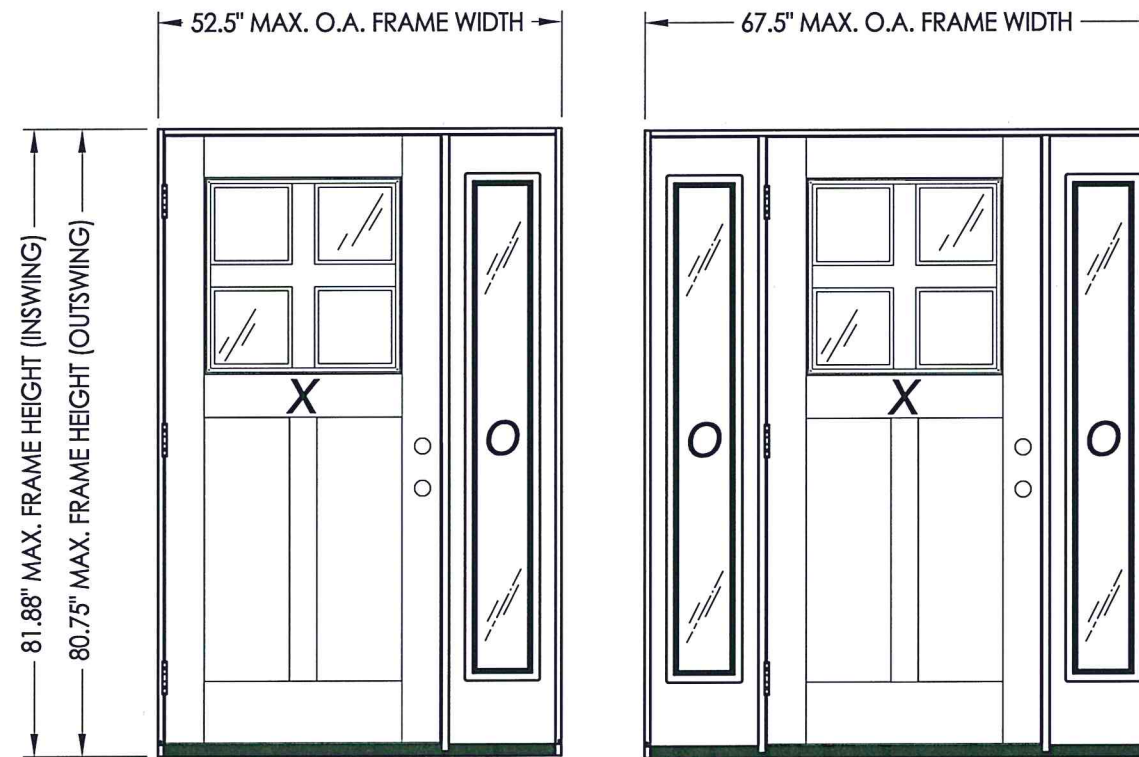


"Lighthouse" GLAZED FIBERGLASS DOOR w/ SIDELITE(S) "NON-IMPACT" IN SWING / OUT SWING

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) 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.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Sidelite panel details
4	Elevations
5	Horizontal and vertical cross sections (2x buck)
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
11	Frame anchoring
12	Components
13	Bill of materials



Continuous Head and Sill

Continuous Head and Sill

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX/XO	52.5" x 81.88"	+55.0	-60.0	+55.0	-55.0
OXO	67.5" x 81.88"	+55.0	-60.0	+55.0	-55.0

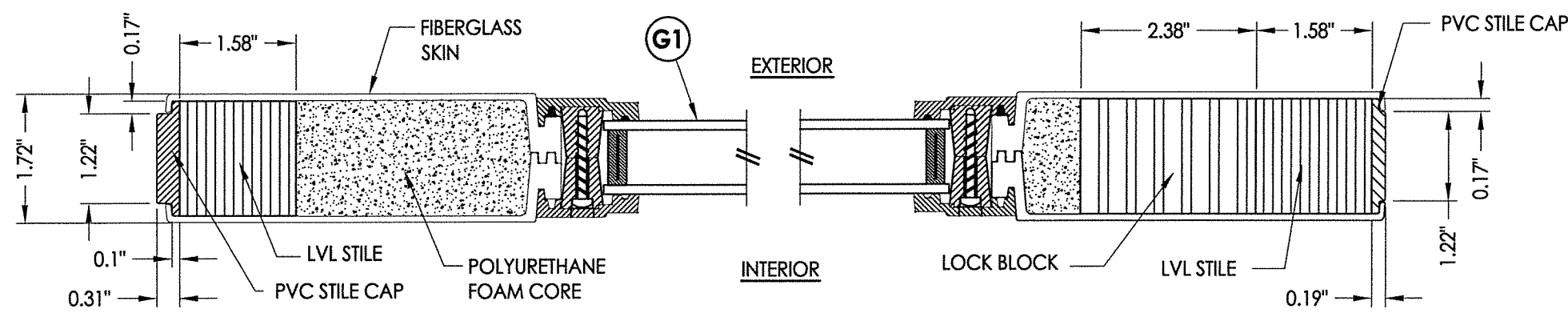
August 11, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

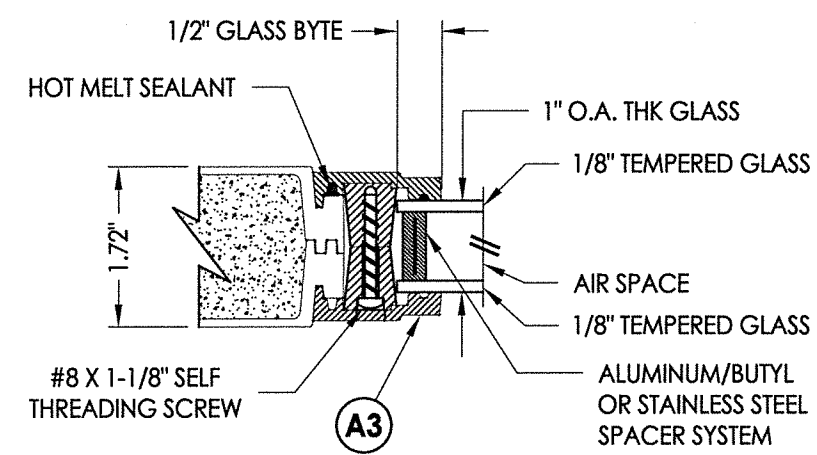
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PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
DATE	12/8/17
SCALE	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-25575.2
SHEET	1 OF 13

\\dc01\wbc\Clients\Trinity Glass PERMANENTVA - Florida Product Approvals\FL - 25575\C. Drawings\FL 25575 (2020)\FL-25575.1-3.dwg

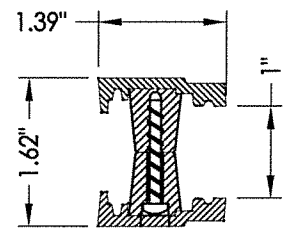
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1
2 HORIZONTAL CROSS SECTION

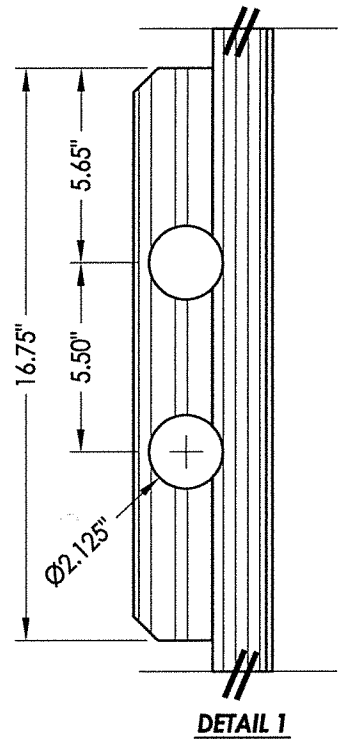


G1 GLAZING DETAIL

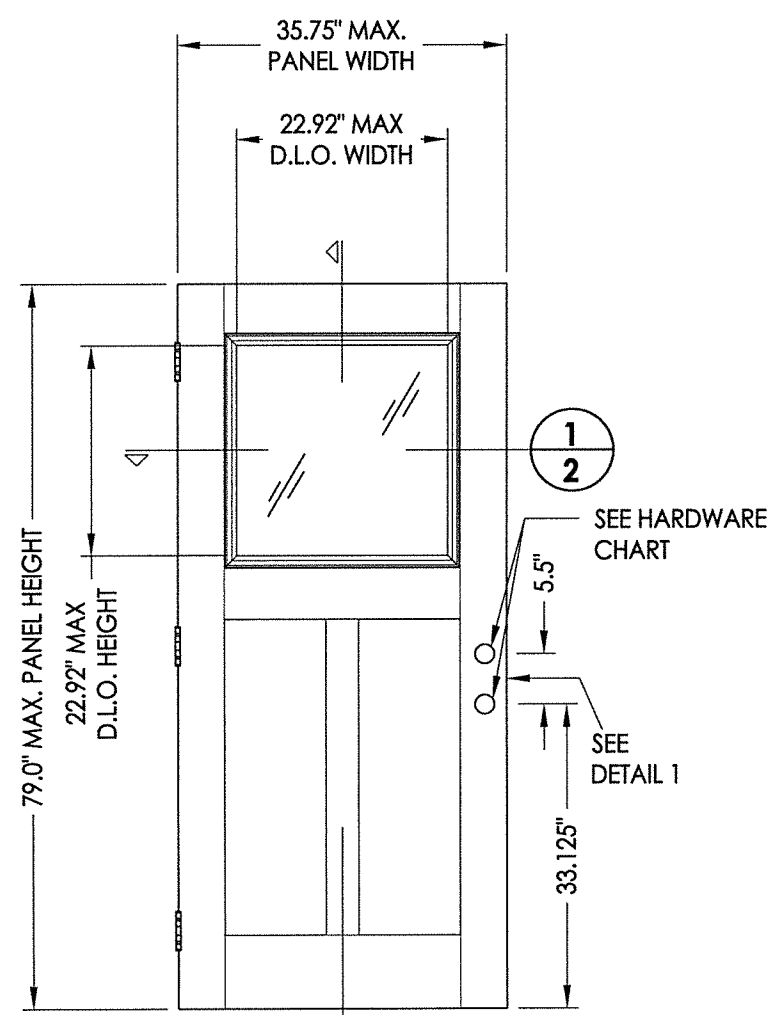


A3 FRAME FIBERGLASS

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

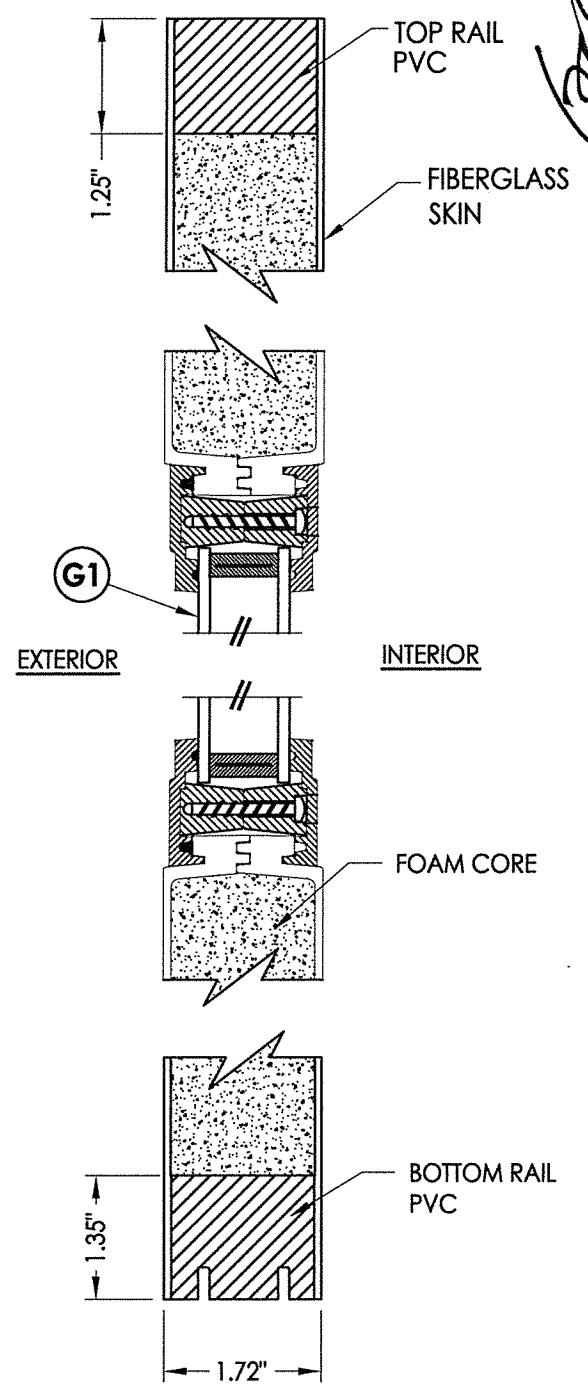


DETAIL 1

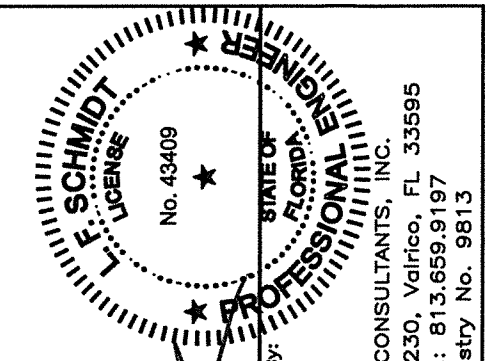


40 GLAZED DOOR LIGHTHOUSE

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



2
2 VERTICAL CROSS SECTION



August 11, 2020
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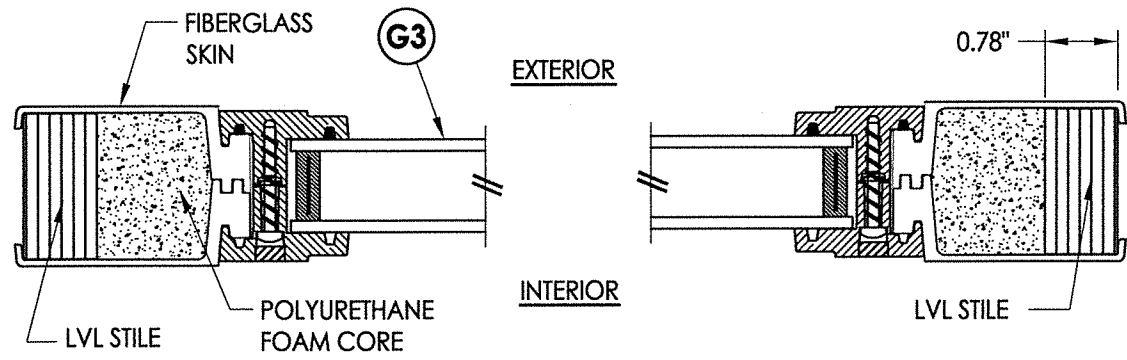
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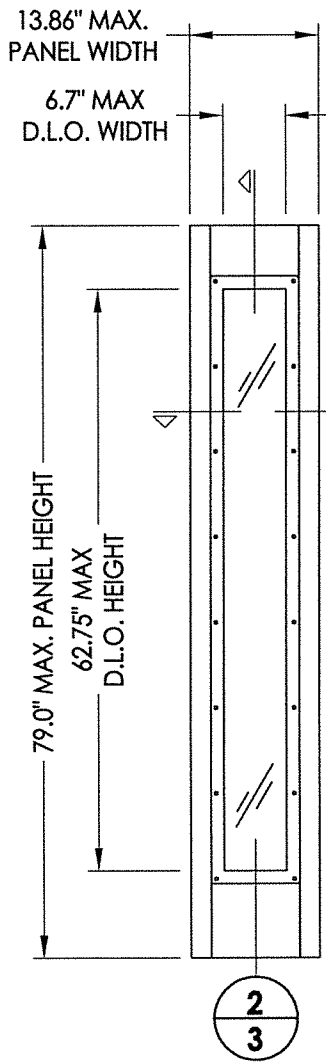
DATE:	12/8/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-25575.2
SHEET	2 OF 13

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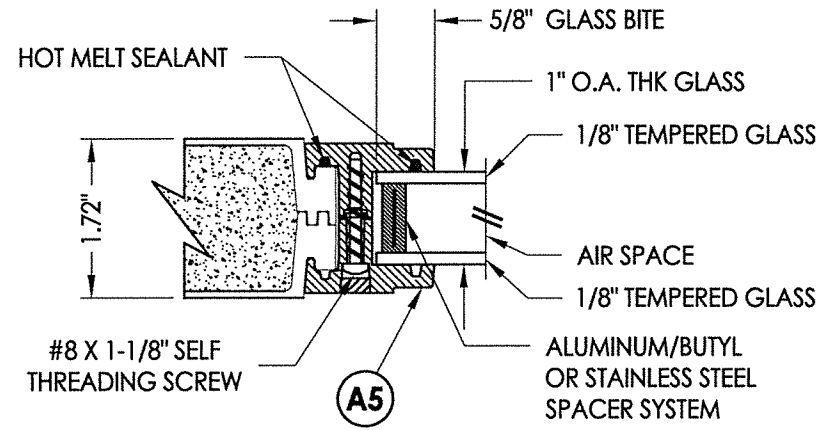
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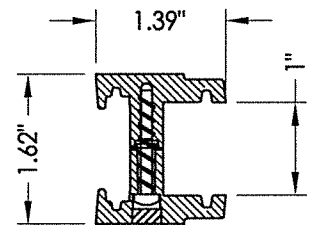
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3 HORIZONTAL CROSS SECTION



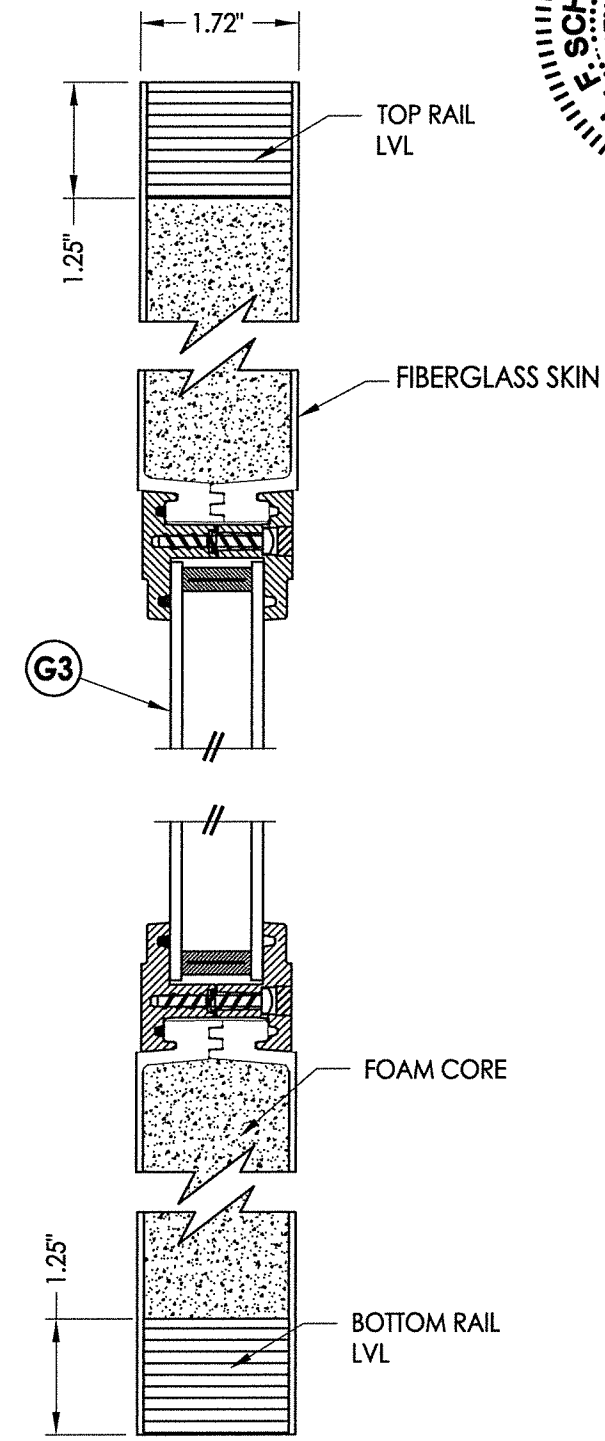
70 SIDELITE PANEL



G3 GLAZING DETAIL



A5 FRAME ABS

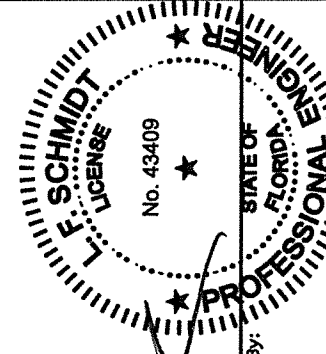
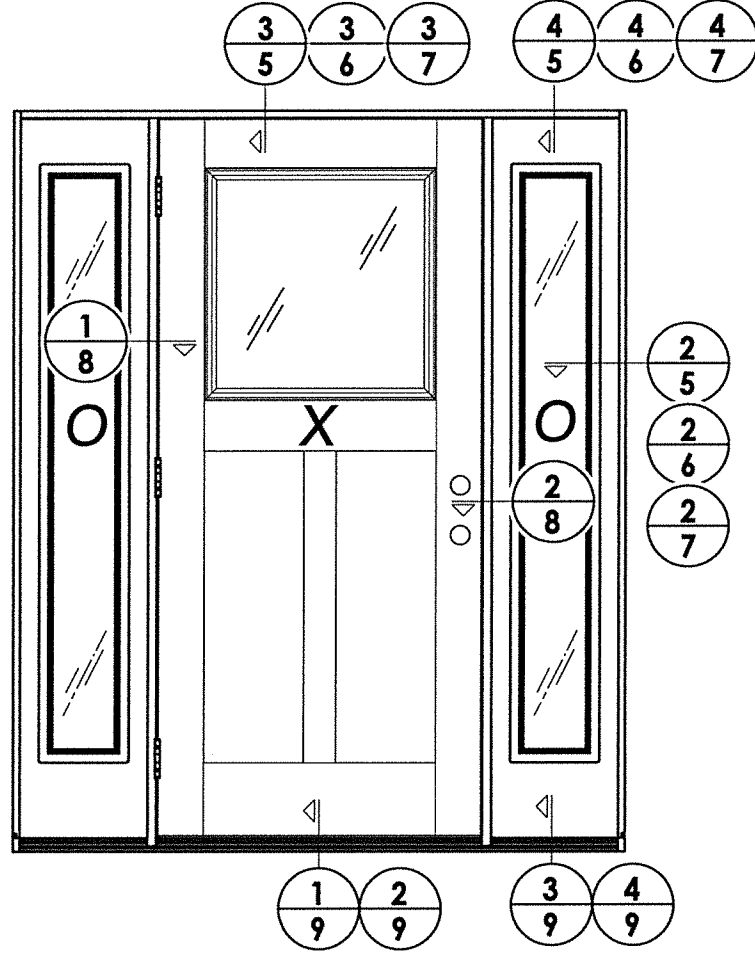
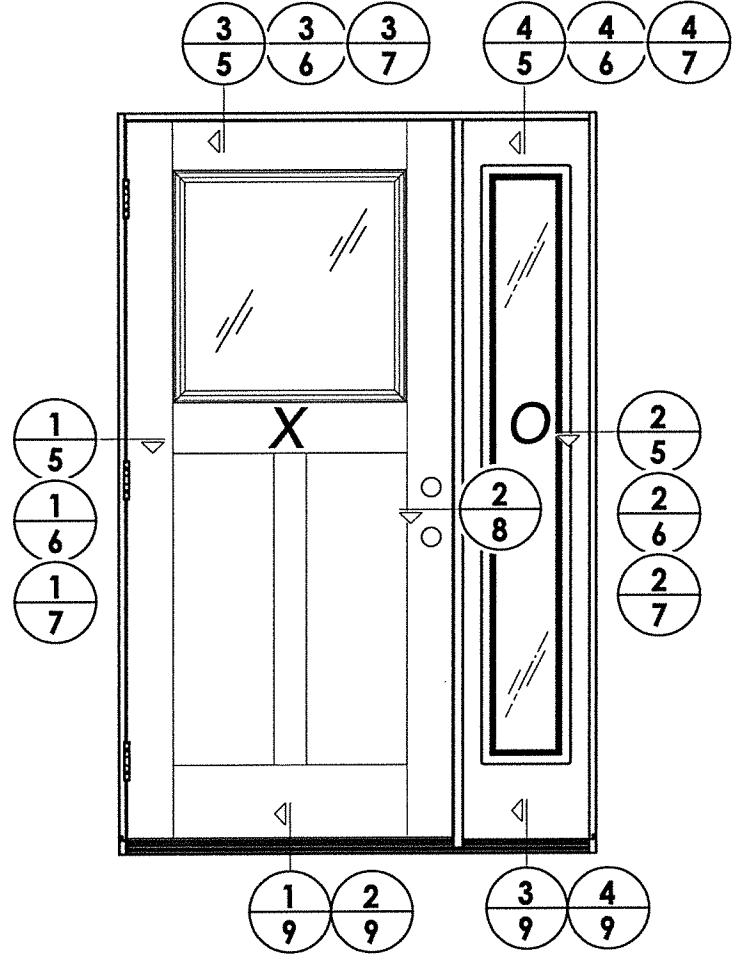


2
3 VERTICAL CROSS SECTION

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PRODUCT:	TRINITY GLASS INT'L		
PART OR ASSEMBLY:	SIDELITE PANEL DETAILS		
NO.	DATE	DESCRIPTION	BY
2	8/11/20	UPDATE TO 7th ED. (2020) FBC	DAC
1	2/04/20	DEFINE MODEL DESCRIPTION	RW
REVISIONS			
DATE:	12/8/17		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	FL-25575.2		
SHEET	3	OF	13

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

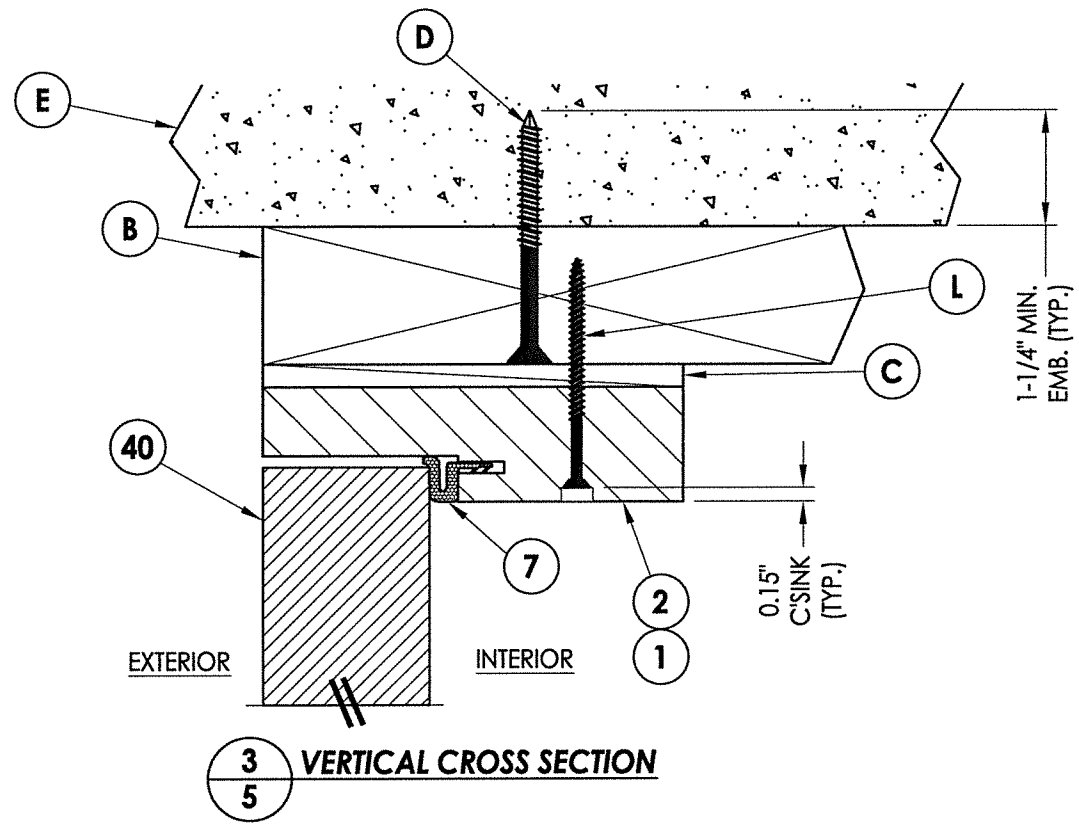


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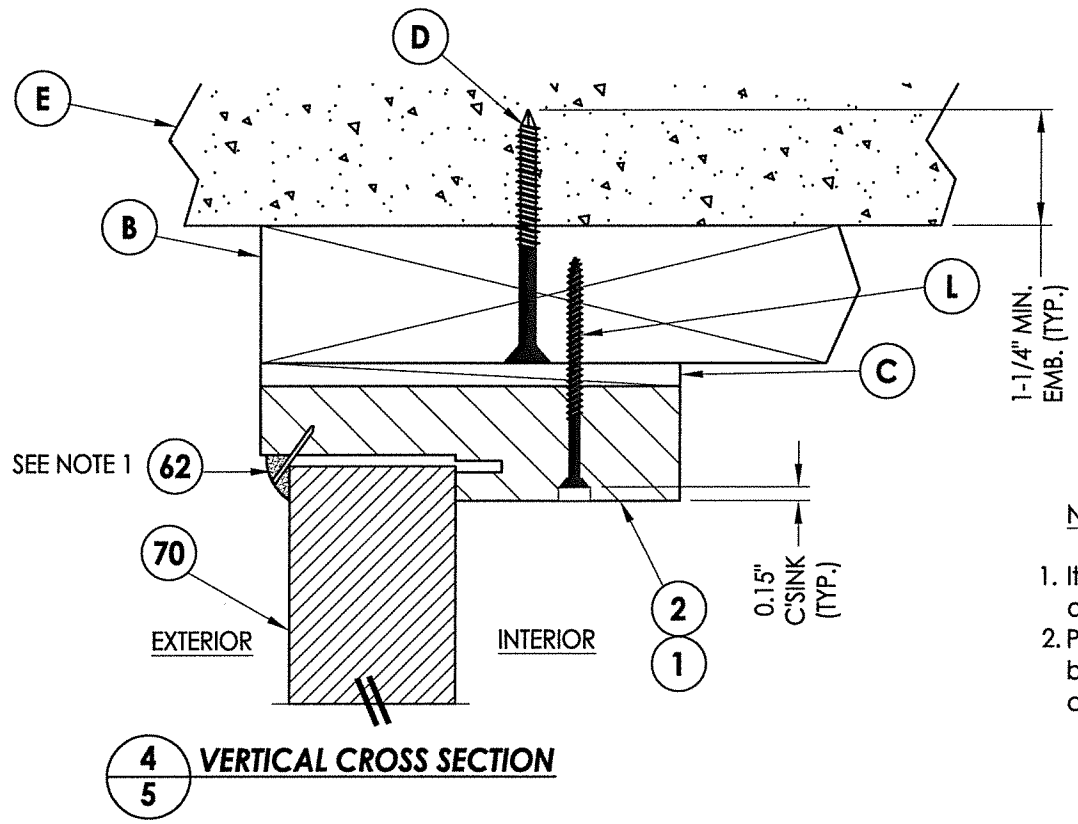
RW
 BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L	
PART OR ASSEMBLY: ELEVATIONS	
NO.	DATE
2	8/11/20
1	2/04/20
REVISIONS	
DATE:	12/8/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-25575.2
SHEET	4 OF 13

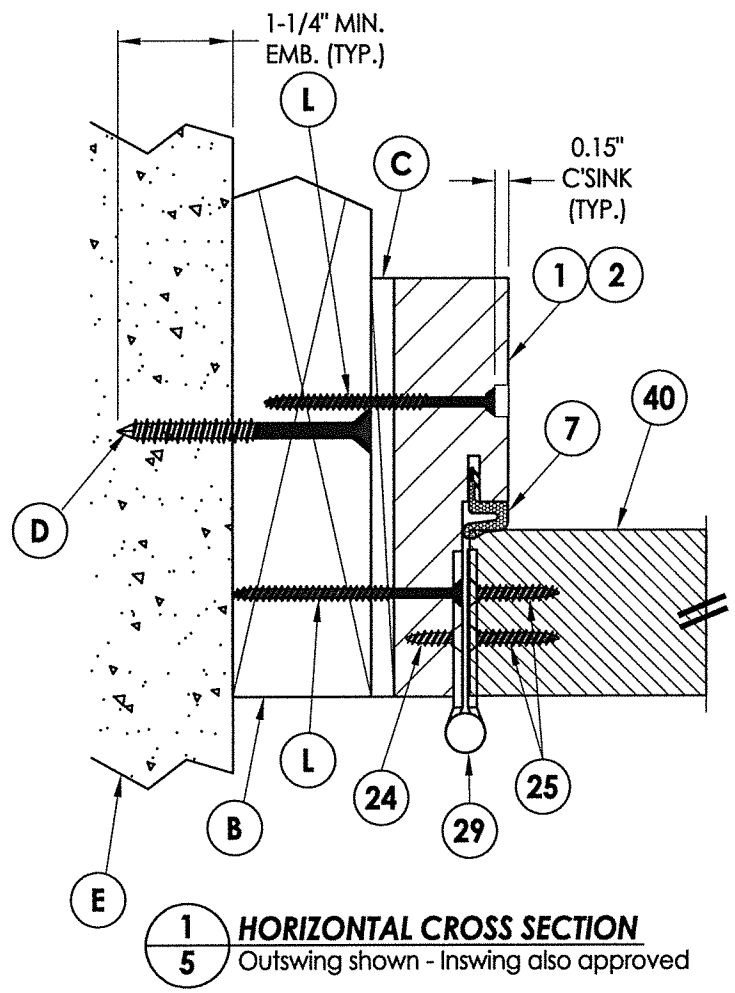
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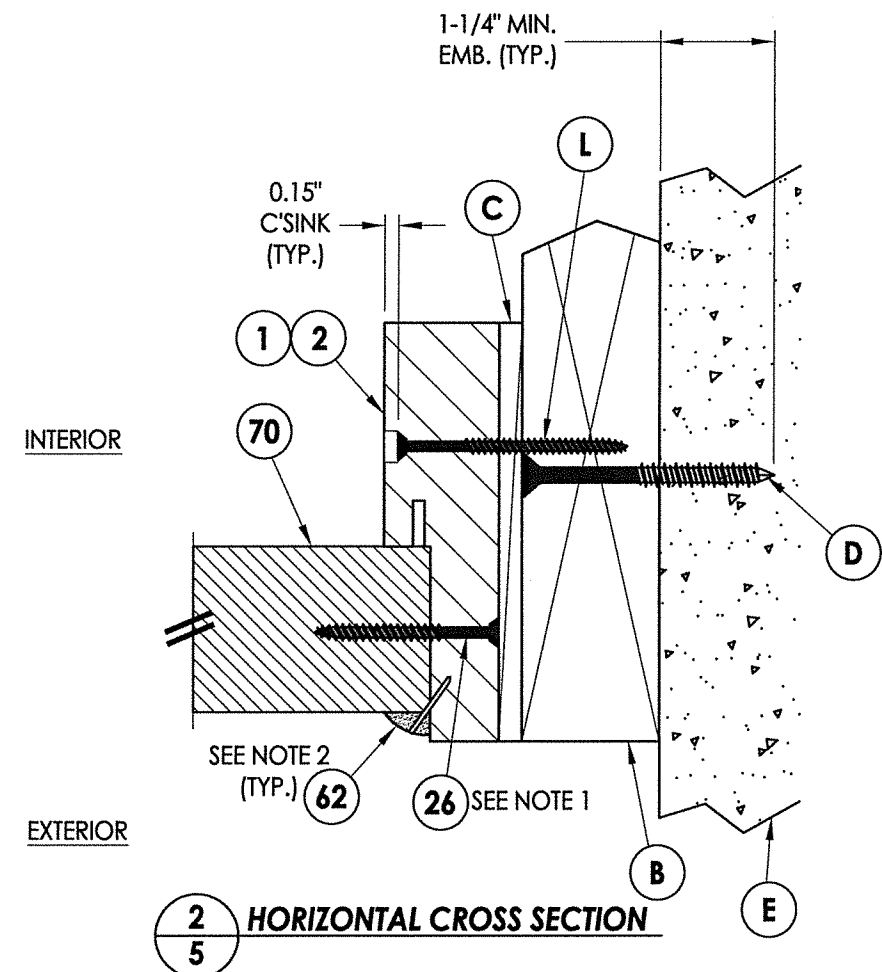
3
5 VERTICAL CROSS SECTION



4
5 VERTICAL CROSS SECTION

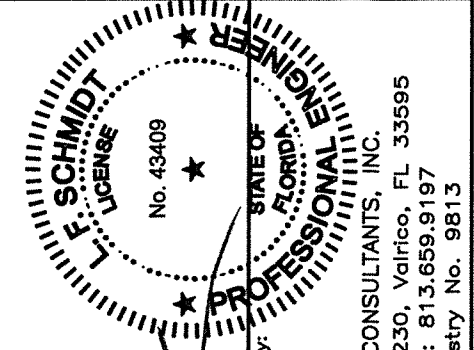


1
5 HORIZONTAL CROSS SECTION
Outswing shown - Inswing also approved



2
5 HORIZONTAL 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.

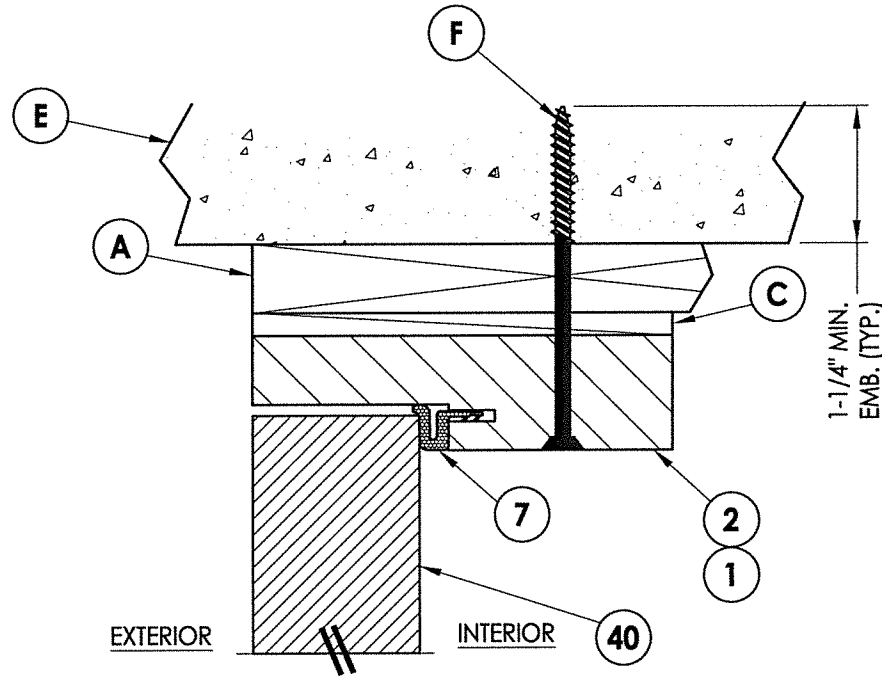


August 11, 2020
 Documents Prepared By:
 Lyndon F. Schmidt
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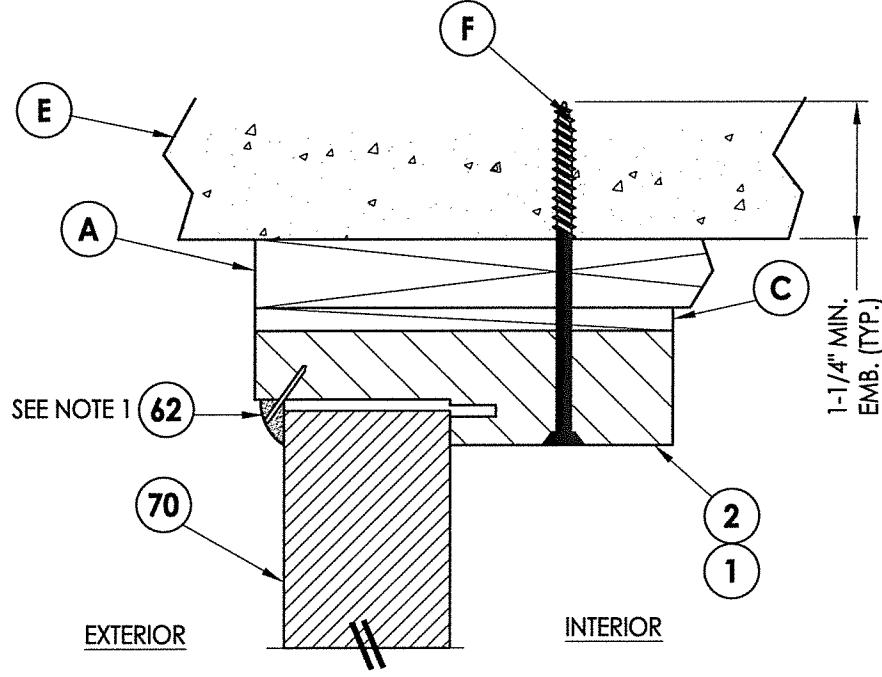
R.W. BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT:		TRINITY GLASS INT'L	
PART OR ASSEMBLY:		HORIZONTAL AND VERTICAL CROSS SECTIONS (2X BUCK)	
NO.	DATE	BY	REVISIONS
2	8/11/20	DAC	UPDATE TO 7th ED. (2020) FBC
1	2/04/20	RW	DEFINE MODEL DESCRIPTION
DATE: 12/8/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-25575.2			
SHEET 5 OF 13			

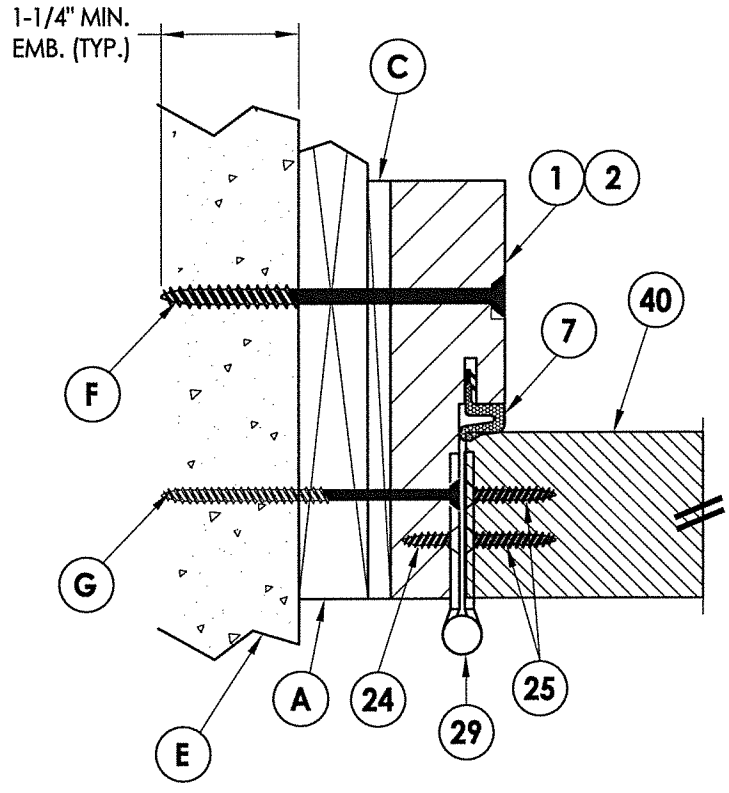
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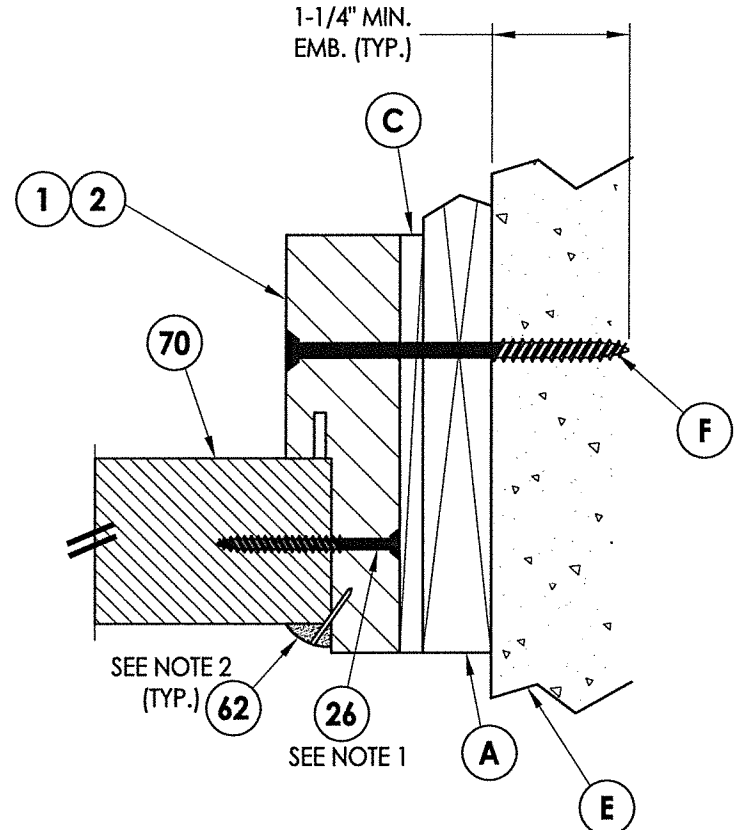
3 VERTICAL CROSS SECTION
6



4 VERTICAL CROSS SECTION
6

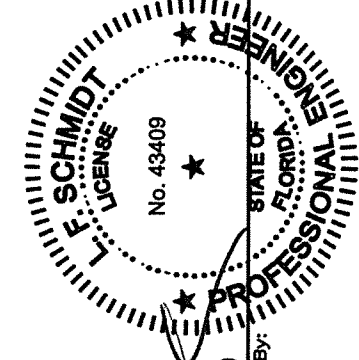


1 HORIZONTAL CROSS SECTION
6 Outswing shown - Inswing also approved



2 HORIZONTAL CROSS SECTION
6

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.

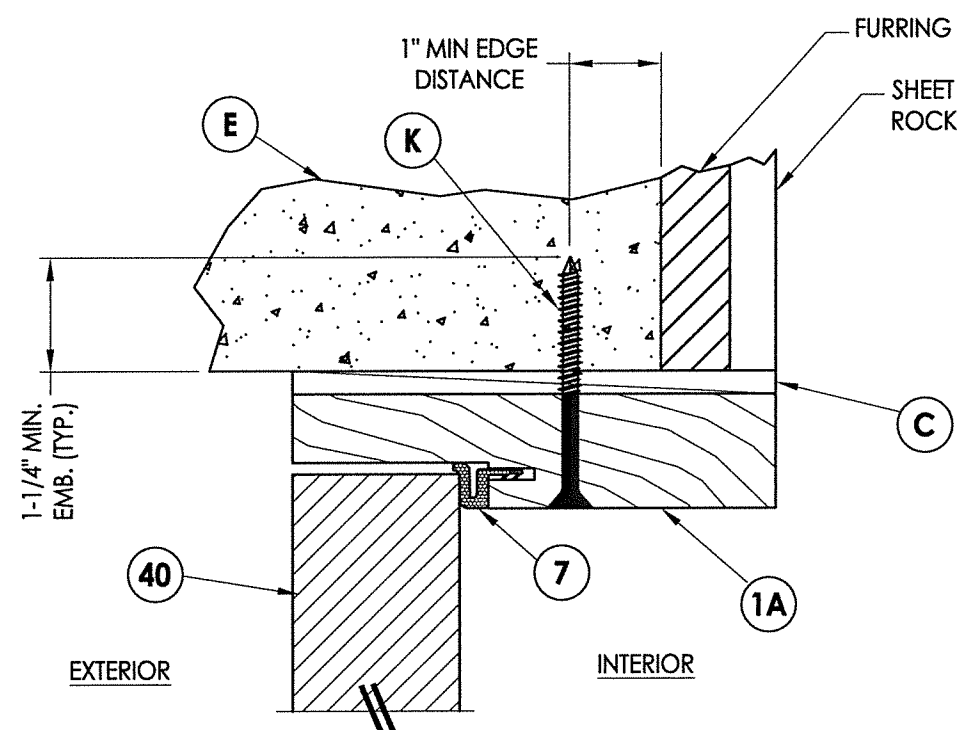


August 11, 2020
Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

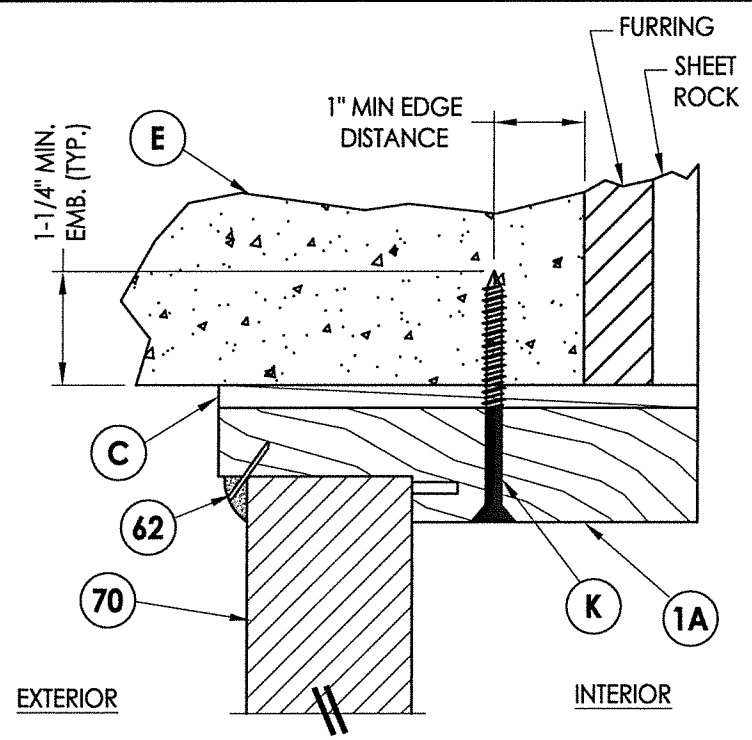
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NO	DATE	REVISIONS	
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1	2/04/20	DEFINE MODEL DESCRIPTION	RW
			BY
DATE: 12/8/17		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-25575.2		SHEET 6 OF 13	

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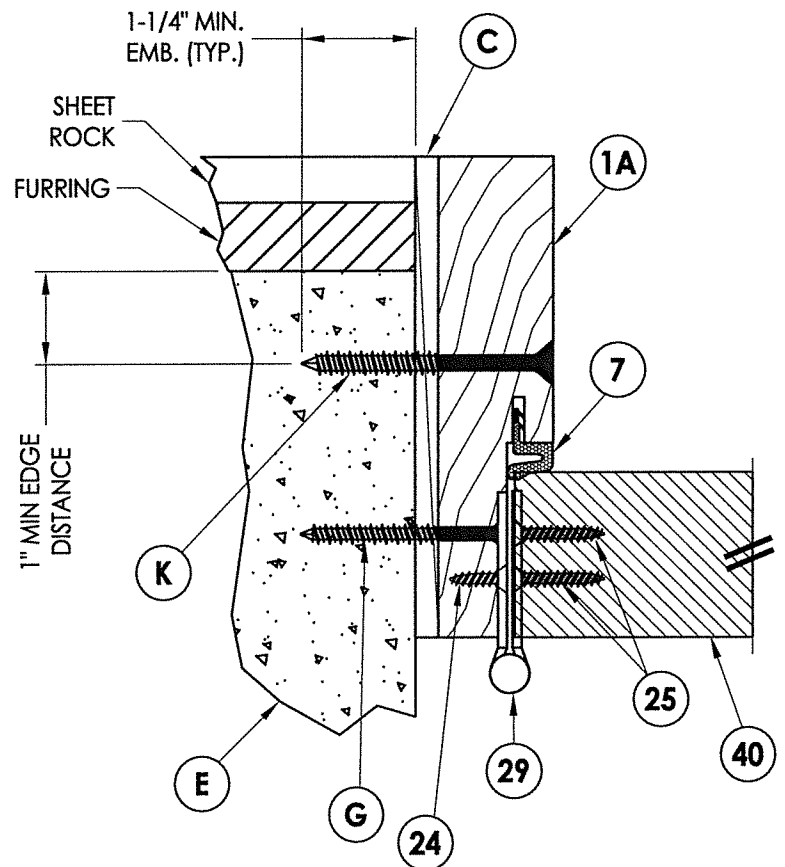


3 VERTICAL CROSS SECTION
7 Outswing only

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.



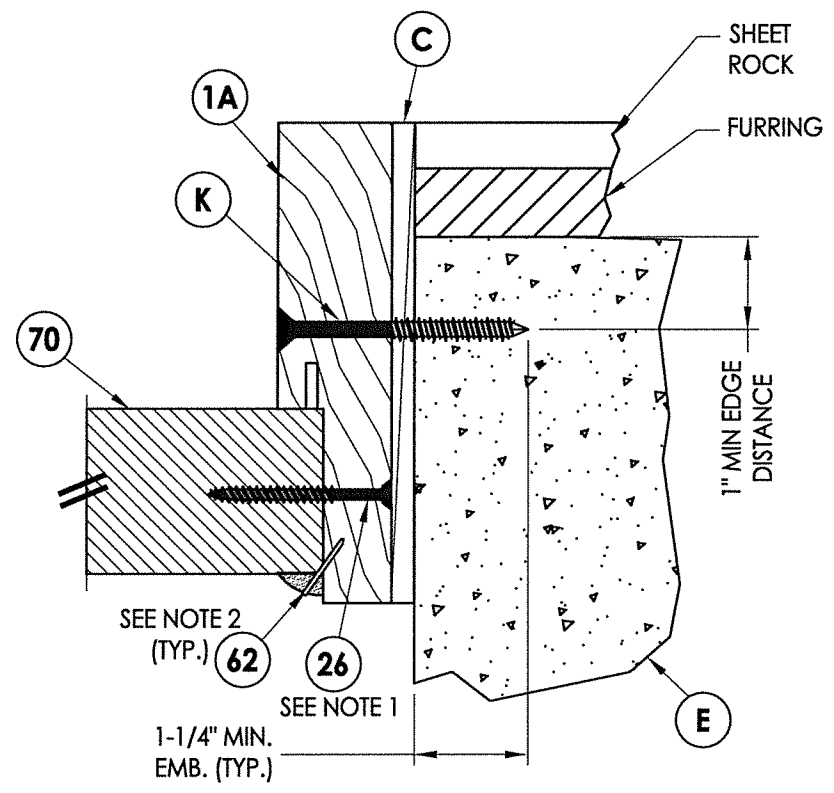
4 VERTICAL CROSS SECTION
7 Outswing only



1 HORIZONTAL CROSS SECTION
7 Outswing only

INTERIOR

EXTERIOR



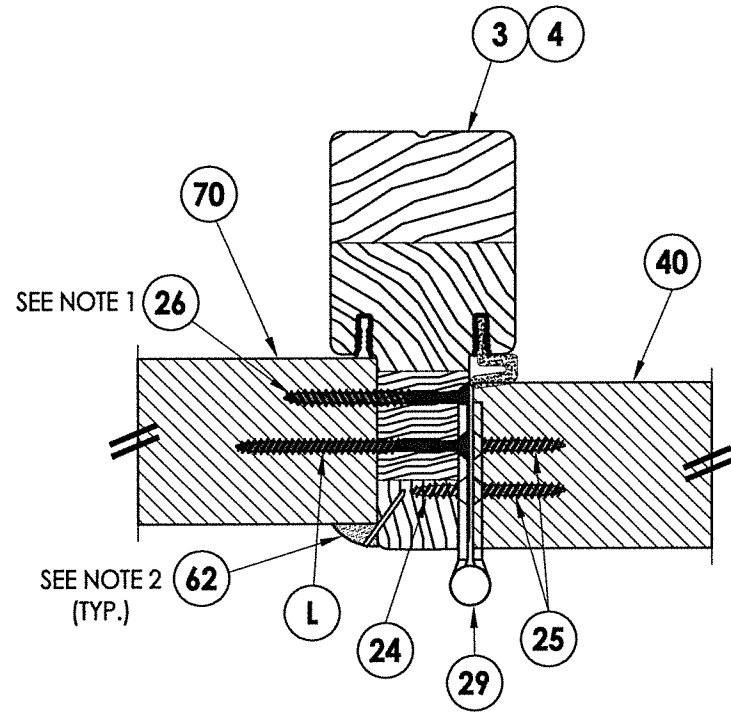
2 HORIZONTAL CROSS SECTION
7 Outswing only

August 11, 2020
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E. SCHMIDT
FLORIDA
LICENSE
No. 43409

R.W.
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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	DESCRIPTION	BY
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1	2/04/20	DEFINE MODEL DESCRIPTION	RW
REVISIONS			
DATE: 12/8/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-25575.2			
SHEET 7 OF 13			

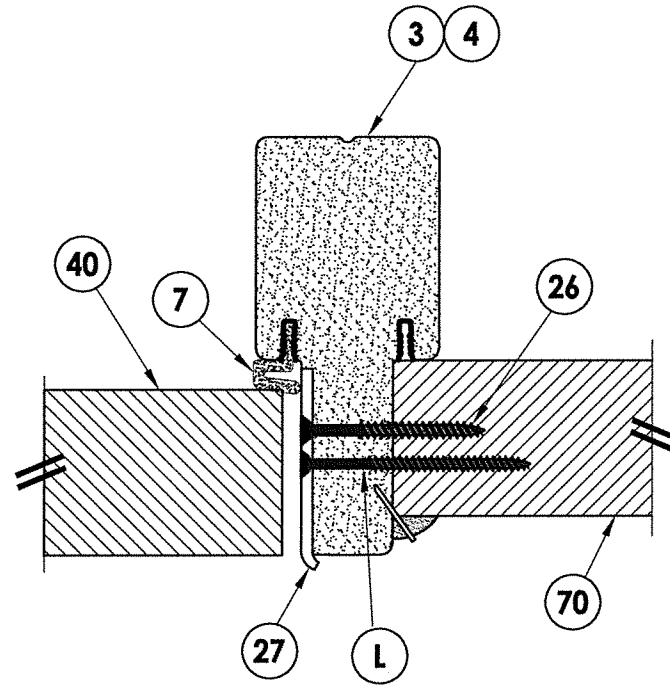


1 HORIZONTAL CROSS SECTION
8 Outswing shown - Inswing also approved

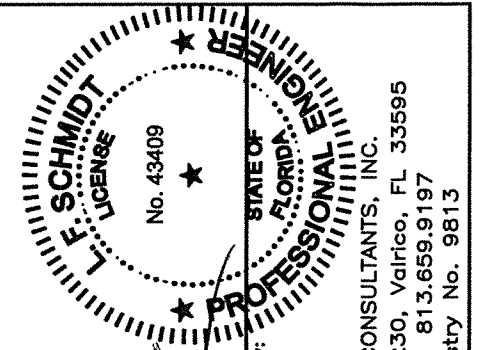
- NOTE:**
- Item #26 located 6" from each end and 3 more equally spaced (5 total).
 - PVC Quarter round attached with 18 GA. brad nail 3" from each end then 8" on center thereafter.

INTERIOR

EXTERIOR



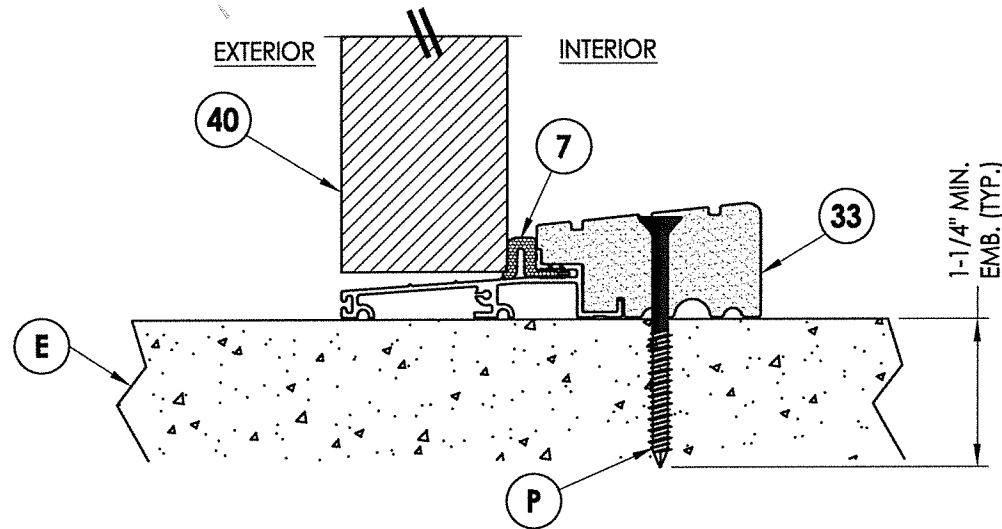
2 HORIZONTAL CROSS SECTION
8 Outswing shown - Inswing also approved



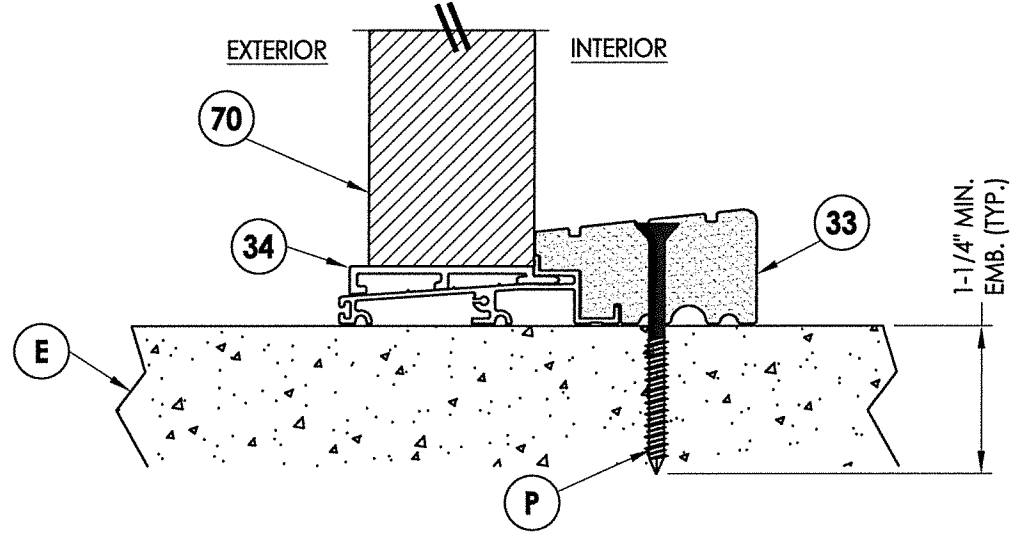
August 11, 2020
 Documents Prepared By:
 Lyndon F. Schmidt
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 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L	
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
NO.	DATE
2	8/11/20
1	2/04/20
REVISIONS	
DATE:	12/8/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-25575.2
SHEET	8 OF 13

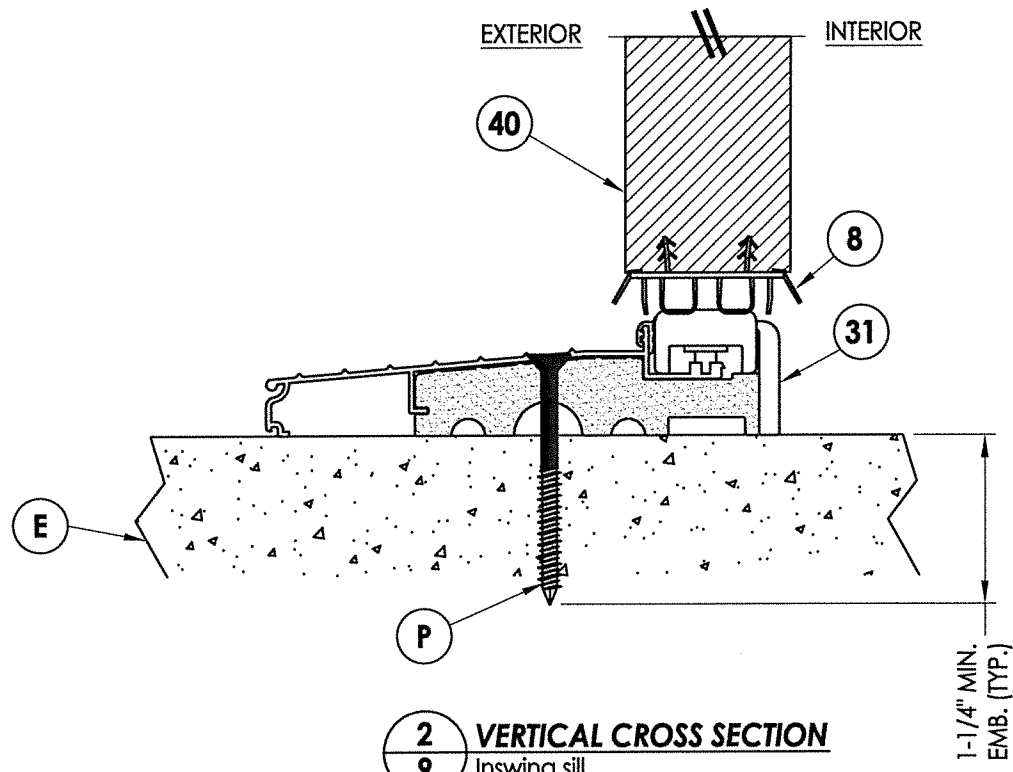
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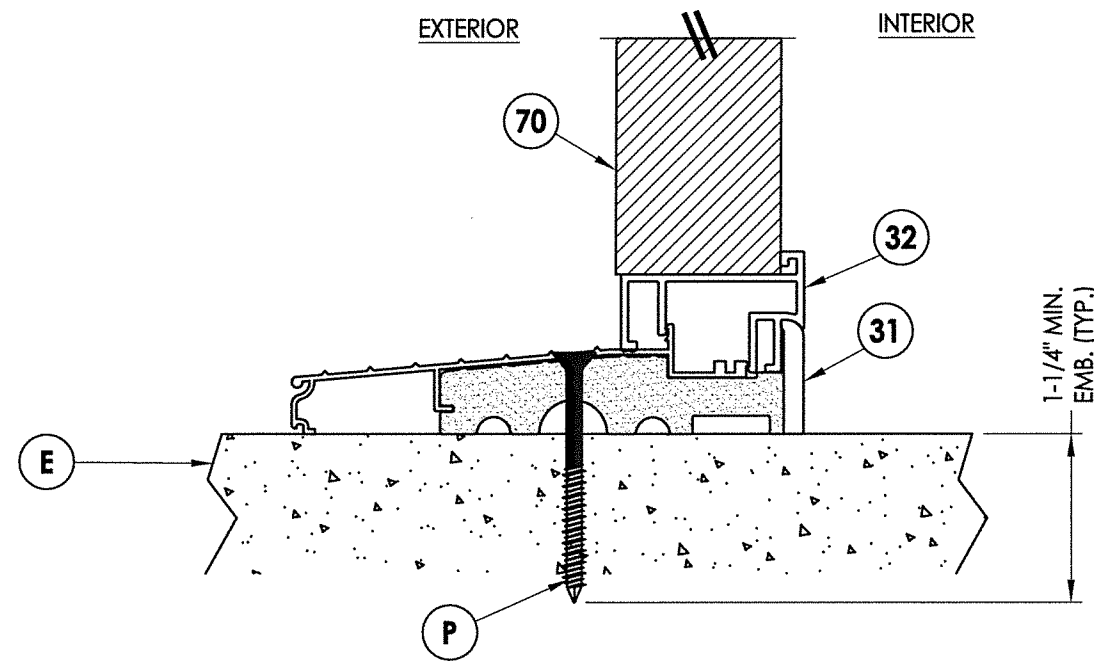
1 VERTICAL CROSS SECTION
9 Outswing sill - high dam



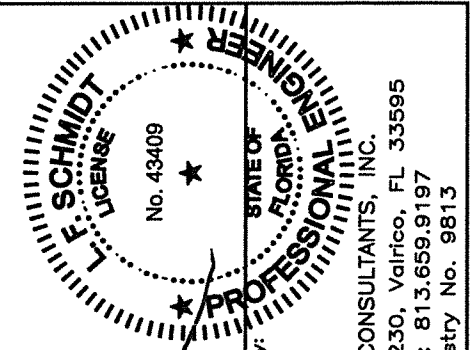
3 VERTICAL CROSS SECTION
9 Outswing sill - high dam



2 VERTICAL CROSS SECTION
9 Inswing sill



4 VERTICAL CROSS SECTION
9 Inswing sill



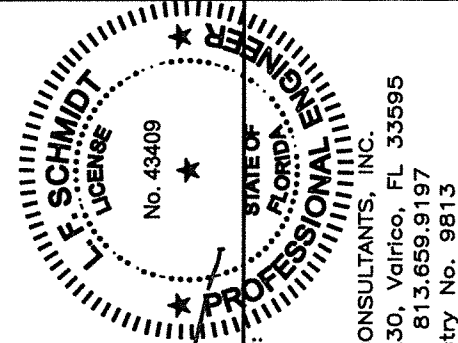
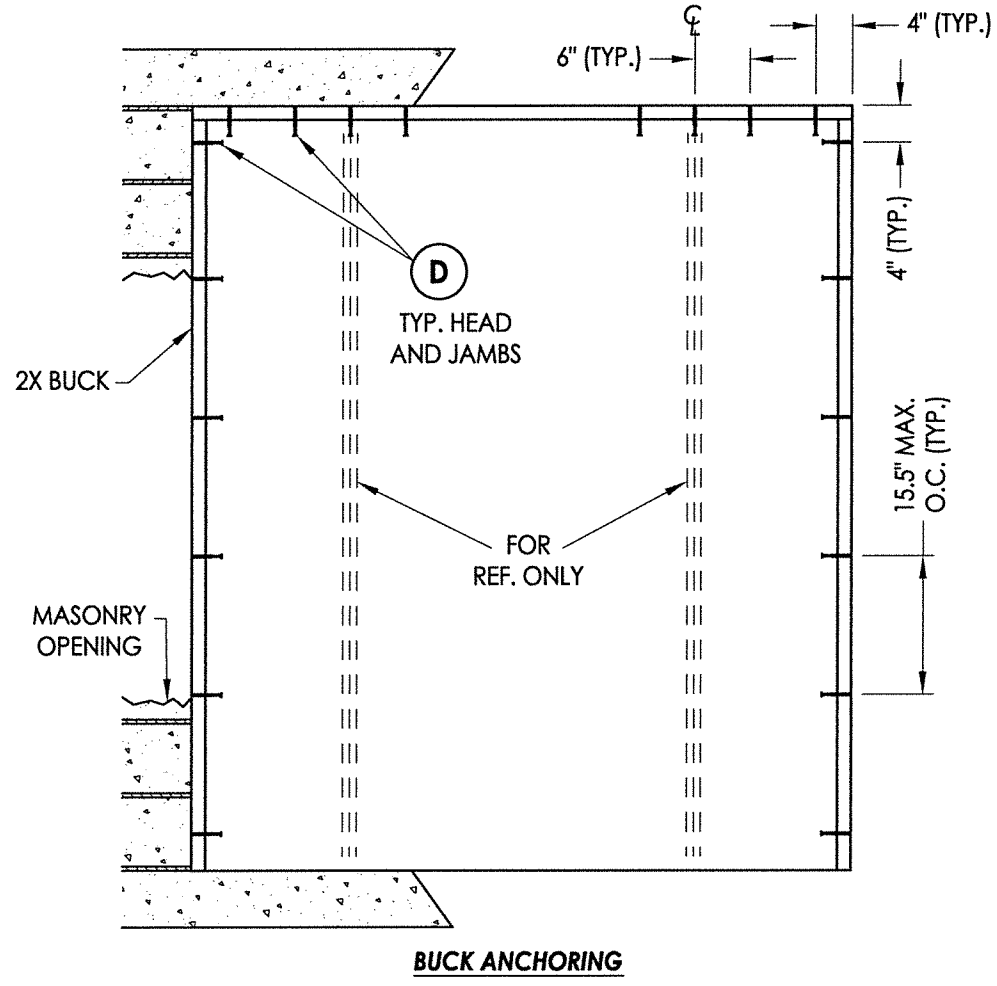
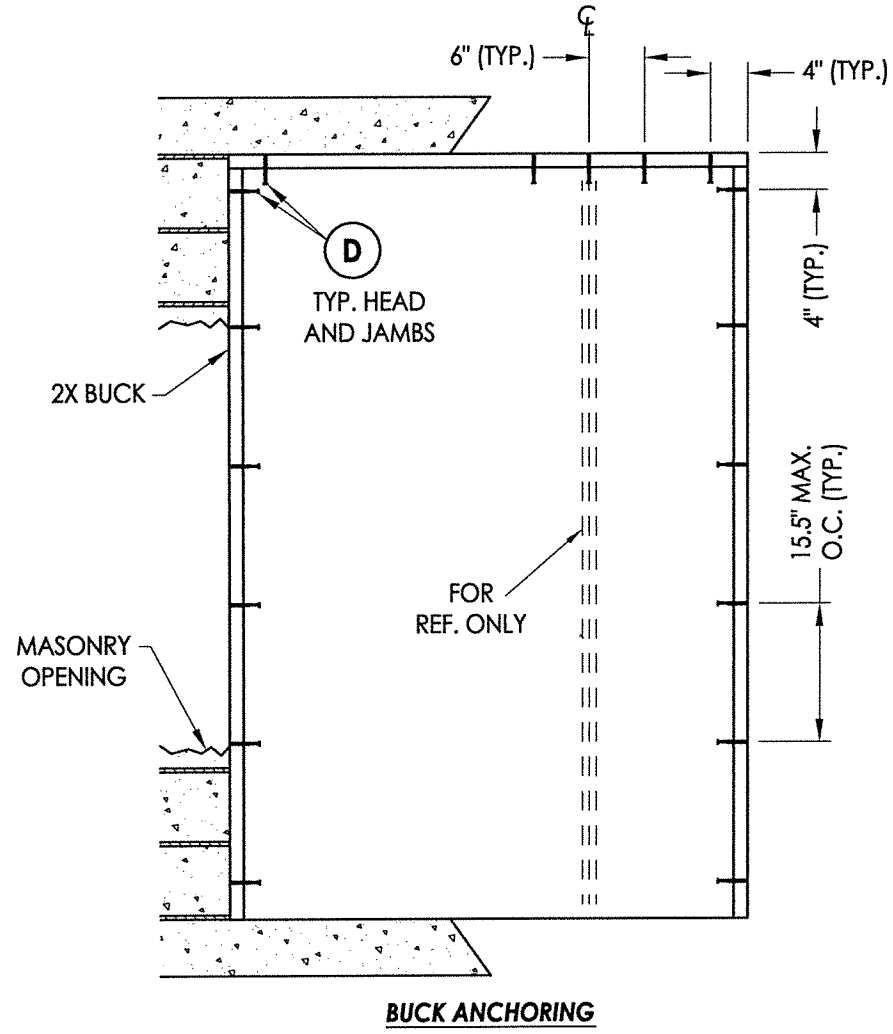
LFS


August 11, 2020
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

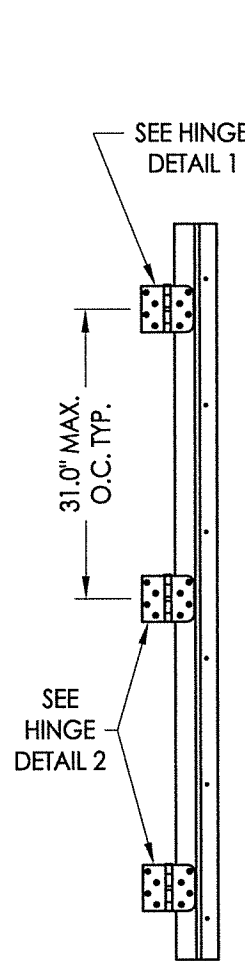
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PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
2	8/11/20	DAC	UPDATE TO 7th ED. (2020) FBC
1	2/04/20	RW	DEFINE MODEL DESCRIPTION
DATE: 12/8/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-25575.2			
SHEET 9 OF 13			

\\dc01\wbc\Clients\Trinity Glass PERMANENTVA - Florida Product Approvals\FL - 25575\C. Drawings\FL 25575 (2020)\FL-25575.1-3.dwg

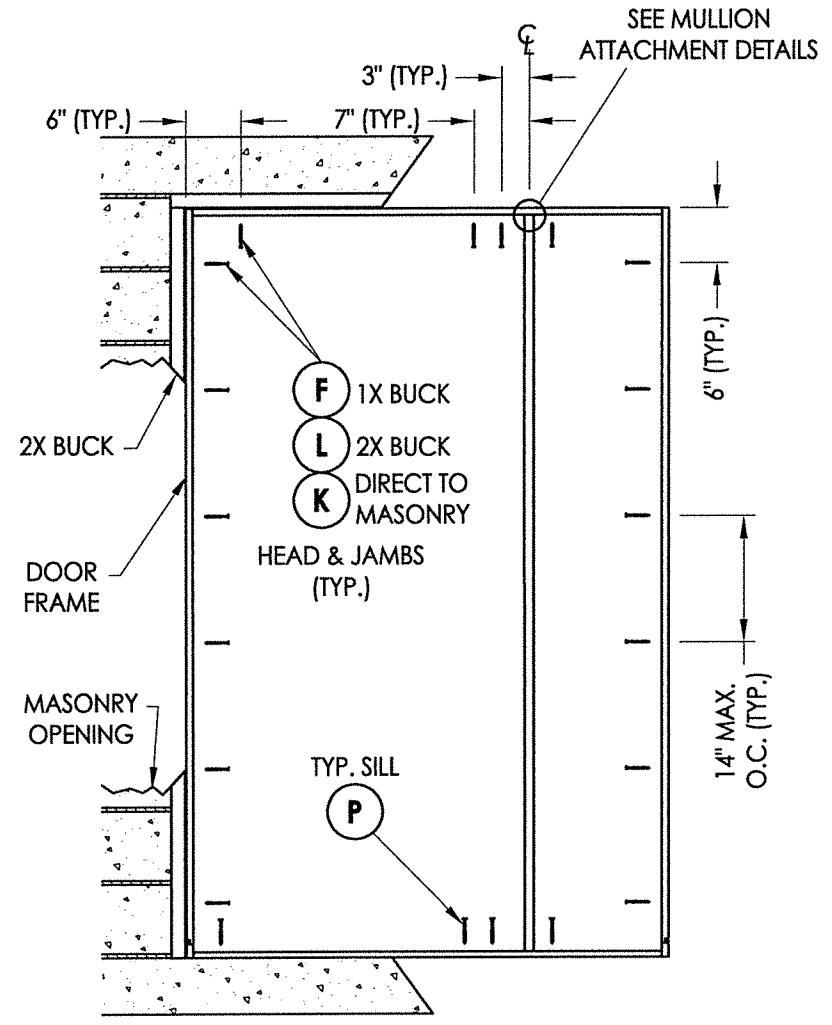



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 Documents Prepared By:
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 FBPE Registry No. 9813

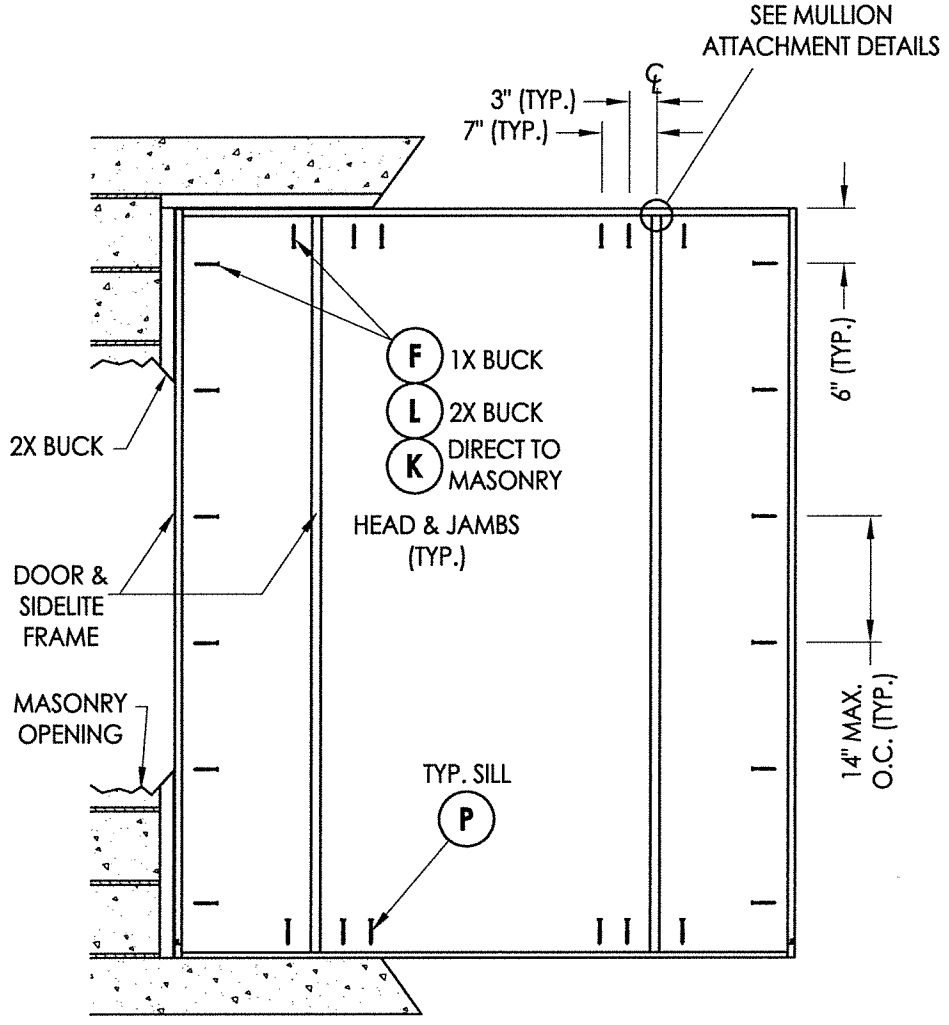
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CHK. BY: LFS		NO. DATE	
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SHEET 10 OF 13		1 2/04/20 DEFINE MODEL DESCRIPTION RW BY	



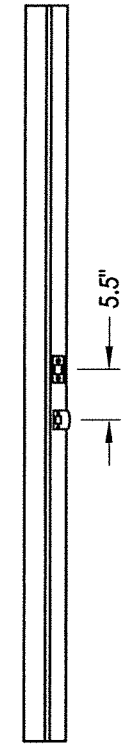
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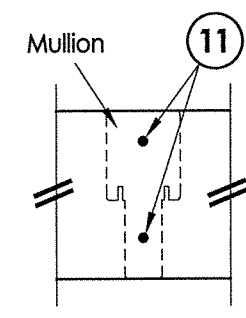
FRAME ANCHORING
Masonry construction



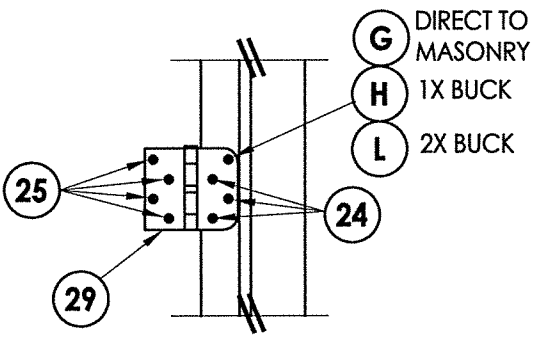
FRAME ANCHORING
Masonry construction



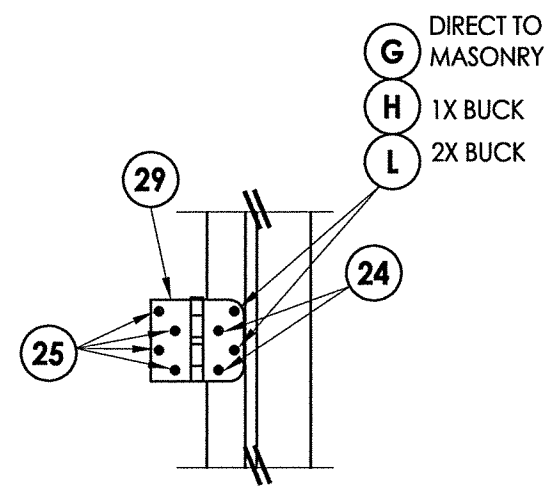
STRIKE JAMB



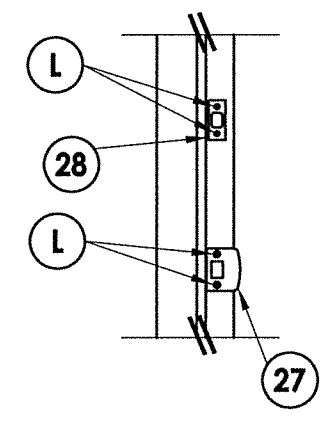
MULLION ATTACHMENT DETAILS
Required at the head and sill



HINGE DETAIL 2



HINGE DETAIL 1



STRIKE PLATE DETAIL

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 43409

August 11, 2020
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409

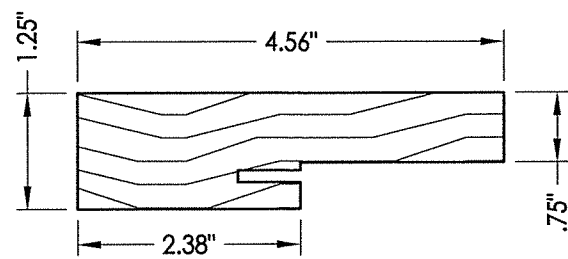
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT:	TRINITY GLASS INT'L
PART OR ASSEMBLY:	FRAME ANCHORING

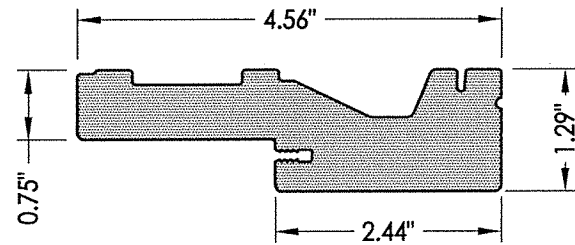
NO.	DATE	REVISIONS
2	8/11/20	UPDATE TO 7th ED. (2020) FBC
1	2/04/20	DEFINE MODEL DESCRIPTION
		BY

DATE:	12/8/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-25575.2
SHEET	11 OF 13

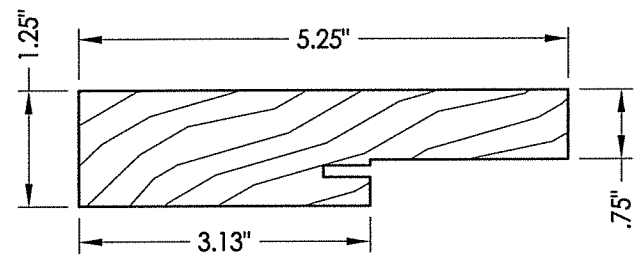
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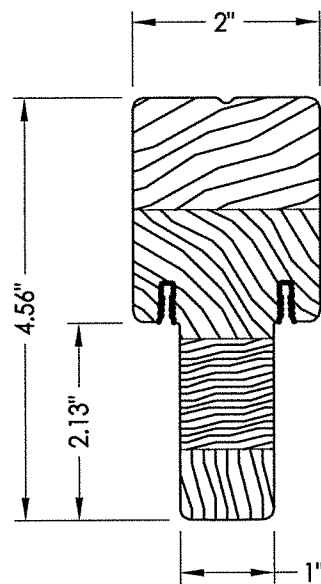
1 HEAD AND JAMBS
Wood



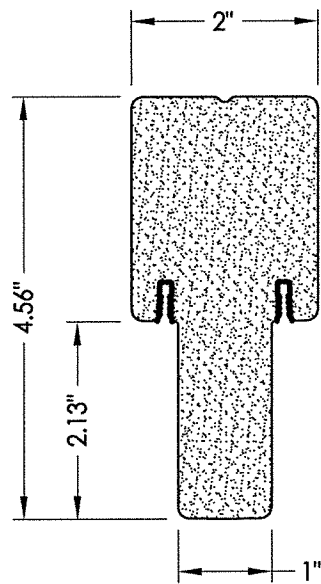
2 HEAD AND JAMBS
PVC



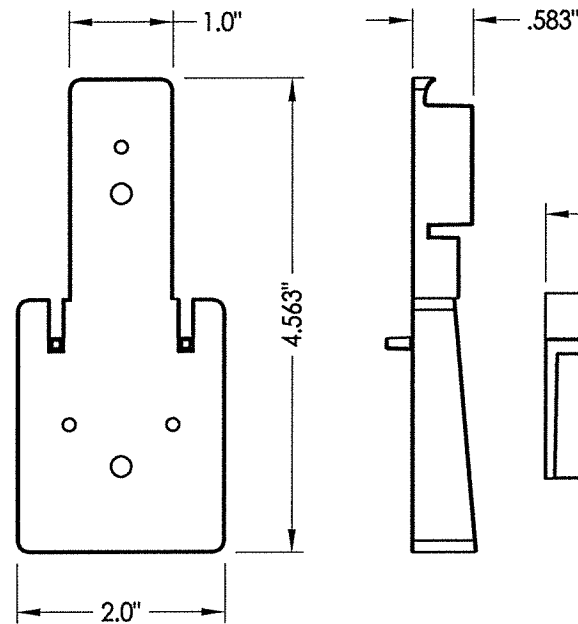
1A HEAD AND JAMBS
Wood



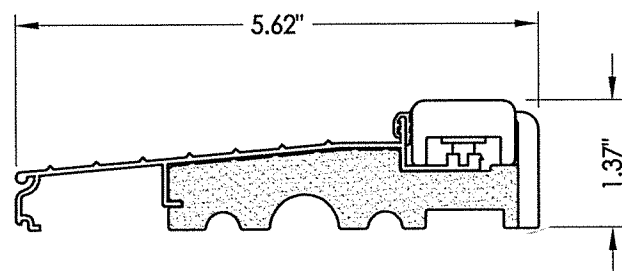
3 INTEGRAL MULLION
ENGINEERED WOOD



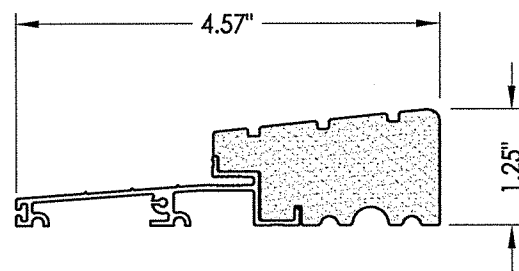
4 INTEGRAL MULLION
PVC



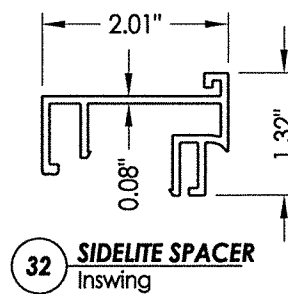
5 MULLION BASE KIT
Optional



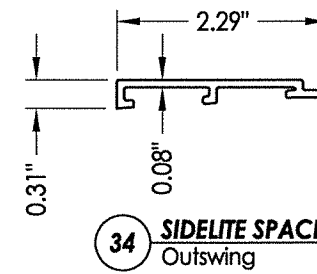
31 INSWING THRESHOLD



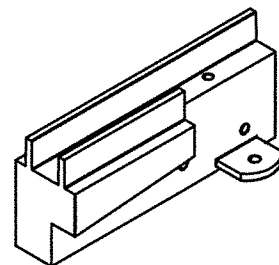
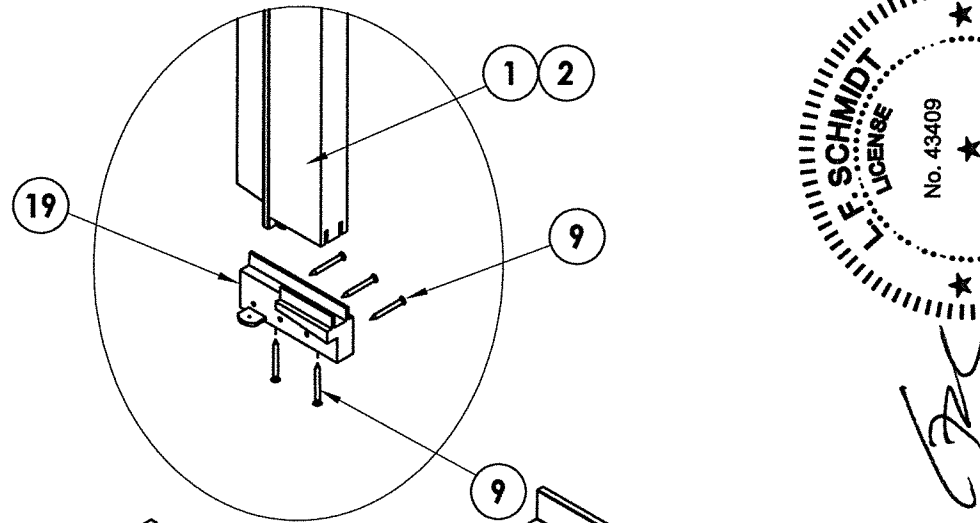
32 OUTSWING THRESHOLD
High-dam



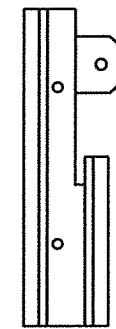
32 SIDELITE SPACER
Inswing



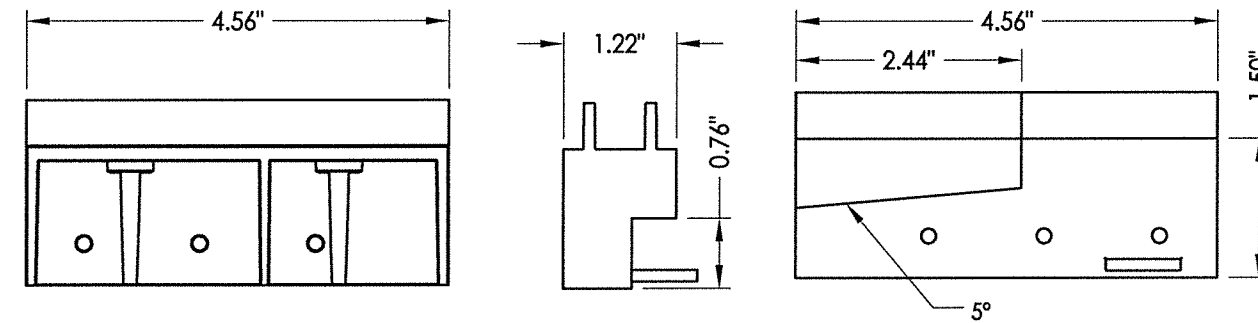
34 SIDELITE SPACER
Outswing



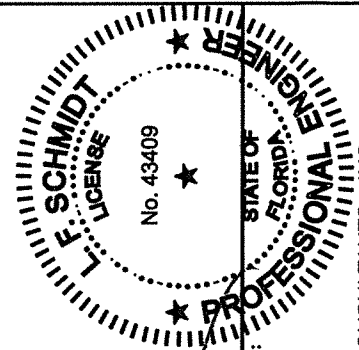
SILLKEY, LEFT
SCALE: NONE



SILLKEY, RIGHT
SCALE: NONE



19 SILLKEY DETAILS
Optional



August 11, 2020
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R.W. 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	REVISIONS	
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-25575.2		SHEET 12 OF 13	

\\dc01\wbc\clients\Trinity Glass Permanent\TA - Florida Product Approvals\FL - 25575\C. Drawings\FL 25575 (2020)\FL-25575.1-3.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	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 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 (FINGER-JOINT PINE - SG >= 0.42)	WOOD
1A	HEAD & JAMB (5.25") (FINGER-JOINT PINE - SG >= 0.42)	WOOD
2	JAMB	PVC
3	INTEGRAL MULLION - FINGER JOINT PINE (SG >= 0.42)	WOOD
4	INTEGRAL MULLION	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	#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	3.983" X 4.0" HINGE MIN 0.098" THICK	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	WOOD
70	SIDELITE	-

CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16" 1/4"	1-1/4" 1-1/4"	AS SHOWN 2"	1-1/2" 4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

STATE OF FLORIDA
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 BUILDING CONSULTANTS, INC.
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PRODUCT: TRINITY GLASS INT'L PART OR ASSEMBLY: BILL OF MATERIALS	REVISIONS												
DATE: 12/8/17 SCALE: N.T.S. DWG. BY: JK CHK. BY: LFS DRAWING NO.: FL-25575.2 SHEET 13 OF 13	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>8/11/20</td> <td>UPDATE TO 7th ED. (2020) FBC</td> <td>DAC</td> </tr> <tr> <td>1</td> <td>2/04/20</td> <td>DEFINE MODEL DESCRIPTION</td> <td>RW</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	BY	2	8/11/20	UPDATE TO 7th ED. (2020) FBC	DAC	1	2/04/20	DEFINE MODEL DESCRIPTION	RW
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