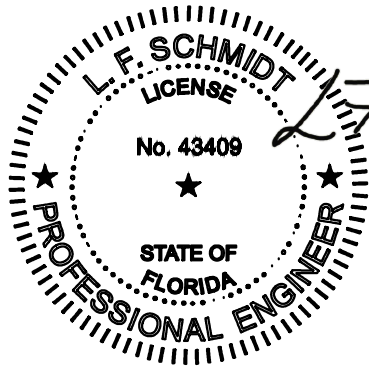




5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045



Digitally signed
by Lyndon F
Schmidt
Date: 2026.08.04
10:49:10 -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

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

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996.
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.

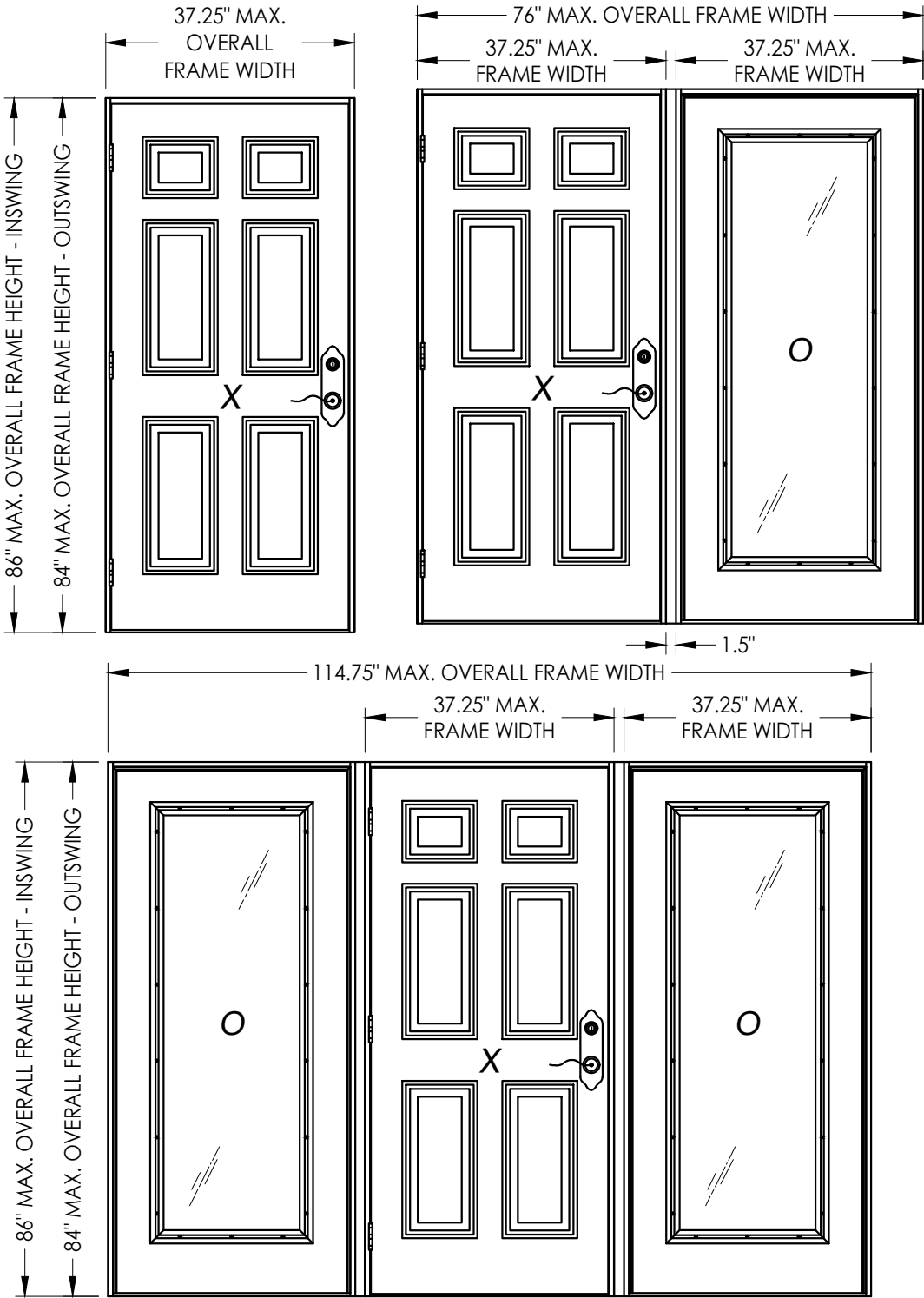


TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Sidelite panel & glazing details
4	Horizontal cross sections
5	Horizontal cross sections
6	Vertical cross sections
7	Vertical cross sections
8	Buck & frame anchoring (X)
9	Buck & frame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

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 86.0"	20.63" x 62.63"	+50.0	-55.0	+50.0	-50.0
OX / XO	76.0" x 86.0"	20.63" x 62.63"	+50.0	-55.0	+50.0	-50.0
OXO	114.75" x 86.0"	20.63" x 62.63"	+50.0	-55.0	+50.0	-50.0

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

PLASTPRO INC.
FIBERGLASS DOOR

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

6	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	8/05/20	UPDATE TO 7TH ED. (2020)	FBC	DAC
NO.	DATE			BY

REVISIONS

DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AL

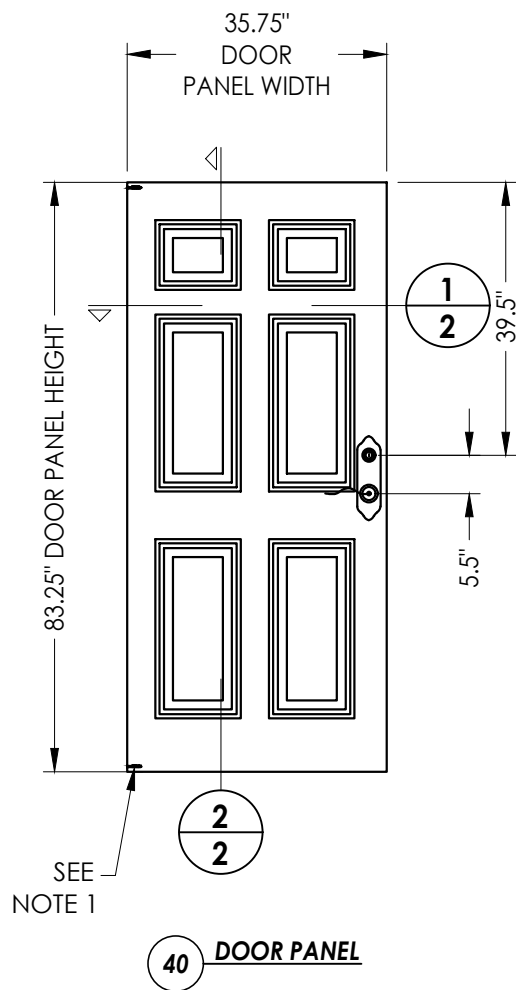
CHK. BY: LFS

DRAWING NO.: FL-17184.17

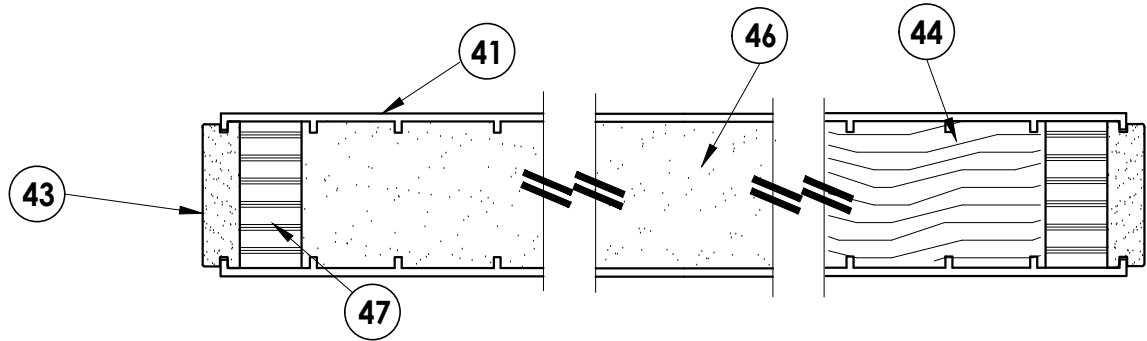
SHEET 1 OF 12

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

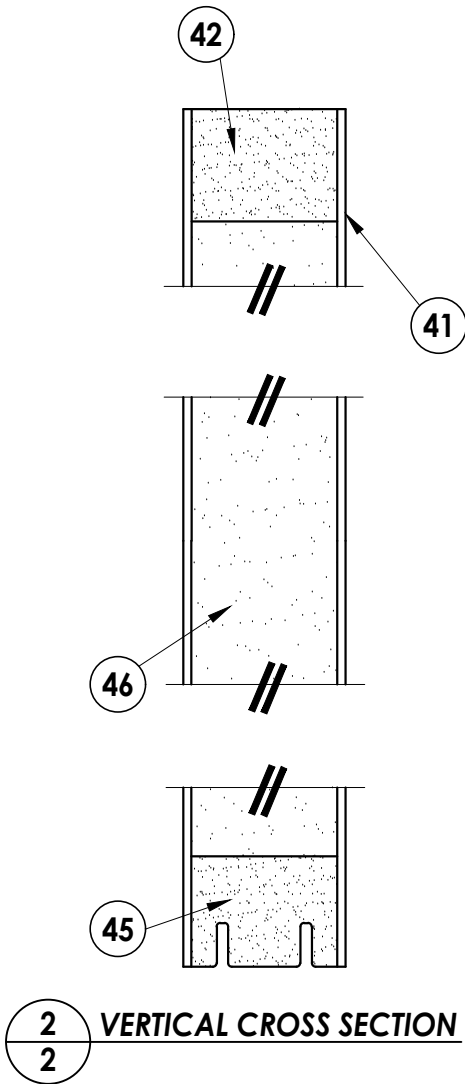
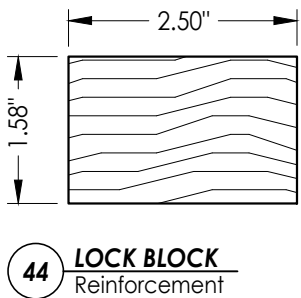
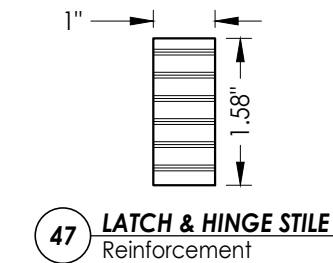
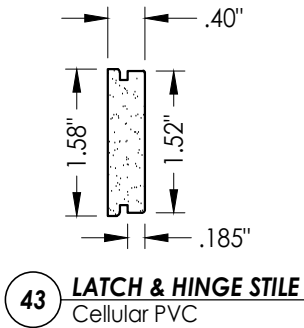
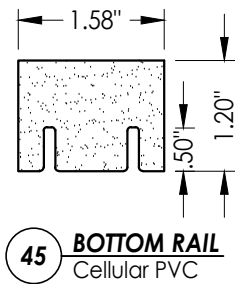
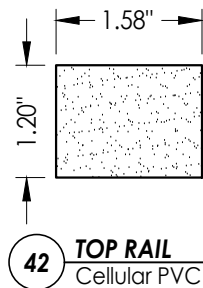
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NOTE 1:
1. #8 X 2" PFH WOOD SCREW THROUGH HINGE CAP
INTO TOP AND BOTTOM RAILS FOR D.P. > 47 PSF.



1
2
HORIZONTAL CROSS SECTION



2
2
VERTICAL CROSS SECTION

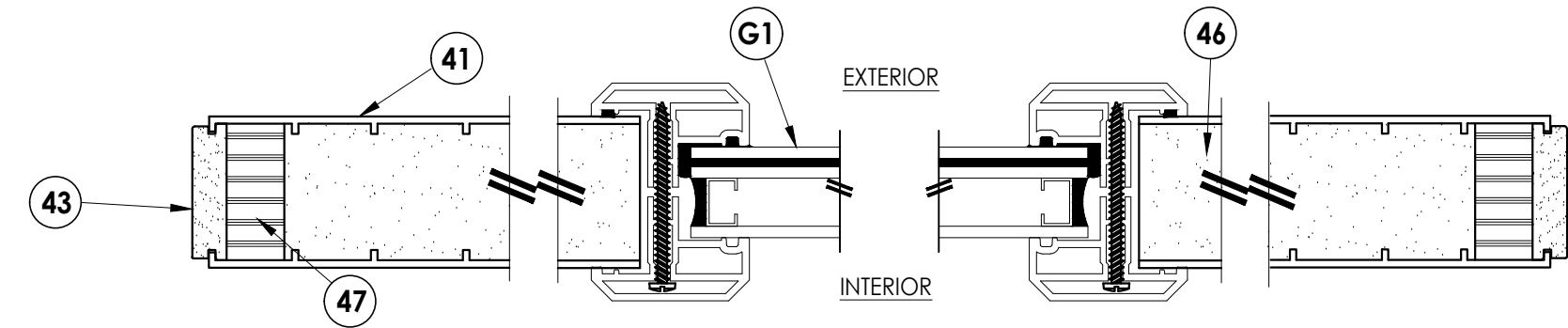
PRODUCT:			
PLASTPRO INC. FIBERGLASS DOOR			
PART OR ASSEMBLY:			
DOOR PANEL DETAILS			
REVISIONS			
NO.	DATE	BY	
6	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC	LFS
4	8/05/20	UPDATE TO 7TH ED. (2020) FBC	DAC

DATE:	8/25/14
SCALE:	N.T.S.
DWG. BY:	AL
CHK. BY:	LFS
DRAWING NO.:	FL-17184.17
SHEET	2 OF 12

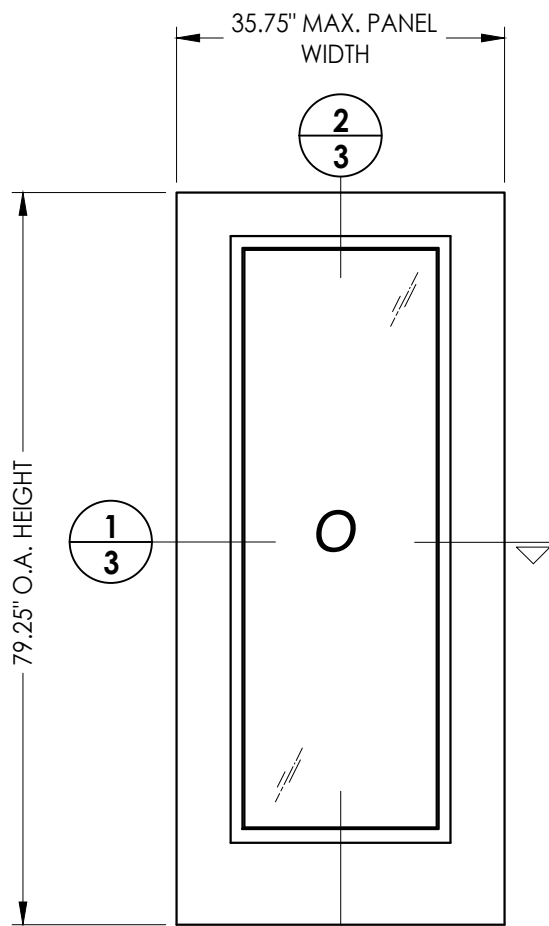
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

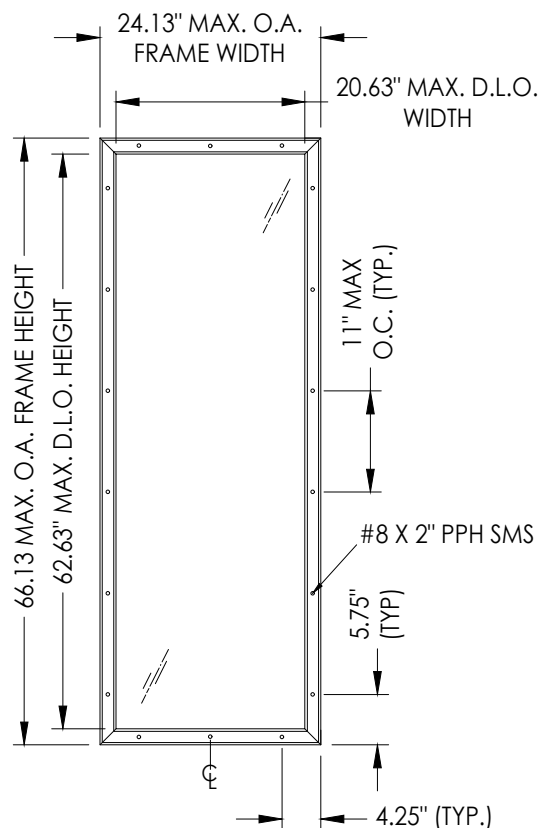
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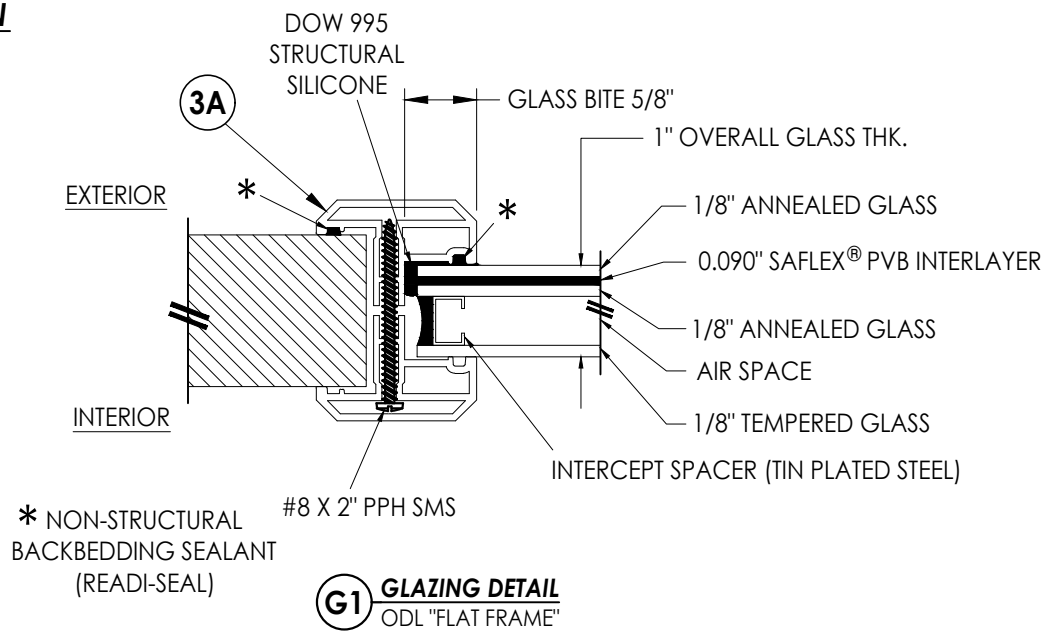
1
3 **HORIZONTAL CROSS SECTION**



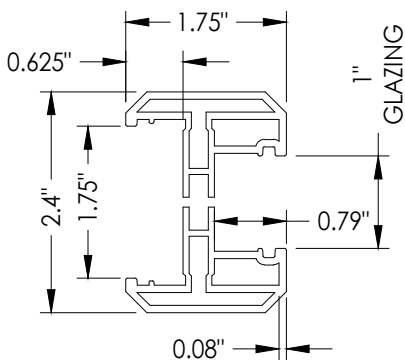
50 **SIDELITE PANEL**



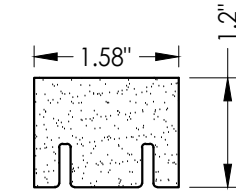
ODL LITE FRAME DETAIL
"FLAT FRAME" PROFILE



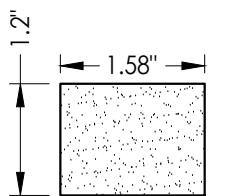
* NON-STRUCTURAL
BACKBEDDING SEALANT
(READI-SEAL)



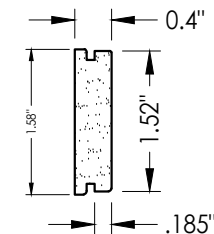
3A **ODL LITE FRAME**
"FLAT FRAME" PROFILE
(6063-T5 ALUM)



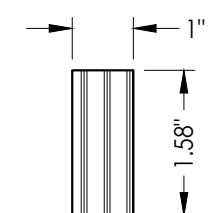
45 **BOTTOM RAIL**
Cellular PVC



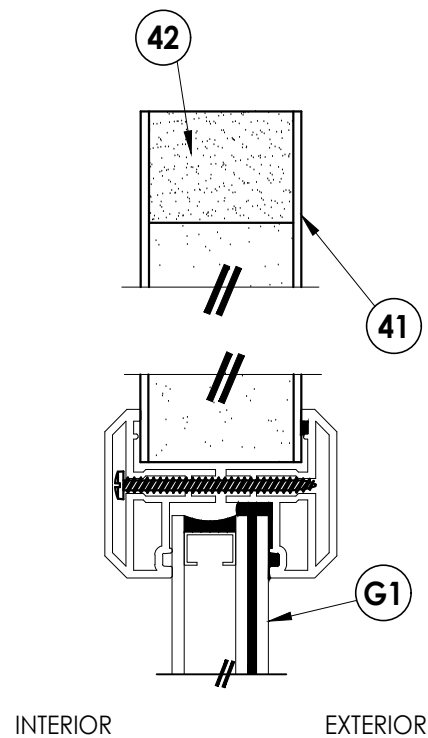
42 **TOP RAIL**
Cellular PVC



43 **LATCH & HINGE STILE**
Cellular PVC



47 **LATCH & HINGE STILE**
Reinforcement



2
3 **VERTICAL CROSS SECTION**

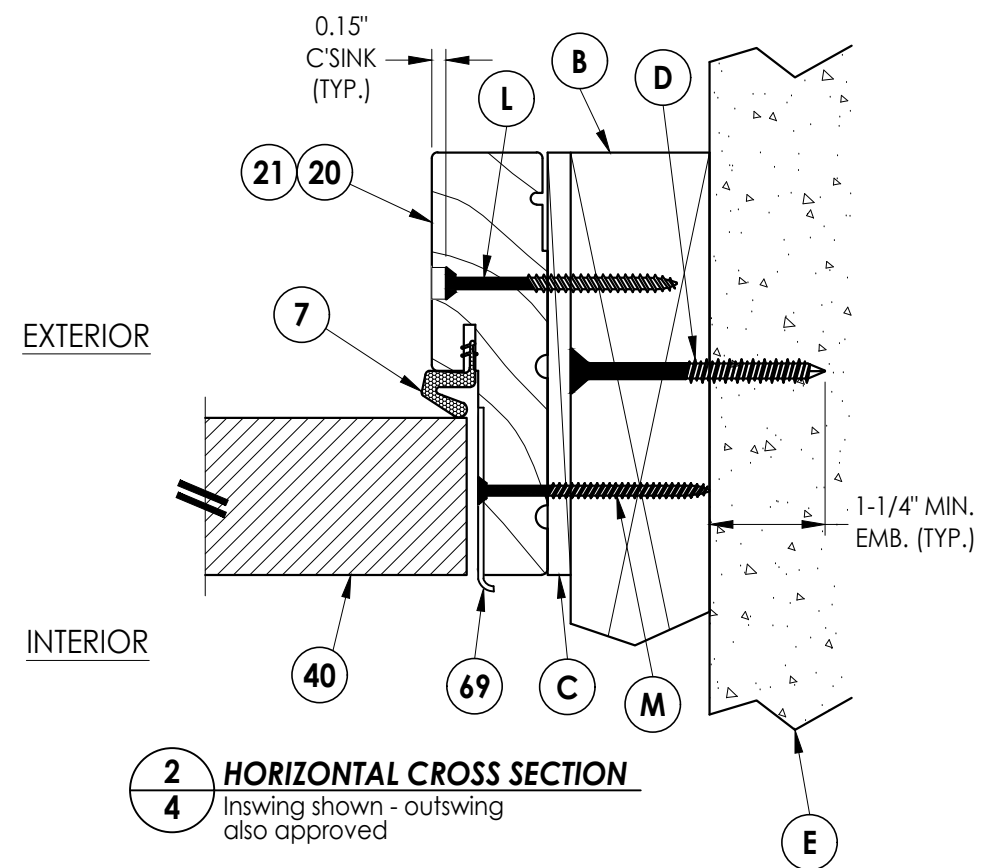
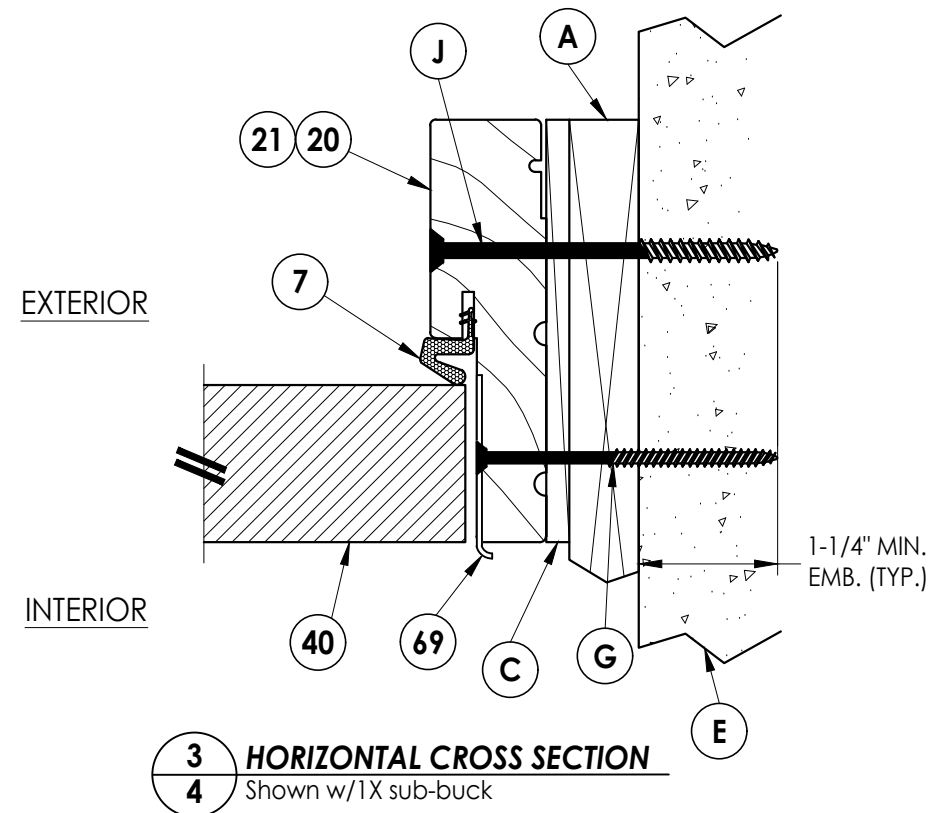
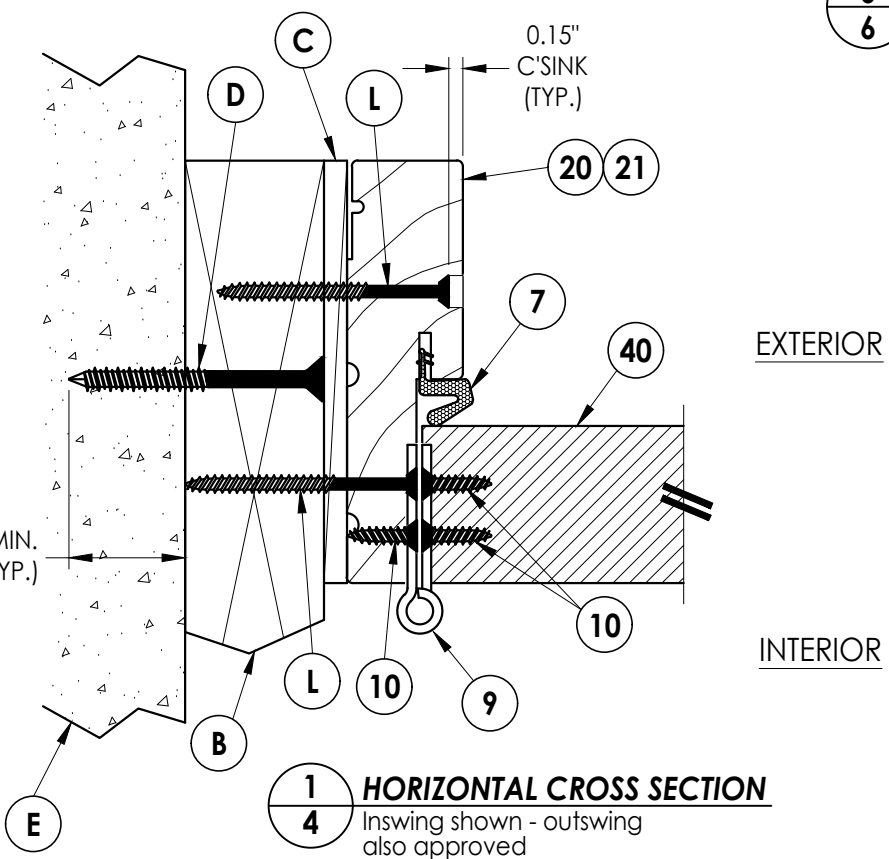
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

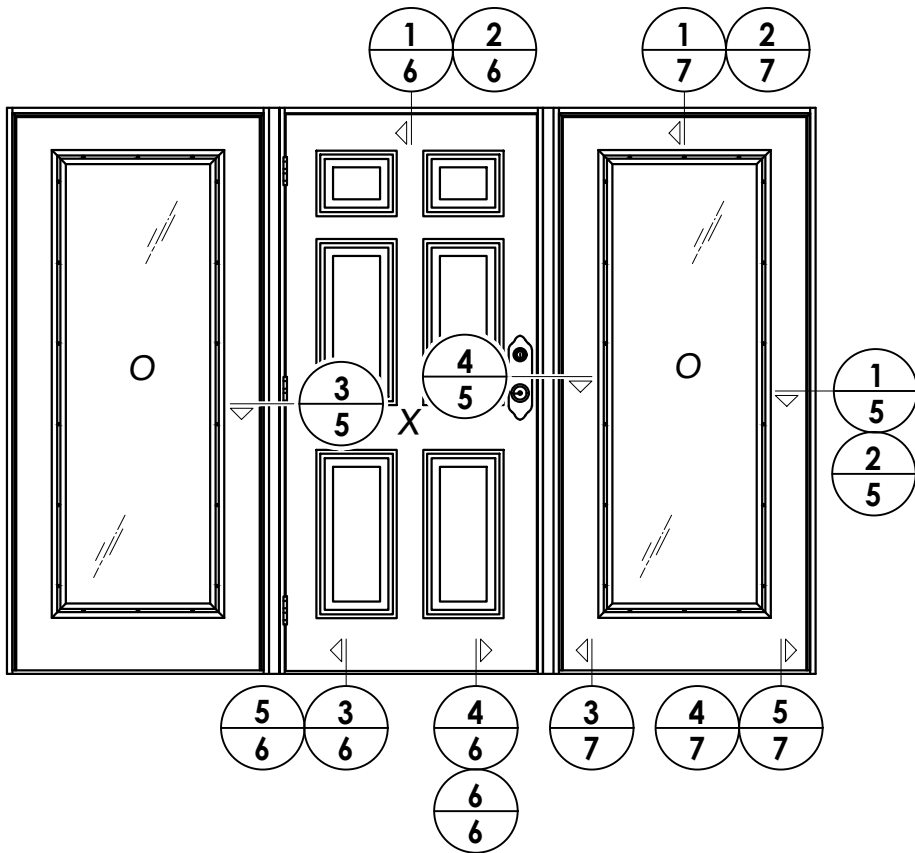
PART OR ASSEMBLY:
SIDELITE PANEL DETAILS
& GLAZING DETAIL

DATE:	8/25/14
SCALE:	N.T.S.
DWG. BY:	AL
CHK. BY:	LFS
DRAWING NO.:	FL-17184.17
SHEET	3 OF 12

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

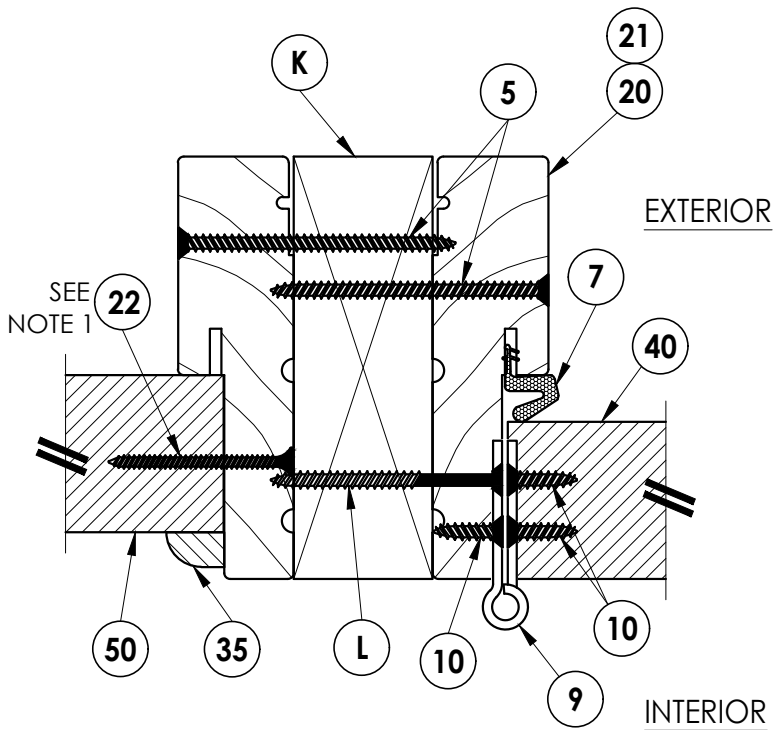
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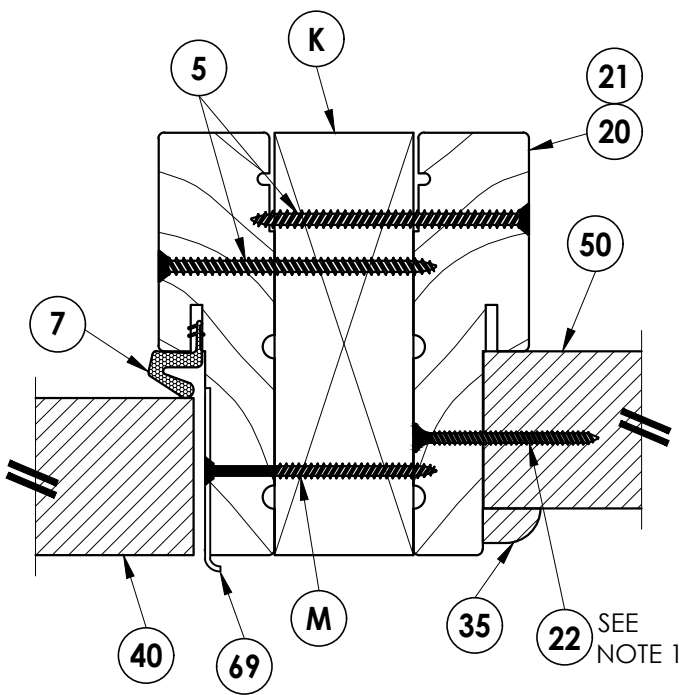


NOTE:

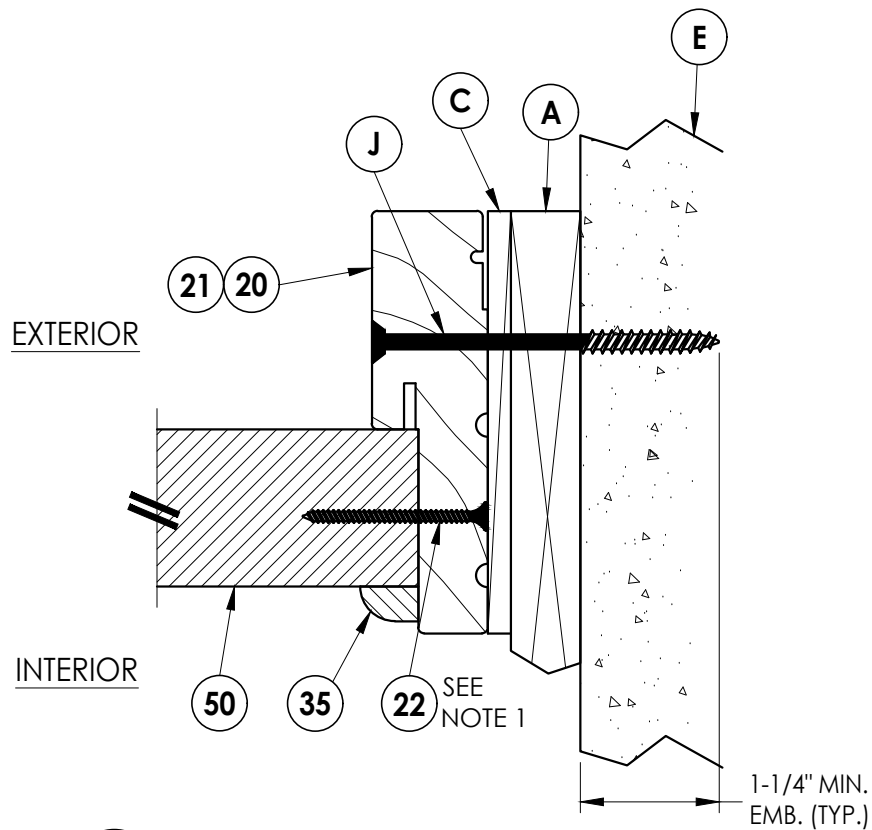
1. Sidelite screws (item #22) located at 3", 6", 16", 27", 38", 49", 60", 70" and 80" from bottom of panel.



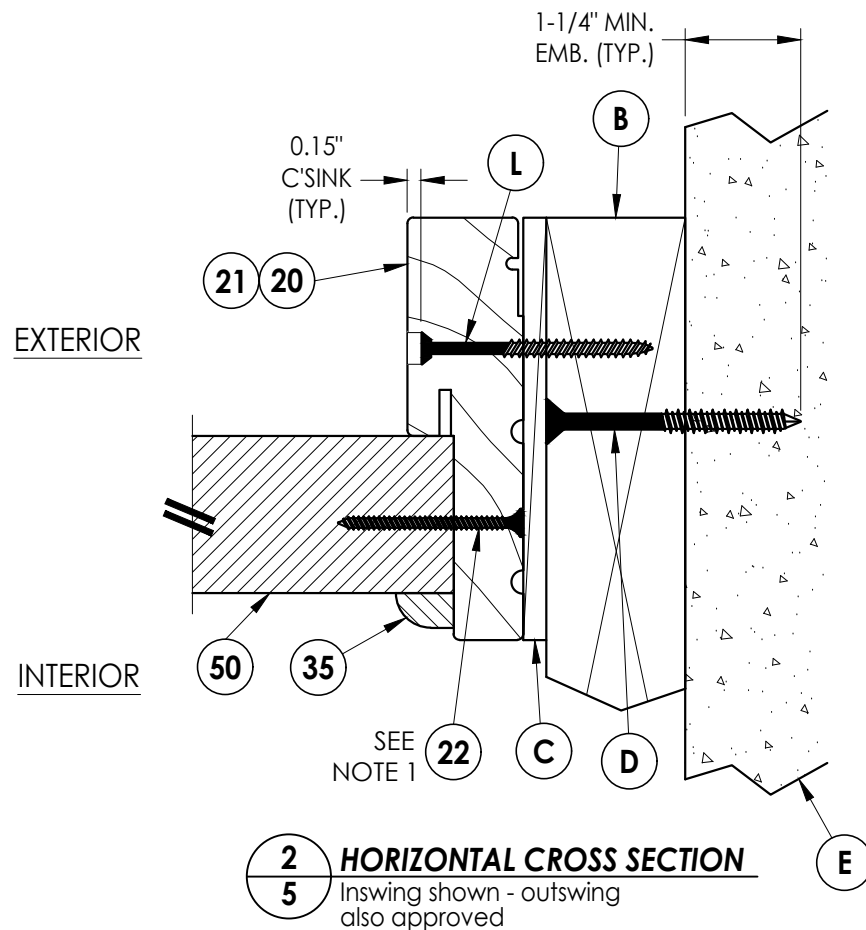
3
5 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing
also approved



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



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



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

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

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
6	7/02/26	UPDATE TO 9TH ED. (2026) FBC
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC
4	8/05/20	UPDATE TO 7TH ED. (2020) FBC
3		
2		
1		

DATE: 8/25/14

SCALE: N.T.S.

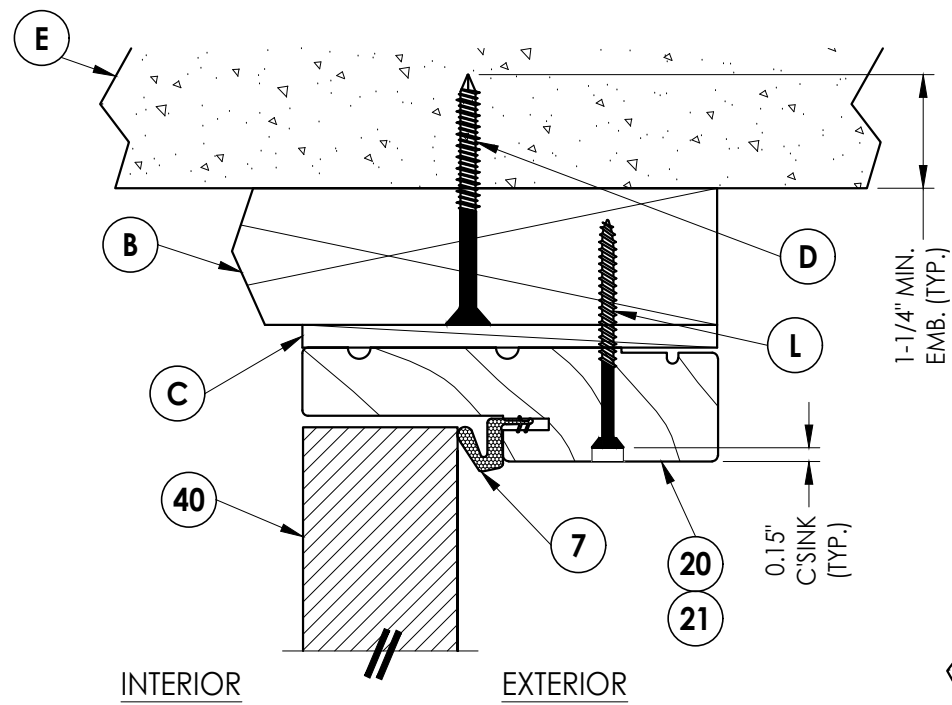
DWG. BY: AL

CHK. BY: LFS

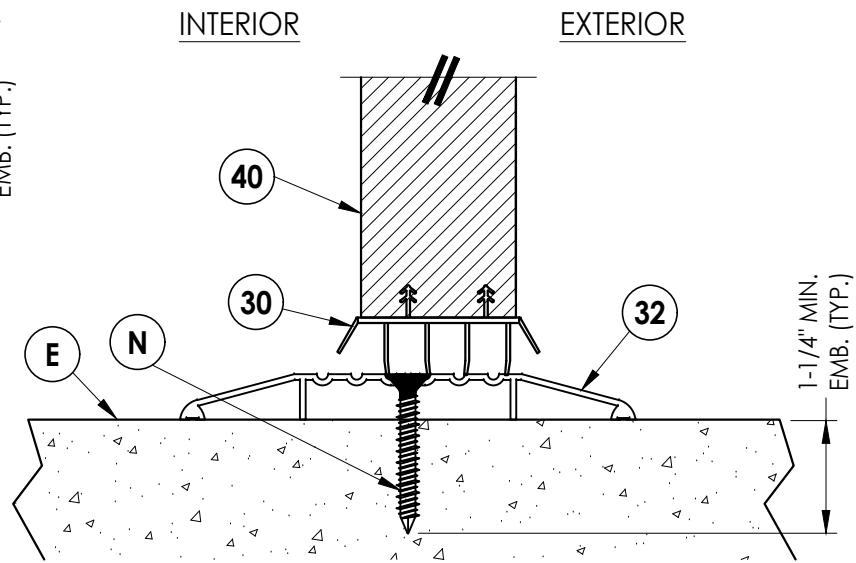
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FL-17184.17

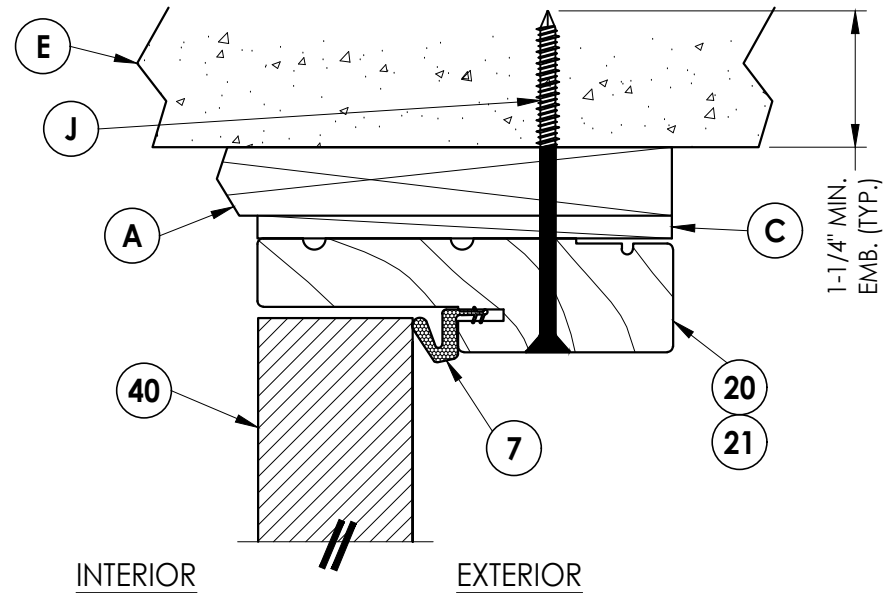
SHEET 5 OF 12



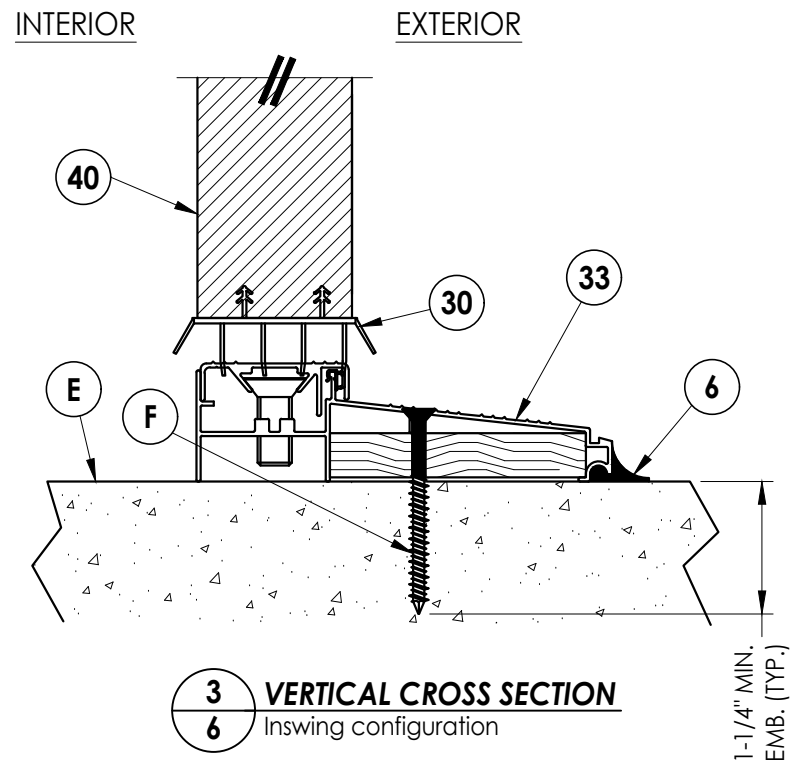
1
6 **VERTICAL CROSS SECTION**
Inswing shown - outswing
also approved



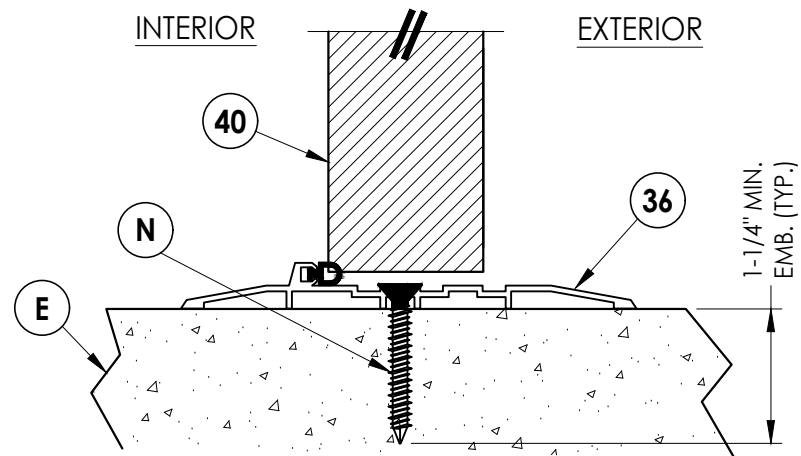
5
6 **VERTICAL CROSS SECTION**
Shown w/ ADA threshold



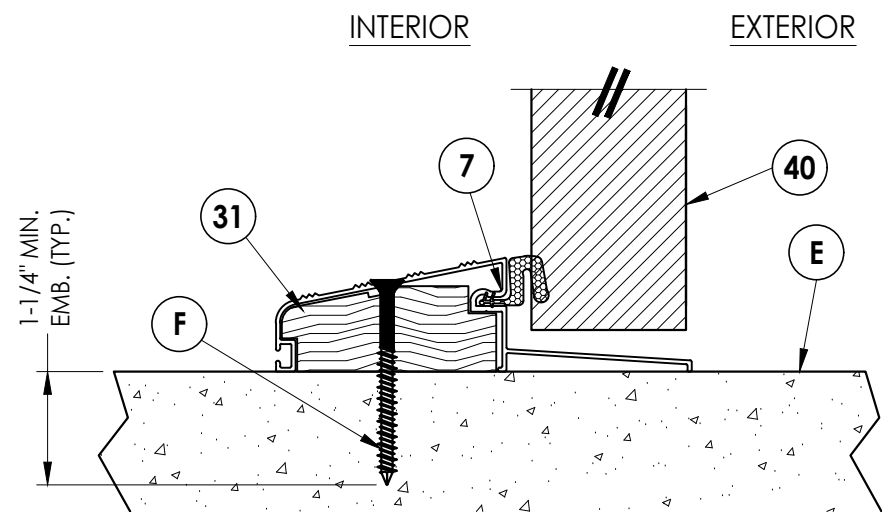
2
6 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck



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

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	BY
6	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC	LFS
4	8/05/20	UPDATE TO 7TH ED. (2020) FBC	DAC

DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AL

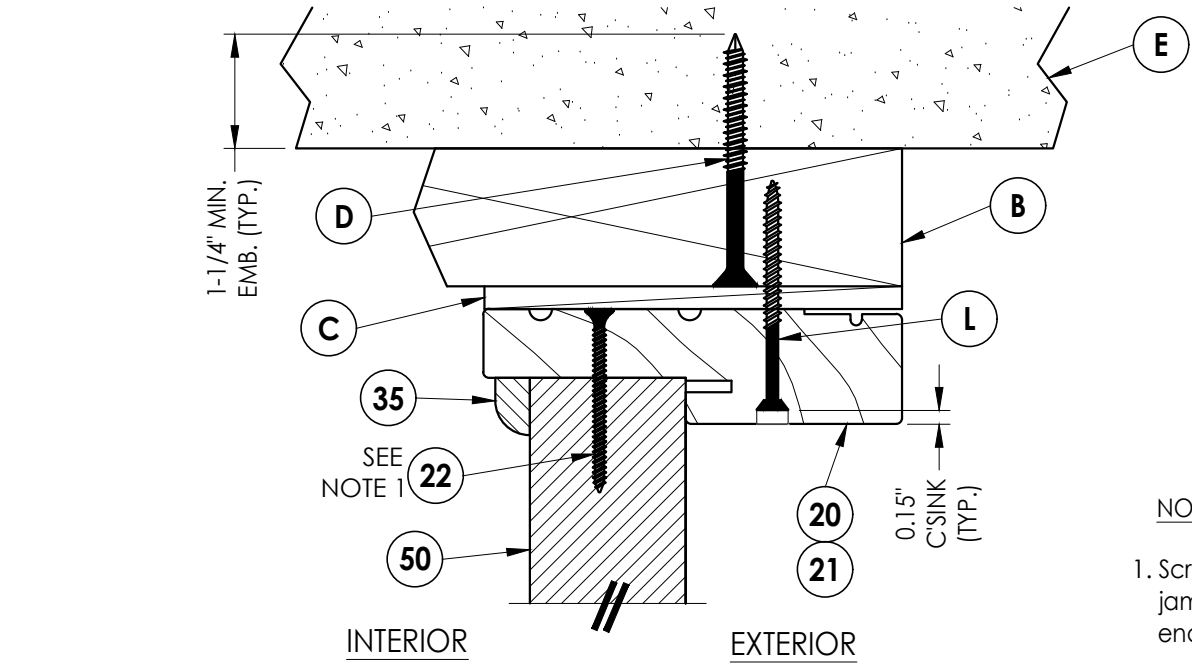
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DRAWING NO.:

FL-17184.17

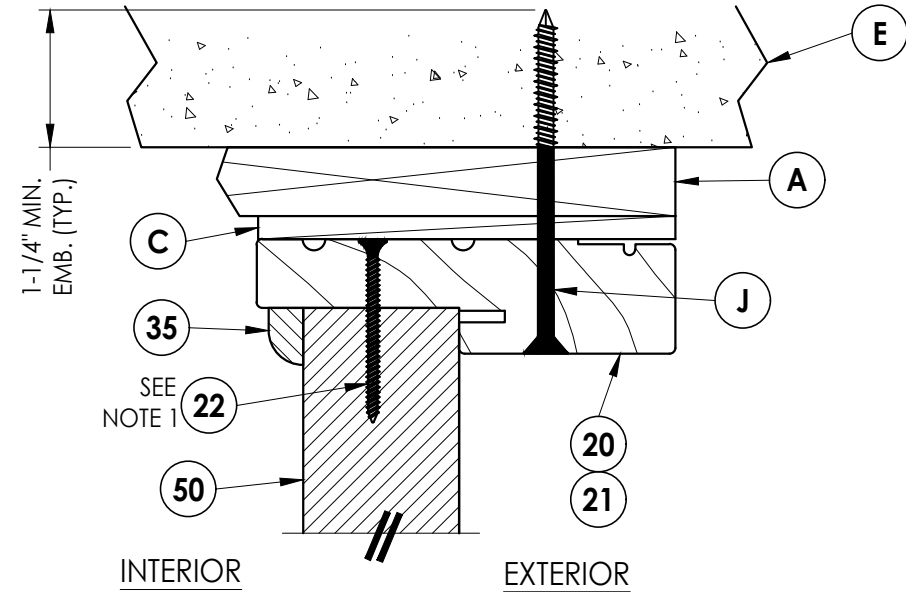
SHEET 6 OF 12

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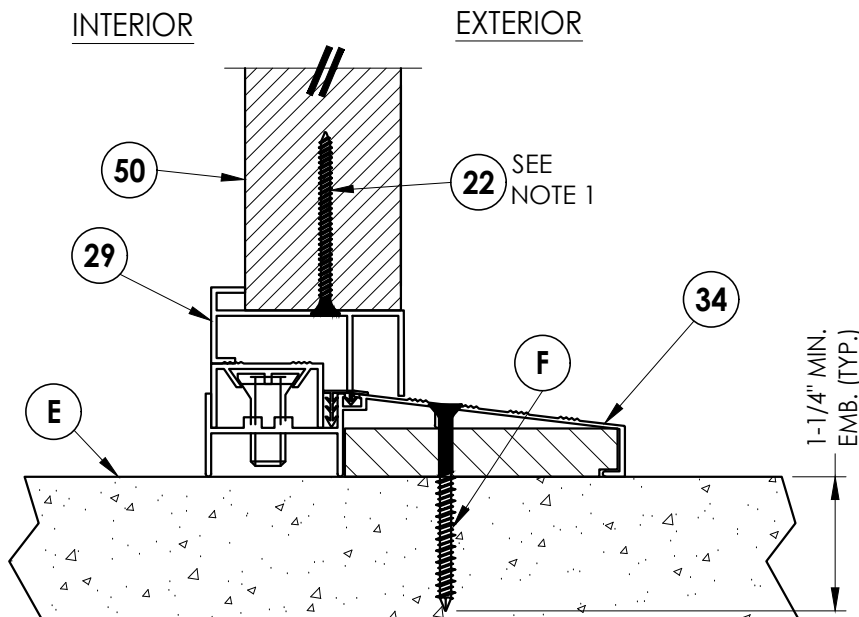


1
7 **VERTICAL CROSS SECTION**
Inswing shown - outswing
also approved

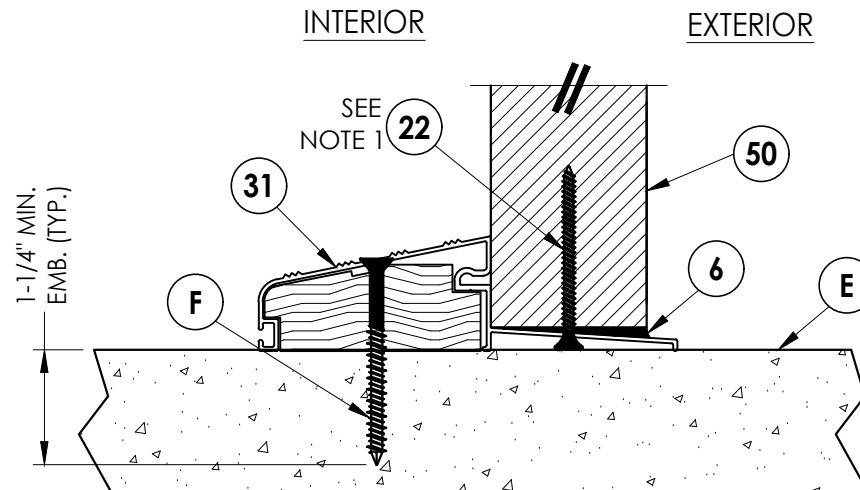
NOTE:
1. Screws thru head and sill
jamb located 3" from each
end and O.C. (TYP.) line.



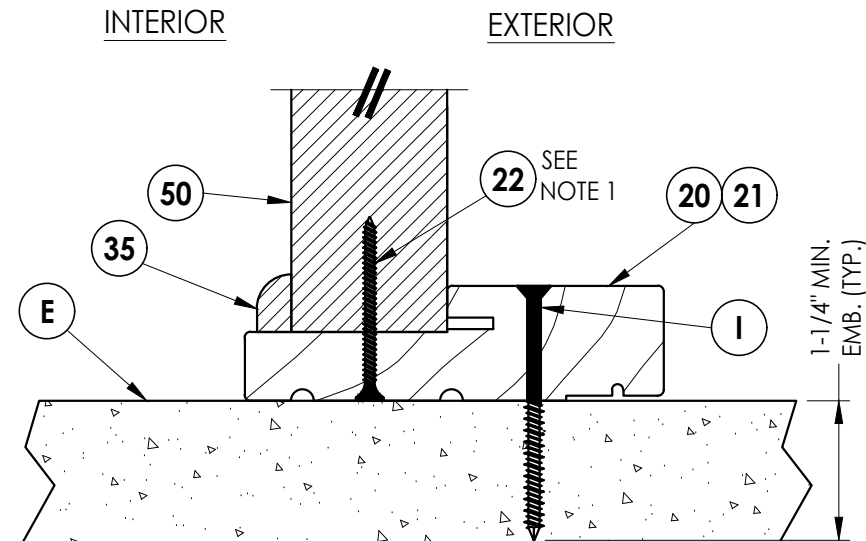
2
7 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck



3
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

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
6	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	8/05/20	UPDATE TO 7TH ED. (2020) FBC DAC

DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AL

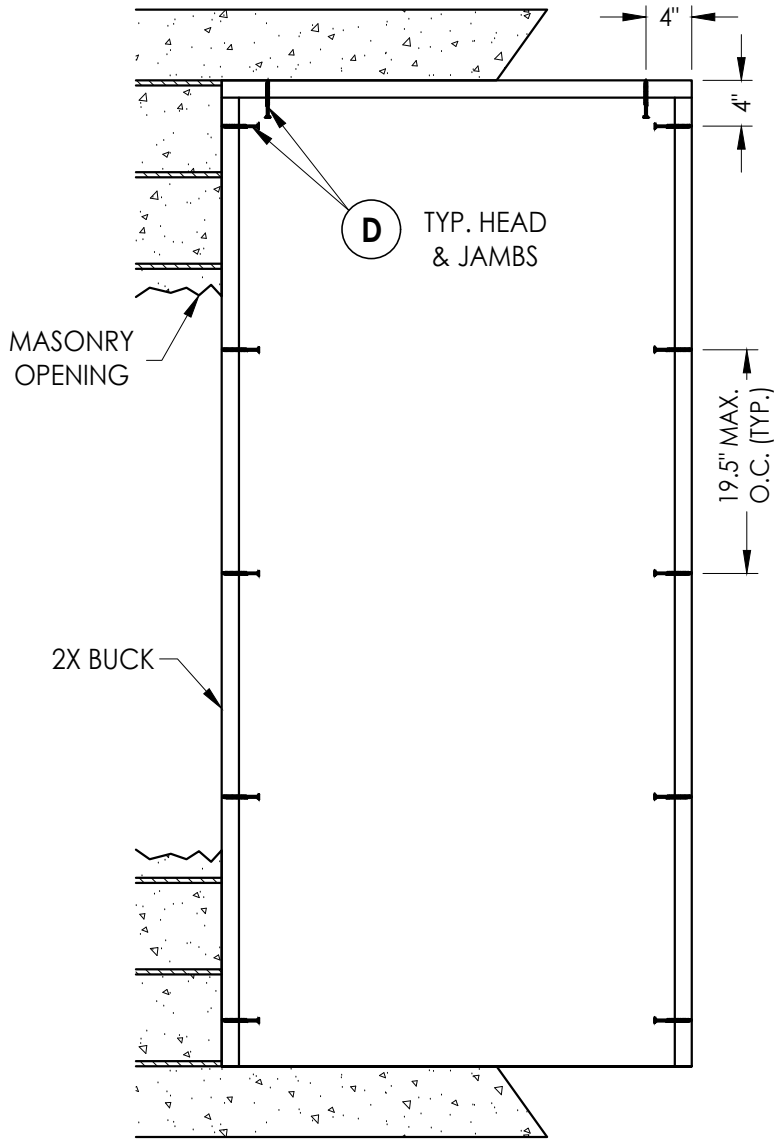
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DRAWING NO.:

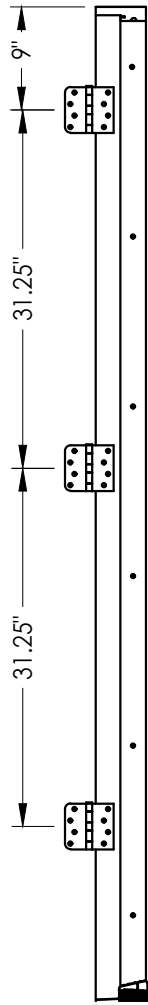
FL-17184.17

SHEET 7 OF 12

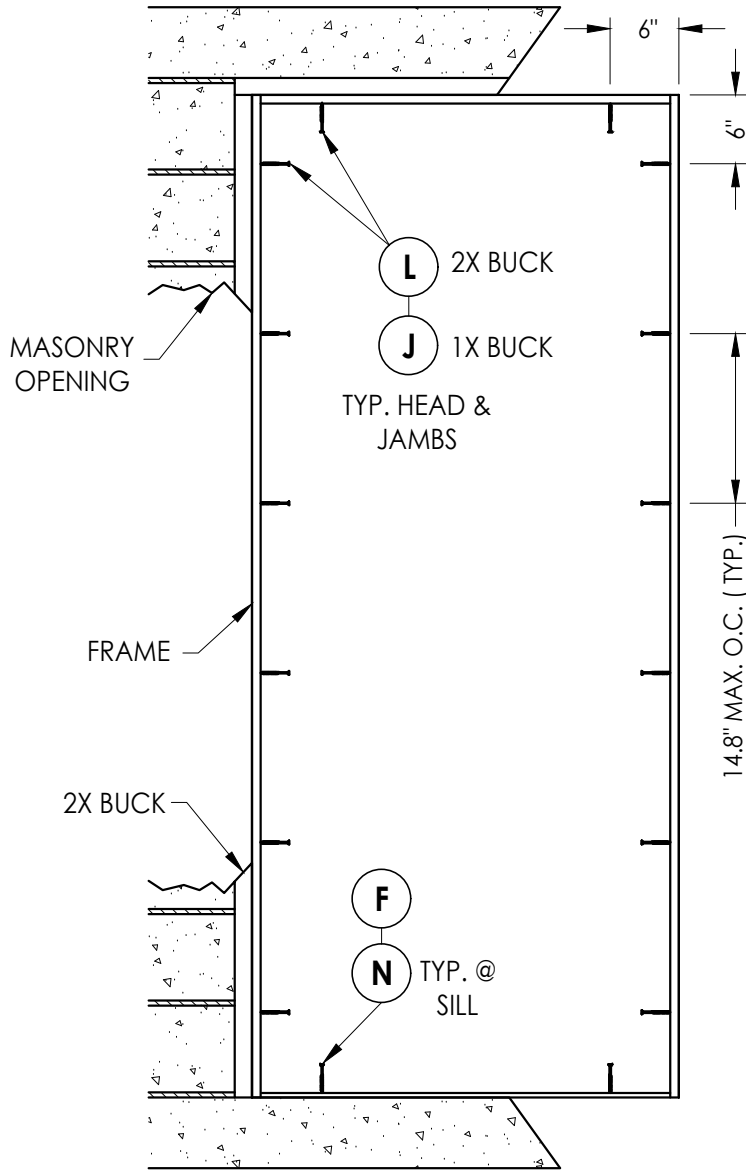
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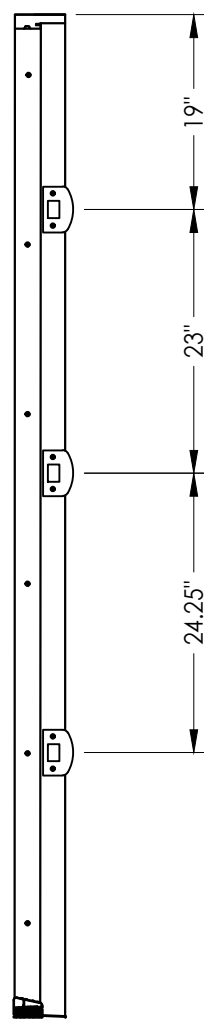
BUCK ANCHORING



HINGE JAMB



FRAME ANCHORING
Masonry construction



STRIKE JAMB

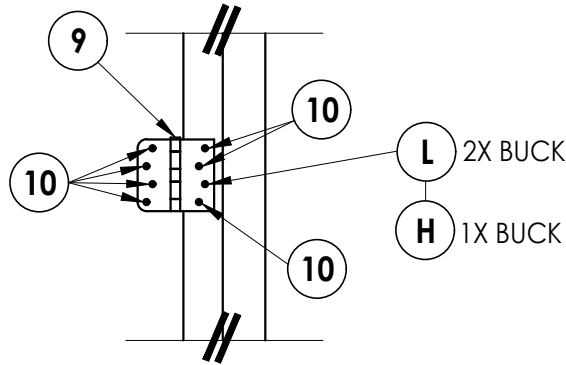
CONCRETE ANCHOR NOTES:

- 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:

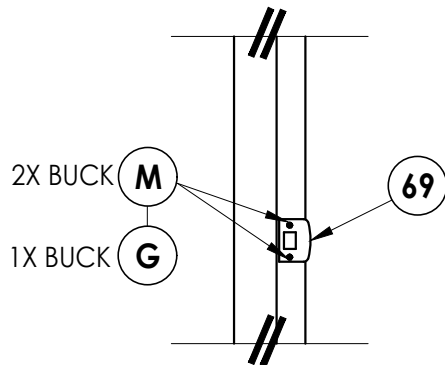
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA CON+®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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.



HINGE DETAIL



LATCH DETAIL

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:
BUCK AND FRAME ANCHORING
(X)

NO.	DATE	REVISIONS
6	7/02/26	UPDATE TO 9TH ED. (2026) FBC
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC
4	8/05/20	UPDATE TO 7TH ED. (2020) FBC

DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AL

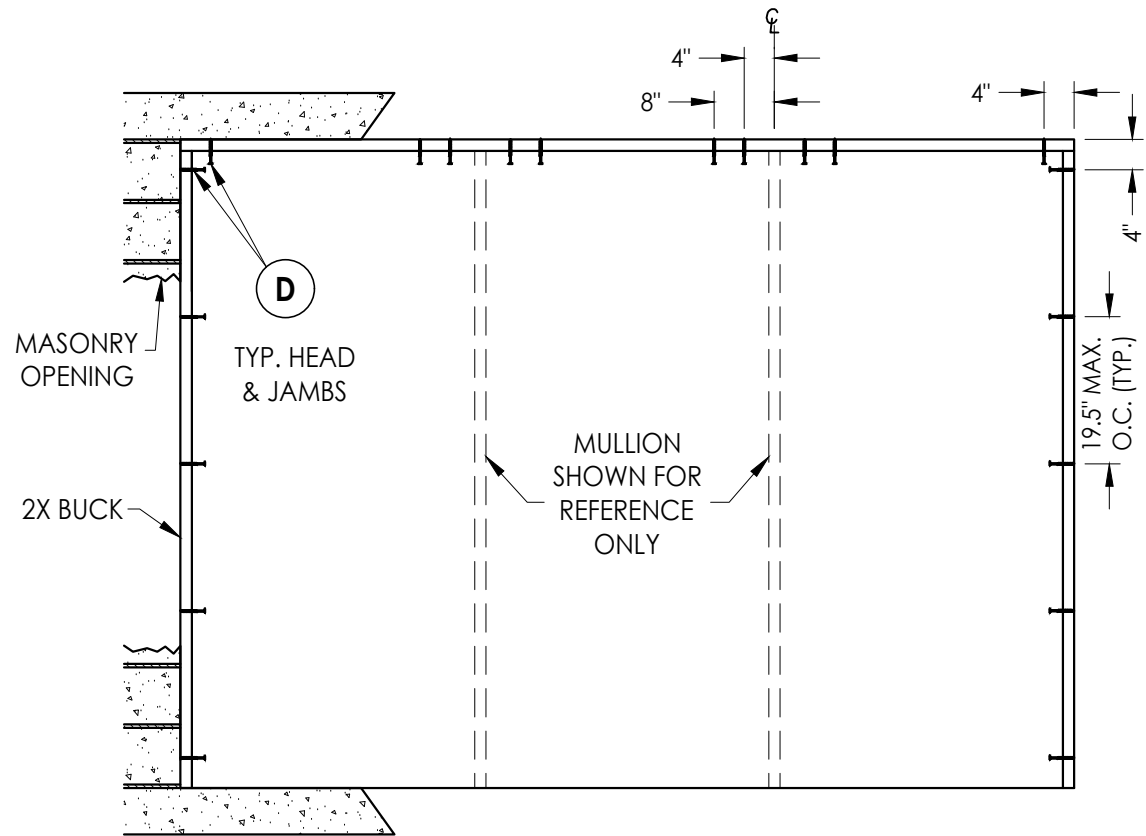
CHK. BY: LFS

DRAWING NO.:

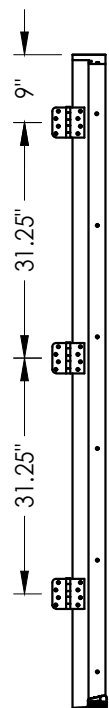
FL-17184.17

SHEET 8 OF 12

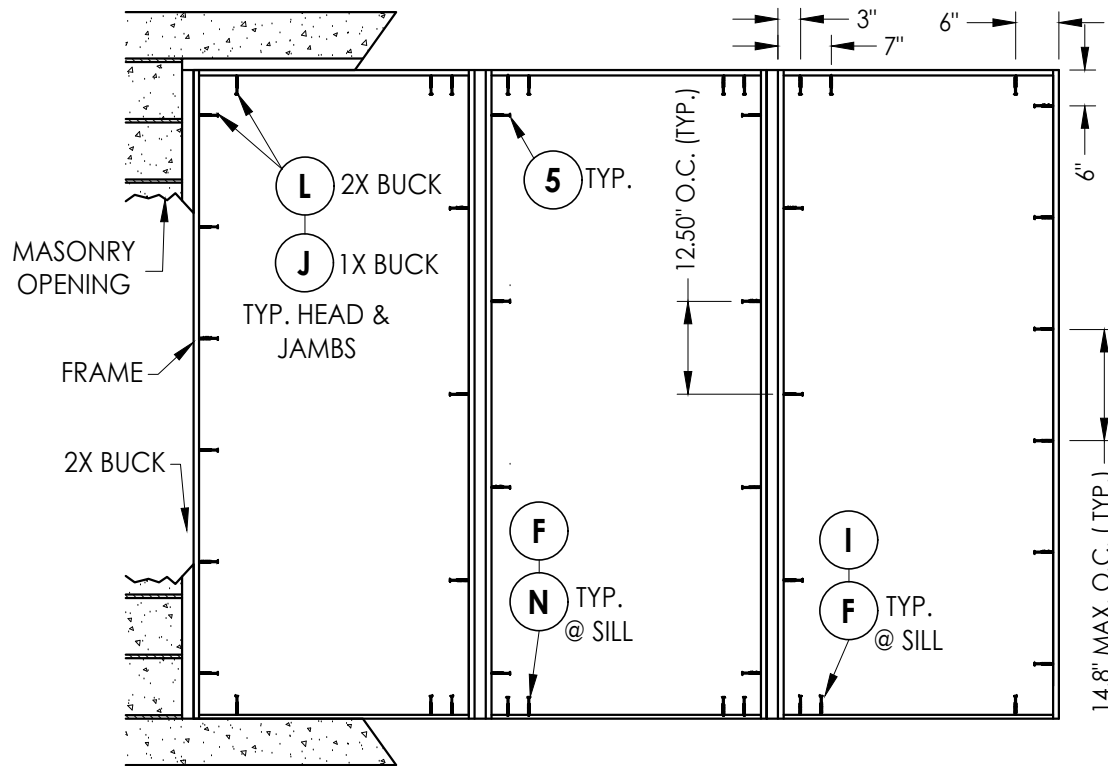
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-17184 R11\FL-17184.17-18.dwg



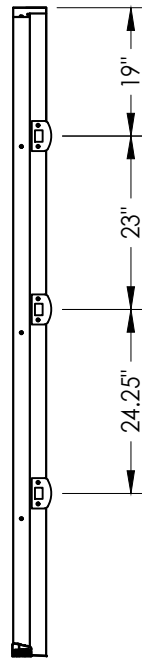
BUCK ANCHORING



HINGE JAMB



FRAME ANCHORING
Masonry construction

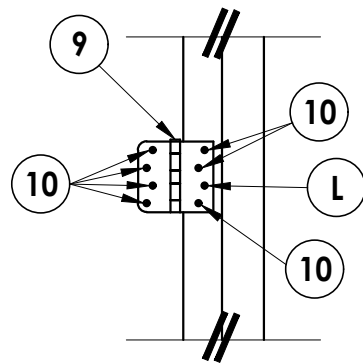


STRIKE JAMB

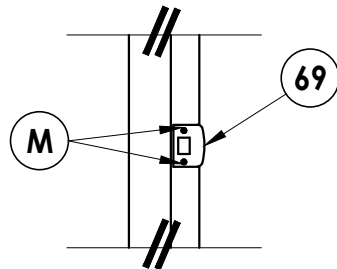
CONCRETE ANCHOR NOTES:

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- Concrete anchor locations noted as "MAX. O.C. (TYP.)" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. O.C. (TYP.)" dimension are not exceeded.
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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"



HINGE DETAIL



LATCH DETAIL

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

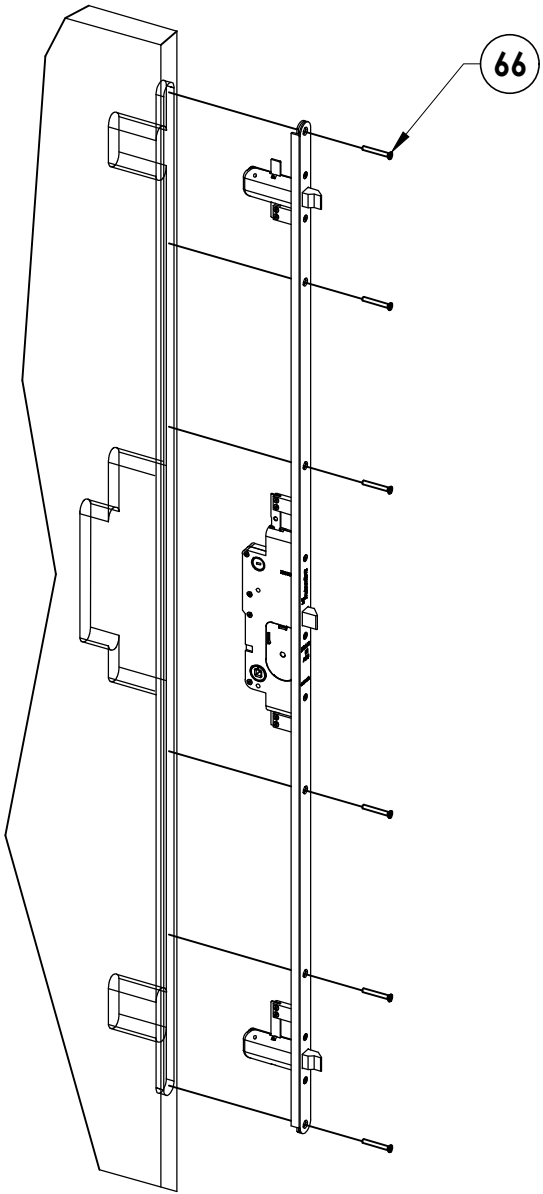
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
(OXO)

DATE: 8/25/14
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-17184.17
SHEET 10 OF 12

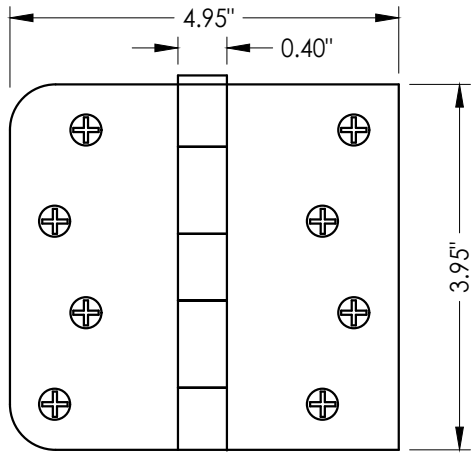
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-17184 R11\FL-17184.17-18.dwg

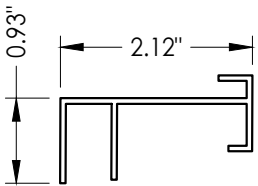


65 **MULTI-POINT LOCK**
Trilennium by Endura

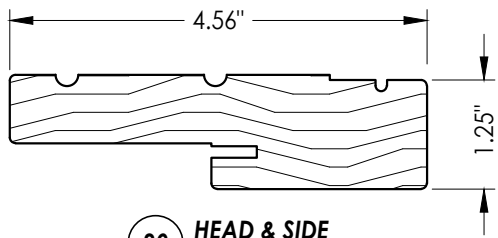
66



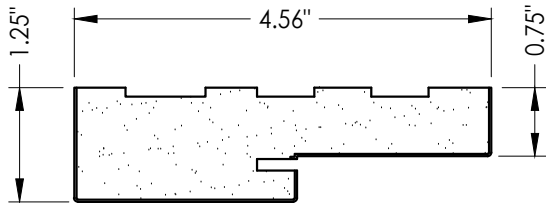
9 **HINGE**



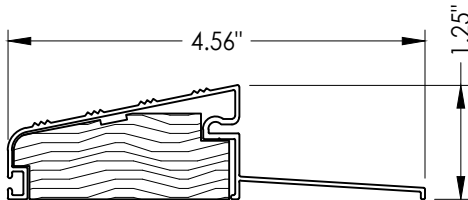
29 **SIDELITE SPACER**
ISSLB



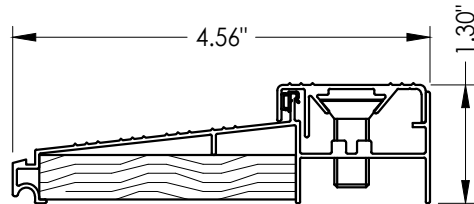
20 **HEAD & SIDE**
Jamb



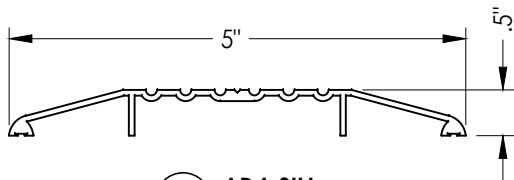
21 **HEAD & SIDE**
Poly fiber jamb



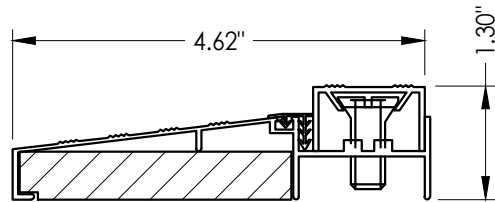
31 **OUTSWING THRESHOLD**
QOSH



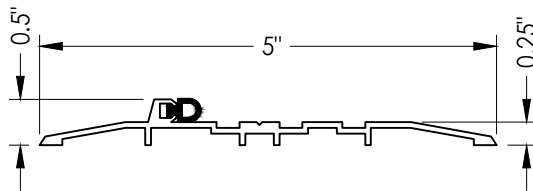
33 **INSWING THRESHOLD**
ISCS



32 **ADA SILL**
ISHC



34 **SIDELITE THRESHOLD**
ISH/ EIS



36 **OUTSWING ADA BUMP THRESHOLD**
OSHC

PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY:		MULTI-POINT LOCK DETAILS & COMPONENTS

NO.	DATE	REVISIONS
6	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	8/05/20	UPDATE TO 7TH ED. (2020) FBC DAC
		BY

DATE:	8/25/14
SCALE:	N.T.S.
DWG. BY:	AL
CHK. BY:	LFS
DRAWING NO.:	FL-17184.17
SHEET	11 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

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	ALUMINUM
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	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	-
65	MULTI-POINT LOCK ASSEMBLY TRILENNIUM BY ENDURA	-
66	#10 X 1-1/2" PFH SCREW	ALUMINUM
69	MULTI-POINT STRIKE PLATE	ALUMINUM

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

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: BILL OF MATERIALS	
6	7/02/26	UPDATE TO 9TH ED. (2026)	FBC LFS
5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC LFS
4	8/05/20	UPDATE TO 7TH ED. (2020)	FBC DAC
NO.	DATE		BY
			REVISIONS
DATE: 8/25/14			
SCALE: N.T.S.			
DWG. BY:		AL	
CHK. BY:		LFS	
DRAWING NO.: FL-17184.17			
SHEET 12		OF 12	