

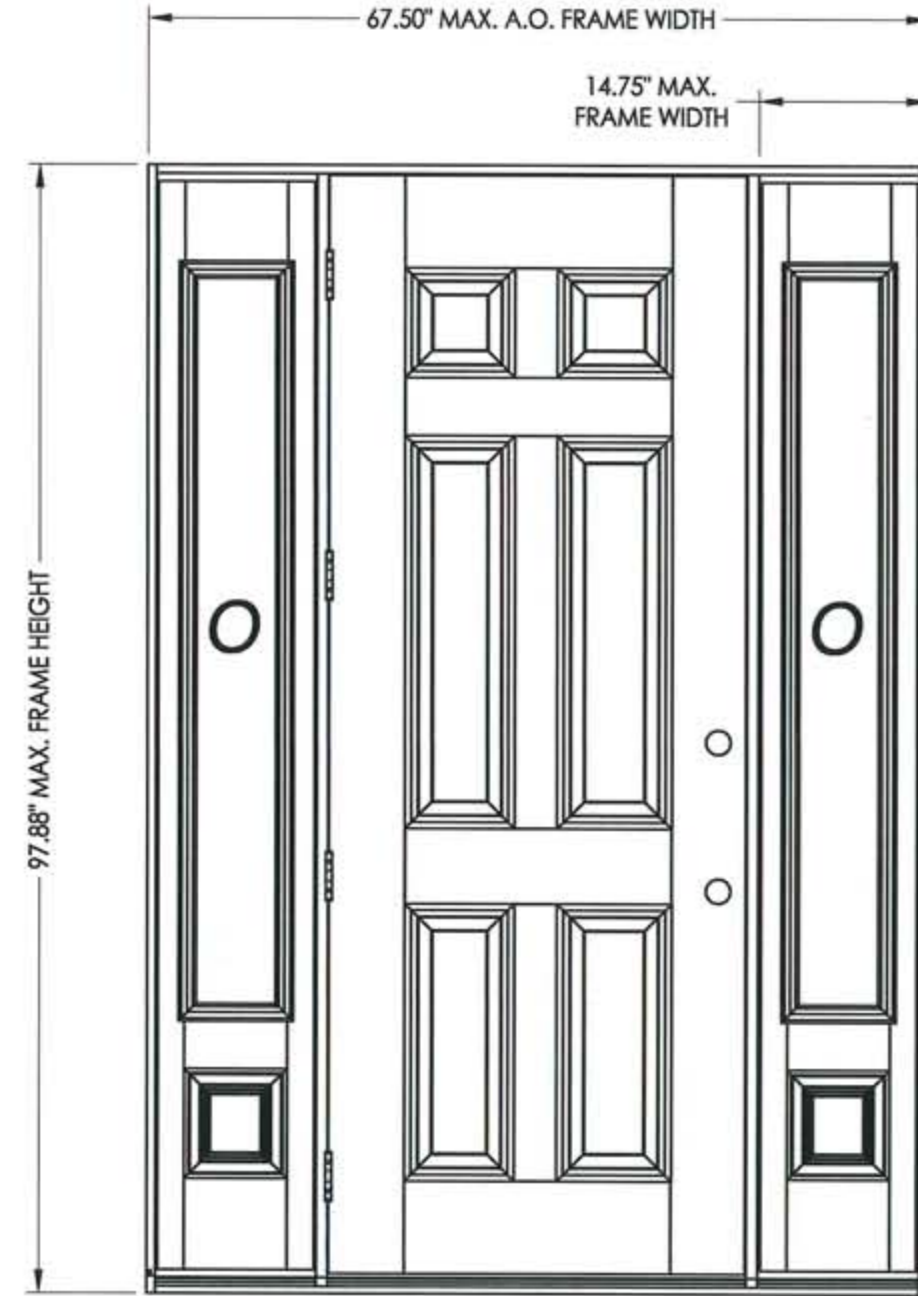


4621 192nd STREET EAST TACOMA, WA 98446
 TEL: 253-875-7300 FAX: 253-875-7301

PREMIUM OPAQUE FIBERGLASS "IMPACT" DOOR WITH "NON-IMPACT" SIDELITES INSWING / OUTSWING

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 2007 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 the opaque door complies with Section 1609.1.2 of the 2007 FBC and does not need to be protected with an impact resistant covering. The sidelite is req'd to be protected with an impact resistant covering that complies with Section 1609.1.2 of the 2007 FBC.
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.



CONTINUOUS HEADER AND SILL

SWING	MAX. FRAME DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
INSWING	67.50" x 97.88"	G1	+47.0	-47.0
OUTSWING	67.50" x 96.75"		+47.0	-47.0

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel construction details
3	Sidelite panel construction details & glazing details
4	Horizontal cross sections
5	Vertical cross sections
6	Vertical cross sections
7	Buck anchoring
8	Frame anchoring - 2X buck masonry construction
9	Frame anchoring - 1X buck masonry construction
10	Components
11	Bill of materials

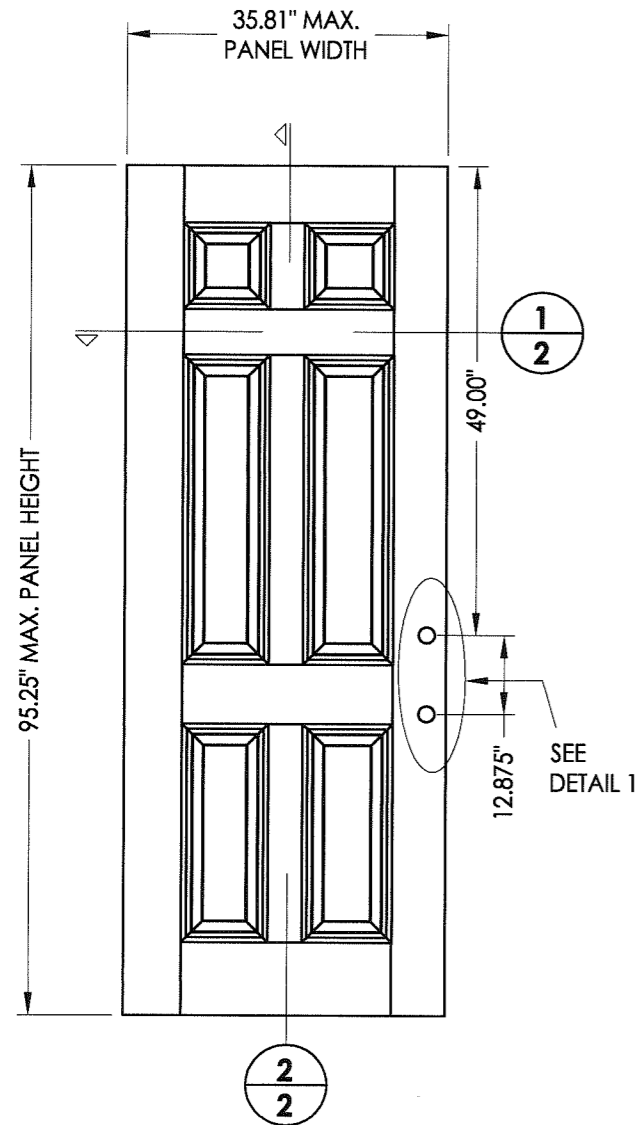
Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
Wendell W. Higney 7-18-08
 Wendell W. Higney, P.E. No. 54158

PRODUCT:
 TRINITY GLASS INT'L
 8'0" PREMIUM OPAQUE

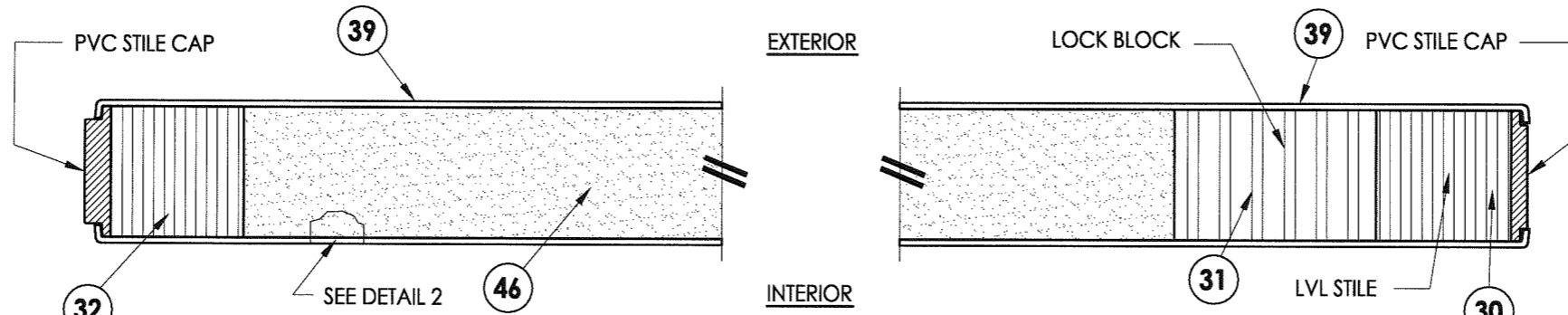
PART OR ASSEMBLY:
 TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	BY	REVISIONS

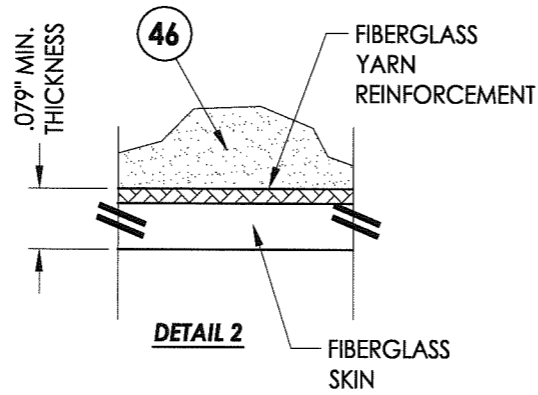
DATE: 5/07/08
 SCALE: N.T.S.
 DWG. BY: YV
 CHK. BY: WWH
 DRAWING NO.: FL-5750.3
 SHEET 1 OF 11



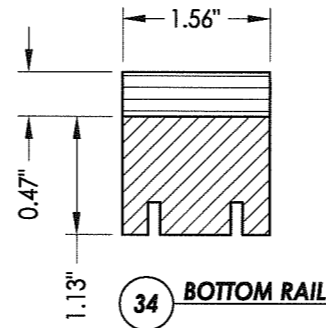
7 PREMIUM OPAQUE DOOR "IMPACT"



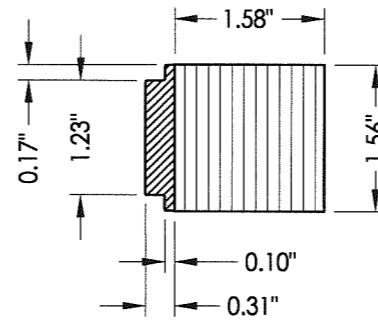
1 HORIZONTAL CROSS SECTION
2



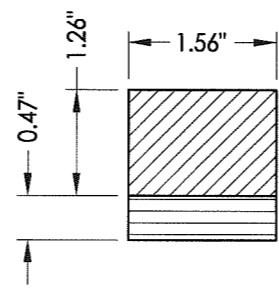
DETAIL 2



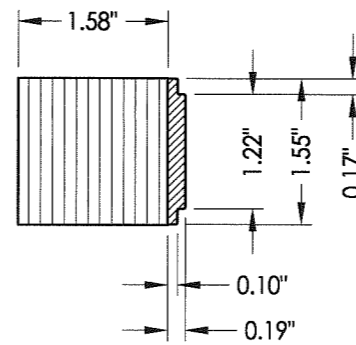
34 BOTTOM RAIL



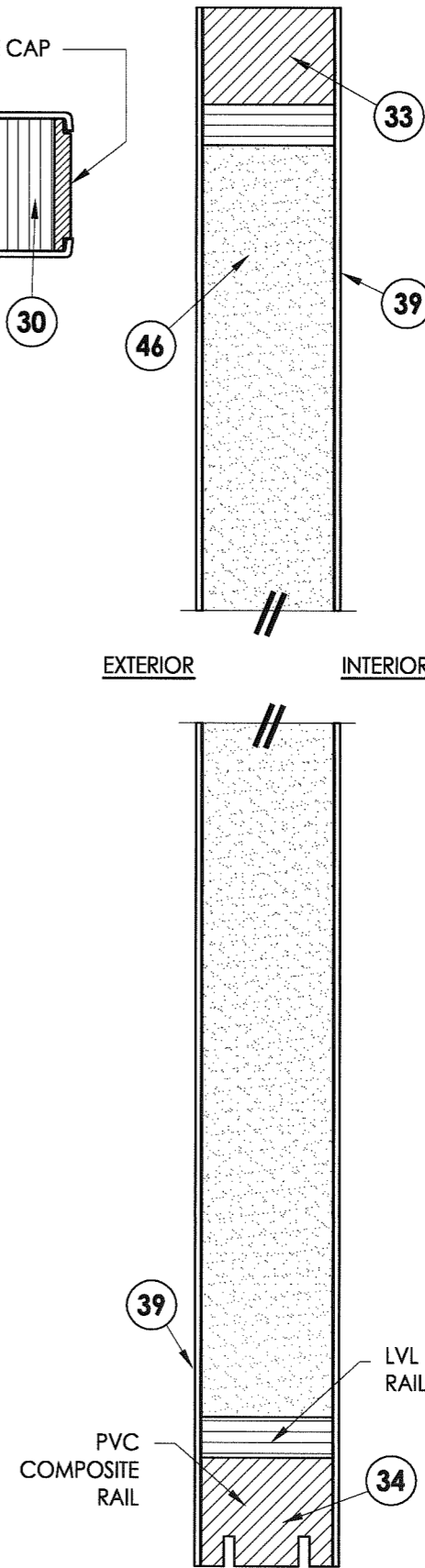
32 HINGE STILE



33 TOP RAIL



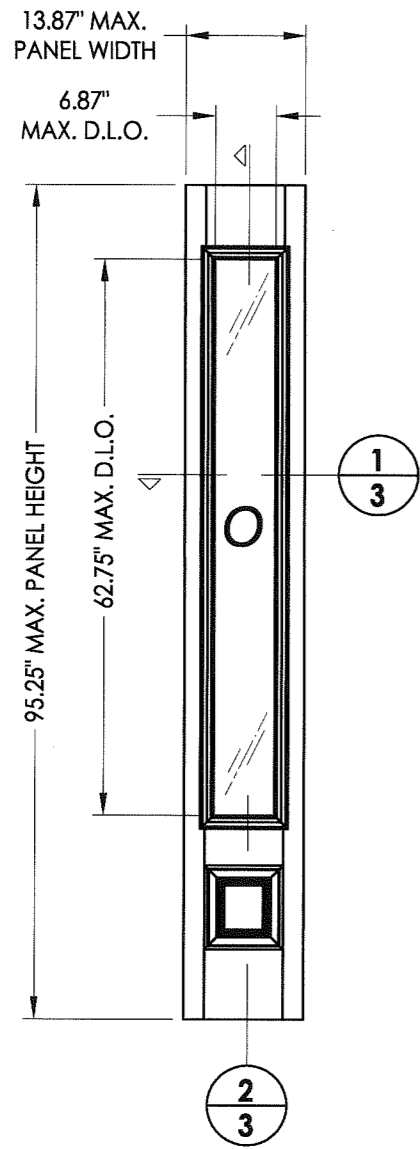
30 LATCH STILE



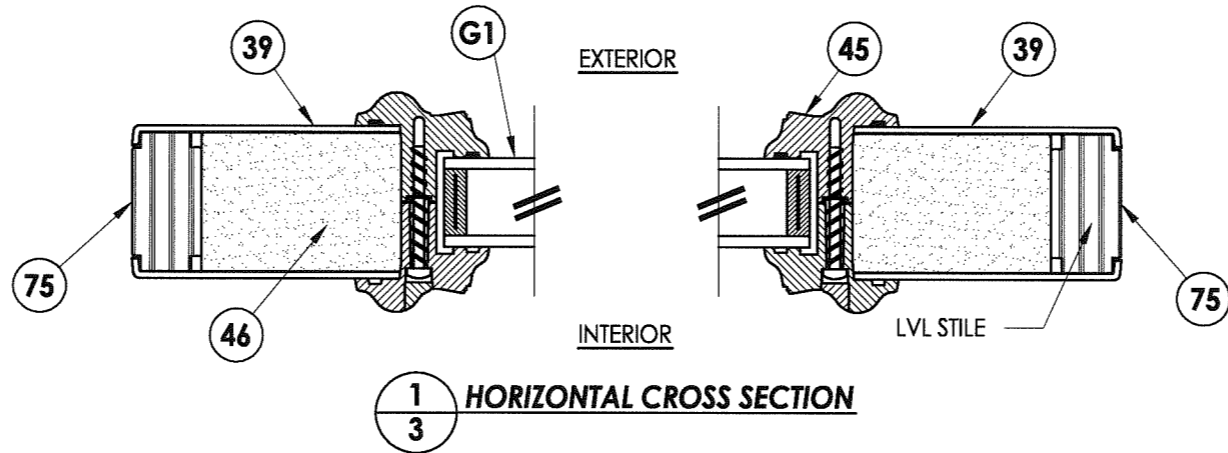
2 VERTICAL CROSS SECTION
2

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL, 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9813
Wendell W. Hopper 7-18-08
 Wendell W. Hopper P.E. No. 54158

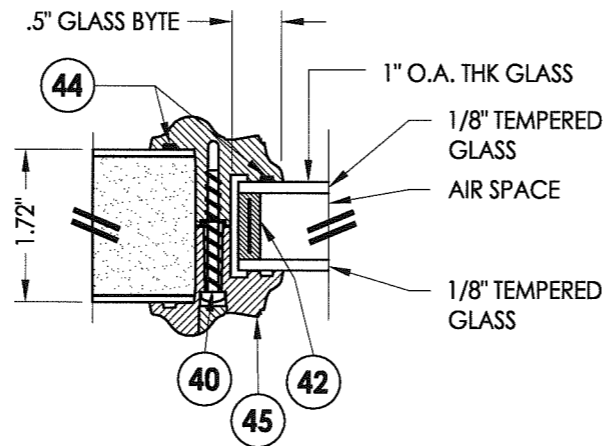
PRODUCT:	TRINITY GLASS INT'L 8'0 PREMIUM OPAQUE	
PART OR ASSEMBLY:	DOOR PANEL CONSTRUCTION DETAILS	
NO.	DATE	BY
REVISIONS		
DATE: 5/07/08		
SCALE: N.T.S.		
DWG. BY: YV		
CHK. BY: WWH		
DRAWING NO.: FL-5750.3		
SHEET 2 OF 11		



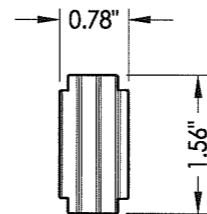
66 FIBERGLASS SIDELITE
"NON-IMPACT"



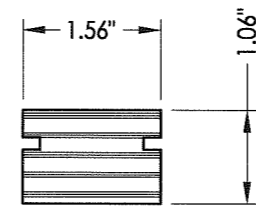
1 HORIZONTAL CROSS SECTION



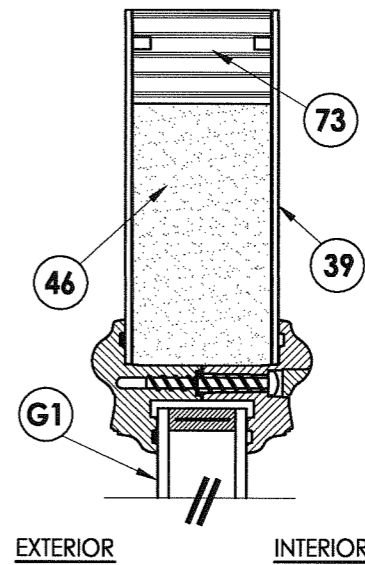
G1 GLAZING DETAIL



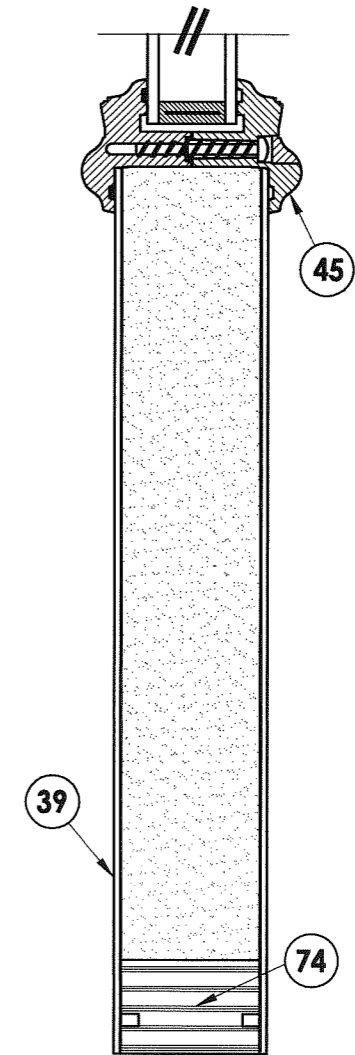
75 SIDELITE STILE



74 73 TOP & BOTTOM RAIL SIDELITE



2 VERTICAL CROSS SECTION



DATE: 5/07/08
SCALE: N.T.S.
DWG. BY: YV
CHK. BY: WWH
DRAWING NO.: FL-5750.3
SHEET 3 OF 11

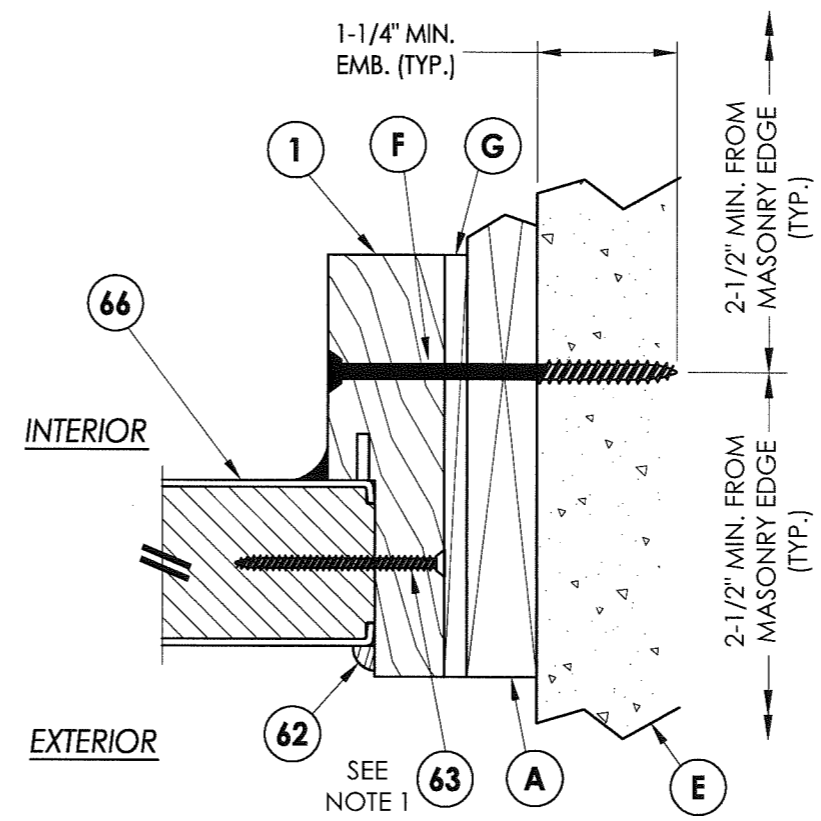
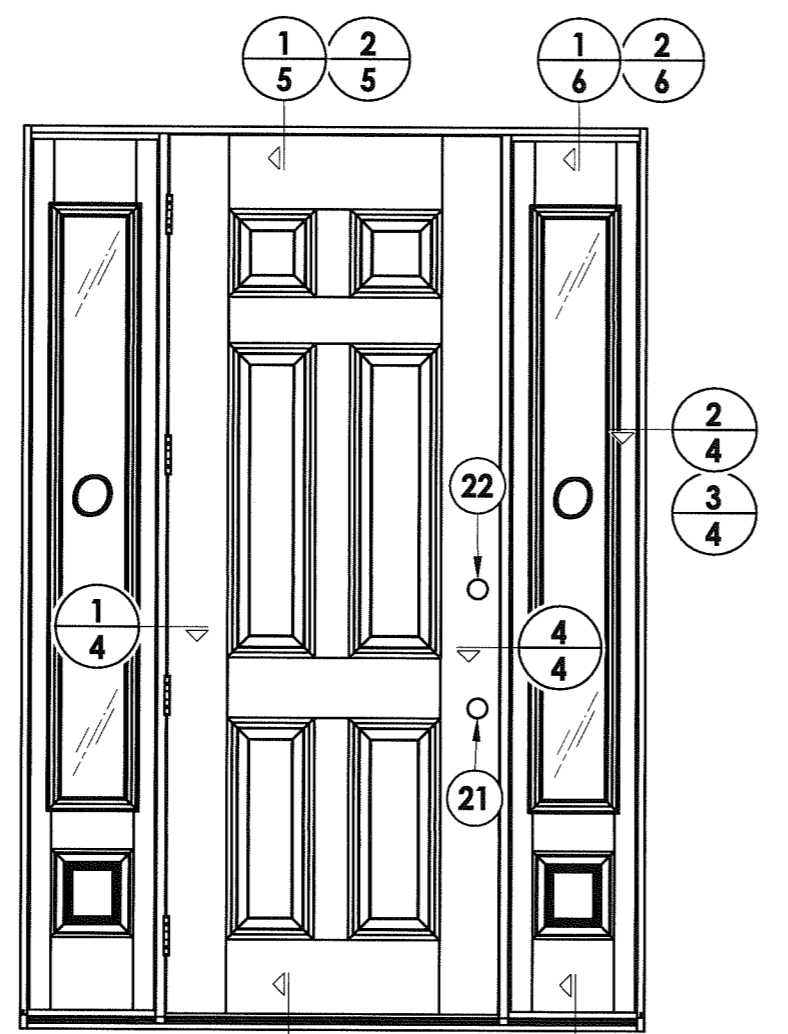
PRODUCT: TRINITY GLASS INT'L
80 PREMIUM OPAQUE
PART OR ASSEMBLY: SIDELITE PANEL CONSTRUCTION
DETAILS AND GLAZING DETAILS

Documents Prepared By:

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Vairico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Honey, P.E. No. 54158
7-18-08

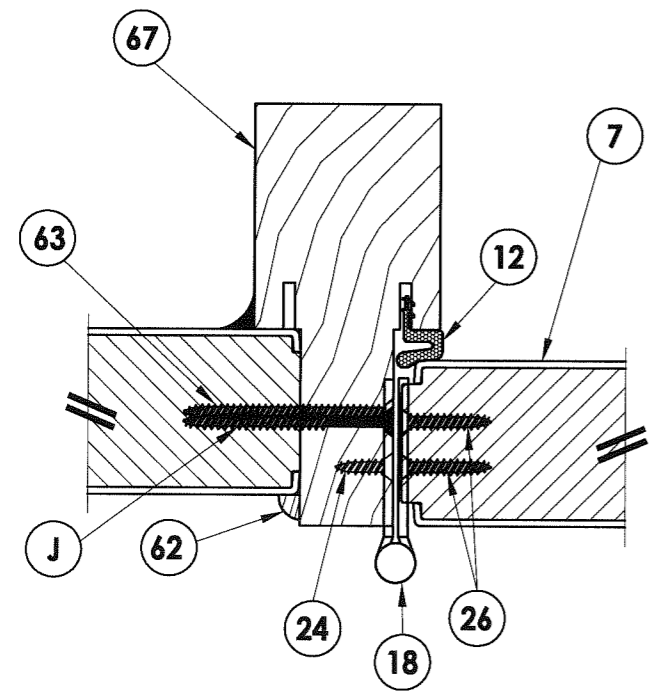
REVISIONS

R:\A - Projects\Project Folders\Proj 801 - 900\pf826\FL-5750\FL-5750.1-5.DWG, Model

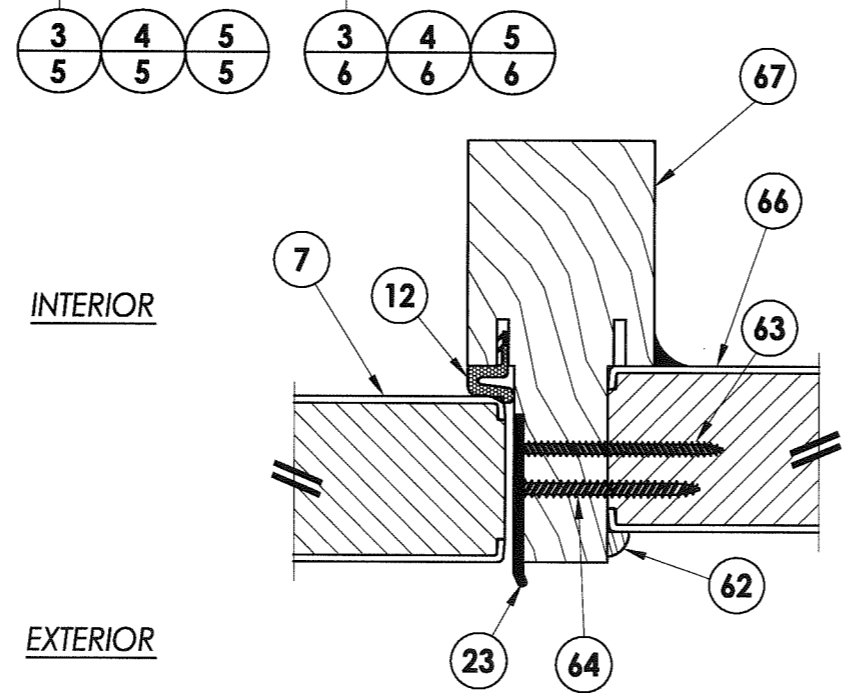


3 **HORIZONTAL CROSS SECTION**
4 Shown w/1X sub-buck substituting concrete screws for wood screws per Section 1714.5.4.2 of the FBC

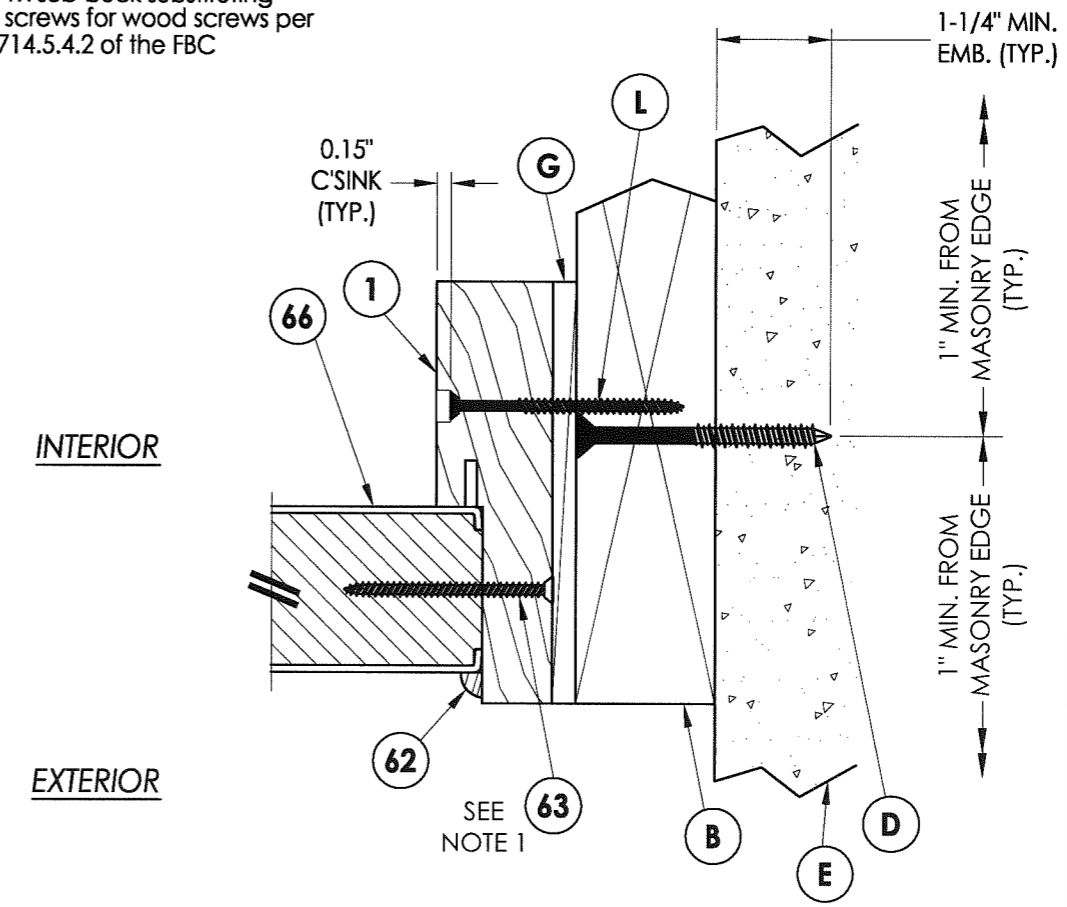
NOTE:
 1. Item #63 - #8 x 2-1/4" PFH screws thru jamb into sidelite located @ 6", 27", 50-1/4", & 72-1/8" from top of frame typ. both side jambs.



1 **HORIZONTAL CROSS SECTION**
4



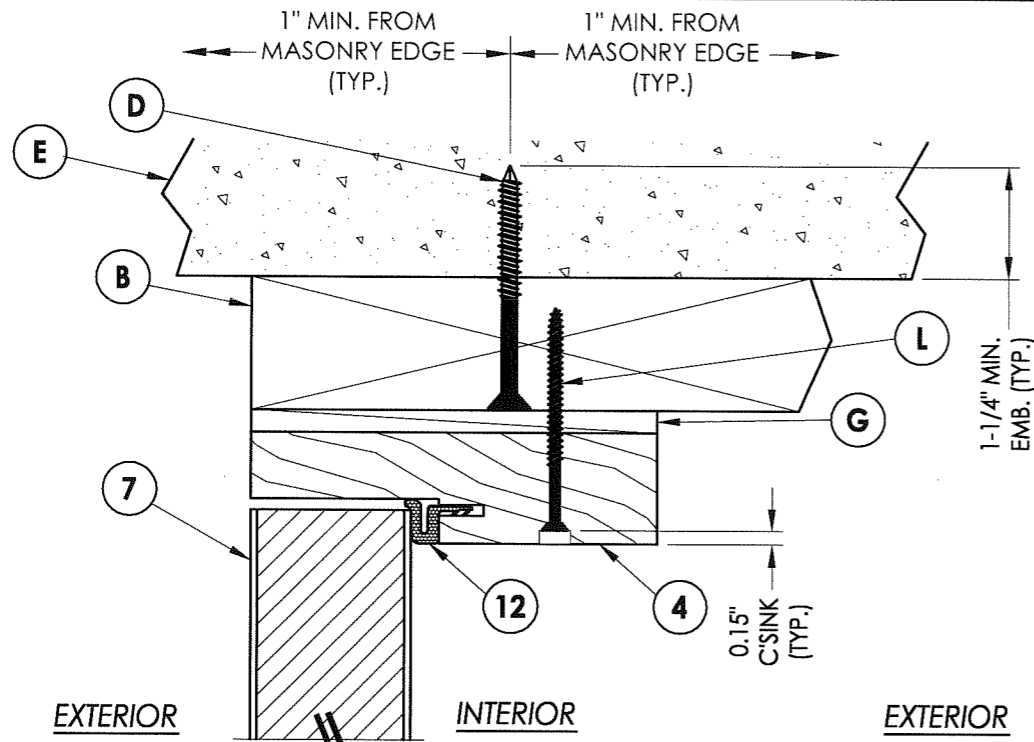
4 **HORIZONTAL CROSS SECTION**
4



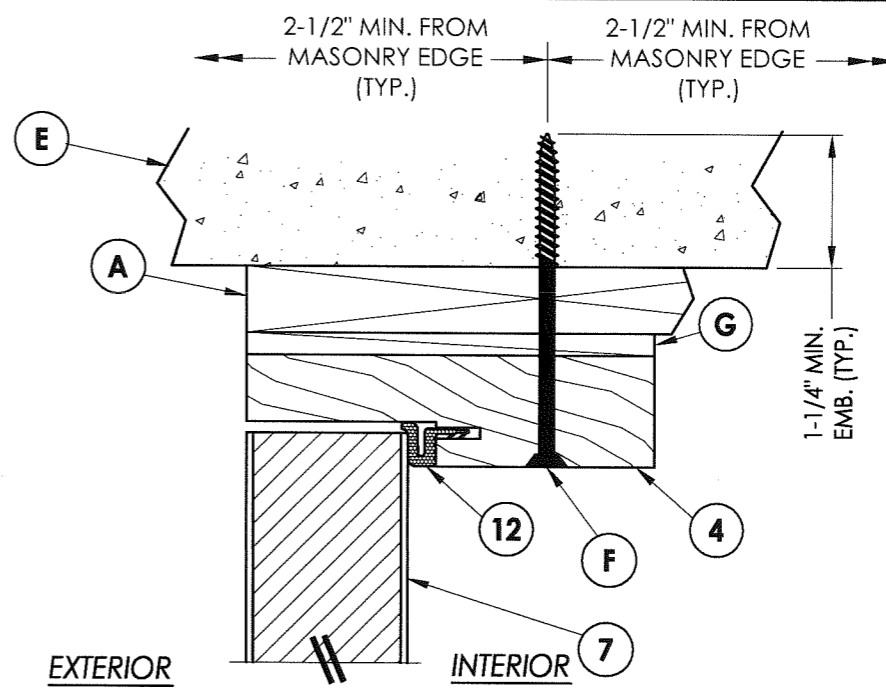
2 **HORIZONTAL CROSS SECTION**
4

Documents Prepared By:		RW BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.659.9197 Florida Board of Professional Engineers Certificate Of Authorization No. 9813 <i>Wendell W. Haney</i> 7-13-08 Wendell W. Haney, P.E. No. 54158	
PRODUCT:	TRINITY GLASS INT'L 80 PREMIUM OPAQUE	HORIZONTAL CROSS SECTION	
PART OR ASSEMBLY:			
NO.	DATE	BY	REVISIONS
DATE:	5/07/08		
SCALE:	N.T.S.		
DWG. BY:	YV		
CHK. BY:	WWH		
DRAWING NO.:	FL-5750.3		
SHEET	4	OF	11

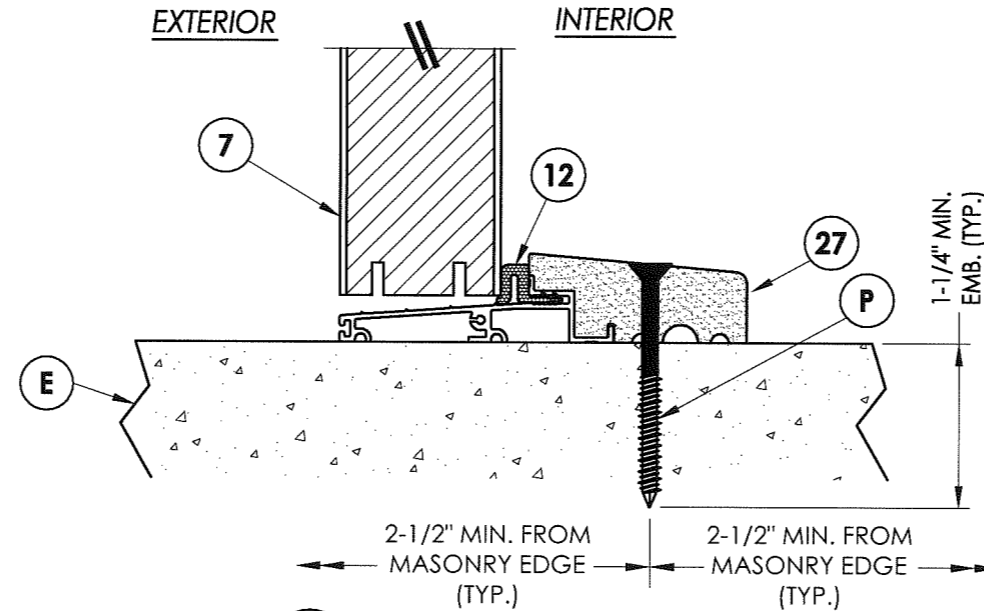
© 2008 R.W. BUILDING CONSULTANTS INC.



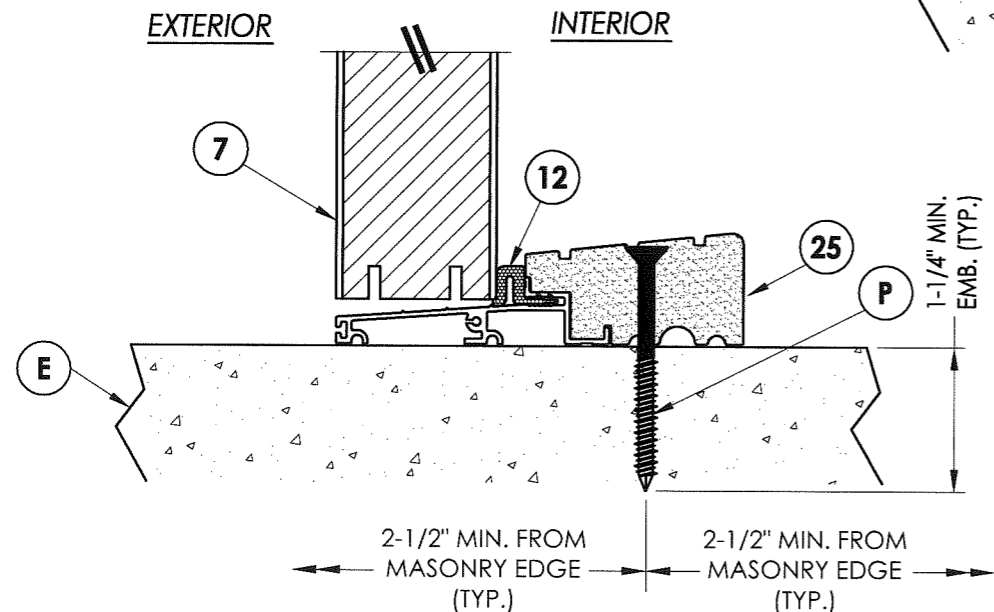
1 VERTICAL CROSS SECTION
5 Outswing shown
 Inswing also approved



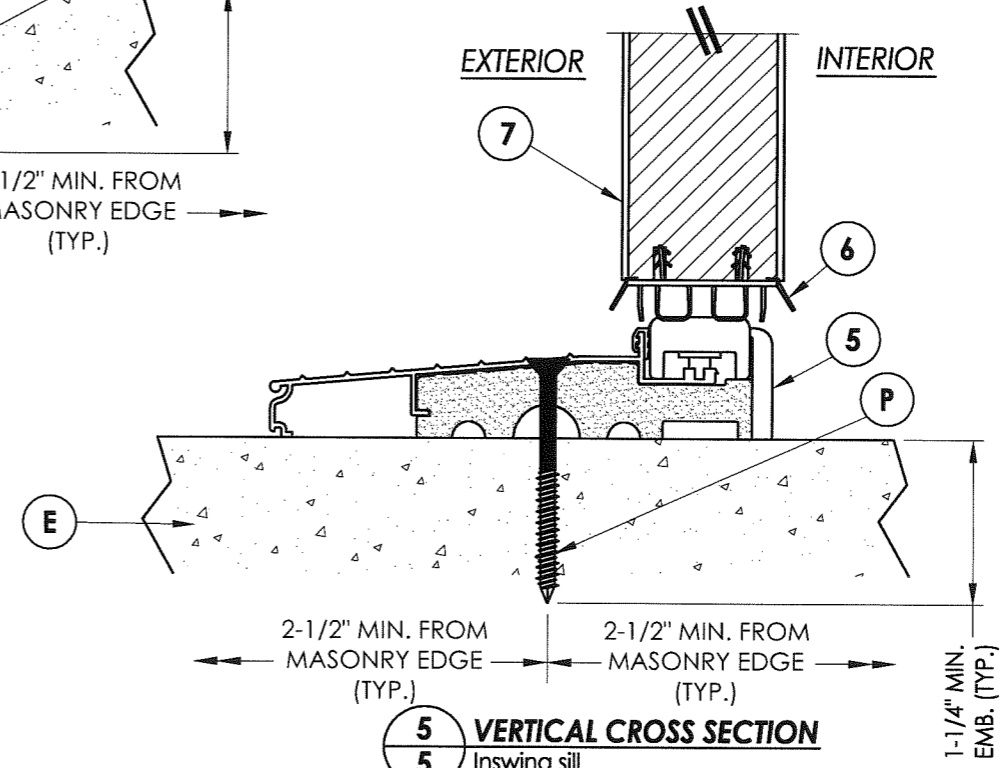
2 VERTICAL CROSS SECTION
5 Shown w/1X sub-buck substituting
 concrete screws for wood screws per
 Section 1714.5.4.2 of the FBC



4 VERTICAL CROSS SECTION
5 Outswing sill



3 VERTICAL CROSS SECTION
5 Outswing sill - high dam



5 VERTICAL CROSS SECTION
5 Inswing sill

Documents Prepared By:

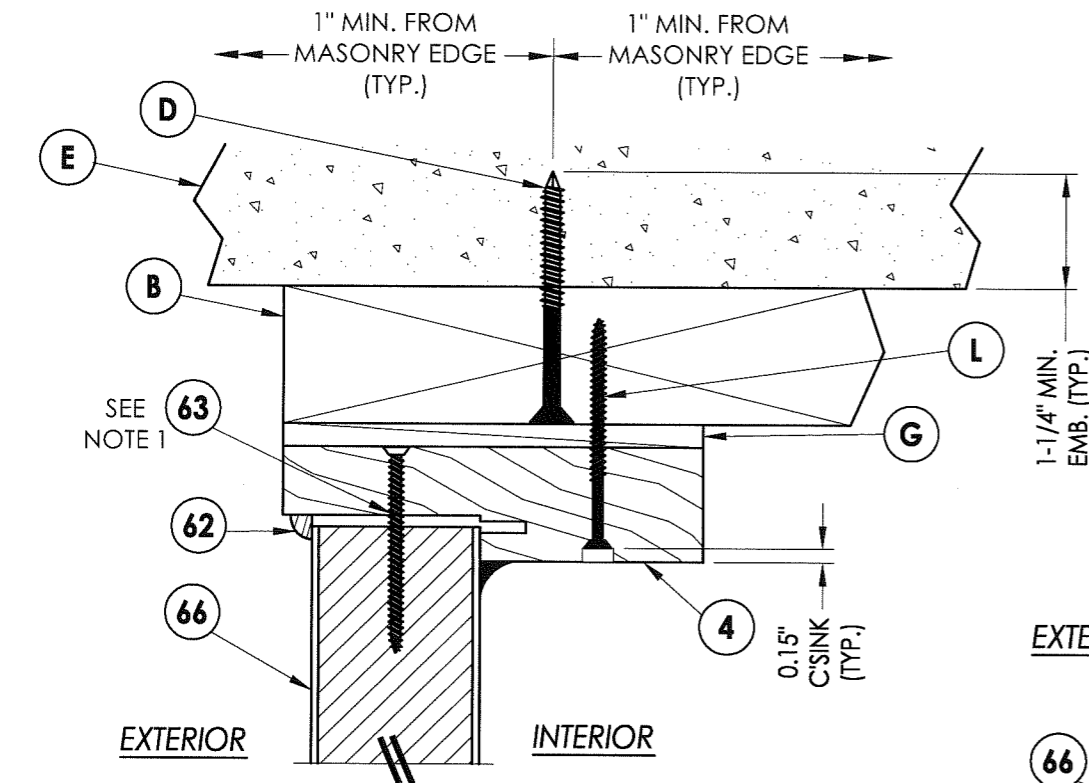
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Vairico FL 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9813
Wendell W. Haney 7/18/08
 Wendell W. Haney, P.E. No. 54158

PRODUCT:
 TRINITY GLASS INT'L
 8'0 PREMIUM OPAQUE

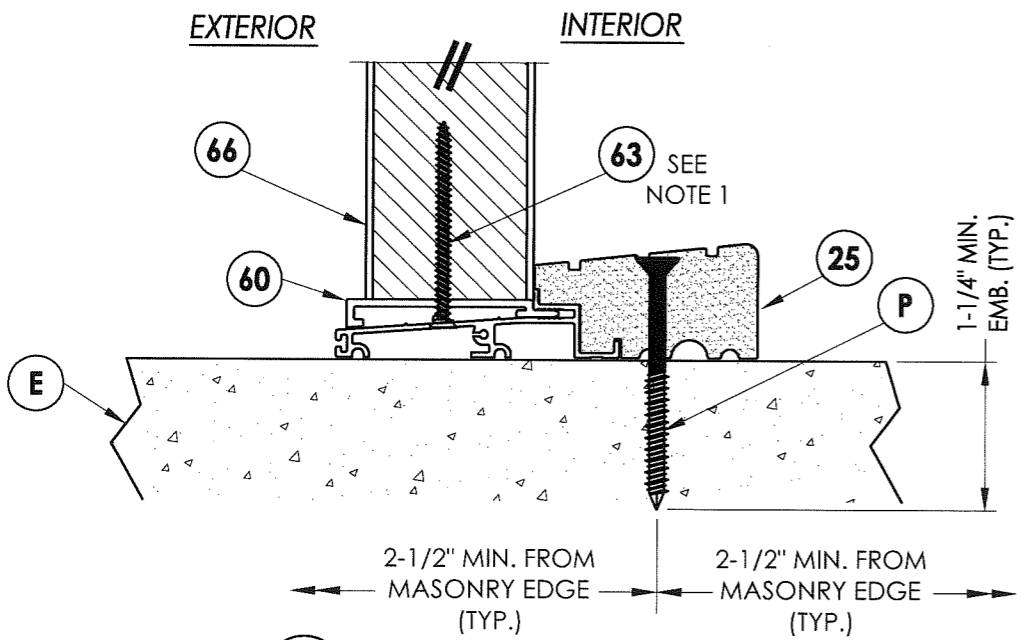
PART OR ASSEMBLY:
 VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

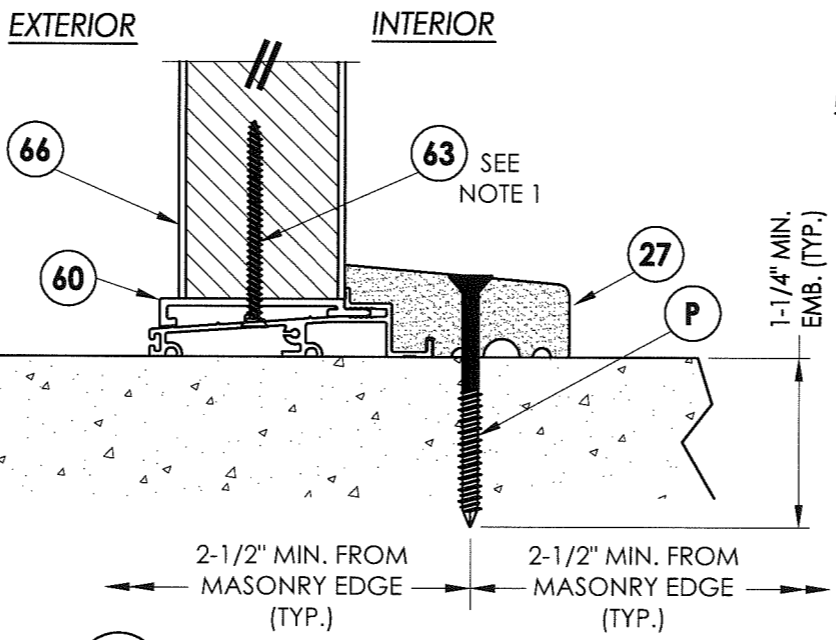
DATE: 5/07/08
 SCALE: N.T.S.
 DWG. BY: YV
 CHK. BY: WWH
 DRAWING NO.:
 FL-5750.3
 SHEET 5 of 11



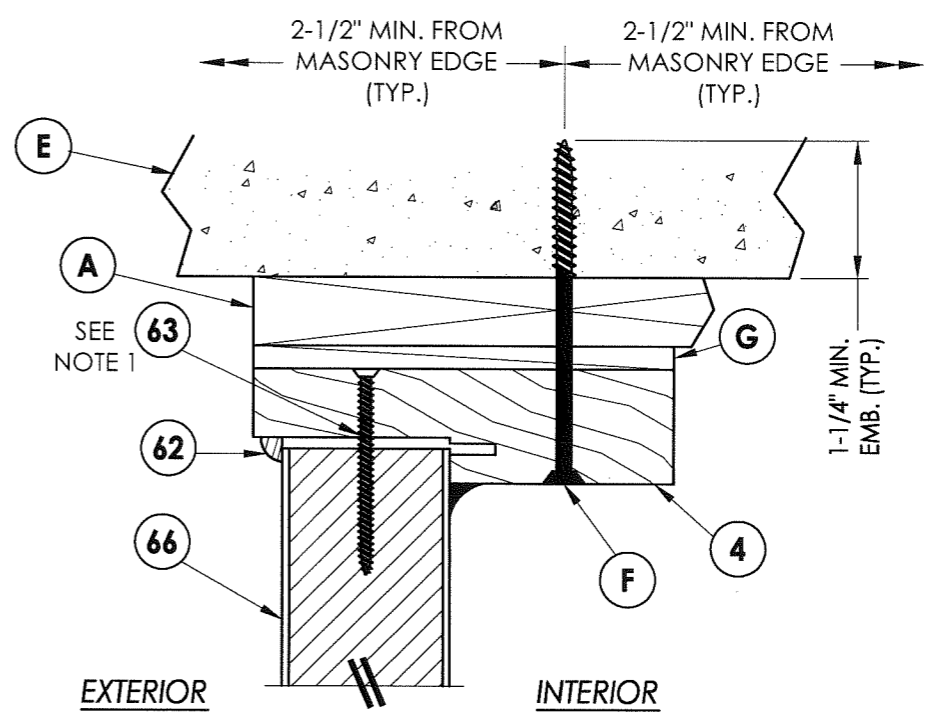
1
6 VERTICAL CROSS SECTION



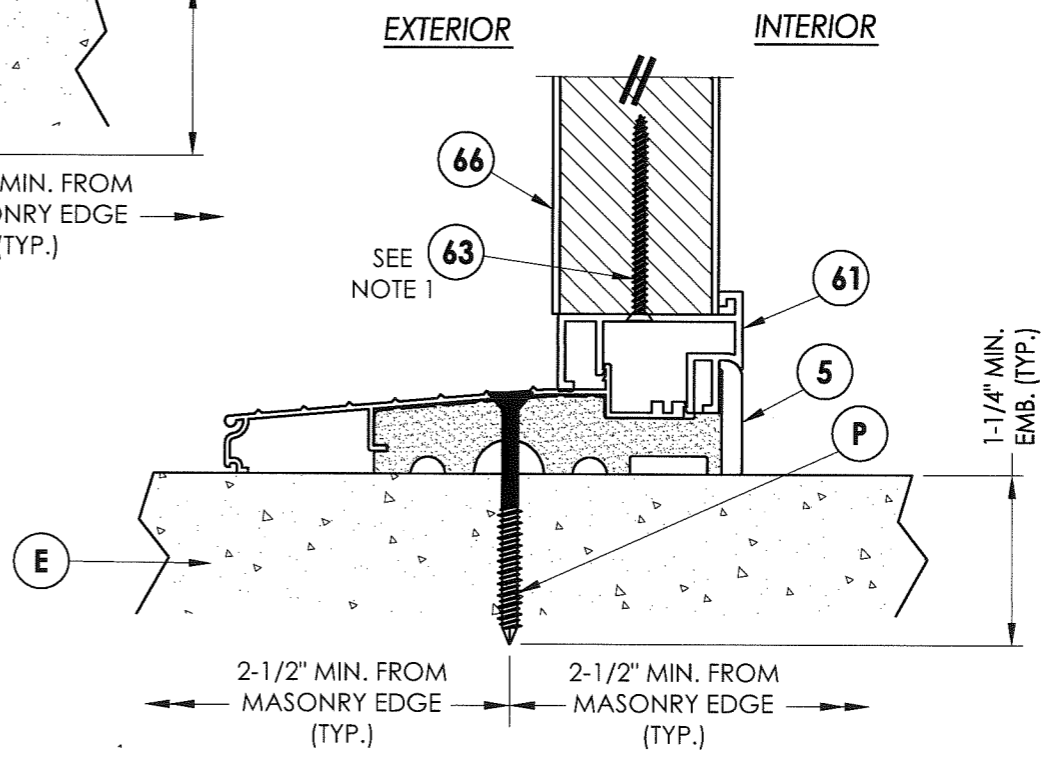
3
6 VERTICAL CROSS SECTION
Outswing sill - high dam



4
6 VERTICAL CROSS SECTION
Outswing sill



2
6 VERTICAL CROSS SECTION
Shown w/1X sub-buck substituting concrete screws for wood screws per Section 1714.5.4.2 of the FBC



5
6 VERTICAL CROSS SECTION
Inswing sill

NOTE:
1. Screws thru head and sill jamb located 3" from each end and on center line.

Documents Prepared By:

R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Haney 7-18-08
Wendell W. Haney P.E. No. 54158

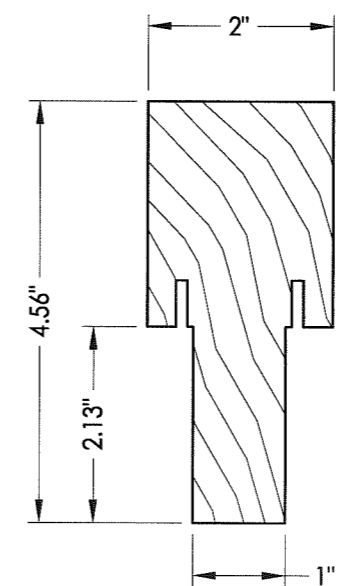
PRODUCT:	TRINITY GLASS INT'L 80 PREMIUM OPAQUE
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE:	5/07/08
SCALE:	N.T.S.
DWG. BY:	YV
CHK. BY:	WWH
DRAWING NO.:	FL-5750.3
SHEET	6 OF 11

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >=0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
D	1/4" X 2-3/4" ELCO PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,192 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" ITW PFH CONCRETE SCREW	STEEL
G	MAX. 1/4" SHIM SPACE	WOOD
J	#9 X 2-1/4" PFH WS	STEEL
L	#8 X 2-1/2" PFH WS	STEEL
P	1/4" X 2-3/4" ITW PFH CONCRETE SCREW	STEEL
1	SIDELITE JAMB - FINGER-JOINT PINE - SG >= 0.42	WOOD
4	HEAD - FINGER-JOINT PINE - SG >= 0.42	WOOD
5	INSWING THRESHOLD ALUMINUM W/ COMPOSITE SUBSTRATE	ALUMINUM
6	DOOR BOTTOM SWEEP	PVC
7	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
8	#6 X 1-1/4 PFH DRYWALL SCREW	STEEL
9	#9 X 2-1/4" PFH SMS	STEEL
12	WEATHER STRIP QEBD650 Q-LON	-
18	3.983" X 4.0" HINGE MIN 0.098" THICK	STEEL
19	SILLKEY	PC/ASA
21	KWIKSET LOCK -SERIES 200 PASSAGE	STEEL
22	KWIKSET DEADBOLT -SERIES 600	STEEL
23	STRIKE PLATE	STEEL
23A	DEADBOLT PLATE	STEEL
24	#9 X 5/8" PFH WS	STEEL
25	OUTSWING HIGH-DAM THRESHOLD ALUMINUM W/ COMPOSITE SUBSTRATE	ALUM./ COMP.
26	#9 X 1.0" PFH WS	STEEL
27	OUTSWING THRESHOLD ALUMINUM W/ COMPOSITE SUBSTRATE	ALUM./ COMP.
30	LATCH STILE - SG >= 0.42	LVL/PVC
31	LVL LOCK BLOCK	POPLAR
32	HINGE STILE - SG >= 0.42	LVL/PVC
33	TOP RAIL - POPLAR LVL & WPC COMBINATION	POPLAR/WPC
34	BOTTOM RAIL - POPLAR LVL & WPC COMBINATION	POPLAR/WPC

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
39	FIBERGLASS SKIN 0.079" MIN. THICKNESS (Fy = 5,203 PSI MIN.)	FIBERGLASS
40	#8 X 1-1/8" SELF THREADING SCREW	STEEL
42	ALUMINUM & BUTYL SPACER SYSTEM	ALUM./BUTYL
44	HOT MELT SEALANT	-
45	LITE FRAME	ABS
46	DOOR PANEL CORE FOAMED	POLYURETHANE
60	SIDELITE SPACER - OUTSWING	PVC
61	SIDELITE SPACER - INSWING	PVC
62	QUARTER ROUND	WOOD
63	#8 x 2-1/4" PFH SCREW	STEEL
64	#8 x 2" PFH SCREW	STEEL
66	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
67	INTEGRAL MULLION - FINGER JOINT PINE (SG >= 0.42)	WOOD
69	MULLION BASE KIT	PC/ASA
73	LVL SIDELITE TOP RAIL (FULL LITE)	POPLAR
74	LVL SIDELITE BOTTOM RAIL (FULL LITE)	POPLAR
75	LVL SIDELITE STILE (FULL LITE)	POPLAR



67 INTEGRAL MULLION

Documents Prepared By: **R.W.** BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Hager, P.E. No. 54158

PRODUCT: TRINITY GLASS INT'L
8'0" PREMIUM OPAQUE

PART OR ASSEMBLY: BILL OF MATERIALS

NO.	DATE	BY	REVISIONS

DATE: 5/07/08
SCALE: N.T.S.
DWG. BY: YV
CHK. BY: WWH
DRAWING NO.: FL-5750.3
SHEET 11 OF 11

© 2008 R.W. BUILDING CONSULTANTS INC.