

CONTINUOUS HEAD & SILL FRAME SYSTEM

(Utilizing PVC Components)

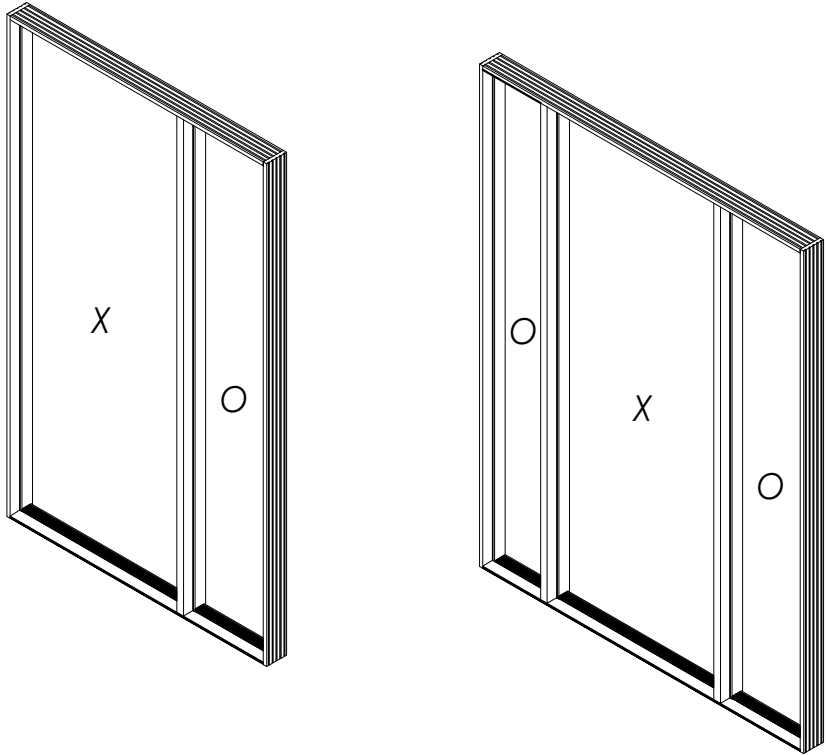
INSWING / OUTSWING

"NON-IMPACT"

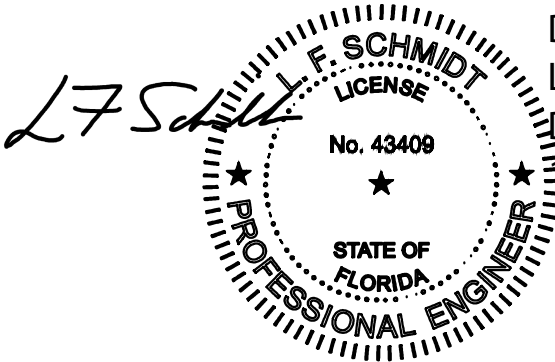
GENERAL NOTES

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. This "NON-IMPACT" door jamb, mullion, weatherstripping and thresholds, as components, are to be used as a substitute for similar components in a continuous head & sill door system possessing a current Florida Statewide Product Approval (excluding the "HVHZ").
4. The design pressure of the assembly shall be the lesser of the design pressure for the door jamb shown in this approval or the design pressure of the door assembly used in conjunction with this approval.
5. The maximum frame size of the door assembly shall be lesser of the maximum frame size stated in this approval or the maximum frame size of the door assembly approval used in conjunction with this approval.
6. 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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5	Horizontal Cross Sections
6	Vertical Cross Sections (Thresholds)
7	Buck Anchoring
8	Frame Anchoring
9	Components
10	Bill of Materials



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX, XO	52.5" x 82"	+55.0	-60.0	+55.0	-55.0
OXO	67.5" x 82"	+55.0	-60.0	+55.0	-55.0



Digitally signed by
Lyndon F Schmidt
Date: 2023.08.01
3:03:39 -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

TRINITY GLASS INT'L COMPONENTS

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

DATE: 12/15/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-25615.2

SHEET 1 OF 10

REVISIONS

2 8/01/23 UPDATE TO 8TH ED. (2023) FBC LFS

1 8/11/20 UPDATE TO 7TH ED. (2020) FBC LFS

NO. DATE BY

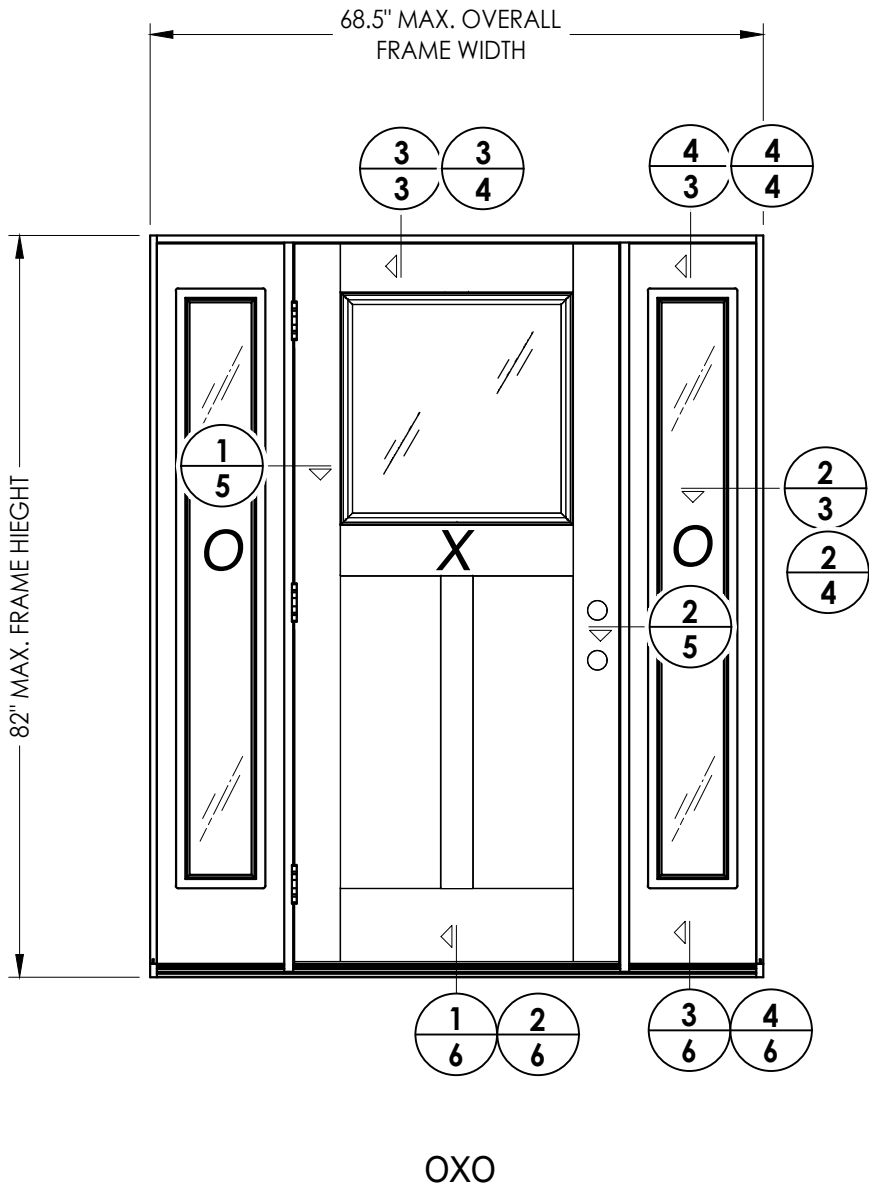
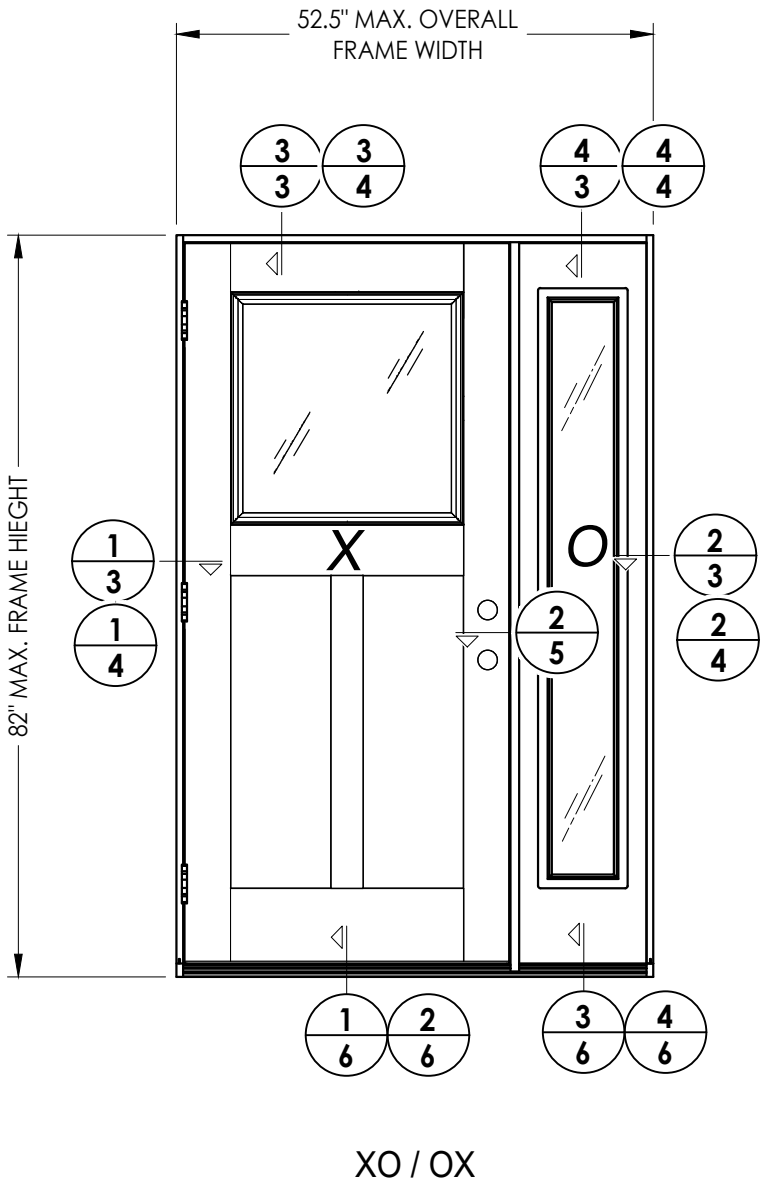
RW BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

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NOTE:
SEE SEPARATE SIDE-HINGED DOOR & SIDELITE
FLORIDA PRODUCT APPROVAL FOR DOOR & SIDELITE
CONSTRUCTION DETAILS NOT SHOWN, INCLUDING
LOCK HARDWARE, ASTRAGAL, HINGE & THRESHOLD
CONNECTIONS.

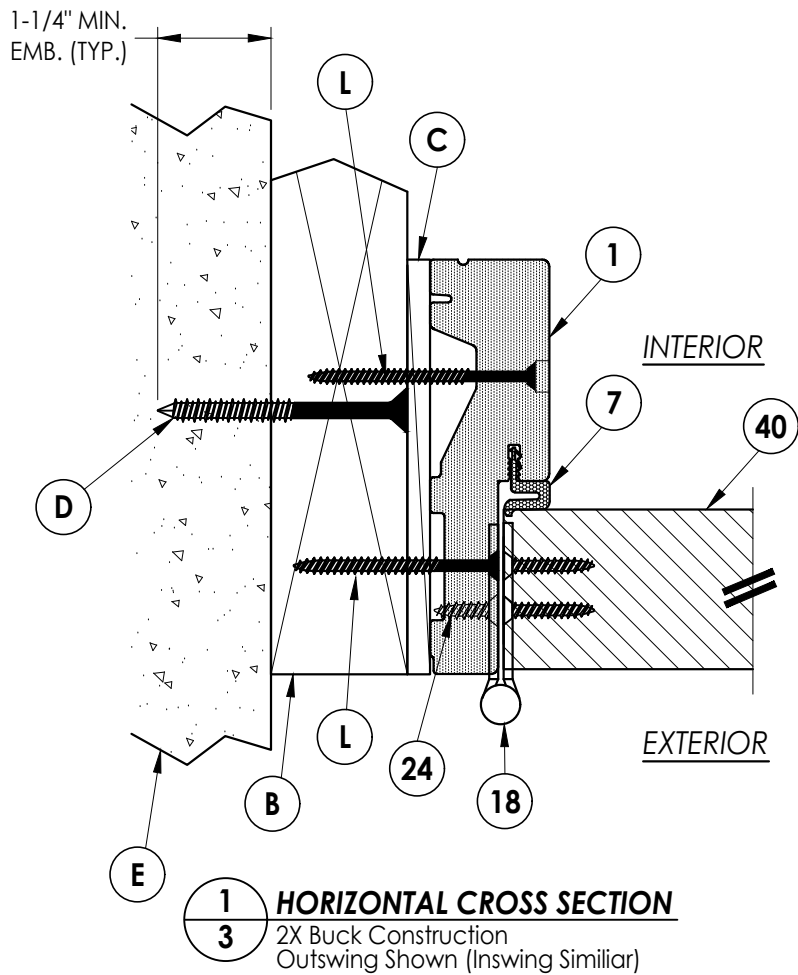
REVISIONS	
NO.	DATE
2	8/01/23
1	8/11/20

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

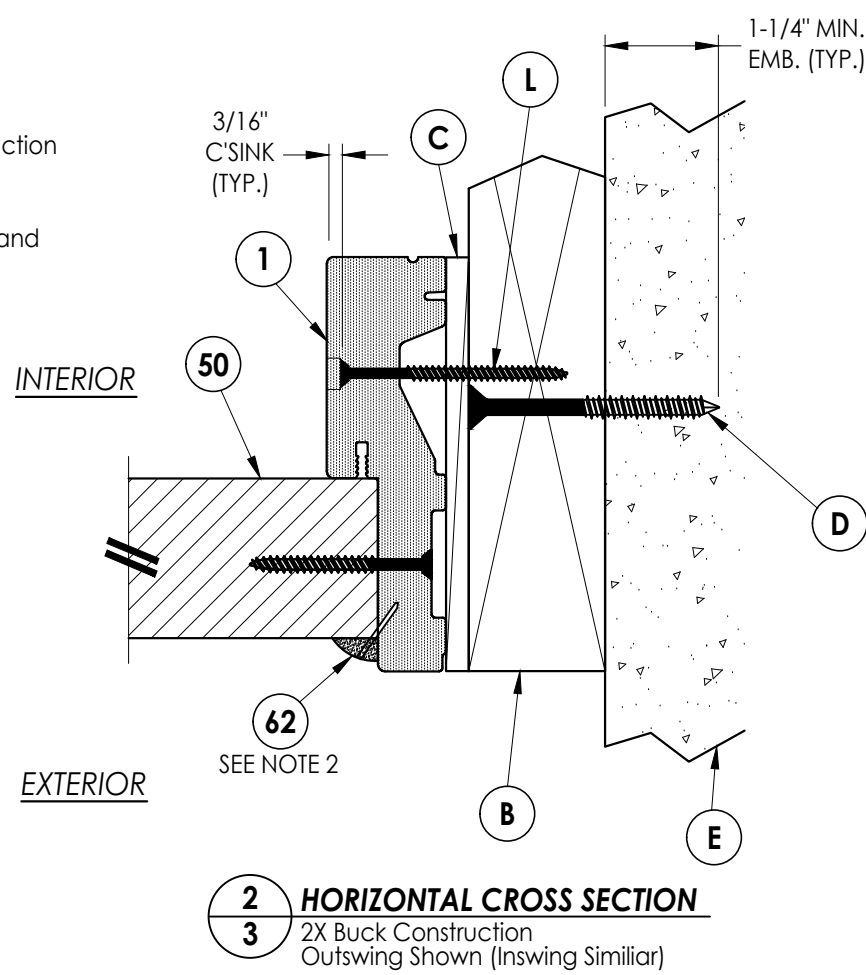
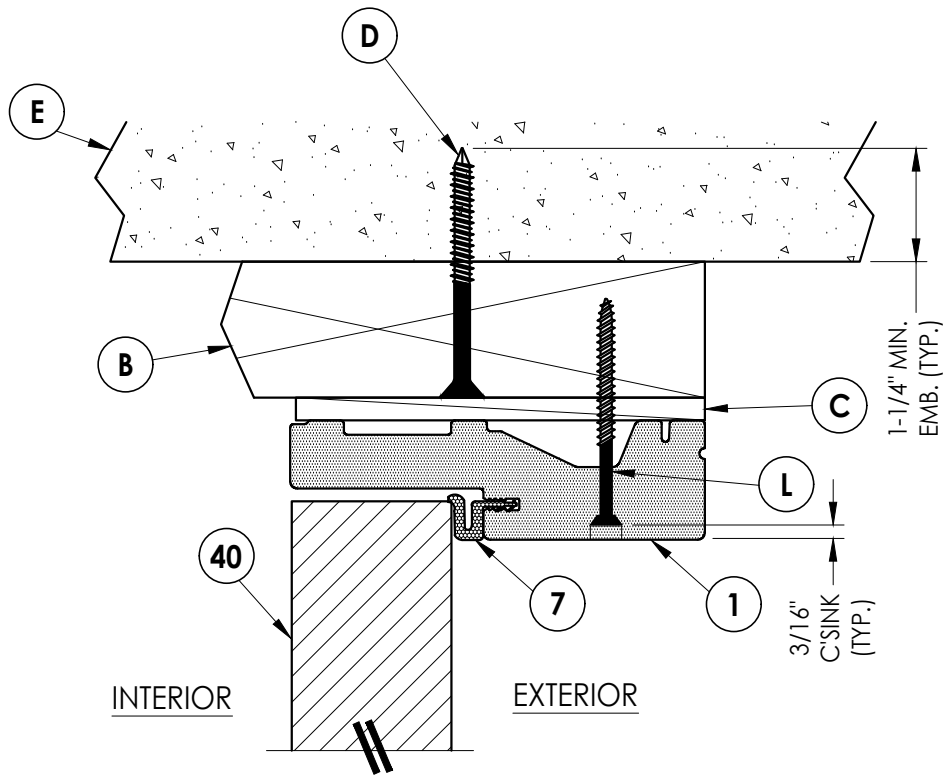
Documents Prepared By:	
Lyndon F. Schmidt P.E. No. 43409	
R ^W BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	

DATE: 12/15/17	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-25615.2	
SHEET 2 OF 10	

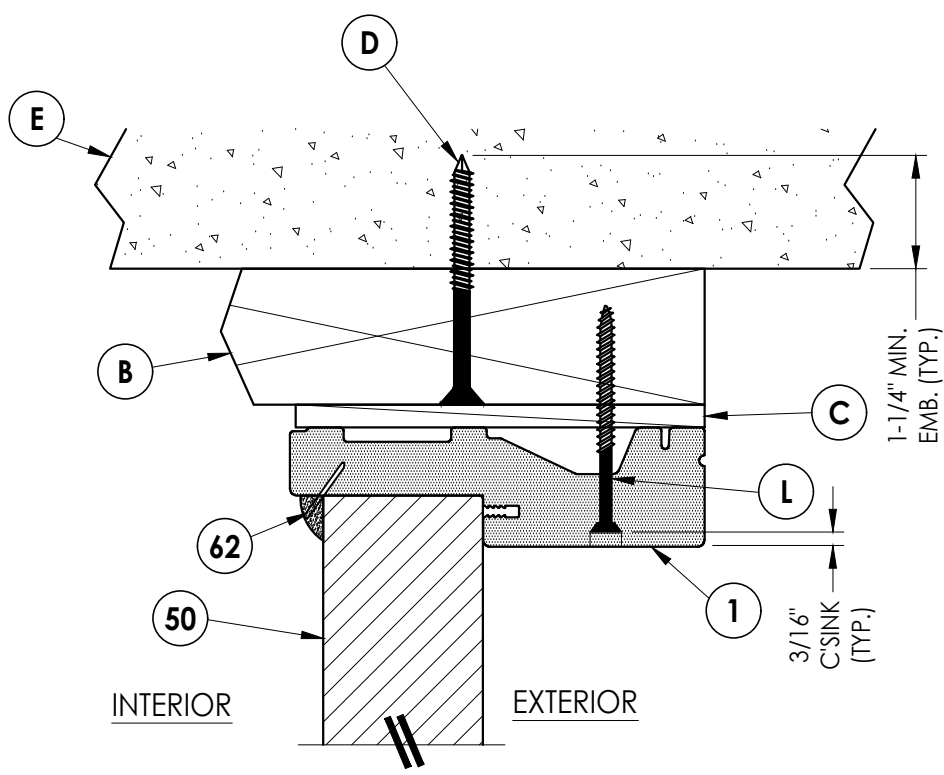
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3 **VERTICAL CROSS SECTION**
3 2X Buck Construction
Inswing Shown (Outswing Similar)



4 **VERTICAL CROSS SECTION**
3 2X Buck Construction
Inswing Shown (Outswing Similar)



NOTES:

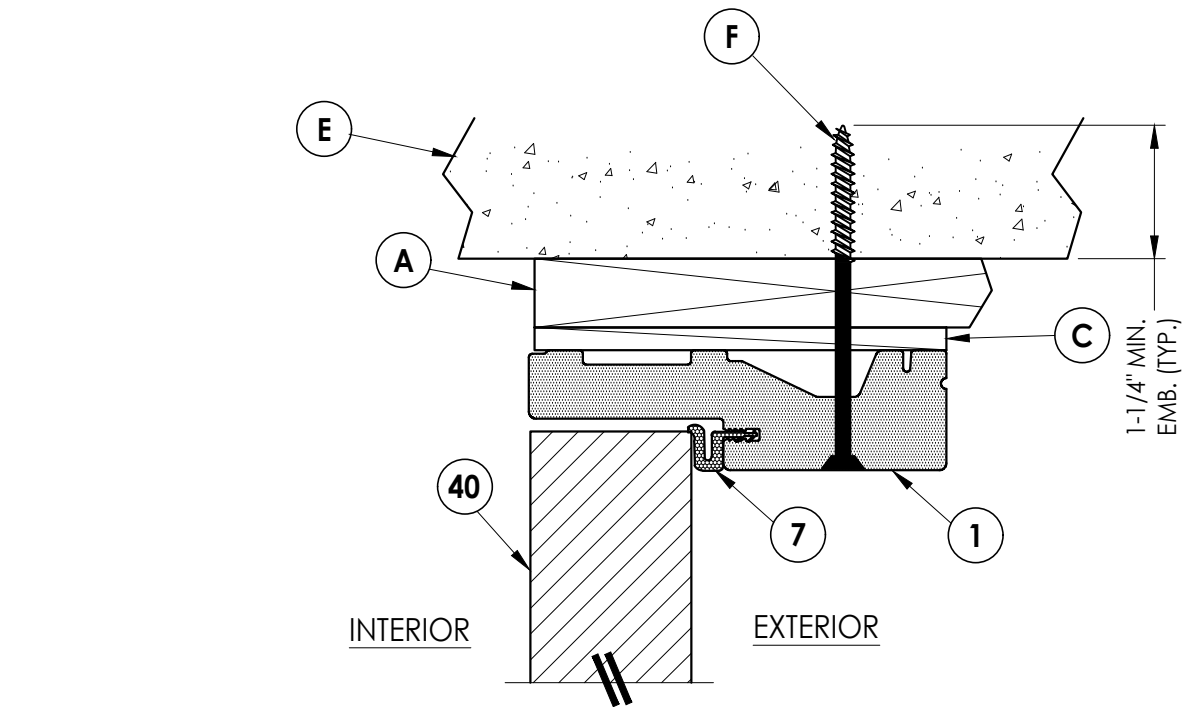
1. See separate Side-Hinged Door Product Approval for door construction details not shown, including lock hardware, astragal, hinge and threshold connections.
2. PVC Quarter Round attached w/ 18 GA. 1" brad nail 3" from ends and 8" o.c. thereafter.

PRODUCT:		TRINITY GLASS INT'L COMPONENTS		PART OR ASSEMBLY:	
				HORIZONTAL AND VERTICAL CROSS SECTIONS (2X BUCK)	
				LFS	BY
				FBC	
2	8/01/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
	NO.	DATE			
REVISIONS					
DATE: 12/15/17					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-25615.2					
SHEET 3 OF 10					

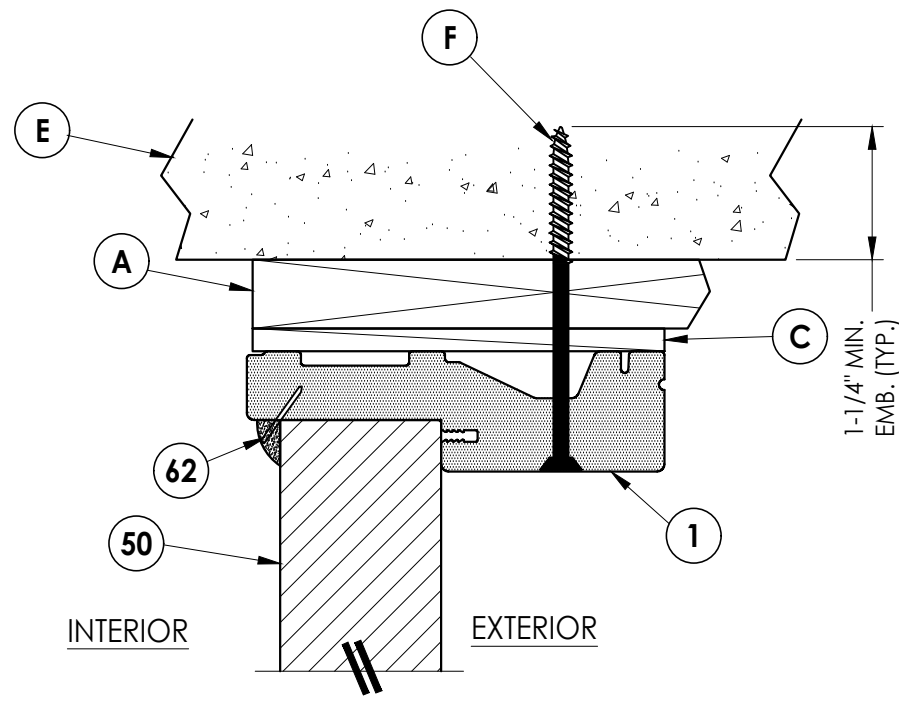
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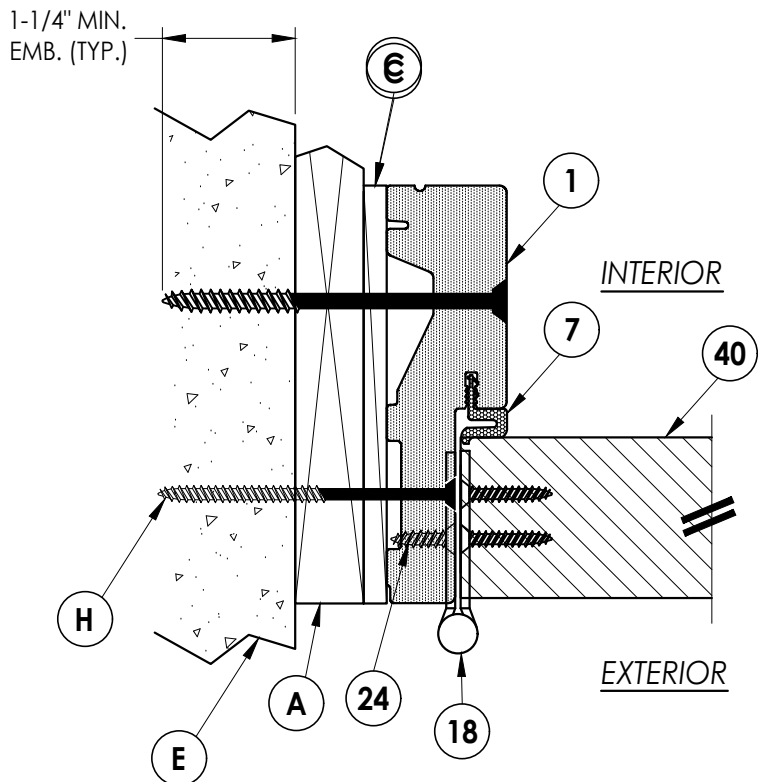
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3
4 **VERTICAL CROSS SECTION**
1X Buck Construction
Inswing Shown (Outswing Similar)



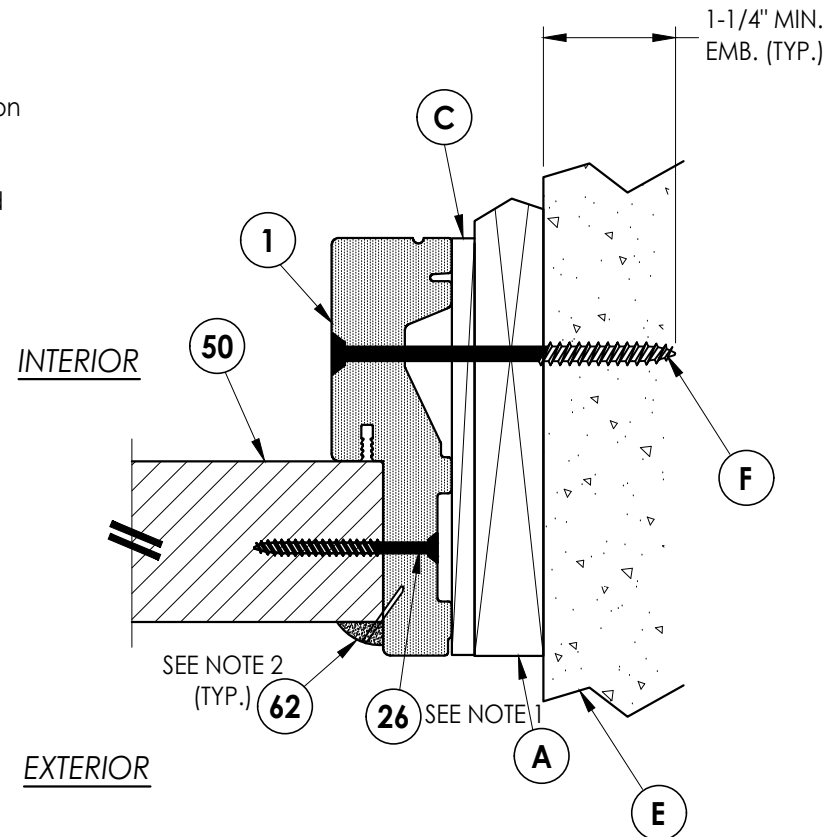
4
4 **VERTICAL CROSS SECTION**
1X Buck Construction
Inswing Shown (Outswing Similar)



1
4 **HORIZONTAL CROSS SECTION**
1X Buck Construction
Outswing Shown (Inswing Similar)

NOTES:

1. See separate Side-Hinged Door Product Approval for door construction details not shown, including lock hardware, astragal, hinge and threshold connections.
2. PVC Quarter Round attached w/ 18 GA. 1" brad nail 3" from ends and 8" o.c. thereafter.



2
4 **HORIZONTAL CROSS SECTION**
1X Buck Construction
Outswing Shown (Inswing Similar)

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FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L COMPONENTS

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

NO.	DATE	BY
2	8/01/23	LFS
1	8/11/20	LFS

DATE: 12/15/17

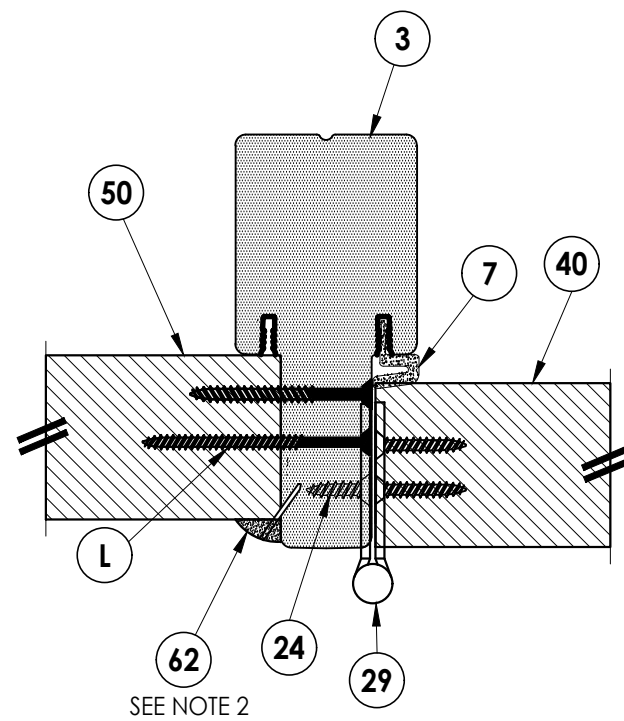
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CHK. BY: LFS

DRAWING NO.: FL-25615.2

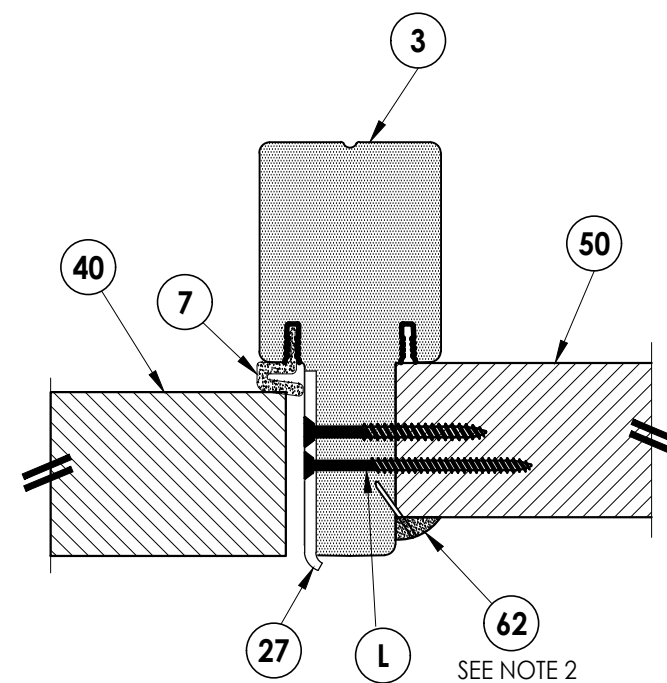
SHEET 4 OF 10



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

INTERIOR

EXTERIOR



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

NOTES:

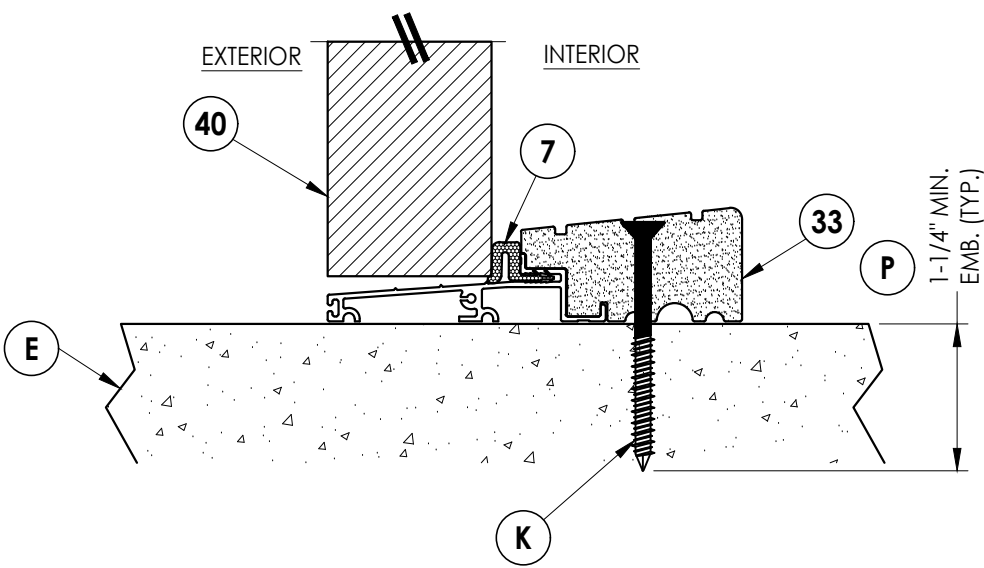
1. See separate Side-Hinged Door Product Approval for door construction details not shown, including lock hardware, astragal, hinge and threshold connections.
2. PVC Quarter Round attached w/ 18 GA. 1" brad nail 3" from ends and 8" o.c. thereafter.

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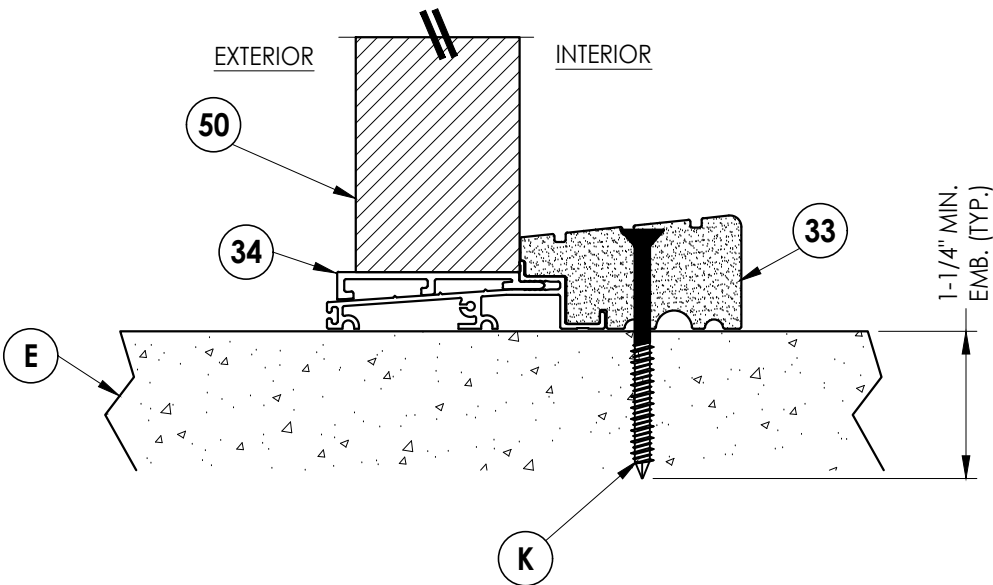
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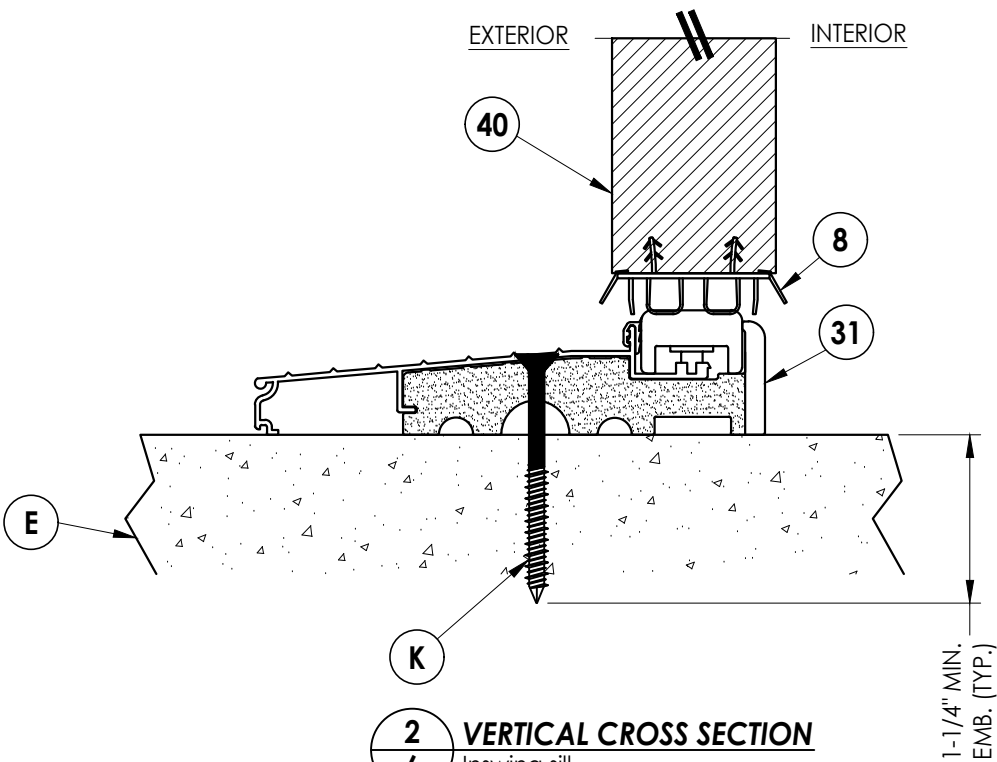
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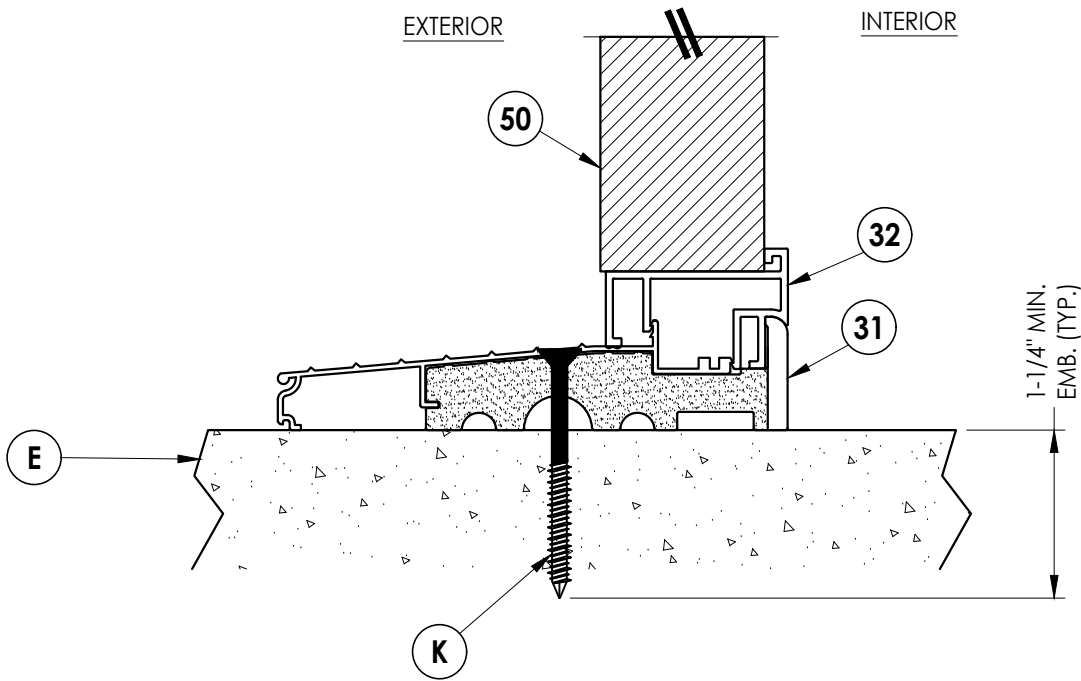
1 VERTICAL CROSS SECTION
6 Outswing sill - high dam



3 VERTICAL CROSS SECTION
6 Outswing sill - high dam



2 VERTICAL CROSS SECTION
6 Inswing sill



4 VERTICAL CROSS SECTION
6 Inswing sill

NOTE:
See separate Side-Hinged Door Product Approval for door construction details not shown, including lock hardware, astragal, hinge and threshold connections.

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PRODUCT:
TRINITY GLASS INT'L
COMPONENTS

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS
(THRESHOLDS)

NO.	DATE	REVISIONS
2	8/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	8/11/20	UPDATE TO 7TH ED. (2020) FBC LFS

DATE: 12/15/17

SCALE: N.T.S.

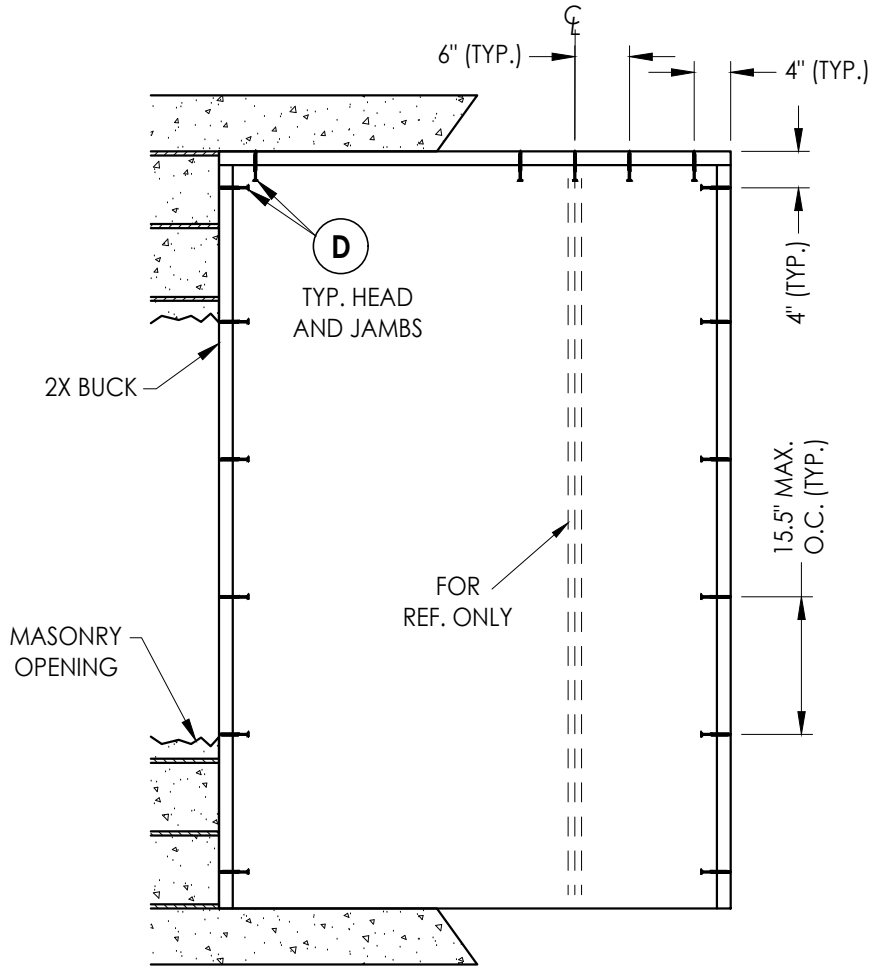
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CHK. BY: LFS

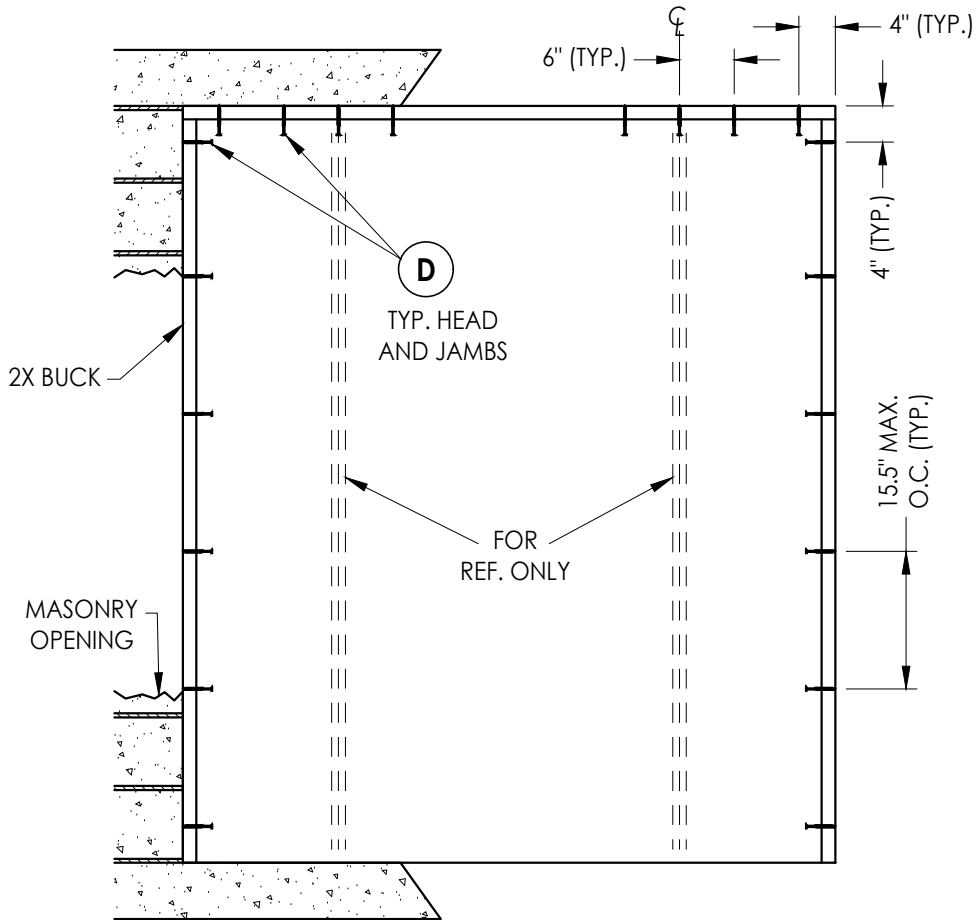
DRAWING NO.:

FL-25615.2

SHEET 6 OF 10



BUCK ANCHORING



BUCK ANCHORING

DATE: 12/15/17	
SCALE: N.T.S.	
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.: FL-25615.2	
SHEET 7 of 10	

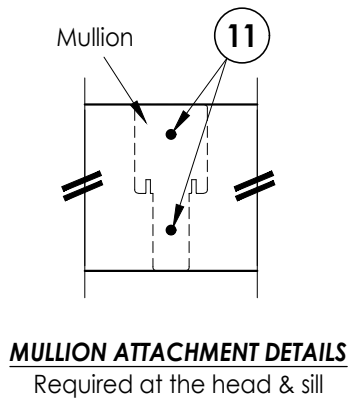
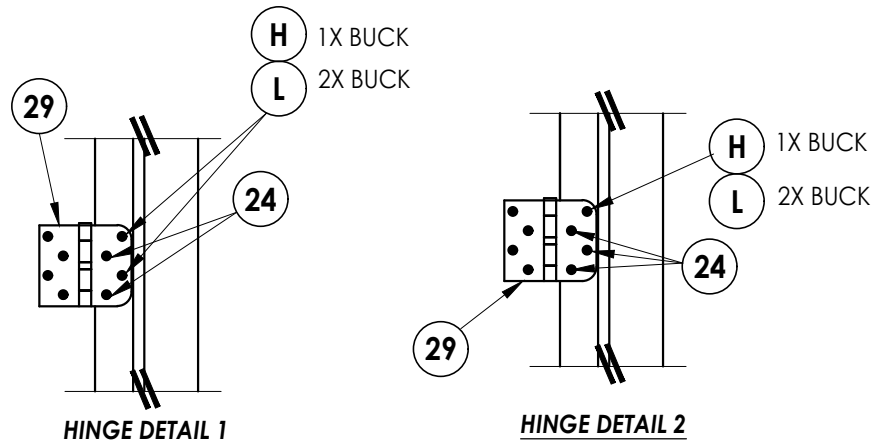
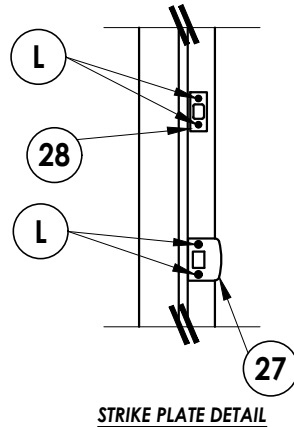
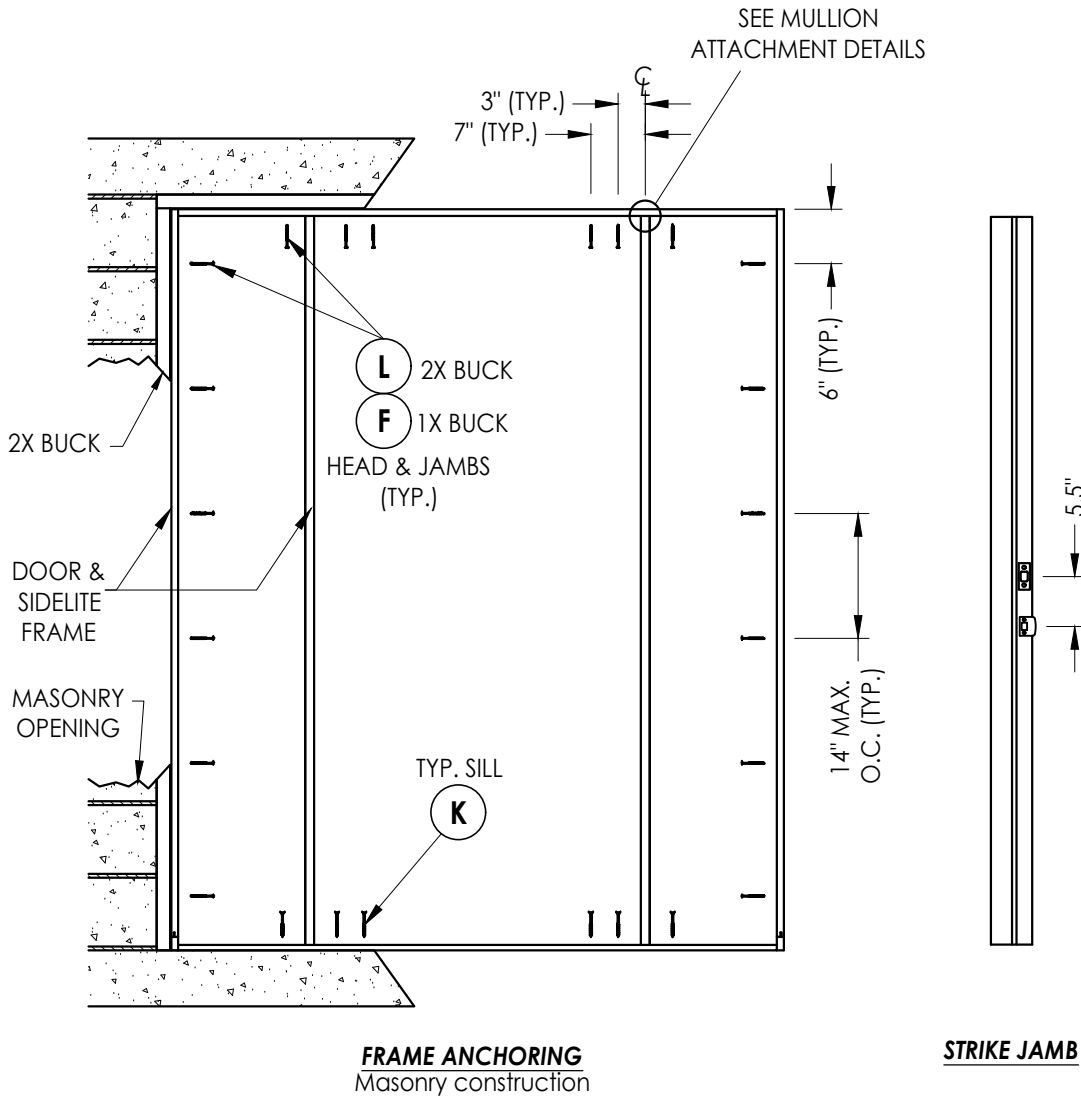
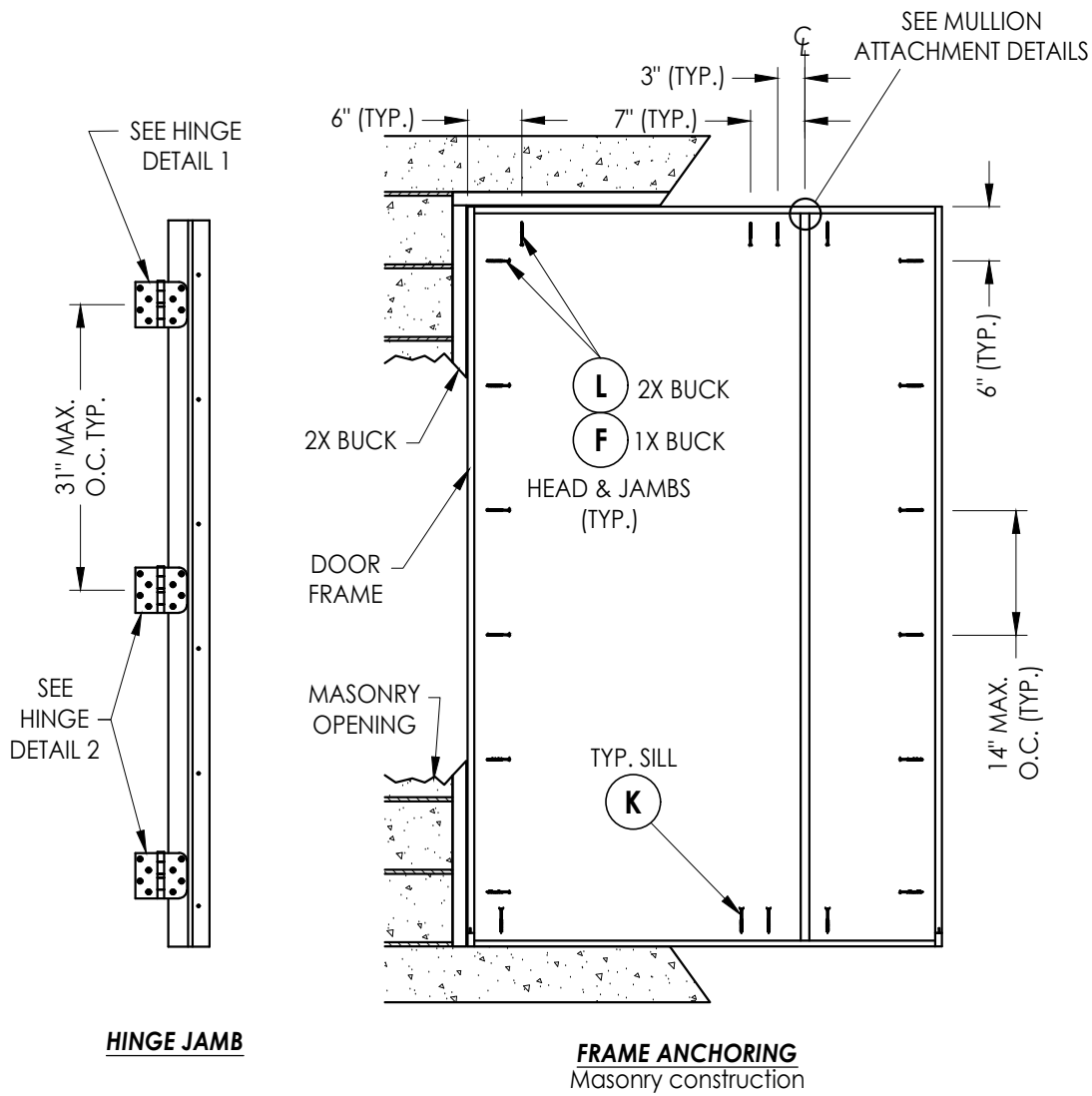
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1	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
NO.	DATE			BY	

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

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



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PRODUCT: TRINITY GLASS INT'L COMPONENTS		PART OR ASSEMBLY: FRAME ANCHORING				
		2	8/01/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
		1	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
		NO.	DATE			BY
						REVISIONS
DATE: 12/15/17						
SCALE: N.T.S.						
DWG. BY: JK						
CHK. BY: LFS						
DRAWING NO.: FL-25615.2						
SHEET 8 OF 10						

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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
H	3/16" X 3-1/4" 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	STEEL
P	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	JAMB (TRINITY)	WOOD
3	INTEGRAL MULLION (TRINITY)	PVC
5	MULLION BASE KIT	PVC
7	WEATHERSTRIP QEBD650 Q-LON	FOAM
8	DOOR BOTTOM SWEEP	PVC
9	#6 X 1-1/4 PFH DRYWALL SCREW	STEEL
11	#9 X 2-1/4" PFH SMS	STEEL
19	SILLKEY	ABS
24	#10 X 3/4" PFH SMS	STEEL
27	STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
31	INSWING THRESHOLD (TRINITY) ALUMINUM w/ COMPOSITE SUBSTRATE	ALUM./ COMP.
32	SIDELITE SPACER - INSWING (TRINITY)	PVC
33	OUTSWING HIGH-DAM THRESHOLD (TRINITY) ALUMINUM w/ COMPOSITE SUBSTRATE	ALUM./ COMP.
34	SIDELITE SPACER - OUTSWING (TRINITY)	PVC
40	DOOR PANEL (BY OTHERS - SEE GENERAL NOTE 5, SHEET 1)	-
50	SIDELITE PANEL (BY OTHERS - SEE GENERAL NOTE 5, SHEET 1)	-
62	QUARTER ROUND	PVC

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 TAPCON®	3/16"	1-1/4"	3"	1-1/2"
ITW TAPCON®	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.

						Documents Prepared By:	
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PRODUCT:		TRINITY GLASS INT'L COMPONENTS				PART OR ASSEMBLY:	
						BILL OF MATERIALS	
					LFS		
					LFS		
					BY		
					REVISIONS		
		2	8/01/23	UPDATE TO 8TH ED.	(2023)	FBC	
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SHEET 10 OF 10							