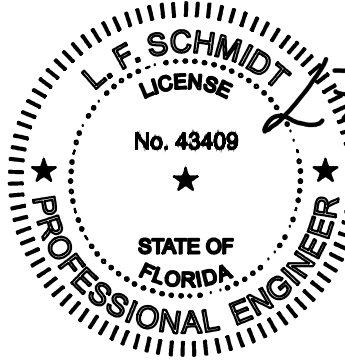




5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045



Digitally signed
by Lyndon F
Schmidt
Date: 2023.08.23
12:50:47 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

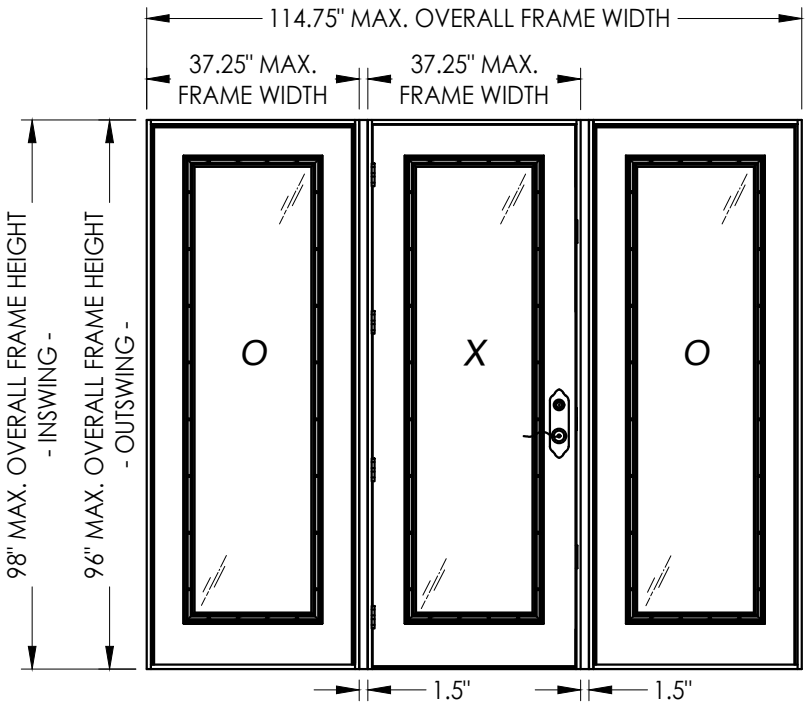
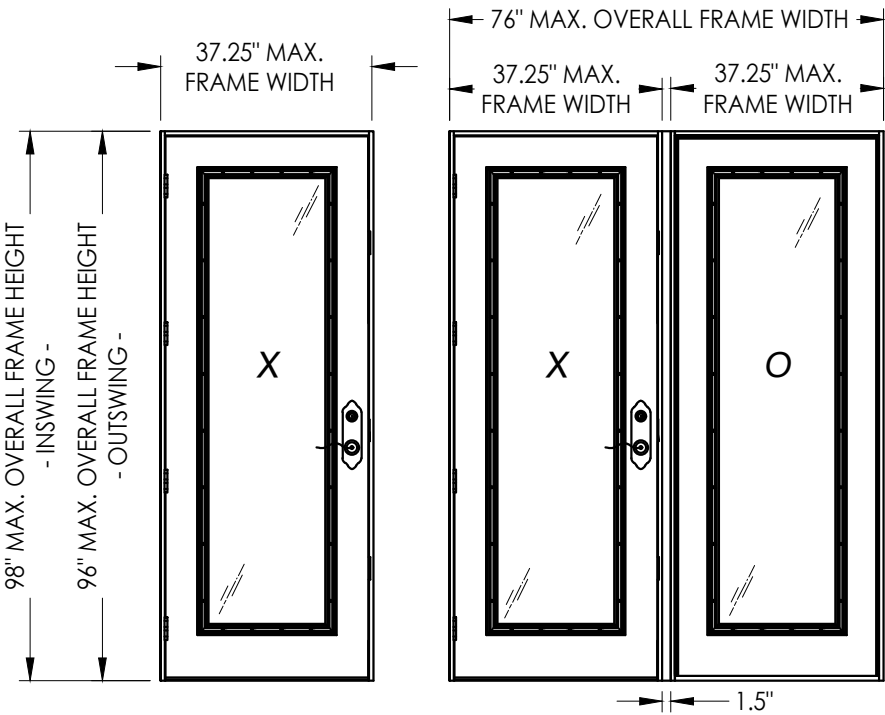
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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	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	Multi-point lock details & components
12	Bill of materials & glazing details



CONFIGURATION	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.25" x 98.0"	21.0" x 79.0"	+45.0	-45.0	+45.0	-45.0
OX / XO	76.0" x 98.0"	21.0" x 79.0"	+45.0	-45.0	+45.0	-45.0
OXO	114.75" x 98.0"	21.0" x 79.0"	+45.0	-45.0	+45.0	-45.0

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

PLASTPRO INC.
FIBERGLASS DOOR

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

LFS
DAC
JK
JK
JK
BY

UPDATE TO 8TH ED. (2023) FBC
UPDATE TO 7TH ED. (2020) FBC
UPDATE TO 6TH ED. (2017) FBC
ADDED ADA O.S. BUMP THRESHOLD
UPDATE TO 5TH ED. (2014) FBC

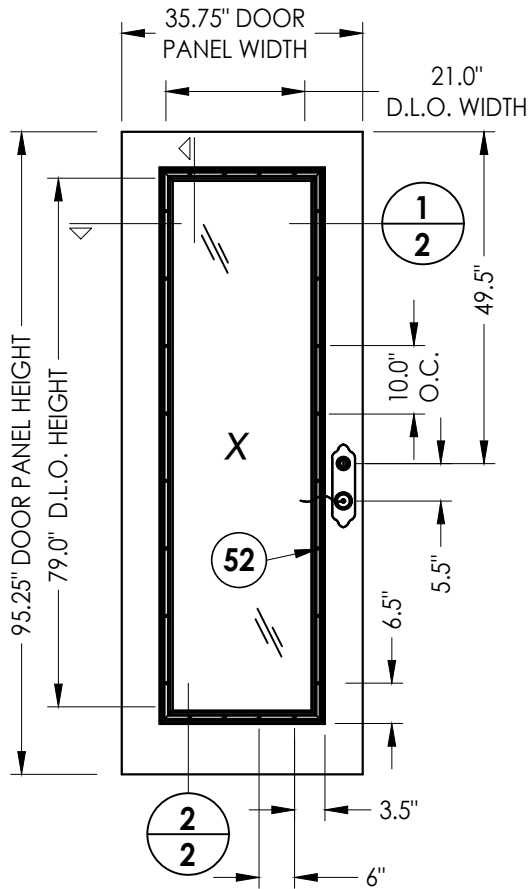
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REVISIONS

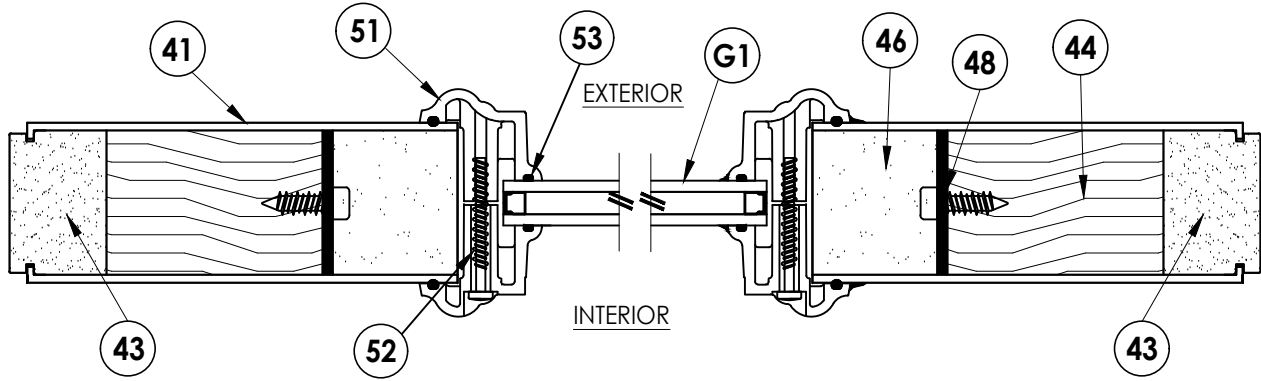
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DWG. BY: AP
CHK. BY: LFS
DRAWING NO.: FL-17184.19
SHEET 1 OF 12

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

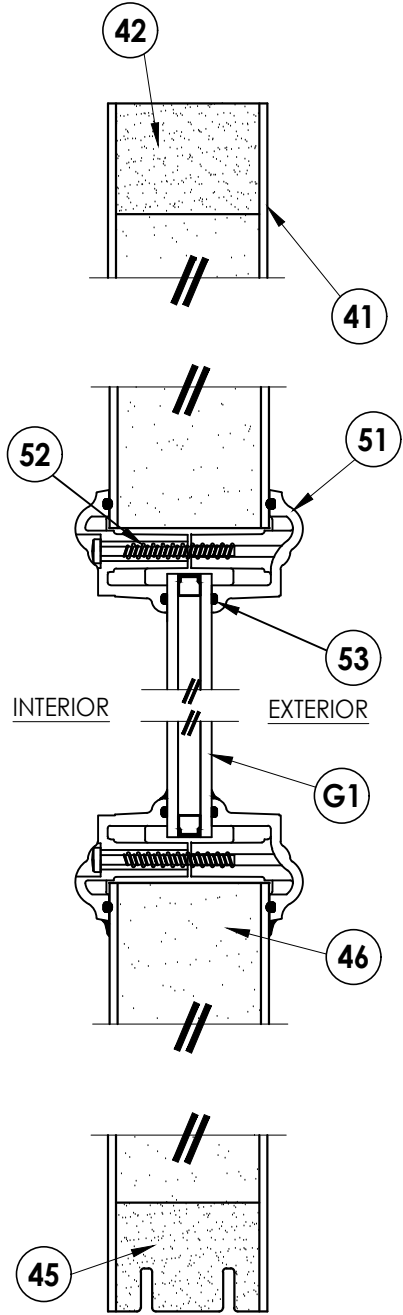
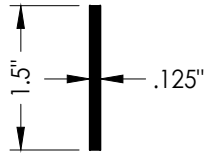
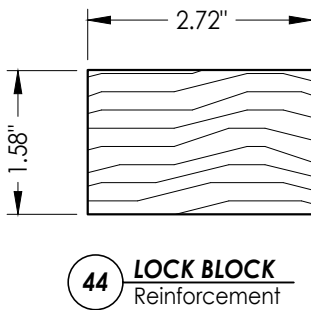
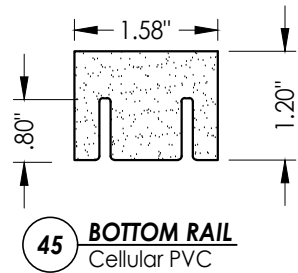
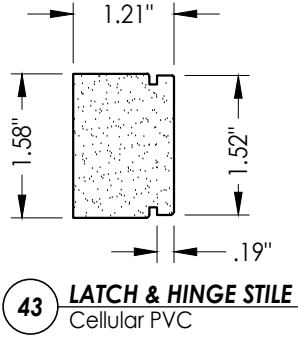
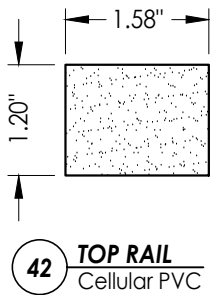
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40 DOOR PANEL



1/2 HORIZONTAL CROSS SECTION



2/2 VERTICAL CROSS SECTION

NO.	DATE	REVISIONS
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC
4	8/05/20	UPDATE TO 7TH ED. (2020) FBC
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2	3/10/16	ADDED ADA O.S. BUMP THRESHOLD
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC
		BY

DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AP

CHK. BY: LFS

DRAWING NO.:

FL-17184.19

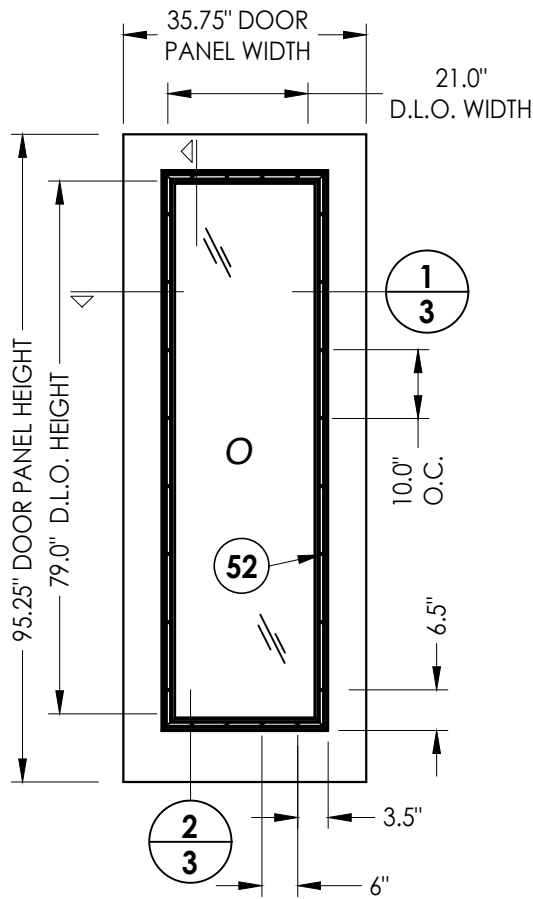
SHEET 2 OF 12

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

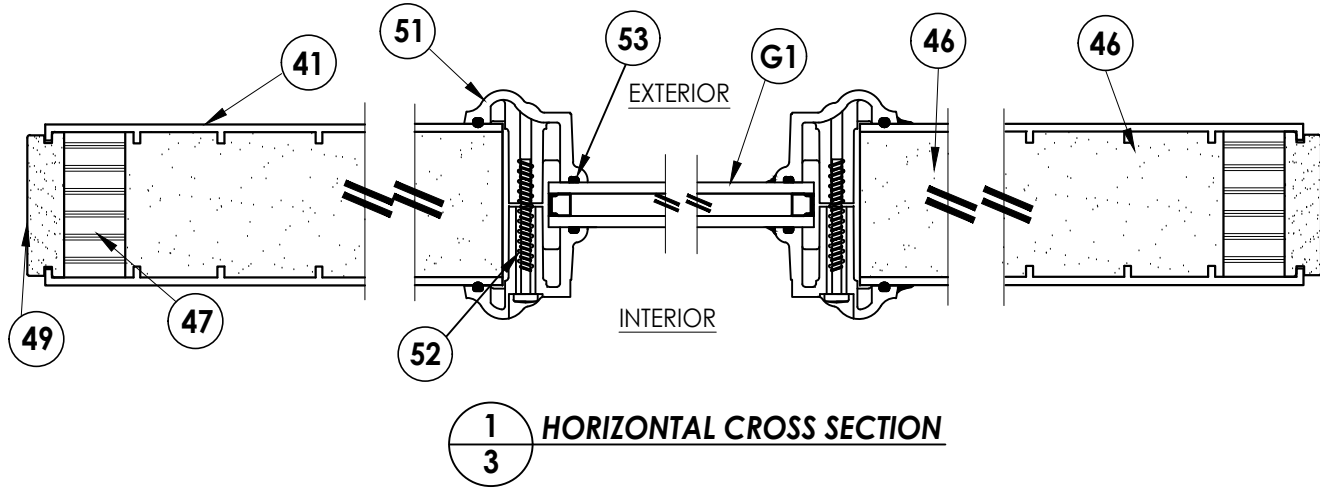
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

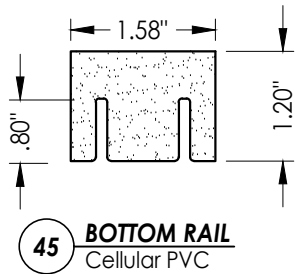
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DOOR PANEL DETAILS



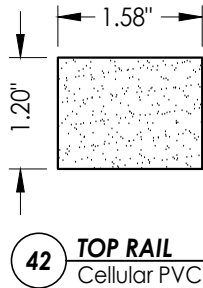
50 SIDELITE PANEL



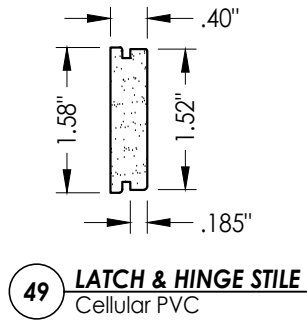
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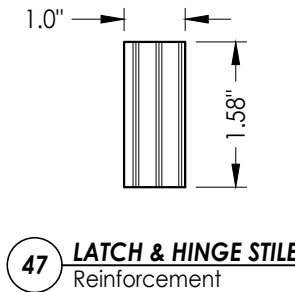
45 BOTTOM RAIL
Cellular PVC



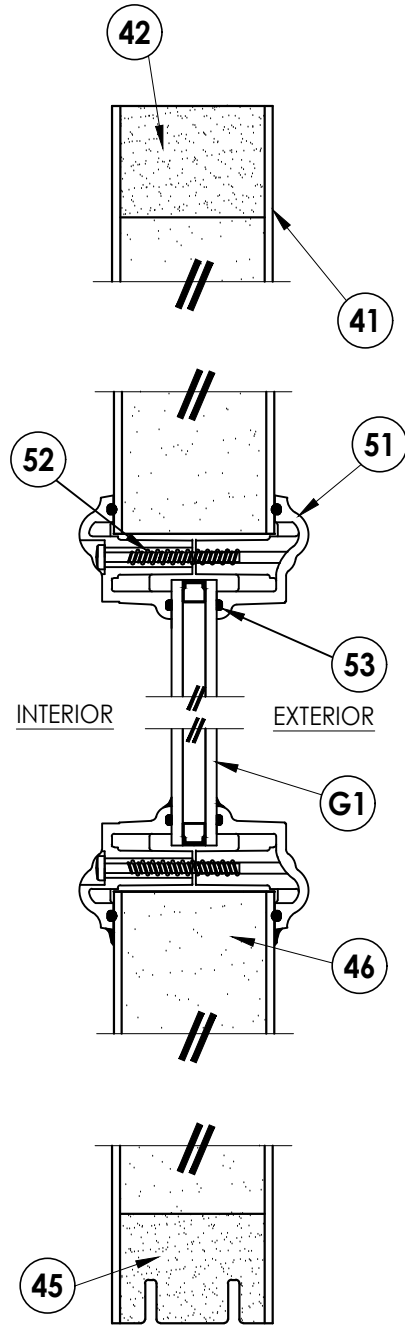
42 TOP RAIL
Cellular PVC



49 LATCH & HINGE STILE
Cellular PVC



47 LATCH & HINGE STILE
Reinforcement



2/3 VERTICAL CROSS SECTION

NO.	DATE	REVISIONS
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC
4	8/05/20	UPDATE TO 7TH ED. (2020) FBC
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1	04/22/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AP

CHK. BY: LFS

DRAWING NO.:

FL-17184.19

SHEET 3 OF 12

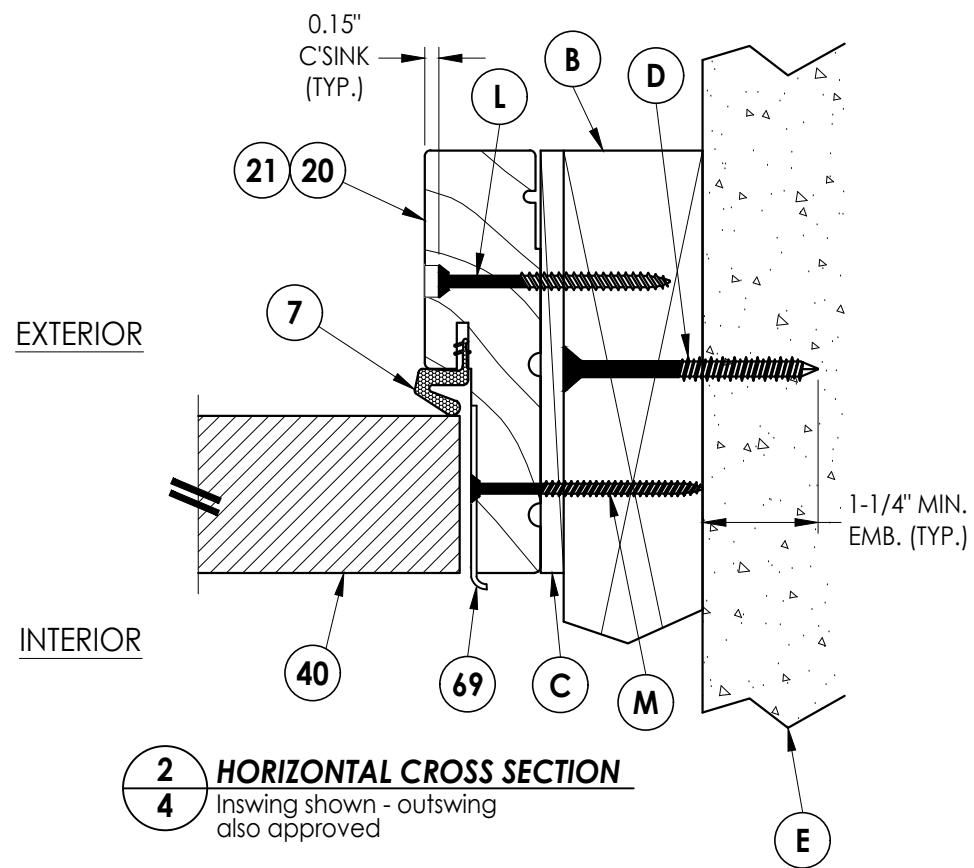
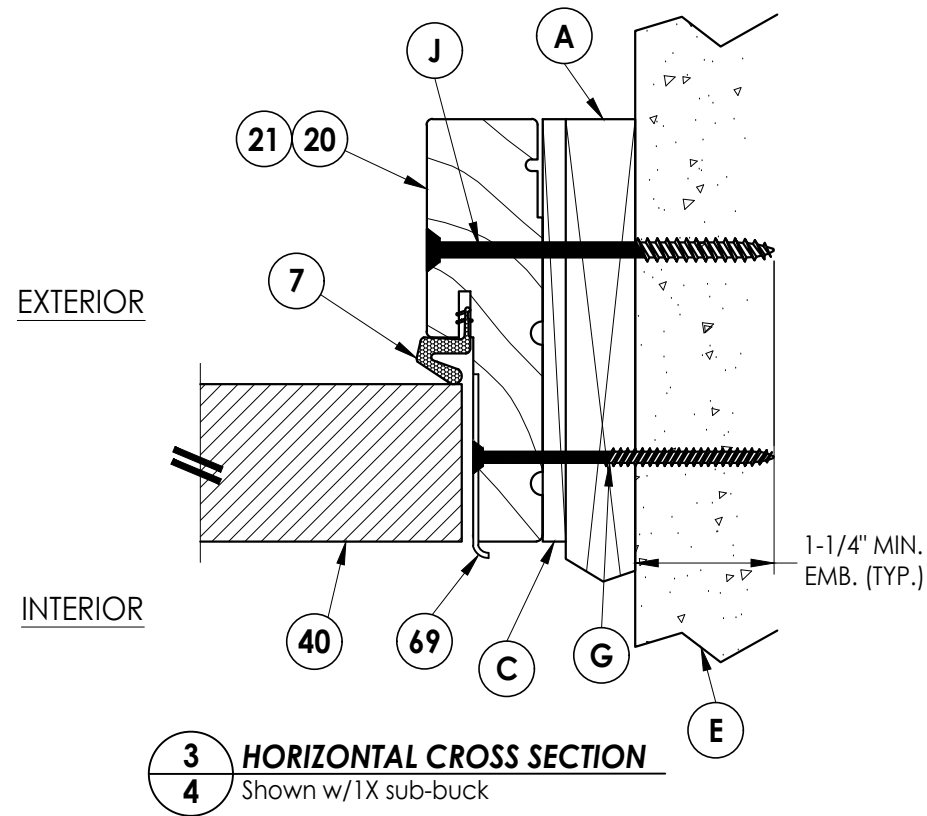
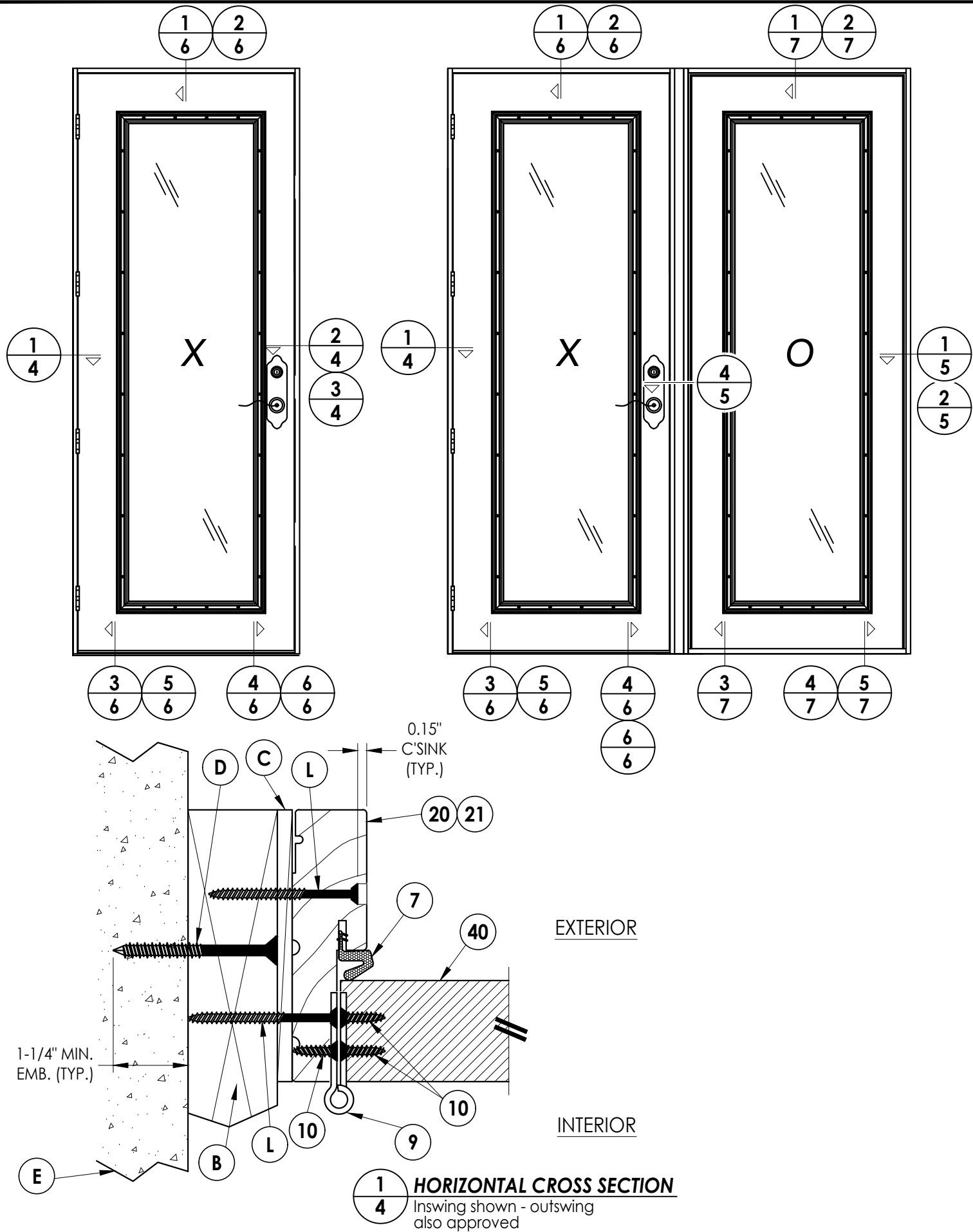
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

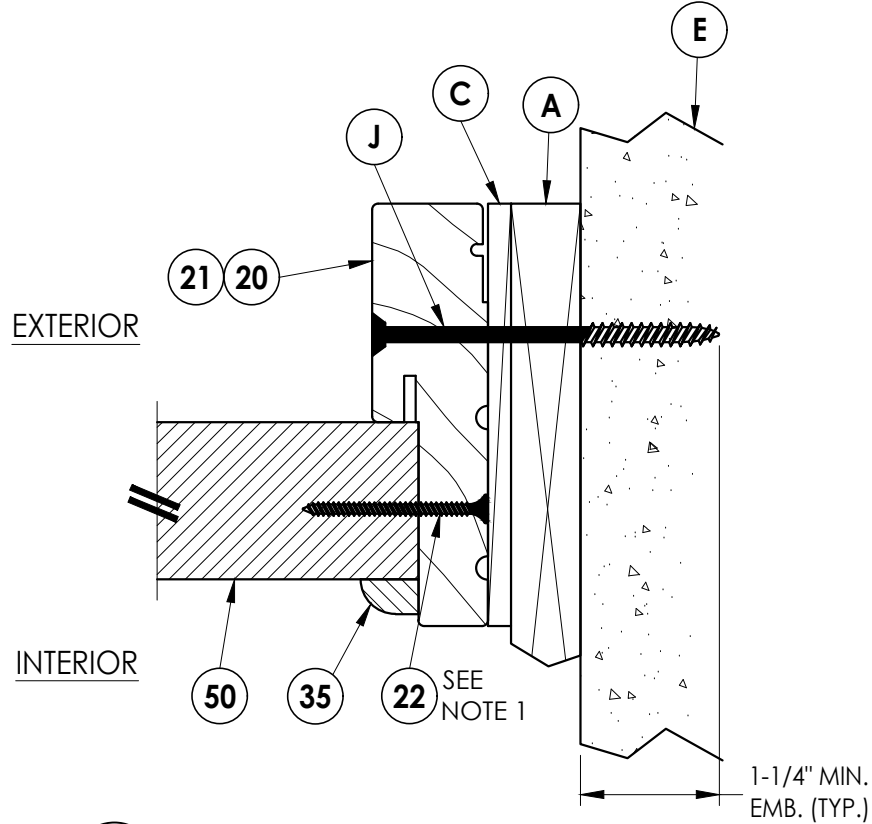
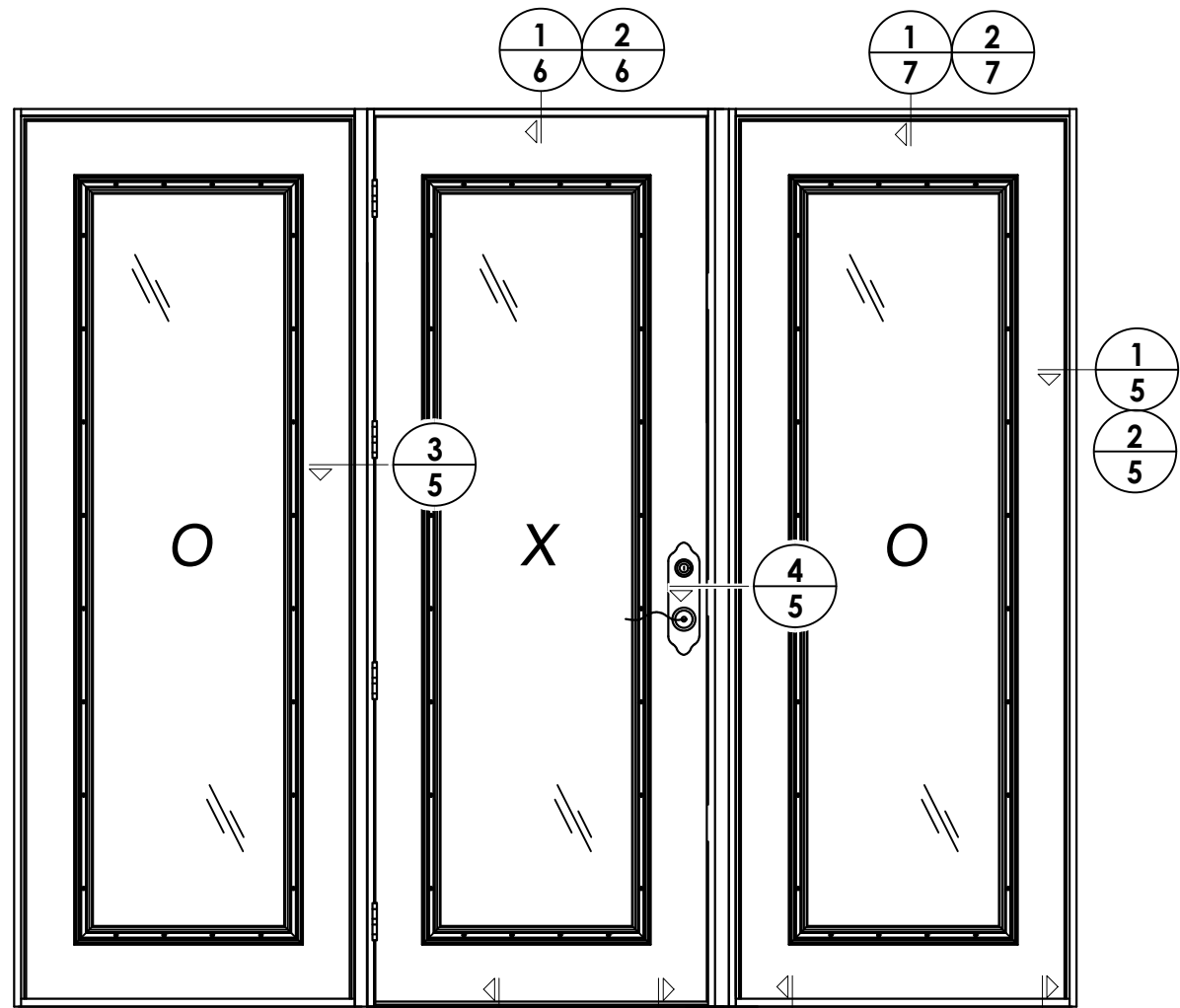
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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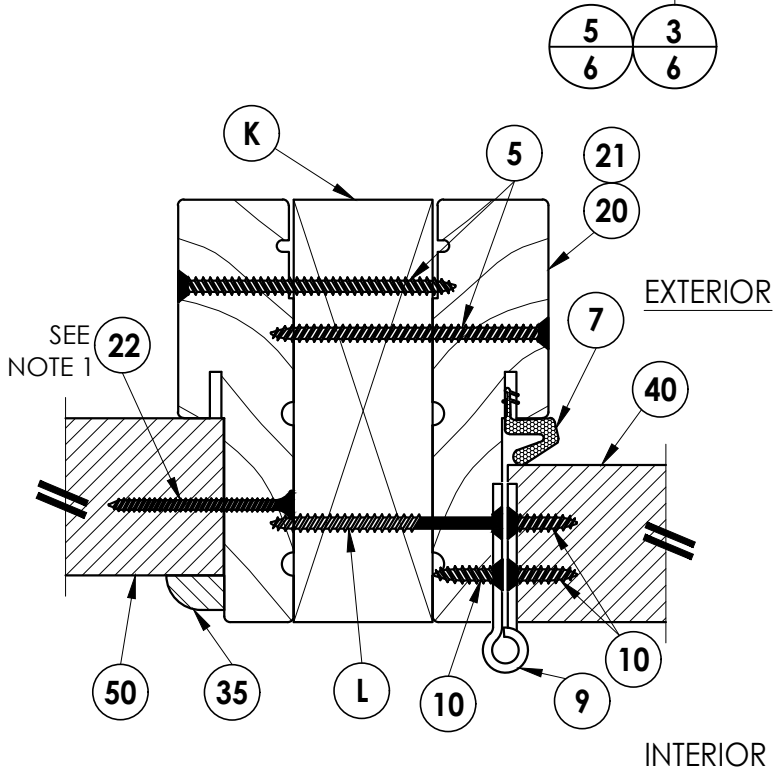


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC
4	8/05/20	UPDATE TO 7TH ED. (2020)	FBC
3	08/02/17	UPDATE TO 6TH ED. (2017)	FBC
2	3/10/16	ADDED ADA O.S. BUMP THRESHOLD	JK
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC
NO. DATE		REVISIONS	
DATE: 8/25/14			
SCALE: N.T.S.			
DWG. BY: AP			
CHK. BY: LFS			
DRAWING NO.: FL-17184.19			
SHEET 4 OF 12			

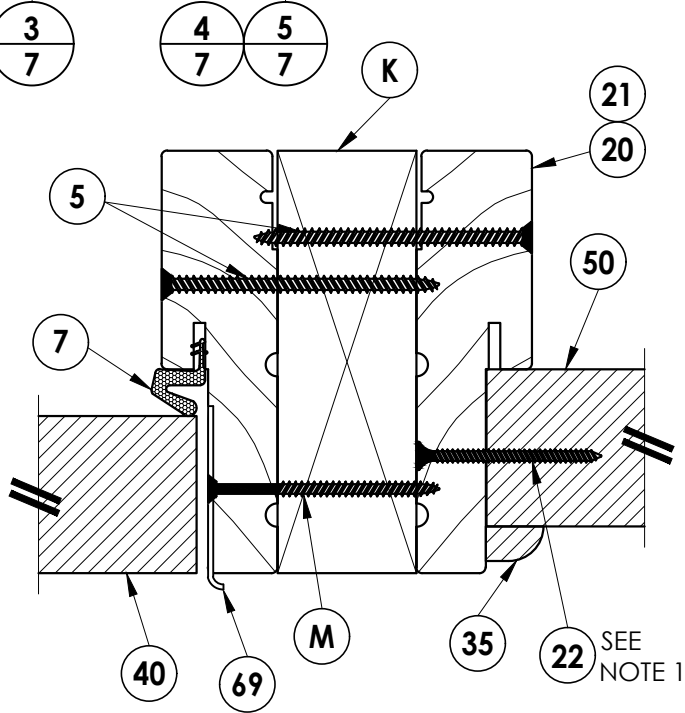
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1
5 **HORIZONTAL CROSS SECTION**
Shown w/1X sub-buck



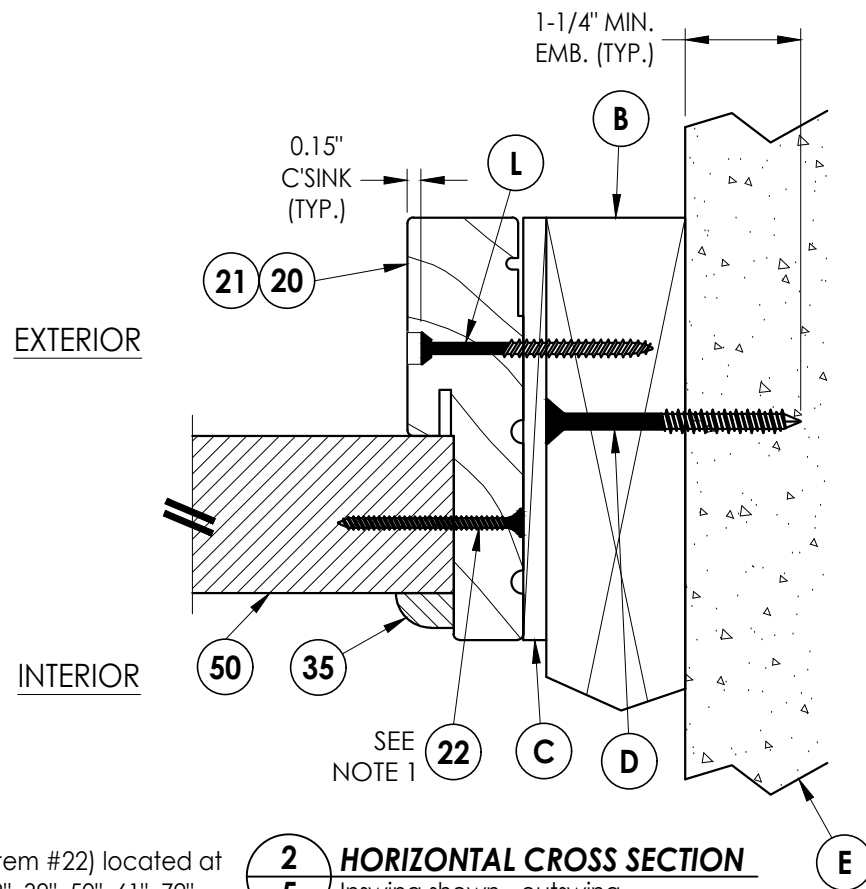
3
5 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing
also approved



4
5 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing
also approved

NOTE:

1. Sidelite screws (item #22) located at 3", 5.5", 8", 18", 28", 39", 50", 61", 72", 82" and 92" from bottom of panel.



2
5 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing
also approved

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

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

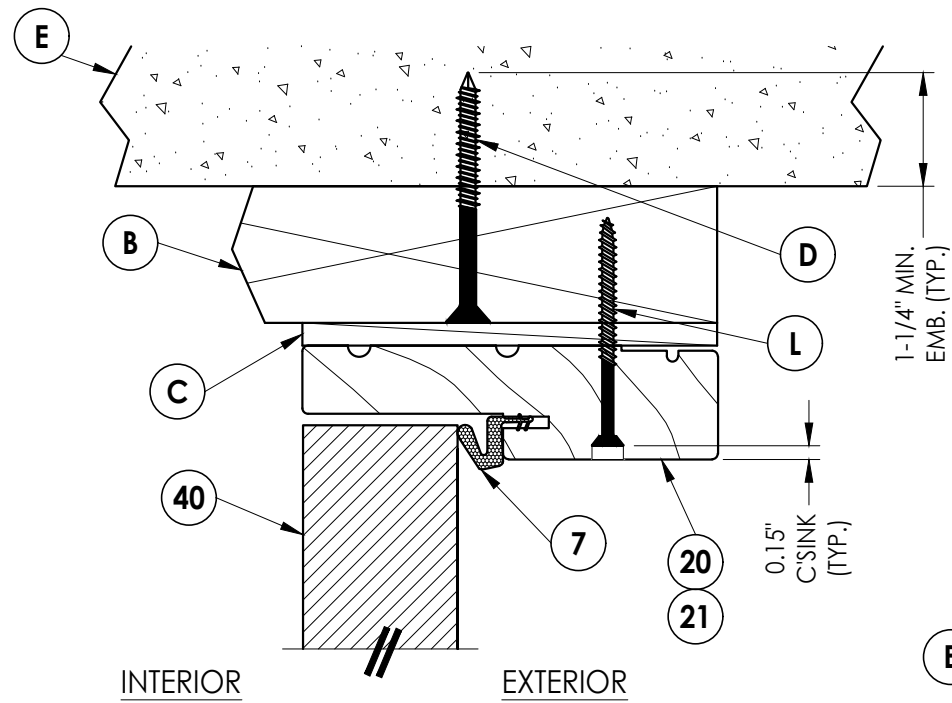
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

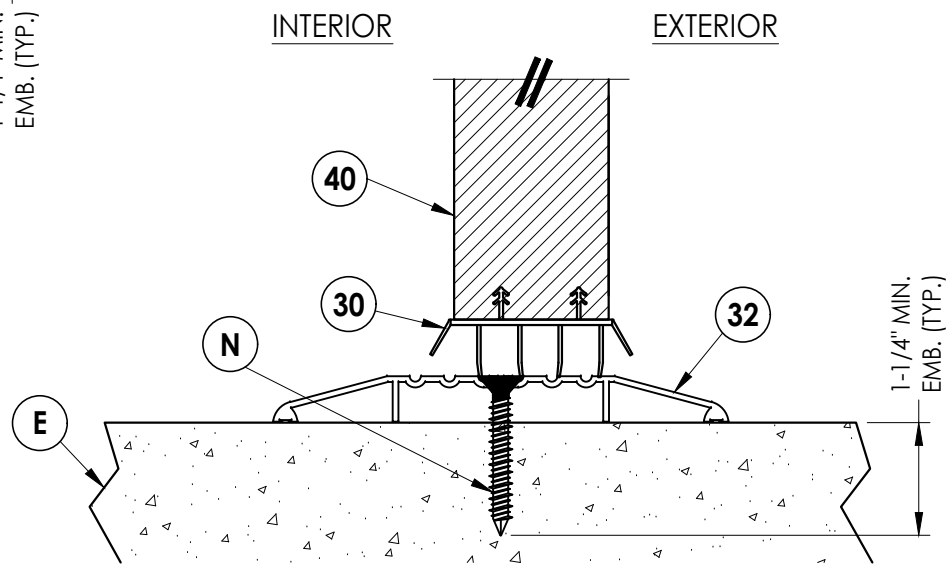
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3	08/02/17	UPDATE TO 6TH ED. (2017)	FBC	JK		
2	3/10/16	ADDED ADA O.S. BUMP THRESHOLD	JK			
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK		

DATE: 8/25/14
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: LFS
DRAWING NO.: FL-17184.19
SHEET 5 OF 12

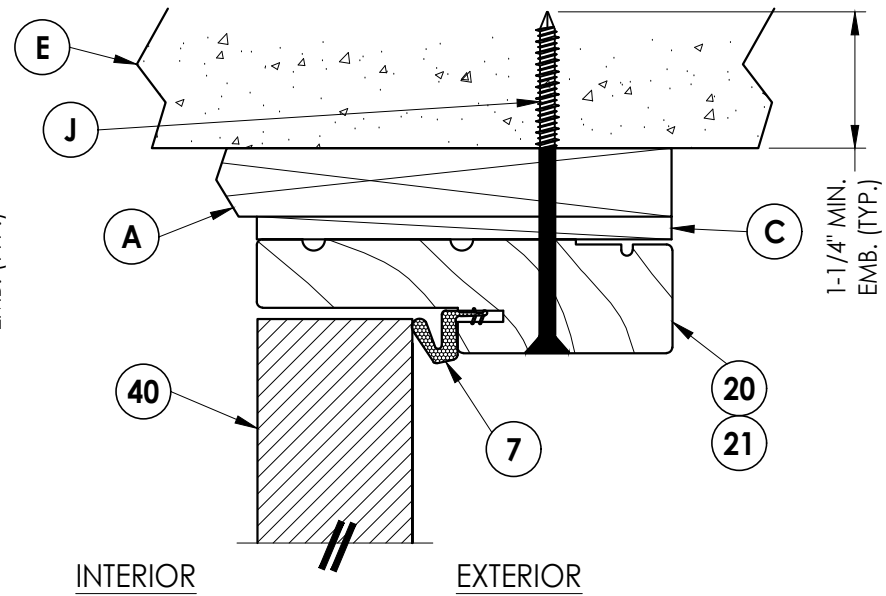
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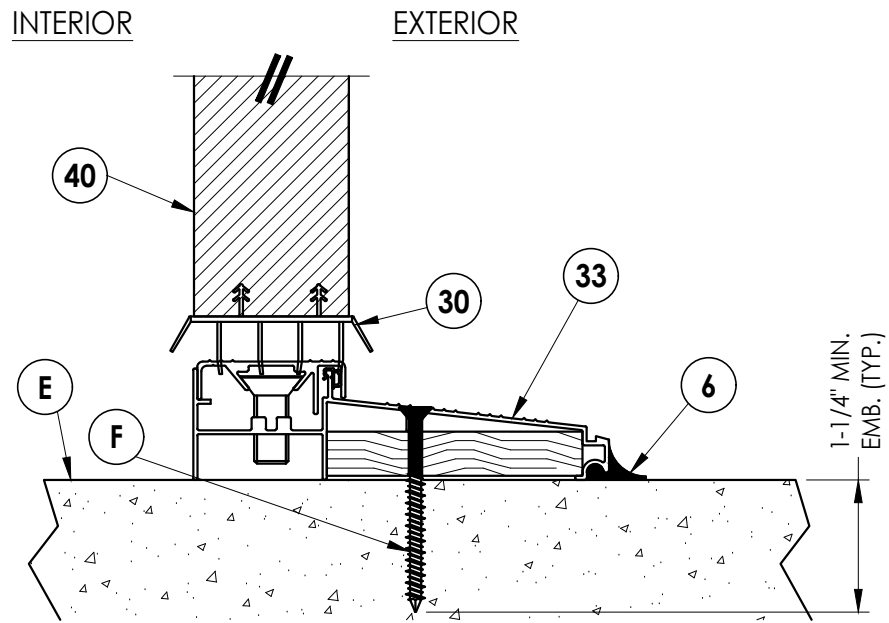
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6 **VERTICAL CROSS SECTION**
Inswing shown - outswing
also approved



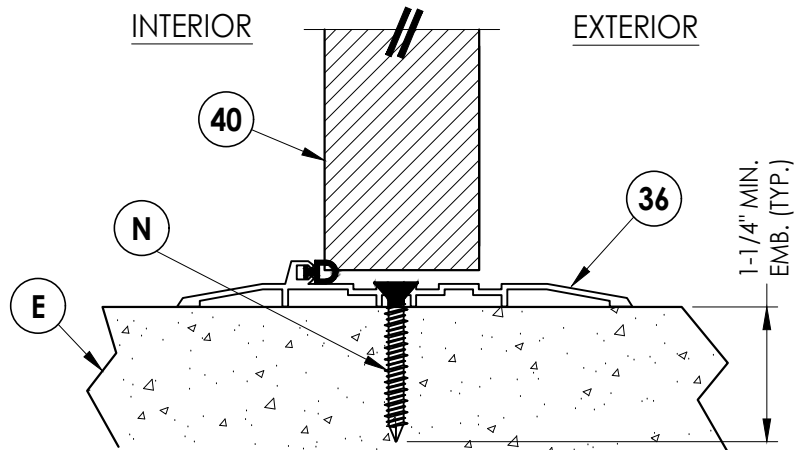
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6 **VERTICAL CROSS SECTION**
Shown w/ ADA threshold



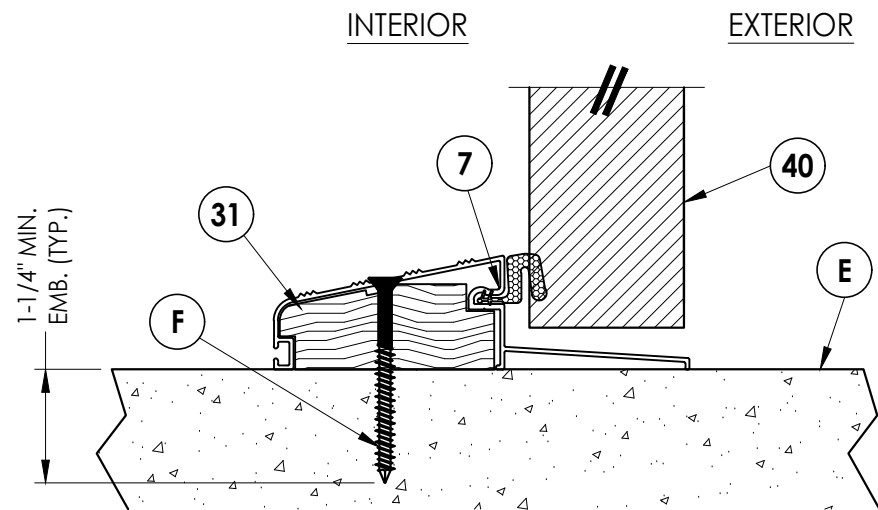
2
6 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck



3
6 **VERTICAL CROSS SECTION**
Inswing configuration



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



4
6 **VERTICAL CROSS SECTION**
Outswing configuration

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

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:

VERTICAL CROSS SECTIONS

DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AL

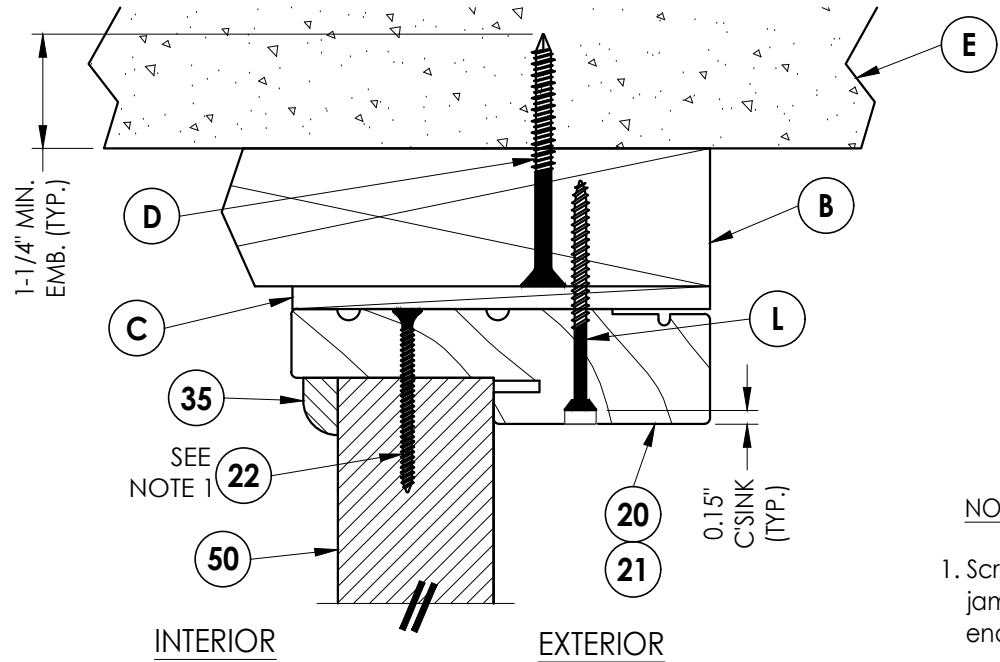
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DRAWING NO.: FL-17184.19

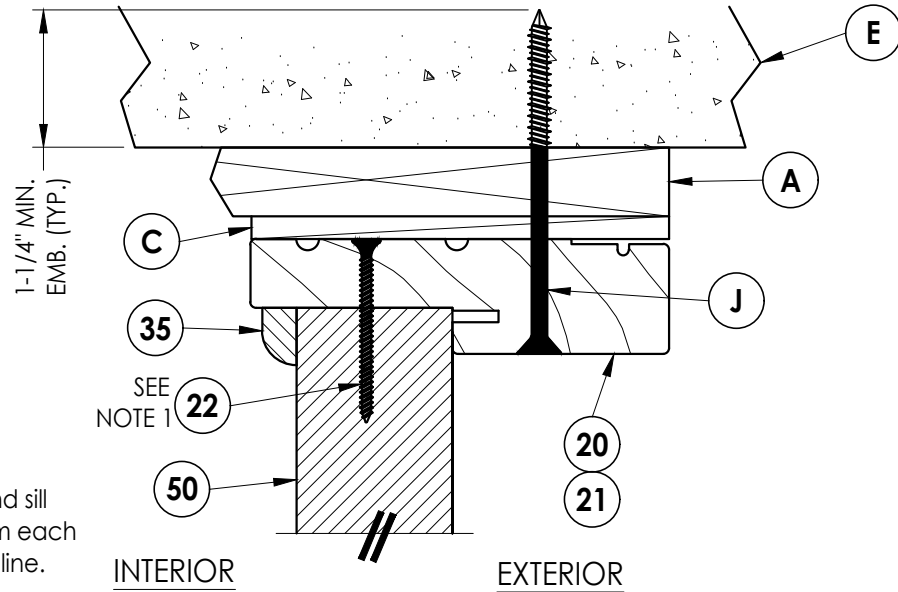
SHEET 6 OF 12

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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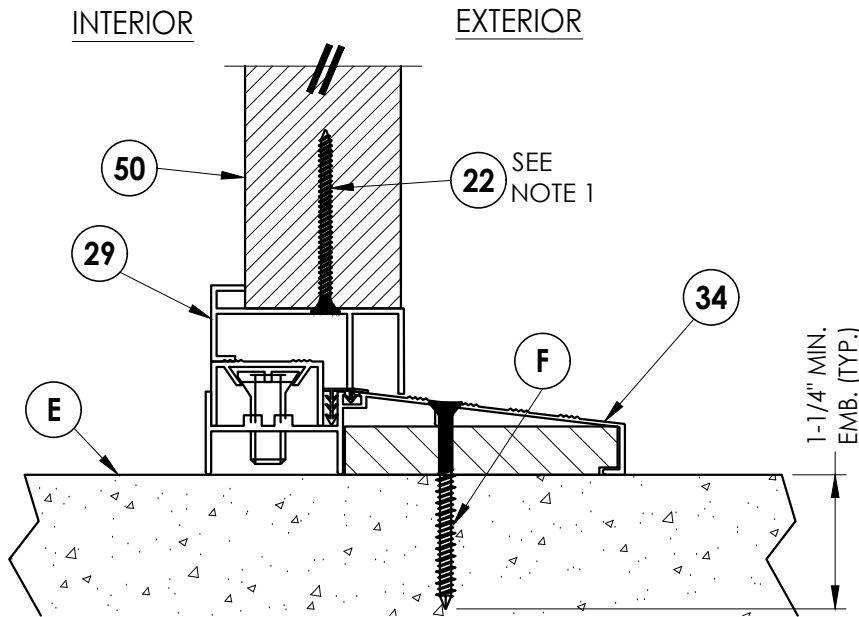


1 VERTICAL CROSS SECTION
7 Inswing shown - outswing
also approved

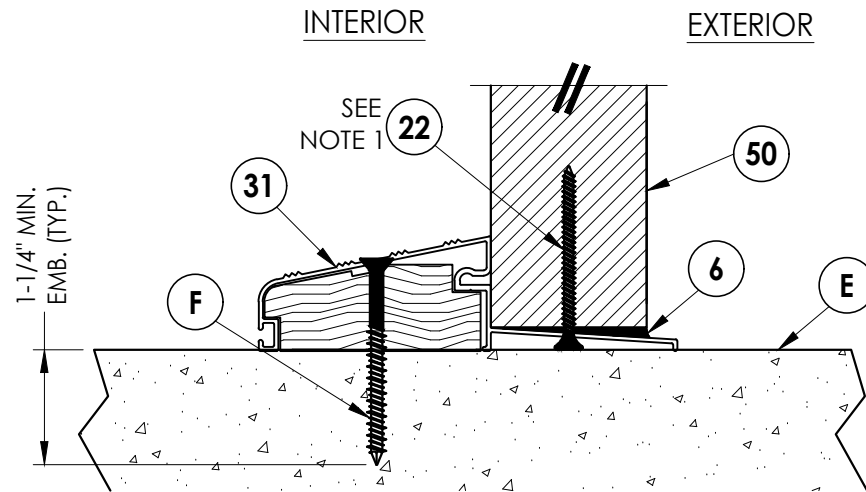


2 VERTICAL CROSS SECTION
7 Shown w/1X sub-buck

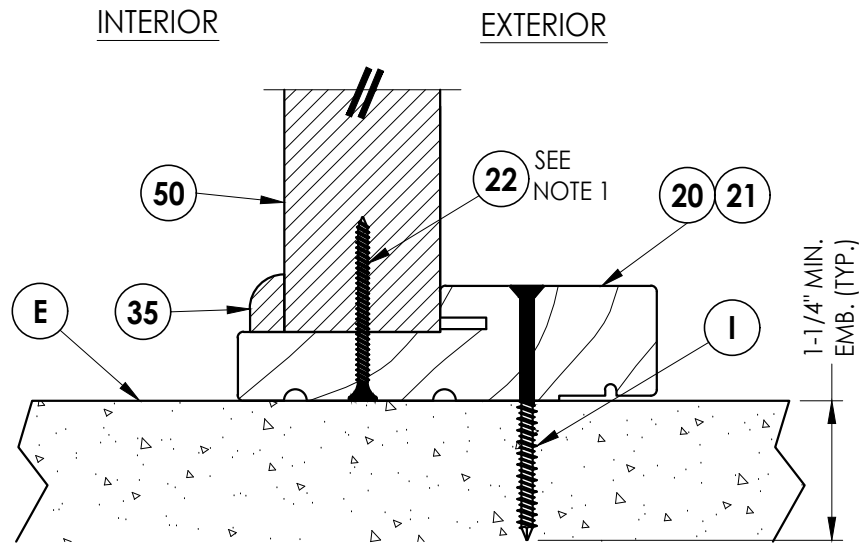
NOTE:
1. Screws thru head and sill
jamb located 3" from each
end and O.C. (TYP.) line.



3 VERTICAL CROSS SECTION
7 Inswing configuration



4 VERTICAL CROSS SECTION
7 Outswing configuration



5 VERTICAL CROSS SECTION
7 Outswing configuration

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:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC
4	8/05/20	UPDATE TO 7TH ED. (2020) FBC
3	08/02/17	UPDATE TO 6TH ED. (2017) FBC
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1	04/22/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AL

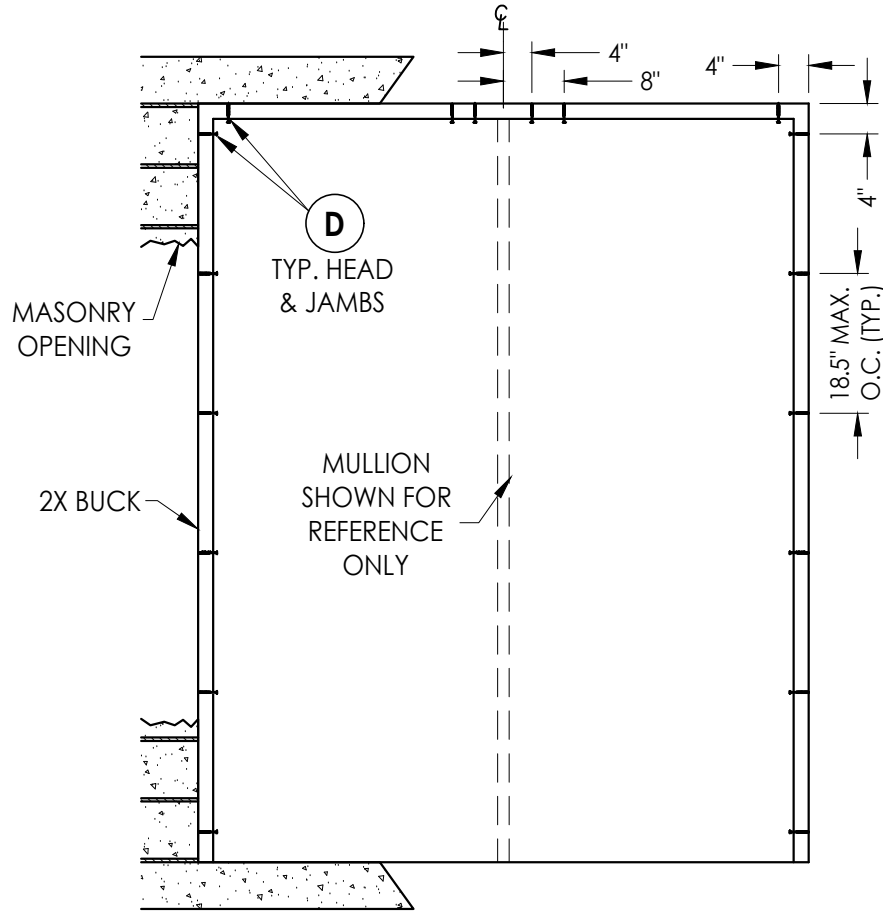
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DRAWING NO.:

FL-17184.19

SHEET 7 OF 12

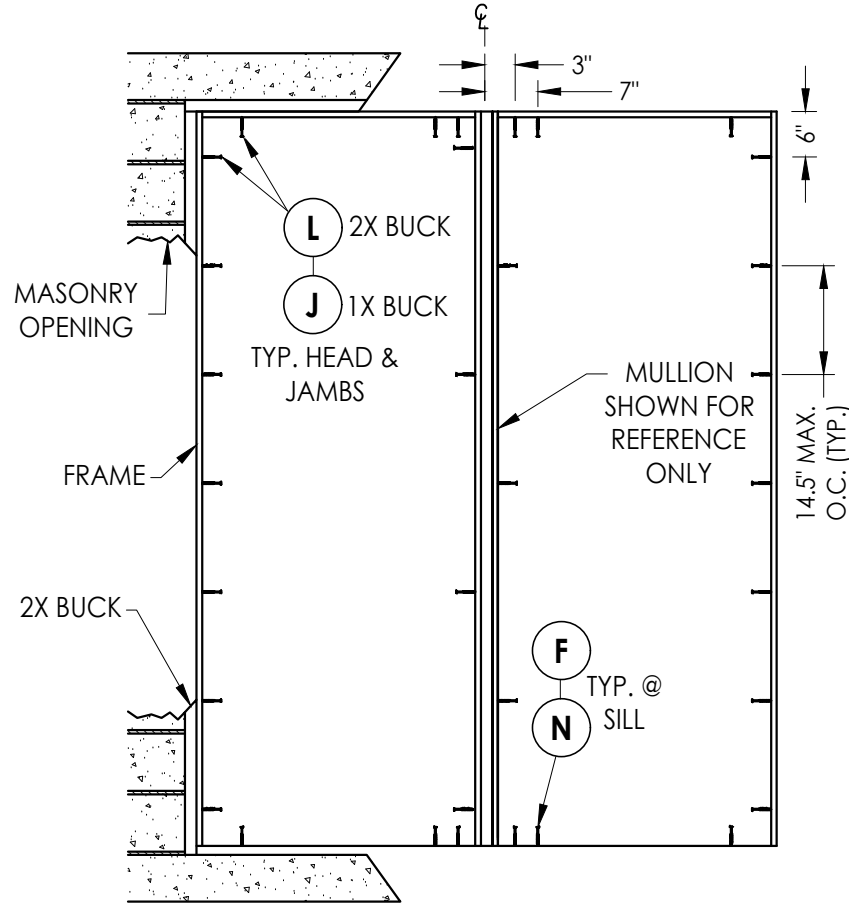
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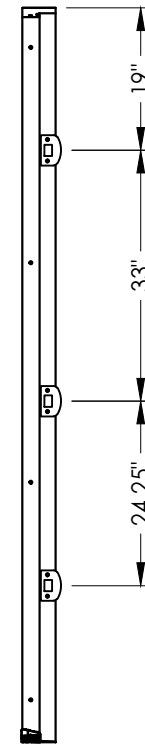
BUCK ANCHORING



HINGE JAMB

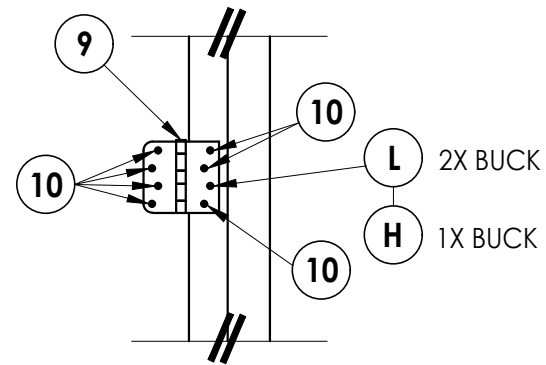


FRAME ANCHORING
Masonry construction

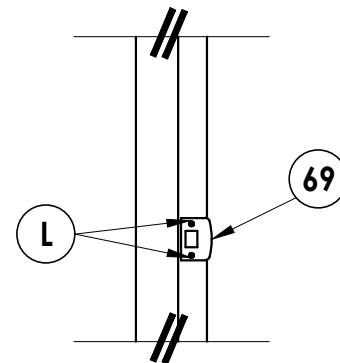


STRIKE JAMB

FRAME ANCHORING
Masonry construction



HINGE DETAIL



LATCH DETAIL

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 TAPCON®	1/4"	1-1/4"	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.

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

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

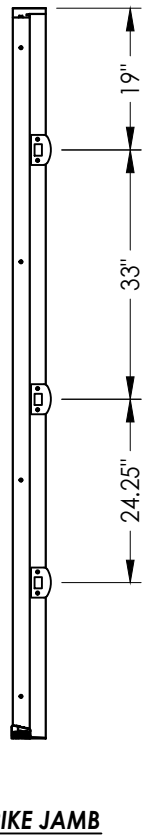
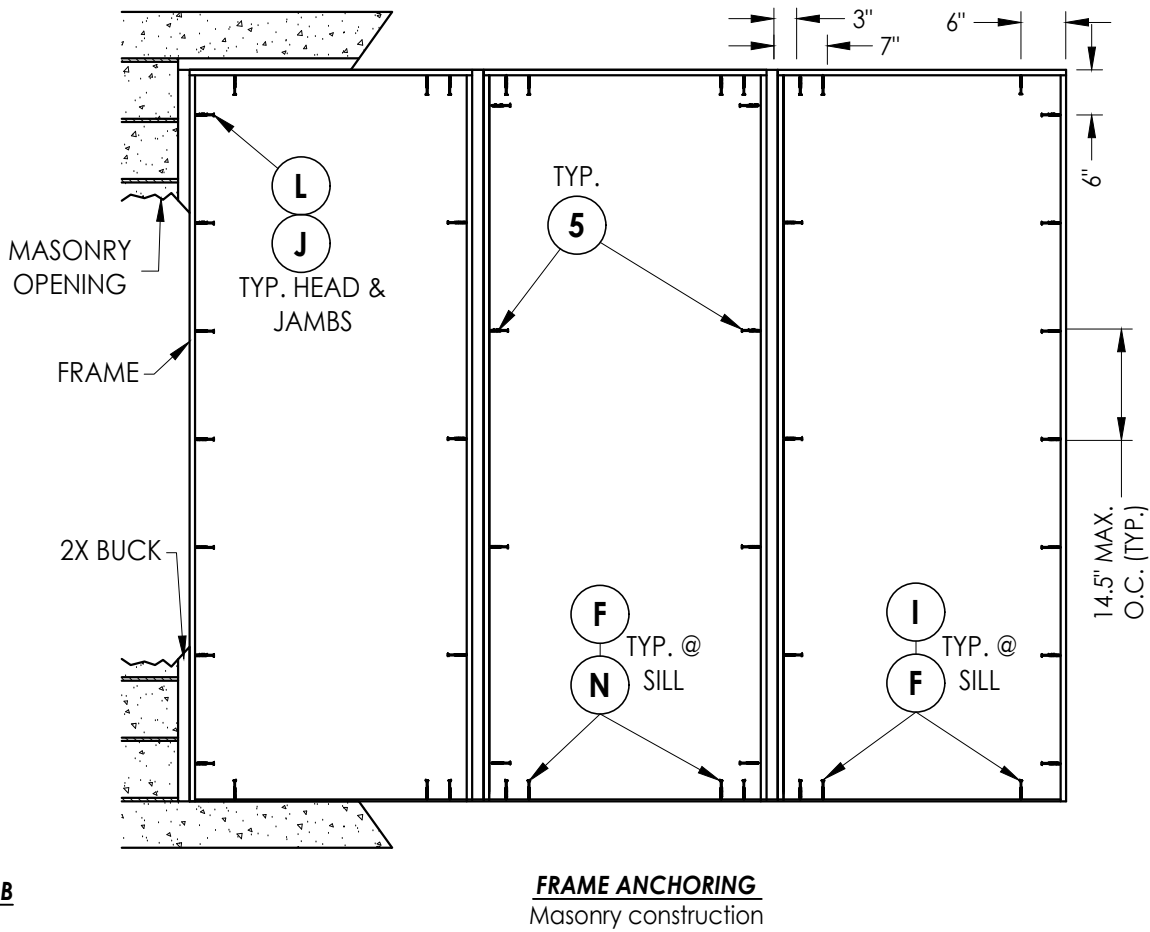
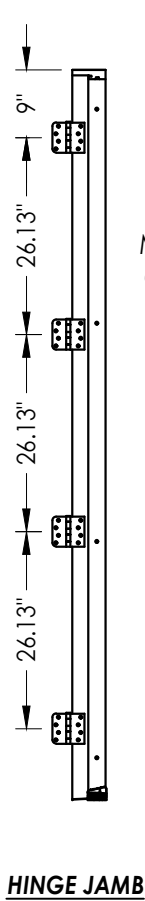
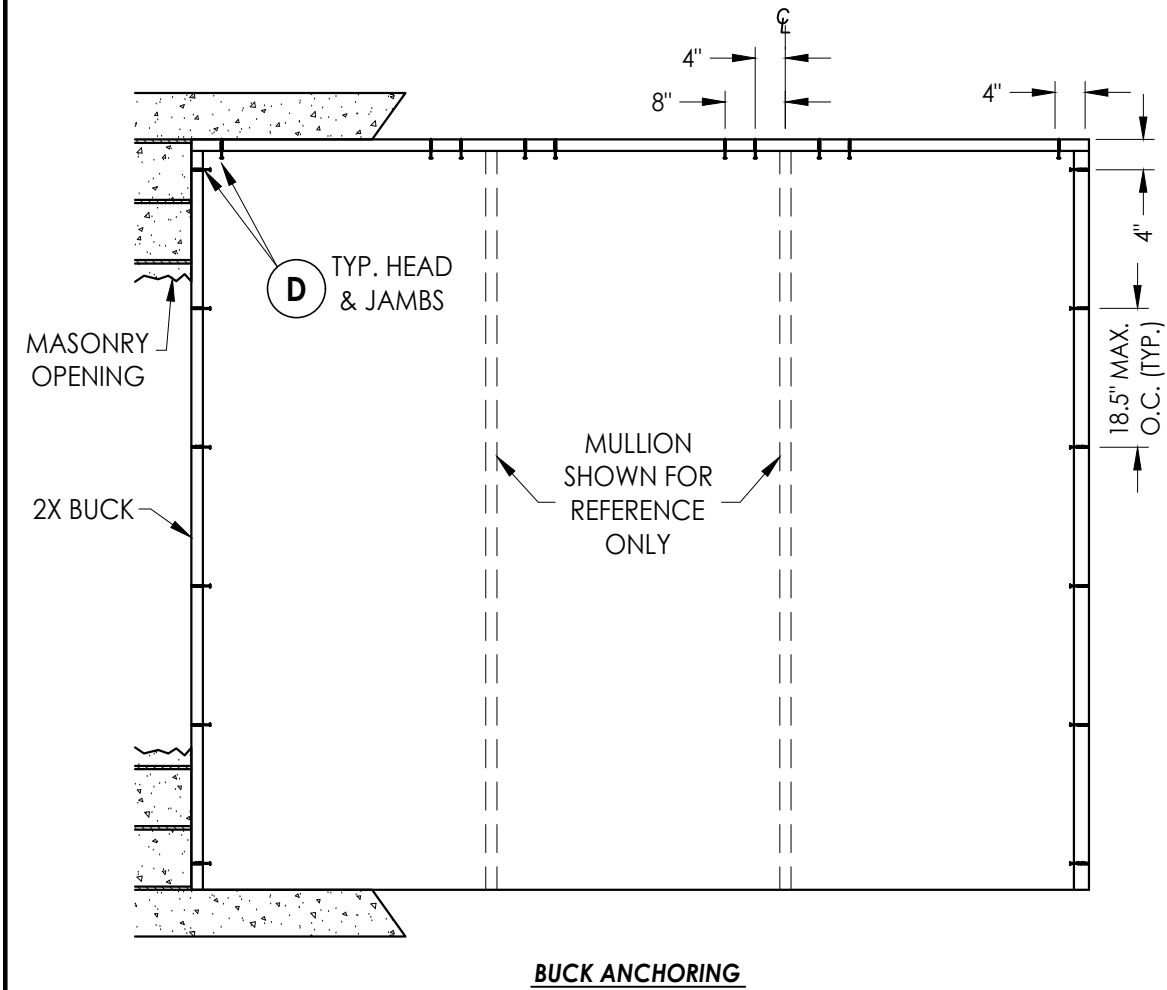
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

NO.	DATE	REVISIONS
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC
4	8/05/20	UPDATE TO 7TH ED. (2020) FBC
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1	04/22/15	UPDATE TO 5TH ED. (2014) FBC
NO.	DATE	BY

DATE: 8/25/14
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: LFS
DRAWING NO.: FL-17184.19
SHEET 9 OF 12

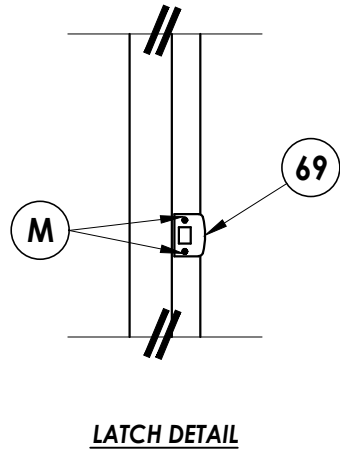
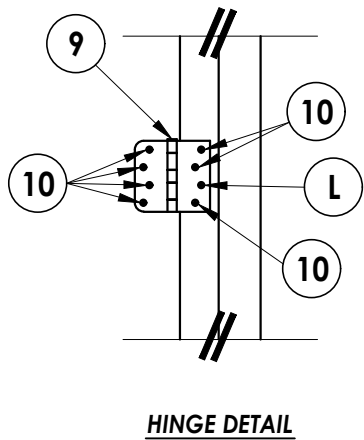
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CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
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Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
(OXO)

NO.	DATE	REVISIONS
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC
4	8/05/20	UPDATE TO 7TH ED. (2020) FBC
3	08/02/17	UPDATE TO 6TH ED. (2017) FBC
2	3/10/16	ADDED ADA O.S. BUMP THRESHOLD
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 8/25/14

SCALE: N.T.S.

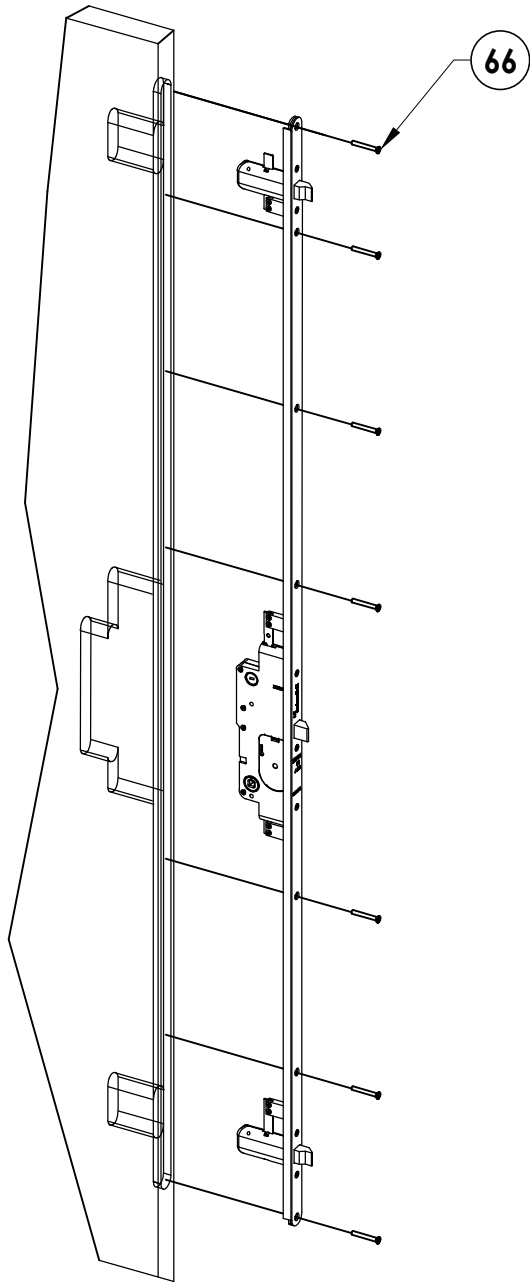
DWG. BY: AP

CHK. BY: LFS

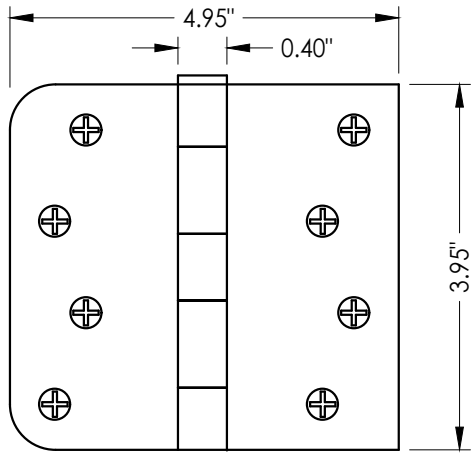
DRAWING NO.: FL-17184.19

SHEET 10 OF 12

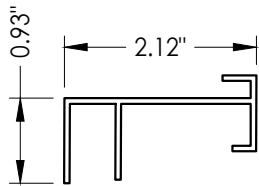
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



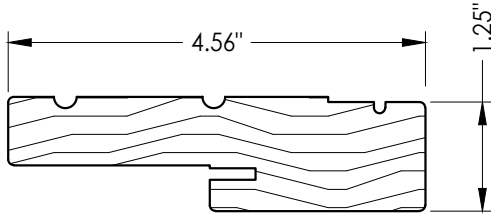
65 **MULTI-POINT LOCK**
Trilennium by Endura



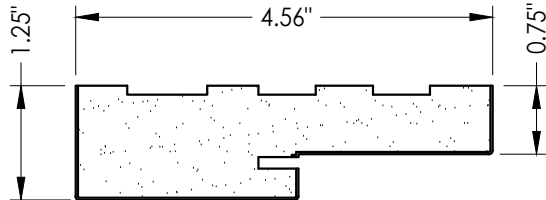
9 **HINGE**



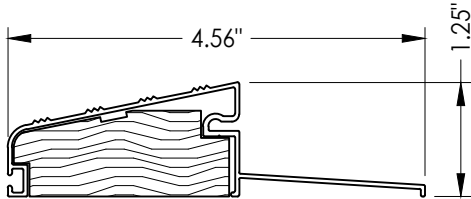
29 **SIDELITE SPACER**
ISSLB



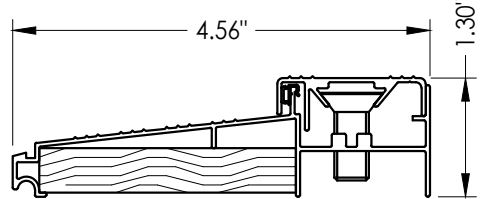
20 **HEAD & SIDE**
Jamb



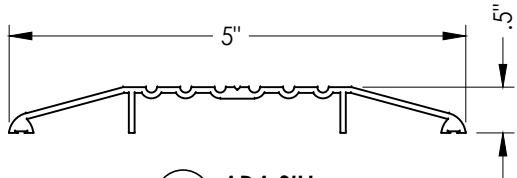
21 **HEAD & SIDE**
Poly fiber jamb



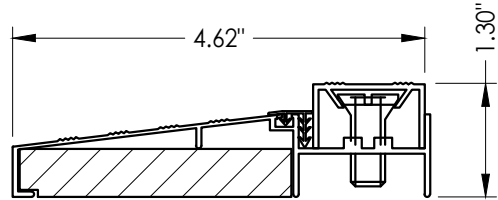
31 **OUTSWING THRESHOLD**
QOSH



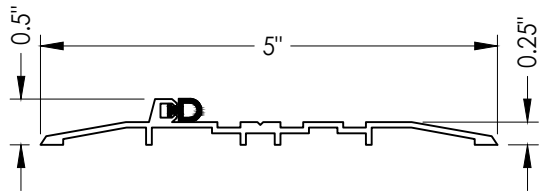
33 **INSWING THRESHOLD**
ISCS



32 **ADA SILL**
ISHC



34 **SIDELITE THRESHOLD**
ISH/ EIS

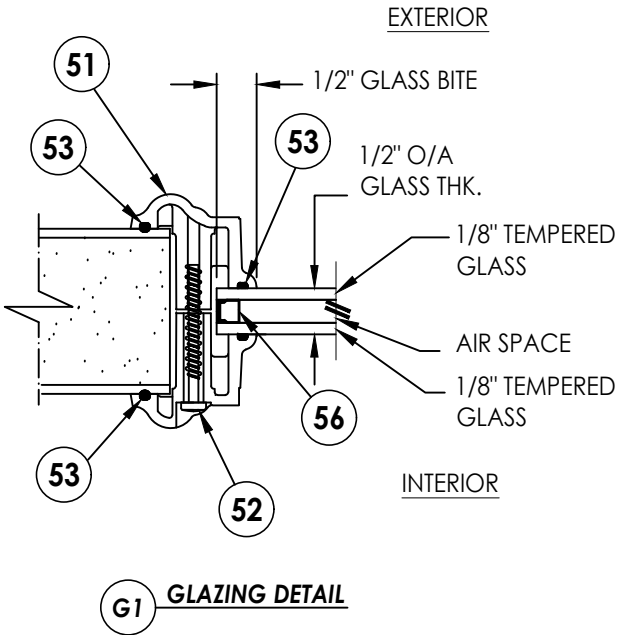


36 **OUTSWING ADA BUMP THRESHOLD**
OSHC

Documents Prepared By:		Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR		PART OR ASSEMBLY: MULTI-POINT LOCK DETAILS & COMPONENTS	
5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	8/05/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
3	08/02/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
2	3/10/16	ADDED ADA O.S. BUMP THRESHOLD	JK	JK	
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
NO.	DATE	REVISIONS			
DATE:		8/25/14			
SCALE:		N.T.S.			
DWG. BY:		AP			
CHK. BY:		LFS			
DRAWING NO.:		FL-17184.19			
SHEET		11	OF	12	

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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 2-1/4" PFH DeWALT 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 DeWALT OR ITW CONCRETE SCREW	STEEL
I	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT 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 DeWALT 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	ALUM.
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
41	DOOR SKIN (MIN. 0.075" THICK) PLAST-PRO/NANYA Fy = 11,063 PSI MIN.	FIBERGLASS
42	TOP RAIL	CELLULAR PVC
43	LATCH & HINGE STILE (DOOR)	CELLULAR PVC
44	LOCK BLOCK (SG >= 0.42)	WOOD
45	BOTTOM RAIL	CELLULAR PVC
46	FOAM CORE	POLYURETHANE
47	LATCH & HINGE STILE REINFORCEMENT	LVL
48	LATCH & HINGE STILE STEEL REINFORCEMENT BAR	STEEL
49	LATCH & HINGE STILE (SIDELITE)	CELLULAR PVC
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
51	ODL LITE 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	STEEL



Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR		PART OR ASSEMBLY: BILL OF MATERIALS & GLAZING DETAIL	
5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC
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