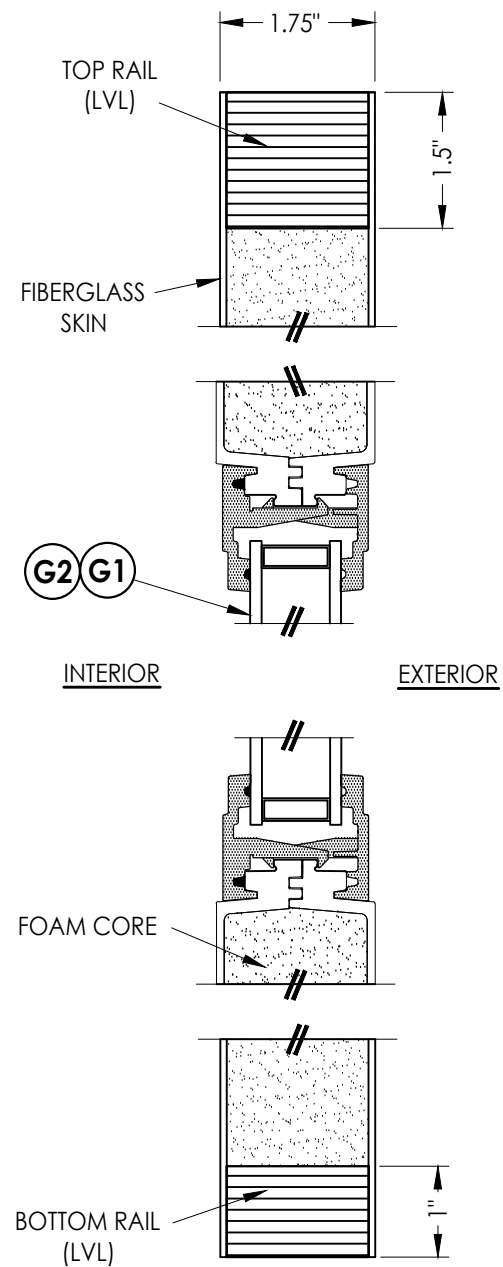
1 **HORIZONTAL CROSS SECTION**




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

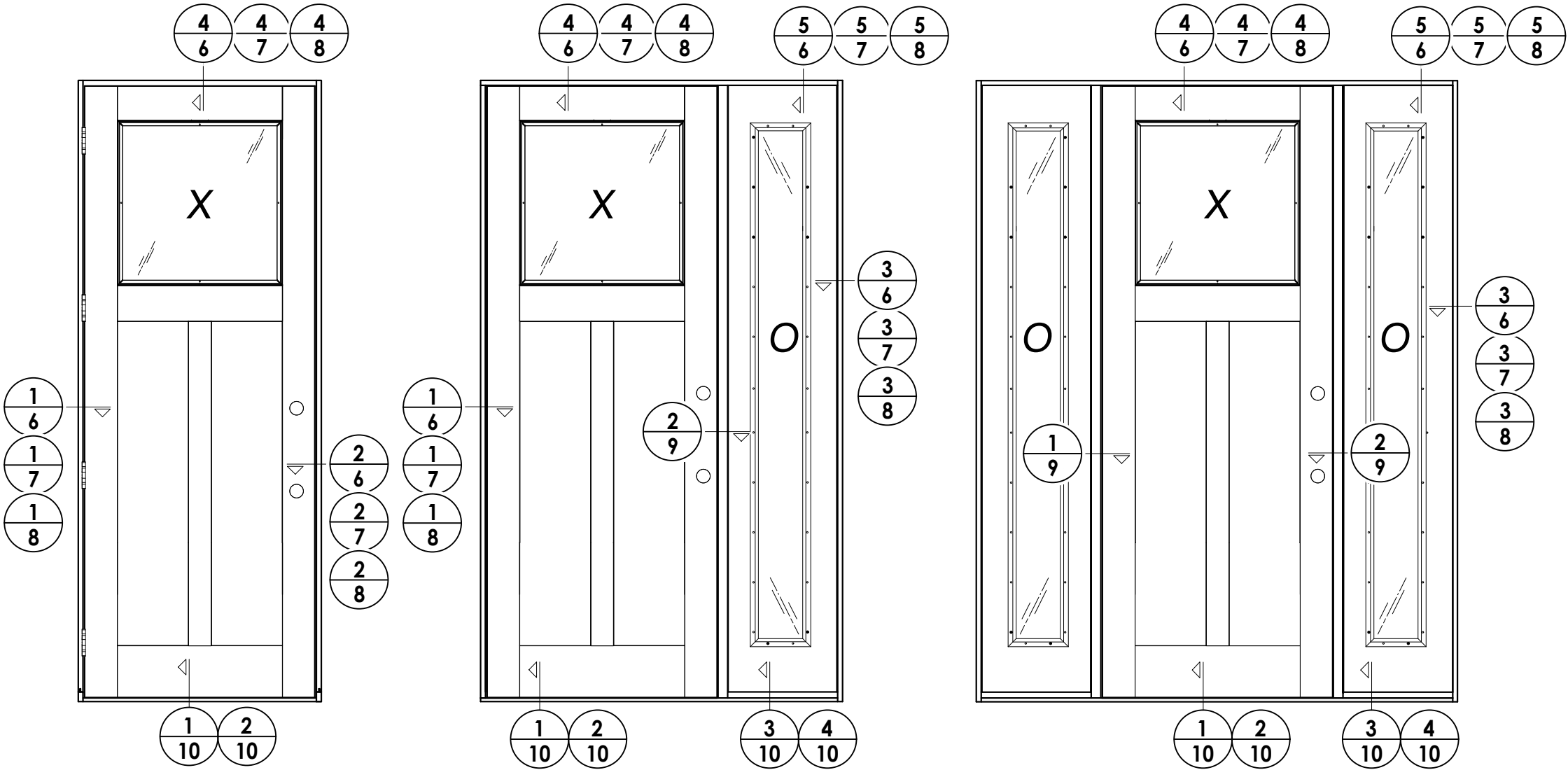


2 VERTICAL CROSS SECTION
4

[illegible]

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

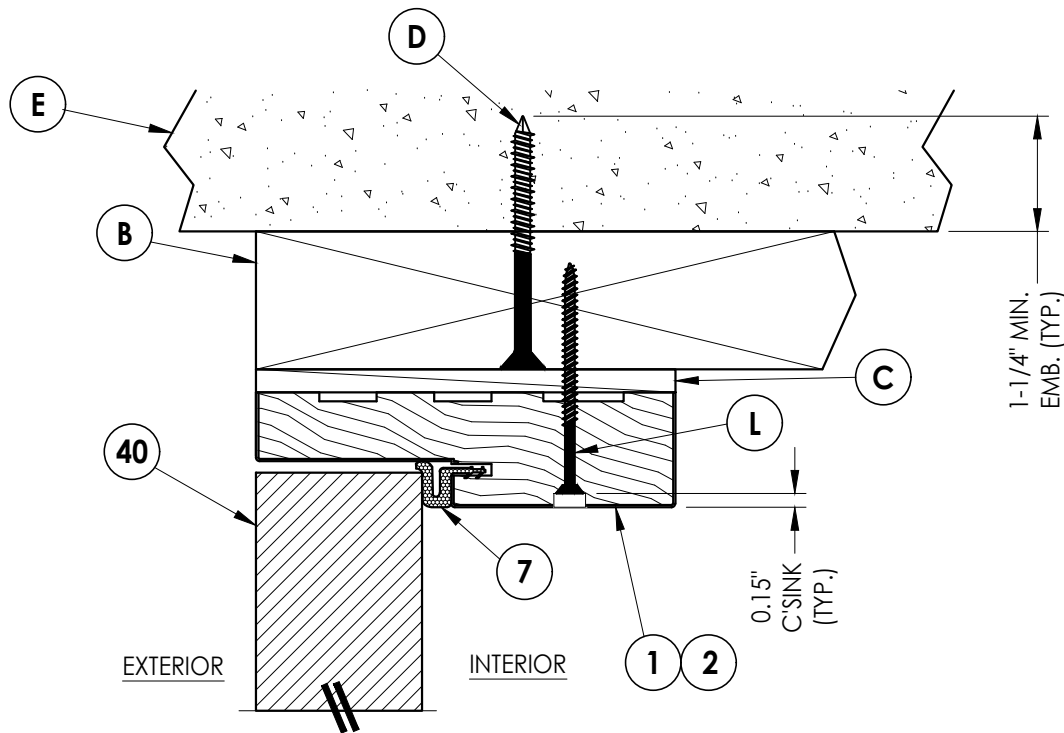
PRODUCT:		TRINITY GLASS INT'L	
PART OR ASSEMBLY:		ELEVATIONS	

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Lyndon F. Schmidt
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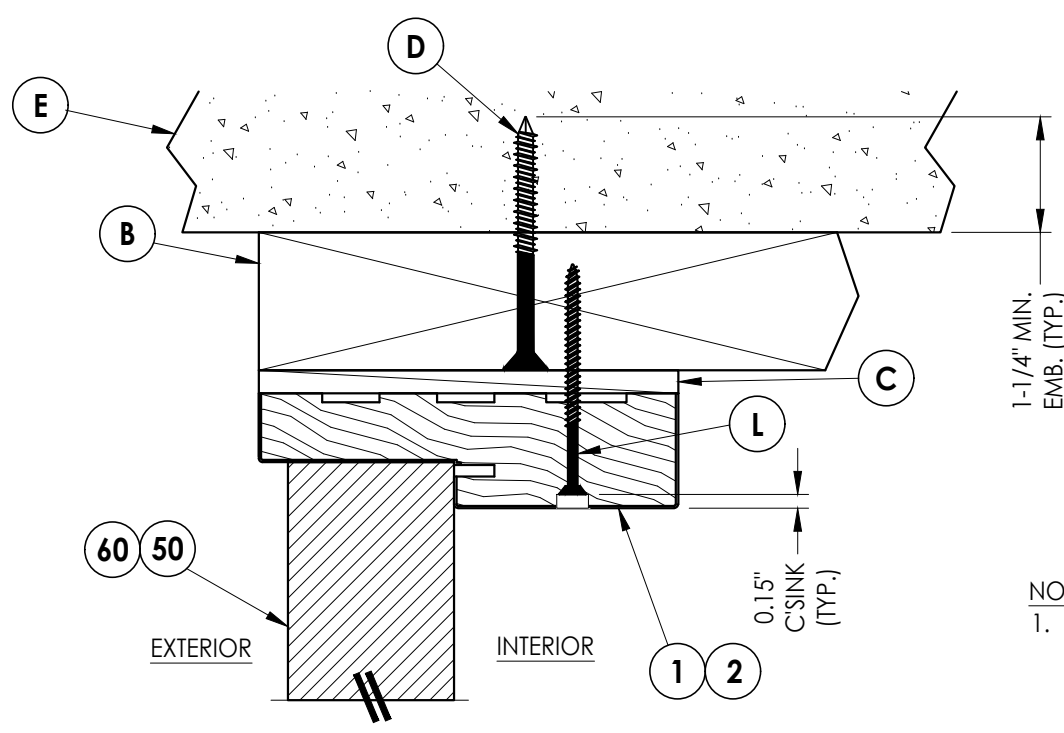
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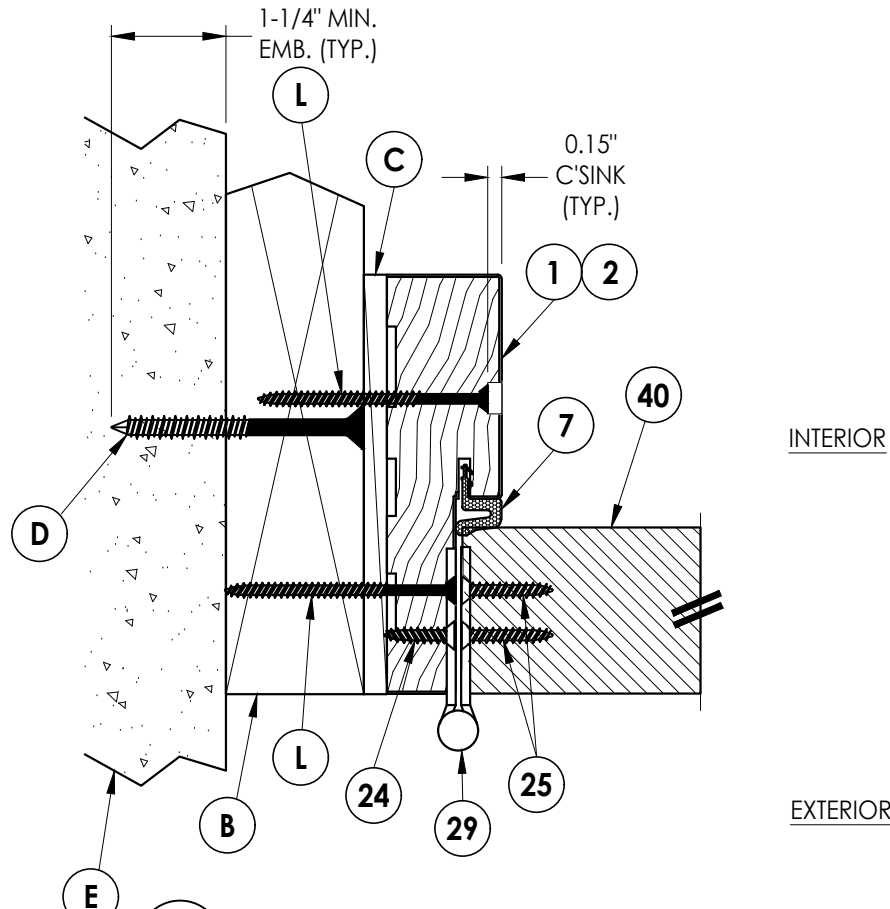


4 VERTICAL CROSS SECTION
6 Outswing shown - Inswing also approved

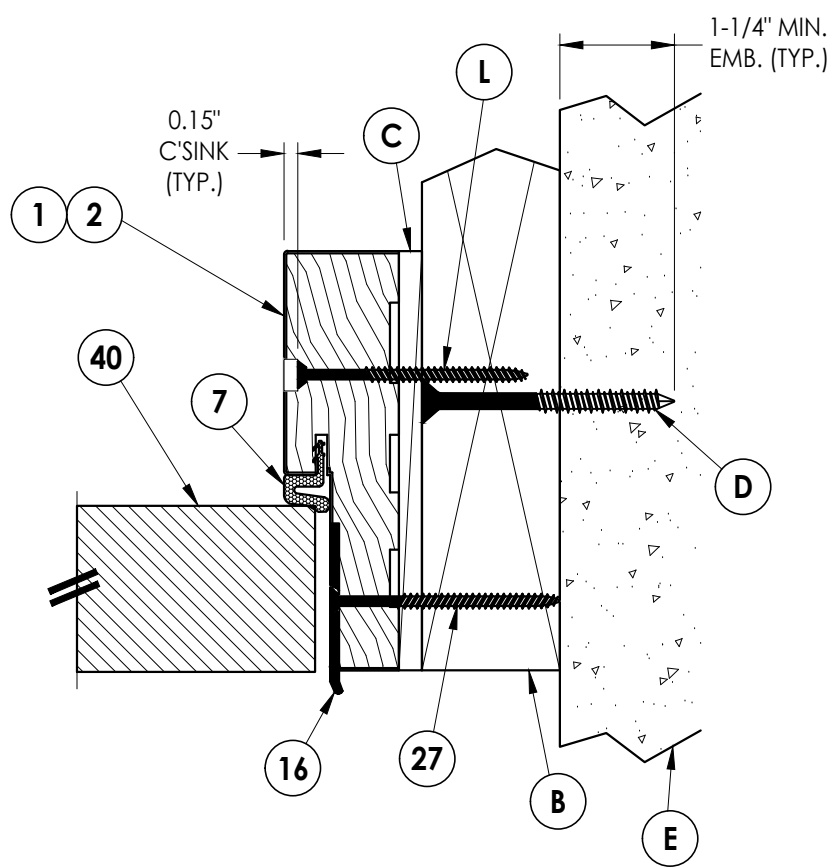


5 VERTICAL CROSS SECTION
6 Outswing shown - Inswing also approved

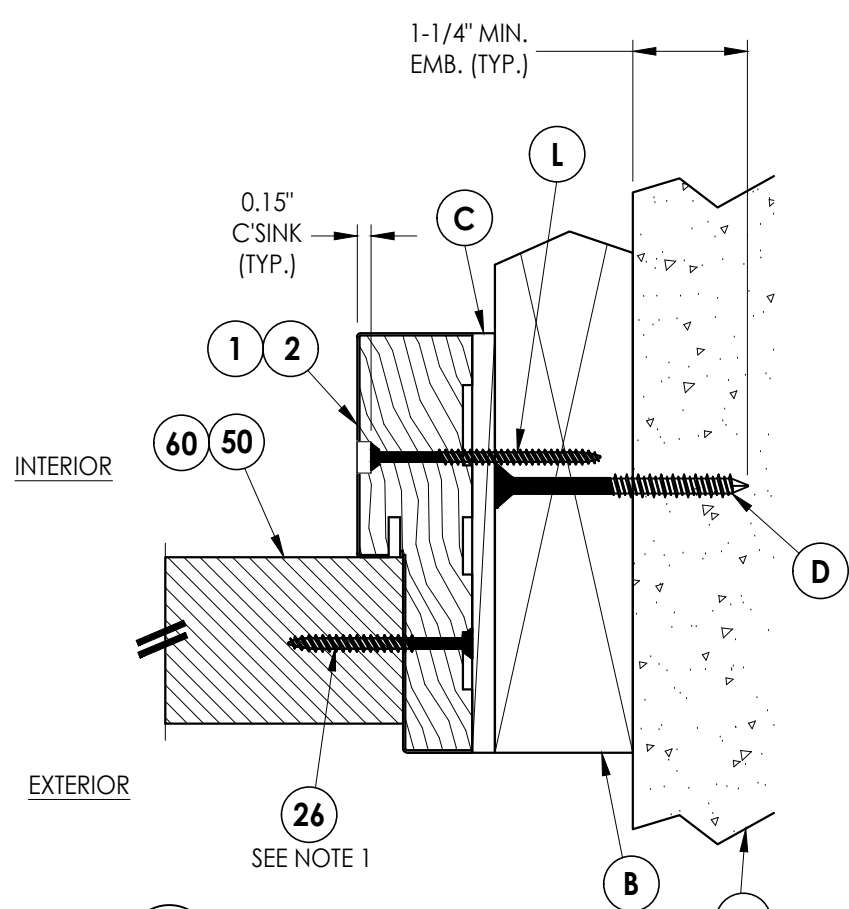
NOTE:
1. Item #26 located 6" from each end plus 2 more equally spaced (4 total).



1 HORIZONTAL CROSS SECTION
6 Outswing shown - Inswing also approved



2 HORIZONTAL CROSS SECTION
6 Outswing shown - Inswing also approved



3 HORIZONTAL CROSS SECTION
6 Outswing shown - Inswing also approved

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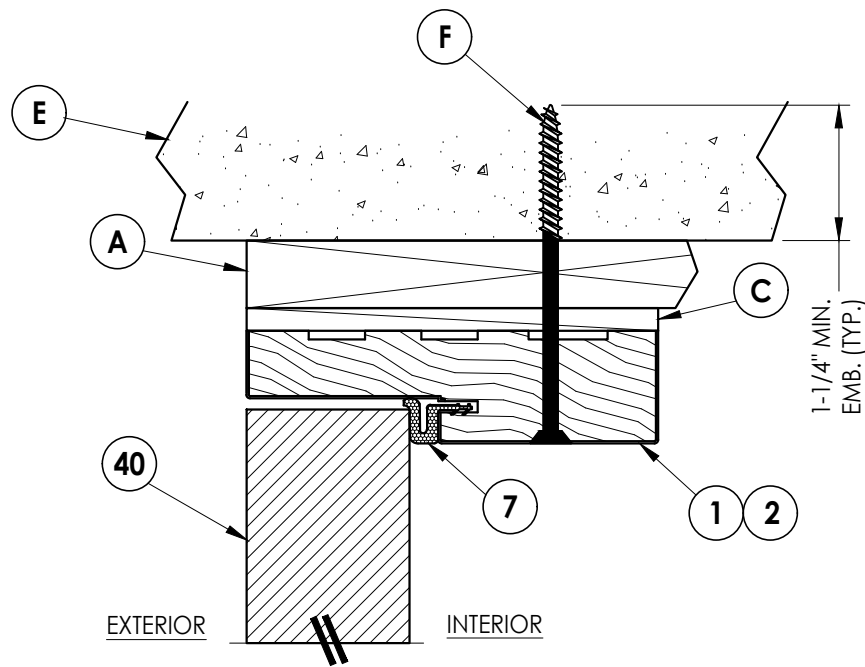
PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

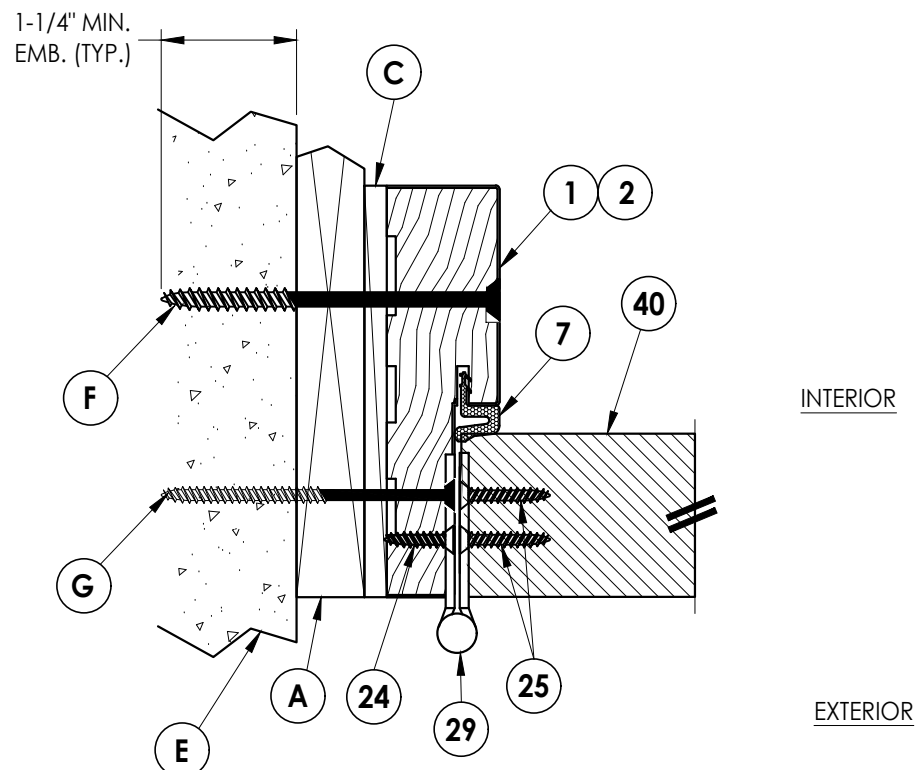
NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC

DATE: 1/28/20
SCALE: N.T.S.
DWG. BY: TRJ
CHK. BY: LFS
DRAWING NO.: FL-25575.4
SHEET 6 OF 14

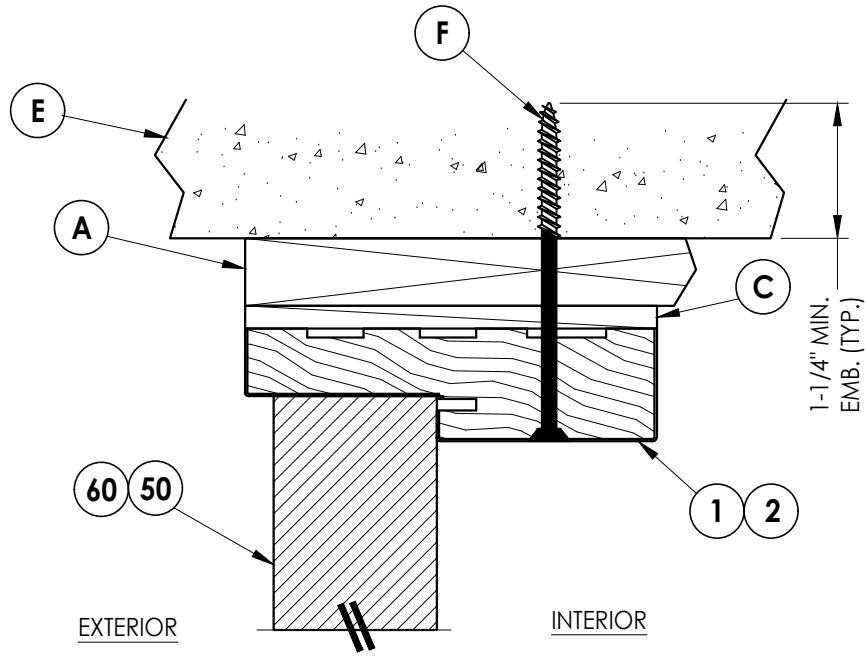
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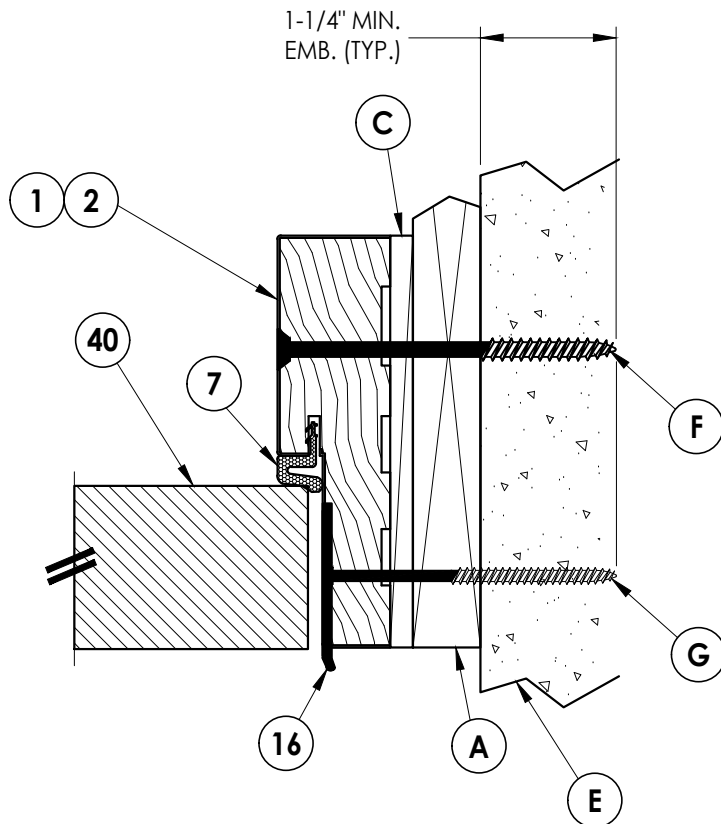
4
7 **VERTICAL CROSS SECTION**
Outswing shown - Inswing also approved



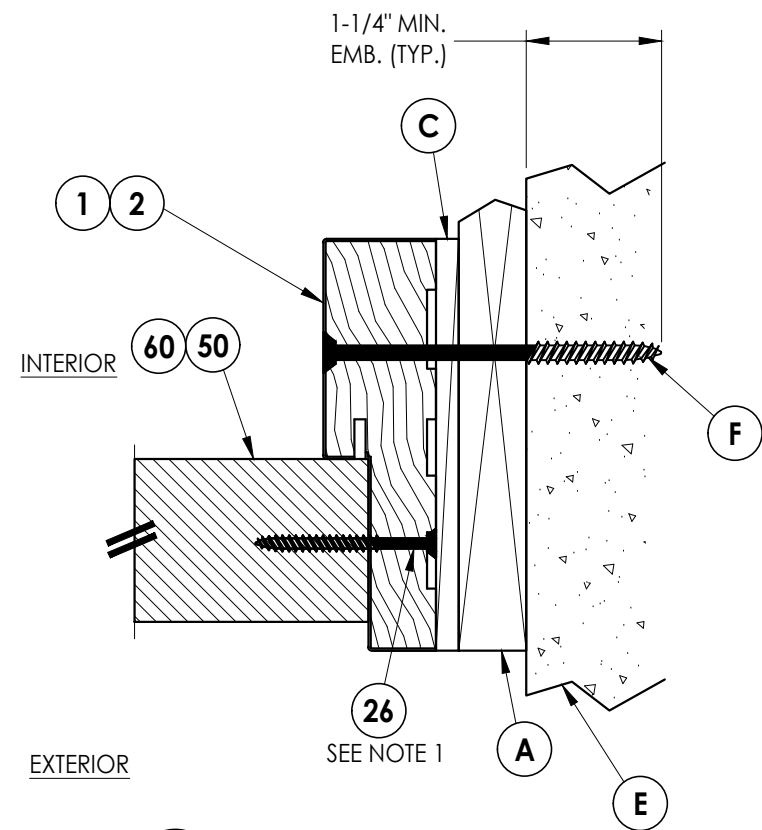
1
7 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved



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).

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PRODUCT: TRINITY GLASS INT'L

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

NO.	DATE	REVISIONS			
		DATE	BY	DAC	LFS
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
2	8/01/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	8/11/20	UPDATE TO 7th ED. (2020)	FBC		

DATE: 1/28/20

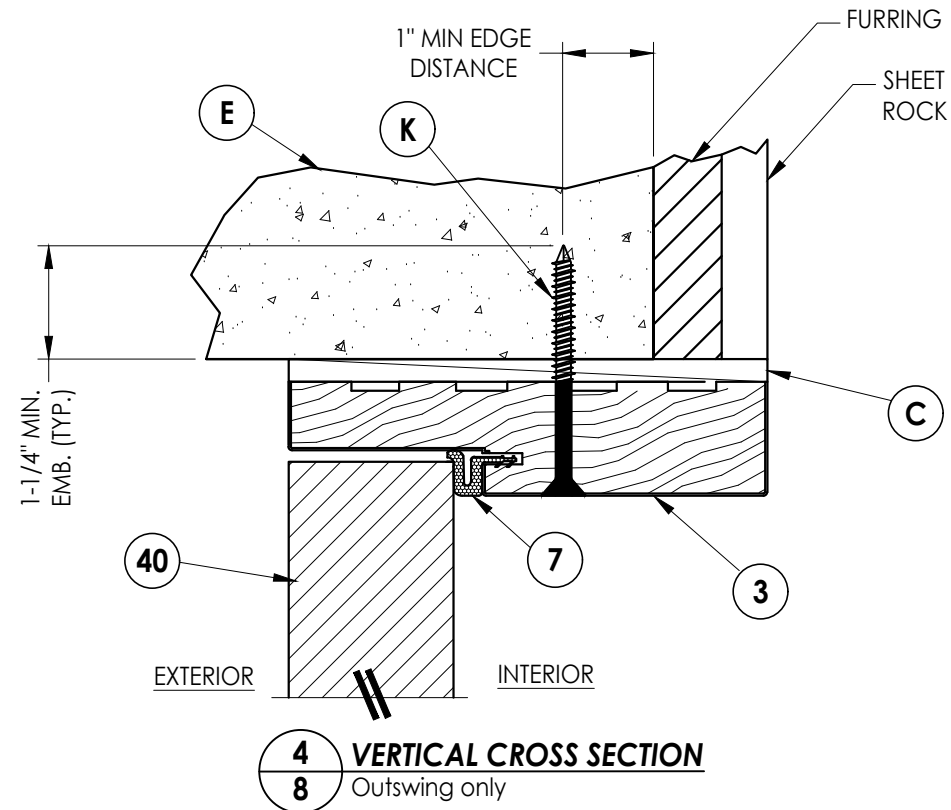
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CHK. BY: LFS

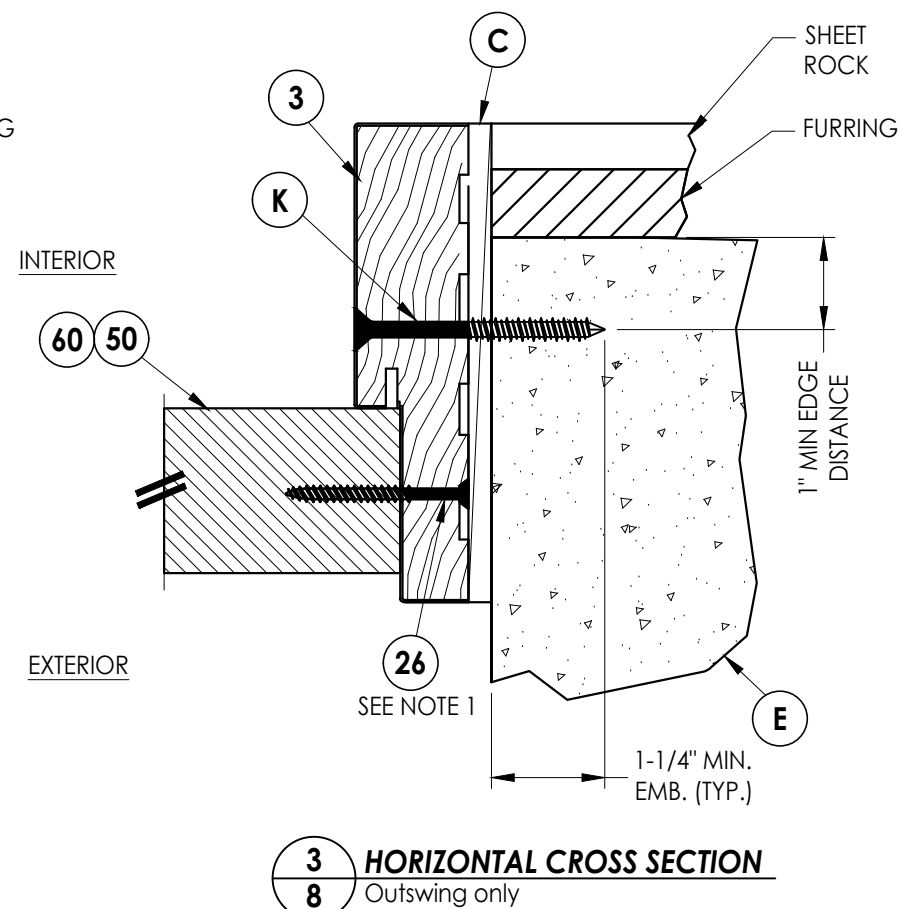
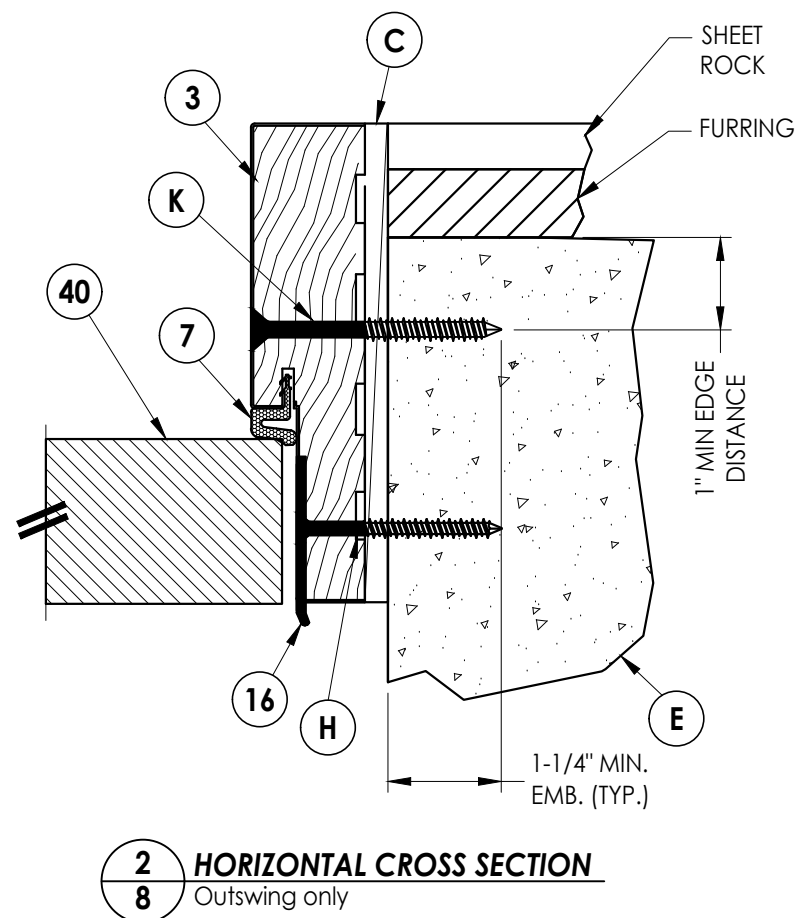
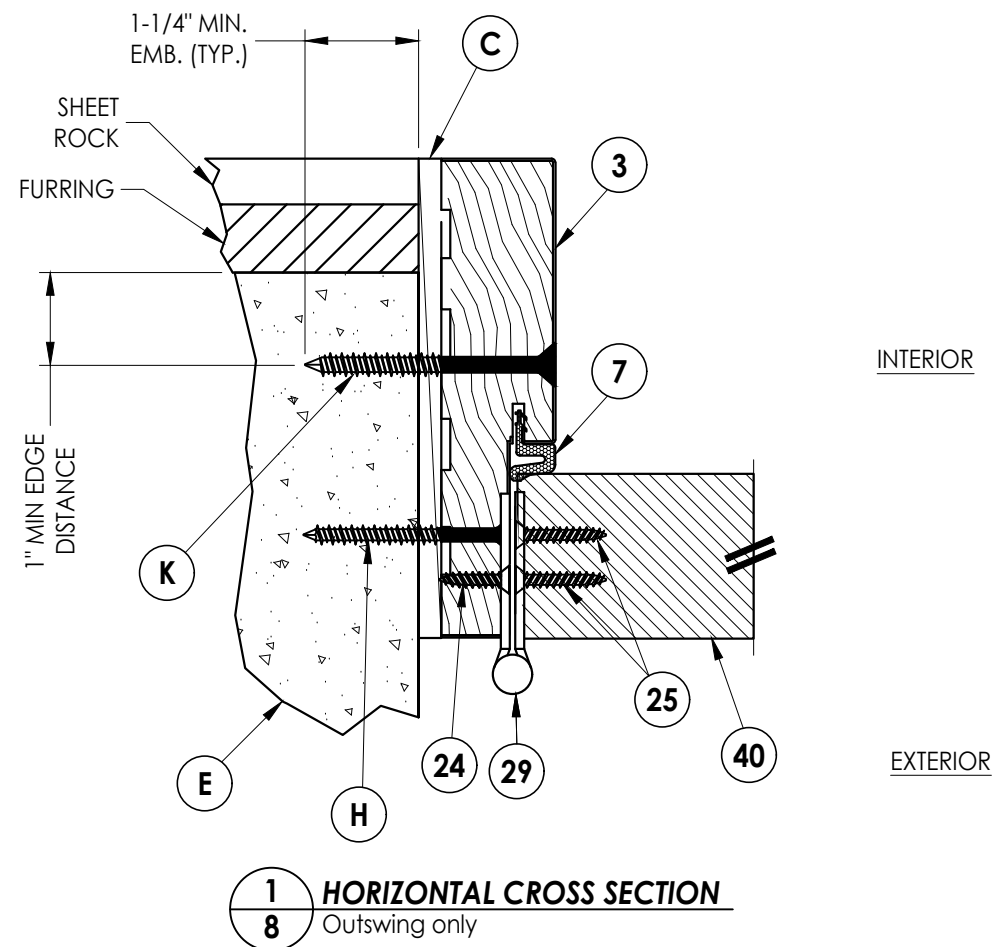
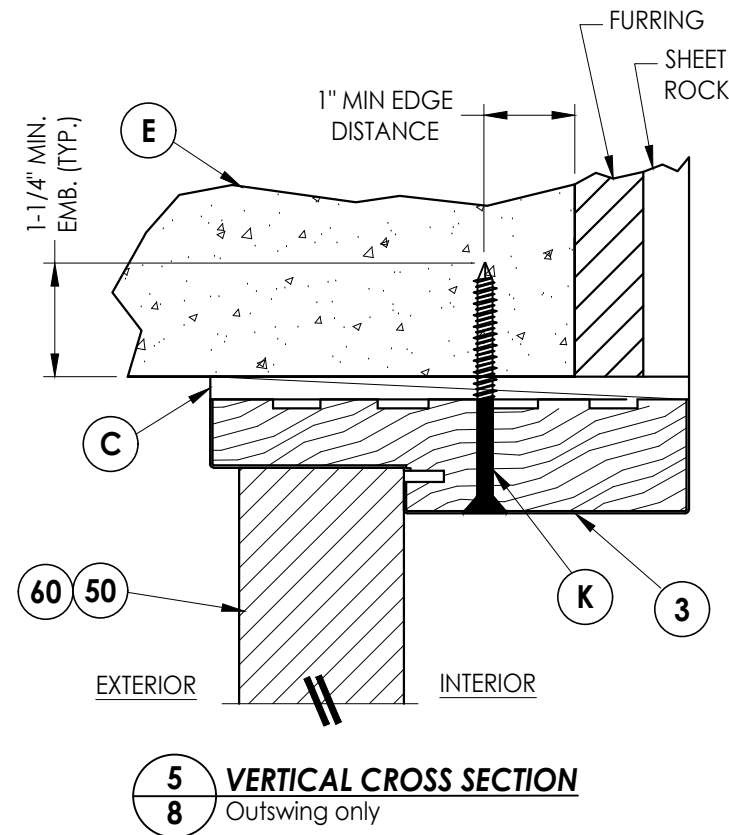
DRAWING NO.: FL-25575.4

SHEET 7 OF 14



NOTE:

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

[illegible]

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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

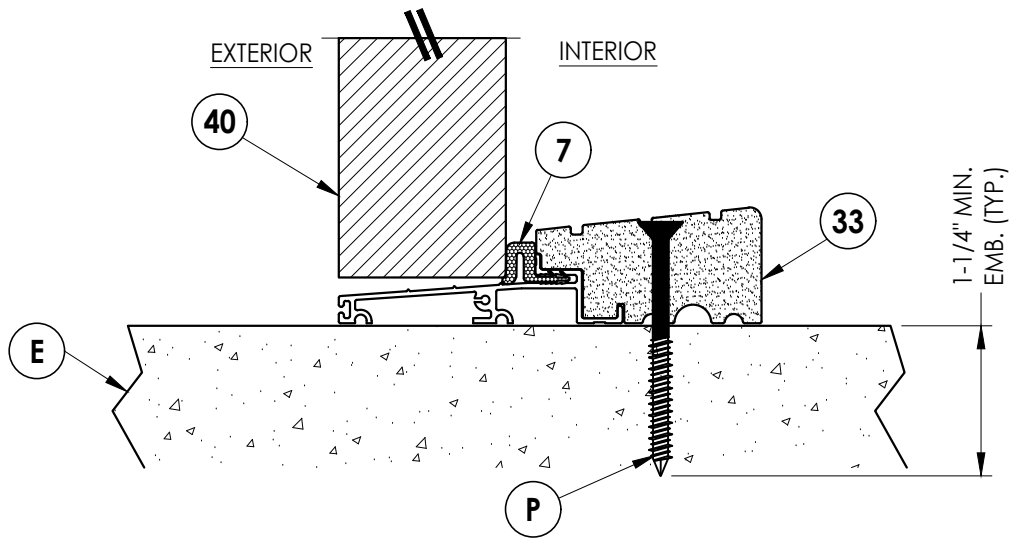


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2	8/01/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS		
1	8/11/20	UPDATE TO 7th ED.	(2020)	FBC	DAC		
NO.	DATE				BY		
						REVISIONS	
DATE: 1/28/20							
SCALE: N.T.S.							
DWG. BY: TRJ							
CHK. BY: LFS							
DRAWING NO.: FL-25575.4							
SHEET 9 OF 14							

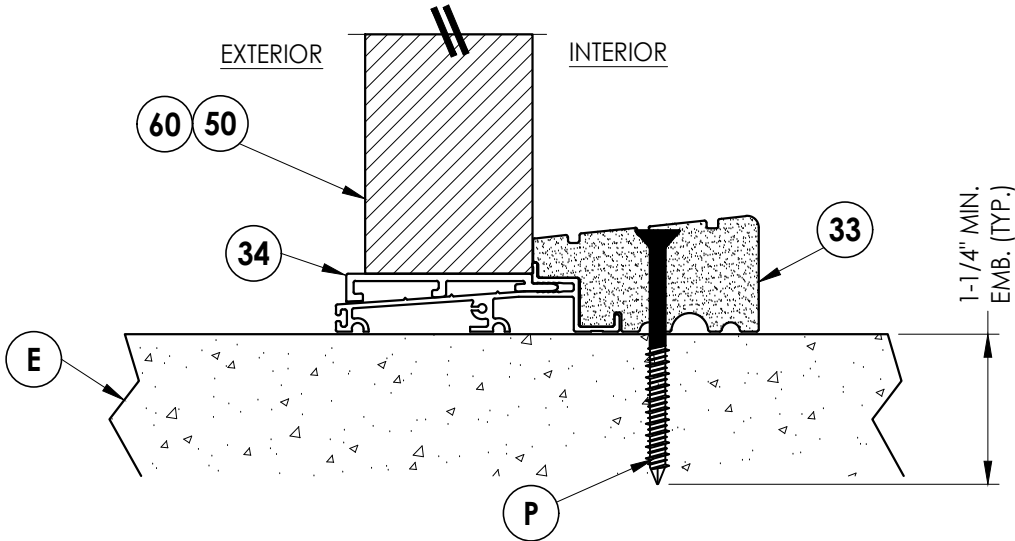
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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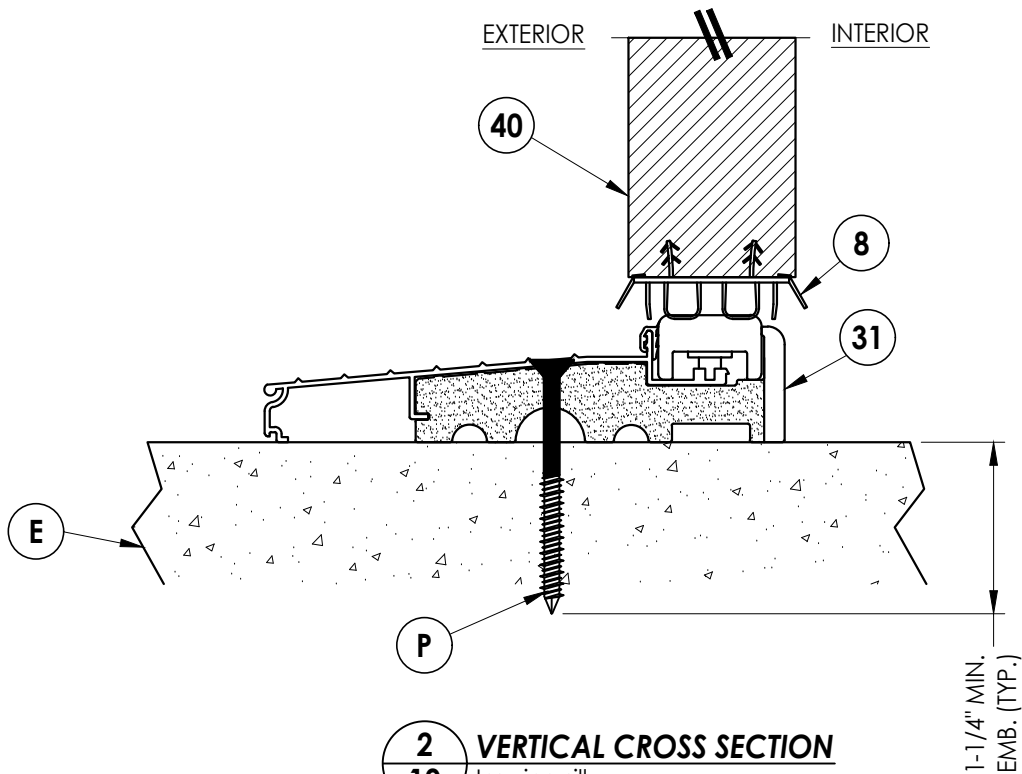
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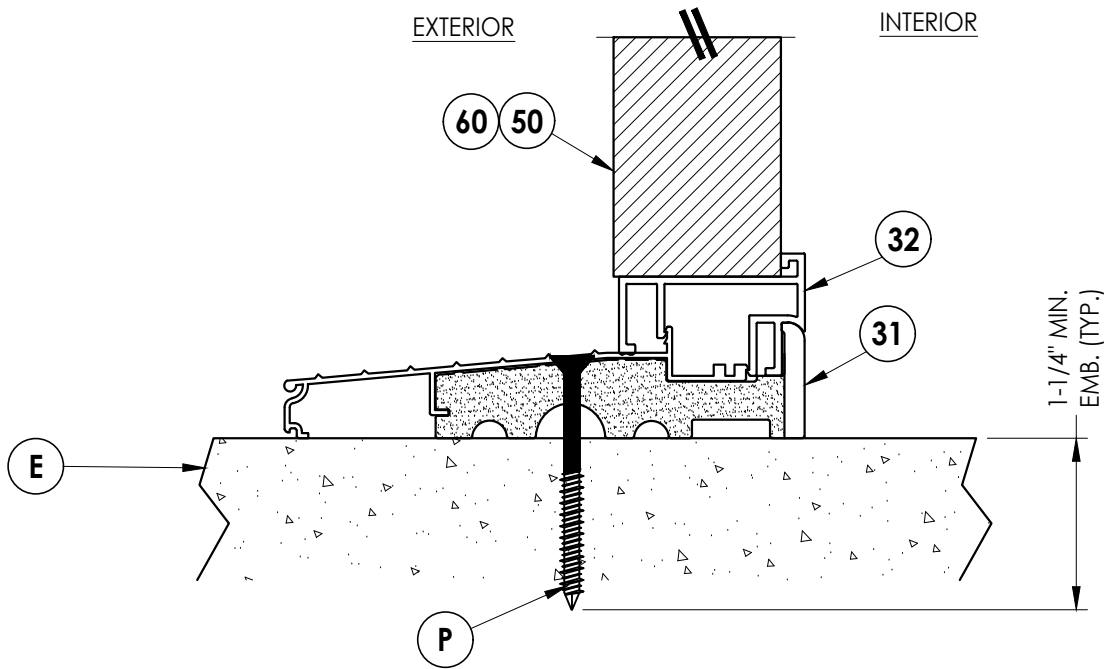
1
10 **VERTICAL CROSS SECTION**
Outswing sill - high dam



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



2
10 **VERTICAL CROSS SECTION**
Inswing sill



4
10 **VERTICAL CROSS SECTION**
Inswing sill

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PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
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

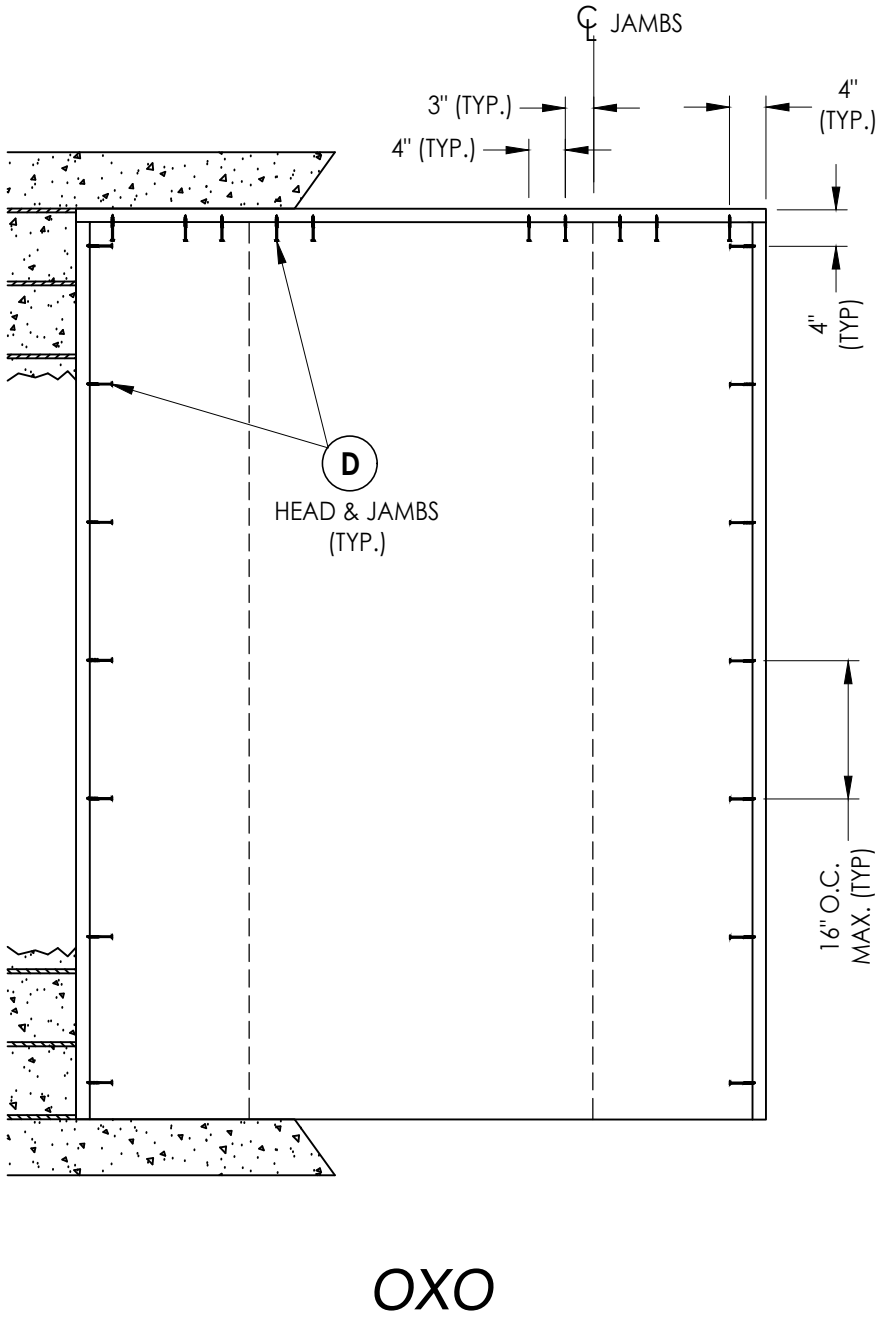
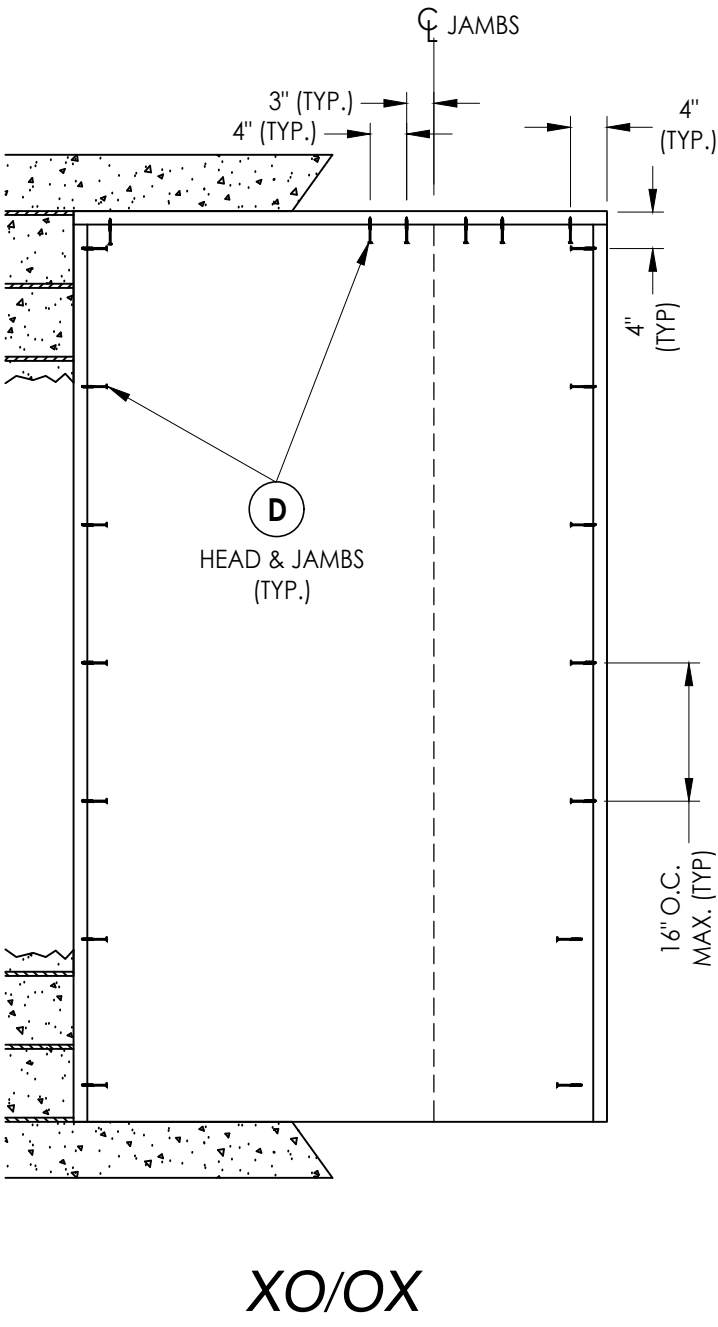
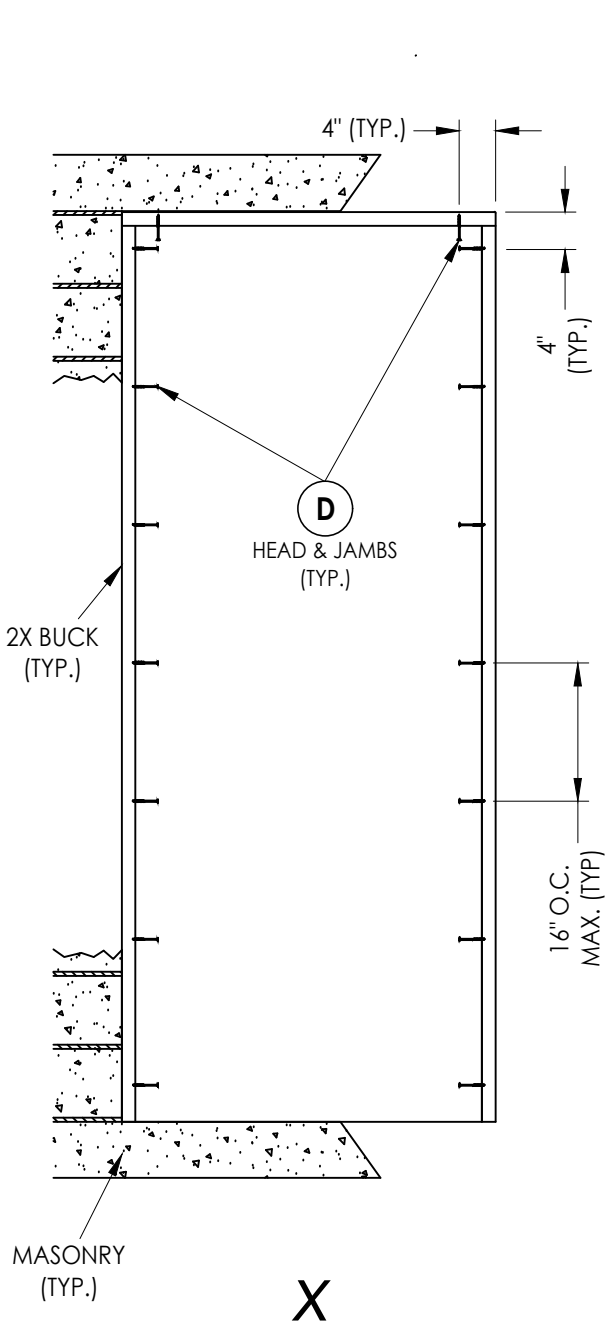
SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.: FL-25575.4

SHEET 10 OF 14



XO/OX

OXO

2X BUCK ANCHORING

DATE: 1/28/20	
SCALE: N.T.S.	
DWG. BY: TRJ	
CHK. BY: LFS	
DRAWING NO.: FL-25575.4	
SHEET 11	OF 14

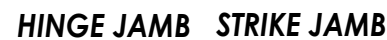
REVISIONS	
NO.	DATE
3	7/01/26
2	8/01/23
1	8/11/20

PRODUCT: TRINITY GLASS INT'L	
PART OR ASSEMBLY: BUCK ANCHORING	

Documents Prepared By:
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FBPE Registry No. 9813

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FRAME ANCHORING



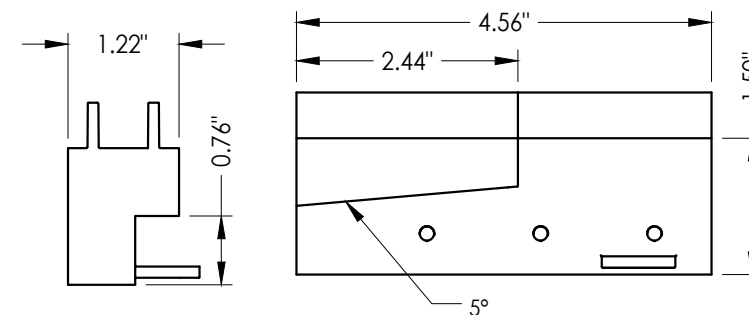
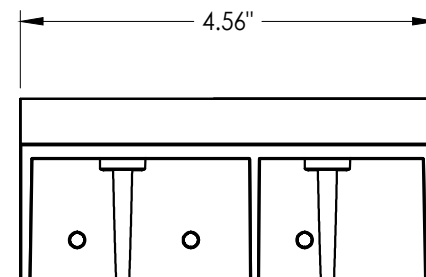
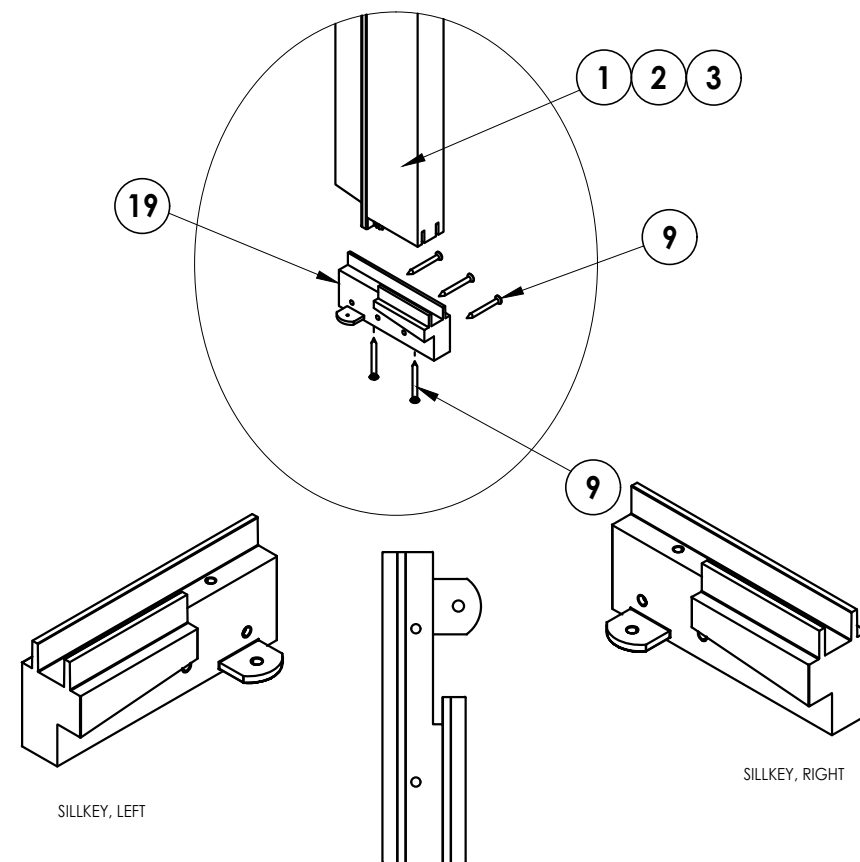
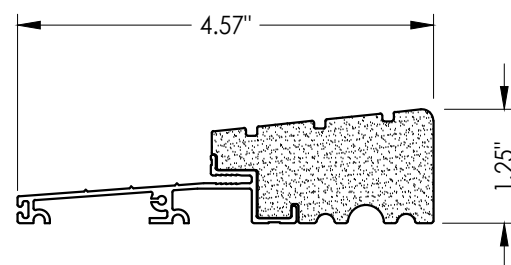
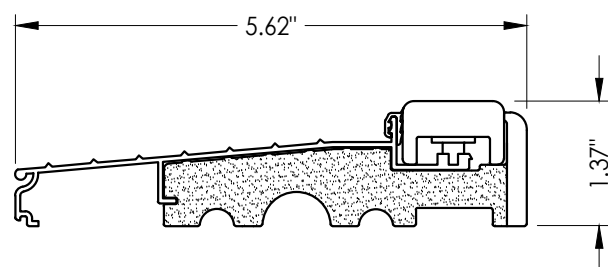
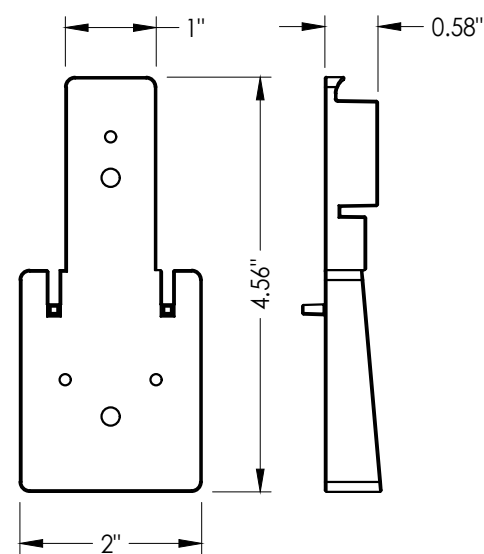
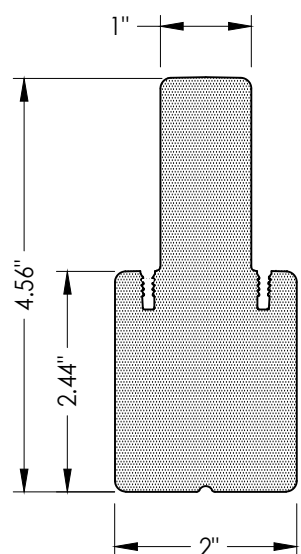
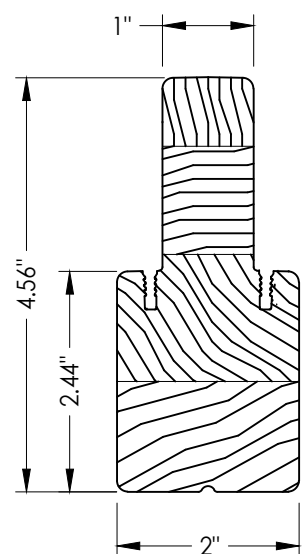
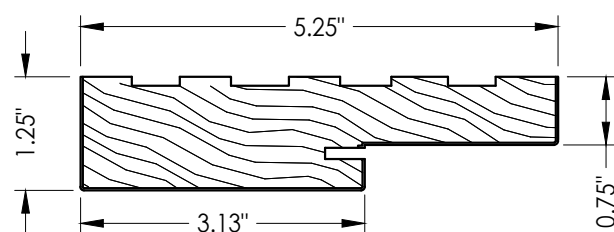
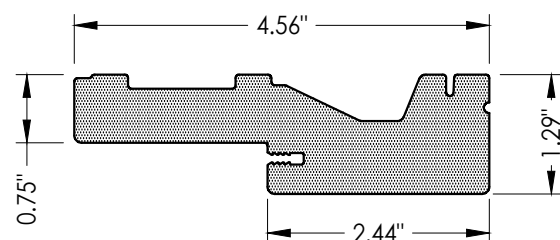
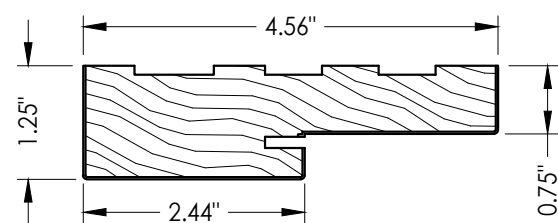
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FL-25575.4

SHEET 12 OF 14

R^gW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

[illegible]

DATE: 1/28/20

SCALE: *N.T.S.*

DWG. BY: *TRJ*

CHK. BY: *LFS*

DRAWING NO.:

FL-25575.4

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

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 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 ULTRA-CON®	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.

PRODUCT:		TRINITY GLASS INT'L		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PART OR ASSEMBLY:		BILL OF MATERIALS			
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
2	8/01/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	8/11/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
NO	DATE			BY	
					REVISIONS
DATE: 1/28/20					
SCALE: N.T.S.					
DWG. BY: TRJ					
CHK. BY: LFS					
DRAWING NO.: FL-25575.4					
SHEET 14 OF 14					