

"Lighthouse"

GLAZED FIBERGLASS DOUBLE DOOR

w/ or w/out SIDELITE(S)

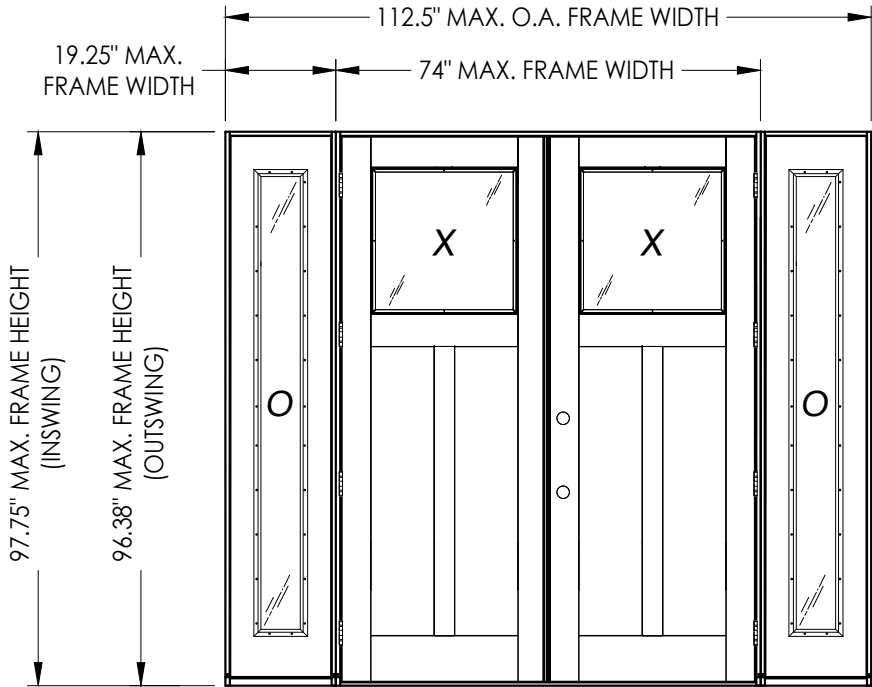
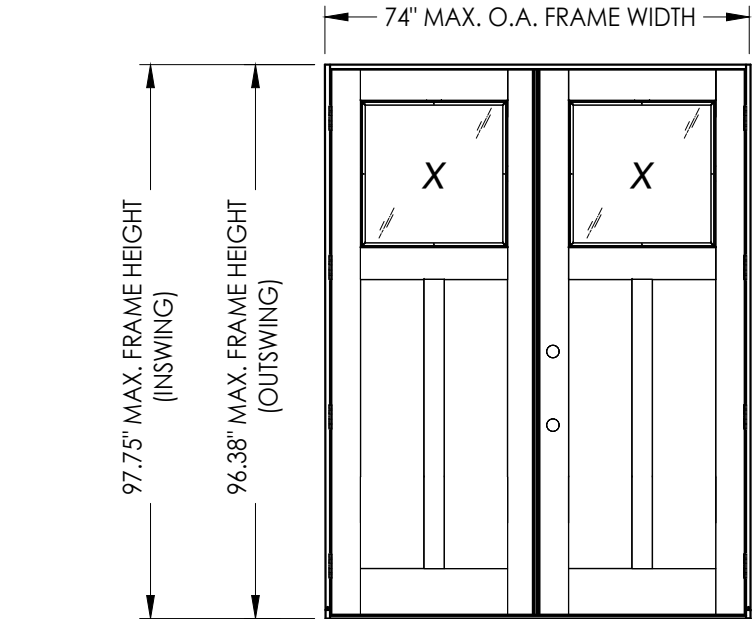
"NON-IMPACT"

INSWING / OUTSWING

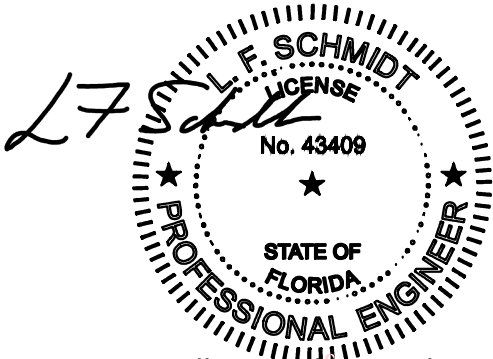
GENERAL NOTES

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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SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
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3	Sidelite panel details (Lip Lite Frame)
4	Sidelite panel details (Flush Glazing Frame)
5	Elevations
6	Horizontal and vertical cross sections (2x buck)
7	Horizontal and vertical cross sections (1x buck)
8	Horizontal and 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
XX, OXXO	FJ PINE	+45.0	-45.0	+40.0	-40.0
XX, OXXO	COMPOSITE	+45.0	-45.0	+45.0	-45.0



Digitally signed by Lyndon F Schmidt

Date: 2026.07.02 08:09:19 -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

PRODUCT:

TRINITY GLASS INT'L

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

DATE

NO.

BY

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

& REVISE ENDURA ULT. ASTRAGAL

DATE

NO.

BY

REVISIONS

DATE:

1/28/20

SCALE:

N.T.S.

DWG. BY:

TRJ

CHK. BY:

LFS

DRAWING NO.:

FL-25575.5

SHEET

1

OF

14

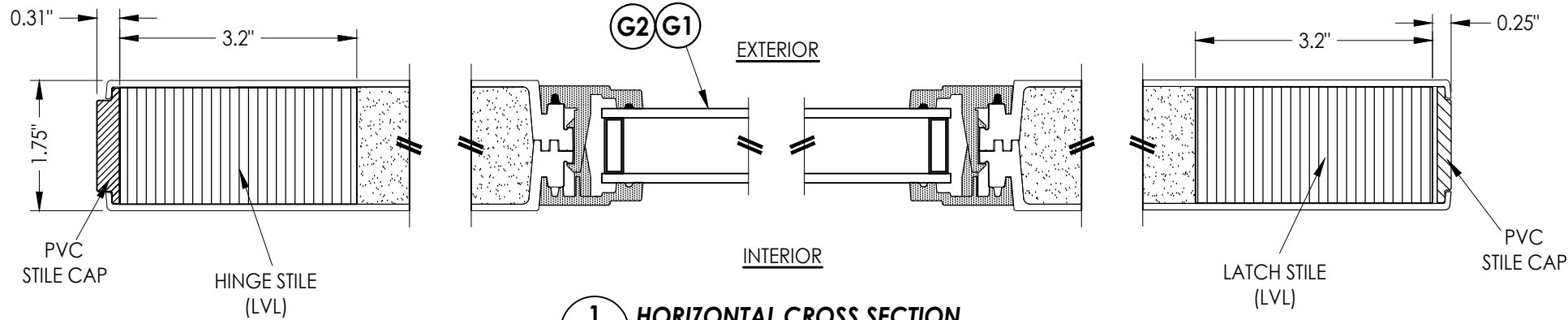
BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

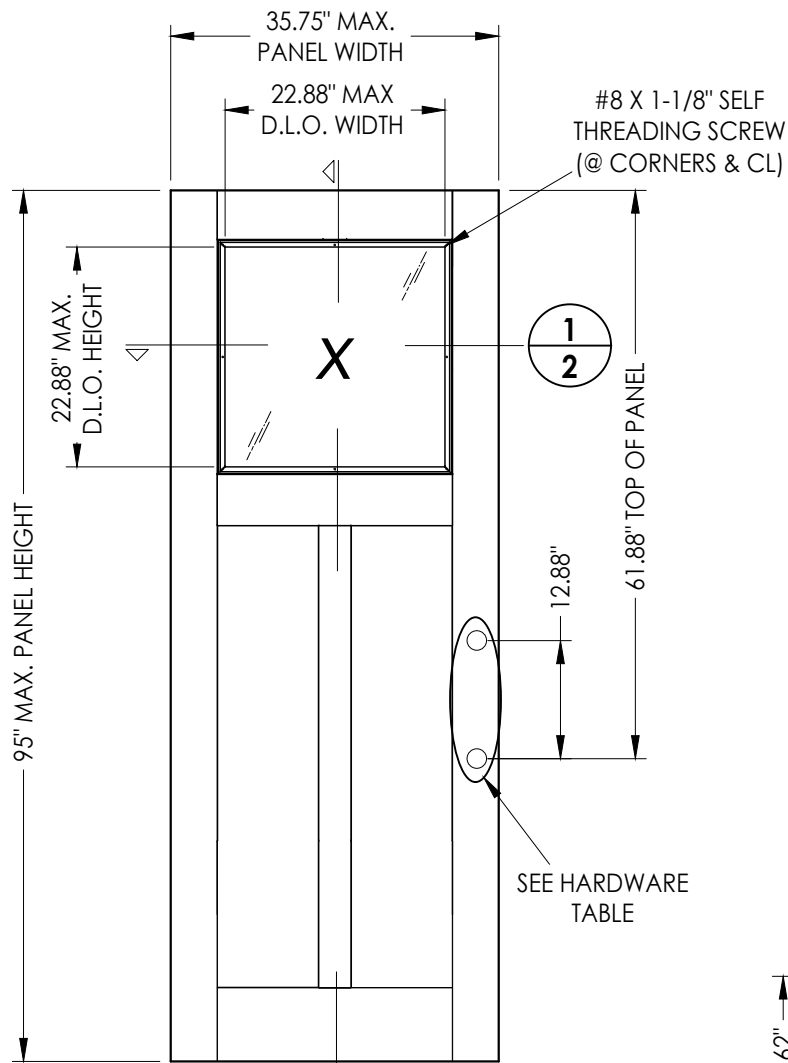
Phone No.: 813.659.9197

FBPE Registry No. 9813

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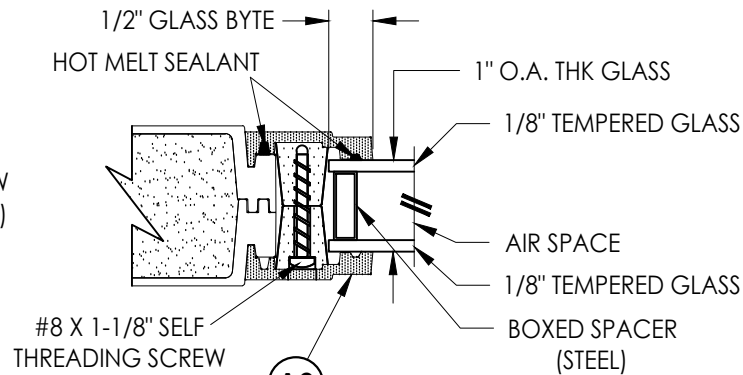


1
2 HORIZONTAL CROSS SECTION

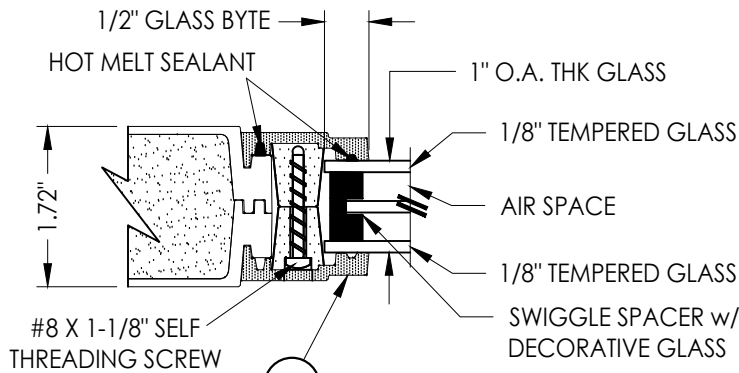


2
2 GLAZED DOOR PANEL
LIGHHOUSE

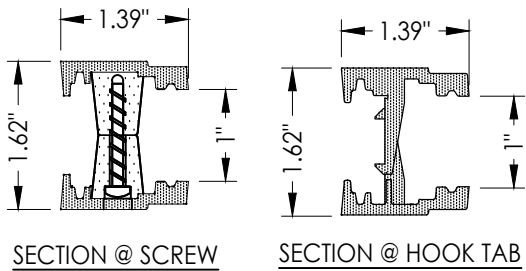
DOOR SKIN: 0.079" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM



G1 GLAZING DETAIL

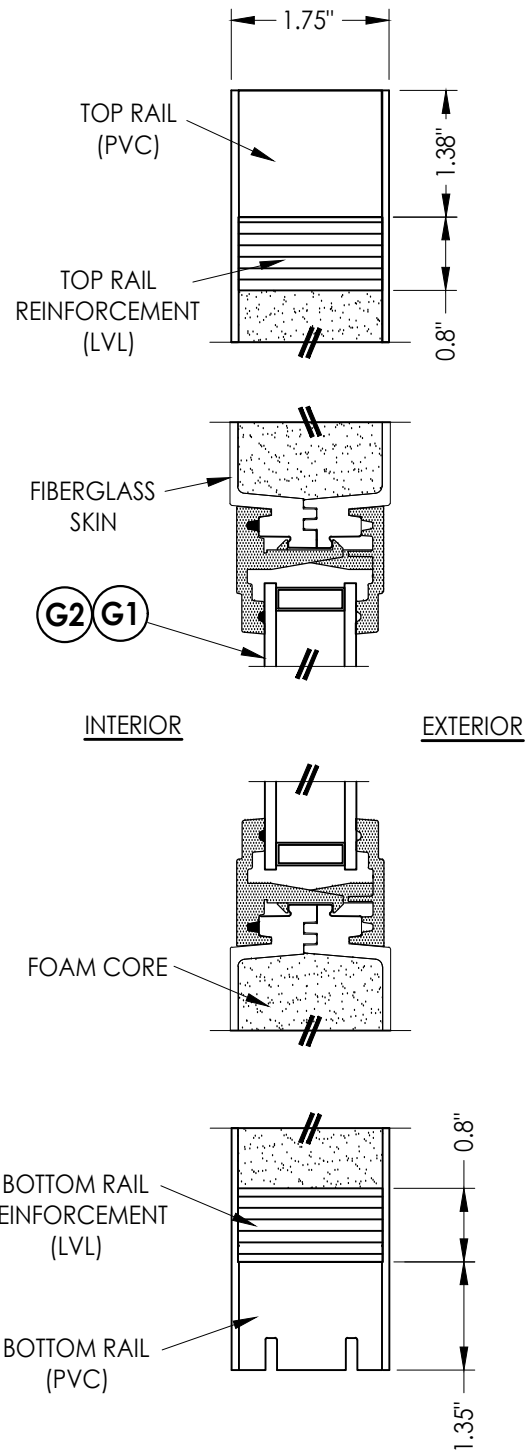


G2 GLAZING DETAIL
DECORATIVE GLASS



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

Documents Prepared By:
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FBPE Registry No. 9813

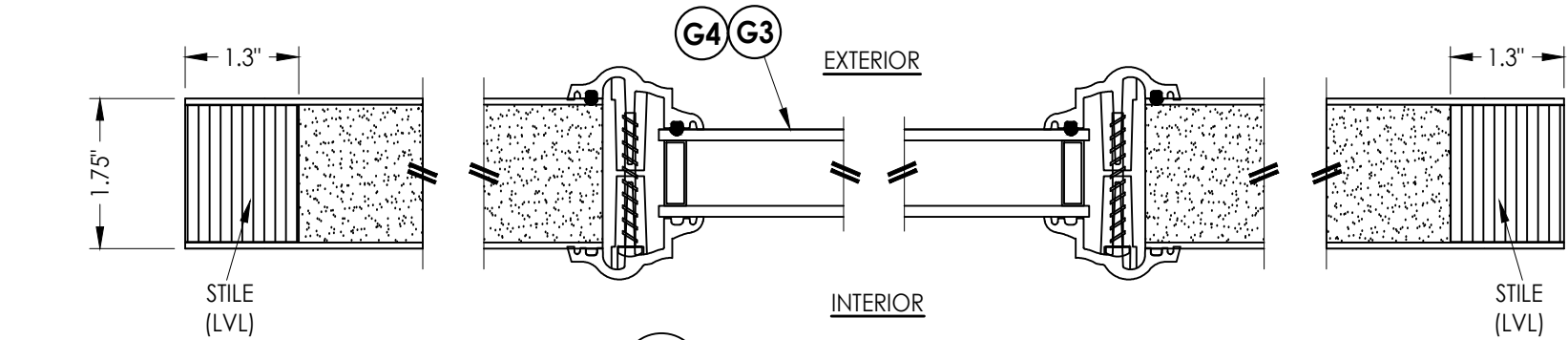
PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY:
DOOR PANEL DETAILS

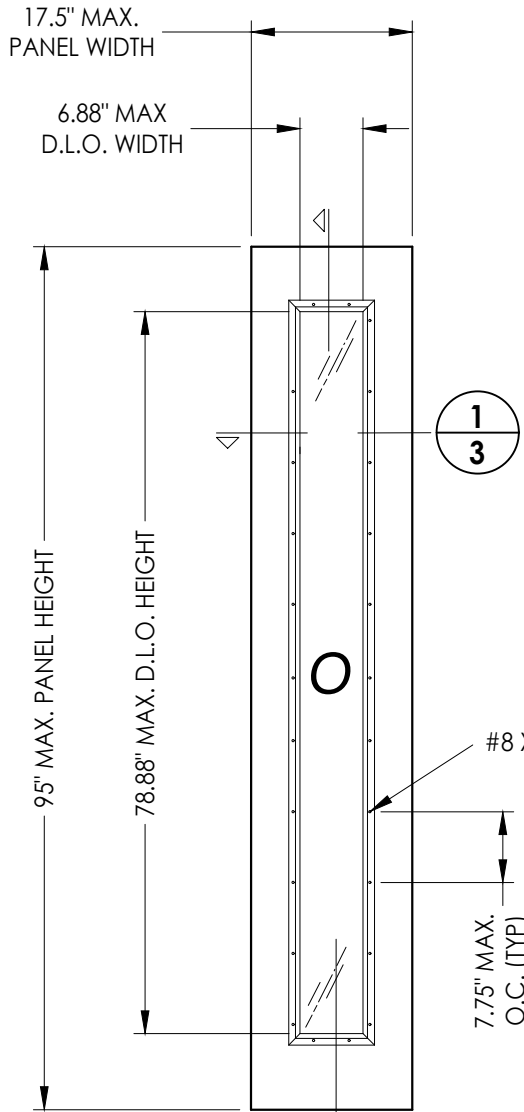
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2	8/01/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
		& REVISE ENDURA ULT. ASTRAGAL			

DATE:	1/28/20
SCALE:	N.T.S.
DWG. BY:	TRJ
CHK. BY:	LFS
DRAWING NO.:	FL-25575.5
SHEET	2 OF 14

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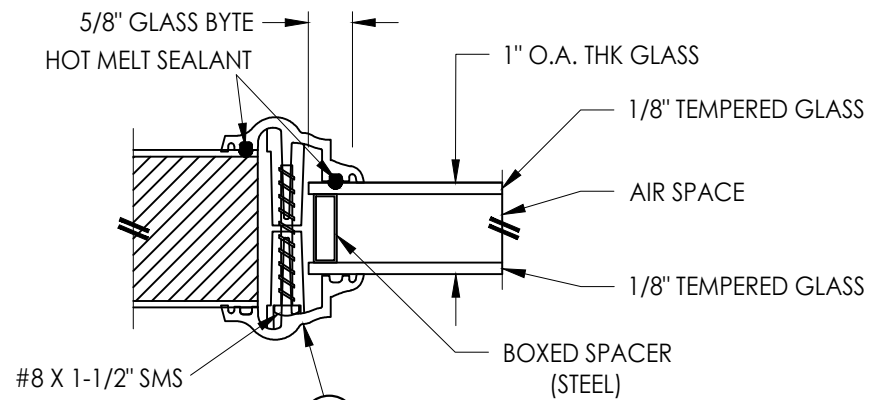


1
3 HORIZONTAL CROSS SECTION

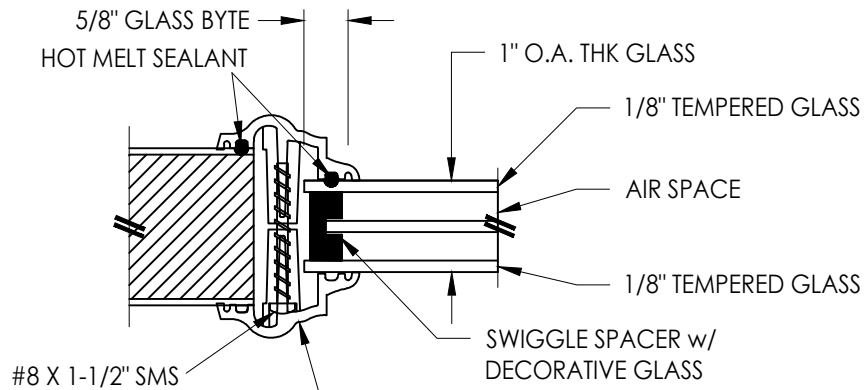


2
3

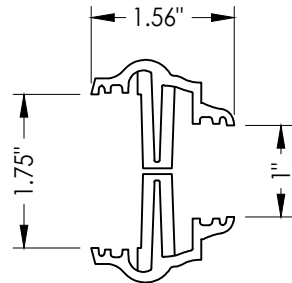
50 SIDELITE PANEL
LIGHTHOUSE



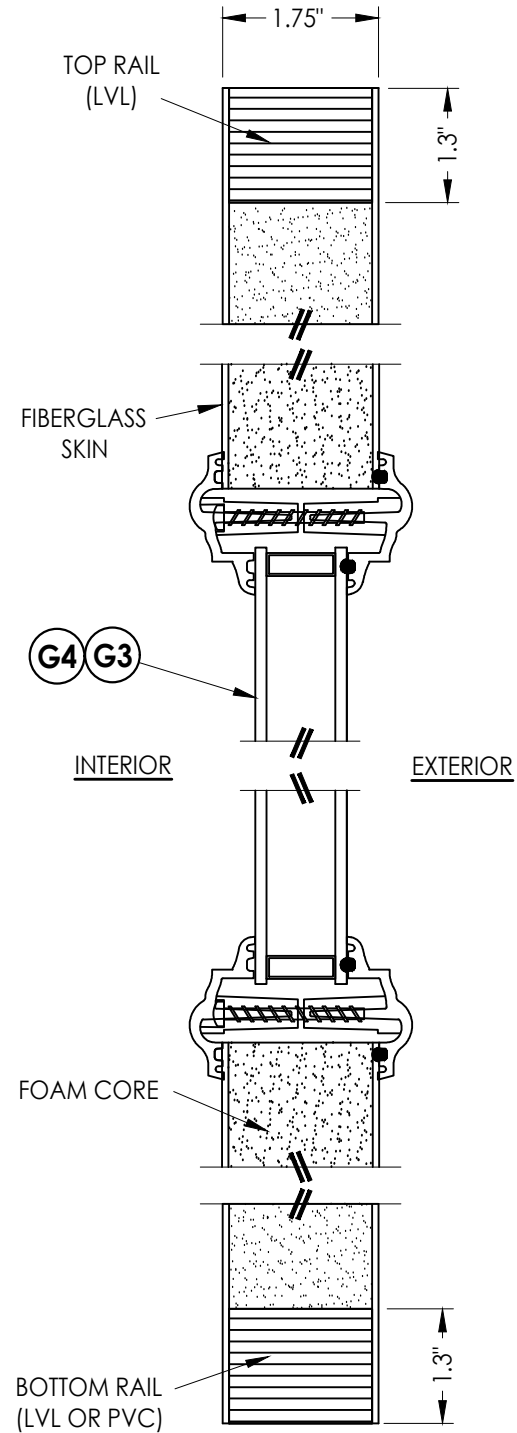
G3 GLAZING DETAIL



G4 GLAZING DETAIL
DECORATIVE GLASS



A3 FRAME
HP POLYPROPYLENE



2
3 VERTICAL CROSS SECTION

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

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: TRINITY GLASS INT'L

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

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
		& REVISE ENDURA ULT. ASTRAGAL

DATE: 1/28/20

SCALE: N.T.S.

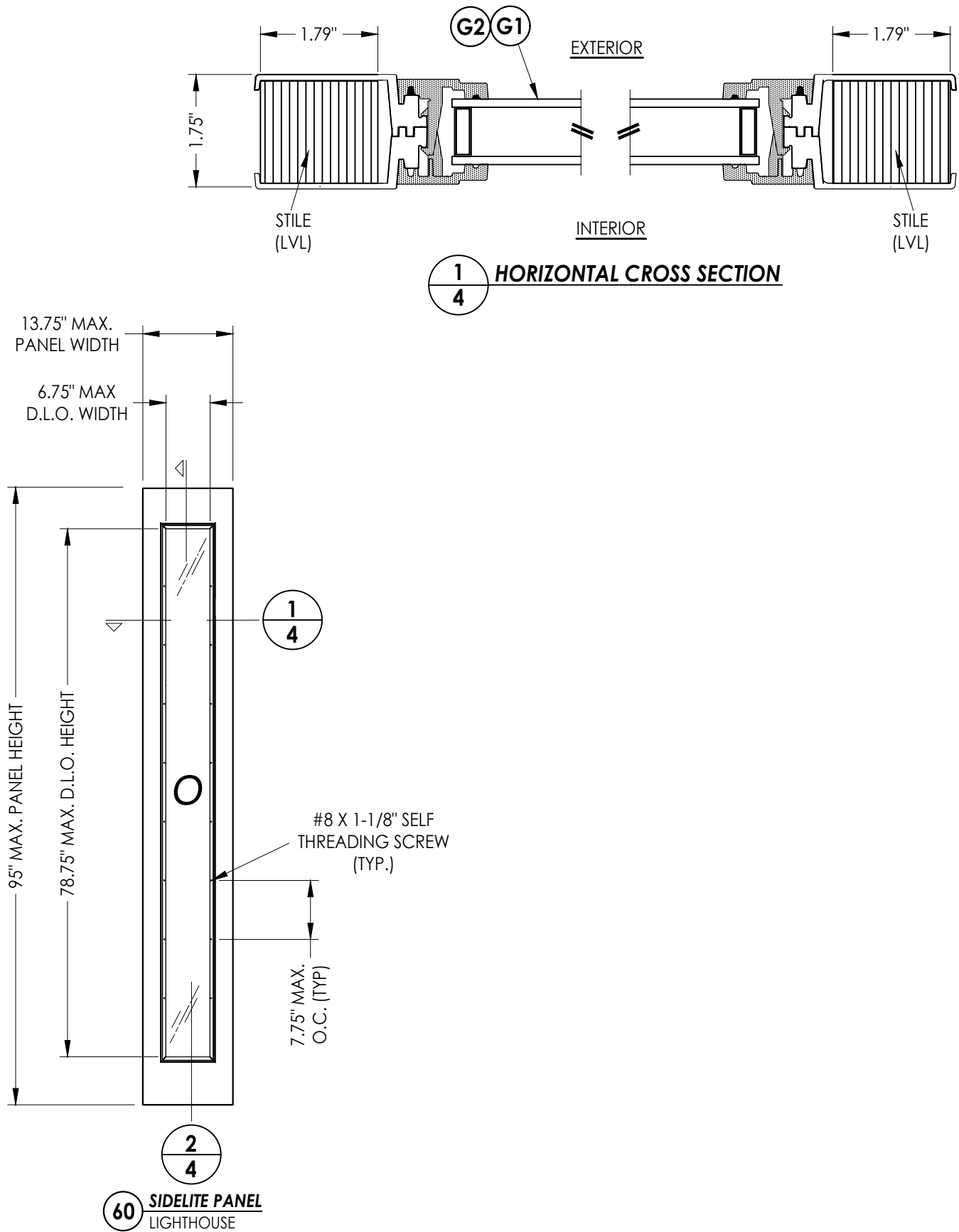
DWG. BY: TRJ

CHK. BY: LFS

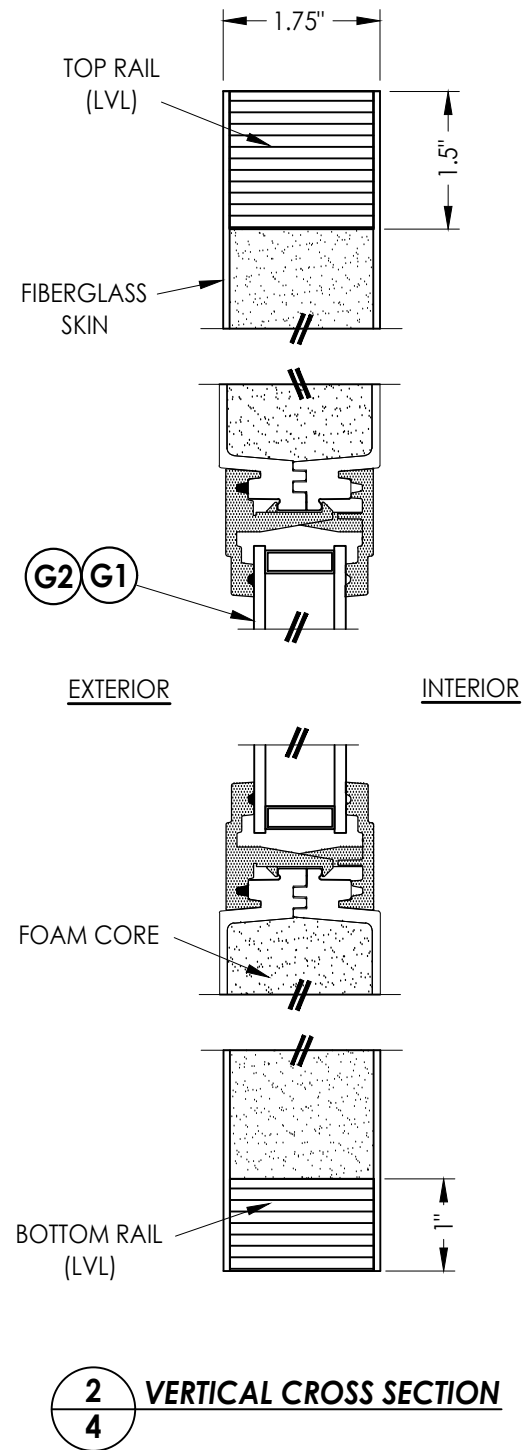
DRAWING NO.:

FL-25575.5

SHEET 3 OF 14

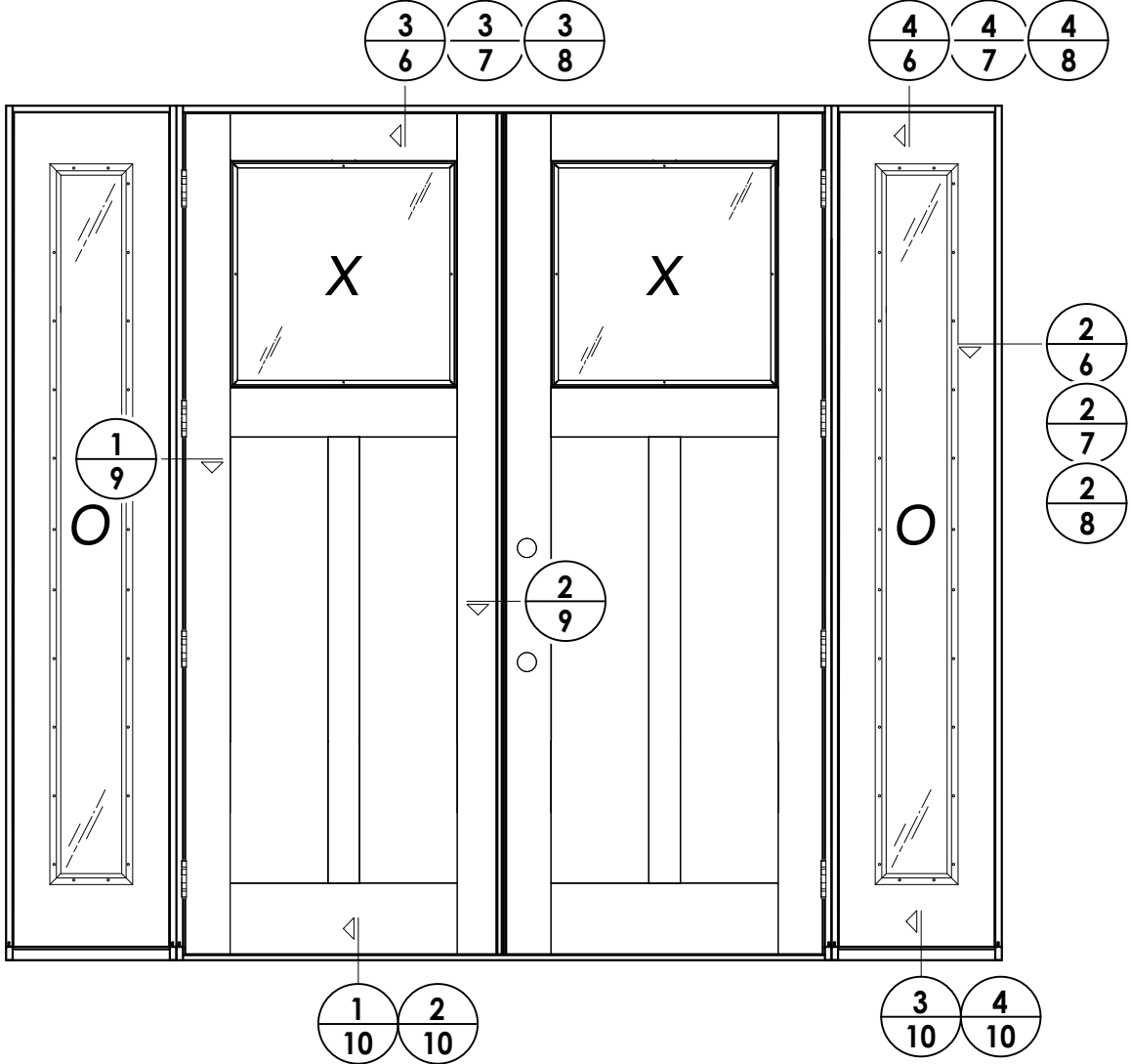
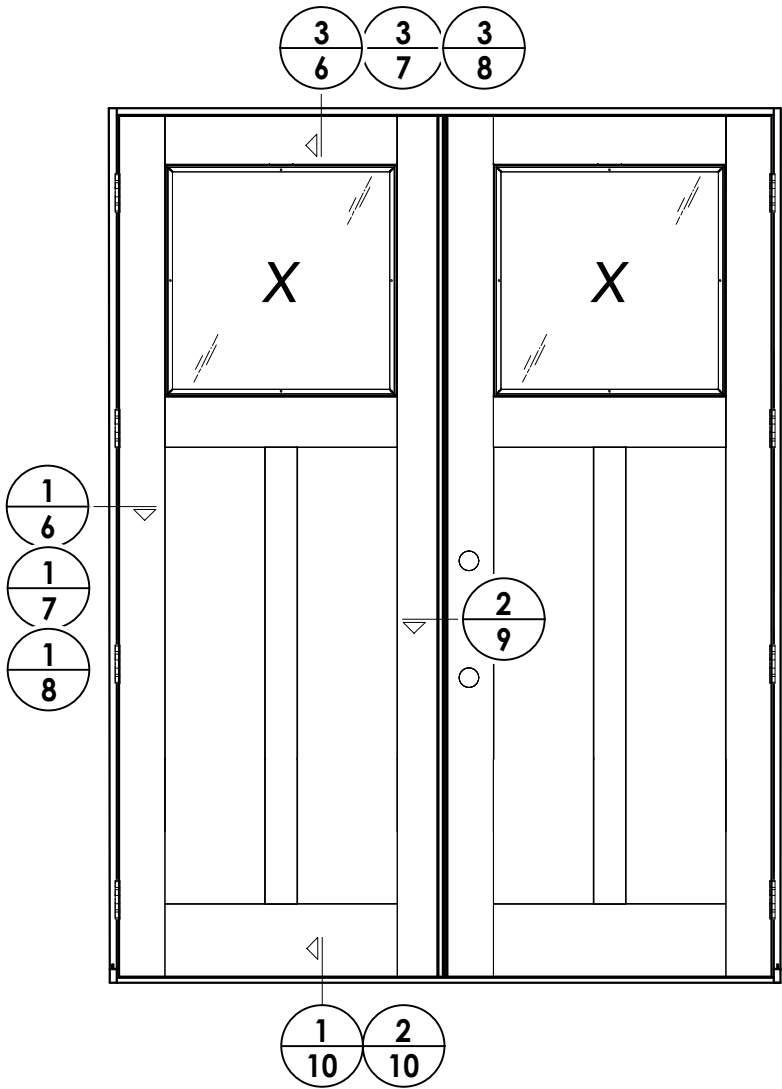


DOOR SKIN: 0.079" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM

[illegible]

Documents Prepared By:
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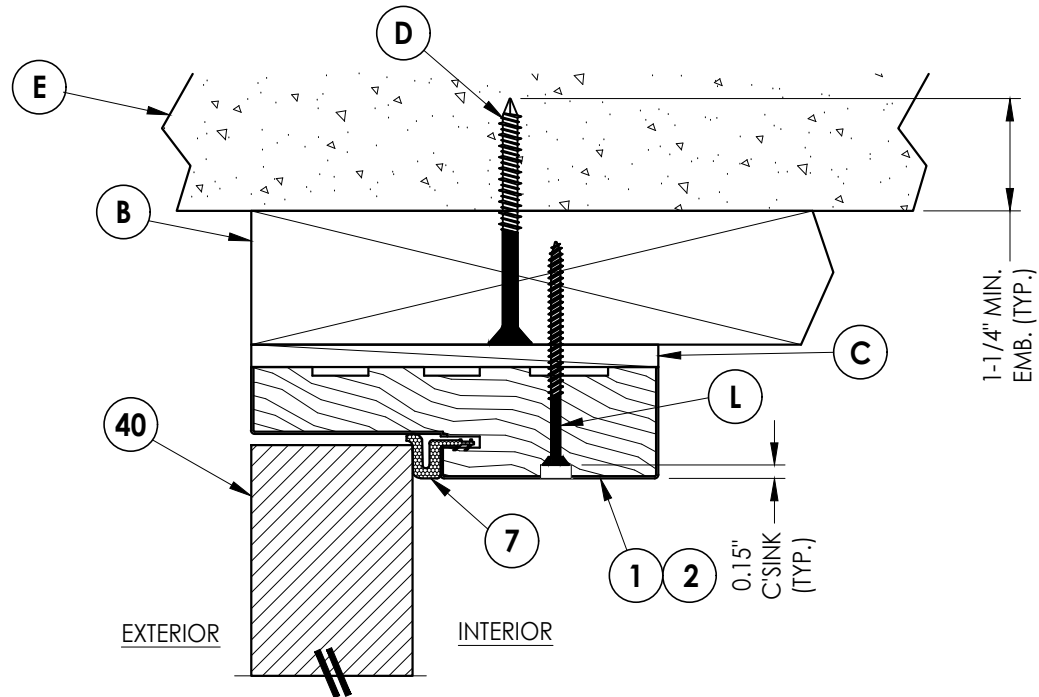
DATE:	1/28/20
SCALE:	N.T.S.
DWG. BY:	TRJ
CHK. BY:	LFS
DRAWING NO.:	FL-25575.5
SHEET	5 OF 14

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
		& REVISE ENDURA ULT. ASTRAGAL

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

Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813



3 **VERTICAL CROSS SECTION**
6 Outswing shown - Inswing also approved

4 VERTICAL CROSS SECTION
6 Outswing shown - Inswing also approved

NOTE:

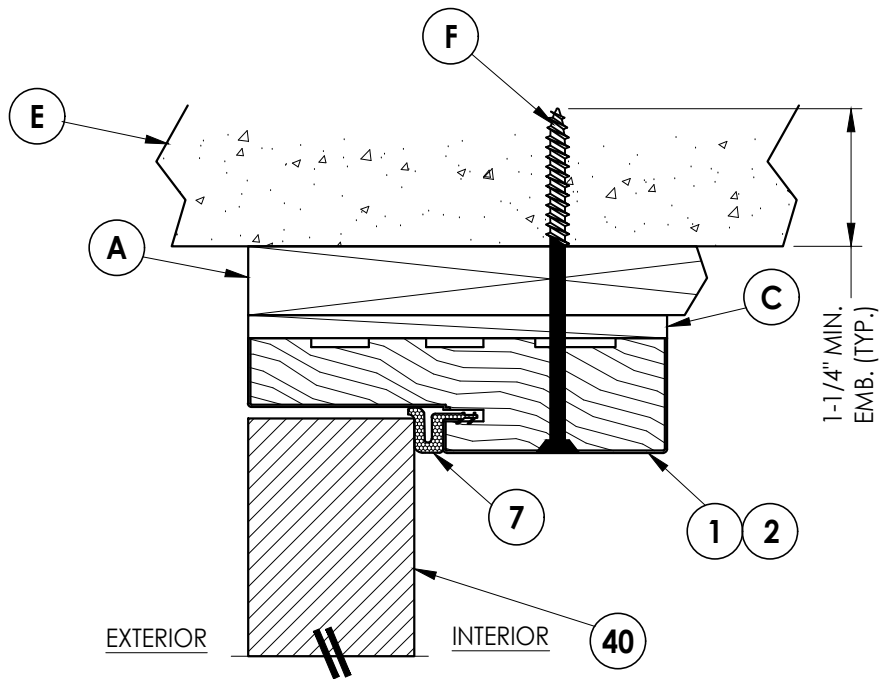
1. Item #26 located 6" from each end plus 2 more equally spaced (4 total).

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

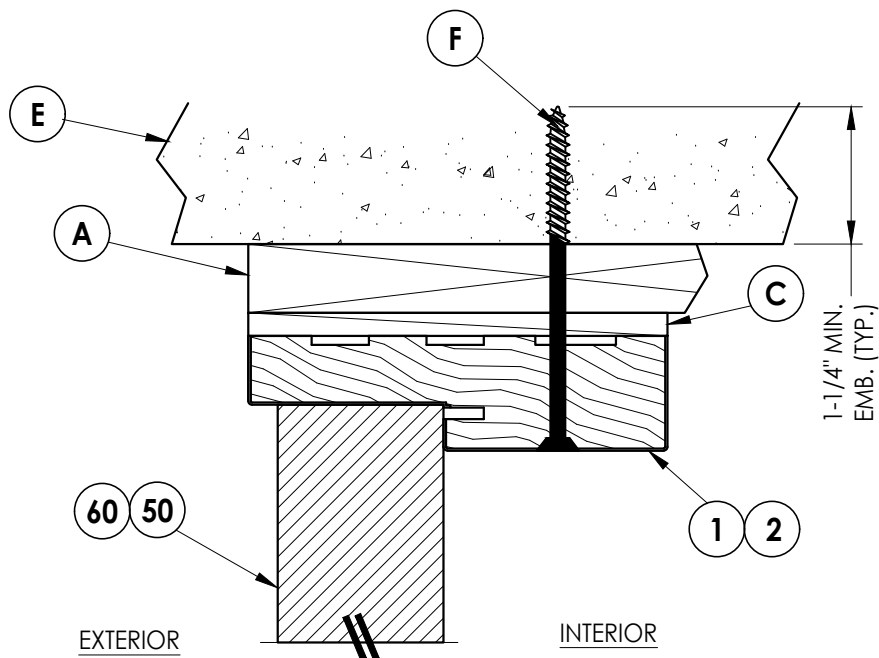
2 **HORIZONTAL CROSS SECTION**
6 Outswing shown - Inswing also approved

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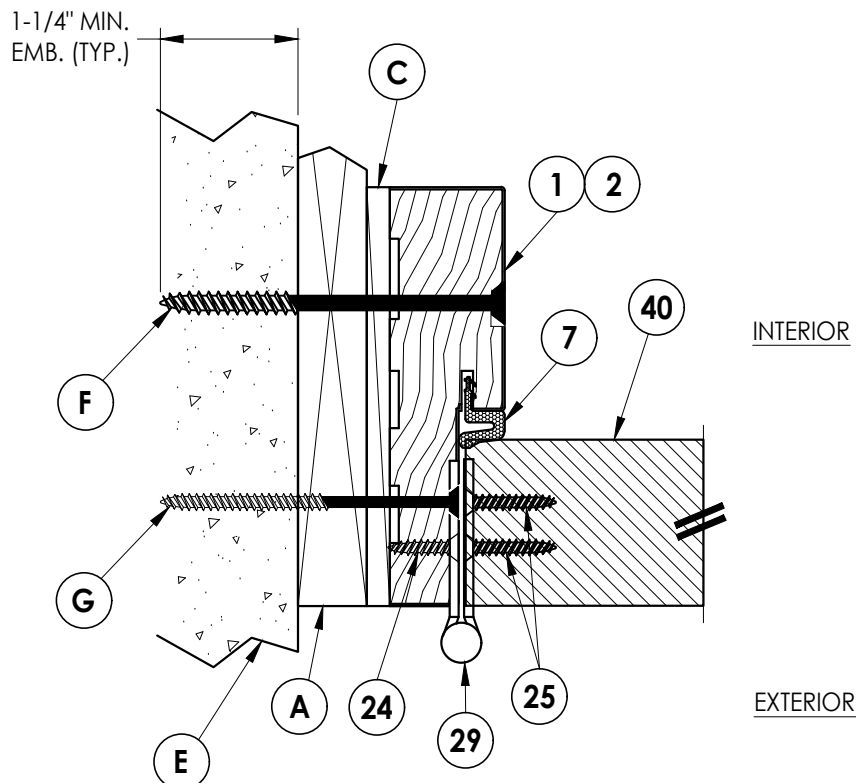


3
7 **VERTICAL CROSS SECTION**
Outswing shown - Inswing also approved

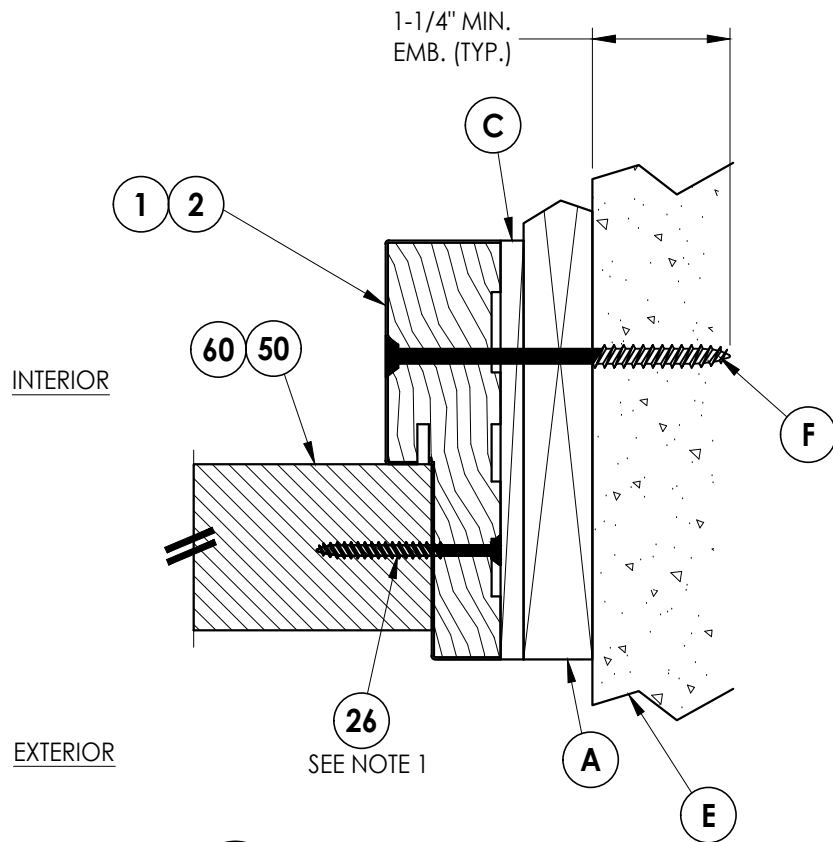


4
7 **VERTICAL CROSS SECTION**
Outswing shown - Inswing also approved

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



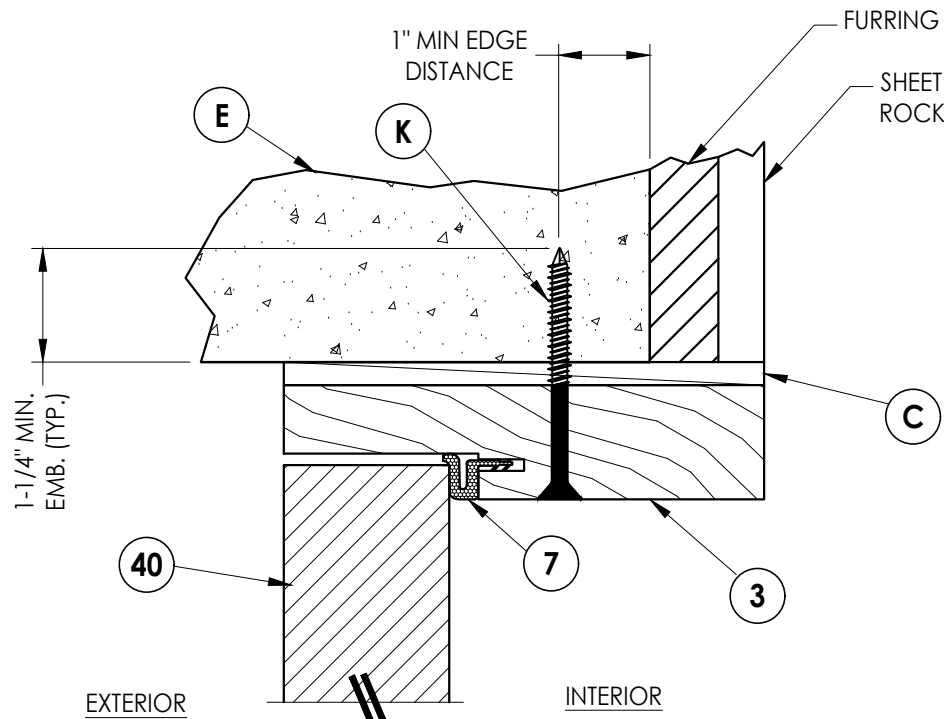
1
7 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved



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

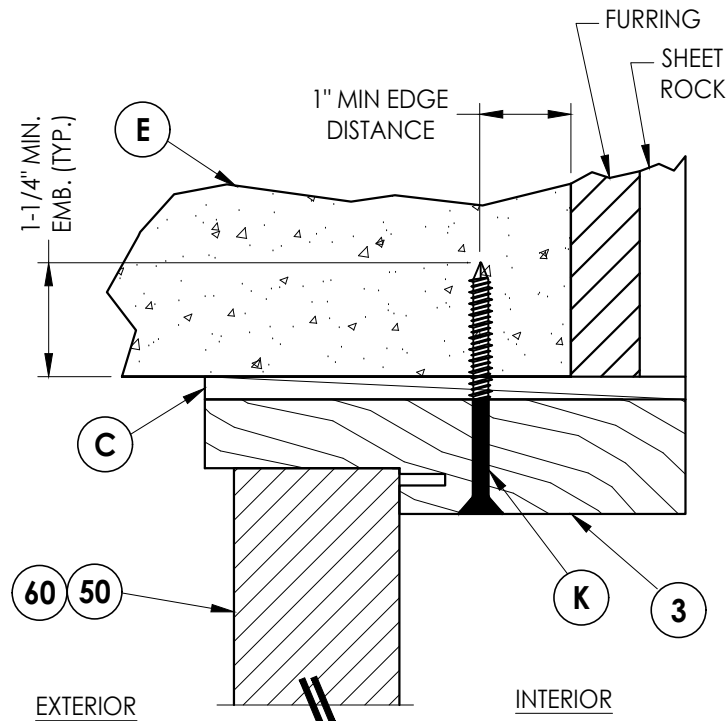
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: TRINITY GLASS INT'L		PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS (1X BUCK)		REVISIONS			
				NO.	DATE		
3	7/01/26	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			
		& REVISE ENDURA ULT. - ASTRAGAL					
DATE: 1/28/20							
SCALE: N.T.S.							
DWG. BY: TRJ							
CHK. BY: LFS							
DRAWING NO.: FL-25575.5							
SHEET 7 OF 14							

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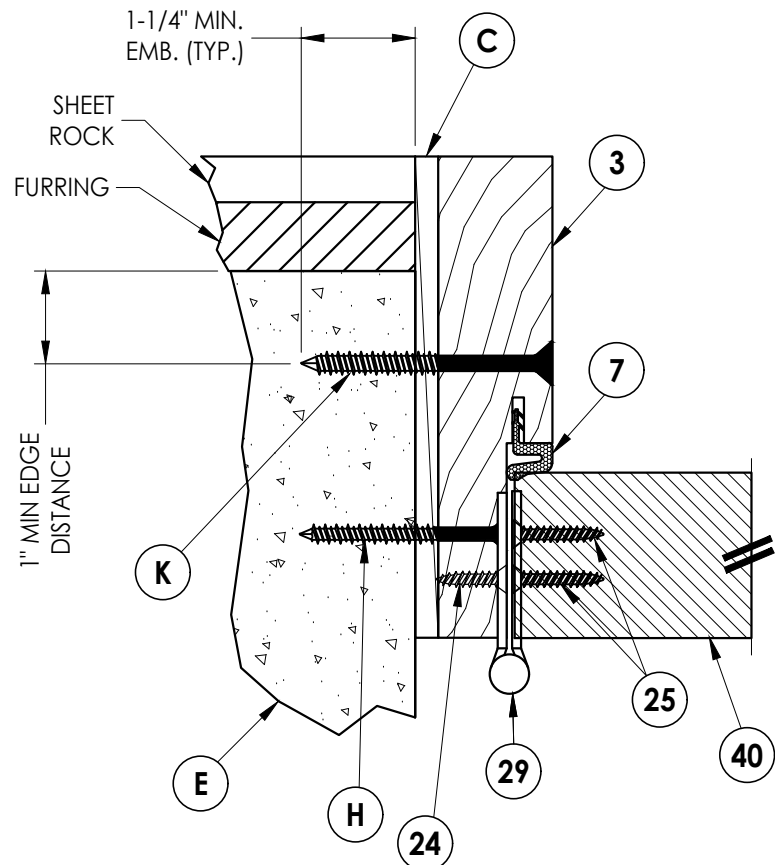


3
8 **VERTICAL CROSS SECTION**
Outswing only

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

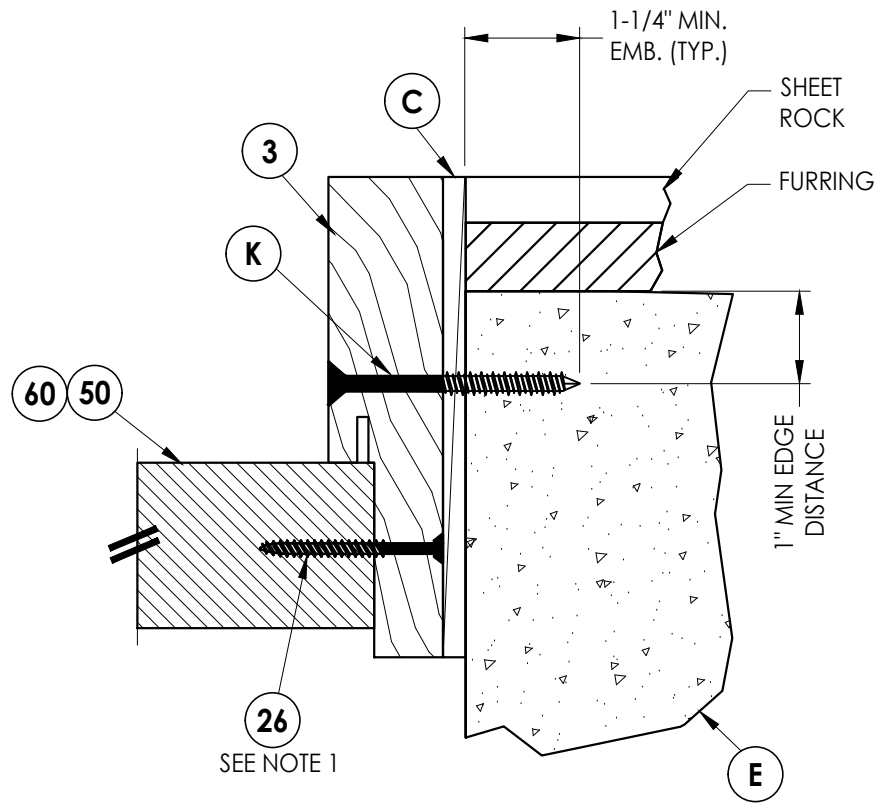


4
8 **VERTICAL CROSS SECTION**
Outswing only



1
8 **HORIZONTAL CROSS SECTION**
Outswing only

INTERIOR
EXTERIOR

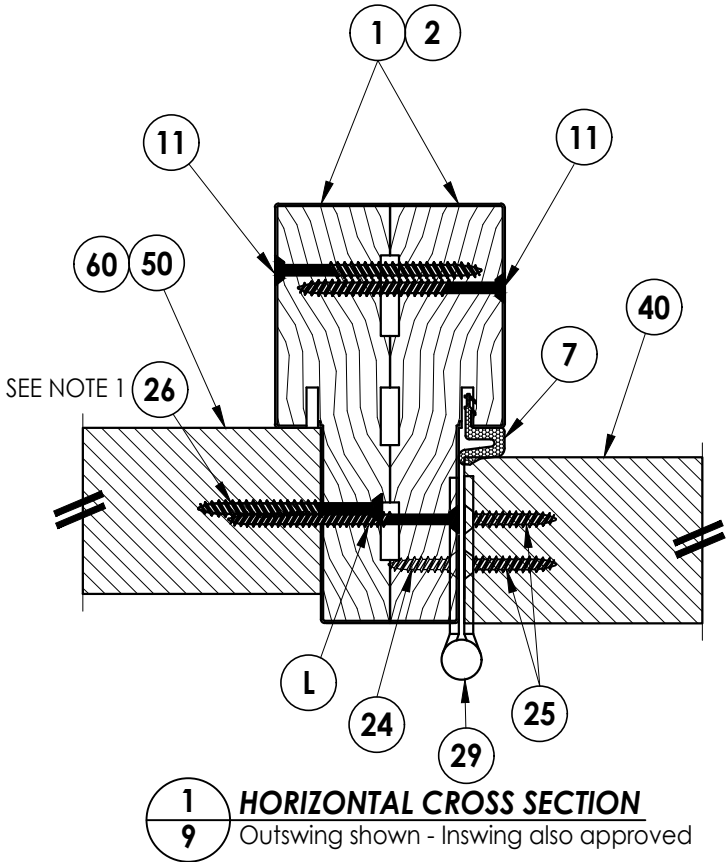


2
8 **HORIZONTAL CROSS SECTION**
Outswing only

SEE NOTE 1

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PRODUCT: TRINITY GLASS INT'L				PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)			
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			
		& REVISE ENDURA ULT. ASTRAGAL					
NO.	DATE			BY			
REVISIONS							
DATE: 1/28/20							
SCALE: N.T.S.							
DWG. BY: TRJ							
CHK. BY: LFS							
DRAWING NO.: FL-25575.5							
SHEET 8 OF 14							

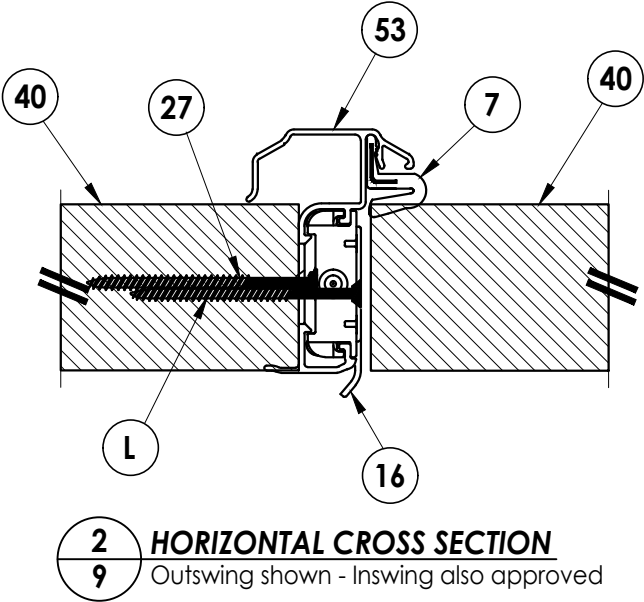
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NOTE:
1. Item #26 located 6" from each end
plus 2 more equally spaced (4 total).

INTERIOR

EXTERIOR



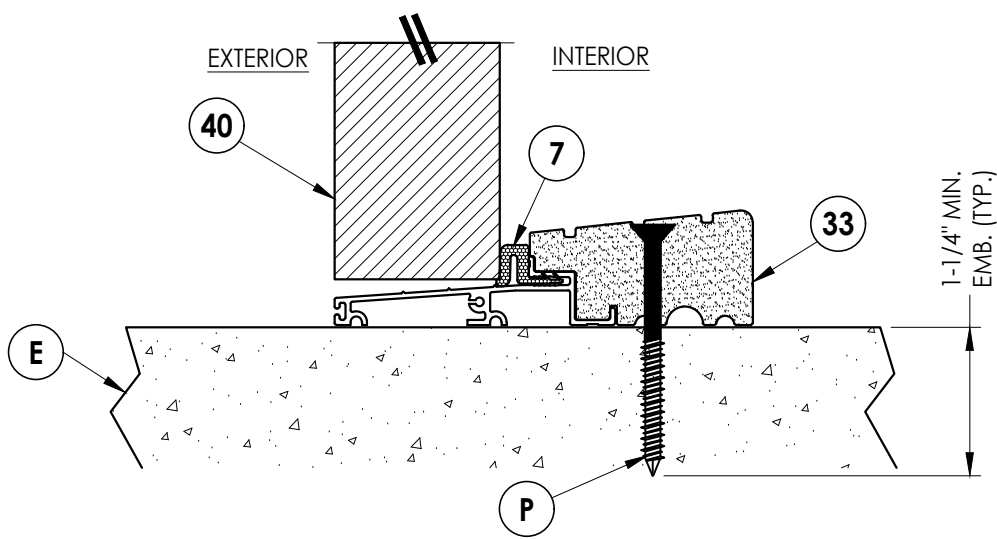
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SCALE: N.T.S.
DWG. BY: TRJ
CHK. BY: LFS
DRAWING NO.:
FL-25575.5
SHEET 9 OF 14

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
		& REVISE ENDURA ULT. ASTRAGAL
		BY

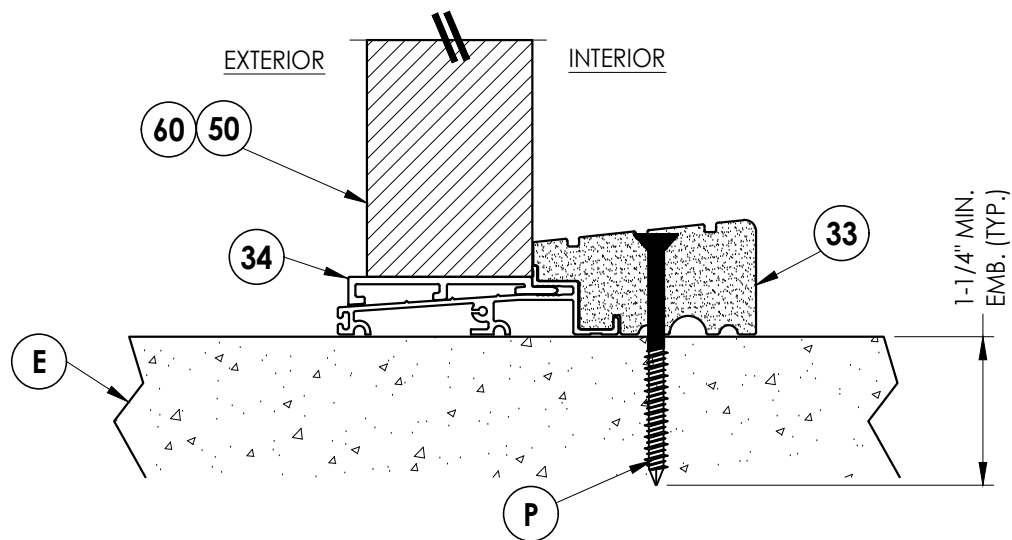
PRODUCT:	TRINITY GLASS INT'L
PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS

Documents Prepared By:
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P.E. No. 43409
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FBPE Registry No. 9813

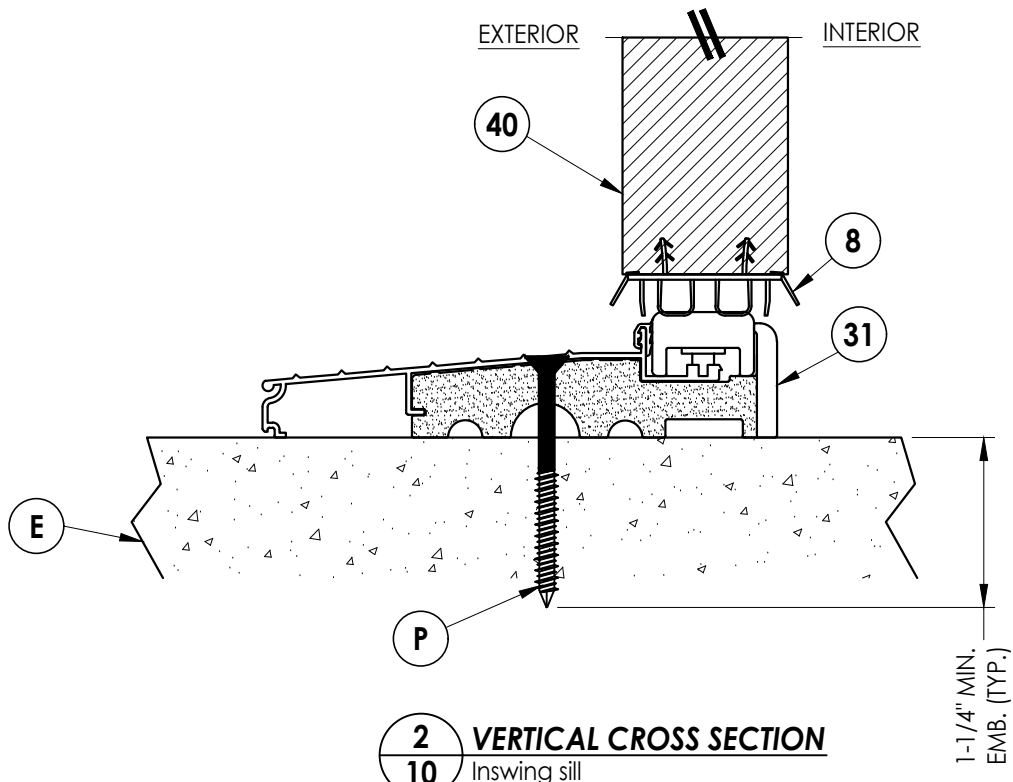
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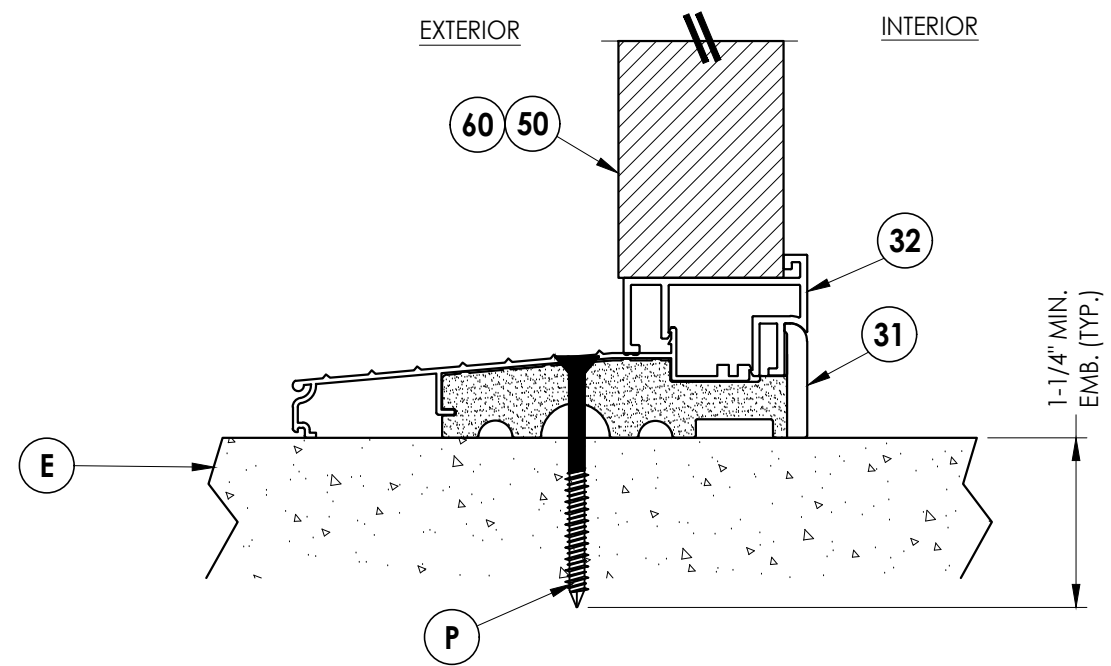
1 **VERTICAL CROSS SECTION**
10 Outswing sill - high dam



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



2 **VERTICAL CROSS SECTION**
10 Inswing sill



4 **VERTICAL CROSS SECTION**
10 Inswing sill

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Phone No.: 813.659.9197
FBPE Registry No. 9813

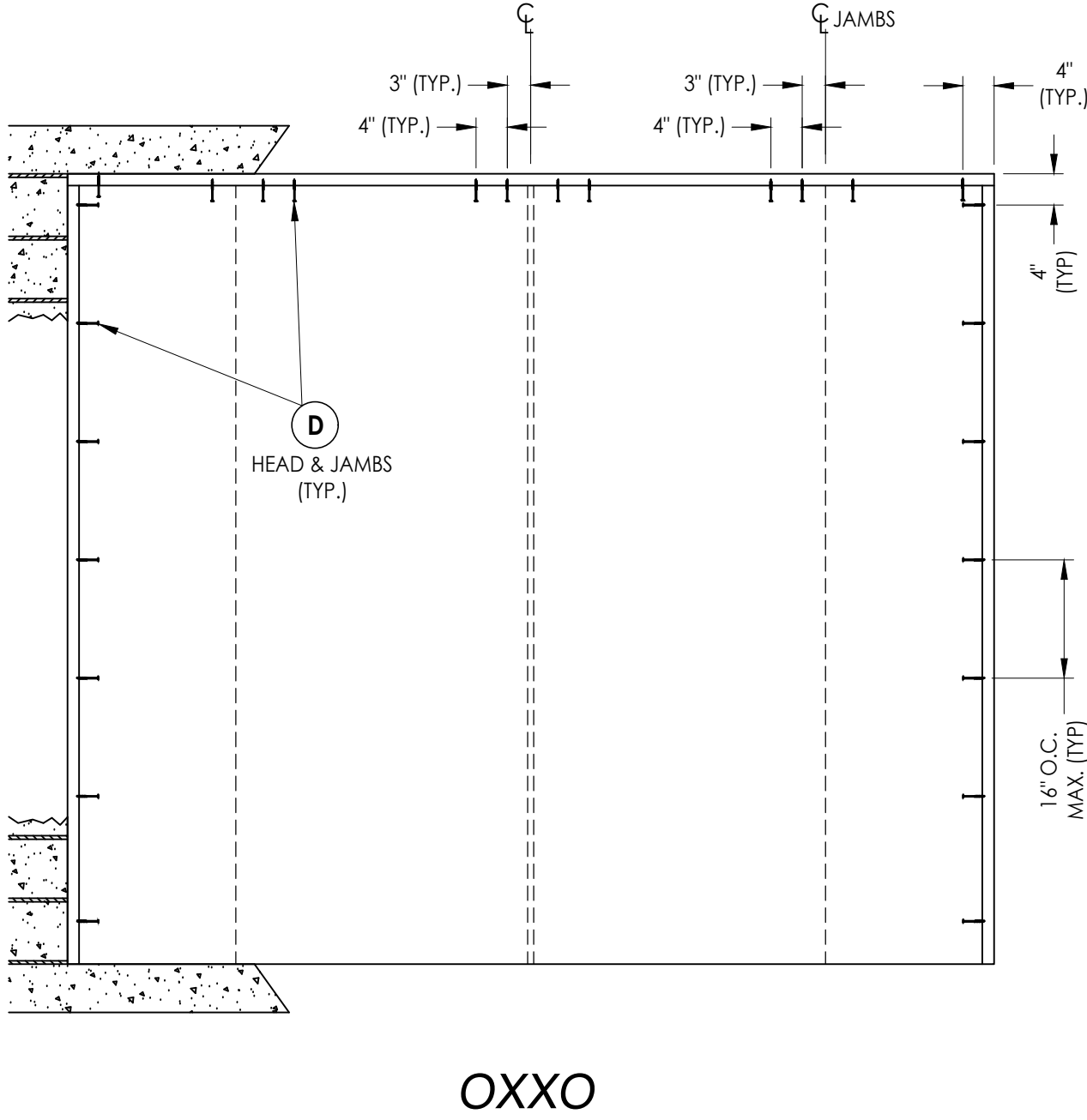
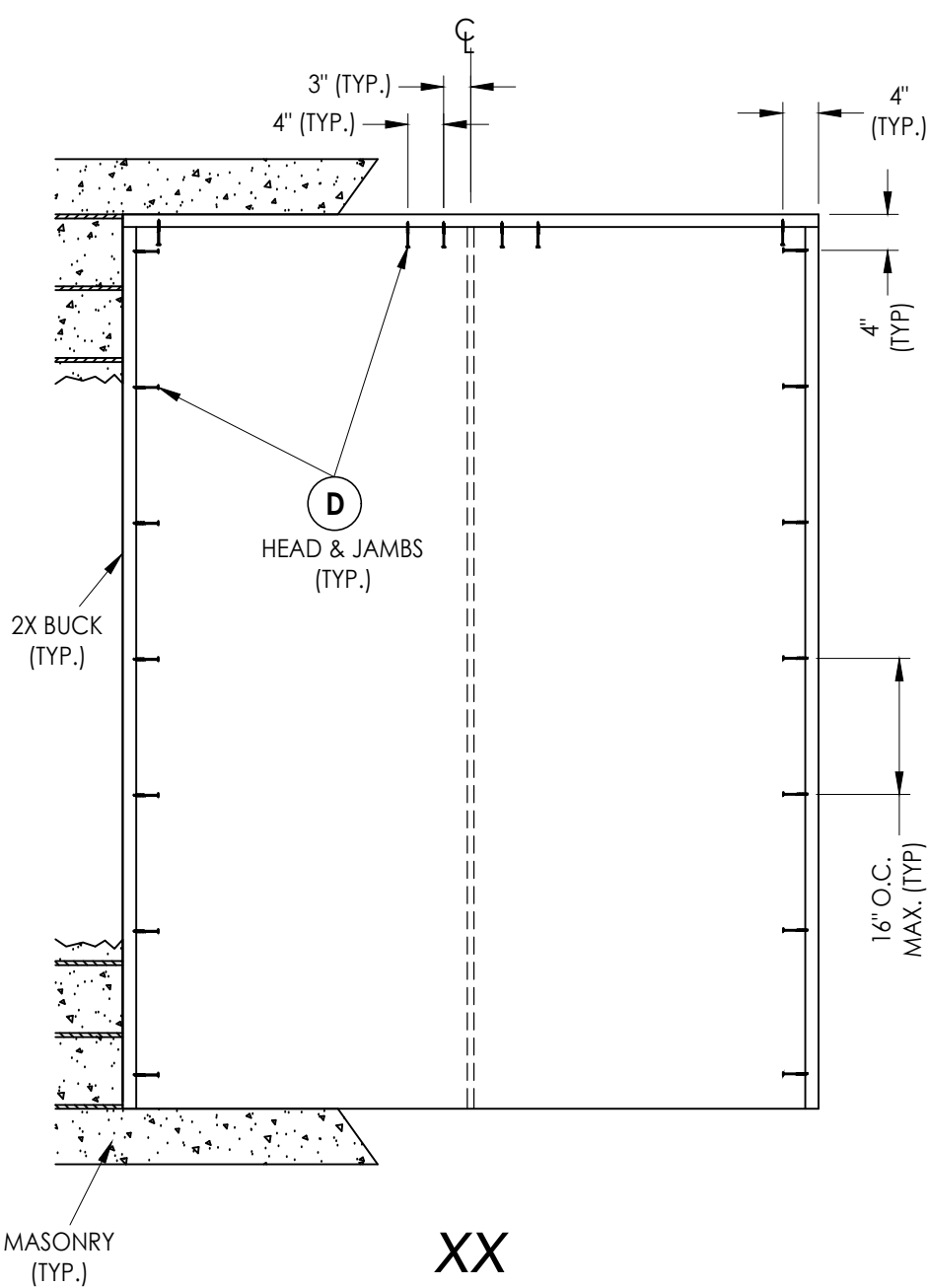
PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
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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
		& REVISE ENDURA ULT. ASTRAGAL

DATE: 1/28/20
SCALE: N.T.S.
DWG. BY: TRJ
CHK. BY: LFS
DRAWING NO.: FL-25575.5
SHEET 10 OF 14

Z:\2023 FBC Drawings\Trinity Glass Int'l\FL-25575 R6\FL-25575.5-6.dwg



2X BUCK ANCHORING

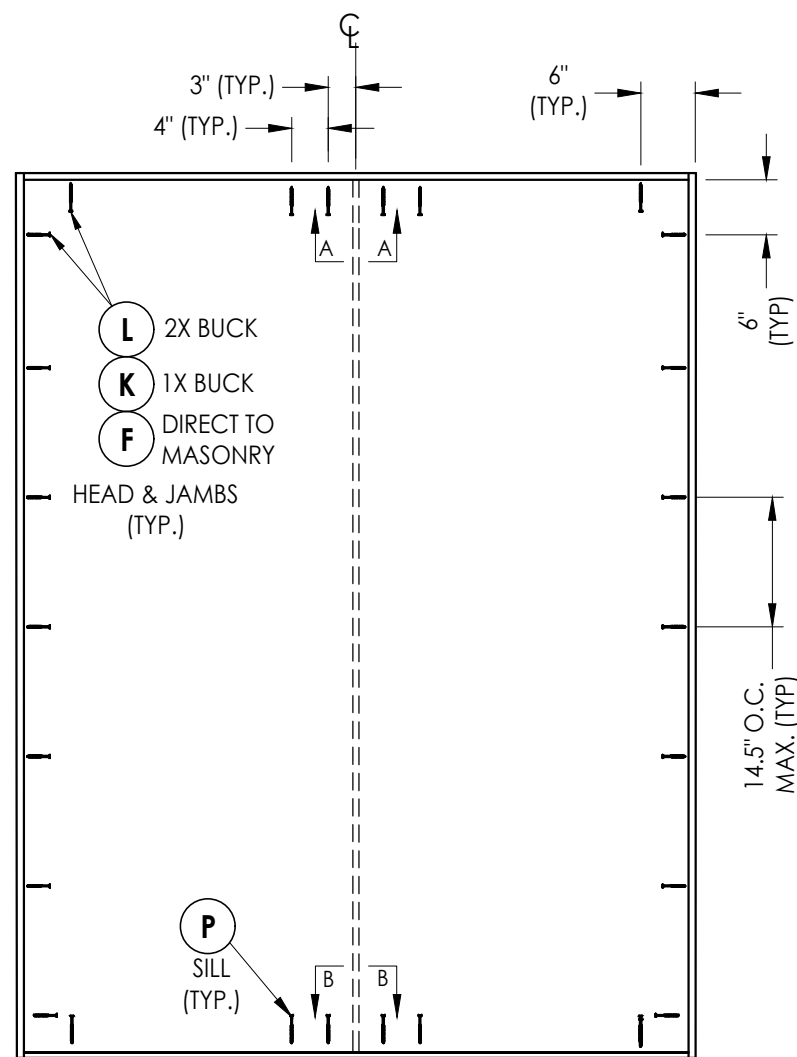
NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
		& REVISE ENDURA ULT. ASTRAGAL
		BY

DATE: 1/28/20
SCALE: N.T.S.
DWG. BY: TRJ
CHK. BY: LFS
DRAWING NO.: FL-25575.5
SHEET 11 OF 14

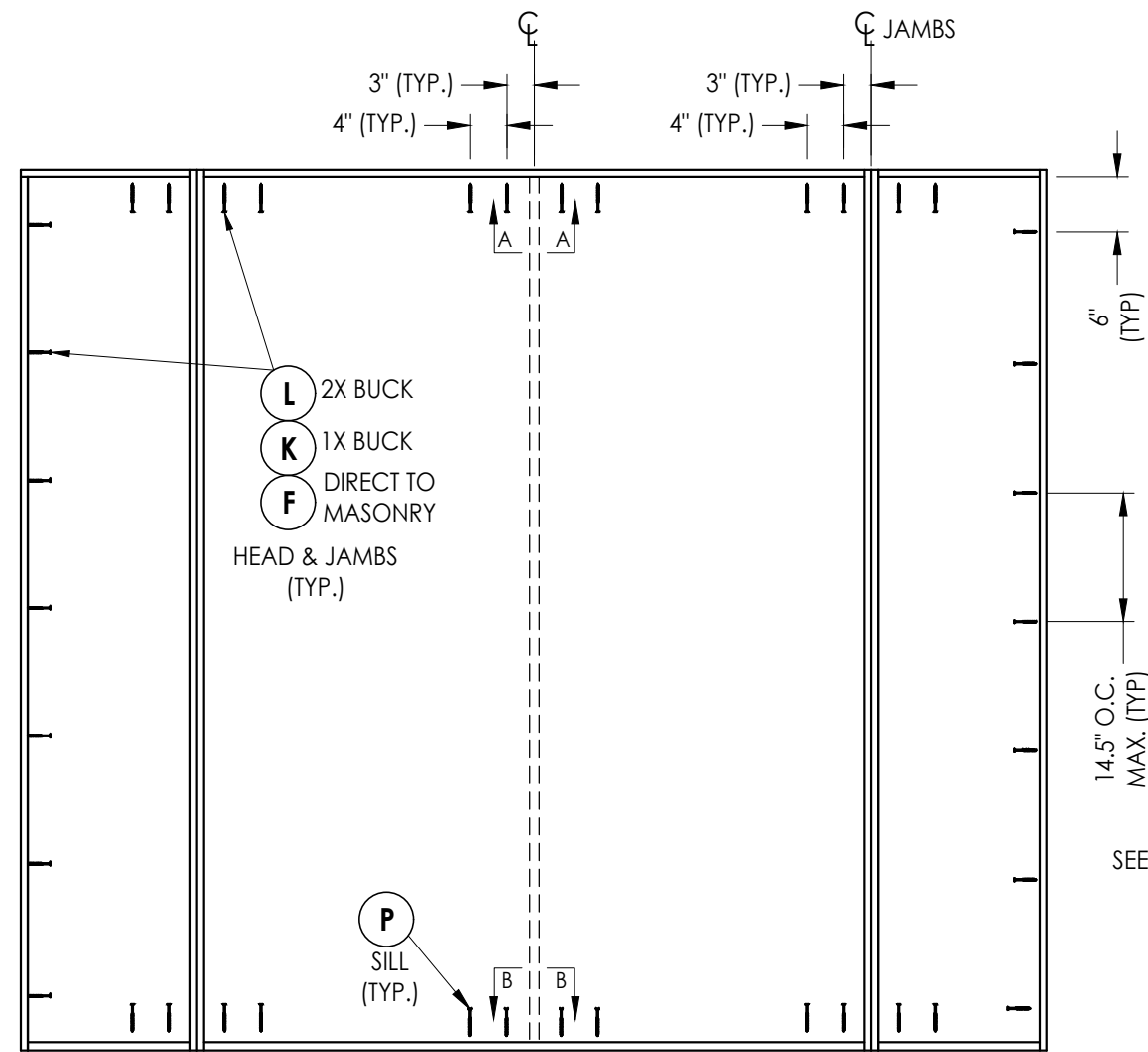
PRODUCT: TRINITY GLASS INT'L
PART OR ASSEMBLY: BUCK ANCHORING

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

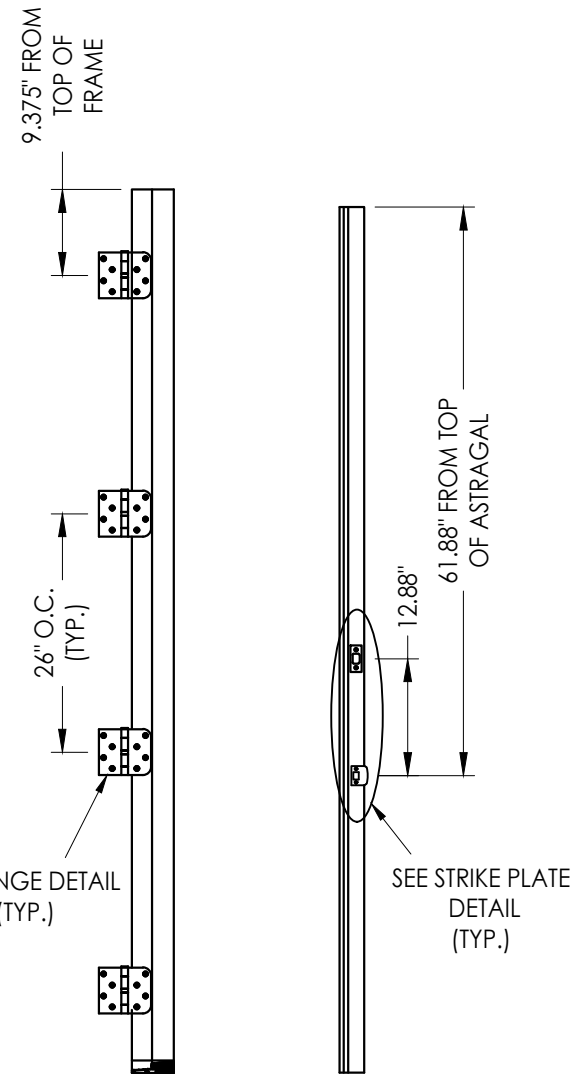
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



XX



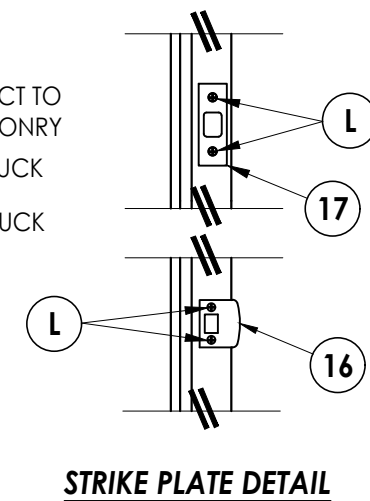
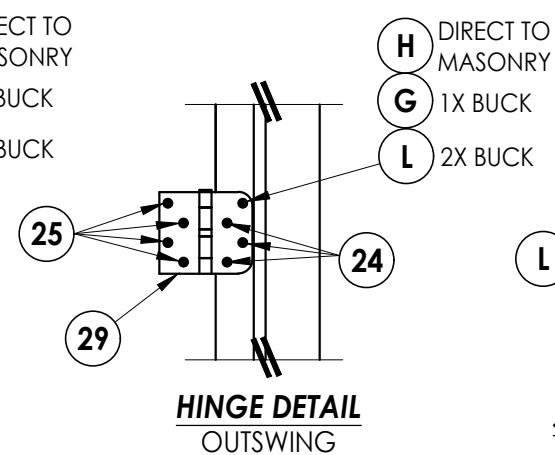
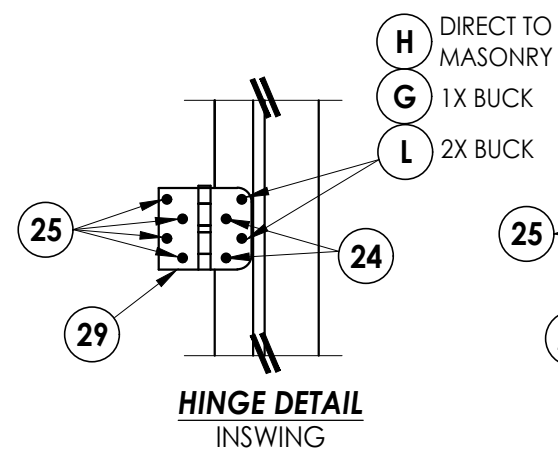
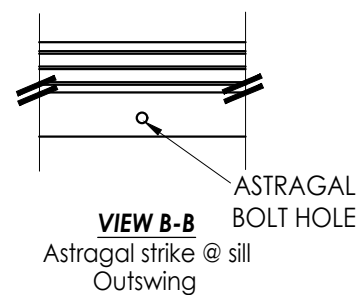
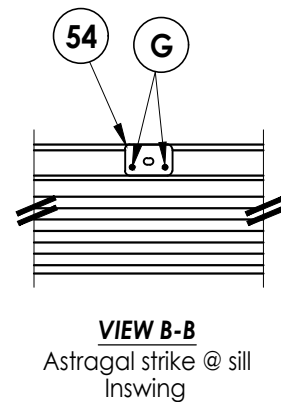
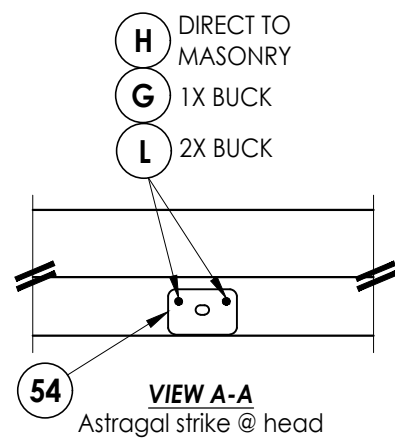
OXXO



HINGE JAMB

ASTRAGAL

FRAME ANCHORING

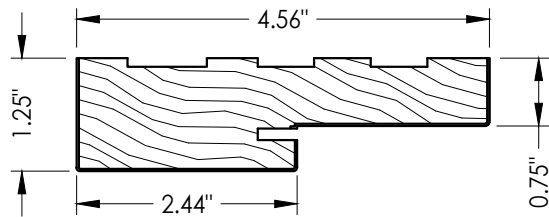


DATE:	1/28/20		
SCALE:	N.T.S.		
DWG. BY:	TRJ		
CHK. BY:	LFS		
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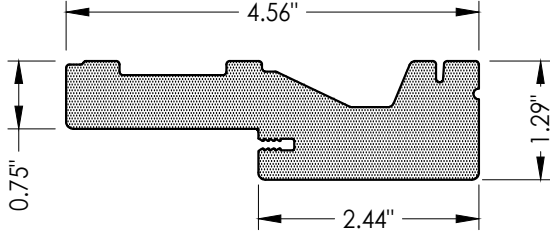
Documents Prepared By:
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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

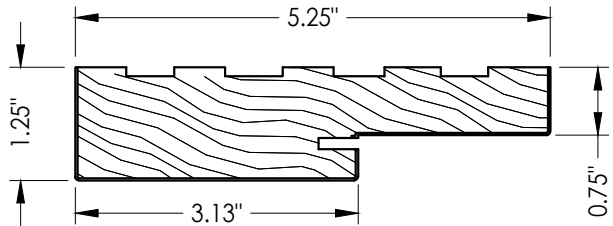
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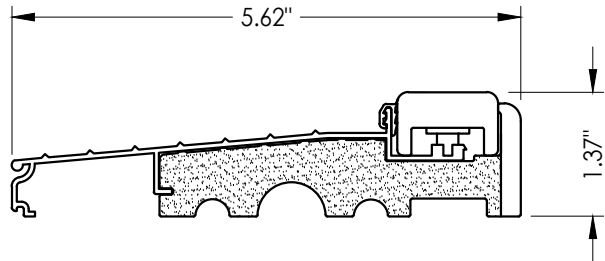
1 FINGER JOINT PINE JAMB



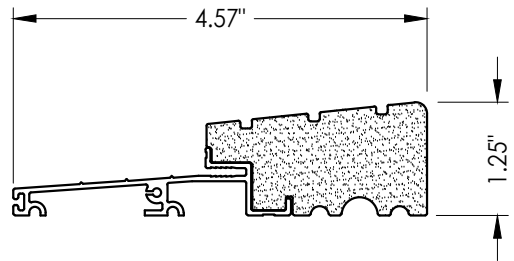
2 HEAD AND JAMBS
PVC



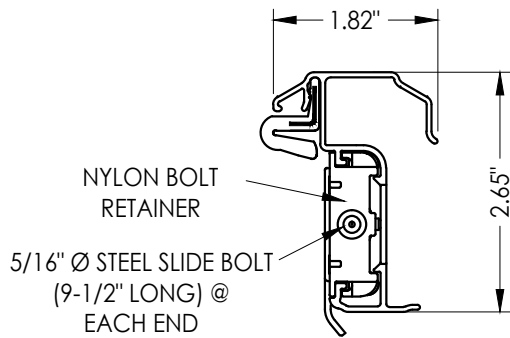
3 FINGER JOINT PINE JAMB



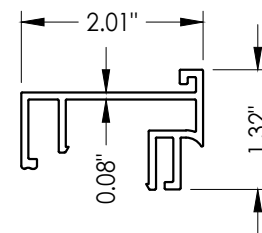
31 INSWING THRESHOLD



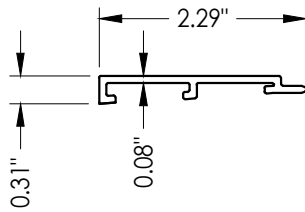
33 INSWING THRESHOLD
High-dam



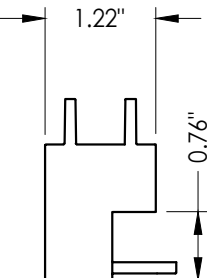
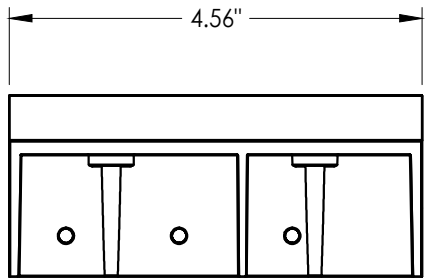
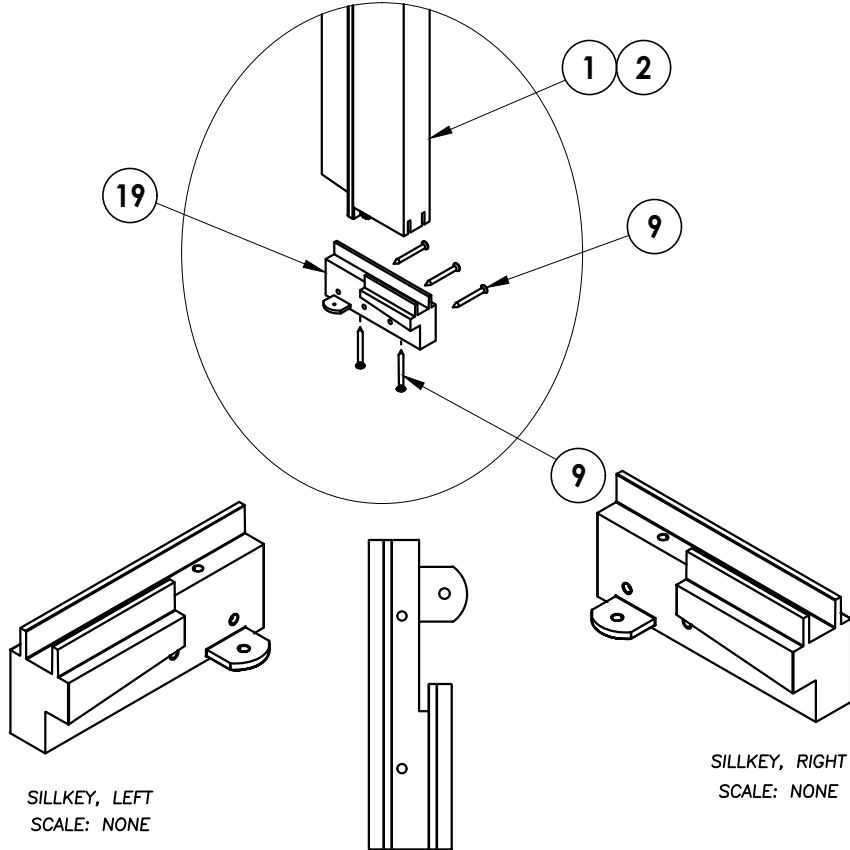
53 ULTIMATE HURRICANE ASTRAGAL
By Endura Products



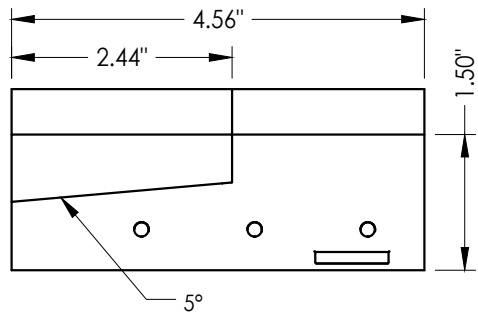
32 SIDELITE SPACER
Inswing



34 SIDELITE SPACER
Outswing



19 SILLKEY DETAILS
Optional



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PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY:
COMPONENTS

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 & REVISE ENDURA ULT. ASTRAGAL

DATE:	1/28/20
SCALE:	N.T.S.
DWG. BY:	TRJ
CHK. BY:	LFS
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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
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
19	SILLKEY	PC/ASA
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	-
53	ALUMINUM ASTRAGAL	ALUM
54	ASTRAGAL STRIKE PLATE	STEEL

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.

DATE: 1/28/20		REVISIONS	
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DRAWING NO.: FL-25575.5			
SHEET 14 OF 14			
	NO.	DATE	
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 & REVISE ENDURA ULT. ASTRAGAL	DAC
			BY
PRODUCT: TRINITY GLASS INT'L		PART OR ASSEMBLY: BILL OF MATERIALS	
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	