

"Lighthouse"

GLAZED FIBERGLASS DOOR

w/ or w/out SIDELITE(S)

"NON-IMPACT"

INSWING / OUTSWING

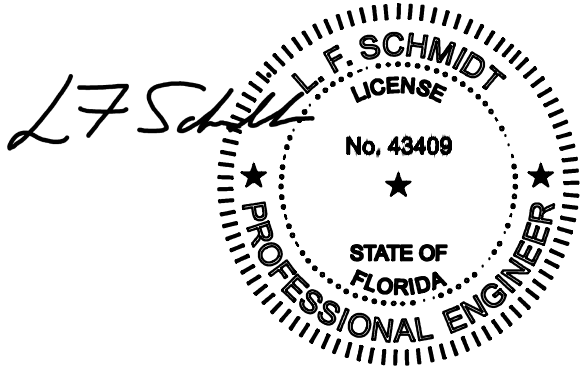
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 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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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 and frame anchoring (X)
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



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

PRODUCT:

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

NO.

DATE

BY

REVISIONS

DATE: 12/8/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

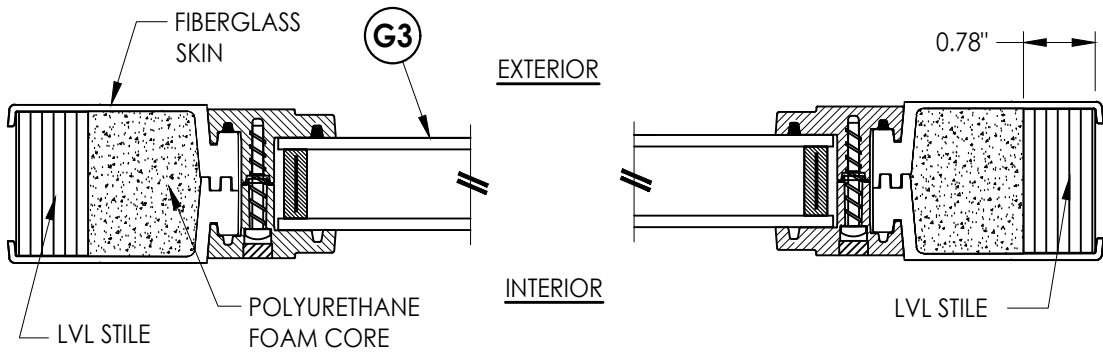
DRAWING NO.: FL-25575.1

SHEET 1 OF 14

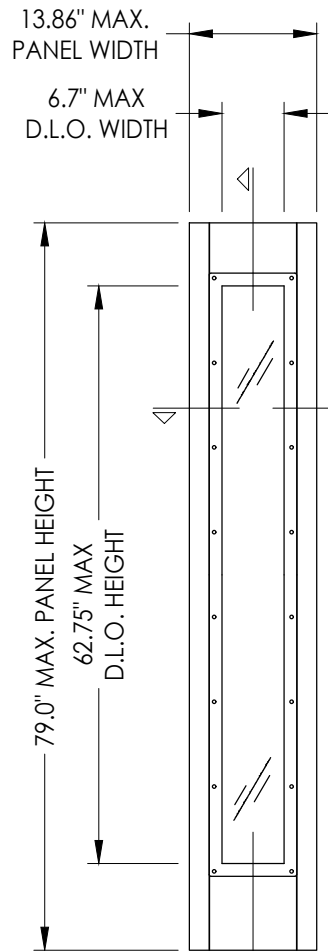
RW

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

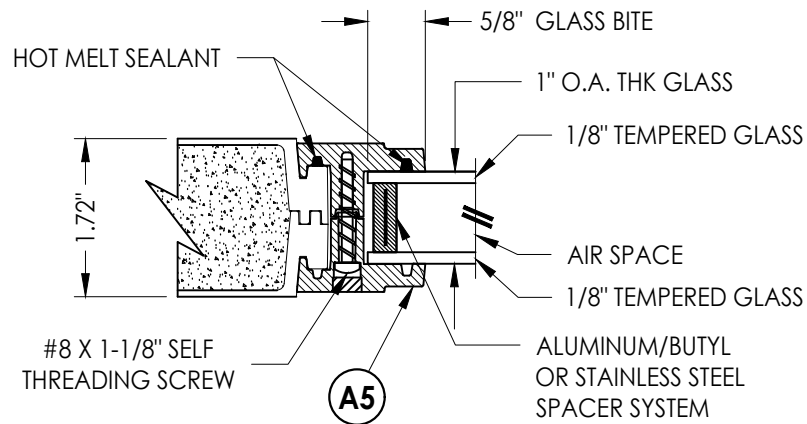
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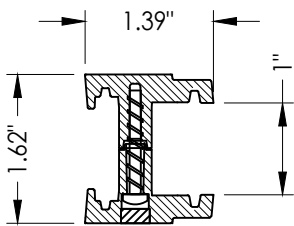
1
3 HORIZONTAL CROSS SECTION



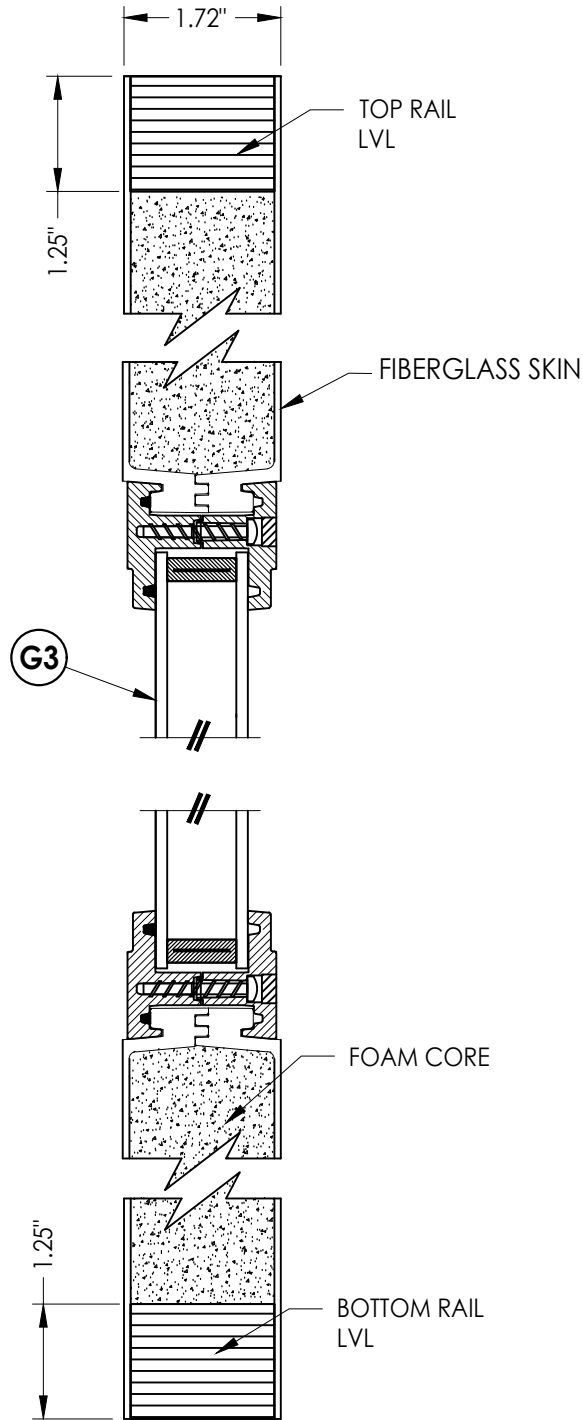
70 SIDELITE PANEL



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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FBPE Registry No. 9813

PRODUCT:
TRINITY GLASS INT'L

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

NO.	DATE	REVISIONS
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

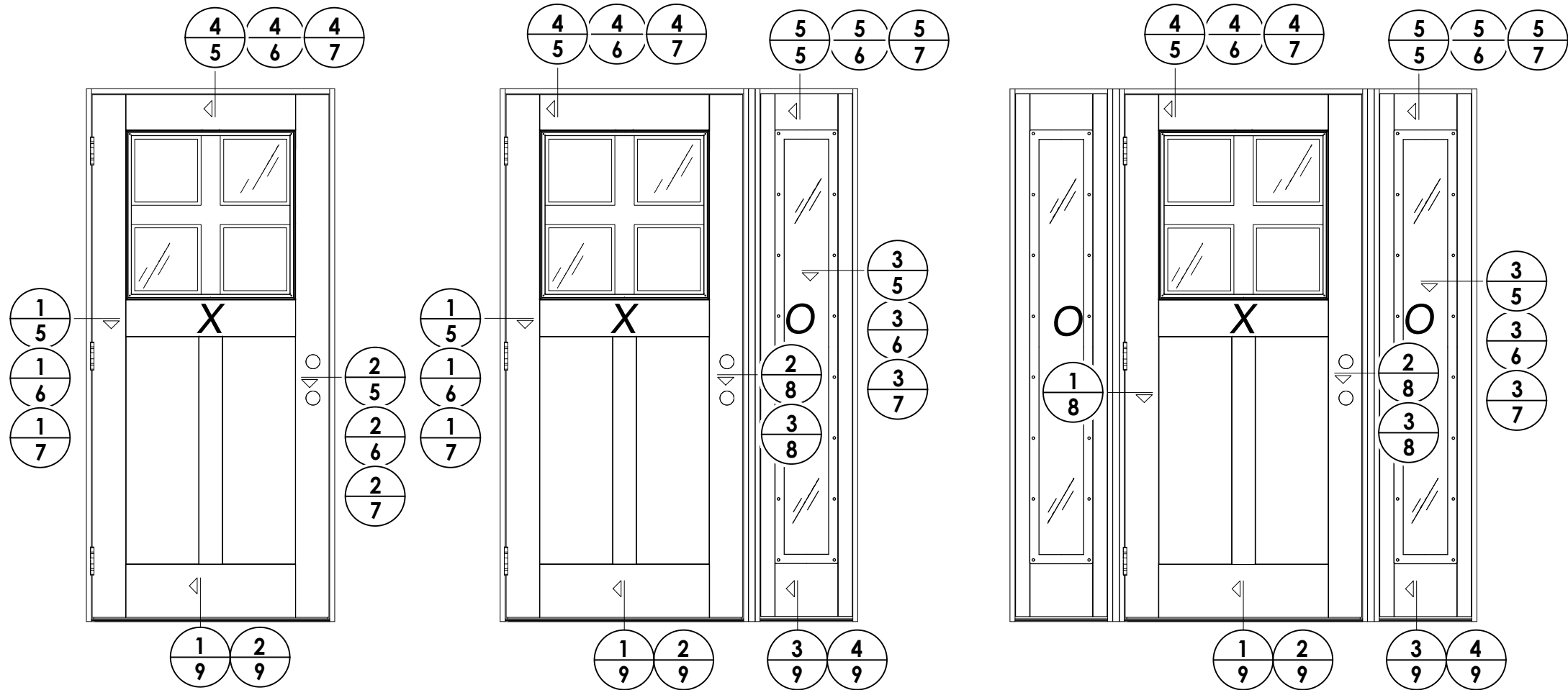
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DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-25575.1

SHEET 3 OF 14

[illegible]

DATE: 12/8/17

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-25575.

SHEET 4 OF 14

PRODUCT:

T: TRINITY GLASS INT'L

PART OR ASSEMBLY:

ELEVATIONS

REVISIONS

Documents Prepared By:
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P.E. No. 43409

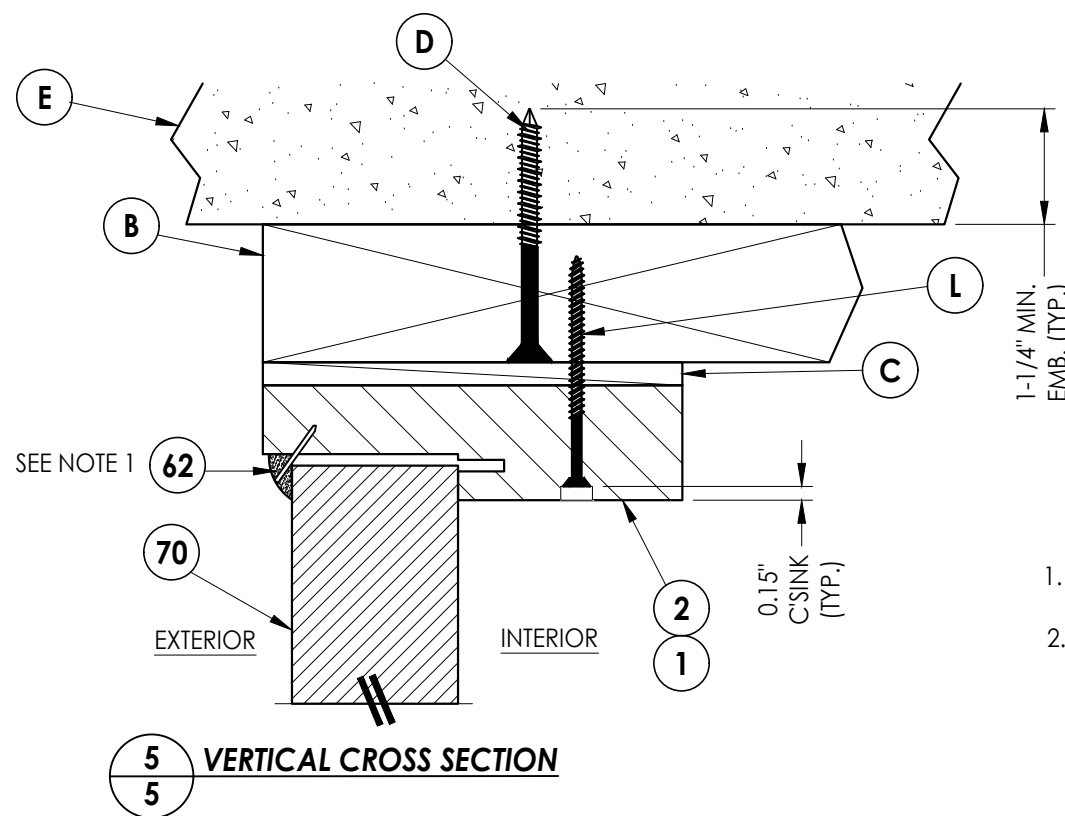
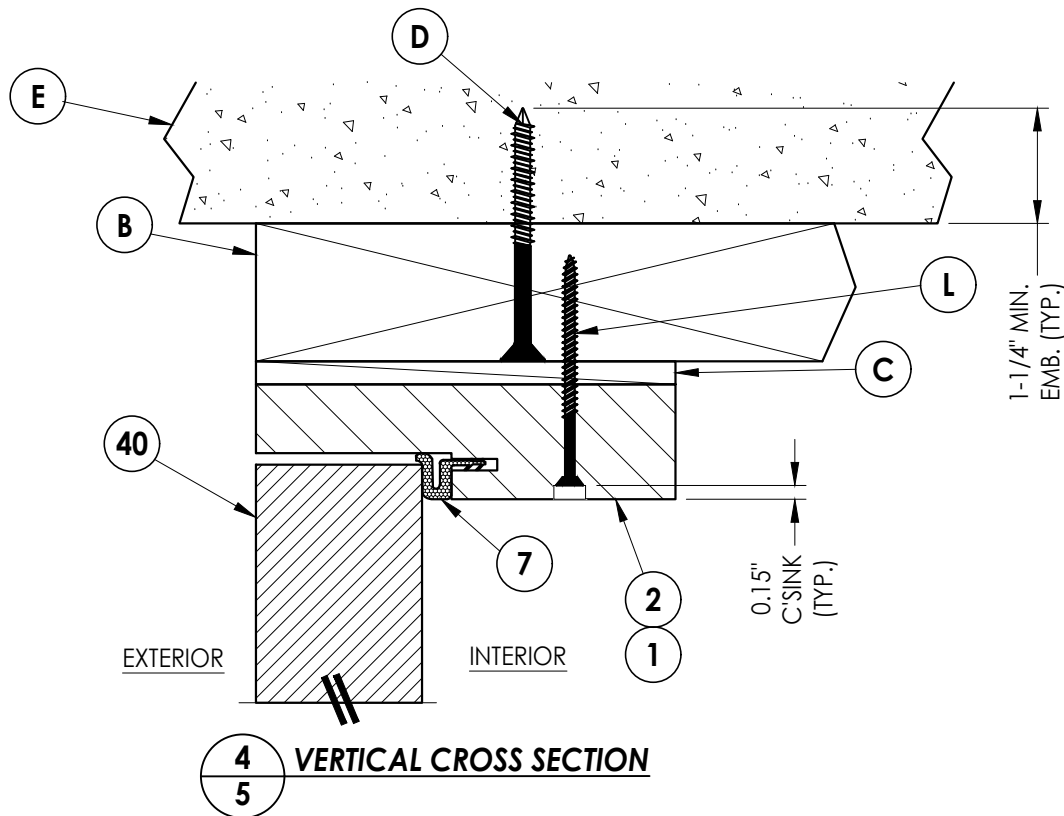
Reynolds Building Consultants, Inc.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

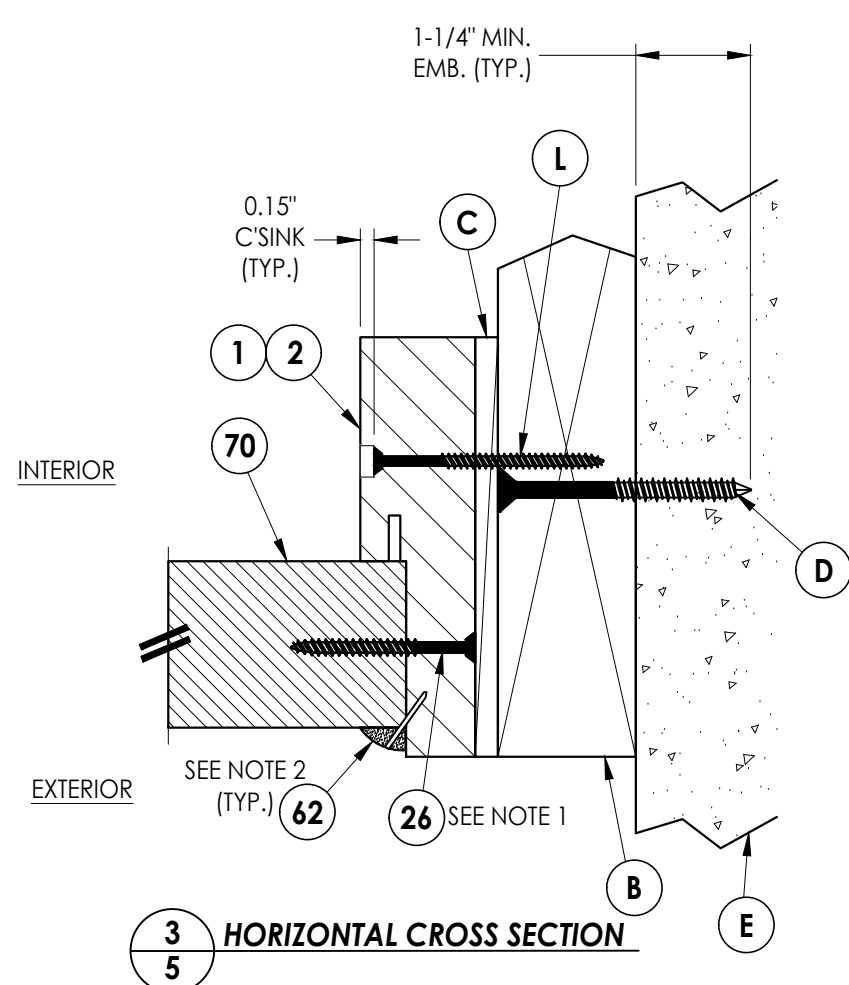
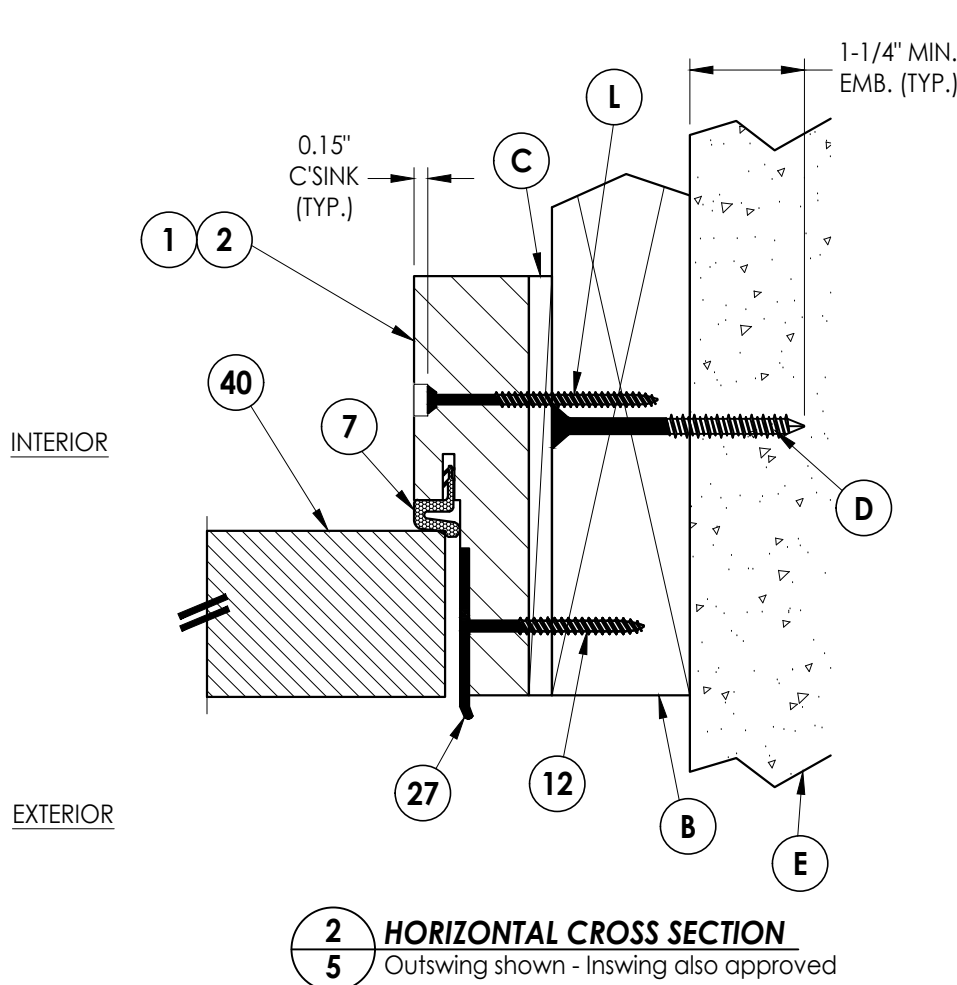
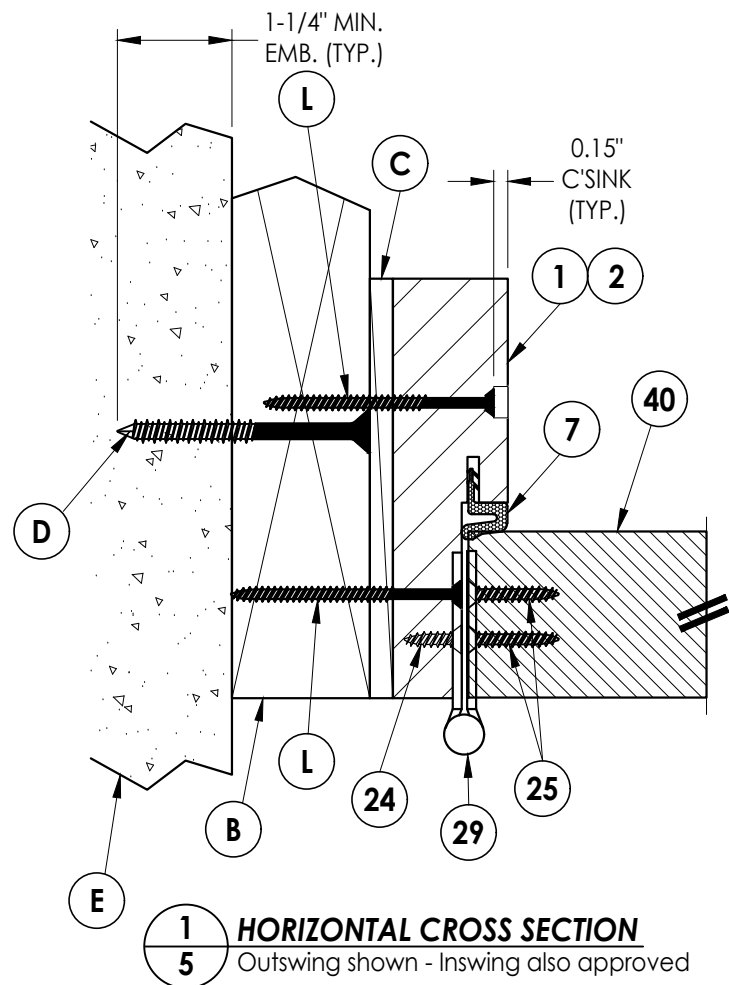
FBPE Registry No. 9813

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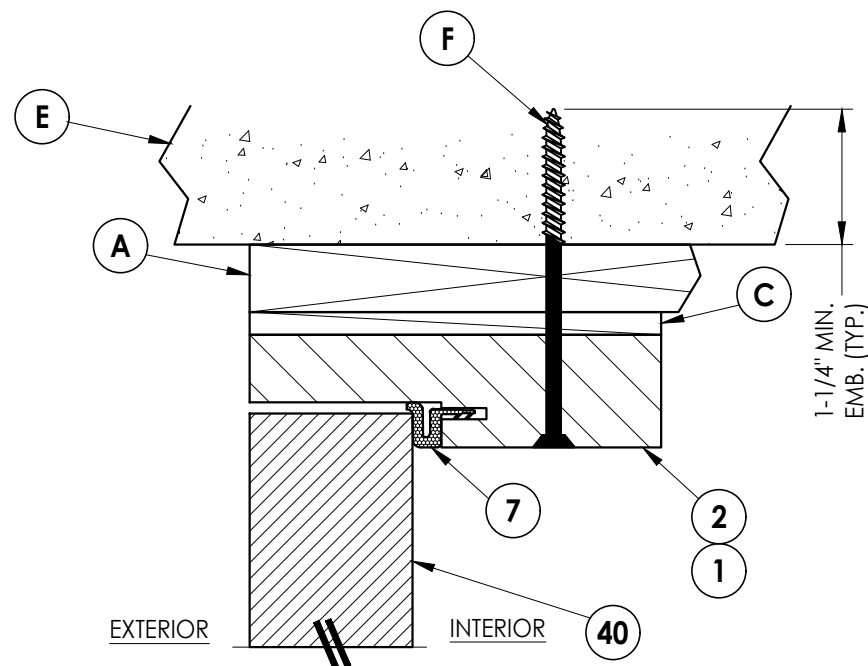
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L

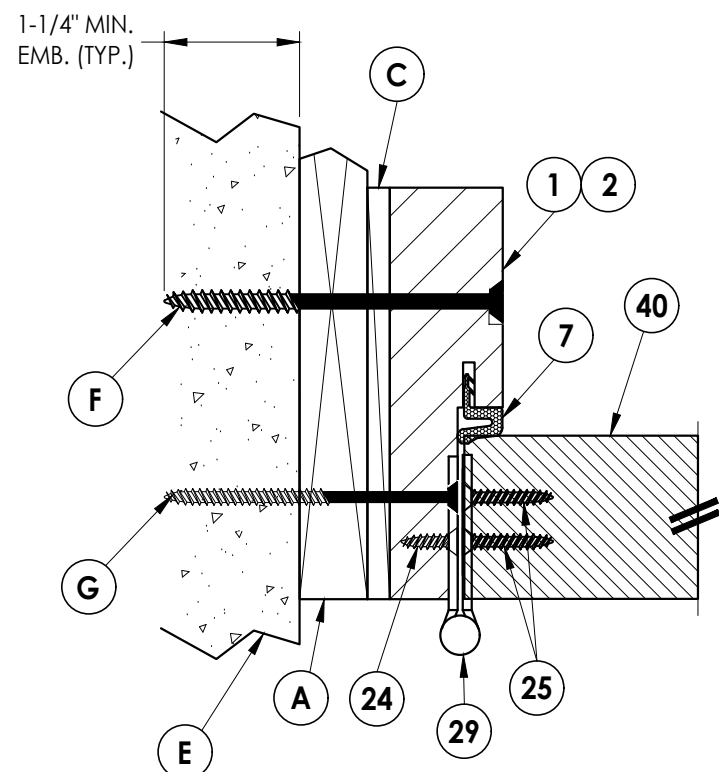
PART OR ASSEMBLY:
HORIZONTAL AND VERTICAL
CROSS SECTIONS (2X BUCK)

NO.	DATE	REVISIONS
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2	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
1	2/04/20	DEFINE MODEL DESCRIPTION RW

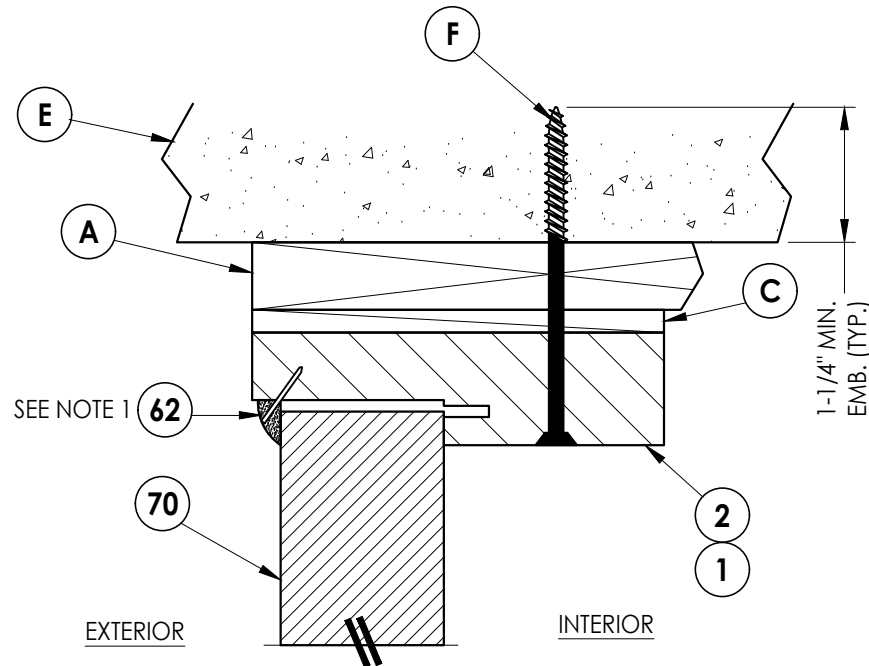
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DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-25575.1
SHEET 5 OF 14



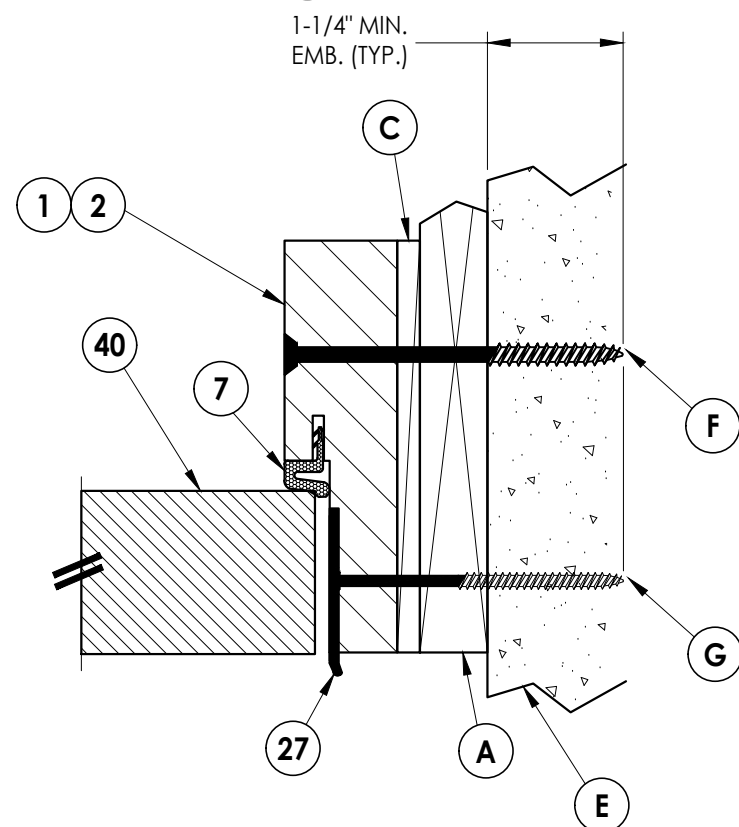
4 6 VERTICAL CROSS SECTION



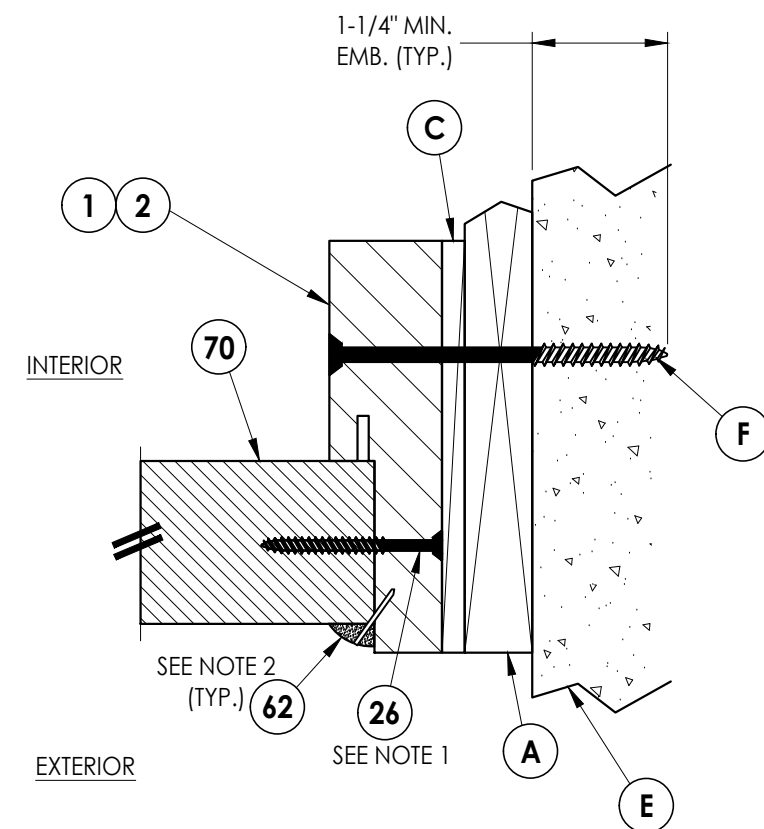
1 **HORIZONTAL CROSS SECTION**
6 Outswing shown - Inswing also approved



5 VERTICAL CROSS SECTION



2 HORIZONTAL CROSS SECTION
6 Outswing shown - Inswing also approved



3 HORIZONTAL CROSS SECTION
6

NOTE:

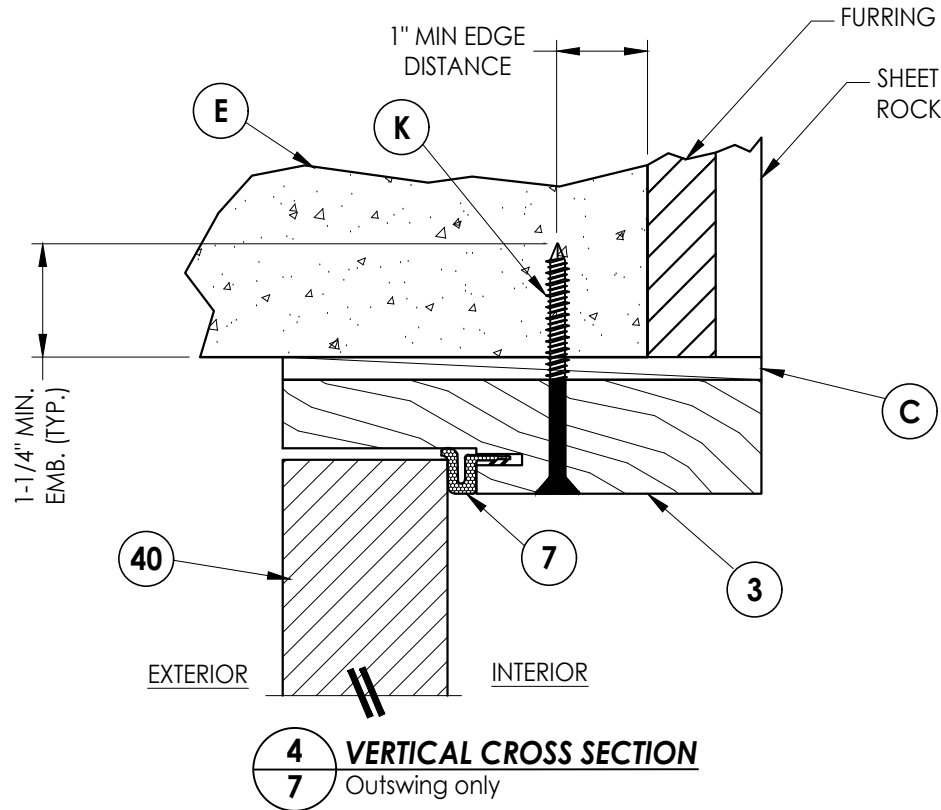
1. Item #26 located 6" from each end and 3 more equally spaced (5 total).
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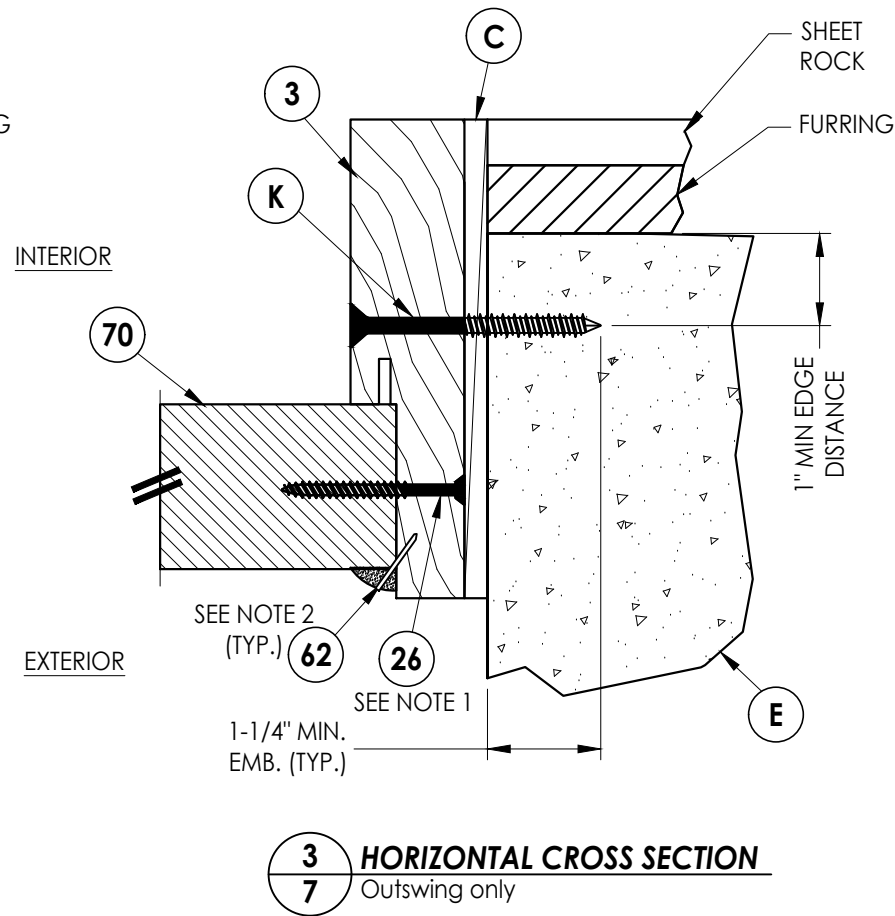
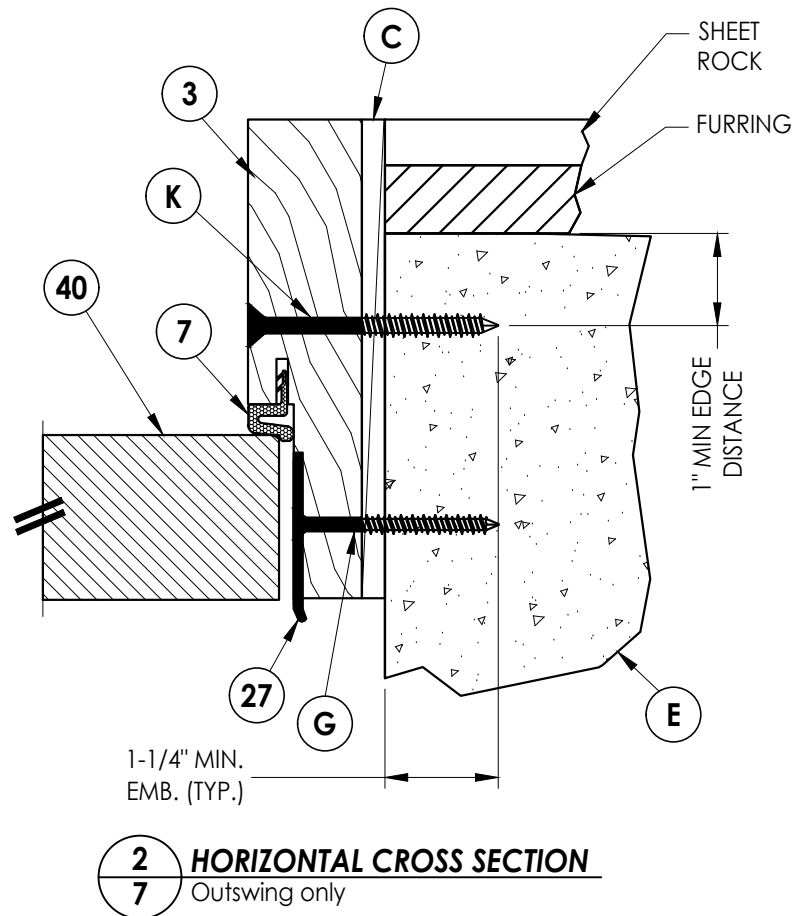
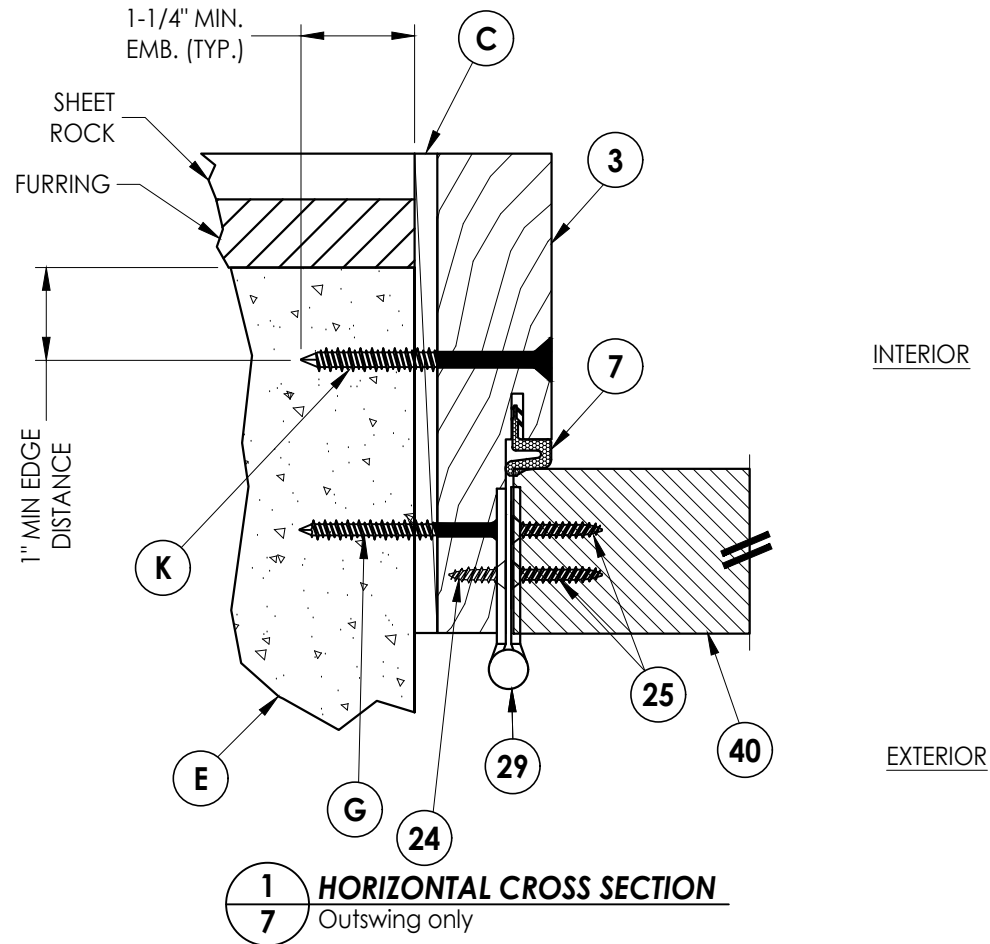
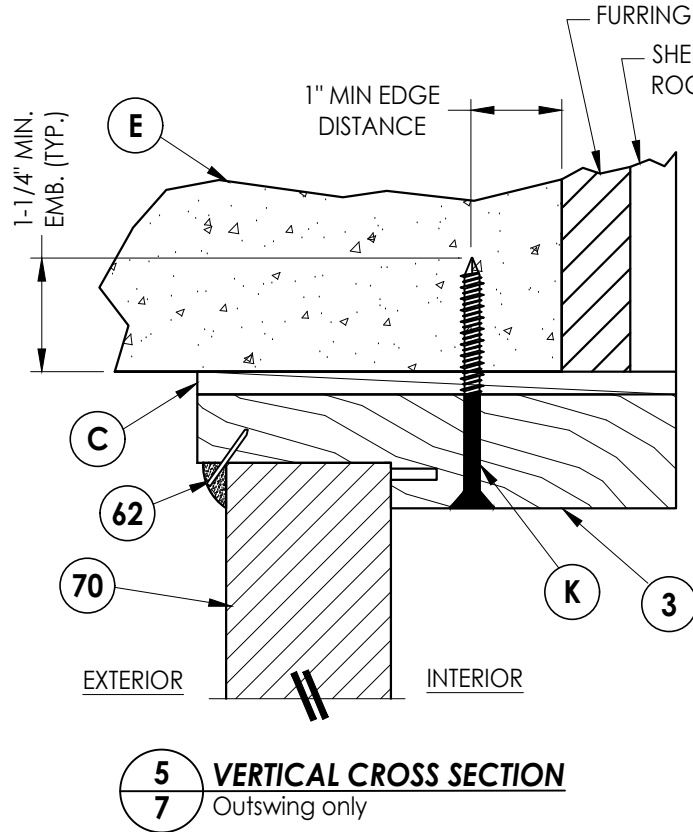
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

DATE: 12/8/17		PRODUCT: TRINITY GLASS INT'L	
SCALE: N.T.S.		PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS (1X BUCK)	
DWG. BY: JK			
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.



Documents Prepared By:
Lyndon F. Schmidt
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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:
HORIZONTAL AND VERTICAL CROSS
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS
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

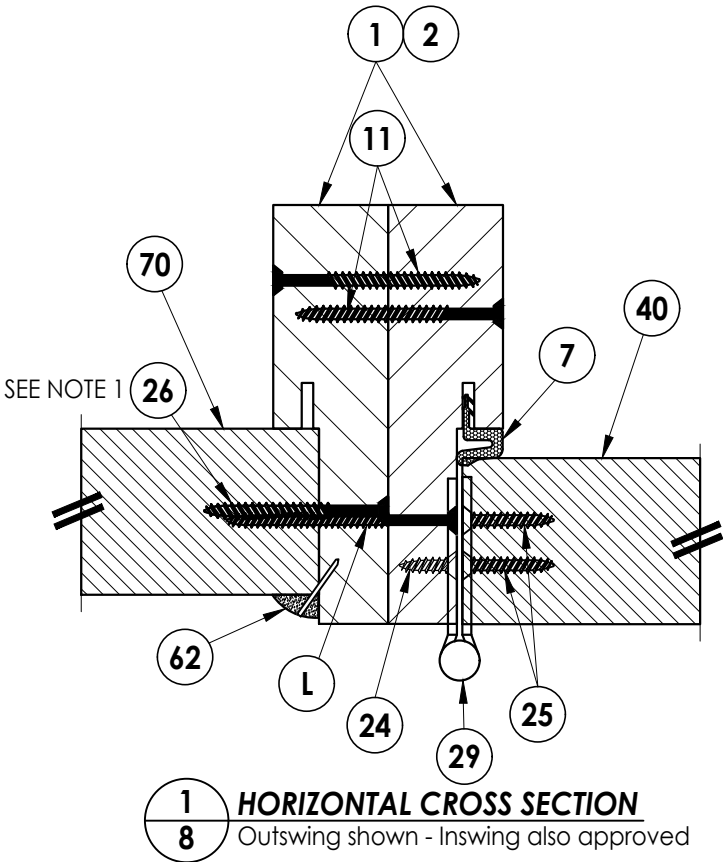
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DRAWING NO.:

FL-25575.1

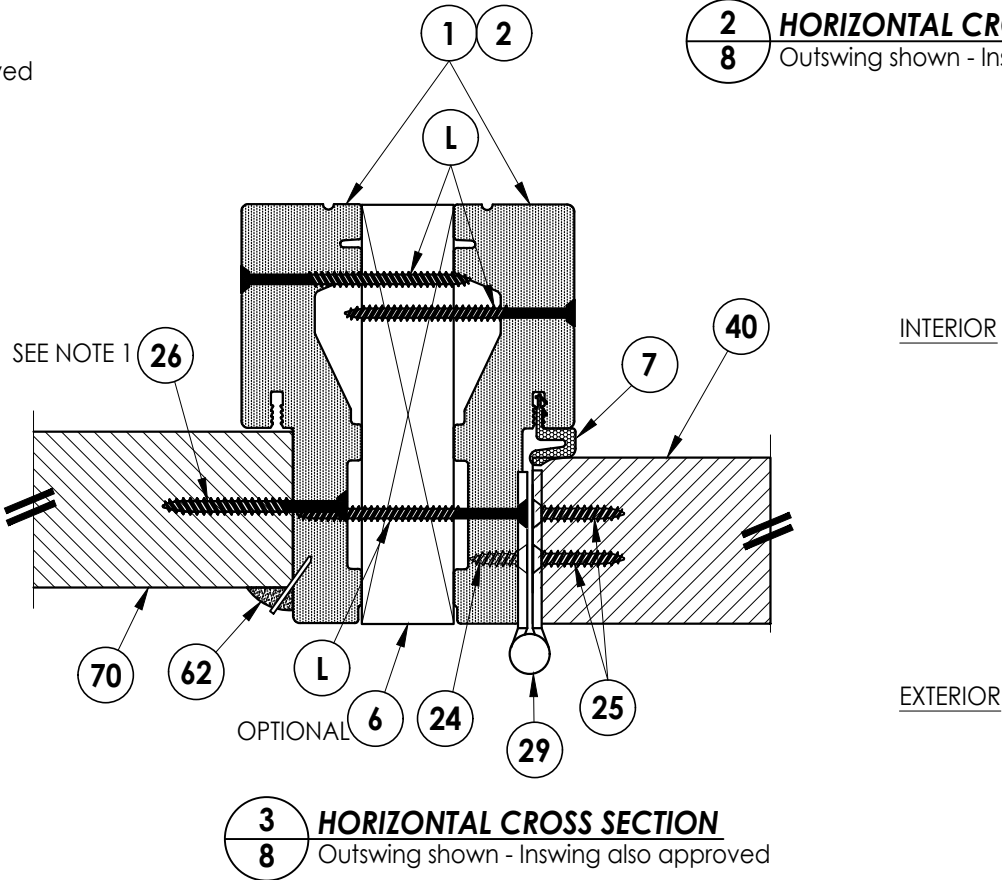
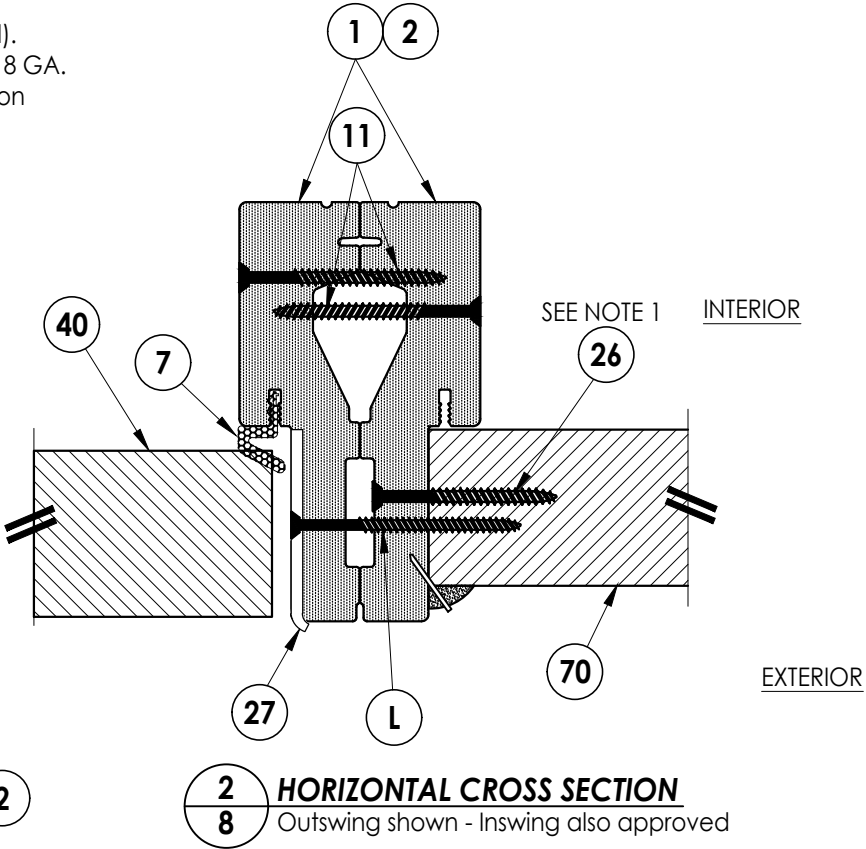
SHEET 7 OF 14

Z:\2023 FBC Drawings\Trinity Glass Int'l\FL-25575 R5\FL-25575.1-2.dwg



NOTE:

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2. PVC Quarter round attached with 18 GA. brad nail 3" from each end then 8" on center thereafter.



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FBPE Registry No. 9813

PRODUCT:
TRINITY GLASS INT'L

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
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

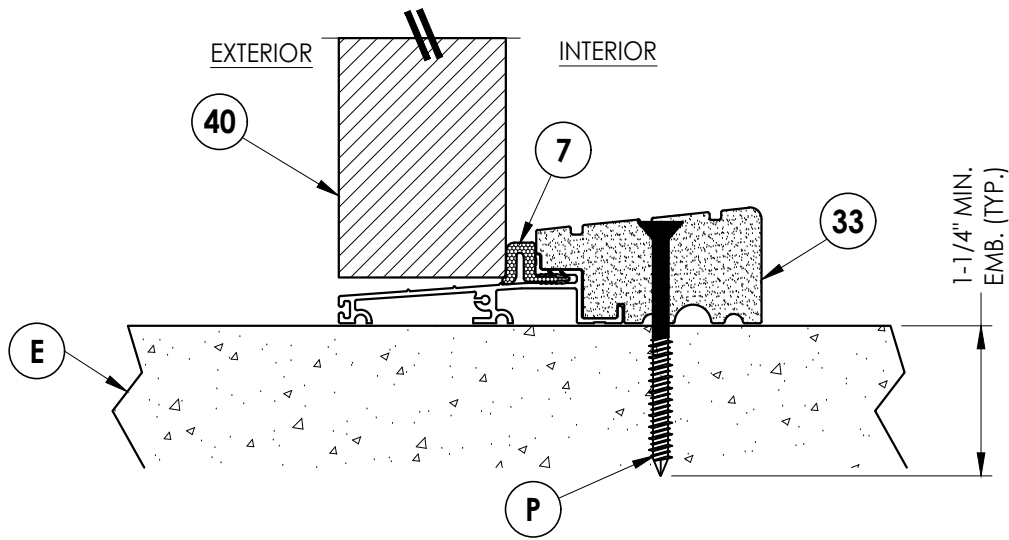
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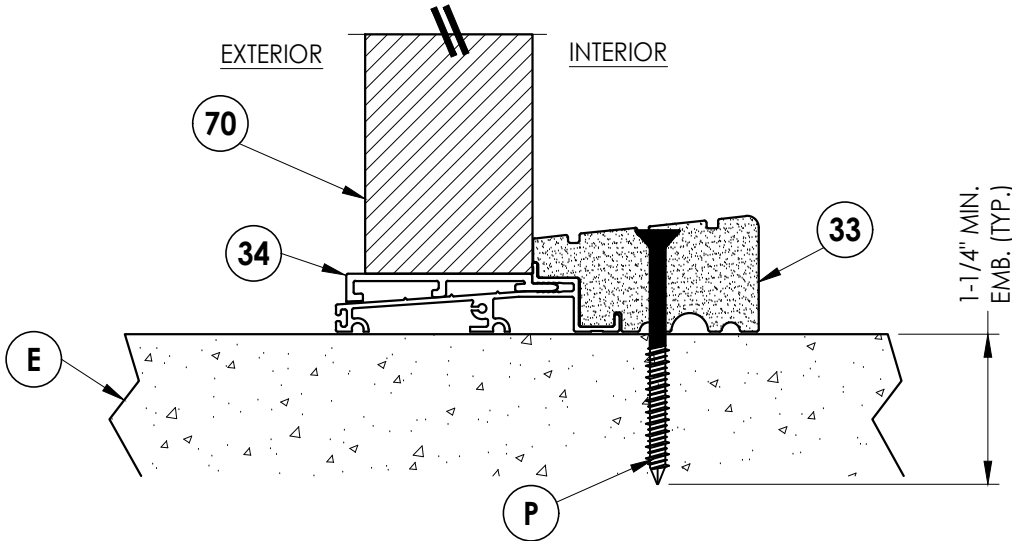
FL-25575.1

SHEET 8 OF 14

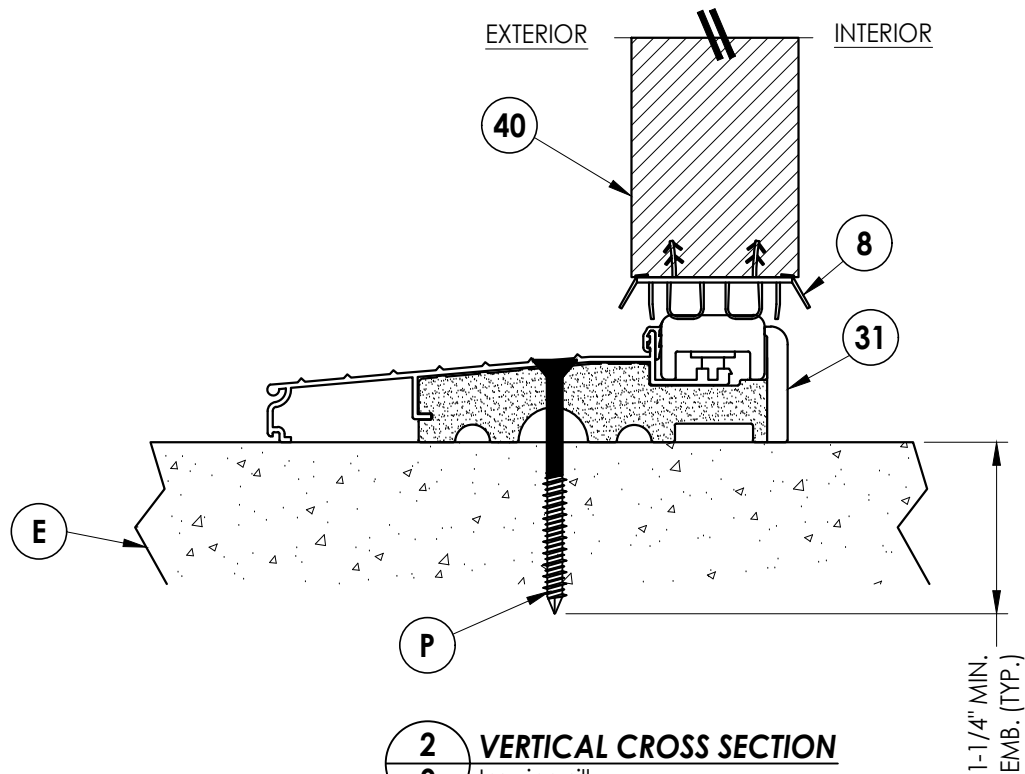
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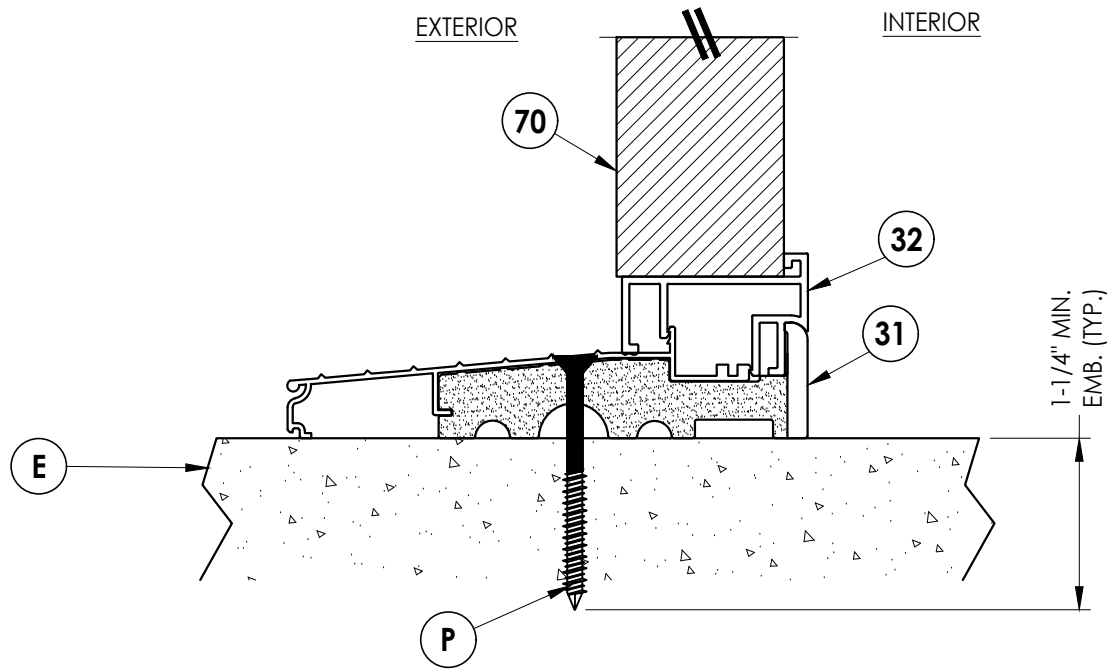
1
9 **VERTICAL CROSS SECTION**
Outswing sill - high dam



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



2
9 **VERTICAL CROSS SECTION**
Inswing sill



4
9 **VERTICAL CROSS SECTION**
Inswing sill

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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:
VERTICAL CROSS SECTIONS

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

DATE: 12/8/17

SCALE: N.T.S.

DWG. BY: JK

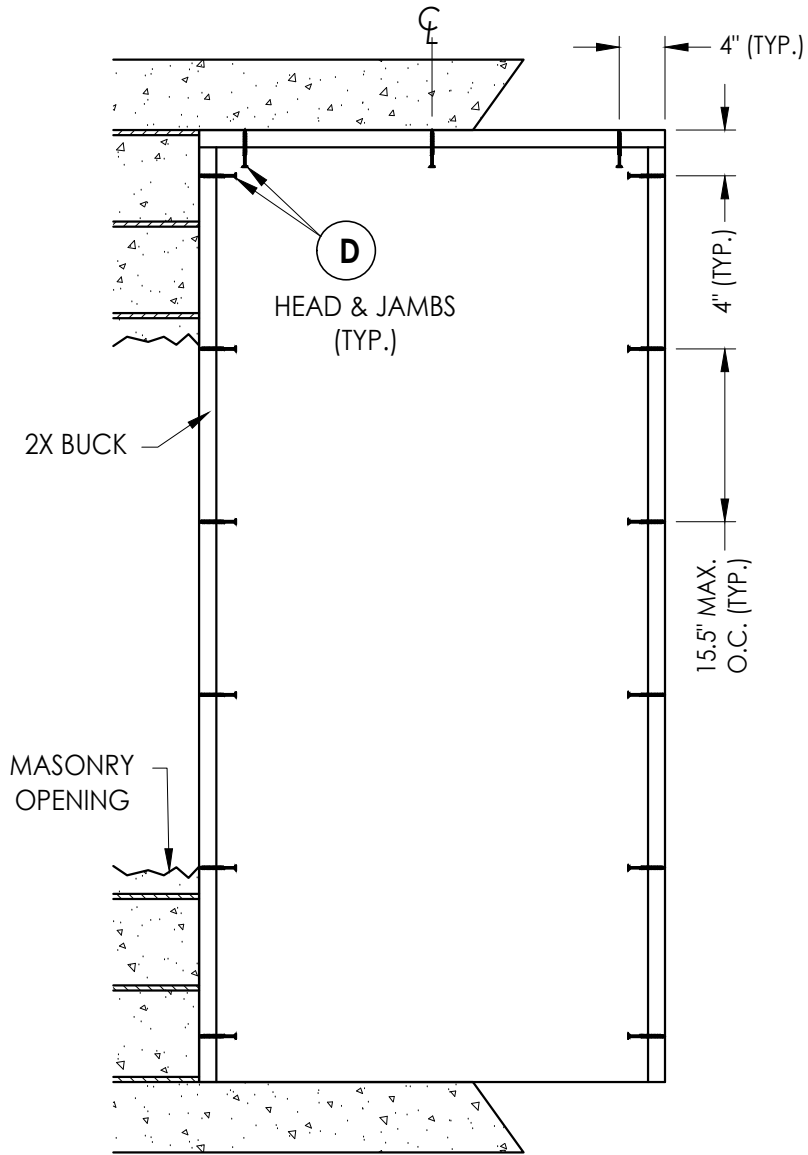
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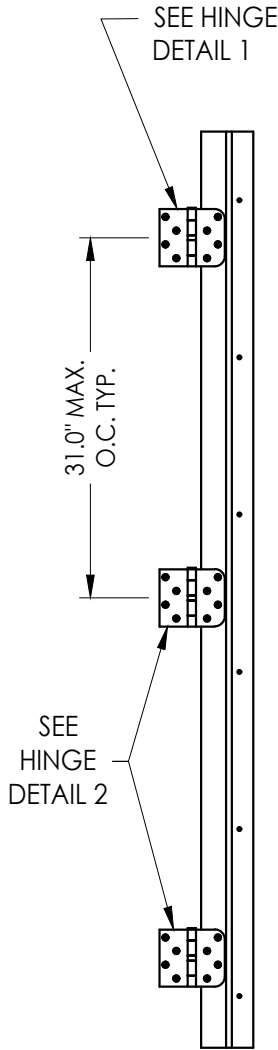
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SHEET 9 OF 14

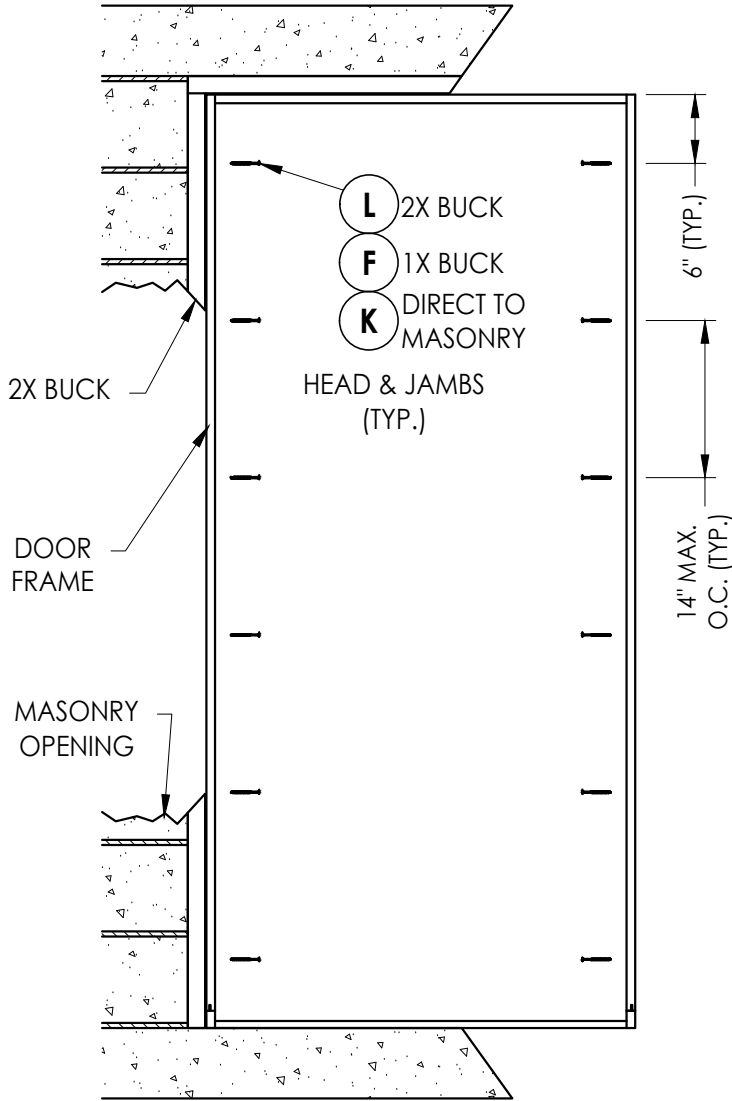
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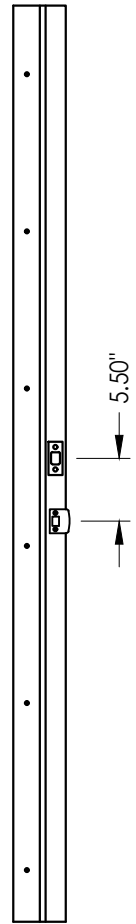
BUCK ANCHORING



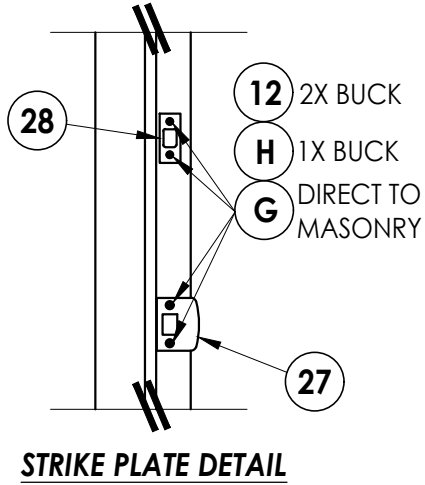
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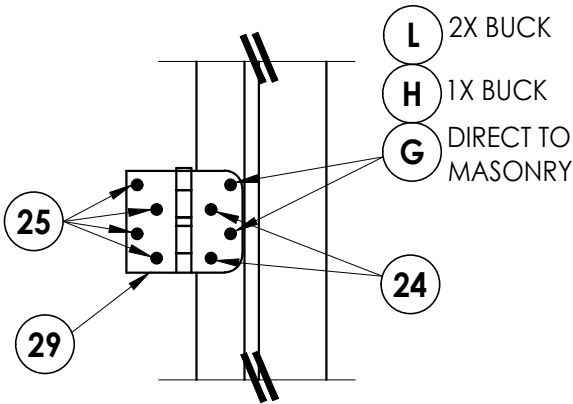
FRAME ANCHORING
Masonry construction



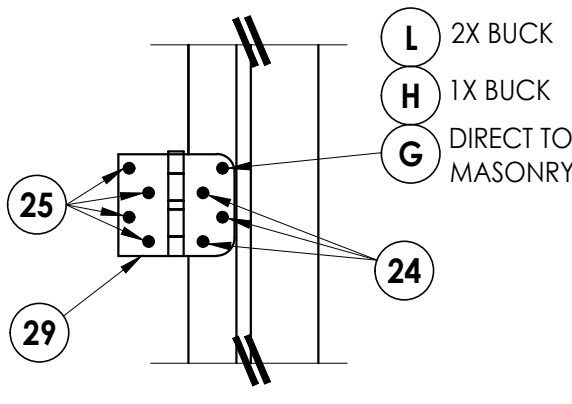
STRIKE JAMB



STRIKE PLATE DETAIL



HINGE DETAIL 1



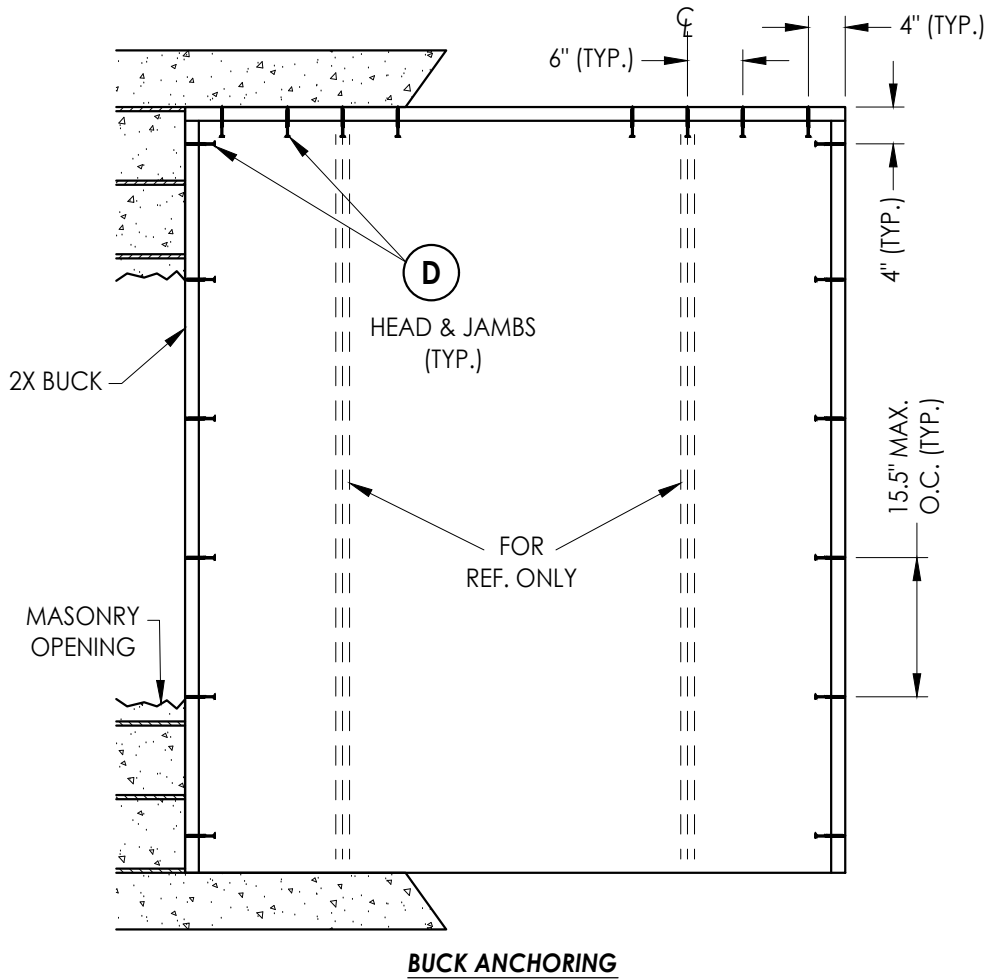
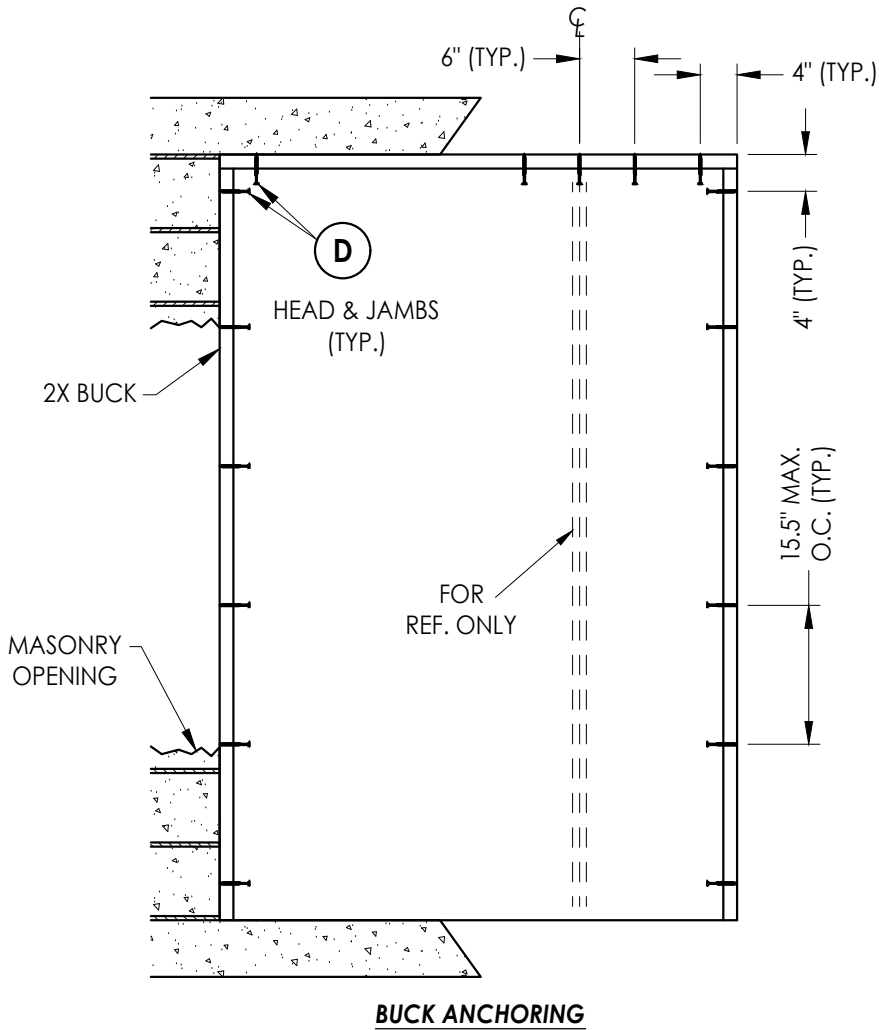
HINGE DETAIL 2

NO.	DATE	REVISIONS
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	10 OF 14

Documents Prepared By:
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P.E. No. 43409

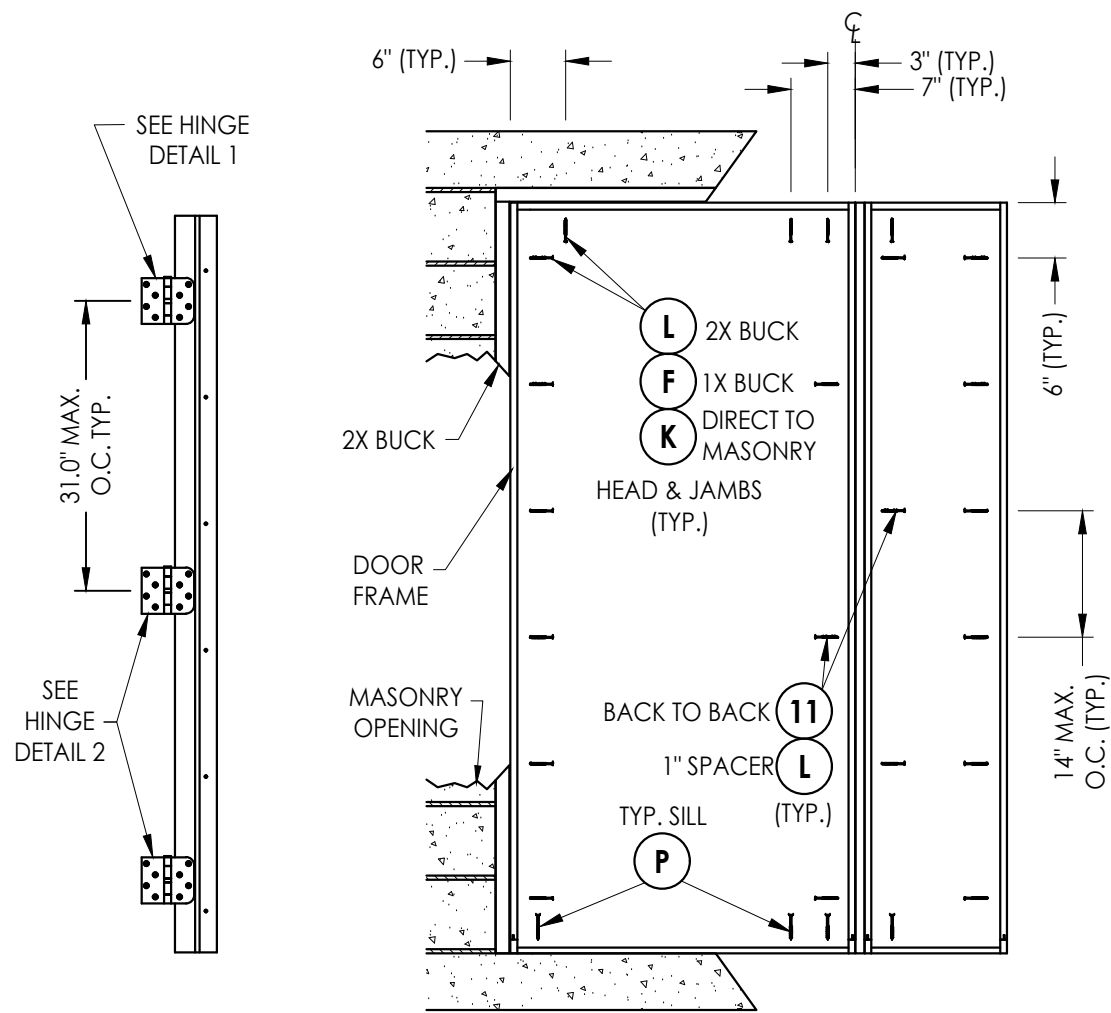
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



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)

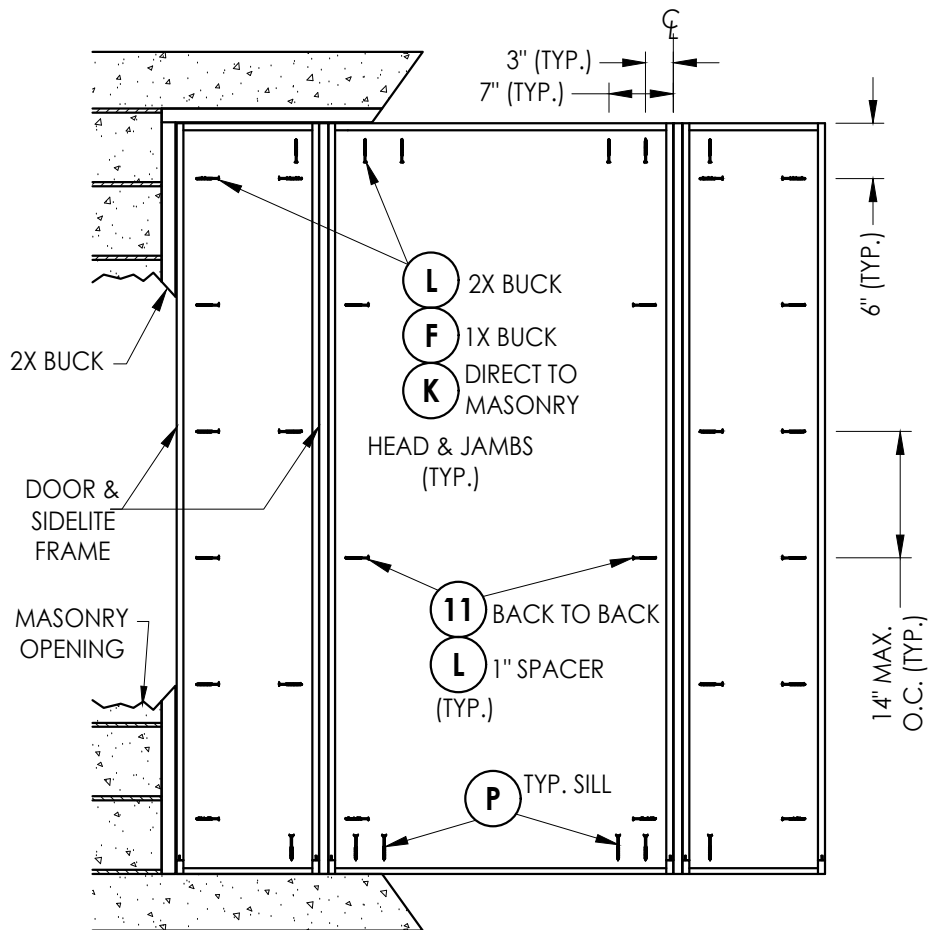
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813



HINGE JAMB

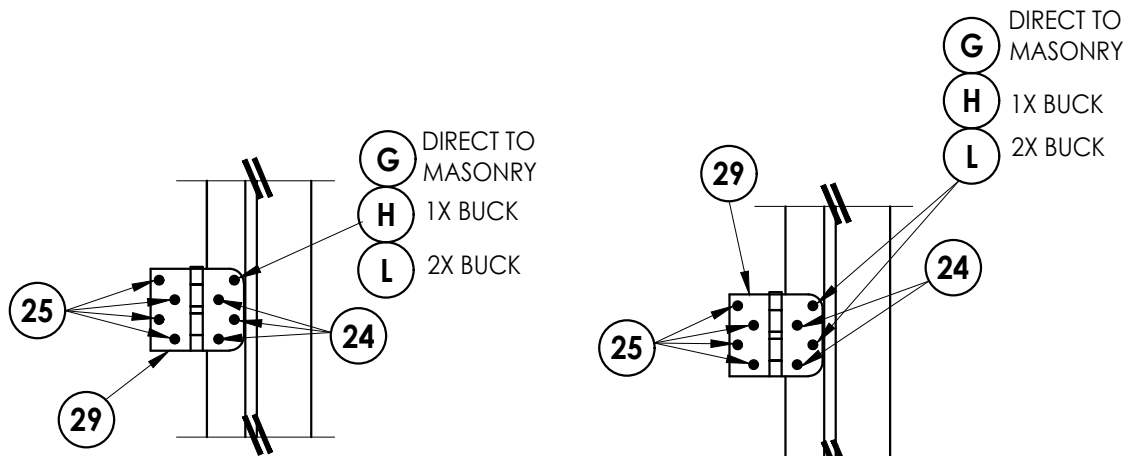
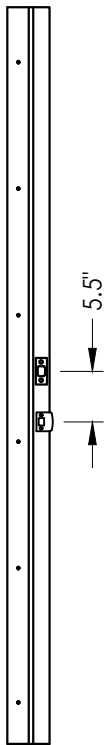
FRAME ANCHORING

Masonry construction



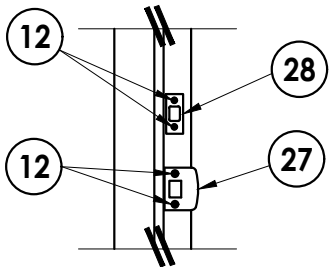
FRAME ANCHORING

STRIKE JAMB



HINGE DETAIL 2

HINGE DETAIL 1



STRIKE PLATE DETAIL

[illegible]

Documents Prepared By:
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P.E. No. 43409

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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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
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 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]