

Z:\2023 FBC Drawings\Trinity Glass Int'l\FL-25575 R5\FL-25575.14-15.dwg

OPAQUE FIBERGLASS

DOUBLE DOOR

w/ SIDELITE(S)

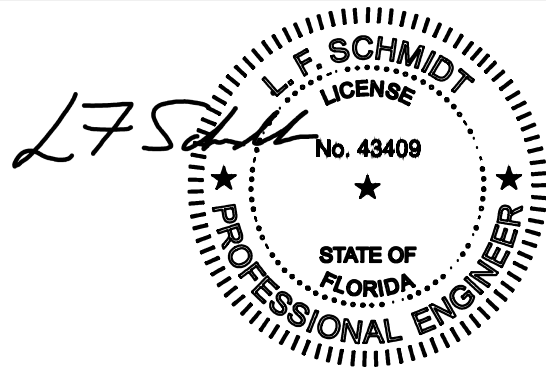
"IMPACT"

INSWING / OUTSWING

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.

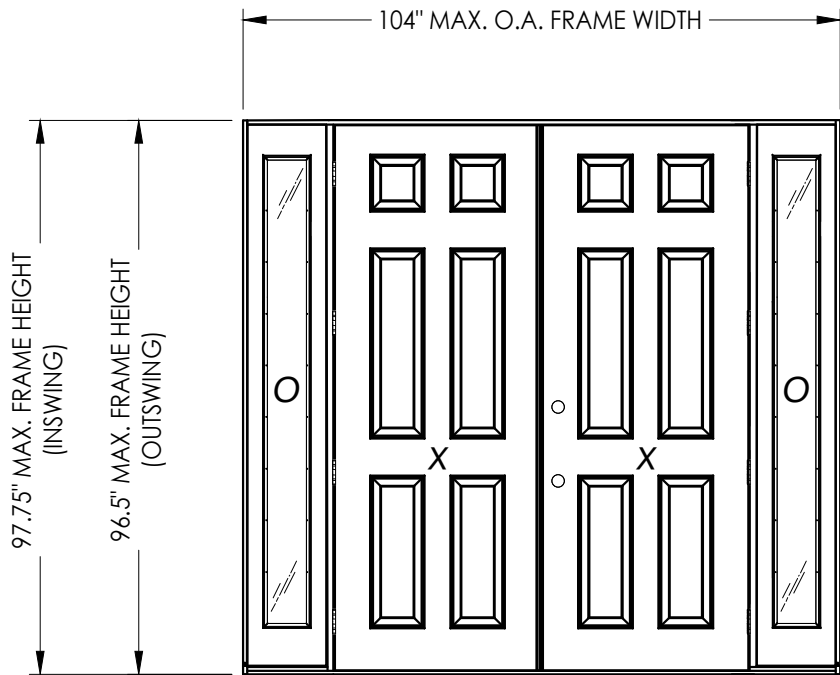
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2	Door panel details
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7	Horizontal and vertical cross sections (Direct to Masonry)
8	Horizontal cross sections
9	Vertical cross sections
10	Buck anchoring
11	Frame anchoring
12	Components
13	Bill of materials



Digitally signed by Lyndon F Schmidt
Date: 2023.08.01 11:22:25 -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



Continuous Head and Sill

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

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

TRINITY GLASS INT'L

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

DATE: 3/24/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-25575.15

SHEET 1 OF 13

1 8/01/23

UPDATE TO 8TH ED. (2023)

FBC

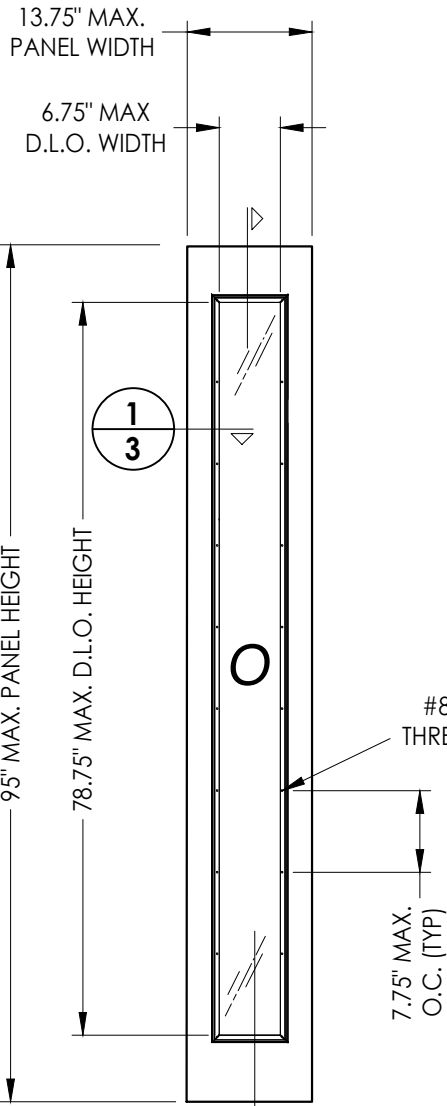
NO. DATE

REVISIONS

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

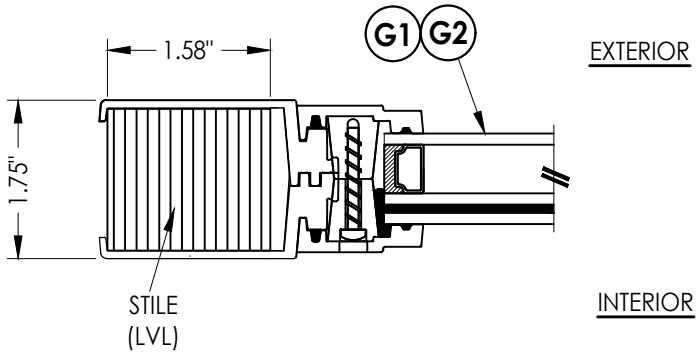
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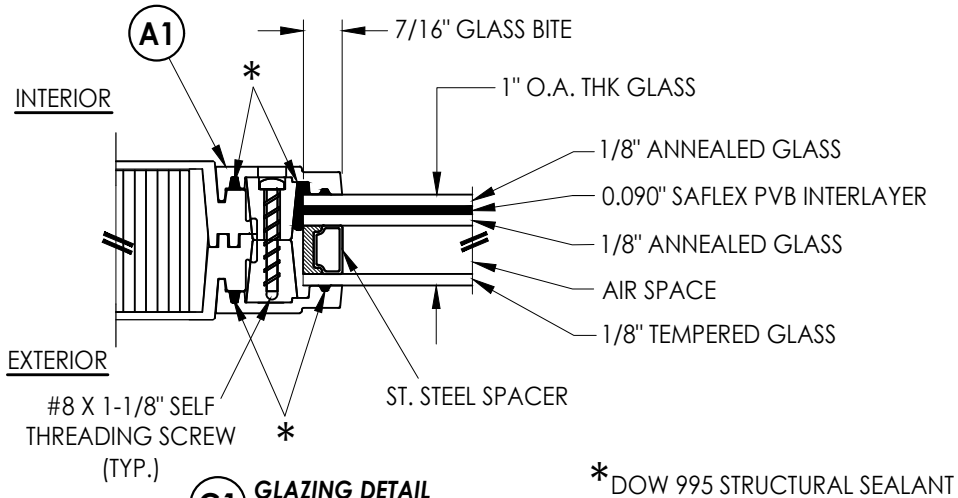


50 SIDELITE PANEL
Fiberglass

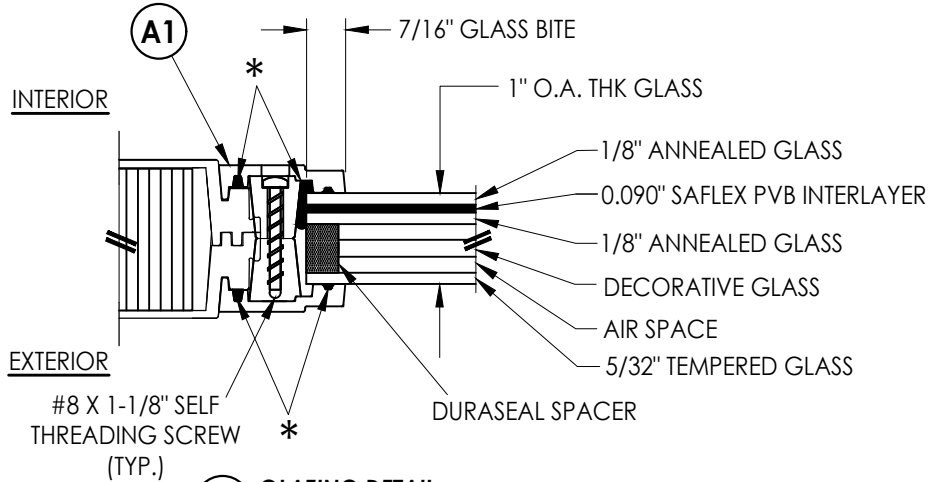
DOOR SKIN: 0.075" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM



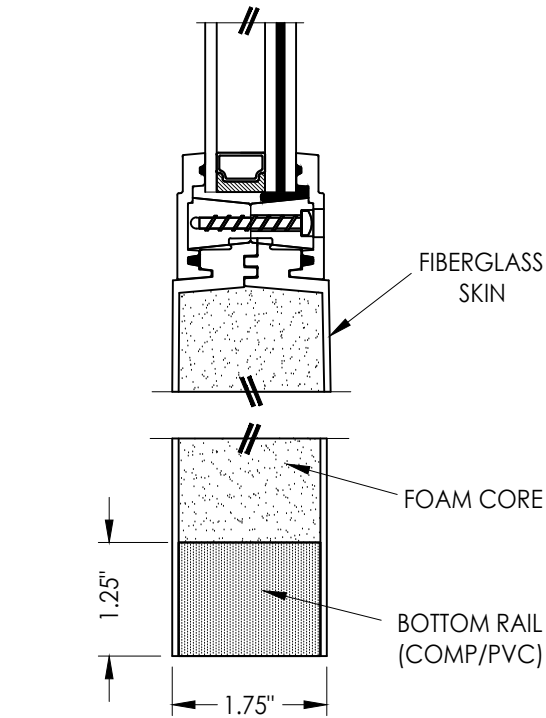
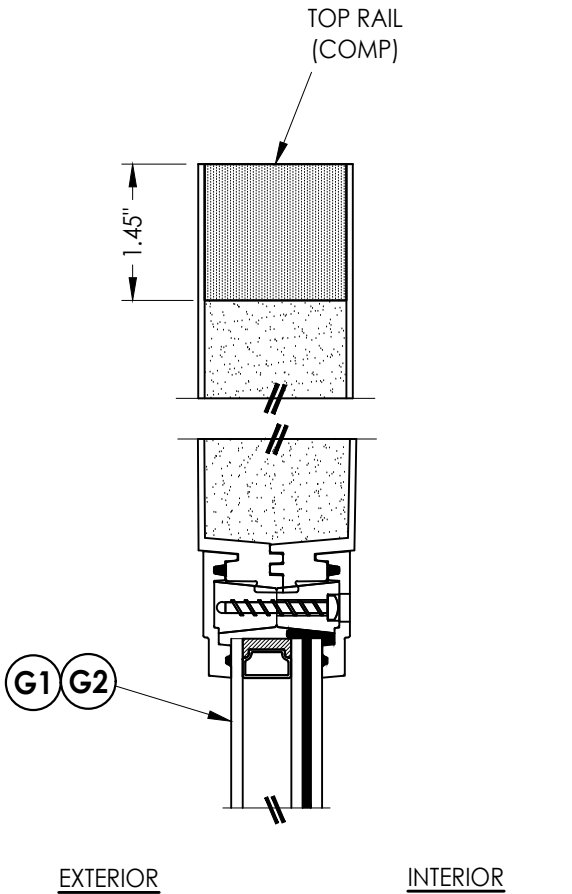
1
3 HORIZONTAL CROSS SECTION



G1 GLAZING DETAIL
DUAL GLAZED



G2 GLAZING DETAIL
TRIPLE GLAZED



2
3 VERTICAL CROSS SECTION

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT:
TRINITY GLASS INT'L

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

NO.	DATE	REVISIONS
1	8/01/23	UPDATE TO 8TH ED. (2023) FBC

DATE: 3/24/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-25575.15

SHEET 3 OF 13

[illegible]

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Technical drawing of a window assembly cross-section, showing the exterior and interior components. The drawing includes labels A through L, dimensions, and material specifications.

Labels:

- A:** Exterior finish (stucco or concrete).
- B:** Window frame (extrusion).
- C:** Insulation (foam).
- D:** Fastener (screw).
- E:** Weatherstripping (seal).
- F:** Glass unit.
- G:** Interior finish (drywall).
- H:** Interior frame (extrusion).
- I:** Insulation (foam).
- J:** Fastener (screw).
- K:** Weatherstripping (seal).
- L:** Drainage channel.

Dimensions:

- 1-1/4" MIN. EMB. (TYP.):** Minimum embedment depth of the fastener into the exterior finish.
- 0.15" C/SINK (TYP.):** Typical depth of the drainage channel.

Material Specifications:

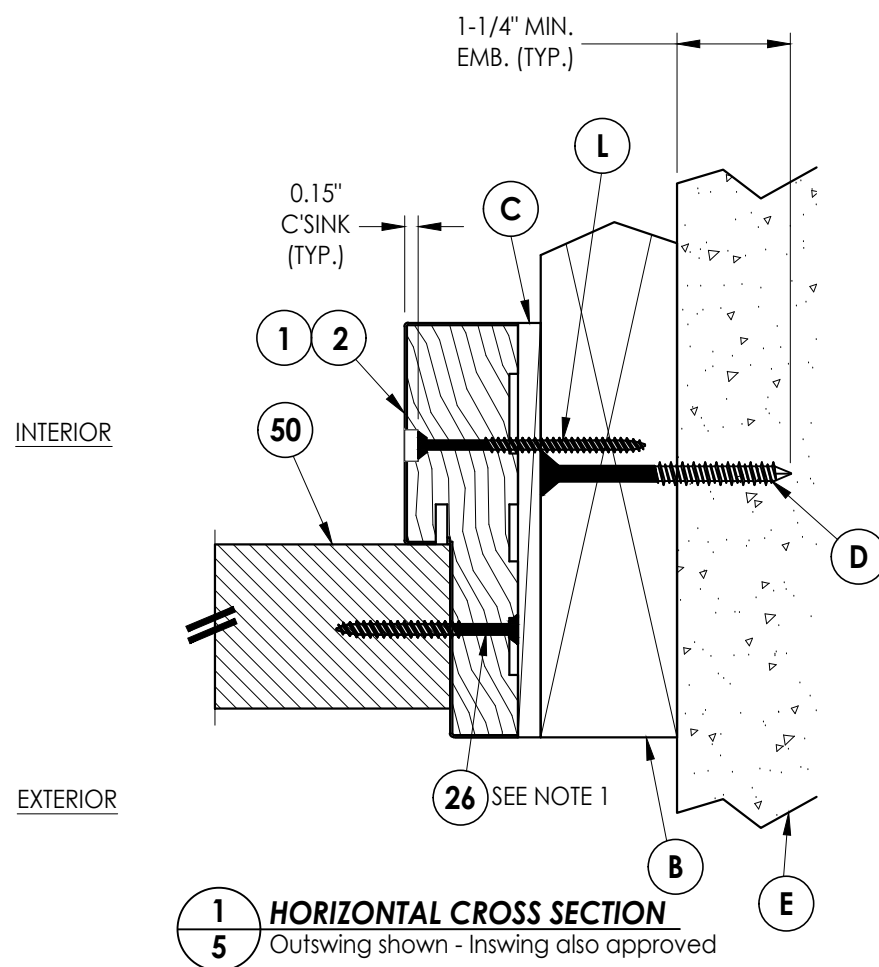
- 50 EXTERIOR:** Material specification for the exterior finish.
- 1 2:** Material specification for the window frame.

Orientation:

- EXTERIOR:** The left side of the drawing.
- INTERIOR:** The right side of the drawing.

NOTE:

1. Item #26 located 6" from each end plus 5 more equally spaced (7 total).

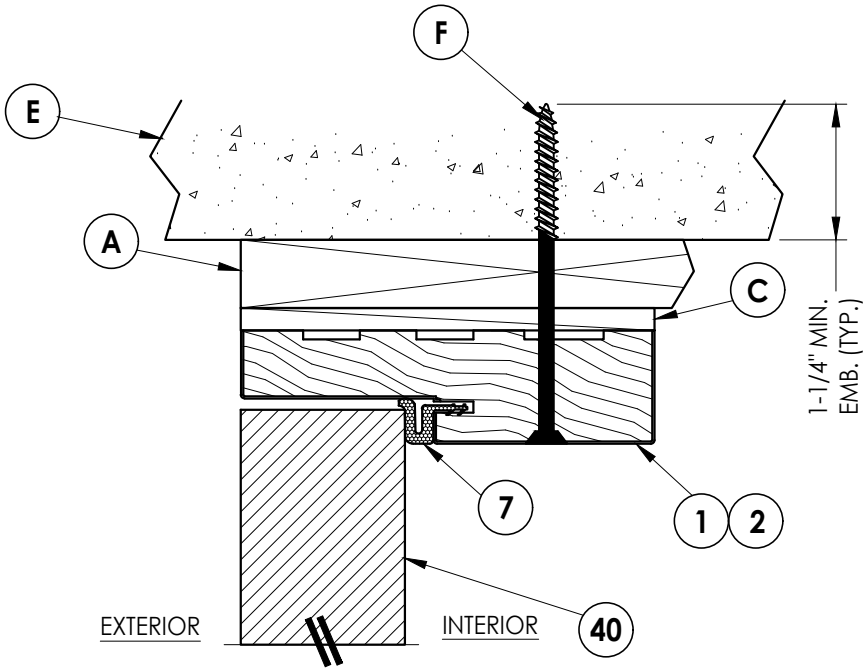


1 **HORIZONTAL CROSS SECTION**
5 Outswing shown - Inswing also approved

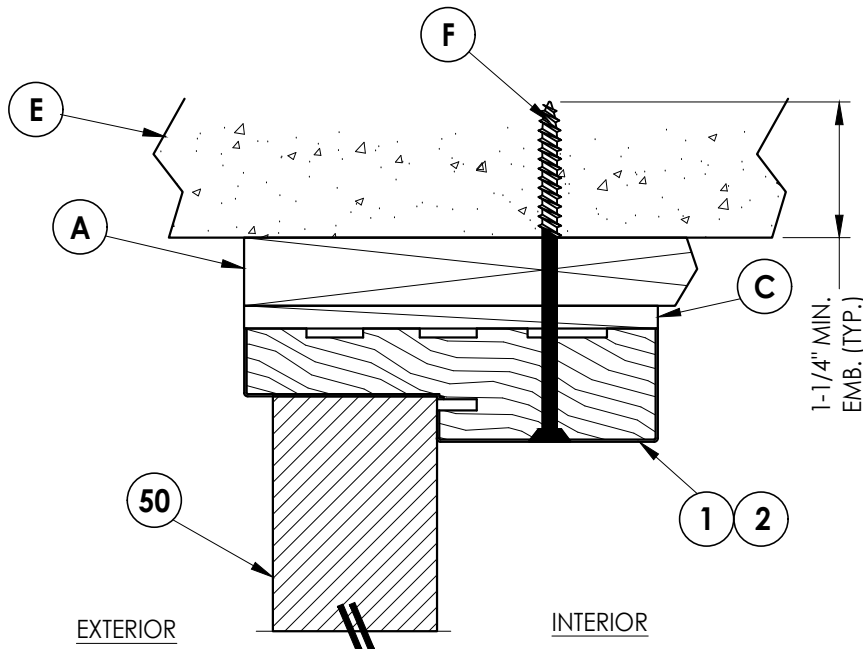
DATE: 3/24/21		PRODUCT: TRINITY GLASS INT'L	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-25575.15		PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS (2X BUCK)	
SHEET 5 OF 13			

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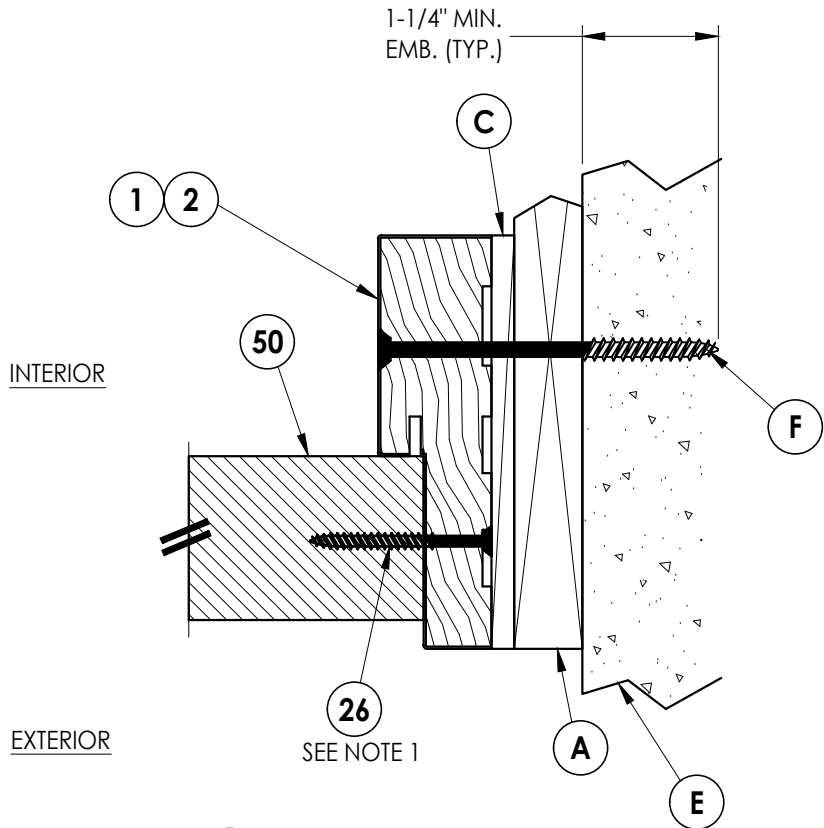
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2
6 **VERTICAL CROSS SECTION**
Outswing shown - Inswing also approved



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 5 more equally spaced (7 total).

DATE: 3/24/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-25575.15
SHEET 6 OF 13

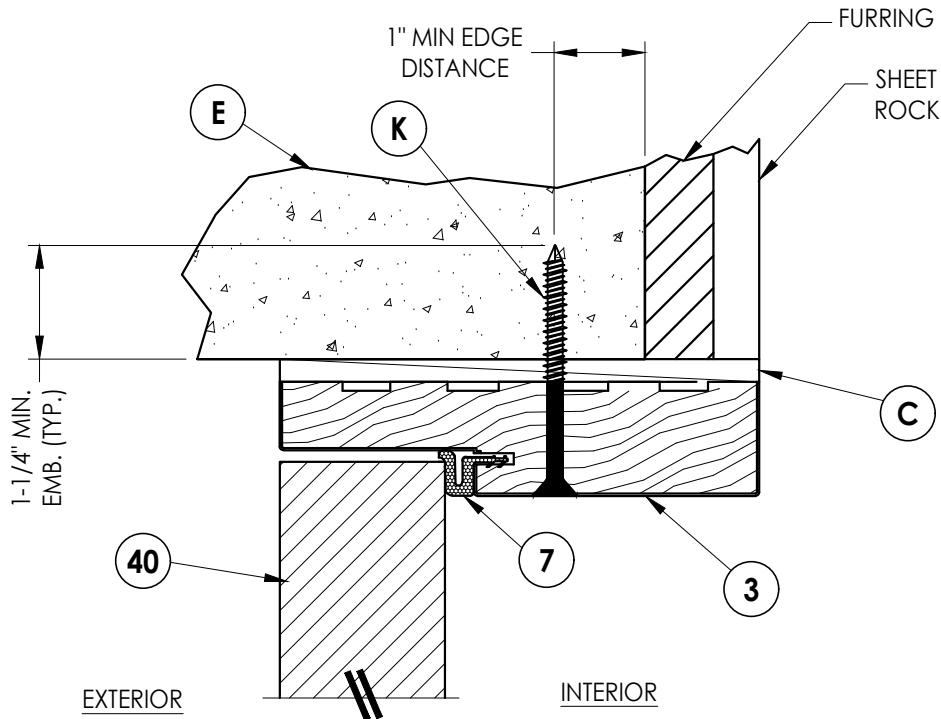
NO.	DATE	REVISIONS
1	8/01/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

PRODUCT:	TRINITY GLASS INT'L
PART OR ASSEMBLY:	HORIZONTAL AND VERTICAL CROSS SECTIONS (1X BUCK)

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

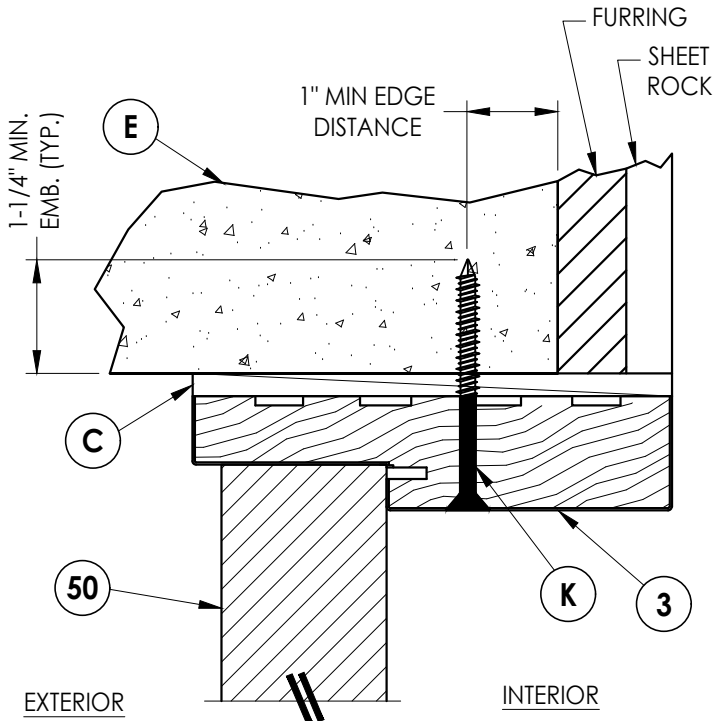
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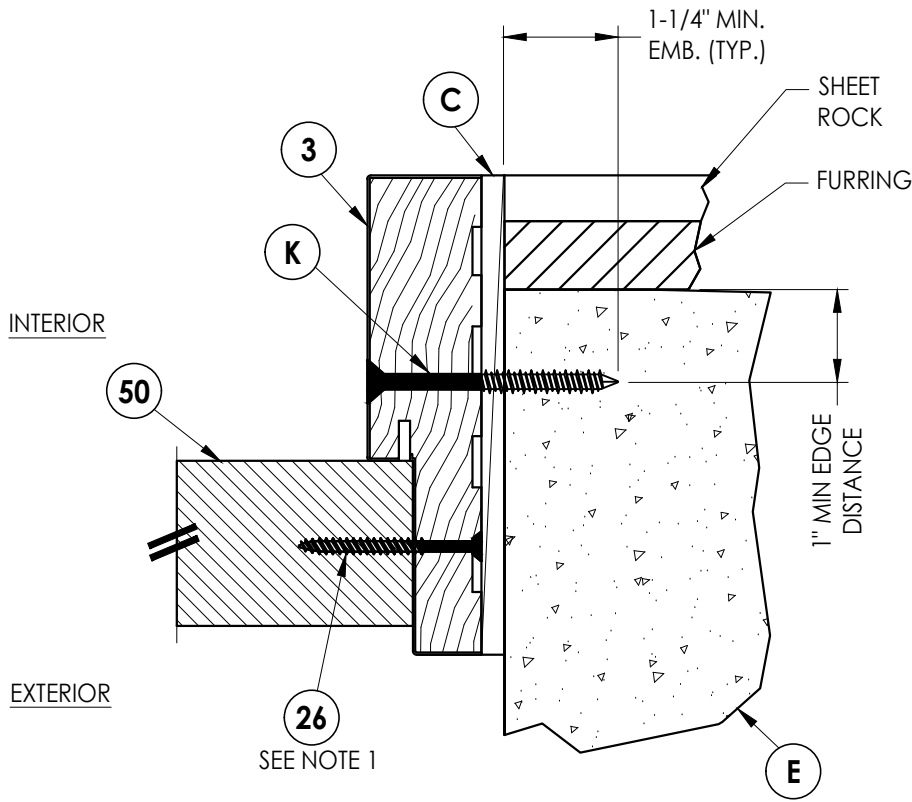


2
7 **VERTICAL CROSS SECTION**
Outswing only

NOTE:
1. Item #26 located 6" from each end plus 5 more equally spaced (7 total).



3
7 **VERTICAL CROSS SECTION**
Outswing only



1
7 **HORIZONTAL CROSS SECTION**
Outswing only

Documents Prepared By:
Lyndon F. Schmidt
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PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY:
HORIZONTAL AND VERTICAL CROSS
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS
1	8/01/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 3/24/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-25575.15

SHEET 7 OF 13



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



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



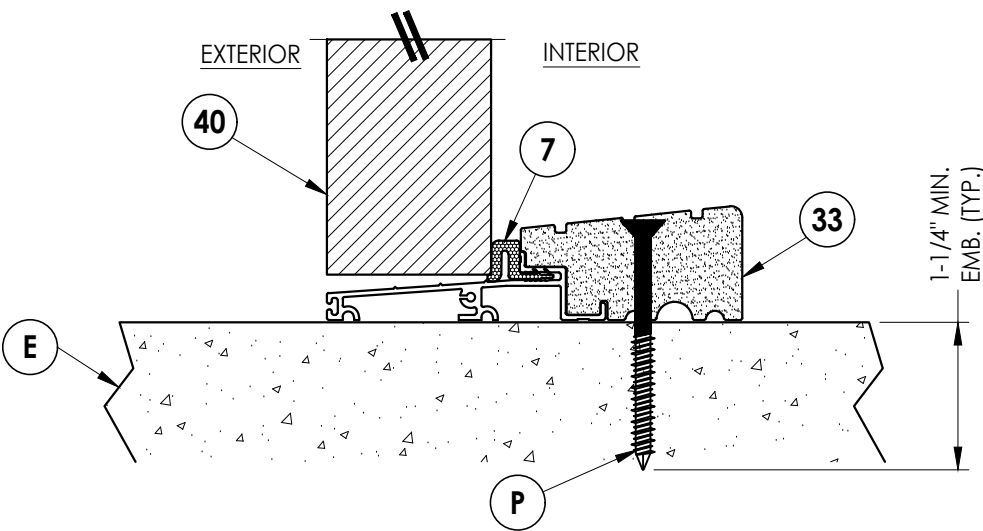
3 **HORIZONTAL CROSS SECTION**
8 Outswing shown - Inswing also approved

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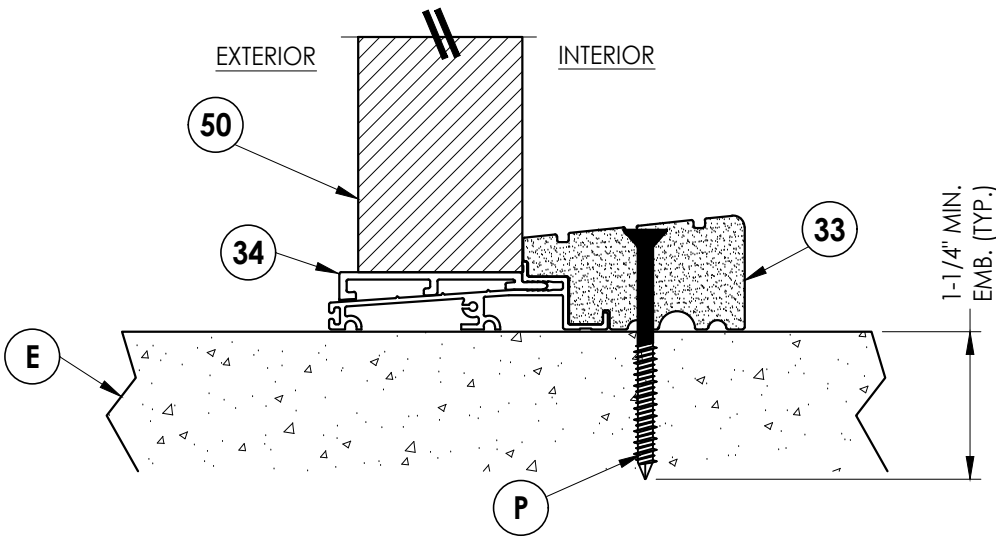
Documents Prepared By:
Lyndon F. Schmidt
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Phone No.: 813.659.9197
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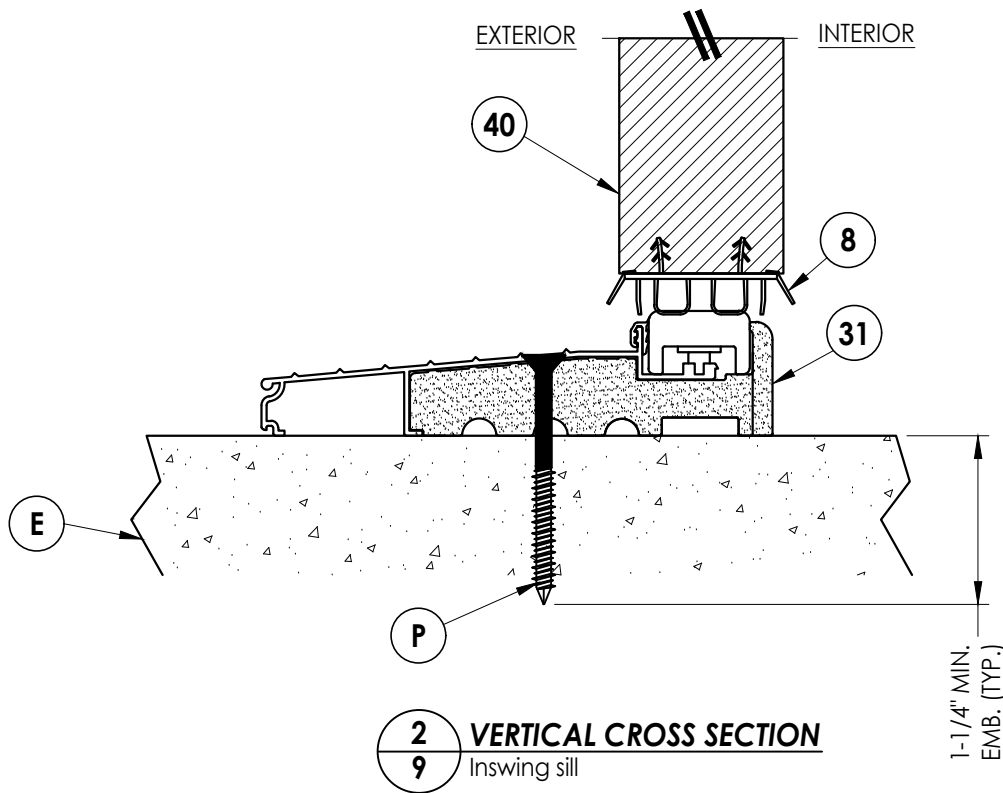
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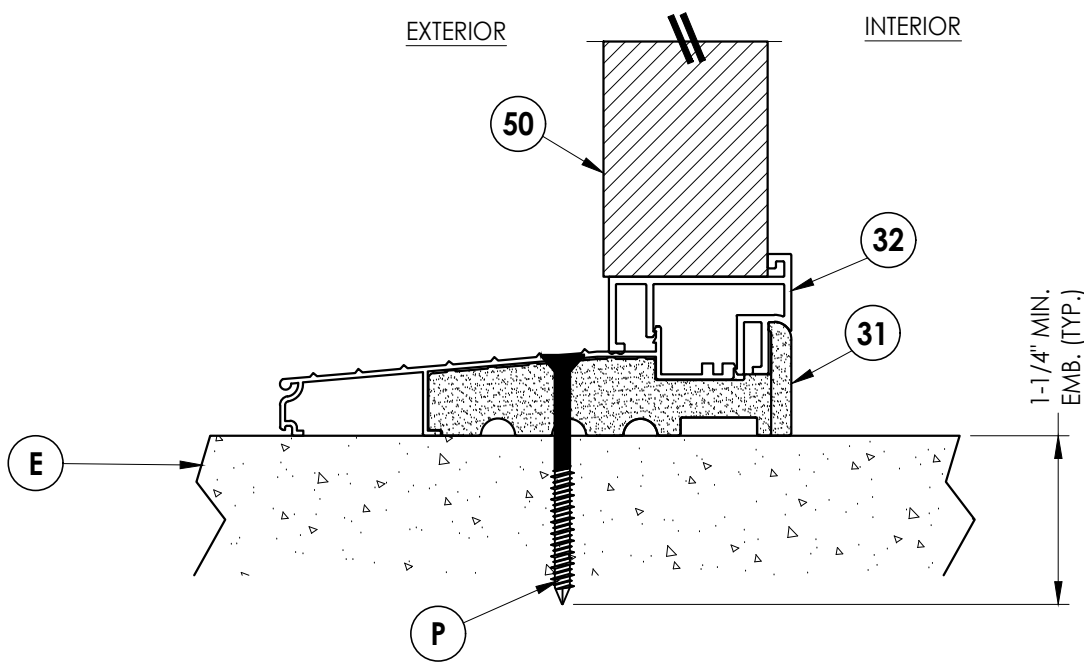
1
9 **VERTICAL CROSS SECTION**
Outswing sill - high dam



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



2
9 **VERTICAL CROSS SECTION**
Inswing sill



4
9 **VERTICAL CROSS SECTION**
Inswing sill

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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	BY	REVISIONS
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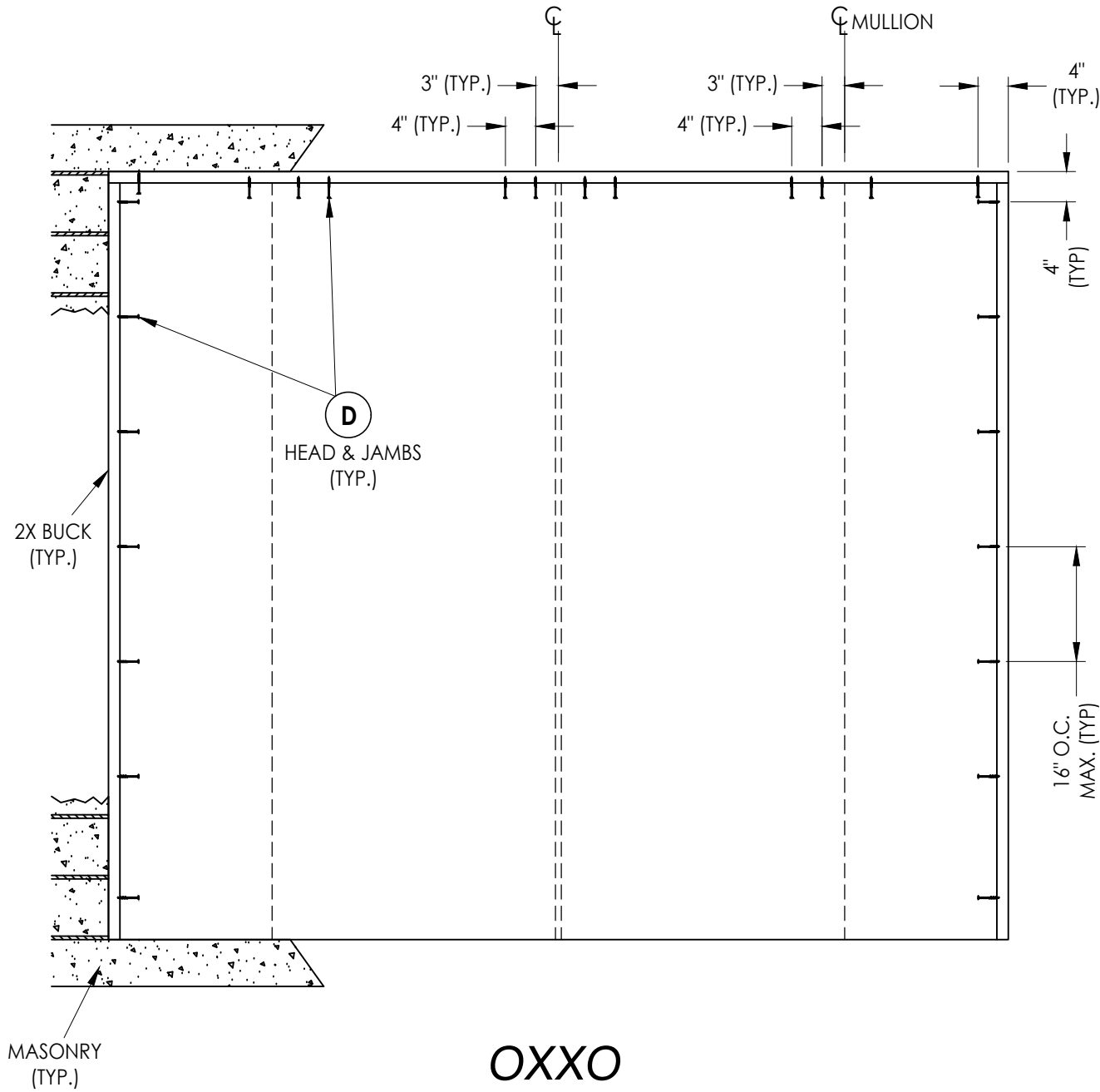
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2X BUCK ANCHORING

DATE: 3/24/21	
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DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.: FL-25575.15	
SHEET	10 of 13

1	8/01/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
NO.	DATE			BY	
REVISIONS					

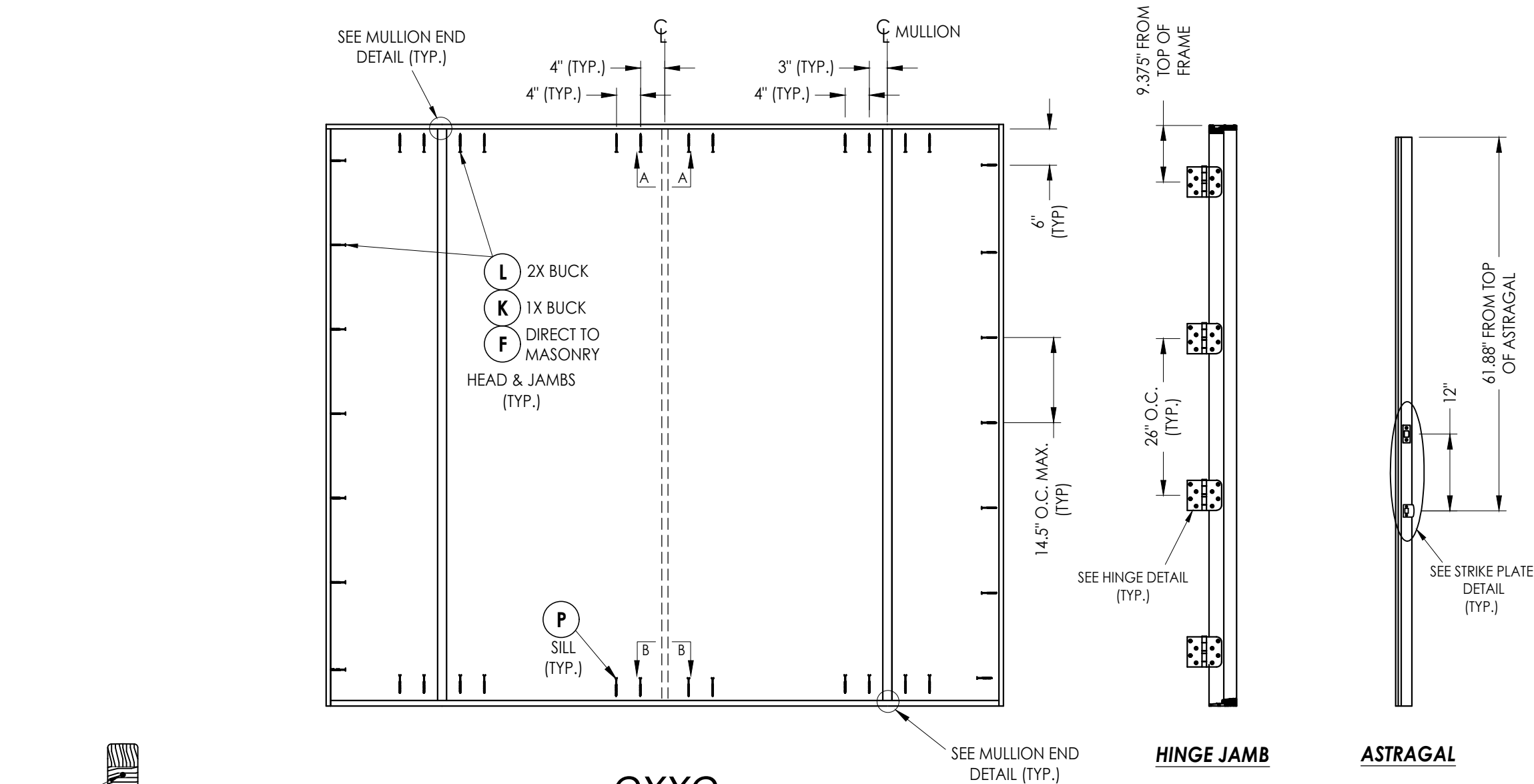
PRODUCT:	TRINITY GLASS INT'L
	PART OR ASSEMBLY: BUCK ANCHORING

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

RW

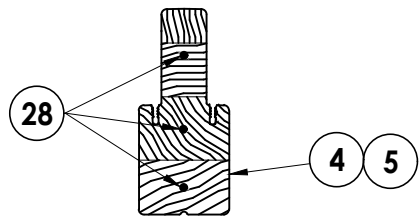
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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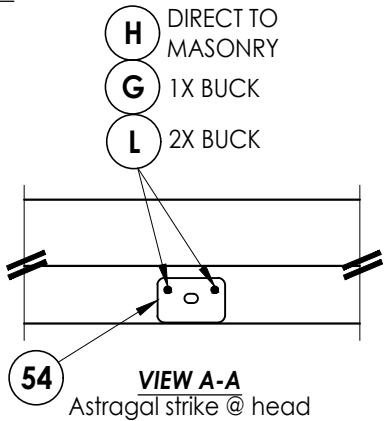


HINGE JAMB

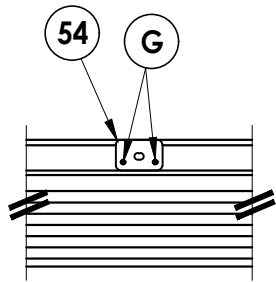
ASTRAGAL



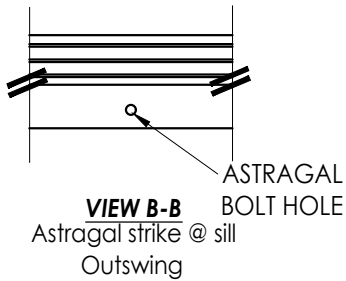
MULLION END DETAIL
(TYP. @ HEAD & SILL)



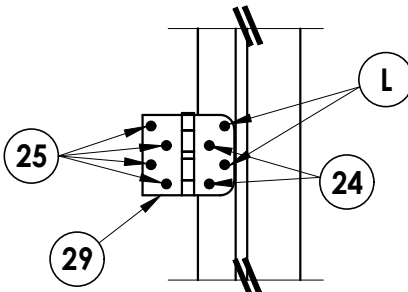
VIEW A-A
Astragal strike @ head



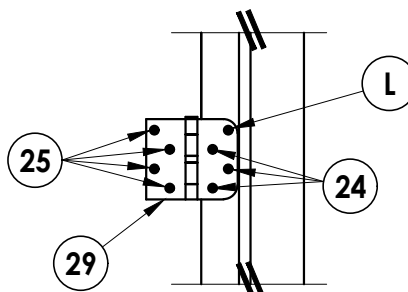
VIEW B-B
Astragal strike @ sill
Inswing



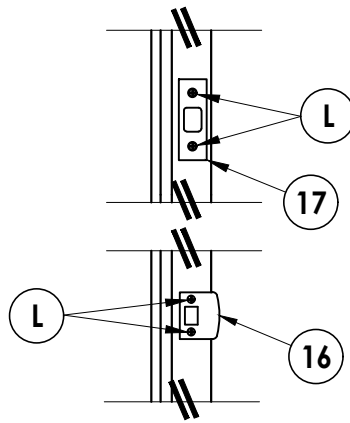
VIEW B-B
Astragal strike @ sill
Outswing



HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING



STRIKE PLATE DETAIL

OXO FRAME ANCHORING

PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY:
FRAME ANCHORING

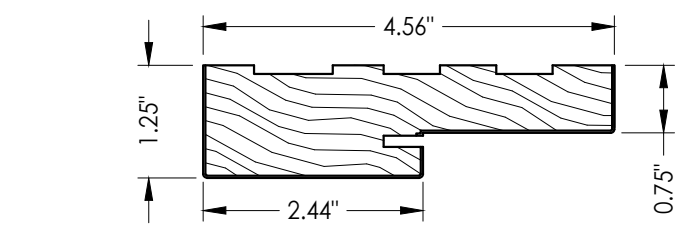
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

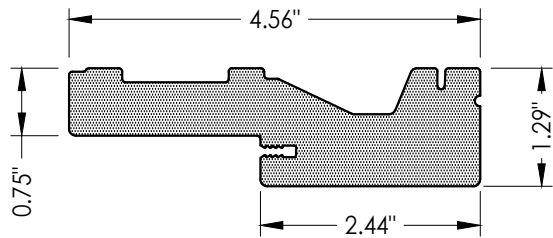
DATE: 3/24/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-25575.15
SHEET 11 OF 13

NO. DATE REVISIONS
1 8/01/23 UPDATE TO 8TH ED. (2023) FBC LFS BY

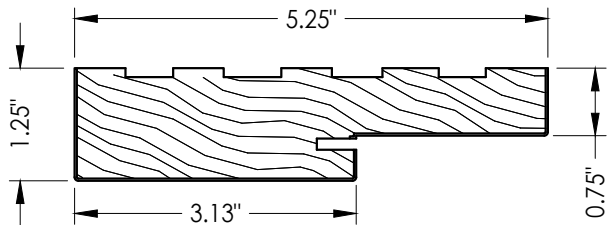
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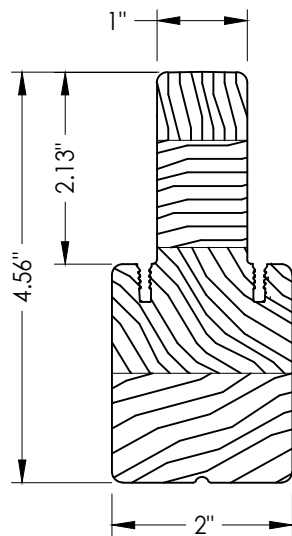
1 FINGER JOINT PINE JAMB



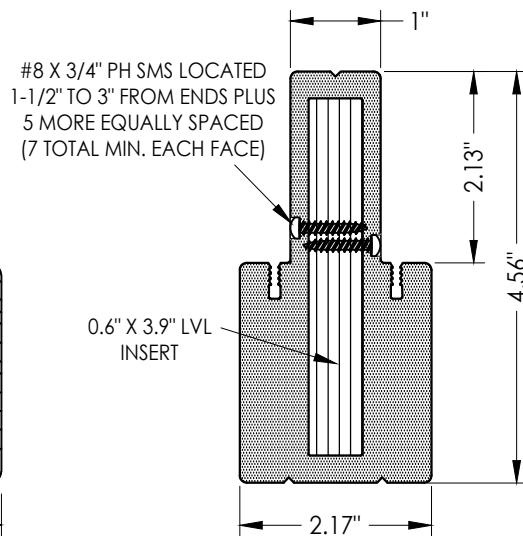
2 HEAD AND JAMBS
PVC



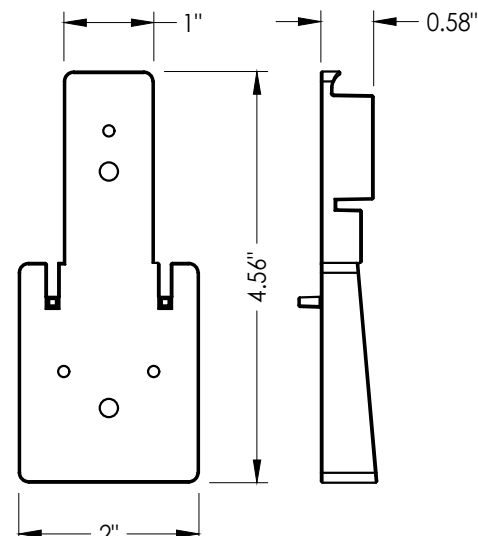
3 FINGER JOINT PINE JAMB



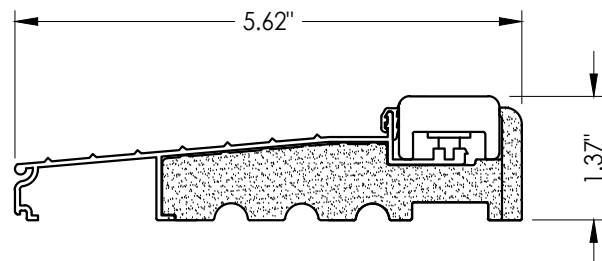
4 INTEGRAL MULLION
PINE



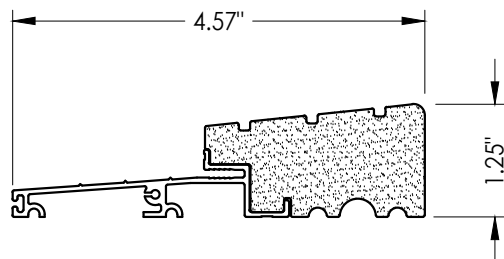
5 INTEGRAL MULLION
PVC/LVL



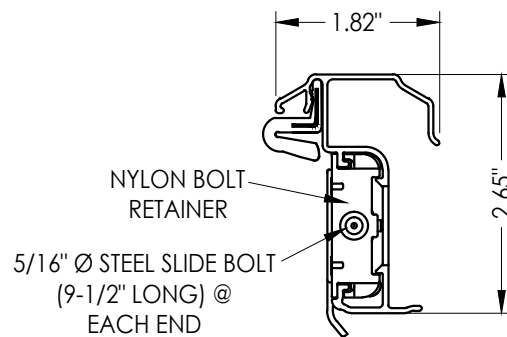
6 INTEGRAL MULLION BASE KIT
Optional



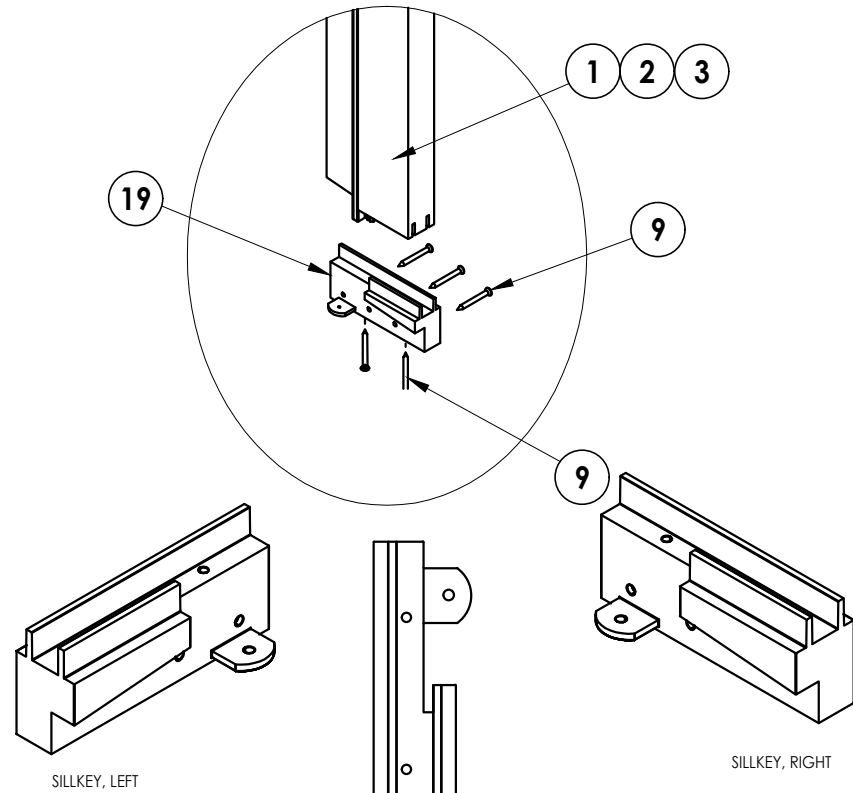
31 INSWING THRESHOLD



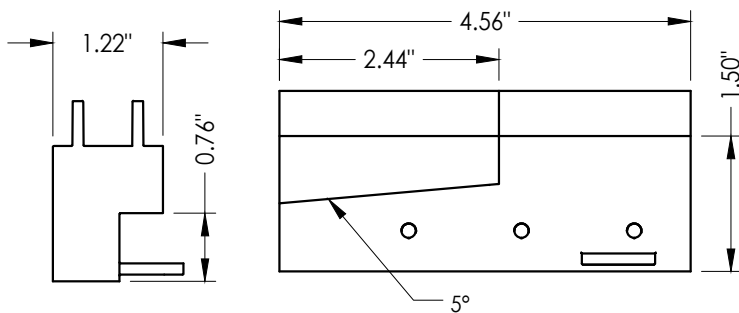
33 OUTSWING THRESHOLD
High-dam



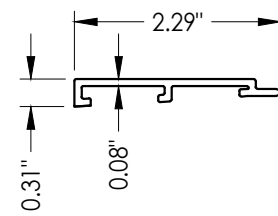
53 ULTIMATE HURRICANE ASTRAGAL
Endura Products



19 SILLKEY DETAILS
Optional



32 SIDELITE SPACER
Inswing



34 SIDELITE SPACER
Outswing

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:
COMPONENTS

NO.	DATE	REVISIONS
1	8/01/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 3/24/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-25575.15

SHEET 12 OF 13

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDDEX 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"

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

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