

"Teak"

GLAZED FIBERGLASS DOUBLE DOOR

w/ or w/out SIDELITE(S)

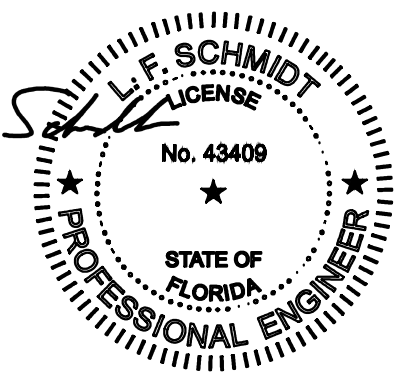
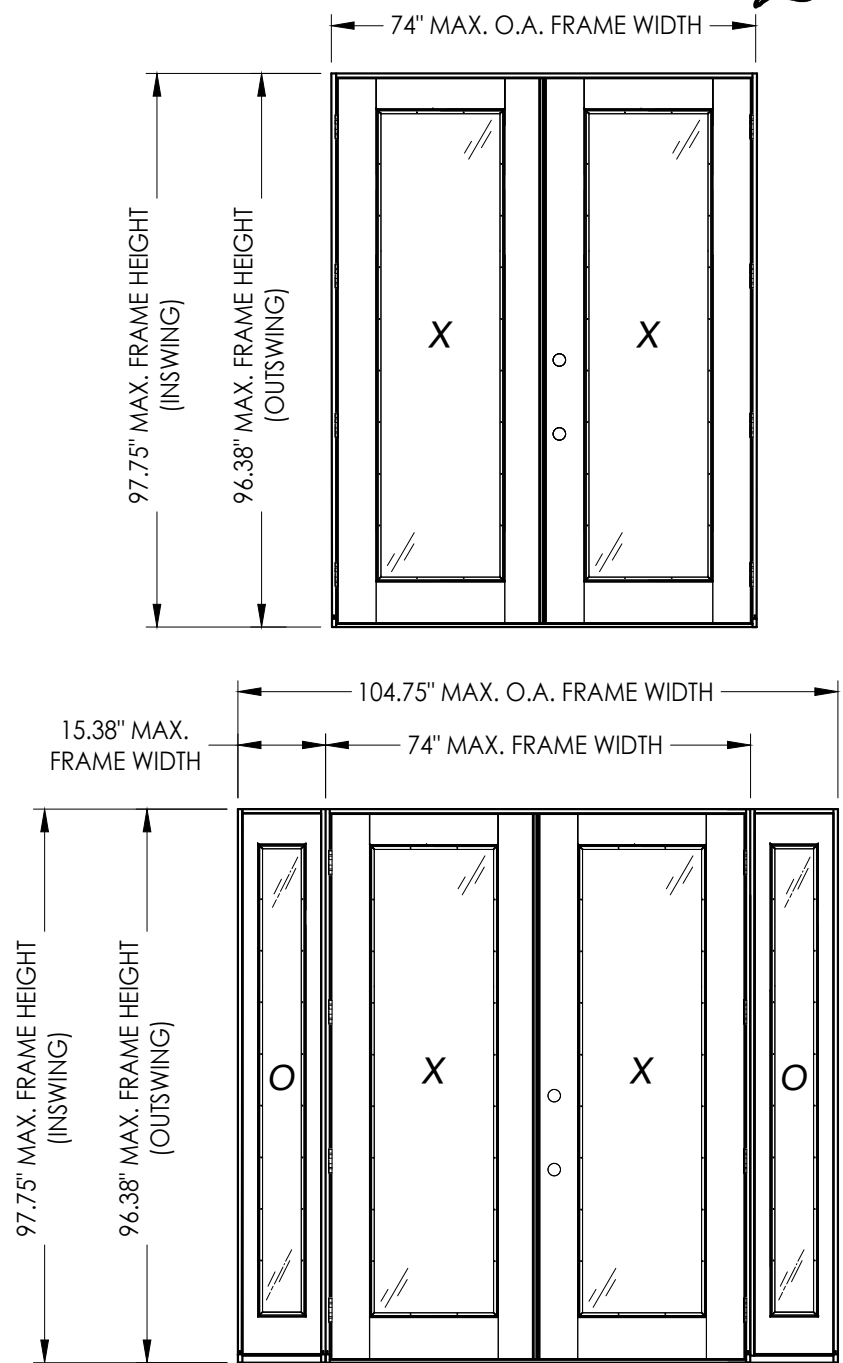
"NON-IMPACT"

INSWING / OUTSWING

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 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 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
2	Door panel details
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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



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

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	+40.0	-40.0

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

TRINITY GLASS INT'L

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

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

NO.

DATE

REVISIONS

DATE: 2/05/20

SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

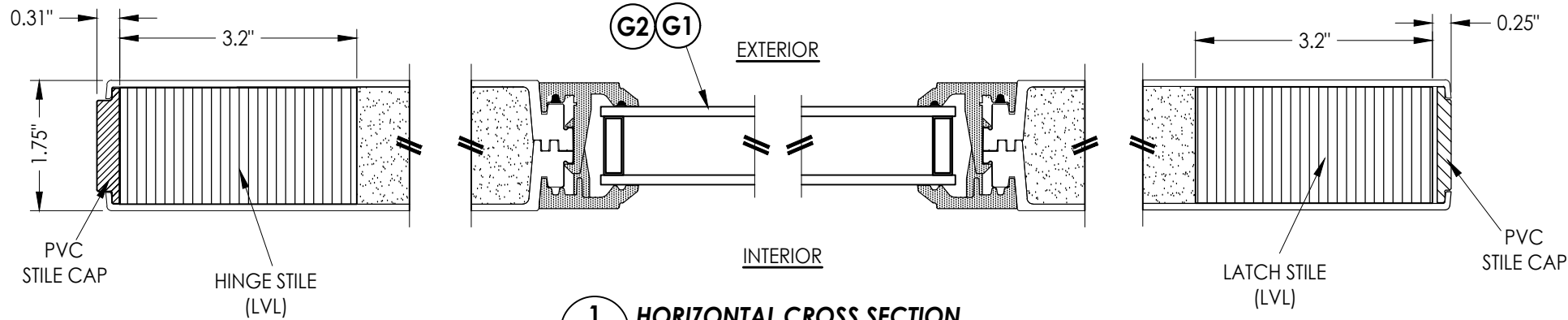
DRAWING NO.: FL-25575.11

SHEET 1 OF 13

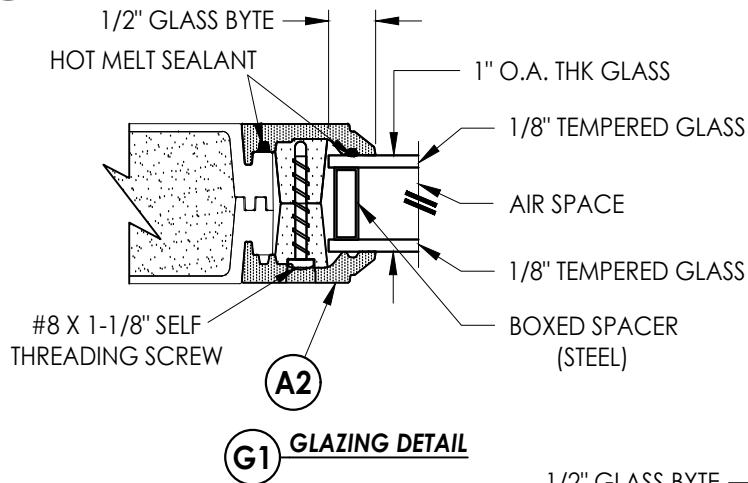
RW

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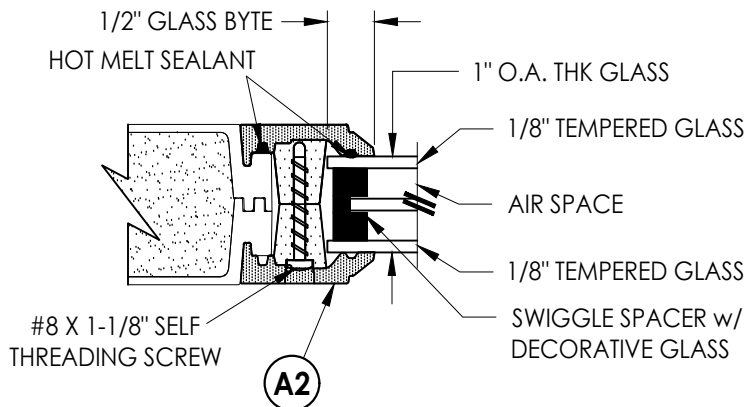
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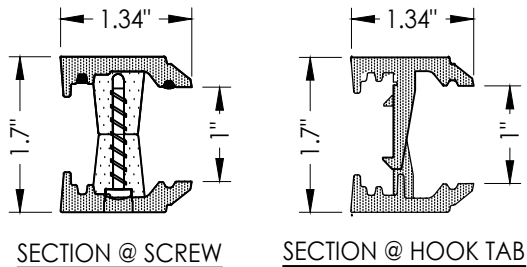
1
2 **HORIZONTAL CROSS SECTION**



G1 **GLAZING DETAIL**



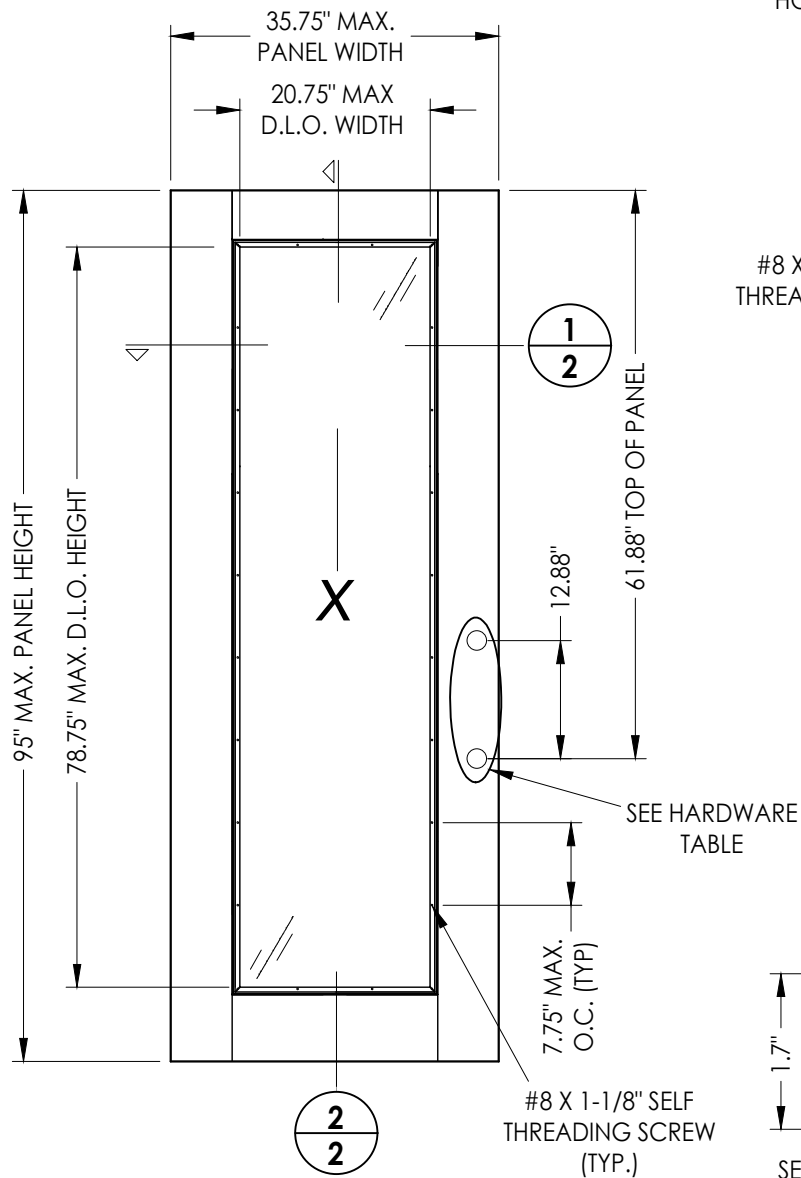
G2 **GLAZING DETAIL**
DECORATIVE GLASS



SECTION @ SCREW SECTION @ HOOK TAB

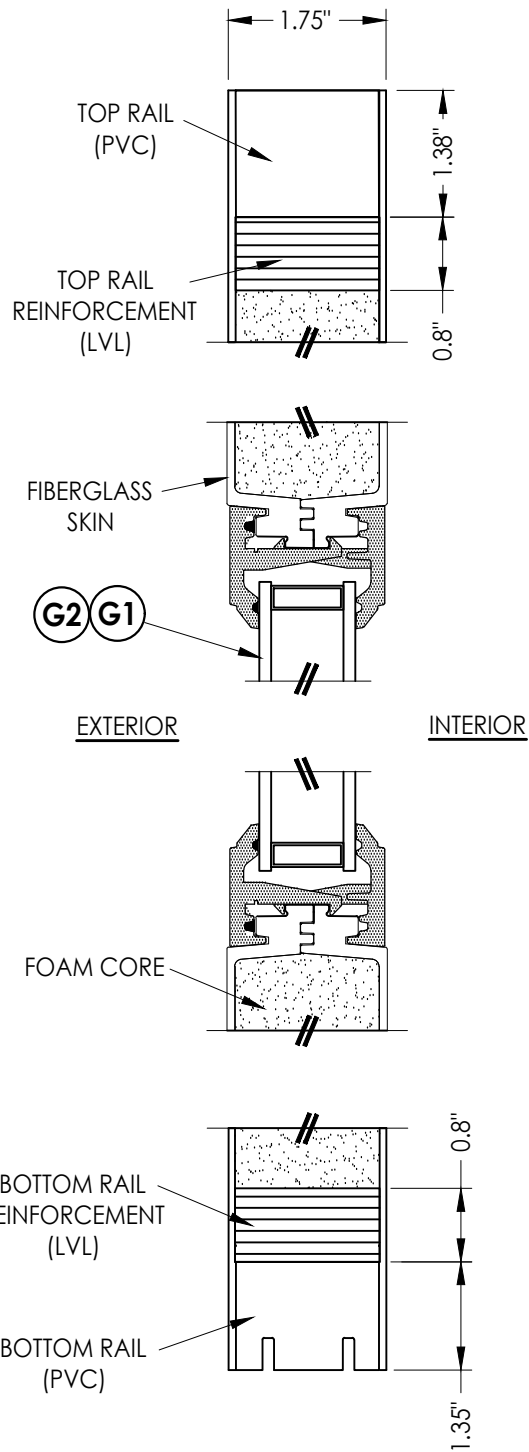
A2 **FLUSH GLAZING FRAME**
FIBERGLASS

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



40 **GLAZED DOOR PANEL**
TEAK

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



2
2 **VERTICAL CROSS SECTION**

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

PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY:
DOOR PANEL DETAILS

		REVISONS	
NO.	DATE	BY	
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	

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SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.:

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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

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Lyndon F. Schmidt
P.E. No. 43409

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

PRODUCT: TRINITY GLASS INT'L

OR ASSEMBLY:
SIDELITE PANEL DETAILS

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

DATE: 2/05/20

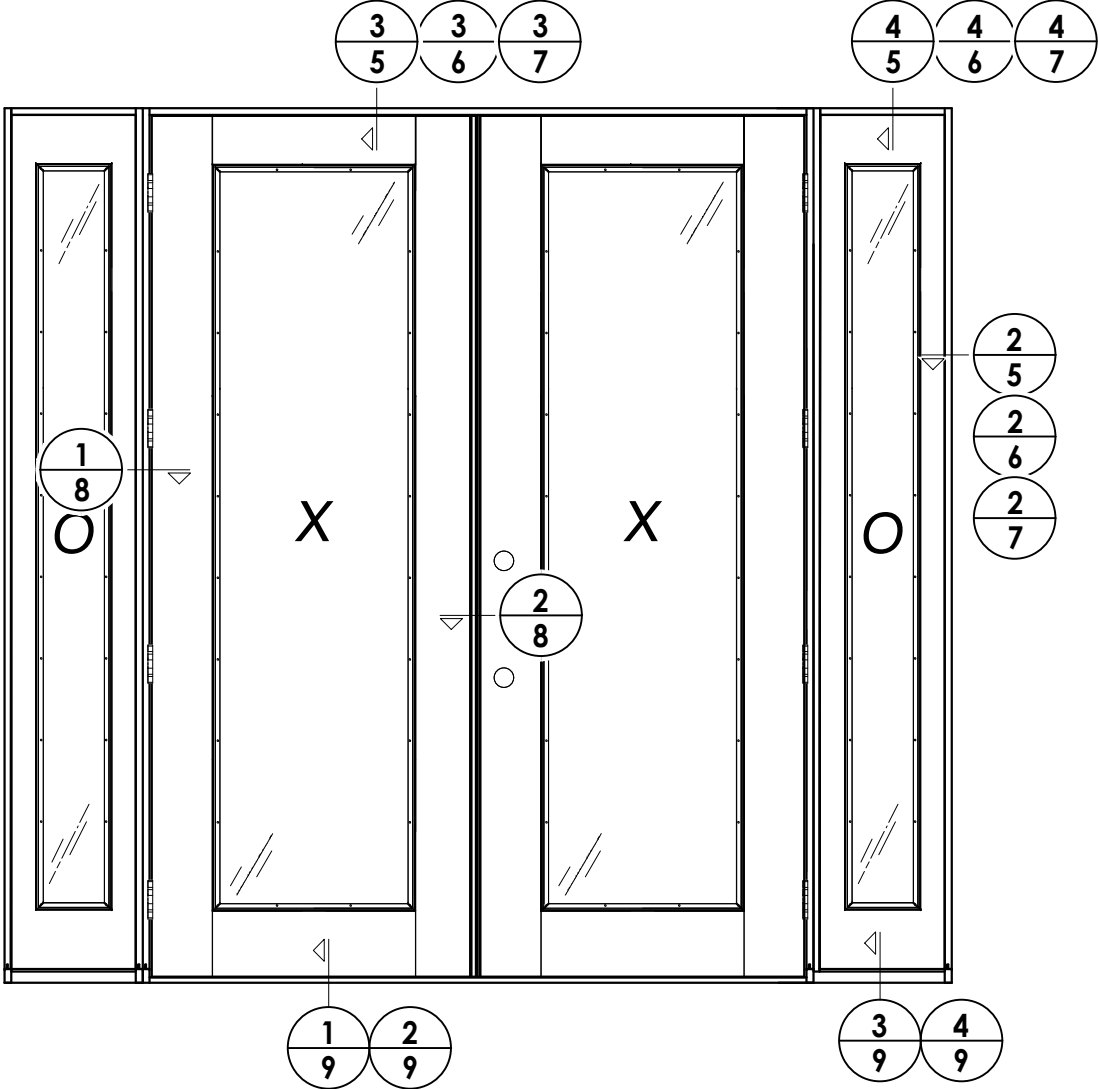
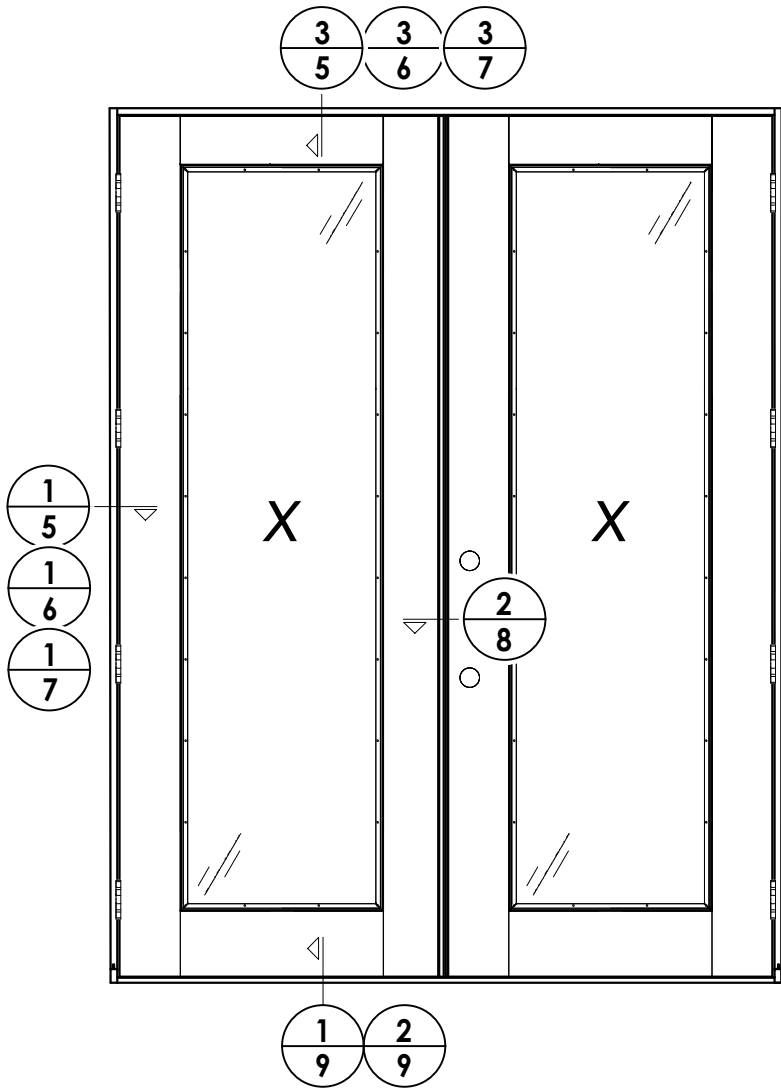
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DWG. BY: *TRJ*

CHK. BY: *LFS*

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FL-25575.11

SHEET 3 OF 13



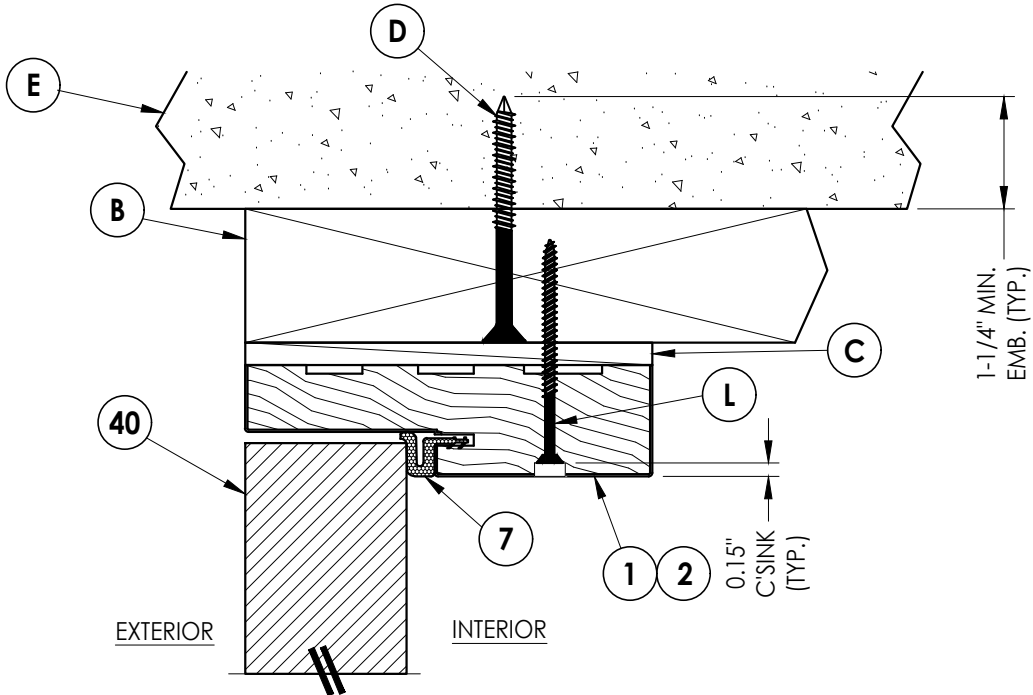
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SCALE: N.T.S.
DWG. BY: TRJ
CHK. BY: LFS
DRAWING NO.: FL-25575.11
SHEET 4 OF 13

NO.	DATE	REVISIONS
2	8/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
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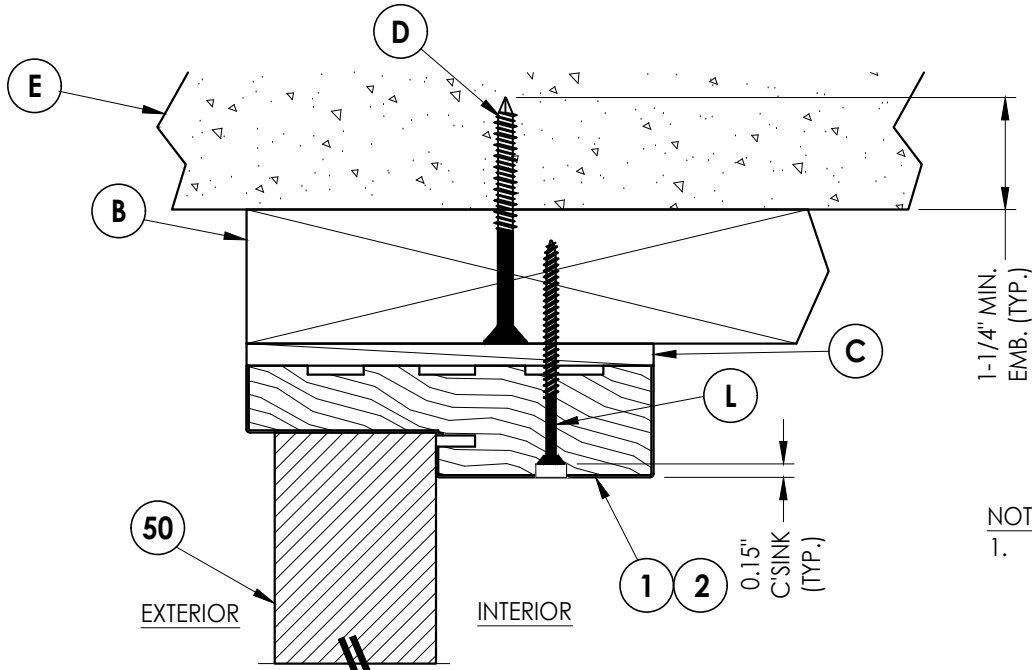
PRODUCT: TRINITY GLASS INT'L
PART OR ASSEMBLY: ELEVATIONS

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Lyndon F. Schmidt
P.E. No. 43409
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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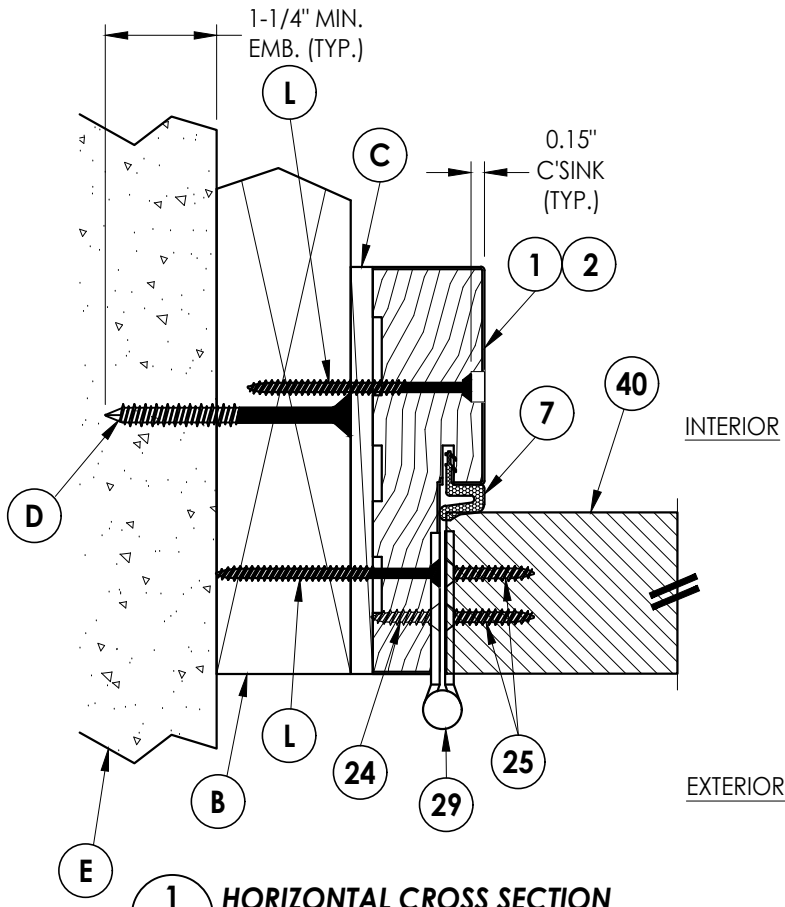


3 **VERTICAL CROSS SECTION**
5 Outswing shown - Inswing also approved

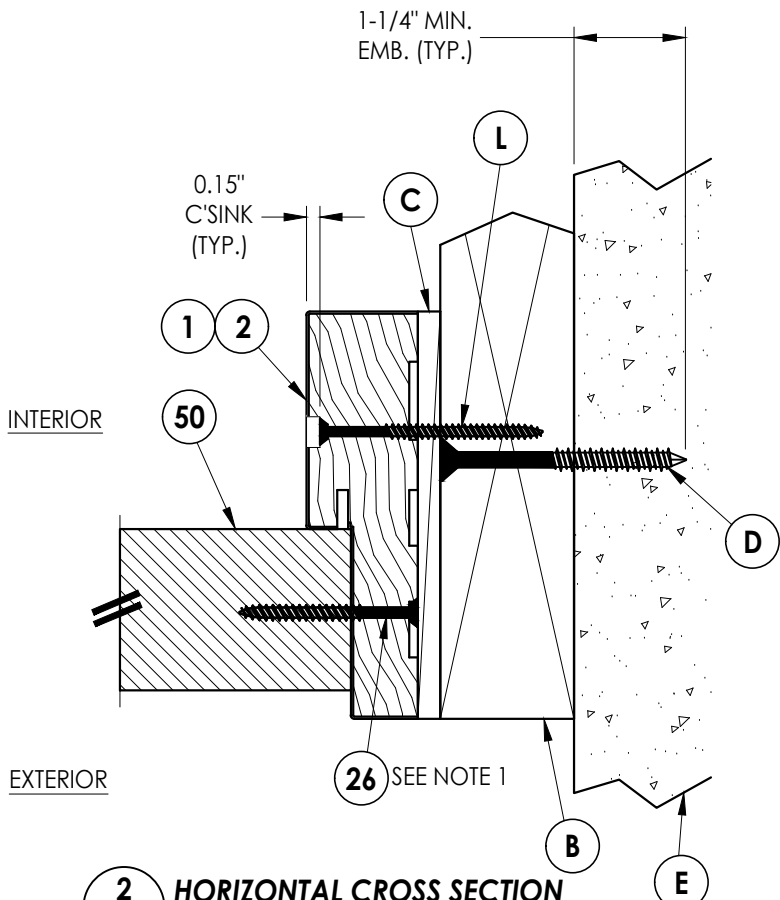


4 **VERTICAL CROSS SECTION**
5 Outswing shown - Inswing also approved

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



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



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

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

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P.O. Box 230, Valrico, FL 33595
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PRODUCT: TRINITY GLASS INT'L

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

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
		& REVISE ENDURA ULT. ASTRAGAL

DATE: 2/05/20

SCALE: N.T.S.

DWG. BY: TRJ

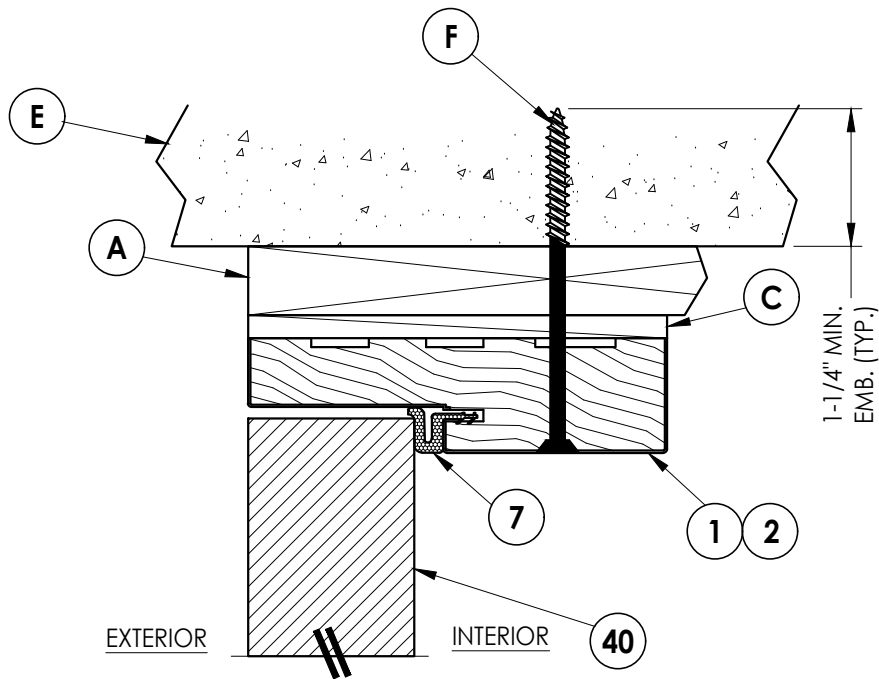
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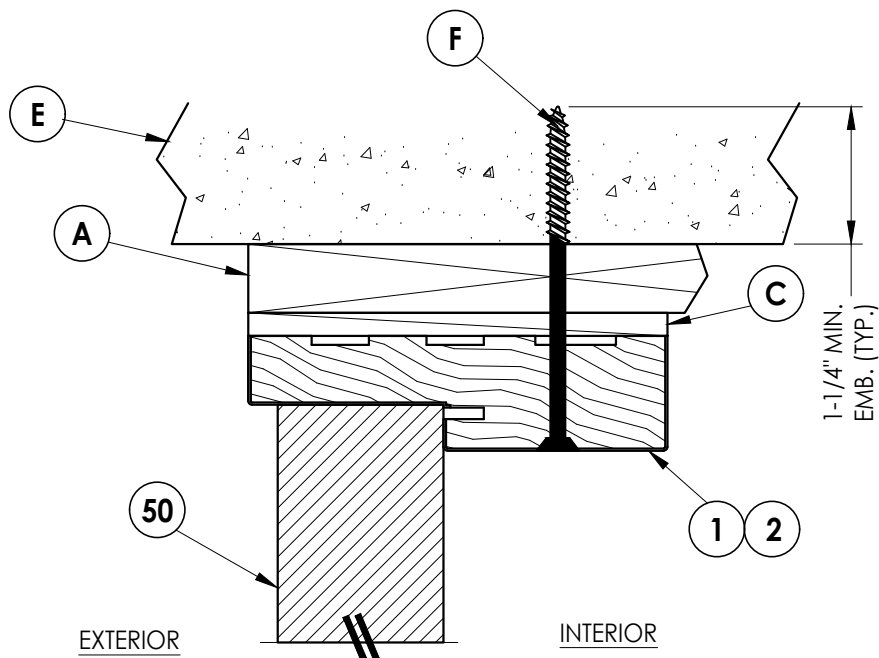
FL-25575.11

SHEET 5 OF 13

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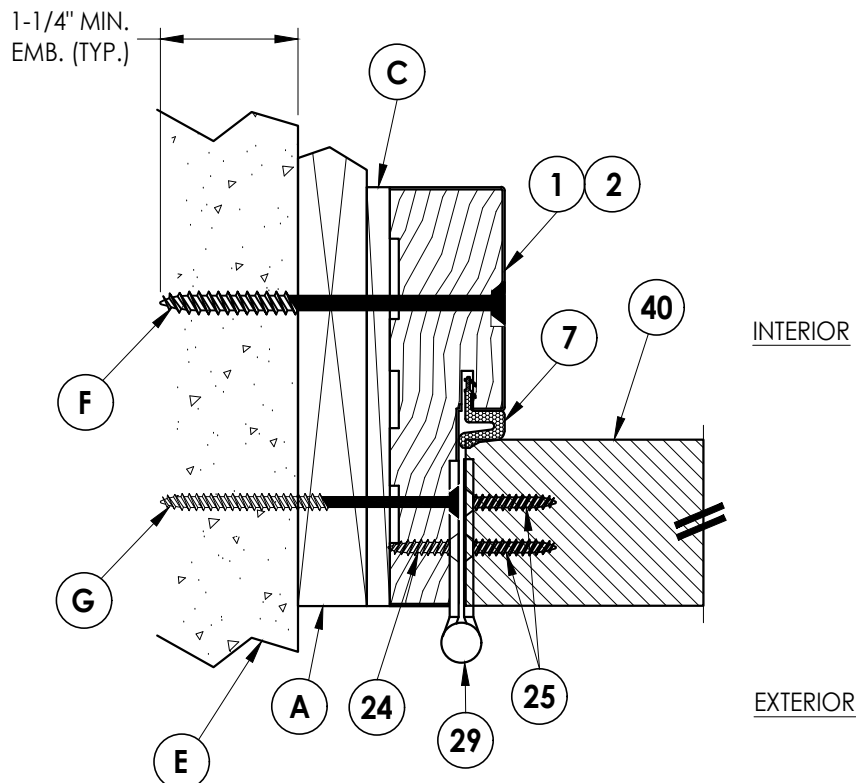


3
6 **VERTICAL CROSS SECTION**
Outswing shown - Inswing also approved

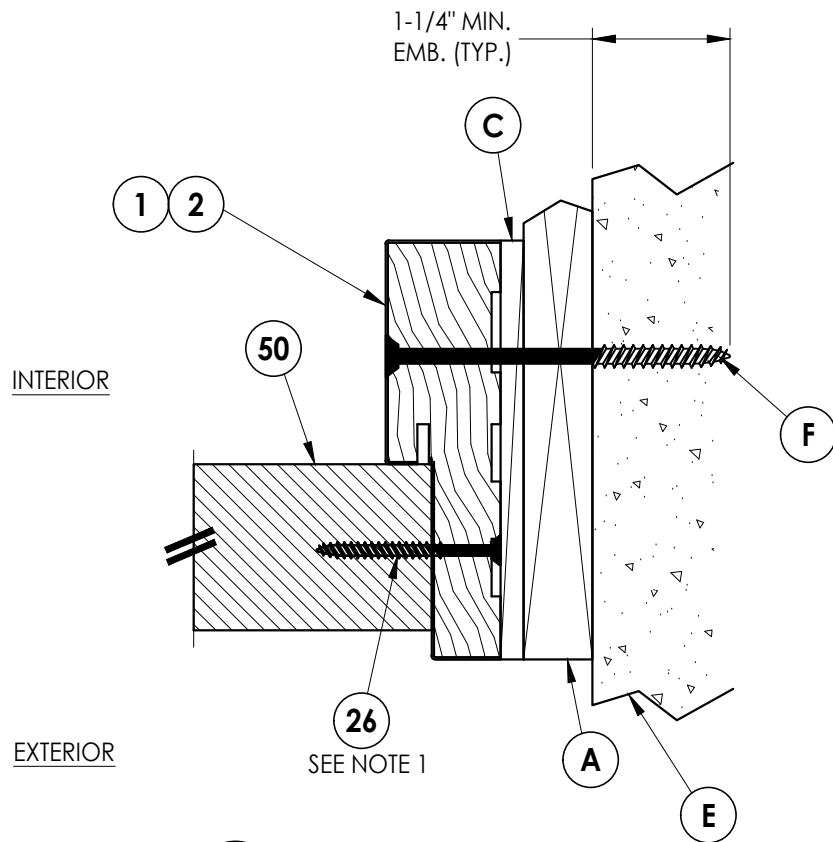


4
6 **VERTICAL CROSS SECTION**
Outswing shown - Inswing also approved

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



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



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

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Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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PRODUCT: TRINITY GLASS INT'L

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

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
		& REVISE ENDURA ULT. ASTRAGAL

DATE: 2/05/20

SCALE: N.T.S.

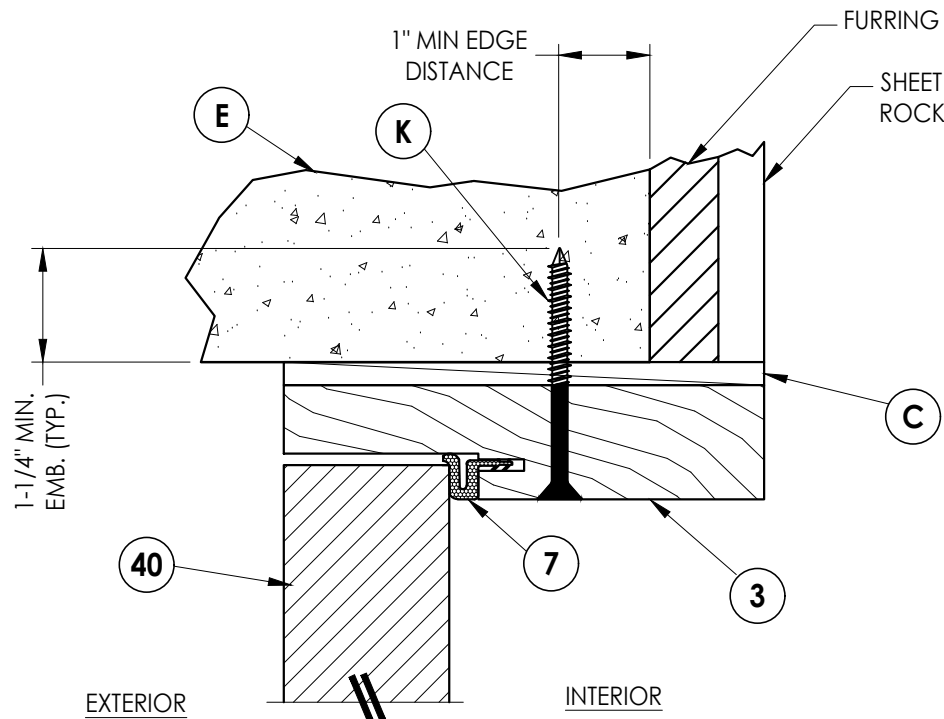
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CHK. BY: LFS

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FL-25575.11

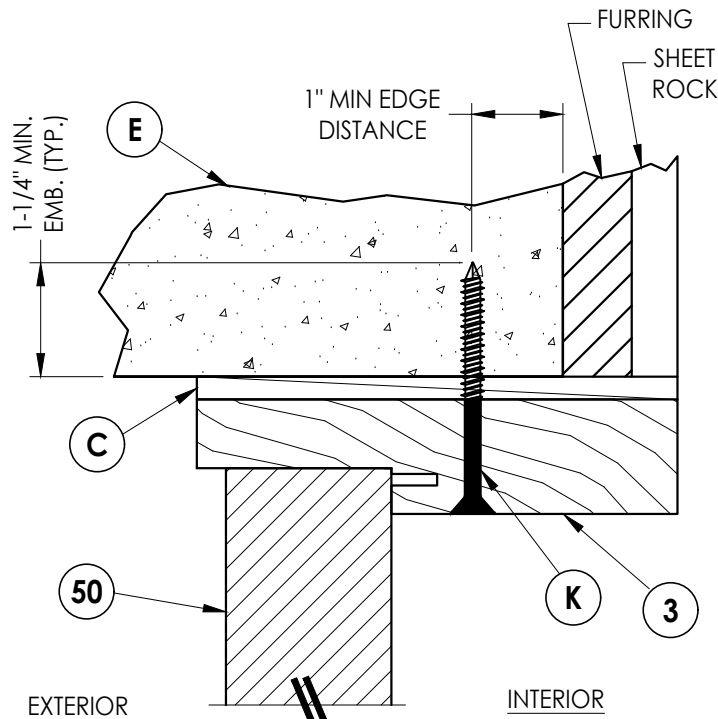
SHEET 6 OF 13

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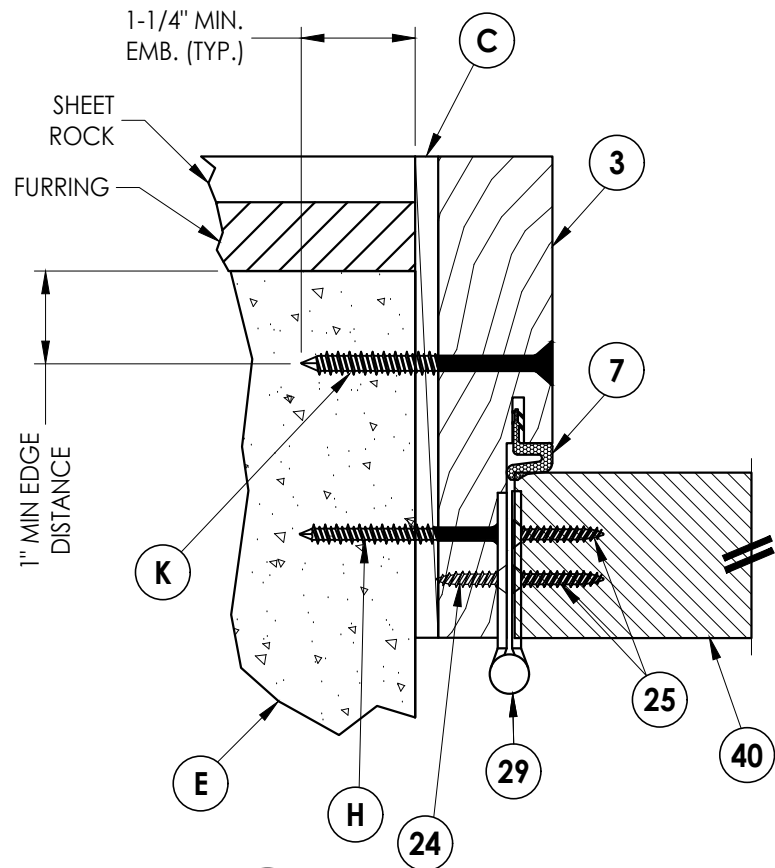


3
7 **VERTICAL CROSS SECTION**
Outswing only

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



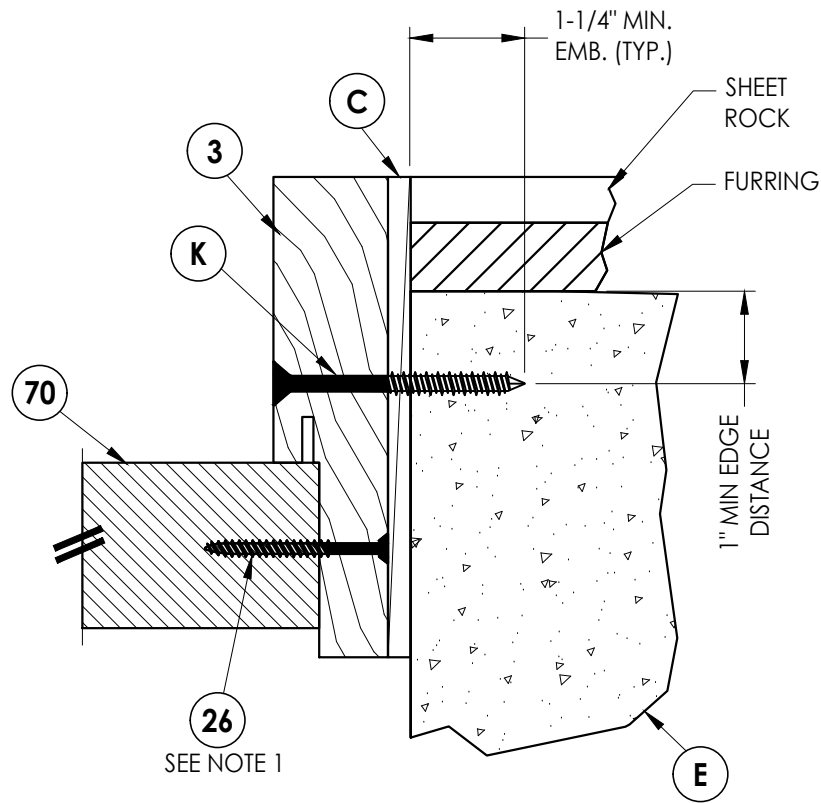
4
7 **VERTICAL CROSS SECTION**
Outswing only



1
7 **HORIZONTAL CROSS SECTION**
Outswing only

INTERIOR

EXTERIOR



2
7 **HORIZONTAL CROSS SECTION**
Outswing only

PRODUCT: TRINITY GLASS INT'L

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

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
		& REVISE ENDURA ULT. ASTRAGAL

DATE: 2/05/20

SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

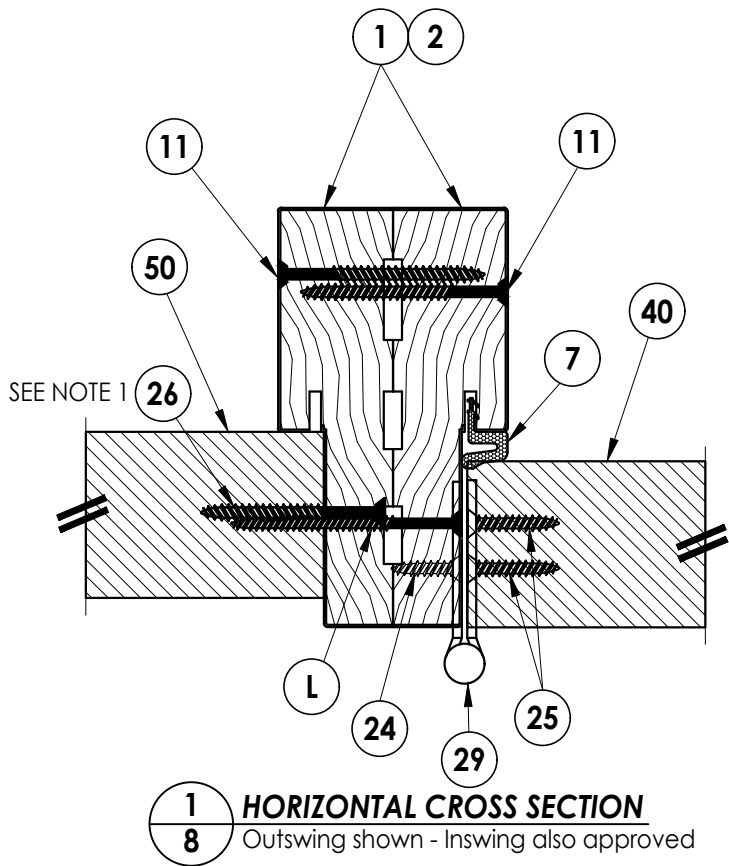
DRAWING NO.: FL-25575.11

SHEET 7 OF 13

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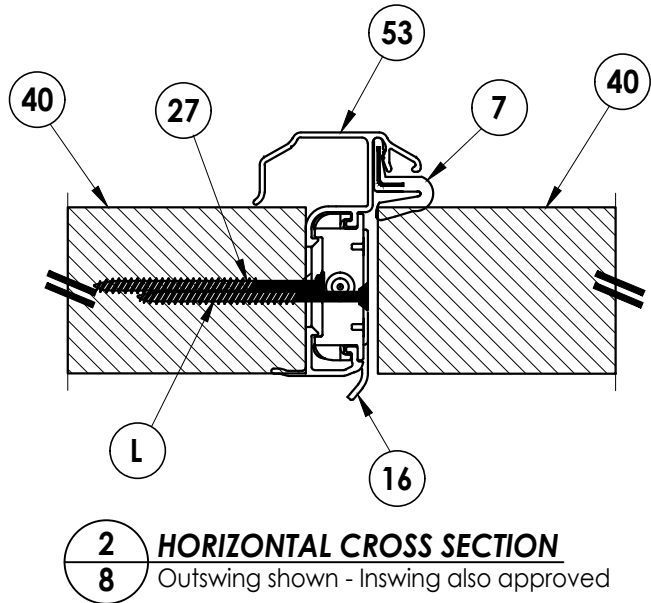
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NOTE:
1. Item #26 located 6" from each end
plus 2 more equally spaced (4 total).

INTERIOR

EXTERIOR



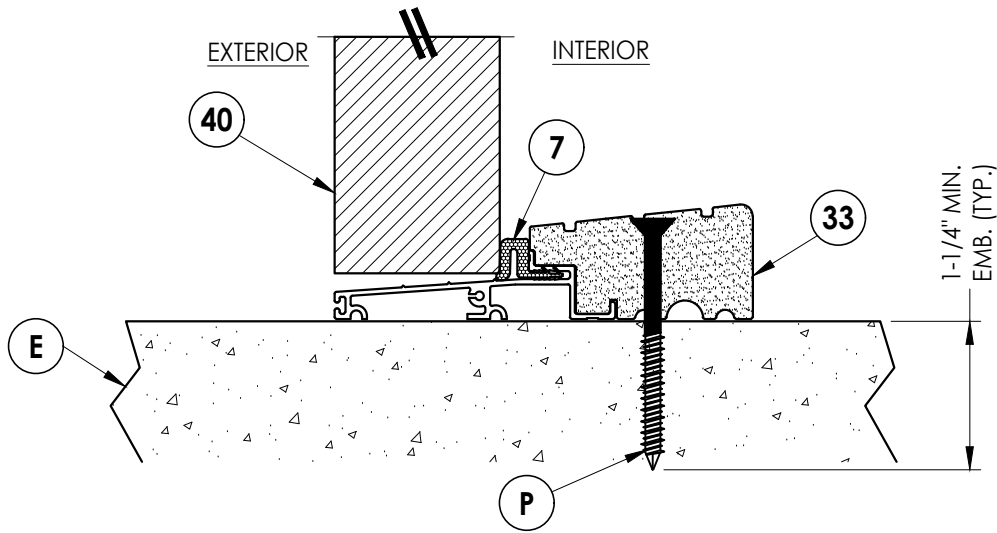
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DWG. BY: TRJ
CHK. BY: LFS
DRAWING NO.:
FL-25575.11
SHEET 8 OF 13

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
		& REVISE ENDURA ULT. ASTRAGAL
		BY

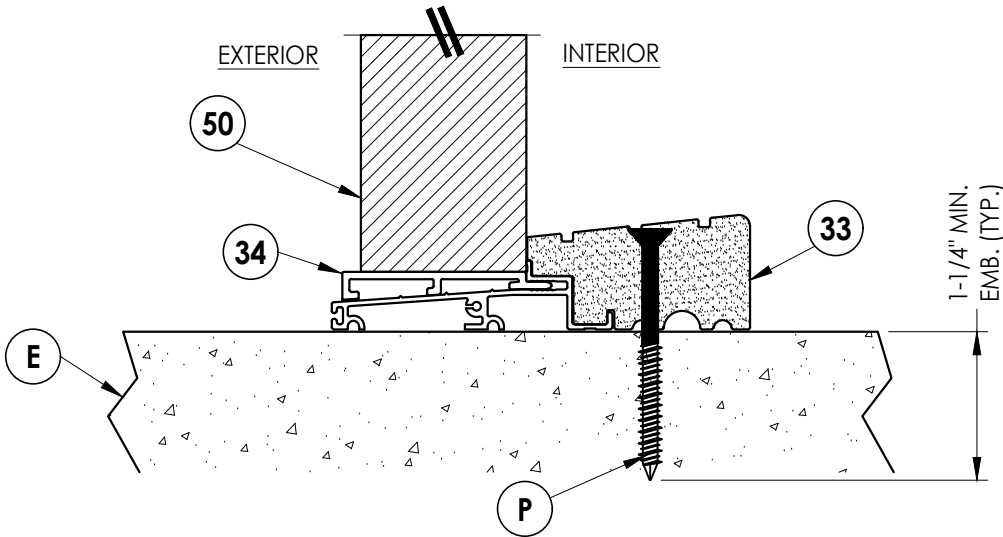
PRODUCT:	TRINITY GLASS INT'L
PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS

Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
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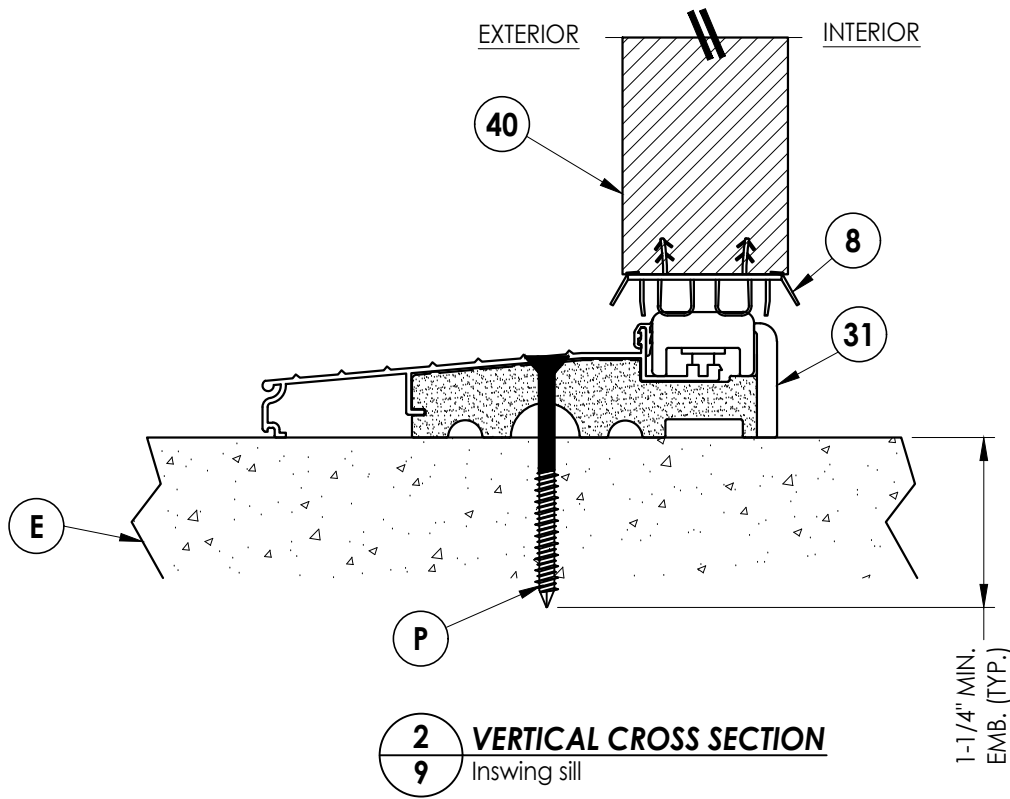
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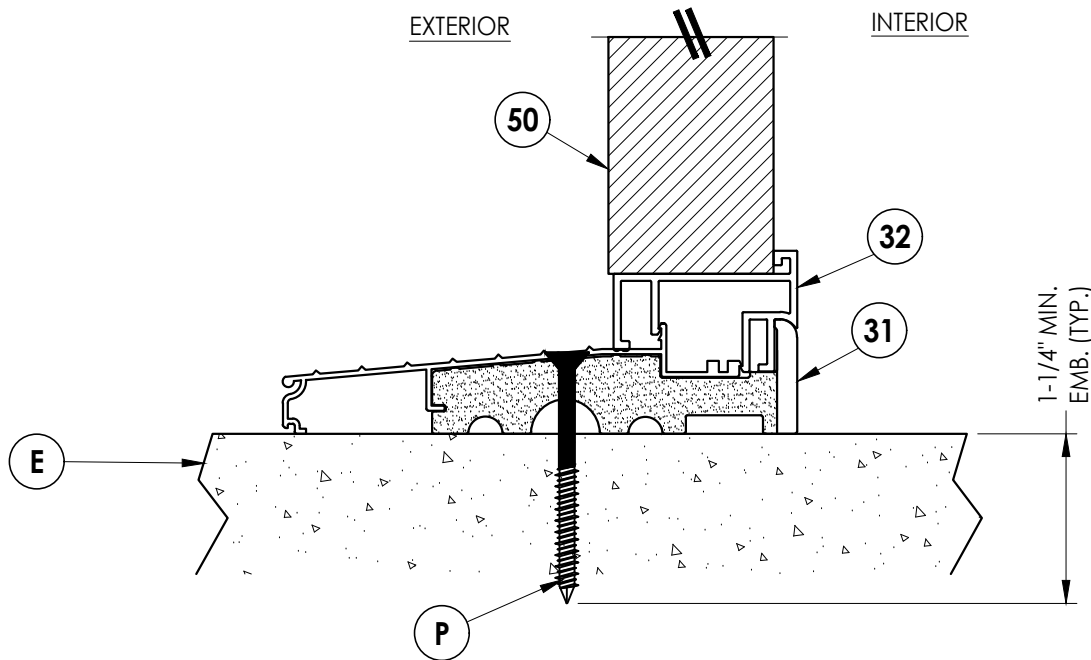
1 **VERTICAL CROSS SECTION**
9 Outswing sill - high dam



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



2 **VERTICAL CROSS SECTION**
9 Inswing sill



4 **VERTICAL CROSS SECTION**
9 Inswing sill

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P.E. No. 43409

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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	
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		& REVISE ENDURA ULT. ASTRAGAL	

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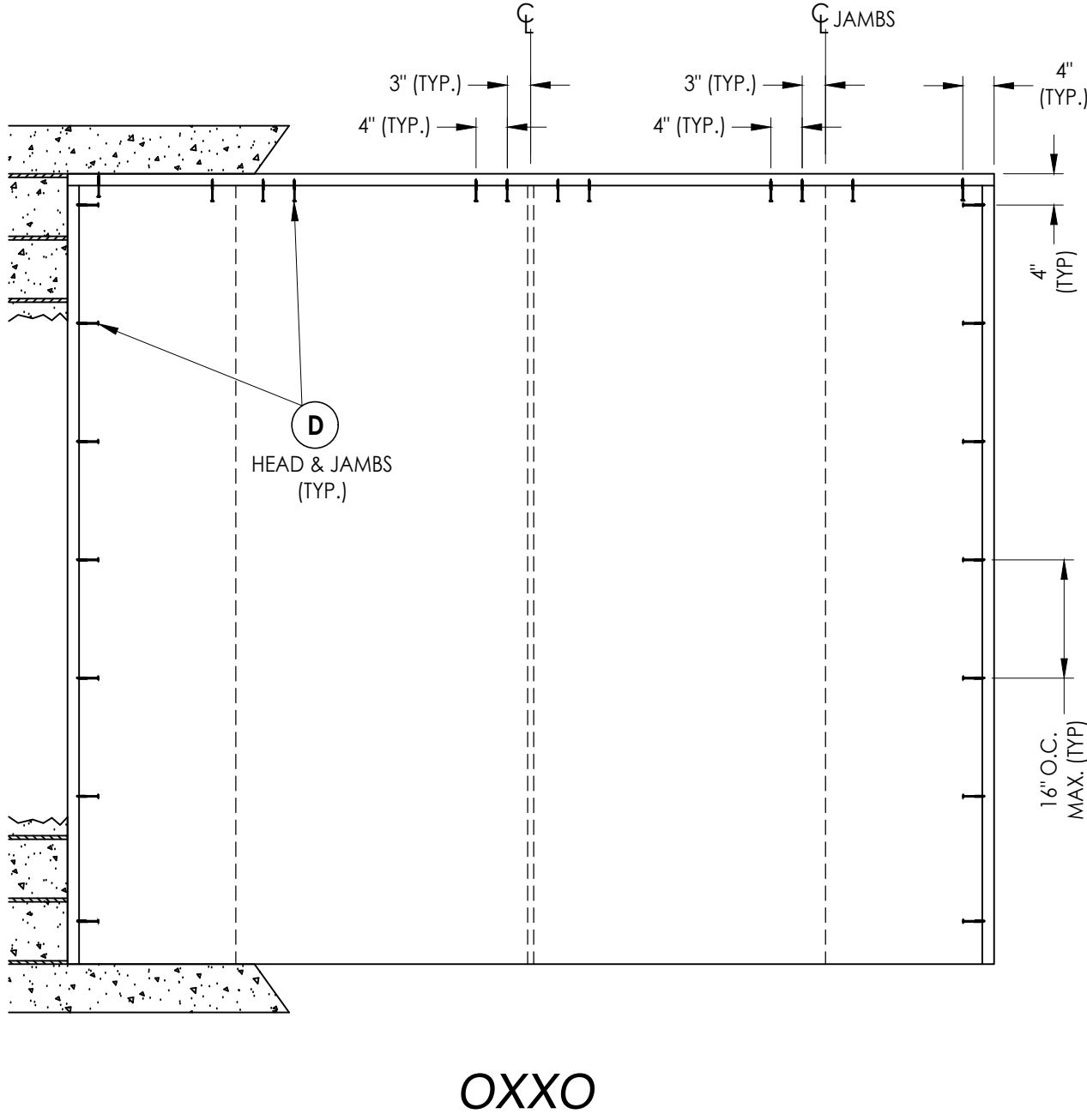
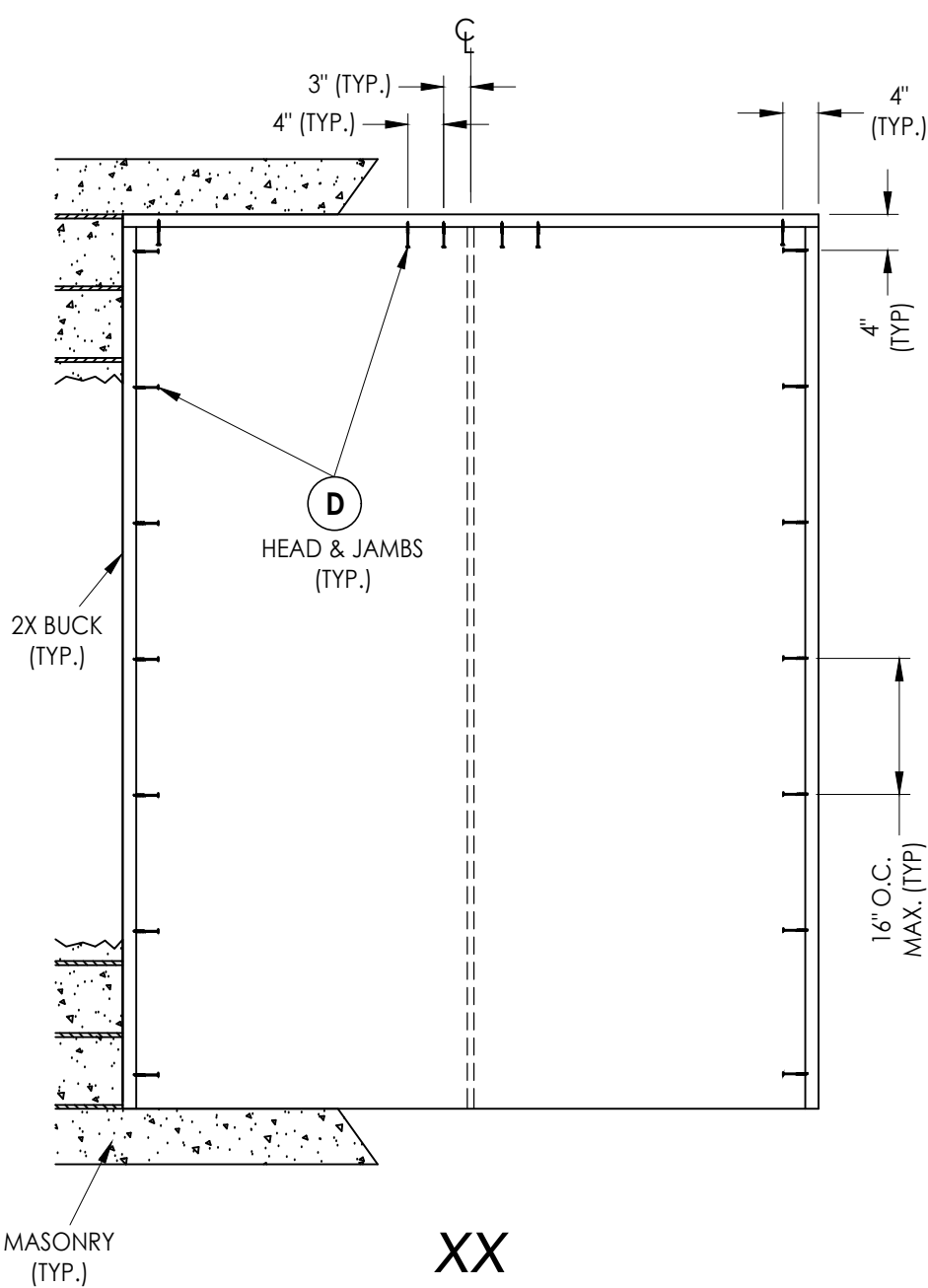
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DWG. BY: TRJ

CHK. BY: LFS

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SHEET 9 OF 13



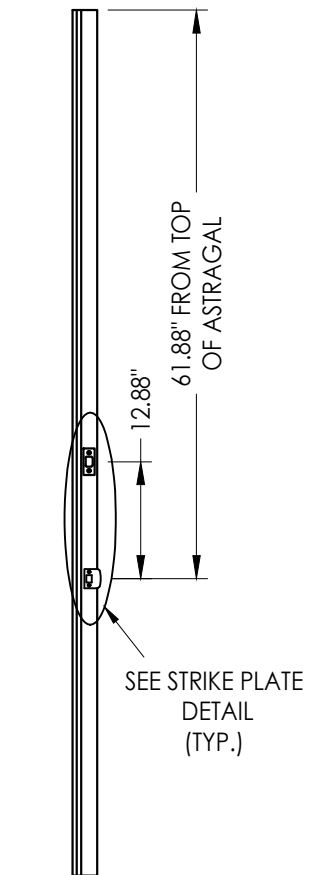
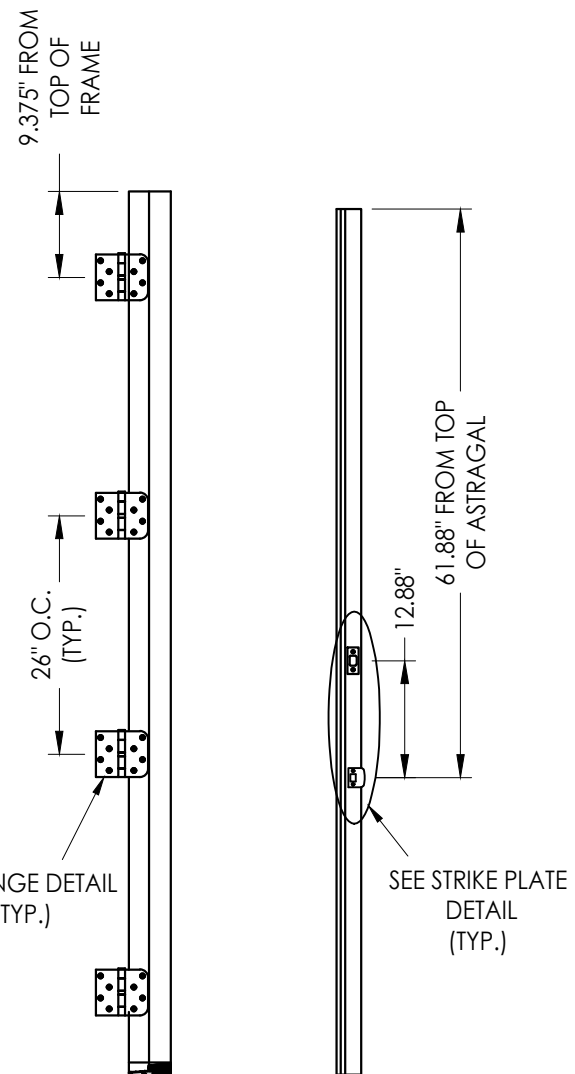
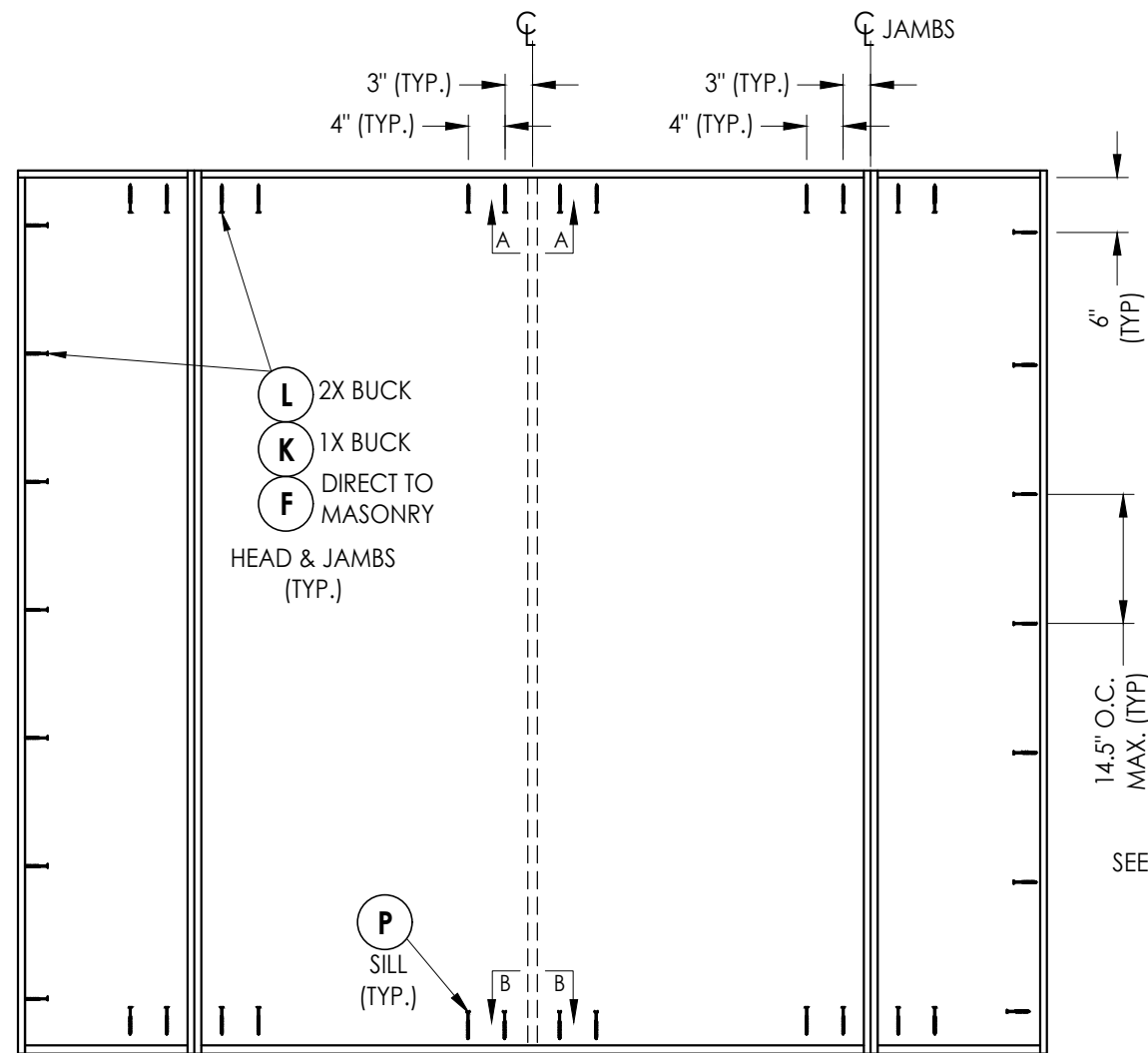
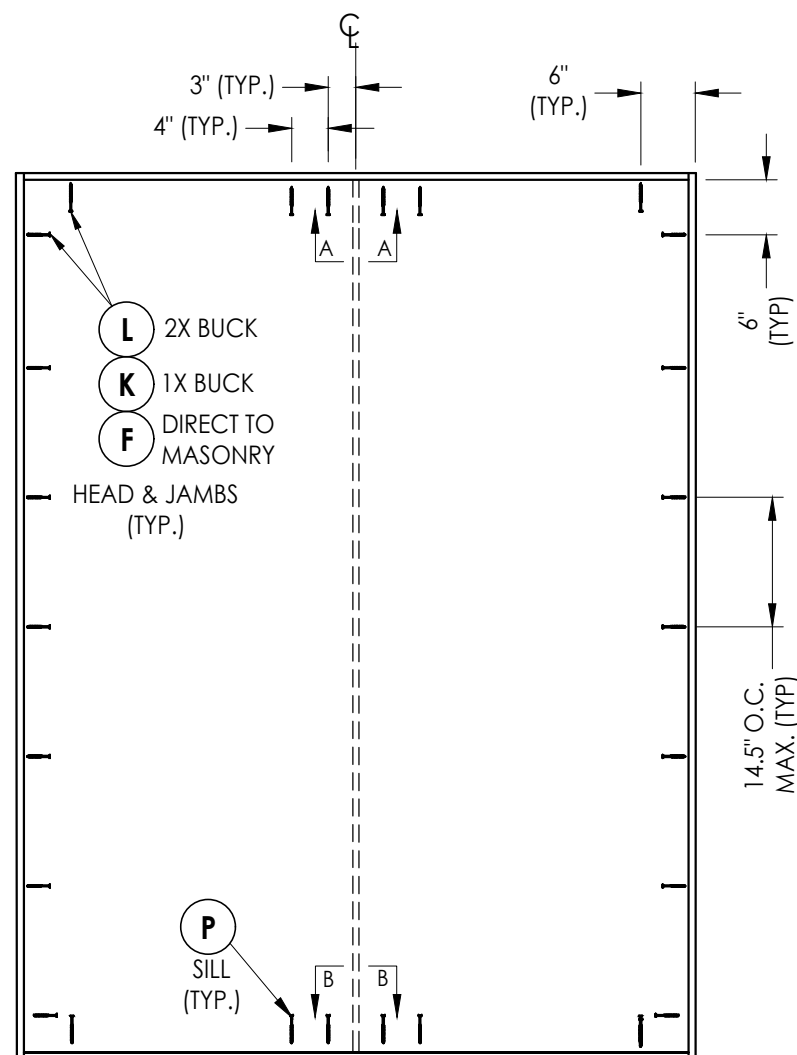
2X BUCK ANCHORING

DATE: 2/05/20		NO.		DATE	BY	
SCALE: N.T.S.		2		8/01/23	UPDATE TO 8TH ED. (2023) FBC	
DWG. BY: TRJ		1		8/11/20	UPDATE TO 7th ED. (2020) FBC	
CHK. BY: LFS					& REVISE ENDURA ULT. ASTRAGAL	
DRAWING NO.: FL-25575.11						
SHEET 10 OF 13						

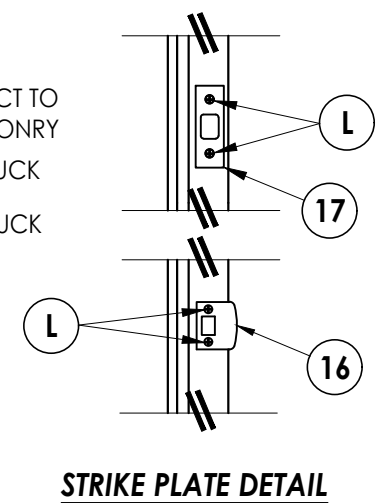
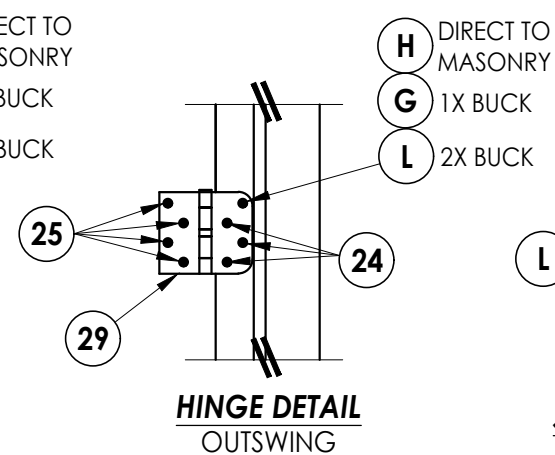
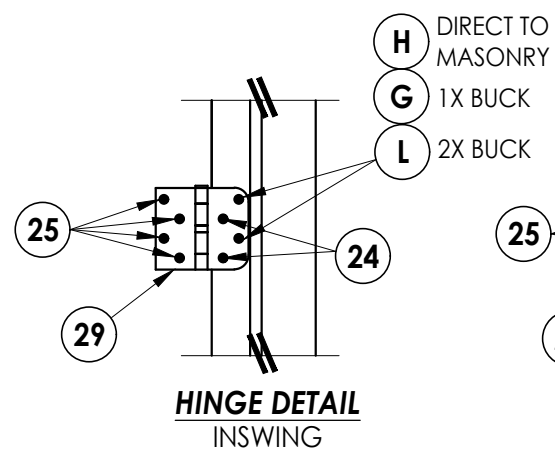
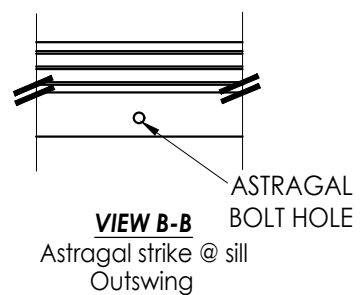
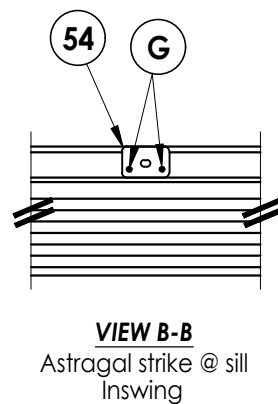
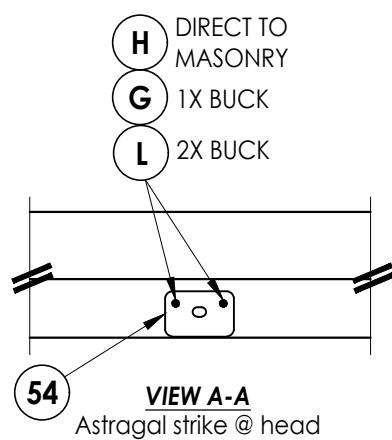
PRODUCT: TRINITY GLASS INT'L	
PART OR ASSEMBLY: BUCK ANCHORING	

Documents Prepared By:
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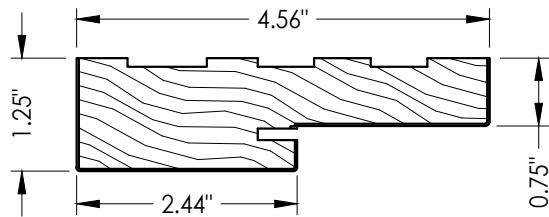
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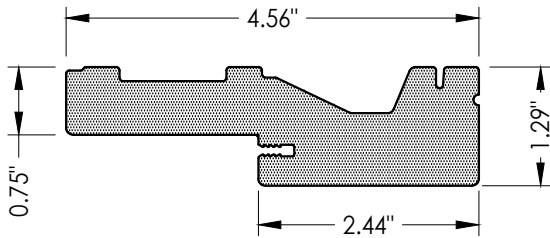
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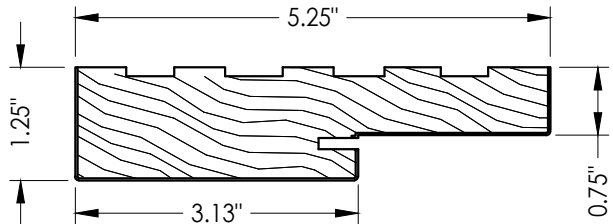
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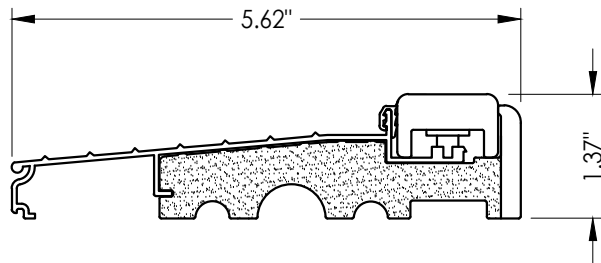
1 FINGER JOINT PINE JAMB



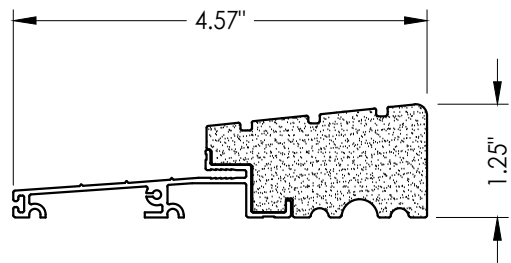
2 HEAD AND JAMBS
PVC



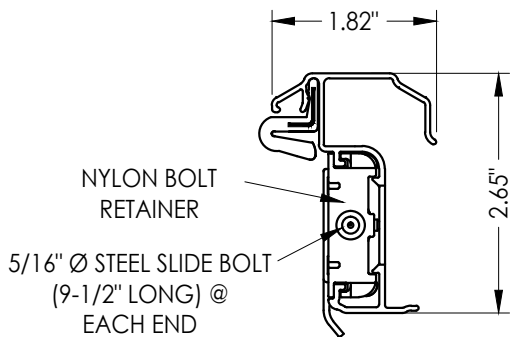
3 FINGER JOINT PINE JAMB



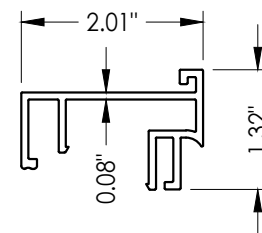
31 INSWING THRESHOLD



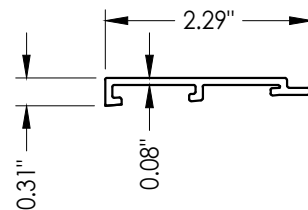
33 INSWING THRESHOLD
High-dam



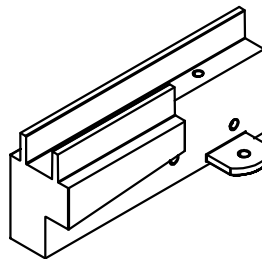
53 ULTIMATE HURRICANE ASTRAGAL
By Endura Products



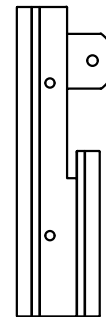
32 SIDELITE SPACER
Inswing



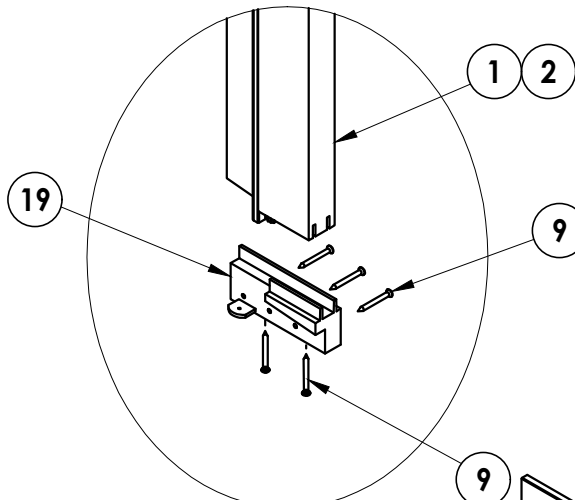
34 SIDELITE SPACER
Outswing



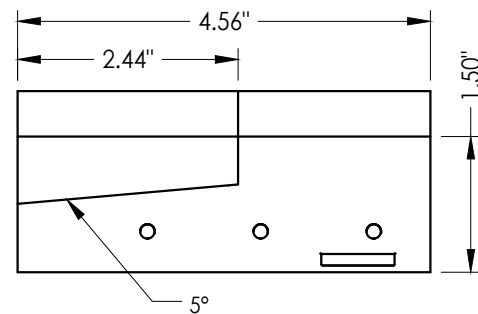
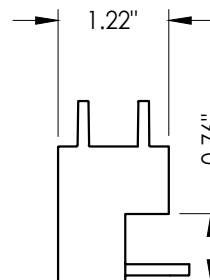
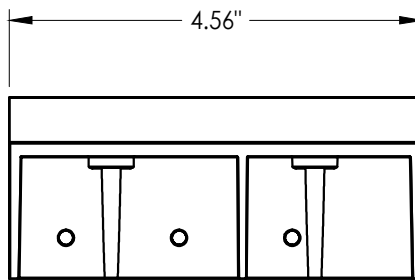
SILLKEY, LEFT
SCALE: NONE



SILLKEY, RIGHT
SCALE: NONE



19 SILLKEY DETAILS
Optional



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
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-25575.11
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
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 ULTRACON®+	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]