

L. F. SCHMIDT

LICENSE

No. 43409

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Digitally signed by Lyndon F Schmidt

Date: 2026.08.04 10:49:48 -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 DOUBLE DOOR w/ or w/out SIDELITES INSWING / OUTSWING "IMPACT"

GENERAL NOTES

1.

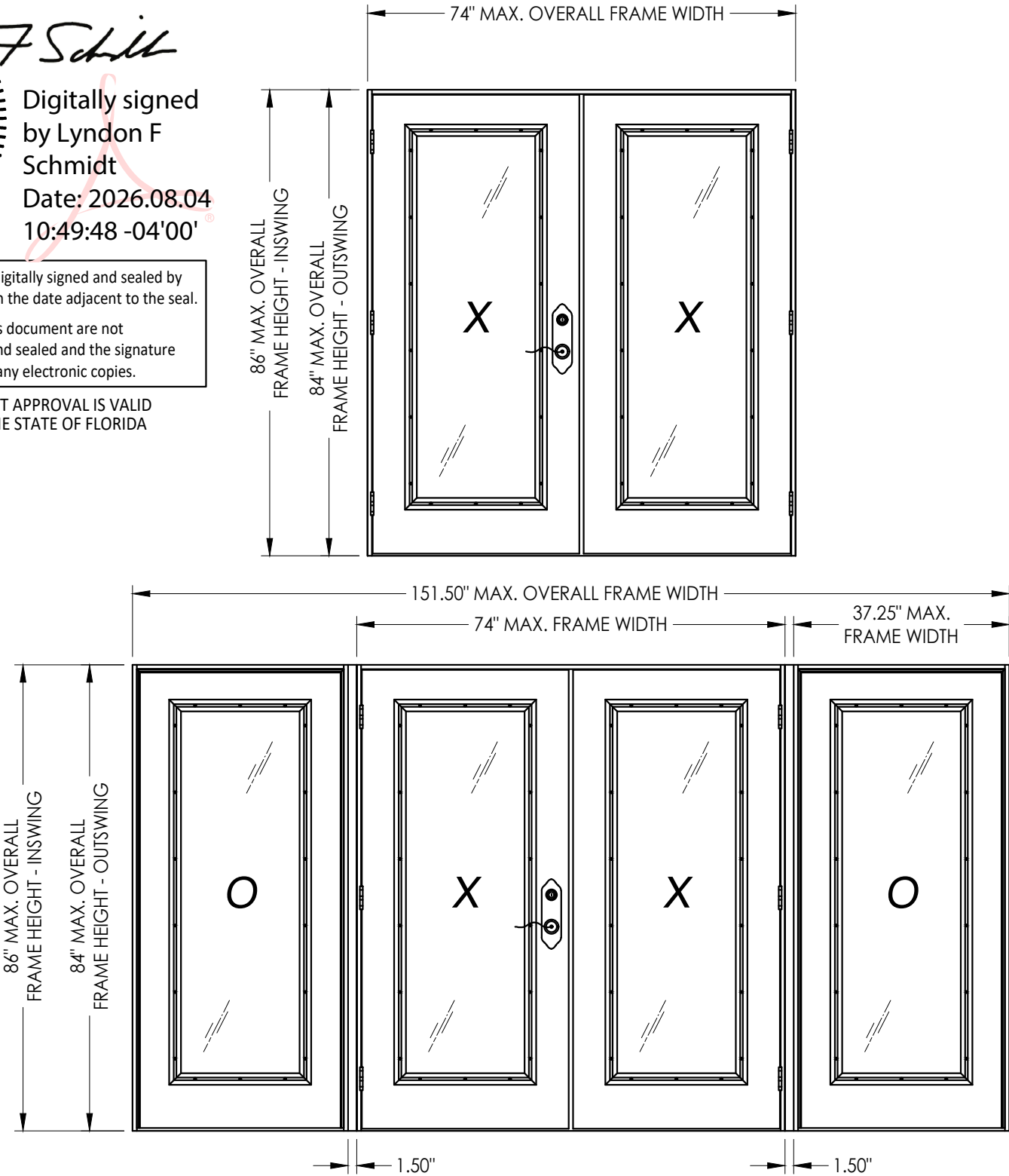
This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2.

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.



CONFIGURATION	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
				POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 86.0"	20.63" x 62.63"	G1	+50.0	-55.0	+50.0	-50.0
OXXO	151.5" 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 ELEVATION, 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

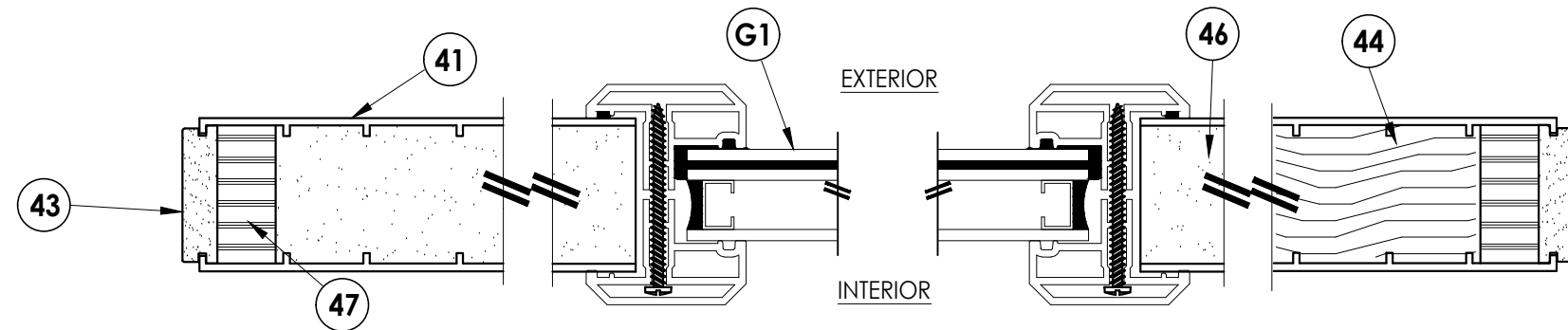
CHK. BY: LFS

DRAWING NO.: FL-17184.16

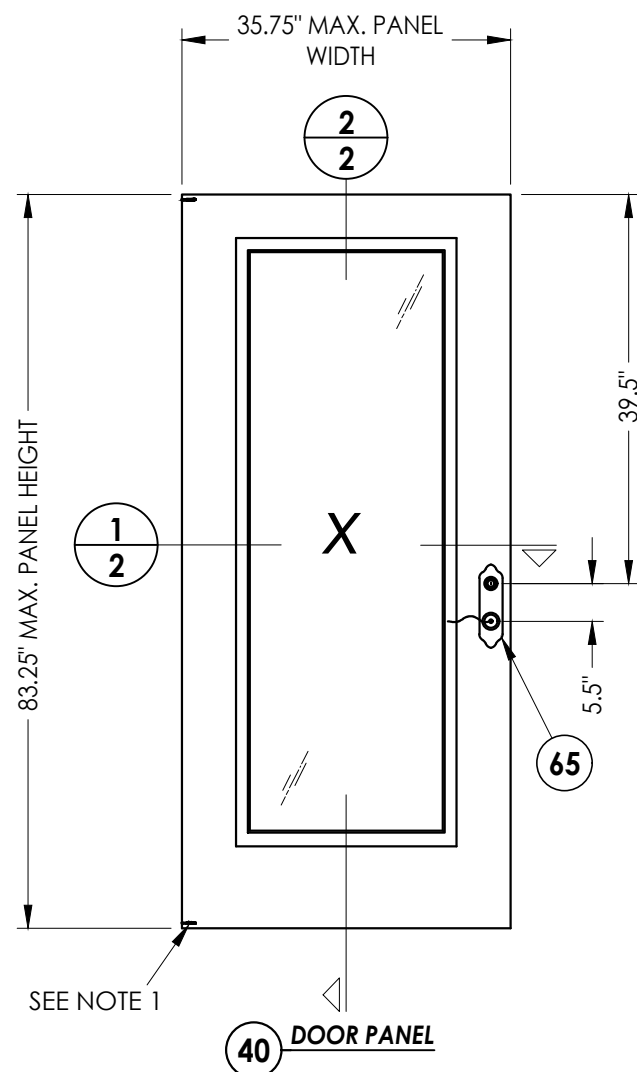
SHEET 1 OF 12

RW

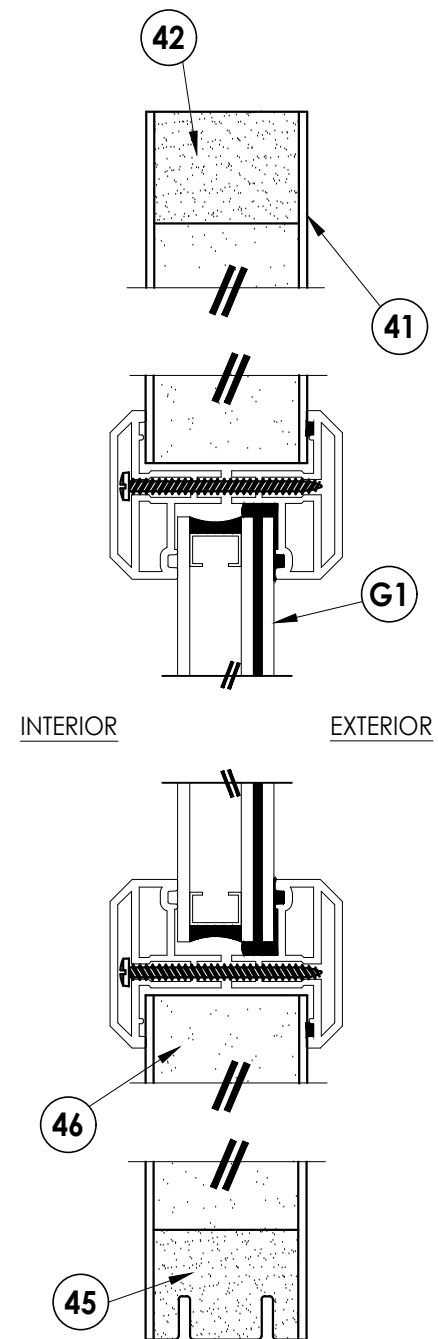
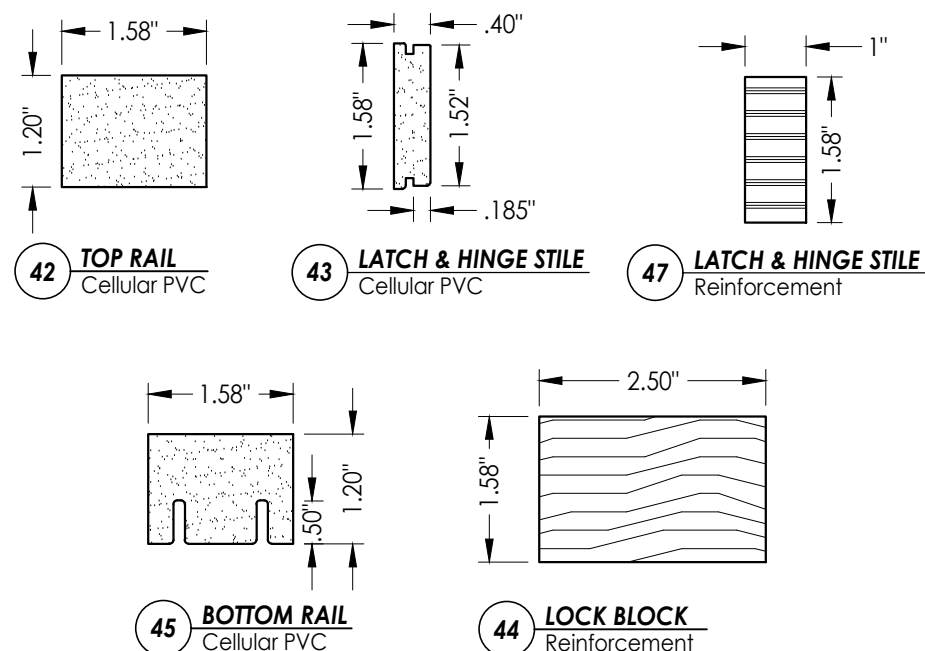
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



1 2 HORIZONTAL CROSS SECTION



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



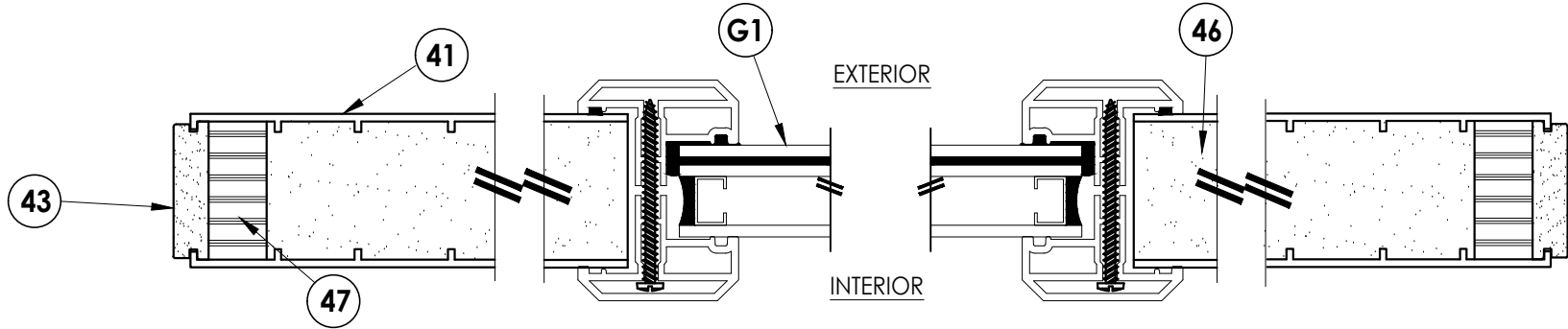
2 VERTICAL CROSS SECTION
2

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-17184.16						
SHEET 2 OF 12						

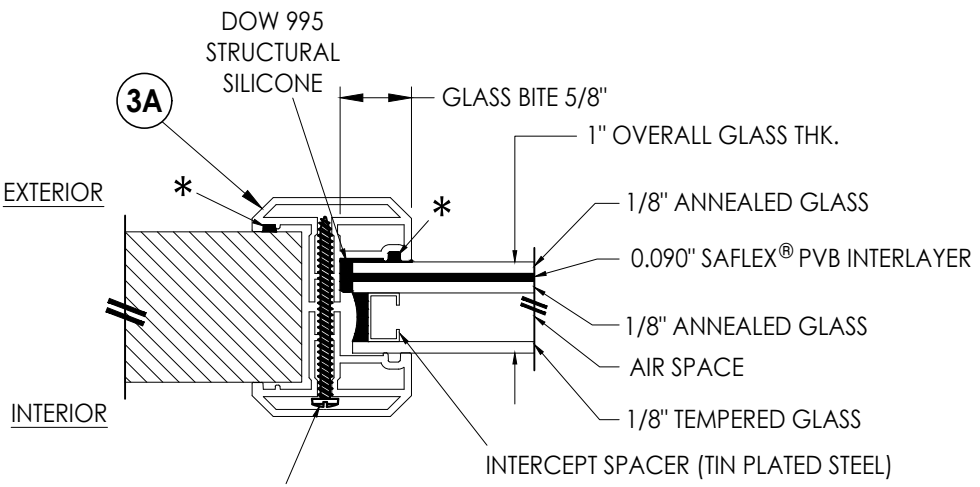
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

R^W 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-17184.15-16.dwg



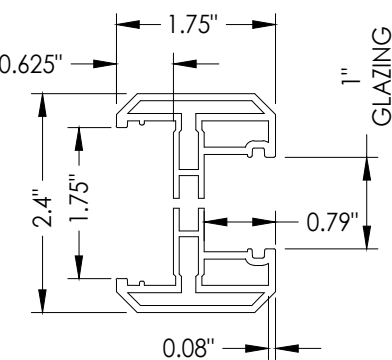
1
3 **HORIZONTAL CROSS SECTION**



G1 **GLAZING DETAIL**
ODL "FLAT FRAME"

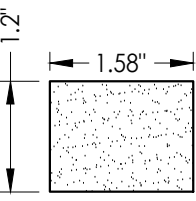
* NON-STRUCTURAL
BACKBEDDING SEALANT
(READI-SEAL)

#8 X 2" PPH SMS

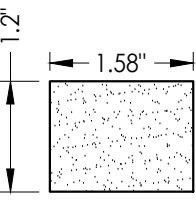


3A **ODL LITE FRAME**
"FLAT FRAME" PROFILE
(6063-T5 ALUM)

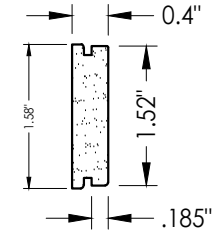
45 **BOTTOM RAIL**
Cellular PVC



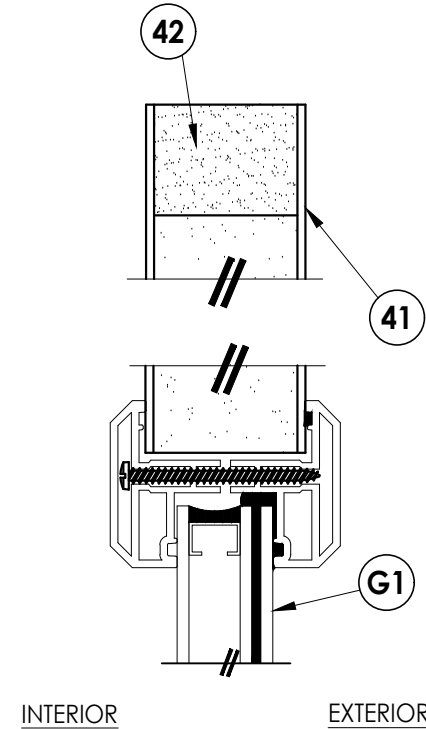
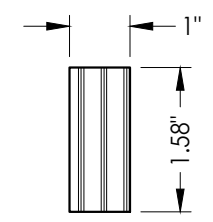
42 **TOP RAIL**
Cellular PVC



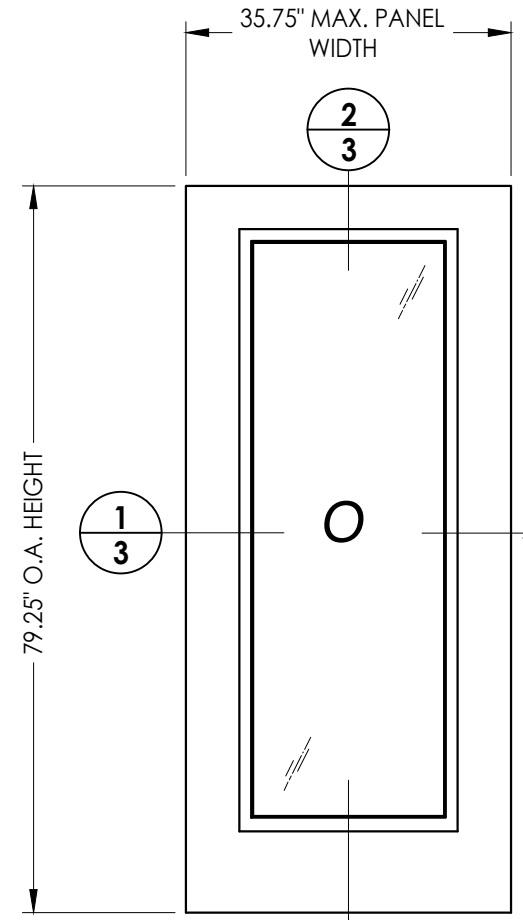
43 **LATCH & HINGE STILE**
Cellular PVC



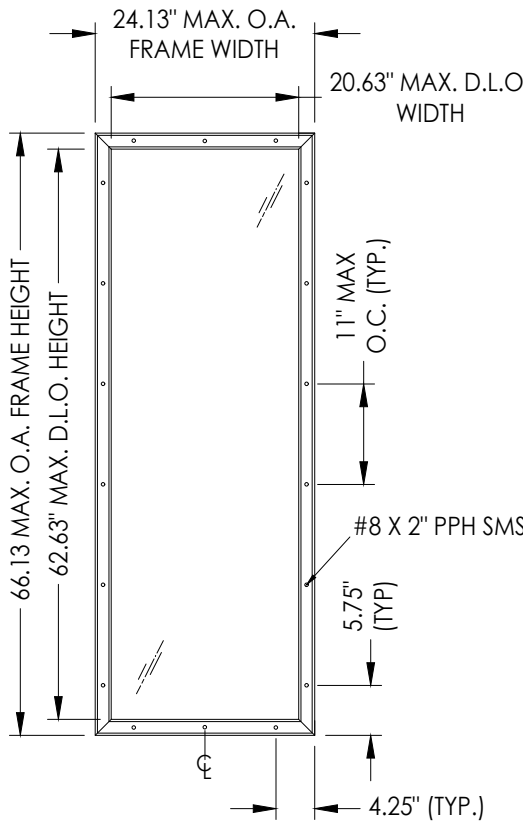
47 **LATCH & HINGE STILE**
Reinforcement



2
3 **VERTICAL CROSS SECTION**



50 **SIDELITE PANEL**



ODL LITE FRAME DETAIL
"FLAT FRAME" PROFILE

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

PRODUCT:
PLASTPRO INC.
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:
SIDELITE PANEL DETAILS
& GLAZING DETAIL

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

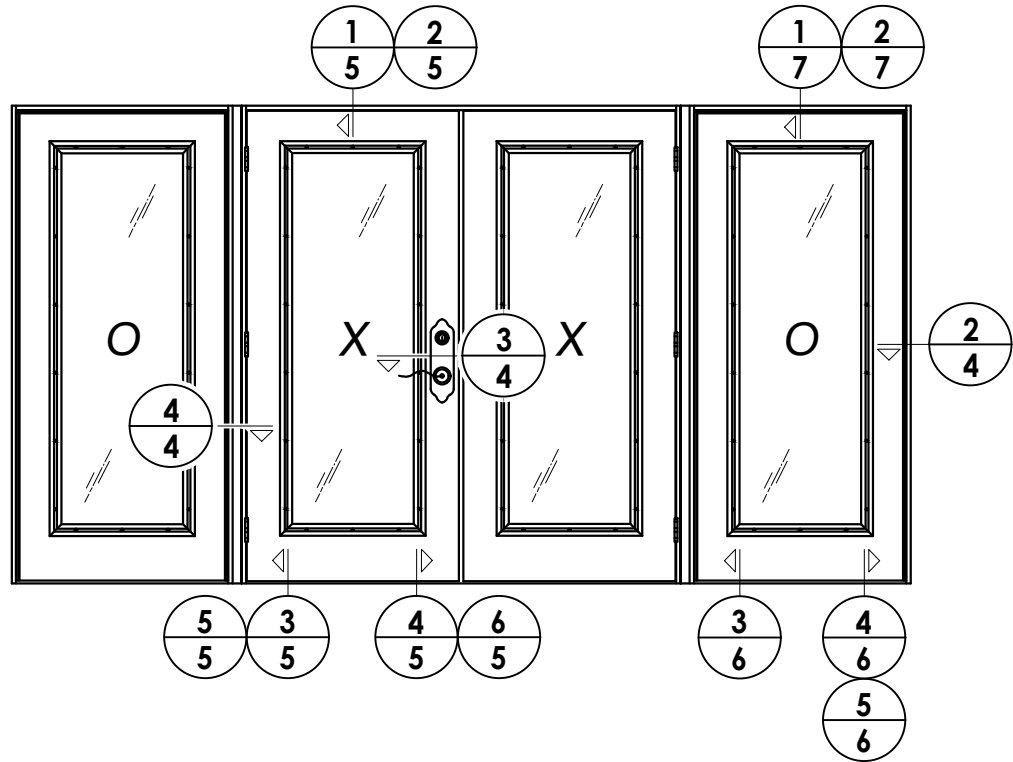
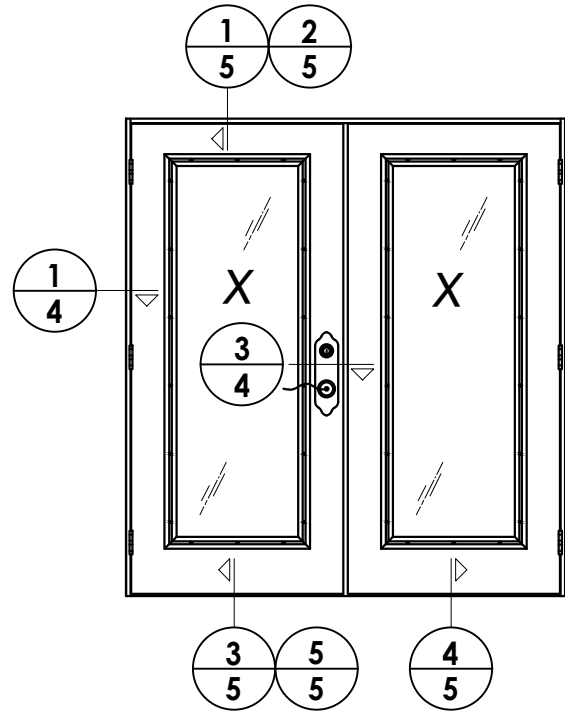
SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

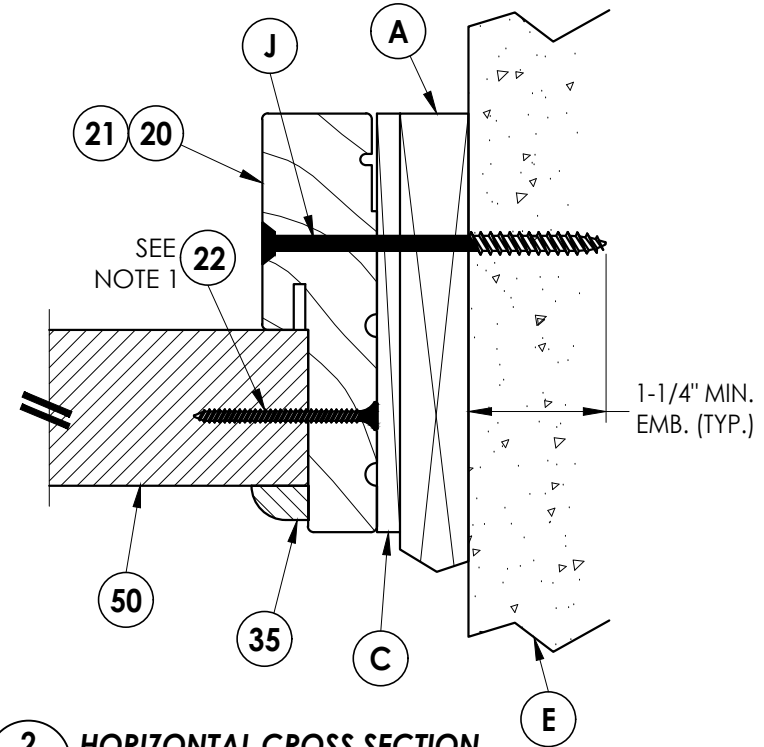
DRAWING NO.: FL-17184.16

SHEET 3 OF 12

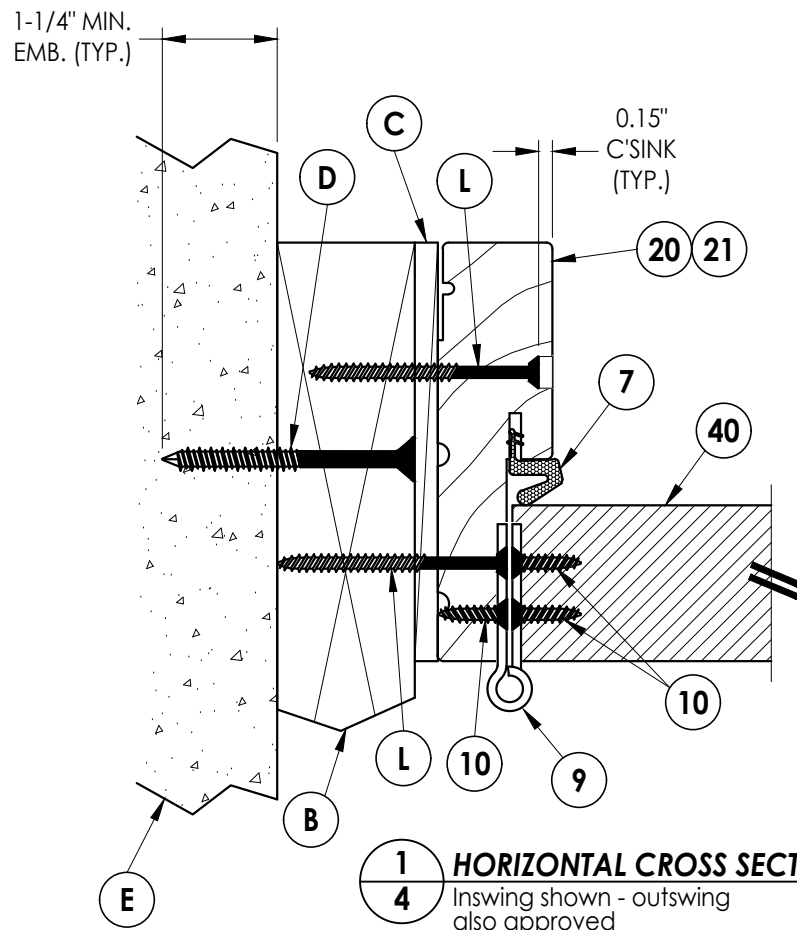


EXTERIOR

INTERIOR



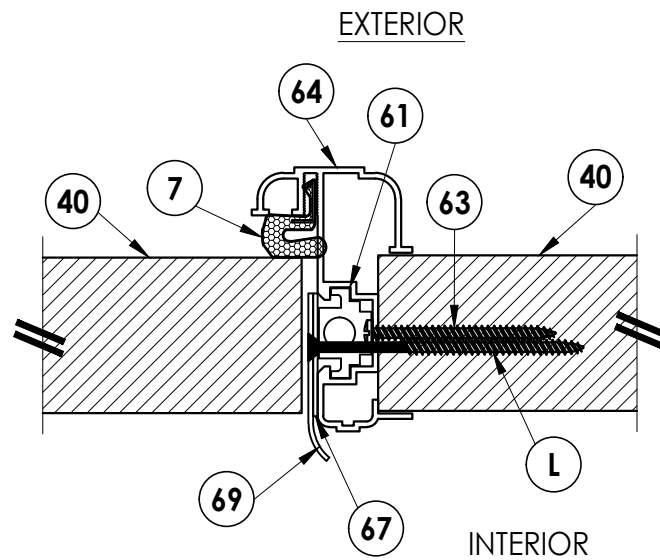
2/4 HORIZONTAL CROSS SECTION
Shown w/1X sub-buck



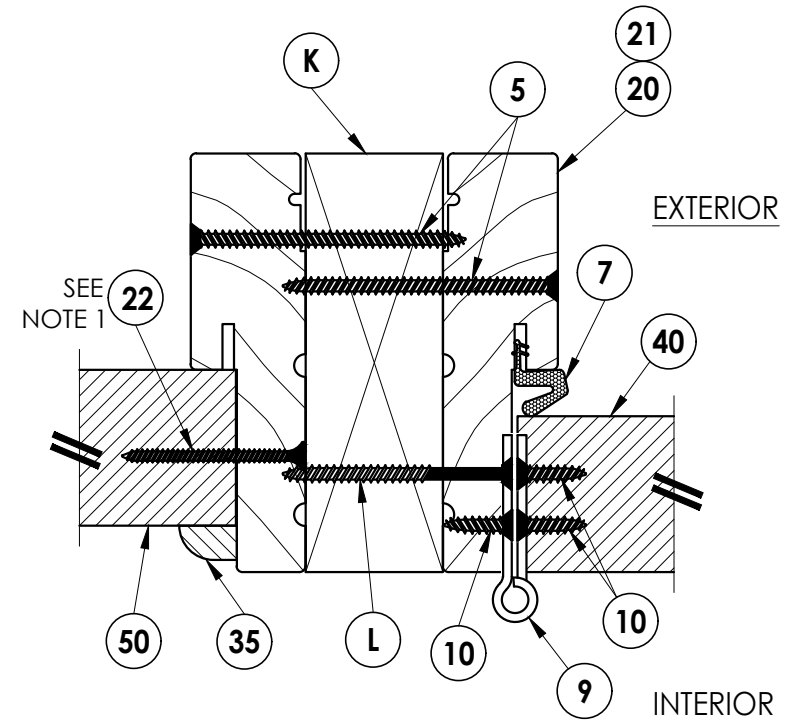
1/4 HORIZONTAL CROSS SECTION
Inswing shown - outswing also approved

EXTERIOR

INTERIOR



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

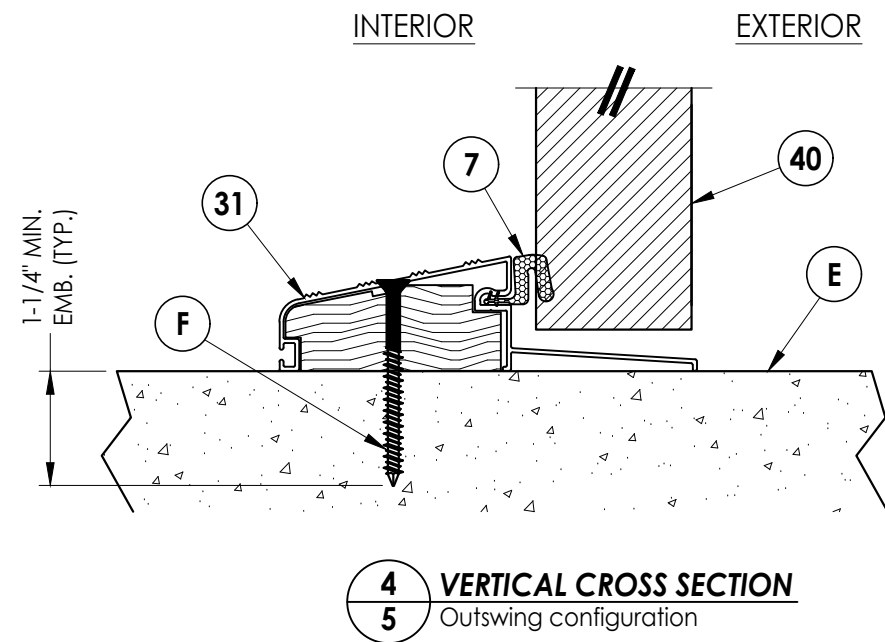
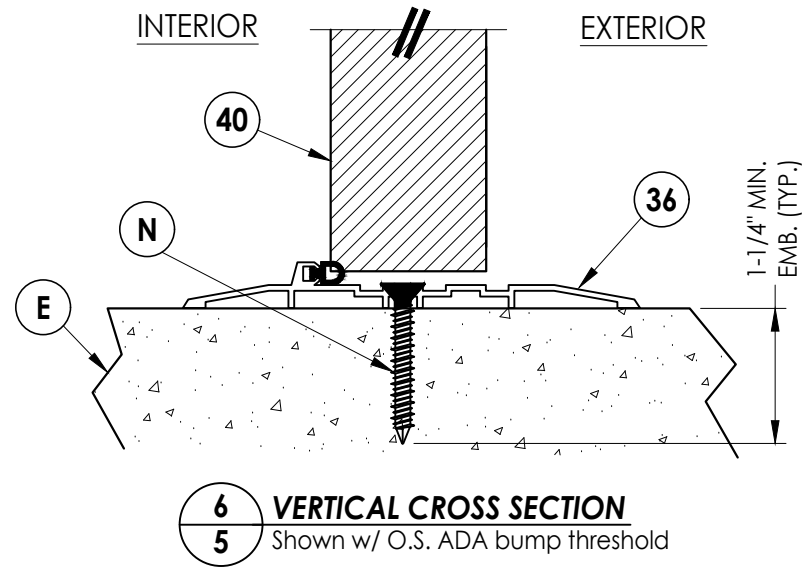
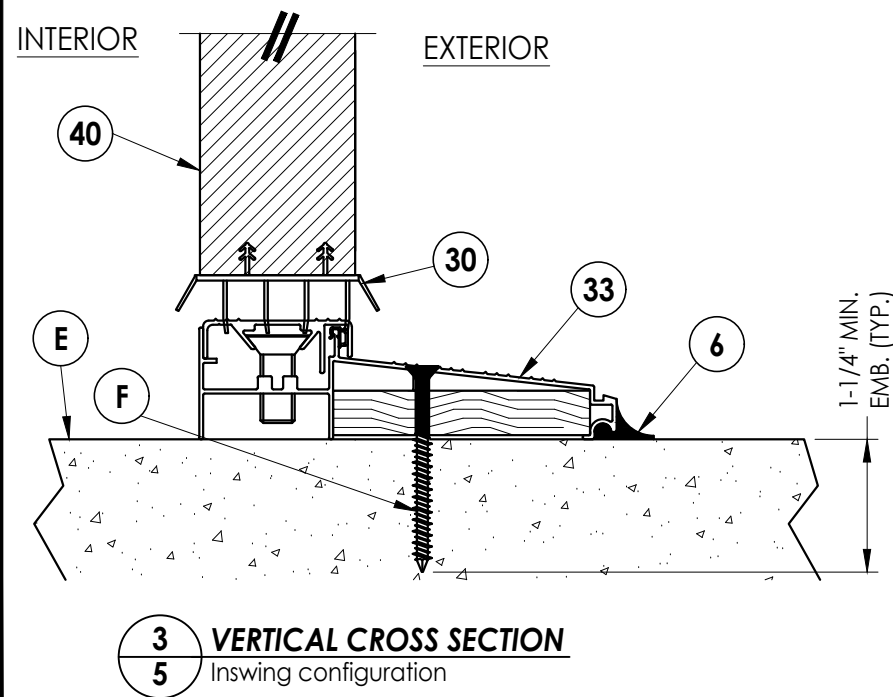
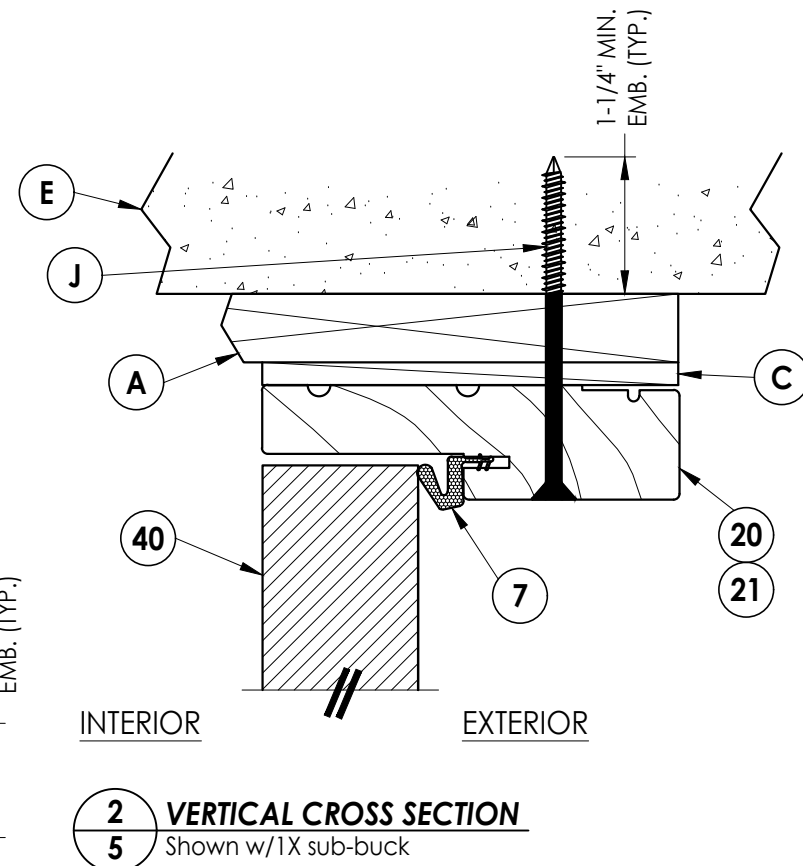
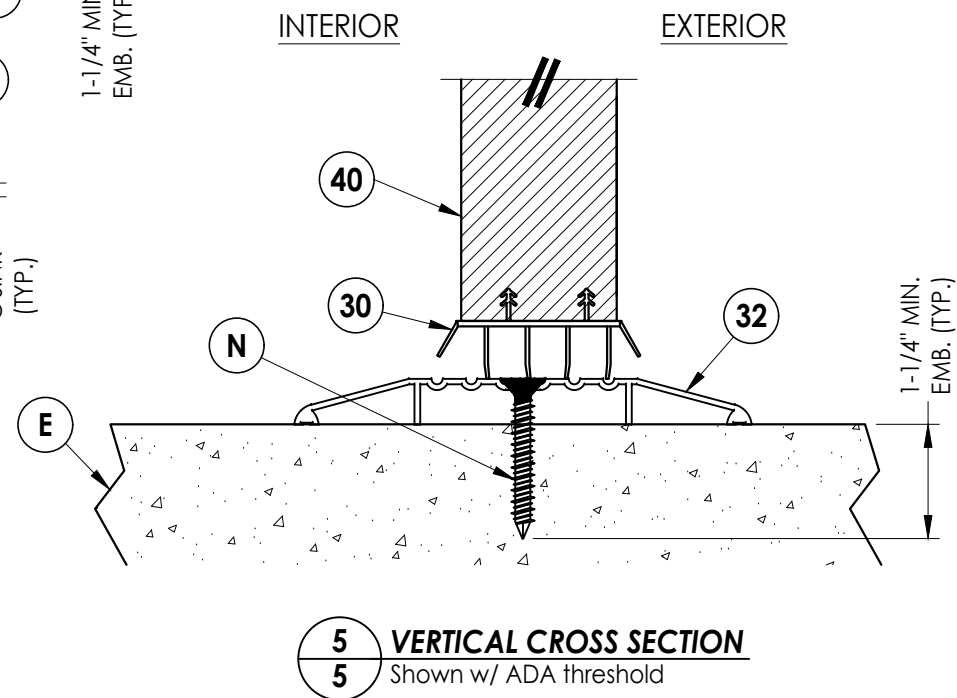
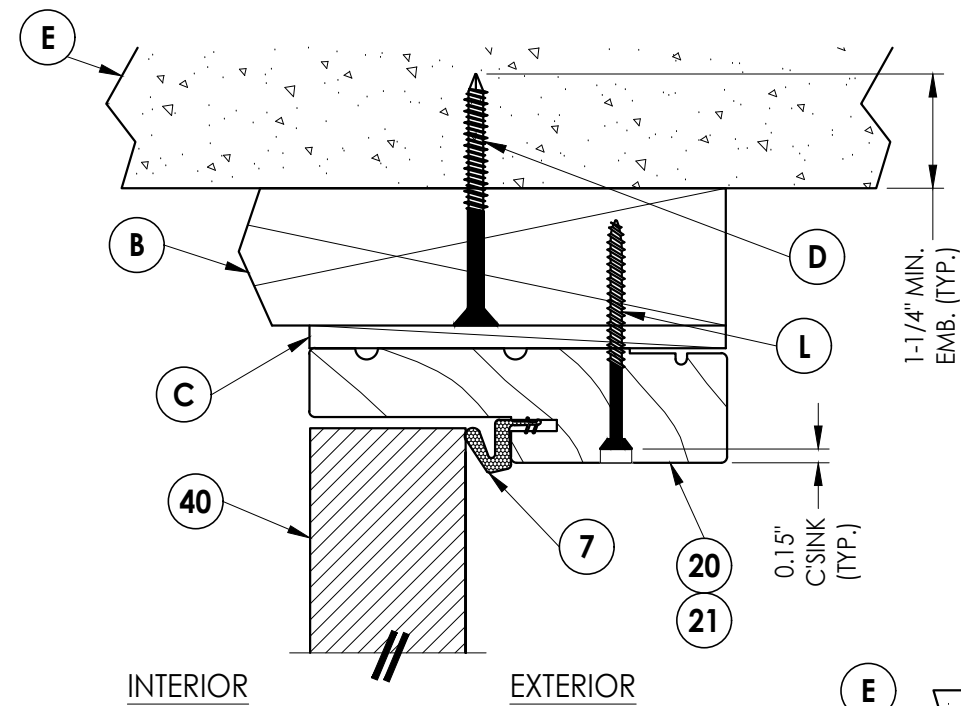
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL 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

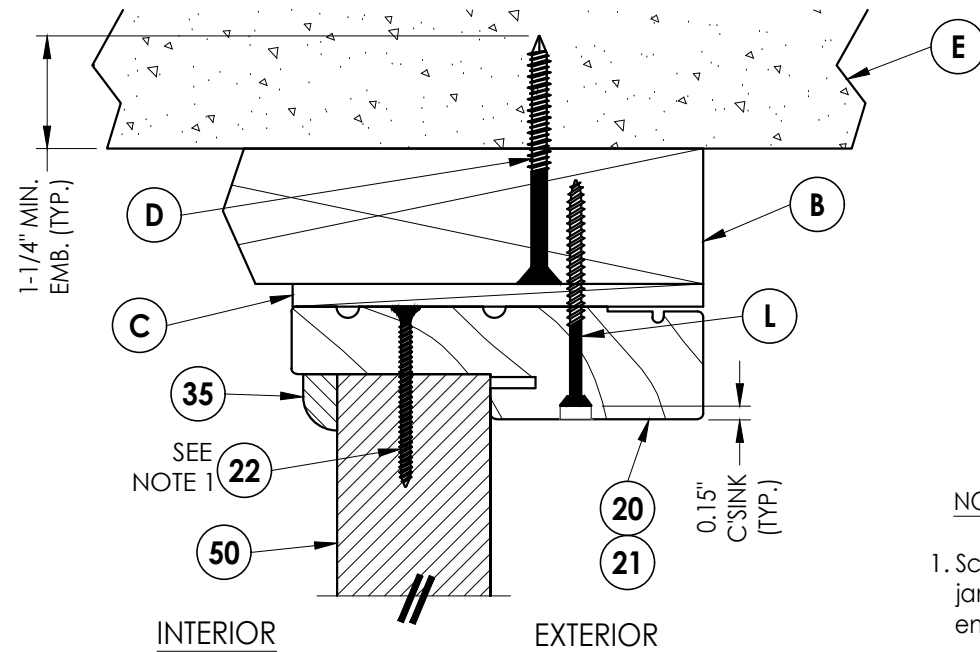
DATE: 8/25/14
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-17184.16
SHEET 4 OF 12



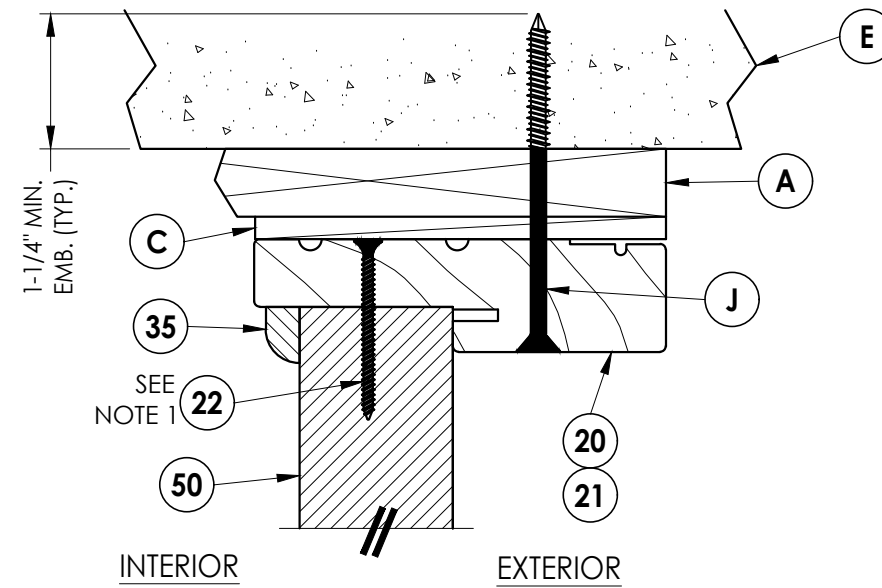
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

DATE: 8/25/14		PRODUCT: PLASTPRO INC. FIBERGLASS DOOR	
SCALE: N.T.S.		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
DWG. BY: AL			
CHK. BY: LFS			
DRAWING NO.: FL-17184.16			
SHEET 5 OF 12			
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			



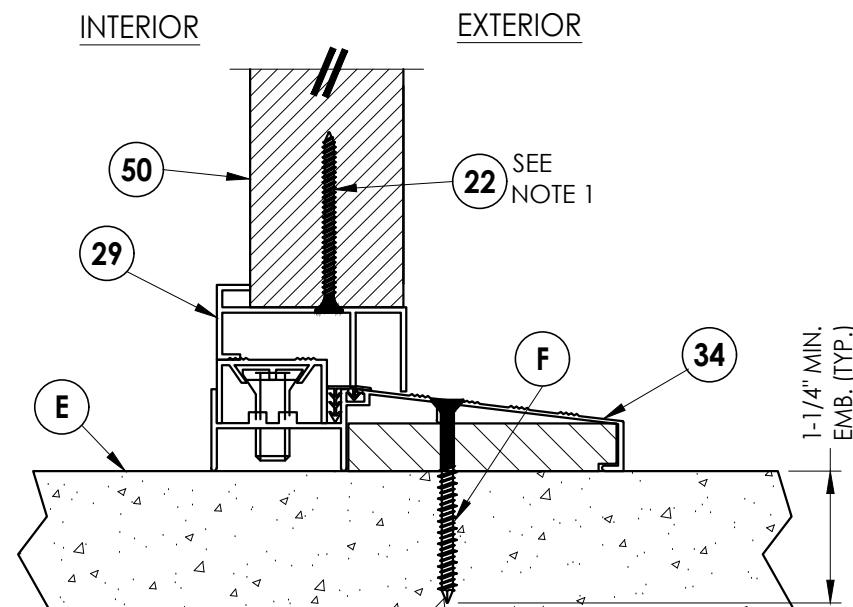
1 **VERTICAL CROSS SECTION**
6 Inswing shown - outswing
also approved



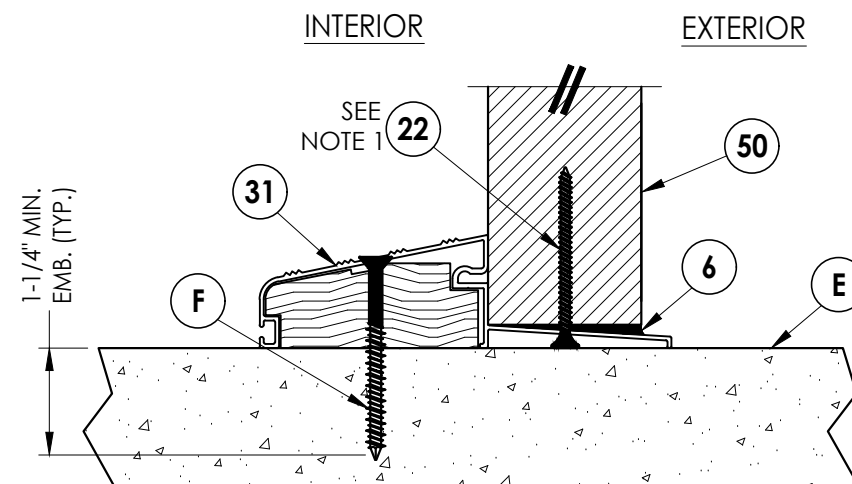
2 **VERTICAL CROSS SECTION**
6 Shown w/1X sub-buck

NOTE:

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

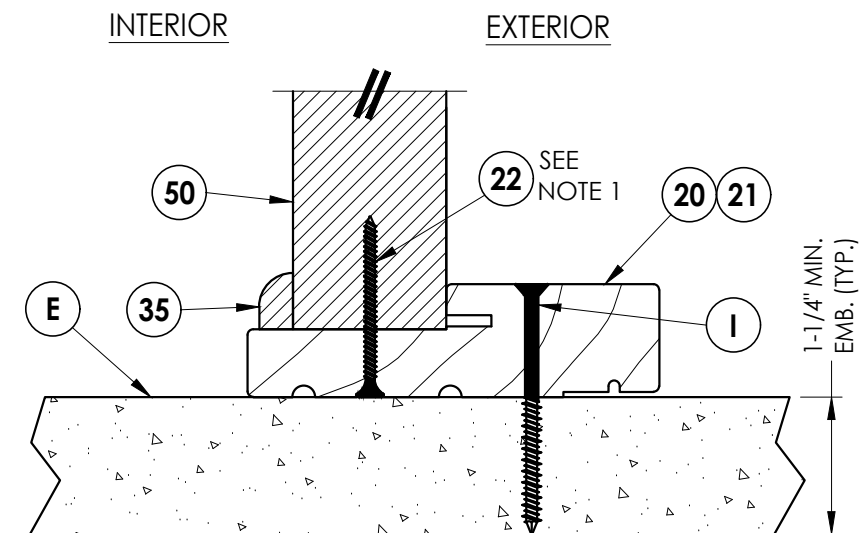


3 VERTICAL CROSS SECTION
6 Inswing configuration



4 VERTICAL CROSS SECTION

6 Outswing configuration



5 VERTICAL CROSS SECTION

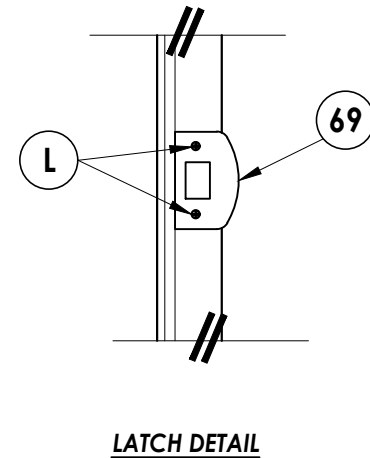
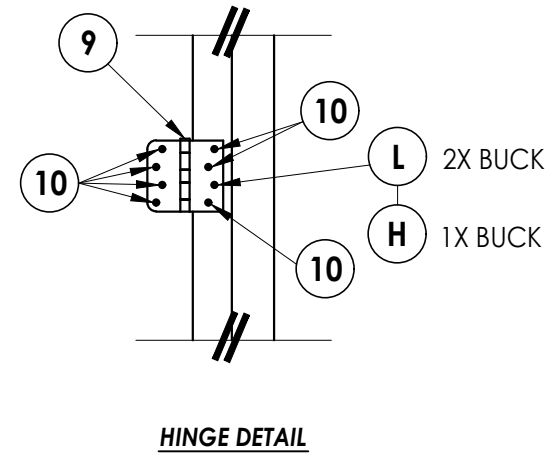
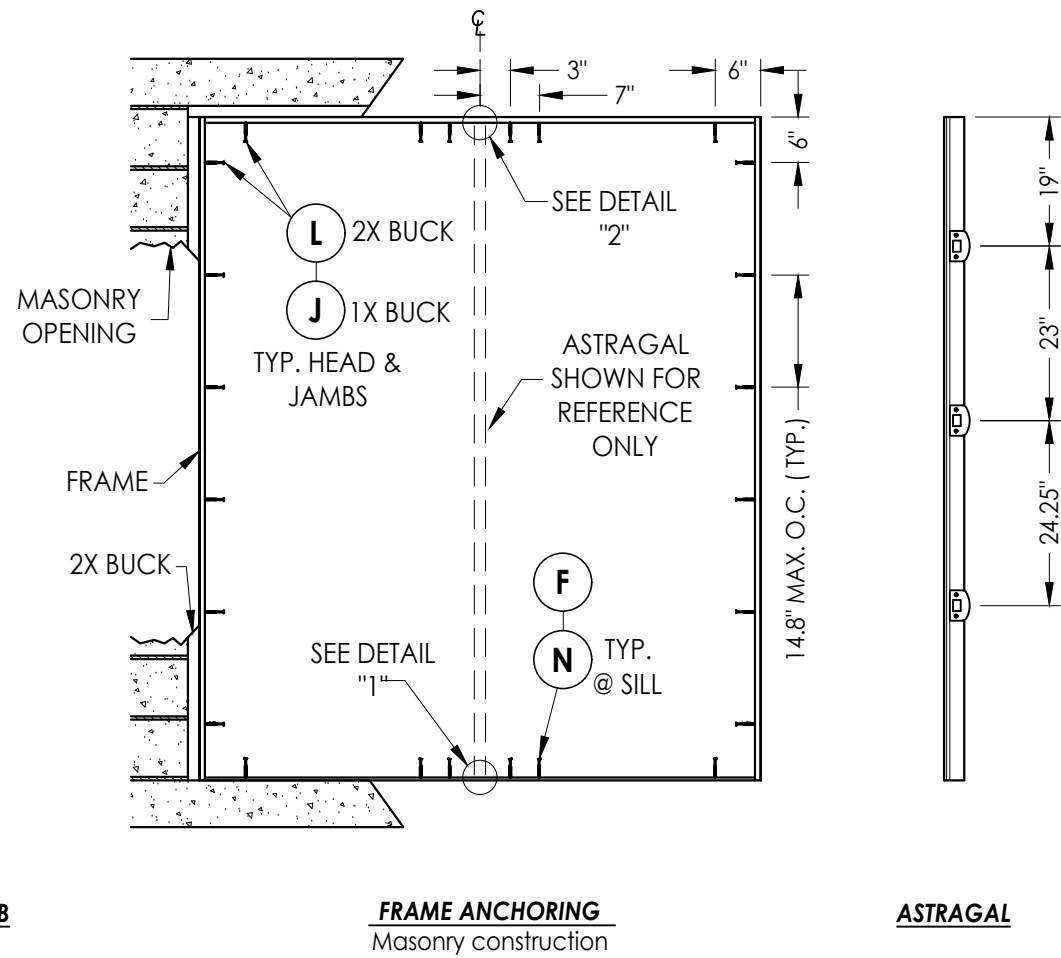
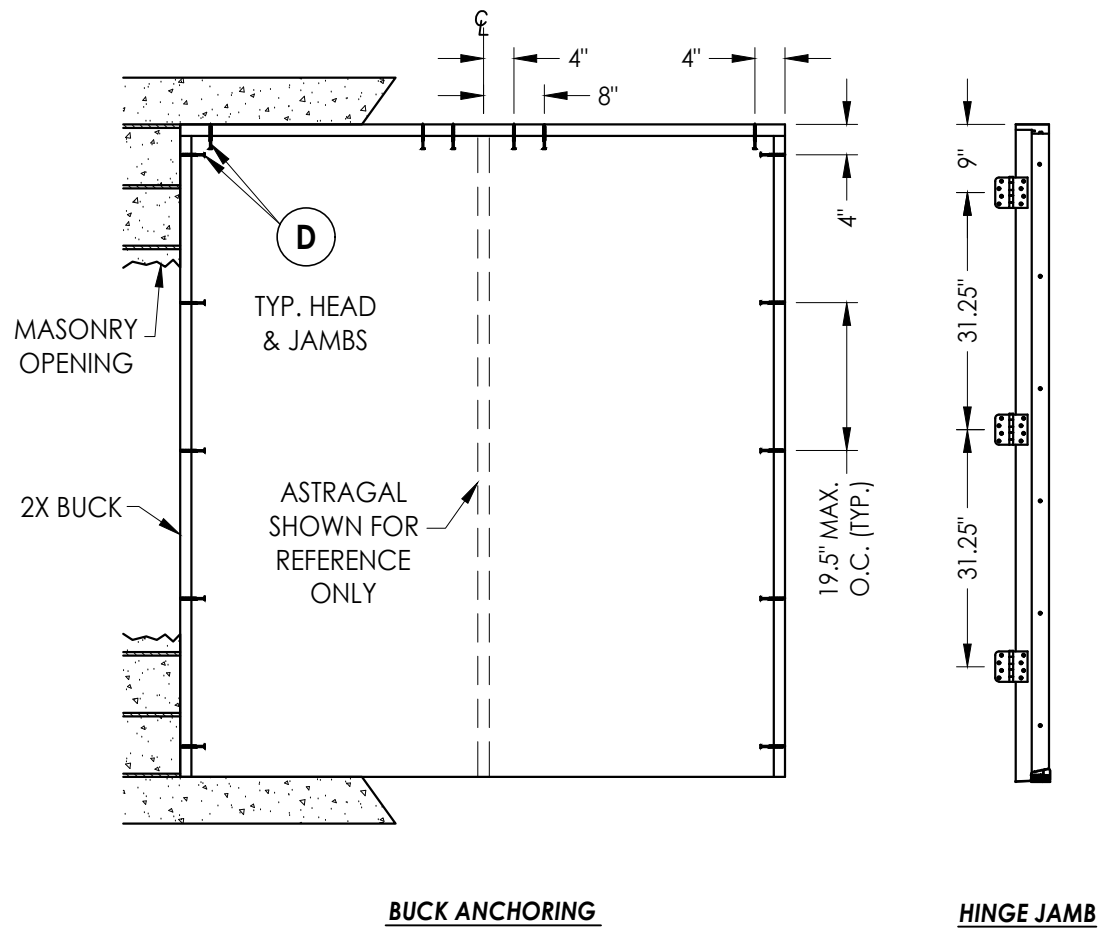
6 Outswing configuration

DATE: 8/25/14		PRODUCT: PLASTPRO INC. FIBERGLASS DOOR	
SCALE: N.T.S.		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
DWG. BY: AL			
CHK. BY: LFS			
DRAWING NO.: FL-17184.16			
SHEET 6 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-17184.15-16.dwg



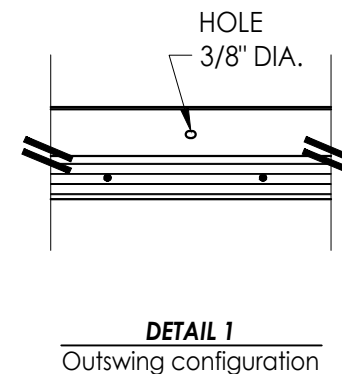
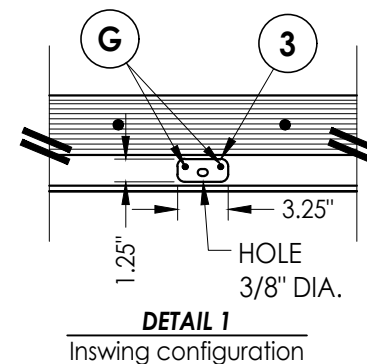
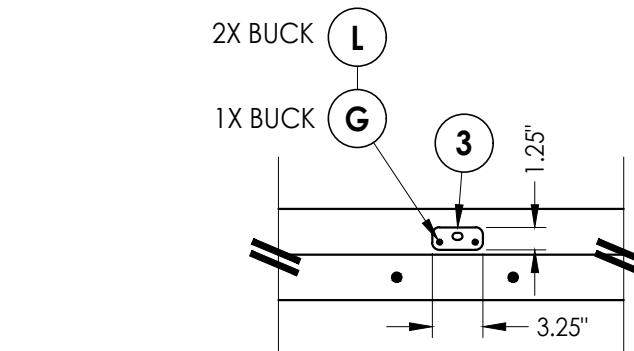
CONCRETE ANCHOR NOTES:

- 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 INC.
FIBERGLASS DOOR

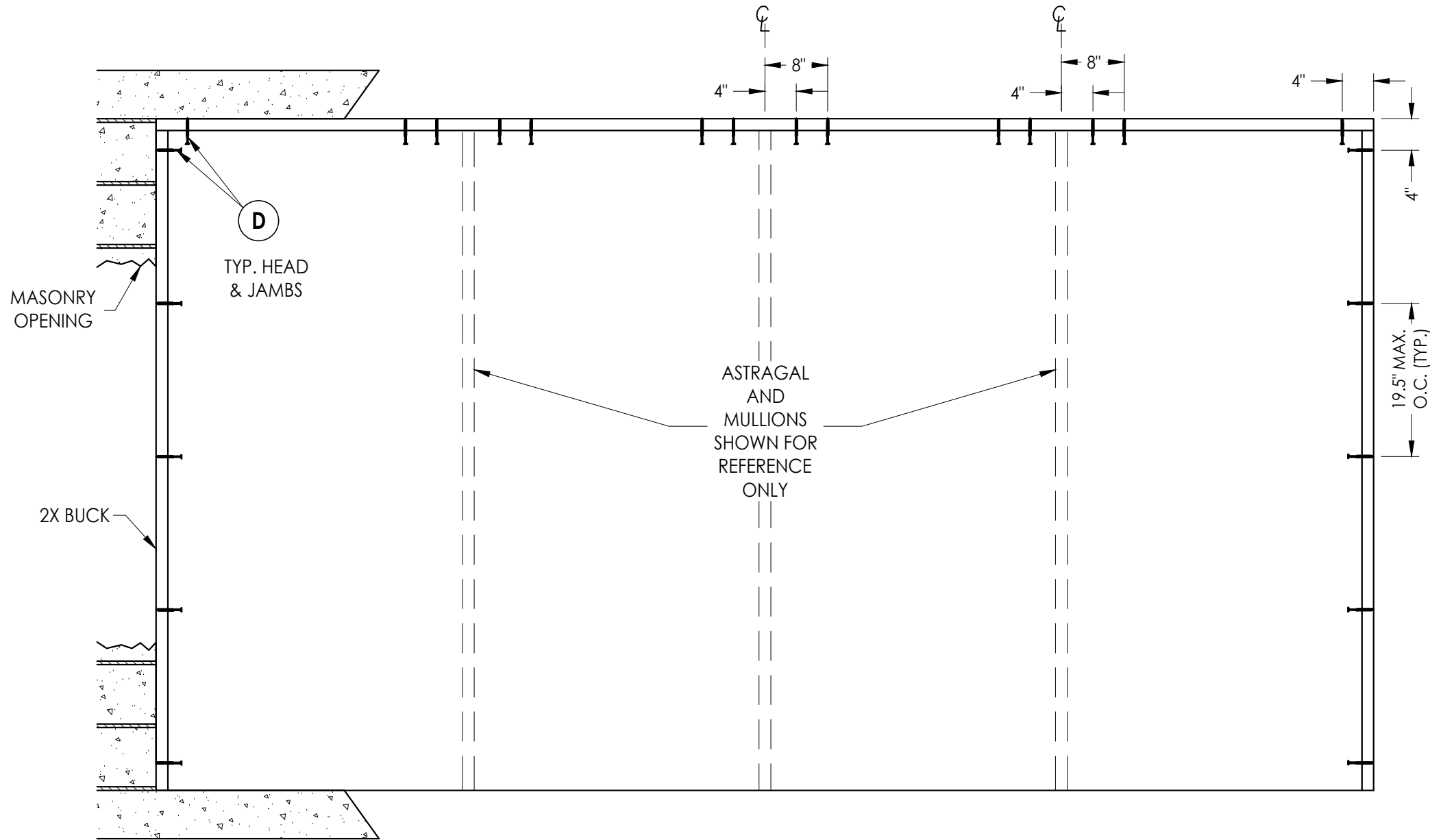
PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
(XX)

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: AL
CHK. BY: LFS
DRAWING NO.: FL-17184.16
SHEET 7 OF 12

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

G:\2023 EBC DRAWINGS 7-27-26\Plastro\FL-17184 R11\FL-17184.15-16.dwg



BUCK ANCHORING

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:

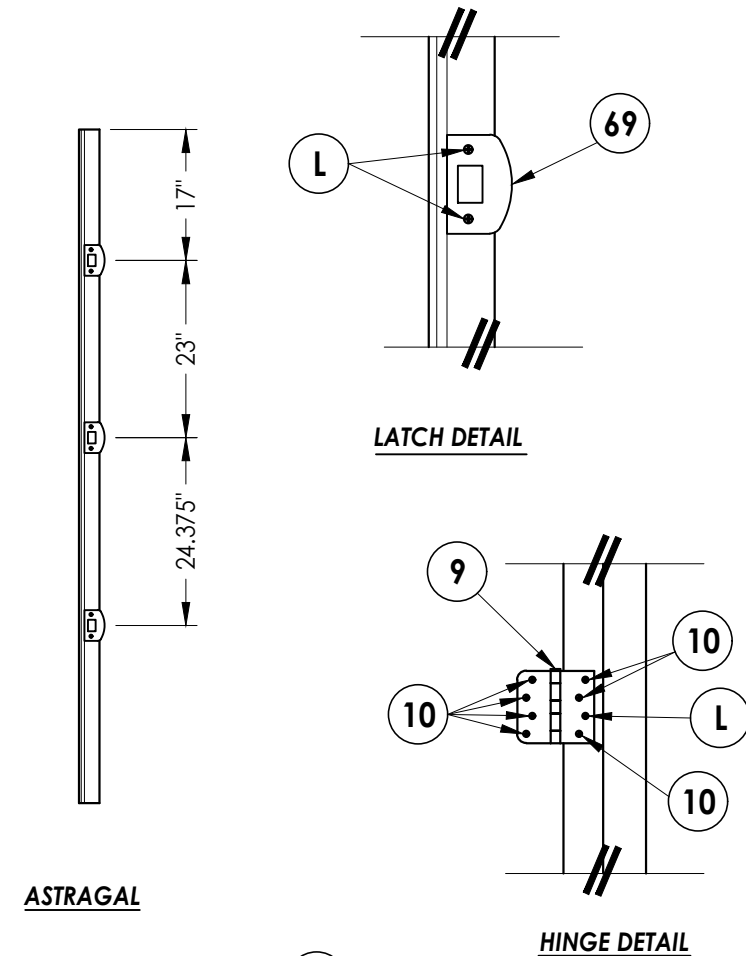
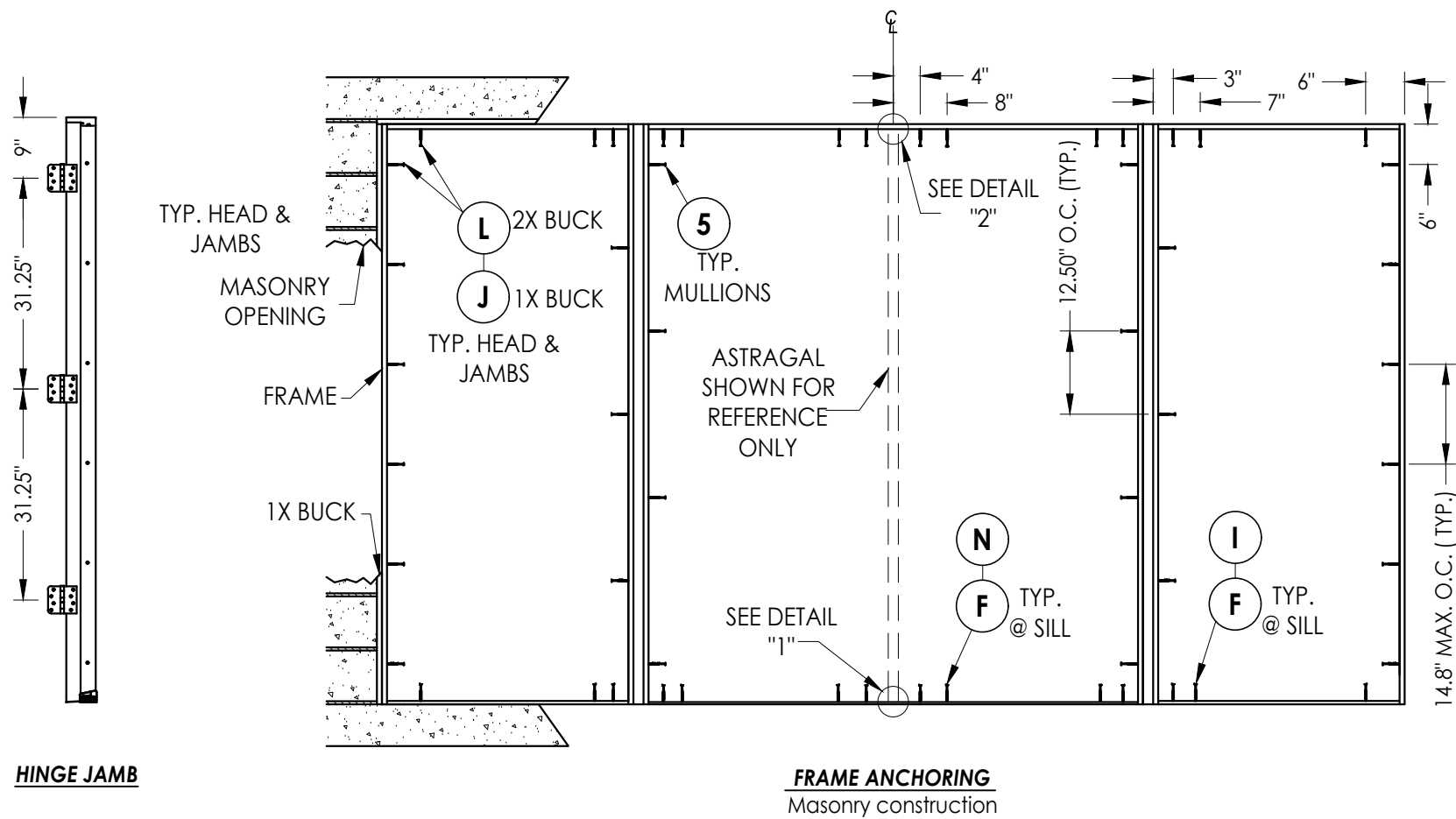
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+®	1/4"	1-1/4"	1"	4"

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										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 ANCHORING (OXXO)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-17184 R11\FL-17184.15-16.dwg



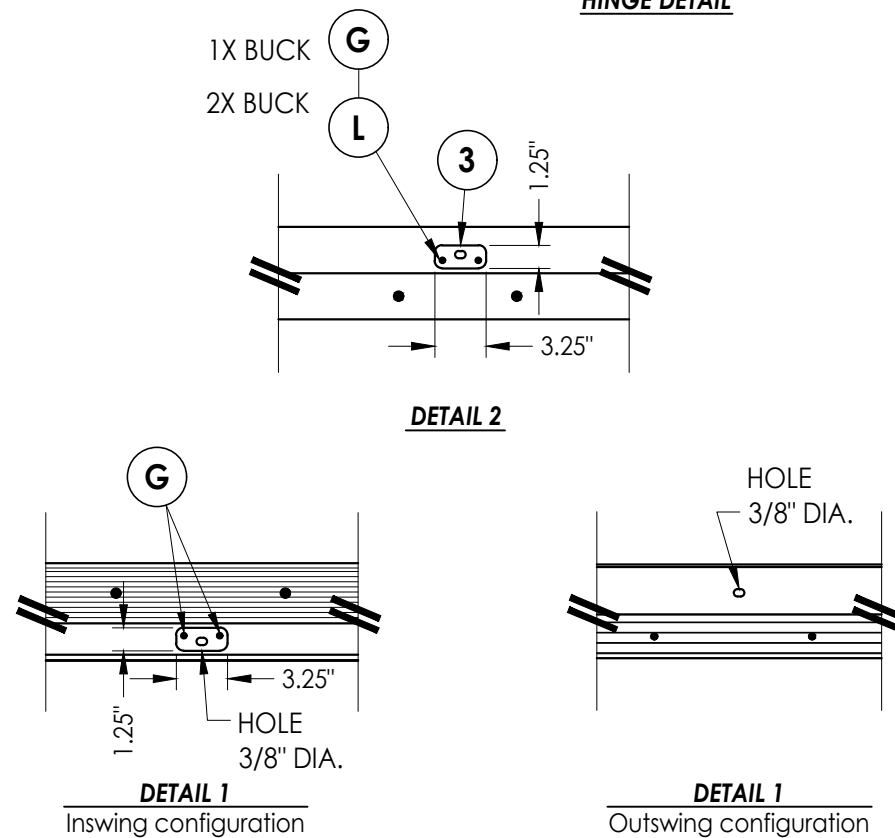
CONCRETE ANCHOR NOTES:

- 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

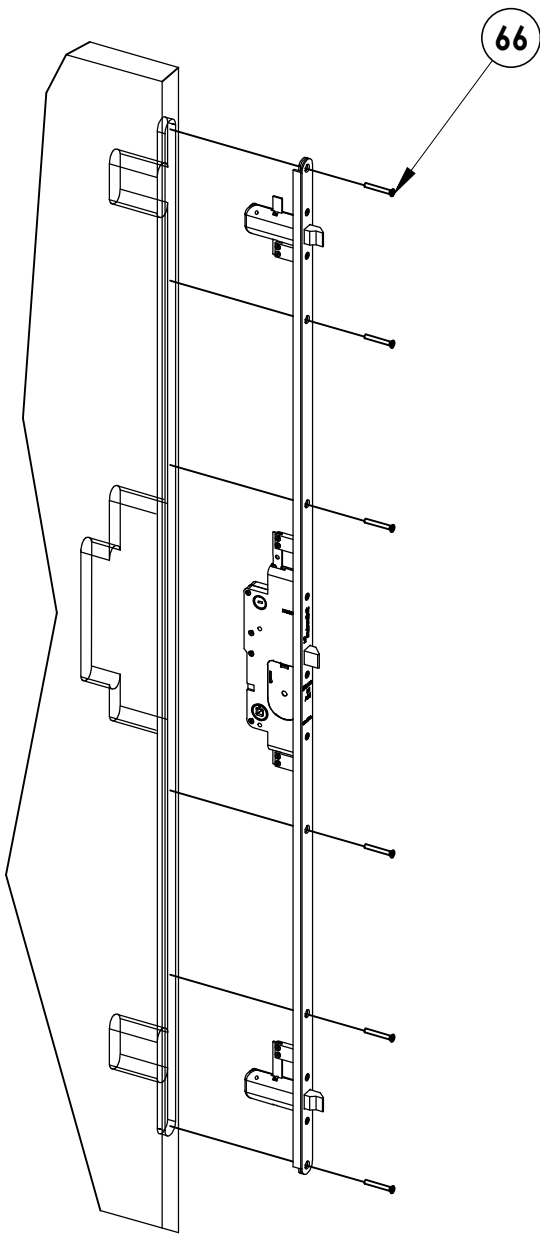
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

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

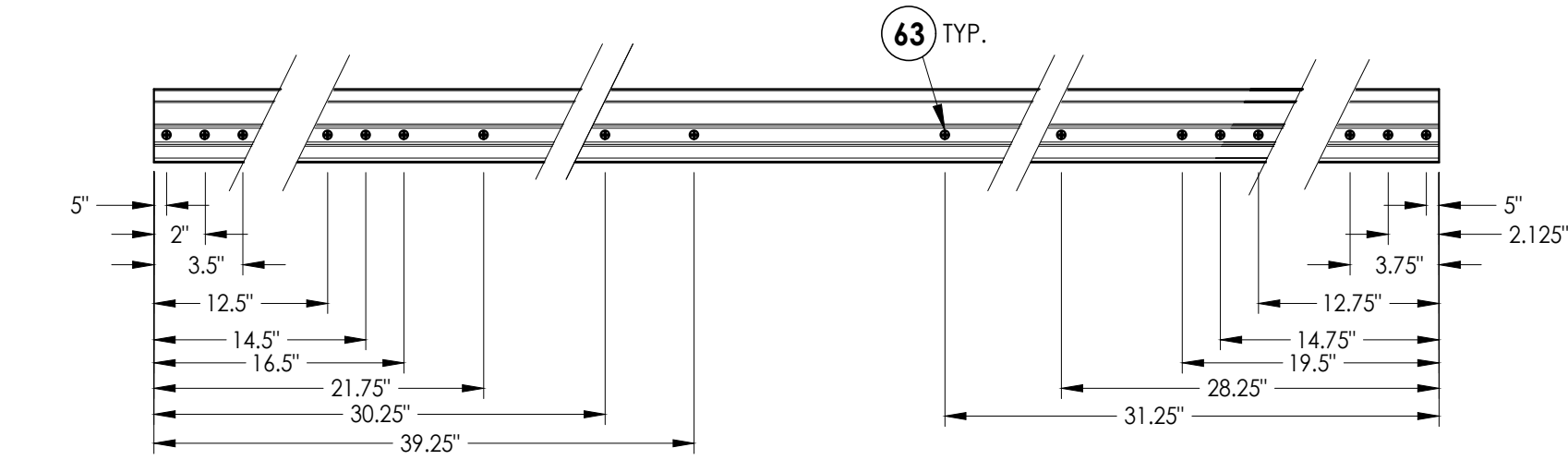
PART OR ASSEMBLY:
FRAME ANCHORING
(OXO)

DATE: 8/25/14
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-17184.16
SHEET 9 OF 12

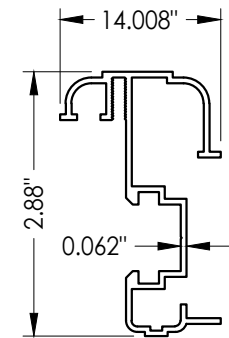
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-17184 R11\FL-17184.15-16.dwg



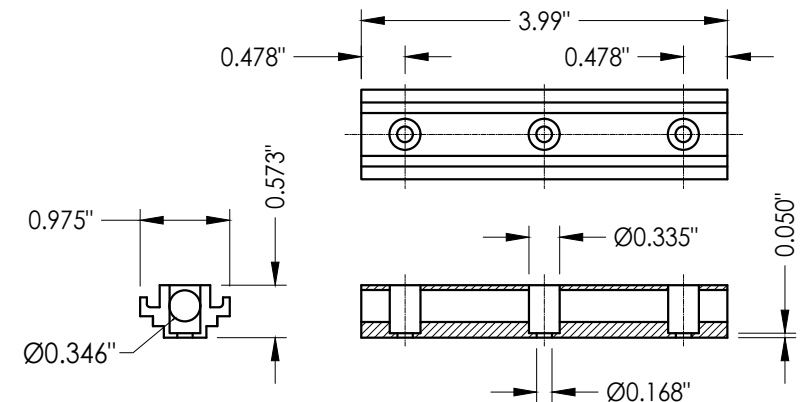
65 MULTI-POINT LOCK
Trilennium by Endura



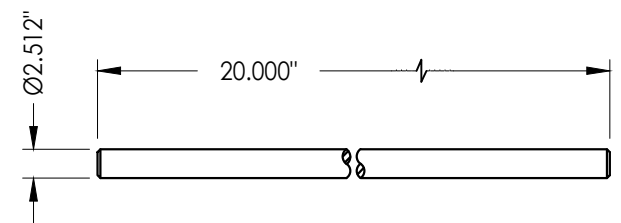
ASTRAGAL SCREW LOCATIONS



64 ASTRAGAL
By DLP



61 CONCEALED STIFFENER



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

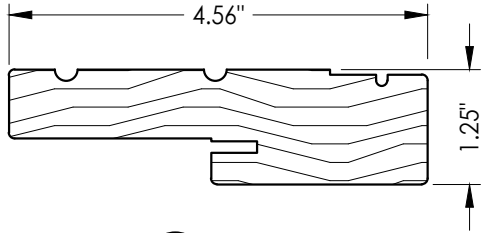
NO.	DATE	REVISIONS
6	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	8/05/20	UPDATE TO 7TH ED. (2020) FBC DAC
		BY

DATE:	8/25/14
SCALE:	N.T.S.
DWG. BY:	AL
CHK. BY:	LFS
DRAWING NO.:	FL-17184.16
SHEET	10 of 12

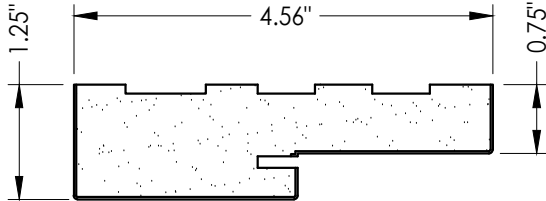
PRODUCT:	PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY:	ASTRAGAL & MULTI-POINT LOCK DETAILS

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

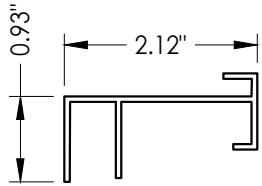
R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



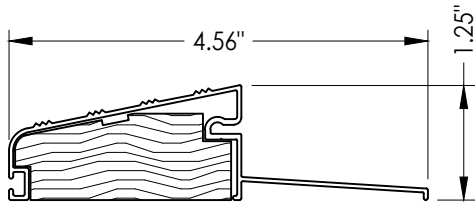
20 HEAD & SIDE
Jamb



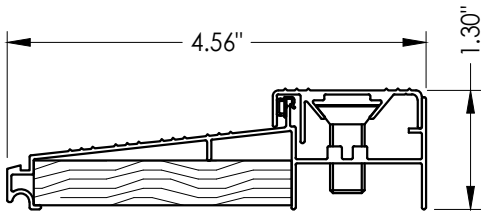
21 HEAD & SIDE
Poly fiber jamb



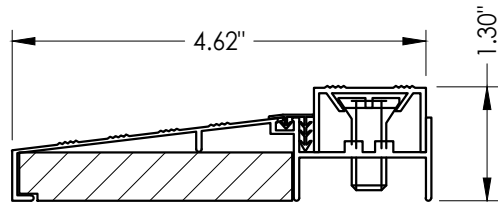
29 SIDELITE SPACER
ISSLB



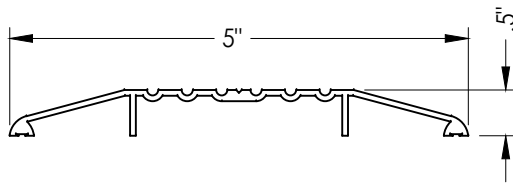
31 OUTSWING THRESHOLD
QOSH



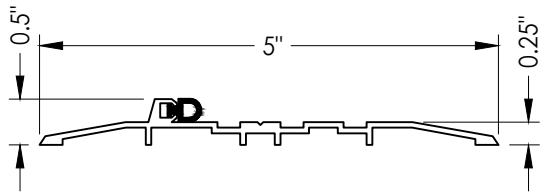
33 INSWING THRESHOLD
ISCS



34 SIDELITE THRESHOLD
ISH/ EIS



32 ADA SILL
ISHC



36 OUTSWING ADA BUMP THRESHOLD
OSHC

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
NO.	DATE	BY

DATE:	8/25/14
SCALE:	N.T.S.
DWG. BY:	AL
CHK. BY:	LFS
DRAWING NO.:	FL-17184.16
SHEET	11 of 12

PRODUCT:	PLASTPRO INC. 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
---	---

