

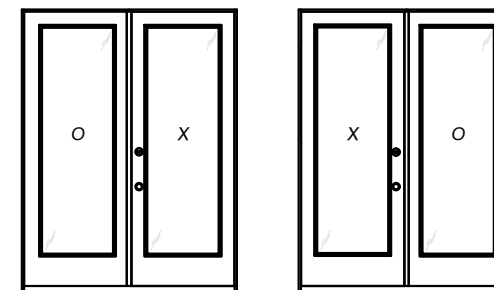
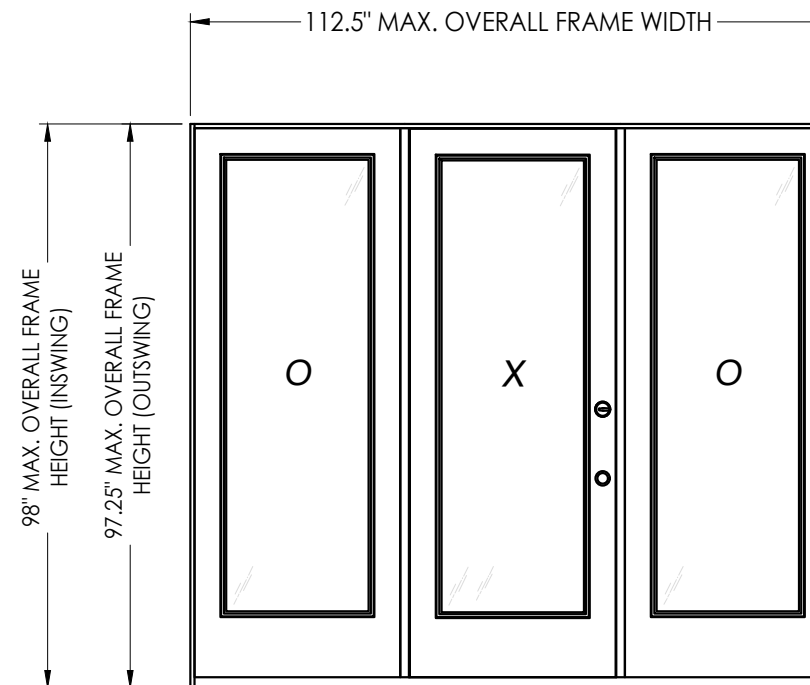


5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

DIRECT GLAZED FIBERGLASS DOORS
SINGLES w/ SIDELITE(S)
INSWING / OUTSWING
"IMPACT"

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection, this product 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 excludes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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.

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6	Horizontal & Vertical Cross Sections (Direct to Masonry)
7	Vertical Cross Sections (Thresholds)
8	Horizontal & Vertical Cross Sections (Direct to Masonry)
9	Buck Anchoring
10	Frame Anchoring
11	Hardware Details
12	Components
13	Bill of Materials & Components

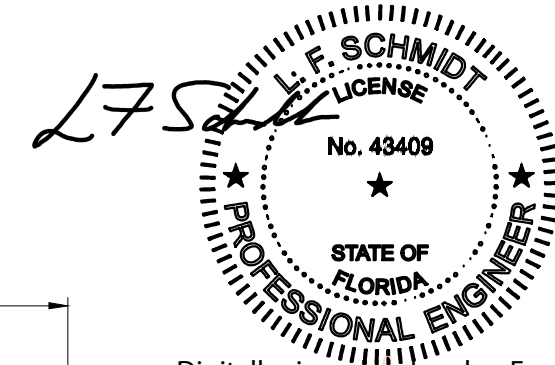


OX

XO

CONTINUOUS HEAD & SILL

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX/XO	75.0" x 98.0"	+45.0	-50.0	+45.0	-45.0
OXO	112.5" x 98.0"	+45.0	-50.0	+45.0	-45.0



Digitally signed by Lyndon F Schmidt

Date: 2023.08.10 16:34:16 -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

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 License No. 9813

PRODUCT: PLASTPRO INC
FIBERGLASS DOOR

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

2	8/10/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS	
1	7/23/20	UPDATE TO 7TH ED	(2020)	FBC	LFS	
NO.	DATE				BY	
						REVISIONS

DATE: 10/15/19

SCALE: N.T.S.

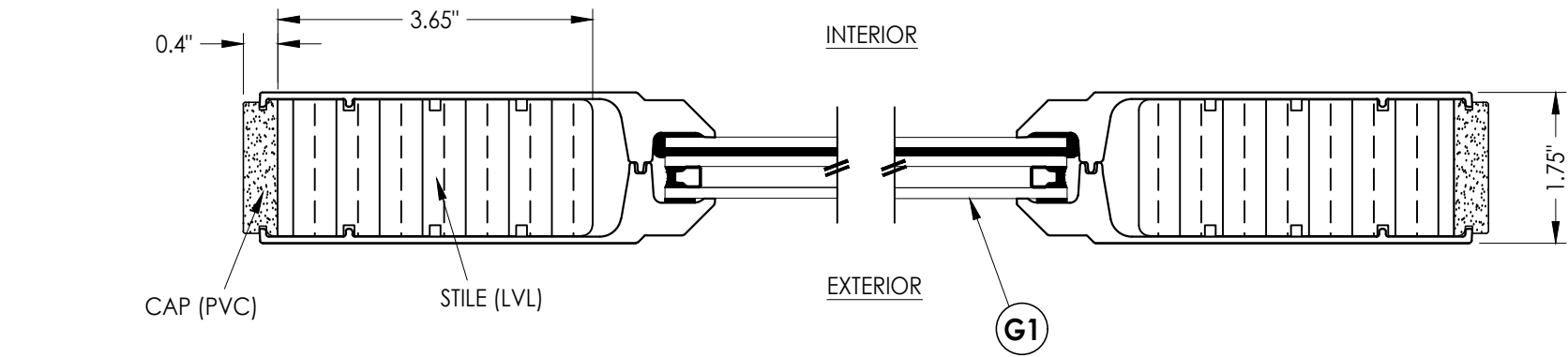
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CHK. BY: LFS

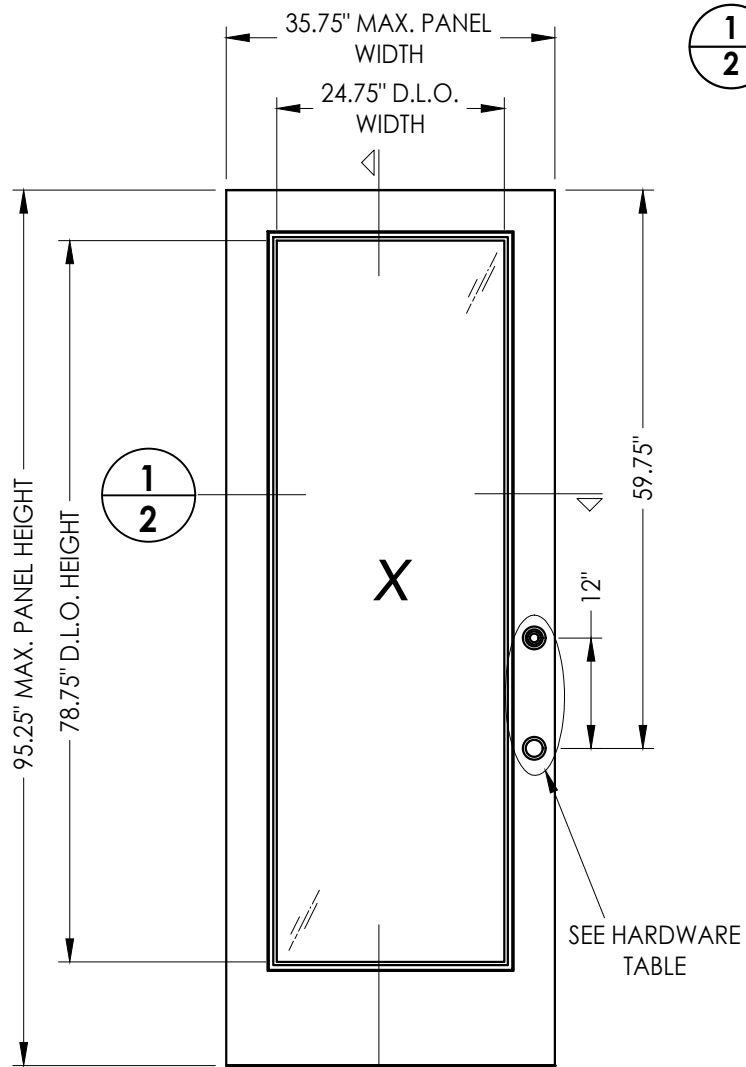
DRAWING NO.:
FL-28685.16

SHEET 1 OF 13

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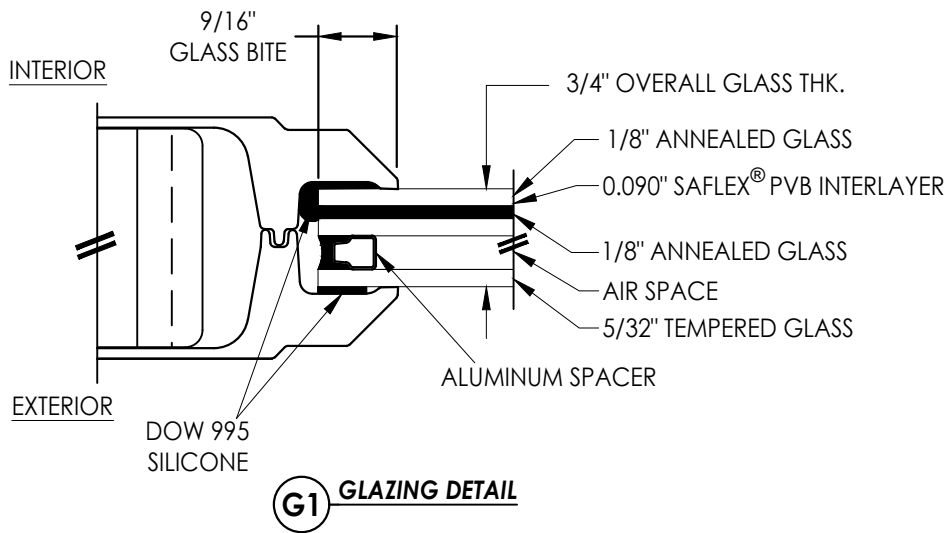
1
2 **HORIZONTAL CROSS SECTION**



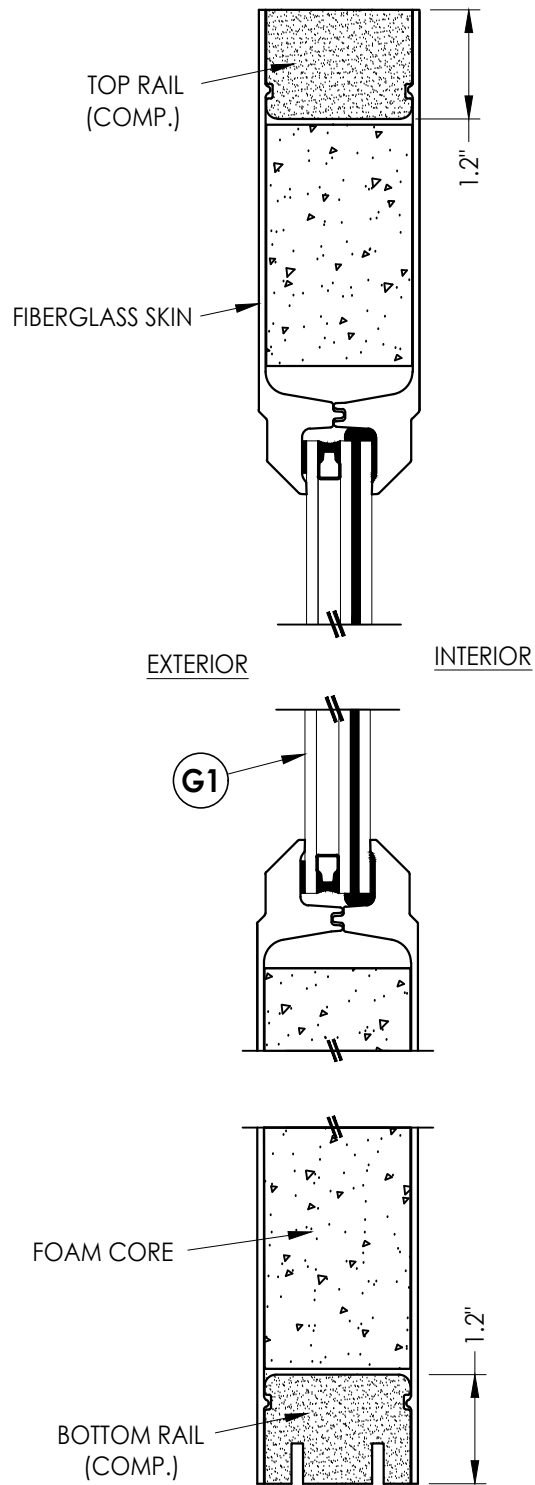
40 **PLASTPRO DOOR PANEL**

50 **PLASTPRO SIDELITE PANEL**

FIBERGLASS SKIN: 0.075" MIN. THK.
FOAM CORE: XPS FOAM (1.3 PCF MIN. DENSITY)



HARDWARE TABLE		
MANUFACTURER	MODEL	
YALE	KNOB:	YH COLLECTION
	DEADBOLT:	YH COLLECTION
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
SCHLAGE	KNOB:	F-SERIES (F51)
	DEADBOLT:	B-SERIES (B60)



2
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 License No. 9813

PRODUCT: PLASTPRO INC
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR & SIDELITE
PANEL DETAILS

REVISIONS			
NO.	DATE	BY	
2	8/10/23	UPDATE TO 8TH ED. (2023)	FBC
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC

DATE: 10/15/19

SCALE: N.T.S.

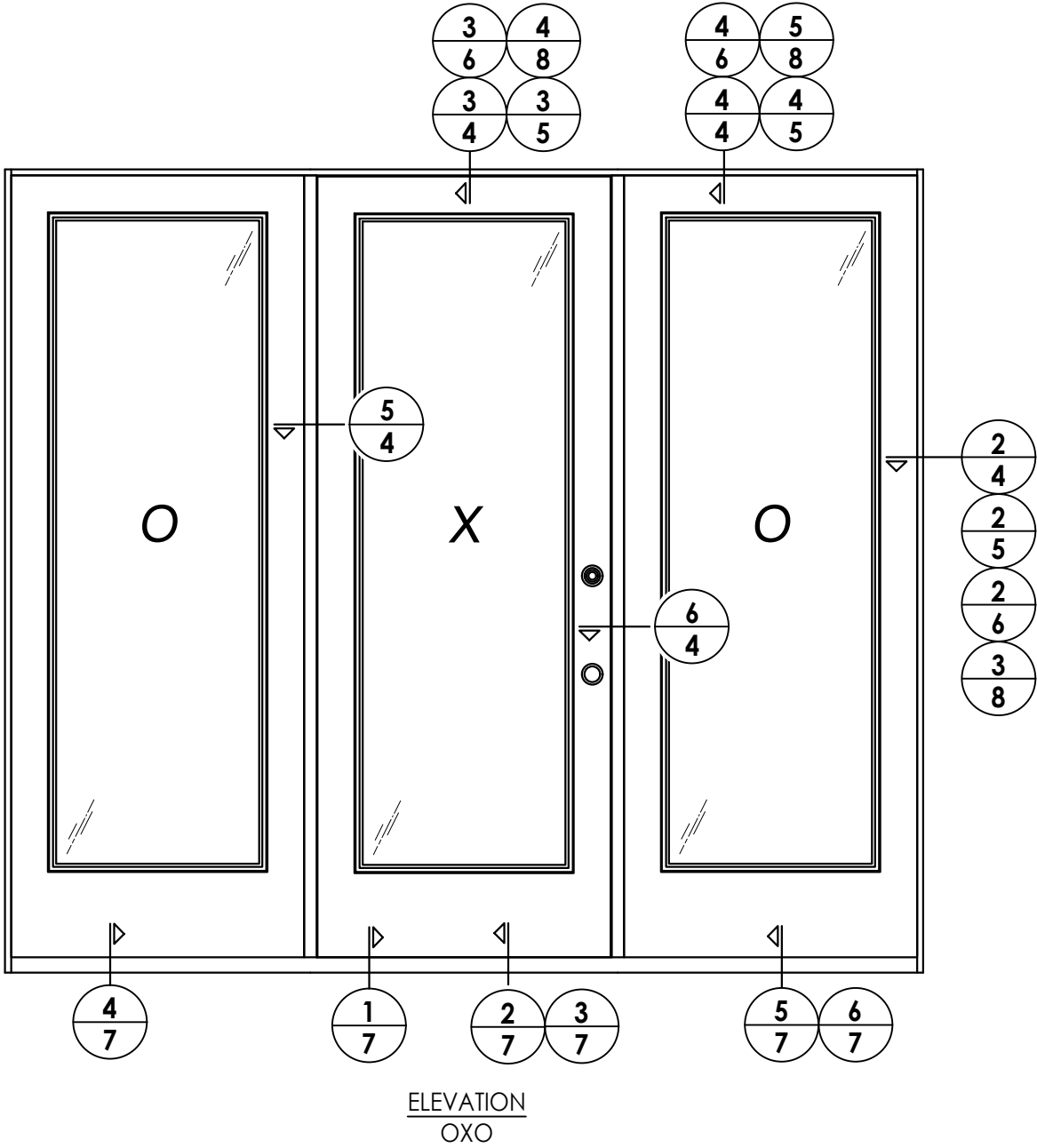
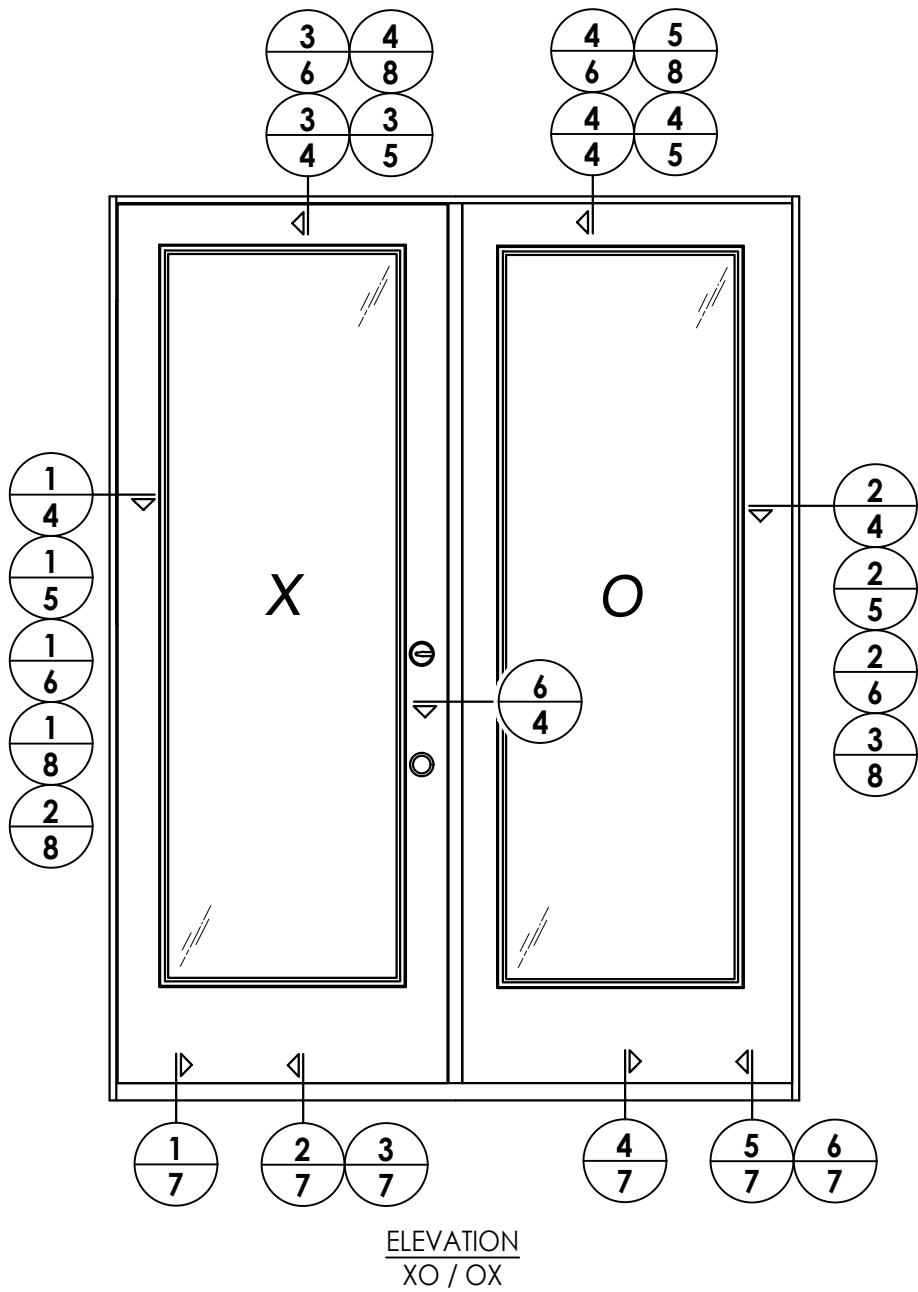
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CHK. BY: LFS

DRAWING NO.:
FL-28685.16

SHEET 2 OF 13

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DATE: 10/15/19
SCALE: N.T.S.
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CHK. BY: LFS
DRAWING NO.: FL-28685.16
SHEET 3 OF 13

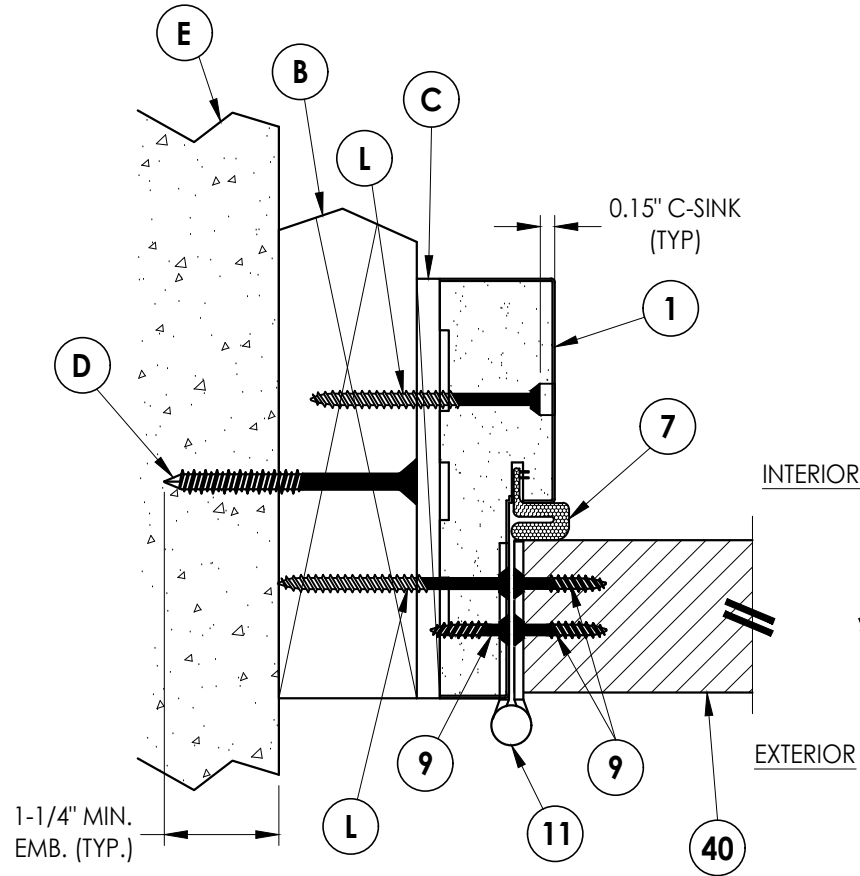
REVISIONS	
NO.	DATE
2	8/10/23
1	7/23/20

PRODUCT:	PLASTPRO INC FIBERGLASS DOOR
PART OR ASSEMBLY:	ELEVATIONS

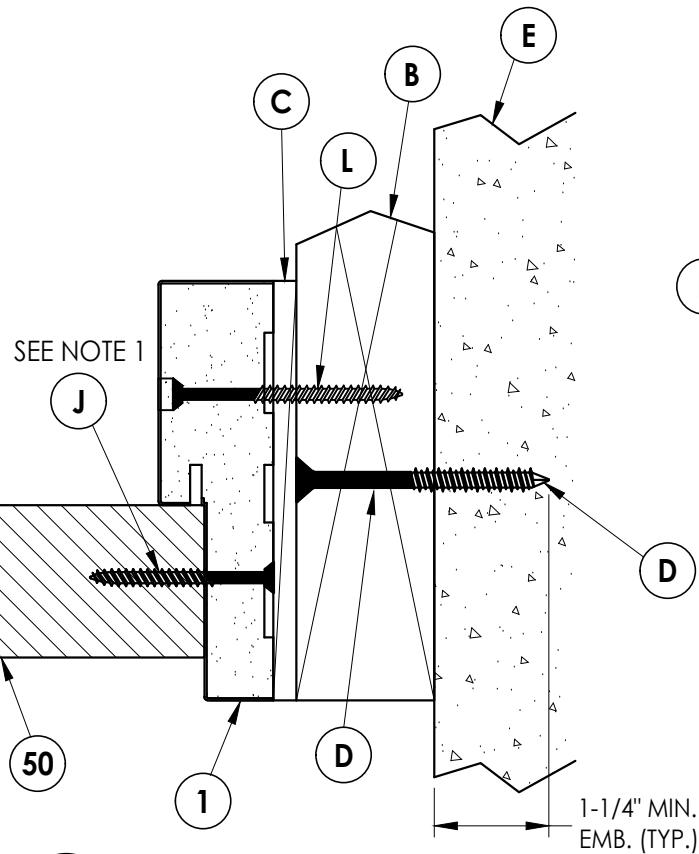
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P.E. No. 43409

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Phone No.: 813.659.9197
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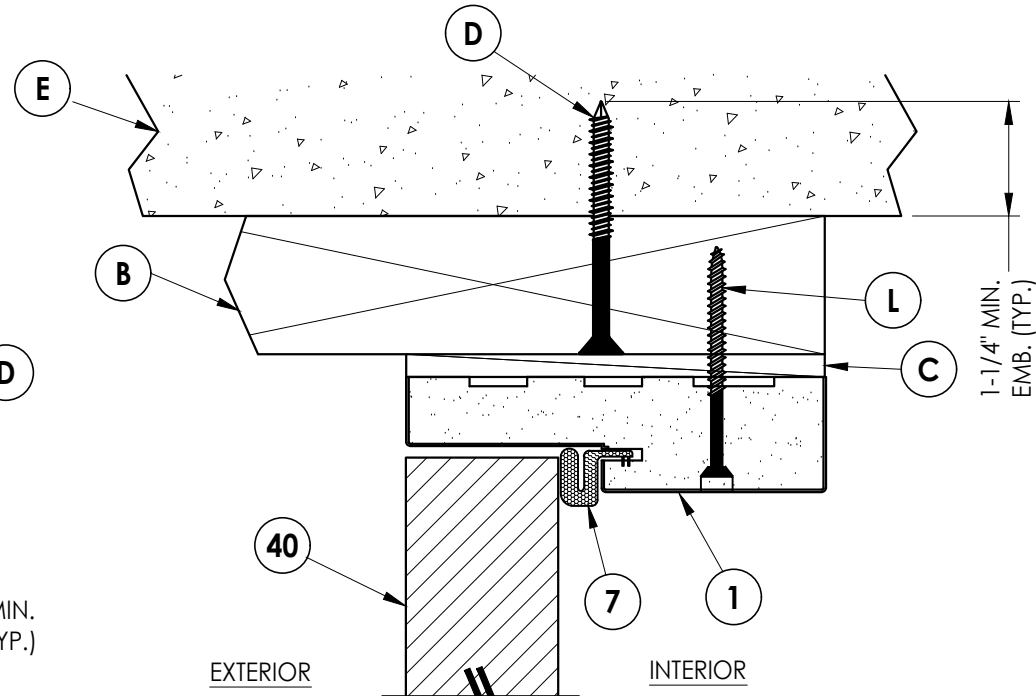
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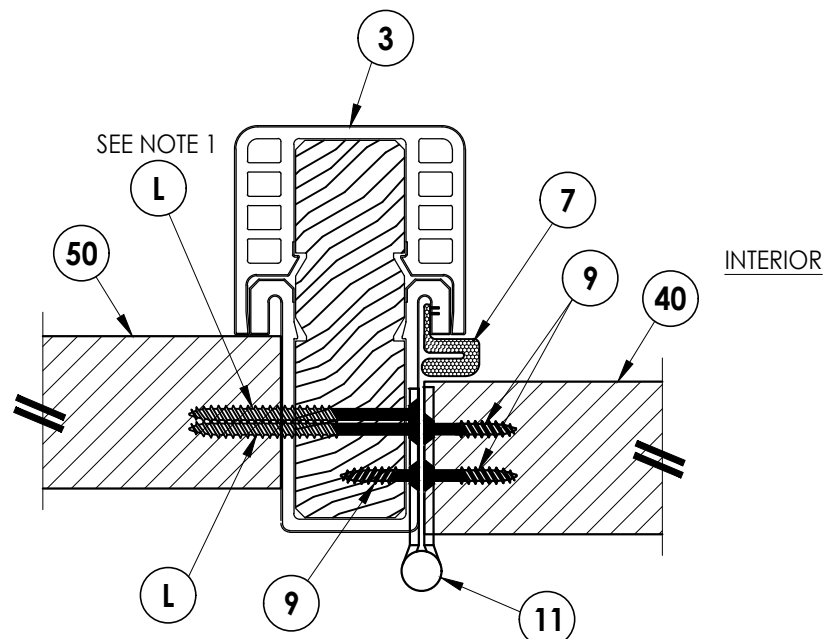
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4 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



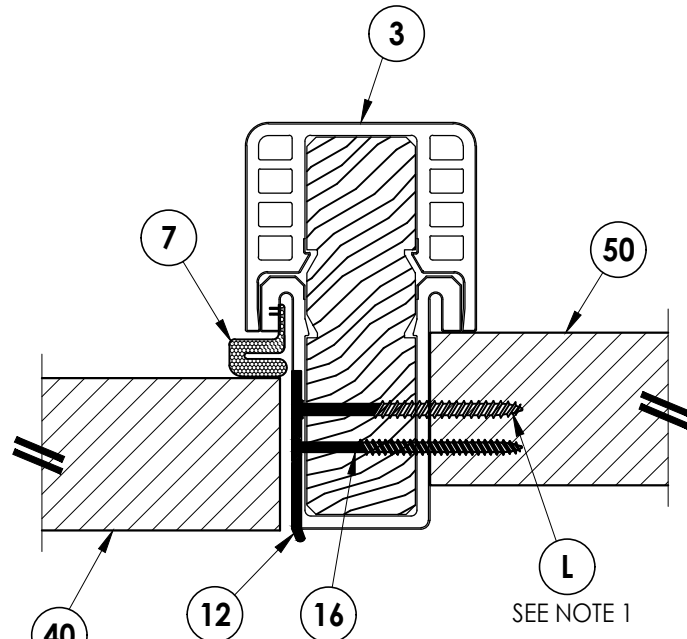
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4 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



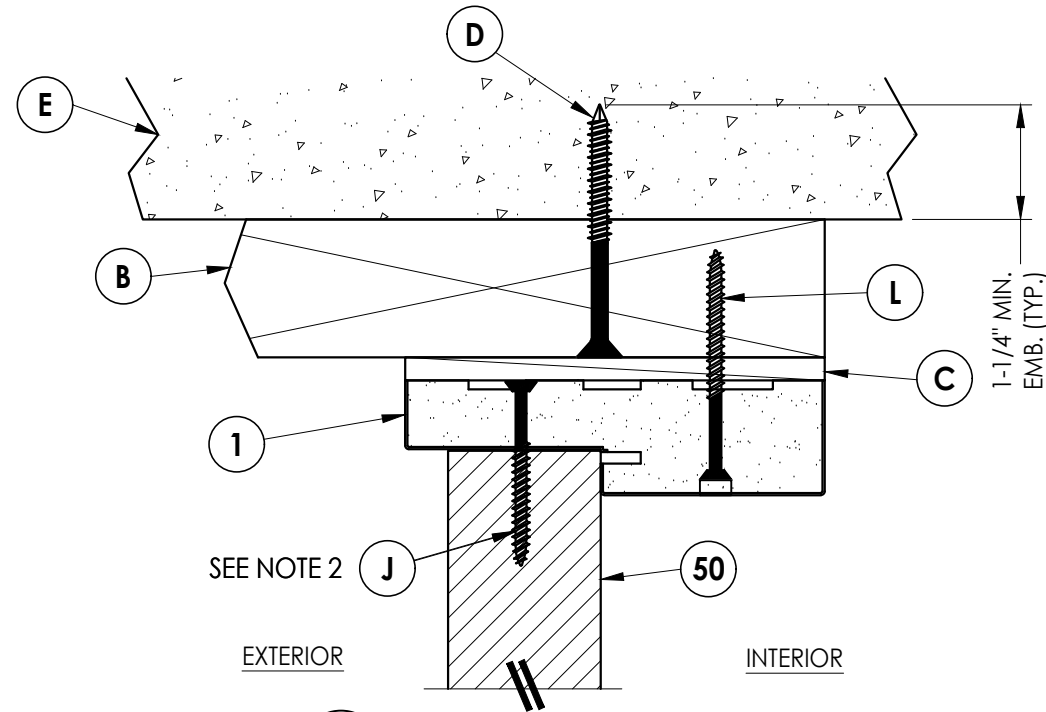
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4 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



5
4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



6
4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



4
4 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)

NOTES:

1. Spacing for item J: 6" from each end and 5 more equally spaced along sidelite jamb (7 total).
2. Spacing for item J @ head & sill: 6" from ends (2 total).

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 License No. 9813

PRODUCT: PLASTPRO INC
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

NO.	DATE	REVISIONS
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1	7/23/20	UPDATE TO 7TH ED (2020) FBC

DATE: 10/15/19

SCALE: N.T.S.

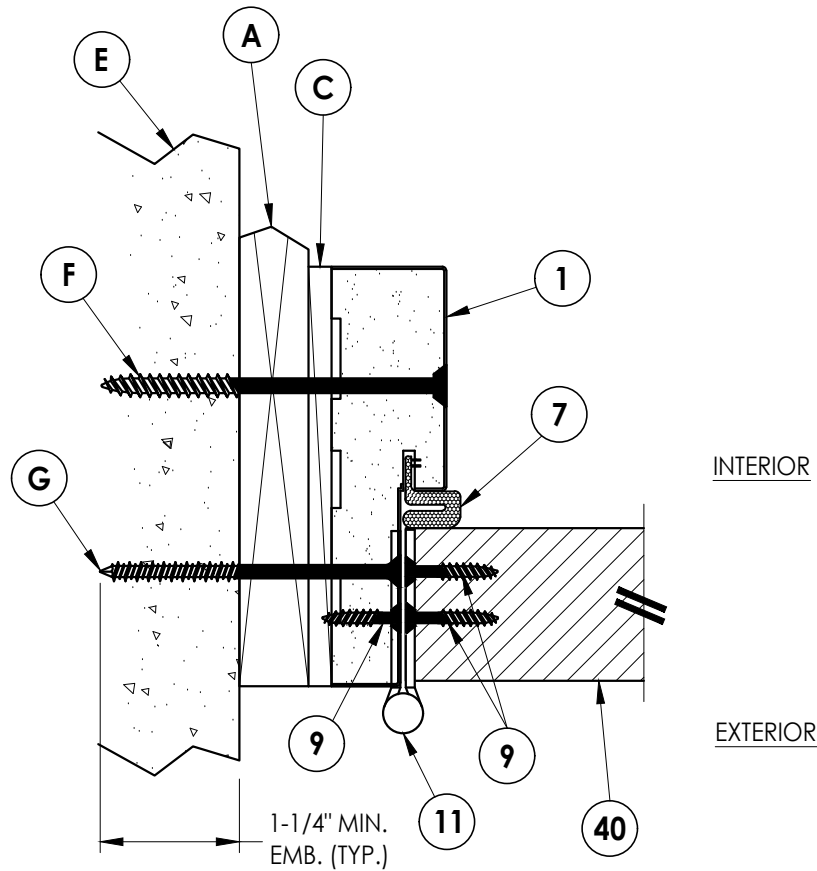
DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.:

FL-28685.16

SHEET 4 OF 13

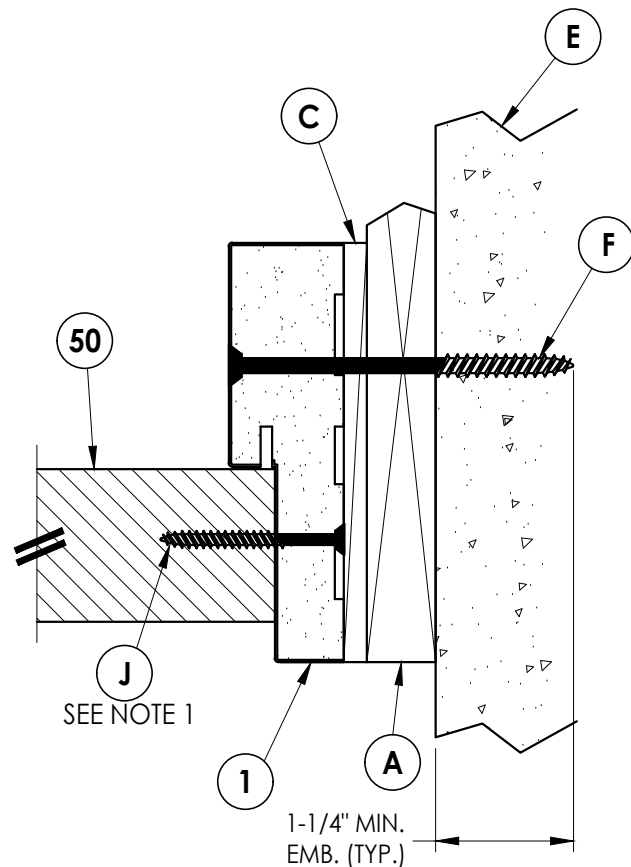


1 **HORIZONTAL CROSS SECTION**

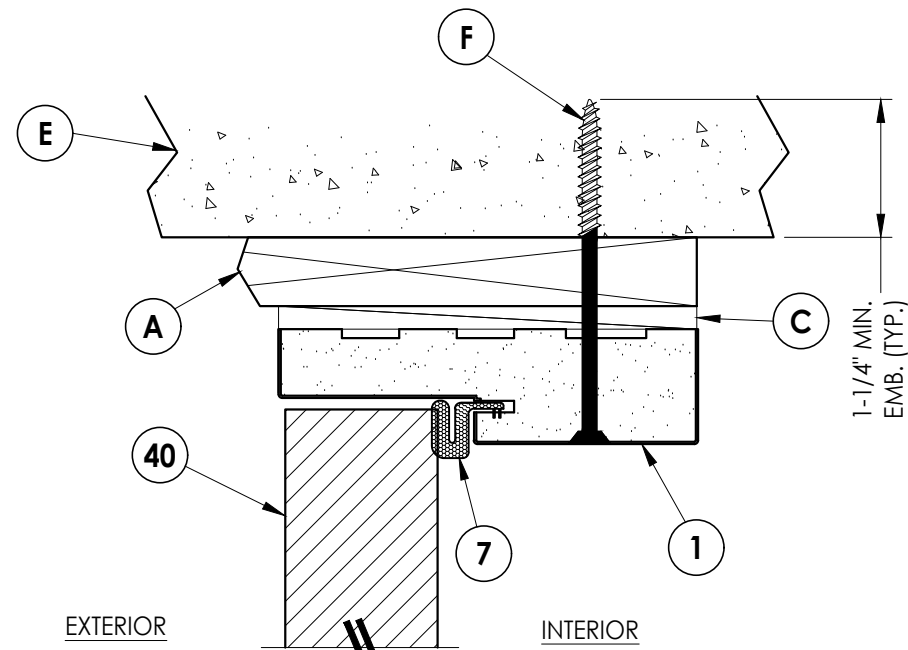
5 Shown w/ 1X Buck
Outswing shown (Inswing similar)

NOTES:

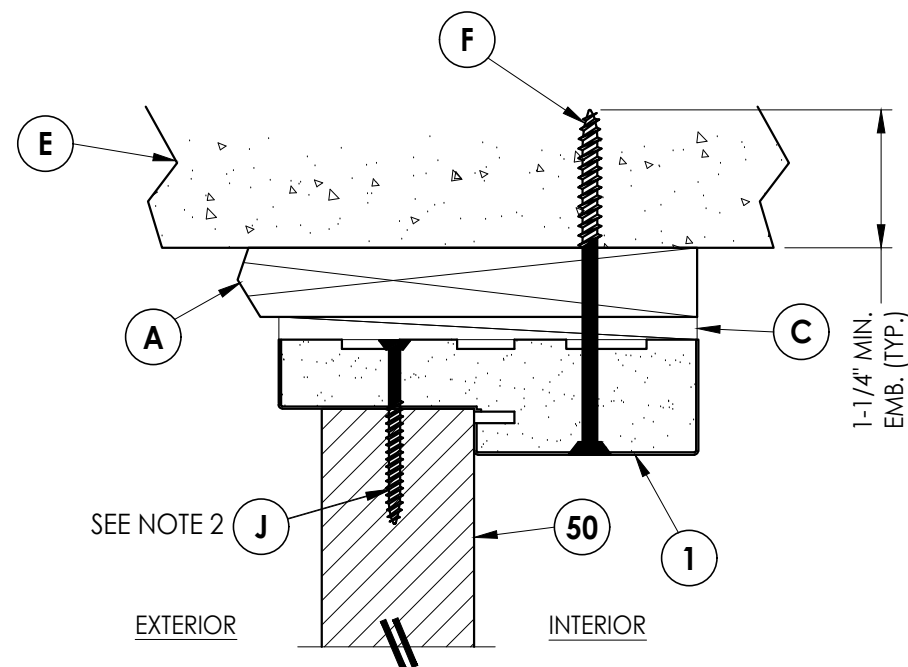
1. Spacing for item J: 6" from each end and 5 more equally spaced along sidelite jamb (7 total).
2. Spacing for item J @ head & sill: 6" from ends (2 total).



2 **HORIZONTAL CROSS SECTION**
5 Shown w/ 1X Buck
 Outswing shown (Inswing similar)



3 **VERTICAL CROSS SECTION**
5 Shown w/ 1X Buck
 Outswing shown (Inswing similar)



4 VERTICAL CROSS SECTION
5 Shown w/ 1X Buck
Outswing shown (Inswing similar)

2	8/10/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
1	7/23/20	UPDATE TO 7TH ED	(2020)	FBC	LFS
NO.	DATE				
REVISIONS					

DATE: 10/15/19

SCALE: N.T.S.

DWG. BY: *TRJ*

CHK. BY: LFS

DRAWING NO.:

FL-28685.16

SHEET 5 OF 13

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Lyndon F. Schmidt
P.E. No. 43409

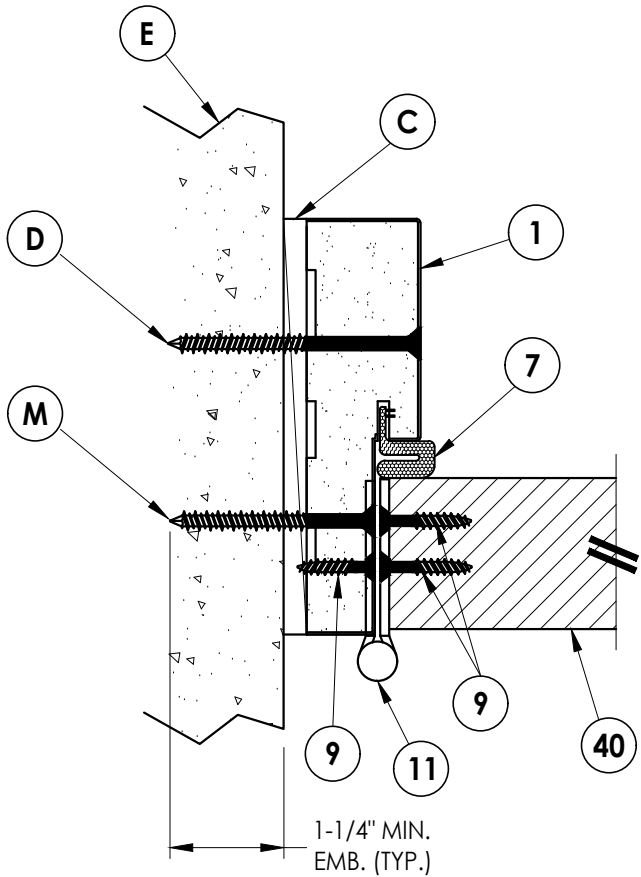
RCM BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry License No. 9813

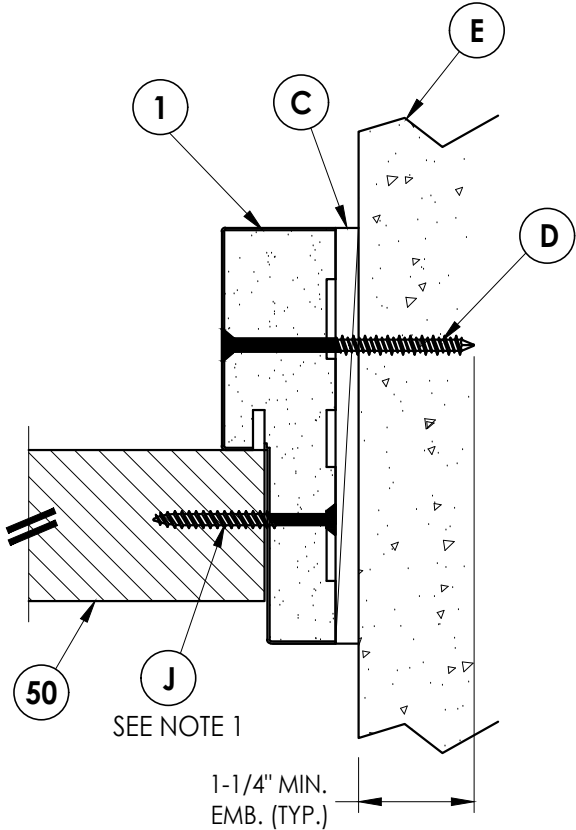
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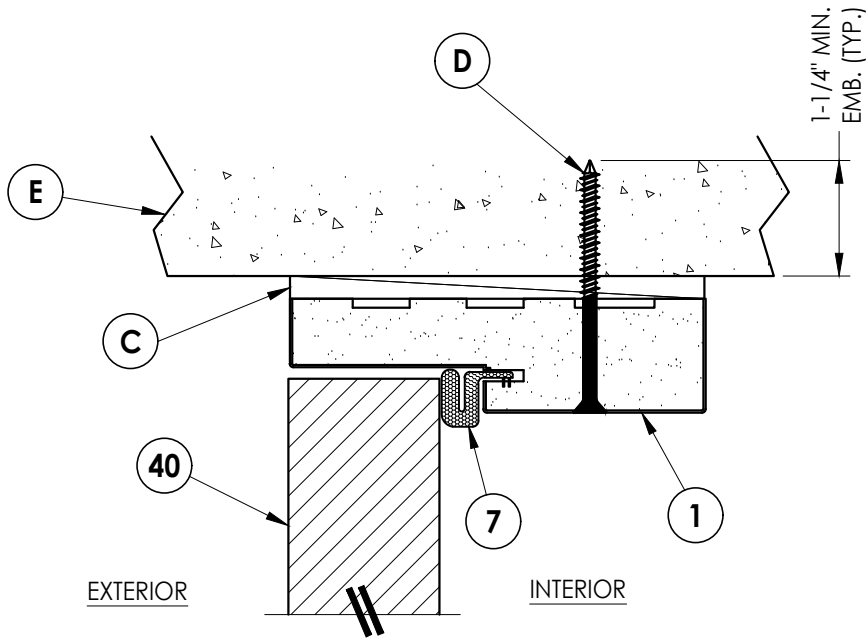
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6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

NOTES:

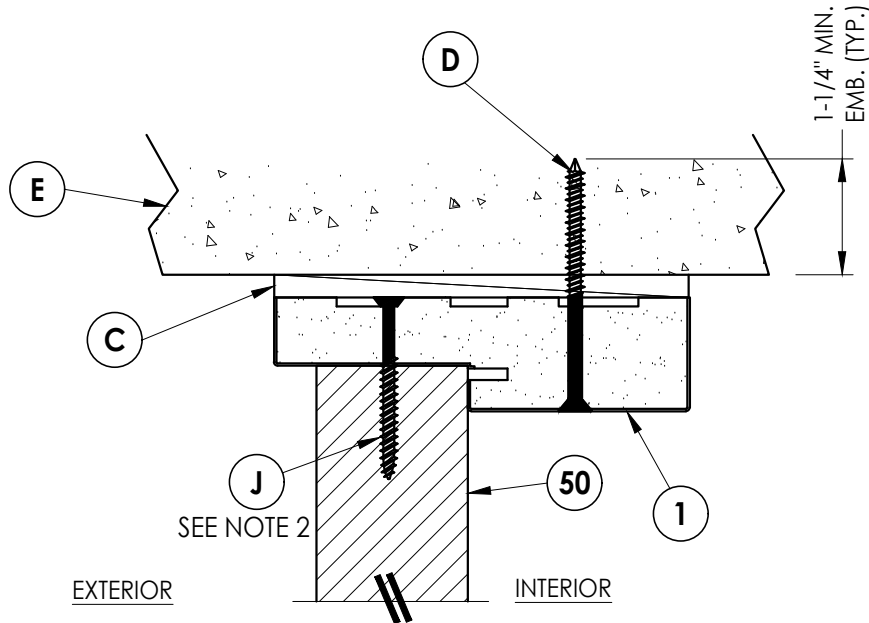
1. Spacing for item J: 6" from each end and 5 more equally spaced along sidelite jamb (7 total).
2. Spacing for item J @ head & sill: 6" from ends (2 total).



2
6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



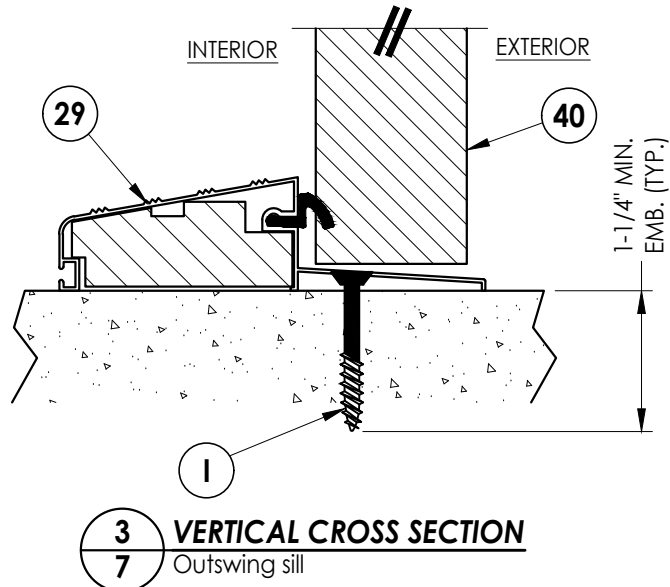
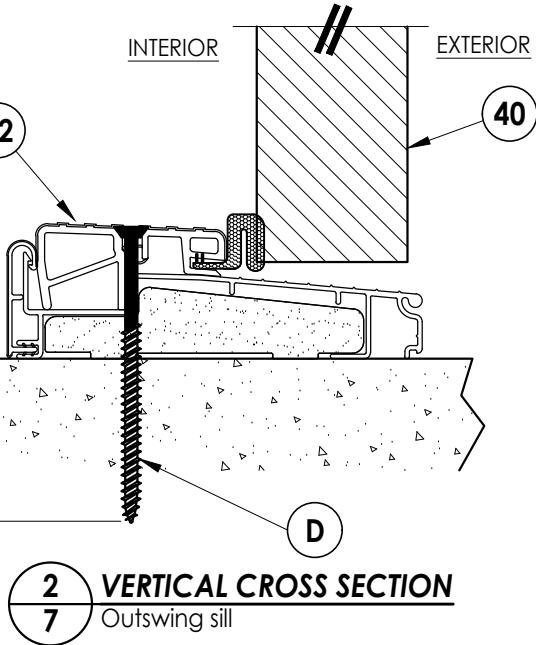
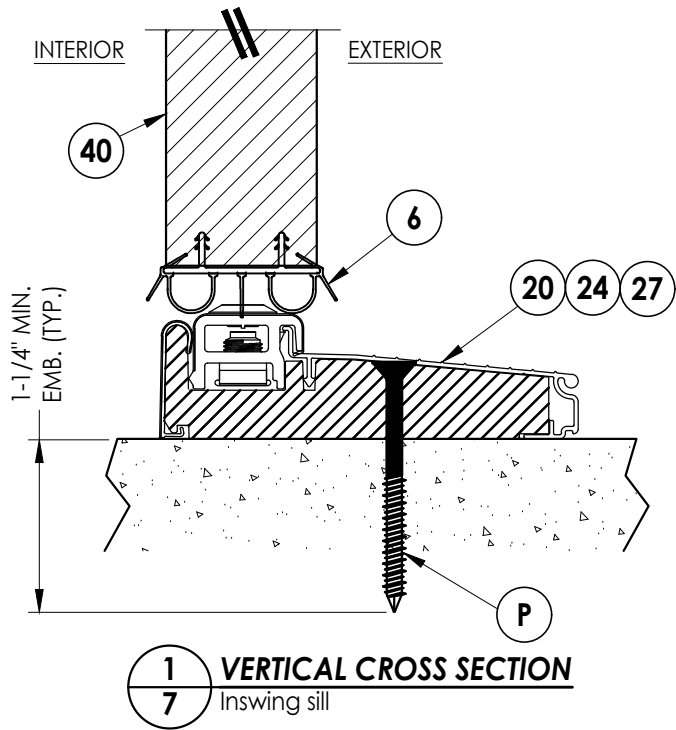
3
6 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



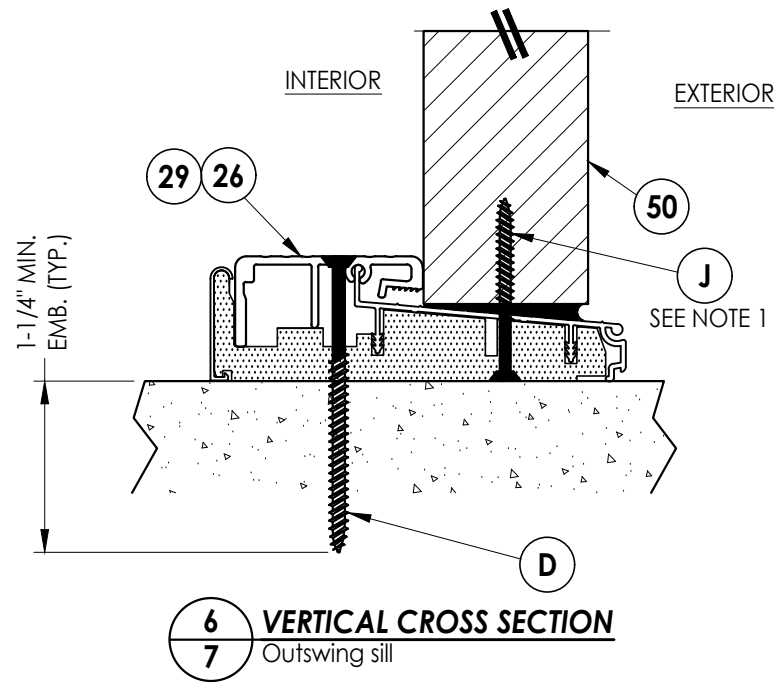
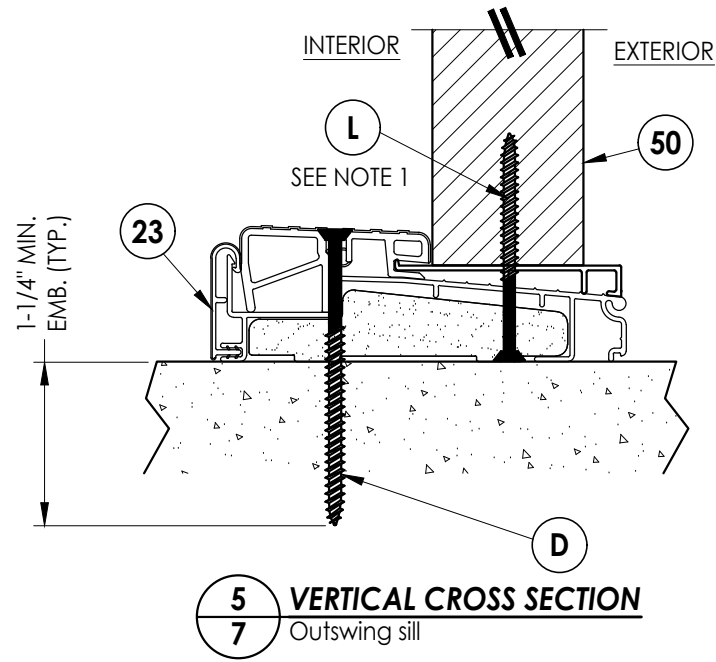
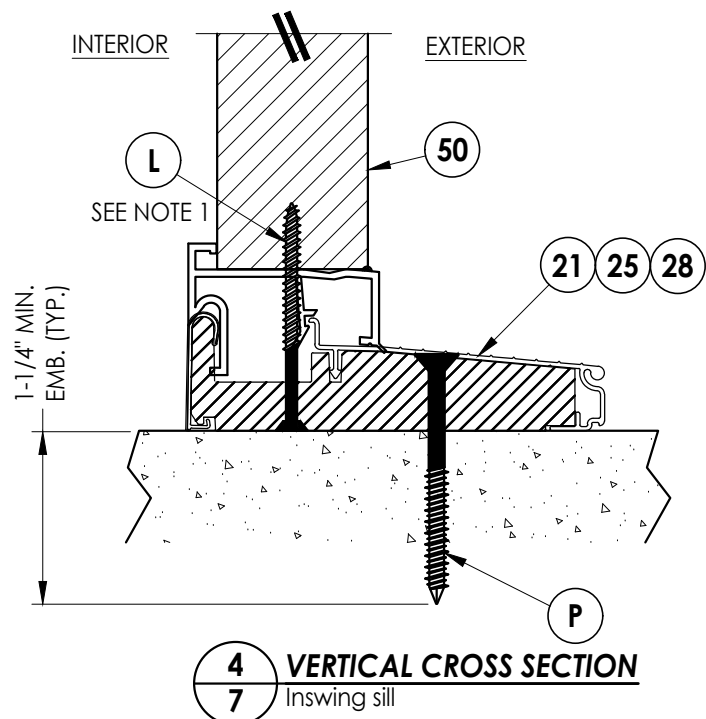
4
6 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

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 License No. 9813			
PRODUCT: PLASTPRO INC FIBERGLASS DOOR				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)			
				LFS	FBC	BY	
				8/10/23	UPDATE TO 8TH ED. (2023)		
				7/23/20	UPDATE TO 7TH ED (2020)		
				NO.	DATE		
				REVISIONS			
DATE: 10/15/19							
SCALE: N.T.S.							
DWG. BY: TRJ							
CHK. BY: LFS							
DRAWING NO.: FL-28685.16							
SHEET 6 OF 13							

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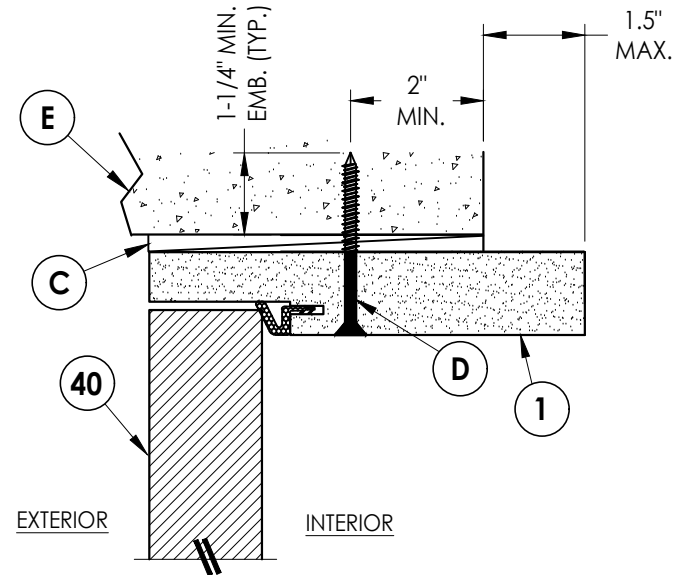


NOTE:
1. Spacing for item J & L @ head & sill: 6" from each end (2 total).

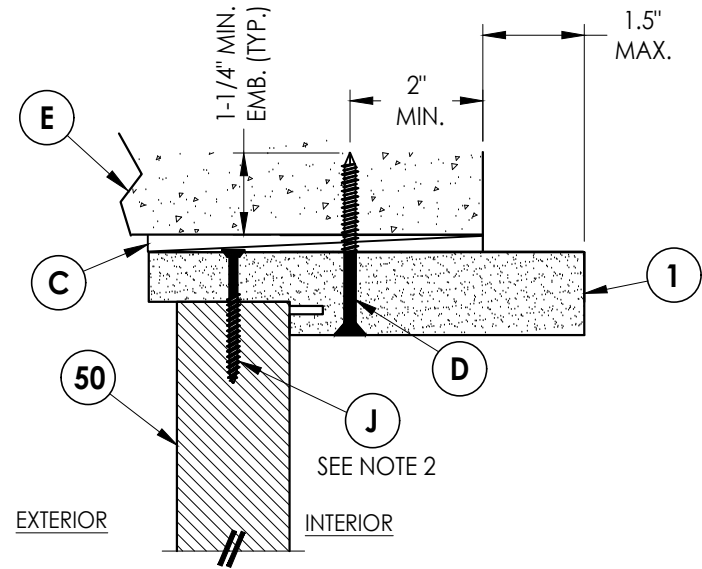


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		PLASTPRO INC FIBERGLASS DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)		R ^W BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
				LFS	BY	REVISIONS	
				8/10/23	DATE		
				7/23/20	DATE		
				1	DATE		
DATE: 10/15/19		SCALE: N.T.S.		DWG. BY: TRJ		CHK. BY: LFS	
DRAWING NO.:		FL-28685.16		SHEET 7		OF 13	

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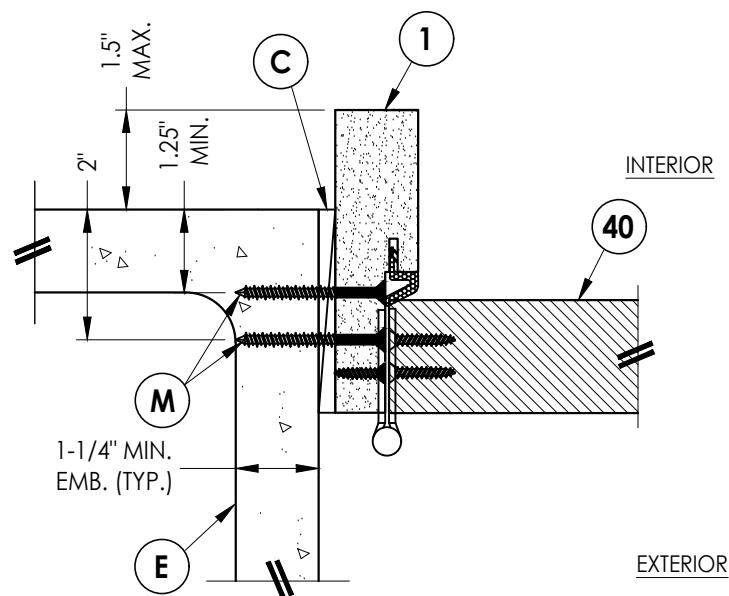
4
8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



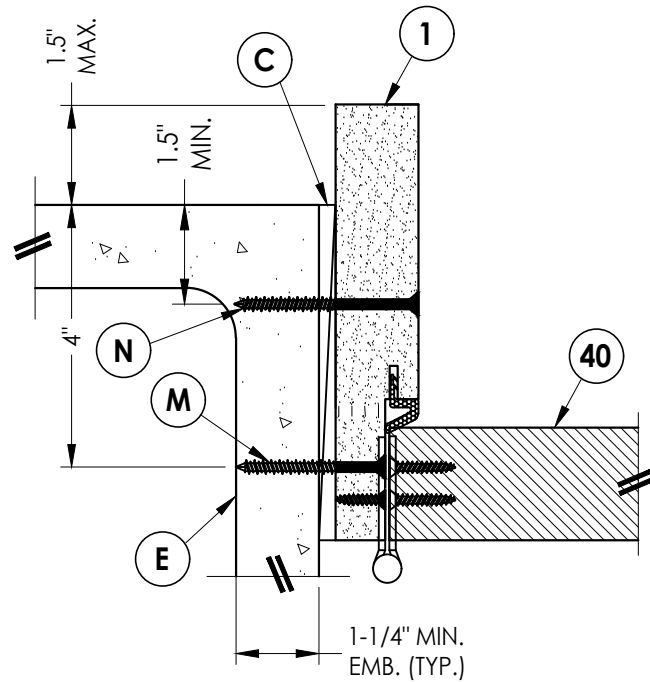
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8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

NOTES:

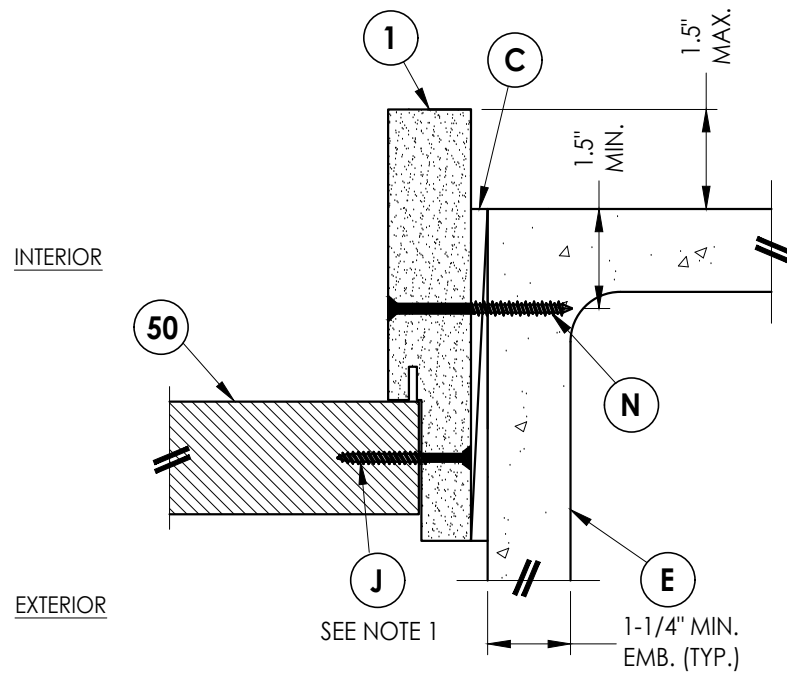
1. Spacing for item J: 6" from each end and 5 more equally spaced along sidelite jamb (7 total).
2. Spacing for item J @ head & sill: 6" from ends (2 total).



1
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double door only (N/A w/ Sidelites)



2
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



3
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

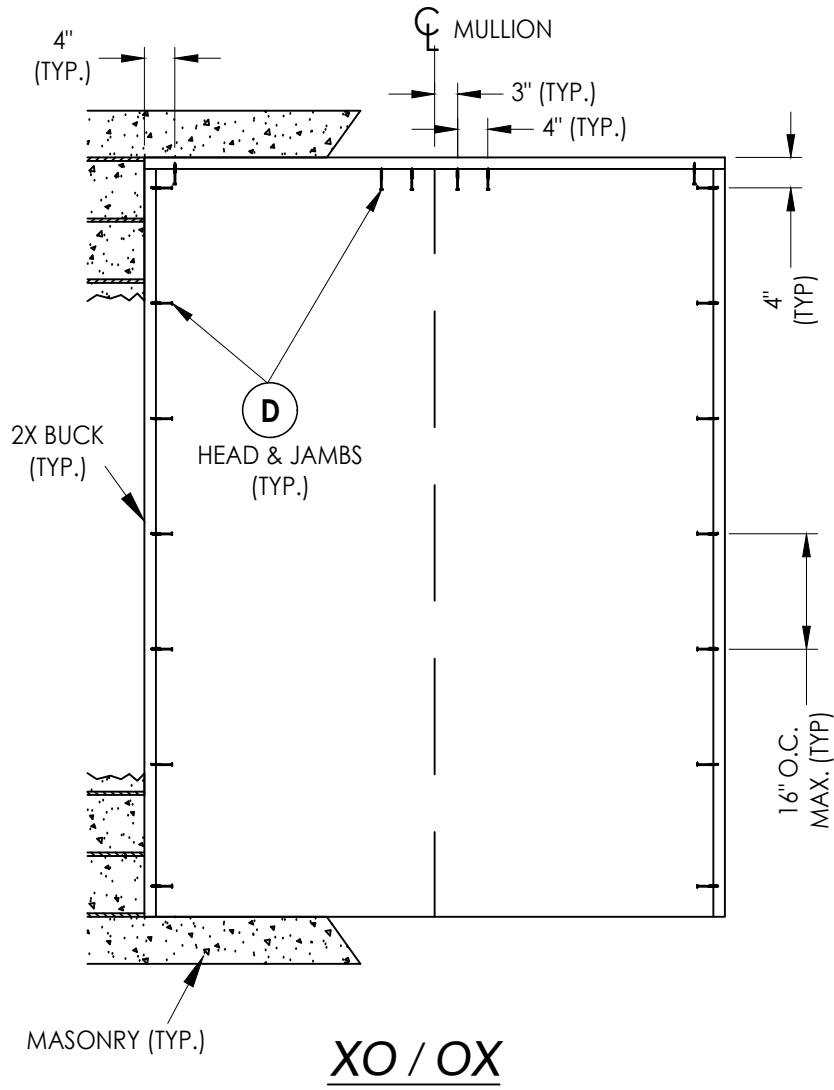
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

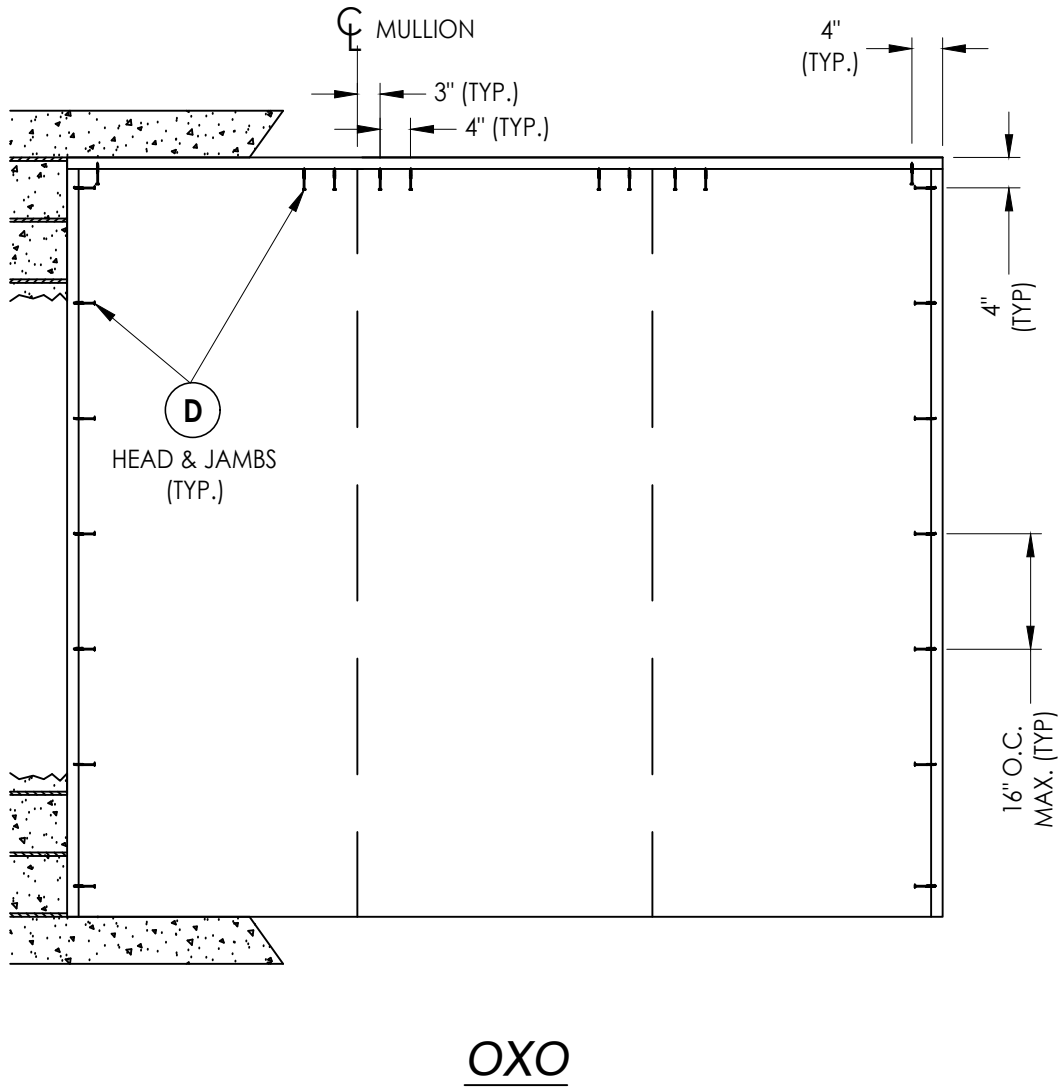
PRODUCT: PLASTPRO INC
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS
2	8/10/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC LFS
1		BY
DATE: 10/15/19		
SCALE: N.T.S.		
DWG. BY: TRJ		
CHK. BY: LFS		
DRAWING NO.: FL-28685.16		
SHEET 8 OF 13		



2X BUCK ANCHORING



2	8/10/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
1	7/23/20	UPDATE TO 7TH ED	(2020)	FBC	LFS
NO.	DATE				BY
REVISIONS					

DATE: 10/15/19

SCALE: N.T.S.

DWG. BY: *TRJ*

CHK. BY: LFS

DRAWING NO.:
FL-28685.16

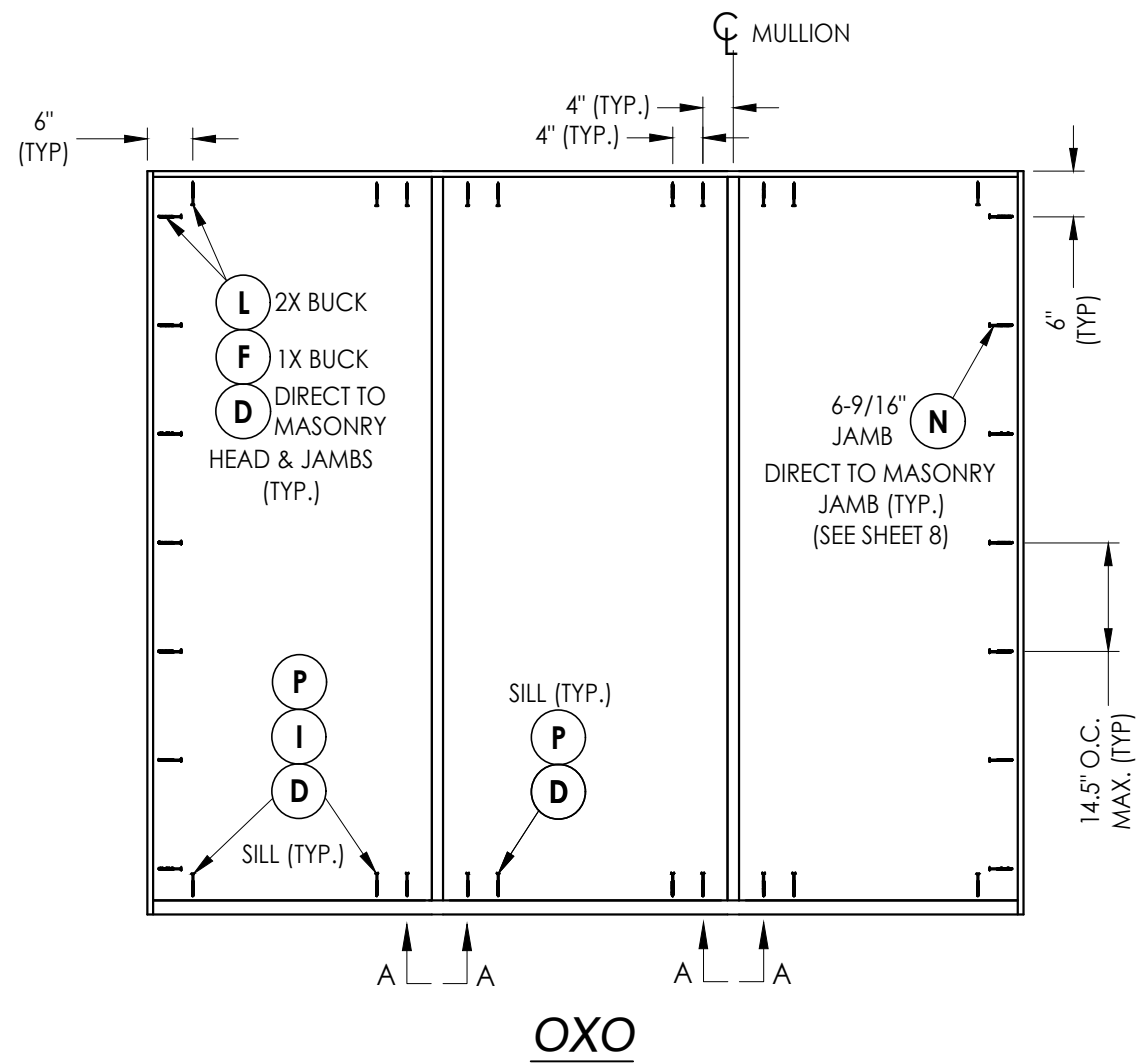
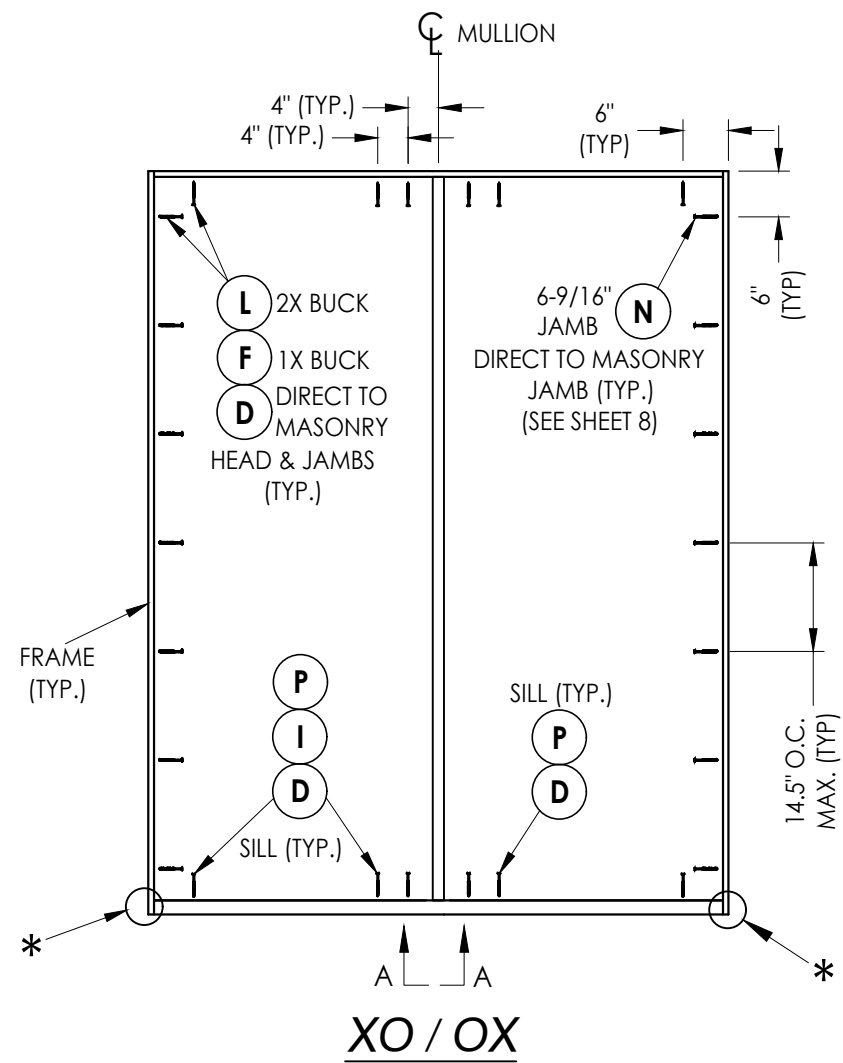
SHEET 9 OF 13

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

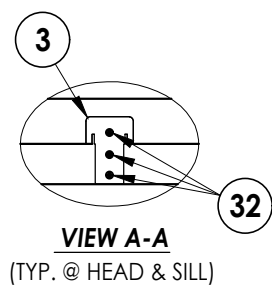
PRODUCT: PLASTPRO INC
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

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



FRAME ANCHORING



*NOTE: FRAME CORNERS ATTACHED w/
(3) #10 X 2-1/2" FH WOOD SCREWS (TYP.)

[illegible]

DATE: 10/15/19

SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.:

FL-28685.16

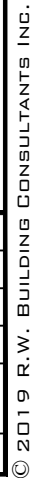
SHEET 10 OF 13

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Lyndon F. Schmidt
P.E. No. 43409

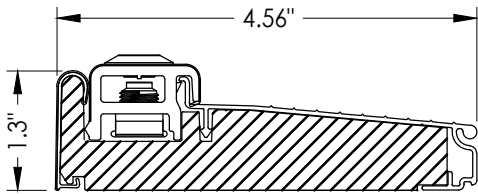
RW

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

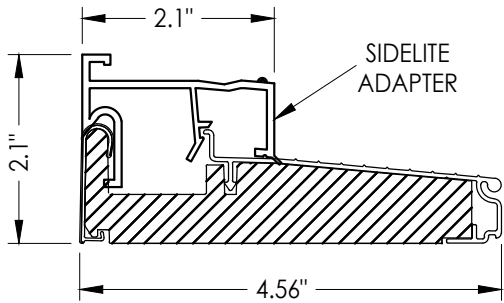
© 2019 R.W. BUILDING CONSULTANTS INC.



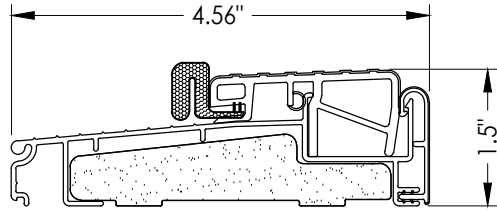
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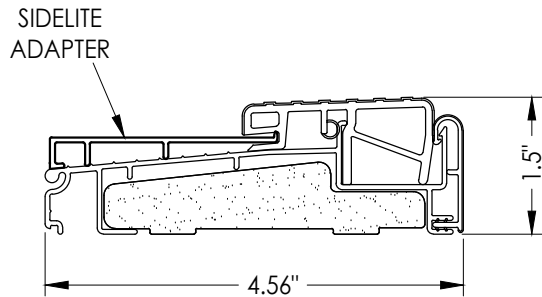
20 **INSWING THRESHOLD**
Endura (Z-Series)



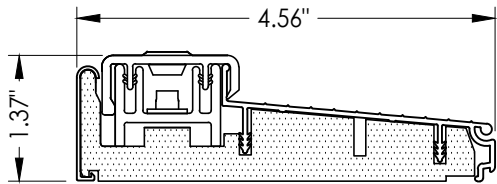
21 **INSWING THRESHOLD w/ SIDELITE ADAPTER**
Endura (Z-Series)



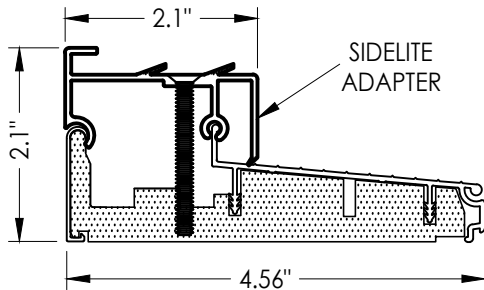
22 **OUTSWING THRESHOLD**
Endura (Z-Series)



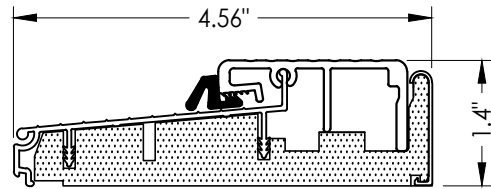
23 **OUTSWING THRESHOLD w/ SIDELITE ADAPTER**
Endura (Z-Series)



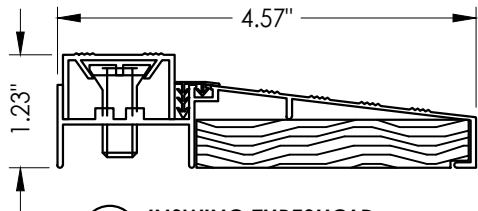
24 **INSWING THRESHOLD**
Columbia



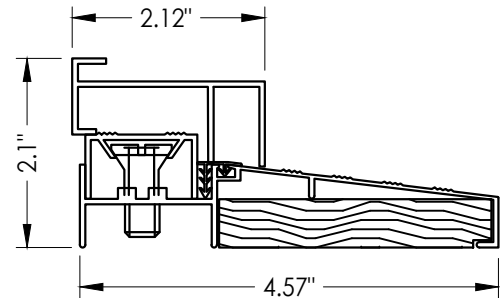
25 **INSWING THRESHOLD w/ SIDELITE ADAPTER**
Columbia



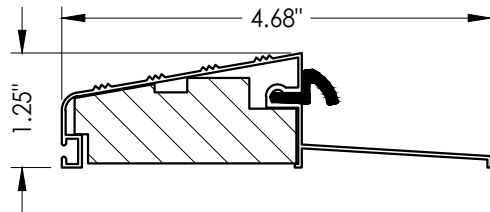
26 **OUTSWING THRESHOLD**
Columbia



27 **INSWING THRESHOLD**
DLP Industries



28 **INSWING THRESHOLD w/ SIDELITE ADAPTER**
DLP Industries



29 **OUTSWING THRESHOLD**
DLP Industries

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 License No. 9813

PRODUCT:
PLASTPRO INC
FIBERGLASS DOOR

PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
2	8/10/23	UPDATE TO 8TH ED. (2023) FBC
1	7/23/20	UPDATE TO 7TH ED (2020) FBC
LFS		
LFS		
BY		

DATE: 10/15/19

SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

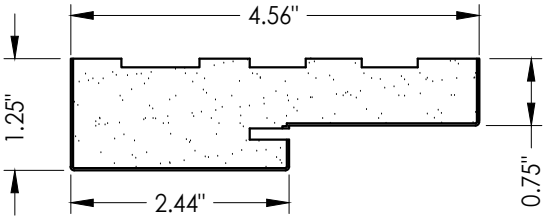
DRAWING NO.:

FL-28685.16

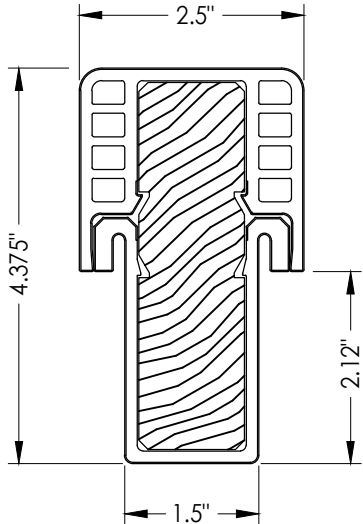
SHEET 12 OF 13

Z:\2023 FBC Drawings\Plastpro\FL-28685 R3\FL-28685.16.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	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 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
I	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	#10 X 2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL
1	POLY FIBER JAMB	COMP
3	INTEGRAL MULLION	COMP/WOOD
6	DOOR SWEEP	PVC
7	WEATHERSTRIP	FOAM
9	#9 X 3/4" PFH WOOD SCREW	STEEL
11	4" X 4" HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	10-32 X 3/8" PFH MACHINE SCREW	STEEL
15	#12 X 2-1/2" PFH WOOD SCREW	STEEL
16	#8 X 2-1/2" PFH WOOD SCREW	STEEL
20	INSWING THRESHOLD	ALUM/COMP
21	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
22	OUTSWING THRESHOLD	ALUM/COMP
23	OUTSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
24	INSWING THRESHOLD	ALUM/COMP
25	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
26	OUTSWING THRESHOLD	ALUM/COMP
27	INSWING THRESHOLD	ALUM/WOOD
28	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/WOOD
29	OUTSWING THRESHOLD	ALUM/WOOD
32	#10 X 3" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-



1 **POLY FIBER JAMB**
Plastpro PF Jamb



3 **INTEGRAL MULLION**
Endura "FusionFrame"

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 BUILDEX TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"
	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 License No. 9813	
PRODUCT: PLASTPRO INC FIBERGLASS DOOR		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
		LFS	BY
		FBC	
		UPDATE TO 8TH ED. (2023)	
		FBC	
		UPDATE TO 7TH ED (2020)	
		FBC	
		NO.	DATE
		2	8/10/23
		1	7/23/20
DATE: 10/15/19		REVISIONS	
SCALE: N.T.S.			
DWG. BY: TRJ			
CHK. BY: LFS			
DRAWING NO.: FL-28685.16			
SHEET 13 OF 13			