



A circular professional engineer seal for the State of Florida. The outer ring contains the text "L.F. SCHMIDT" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top, "No. 43409" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars. The seal has a decorative border of short radial lines. A handwritten signature "L.F. Schmidt" is written across the right side of the seal.

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.

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

98" MAX. OVERALL FRAME HEIGHT
- INSWING -

96" MAX. OVERALL FRAME HEIGHT
- OUTSWING -

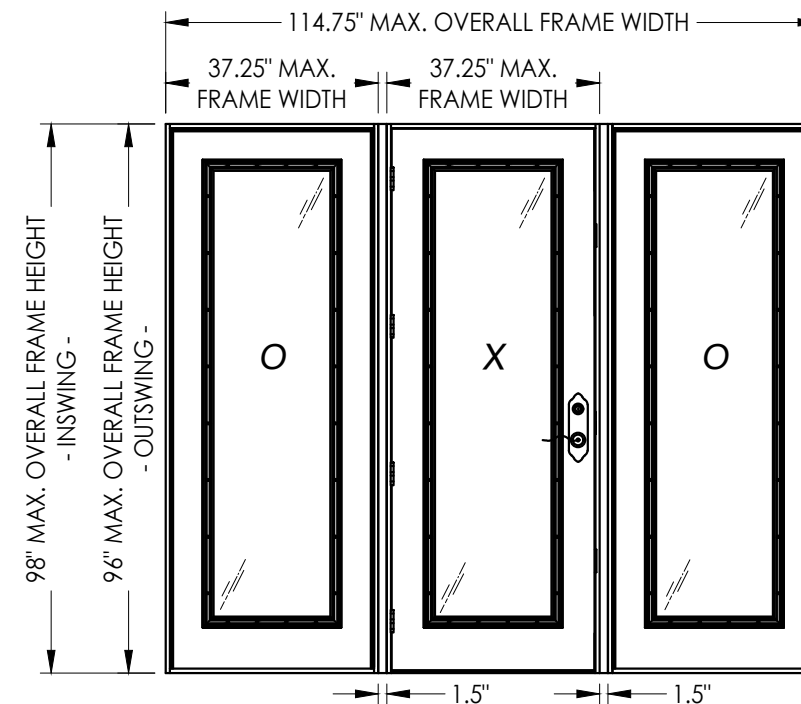
37.25" MAX.
FRAME WIDTH

76" MAX. OVERALL FRAME WIDTH +

37.25" MAX.
FRAME WIDTH

37.25" MAX.
FRAME WIDTH

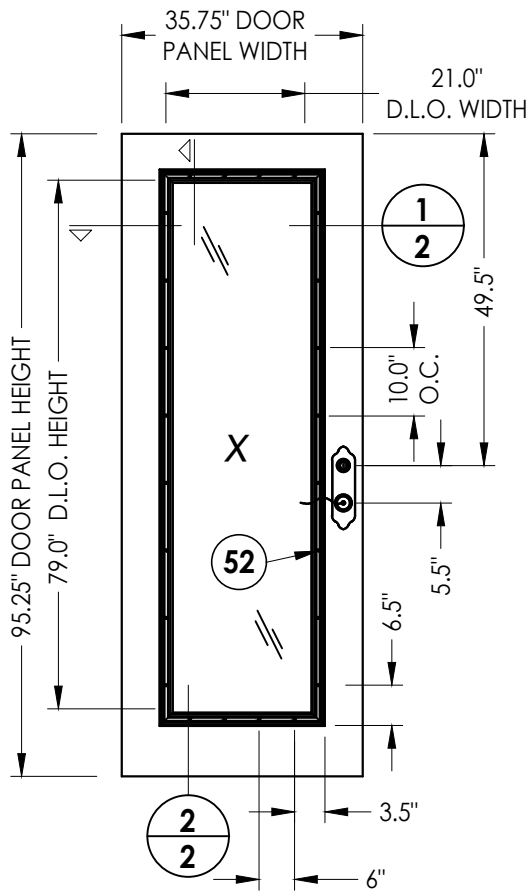
1.5"



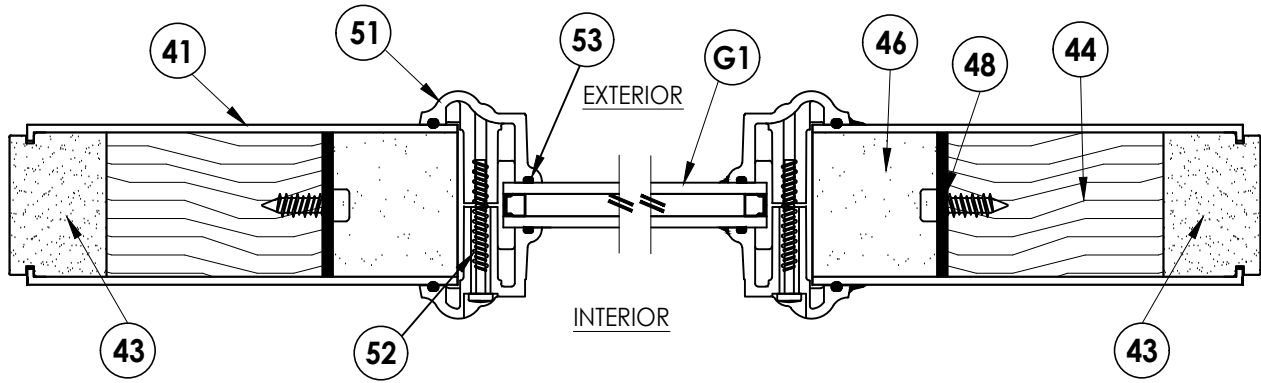
CONFIGURATION	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.25" x 98.0"	21.0" x 79.0"	+45.0	-45.0	+45.0	-45.0
OX / XO	76.0" x 98.0"	21.0" x 79.0"	+45.0	-45.0	+45.0	-45.0
OXO	114.75" x 98.0"	21.0" x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

DATE: 8/25/14					
SCALE: N.T.S.					
DWG. BY: AP					
CHK. BY: LFS					
DRAWING NO.: FL-17184.19					
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
PRODUCT:					
PLASTPRO INC. FIBERGLASS DOOR					
PART OR ASSEMBLY:					
TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES					
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					
SHEET 1 OF 12					

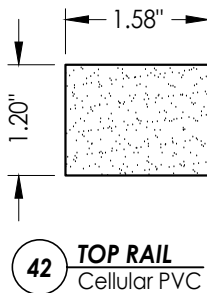
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-17184 R11\FL-17184.19-20.dwg



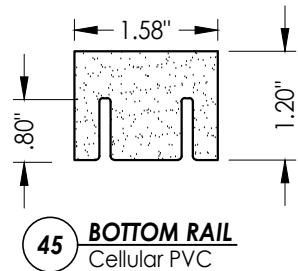
40 DOOR PANEL



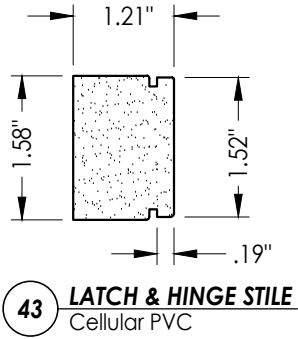
1 HORIZONTAL CROSS SECTION



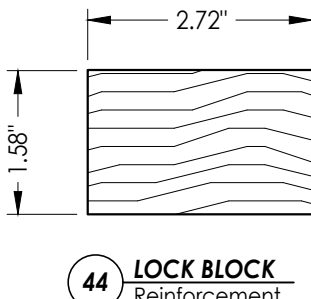
42 TOP RAIL
Cellular PVC



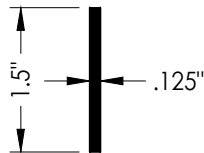
45 BOTTOM RAIL
Cellular PVC



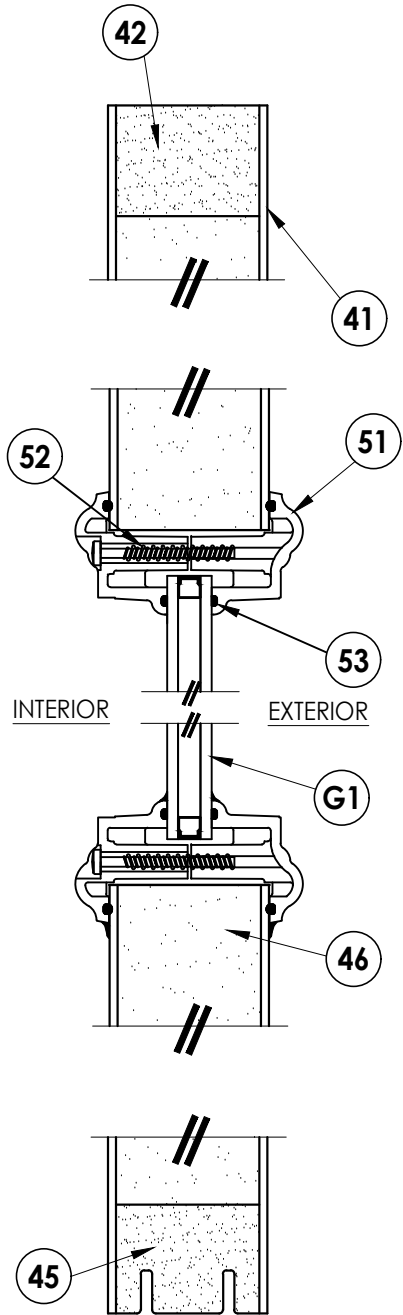
43 LATCH & HINGE STILE
Cellular PVC



44 LOCK BLOCK
Reinforcement



48 STEEL REINFORCEMENT BAR
w/ Nylon Screw



2 VERTICAL CROSS SECTION

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:
DOOR PANEL DETAILS

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: AP

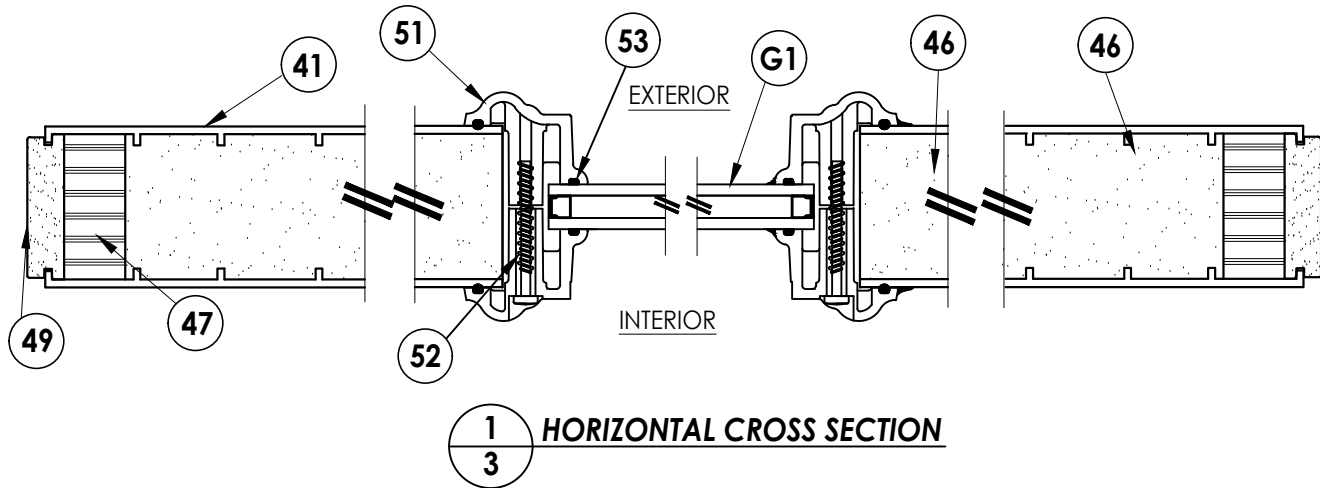
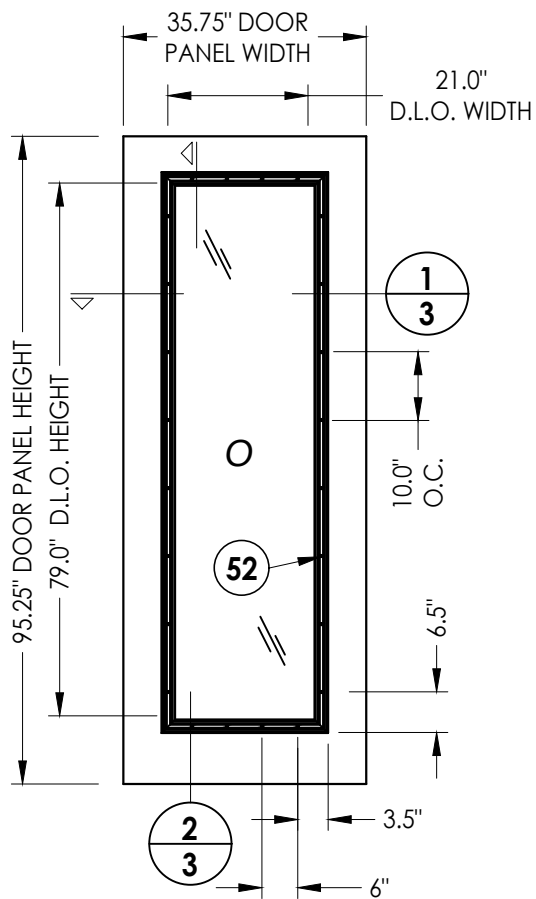
CHK. BY: LFS

DRAWING NO.:

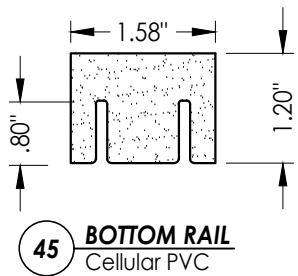
FL-17184.19

SHEET 2 OF 12

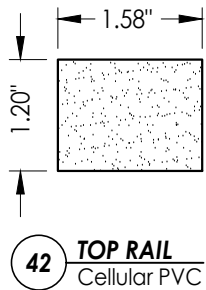
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-17184 R11\FL-17184.19-20.dwg



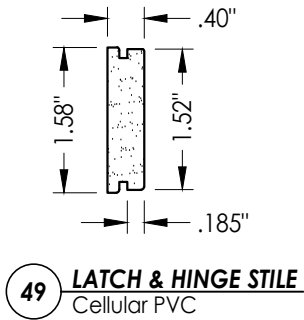
1
3 HORIZONTAL CROSS SECTION



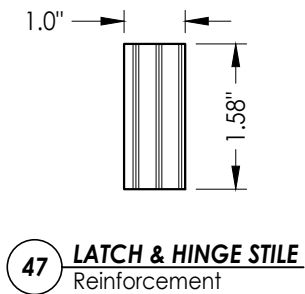
45 BOTTOM RAIL
Cellular PVC



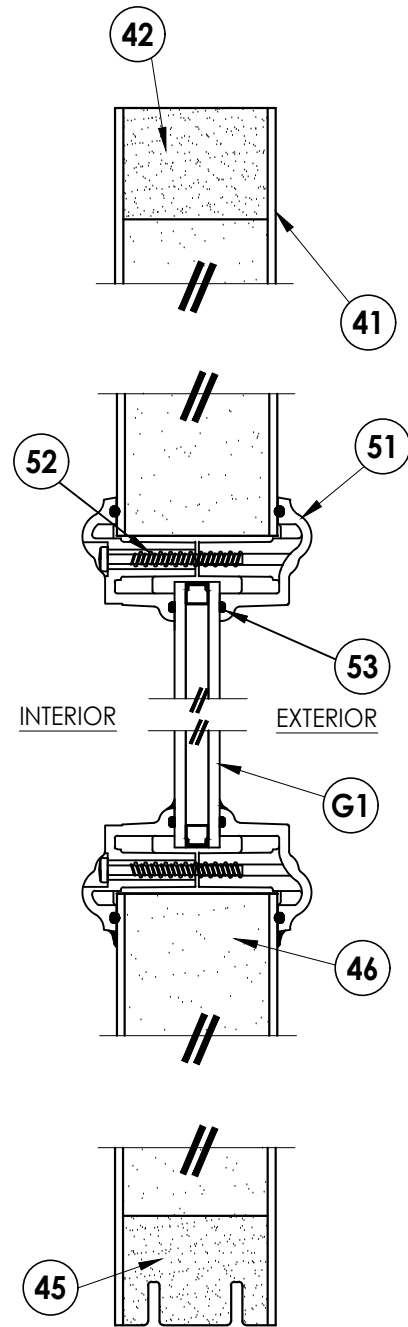
42 TOP RAIL
Cellular PVC



49 LATCH & HINGE STILE
Cellular PVC



47 LATCH & HINGE STILE
Reinforcement



2
3 VERTICAL CROSS SECTION

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:
SIDELITE PANEL DETAILS

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
3		
2		
1		

DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AP

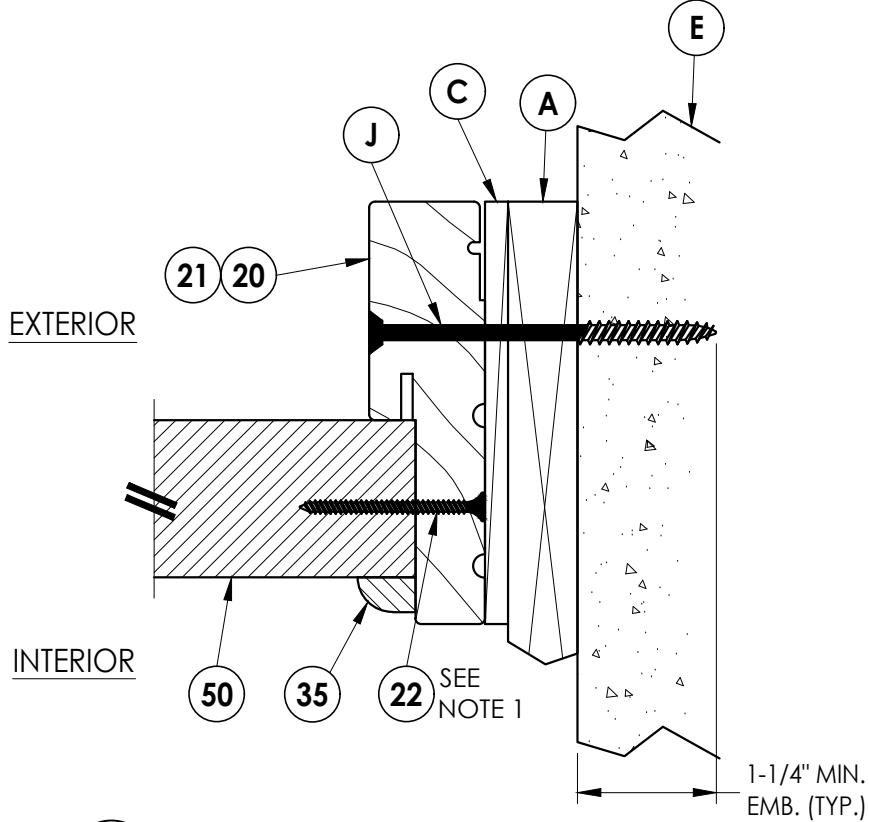
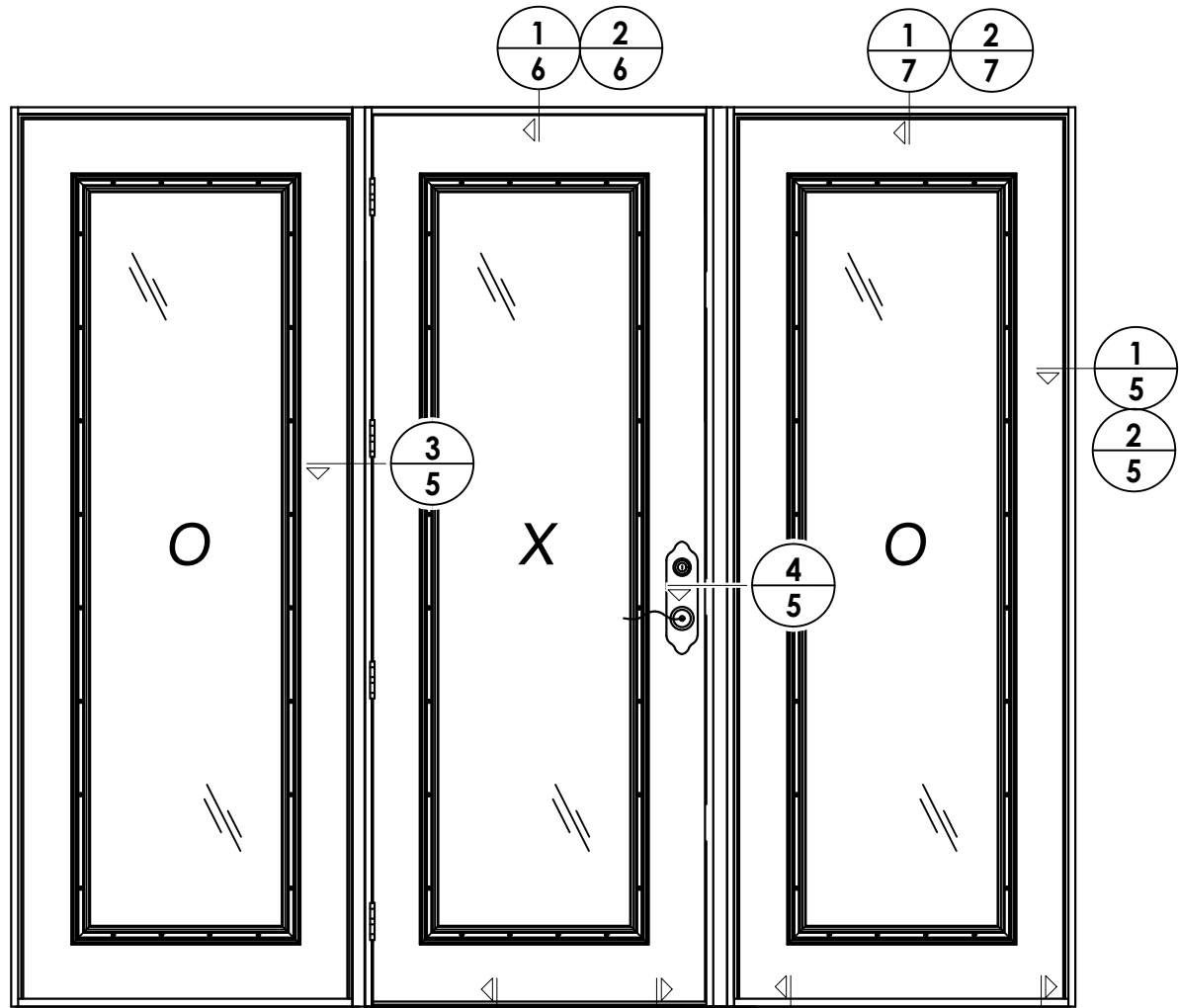
CHK. BY: LFS

DRAWING NO.:

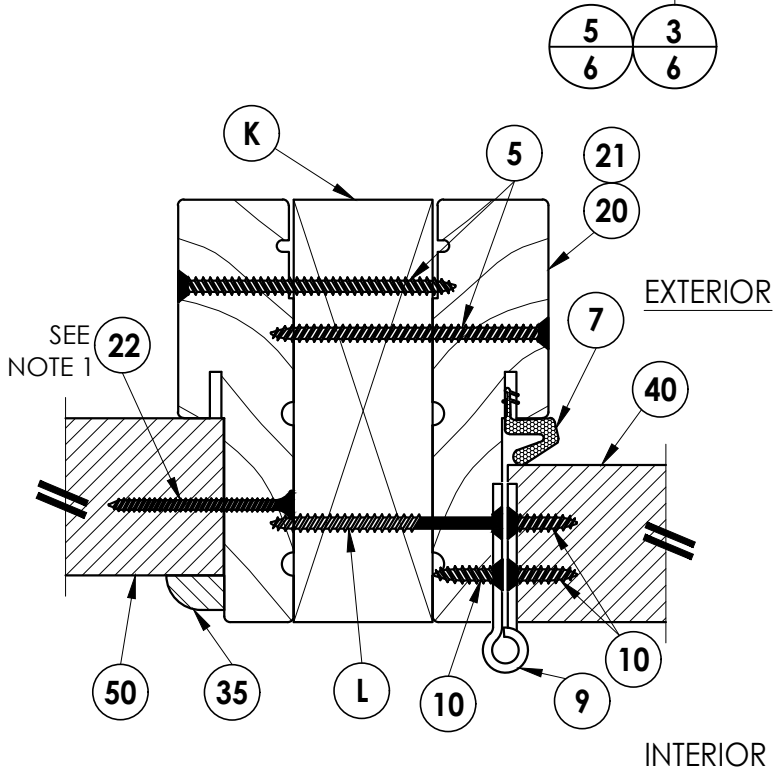
FL-17184.19

SHEET 3 OF 12

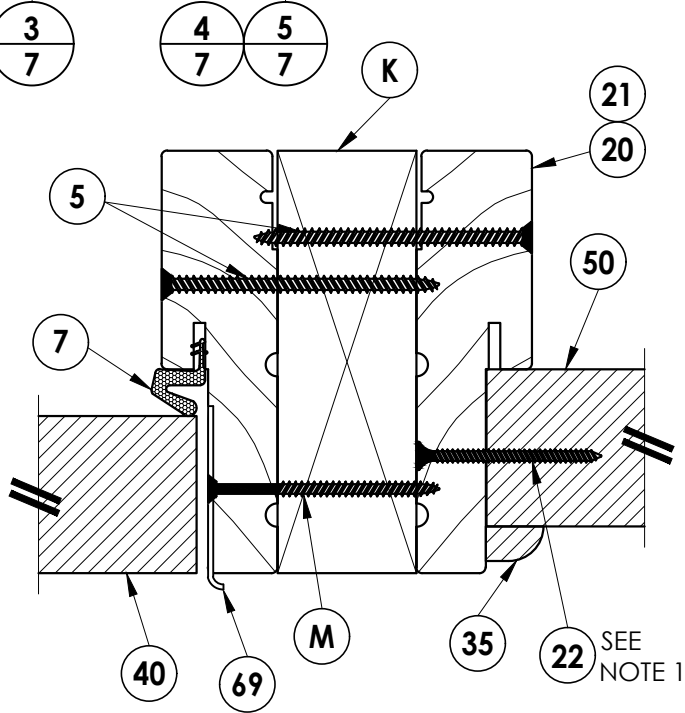
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-17184 R11\FL-17184.19-20.dwg



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



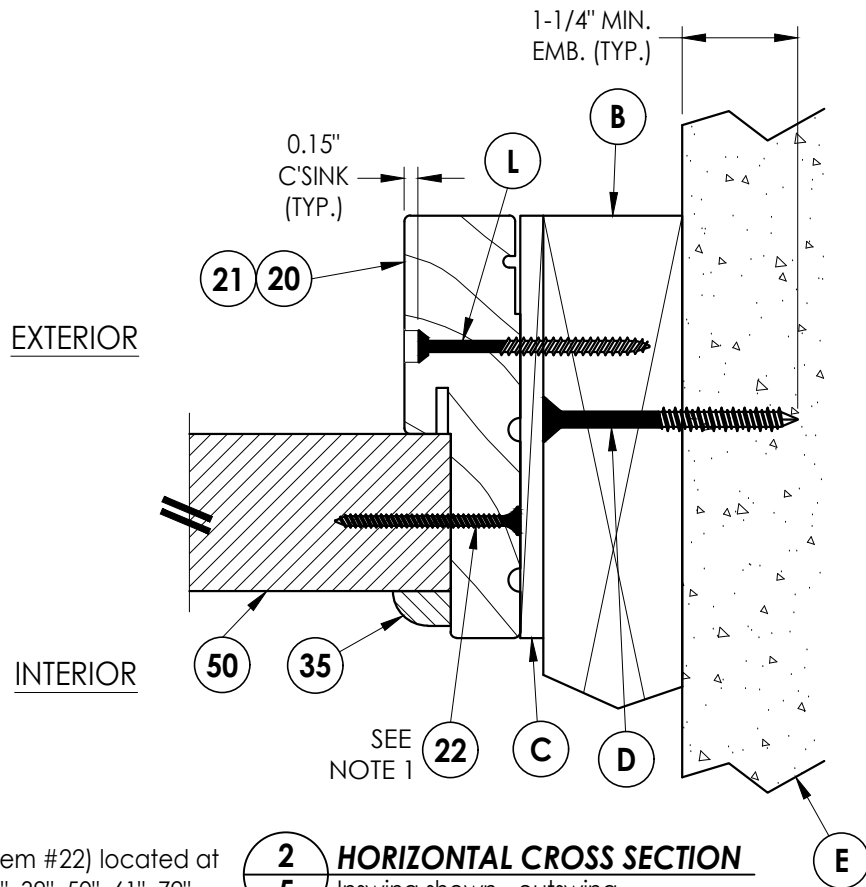
3
5 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing
also approved



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

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

REVISIONS		NO.	DATE	BY
		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.

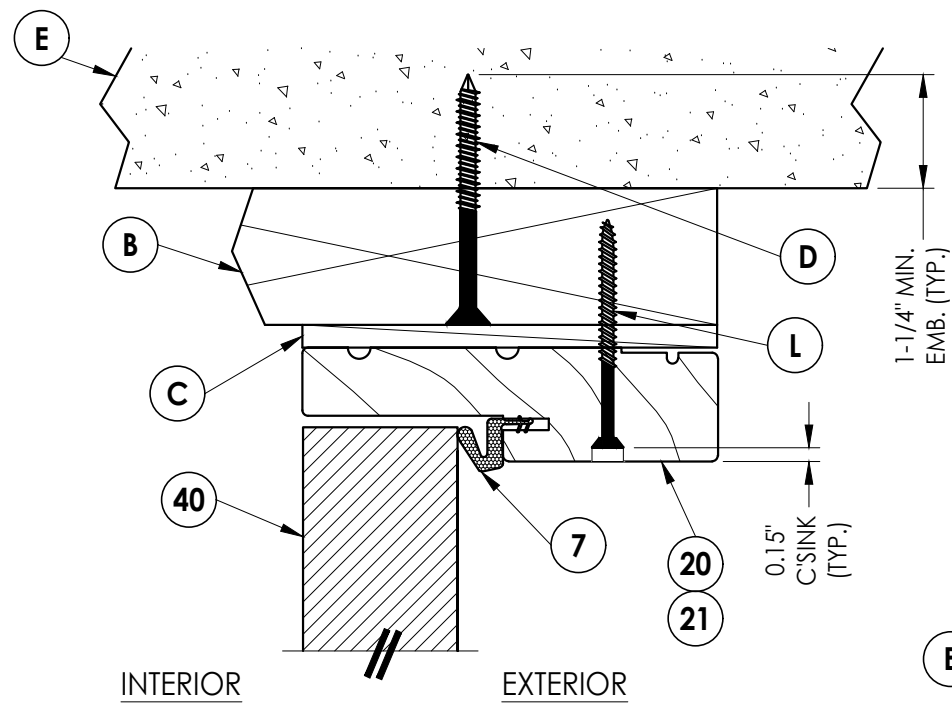
DWG. BY: AP

CHK. BY: LFS

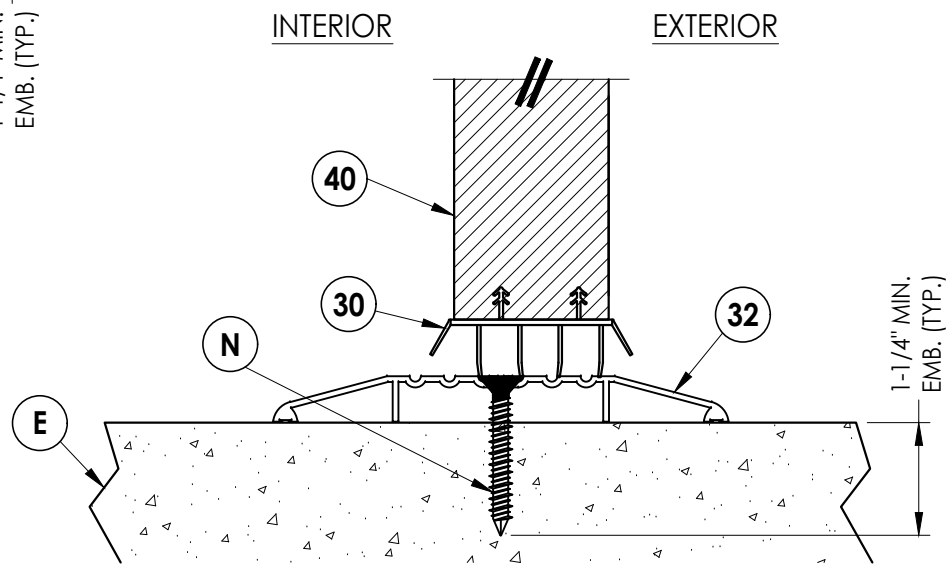
DRAWING NO.: FL-17184.19

SHEET 5 OF 12

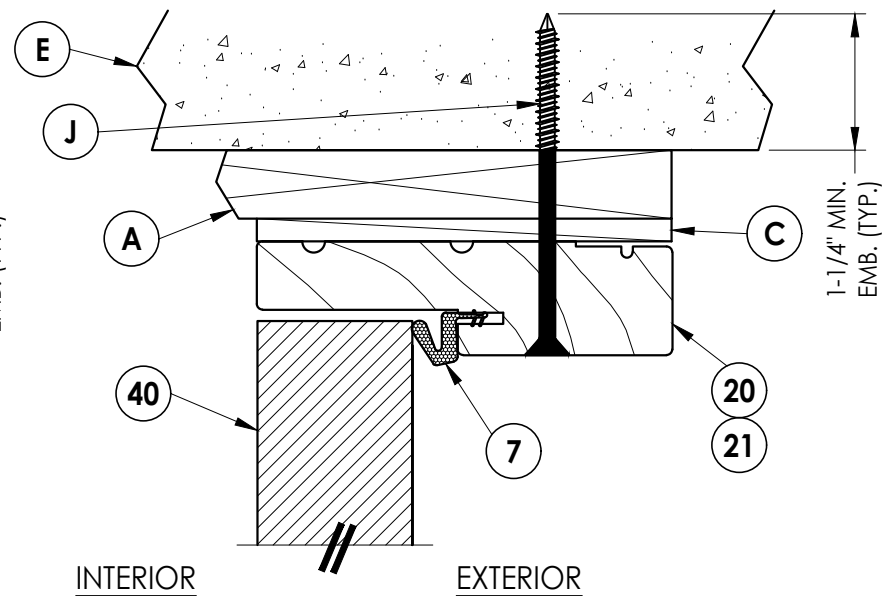
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-17184 R11\FL-17184.19-20.dwg



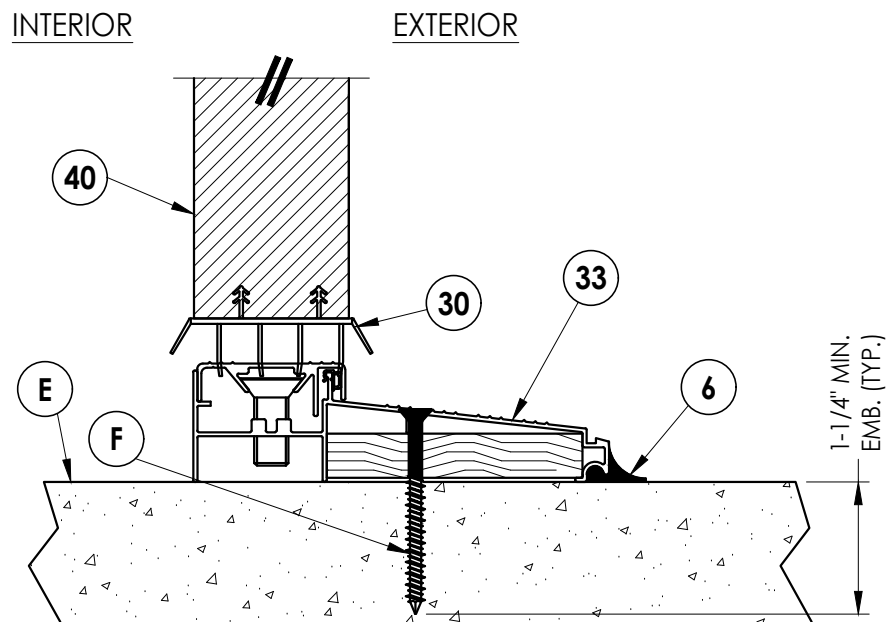
1
6 **VERTICAL CROSS SECTION**
Inswing shown - outswing
also approved



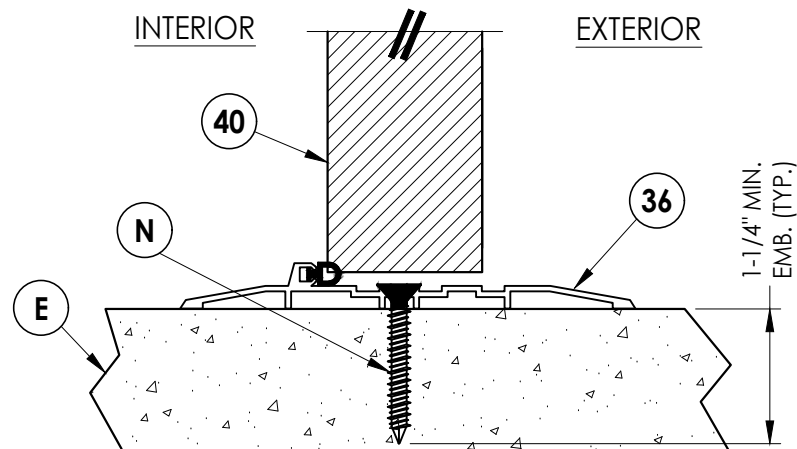
5
6 **VERTICAL CROSS SECTION**
Shown w/ ADA threshold



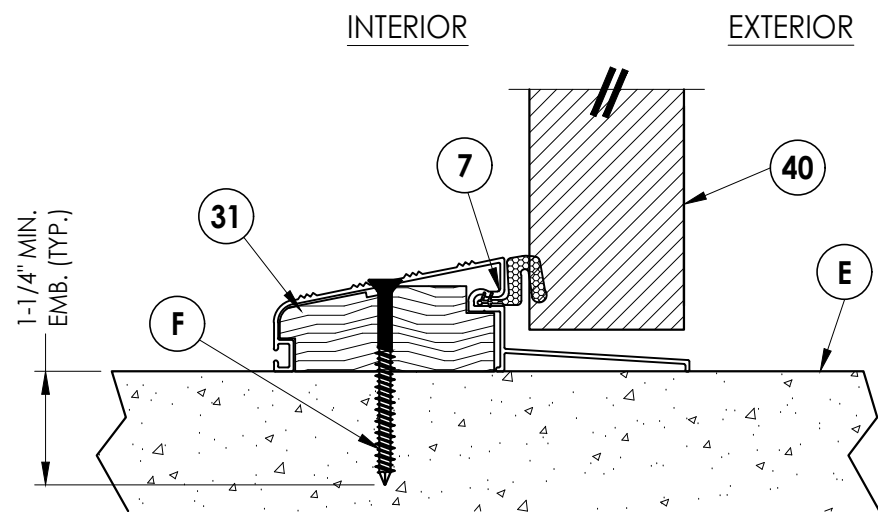
2
6 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck



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

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

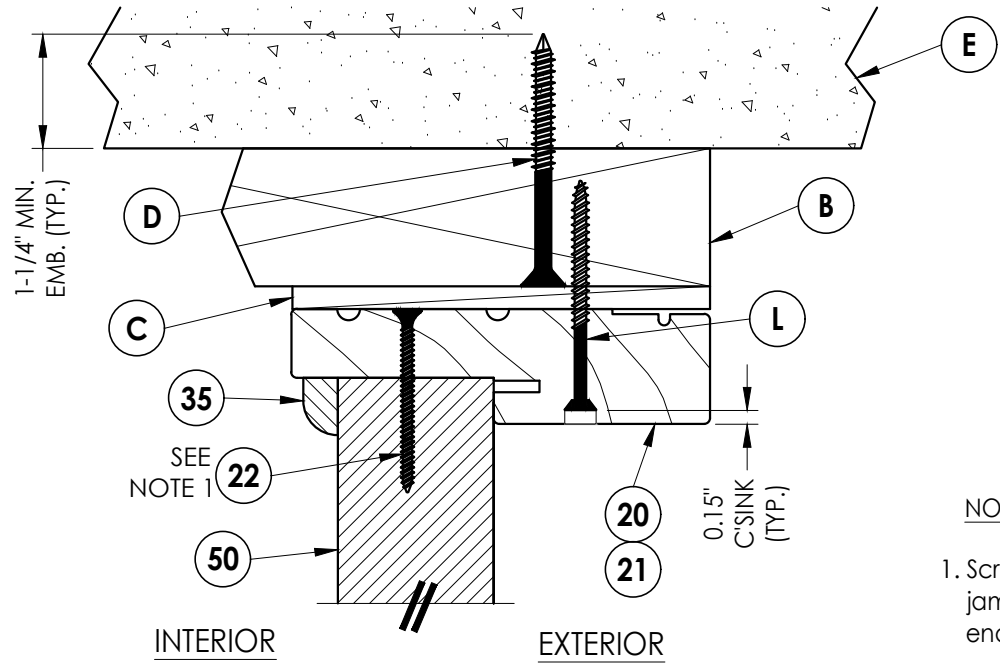
PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

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

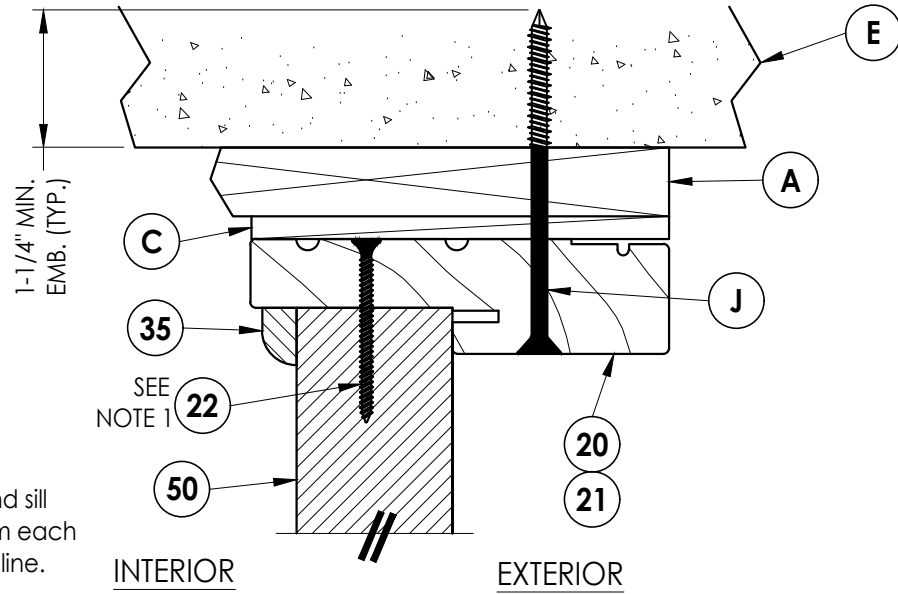
DATE: 8/25/14
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-17184.19
SHEET 6 OF 12

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-17184.19-20.dwg

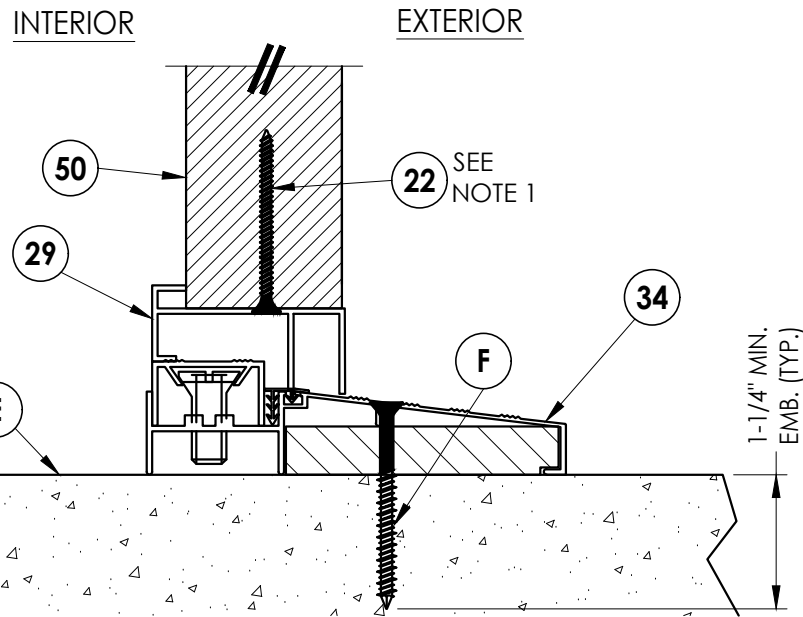


1
7 **VERTICAL CROSS SECTION**
Inswing shown - outswing
also approved

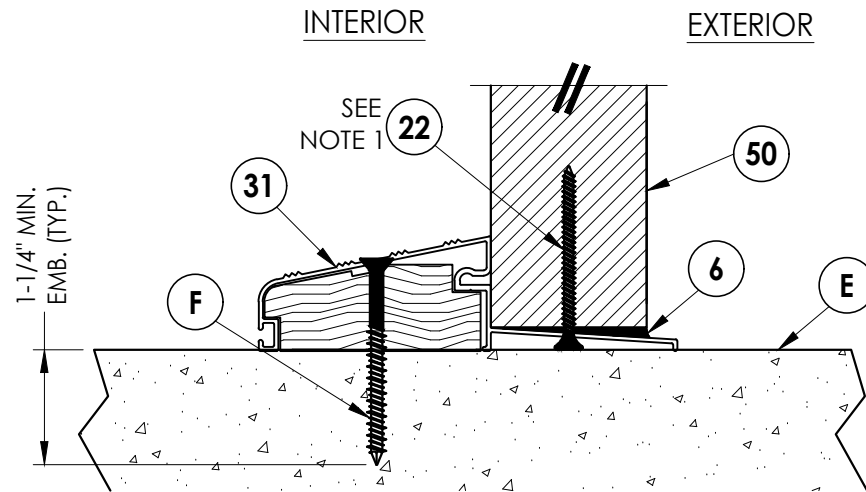


2
7 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck

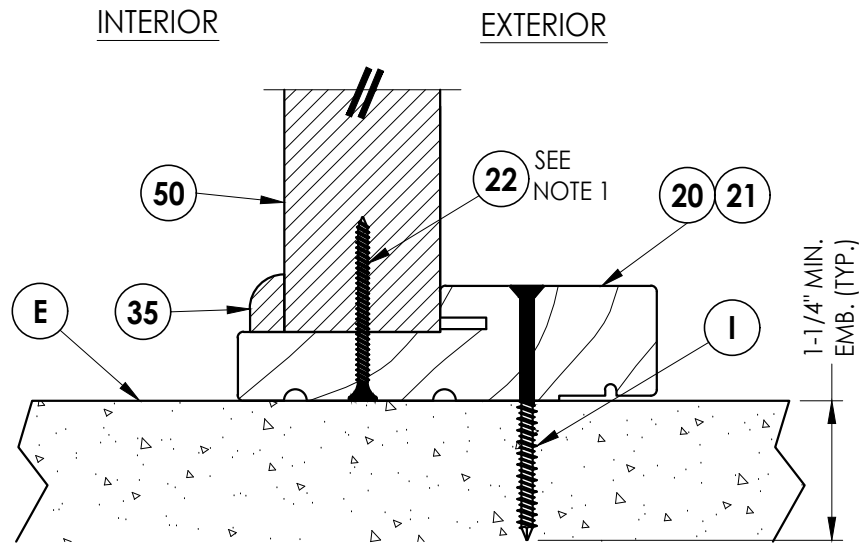
NOTE:
1. Screws thru head and sill
jamb located 3" from each
end and O.C. (TYP.) line.



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

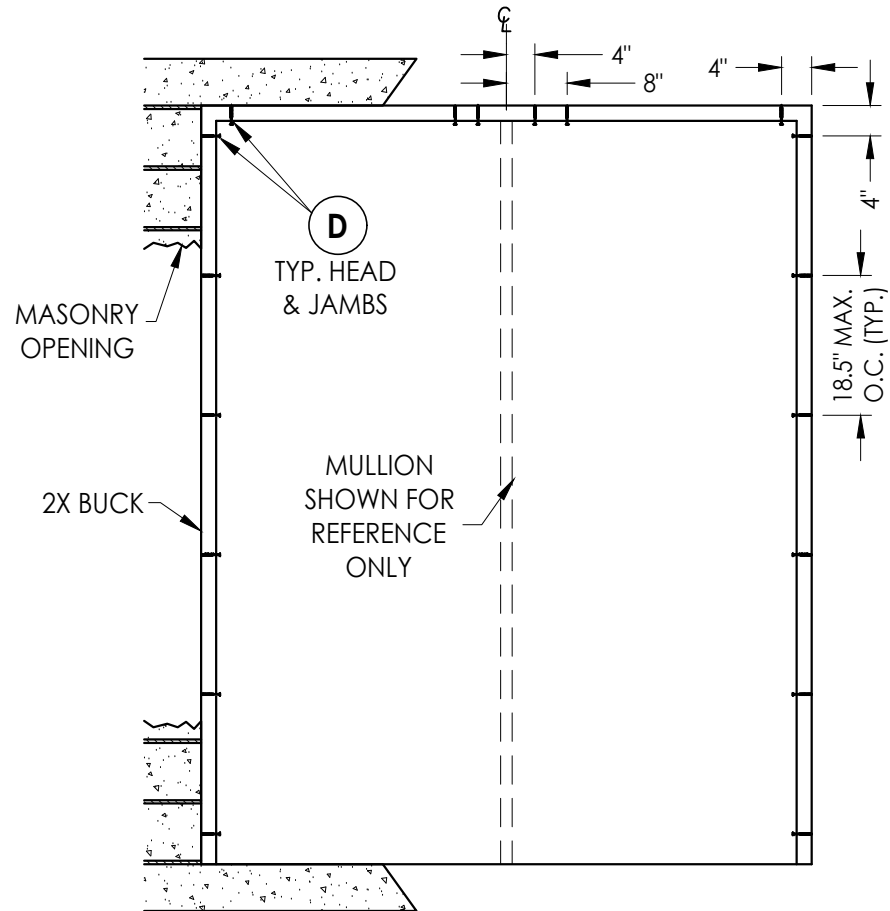
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

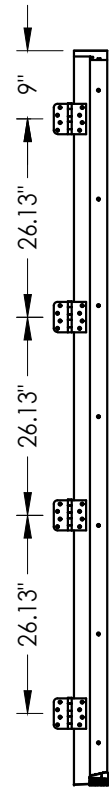
NO.	DATE	REVISIONS
6	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	8/05/20	UPDATE TO 7TH ED. (2020) FBC DAC

DATE: 8/25/14
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.:
FL-17184.19
SHEET 7 OF 12

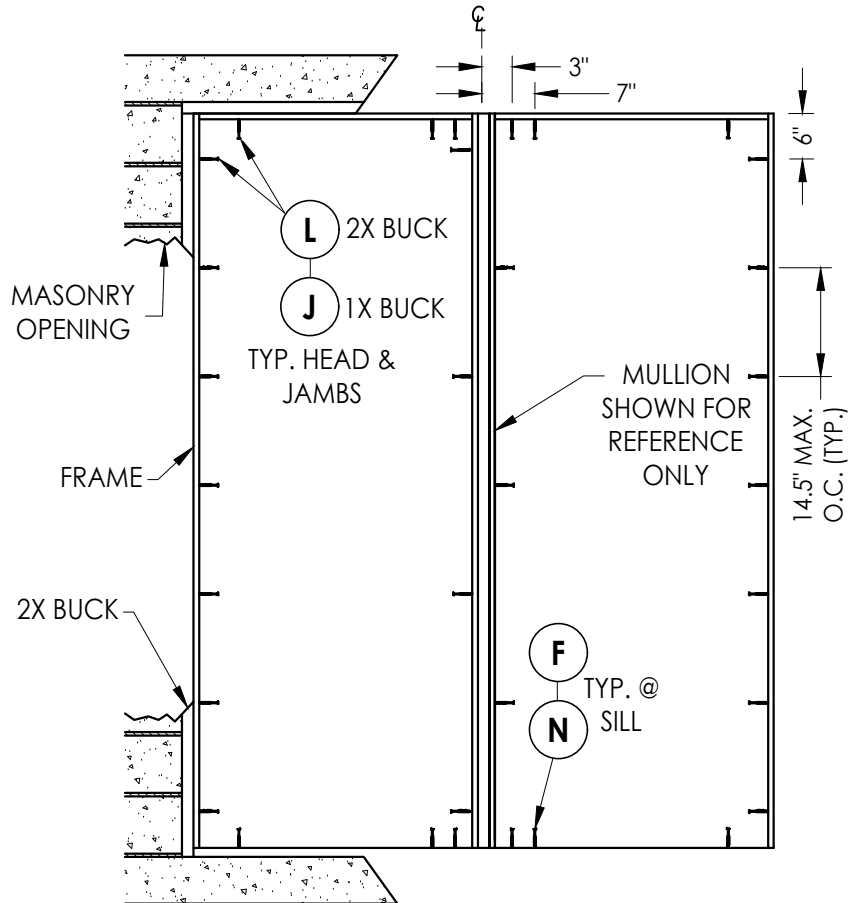
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-17184 R11\FL-17184.19-20.dwg



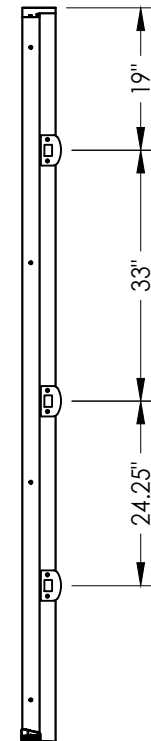
BUCK ANCHORING



HINGE JAMB

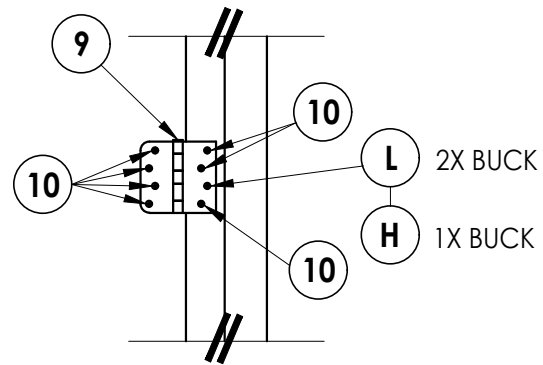


FRAME ANCHORING
Masonry construction

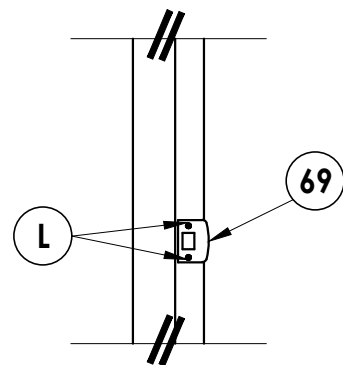


STRIKE JAMB

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

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 & FRAME ANCHORING
(OX/XO)

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
NO.	DATE	BY

DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AP

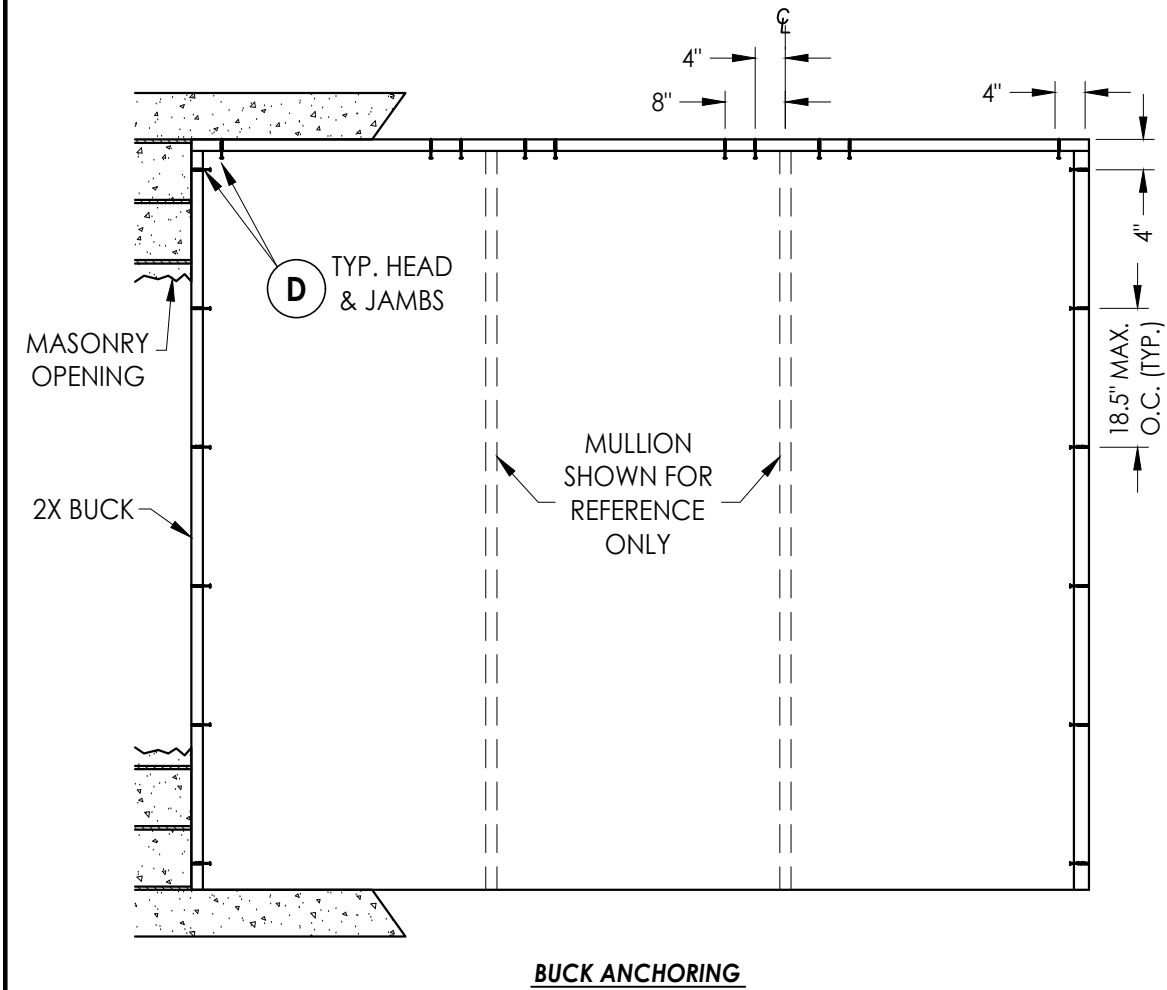
CHK. BY: LFS

DRAWING NO.:

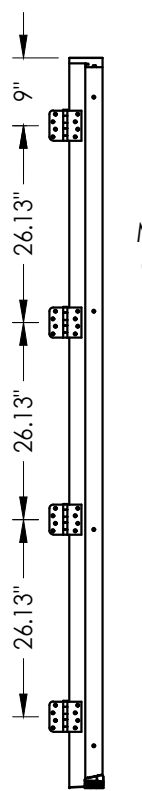
FL-17184.19

SHEET 9 OF 12

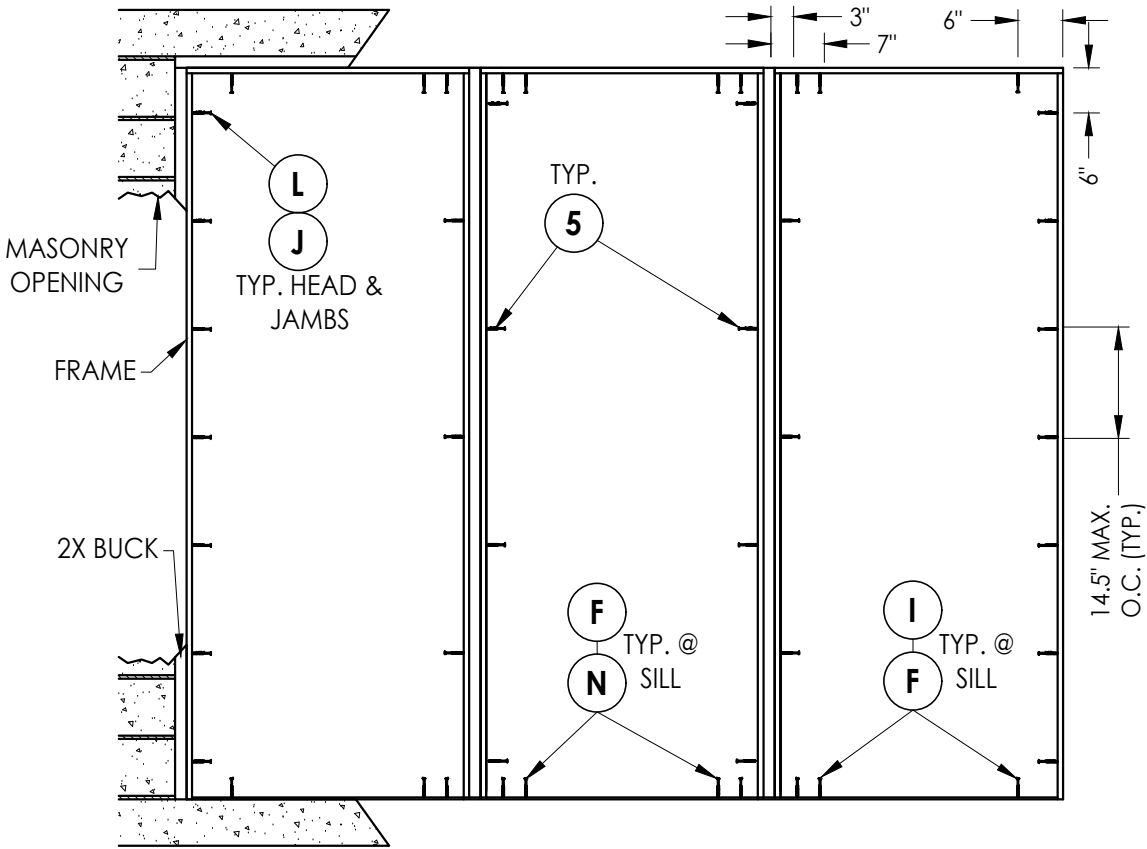
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-17184 R11\FL-17184.19-20.dwg



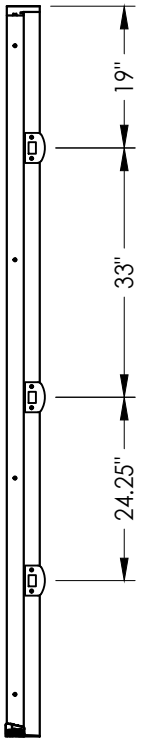
BUCK ANCHORING



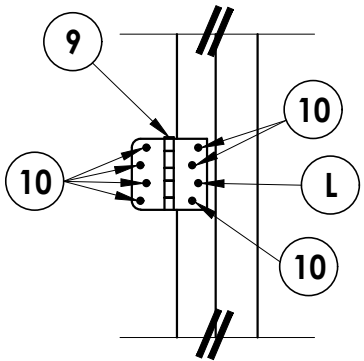
HINGE JAMB



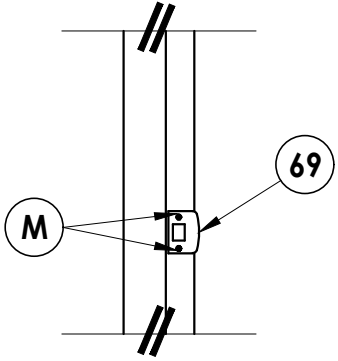
FRAME ANCHORING
Masonry construction



STRIKE JAMB



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"

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

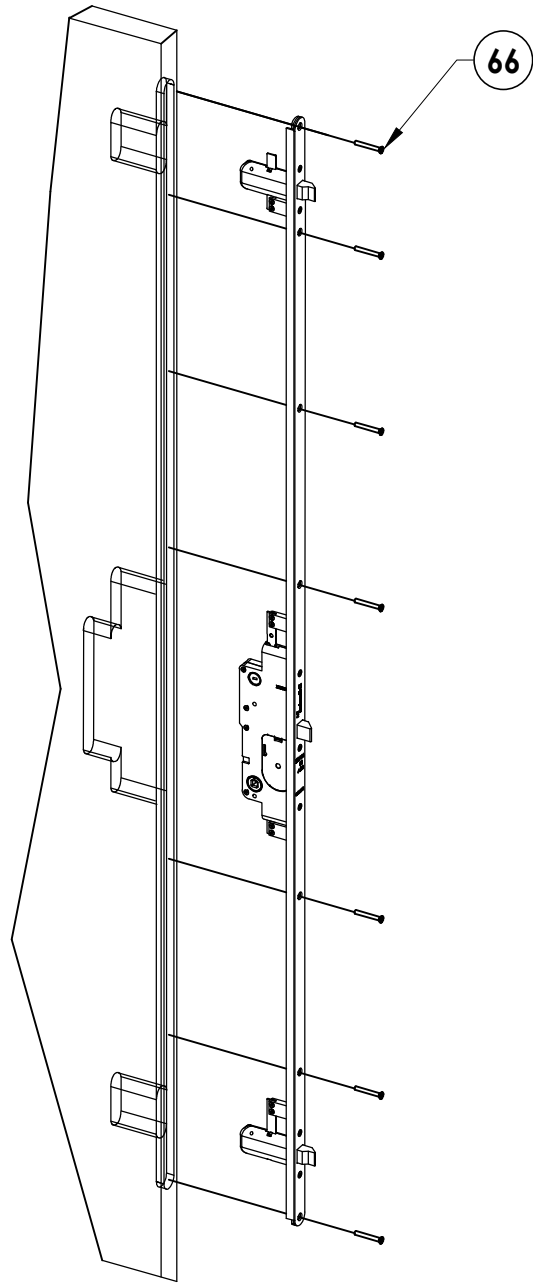
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

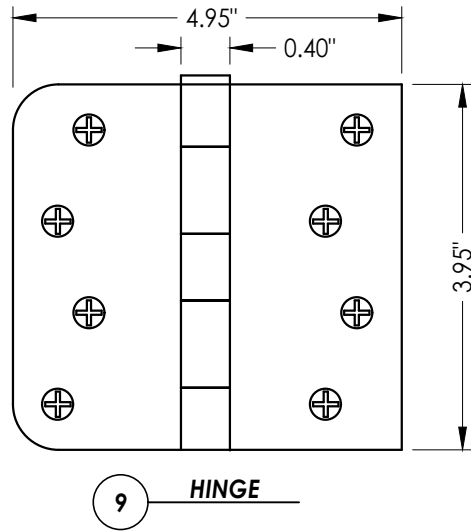
NO.	DATE	REVISIONS
6	7/02/26	UPDATE TO 9TH ED. (2026) FBC
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC
4	8/05/20	UPDATE TO 7TH ED. (2020) FBC
NO.	DATE	BY

DATE: 8/25/14
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: LFS
DRAWING NO.: FL-17184.19
SHEET 10 OF 12

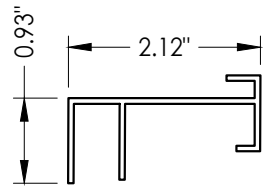
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-17184 R11\FL-17184.19-20.dwg



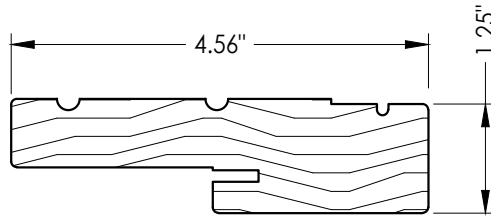
65 MULTI-POINT LOCK
Trilennium by Endura



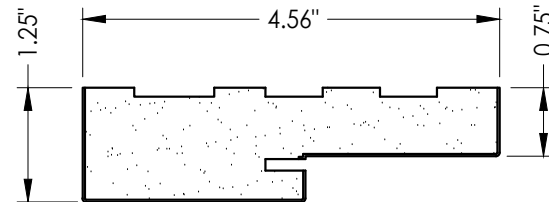
9 HINGE



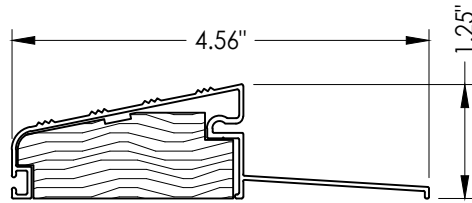
29 SIDELITE SPACER
ISSLB



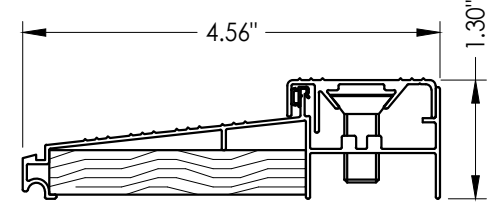
20 HEAD & SIDE
Jamb



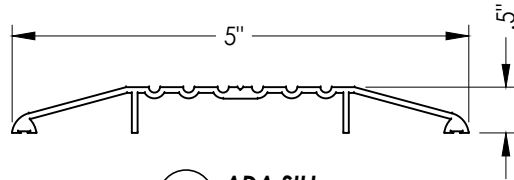
21 HEAD & SIDE
Poly fiber jamb



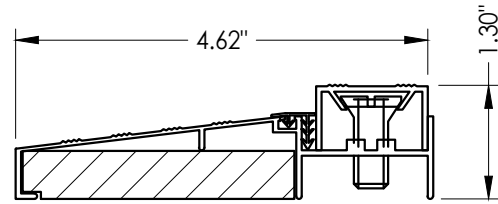
31 OUTSWING THRESHOLD
QOSH



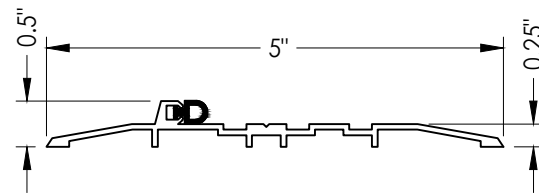
33 INSWING THRESHOLD
ISCS



32 ADA SILL
ISHC



34 SIDELITE THRESHOLD
ISH/ EIS



36 OUTSWING ADA BUMP THRESHOLD
OSHC

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

NO.	DATE	REVISIONS			
		DATE	BY	CHK.	APP.
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	

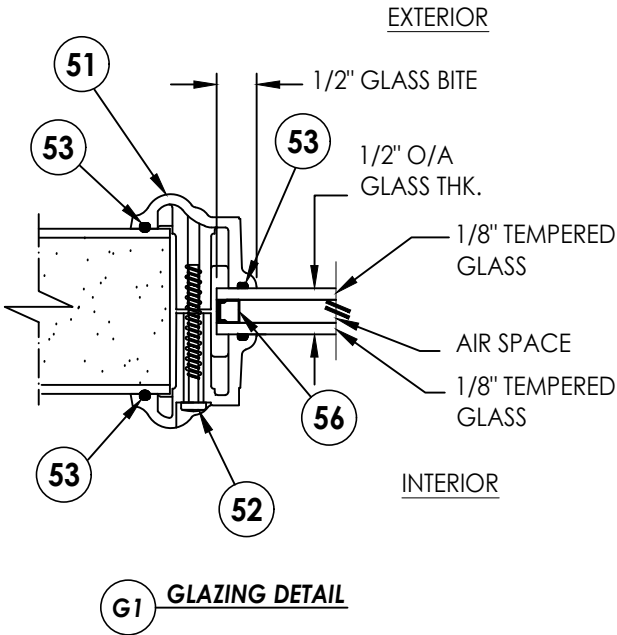
DATE:	8/25/14
SCALE:	N.T.S.
DWG. BY:	AP
CHK. BY:	LFS
DRAWING NO.:	FL-17184.19
SHEET	11 OF 12

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

G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-17184 R11\FL-17184.19-20.dwg

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



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		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	
		LFS	
		FBC	
	7/02/26	UPDATE TO 9TH ED. (2026)	
	8/23/23	UPDATE TO 8TH ED. (2023)	
	8/05/20	UPDATE TO 7TH ED. (2020)	
	NO.	DATE	BY
			REVISIONS
DATE: 8/25/14			
SCALE: N.T.S.			
DWG. BY: AP			
CHK. BY: LFS			
DRAWING NO.: FL-17184.19			
SHEET 12 OF 12			