



Trinity Glass
INTERNATIONAL

4621 192nd STREET EAST TACOMA, WA 98446

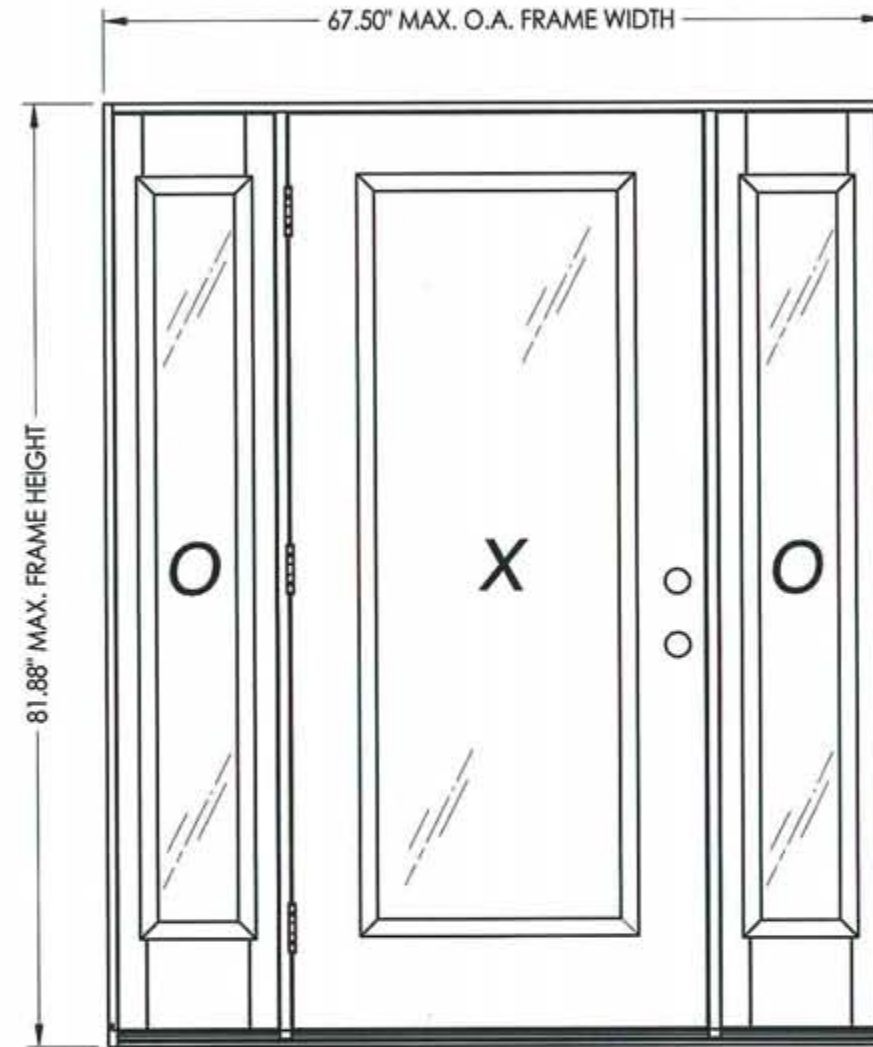
**PREMIUM LIPLITE
FIBERGLASS DOOR
IN SWING / OUT SWING
"NON-IMPACT"**

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 2007 Florida Building Code (FBC) structural requirements including 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 the "HVHZ" this product is required to be protected with an impact resistant covering that complies with Section 1626 of the 2007 FBC.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configuration using threshold item #25 meet water infiltration requirements for "HVHZ".
8. Inswing configurations and outswing configuration using threshold item #27 do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

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1	Typical elevations, design pressures & general notes
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6	Vertical cross sections
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8	Frame anchoring - 1X buck masonry construction
9	Components
10	Bill of materials



CONTINUOUS HEADER AND SILL

SWING	MAX. FRAME DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
IN SWING	67.50" x 81.88"	G1	+47.0	-47.0
OUT SWING	67.50" x 80.75"		+47.0	-47.0

Documents Prepared By:

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9797
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Higney 8-1-08
Wendell W. Higney, P.E. No. 54158

PRODUCT:
TRINITY GLASS INT'L
PREMIUM LIPLITE FIBERGLASS

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

NO.	DATE	BY	REVISIONS

DATE: 5/09/08

SCALE: N.T.S.

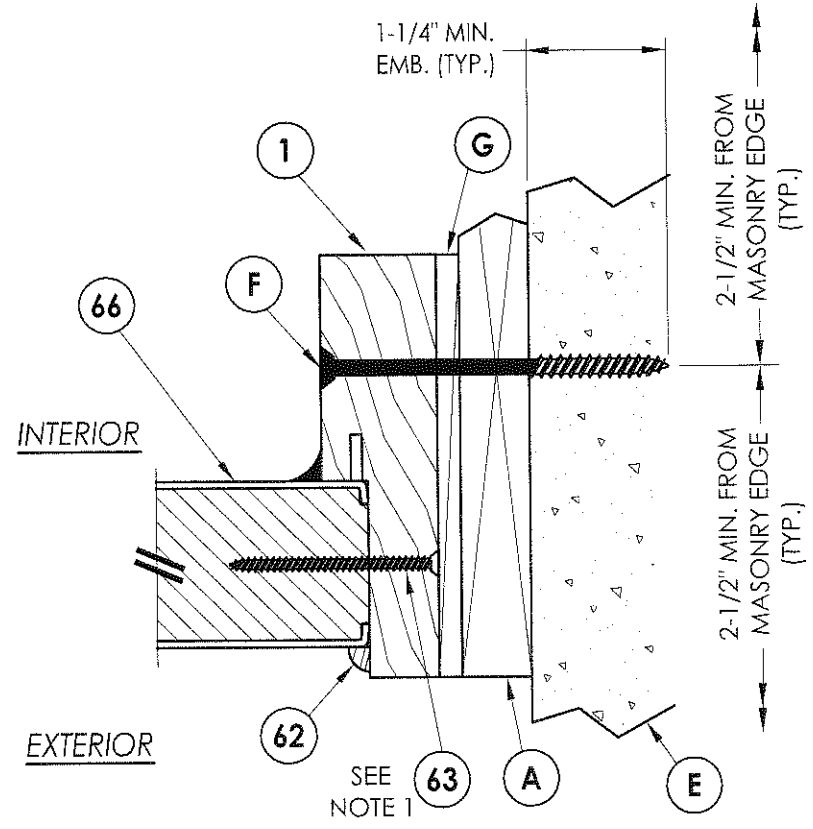
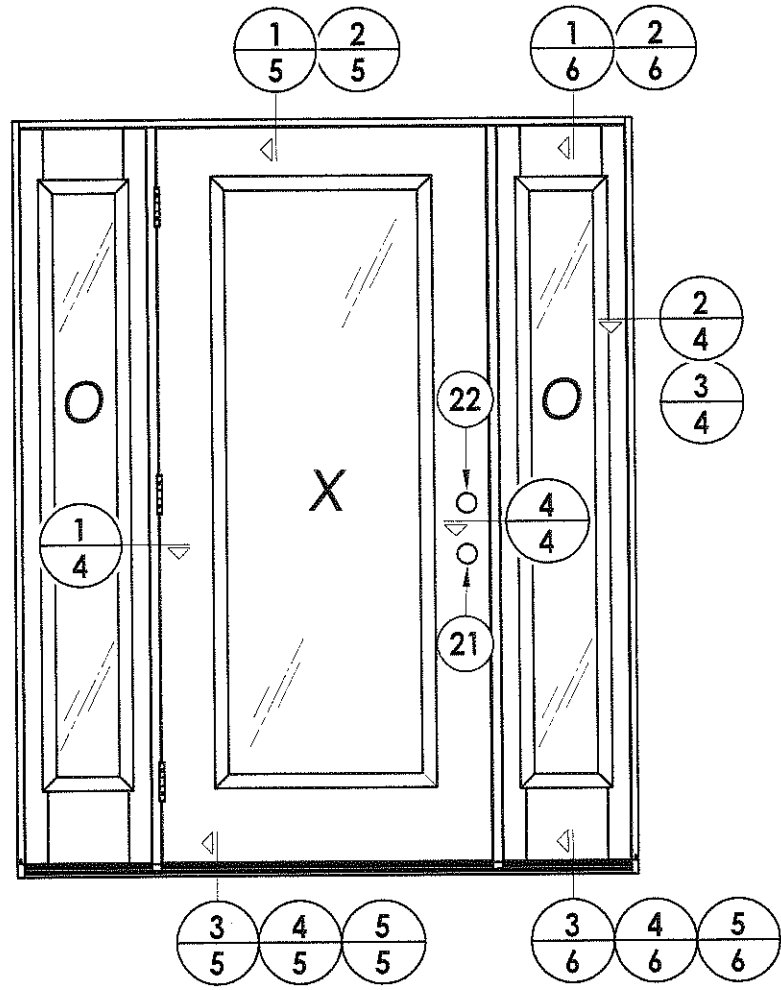
DWG. BY: YV

CHK. BY: WWH

DRAWING NO.:
FL-11165.4

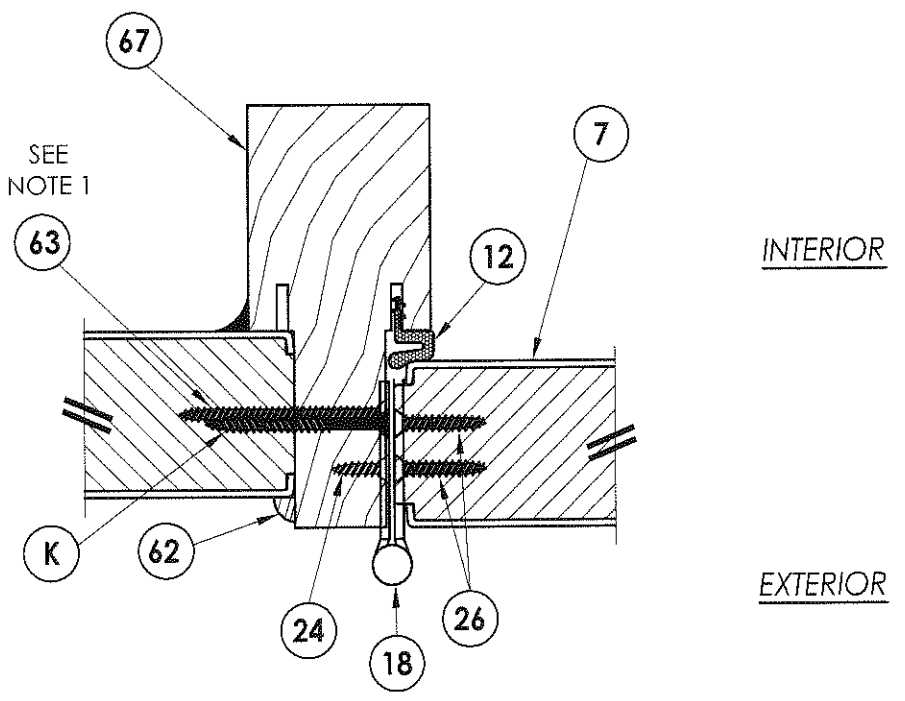
SHEET 1 OF 10

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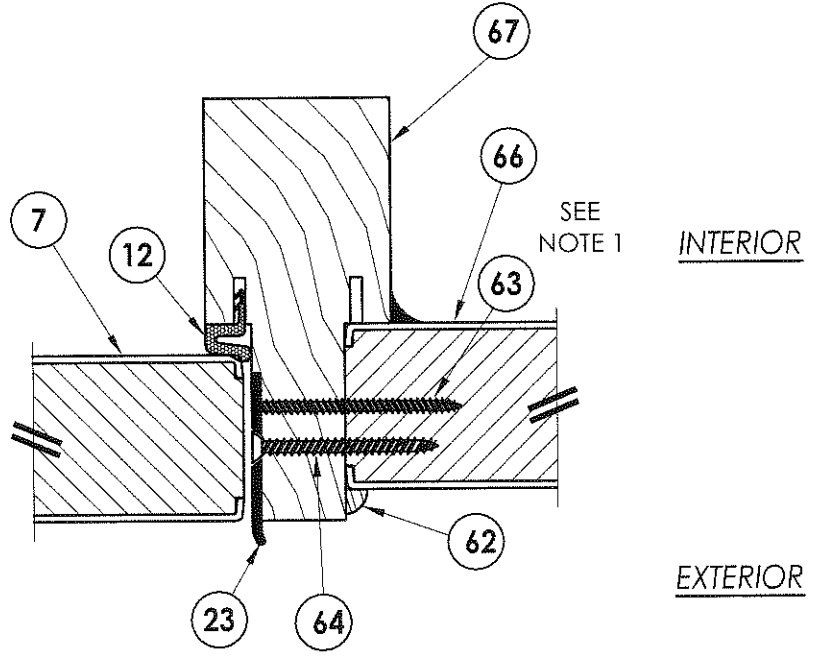


3 HORIZONTAL CROSS SECTION
4 Shown w/1X sub-buck substituting concrete screws for wood screws per Section 1714.5.4.2 of the FBC

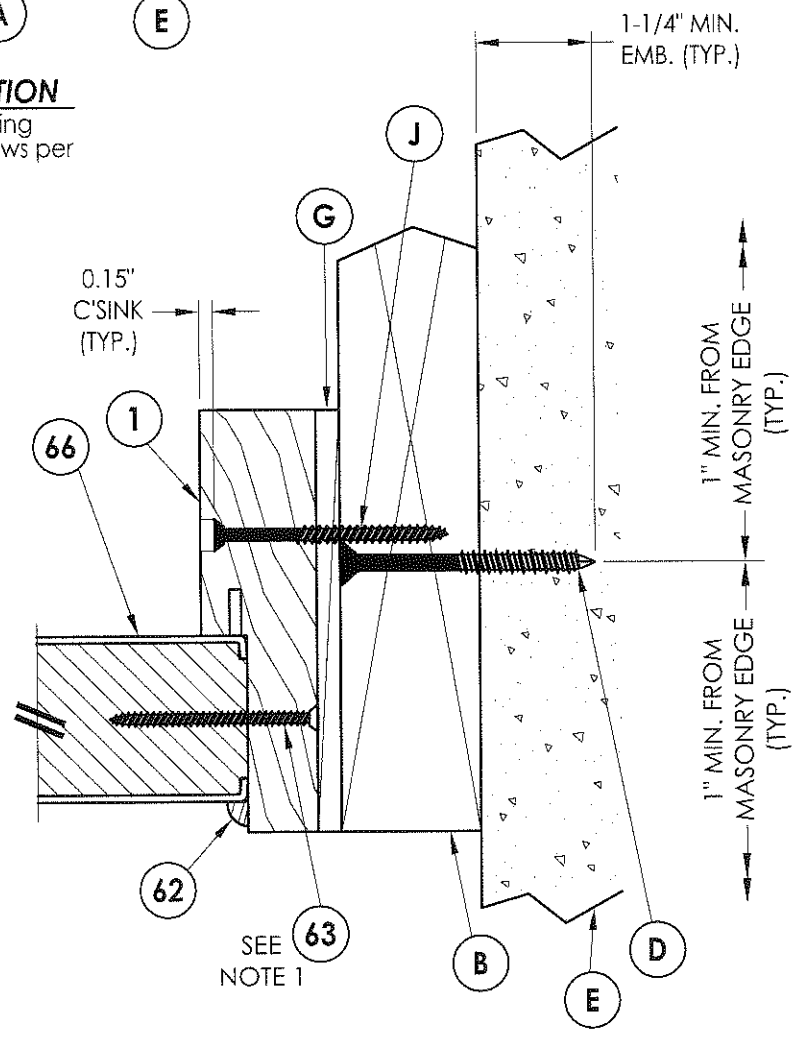
NOTE:
 1. Sidelite ass'y fastener; 6" from each end and 4 more screws equally spaced between. (6 screws total per jamb.)



1 HORIZONTAL CROSS SECTION
4 Outswing shown
 Inswing also approved



4 HORIZONTAL CROSS SECTION
4 Outswing shown
 Inswing also approved



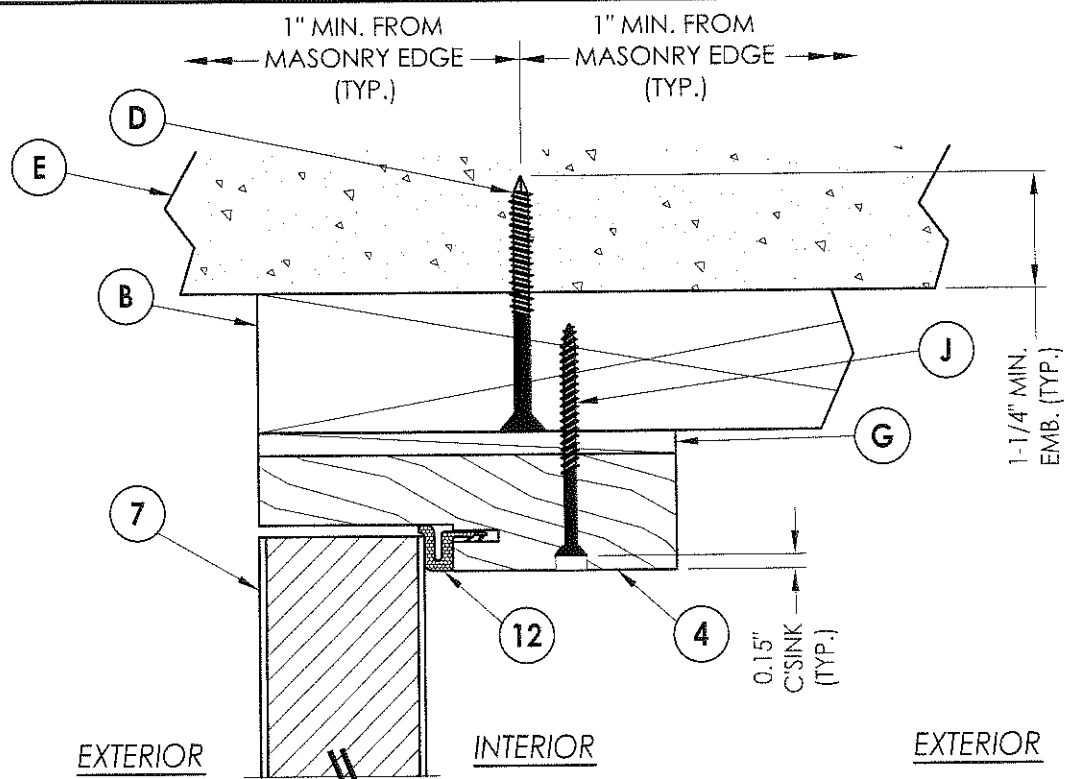
2 HORIZONTAL CROSS SECTION
4 Outswing shown
 Inswing also approved

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. Haggard B-1-08
 Wendell W. Haggard P.E. No. 54158

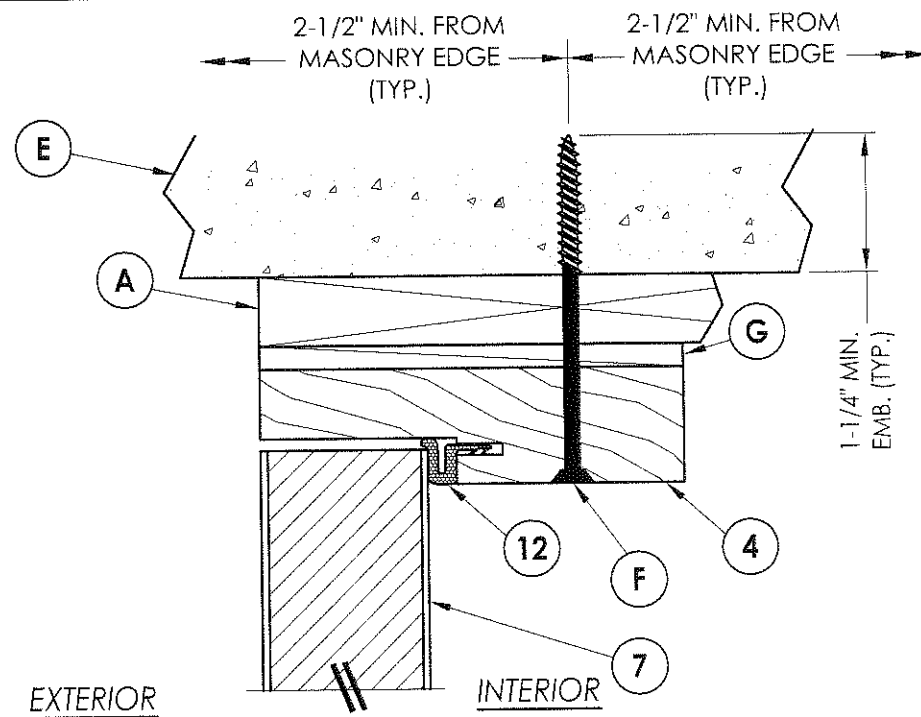
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PART OR ASSEMBLY:	HORIZONTAL CROSS SECTION
NO.	DATE
BY	REVISIONS
DATE:	5/09/08
SCALE:	N.T.S.
DWG. BY:	YV
CHK. BY:	WWH
DRAWING NO.:	FL-11165.4
SHEET	4 OF 10

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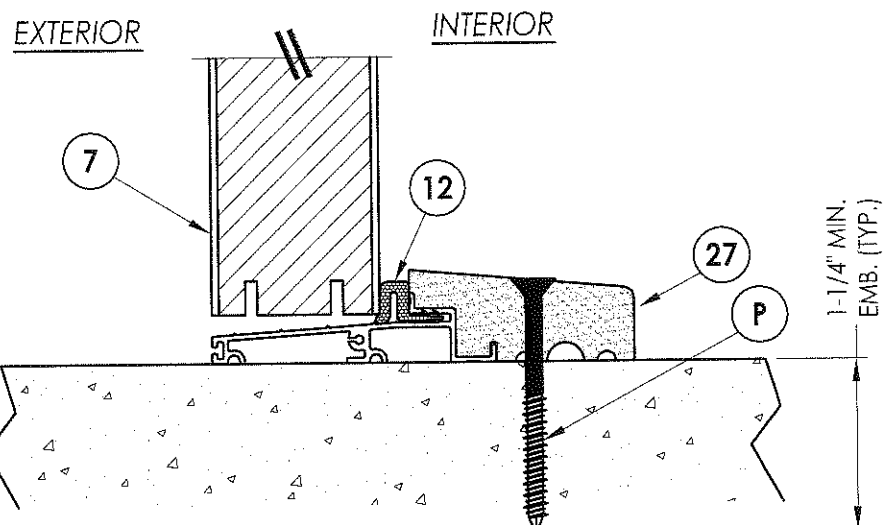
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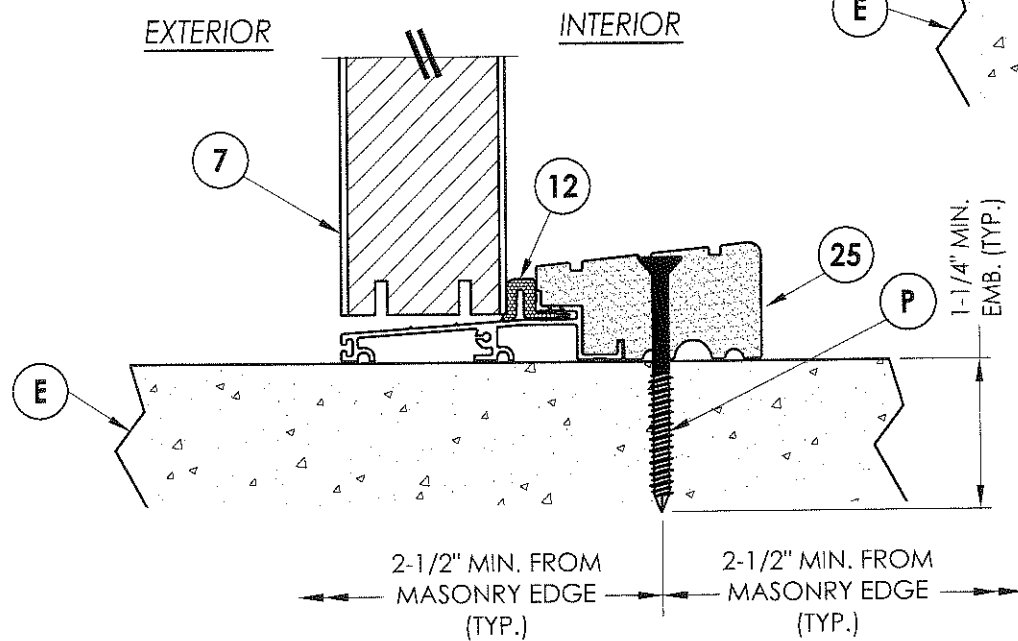
1 VERTICAL CROSS SECTION
5 Outswing shown
 Inswing also approved



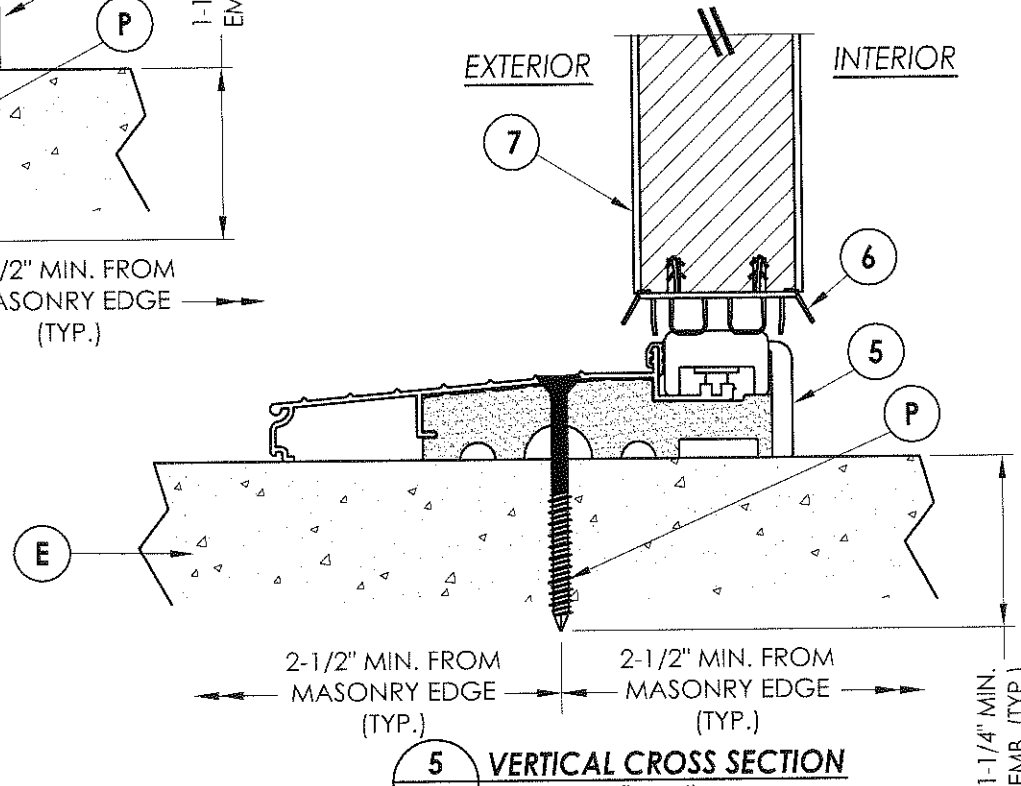
2 VERTICAL CROSS SECTION
5 Shown w/1X sub-buck substituting concrete screws for wood screws per Section 1714.5.4.2 of the FBC



4 VERTICAL CROSS SECTION
5 Outswing configuration see general notes, sheet 1 for "HVHZ" water infiltration requirements



3 VERTICAL CROSS SECTION
5 Outswing configuration see general notes, sheet 1 for "HVHZ" water infiltration requirements



5 VERTICAL CROSS SECTION
5 Inswing configuration see general notes, sheet 1 for "HVHZ" water infiltration requirements

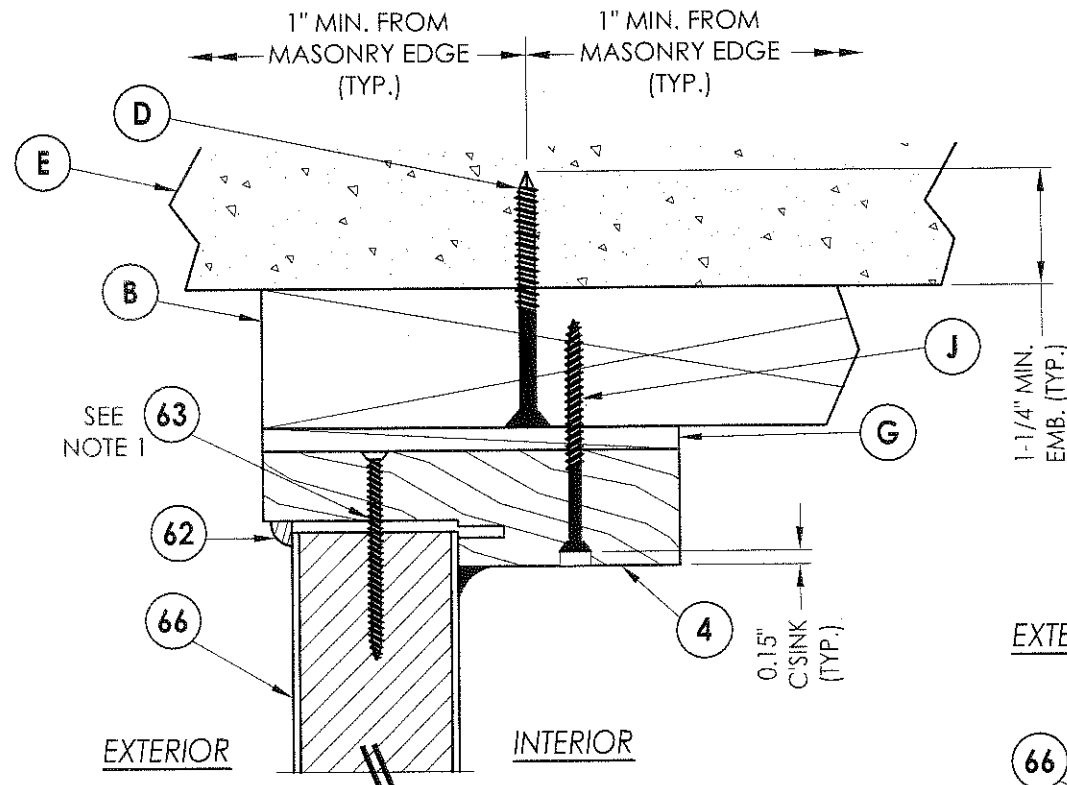
Documents Prepared By: **RW BUILDING CONSULTANTS, INC.**
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
Wendell W. Hapey 5-1-08
 Wendell W. Hapey, P.E. No. 54158

PRODUCT: TRINITY GLASS INT'L PREMIUM LIPLITE FIBERGLASS
 PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

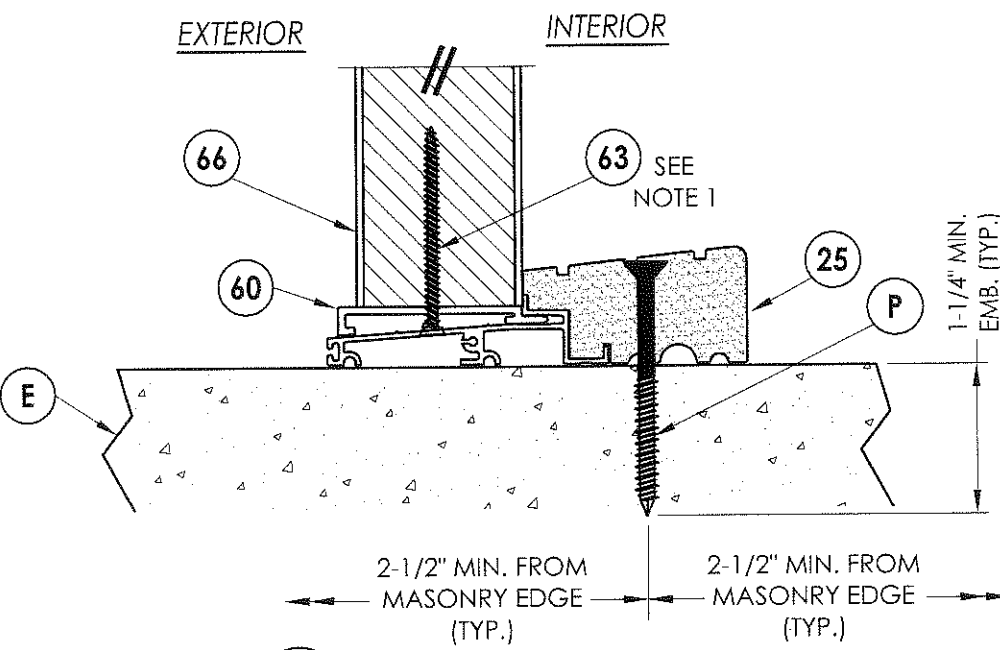
NO.	DATE	BY	REVISIONS

DATE: 5/09/08
 SCALE: N.T.S.
 DWG. BY: YV
 CHK. BY: WWH
 DRAWING NO.: FL-11165.4
 SHEET 5 of 10

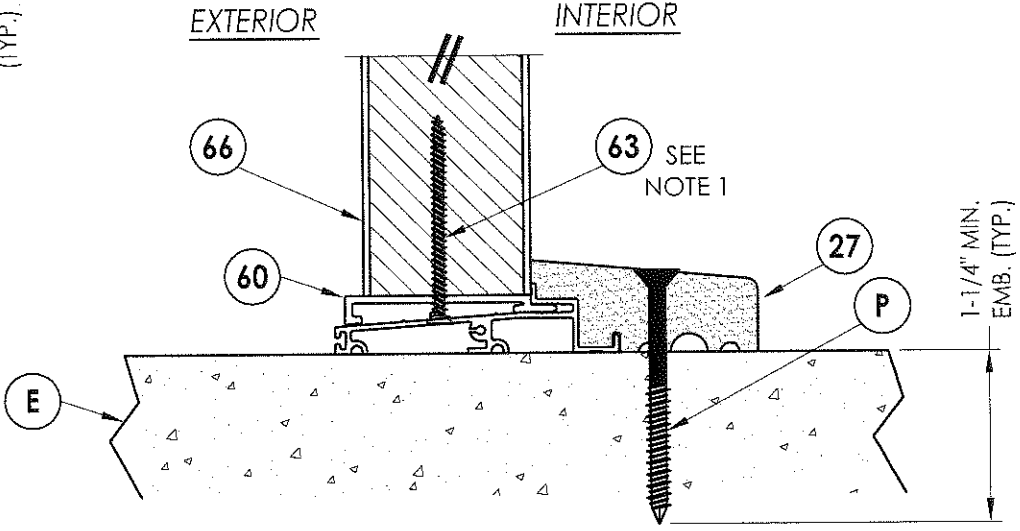
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1
6 VERTICAL CROSS SECTION

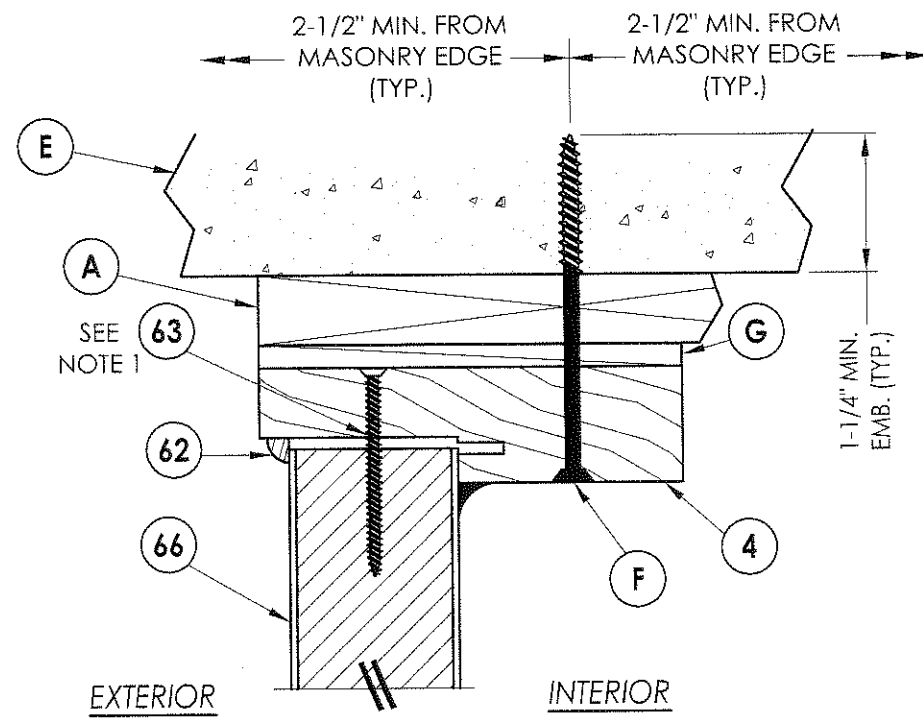


3
6 VERTICAL CROSS SECTION
Outswing sill - high dam

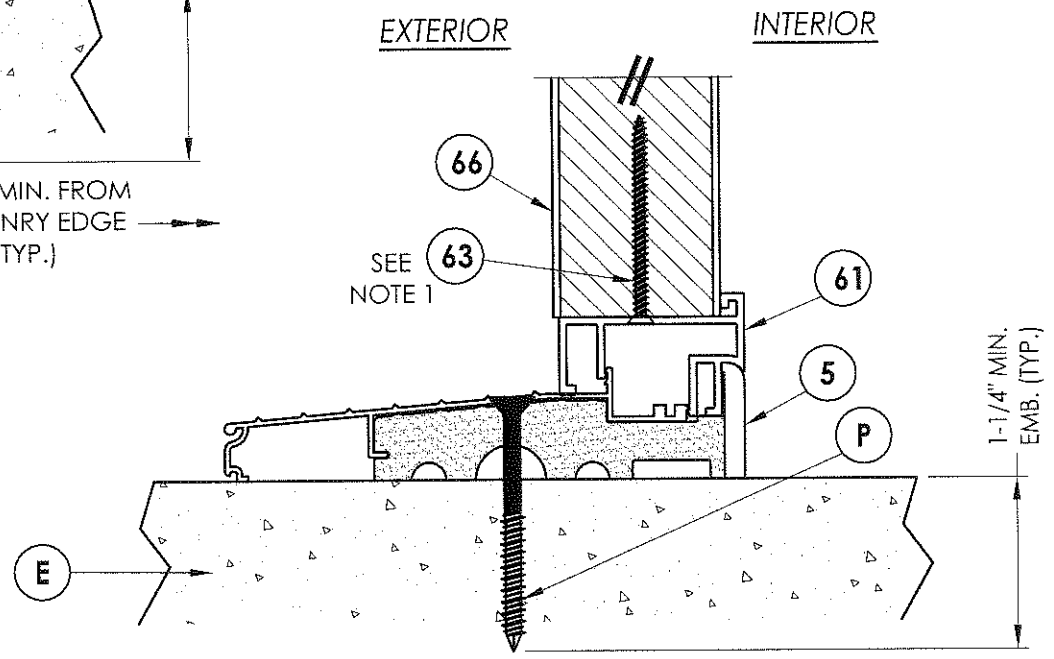


4
6 VERTICAL CROSS SECTION
Outswing sill

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



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

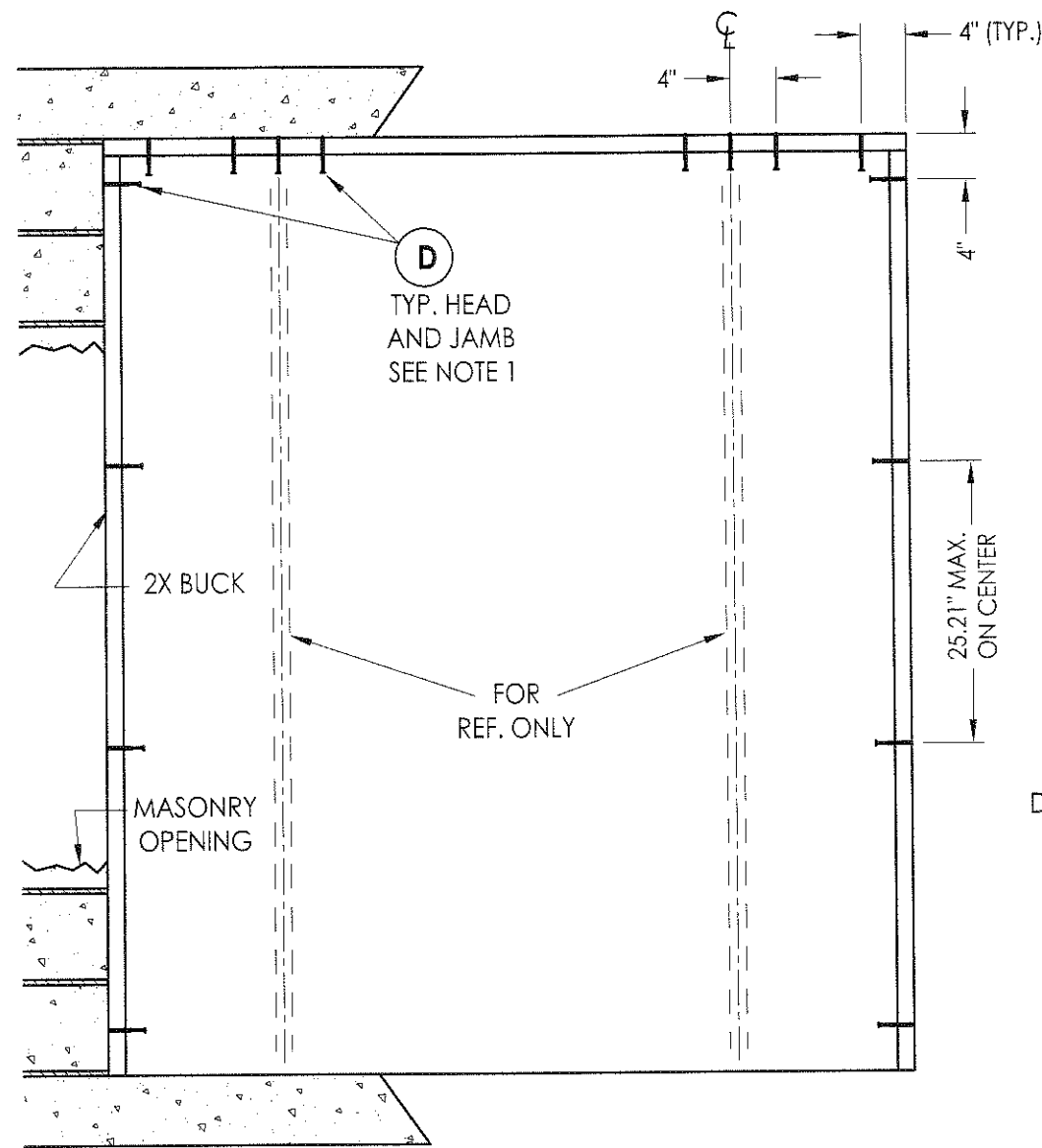
Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Harvey 5-1-08
Wendell W. Harvey, P.E. No. 54158

PRODUCT: TRINITY GLASS INT'L PREMIUM LIPLITE FIBERGLASS
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

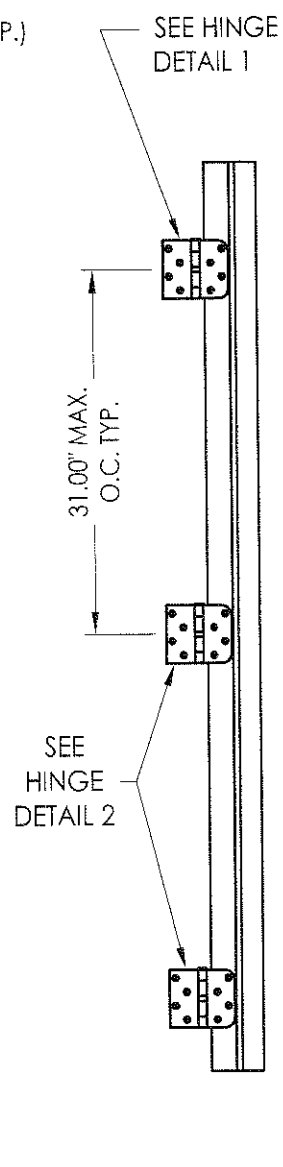
NO.	DATE	BY	REVISIONS

DATE: 5/09/08
SCALE: N.T.S.
DWG. BY: YV
CHK. BY: WWH
DRAWING NO.: FL-11165.4
SHEET 6 OF 10

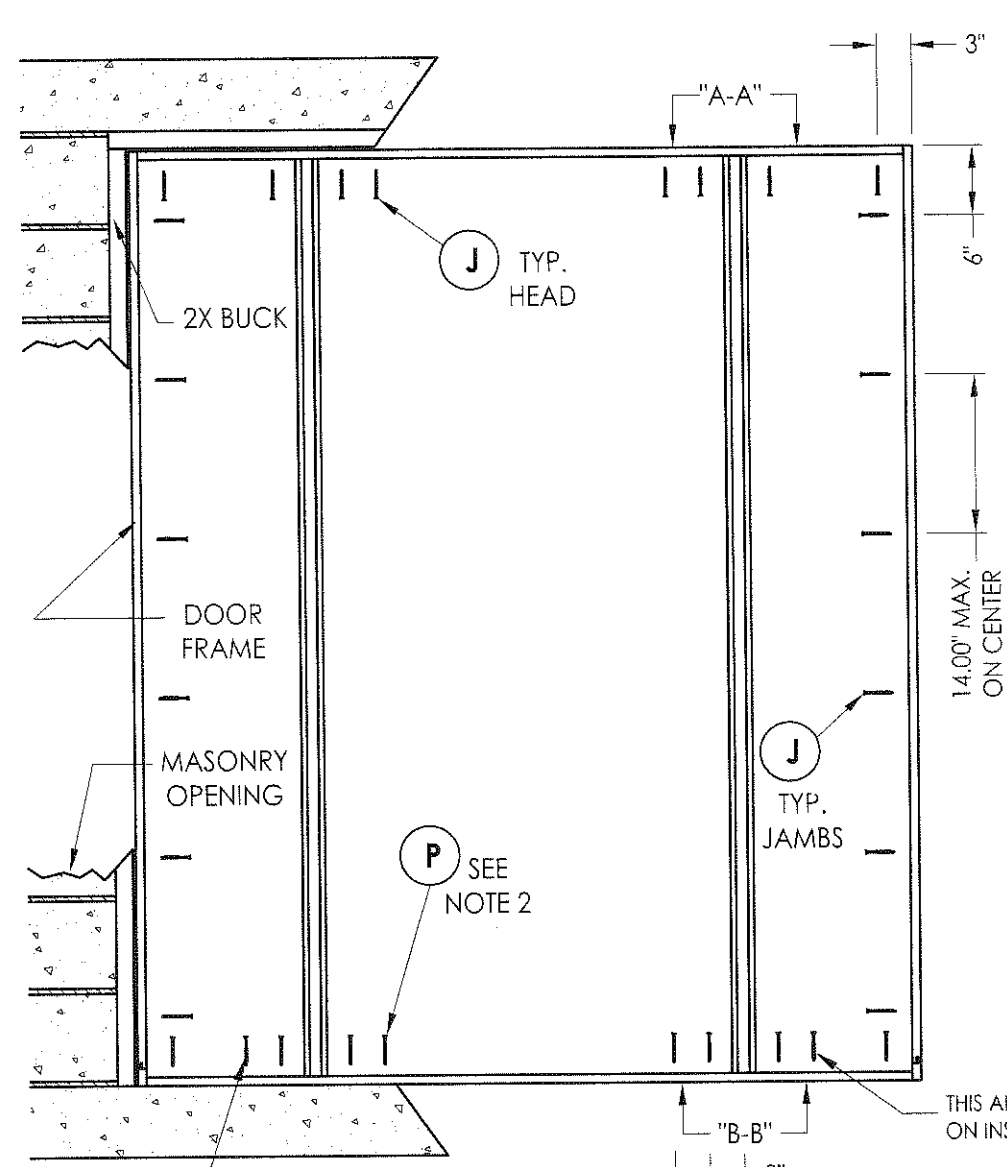
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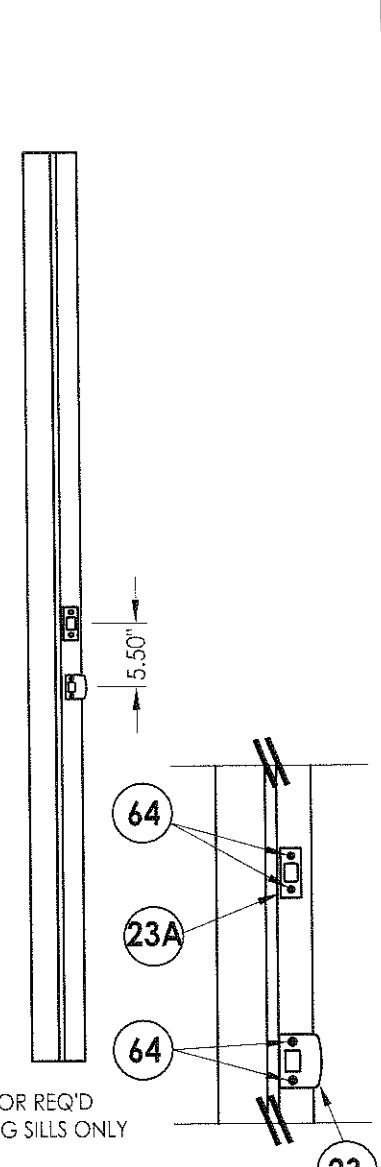
BUCK ANCHORING



HINGE MULLION



FRAME ANCHORING
Masonry 2X buck construction

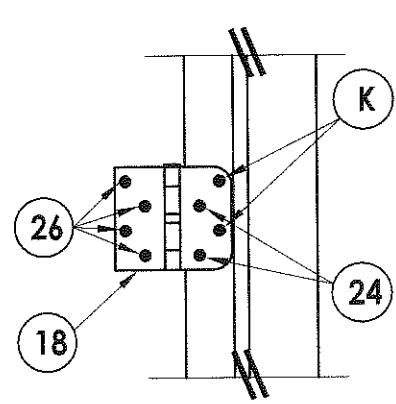


STRIKE MULLION

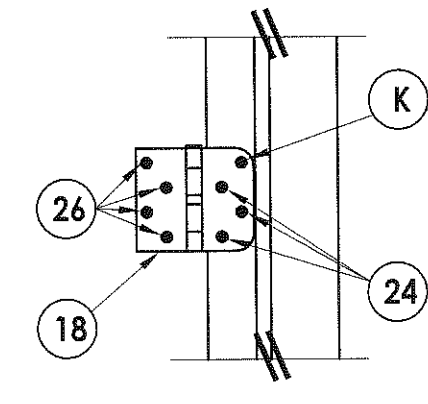
STRIKE PLATE DETAIL

THIS ANCHOR REQ'D ON INSWING SILLS ONLY

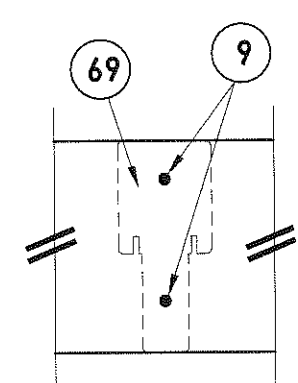
THIS ANCHOR REQ'D ON INSWING SILLS ONLY



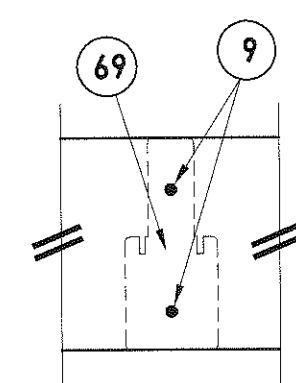
HINGE DETAIL 1



HINGE DETAIL 2



VIEW A-A



VIEW B-B

NOTES:

- 1/4" Elco Concrete screws anchoring 2x buck require a minimum 1" clearance to masonry edges, a 1-1/4" minimum embedment and a minimum 4" clearance to adjacent concrete screws. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Concrete screw locations at the corners and mullions may be adjusted to maintain the minimum edge distance to mortar joints. If concrete screw locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
- 1/4" ITW concrete screws anchoring frame and/or sill require a minimum 2-1/2" clearance to masonry edges, a 1-1/4" minimum embedment and a minimum 3" clearance to adjacent concrete screws. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Concrete screw locations at the corners and mullions may be adjusted to maintain the minimum edge distance to mortar joints. If concrete screw locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional Concrete screws may be required to ensure the maximum on center dimension is not exceeded.

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RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
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 Wendell W. Hogney, P.E. No. 54158

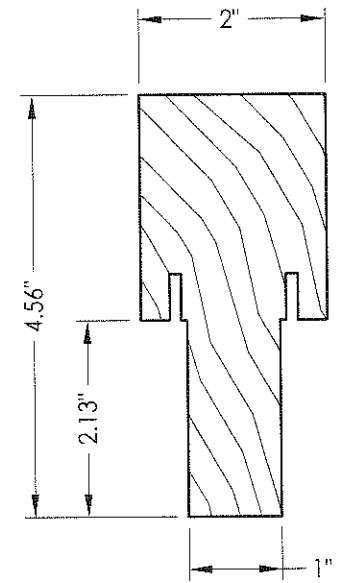
PRODUCT: TRINITY GLASS INT'L PREMIUM LIPLITE FIBERGLASS
 PART OR ASSEMBLY: BUCK AND FRAME ANCHORING 2X BUCK MASONRY CONSTRUCTION

NO.	DATE	BY	REVISIONS

DATE: 5/09/08
 SCALE: N.T.S.
 DWG. BY: YV
 CHK. BY: WWH
 DRAWING NO.: FL-11165.4
 SHEET 7 OF 10

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BILL OF MATERIALS			BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD	39	FIBERGLASS SKIN 0.079" MIN. THICKNESS (Fy = 5,203 PSI MIN.)	FIBERGLASS
B	2X BUCK SG >= 0.55	WOOD	40	#8 X 1-1/8" SELF THREADING SCREW	STEEL
D	1/4" X 2-3/4" ELCO PFH CONCRETE SCREW	STEEL	42	ALUMINUM & BUTYL SPACER SYSTEM	ALUM./BUTYL
E	MASONRY - 3,192 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	44	HOT MELT SEALANT / SILICONE	-
F	1/4" X 3-3/4" ITW PFH CONCRETE SCREW	STEEL	45	LITE FRAME	PC/ASA
G	MAX. 1/4" SHIM SPACE	WOOD	46	FOAM CORE	POLYURETHANE
J	#10 X 2-1/2" PFH WS	STEEL	60	SIDELITE SPACER - OUTSWING	PVC
K	#9 X 2" PFH WS	STEEL	61	SIDELITE SPACER - INSWING	PVC
P	1/4" X 2-3/4" ITW PFH CONCRETE SCREW	STEEL	62	QUARTER ROUND	WOOD
1	SIDELITE JAMB - FINGER-JOINT PINE - SG >= 0.42	WOOD	63	#8 X 2-1/4" PFH SCREW	STEEL
4	HEAD - FINGER-JOINT PINE - SG >= 0.42	WOOD	64	#8 X 2" PFH SCREW	STEEL
5	INSWING THRESHOLD ALUMINUM W/ COMPOSITE SUBSTRATE	ALUMINUM	66	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
6	DOOR BOTTOM SWEEP	PVC	67	INTEGRAL MULLION - FINGER JOINT PINE (SG >= 0.42)	WOOD
7	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-	69	MULLION BASE KIT	PC/ASA
8	#6 X 1-1/4" PFH DRYWALL SCREW	STEEL	73	LVL SIDELITE TOP RAIL (FULL LITE)	POPLAR
9	#9 X 2-1/4" PFH WOOD SCREW	STEEL	74	LVL SIDELITE BOTTOM RAIL (FULL LITE)	POPLAR
12	WEATHER STRIP QEBD650 Q-LON	-	75	LVL SIDELITE STILE (FULL LITE)	POPLAR
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 SCREW	STEEL			
25	OUTSWING HIGH-DAM THRESHOLD ALUMINUM W/ COMPOSITE SUBSTRATE	ALUM./ COMP.			
26	#9 X 1" PFH SCREW	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			



67 INTEGRAL MULLION

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. Haney, P.E. No. 54158

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

NO.	DATE	BY	REVISIONS

DATE: 5/09/08
SCALE: N.T.S.
DWG. BY: YV
CHK. BY: WWH
DRAWING NO.: FL-11165.4
SHEET 10 OF 10

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