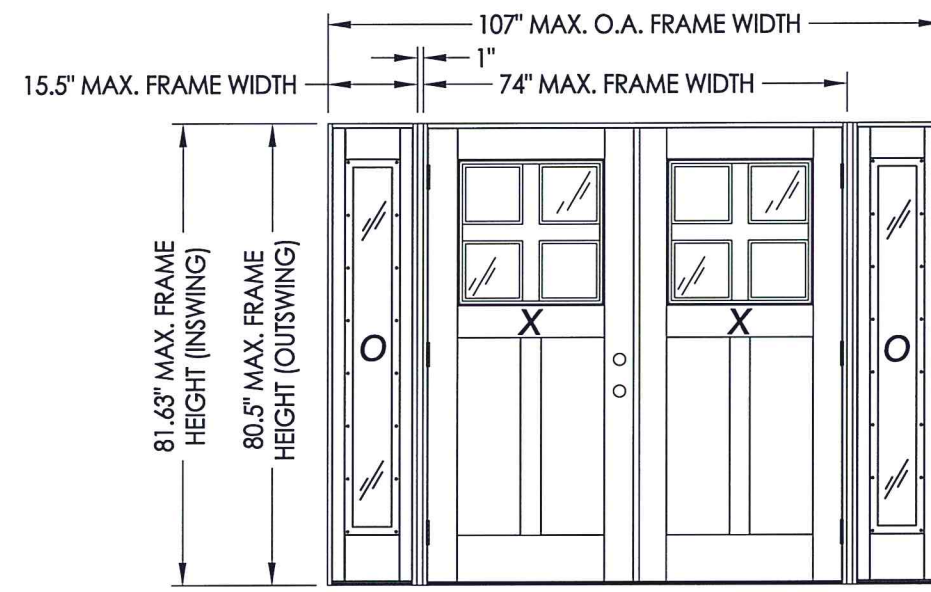
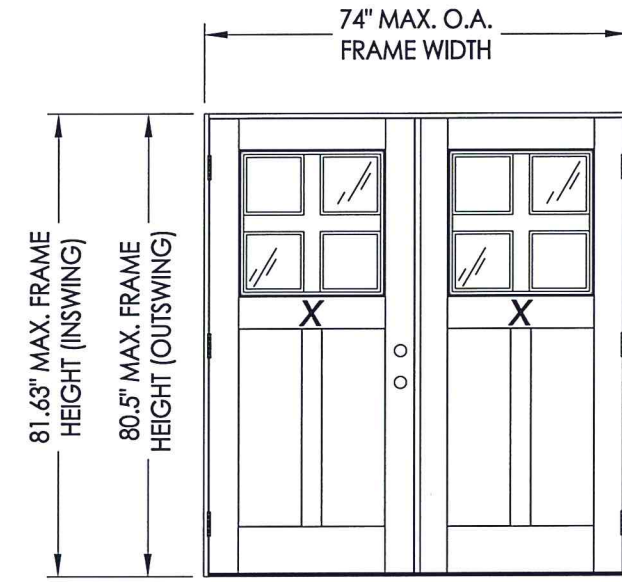


"Lighthouse" GLAZED FIBERGLASS DOUBLE DOOR

w/ or w/out SIDELITE(S)
"NON-IMPACT"
INSWING / OUTSWING

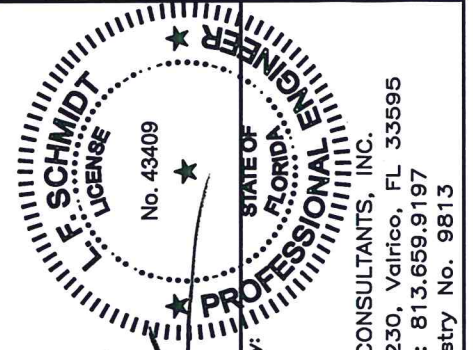


GENERAL NOTES

1. This product has been evaluated and is in compliance with the 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

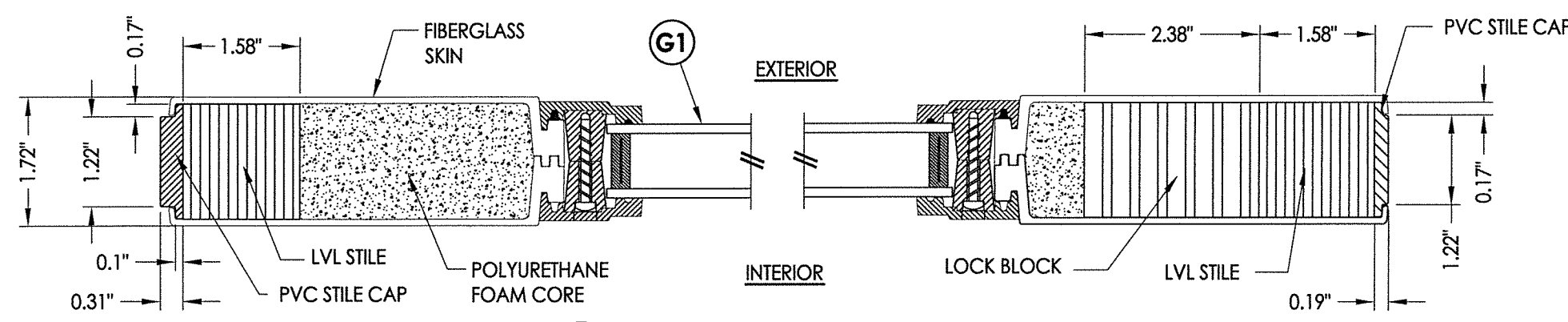
CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 81.63"	+55.0	-55.0	+55.0	-55.0
OXXO	107.0" x 81.63"	+55.0	-55.0	+55.0	-55.0



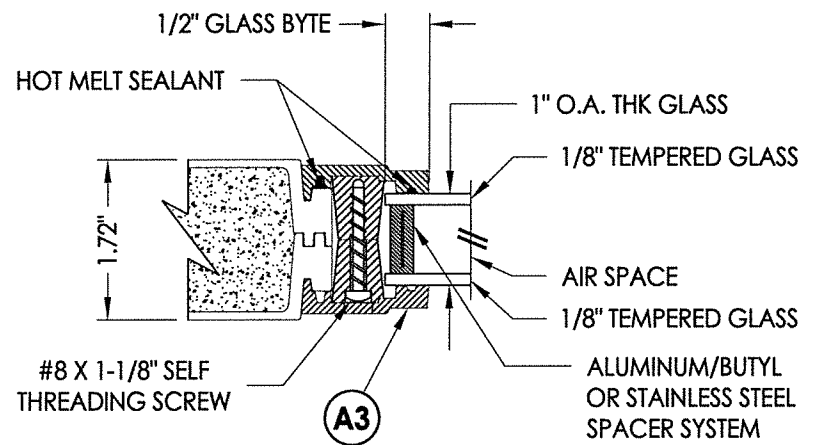
August 11, 2020
 Documents Prepared By:
 Lyndon F. Schmidt
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 RW BUILDING CONSULTANTS, INC.
 P.O. Box 230, Vairico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT:	TRINITY GLASS INT'L
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-25575.3
SHEET	1 OF 13

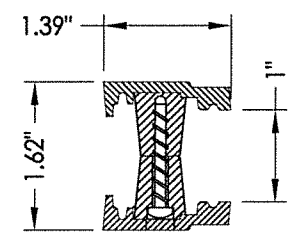
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1 HORIZONTAL CROSS SECTION

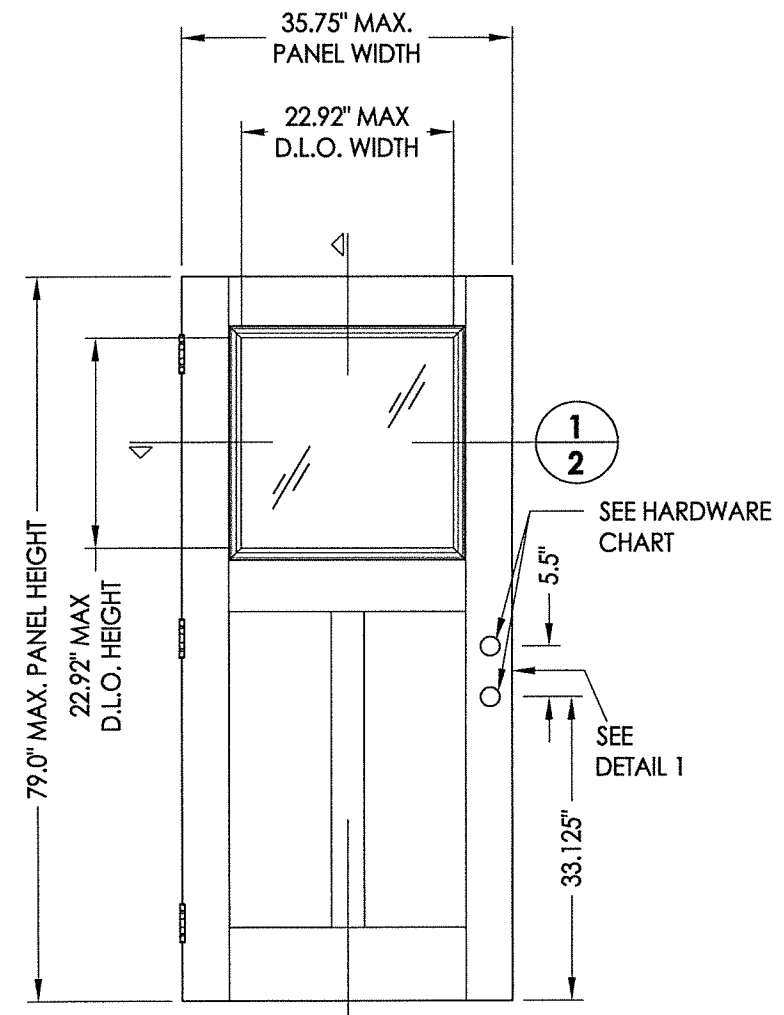


G1 GLAZING DETAIL



A3 FRAME FIBERGLASS

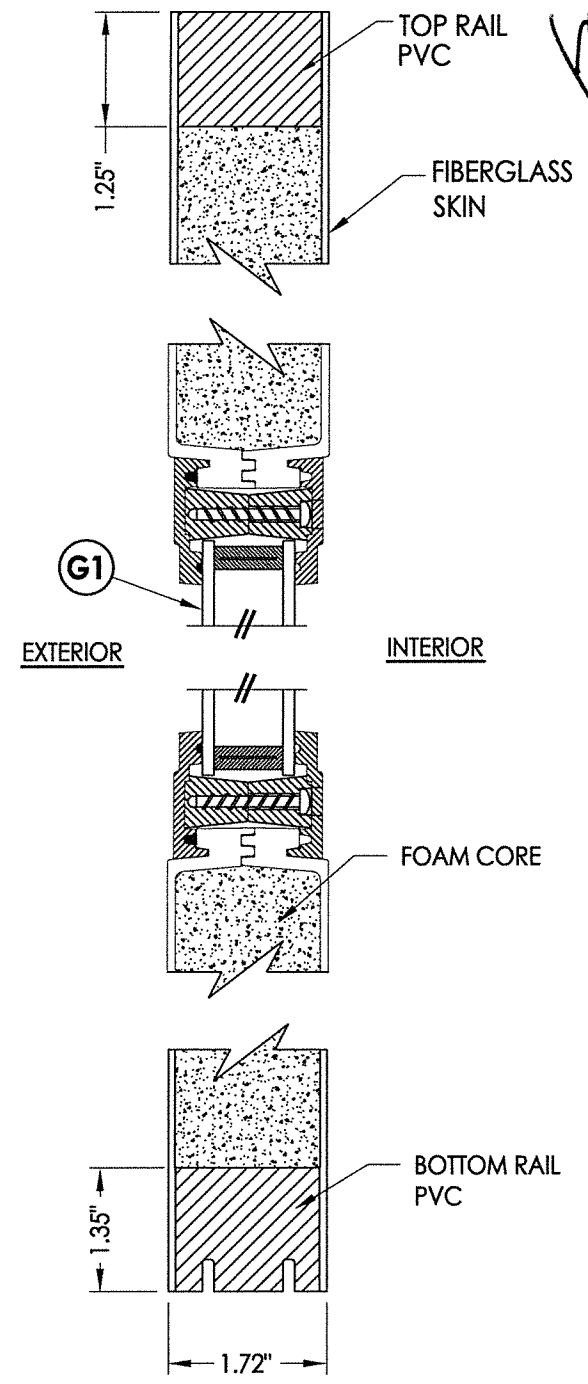
HARDWARE CHART	
MANUFACTURER	MODEL
KWIKSET	KNOB: SIGNATURE SERIES
	DEADBOLT: SIGNATURE SERIES (980)
SCHLAGE	KNOB: F SERIES
	DEADBOLT: B60 SERIES



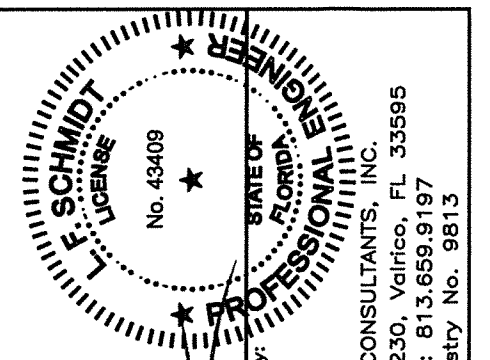
2

40 GLAZED DOOR LIGHTHOUSE

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



2 VERTICAL CROSS SECTION

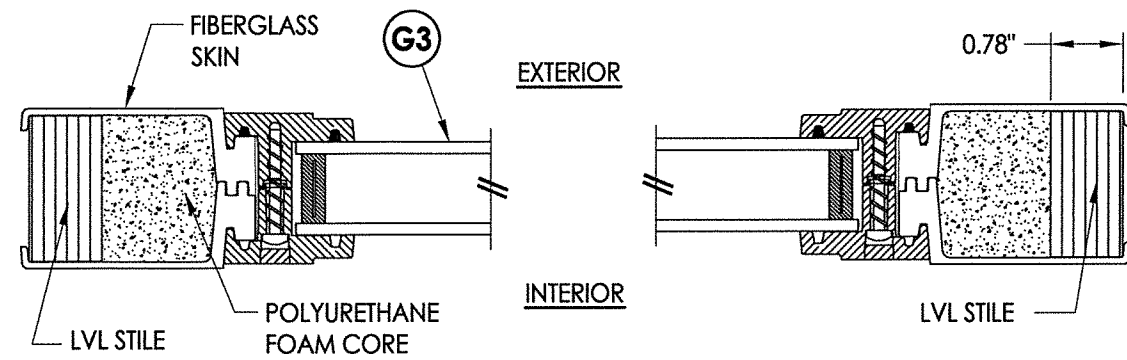


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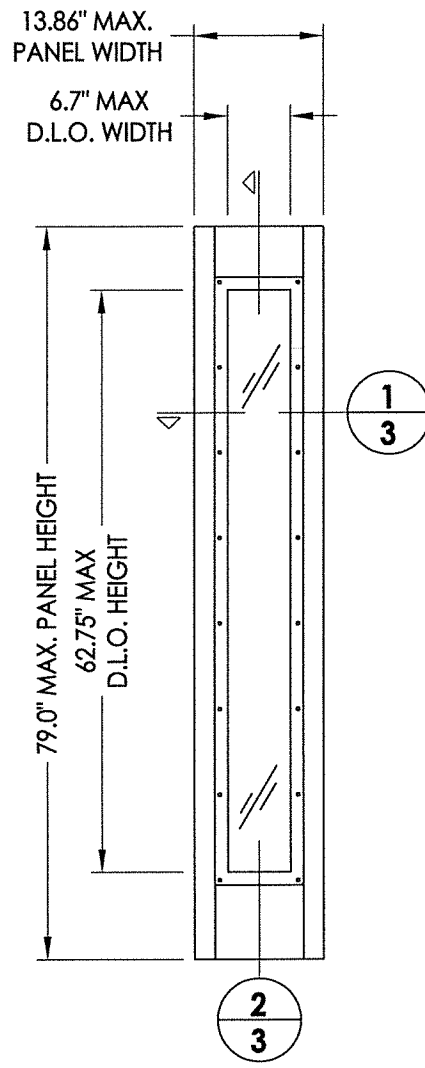
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1	2/04/20	DEFINE MODEL DESCRIPTION	RW

DATE:	12/8/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-25575.3
SHEET	2 OF 13

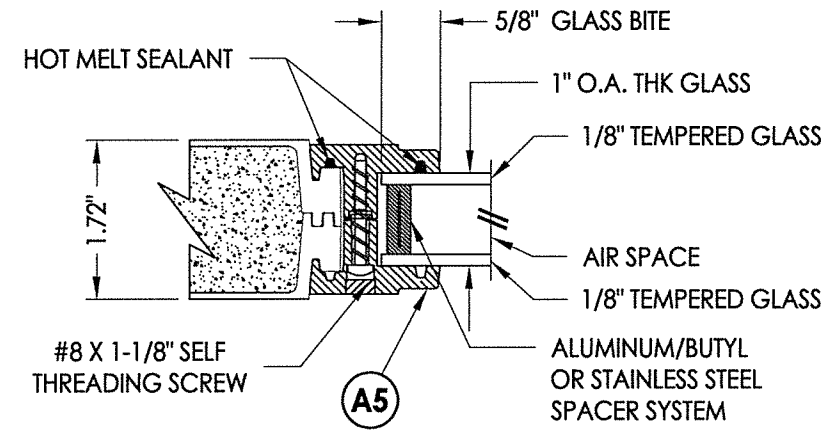
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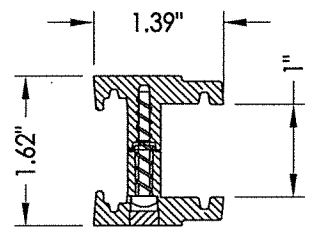
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3 HORIZONTAL CROSS SECTION



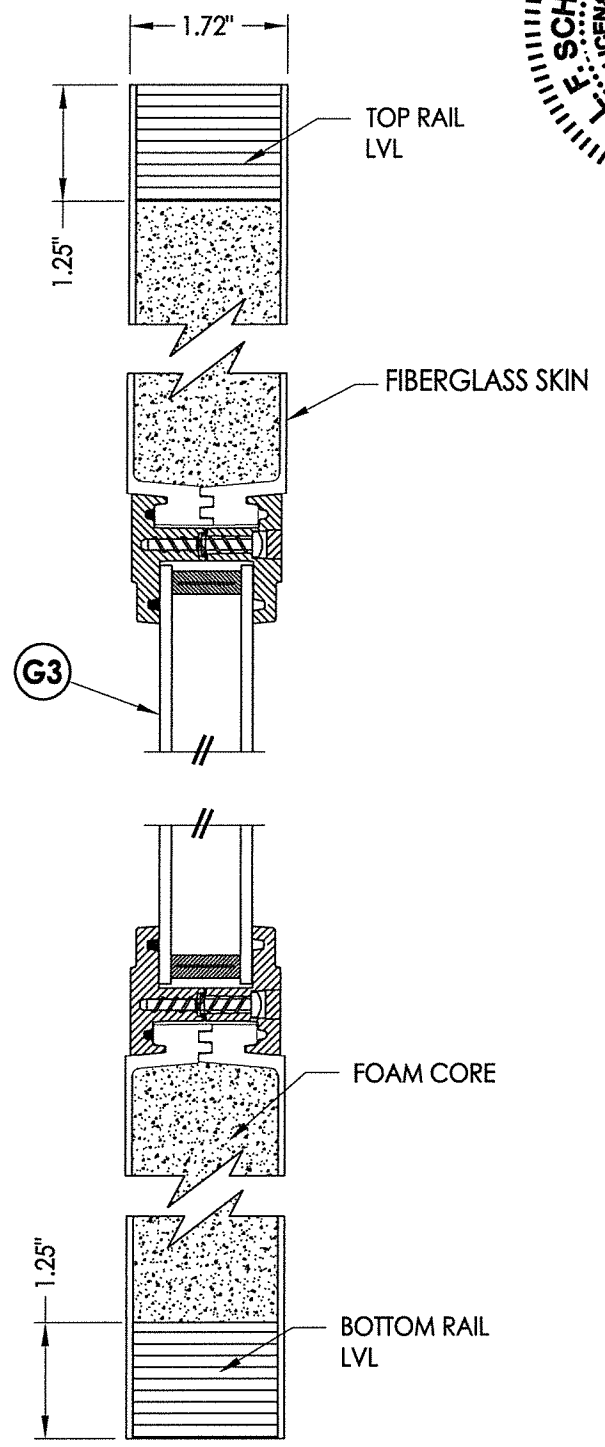
70 SIDELITE PANEL



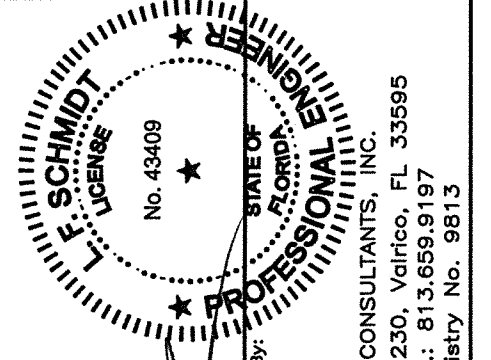
G3 GLAZING DETAIL



A5 FRAME
ABS



2
3 VERTICAL CROSS SECTION



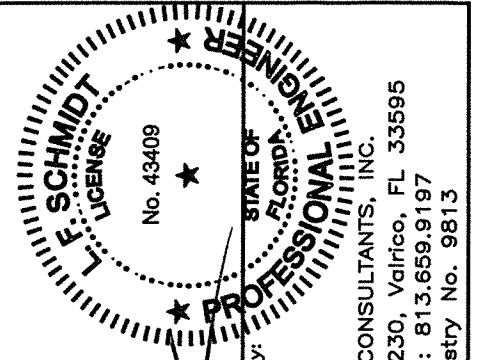
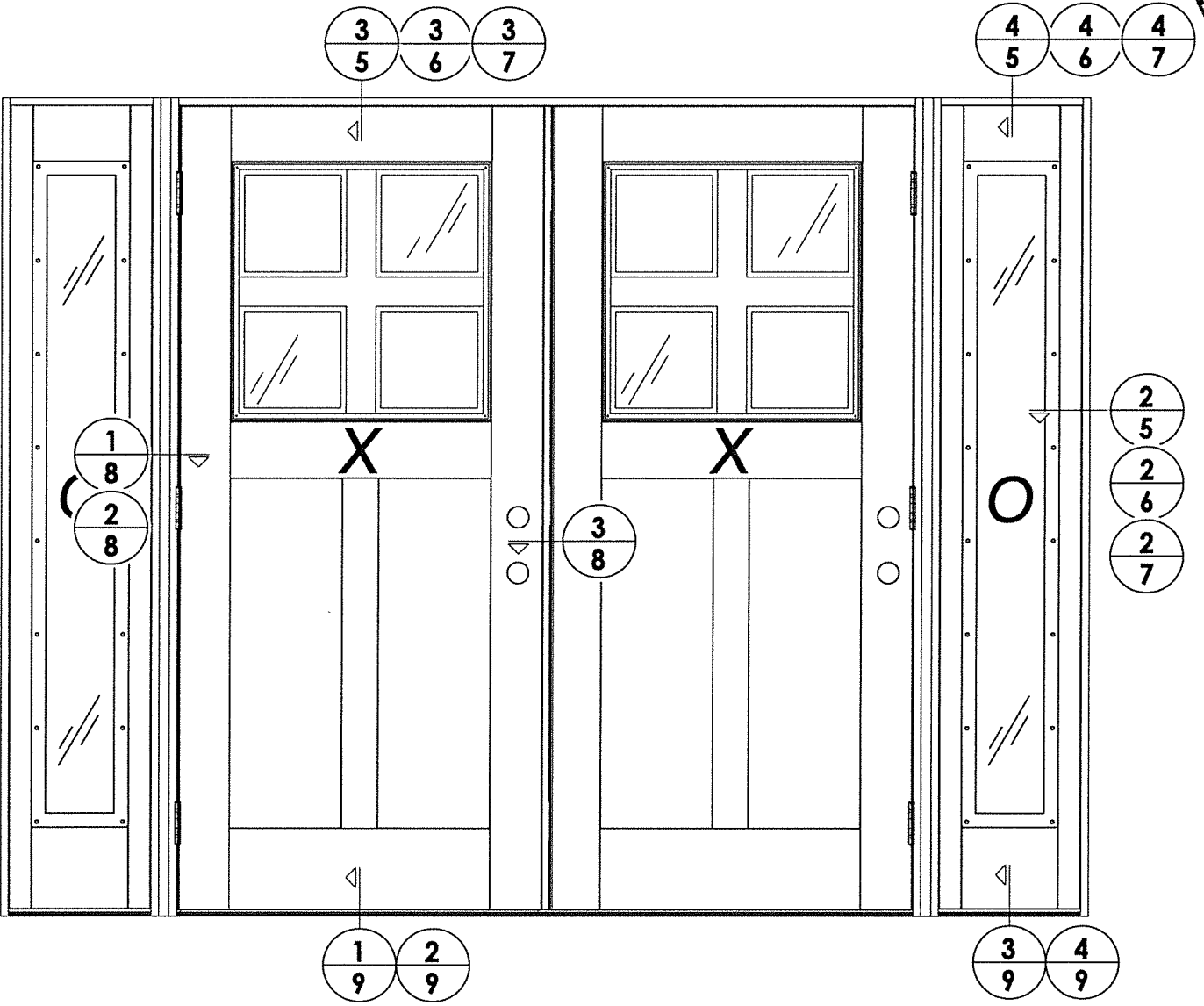
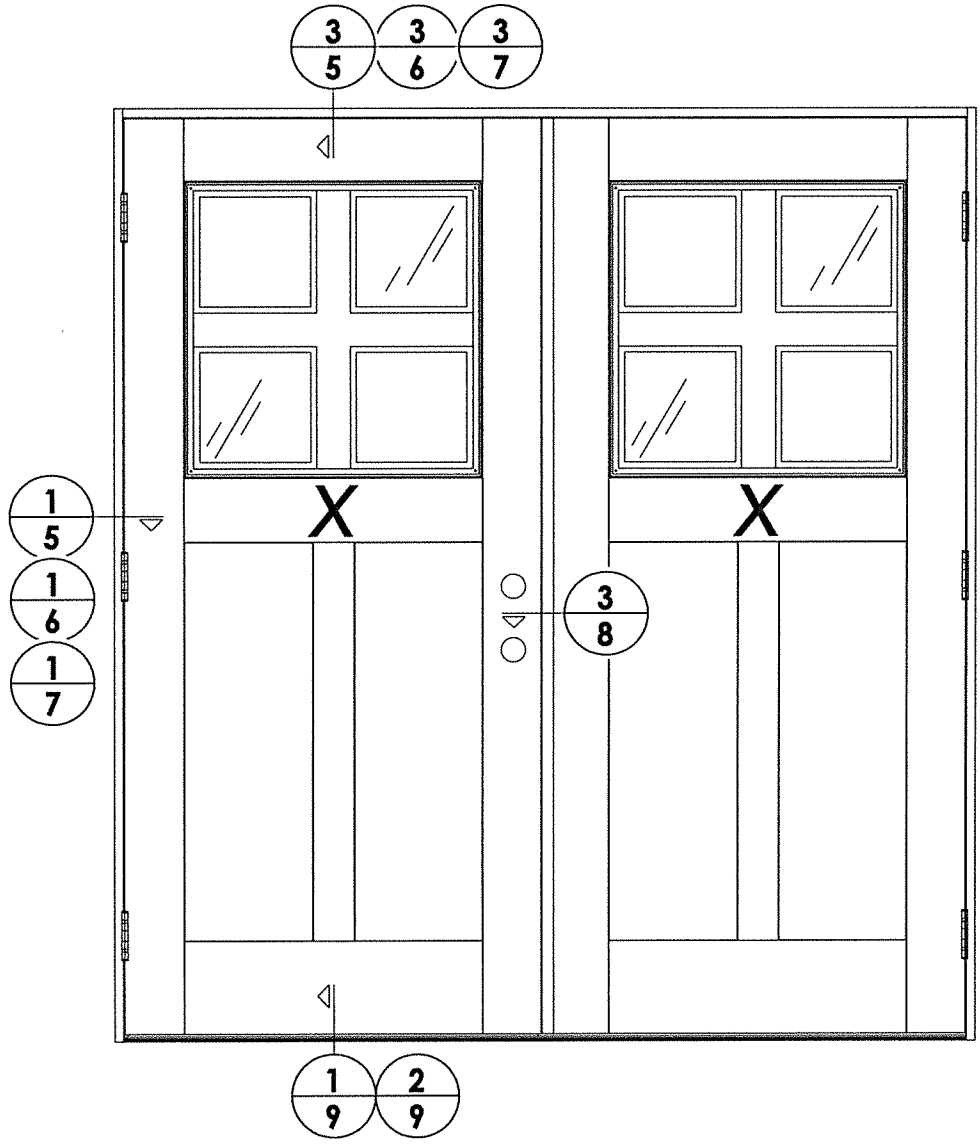
August 11, 2020
 Documents Prepared By:
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 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L	
PART OR ASSEMBLY: SIDELITE PANEL DETAILS	
NO.	DATE
2	8/11/20
1	2/04/20
REVISIONS	
DATE	DESCRIPTION
12/8/17	UPDATE TO 7th ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL
	DEFINE MODEL DESCRIPTION

DATE: 12/8/17
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: FL-25575.3
 SHEET 3 OF 13

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

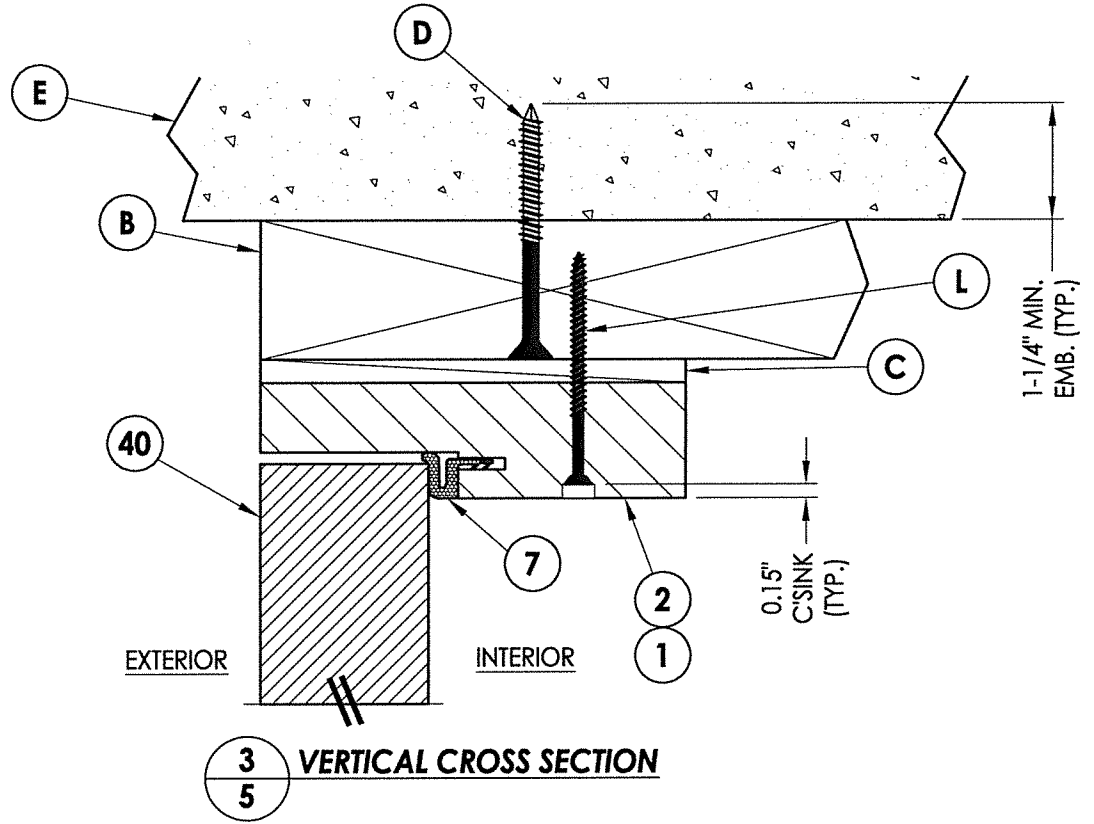
© 2020 R.W. BUILDING CONSULTANTS INC.



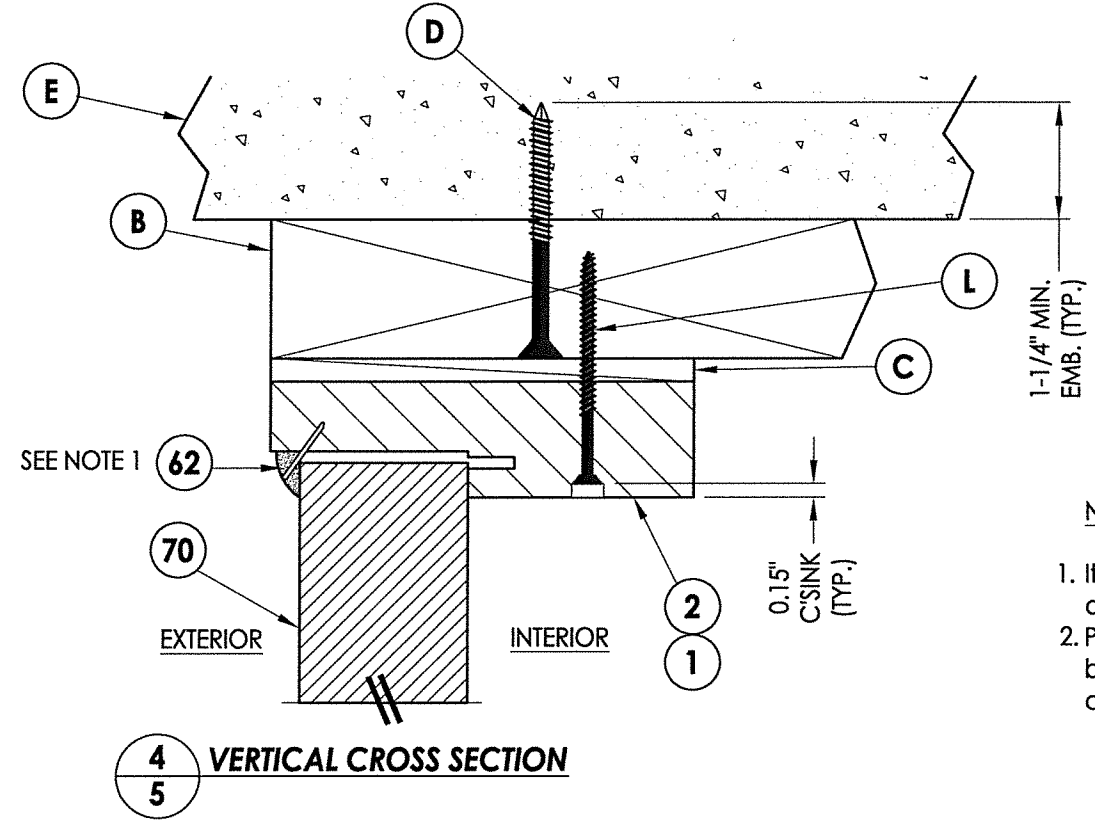
August 11, 2020
 Documents Prepared By:
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PRODUCT: TRINITY GLASS INT'L	
PART OR ASSEMBLY: ELEVATIONS	
NO.	DATE
2	8/11/20
1	2/04/20
REVISIONS	
DATE:	12/8/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-25575.3
SHEET	4 of 13

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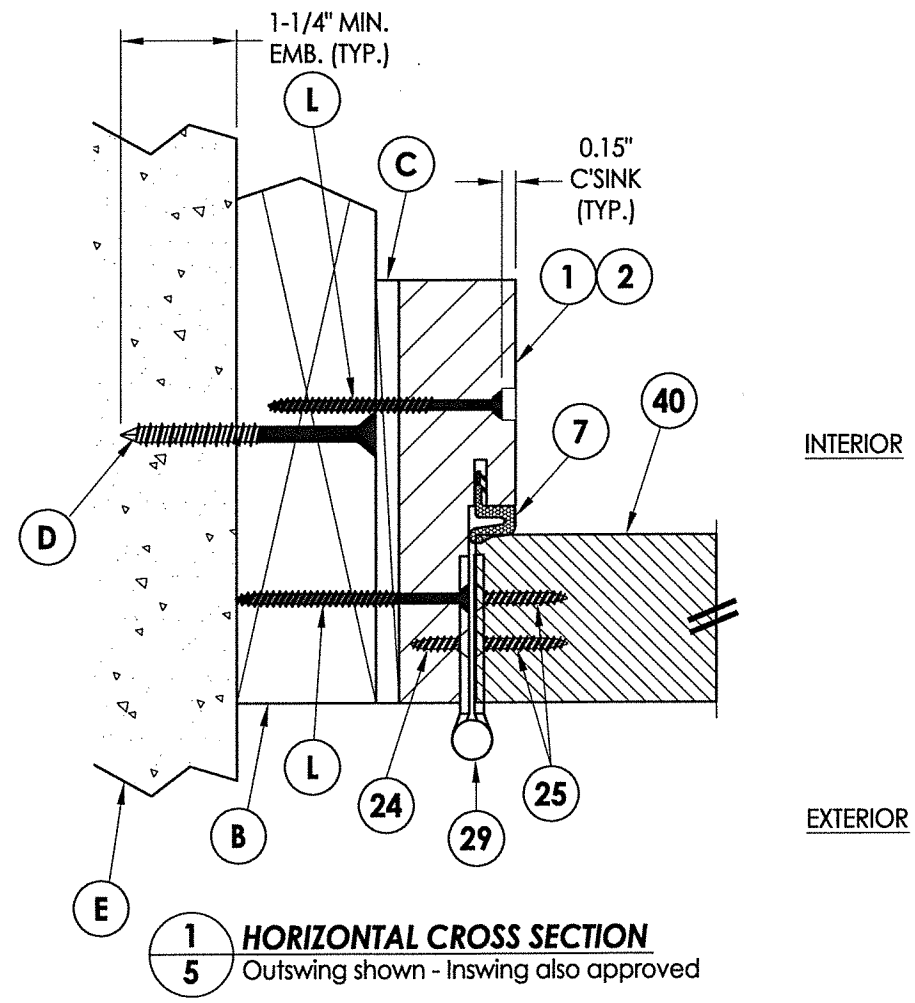


3 VERTICAL CROSS SECTION
5

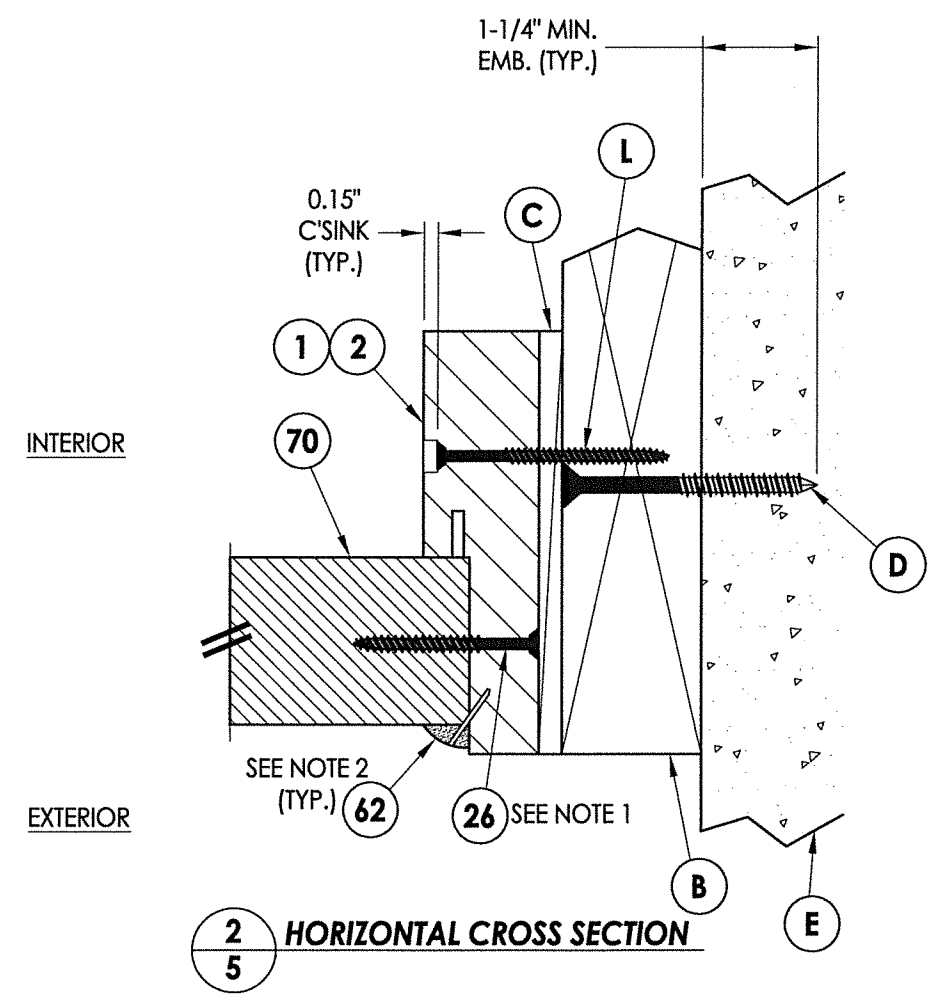


4 VERTICAL CROSS SECTION
5

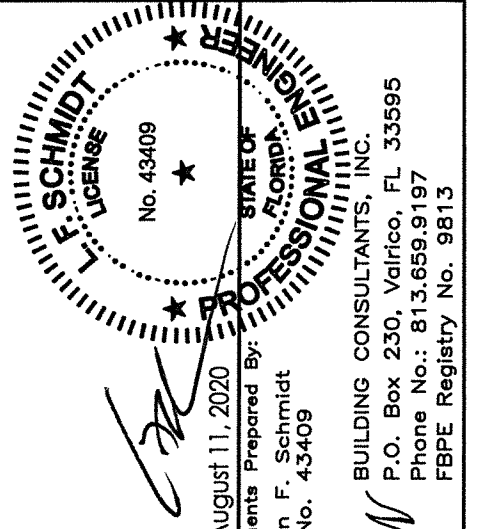
NOTE:
 1. Item #26 located 6" from each end and 3 more equally spaced (5 total).
 2. PVC Quarter round attached with 18 GA. brad nail 3" from each end then 8" on center thereafter.



1 HORIZONTAL CROSS SECTION
5 Outswing shown - Inswing also approved

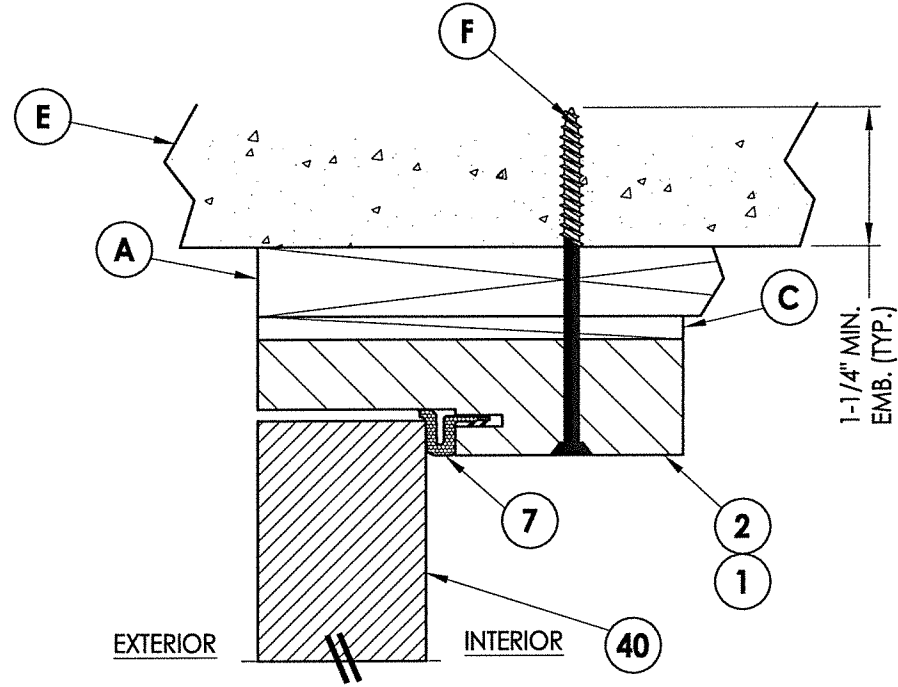


2 HORIZONTAL CROSS SECTION
5

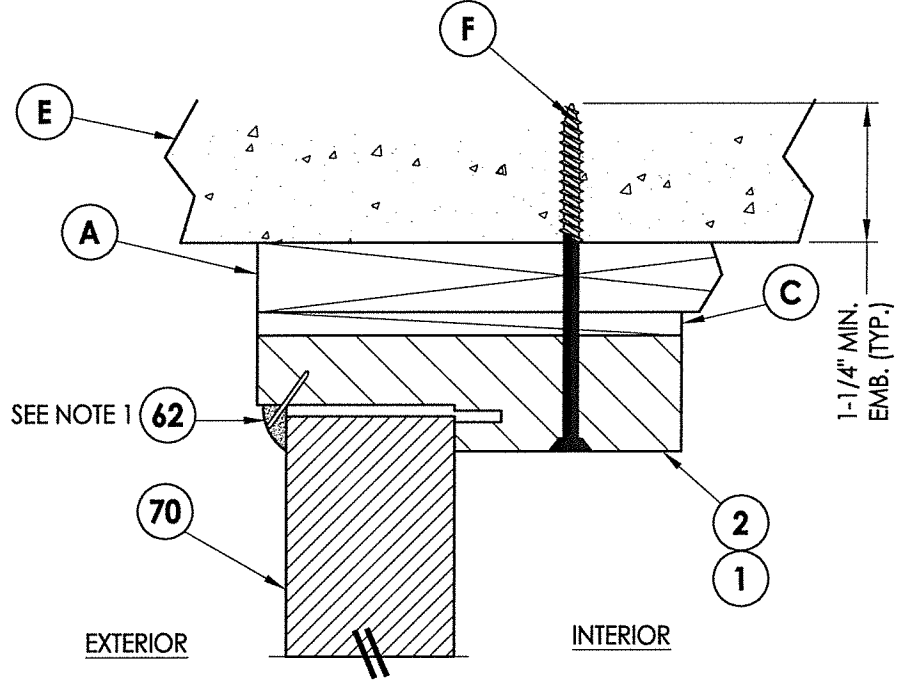


August 11, 2020
 Documents Prepared By:
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 FBPE Registry No. 9813

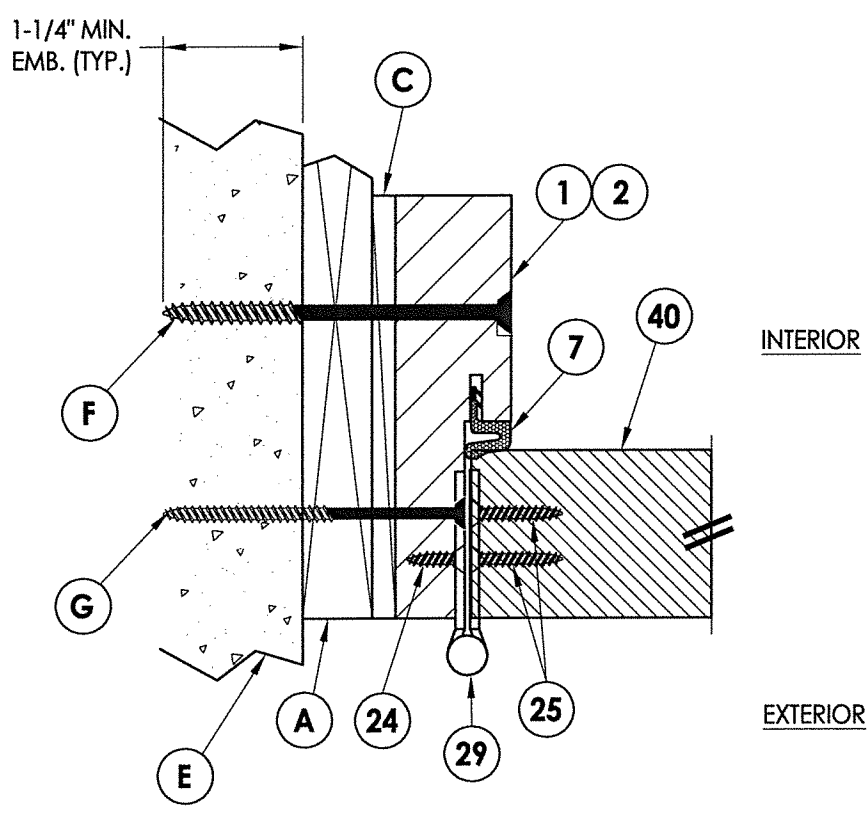
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PART OR ASSEMBLY:	HORIZONTAL AND VERTICAL CROSS SECTIONS (2X BUCK)		
DATE:	12/8/17		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	FL-25575.3		
SHEET	5 OF 13		
NO.	DATE	DESCRIPTION	BY
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1	2/04/20	DEFINE MODEL DESCRIPTION	RW
REVISIONS			



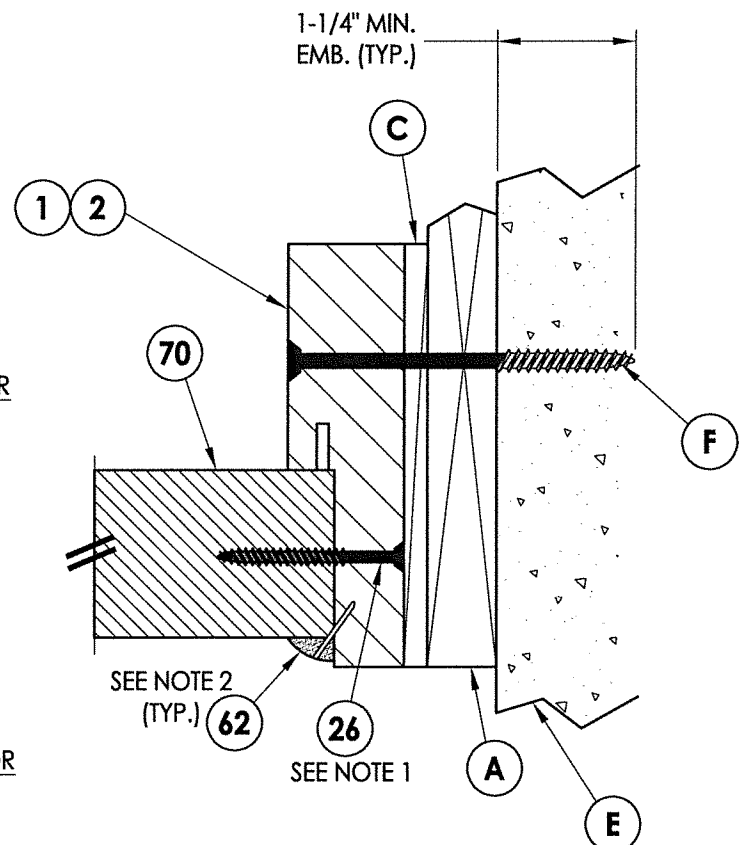
3
6 VERTICAL CROSS SECTION



4
6 VERTICAL CROSS SECTION



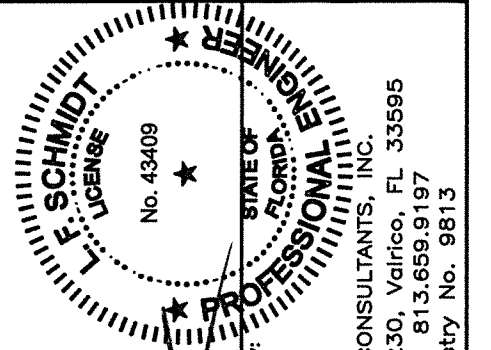
1
6 HORIZONTAL CROSS SECTION
Outswing shown - Inswing also approved



2
6 HORIZONTAL CROSS SECTION

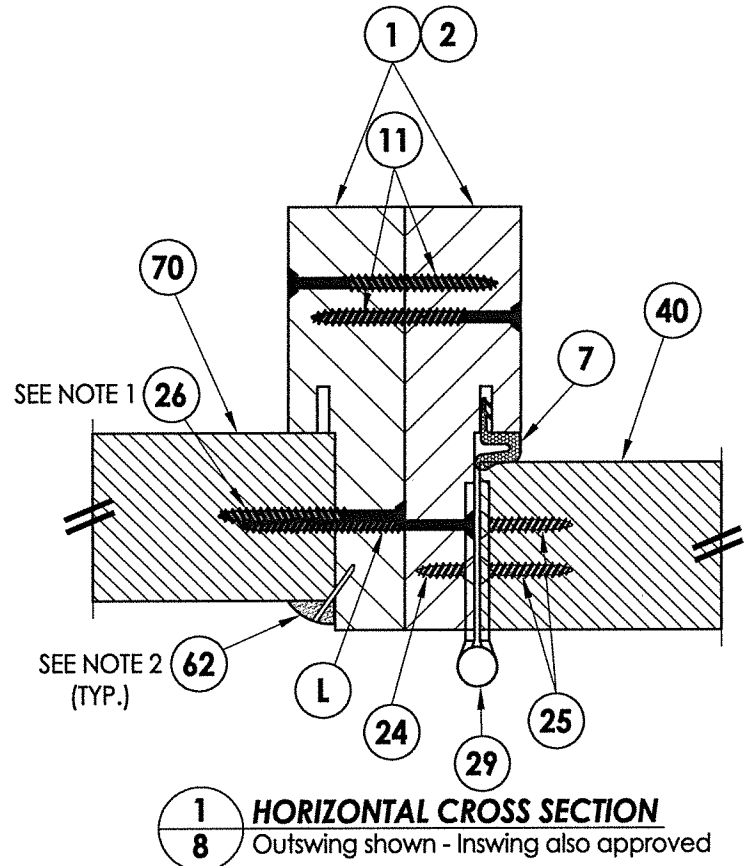
NOTE:

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.



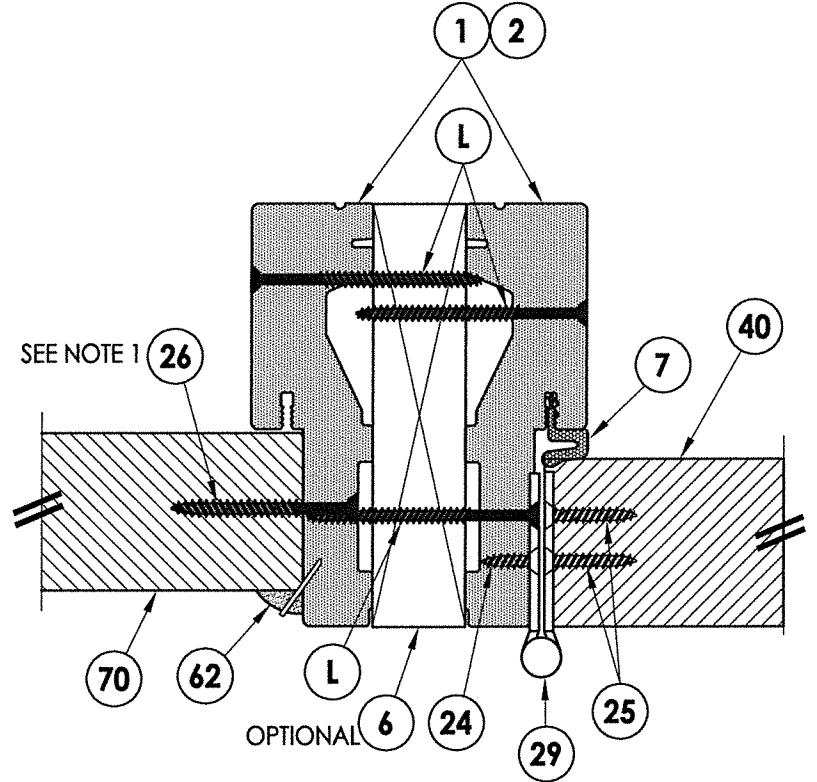
August 11, 2020
 Documents Prepared By:
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 P.O. Box 230, Vairico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L		
PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS (1X BUCK)		
NO.	DATE	REVISIONS
2	8/11/20	UPDATE TO 7th ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL
1	2/04/20	DEFINE MODEL DESCRIPTION
DATE	12/8/17	
SCALE	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	FL-25575.3	
SHEET	6	OF 13

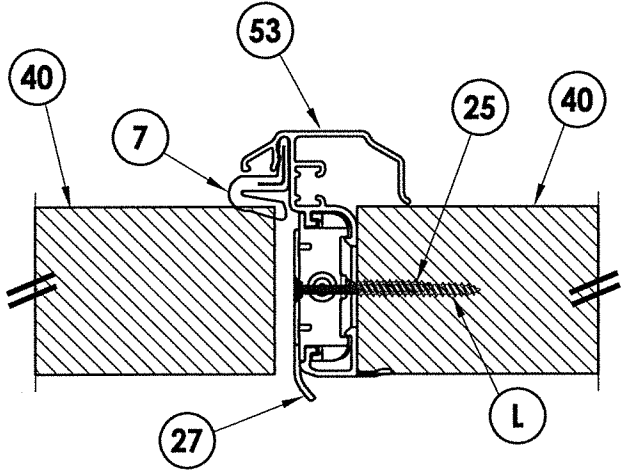


1 HORIZONTAL CROSS SECTION
8 Outswing shown - Inswing also approved

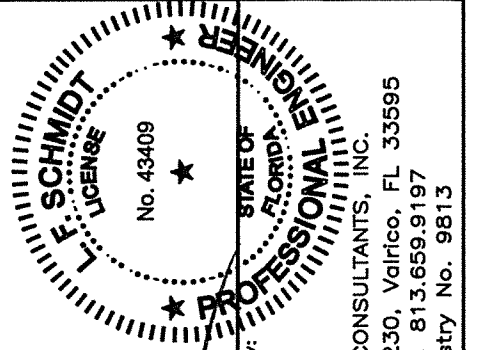
NOTE:
 1. Item #26 located 6" from each end and 3 more equally spaced (5 total).
 2. PVC Quarter round attached with 18 GA. brad nail 3" from each end then 8" on center thereafter.



2 HORIZONTAL CROSS SECTION
8 Outswing shown - Inswing also approved

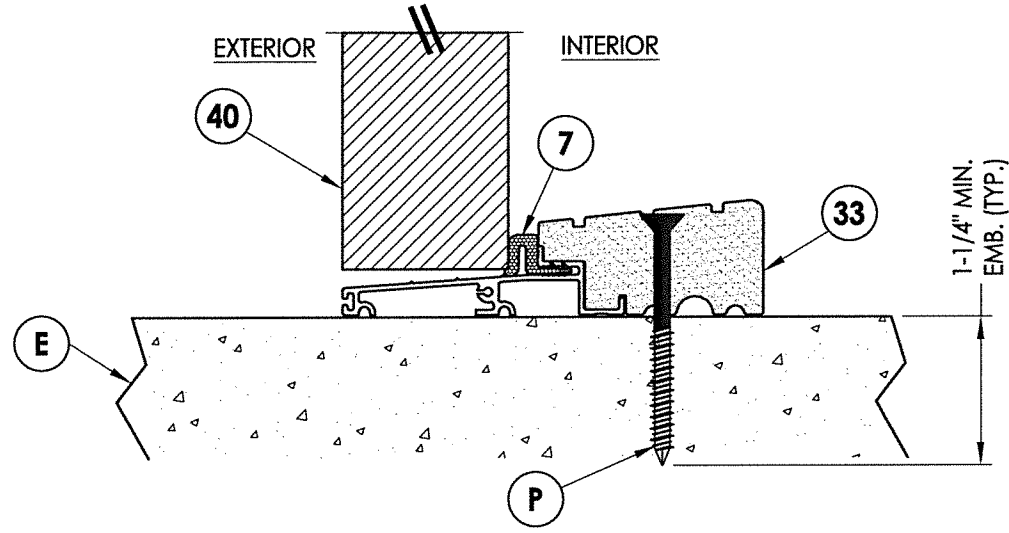


3 HORIZONTAL CROSS SECTION
8 Outswing shown - Inswing also approved

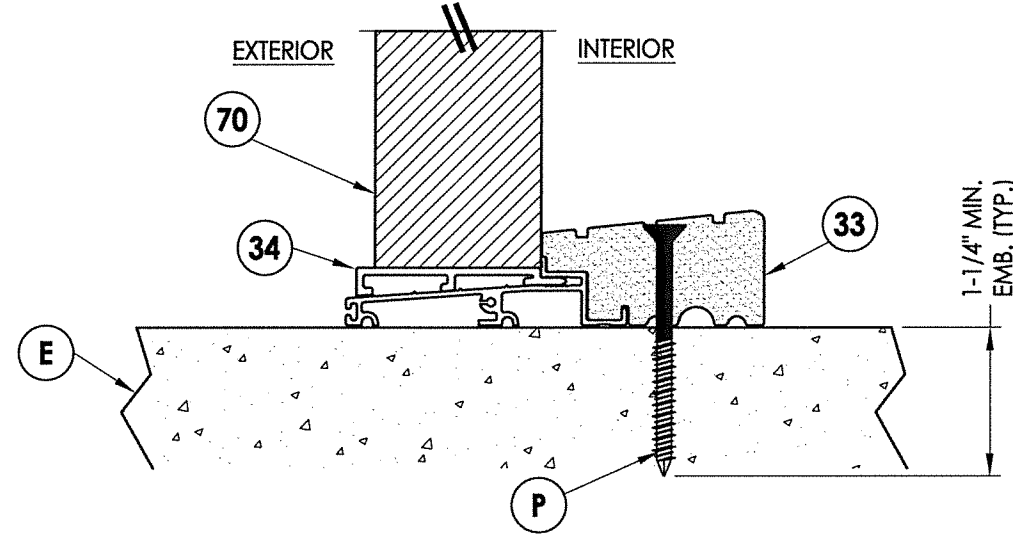


August 11, 2020
 Documents Prepared By:
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 Phone No.: 813.659.9197
 FBPE Registry No. 9813

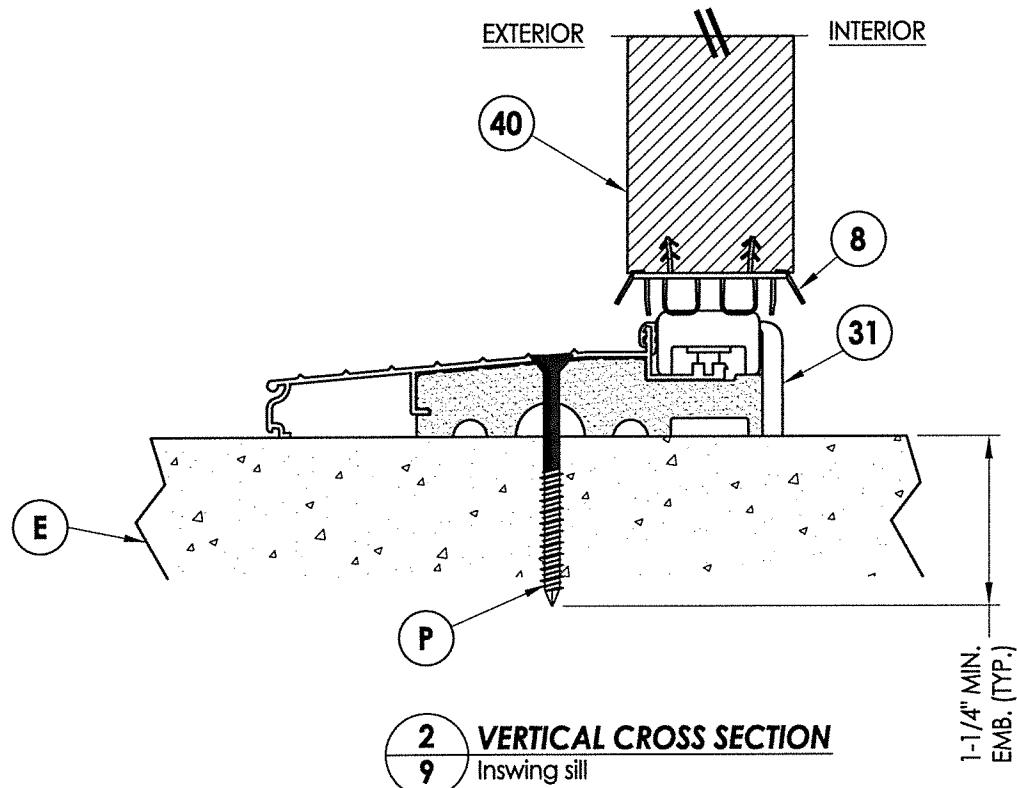
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PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS		
DATE:	12/8/17		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	FL-25575.3		
SHEET	8 OF 13		
NO.	DATE	DESCRIPTION	BY
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1	2/04/20	DEFINE MODEL DESCRIPTION	RW
REVISIONS			



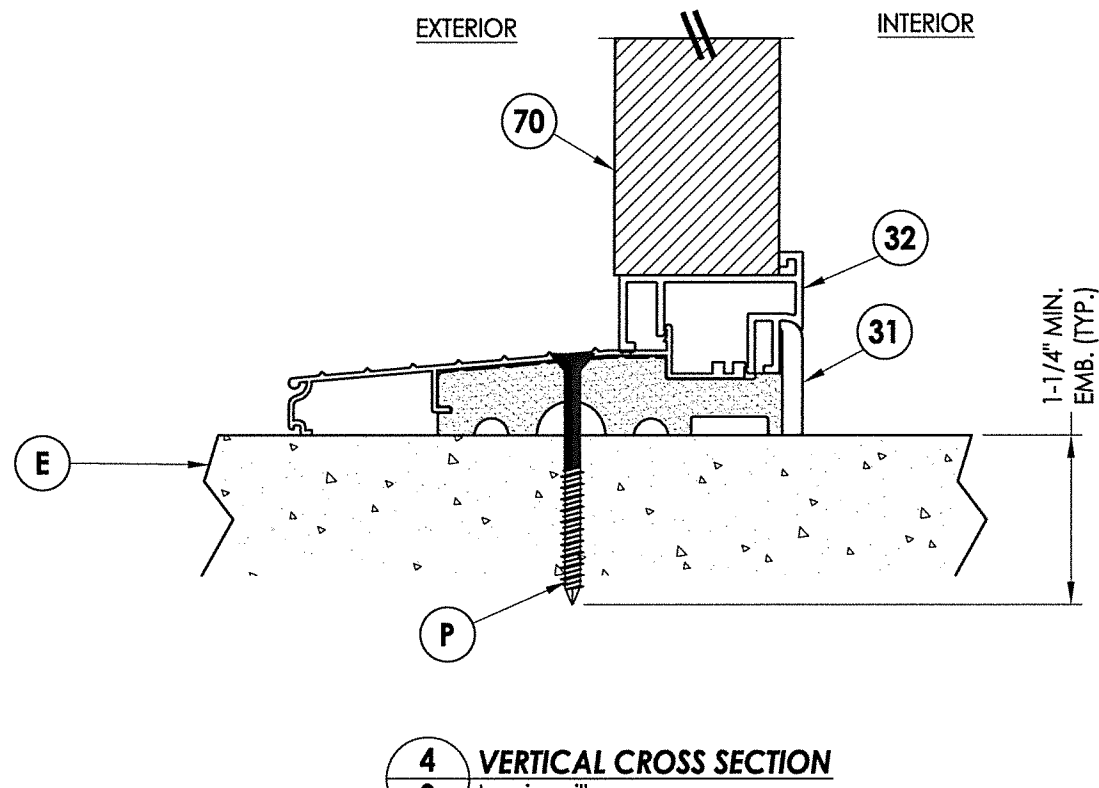
1 VERTICAL CROSS SECTION
9 Outswing sill - high dam



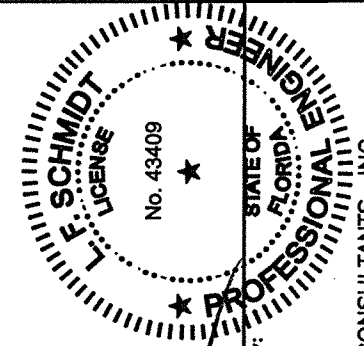
3 VERTICAL CROSS SECTION
9 Outswing sill - high dam



2 VERTICAL CROSS SECTION
9 Inswing sill



4 VERTICAL CROSS SECTION
9 Inswing sill



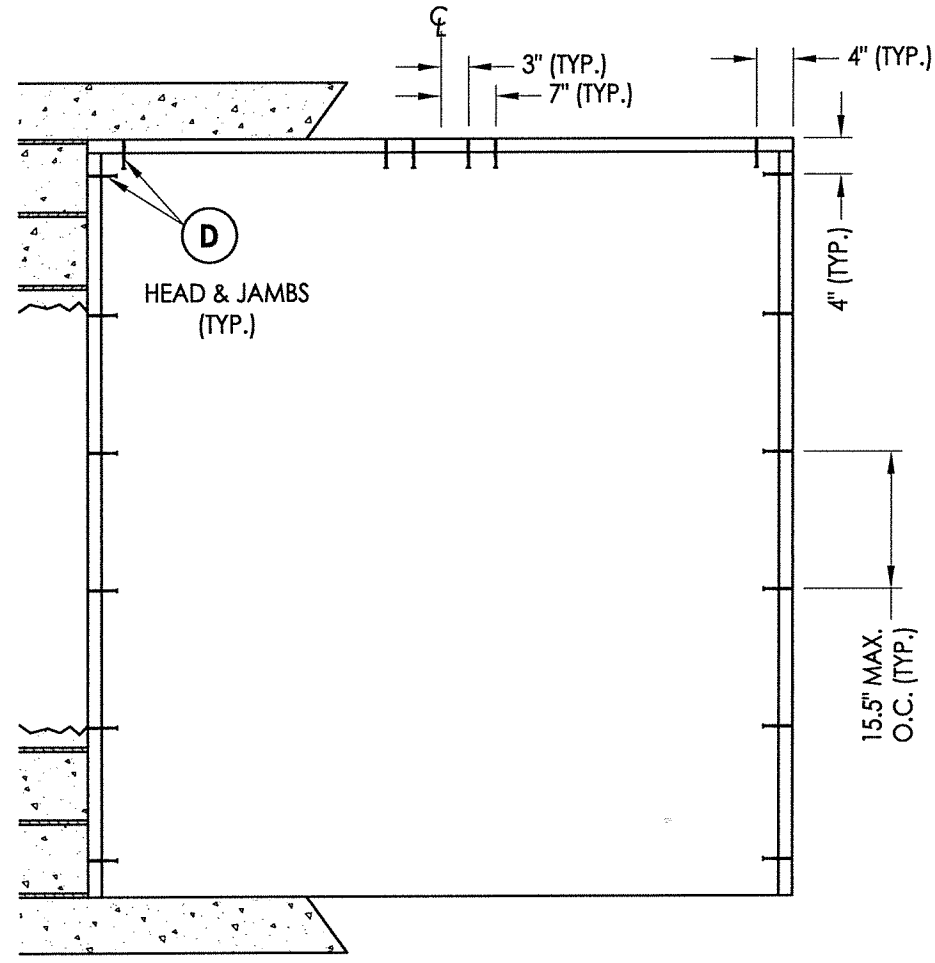
August 11, 2020
Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

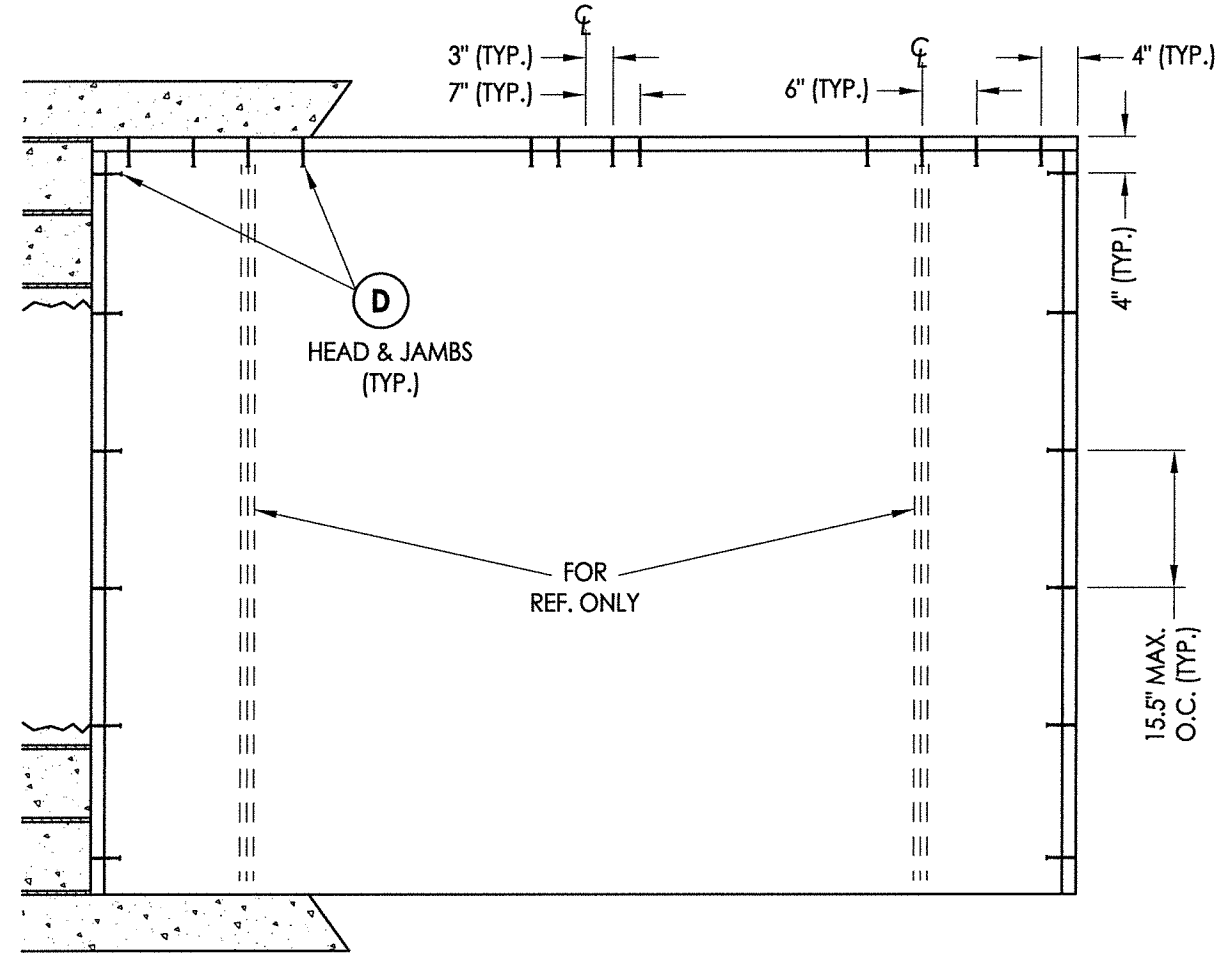
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PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
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1	2/04/20	DEFINE MODEL DESCRIPTION

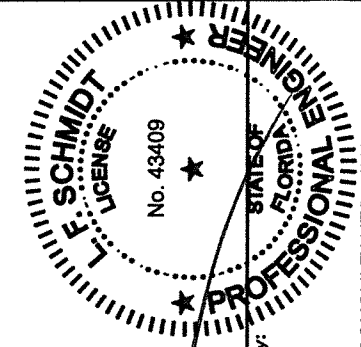
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SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-25575.3
SHEET	9 OF 13



BUCK ANCHORING



BUCK ANCHORING



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

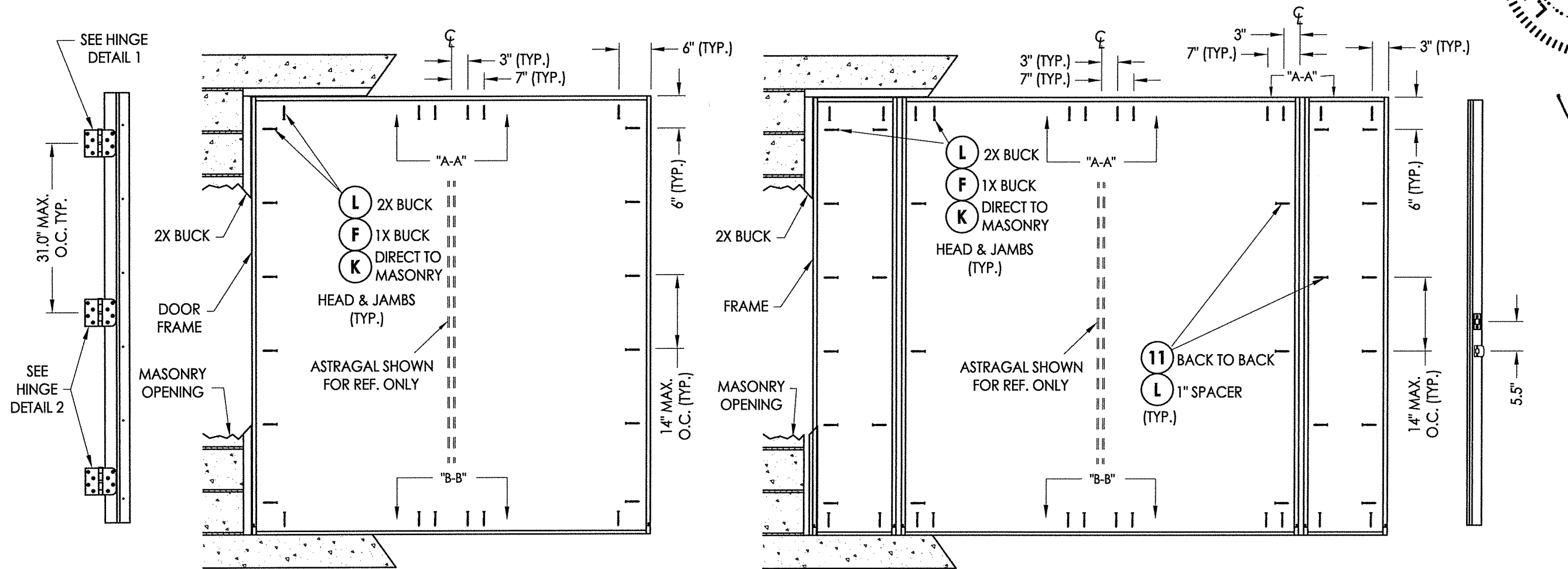
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

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

NO.	DATE	DESCRIPTION	BY
2	8/11/20	UPDATE TO 7th ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL	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-25575.3
SHEET	10 OF 13

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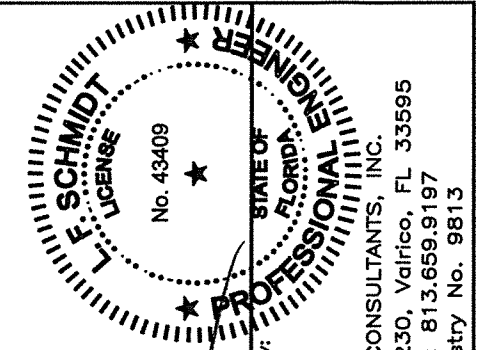
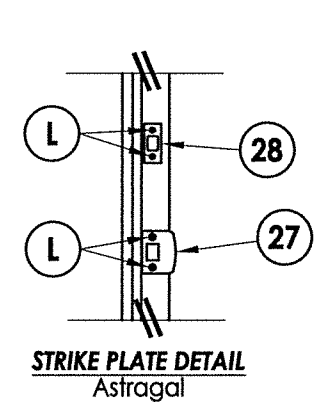
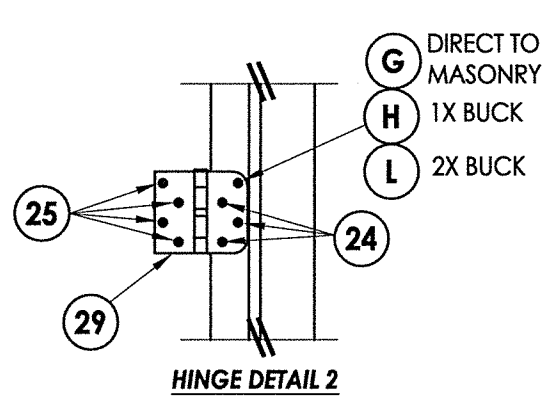
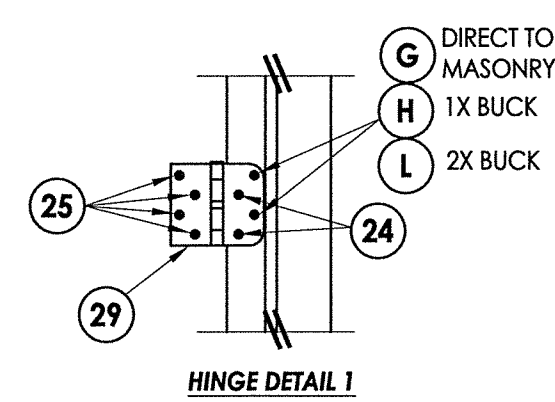
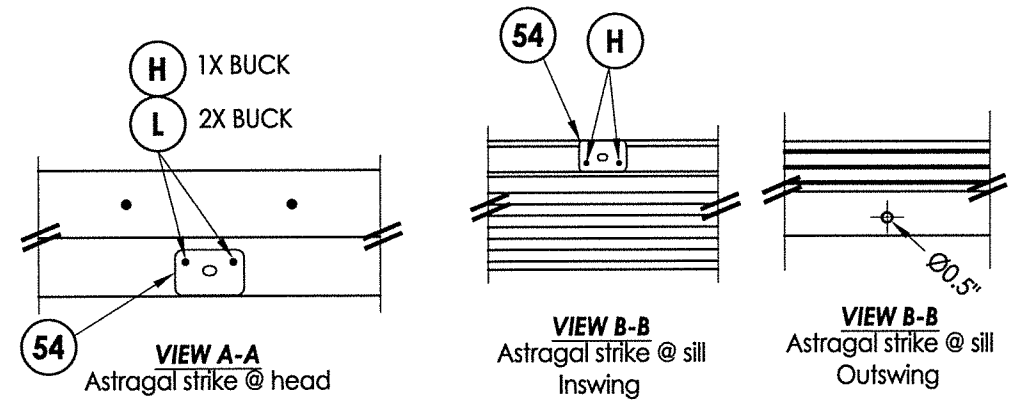


HINGE JAMB

FRAME ANCHORING

FRAME ANCHORING

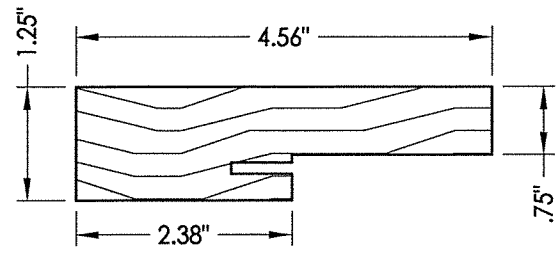
ASTRAGAL STRIKE JAMB



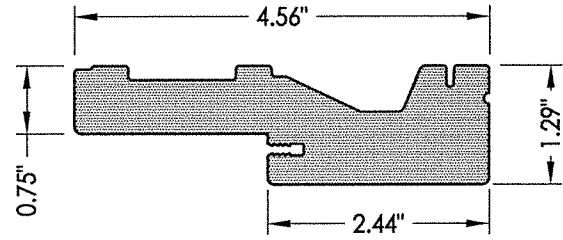
August 11, 2020
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409

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

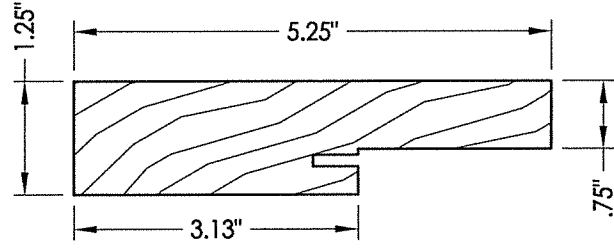
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PART OR ASSEMBLY:		FRAME ANCHORING	
NO.	DATE	DESCRIPTION	BY
2	8/11/20	UPDATE TO 7th ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL	DAC
1	2/04/20	DEFINE MODEL DESCRIPTION	RW
REVISIONS			
DATE: 12/8/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-25575.3			
SHEET 11 OF 13			



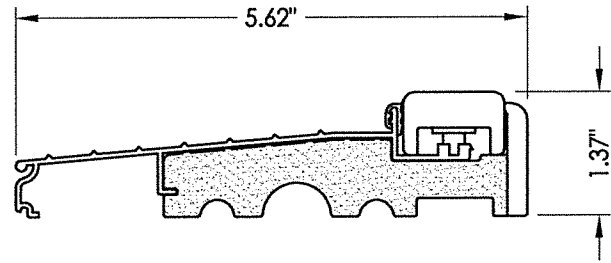
1 HEAD AND JAMBS
Wood



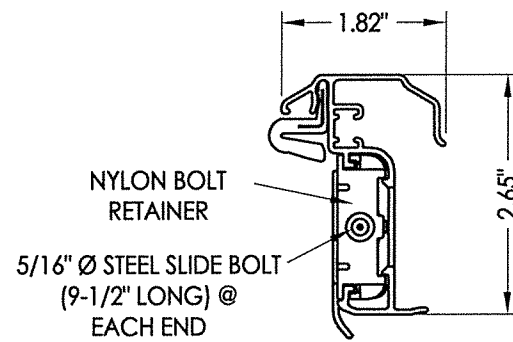
2 HEAD AND JAMBS
PVC



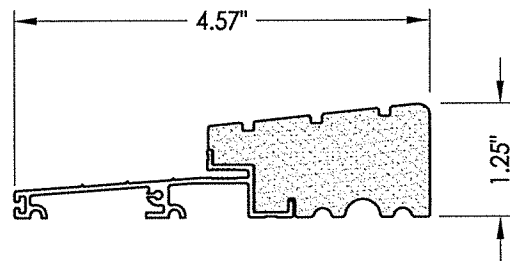
3 HEAD AND JAMBS
Wood



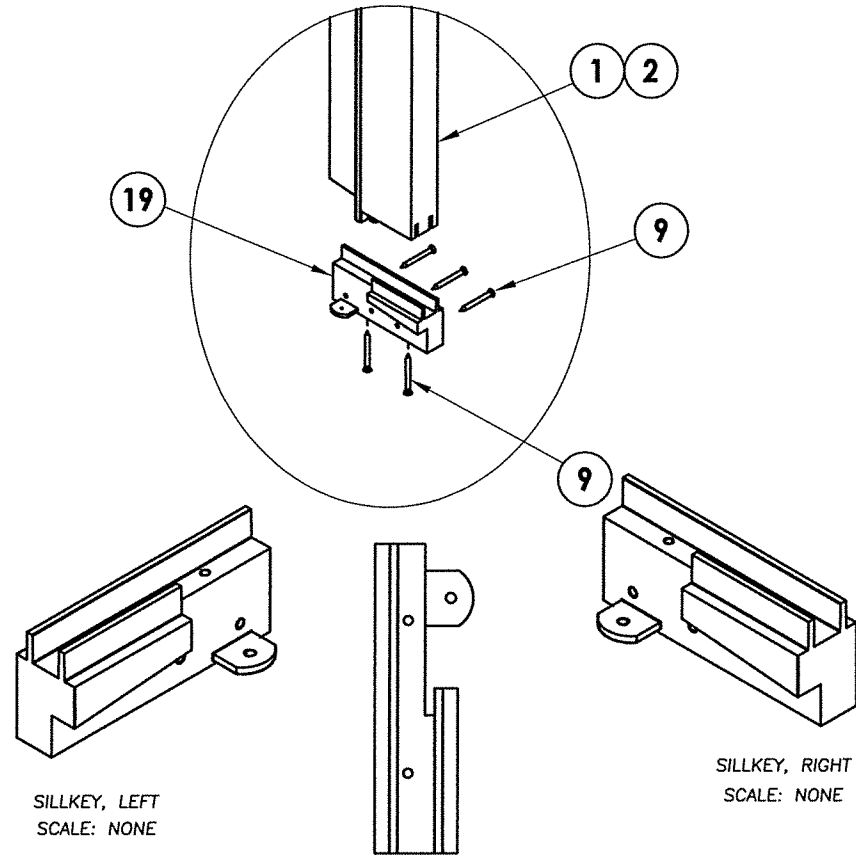
31 INSWING THRESHOLD



53 ULTIMATE HURRICANE ASTRAGAL
By Endura Products

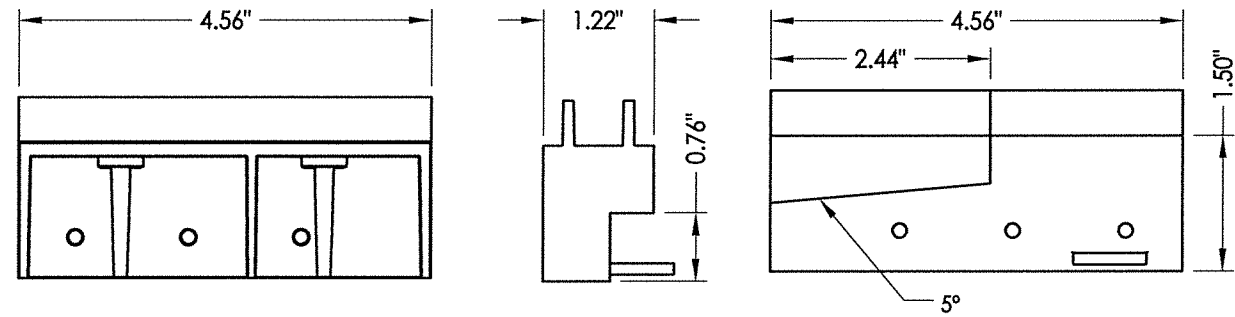


32 OUTSWING THRESHOLD
High-dam

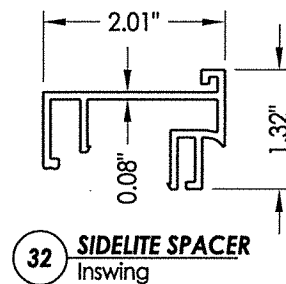


SILLKEY, LEFT
SCALE: NONE

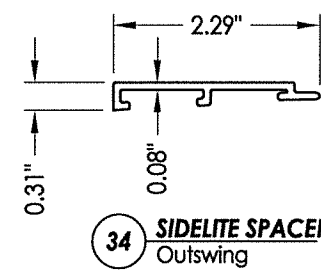
SILLKEY, RIGHT
SCALE: NONE



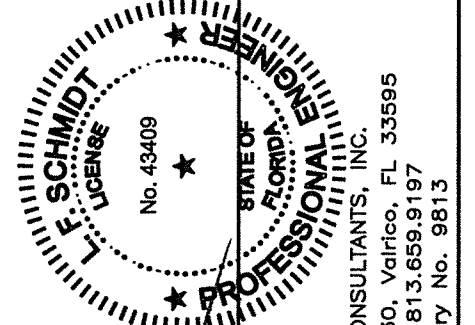
19 SILLKEY DETAILS
Optional



32 SIDELITE SPACER
Inswing



34 SIDELITE SPACER
Outswing



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

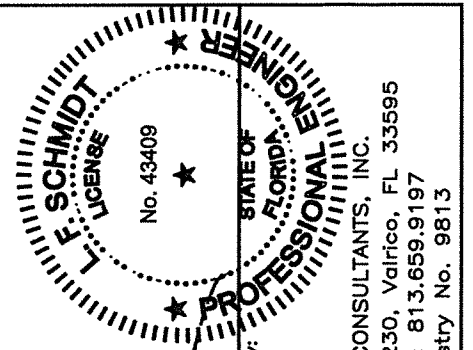
PRODUCT:		TRINITY GLASS INT'L	
PART OR ASSEMBLY:		COMPONENTS	
NO.	DATE	BY	REVISIONS
2	8/11/20	DAC	UPDATE TO 7th ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL
1	2/04/20	RW	DEFINE MODEL DESCRIPTION

DATE: 12/8/17
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: FL-25575.3
 SHEET 12 OF 13

R:\Clients\Trinity Glass Permanent\A - Florida Product Approvals\FL - 25575\C. Drawings\FL 25575 (2020)\FL-25575.3.dwg, 13.3

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 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 (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
6	1" SPACER (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
19	SILLKEY	PC/ASA
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)	-
53	ASTRAGAL	ALUM
54	ASTRAGAL STRIKE PLATE	STEEL
62	QUARTER ROUND	PVC
70	SIDELITE	-



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PRODUCT: TRINITY GLASS INT'L
 PART OR ASSEMBLY: BILL OF MATERIALS

NO.	DATE	DESCRIPTION	BY
2	8/11/20	UPDATE TO 7th ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL	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-25575.3
 SHEET 13 OF 13

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.