

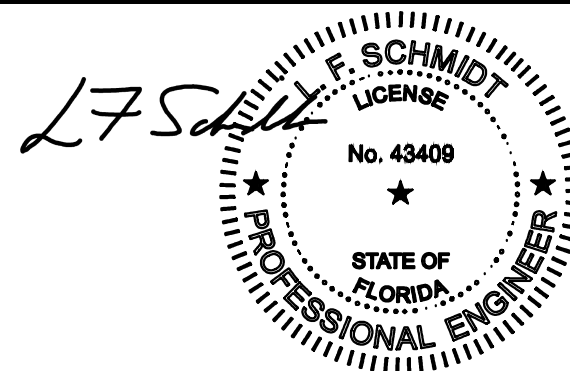


**OPAQUE FIBERGLASS
SINGLE DOOR
w/ or w/out SIDELITE(S)
"IMPACT"
INSWING / OUTSWING**

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.

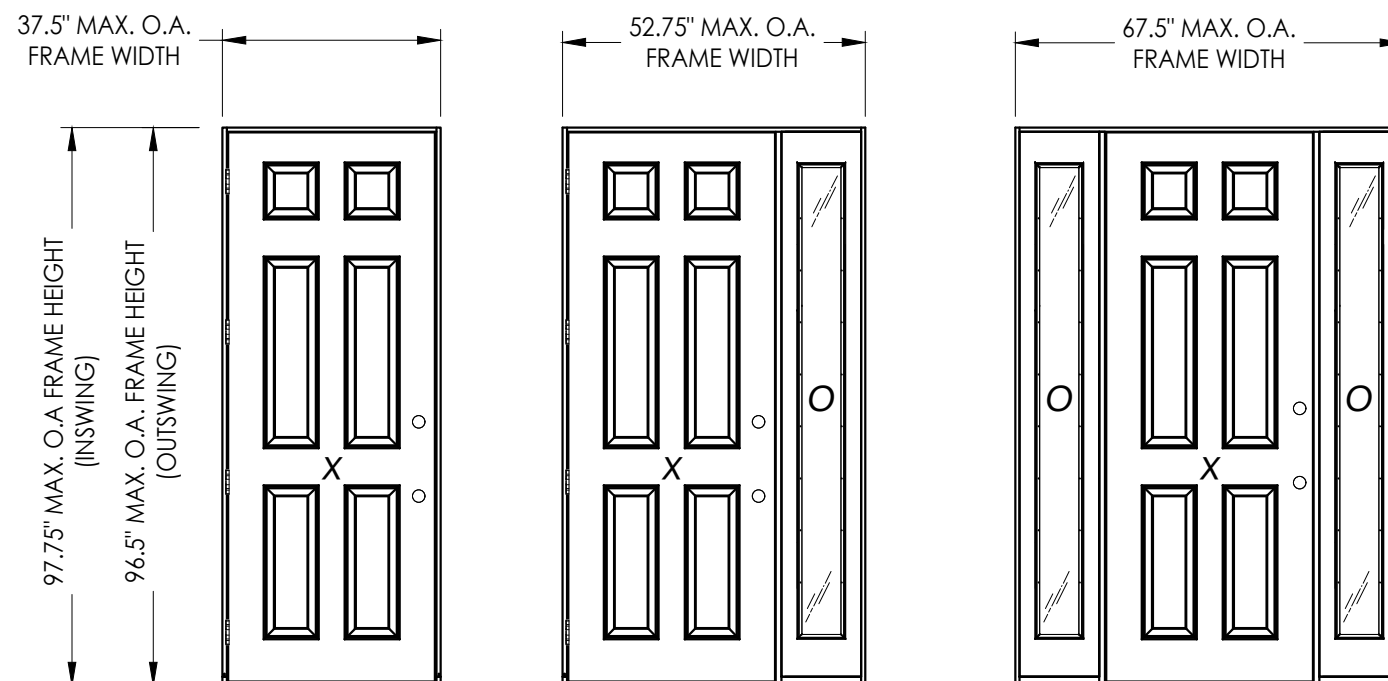
TABLE OF CONTENTS	
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2	Door panel details
3	Sidelite panel details
4	Elevations
5	Horizontal & vertical cross sections (2X buck)
6	Horizontal & vertical cross sections (1X buck)
7	Horizontal & vertical cross sections (Direct to Masonry)
8	Horizontal 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



Continuous Head and Sill

Continuous Head and Sill

CONFIGURATION	FRAME MATERIAL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	FJ PINE	+50.0	-50.0	+50.0	-50.0
	PVC	+50.0	-50.0	+50.0	-50.0
OX, XO, OXO	FJ PINE	+40.0	-45.0	+45.0	-45.0
	PVC	+45.0	-50.0	+45.0	-45.0

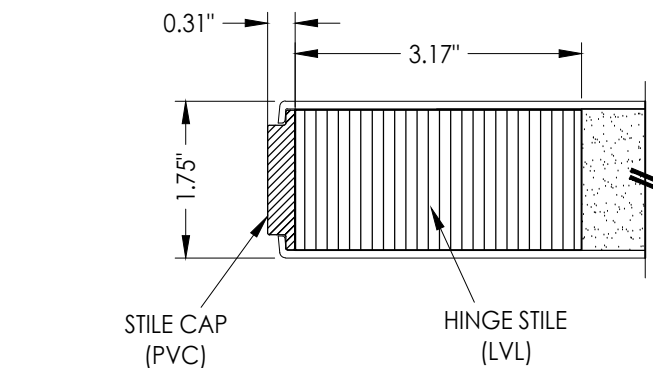
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DATE:	3/24/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-25575.13
SHEET	1 OF 13

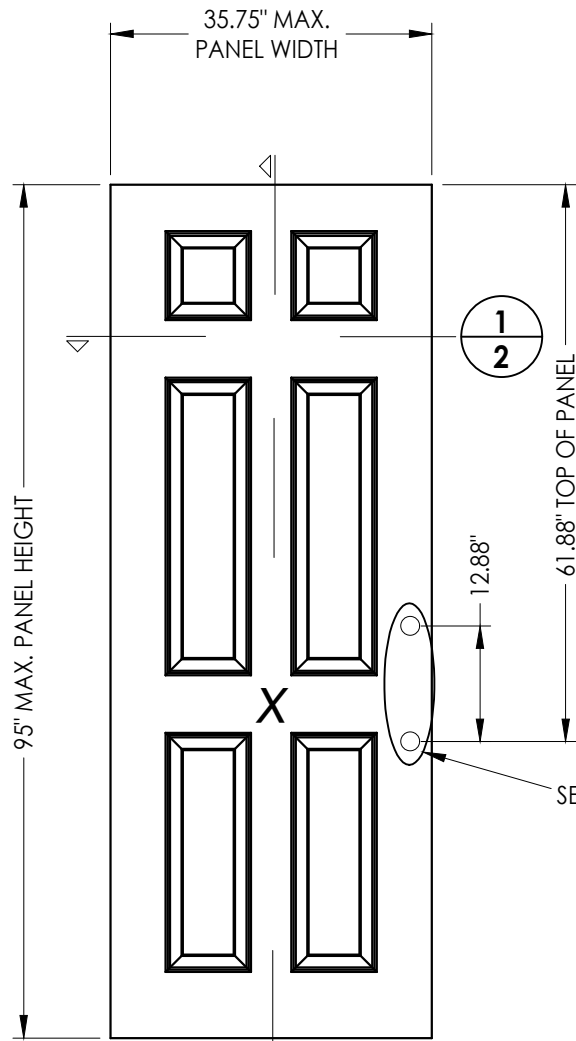
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
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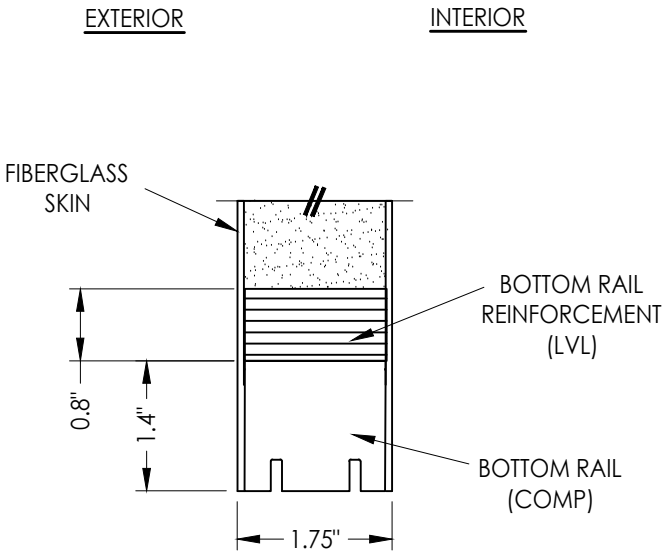
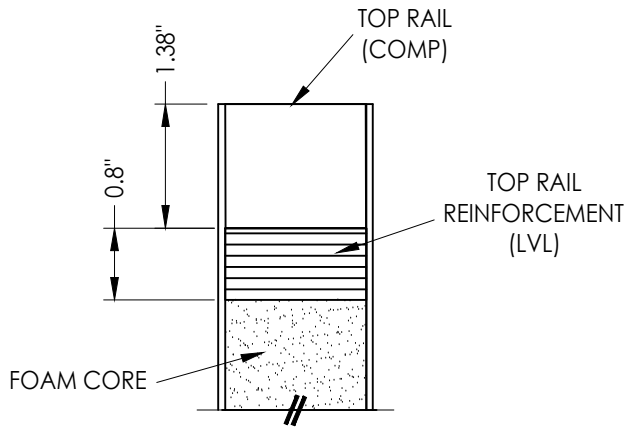
1
2 **HORIZONTAL CROSS SECTION**



2
2 **OPAQUE DOOR PANEL**
Fiberglass

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

DOOR SKIN: 0.085" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM



2
2 **VERTICAL CROSS SECTION**

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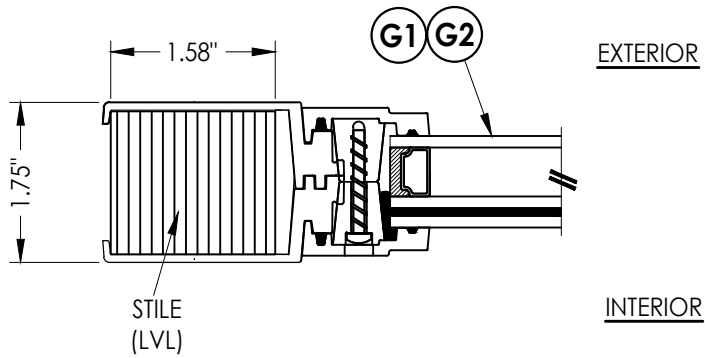
PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY: DOOR PANEL DETAILS

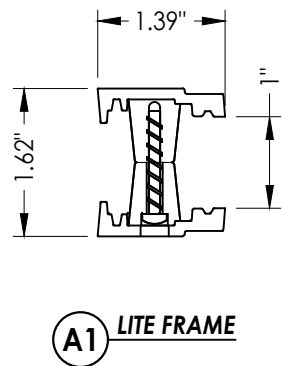
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1	8/01/23				

REVISIONS

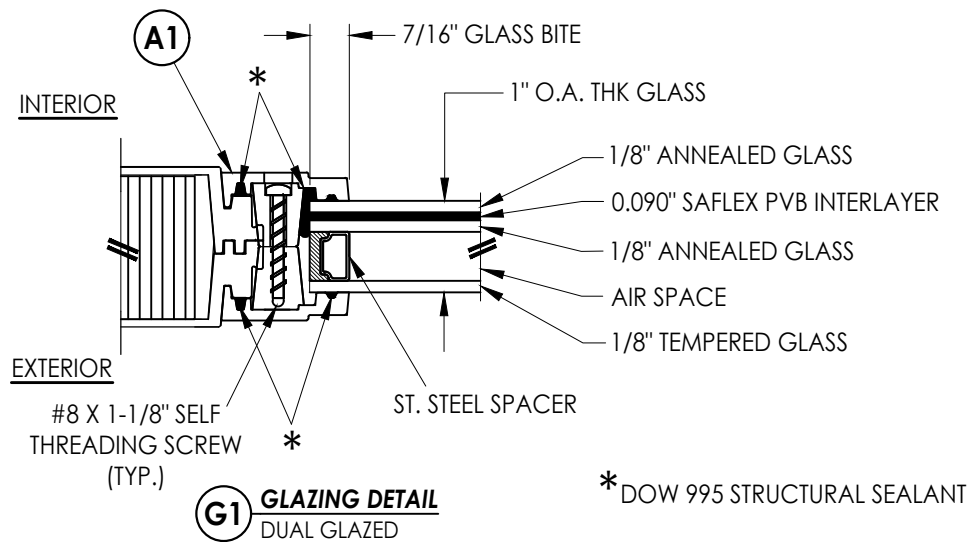
DATE: 3/24/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-25575.13
SHEET 2 OF 13



1 **HORIZONTAL CROSS SECTION**
3

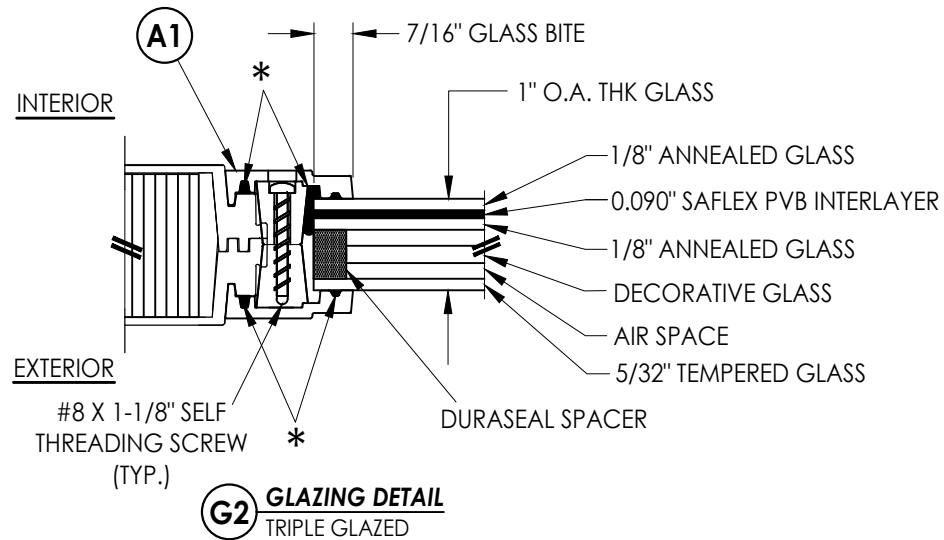


A1 LITE FRAME

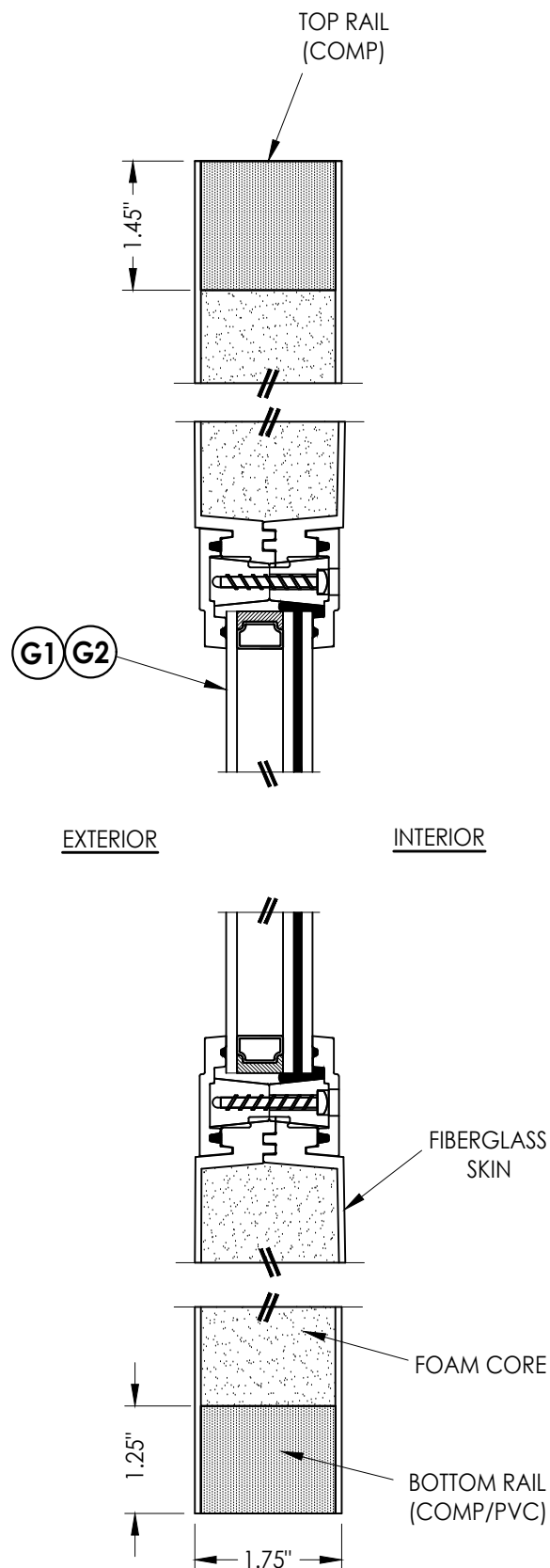


G1 GLAZING DETAIL
DUAL GLAZED

*DOW 995 STRUCTURAL SEALANT

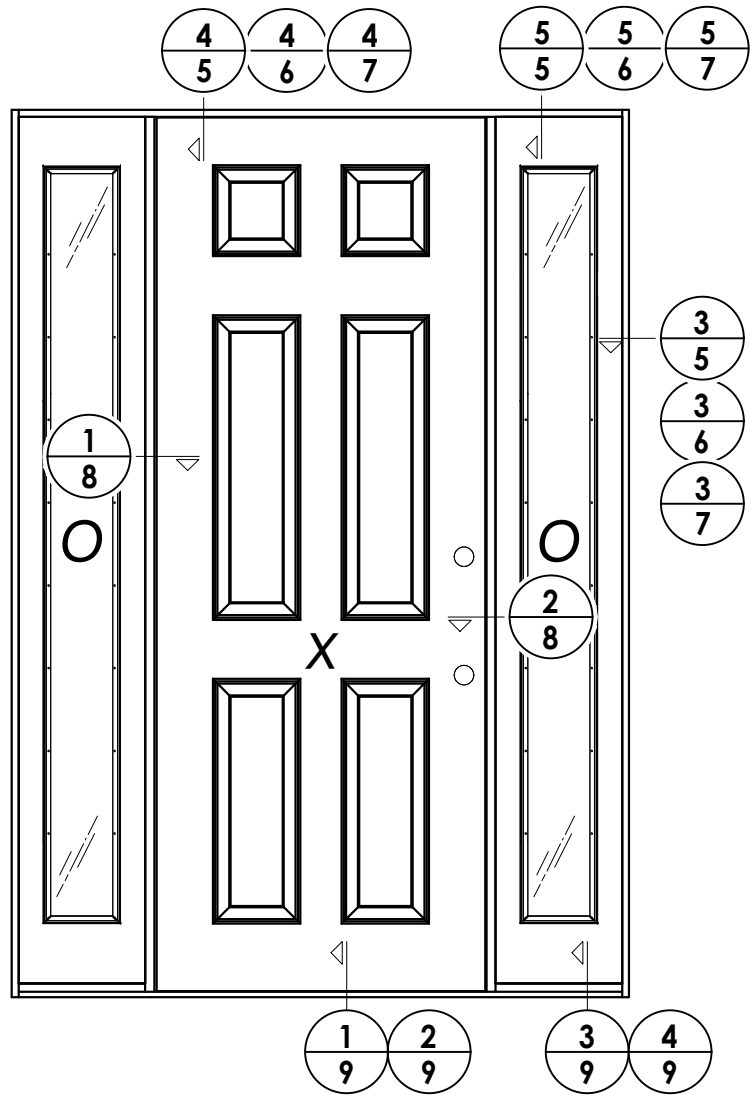
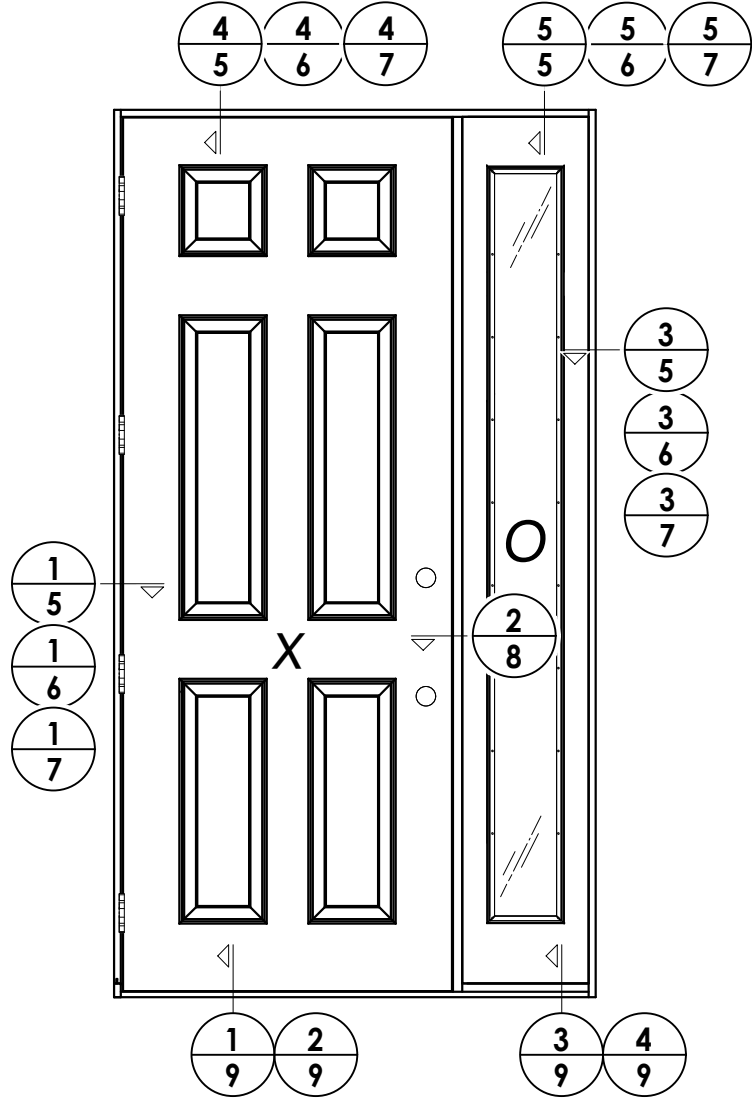
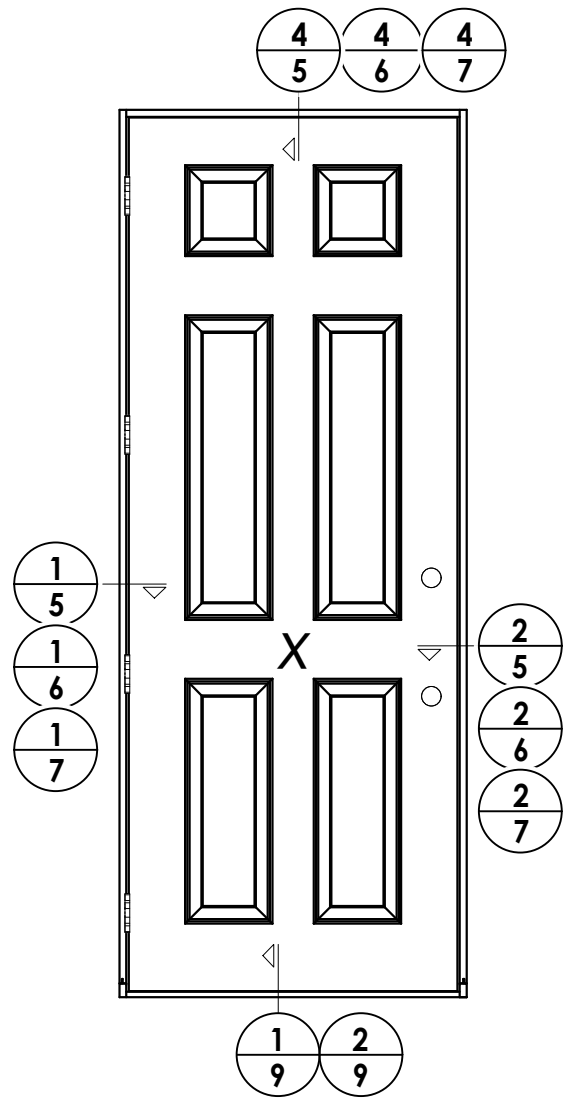


G2 **GLAZING DETAIL**
TRIPLE GLAZED



2 VERTICAL CROSS SECTION

[illegible]

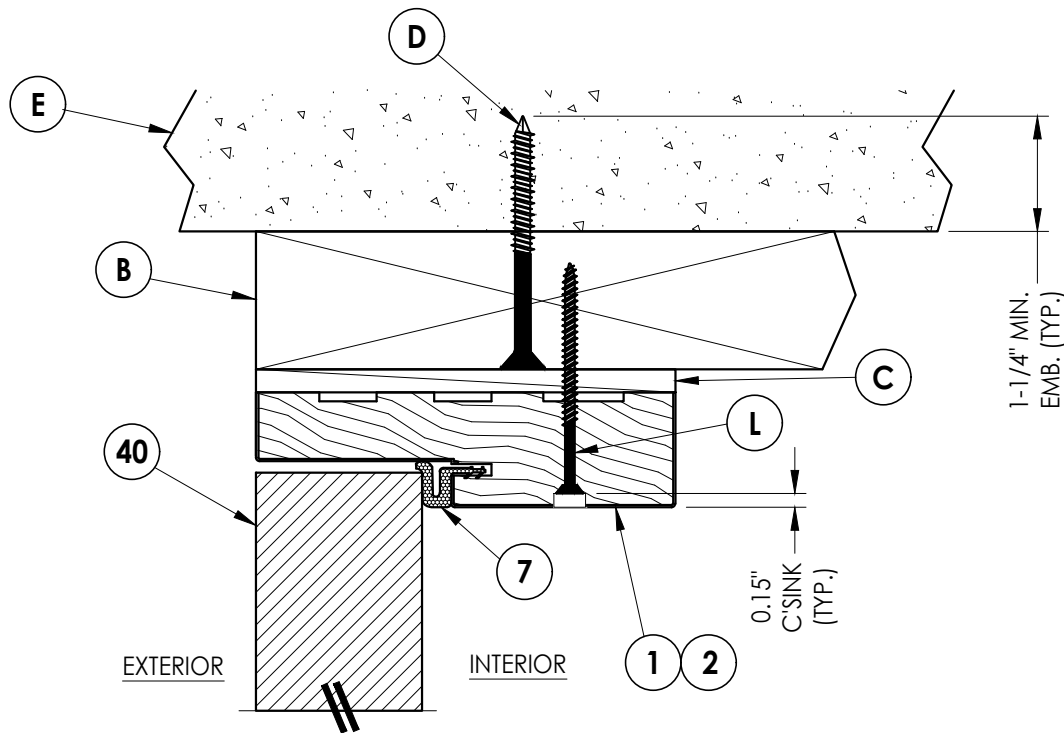
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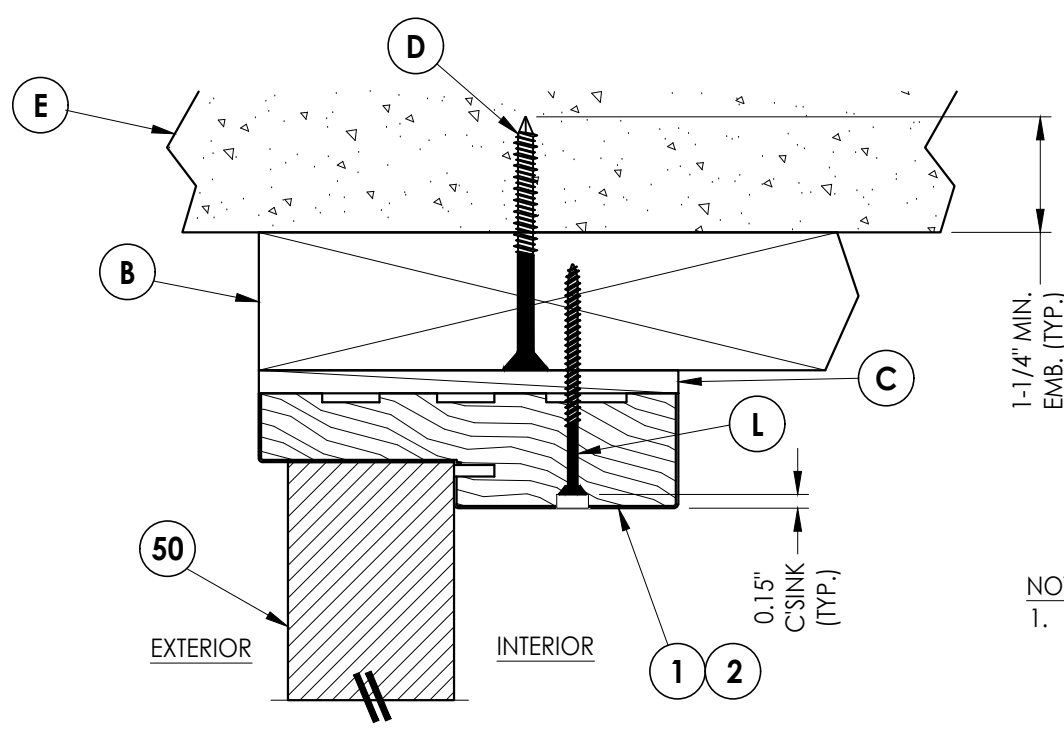
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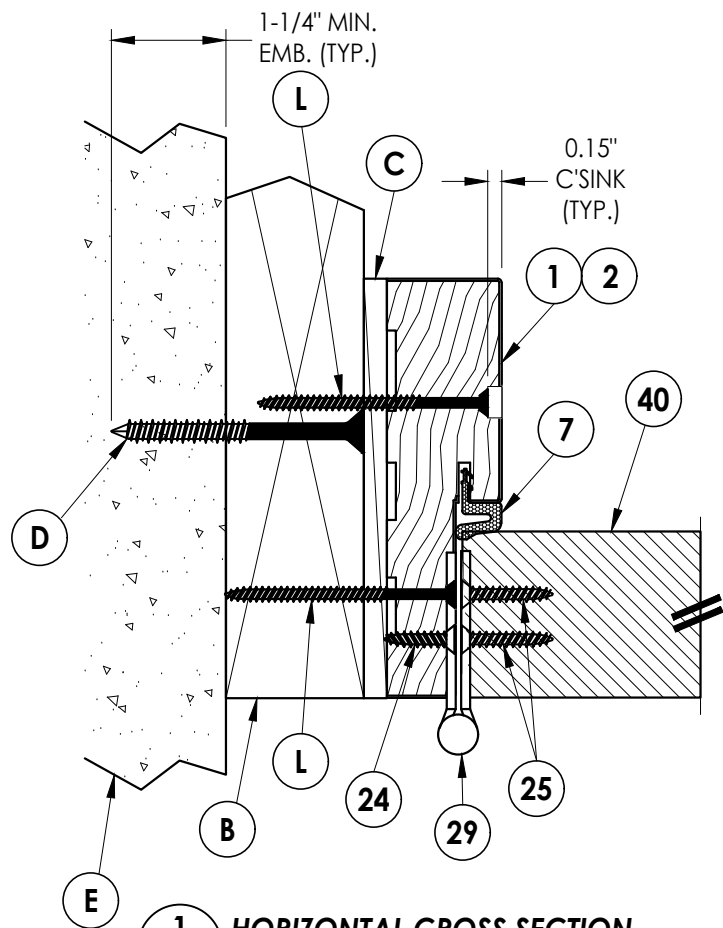


4 VERTICAL CROSS SECTION
Outswing shown - Inswing also approved

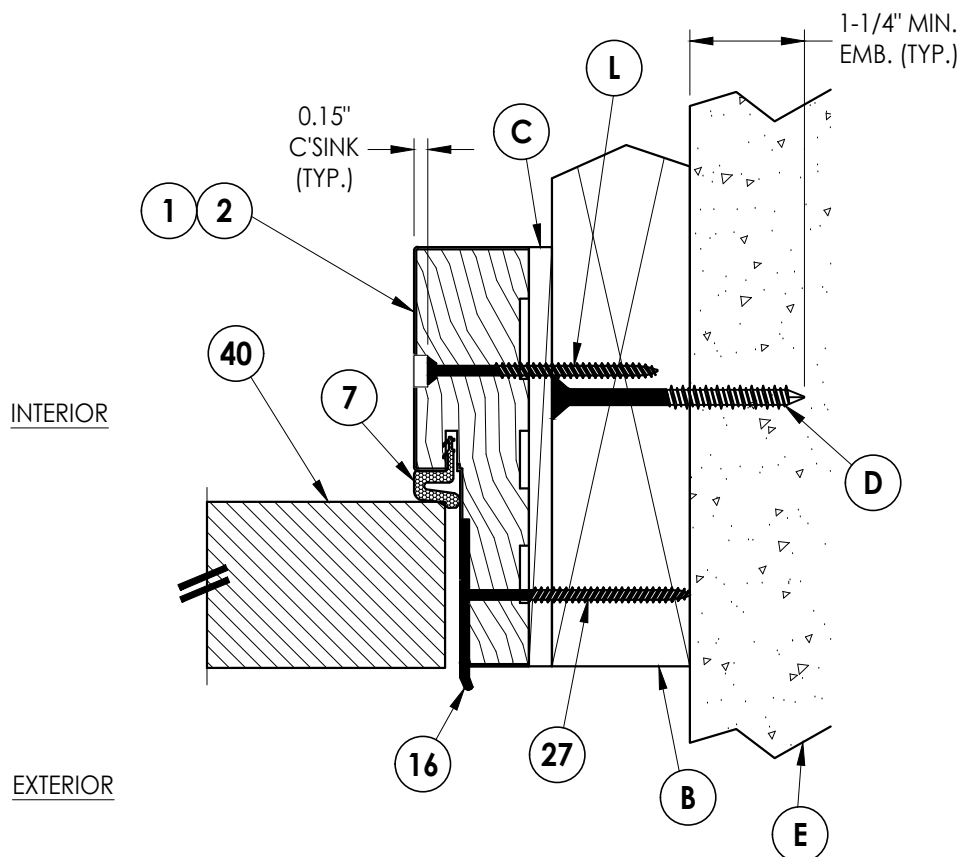


5 VERTICAL CROSS SECTION
Outswing shown - Inswing also approved

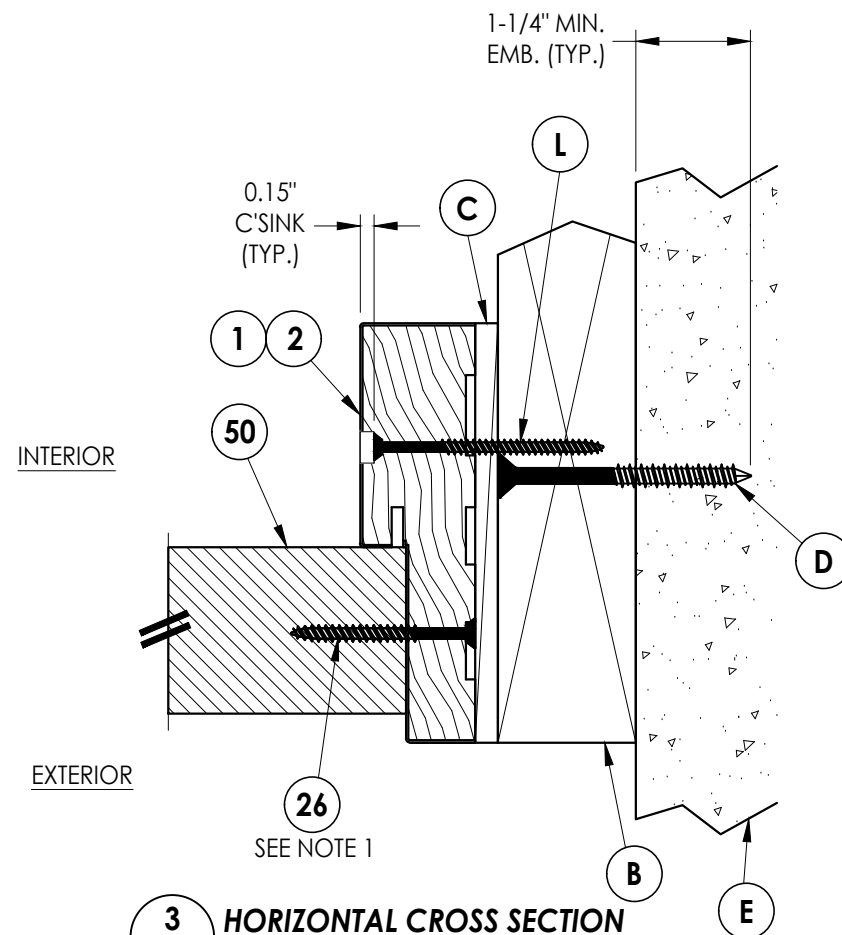
NOTE:
1. Item #26 located 6" from each end plus 5 more equally spaced (7 total).



1 HORIZONTAL CROSS SECTION
Outswing shown - Inswing also approved



2 HORIZONTAL CROSS SECTION
Outswing shown - Inswing also approved



3 HORIZONTAL CROSS SECTION
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	BY	REVISIONS	
			DESCRIPTION	DATE
1	8/01/23	LFS	UPDATE TO 8TH ED. (2023) FBC	

DATE: 3/24/21

SCALE: N.T.S.

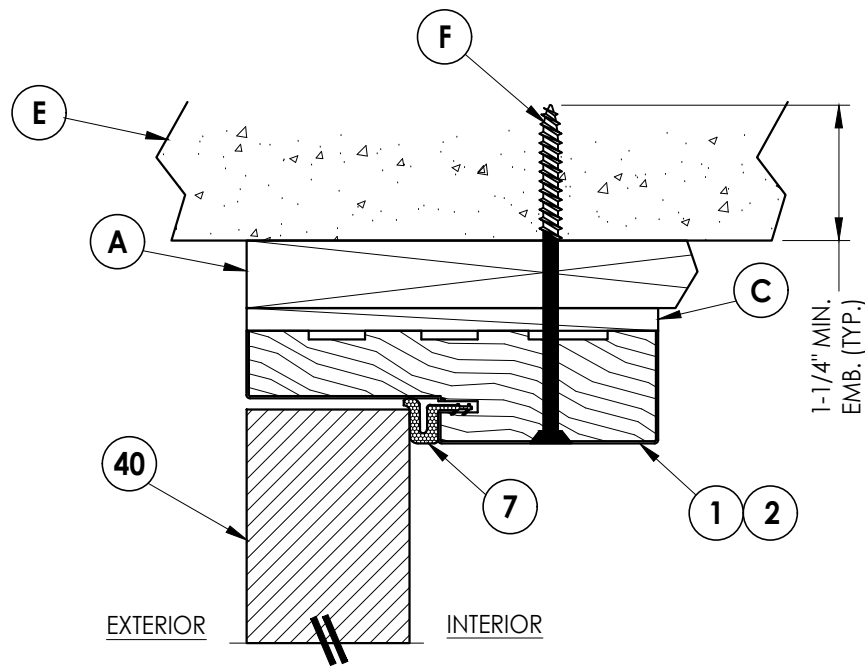
DWG. BY: RW

CHK. BY: LFS

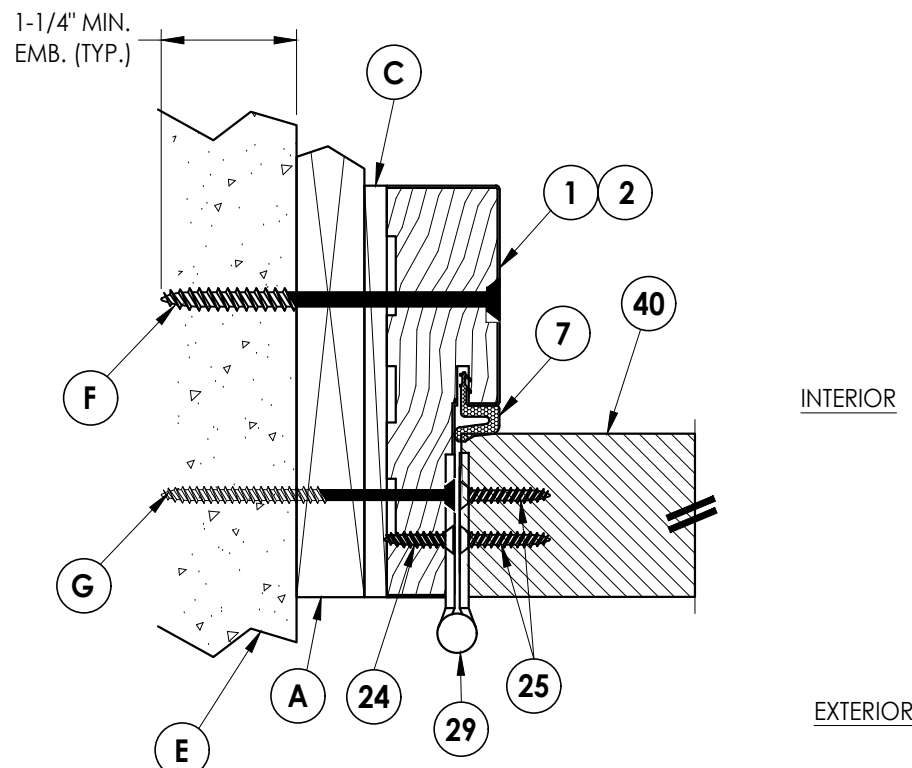
DRAWING NO.: FL-25575.13

SHEET 5 OF 13

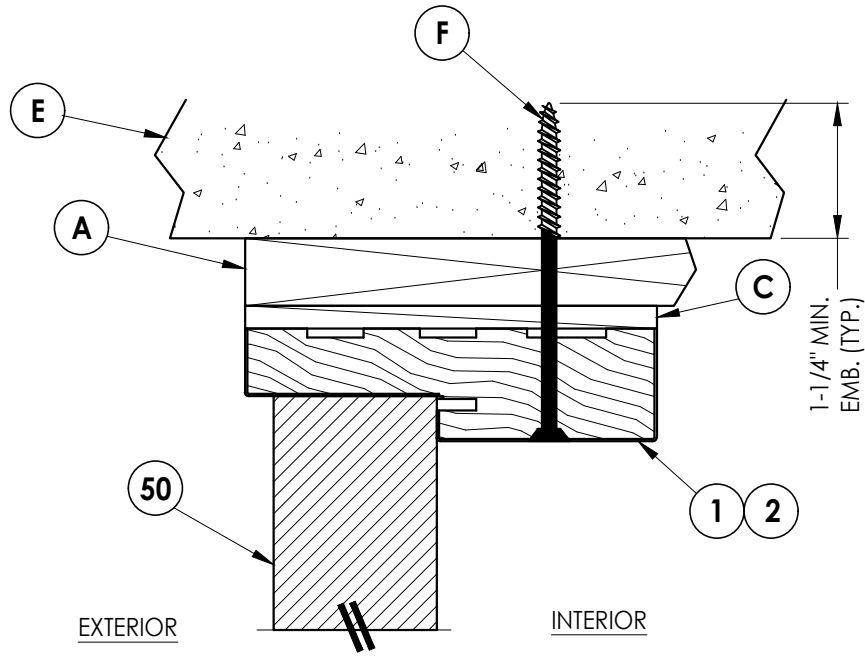
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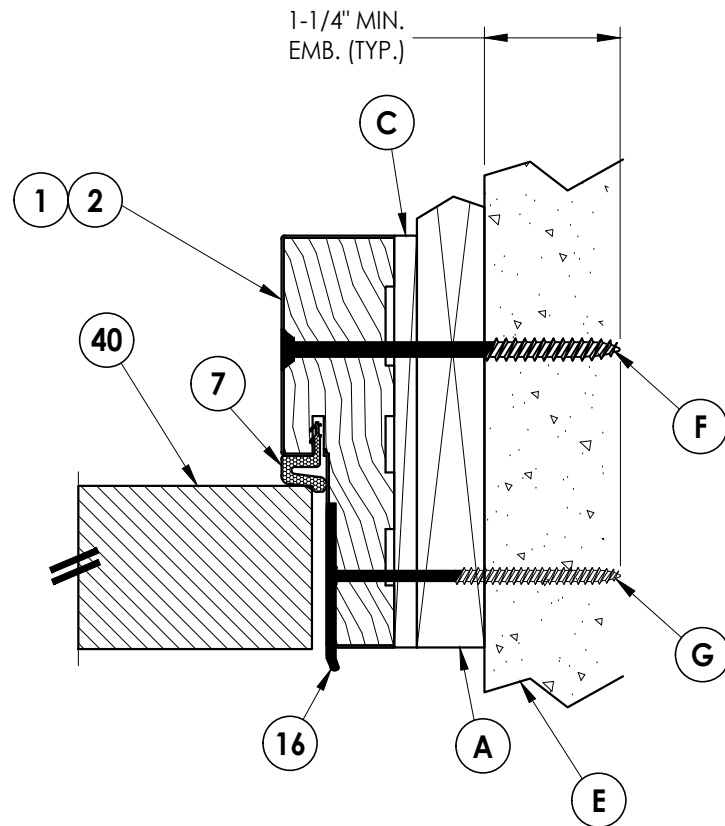
4
6 **VERTICAL CROSS SECTION**
Outswing shown - Inswing also approved



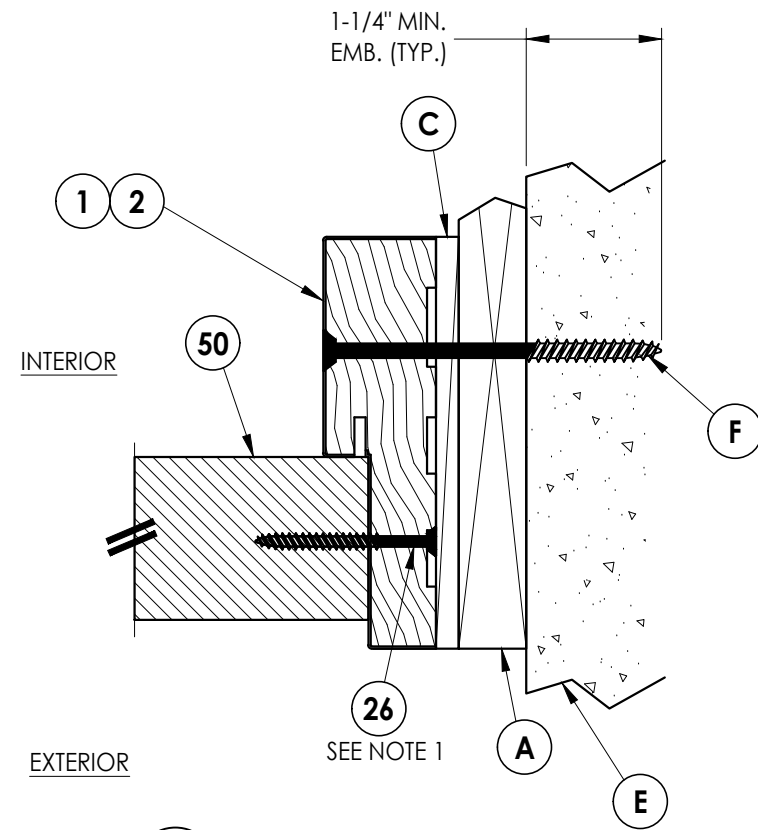
1
6 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved



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



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



3
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).

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L

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

NO.	DATE	DESCRIPTION	LFS	BY
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DATE: 3/24/21

SCALE: N.T.S.

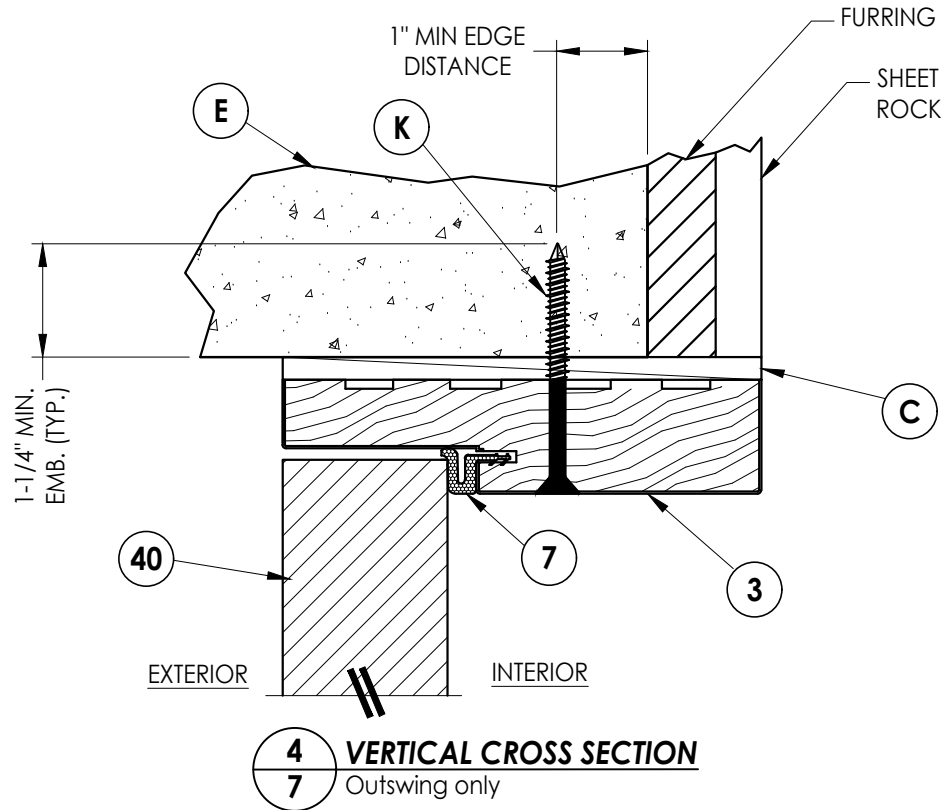
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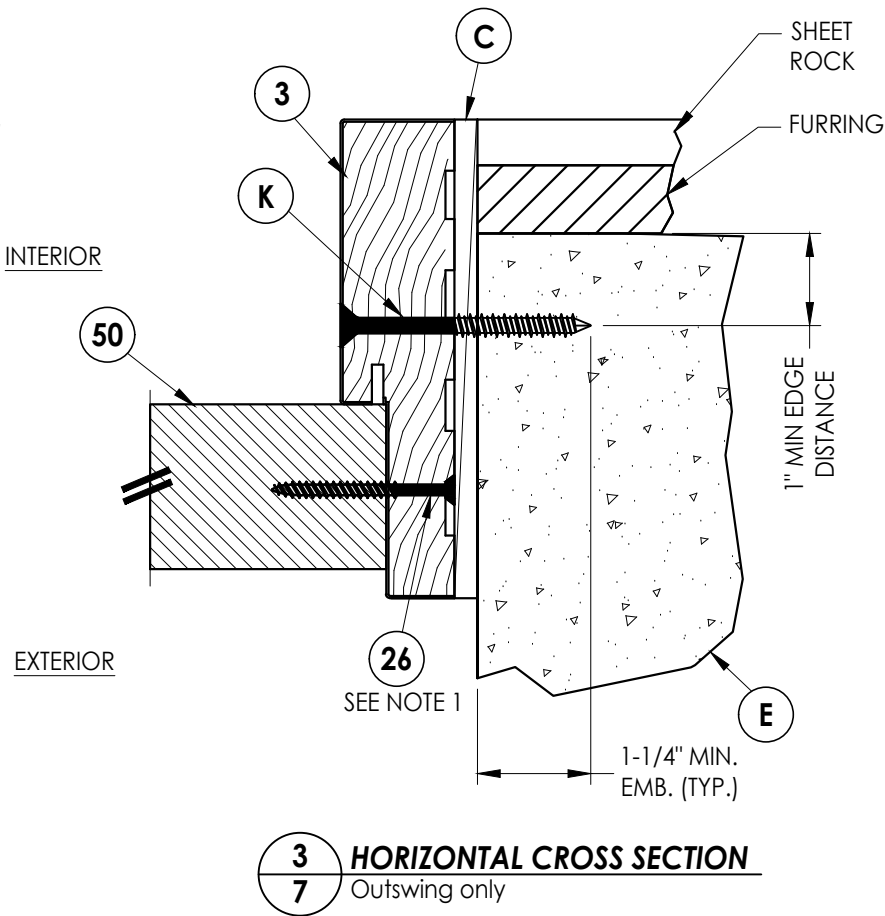
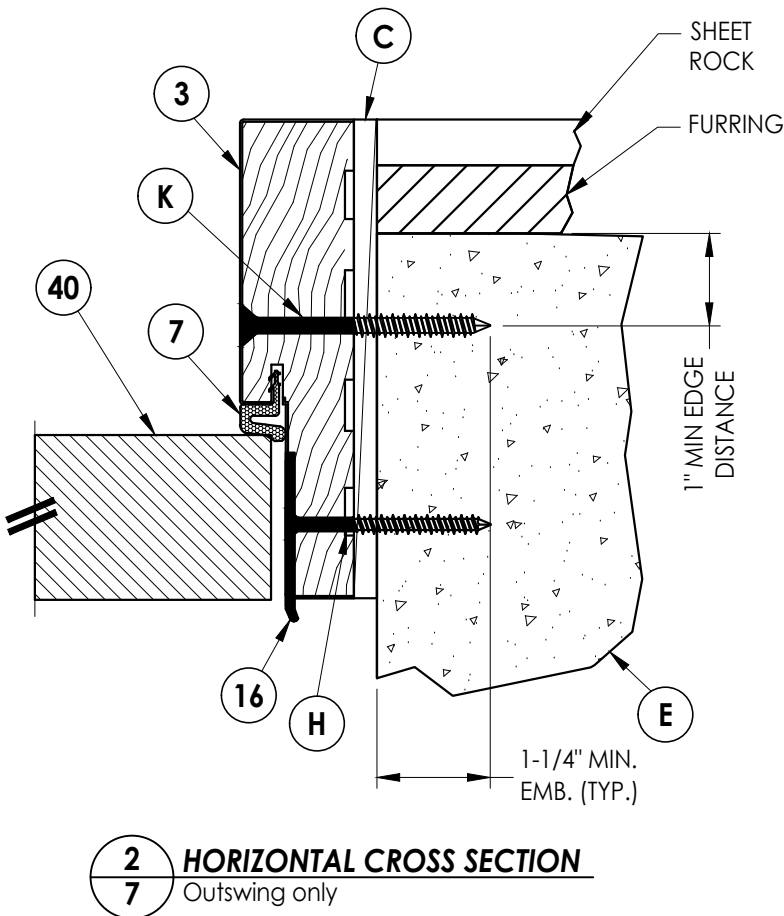
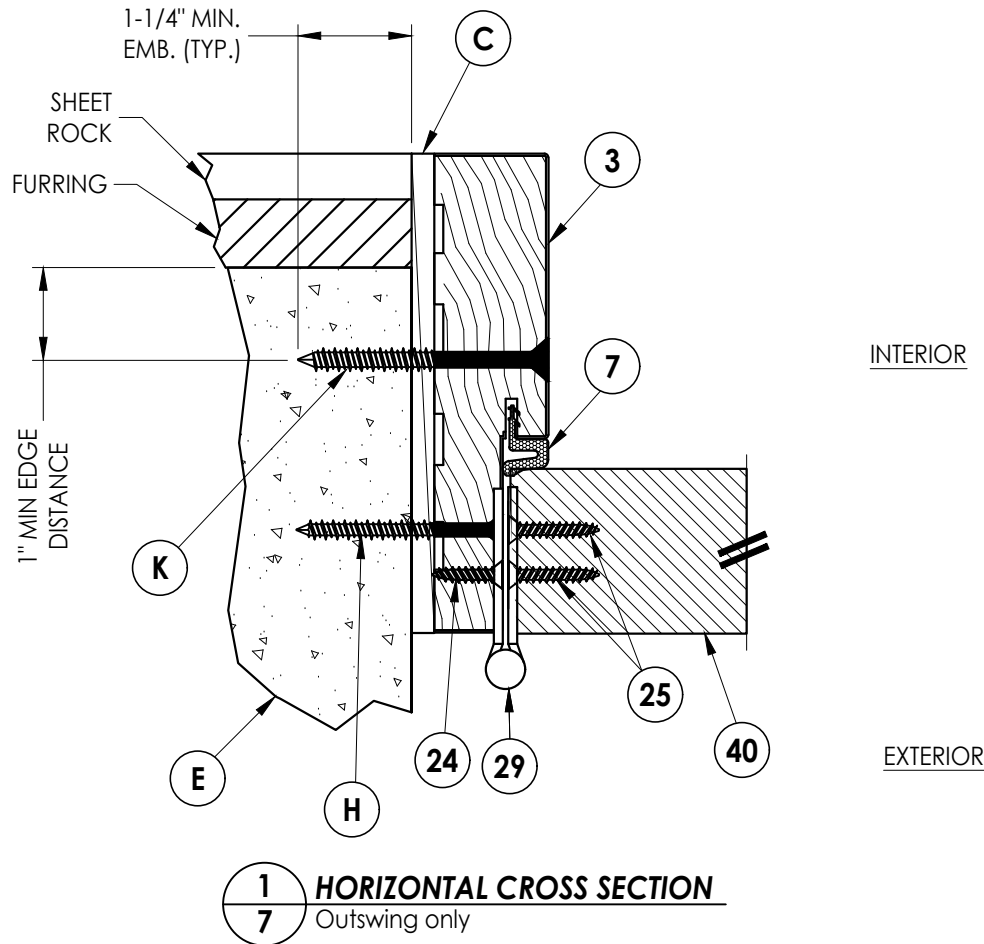
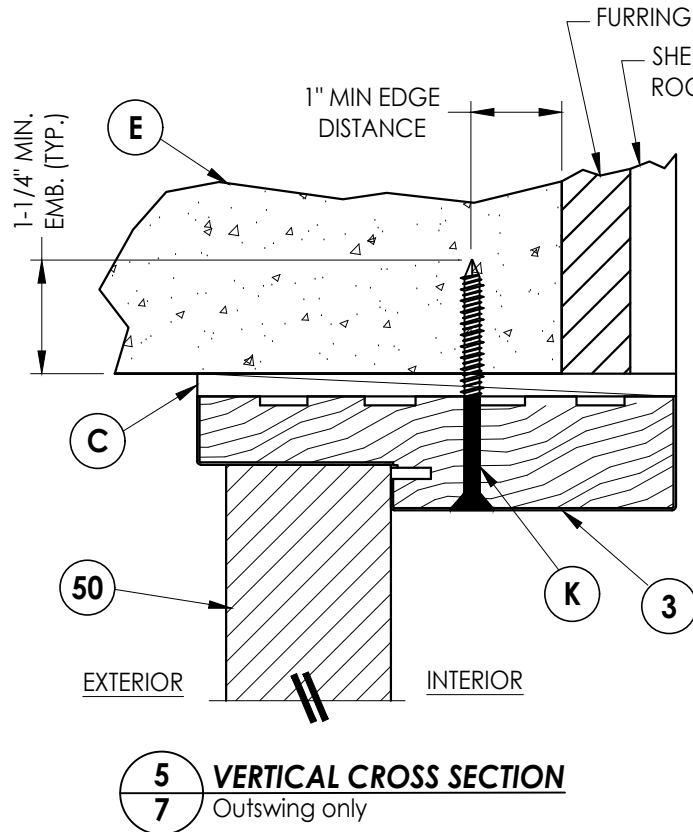
DRAWING NO.: FL-25575.13

SHEET 6 OF 13

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NOTE:
1. Item #26 located 6\"/>



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PRODUCT: TRINITY GLASS INT'L				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)			

1. Item #26 located @ 6", 20" & 34" from the head down and @ 6" & 20" from the sill up (5 screws total).
2. Item #26 equally spaced between each hinge (3 total).

[illegible]

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EXTERIOR

INTERIOR

50

34

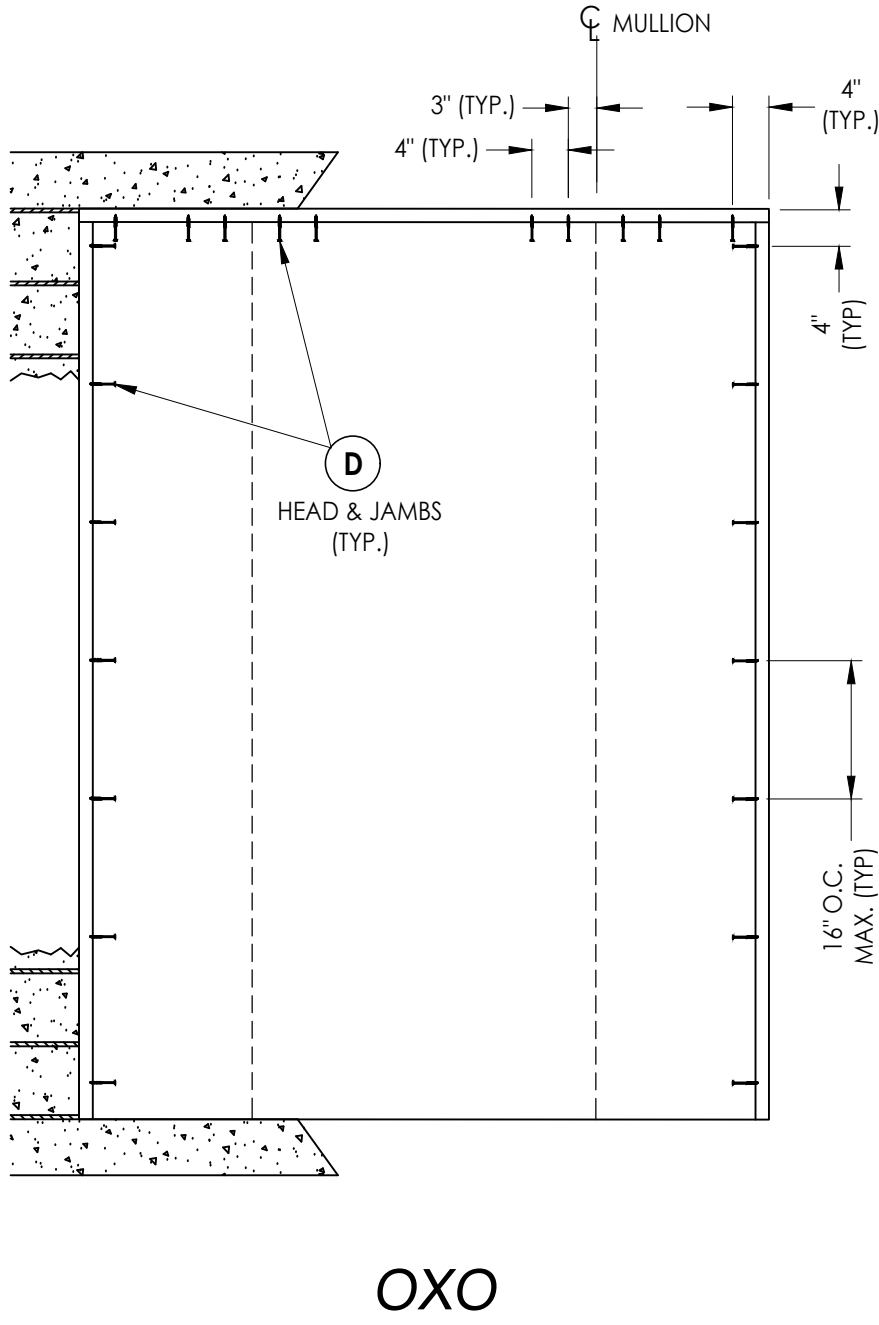
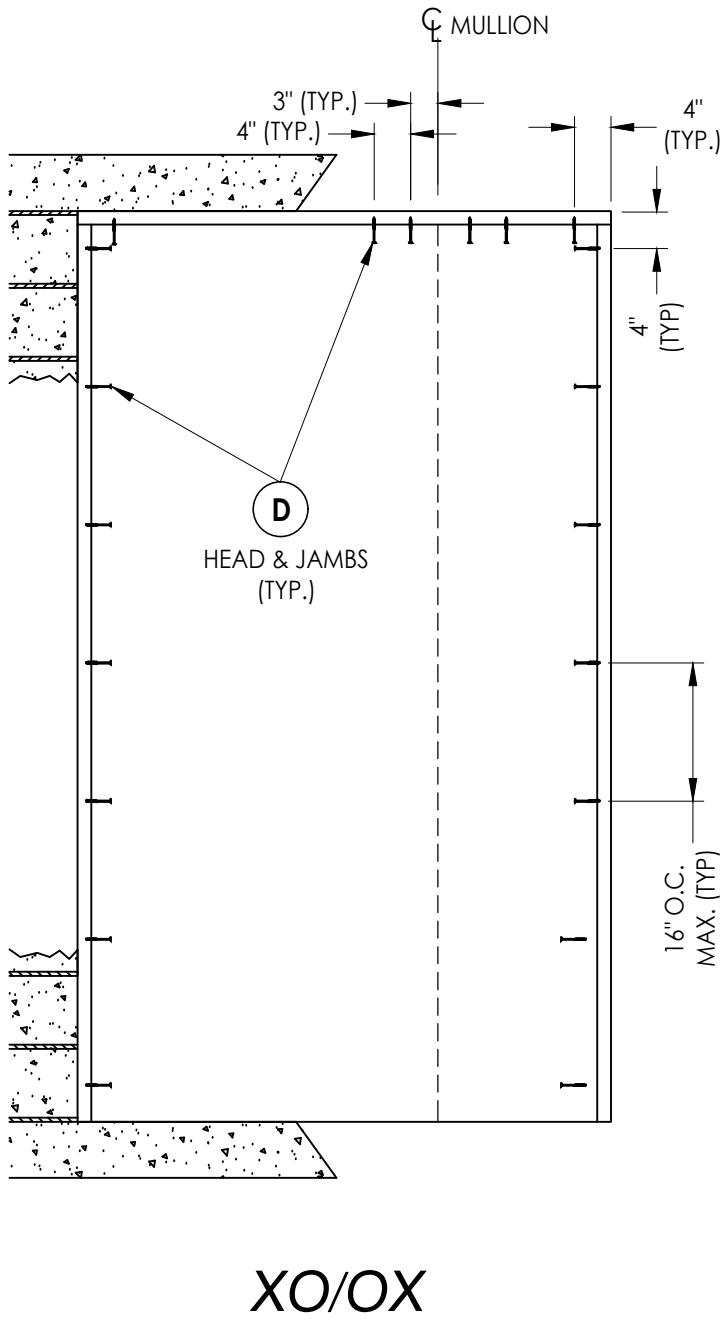
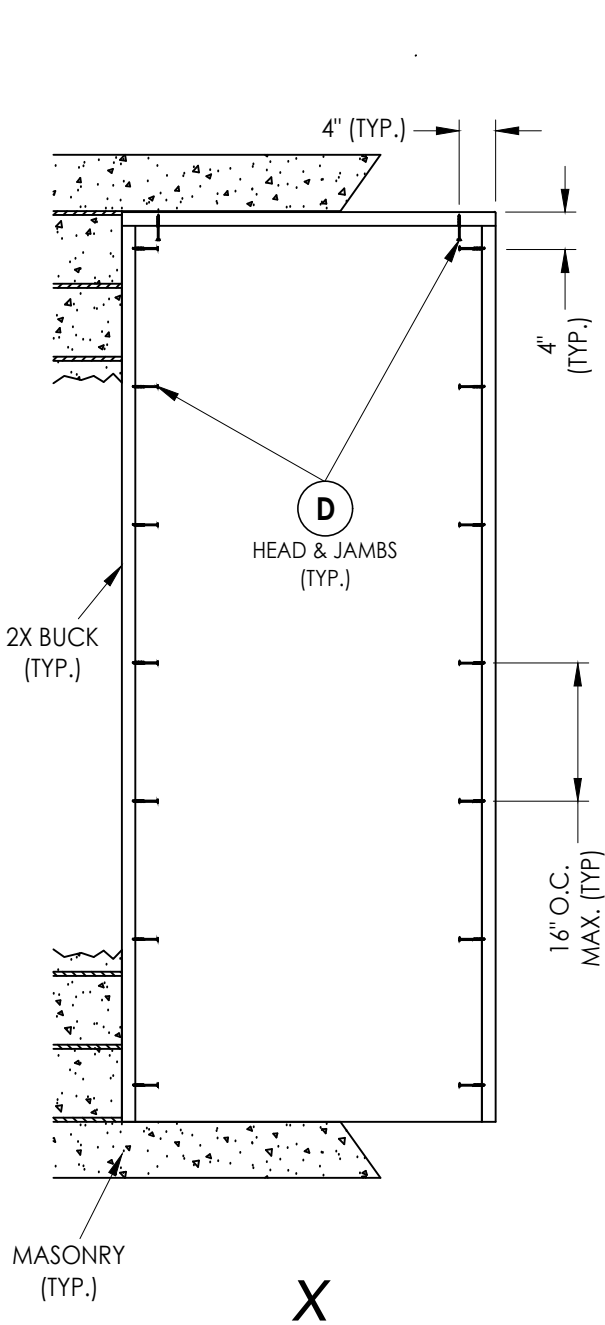
33

E

P

1-1/4" MIN.
EMB. (TYP.)

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												<i>R^W</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
												PRODUCT: <u>TRINITY GLASS INT'L</u>	
												PART OR ASSEMBLY: <u>VERTICAL CROSS SECTIONS</u>	
												LFS BY	
												REVISIONS	
												DATE: <u>3/24/21</u>	
												SCALE: <u>N.T.S.</u>	
												DWG. BY: <u>RW</u>	
												CHK. BY: <u>LFS</u>	
												DRAWING NO.: <u>FL-25575.13</u>	
												SHEET <u>9</u> OF <u>13</u>	



XO/OX

OXO

2X BUCK ANCHORING

DATE: 3/24/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-25575.13

SHEET 10 OF 13

PRODUCT: TRINITY GLASS INT'L

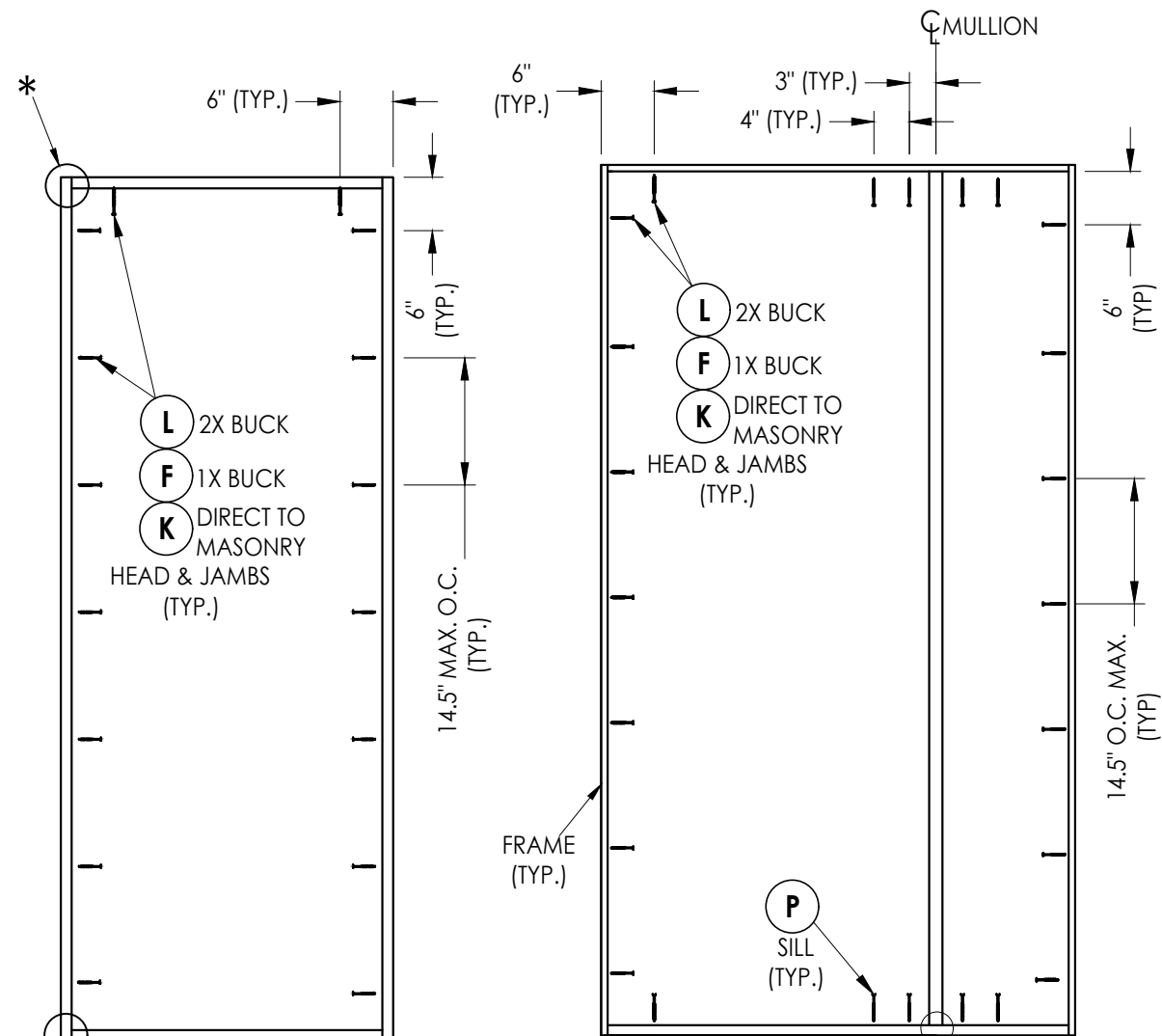
PART OR ASSEMBLY: BUCK ANCHORING

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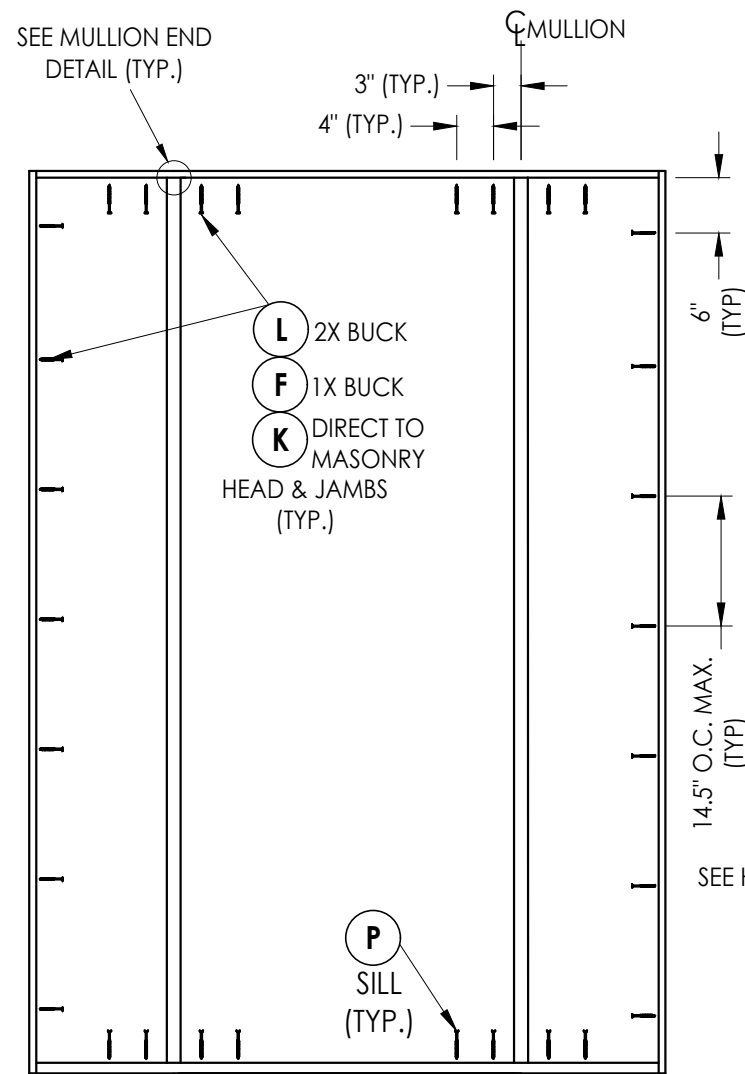
NO.	DATE	REVISIONS
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		BY

*NOTE: FRAME CORNERS ATTACHED w/ #8 X 2"
COURSE THREAD DRYWALL SCREWS: (3) @ HEAD,
(3) @ INSWING SILL & (2) @ OUTSWING SILL (TYP.).

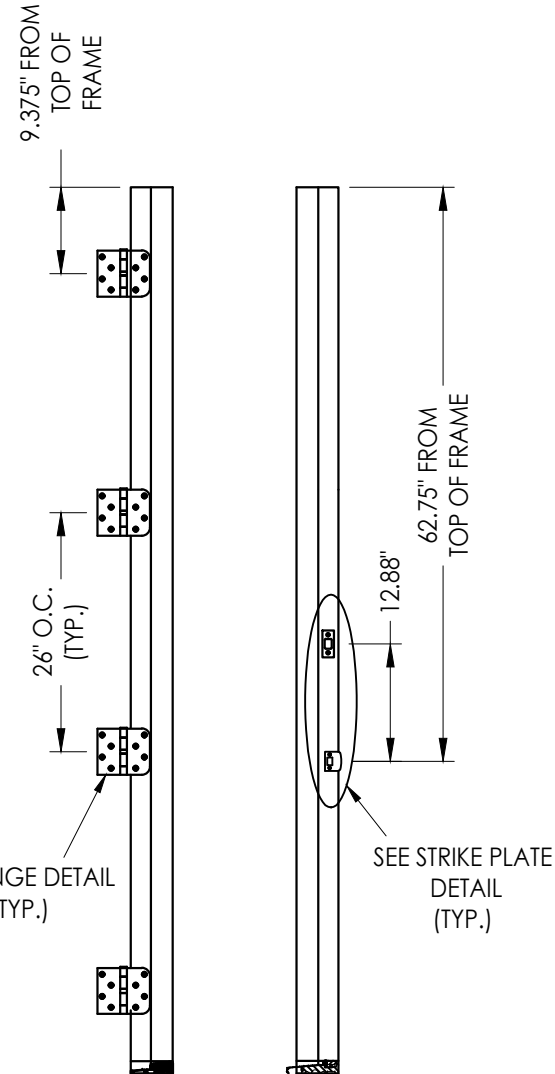


X

XO/OX

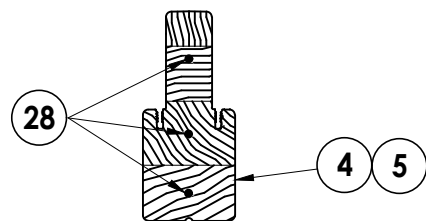


OXO

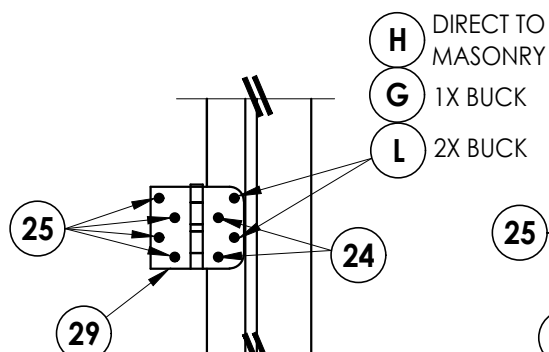


HINGE JAMB STRIKE JAMB

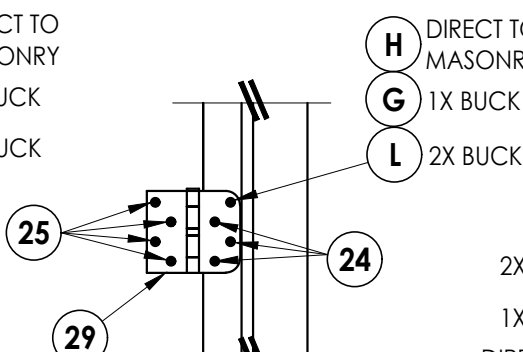
FRAME ANCHORING



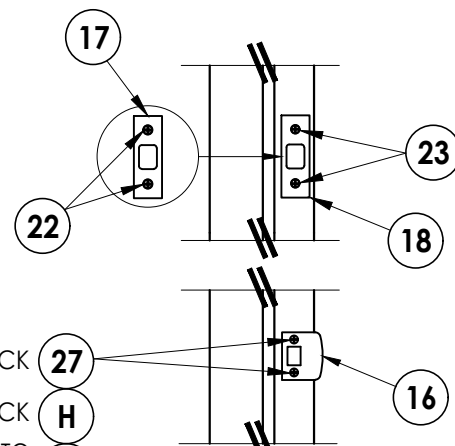
MULLION END DETAIL
(TYP. @ HEAD & SILL)



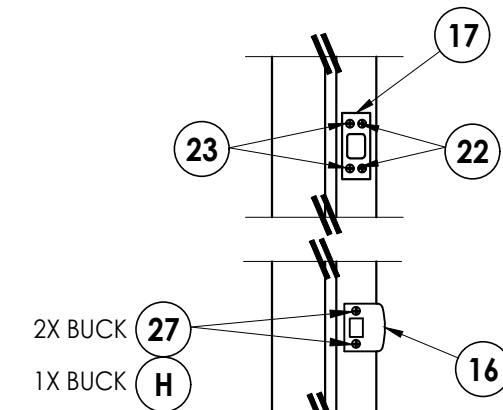
HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING



STRIKE PLATE DETAIL
SCHLAGE LOCKSET



STRIKE PLATE DETAIL
KWIKSET LOCKSET

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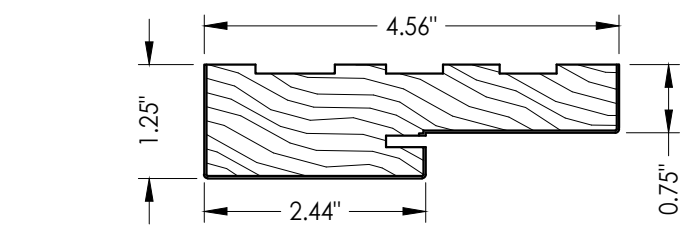
PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY:
FRAME ANCHORING

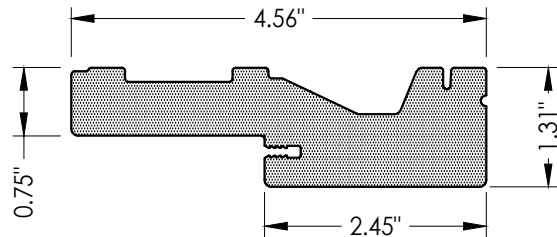
NO.	DATE	REVISIONS
1	8/01/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 3/24/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-25575.13
SHEET 11 OF 13

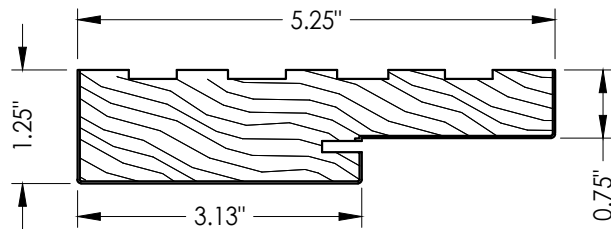
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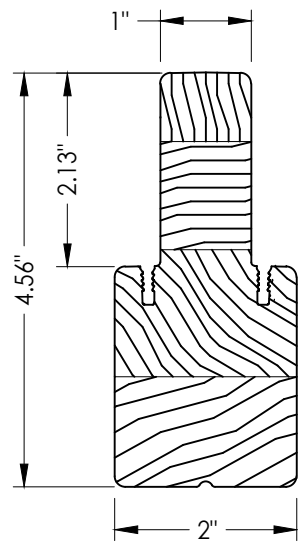
1 HEAD & JAMBS
FINGER JOINT PINE



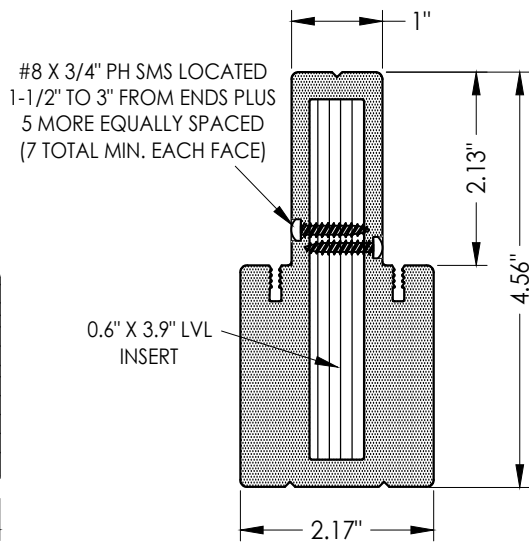
2 HEAD & JAMBS
PVC



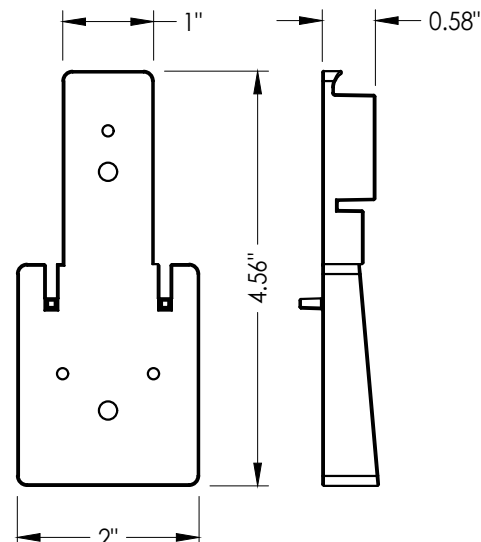
3 HEAD & JAMBS
FINGER JOINT PINE



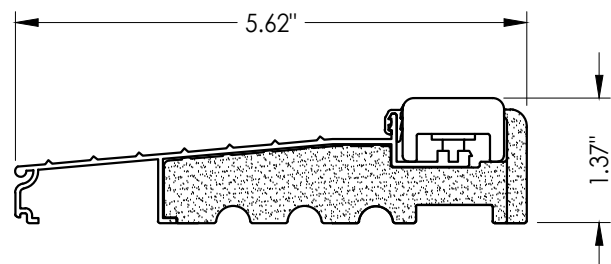
4 INTEGRAL MULLION
PINE



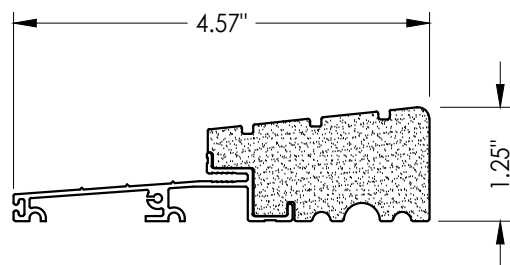
5 INTEGRAL MULLION
PVC/LVL



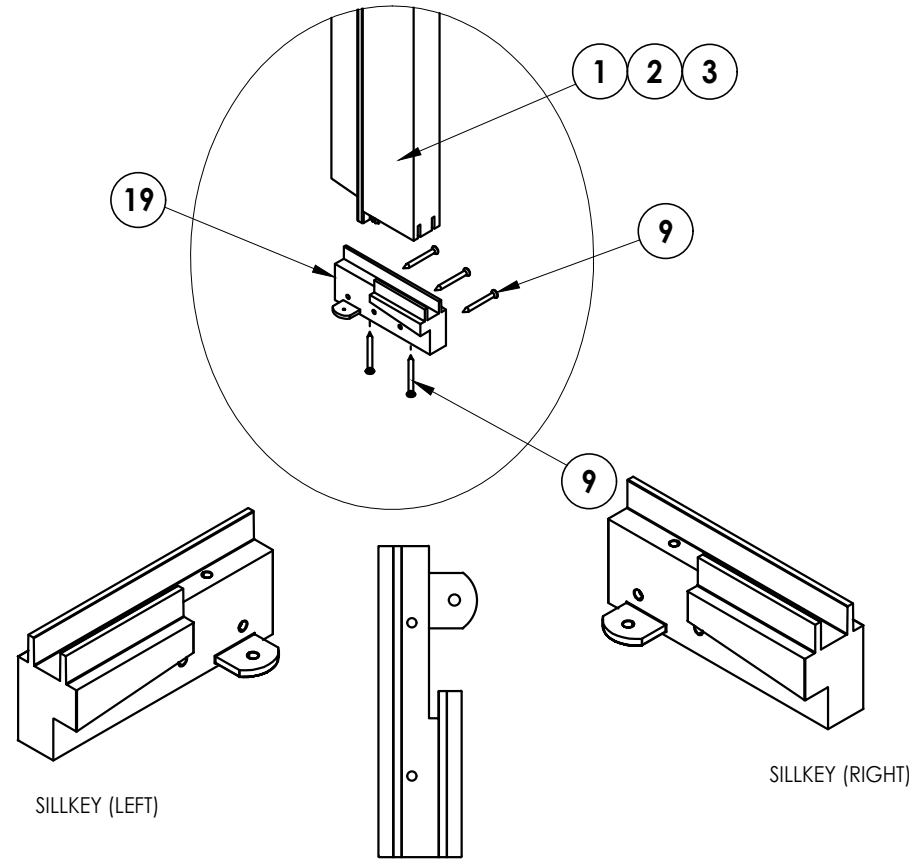
6 INTEGRAL MULLION BASE KIT
Optional



31 INSWING THRESHOLD

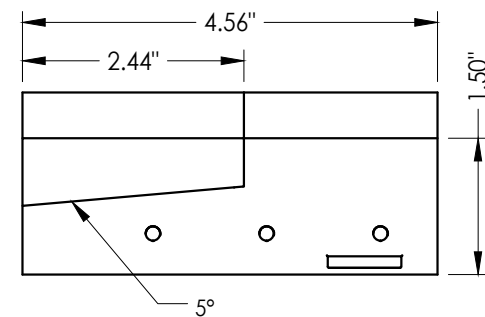
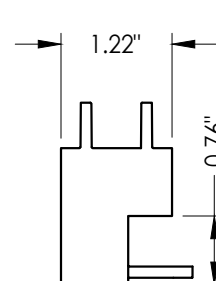
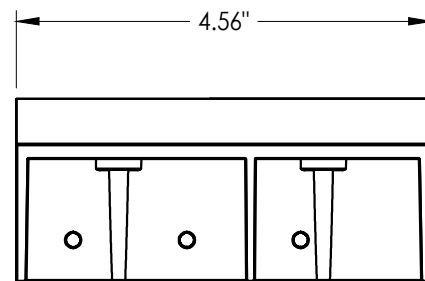


33 OUTSWING THRESHOLD
High-dam

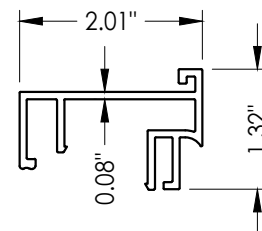


SILLKEY (LEFT)

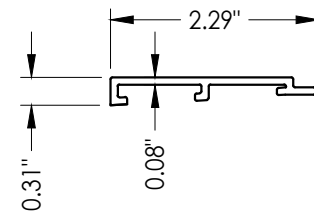
SILLKEY (RIGHT)



19 SILLKEY DETAILS
Optional



32 SIDELITE SPACER
Inswing



34 SIDELITE SPACER
Outswing

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

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	UPDATE TO 8TH ED. (2023) FBC	LFS	BY
1	8/01/23			

DATE: 3/24/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-25575.13

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	ABS
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	#10 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	-
50	SIDELITE PANEL	-

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.

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NO DATE		BY		REVISONS	
PRODUCT: TRINITY GLASS INT'L		PART OR ASSEMBLY: BILL OF MATERIALS		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
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