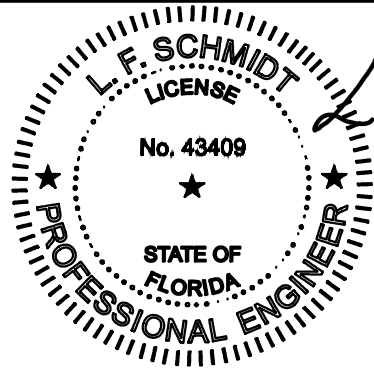




5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

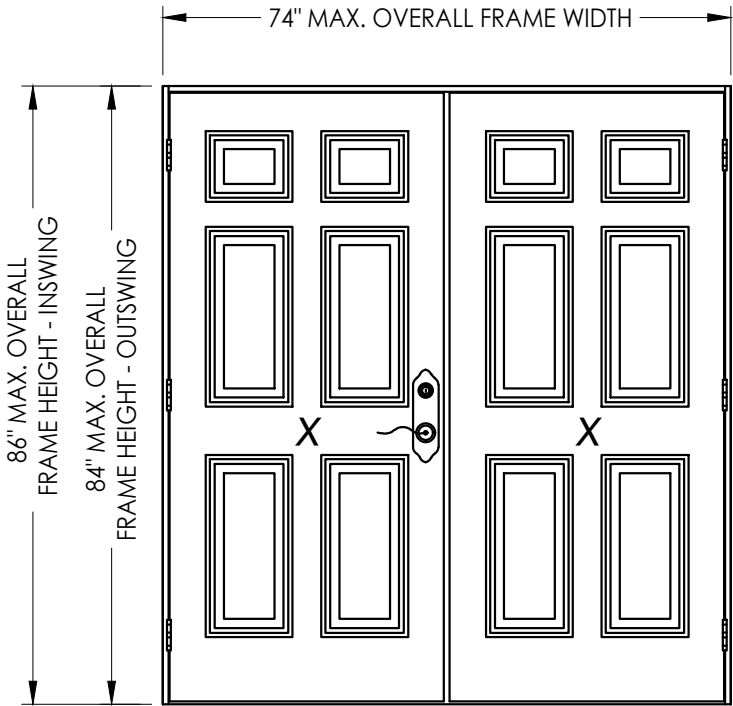


L.F. Schmidt

Digitally signed by
Lyndon F Schmidt
Date: 2023.08.23
12:44:30 -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.

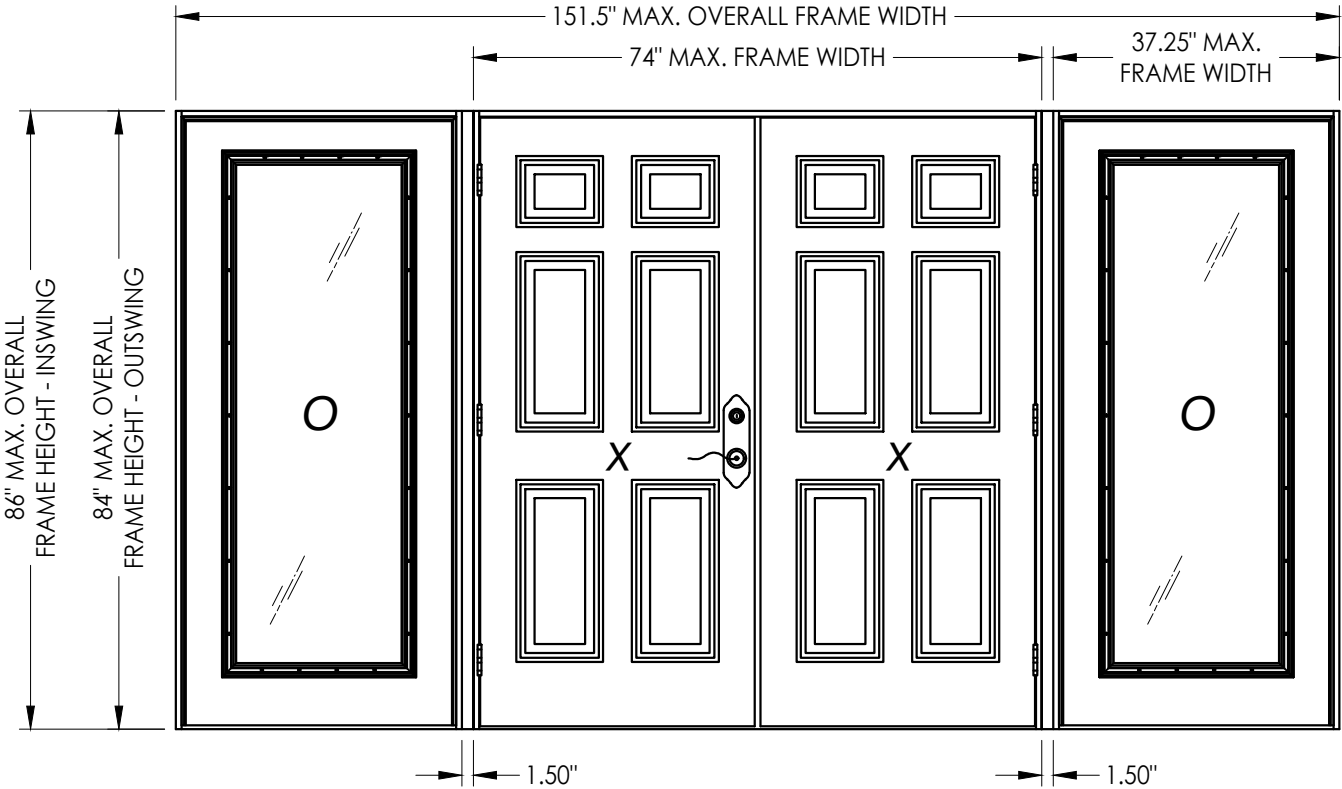
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



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

GENERAL NOTES

- 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).
- 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.



CONFIGURATION	MAX. FRAME DIMENSION	MAX. SIDELITE D.L.O. DIMENSION	DESIGN PRESSURE (PSF)		DESIGN PRESSURE (PSF)	
			INSWING		OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 86.0"	21.0" x 62.5"	+50.0	-55.0	+50.0	-50.0
OXXO	151.5" x 86.0"	21.0" x 62.5"	+45.0	-45.0	+45.0	-45.0

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	Vertical cross sections
6	Vertical cross sections
7	Buck & frame anchoring (XX)
8	Buck anchoring (OXXO)
9	Frame anchoring (OXXO)
10	Astragal & multi-point lock details
11	Components
12	Bill of materials & glazing detail

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

PRODUCT:
PLASTPRO
FIBERGLASS DOOR

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

5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	8/04/20	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
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE			BY

REVISIONS

DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

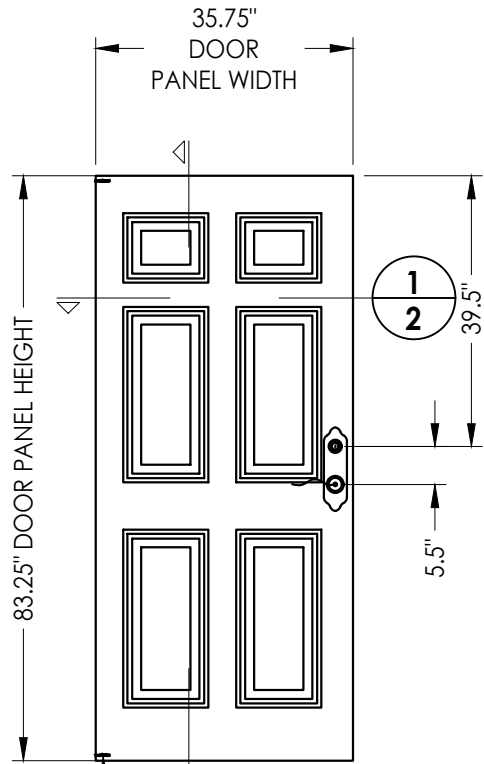
DRAWING NO.: FL-17184.14

SHEET 1 OF 12

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

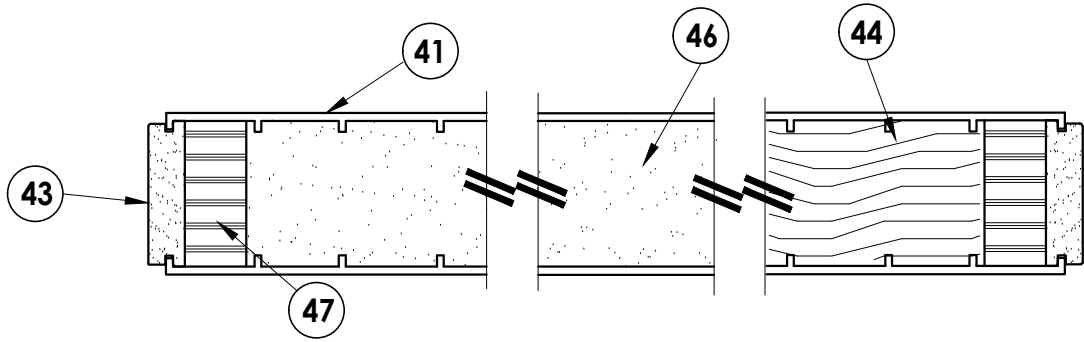
© 2014 R.W. BUILDING CONSULTANTS INC.

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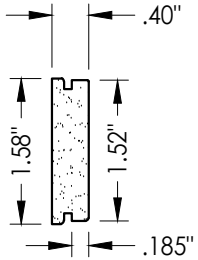


40 DOOR PANEL

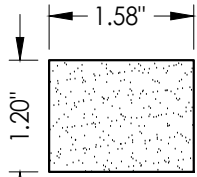
NOTE 1:
1. #8 x 2" PFH wood screw through hinge cap into top and bottom rails for D.P. > 47 PSF.



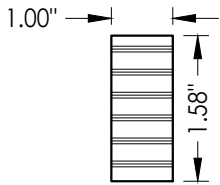
1 HORIZONTAL CROSS SECTION



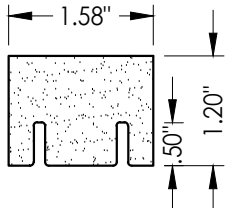
43 LATCH & HINGE STILE
Cellular PVC



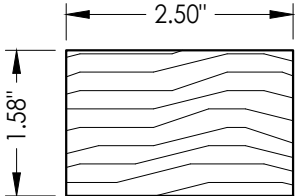
42 TOP RAIL
Cellular PVC



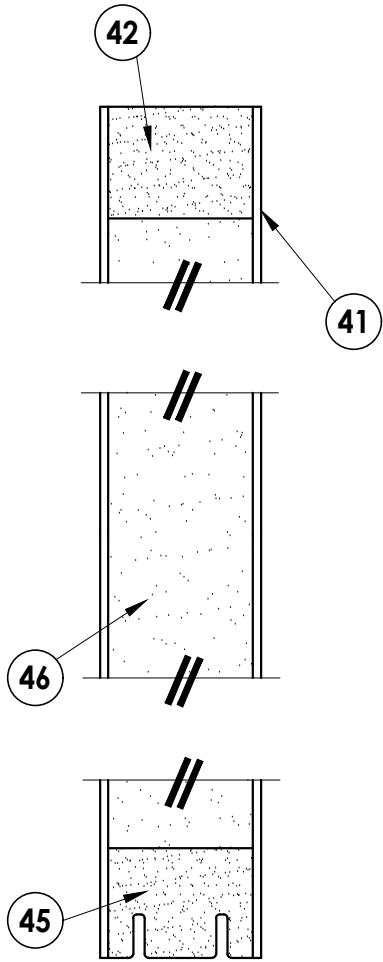
47 LATCH & HINGE STILE
Reinforcement



45 BOTTOM RAIL
Cellular PVC



44 LOCK BLOCK
Reinforcement



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
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC
4	8/04/20	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.

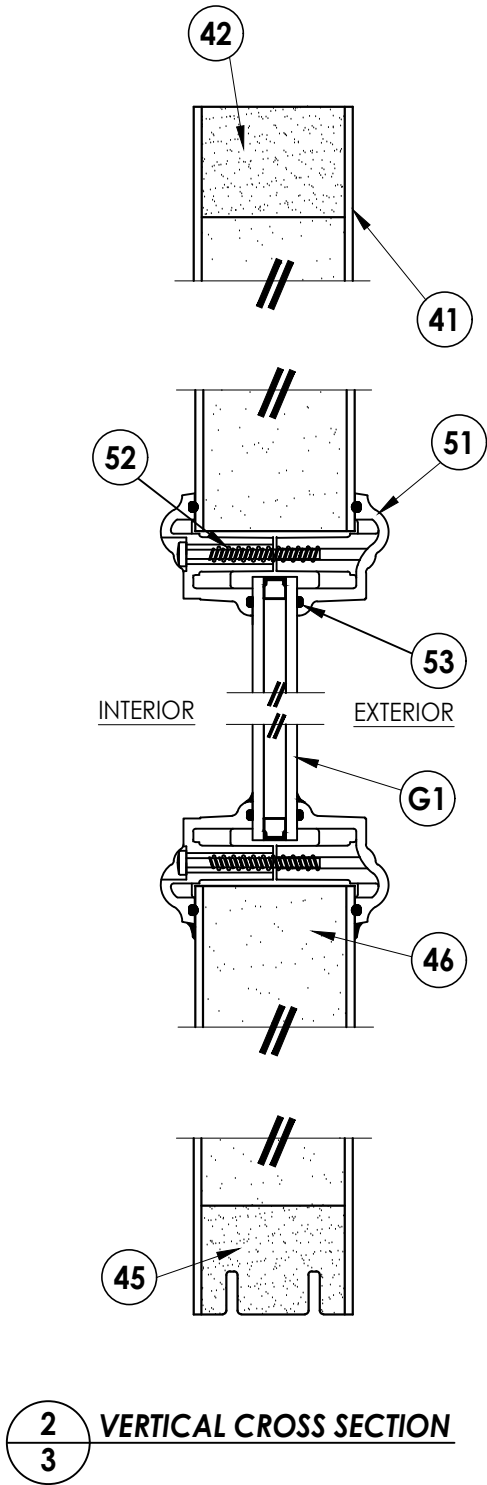
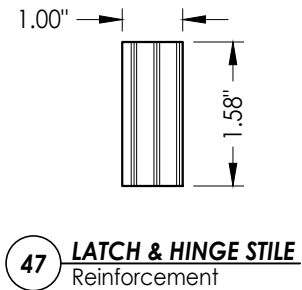
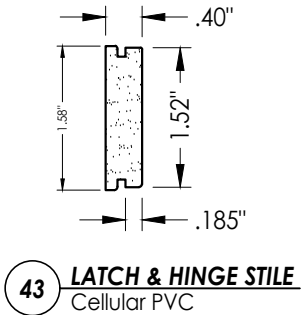
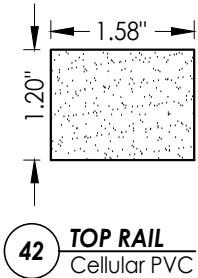
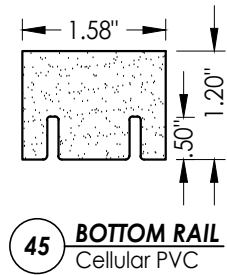
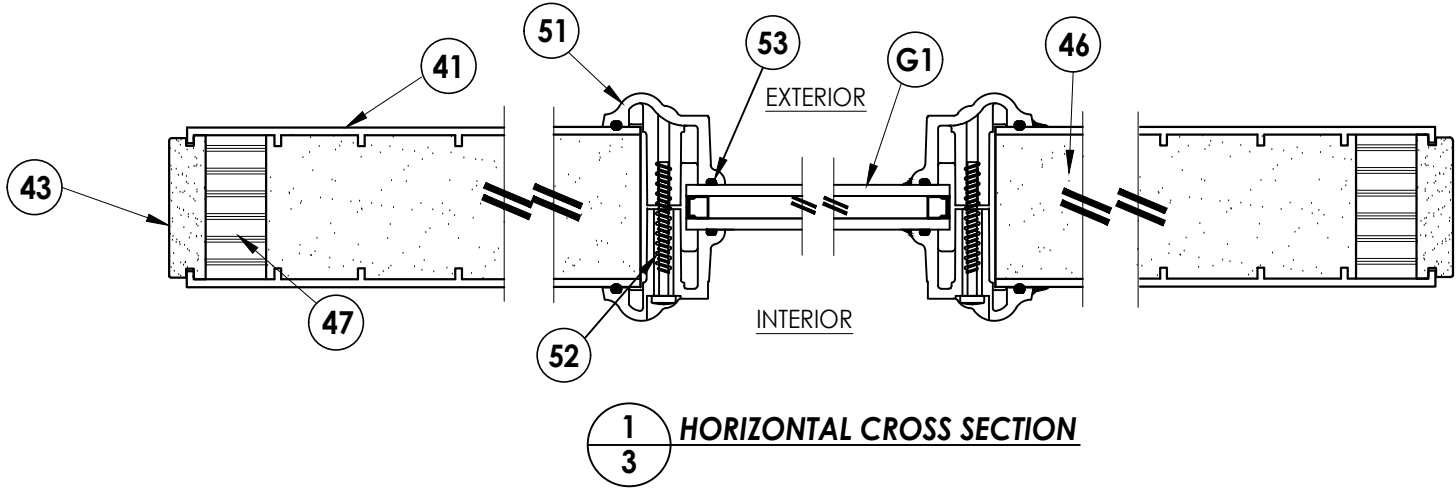
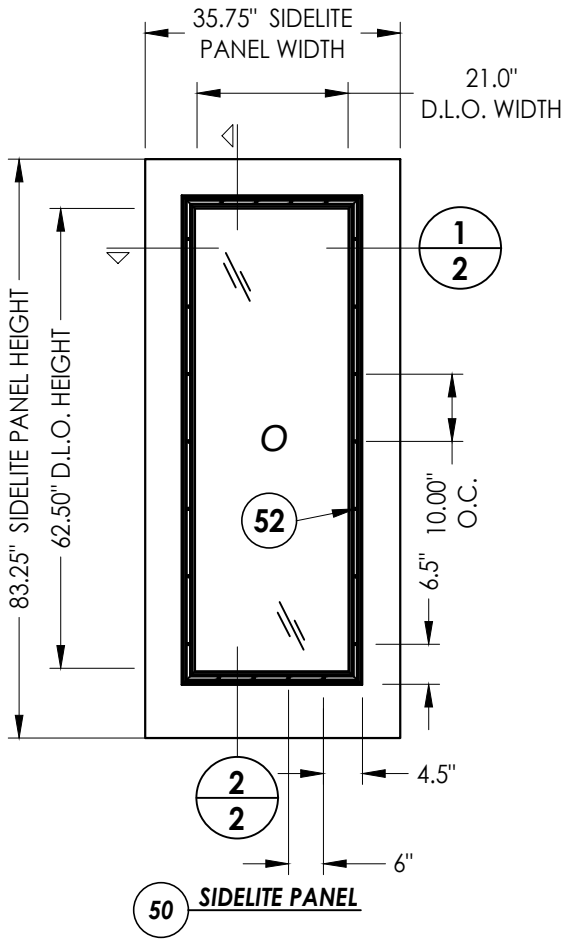
DWG. BY: AL

CHK. BY: LFS

DRAWING NO.:

FL-17184.14

SHEET 2 OF 12



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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
PLASTPRO
FIBERGLASS DOOR

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

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

DATE: 8/25/14

SCALE: N.T.S.

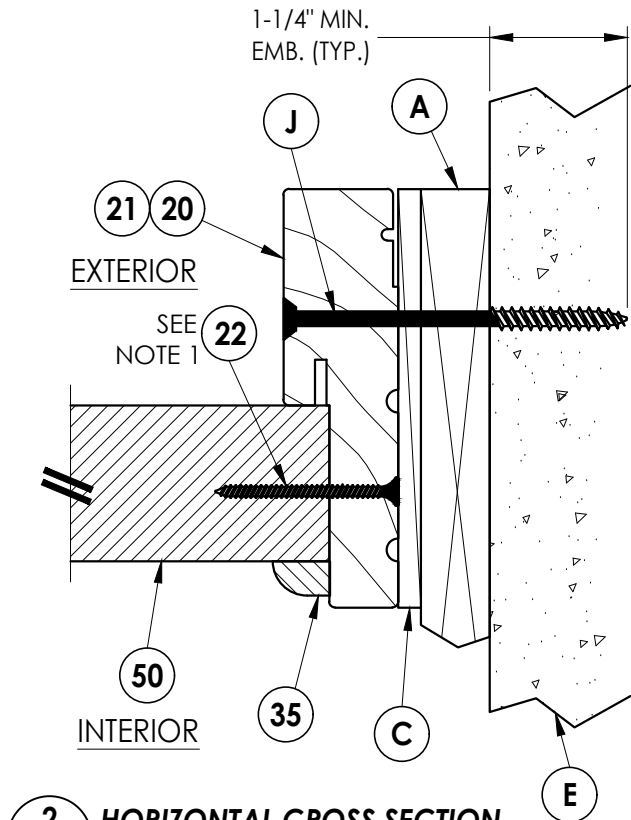
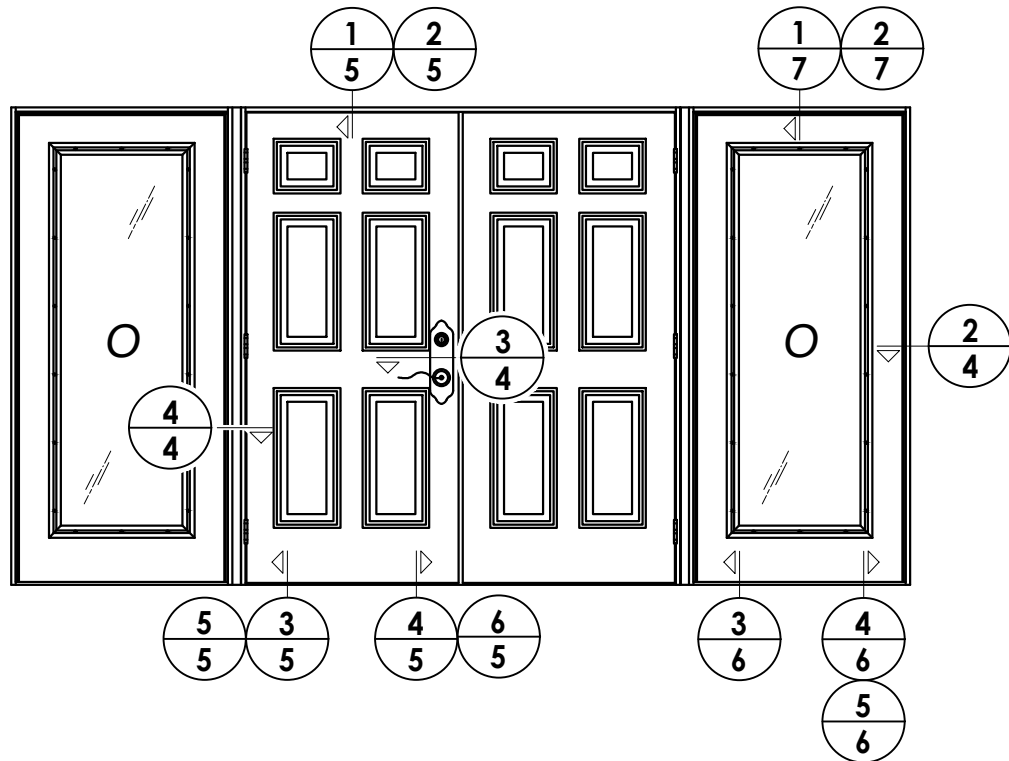
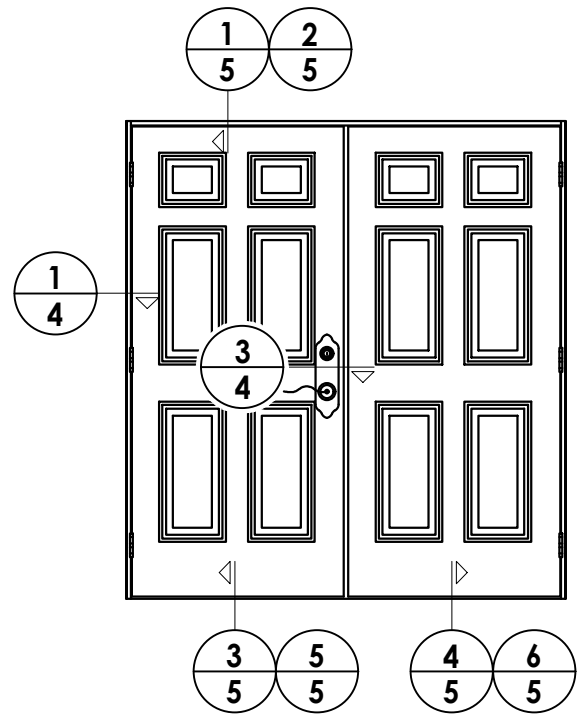
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CHK. BY: LFS

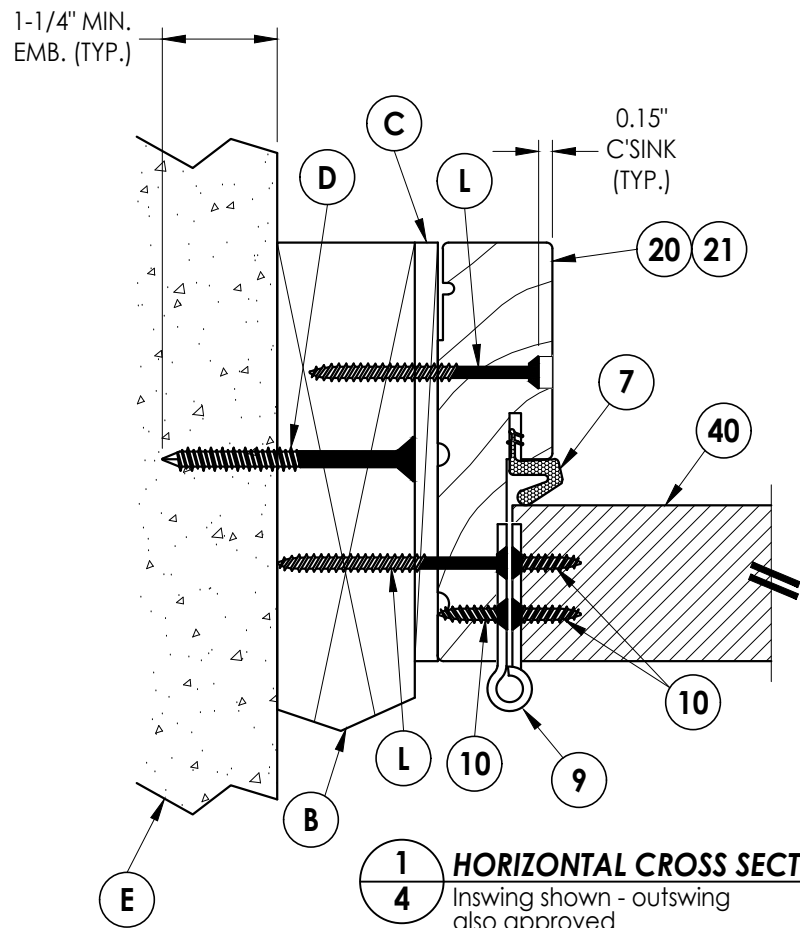
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FL-17184.14

SHEET 3 OF 12

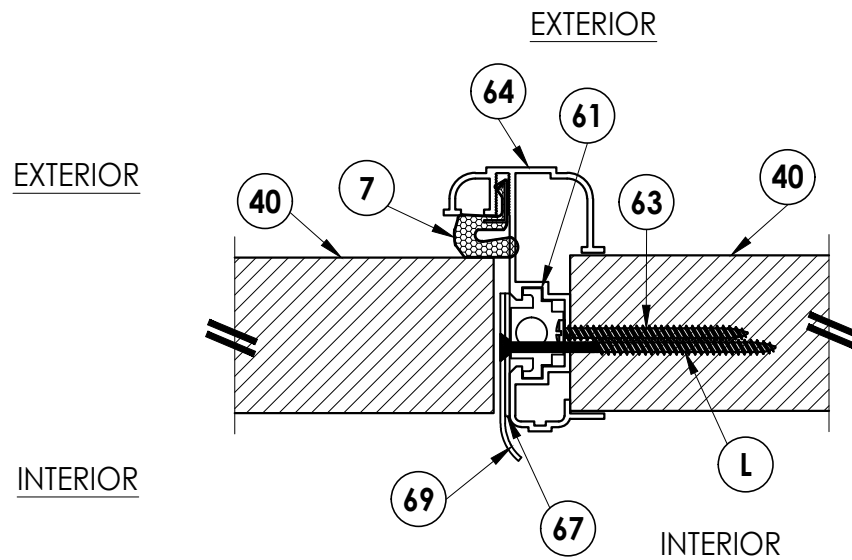
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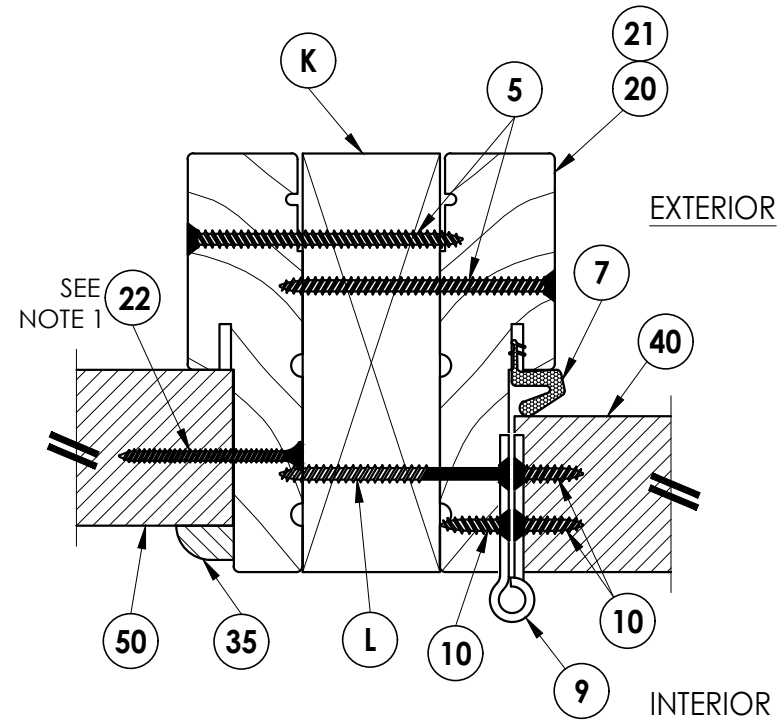
2/4 HORIZONTAL CROSS SECTION
Shown w/1X sub-buck



1/4 HORIZONTAL CROSS SECTION
Inswing shown - outswing also approved



3/4 HORIZONTAL CROSS SECTION



4/4 HORIZONTAL CROSS SECTION
Inswing shown - outswing also approved

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

PRODUCT:
PLASTPRO
FIBERGLASS DOOR

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

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

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

DATE: 8/25/14

SCALE: N.T.S.

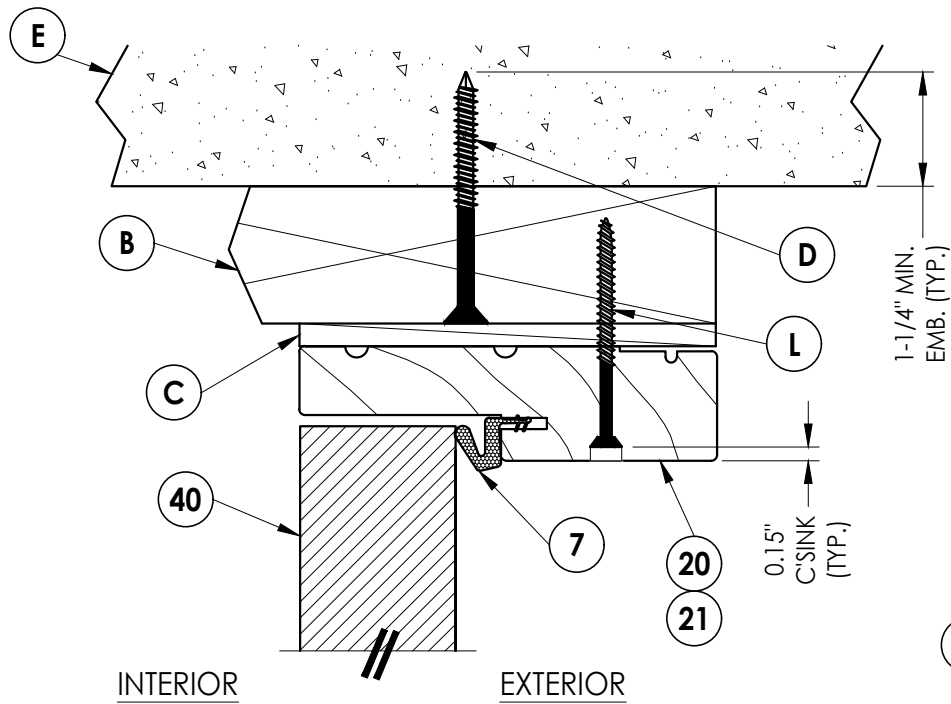
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CHK. BY: LFS

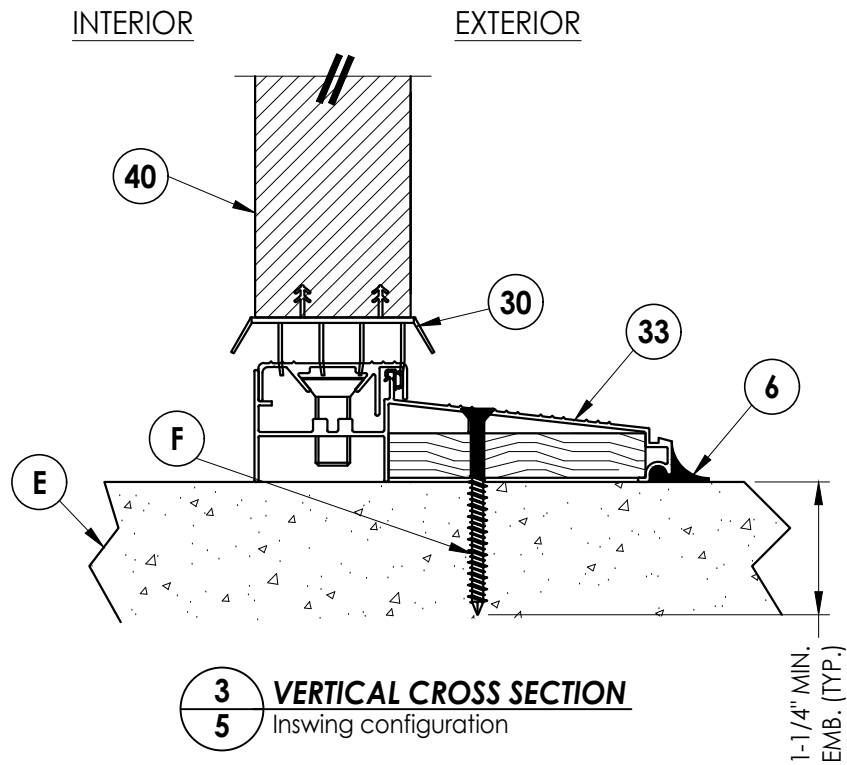
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SHEET 4 OF 12

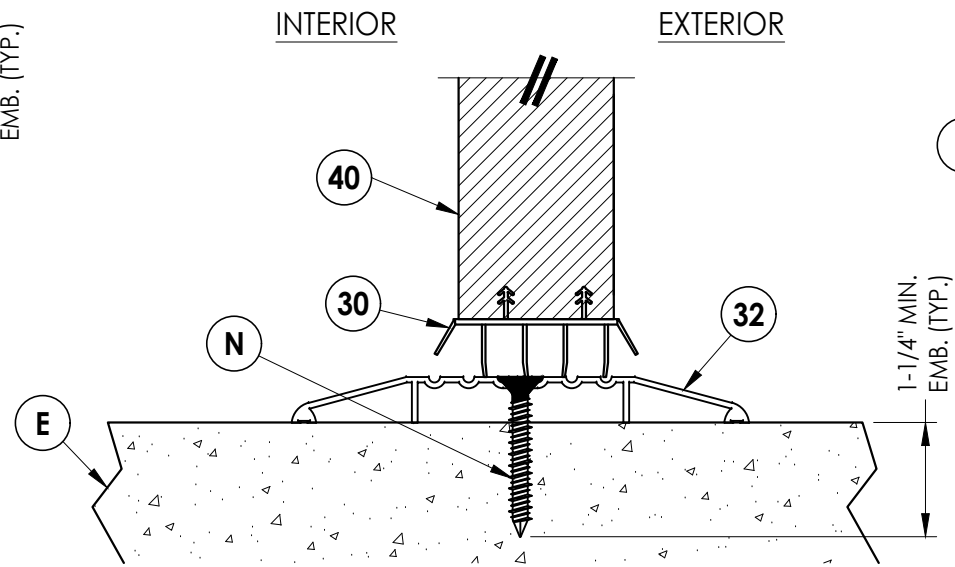
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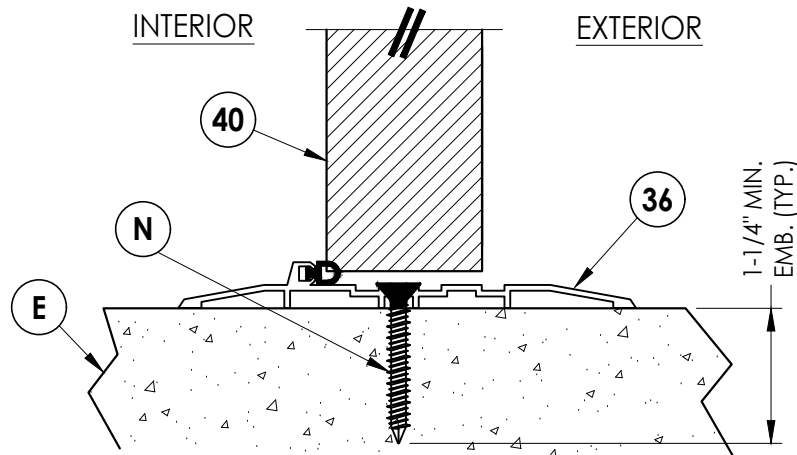
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5 **VERTICAL CROSS SECTION**
Inswing shown - outswing
also approved



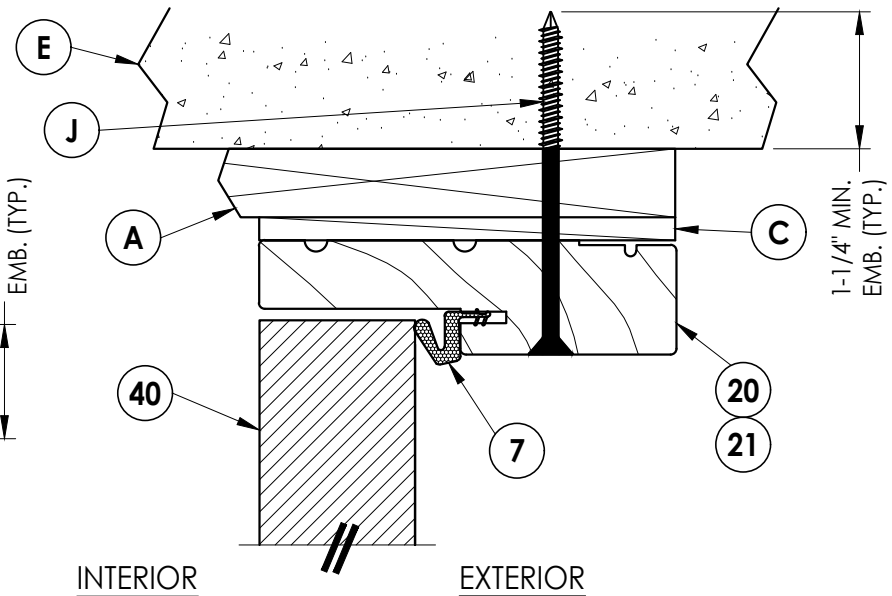
3
5 **VERTICAL CROSS SECTION**
Inswing configuration



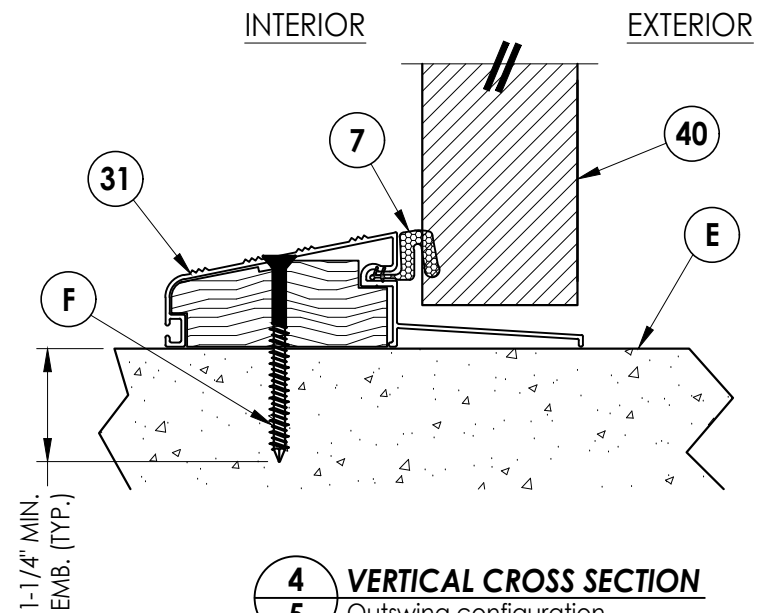
5
5 **VERTICAL CROSS SECTION**
Shown w/ ADA threshold



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



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



4
5 **VERTICAL CROSS SECTION**
Outswing configuration

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

PRODUCT:
PLASTPRO
FIBERGLASS DOOR

NO.	DATE	REVISIONS
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC
4	8/04/20	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
NO.	DATE	REVISIONS

DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AL

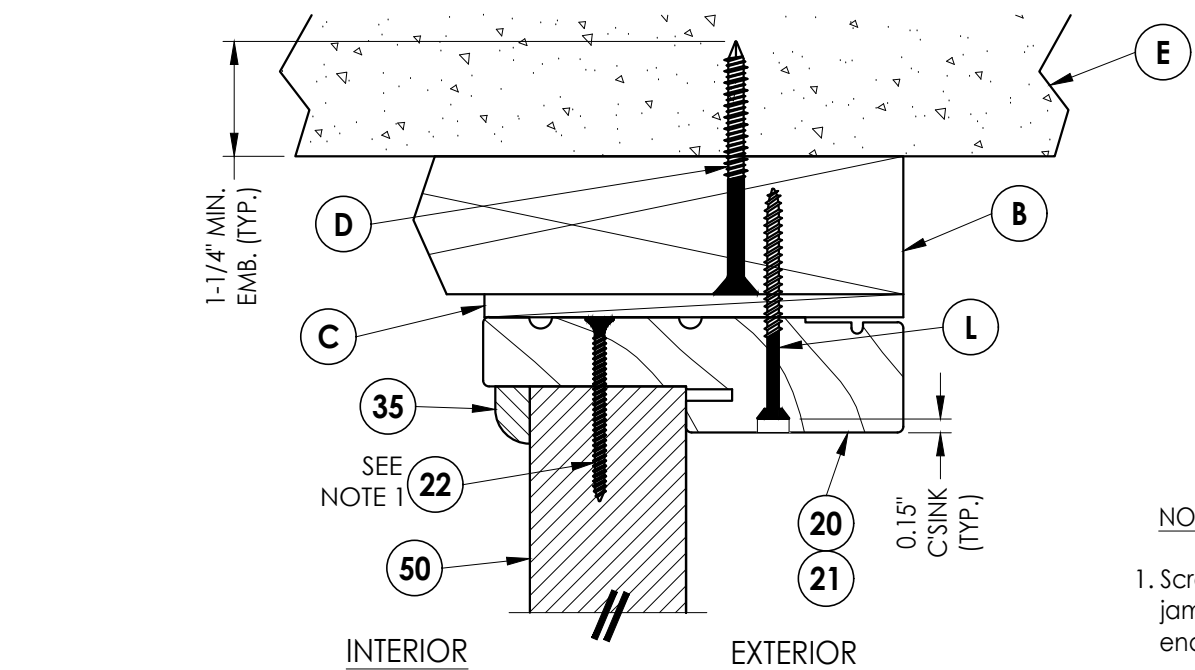
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DRAWING NO.: FL-17184.14

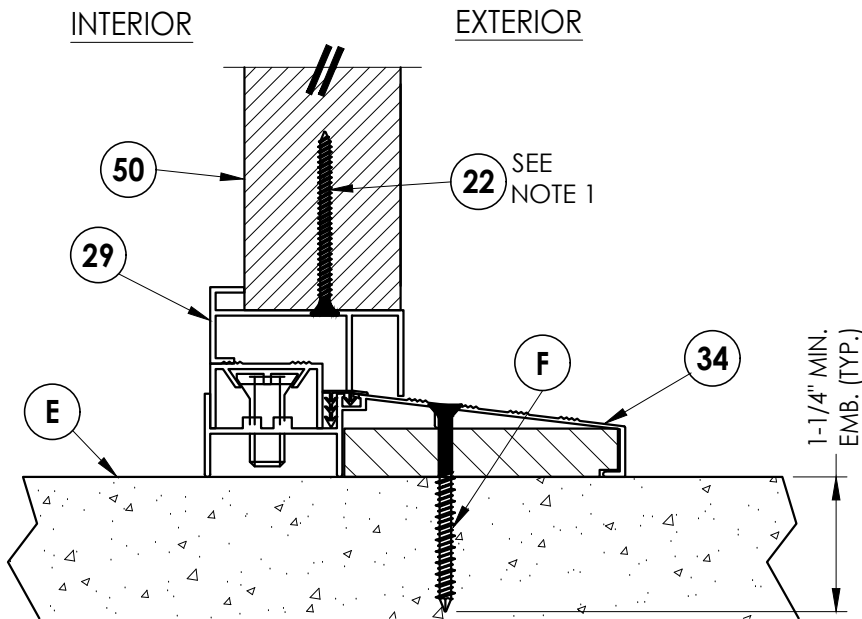
SHEET 5 OF 12

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FBPE Registry No. 9813

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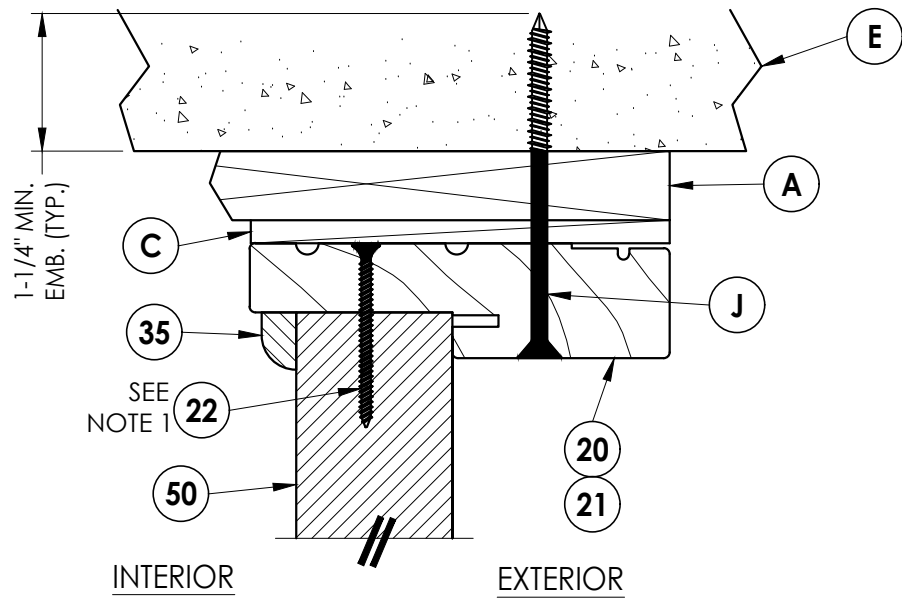
1 VERTICAL CROSS SECTION
6 Inswing shown - outswing
also approved



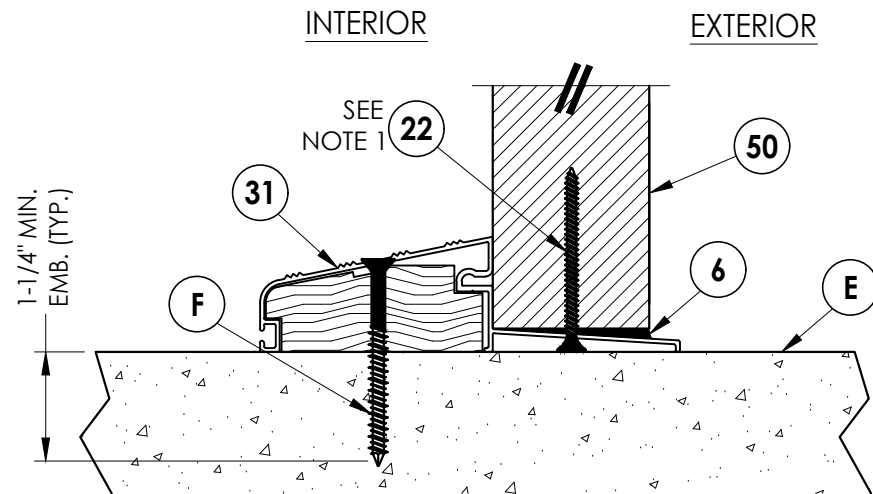
3 VERTICAL CROSS SECTION
6 Inswing configuration

NOTE:

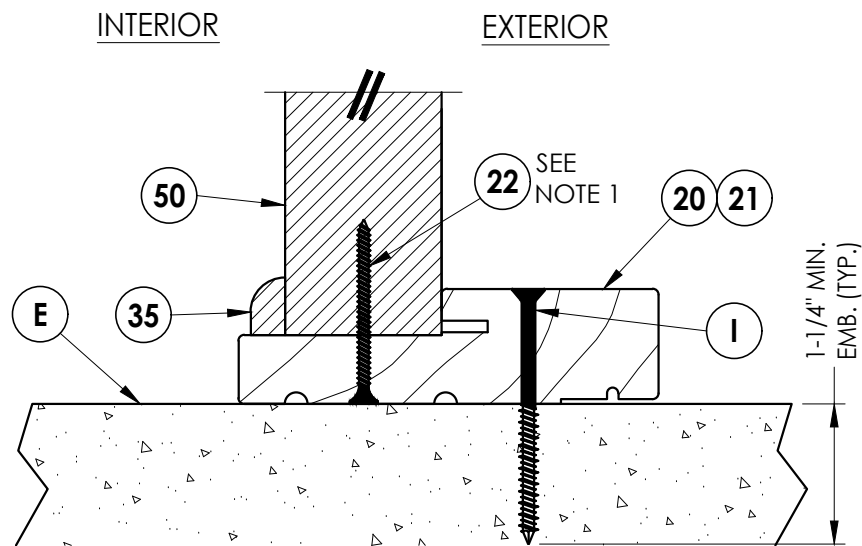
1. Screws thru head and sill
jamb located 3" from each
end and O.C. (TYP.) line.



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



4 VERTICAL CROSS SECTION
6 Outswing configuration



5 VERTICAL CROSS SECTION
6 Outswing configuration

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

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

PRODUCT:
PLASTPRO
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS				
		BY	JK	JK	JK	JK
5	8/23/23	DATE	DATE	DATE	DATE	DATE
4	8/04/20	DATE	DATE	DATE	DATE	DATE
3	08/02/17	DATE	DATE	DATE	DATE	DATE
2	3/10/16	DATE	DATE	DATE	DATE	DATE
1	04/22/15	DATE	DATE	DATE	DATE	DATE

DATE: 8/25/14

SCALE: N.T.S.

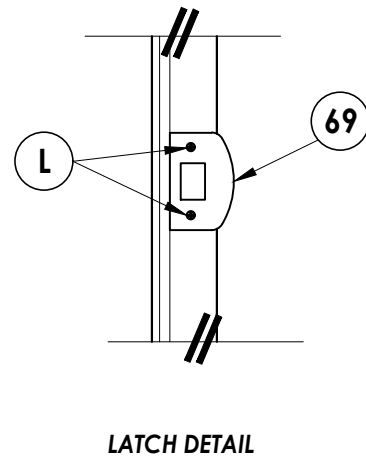
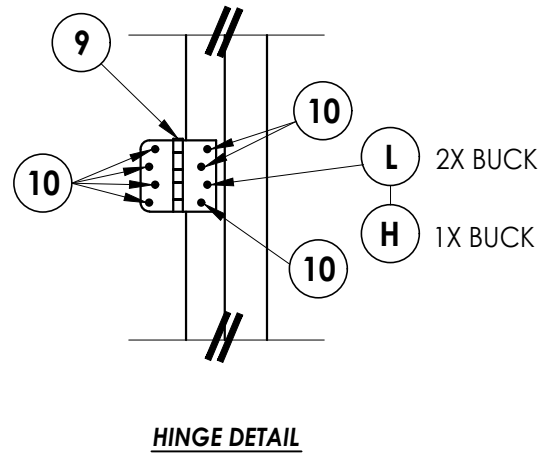
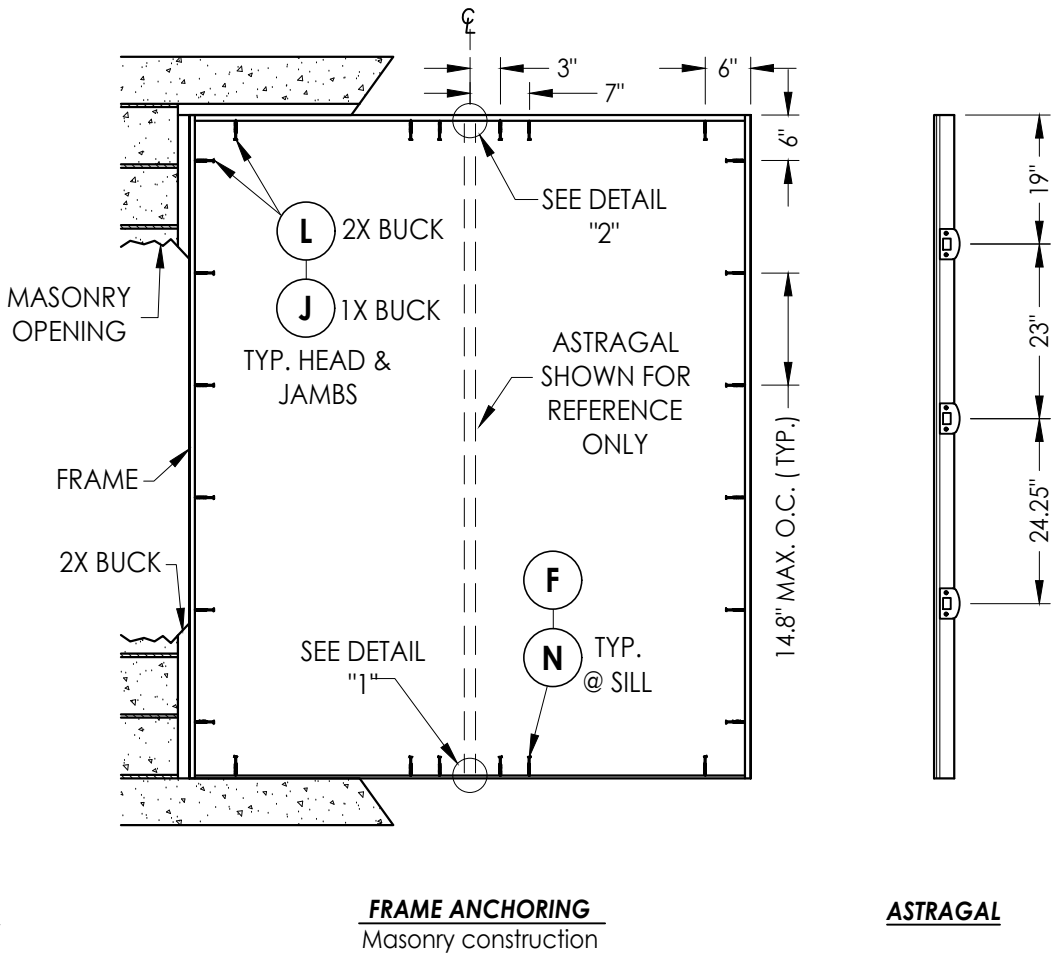
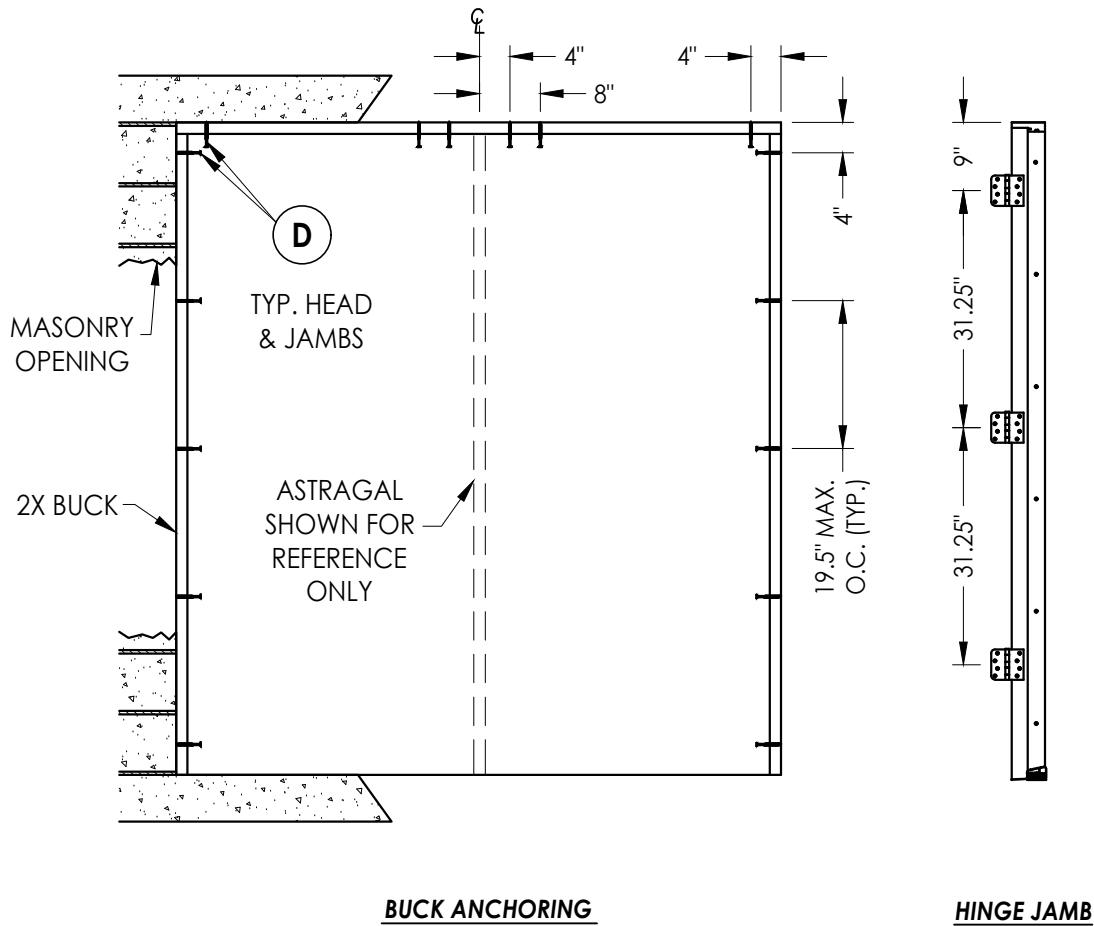
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CHK. BY: LFS

DRAWING NO.:
FL-17184.14

SHEET 6 OF 12

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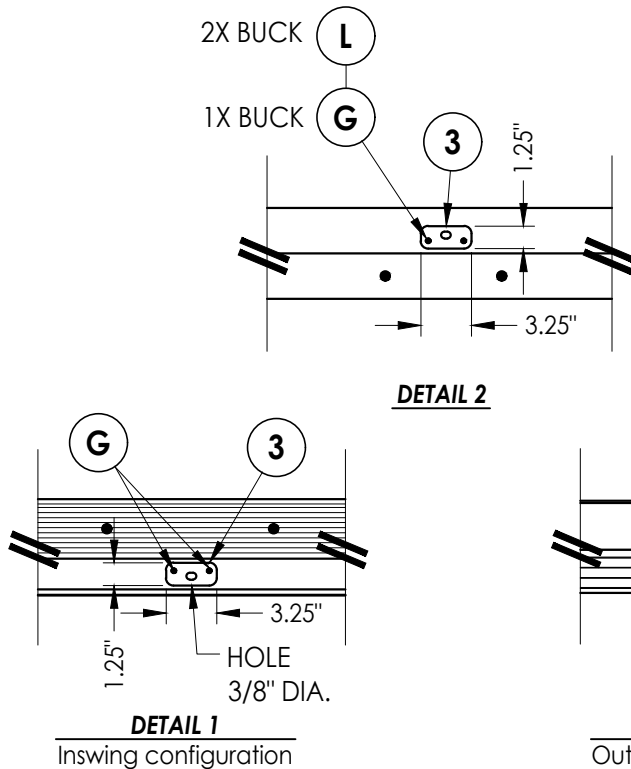
CONCRETE ANCHOR NOTES:

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:

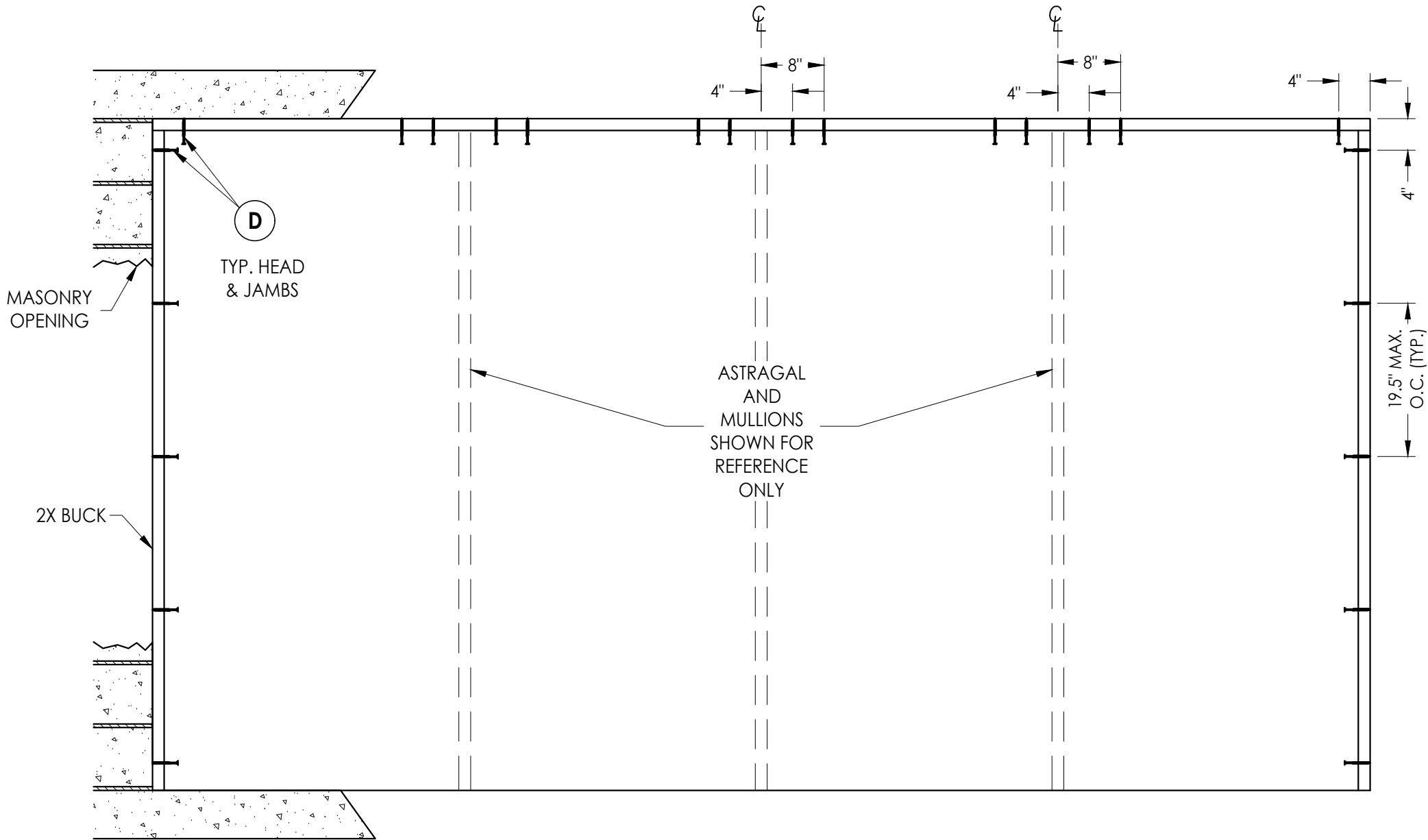
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRAACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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.



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 FIBERGLASS DOOR		PART OR ASSEMBLY: BUCK & FRAME ANCHORING (XX)	
5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC
4	8/04/20	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: AL			
CHK. BY: LFS			
DRAWING NO.: FL-17184.14			
SHEET 7 OF 12			



BUCK ANCHORING

CONCRETE ANCHOR NOTES:

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- 3. Concrete anchor table:

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DeWALT ULTRACON+®	1/4"	1-1/4"	1"	4"
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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.

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

PLASTPRO
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK ANCHORING
(OXXO)

8/23/23
5

8/23/23
4

8/04/20
3

08/02/17
2

3/10/16
1

04/22/15
NO.

DATE

UPDATE TO 8TH ED. (2023) FBC
LFS

UPDATE TO 7TH ED. (2020) FBC
DAC

UPDATE TO 6TH ED. (2017) FBC
JK

ADDED ADA O.S. BUMP THRESHOLD
JK

UPDATE TO 5TH ED. (2014) FBC
JK

REVISIONS
BY

DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

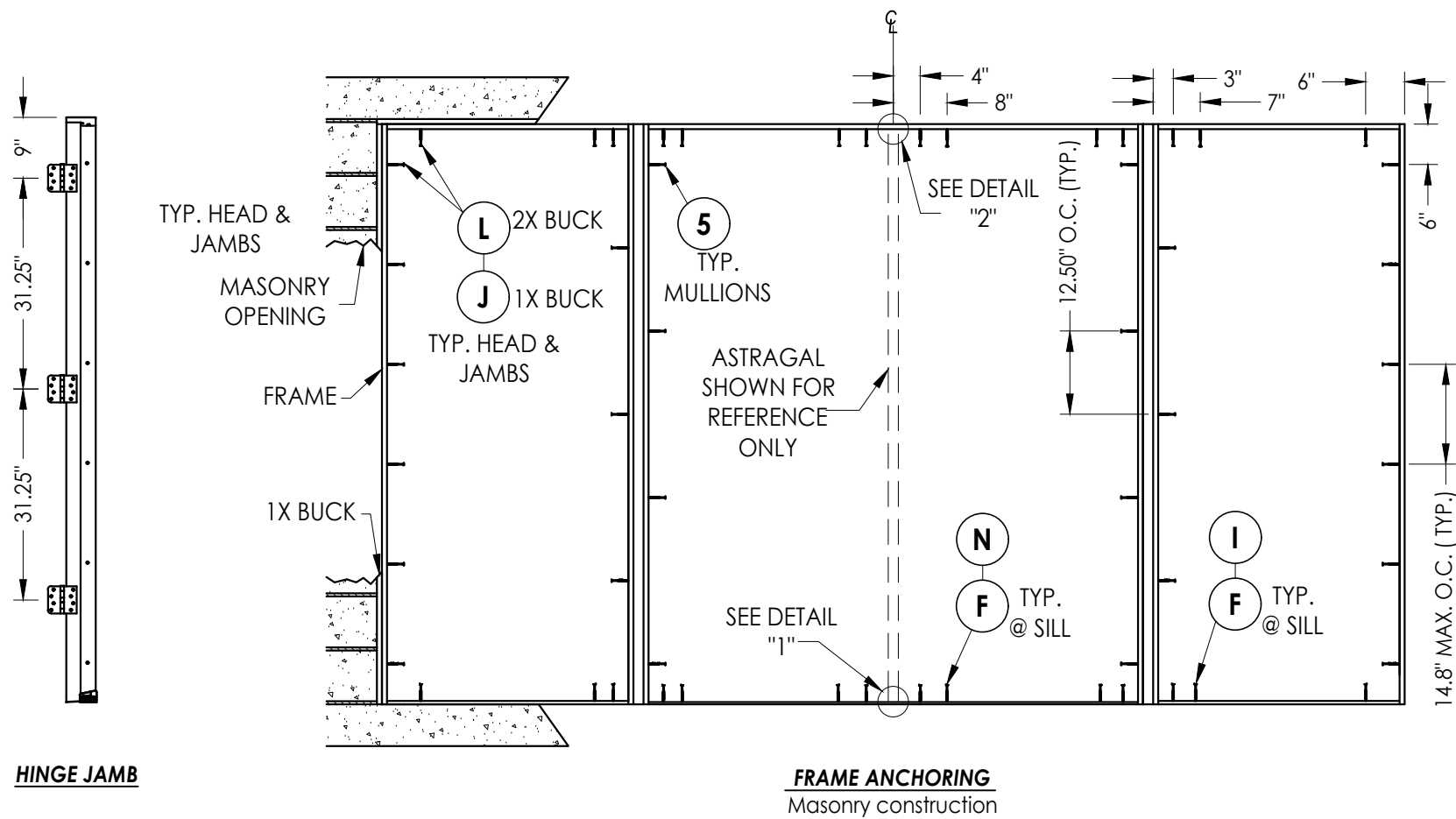
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FL-17184.14

SHEET 8 OF 12

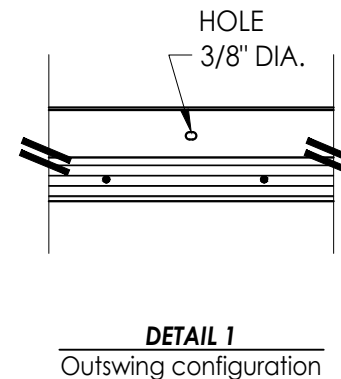
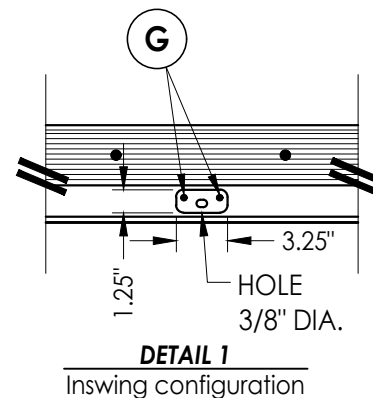
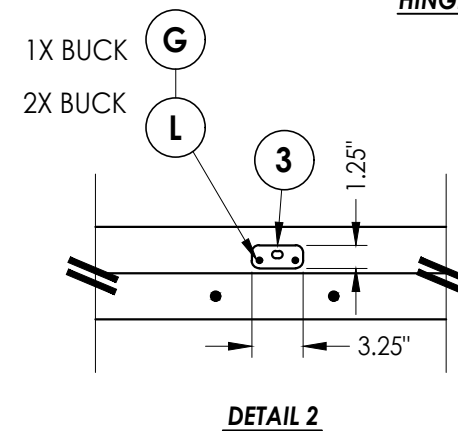
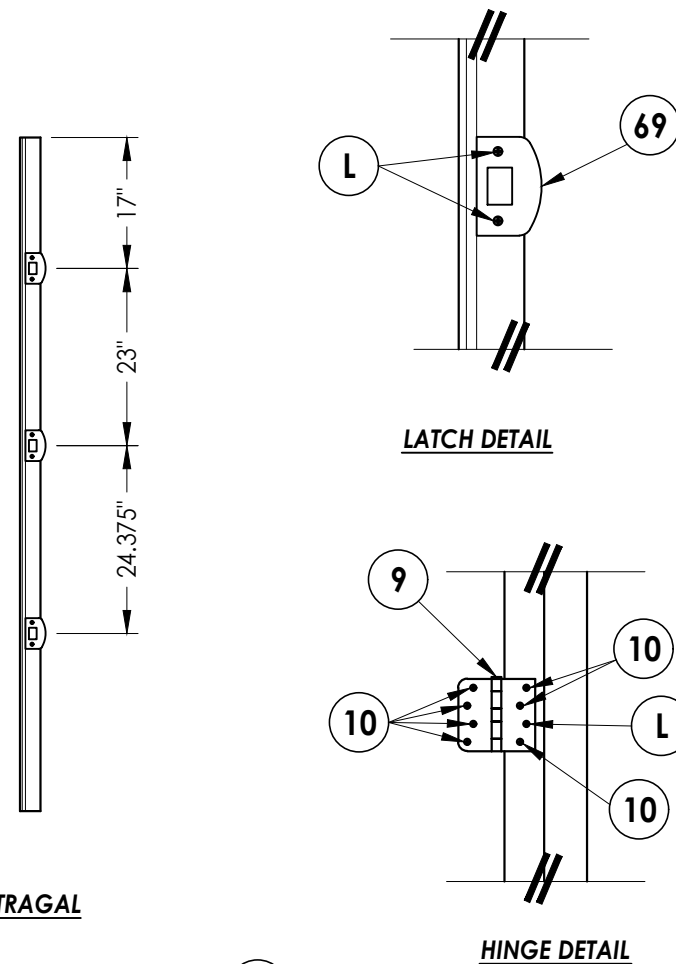
RW

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

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ASTRAGAL



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"
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.

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

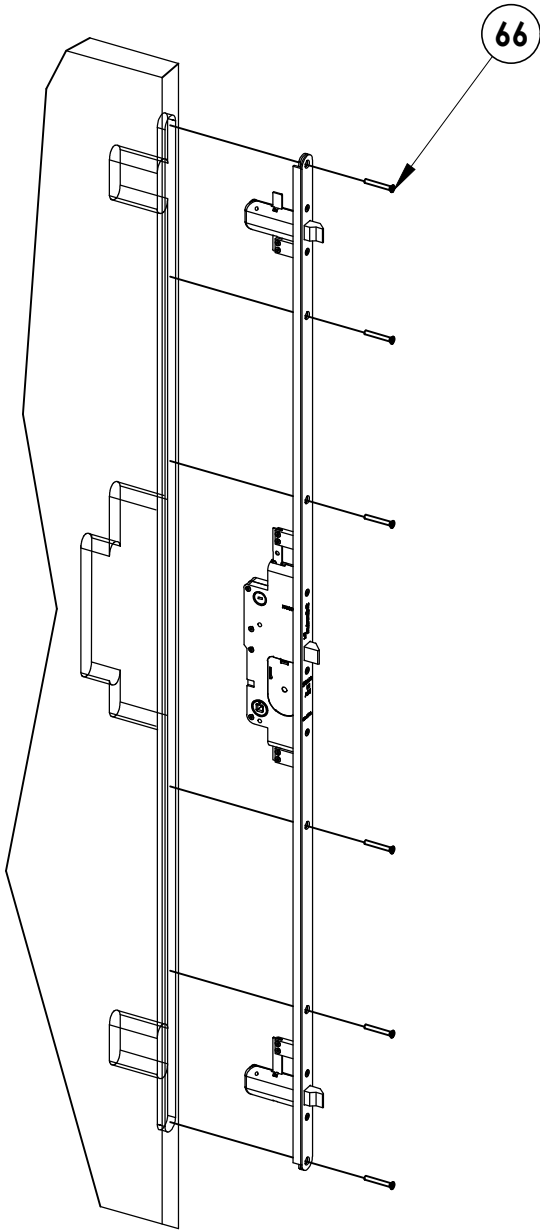
PRODUCT:
PLASTPRO
FIBERGLASS DOOR

PART OR ASSEMBLY:
FRAME ANCHORING
(OXO)

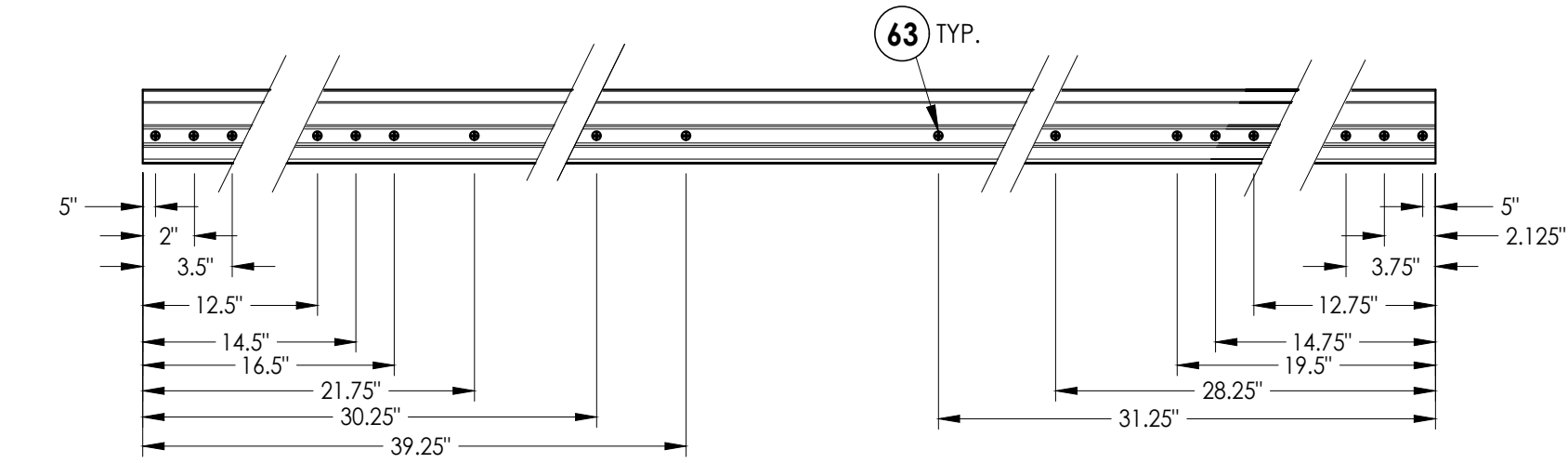
NO.	DATE	REVISIONS
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC
4	8/04/20	UPDATE TO 7TH ED. (2020) FBC
3	08/02/17	UPDATE TO 6TH ED. (2017) FBC
2	3/10/16	ADDED ADA O.S. BUMP THRESHOLD
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC
NO.	DATE	BY

DATE: 8/25/14
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-17184.14
SHEET 9 OF 12

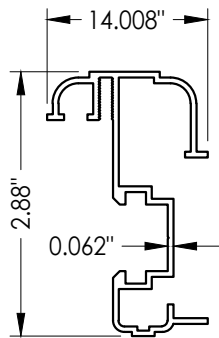
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



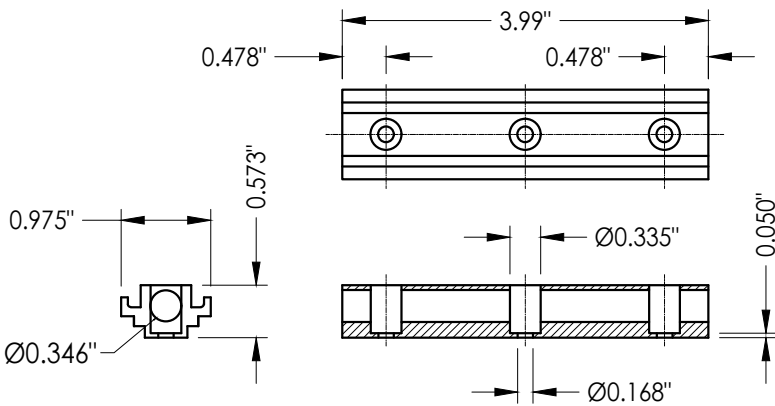
65 MULTI-POINT LOCK
Trilennium by Endura



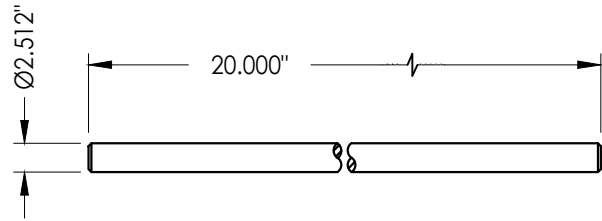
ASTRAGAL SCREW LOCATIONS



64 ASTRAGAL
By DLP



61 CONCEALED STIFFENER



62 SLIDE BOLT ROD
Typ. top & bottom
of astragal
top through 2.0"
bottom through 2.0"

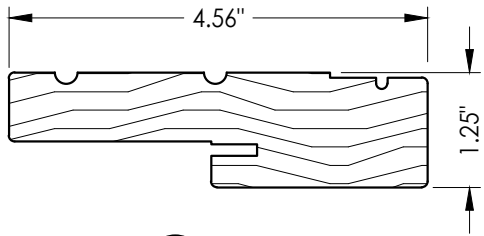
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DATE:	8/25/14
SCALE:	N.T.S.
DWG. BY:	AL
CHK. BY:	LFS
DRAWING NO.:	FL-17184.14
SHEET	10 OF 12

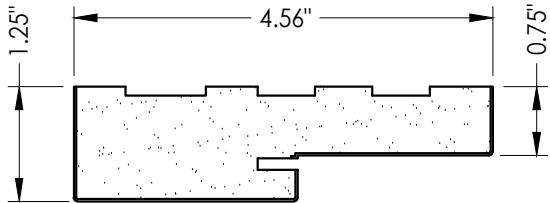
PRODUCT:	PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY:	ASTRAGAL & MULTI-POINT LOCK DETAILS

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

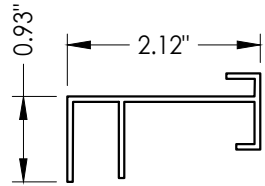
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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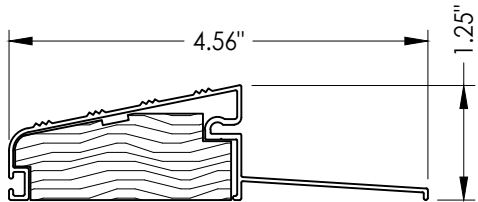
20 HEAD & SIDE
Jamb



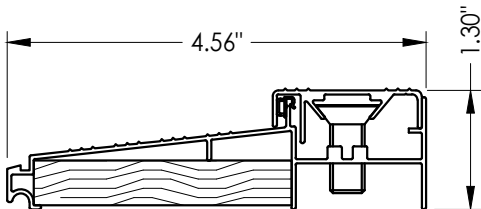
21 HEAD & SIDE
Poly fiber jamb



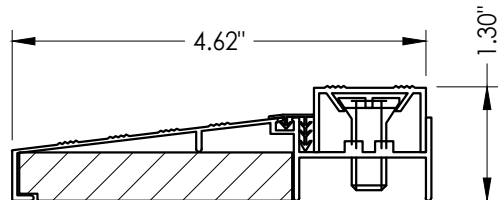
29 SIDELITE SPACER
ISSLB



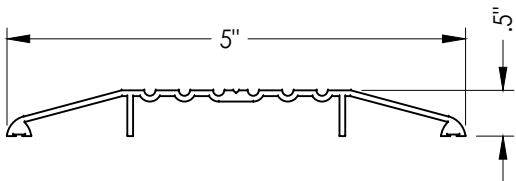
31 OUTSWING THRESHOLD
QOSH



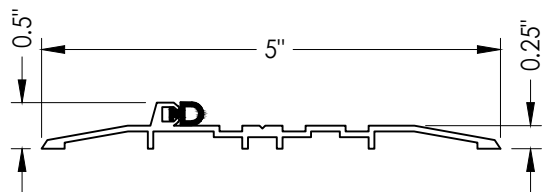
33 INSWING THRESHOLD
ISCS



34 SIDELITE THRESHOLD
ISH/ EIS



32 ADA SILL
ISHC



36 OUTSWING ADA BUMP THRESHOLD
OSHC

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DATE: 8/25/14

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

DRAWING NO.:
FL-17184.14

SHEET 11 OF 12

PRODUCT:
PLASTPRO
FIBERGLASS DOOR

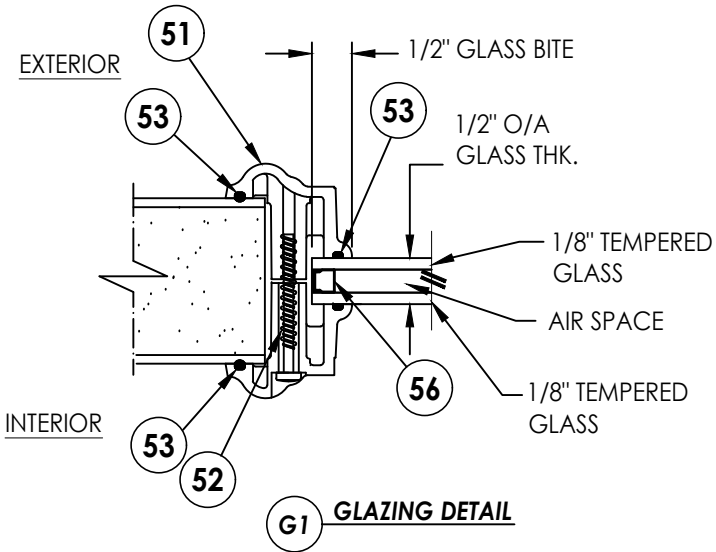
PART OR ASSEMBLY:
COMPONENTS

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

Z:\2023 EBC Drawings\Plastpro\FL-17184 R11\FL-17184.13-14.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
N	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
3	ASTRAGAL STRIKE PLATE	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	PVC
30	DOOR SWEEP	ALUM.
31	OUTSWING THRESHOLD BY DLP	ALUM. / WOOD
32	ADA THRESHOLD BY DLP	ALUM. / WOOD
33	INSWING THRESHOLD BY DLP	ALUM. / WOOD
34	SIDELITE THRESHOLD BY DLP	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	-
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
61	CONCEALED STIFFENER 6063-T6 BY PLASTPRO	ALUMINUM
62	SLIDE BOLT ROD	STEEL
63	#8 X 2" PPH SMS	STEEL
64	ASTRAGAL 6063-T5 ALUMINUM BY DLP	ALUMINUM
65	MULTI-POINT LOCK ASSEMBLY TRIENNium BY ENDURA	-
66	#10 X 1-1/2" PFH SCREW	ALUMINUM
67	BACKING PLATE	STEEL
69	MULTI-POINT STRIKE PLATE	ALUMINUM



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 FIBERGLASS DOOR					PART OR ASSEMBLY: BILL OF MATERIALS & GLAZING DETAIL				
5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC						LFS
4	8/04/20	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
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CHK. BY: LFS									
DRAWING NO.: FL-17184.14									
SHEET 12 OF 12									