

OPAQUE FIBERGLASS

SINGLE DOOR

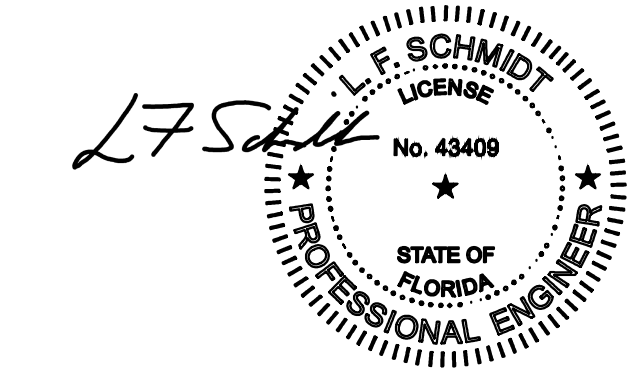
INSWING / OUTSWING

"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. 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 includes 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.

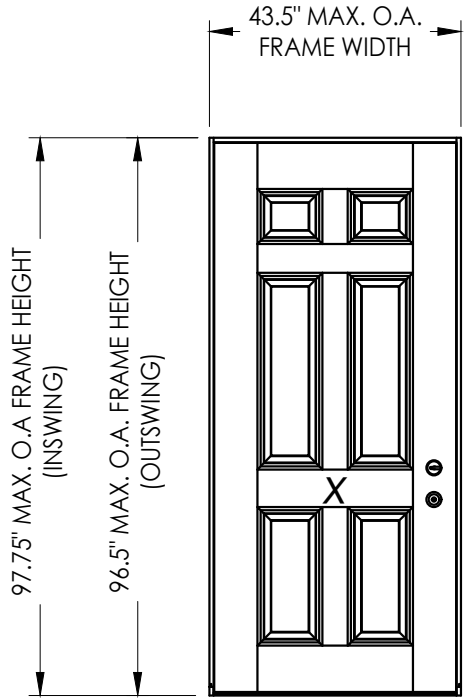
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Horizontal & vertical cross sections (2X buck)
4	Horizontal & vertical cross sections (1X buck)
5	Horizontal & vertical cross sections (Direct to Masonry)
6	Vertical cross sections
7	Buck & frame anchoring
8	Components
9	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	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	+65.0	-70.0	+65.0	-65.0

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

TRINITY GLASS INT'L

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

8/13/23

8/01/23

DATE

NO.

BY

REVISIONS

DATE: 8/13/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-25575.19

SHEET 1 OF 9

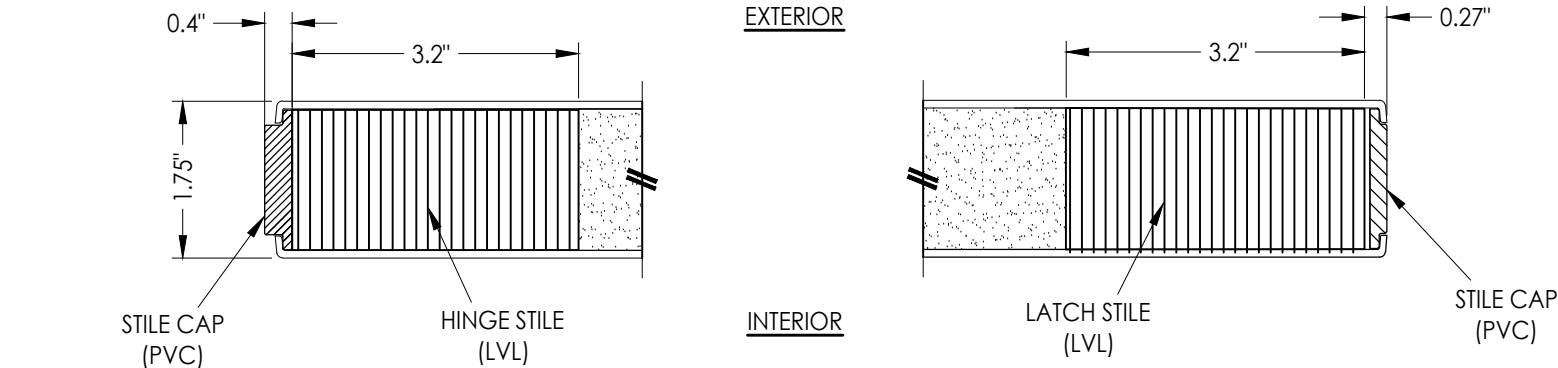
BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

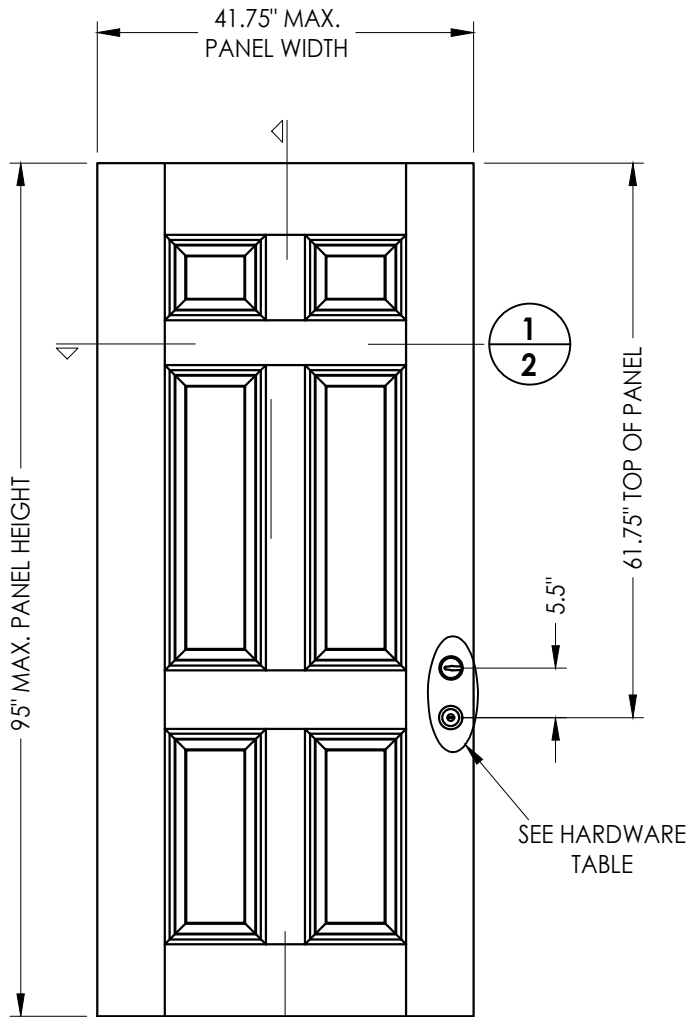
Phone No.: 813.659.9197

FBPE Registry No. 9813

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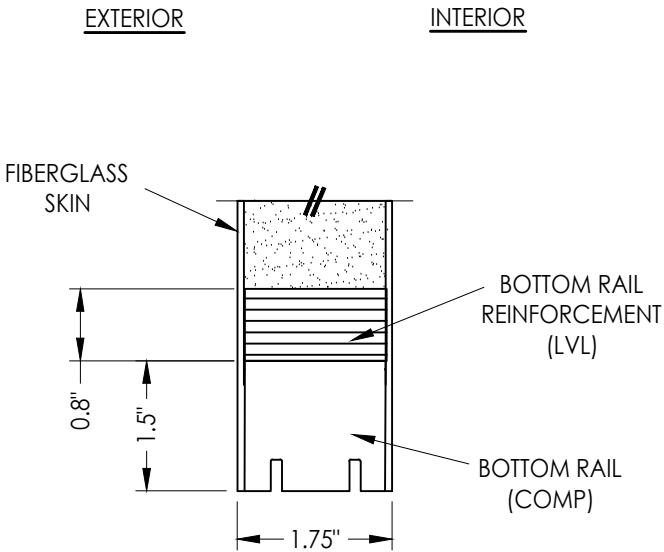
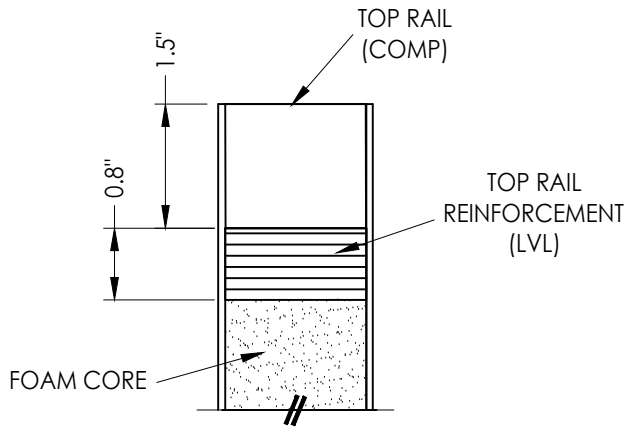
1
2 HORIZONTAL CROSS SECTION



2
2 OPAQUE DOOR PANEL
Fiberglass

DOOR SKIN: 0.070" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM

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



2
2 VERTICAL CROSS SECTION

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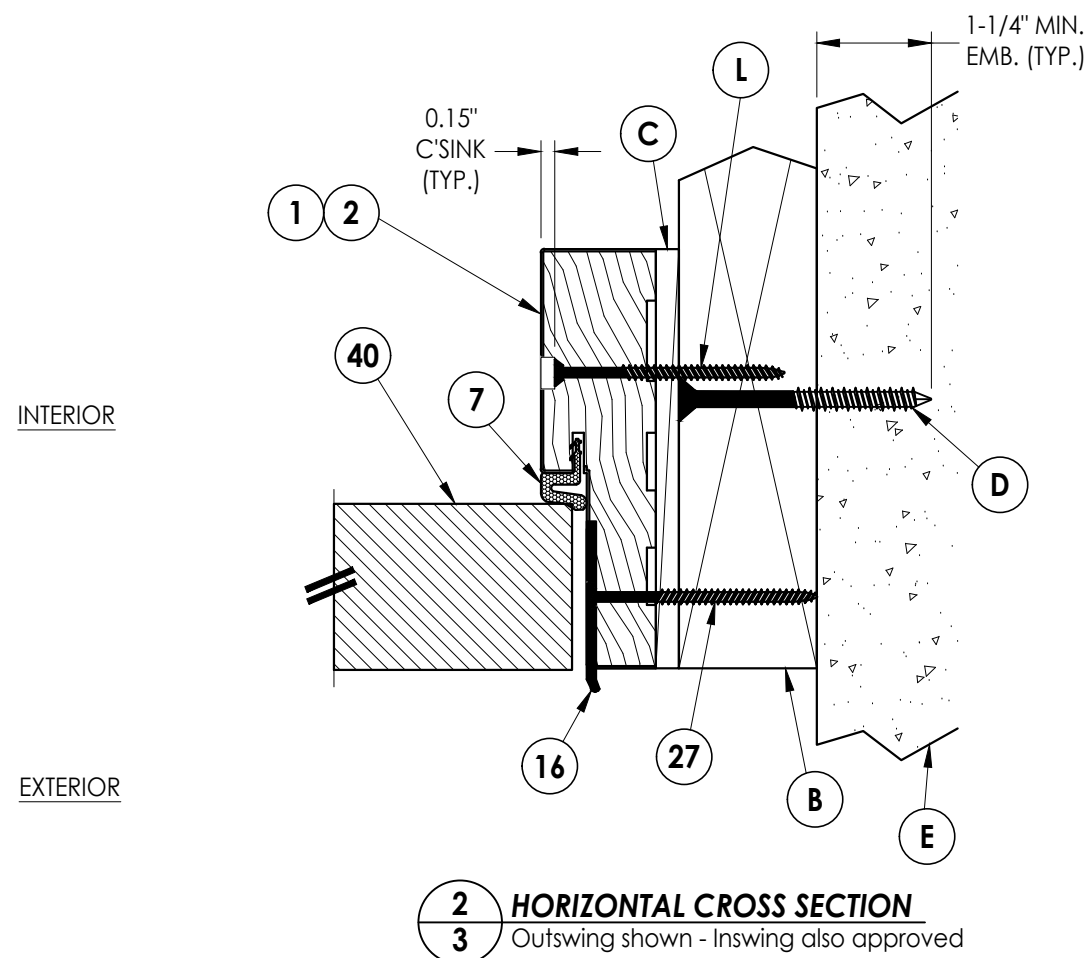
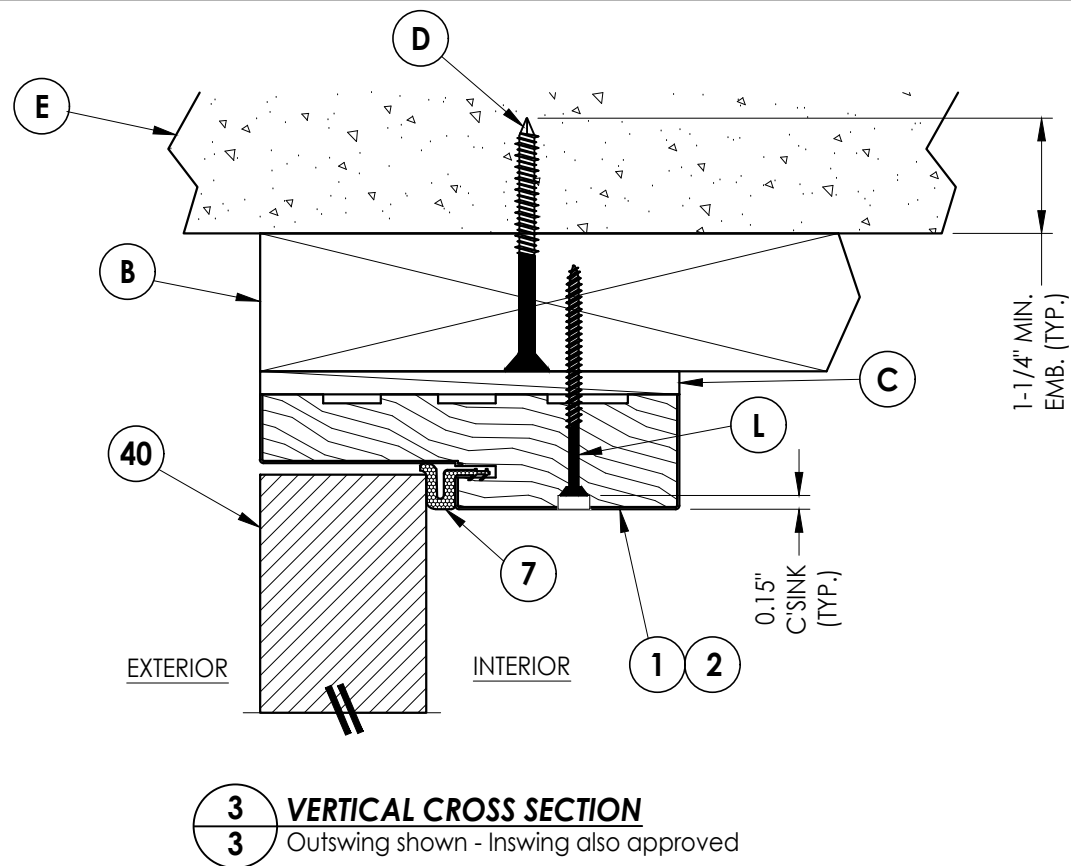
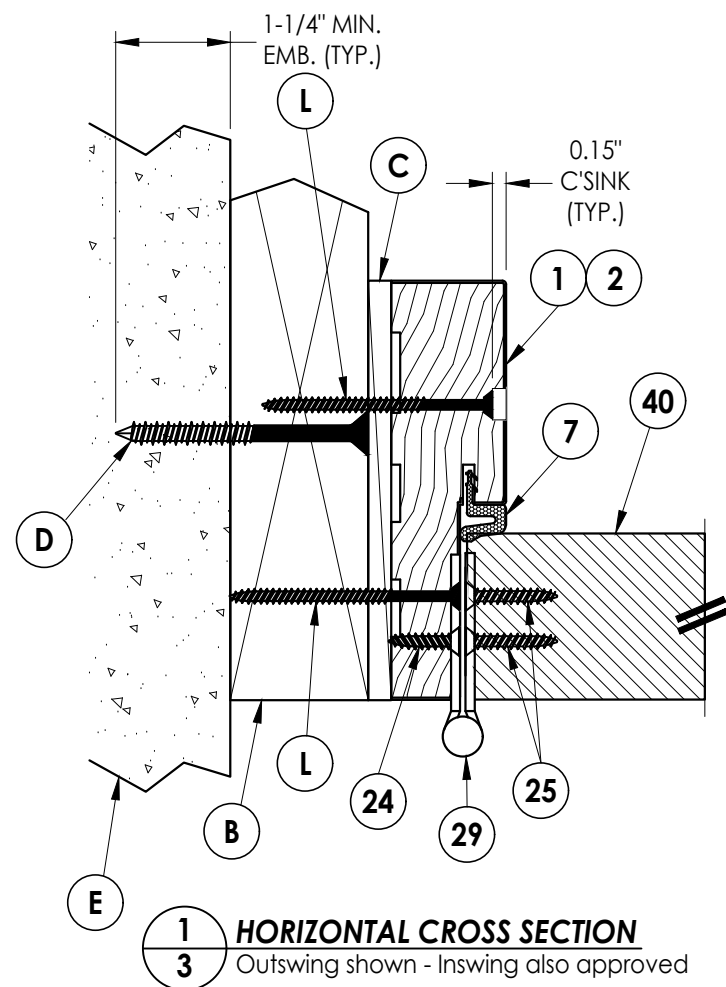
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY: DOOR PANEL DETAILS

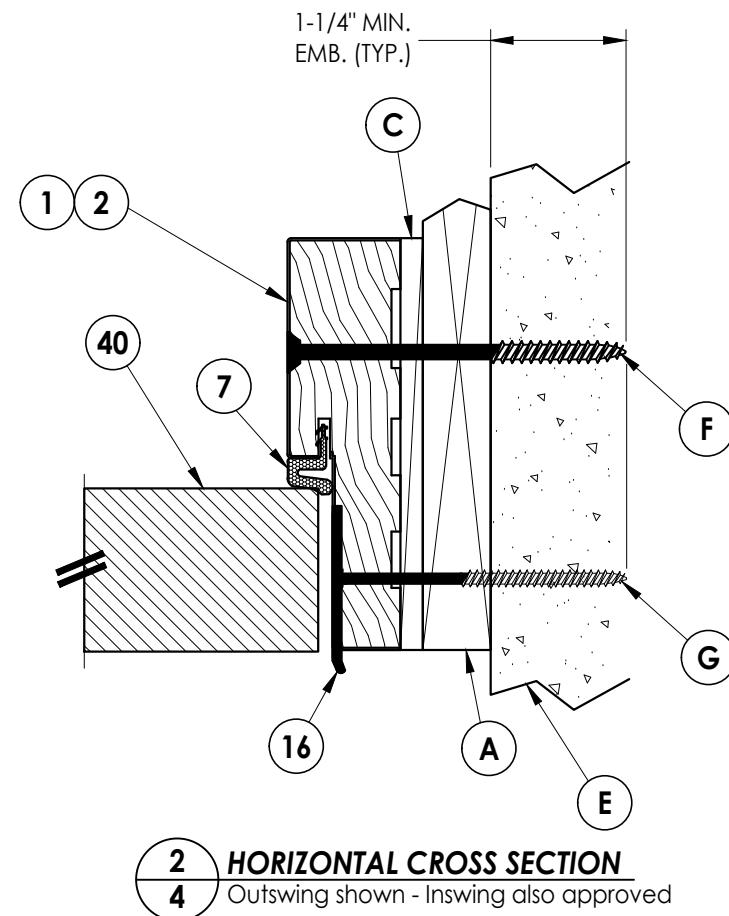
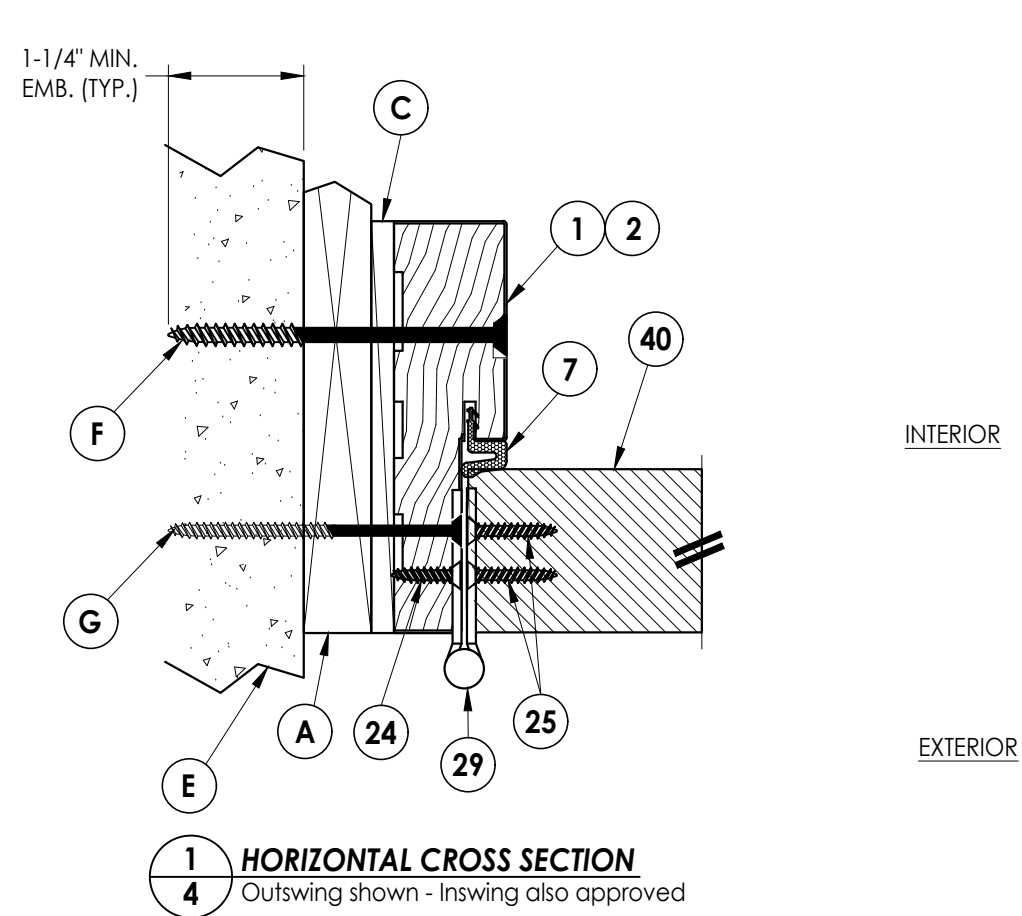
NO.	DATE	DESCRIPTION	BY
1	8/01/23	UPDATE TO 8TH ED. (2023) FBC	LFS

DATE: 8/13/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-25575.19
SHEET 2 OF 9

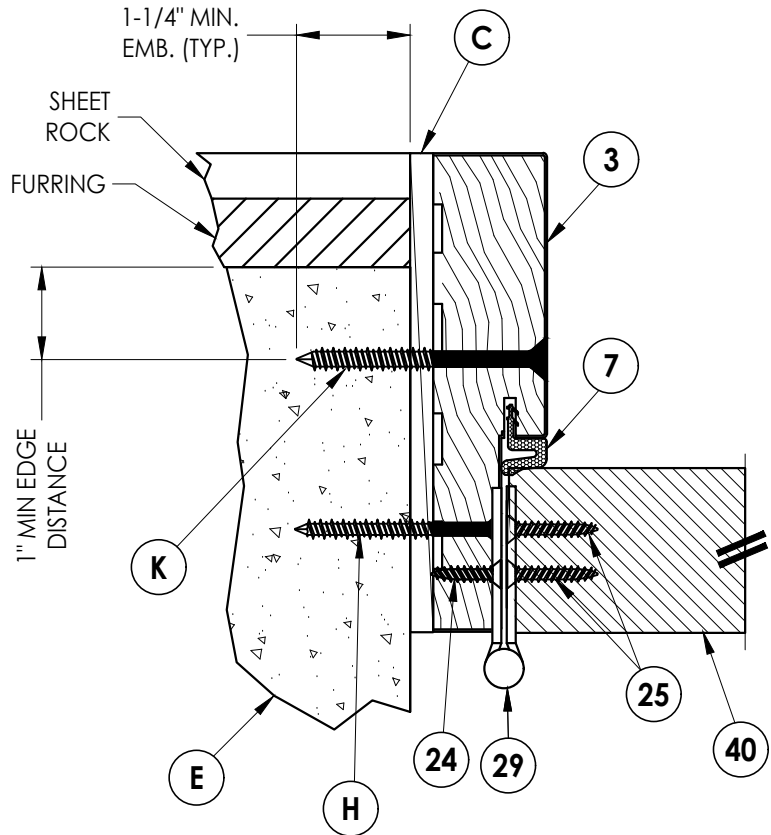
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Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

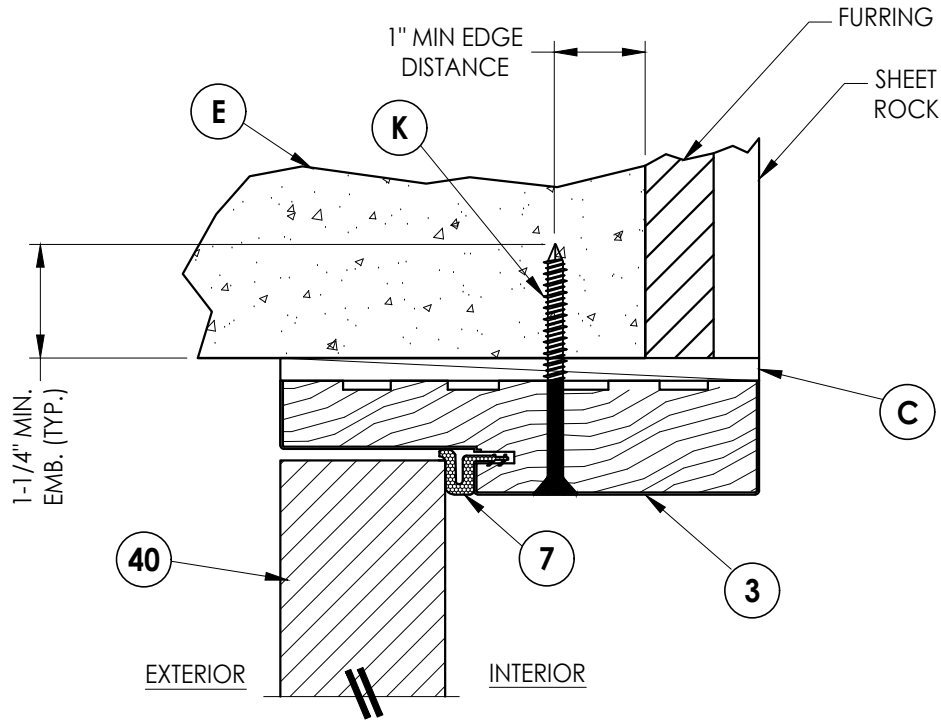
Building Consultants, Inc.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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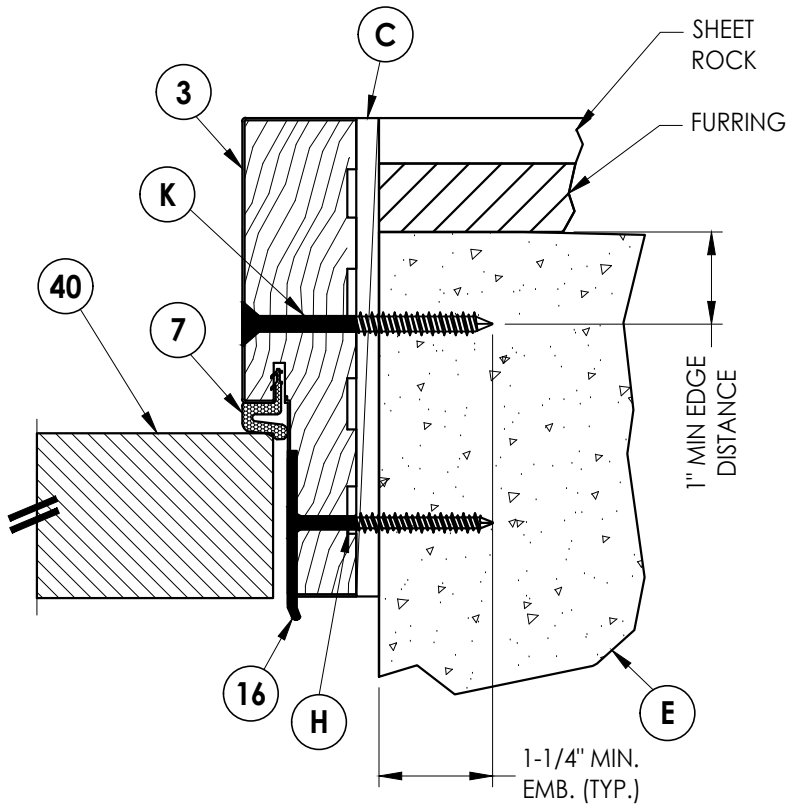
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1
5 **HORIZONTAL CROSS SECTION**
Outswing only



3
5 **VERTICAL CROSS SECTION**
Outswing only



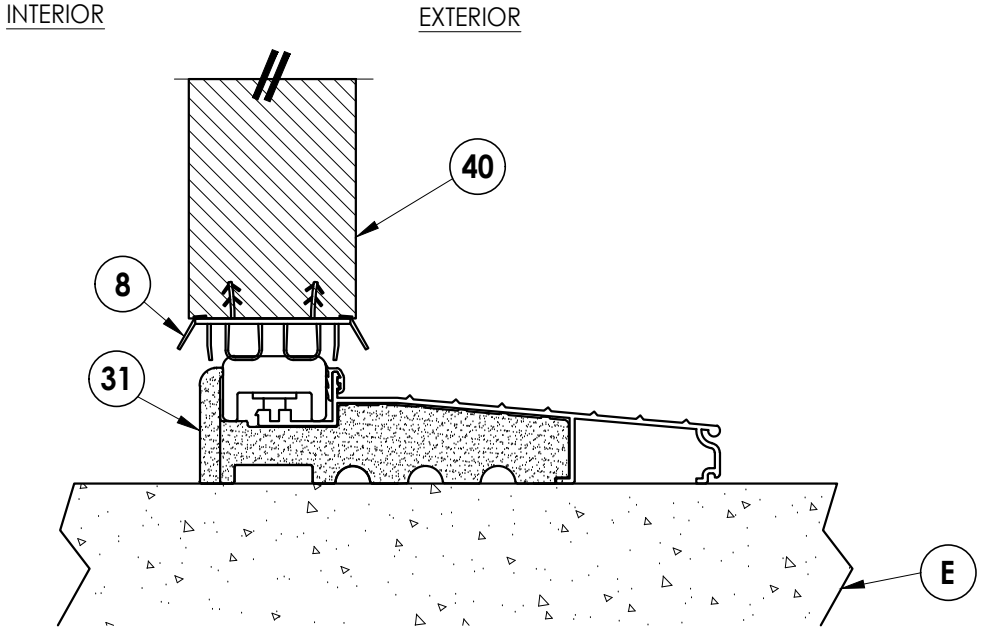
2
5 **HORIZONTAL CROSS SECTION**
Outswing only

DATE: 8/13/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.:
FL-25575.19
SHEET 5 OF 9

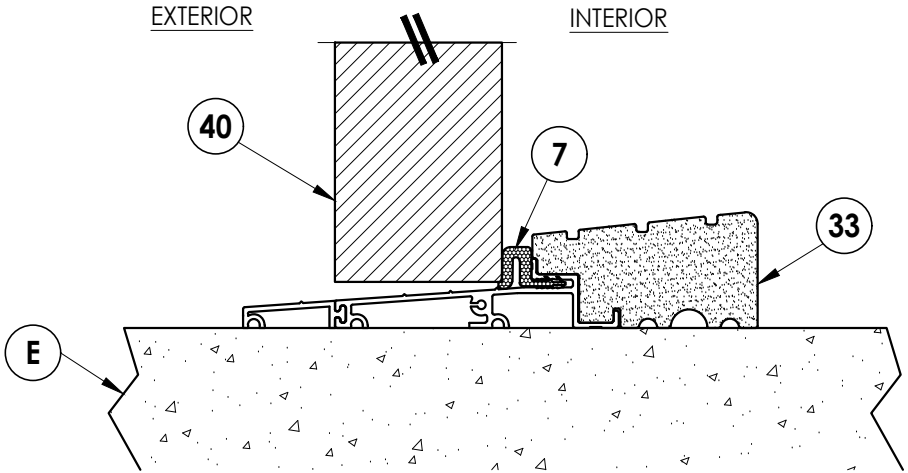
PRODUCT: TRINITY GLASS INT'L
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL CROSS
SECTIONS (DIRECT TO MASONRY)

Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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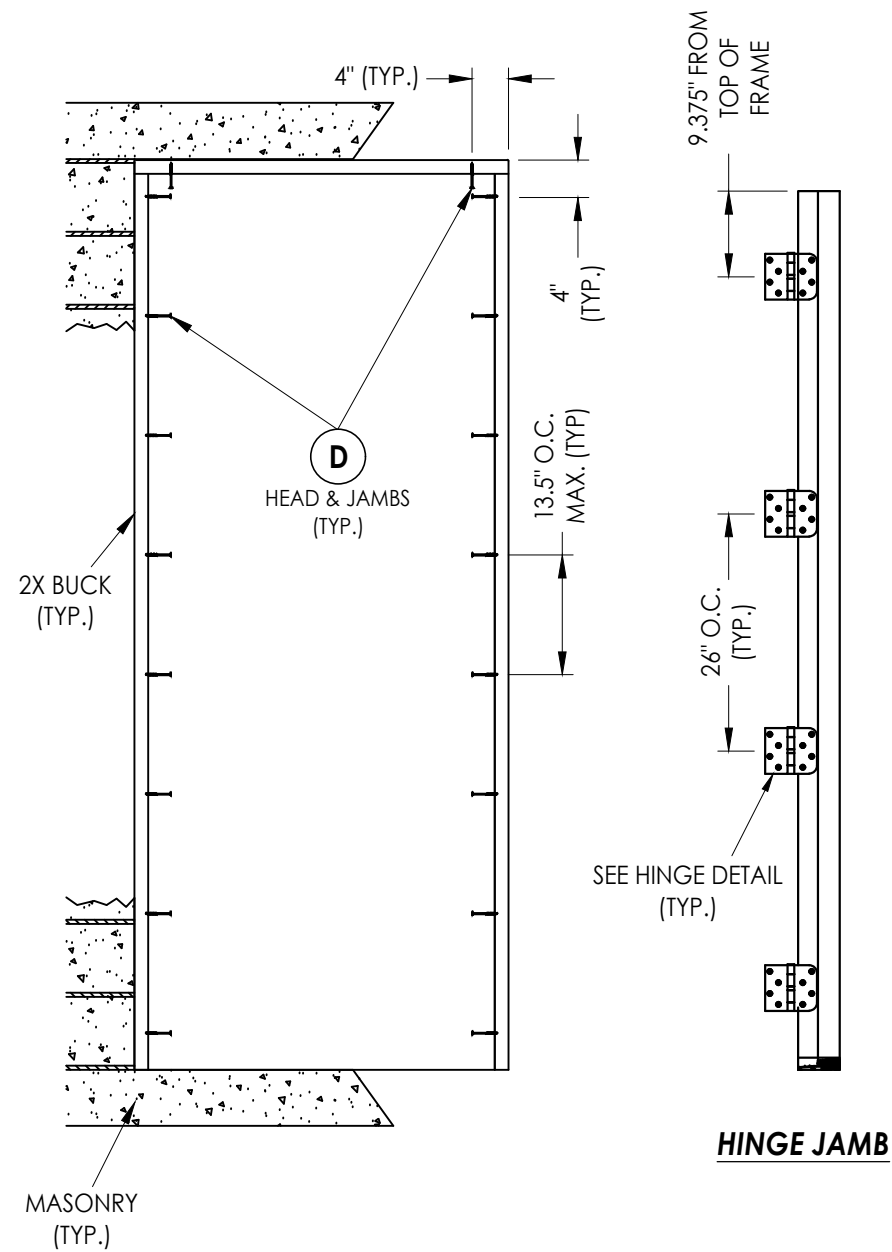
1 **VERTICAL CROSS SECTION**
6 Inswing sill



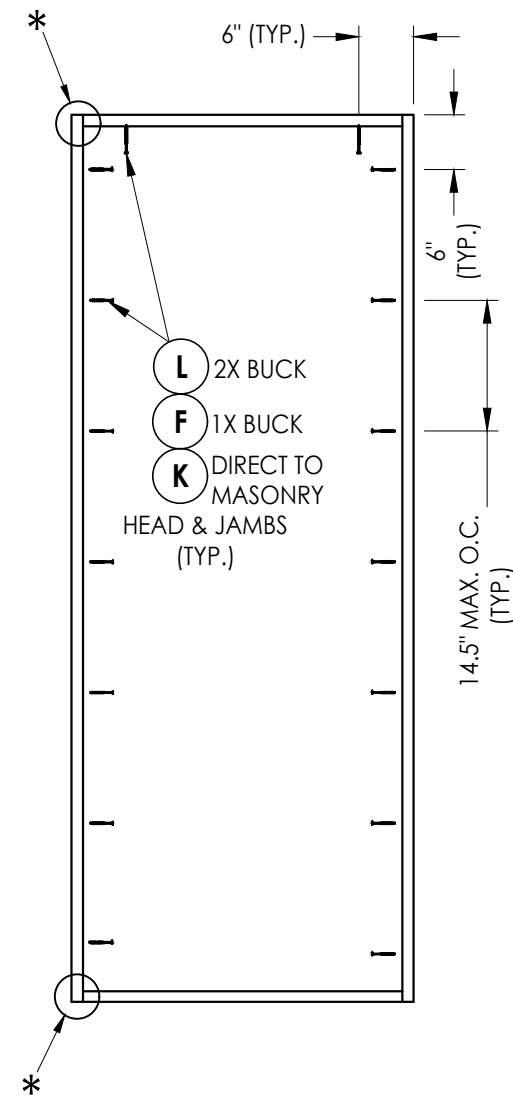
2 **VERTICAL CROSS SECTION**
6 Outswing sill

PRODUCT: TRINITY GLASS INT'L		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS		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	
DATE: 8/13/21		SCALE: N.T.S.		REVISIONS	
DWG. BY: RW		CHK. BY: LFS			
DRAWING NO.: FL-25575.19					
SHEET 6 OF 9					

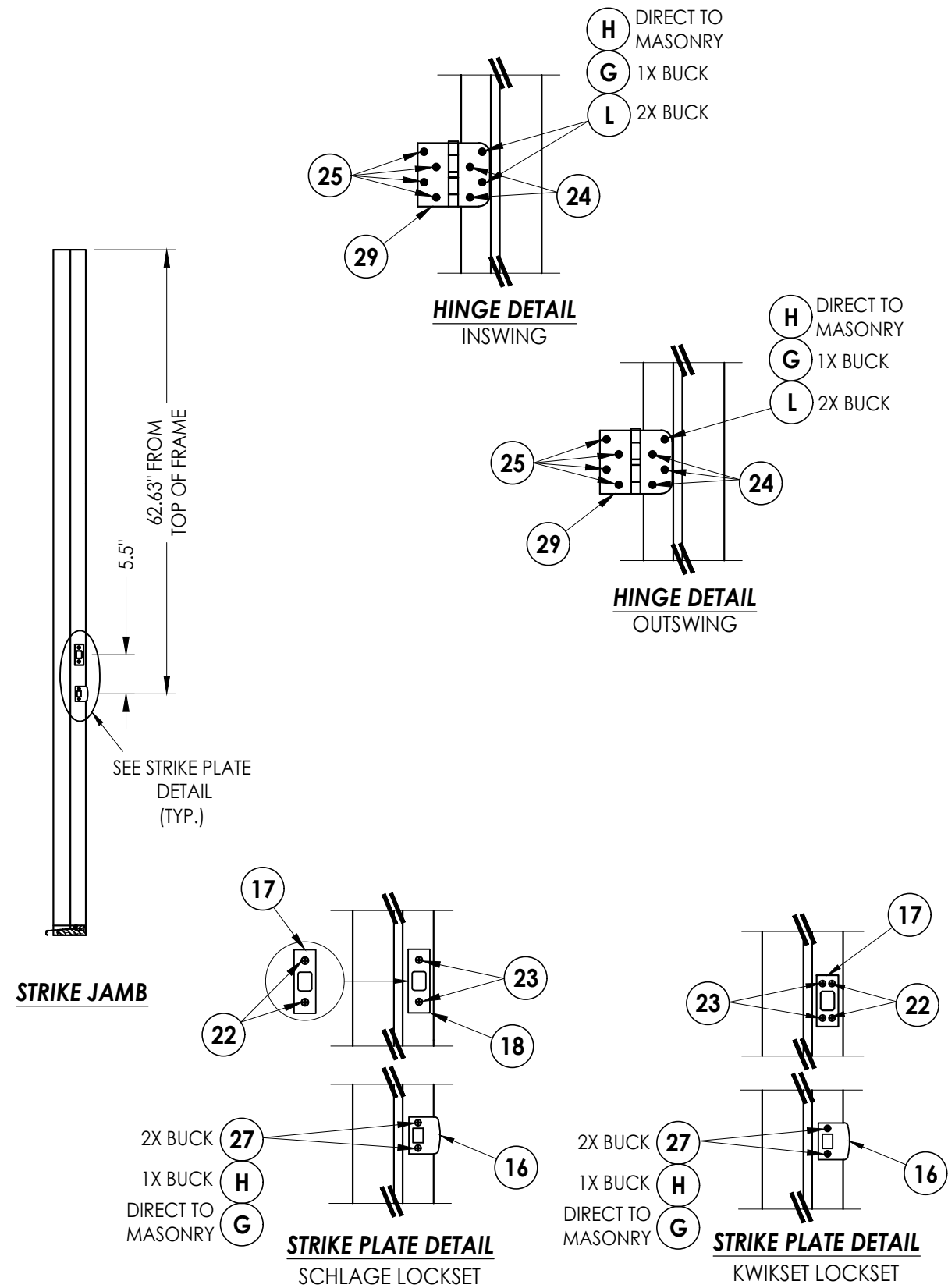
*NOTE: FRAME CORNERS ATTACHED w/ #8 X 2" COURSE THREAD DRYWALL SCREWS: (3) @ HEAD, (3) @ INSWING SILL & (2) @ OUTSWING SILL (TYP.).



2X BUCK ANCHORING



FRAME ANCHORING

[illegible]

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Technical drawing of a mechanical part with the following dimensions:

- Total length: 4.56"
- Height: 0.75"
- Bottom width: 2.45"
- Right height: 1.31"

A 3D perspective diagram showing a metal bracket being attached to a base plate. A bolt is inserted through a hole in the bracket and another hole in the base plate. A nut is being threaded onto the bolt. The base plate has a semi-circular cutout on its right side.

1.22"

Technical drawing of a rectangular box. The overall width is 4.56" and the overall height is 2.44". The box is divided into two horizontal sections. The top section contains a vertical line and a horizontal line. The bottom section contains three circles and a rectangular slot. A dimension line indicates a 5° angle for the bottom-left corner of the box.

DATE:	8/13/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-25575.19
SHEET	8 OF 9

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
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
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
27	#8 X 2-1/2" PFH WOOD SCREW	STEEL
29	4" X 4" HINGE	STEEL
31	INSWING THRESHOLD ALUMINUM w/ COMPOSITE SUBSTRATE	ALUM/ COMP
33	OUTSWING HIGH - DAM THRESHOLD ALUMINUM w/ COMPOSITE SUBSTRATE	ALUM/ COMP
40	DOOR 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 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]