

"Lighthouse"

GLAZED FIBERGLASS DOOR

w/ or w/out SIDELITE(S)

"NON-IMPACT"

INSWING / OUTSWING

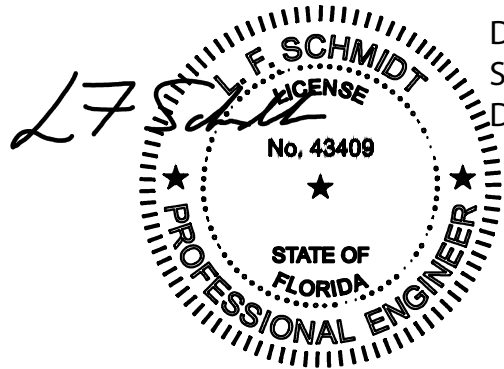
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 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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7	Horizontal and vertical cross sections (Direct to Masonry)
8	Horizontal cross sections
9	Vertical cross sections
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11	Buck anchoring (OX/XO & OXO)
12	Frame anchoring (OX/XO & OXO)
13	Components
14	Bill of materials



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)		DESIGN PRESSURE (PSF)	
		INSWING		OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 81.63"	+55.0	-60.0	+55.0	-55.0
OX/XO	54.0" x 81.63"	+55.0	-60.0	+55.0	-55.0
OXO	70.5" x 81.63"	+55.0	-60.0	+55.0	-55.0



Digitally signed by Lyndon F Schmidt
Date: 2026.07.02 08:10:51 -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

DATE: 12/8/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-25575.1

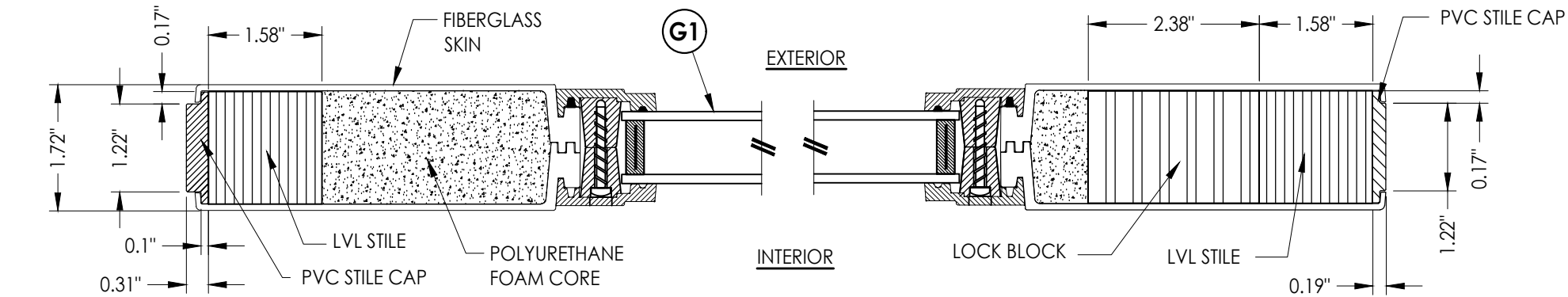
SHEET 1 OF 14

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

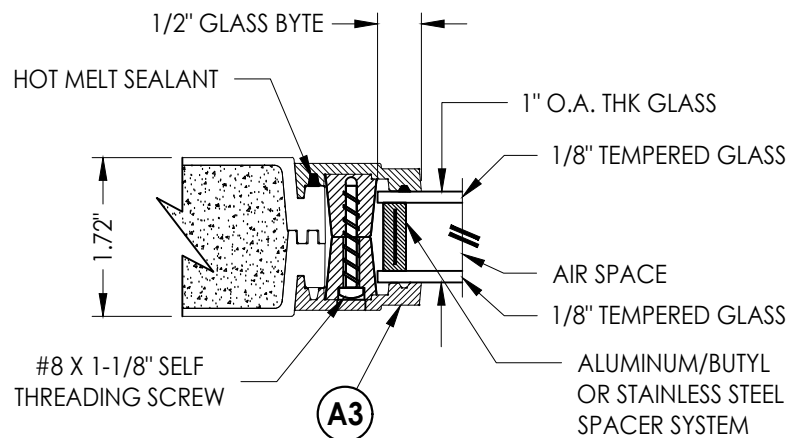
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

REVISIONS

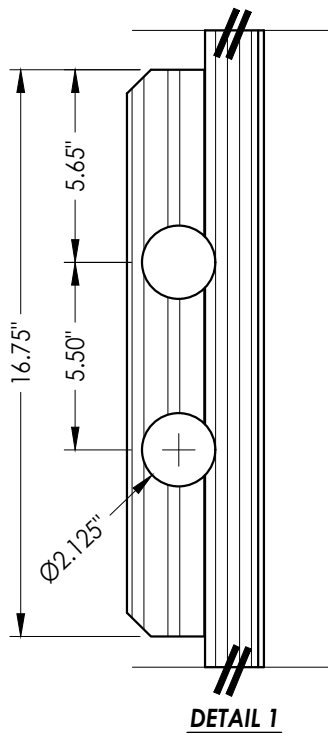
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1
2 HORIZONTAL CROSS SECTION

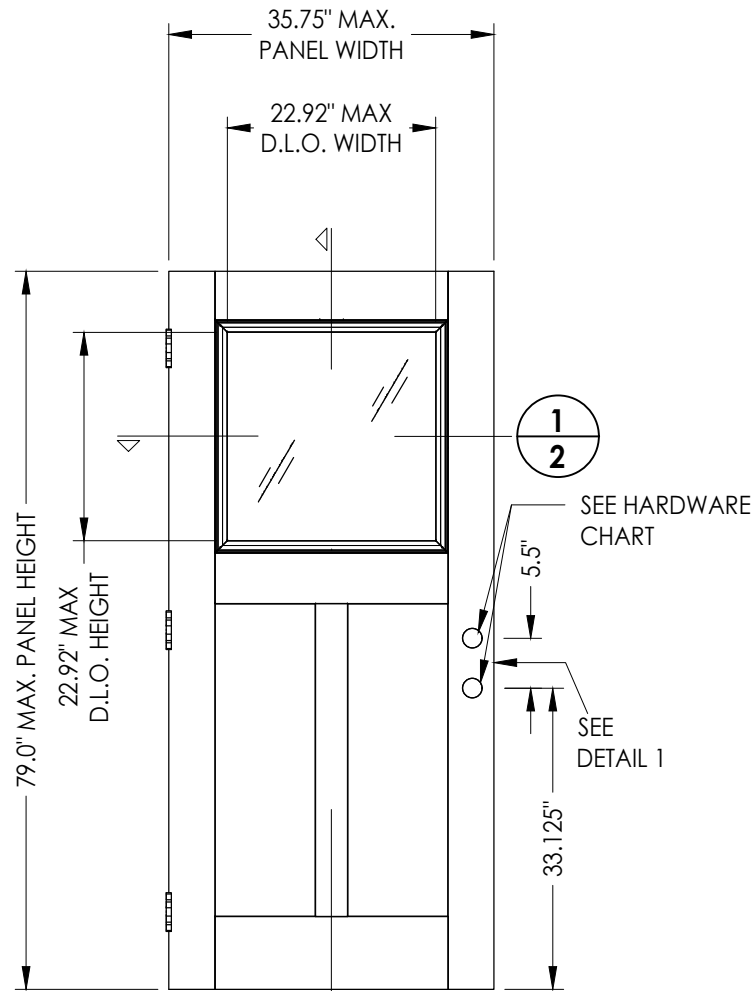


G1 GLAZING DETAIL



DETAIL 1

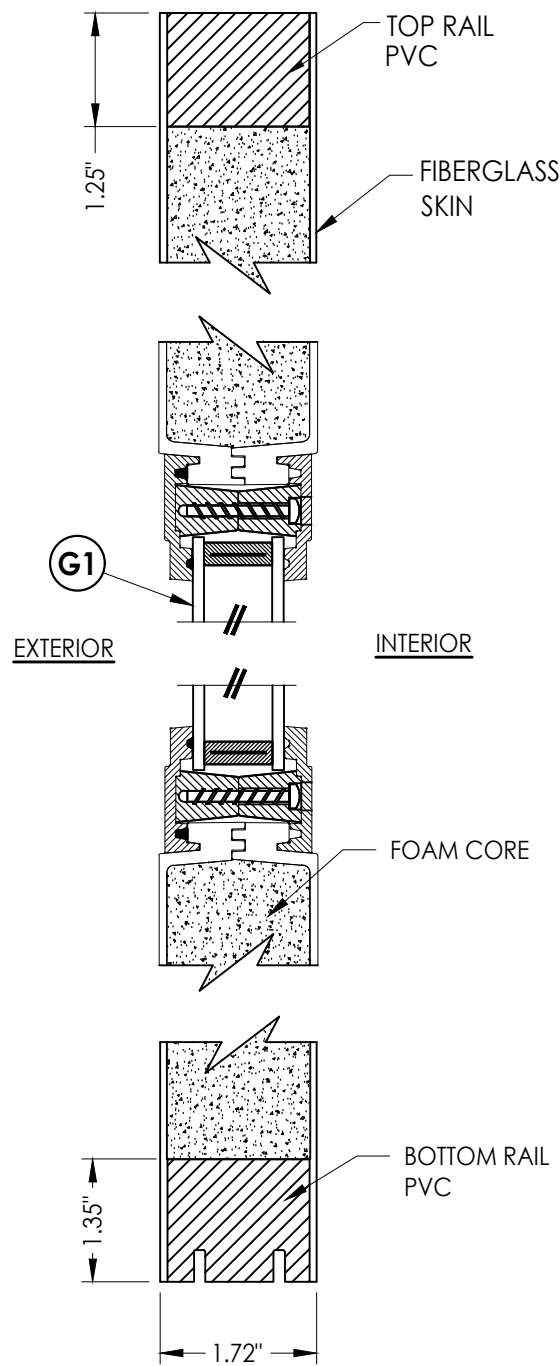
HARDWARE CHART		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
SCHLAGE	KNOB:	F SERIES
	DEADBOLT:	B60 SERIES



2
2

40 GLAZED DOOR
Lighthouse

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



2
2 VERTICAL CROSS SECTION

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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

						REVISIONS	
						NO.	DATE
4	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
3	8/01/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
2	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	DAC			
1	2/04/20	DEFINE MODEL DESCRIPTION	RW	RW			

DATE: 12/8/17

SCALE: N.T.S.

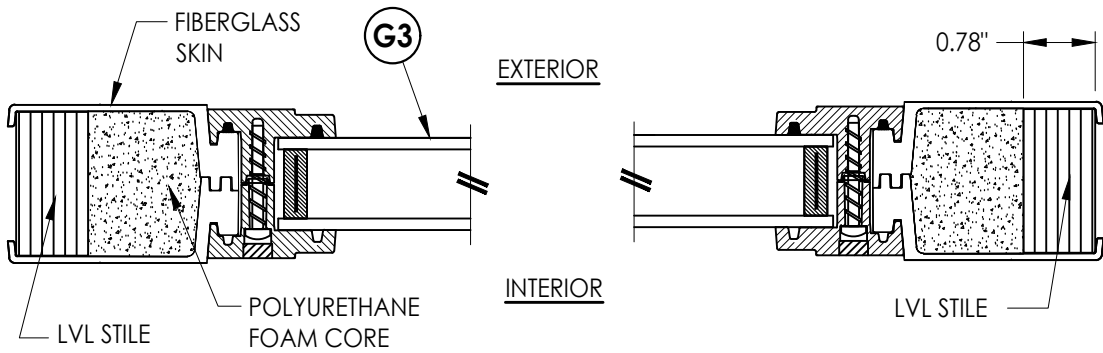
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CHK. BY: LFS

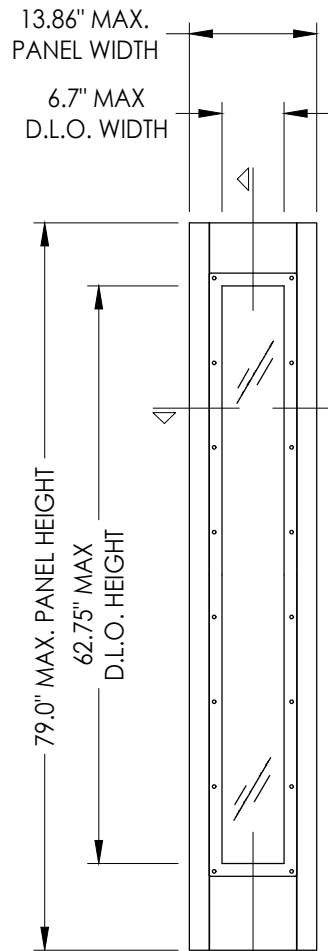
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SHEET 2 OF 14

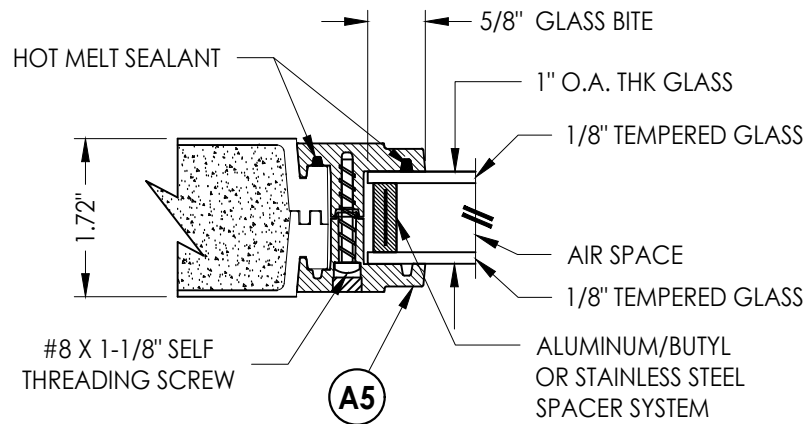
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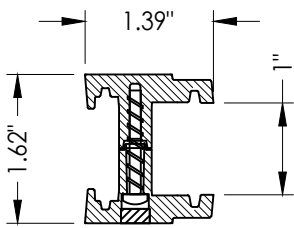
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3 HORIZONTAL CROSS SECTION



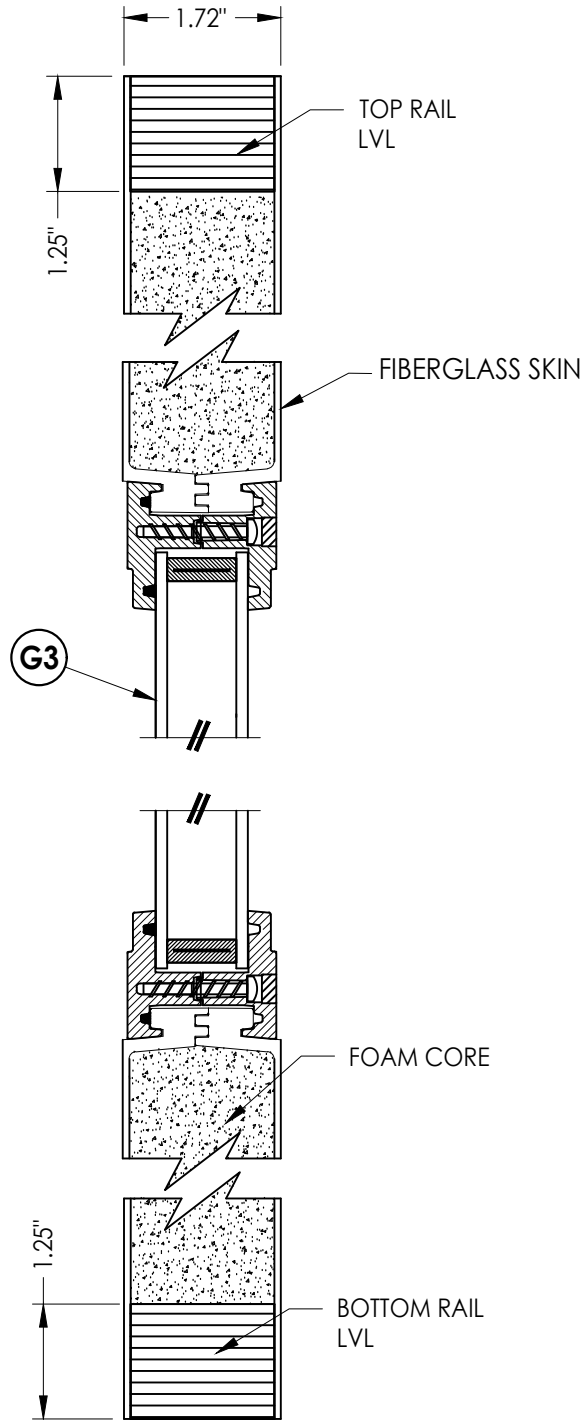
70 SIDELITE PANEL



G3 GLAZING DETAIL



A5 FRAME
ABS



2
3 VERTICAL CROSS SECTION

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

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PRODUCT:
TRINITY GLASS INT'L

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

NO.	DATE	REVISIONS
4	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
3	8/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
1	2/04/20	DEFINE MODEL DESCRIPTION RW

DATE: 12/8/17

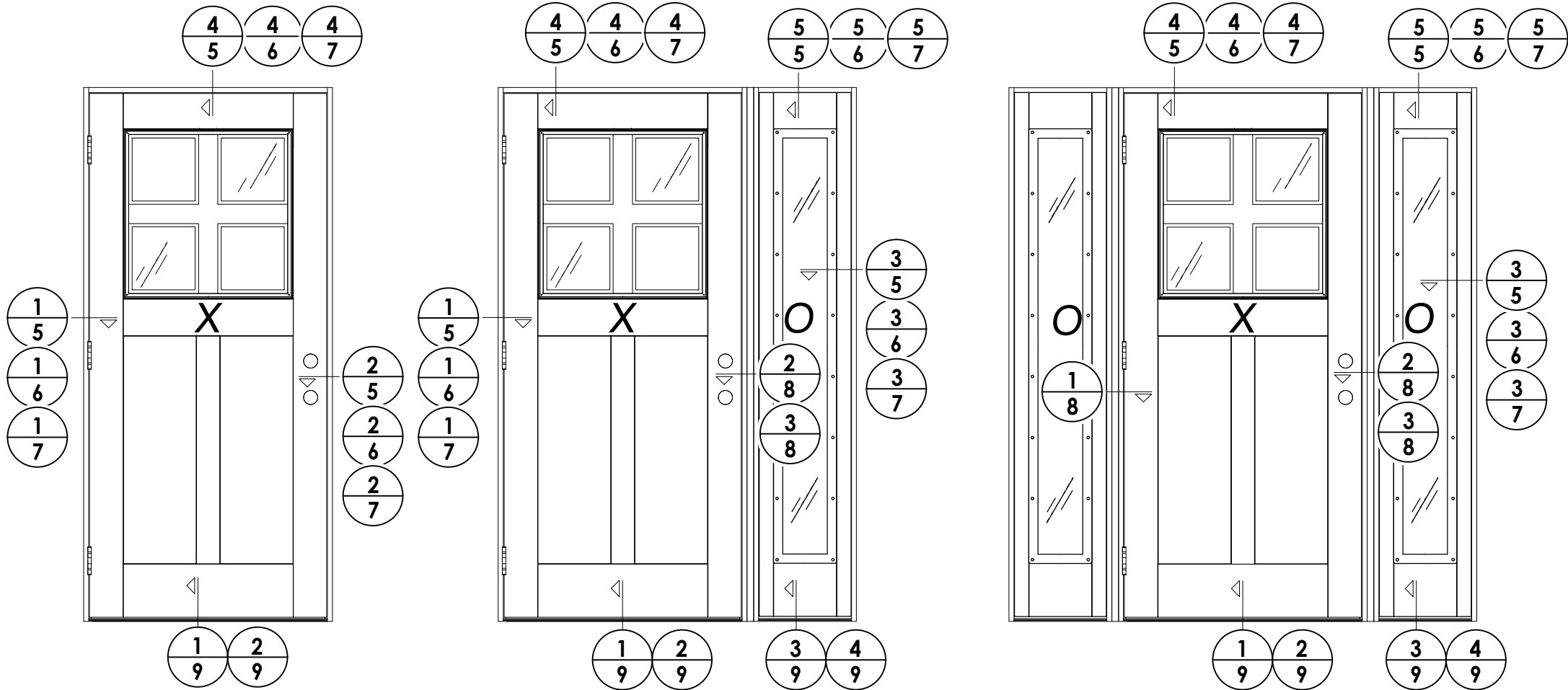
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DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-25575.1

SHEET 3 OF 14



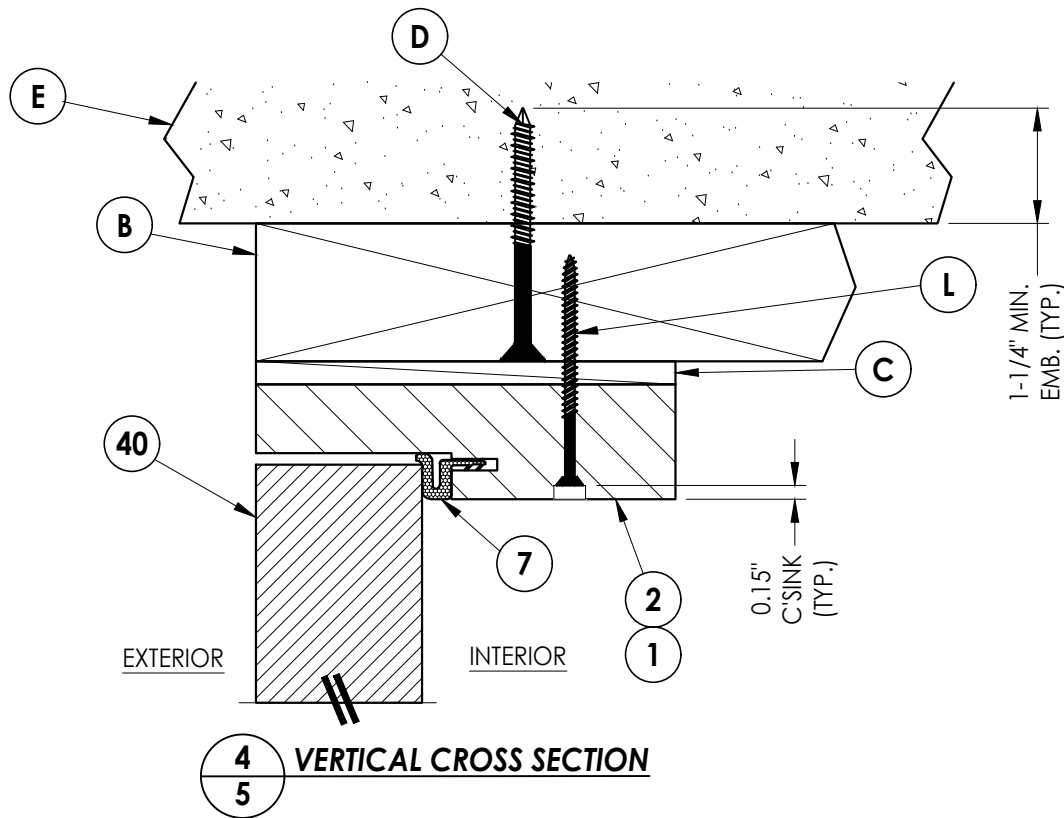
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DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-25575.1
SHEET 4 OF 14

NO.	DATE	REVISIONS
4	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
3	8/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
1	2/04/20	DEFINE MODEL DESCRIPTION RW
		BY

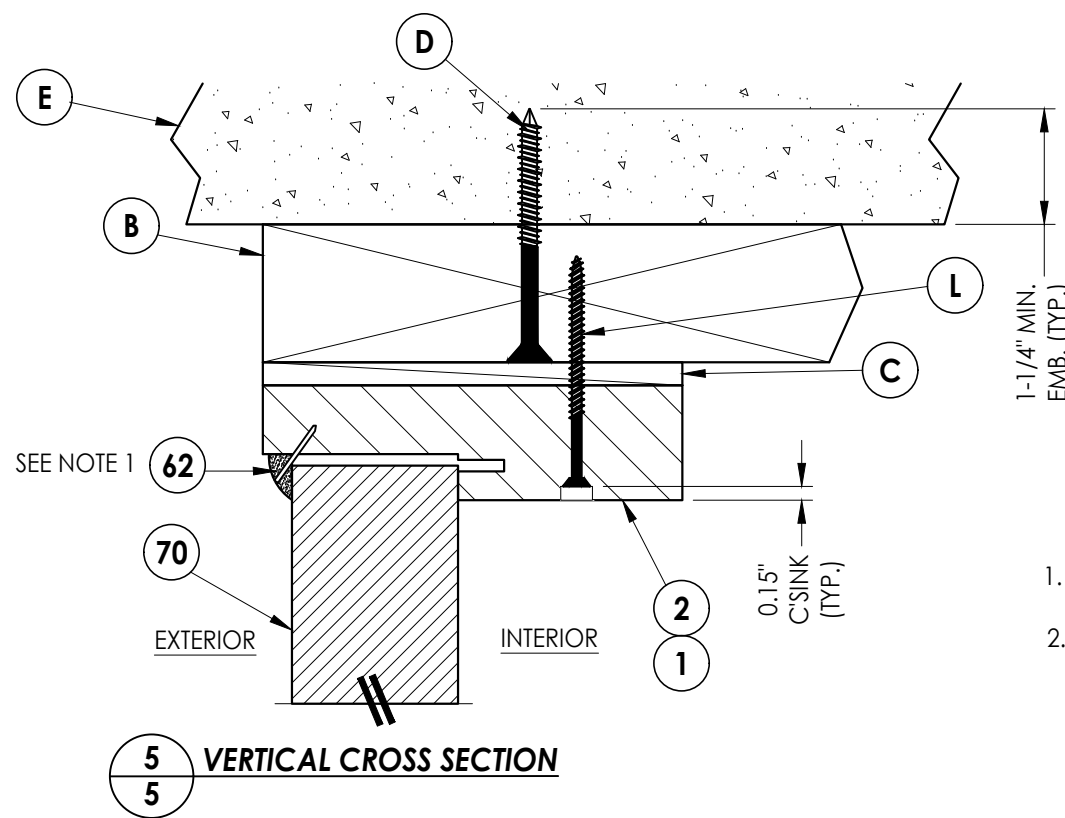
PRODUCT: TRINITY GLASS INT'L
PART OR ASSEMBLY: ELEVATIONS

Documents Prepared By:
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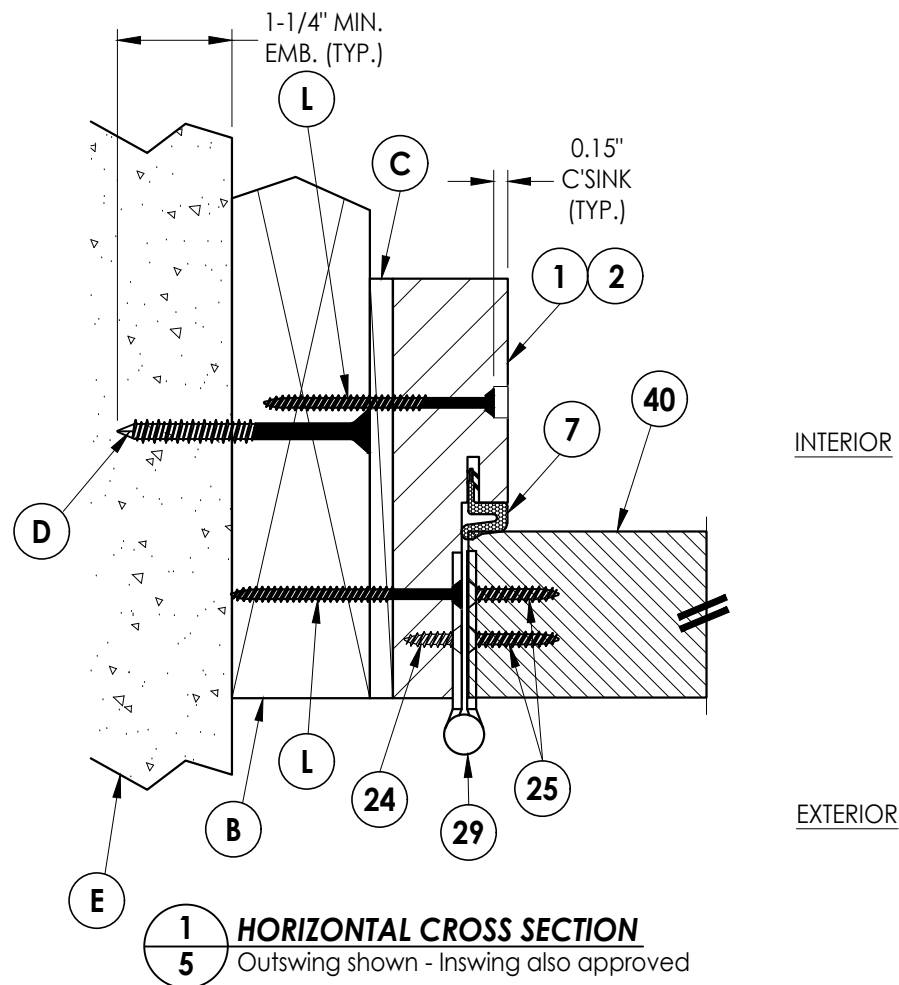
4
5 VERTICAL CROSS SECTION



5
5 VERTICAL CROSS SECTION

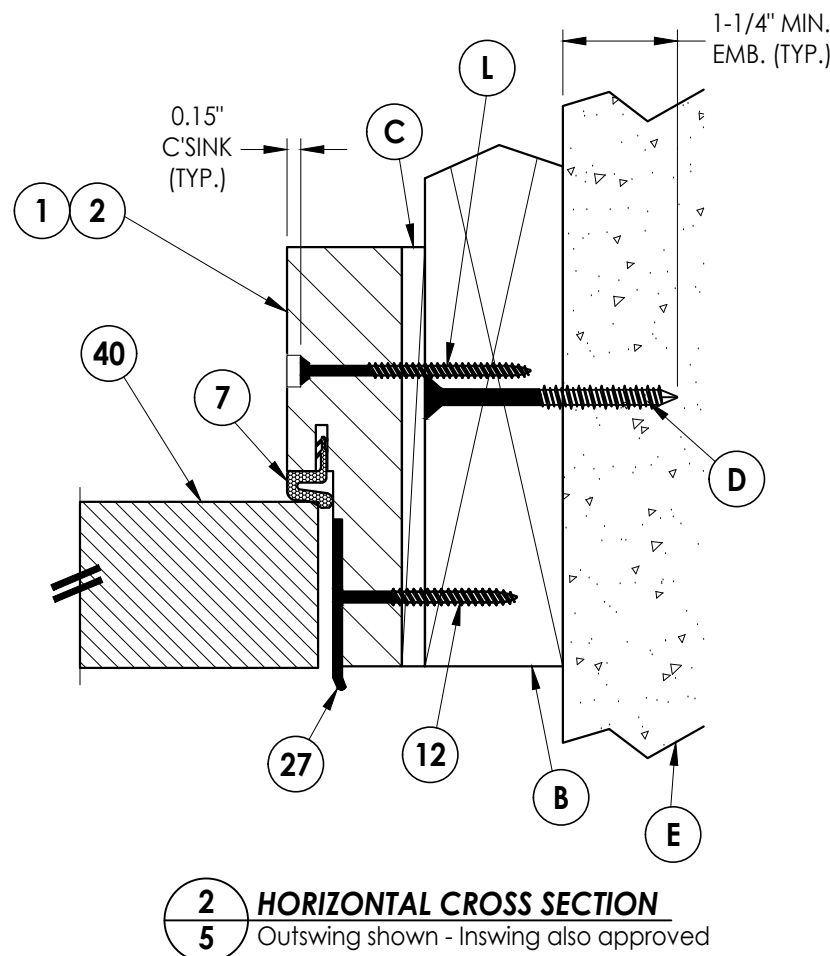
NOTE:

- Item #26 located 6" from each end and 3 more equally spaced (5 total).
- PVC Quarter round attached with 18 GA. brad nail 3" from each end then 8" on center thereafter.



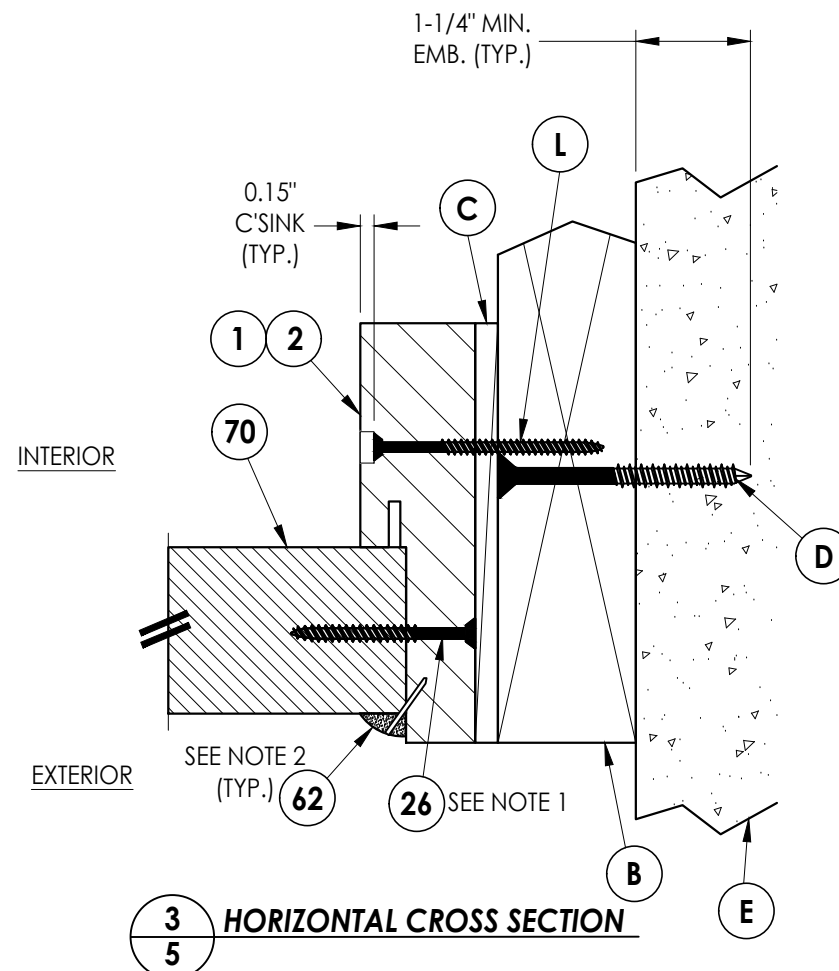
1
5 HORIZONTAL CROSS SECTION

Outswing shown - Inswing also approved



2
5 HORIZONTAL CROSS SECTION

Outswing shown - Inswing also approved



3
5 HORIZONTAL CROSS SECTION

Documents Prepared By:
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P.E. No. 43409

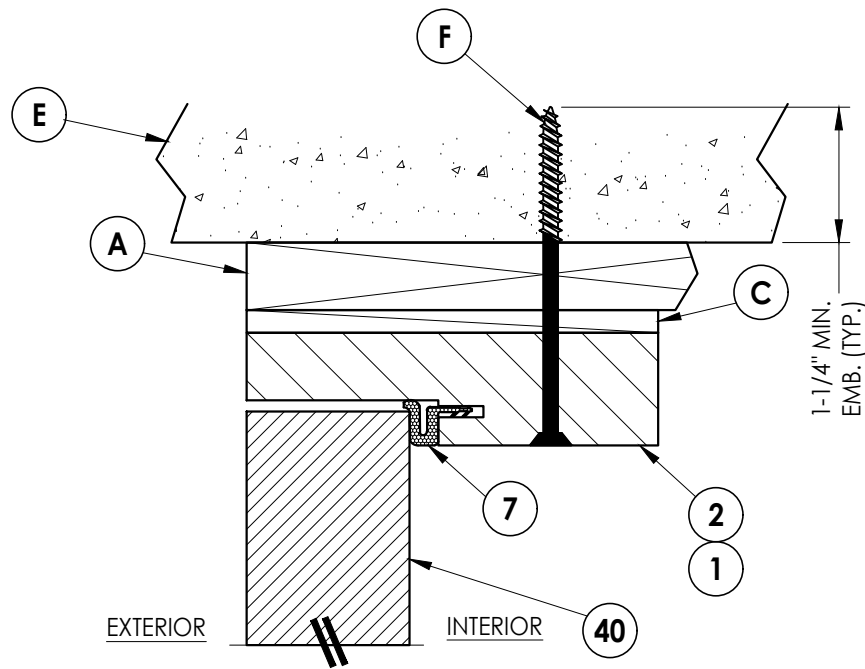
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L

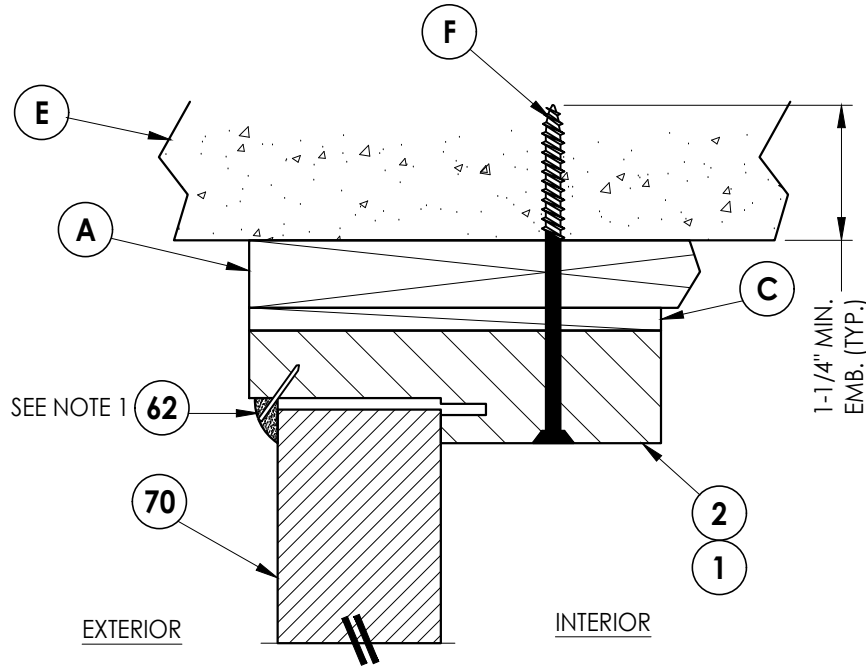
PART OR ASSEMBLY:
HORIZONTAL AND VERTICAL
CROSS SECTIONS (2X BUCK)

NO.	DATE	REVISIONS			
		DATE	BY	DESCRIPTION	
4	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
3	8/01/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
2	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
1	2/04/20	DEFINE MODEL DESCRIPTION	RW		
DATE: 12/8/17					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-25575.1					
SHEET 5 OF 14					

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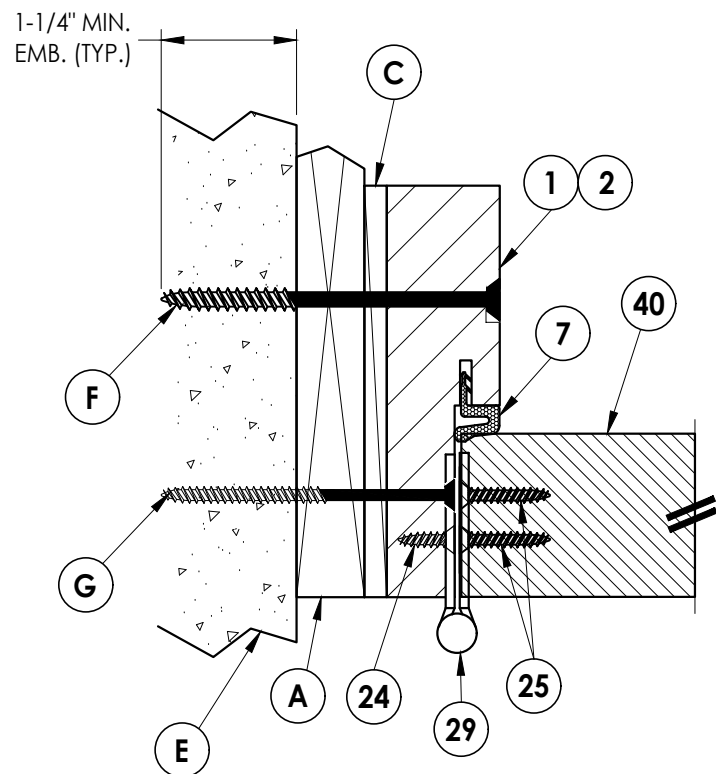
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6 VERTICAL CROSS SECTION



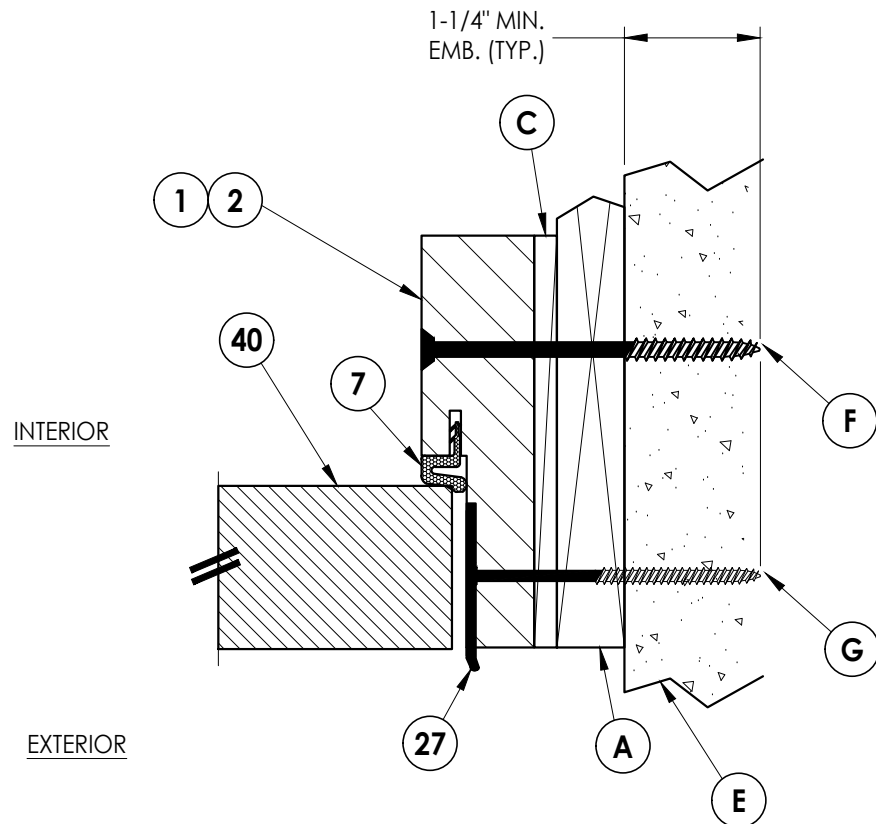
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6 VERTICAL CROSS SECTION

NOTE:

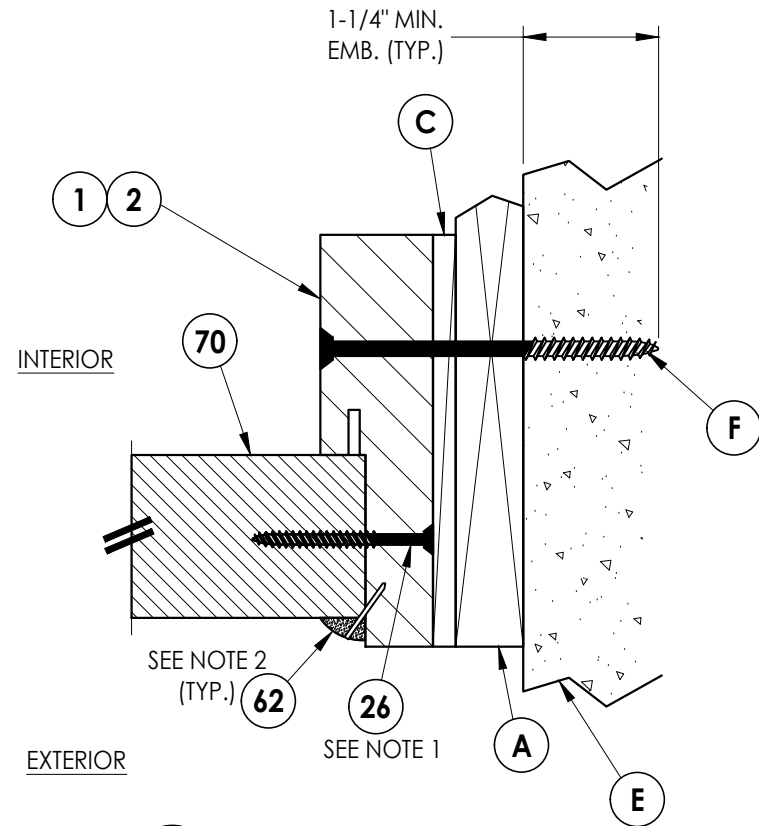
- Item #26 located 6" from each end and 3 more equally spaced (5 total).
- PVC Quarter round attached with 18 GA. brad nail 3" from each end then 8" on center thereafter.



1
6 HORIZONTAL CROSS SECTION
Outswing shown - Inswing also approved



2
6 HORIZONTAL CROSS SECTION
Outswing shown - Inswing also approved



3
6 HORIZONTAL CROSS SECTION

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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

						REVISIONS	
						NO.	DATE
	4	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS		
	3	8/01/23	UPDATE TO 8TH ED. (2023)	FBC	LFS		
	2	8/11/20	UPDATE TO 7th ED. (2020)	FBC	DAC		
	1	2/04/20	DEFINE MODEL DESCRIPTION		RW		

DATE: 12/8/17

SCALE: N.T.S.

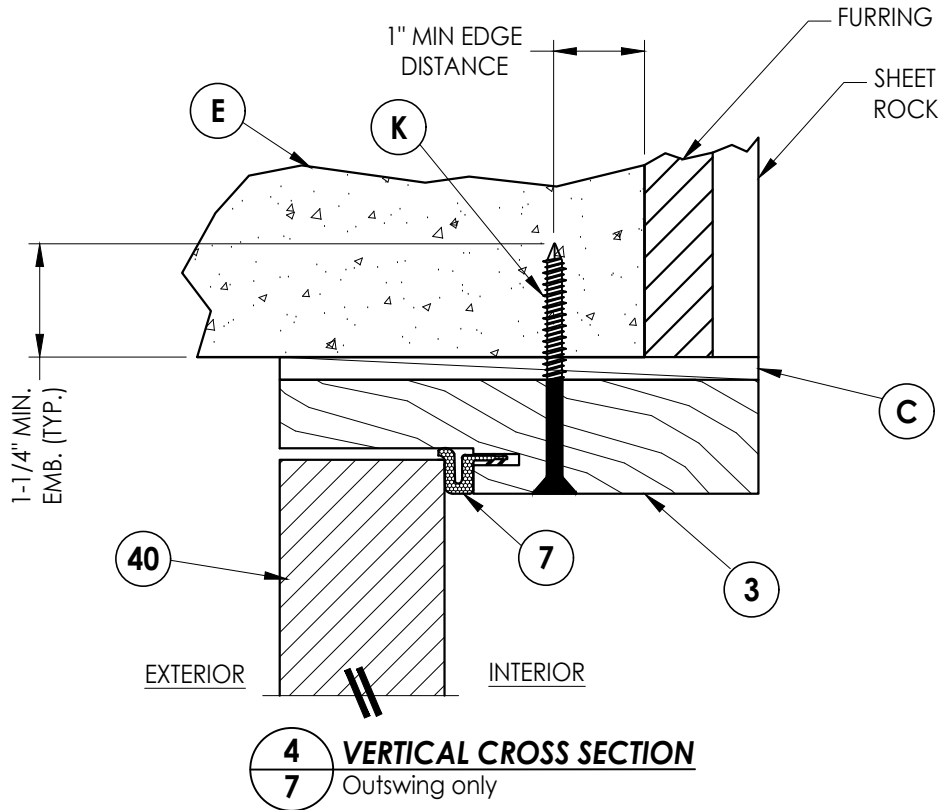
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CHK. BY: LFS

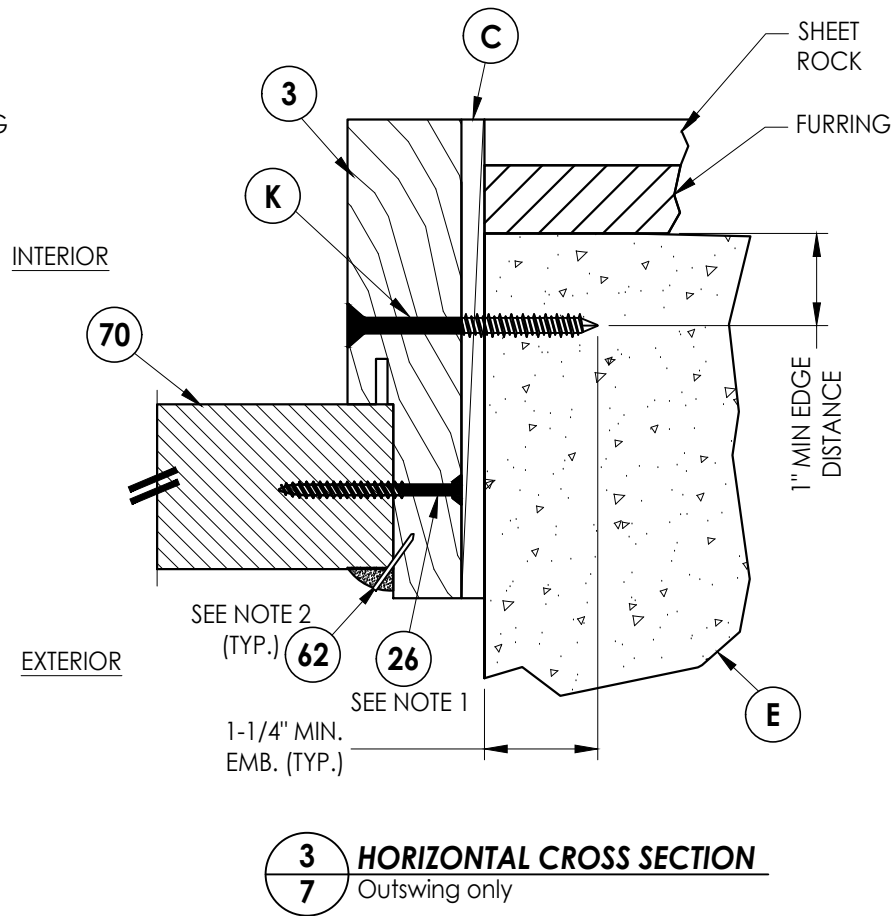
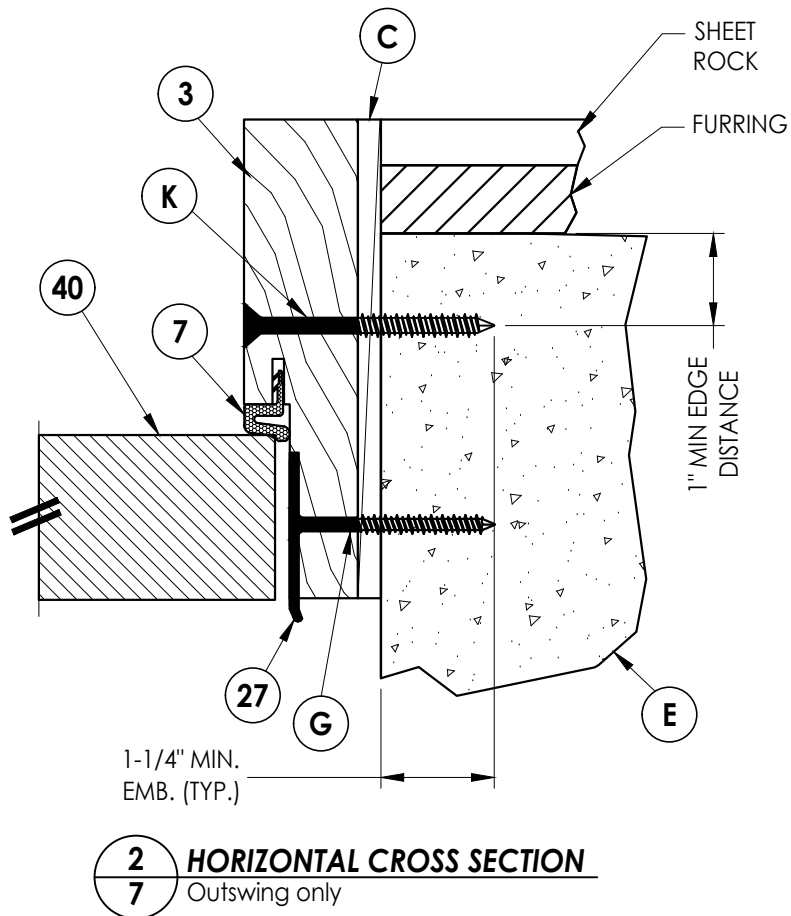
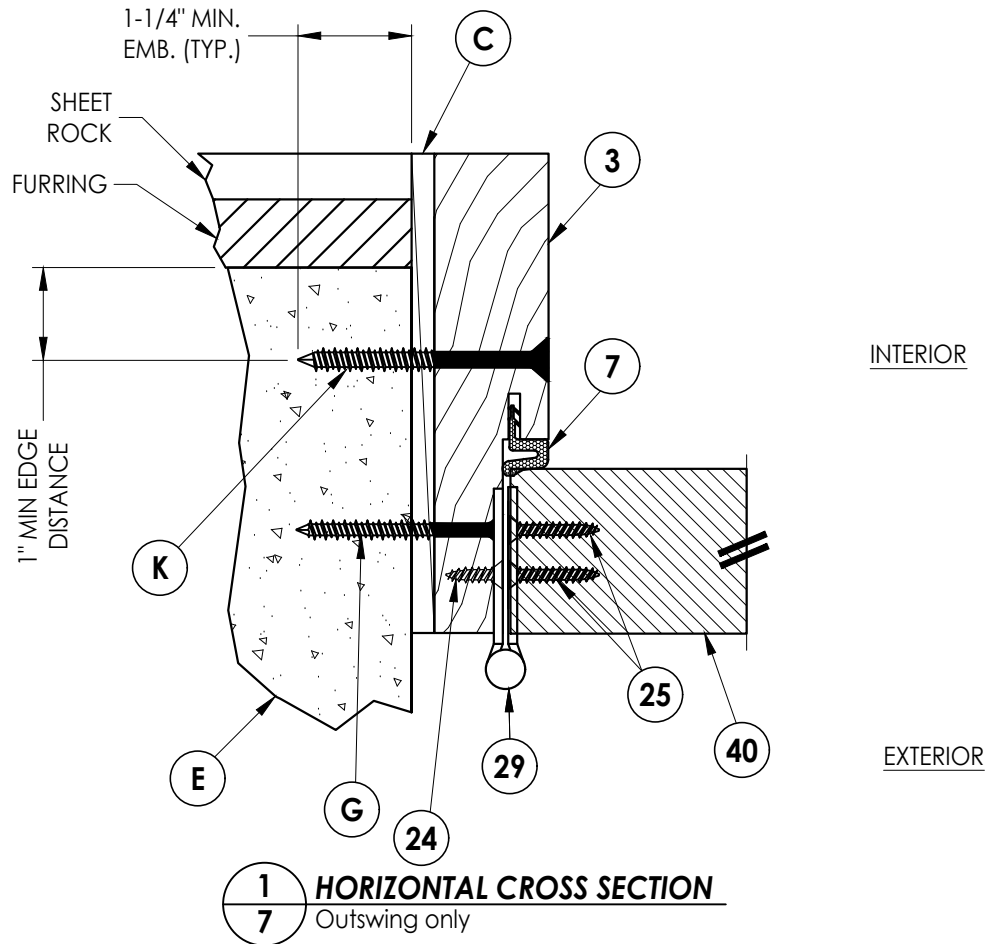
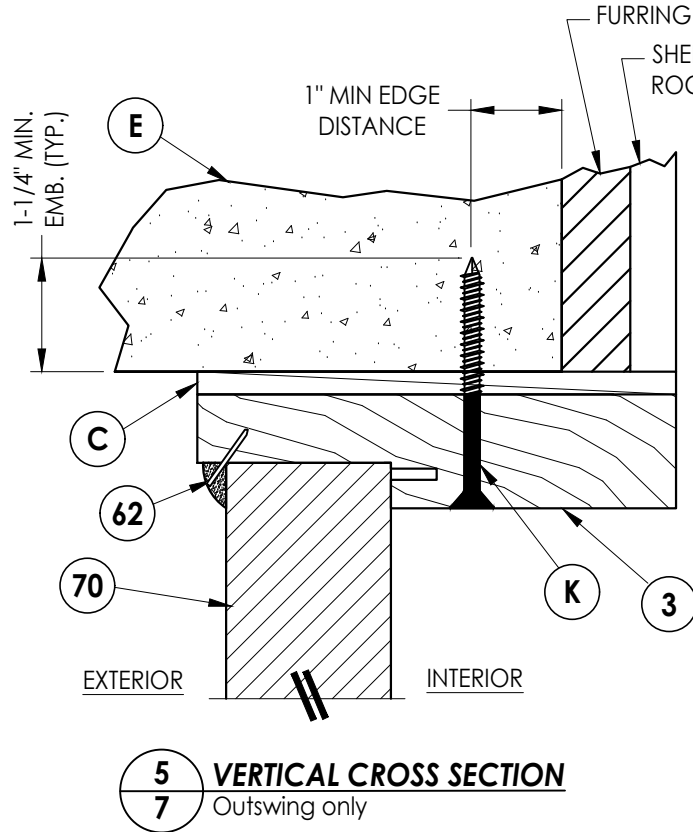
DRAWING NO.: FL-25575.1

SHEET 6 OF 14

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- NOTE:
- Item #26 located 6" from each end and 3 more equally spaced (5 total).
 - PVC Quarter round attached with 18 GA. brad nail 3" from each end then 8" on center thereafter.



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P.E. No. 43409

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FBPE Registry No. 9813

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

NO.	DATE	REVISIONS
4	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
3	8/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
1	2/04/20	DEFINE MODEL DESCRIPTION RW

DATE: 12/8/17

SCALE: N.T.S.

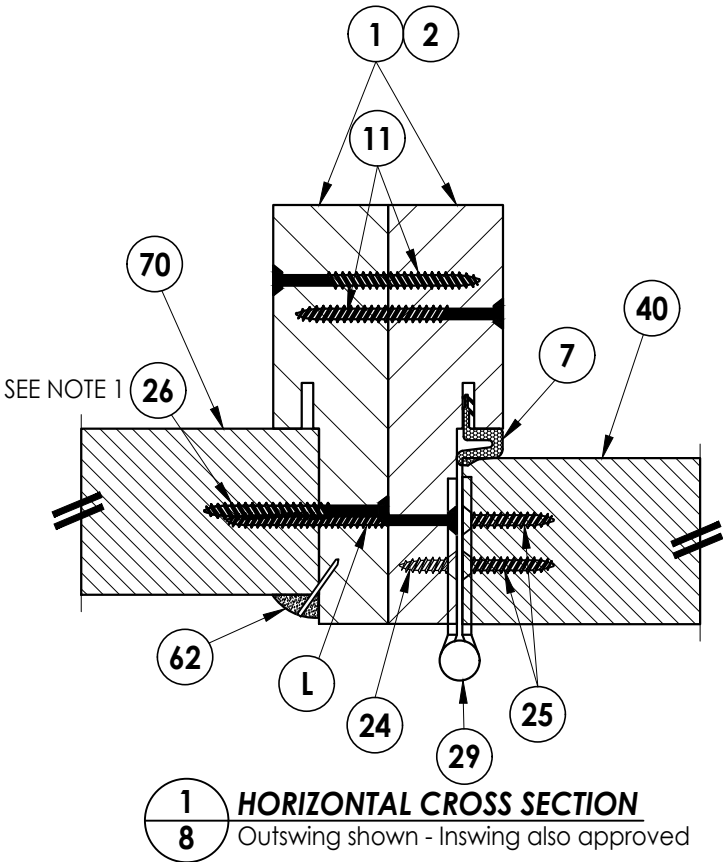
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DRAWING NO.: FL-25575.1

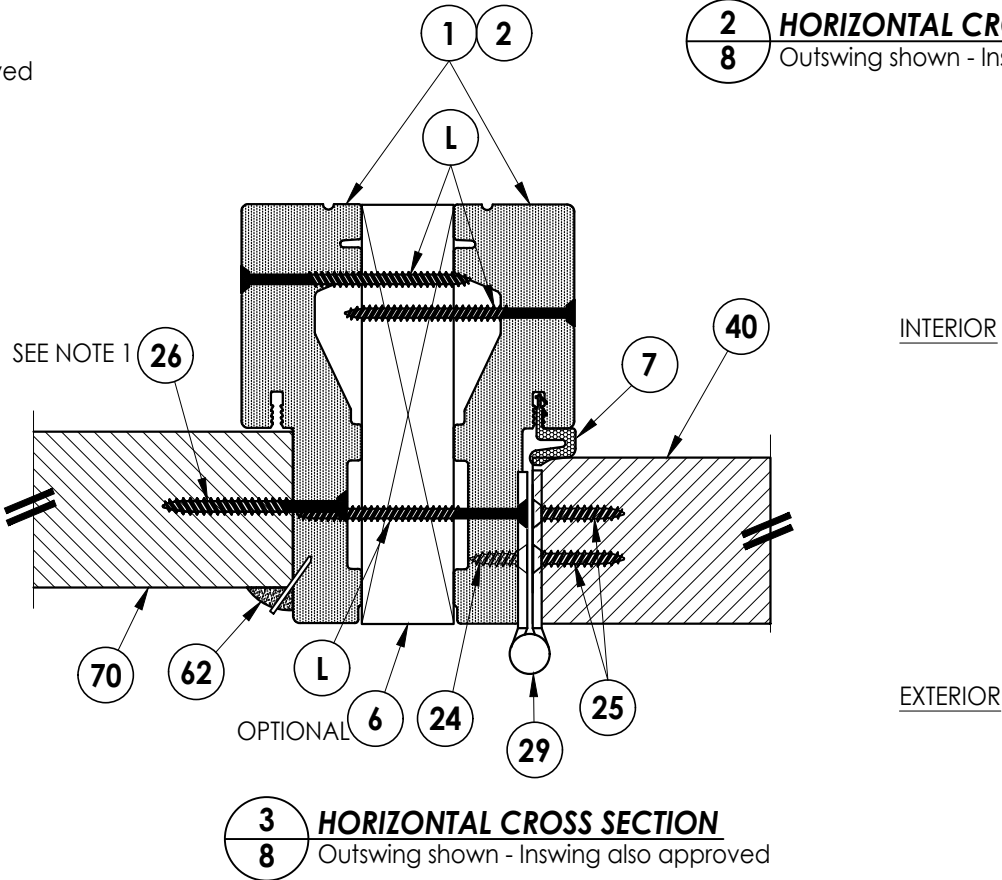
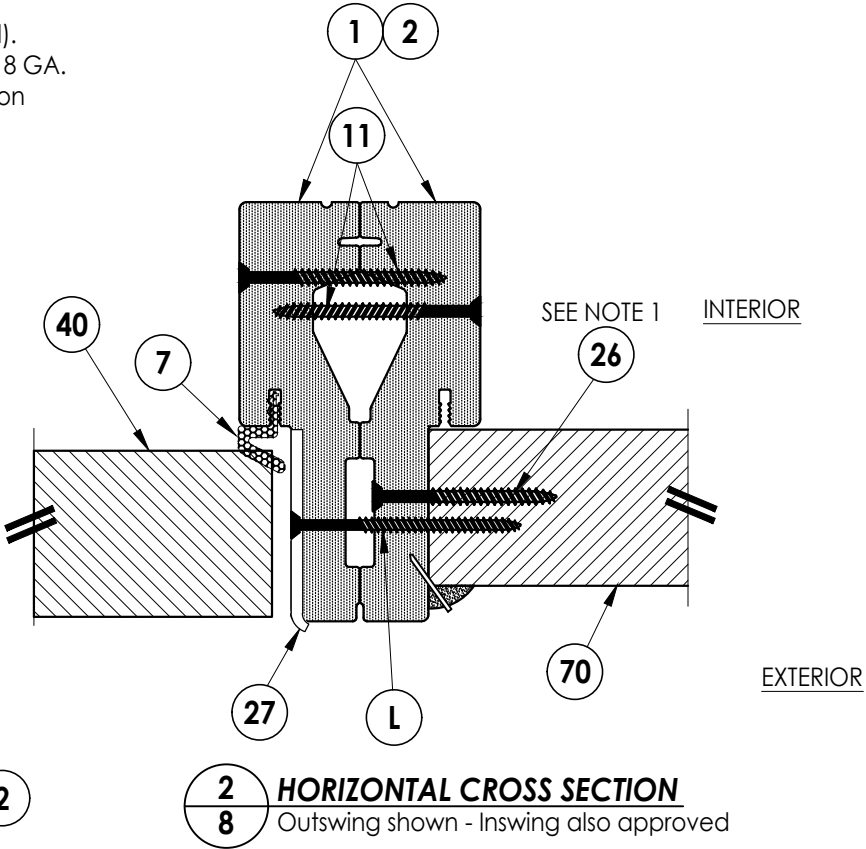
SHEET 7 OF 14

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NOTE:

1. Item #26 located 6" from each end and 3 more equally spaced (5 total).
2. PVC Quarter round attached with 18 GA. brad nail 3" from each end then 8" on center thereafter.



Documents Prepared By:
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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:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
4	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
3	8/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
1	2/04/20	DEFINE MODEL DESCRIPTION RW

DATE: 12/8/17

SCALE: N.T.S.

DWG. BY: JK

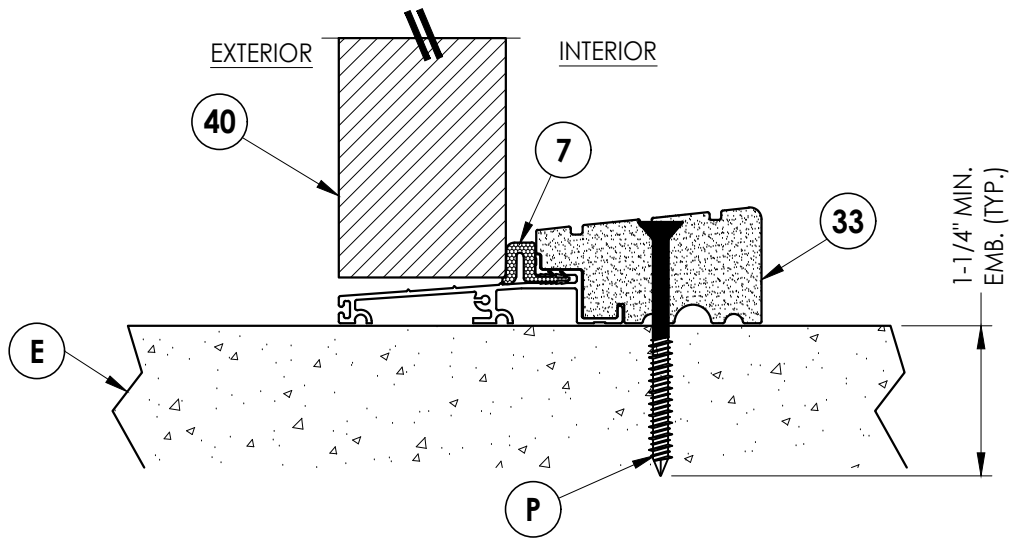
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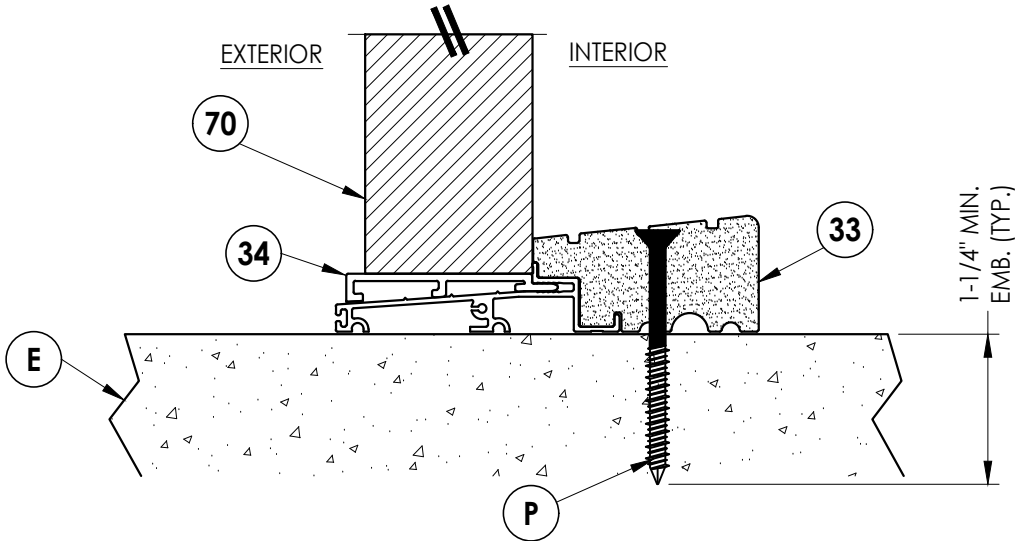
FL-25575.1

SHEET 8 OF 14

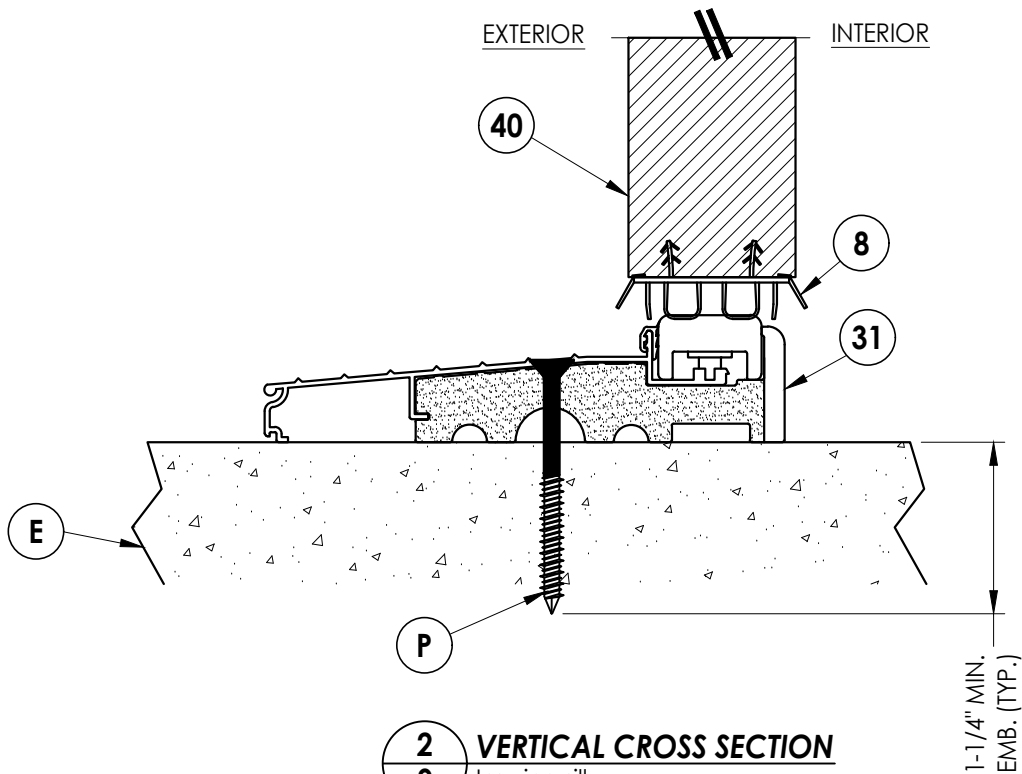
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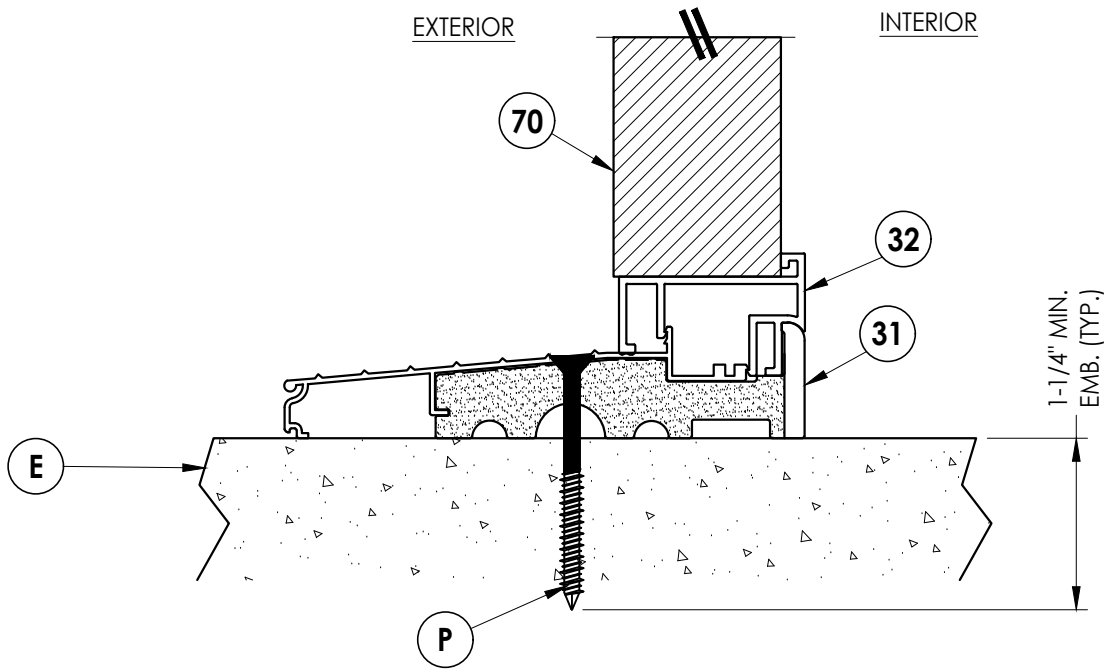
1
9 **VERTICAL CROSS SECTION**
Outswing sill - high dam



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



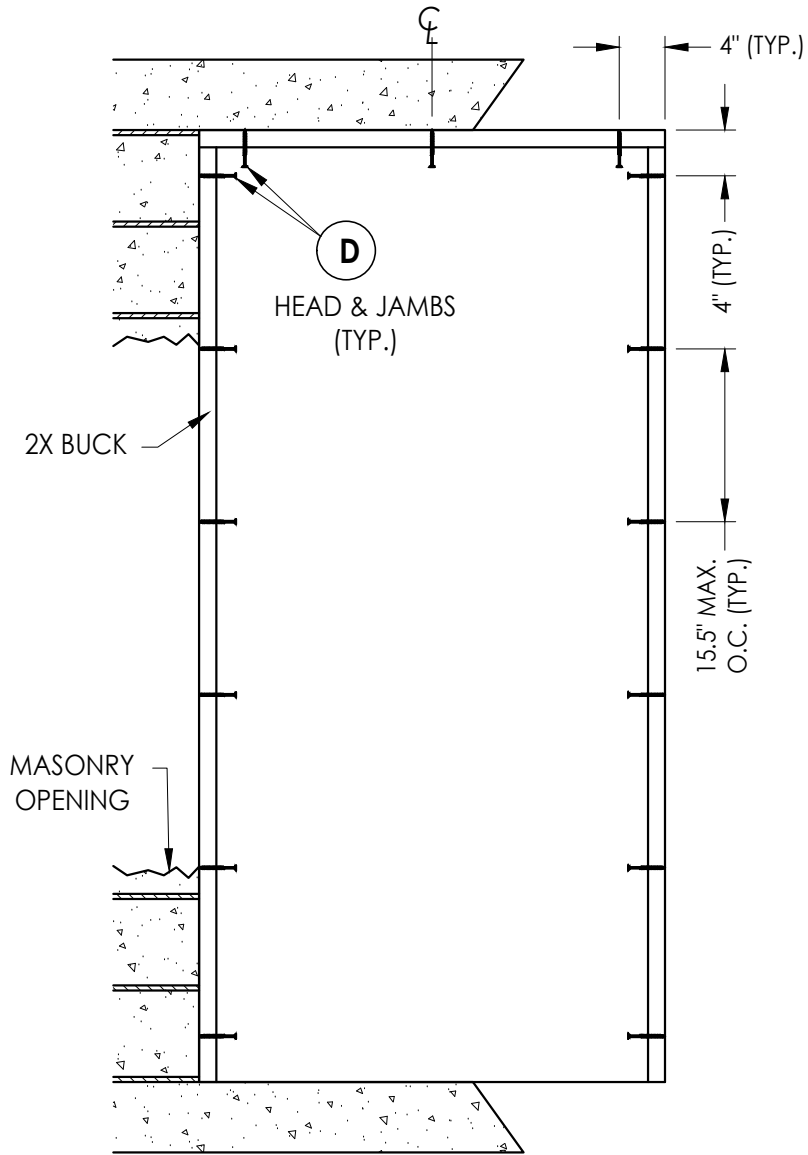
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9 **VERTICAL CROSS SECTION**
Inswing sill



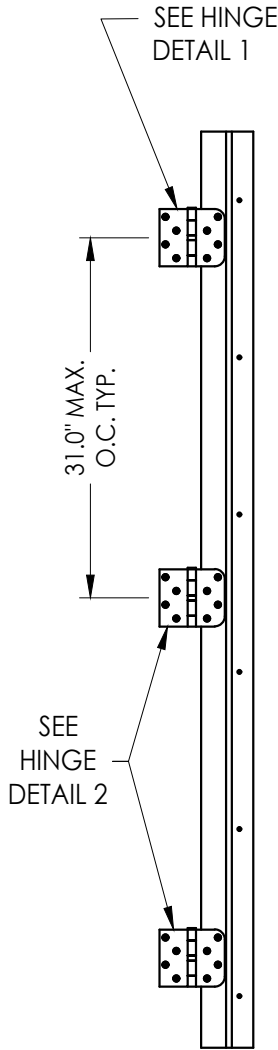
4
9 **VERTICAL CROSS SECTION**
Inswing sill

BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813									
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409									
PRODUCT:		TRINITY GLASS INT'L							
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS							
NO.		DATE		REVISIONS					
4		7/01/26		UPDATE TO 9TH ED. (2026)				LFS	
3		8/01/23		UPDATE TO 8TH ED. (2023)				LFS	
2		8/11/20		UPDATE TO 7th ED. (2020)				DAC	
1		2/04/20		DEFINE MODEL DESCRIPTION				RW	
DATE:		12/8/17							
SCALE:		N.T.S.							
DWG. BY:		JK							
CHK. BY:		LFS							
DRAWING NO.:		FL-25575.1							
SHEET		9		OF		14			

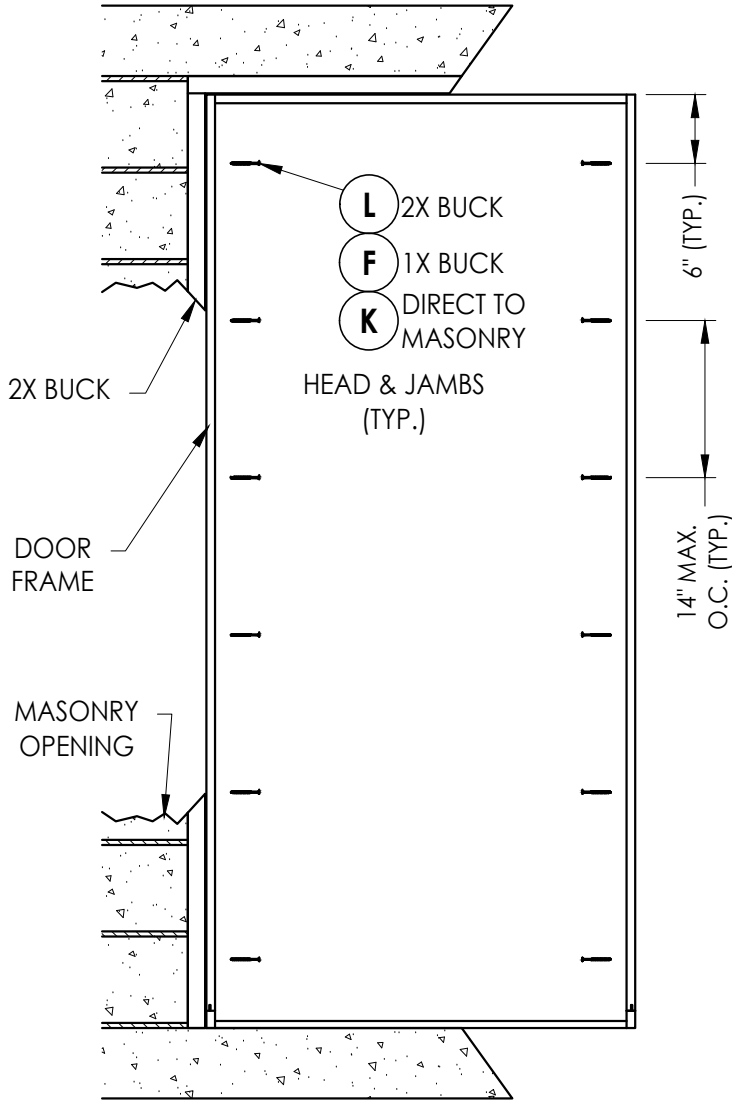
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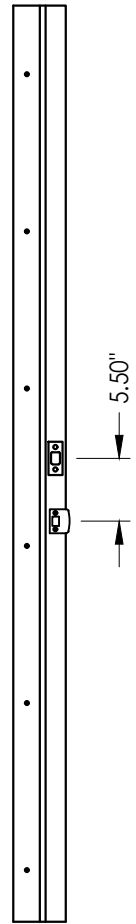
BUCK ANCHORING



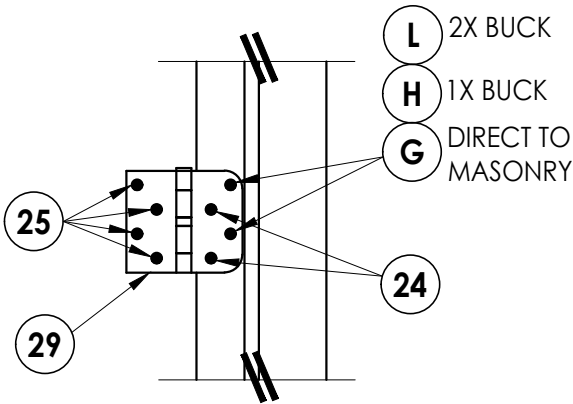
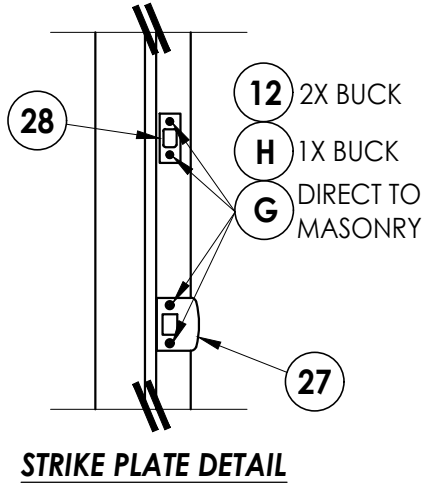
HINGE JAMB



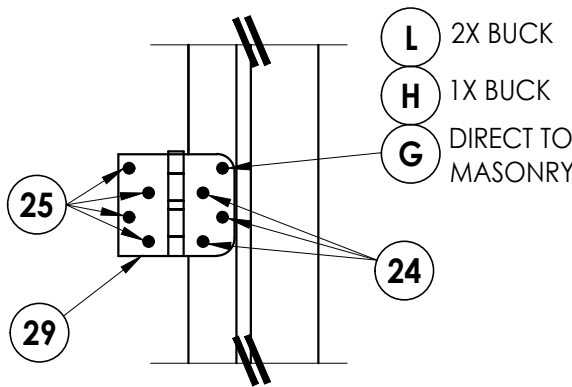
FRAME ANCHORING
Masonry construction



STRIKE JAMB



HINGE DETAIL 1



HINGE DETAIL 2

NO.	DATE	REVISIONS			
		DATE	DESCRIPTION	BY	CHK.
4	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
3	8/01/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
2	8/11/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
1	2/04/20	DEFINE MODEL DESCRIPTION		RW	

DATE: 12/8/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-25575.1

SHEET 10 OF 14

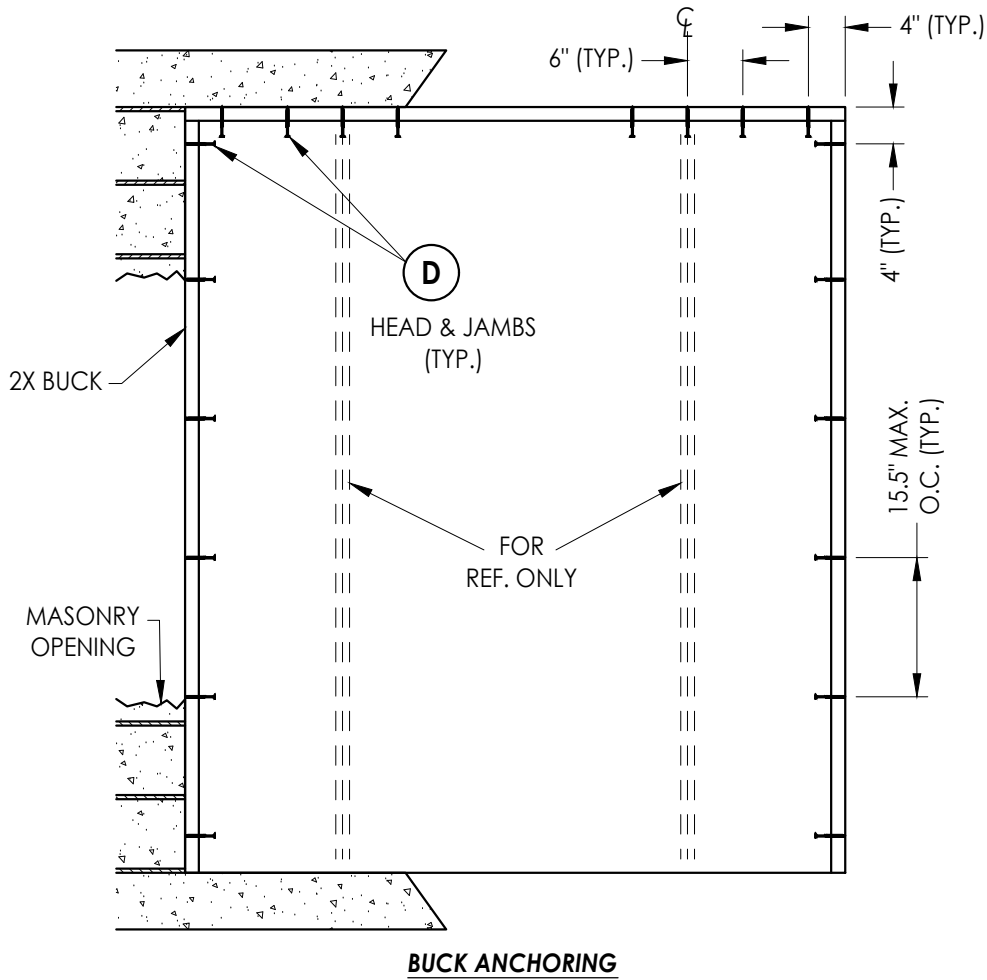
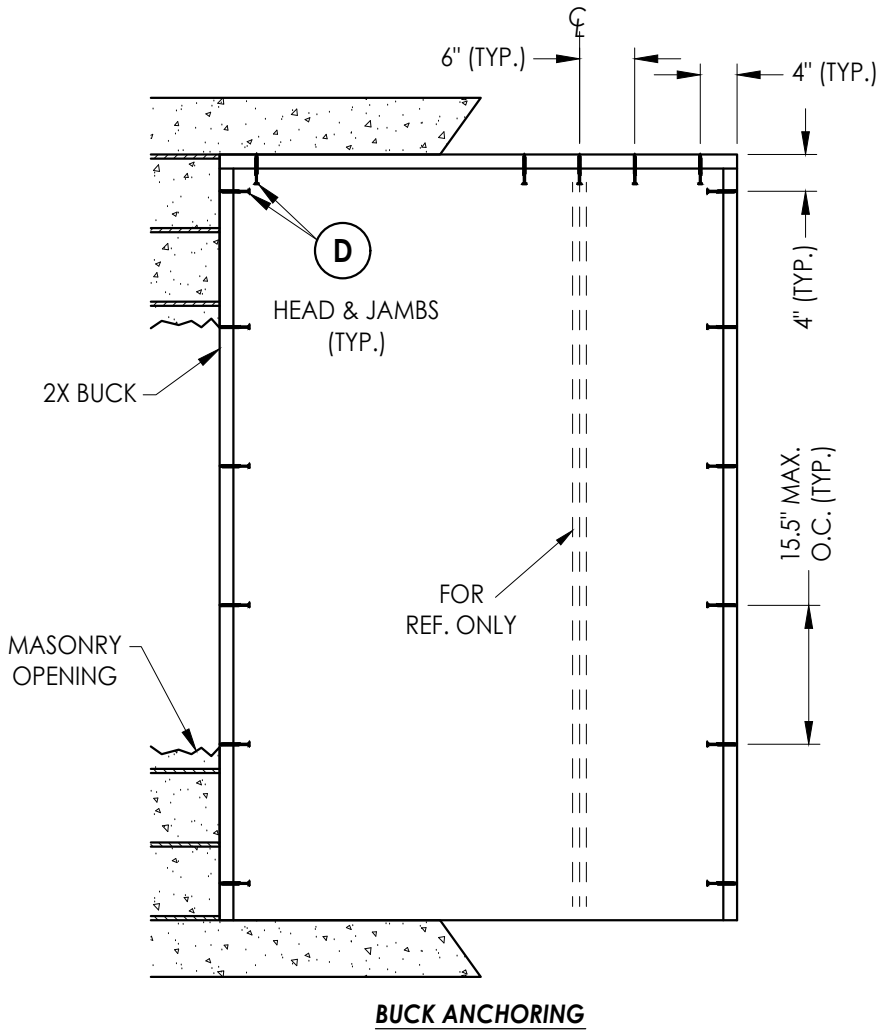
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FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY:
BUCK AND FRAME
ANCHORING (X)

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NO.	DATE	REVISIONS
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3	8/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
1	2/04/20	DEFINE MODEL DESCRIPTION RW
		BY

DATE: 12/8/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

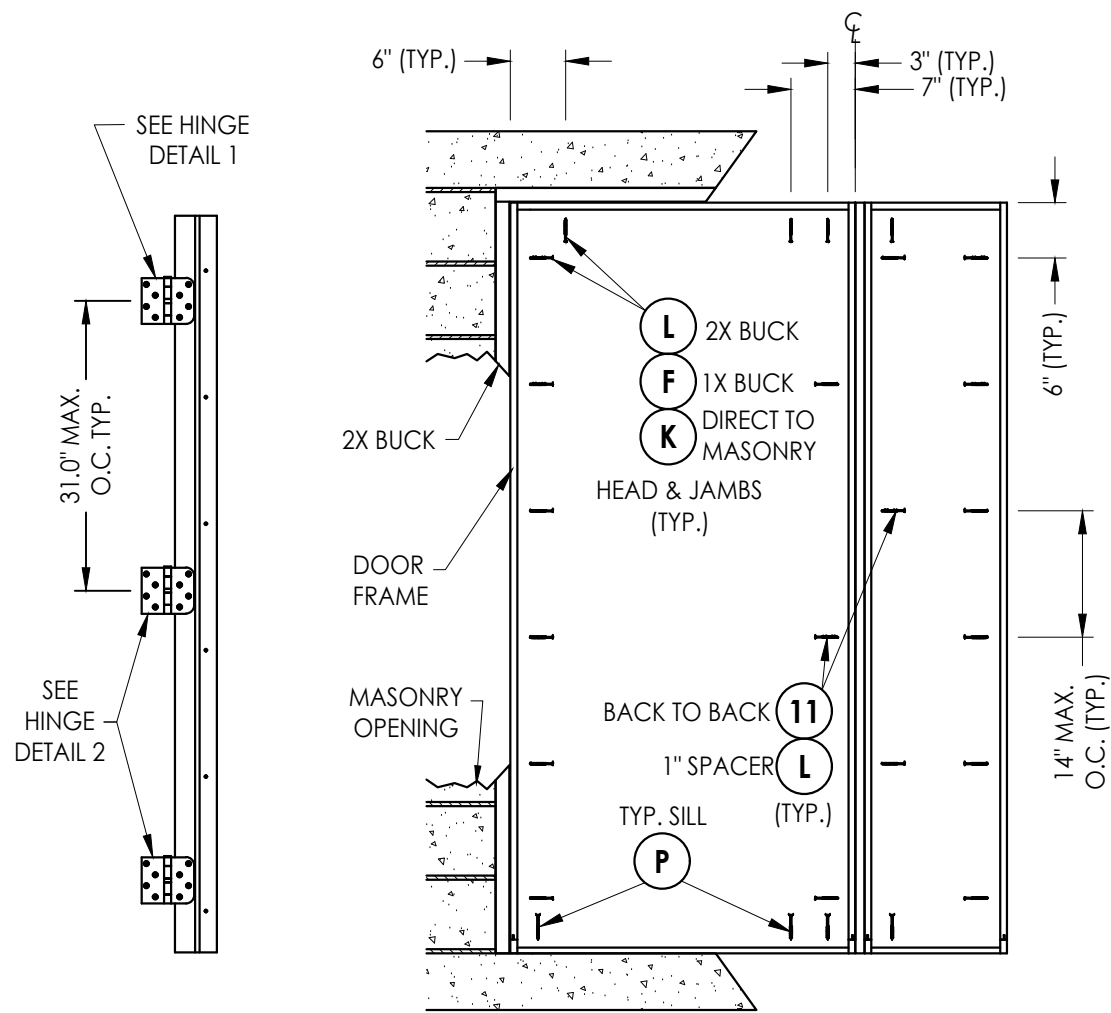
DRAWING NO.: FL-25575.1

SHEET 11 OF 14

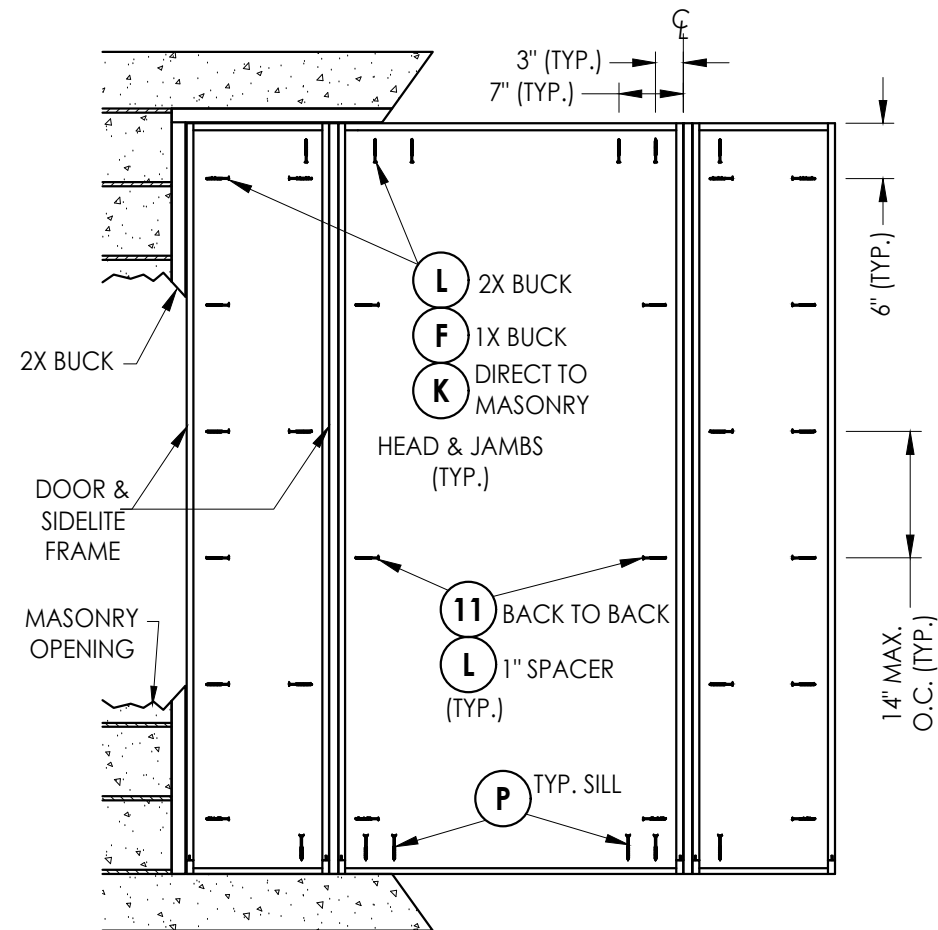
PRODUCT:	TRINITY GLASS INT'L
PART OR ASSEMBLY:	BUCK ANCHORING (OX/XO & OXO)

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

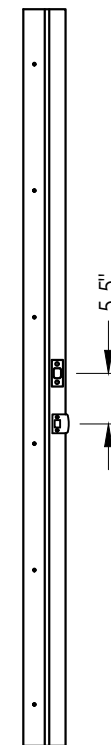
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



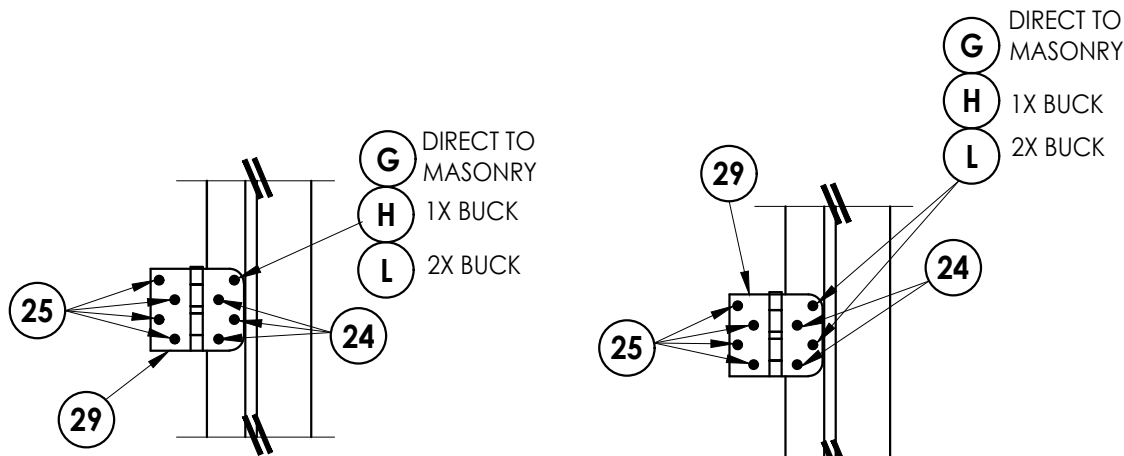
HINGE JAMB



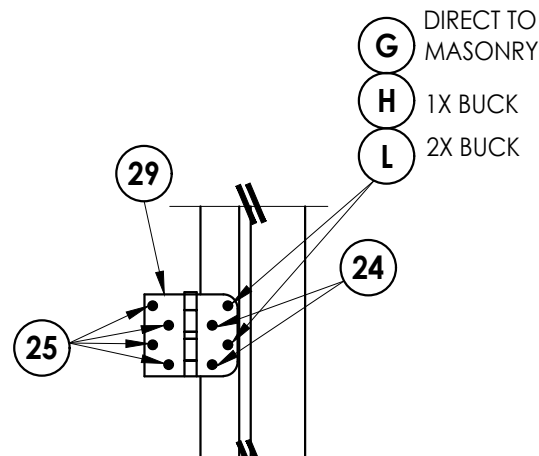
FRAME ANCHORING



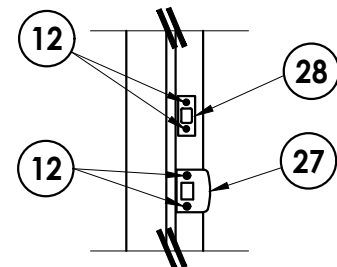
STRIKE JAMB



HINGE DETAIL 2



HINGE DETAIL 1



STRIKE PLATE DETAIL

[illegible]

Documents Prepared By:
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 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 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 WOOD SCREW	STEEL
12	#8 X 2" PFH WOOD SCREW	STEEL
19	SILLKEY	ABS
24	#9 X 5/8" PFH WS	STEEL
25	#9 X 1" PFH WS	STEEL
26	#9 X 2" PFH WS	STEEL
27	STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	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)	-
62	QUARTER ROUND	PVC
70	SIDELITE	-

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 ULTRAON®+	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:		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:	
				BILL OF MATERIALS	
				RW	
				BY	
				REVISONS	
DATE: 12/8/17					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-25575.1					
SHEET 14 OF 14					