

Z:\2023 FBC Drawings\Trinity Glass Int'l\VL-25575 R6\FL-25575.11-12.dwg

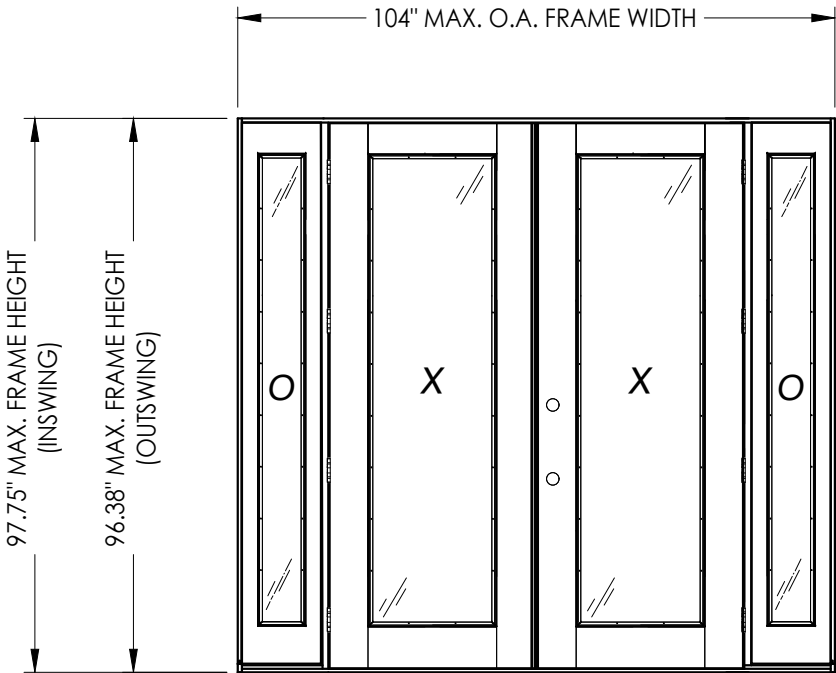


"Teak"
GLAZED FIBERGLASS DOUBLE DOOR
w/ SIDELITES
"NON-IMPACT"
INSWING / OUTSWING

GENERAL NOTES

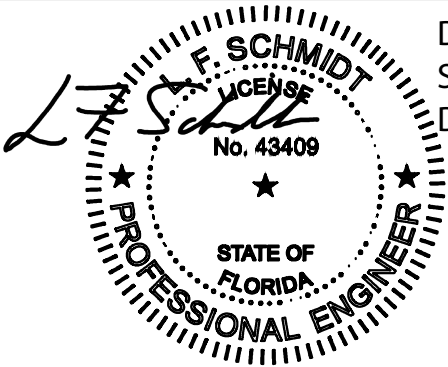
1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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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6	Horizontal and vertical cross sections (1x buck)
7	Horizontal and vertical cross sections (Direct to Masonry)
8	Horizontal cross sections
9	Vertical cross sections
10	Buck anchoring
11	Frame anchoring
12	Components
13	Bill of materials



Continuous Head and Sill

CONFIGURATION	FRAME MATERIAL	DESIGN PRESSURE (PSF)		DESIGN PRESSURE (PSF)	
		INSWING		OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OXXO	FJ PINE	+45.0	-45.0	+45.0	-45.0
OXXO	COMPOSITE	+45.0	-45.0	+45.0	-45.0



Digitally signed by Lyndon F Schmidt
Date: 2026.07.02 08:16:26 -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

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: 2/05/20

SCALE: N.T.S.

DWG. BY: TRJ

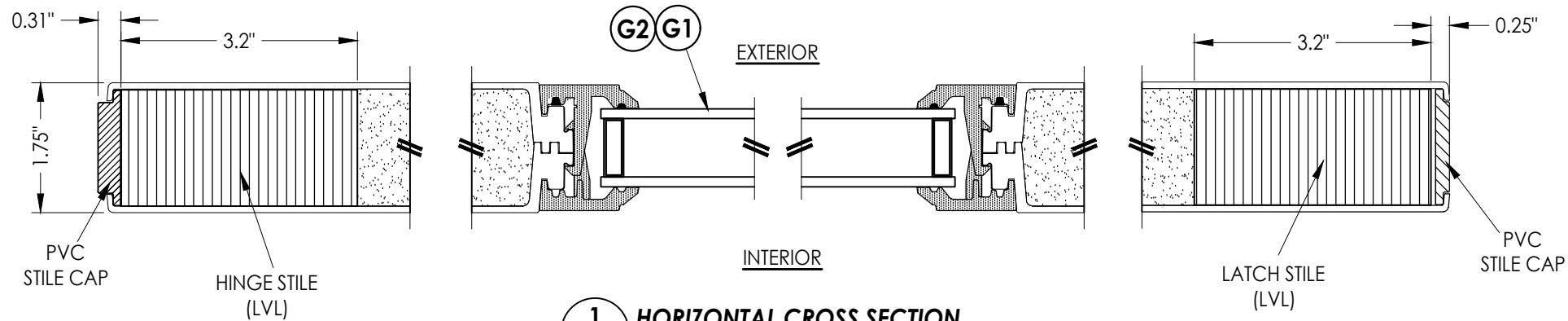
CHK. BY: LFS

DRAWING NO.: FL-25575.12

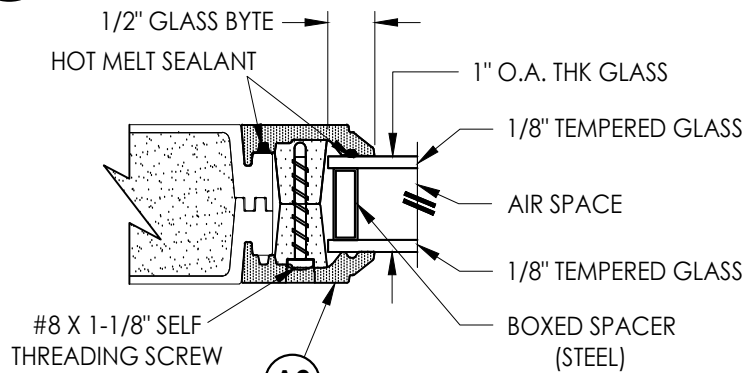
SHEET 1 OF 13

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

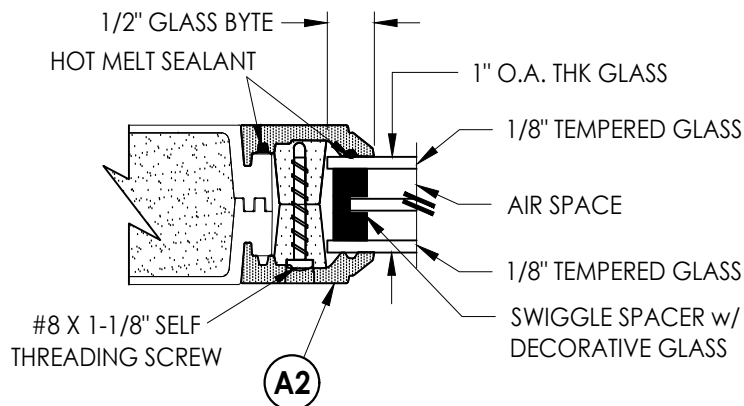
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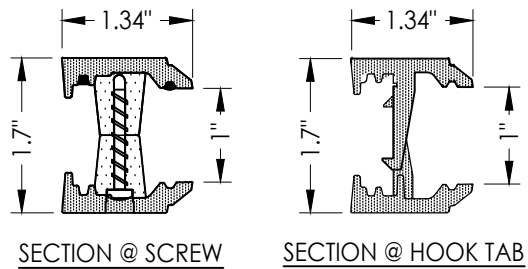
1
2 **HORIZONTAL CROSS SECTION**



G1 **GLAZING DETAIL**

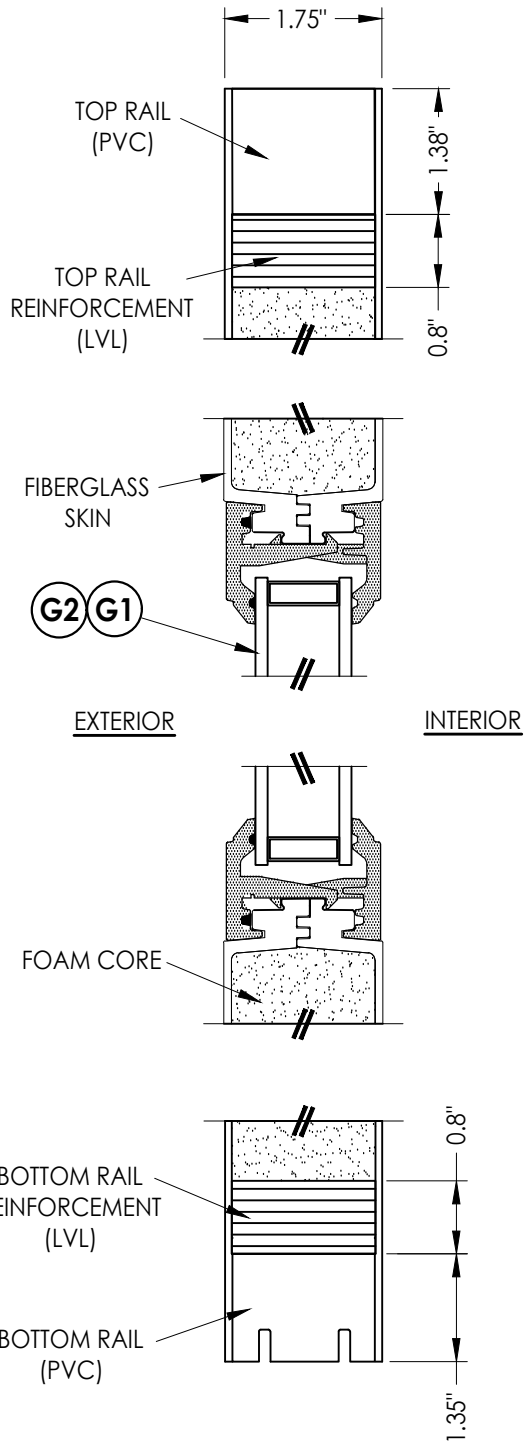


G2 **GLAZING DETAIL**
DECORATIVE GLASS

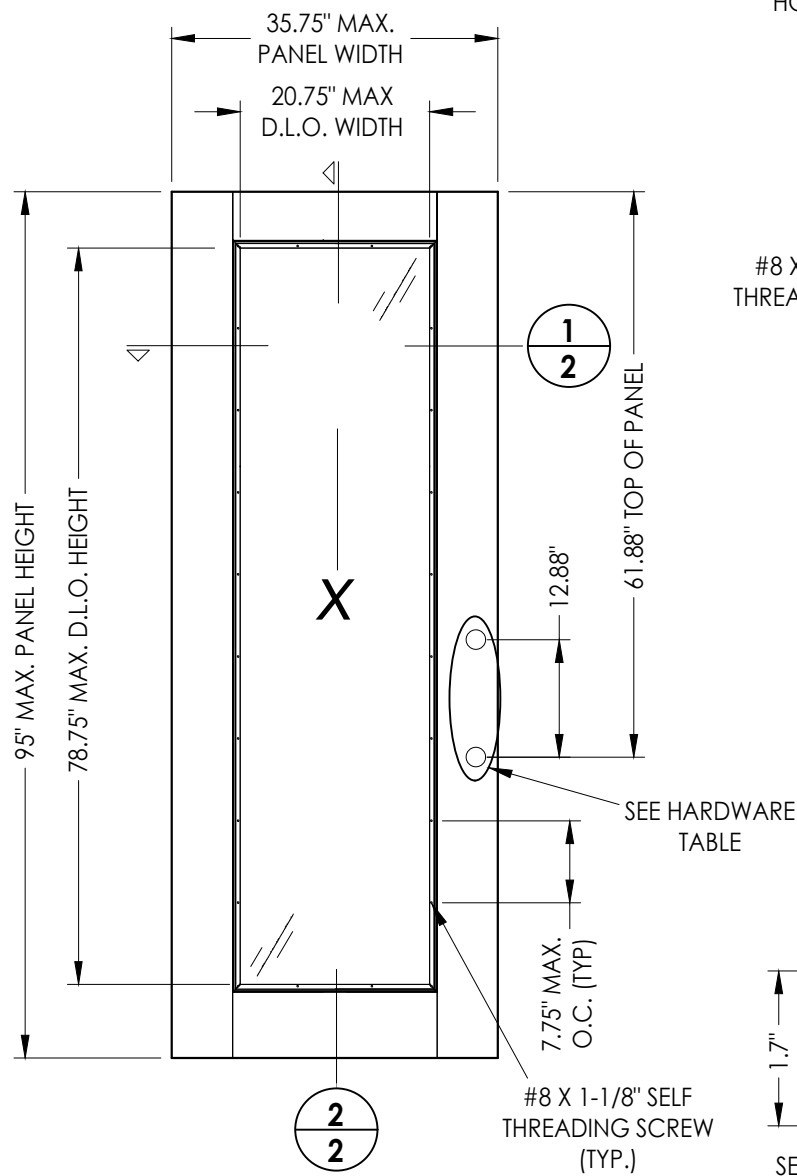


A2 **FLUSH GLAZING FRAME**
FIBERGLASS

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



2
2 **VERTICAL CROSS SECTION**



40 **GLAZED DOOR PANEL**
TEAK

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

Documents Prepared By:
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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

						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: 2/05/20

SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.:

FL-25575.12

SHEET 2 OF 13

13.75" MAX.
PANEL WIDTH

6.75" MAX
D.L.O. WIDTH

95" MAX. PANEL HEIGHT

78.75" MAX. D.L.O. HEIGHT

1
3

#8 X 1-1/8" SELF
THREADING SCREW
(TYP.)

7.75" MAX.
O.C. (TYP)

2
3

1/2" GLASS BYTE

HOT MELT SEALANT

1" O.A. THK GLASS

1/8" TEMPERED GLASS

AIR SPACE

1/8" TEMPERED GLASS

SWIGGLE SPACER w/ DECORATIVE GLASS

#8 X 1-1/8" SELF THREADING SCREW

1.72"

A3

G4 GLAZING DETAIL
DECORATIVE GLASS

SECTION @ SCREW

SECTION @ HOOK TAB

Technical cross-section diagram of a composite railing system, showing exterior and interior views with dimensions and material labels.

Dimensions:

- Overall width: 1.75"
- Overall height: 1.5"
- Bottom rail height: 1.1"

Labels and Components:

- TOP RAIL (LVL):** Laminated Veneer Lumber at the top.
- FIBERGLASS SKIN:** The outer protective layer.
- G4 G3:** Callouts to specific internal components or fasteners.
- FOAM CORE:** The insulating core material.
- BOTTOM RAIL (LVL):** Laminated Veneer Lumber at the base.

Views:

- EXTERIOR:** The outer profile of the railing.
- INTERIOR:** The internal structure and assembly details.

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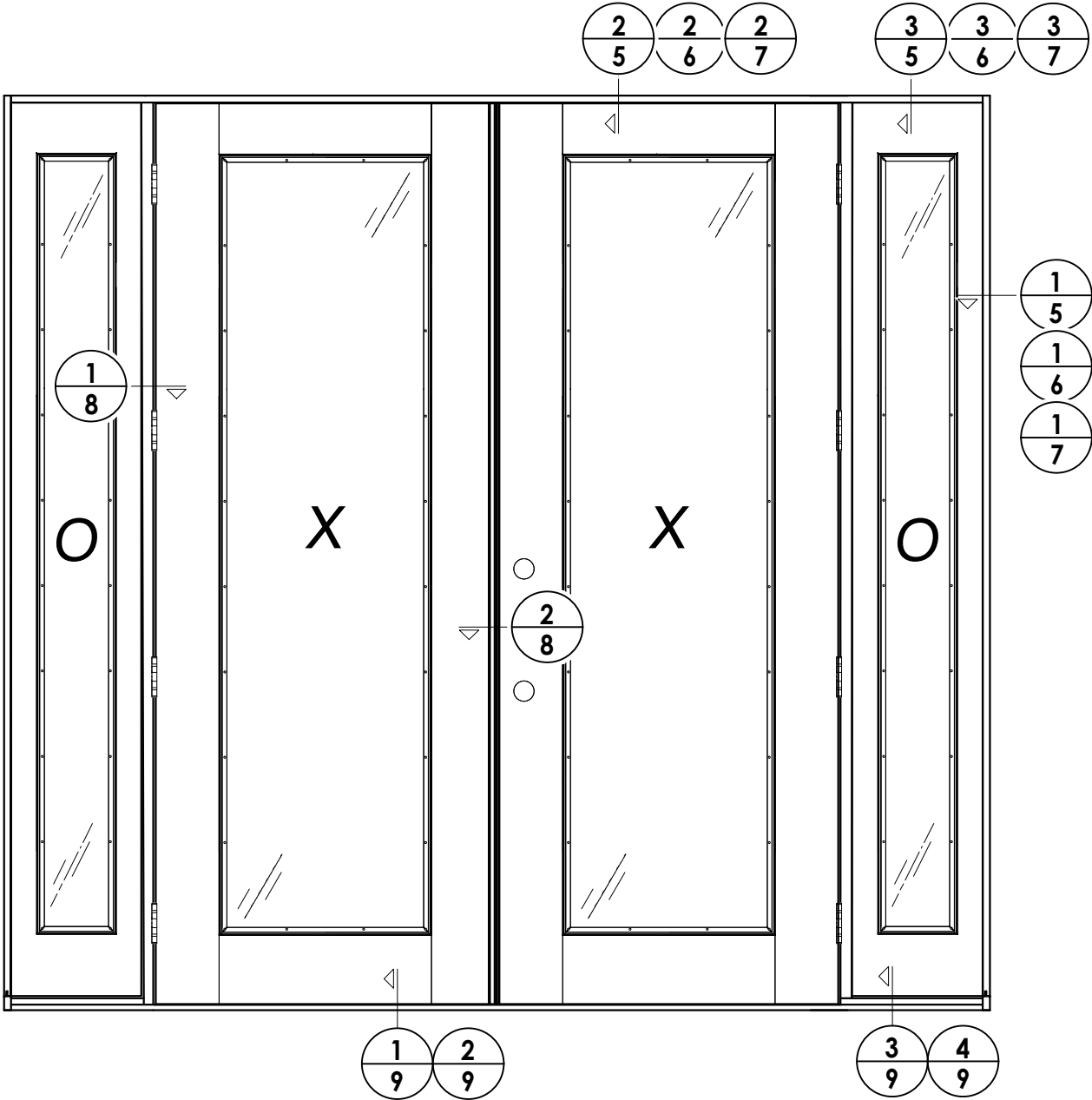
RCM BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico, FL 33593

F.O. Box 230, Valrico, FL 33393
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L

[illegible]

DATE:	2/05/20
SCALE:	N.T.S.
DWG. BY:	TRJ
CHK. BY:	LFS
DRAWING NO.:	FL-25575.12
SHEET	3 OF 13



DATE: 2/05/20	
SCALE: N.T.S.	
DWG. BY:	TRJ
CHK. BY:	LFS
DRAWING NO.: FL-25575.12	
SHEET	4 OF 13

3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
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		& REVISE ENDURA ULT. ASTRAGAL		
NO.	DATE			BY
REVISIONS				

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

Documents Prepared By:
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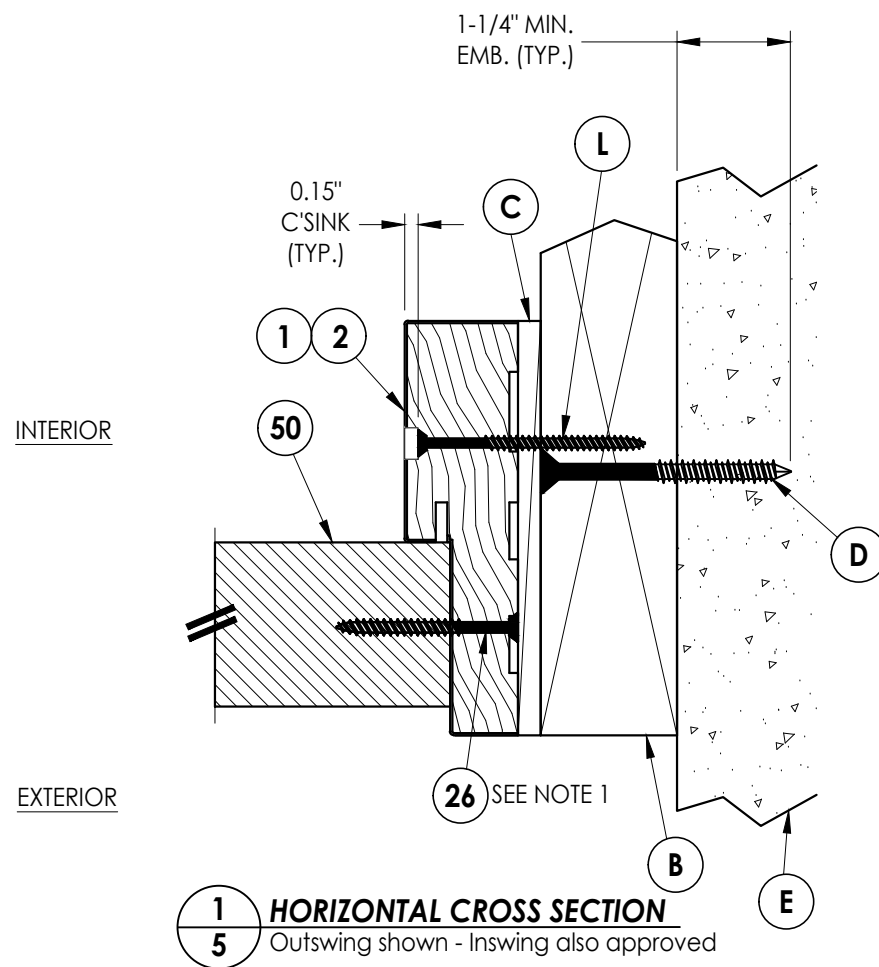
Technical drawing of a window assembly cross-section, showing the exterior and interior components. The drawing includes the following labels and dimensions:

- Labels:** A, B, C, D, E, L, 1, 2.
- Dimensions:**
 - 1-1/4" MIN. (EMB. (TYP.))
 - 0.15" C/SINK (TYP.)
- Material Specifications:**
 - 50 EXTERIOR
 - INTERIOR

The drawing illustrates the assembly of a window frame into a wall. The exterior wall is labeled '50 EXTERIOR' and the interior wall is labeled 'INTERIOR'. The window frame is labeled 'A'. The exterior sealant is labeled 'B'. The interior sealant is labeled 'C'. The exterior finish is labeled 'D'. The interior finish is labeled 'E'. The window frame is labeled 'L'. The interior sealant is labeled '1' and '2'. The dimensions are 1-1/4" MIN. (EMB. (TYP.)) and 0.15" C/SINK (TYP.).

NOTE:

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



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

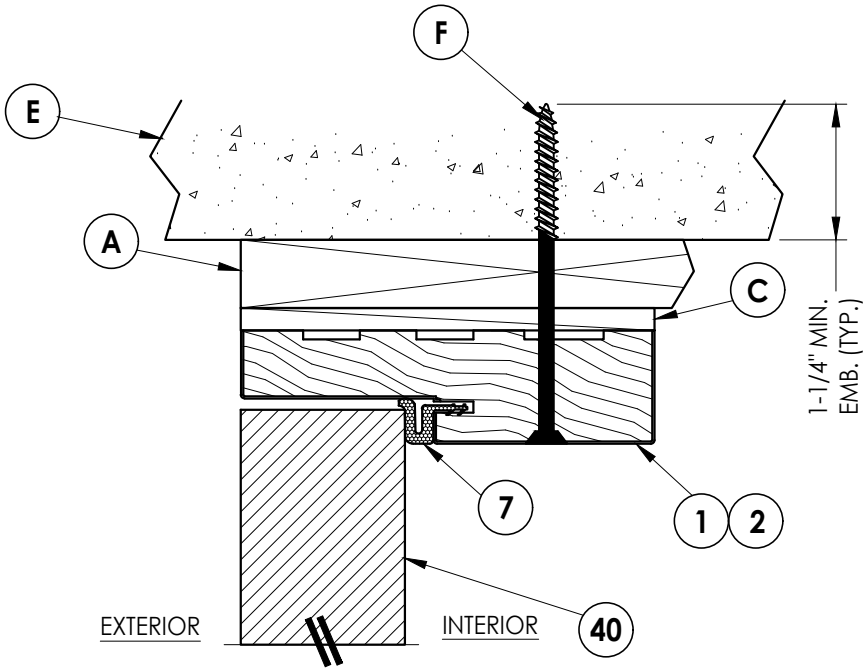
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PRODUCT:	TRINITY GLASS INT'L
PART OR ASSEMBLY:	HORIZONTAL AND VERTICAL CROSS SECTIONS (2X BUCK)

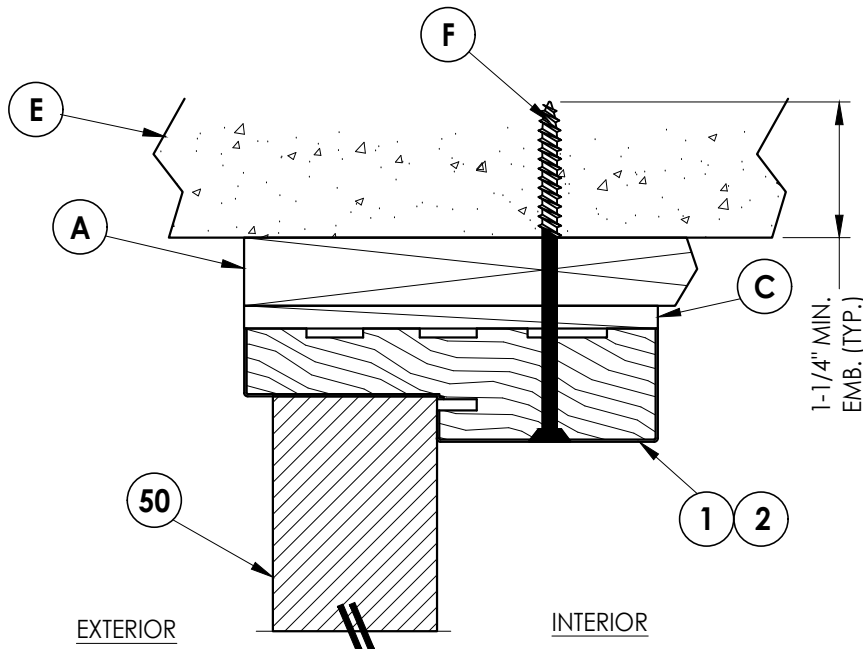
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

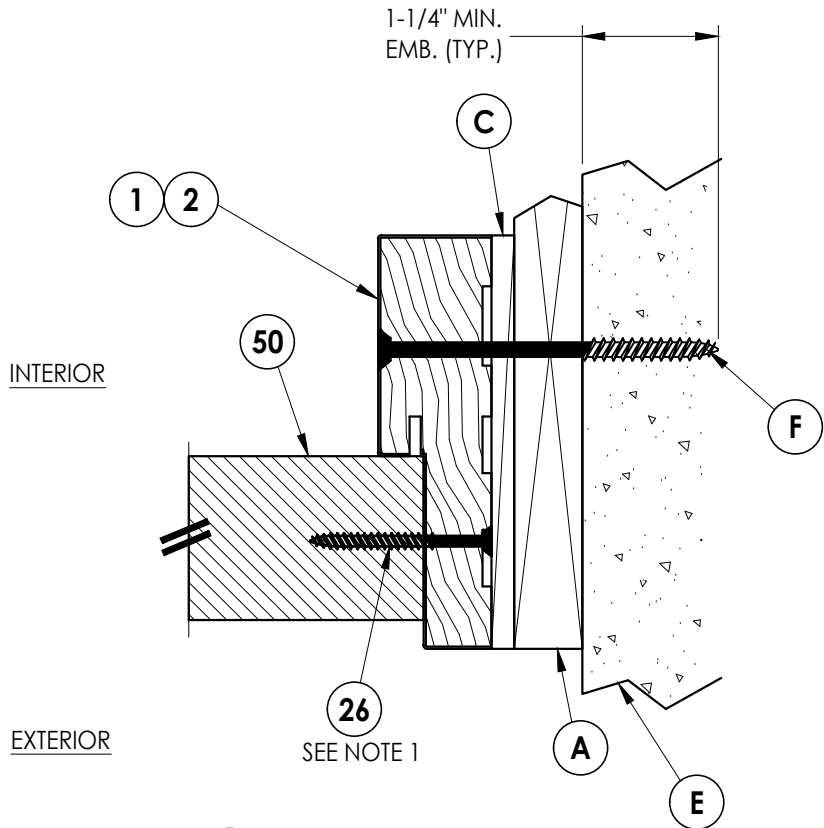
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2
6 **VERTICAL CROSS SECTION**
Outswing shown - Inswing also approved



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



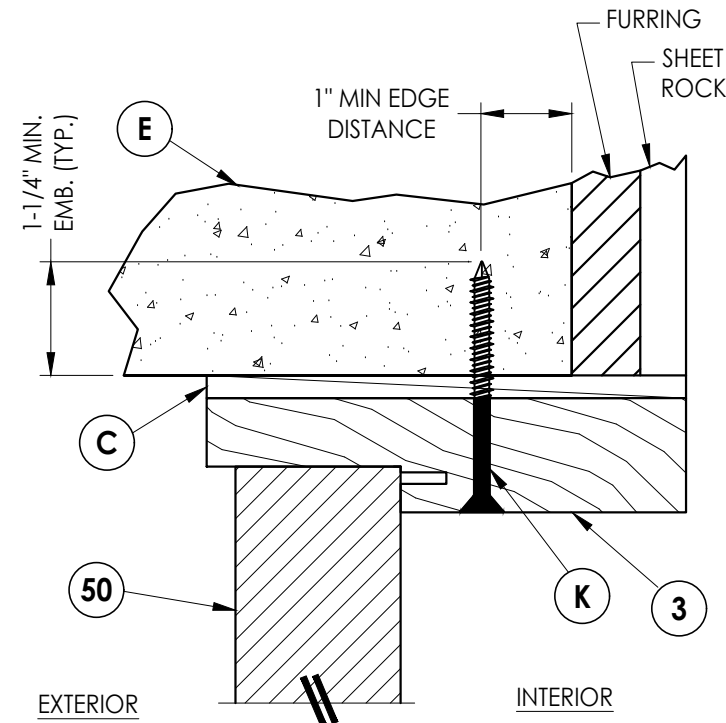
1
6 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved

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				<i>RW</i> 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)			
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: 2/05/20							
SCALE: N.T.S.							
DWG. BY: TRJ							
CHK. BY: LFS							
DRAWING NO.: FL-25575.12							
SHEET 6 OF 13							

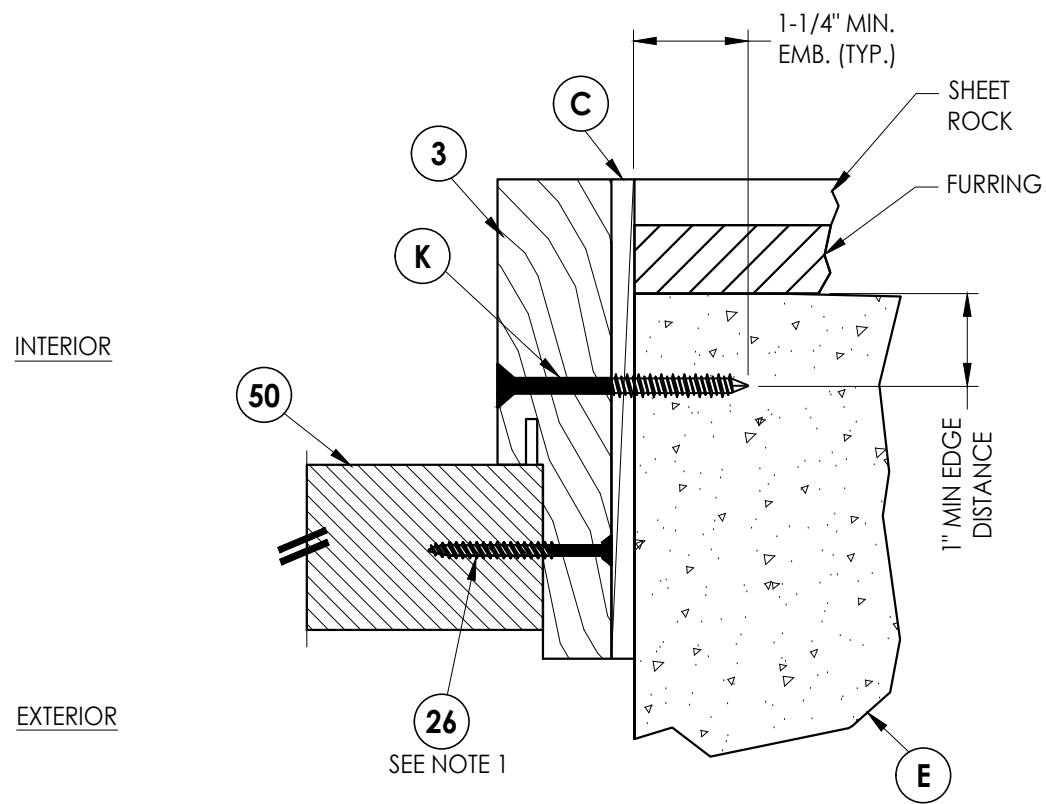
NOTE:

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



3 7 VERTICAL CROSS SECTION

Outswing only



1 7 HORIZONTAL CROSS SECTION

Outswing only

[illegible]

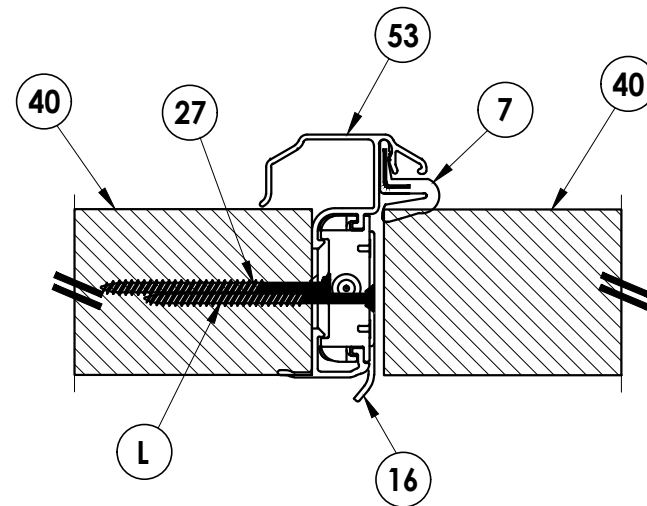
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NOTE:

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EXTERIOR



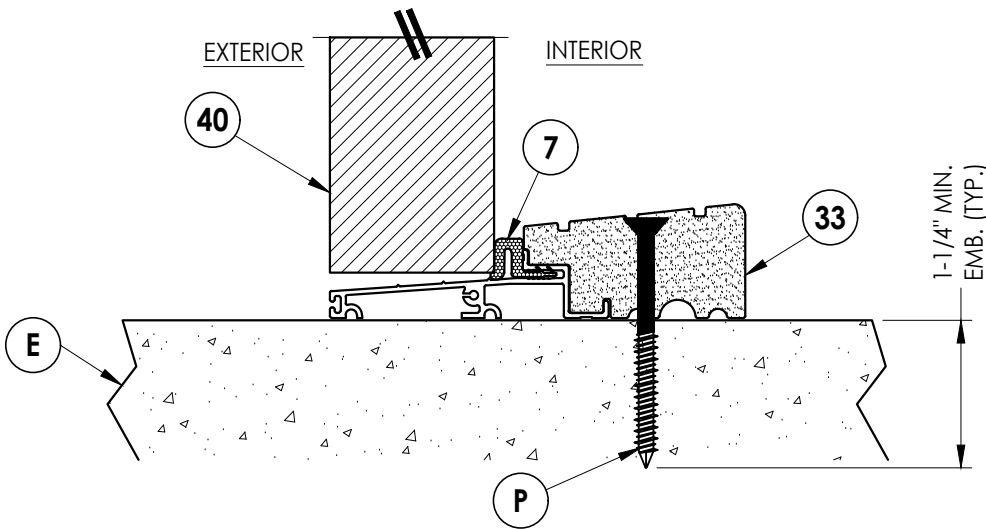
2 **HORIZONTAL CROSS SECTION**
8 Outswing shown - Inswing also approved

[illegible]

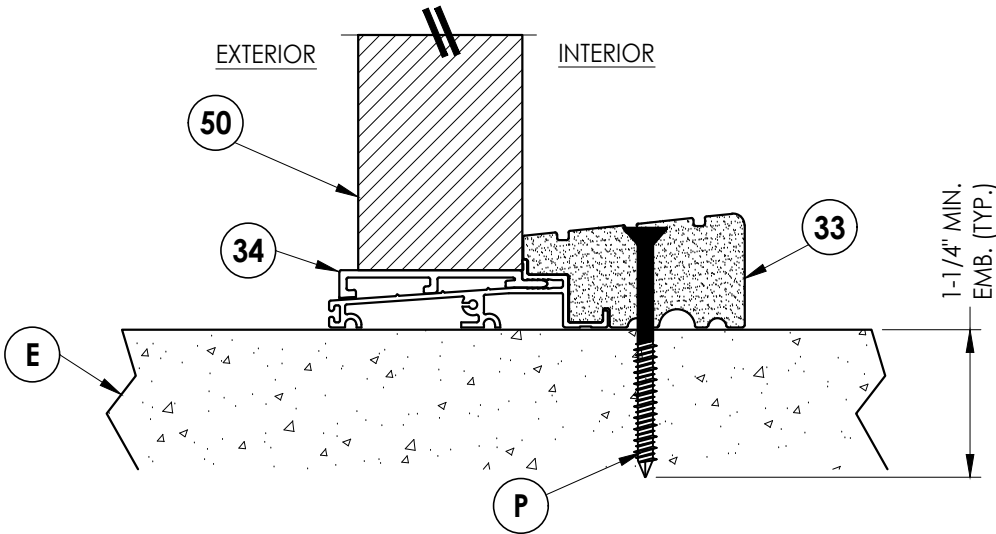
RW BUILDING CO.
P.O. Box 23
Phone No.:
FBPE Registr

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

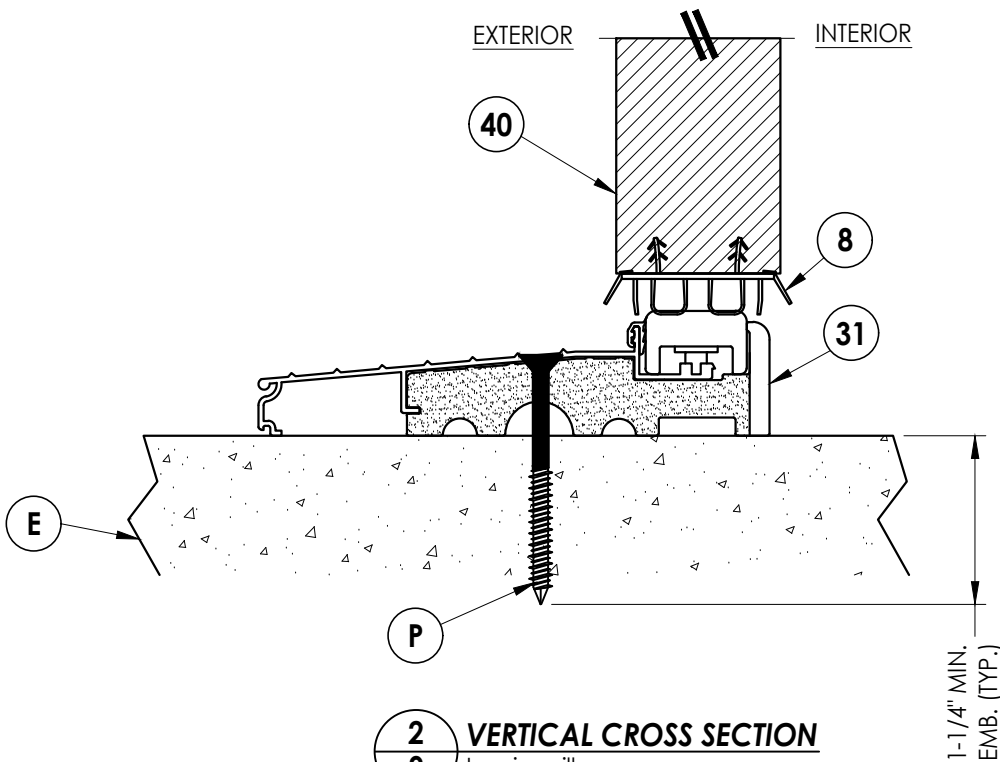
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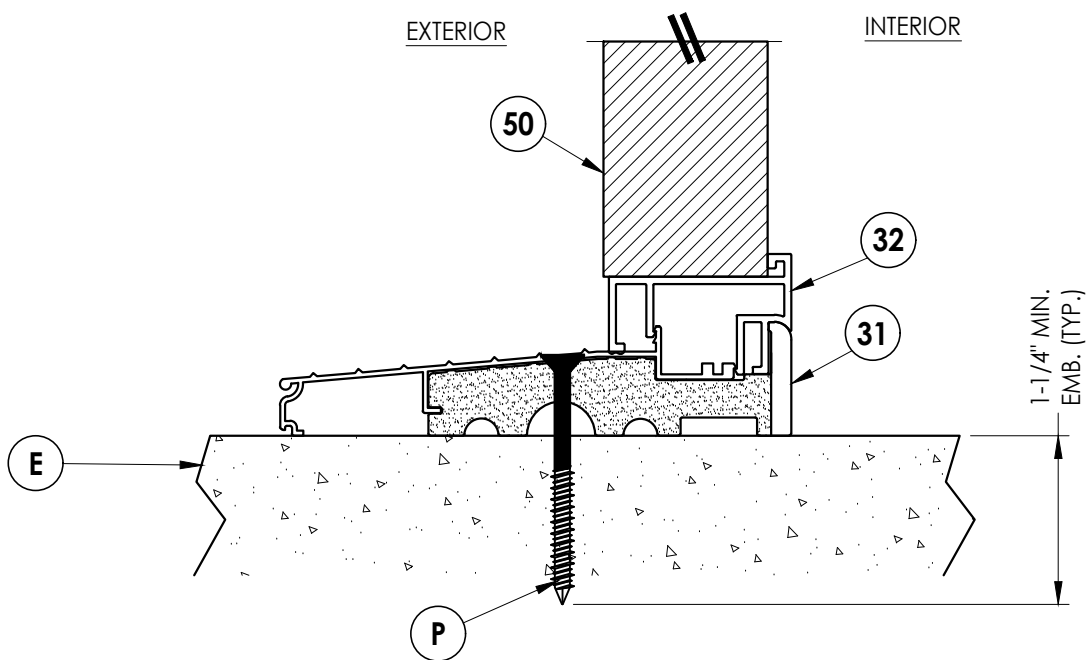
1
9 **VERTICAL CROSS SECTION**
Outswing sill - high dam



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



2
9 **VERTICAL CROSS SECTION**
Inswing sill



4
9 **VERTICAL CROSS SECTION**
Inswing sill

Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

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

DATE: 2/05/20

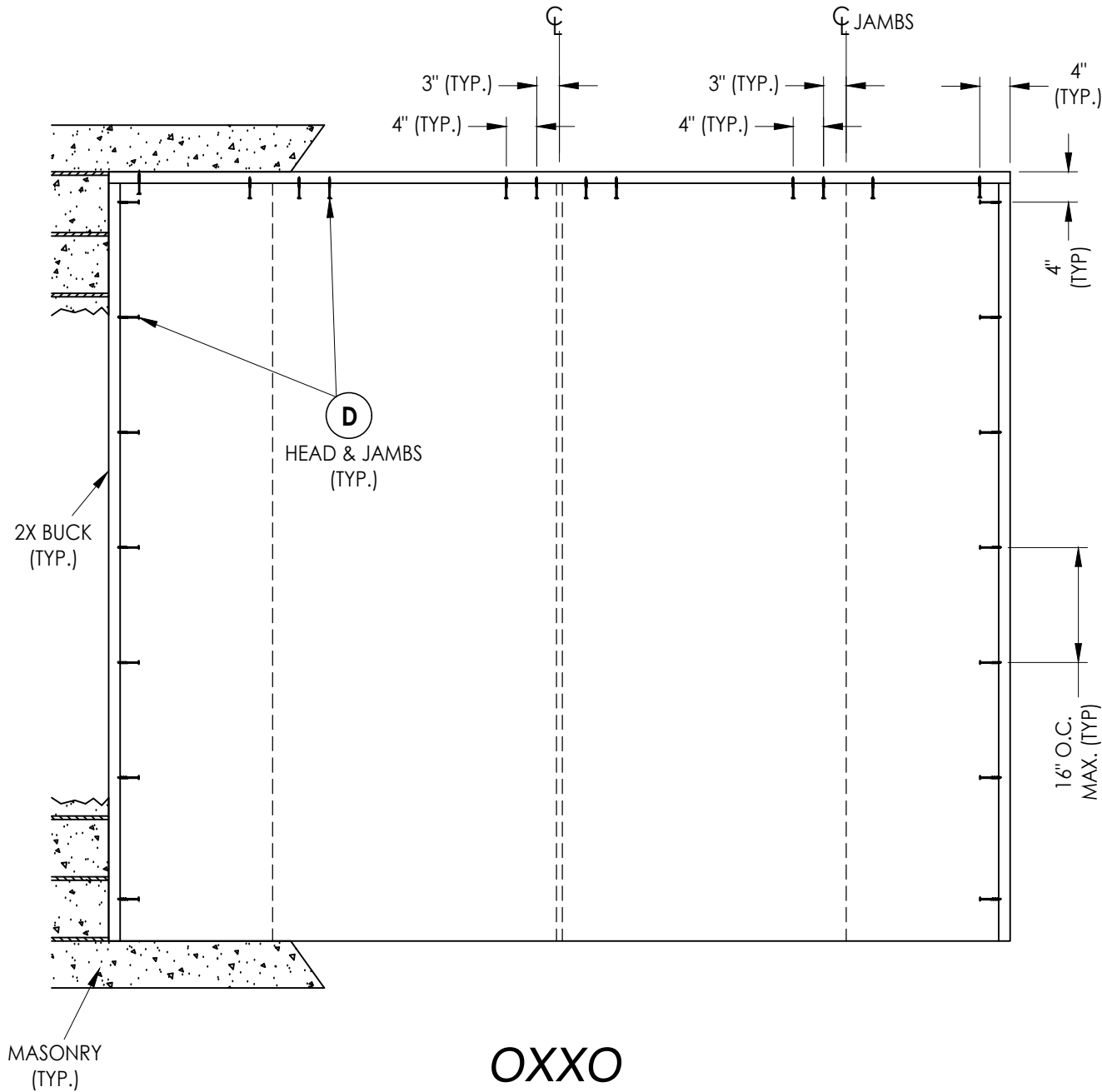
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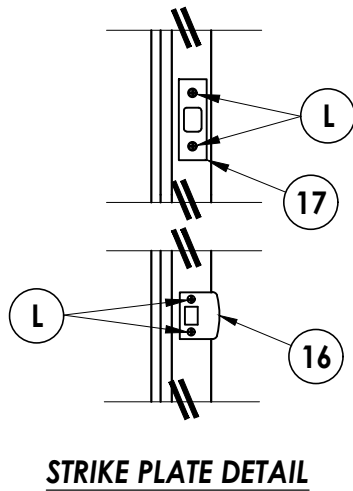
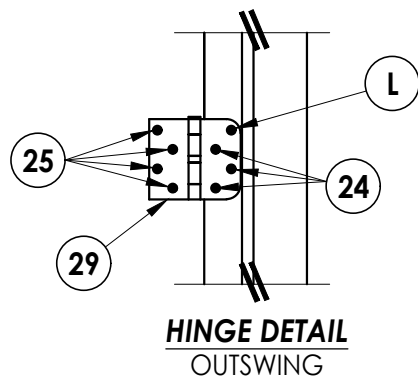
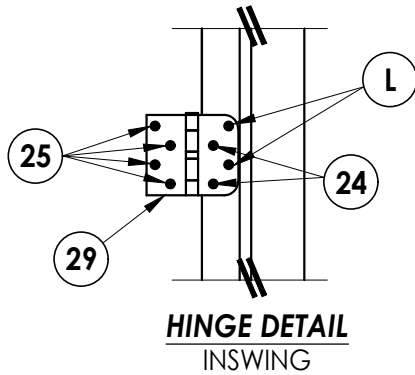
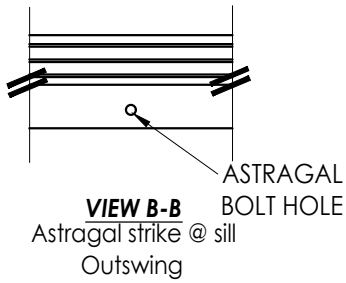
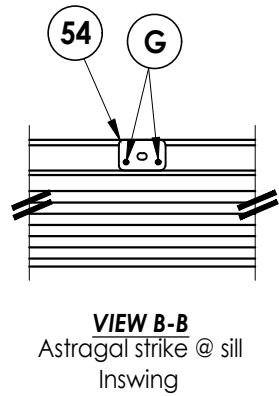
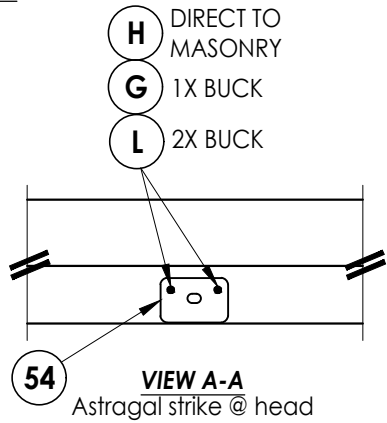
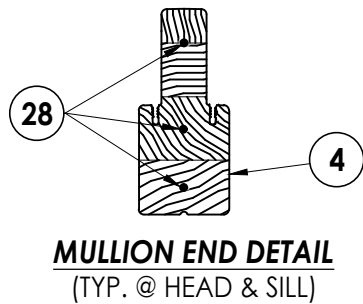
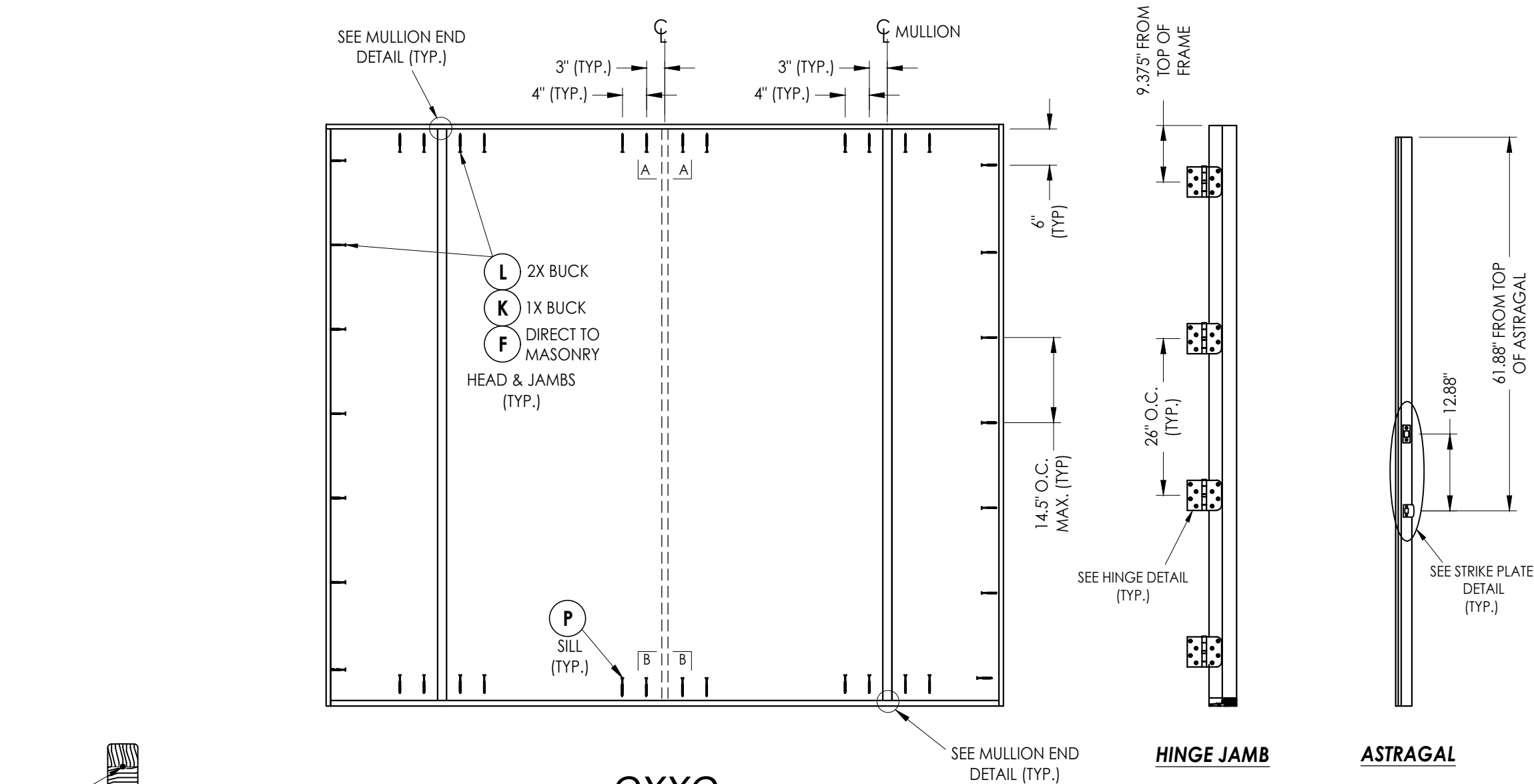
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SHEET 9 OF 13



DATE: 2/05/20		PRODUCT:		TRINITY GLASS INT'L		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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DWG. BY: TRJ									
CHK. BY: LFS									
DRAWING NO.: FL-25575.12									
SHEET 10 OF 13				PART OR ASSEMBLY: BUCK ANCHORING					
		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			
								BY	
								REVISIONS	

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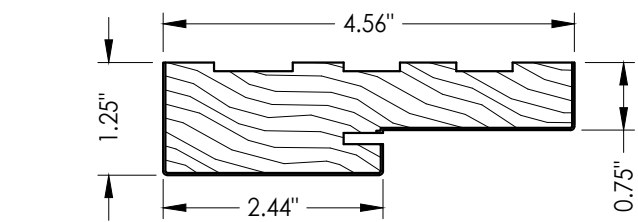
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TRINITY GLASS INT'L

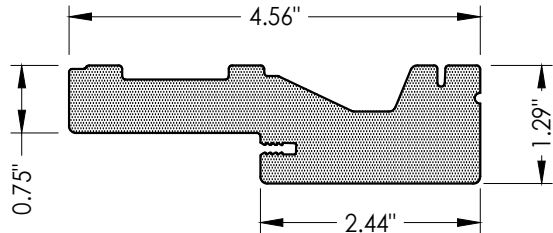
NO.	DATE	REVISIONS
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		& REVISE ENDURA ULT. ASTRAGAL
		BY

DATE: 2/05/20
SCALE: N.T.S.
DWG. BY: TRJ
CHK. BY: LFS
DRAWING NO.:
FL-25575.12
SHEET 11 OF 13

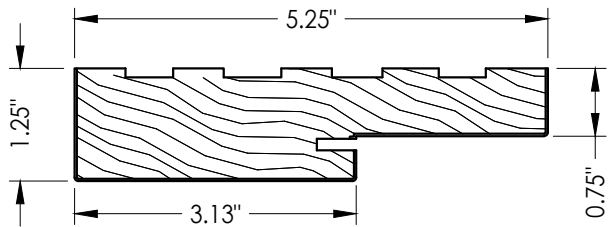
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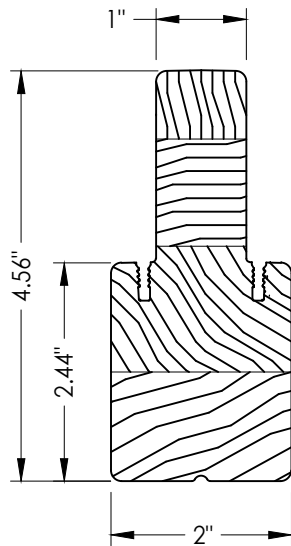
1 FINGER JOINT PINE JAMB



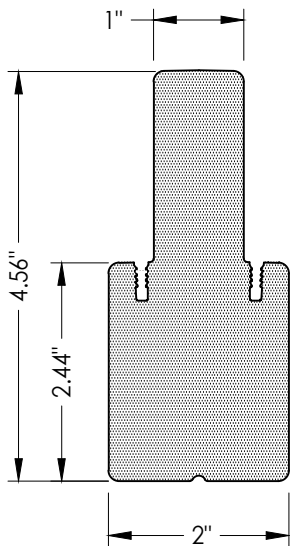
2 HEAD AND JAMBS
PVC



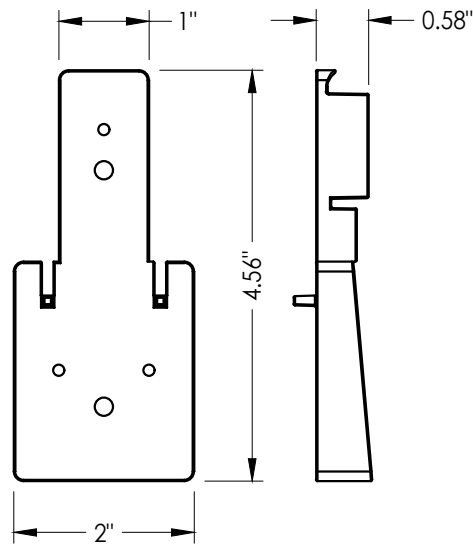
3 FINGER JOINT PINE JAMB



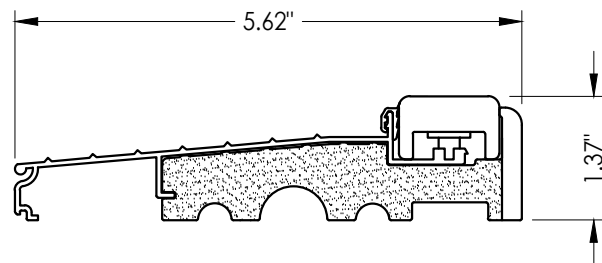
4 INTEGRAL MULLION
PINE



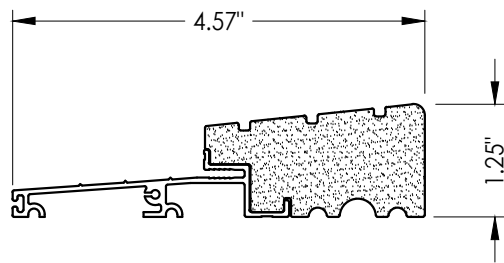
5 INTEGRAL MULLION
PVC



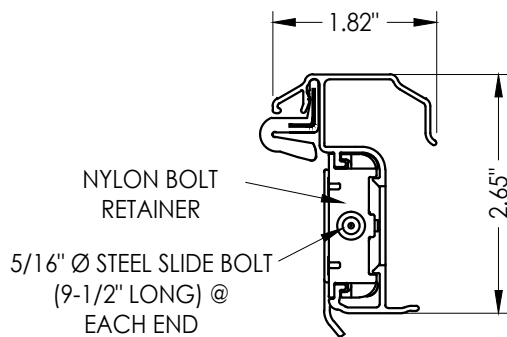
6 INTEGRAL MULLION BASE KIT
Optional



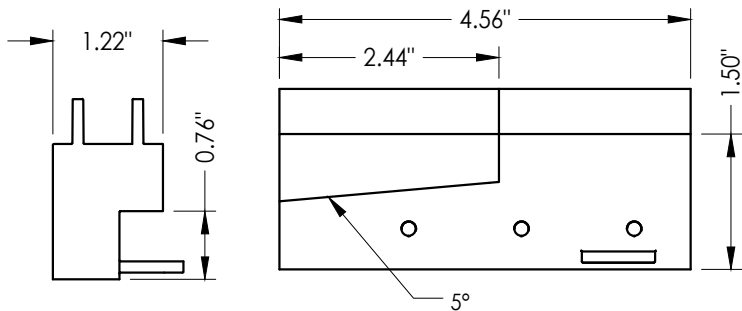
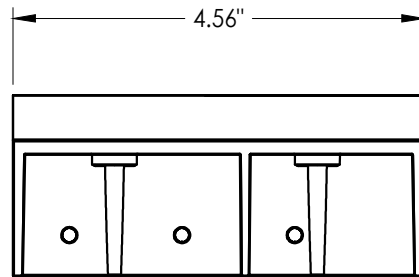
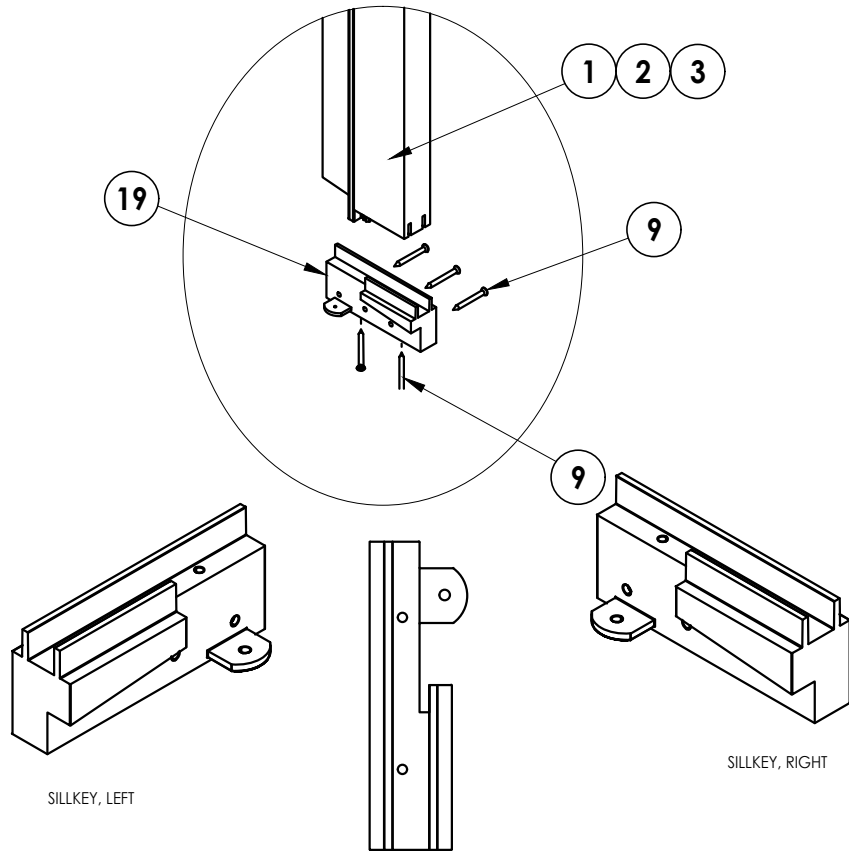
31 INSWING THRESHOLD



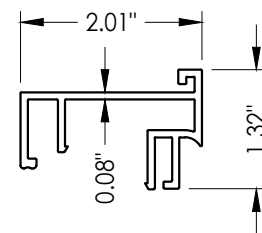
33 INSWING THRESHOLD
High-dam



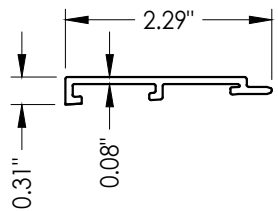
53 ULTIMATE HURRICANE ASTRAGAL
By Endura Products



19 SILLKEY DETAILS
Optional



32 SIDELITE SPACER
Inswing



34 SIDELITE SPACER
Outswing

Documents Prepared By:
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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: 2/05/20
SCALE: N.T.S.
DWG. BY: TRJ
CHK. BY: LFS
DRAWING NO.: FL-25575.12
SHEET 12 OF 13

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
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 PANEL	-
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.

[illegible]