



plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

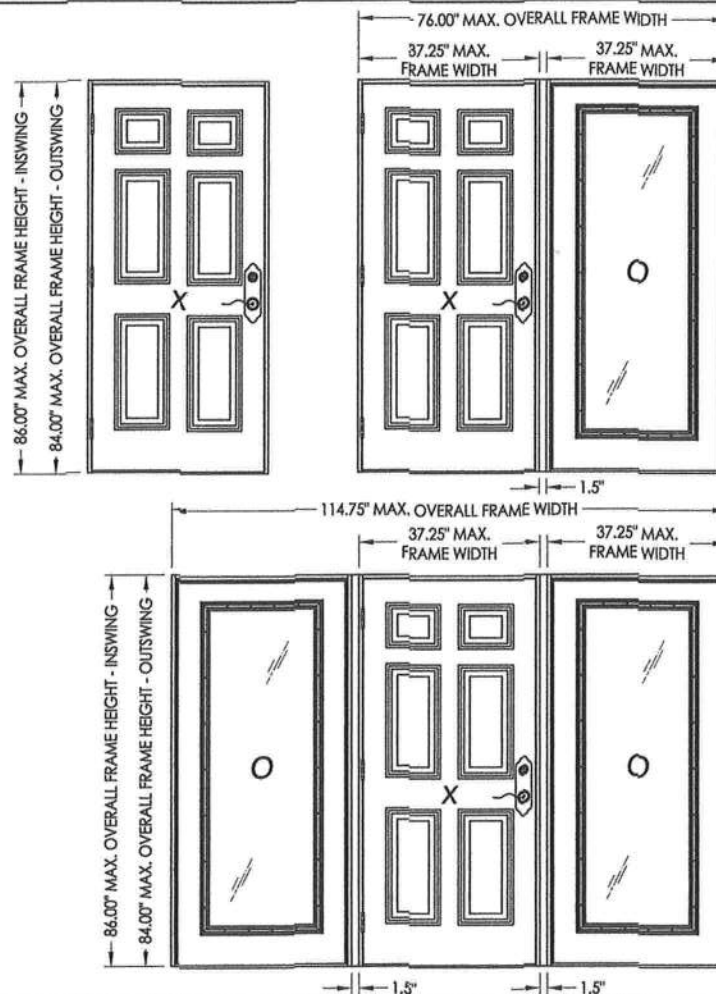
OPAQUE FIBERGLASS SINGLE DOOR w/ or w/out SIDELITES INSWING / OUTSWING "NON-IMPACT"

GENERAL NOTES

- This product has been evaluated and is in compliance with the 6th Edition (2017) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 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.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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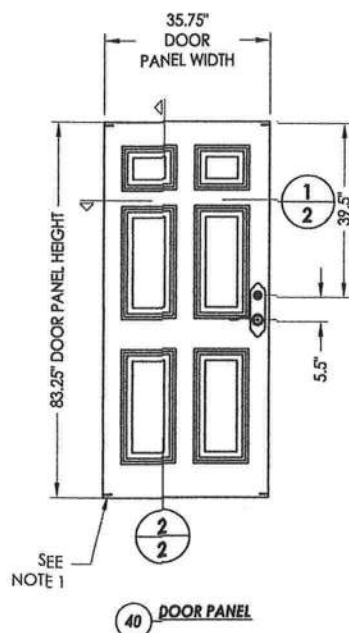
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Sidelite panel details
4	Horizontal cross sections
5	Horizontal cross sections
6	Vertical cross sections
7	Vertical cross sections
8	Buck & frame anchoring (X)
9	Buck & frame anchoring (OX / XO)
10	Buck & frame anchoring (OXO)
11	Components
12	Bill of materials & glazing detail



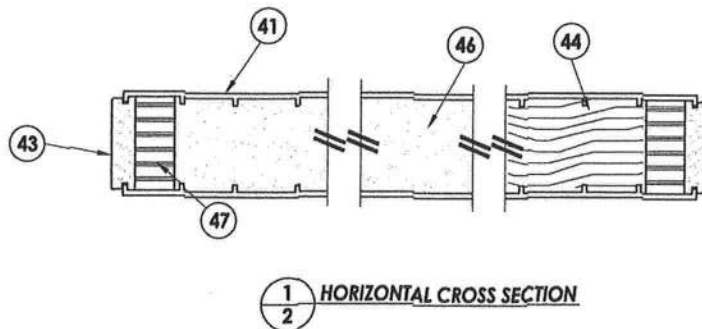
CONFIGURATION	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF)		DESIGN PRESSURE (PSF)	
			INSWING		OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.25" x 86.00"	21.00" x 62.50"	+55.0	-60.0	+55.0	-55.0
OX / XO	76.00" x 86.00"	21.00" x 62.50"	+45.0	-45.0	+45.0	-45.0
OXO	114.75" x 86.00"	21.00" x 62.50"	+45.0	-45.0	+45.0	-45.0



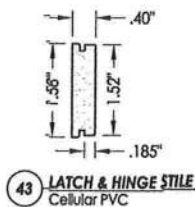
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PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES	
NO.	DATE
3	08/02/17
2	3/10/16
1	04/22/15
REVISIONS	
DATE: 8/25/14	
SCALE: N.T.S.	
DWG. BY: AL	
CHK. BY: LFS	
DRAWING NO.: FL-17184.13	
SHEET 1 OF 12	



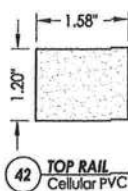
NOTE 1:
1. #8 x 2\"/>



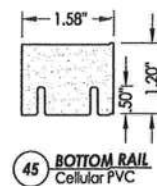
1
2 HORIZONTAL CROSS SECTION



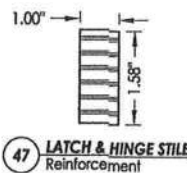
43 LATCH & HINGE STILE
Cellular PVC



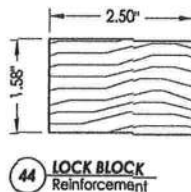
42 TOP RAIL
Cellular PVC



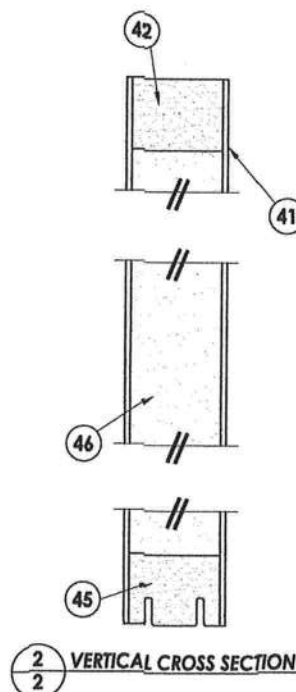
45 BOTTOM RAIL
Cellular PVC



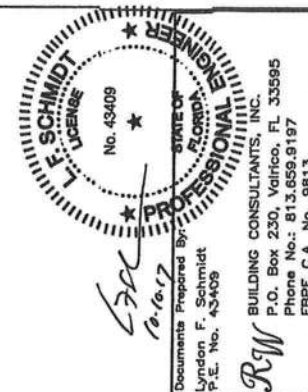
47 LATCH & HINGE STILE
Reinforcement



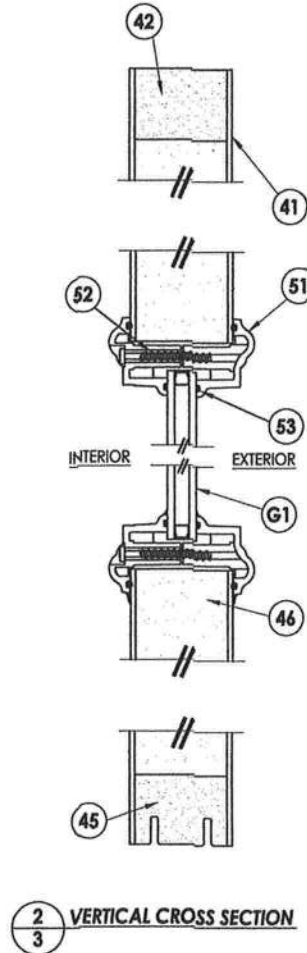
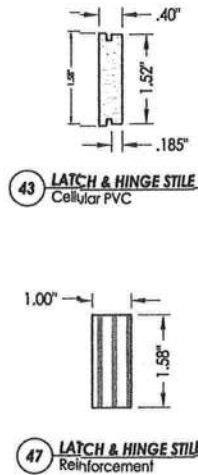
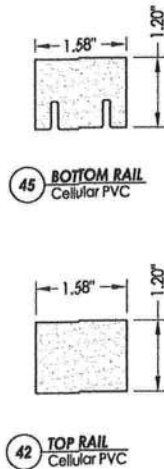
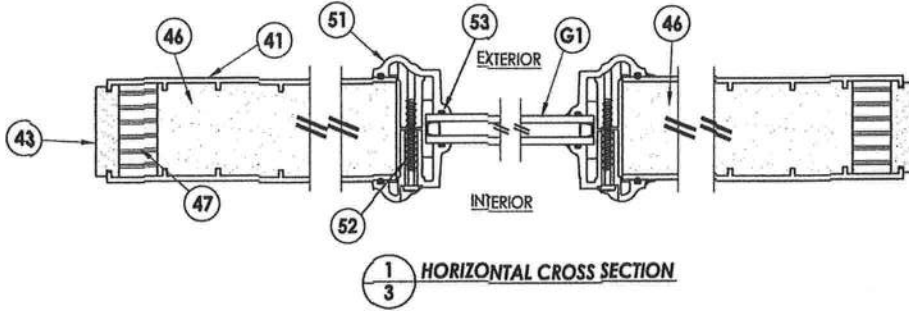
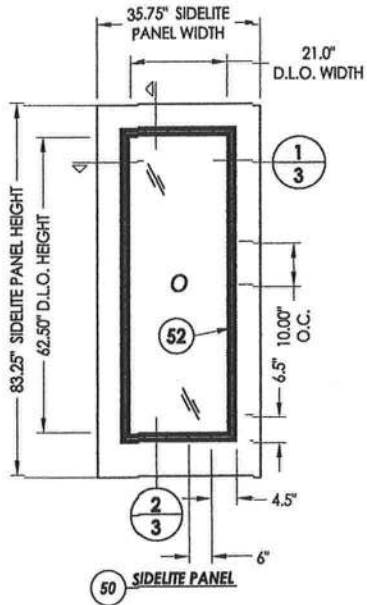
44 LOCK BLOCK
Reinforcement



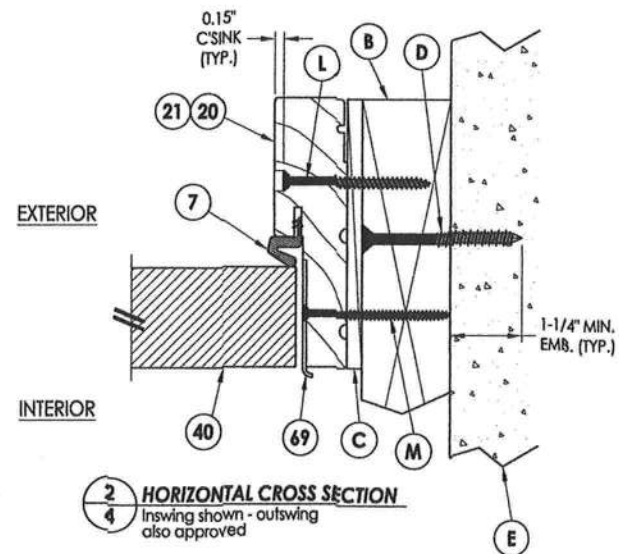
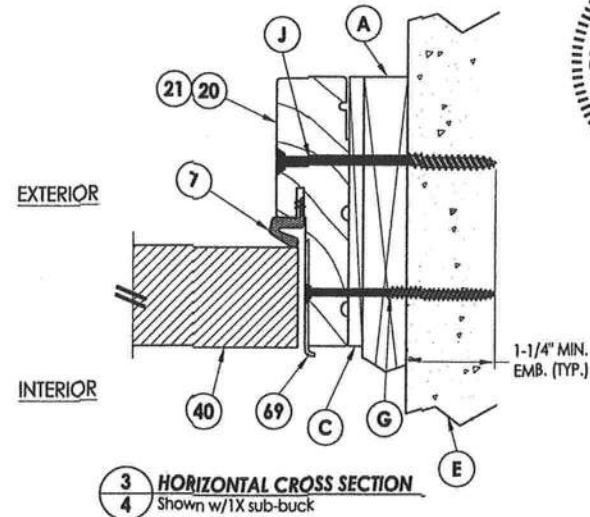
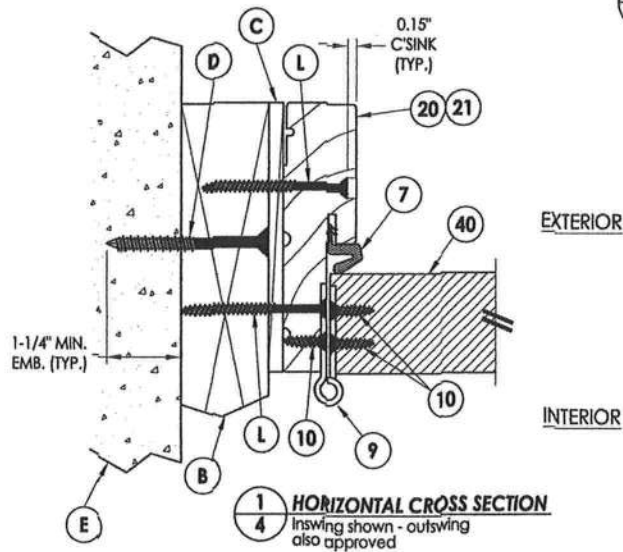
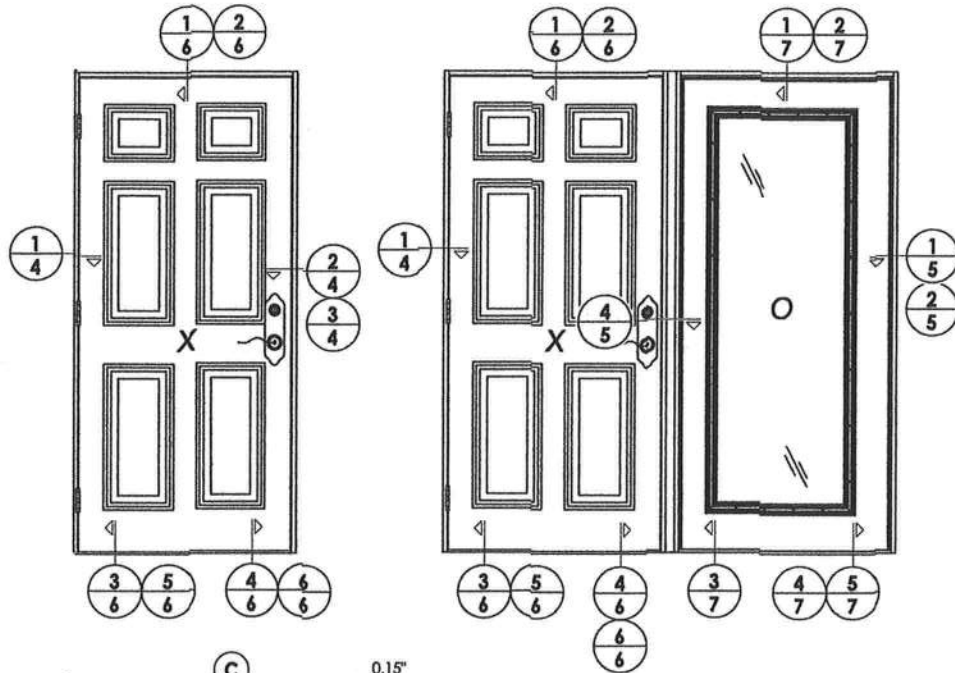
2
2 VERTICAL CROSS SECTION



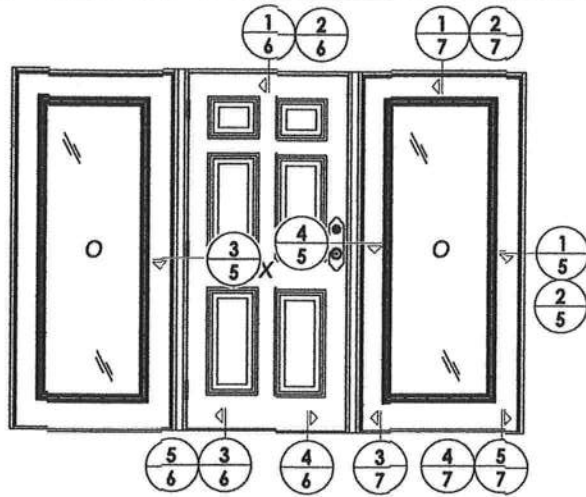
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DATE:	8/25/14	NO.	DATE
SCALE:	N.T.S.	BY	
DWG. BY:	AL	CHK. BY:	LFS
DRAWING NO.:	FL-17184.13		
SHEET	2 of 12		



PRODUCT: PLASTPRO FIBERGLASS DOOR		PART OR ASSEMBLY: SIDELITE PANEL DETAILS	
DATE: 8/25/14	SCALE: N.T.S.	NO.	DATE
3 08/02/17 UPDATE TO 6TH ED. (2017) FBC	JK	1	JK
2 3/10/16 ADDED ADA O.S. BUMP THRESHOLD	JK	2	JK
1 04/22/15 UPDATE TO 5TH ED. (2014) FBC	JK	3	BY
REVISIONS			
DRAWING NO.: FL-17184.13			
SHEET 3 OF 12			

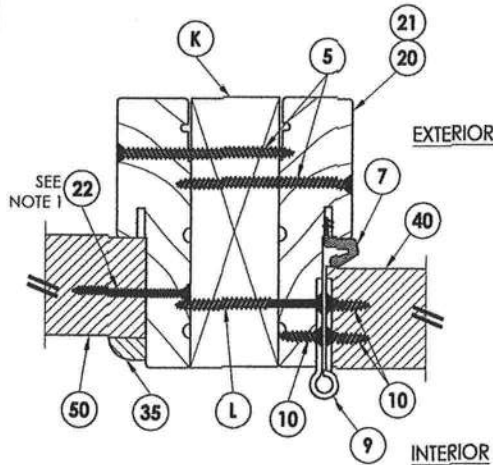


PRODUCT:		PLASTRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
DATE:	8/25/14	NO.	DATE
SCALE:	N.T.S.	BY	
DWG. BY:	AL	DATE	
CHK. BY:	LFS	DATE	
DRAWING NO.:	FL-17184.13	DATE	
SHEET	4	OF	12

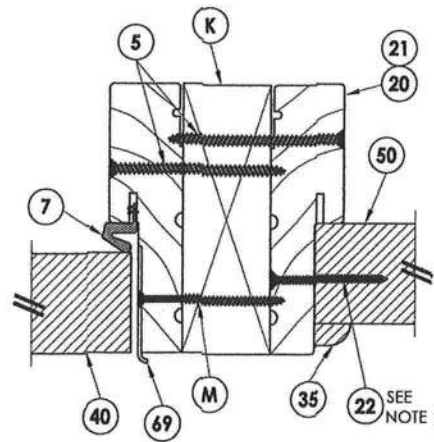


NOTE:

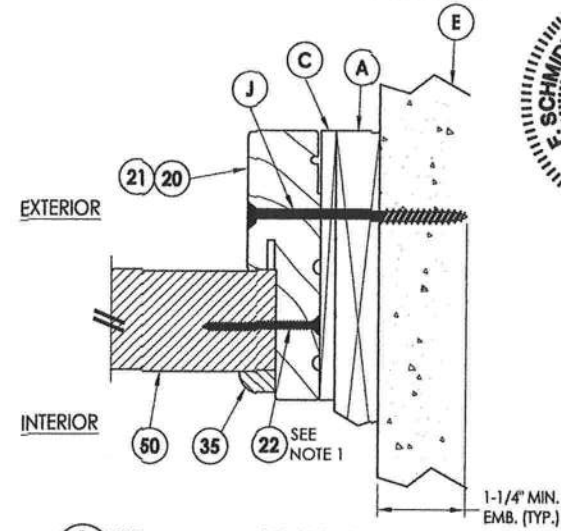
1. Sidelite screws (item #22) located at 3", 6", 16", 27", 38", 49", 60", 70" and 80" from bottom of panel.



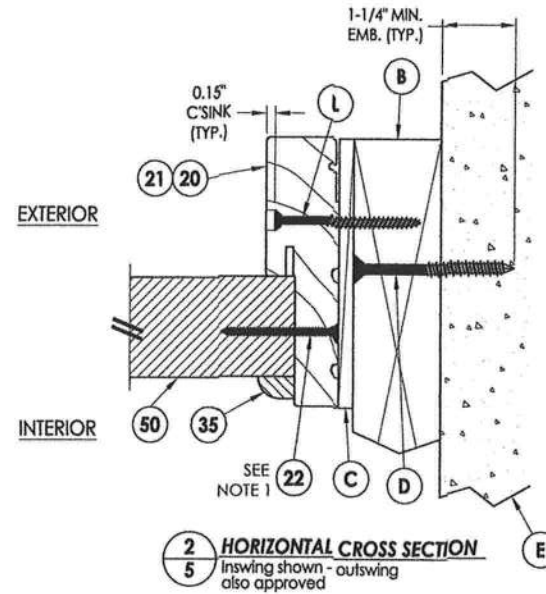
3
5 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing
also approved



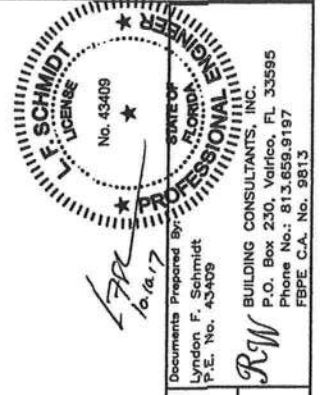
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5 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing
also approved



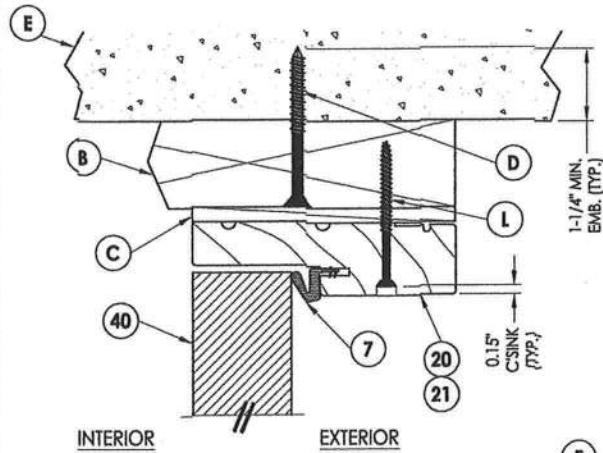
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5 **HORIZONTAL CROSS SECTION**
Shown w/1X sub-buck



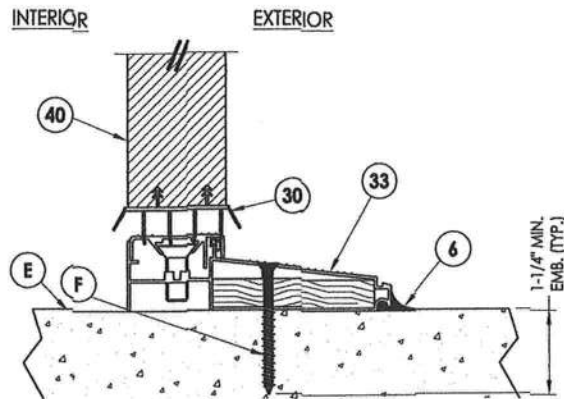
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5 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing
also approved



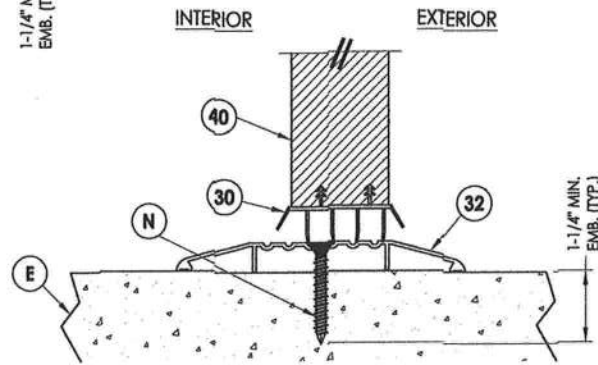
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PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
DATE:	8/25/14	NO.	DATE
SCALE:	N.T.S.	BY	
DWG. BY:	AL	REVISIONS	
CHK. BY:	LFS		
DRAWING NO.:	FL-17184.13		
SHEET	5	OF	12



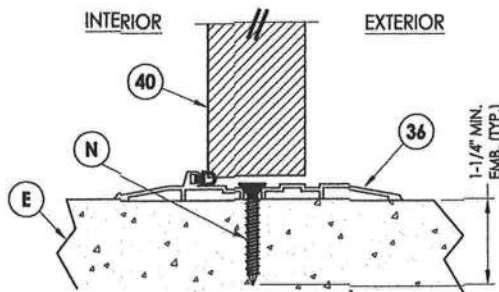
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6 **VERTICAL CROSS SECTION**
Inswing shown - outswing
also approved



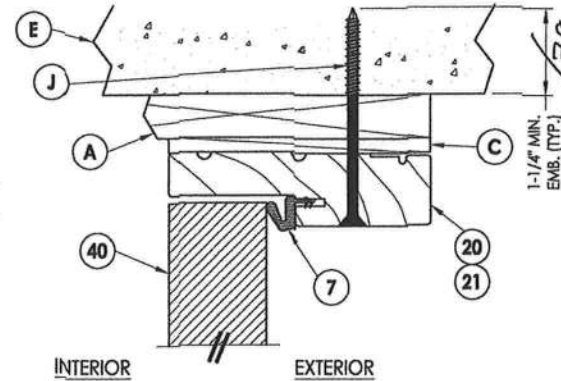
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6 **VERTICAL CROSS SECTION**
Inswing configuration



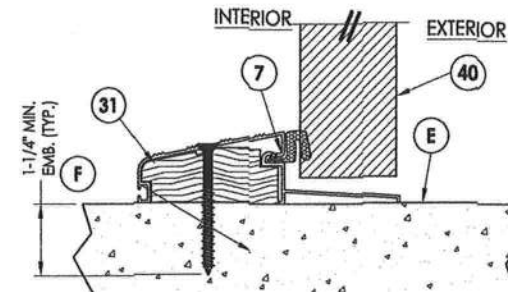
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6 **VERTICAL CROSS SECTION**
Shown w/ ADA threshold



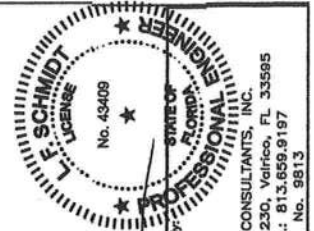
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6 **VERTICAL CROSS SECTION**
Shown w/ O.S. ADA bump threshold



2
6 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck



4
6 **VERTICAL CROSS SECTION**
Outswing configuration

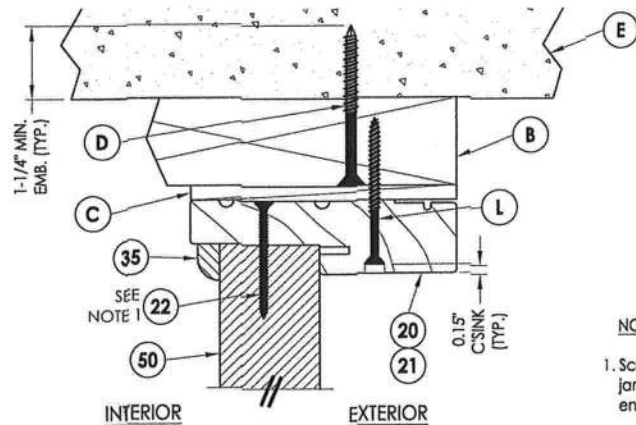


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT: PLASTIPRO
FIBERGLASS DOOR
PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

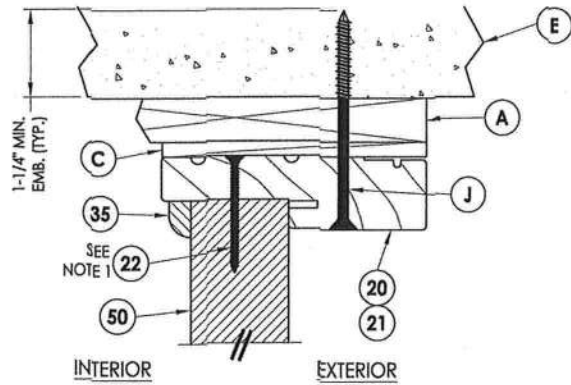
NO.	DATE	BY
3	08/02/17	JK
2	3/10/16	JK
1	04/22/15	JK

DATE: 8/25/14
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-17184.13
SHEET 6 OF 12

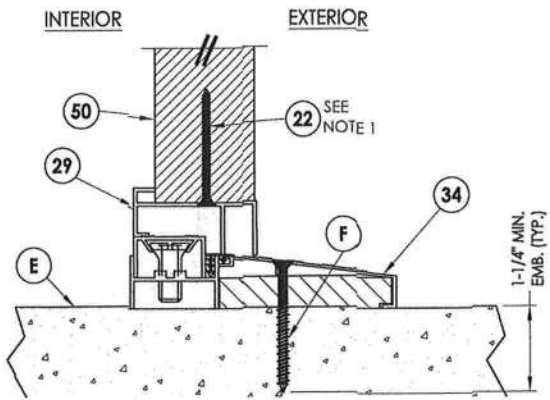


1
7 **VERTICAL CROSS SECTION**
Inswing shown - outswing
also approved

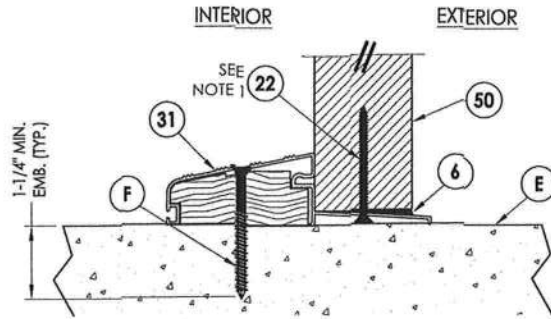
NOTE:
1. Screws thru head and sill
jamb located 3\" from each
end and O.C. (TYP.) line.



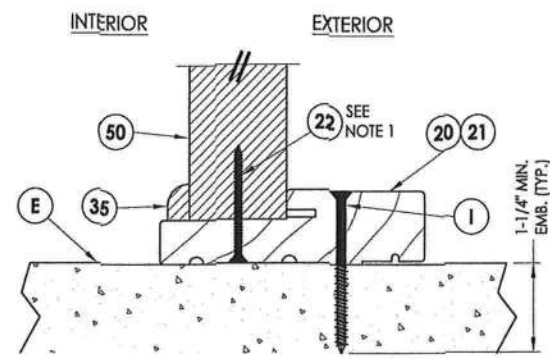
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7 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck



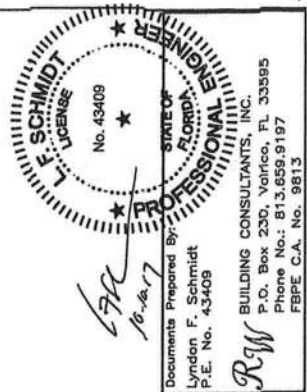
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7 **VERTICAL CROSS SECTION**
Inswing configuration



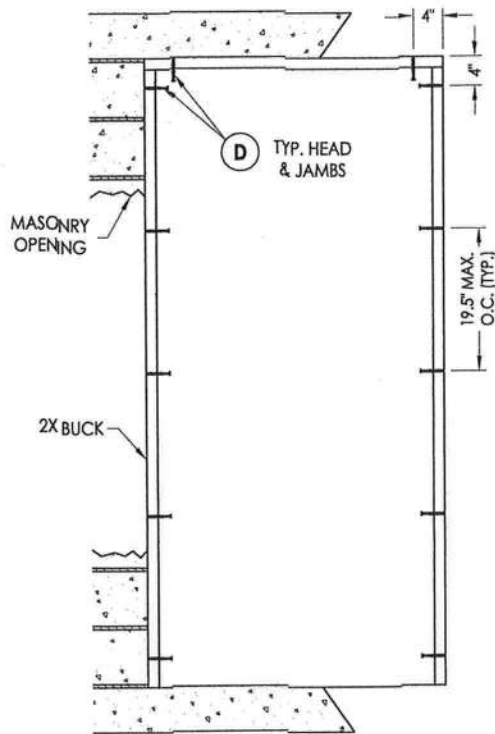
4
7 **VERTICAL CROSS SECTION**
Outswing configuration



5
7 **VERTICAL CROSS SECTION**
Outswing configuration



Documents Prepared By:		Lyndon F. Schmidt		P.E. No. 43409	
PRODUCT:		PLASTPRO		FIBERGLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS			
DATE		BY		REVISIONS	
3 08/02/17		UPDATE TO 6TH ED. (2017) FBC		JK	
2 3/10/16		ADDED ADA O.S. BUMP THRESHOLD		JK	
1 04/22/15		UPDATE TO 5TH ED. (2014) FBC		JK	
NO. 1		DATE			
DATE: 8/25/14		SCALE: N.T.S.		DWG. BY: AL	
CHK. BY: LFS		DRAWING NO.: FL-17184.13		SHEET 7 of 12	



BUCK ANCHORING

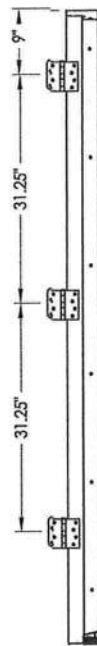
CONCRETE ANCHOR NOTES:

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:

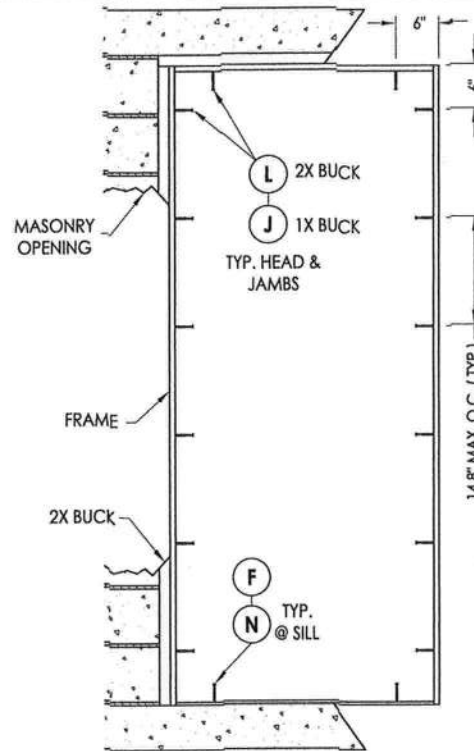
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAFCON®	1/4"	1-1/4"	2"	4"
EICO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAFCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

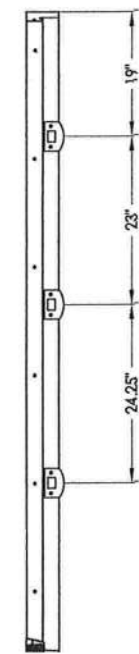
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



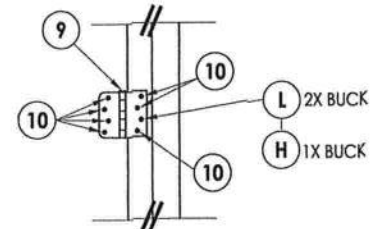
HINGE JAMB



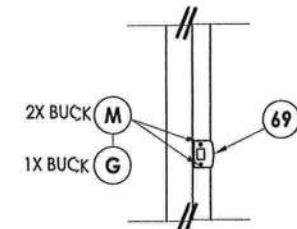
FRAME ANCHORING
Masonry construction



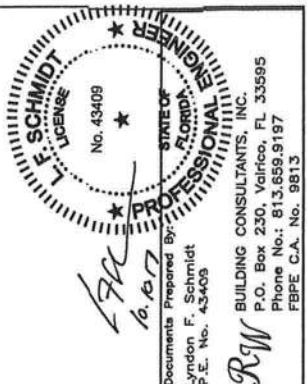
STRIKE JAMB



HINGE DETAIL



LATCH DETAIL



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

STATE OF FLORIDA
PROFESSIONAL ENGINEER

DATE: 8/25/14
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-17184.13
SHEET 8 OF 12

PRODUCT: PLASPRO FIBROGLASS DOOR

PART OR ASSEMBLY: BUCK AND FRAME ANCHORING (X)

REVISIONS

NO.	DATE	BY	DESCRIPTION
3	08/02/17	JK	UPDATE TO 6TH ED. (2017) FBC
2	3/10/16	JK	ADDED ADA O.S. BUMP THRESHOLD
1	04/22/15	JK	UPDATE TO 5TH ED. (2014) FBC

Diagram illustrating the elevation view of a window frame assembly. Key components and dimensions include:

- Dimensions:**
 - Top horizontal dimensions: 3" and 6".
 - Right vertical dimension: 14'8" MAX O.C. (TYP.)
 - Internal vertical dimension: 12.5" O.C. (TYP.)
- Components and Labels:**
 - L 2X BUCK**: Label for the upper left buck.
 - J 1X BUCK**: Label for the lower left buck.
 - TYP. HEAD & JAMBS**: Label for the typical head and jamb components.
 - 5 TYP.**: Label for a typical component, likely a nail or screw.
 - F**: Label for a fastener or component on the left side.
 - N TYP. @ SILL**: Label for a typical component at the sill.
 - I TYP. @ SILL**: Label for a typical component at the sill.
 - MASONRY OPENING**: Label for the opening in the masonry.
 - FRAME**: Label for the window frame.
 - 2X BUCK**: Label for the buck on the left side.

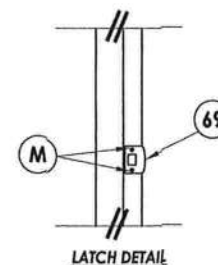
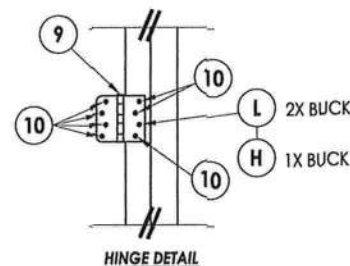

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBI/C

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
(OX/XO)

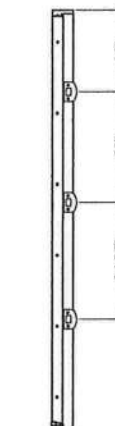
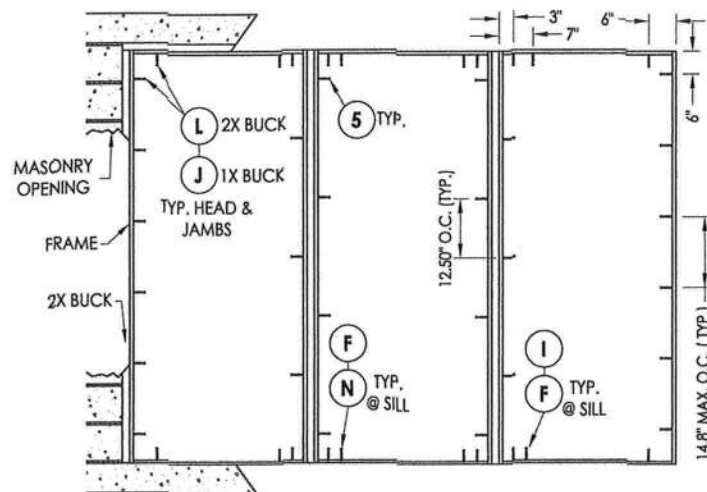
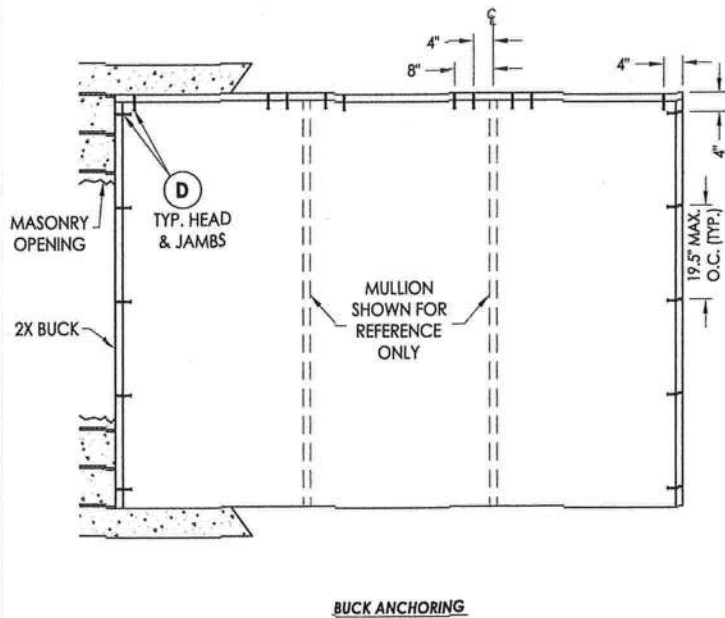
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. 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 TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

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



DATE:	B/25/14
SCALE:	N.T.S.
DWG. BY:	AL
CHK. BY:	LFS
DRAWING NO.:	FL-17184,13
SHEET	9 of 12



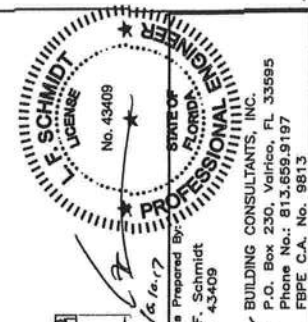
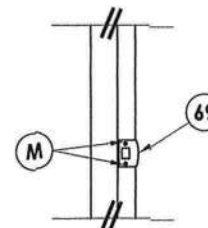
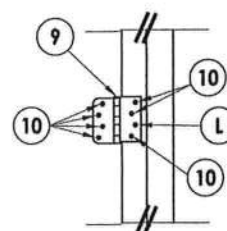
CONCRETE ANCHOR NOTES:

- 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.
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ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRA CON®	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.

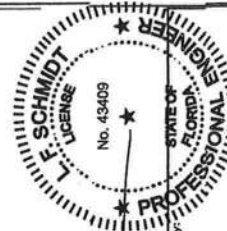
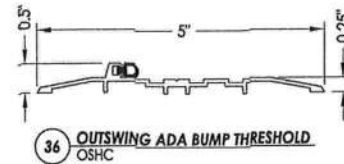
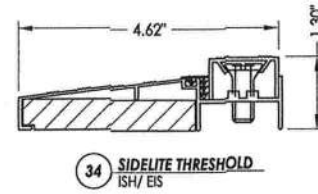
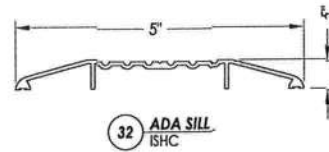
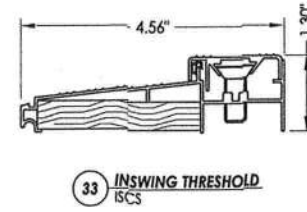
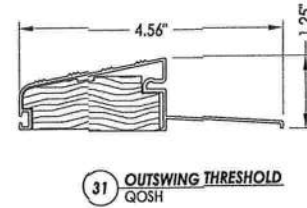
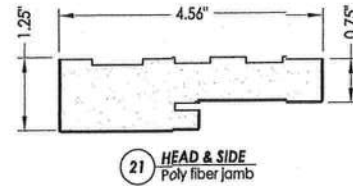
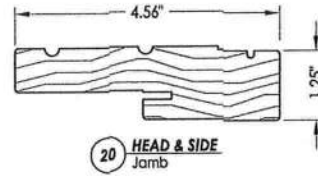
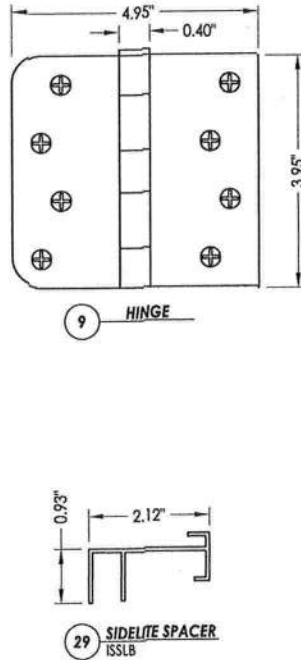
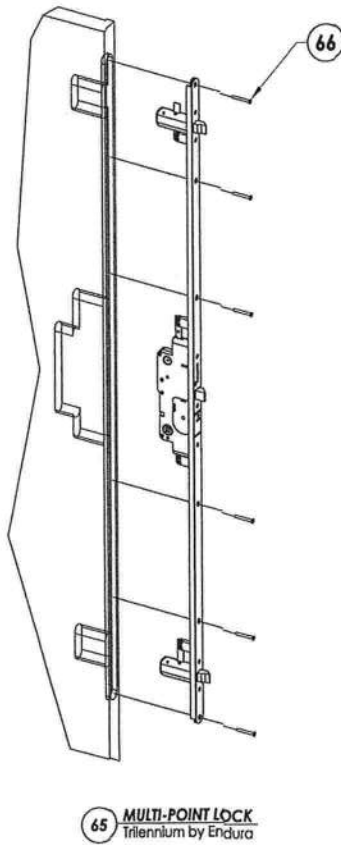


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT: PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY: BUCK & FRAME ANCHORING (OXO)

NO.	DATE	REVISIONS
3	08/02/17	UPDATE TO 6TH ED. (2017) FBC
2	3/10/15	ADDED ADA O.S. BUMP THRESHOLD
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 8/25/14
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-17184.13
SHEET 10 OF 12



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R.W.
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.658.9197
FBPE C.A. No. 9813

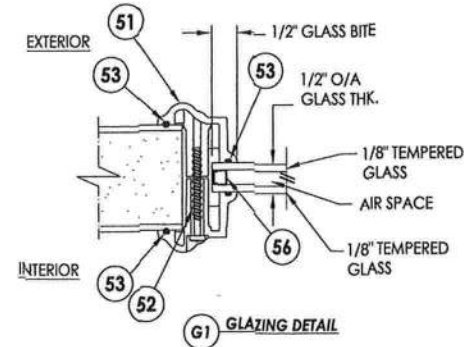
PRODUCT: PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY: COMPONENTS

NO.	DATE	BY	REVISIONS
3	08/02/17	JK	UPDATE TO 6TH ED. (2017) FBC
2	3/10/16	JK	ADDED ADA O.S. BUMP THRESHOLD
1	04/22/15	JK	UPDATE TO 5TH ED. (2014) FBC

DATE: 8/25/14
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-17184.13
SHEET 11 OF 12

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 ELCO 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 2-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" X 3-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
I	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
K	2X REINFORCEMENT (CLEAR PINE SG >= 0.42)	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	#8 X 2-1/2" PFH WOOD SCREW	STEEL
N	1/4" X 1-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
5	#10 X 3" PFH SCREW	STEEL
6	SEALANT	SILICONE
7	WEATHERSTRIP BY Q-LON	FOAM
9	4" HINGE	STEEL
10	#9 X 3/4" PFH WOOD SCREW	STEEL
20	JAMB FINGER - JOINT - PINE (SG >= 0.42)	WOOD
21	POLY FIBER JAMB	POLY FIBER
22	#7 X 2" PFH DRYWALL SCREW	STEEL
29	SIDELITE SPACER (ISSLB)	PVC
30	DOOR SWEEP	ALUM.
31	OUTSWING THRESHOLD BY DLP (QOSH)	ALUM. / WOOD
32	ADA THRESHOLD BY DLP (ISHC)	ALUM. / WOOD
33	INSWING THRESHOLD BY DLP (ISCS)	ALUM. / WOOD
34	SIDELITE THRESHOLD BY DLP (ISH/ EIS)	ALUM. / WOOD
35	TRIM	WOOD
36	OUTSWING ADA BUMP THRESHOLD	ALUMINUM
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
41	DOOR SKIN (MIN. 0.075" THICK) PLAST-PRO/NANYA Fy = 11,043 PSI MIN.	FIBERGLASS
42	TOP RAIL	CELLULAR PVC
43	LATCH & HINGE STILE	CELLULAR PVC
44	LOCK BLOCK (SG >= 0.42)	WOOD
45	BOTTOM RAIL	CELLULAR PVC
46	FOAM CORE	POLYURETHANE
47	LATCH & HINGE STILE REINFORCEMENT	LVL
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
51	ODLITE FRAME	PVC
52	#10 X 1-3/4" PFH SCREW	STEEL
53	GLAZING COMPOUND BY Q'SO	P/MERIC FOAM
56	GLAZING SPACER	ALUMINUM
65	MULTI-POINT LOCK ASSEMBLY TRILENNIUM BY ENDURA	-
66	#10 X 1-1/2" PFH SCREW	ALUMINUM
69	MULTI-POINT STRIKE PLATE	ALUMINUM



Documents Prepared By:
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PRODUCT:
PLASTRO
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& GLAZING DETAIL

NO.	DATE	REVISIONS
3	08/02/17	UPDATE TO 6TH ED. (2017) FBC
2	13/10/16	ADDED ADA O.S. BUMP THRESHOLD
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

DRAWING NO.:

FL-17184.13

SHEET 12 OF 12