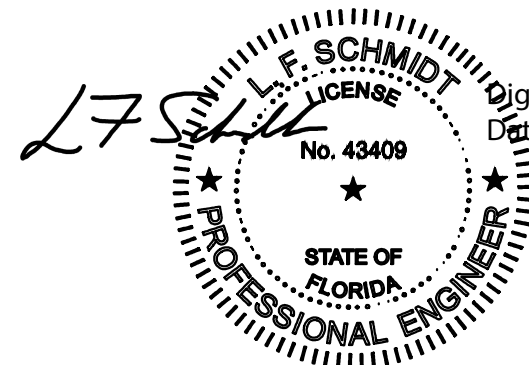




DIRECT GLAZED FIBERGLASS DOORS
SINGLES w/ SIDELITE(S)
INSWING / OUTSWING
"NON-IMPACT"

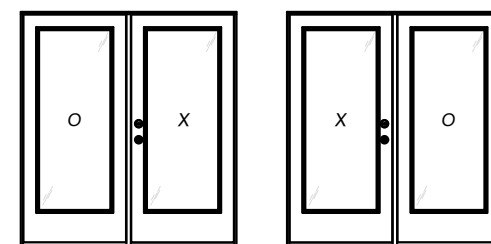
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door & Sidelite panel details
3	Elevations
4	Horizontal cross sections
5	Horizontal & Vertical Cross Sections (2X Buck)
6	Horizontal & Vertical Cross Sections (1X Buck)
7	Horizontal & Vertical Cross Sections (Direct to Masonry)
8	Vertical Cross Sections (Thresholds)
9	Horizontal & Vertical Cross Sections (Direct to Masonry)
10	Buck anchoring
11	Frame anchoring & hardware details
12	Components
13	Bill of materials & components



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.

Technical drawing of the three-panel door assembly. The drawing shows three vertical panels. The left panel contains a large 'O' marking. The middle panel contains a large 'X' marking and two small circular markings near the handle. The right panel contains a large 'O' marking. Dimensions are indicated: 82" OVERALL FRAME HEIGHT (INSWING) and 81.25" OVERALL FRAME HEIGHT (OUTSWING) on the left, and 112.25" MAX. OVERALL FRAME WIDTH on the top.



XO

CONTINUOUS HEAD & SILL

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX/XO	74.75" x 82.0"	+55.0	-60.0	+55.0	-55.0
OXO	112.25" x 82.0"	+55.0	-60.0	+55.0	-55.0

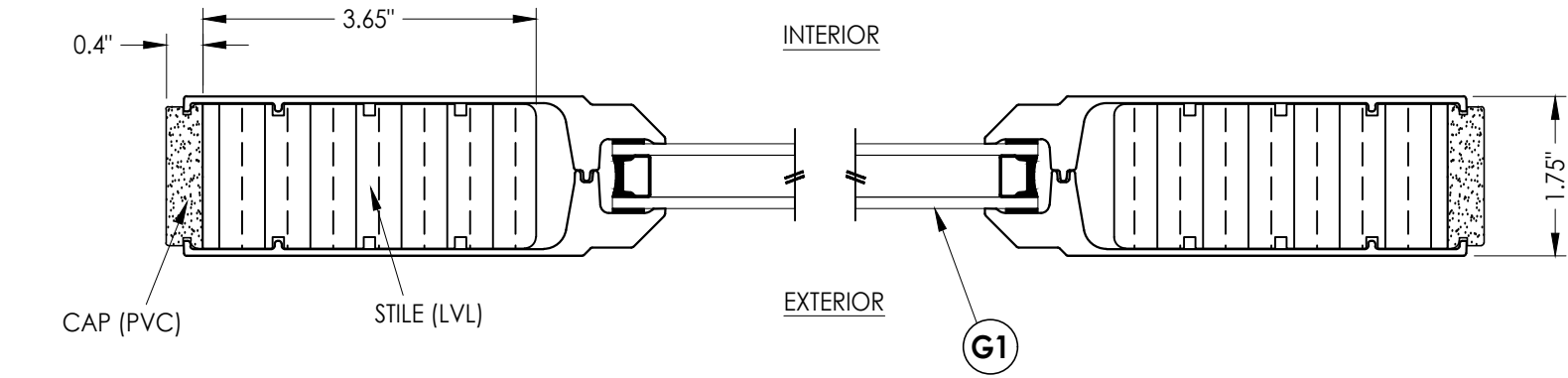
R^gW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33487
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

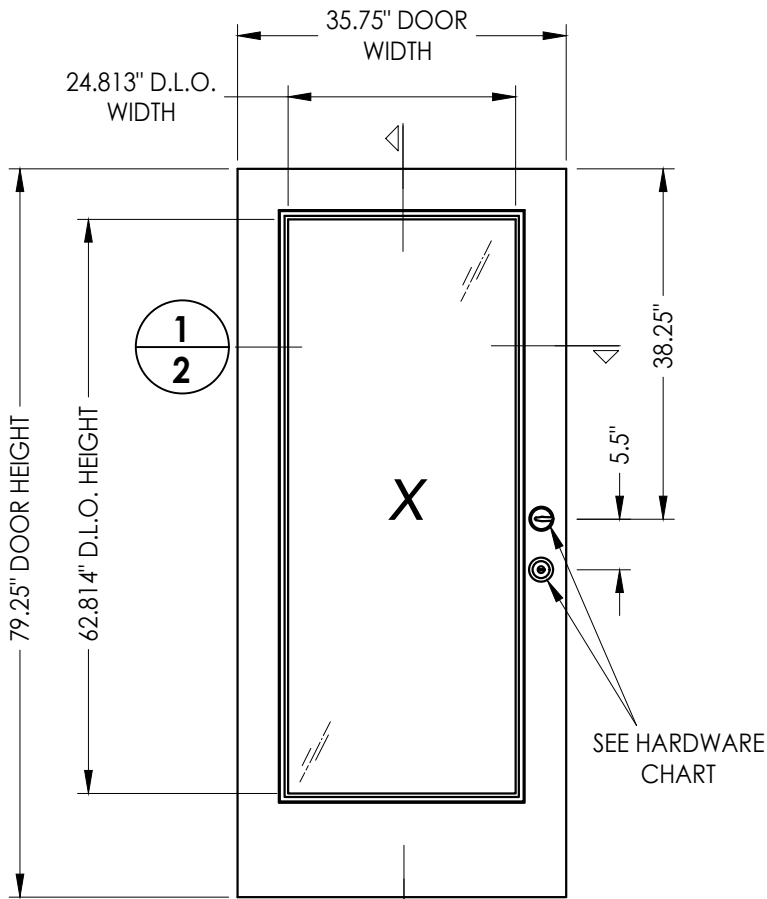
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2	8/10/23	UPDATE TO 8TH ED. (2023)	FBC
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC
			LFS
			LFS
			BY

DATE:	2/11/19
SCALE:	N.T.S.
DWG. BY:	MT
CHK. BY:	LFS
DRAWING NO.:	FL-28685.3
SHEET	1 OF 13

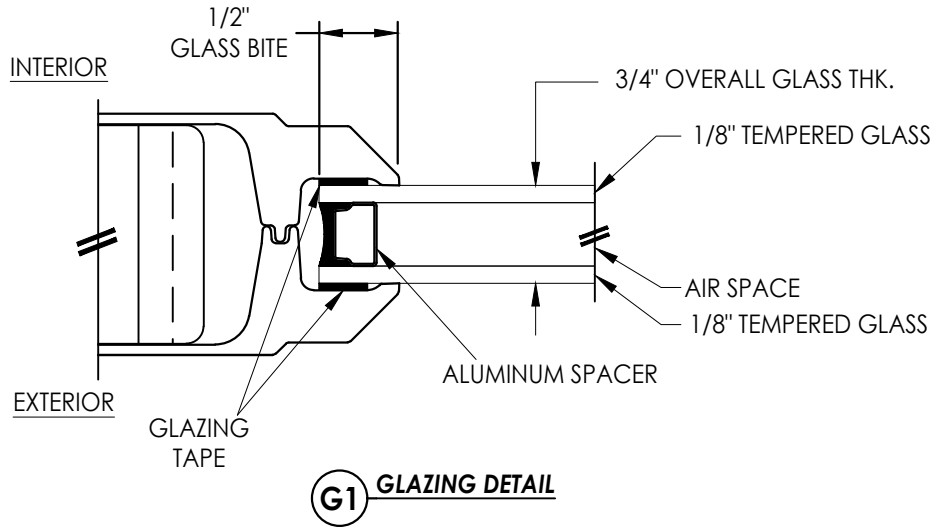
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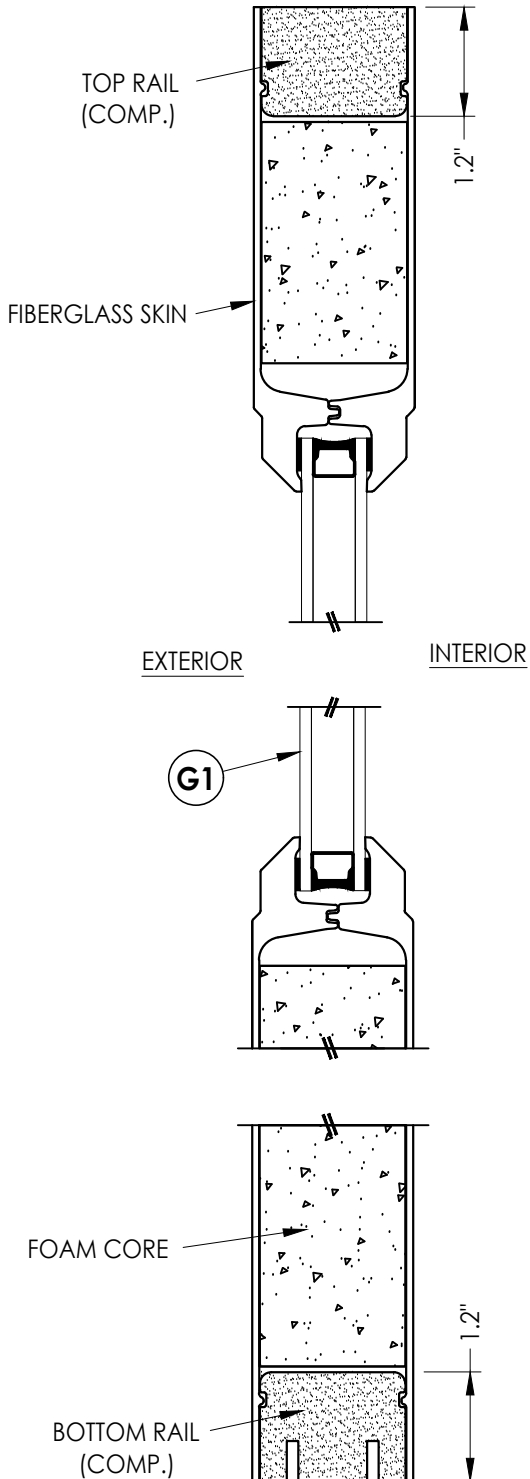
1
2
HORIZONTAL CROSS SECTION



- 40 PLASTPRO DOOR PANEL
50 PLASTPRO SIDELITE PANEL



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

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

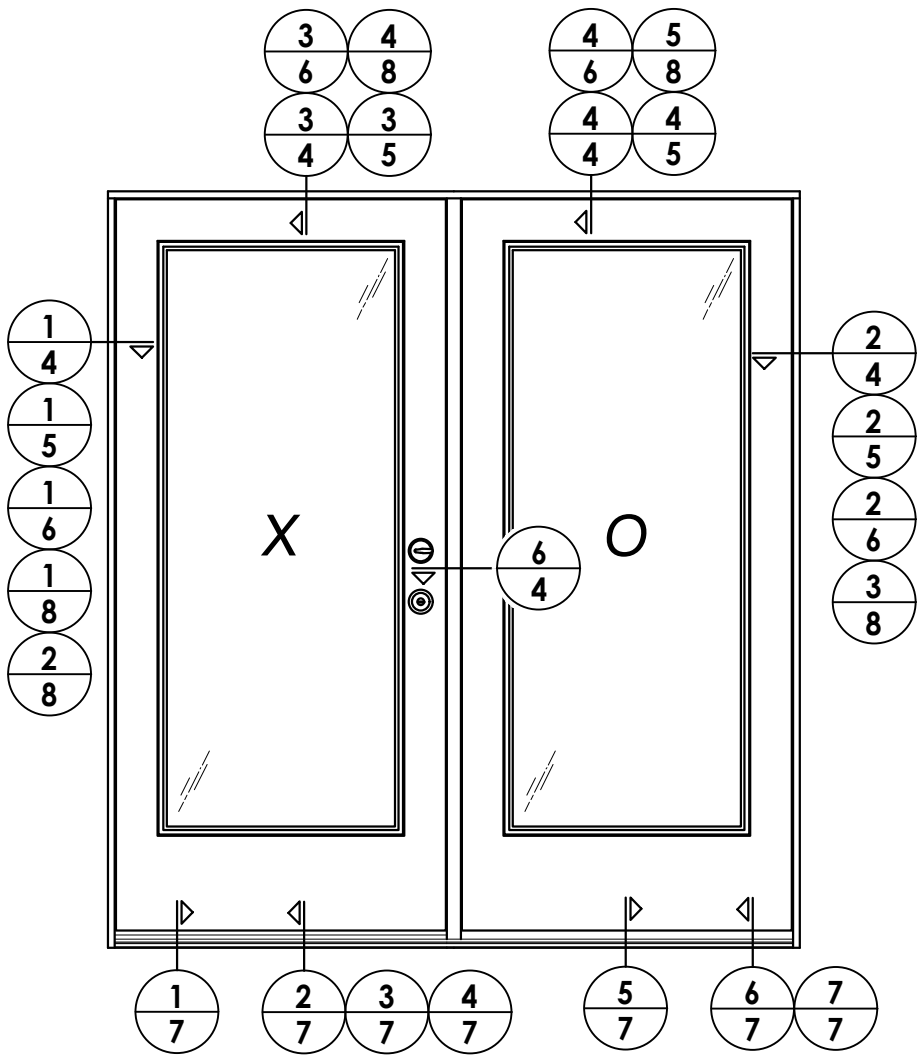
PRODUCT: PLASTPRO INC
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR & SIDELITE
PANEL DETAILS

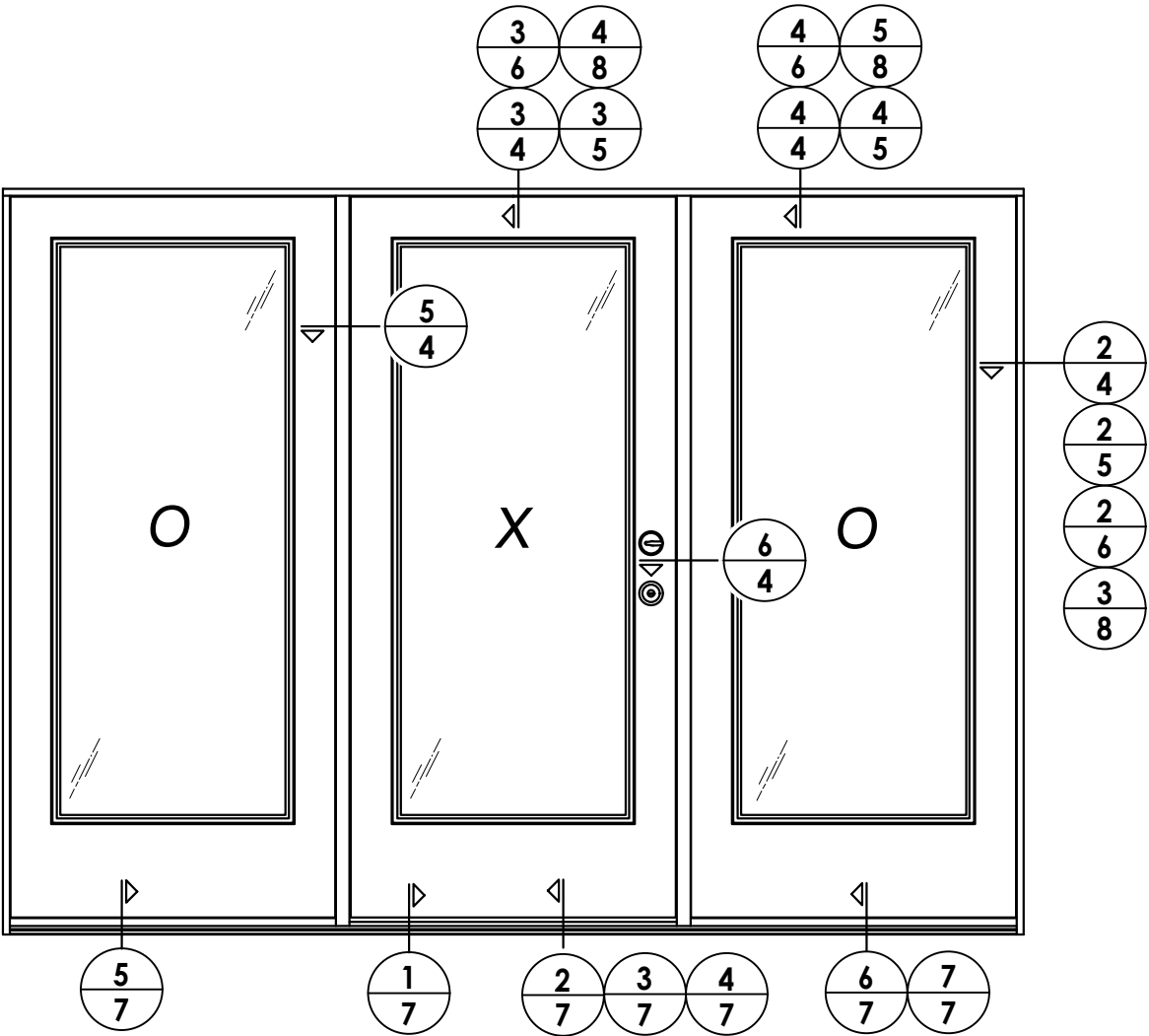
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1	7/23/20	LFS	UPDATE TO 7TH ED (2020) FBC

DATE: 2/11/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: FL-28685.3
SHEET 2 OF 13

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ELEVATION
XO / OX



ELEVATION
OXO

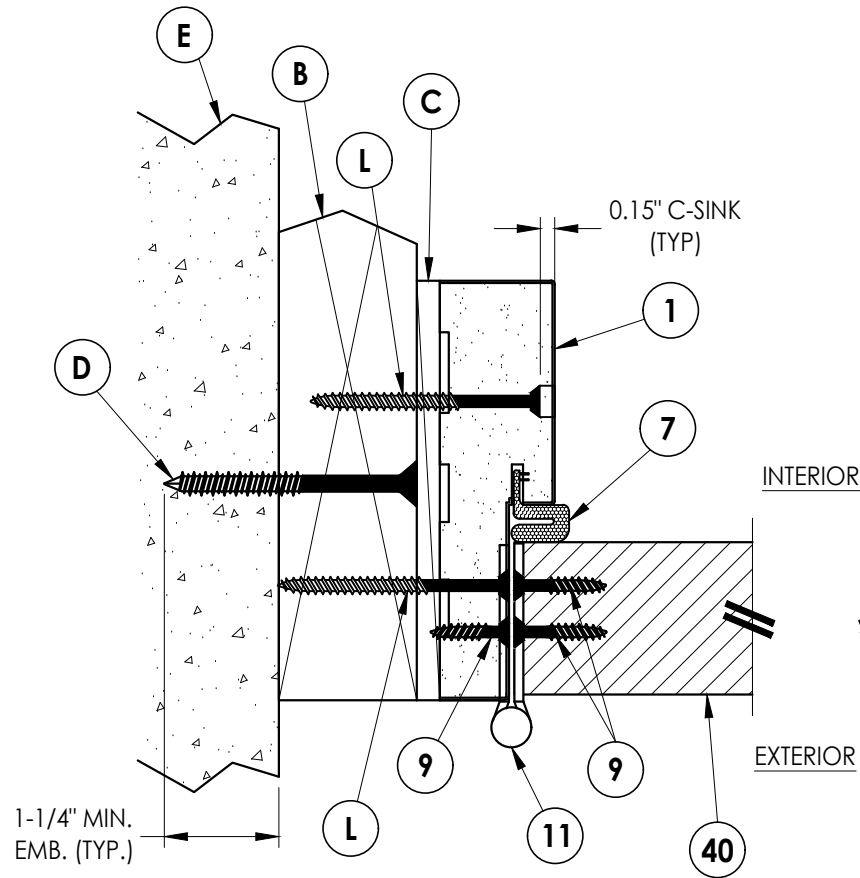
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1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS					
NO.	DATE			BY					

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SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.:
FL-28685.3
SHEET 3 OF 13

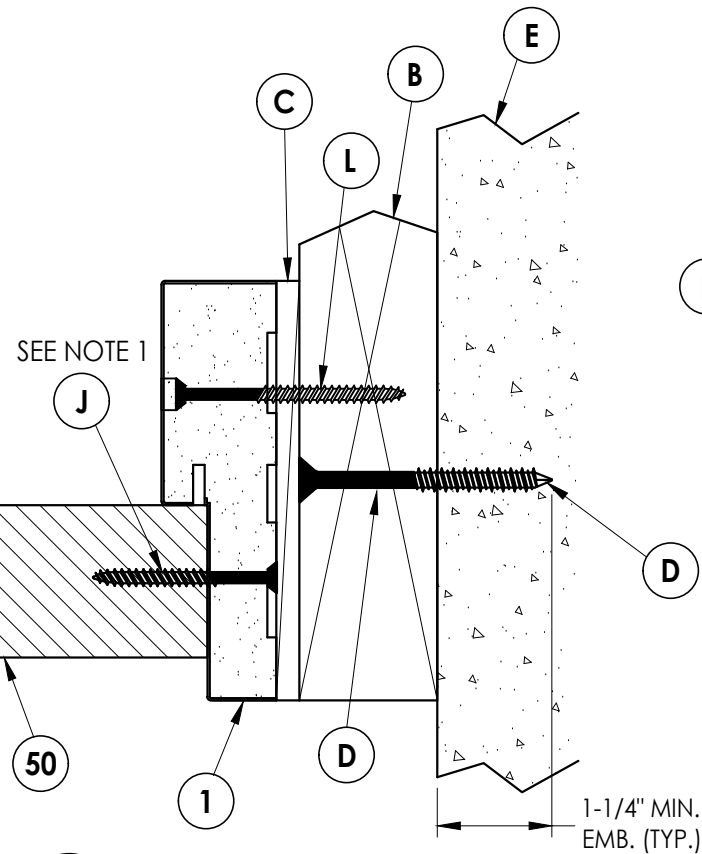
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FIBERGLASS DOOR
PART OR ASSEMBLY:
ELEVATIONS

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

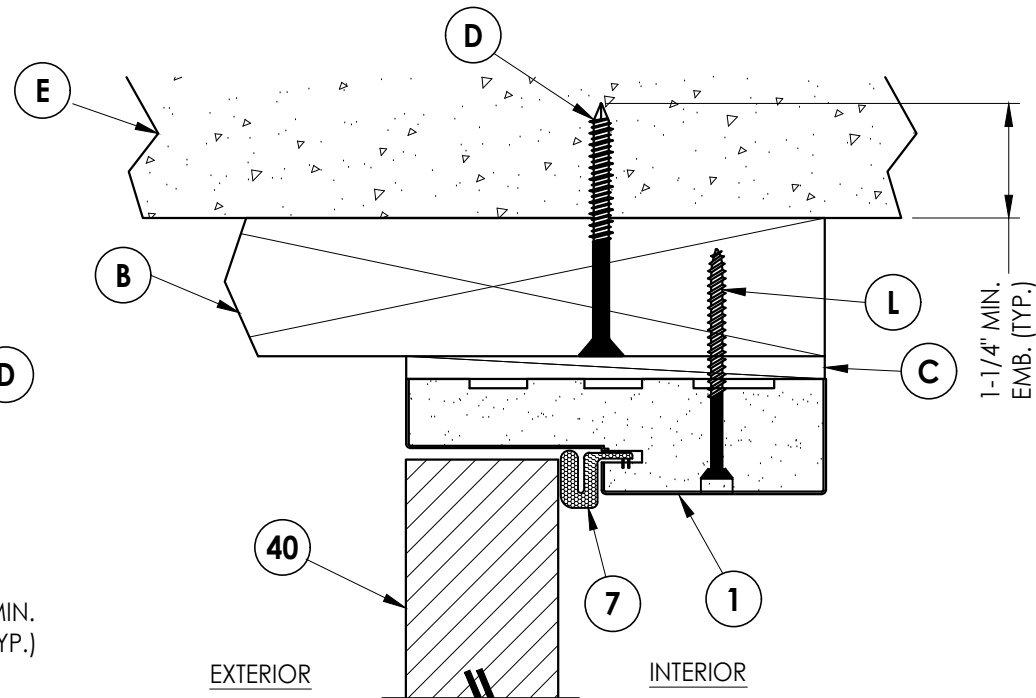
R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



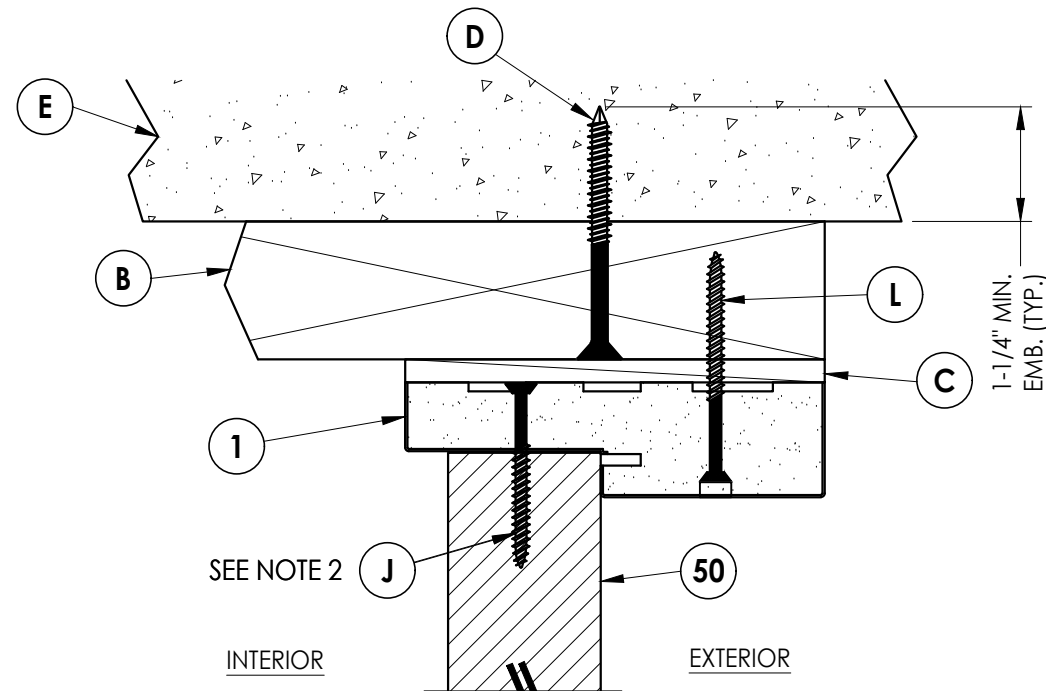
1
4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



2
4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



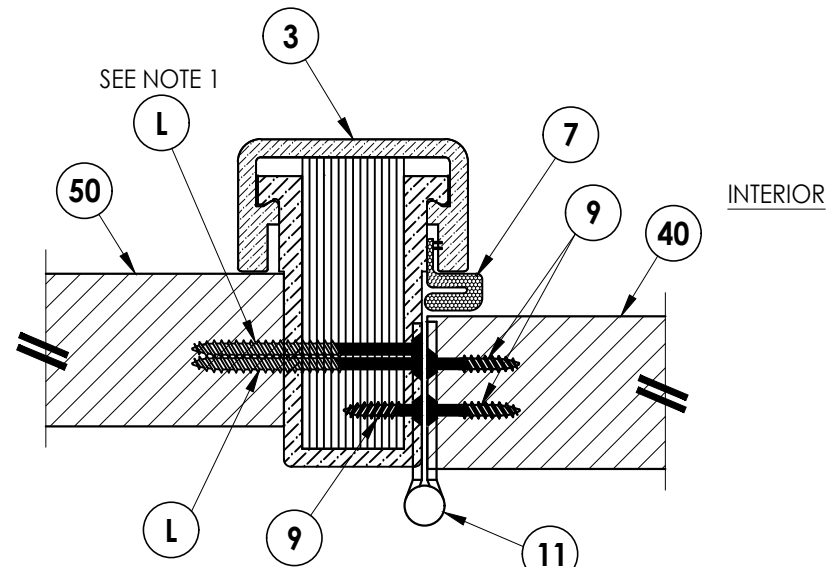
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4 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)



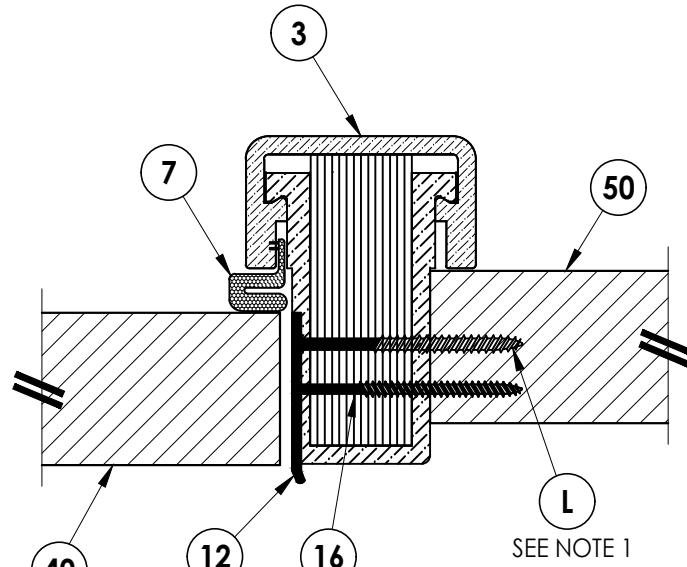
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4 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)

NOTES:

1. Spacing for item J & L: 6" from each end and 4 more equally spaced along sidelite jamb (6 total).
2. Spacing for item J @ head & sill: 6" from ends (2 total).



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



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

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 & VERTICAL
CROSS SECTIONS (2X BUCK)

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

DATE: 2/11/19

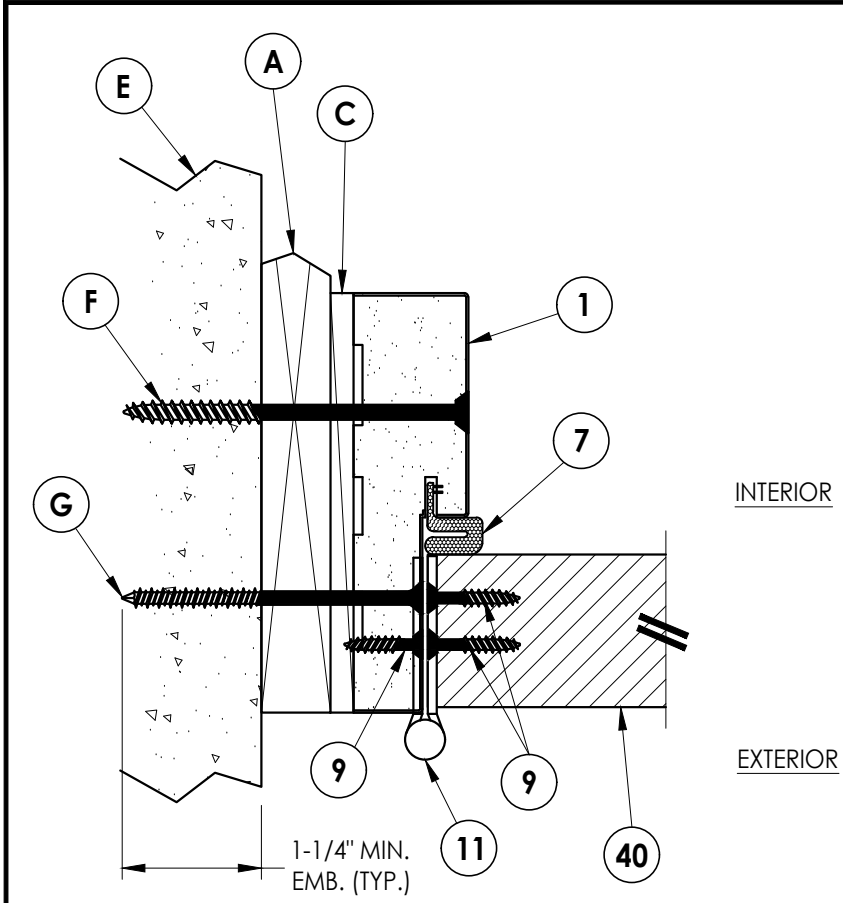
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DWG. BY: MT

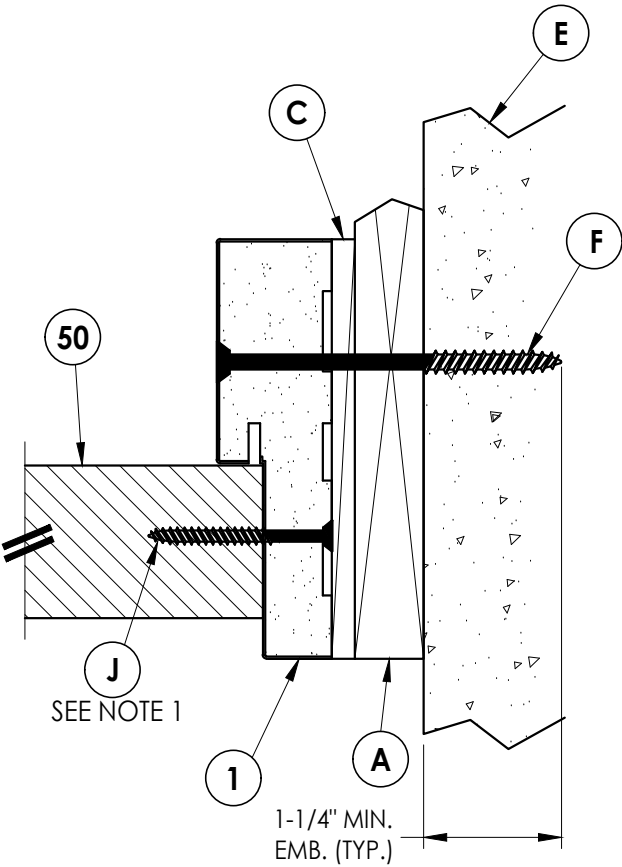
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DRAWING NO.: FL-28685.3

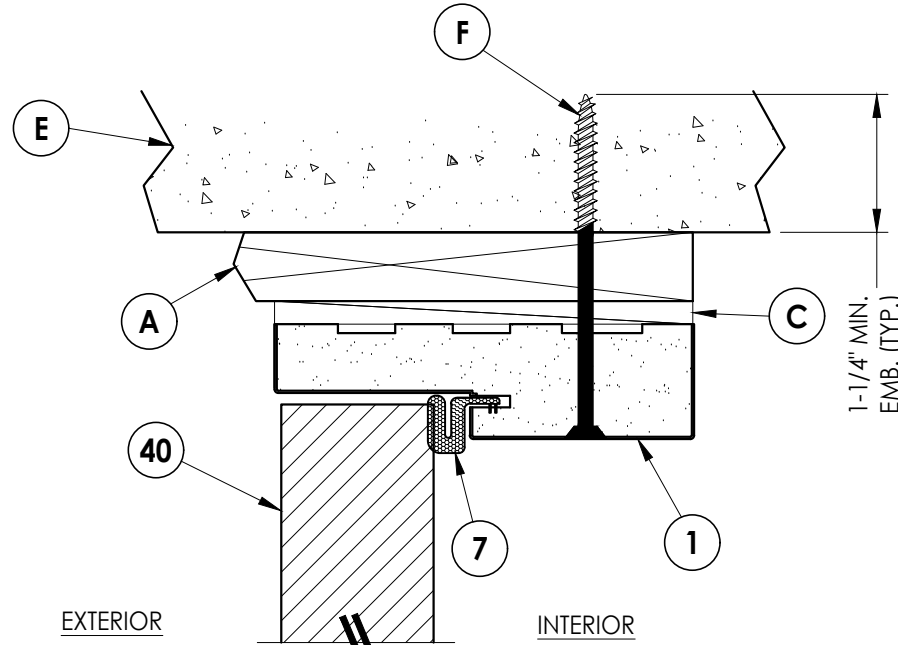
SHEET 4 OF 13



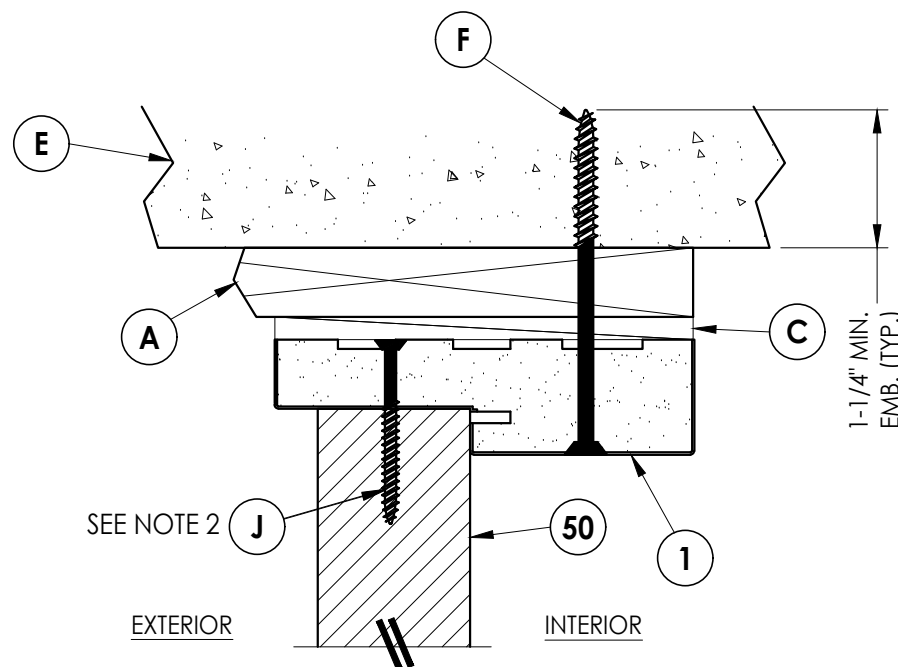
1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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

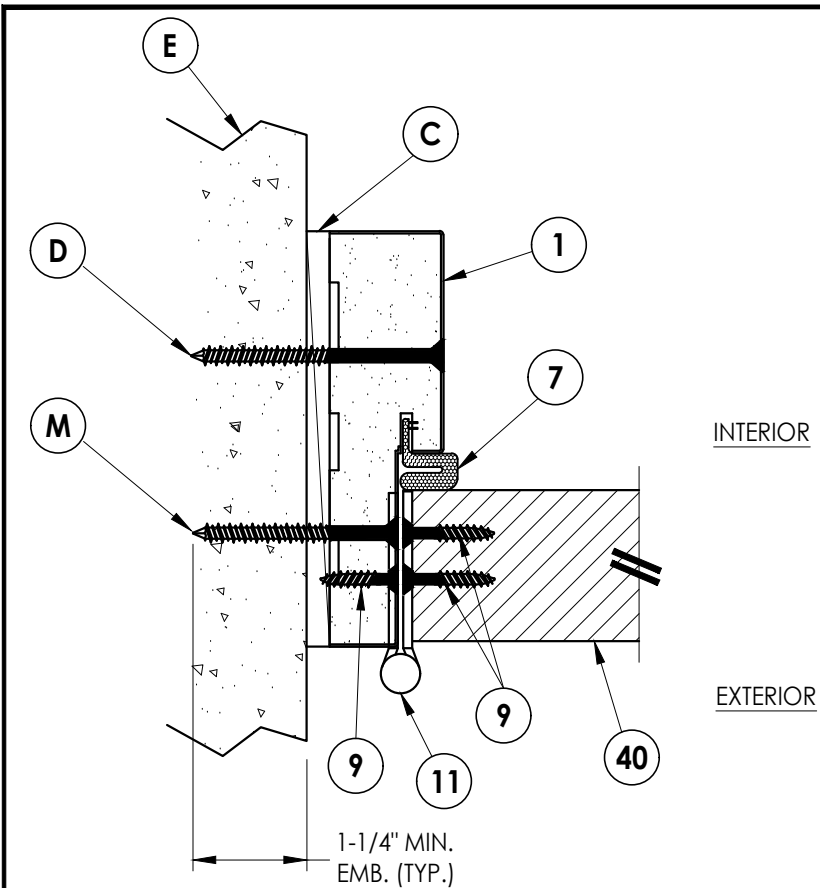


4
5 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

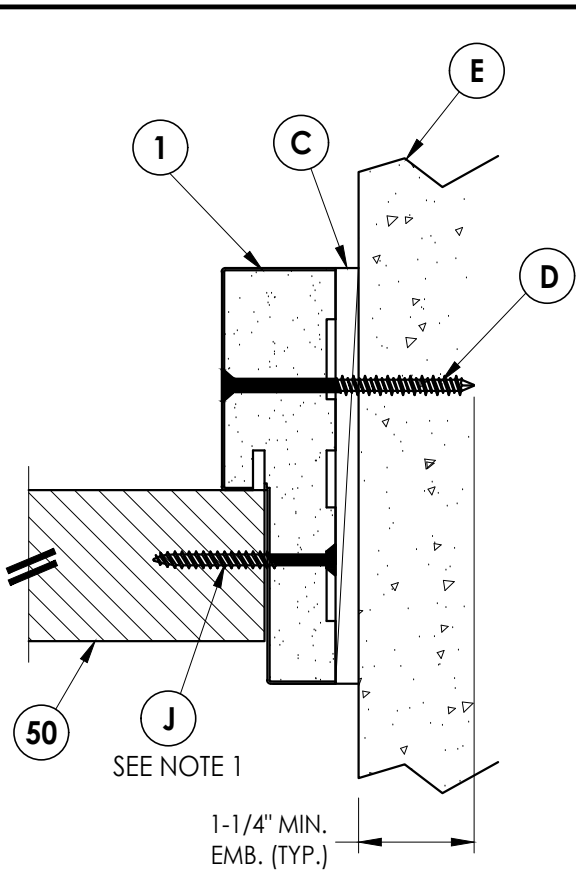
- NOTES:
1. Spacing for item J: 6" from each end and 4 more equally spaced along sidelite jamb (6 total).
 2. Spacing for item J @ head & sill: 6" from ends (2 total).

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: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
		LFS	BY
		FBC	
	8/10/23	UPDATE TO 8TH ED. (2023)	
	7/23/20	UPDATE TO 7TH ED (2020)	
	NO.	DATE	REVISIONS
DATE: 2/11/19			
SCALE: N.T.S.			
DWG. BY: MT			
CHK. BY: LFS			
DRAWING NO.: FL-28685.3			
SHEET 5 OF 13			

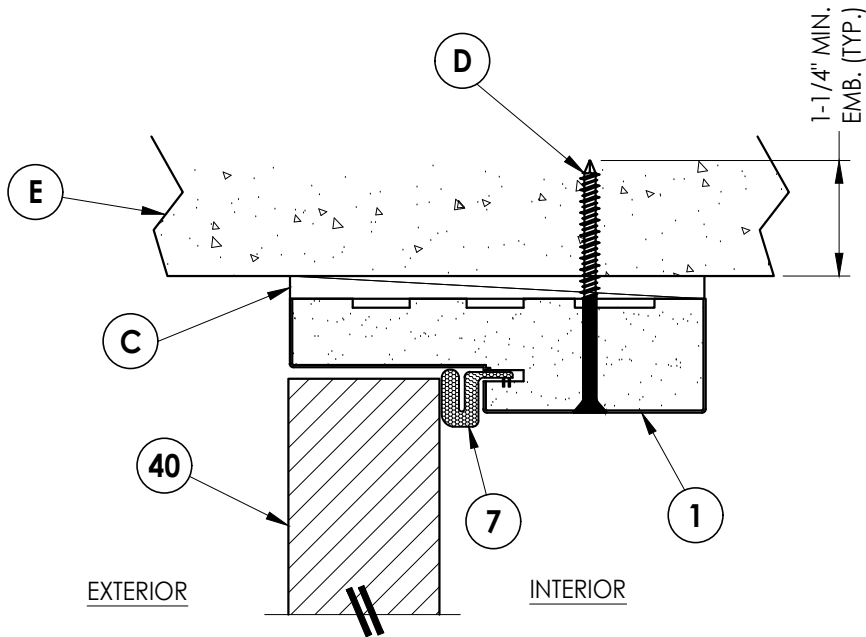
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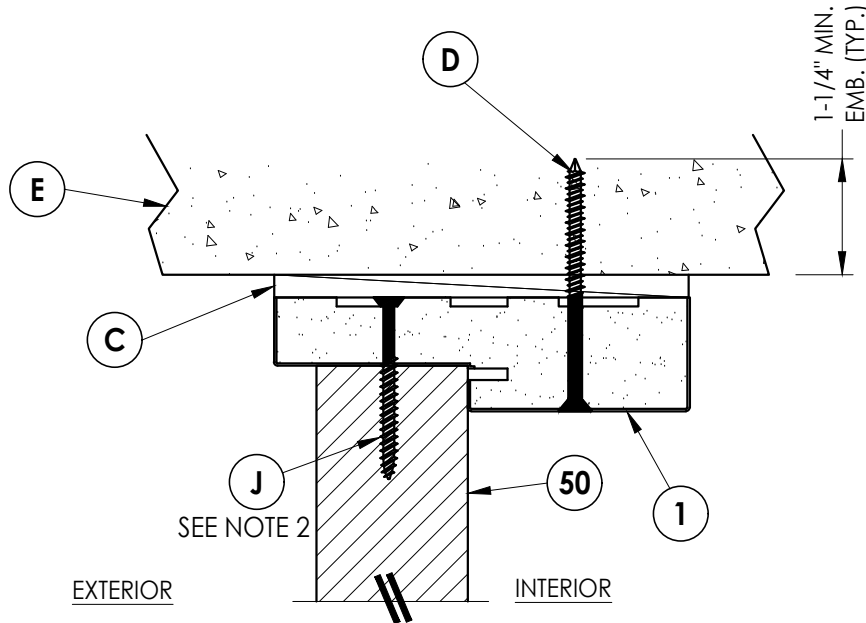
1
6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



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)



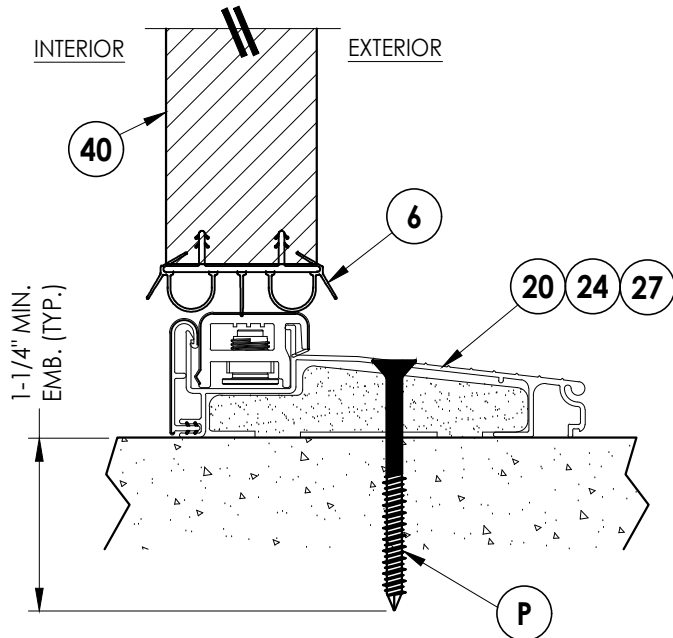
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6 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

NOTES:

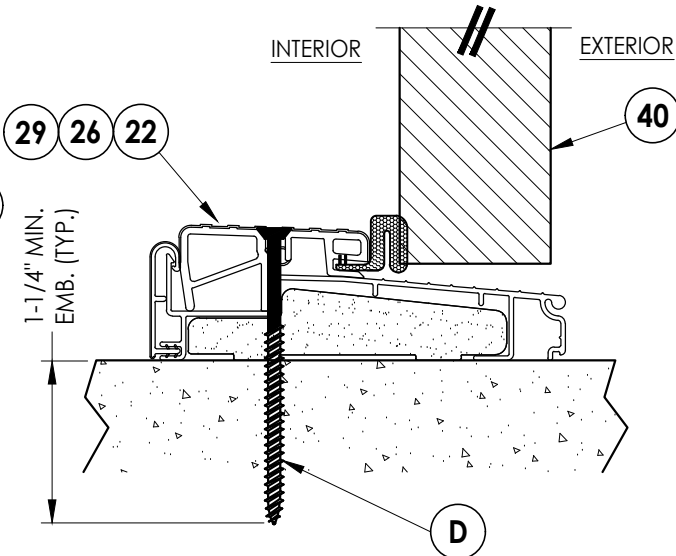
1. Spacing for item J: 6" from each end and 4 more equally spaced along sidelite jamb (6 total).
2. Spacing for item J @ head & sill: 6" from ends (2 total).

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: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)			
				LFS	FBC	DATE	REVISIONS
				2	8/10/23	UPDATE TO 8TH ED. (2023)	
				1	7/23/20	UPDATE TO 7TH ED (2020)	
				NO.	DATE		
DATE: 2/11/19							
SCALE: N.T.S.							
DWG. BY: MT							
CHK. BY: LFS							
DRAWING NO.: FL-28685.3							
SHEET 6 OF 13							

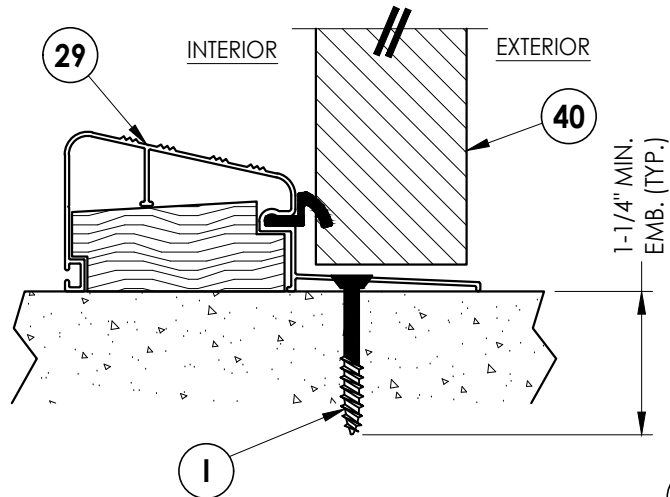
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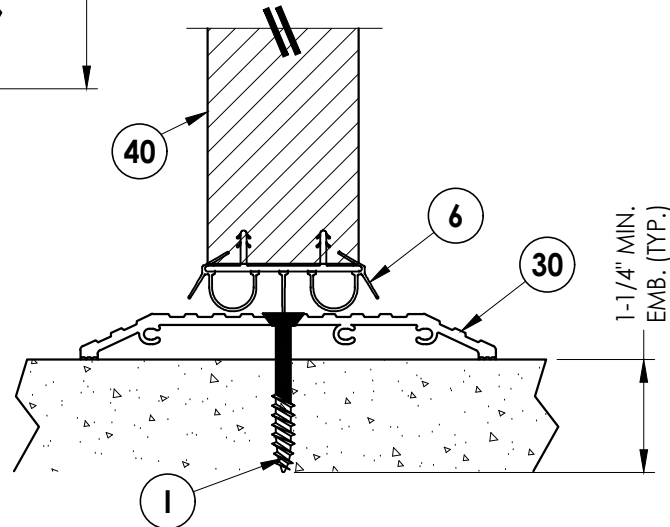
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7 **VERTICAL CROSS SECTION**
Inswing sill



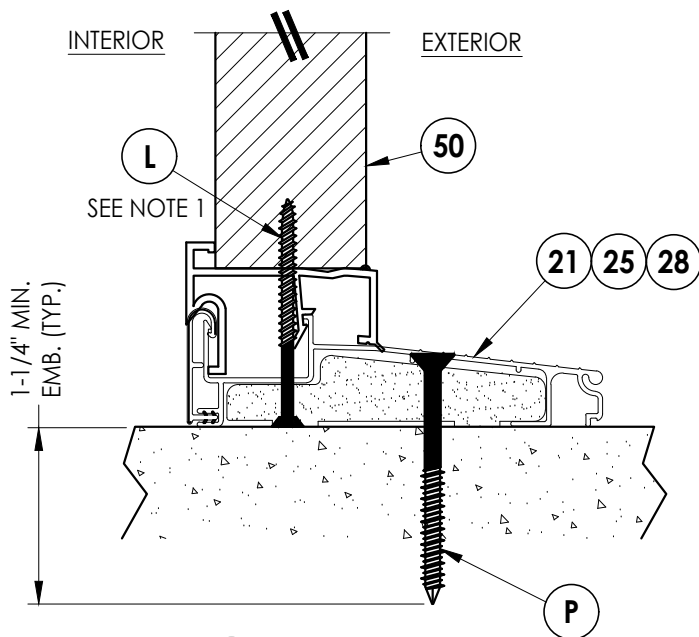
2
7 **VERTICAL CROSS SECTION**
Outswing sill



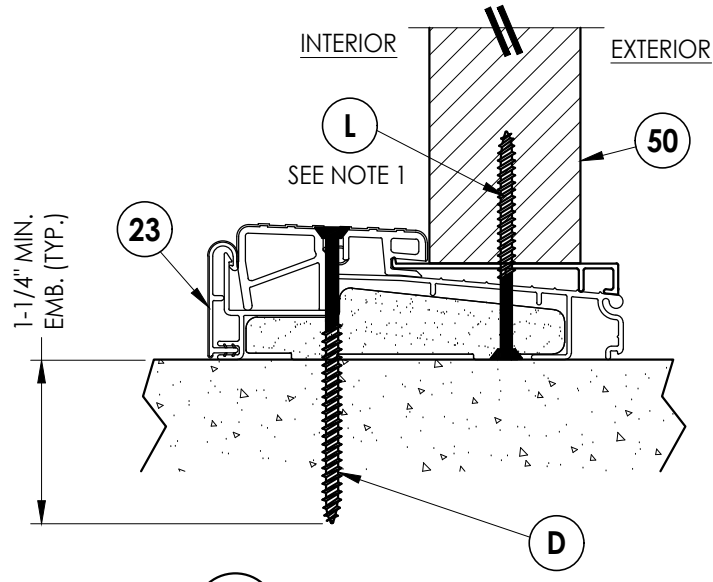
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7 **VERTICAL CROSS SECTION**
Outswing sill



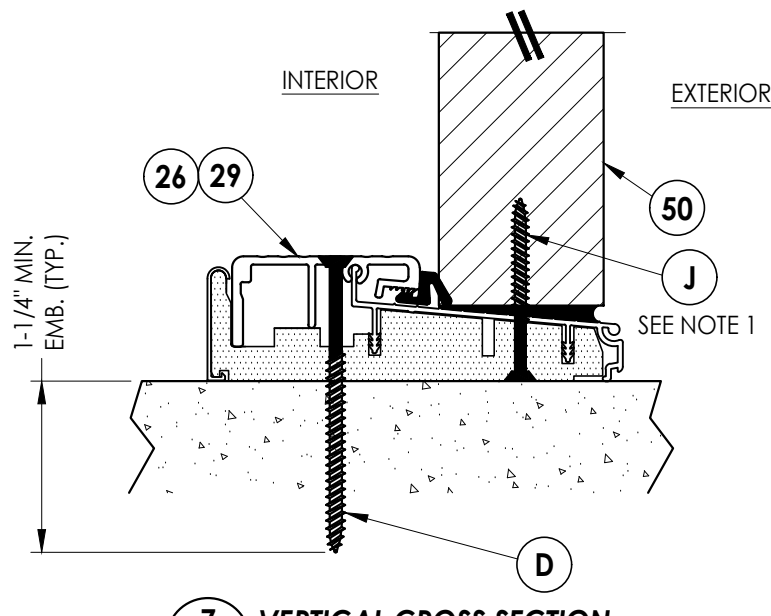
4
7 **VERTICAL CROSS SECTION**
ADA Sill



5
7 **VERTICAL CROSS SECTION**
Inswing sill



6
7 **VERTICAL CROSS SECTION**
Inswing sill



7
7 **VERTICAL CROSS SECTION**
Outswing sill

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

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 (THRESHOLDS)

DATE: 2/11/19

SCALE: N.T.S.

DWG. BY: MT

CHK. BY: LFS

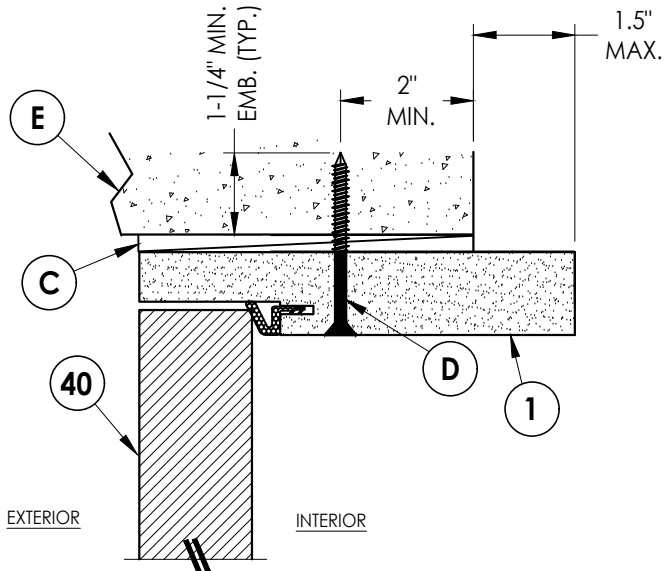
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FL-28685.3

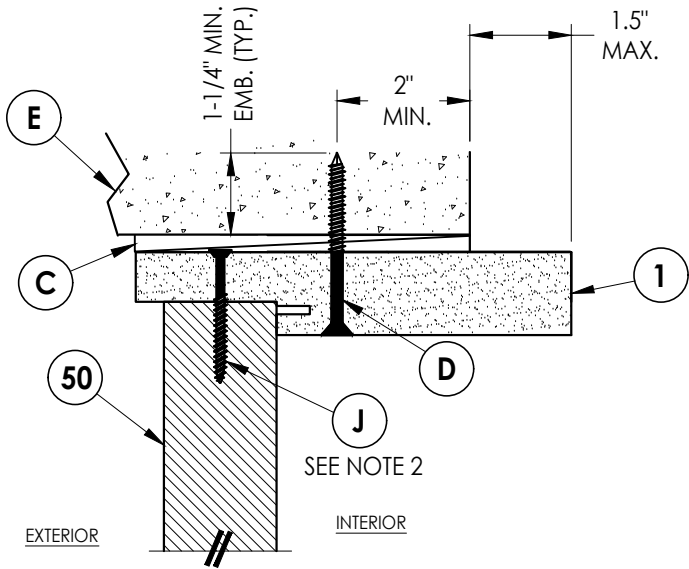
SHEET 7 OF 13

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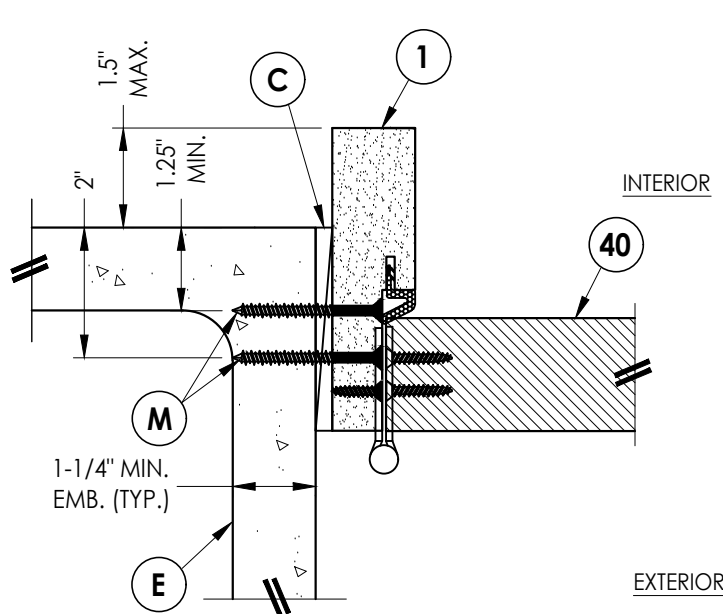
4
8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



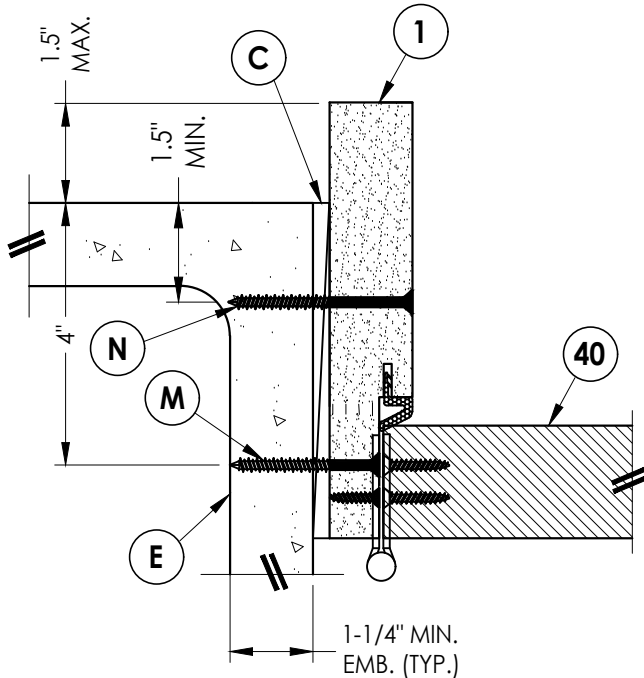
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8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

NOTES:

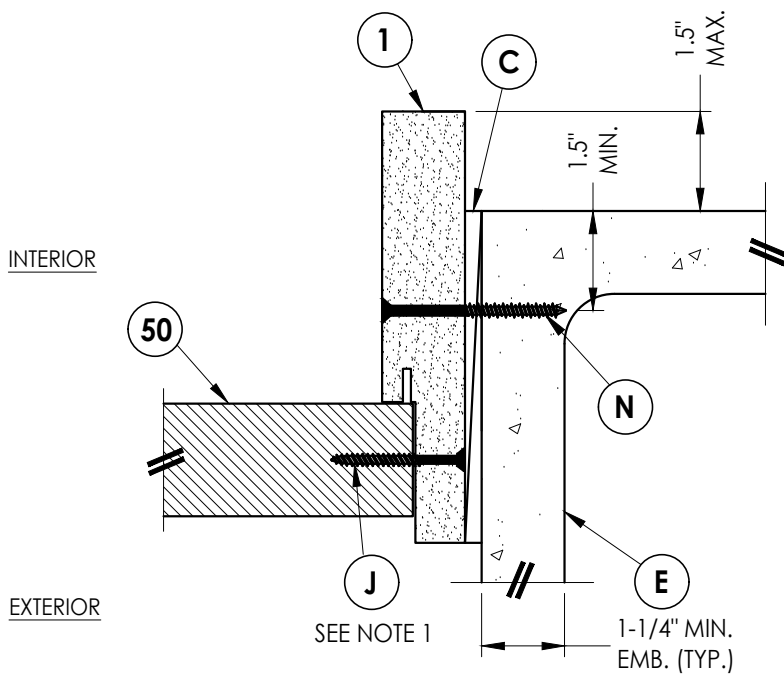
1. Spacing for item J: 6" from each end and 4 more equally spaced along sidelite jamb (6 total).
2. Spacing for item J @ head & sill: 6" from ends (2 total).



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

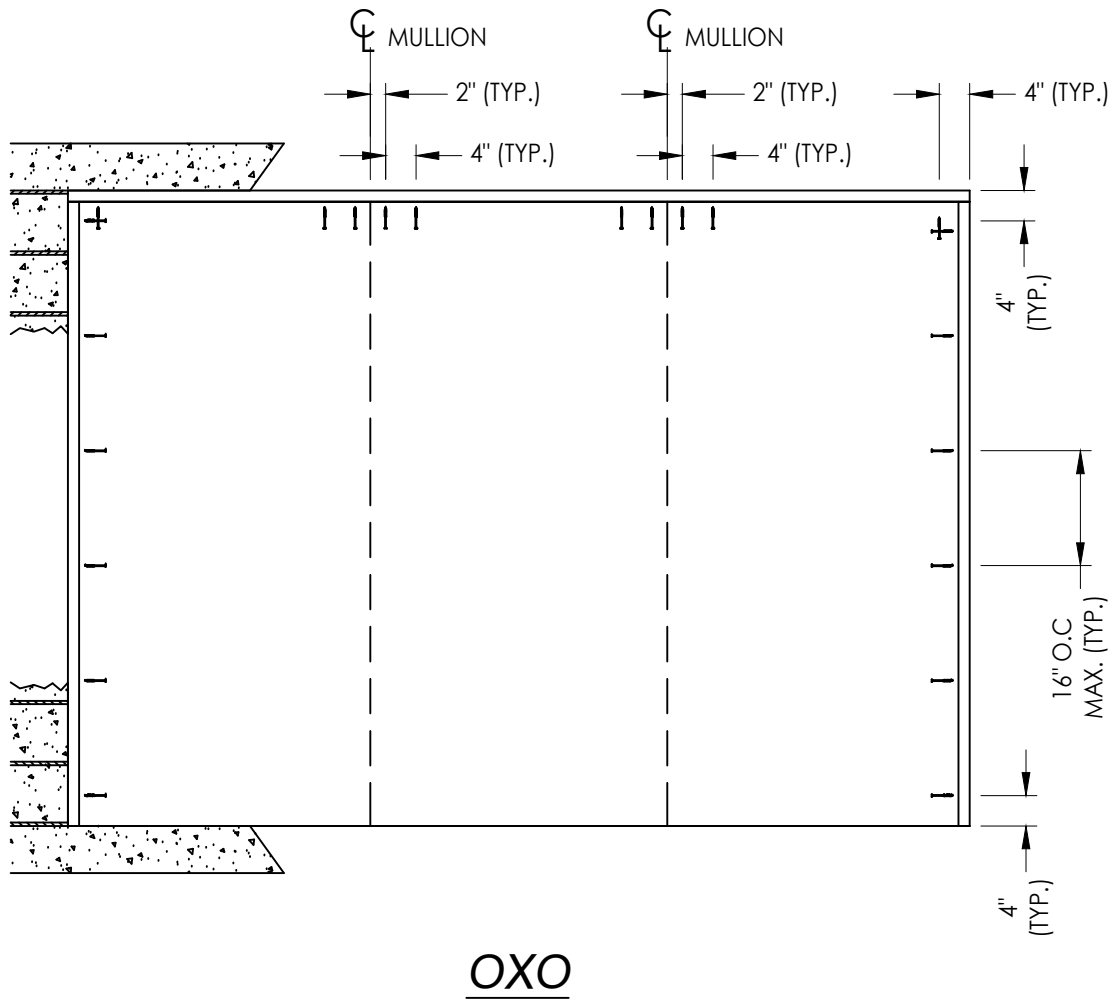
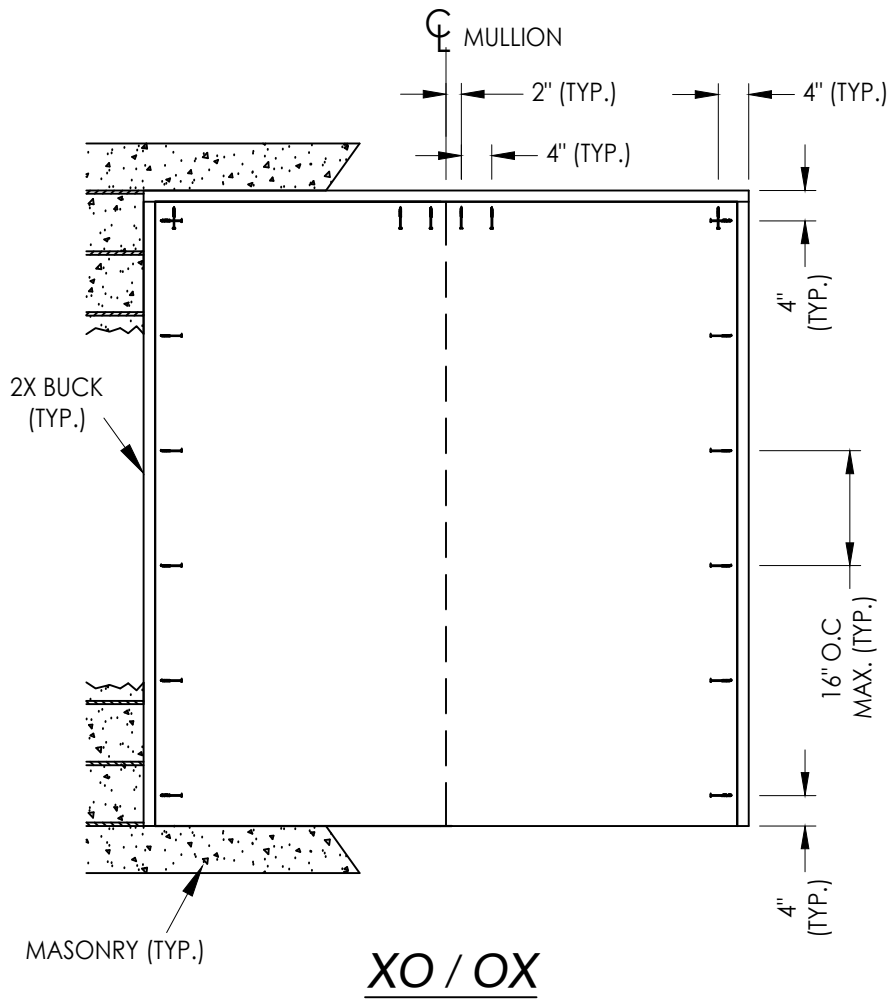
PRODUCT:	PLASTPRO INC FIBERGLASS DOOR
	PART OR ASSEMBLY: HORIZONTAL & VERTICAL SECTIONS (DIRECT TO MASONRY)

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

DATE:	2/11/19
SCALE:	N.T.S.
DWG. BY:	MT
CHK. BY:	LFS
DRAWING NO.:	FL-28685.3
SHEET	8 OF 13

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



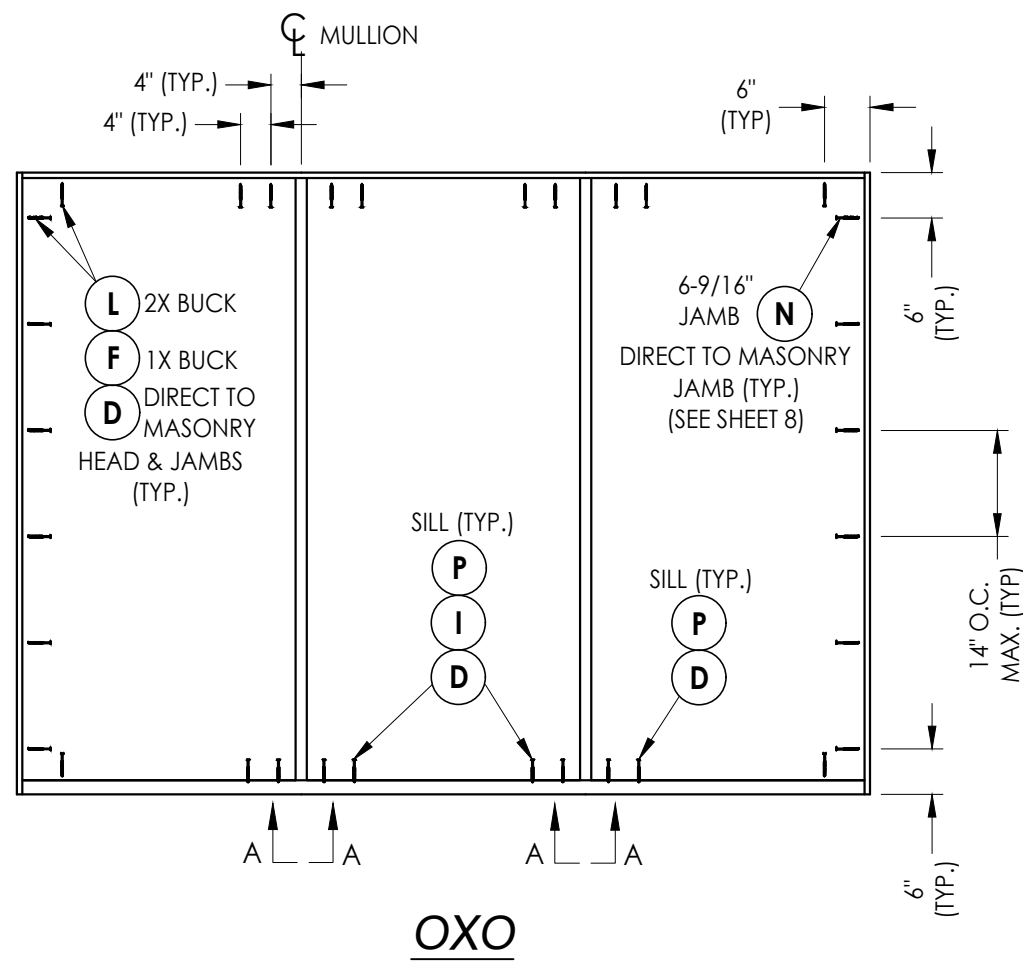
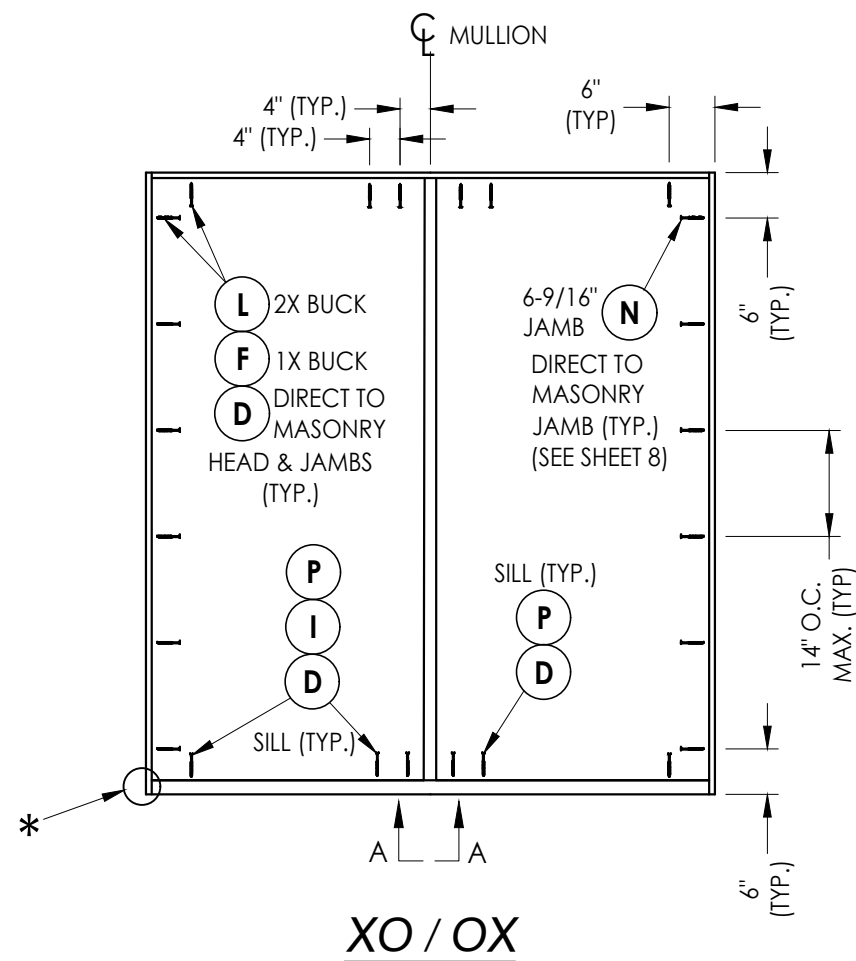
2X BUCK ANCHORING

DATE: 2/11/19	
SCALE: N.T.S.	
DWG. BY: MT	
CHK. BY: LFS	
DRAWING NO.: FL-28685.3	
SHEET	9 OF 13

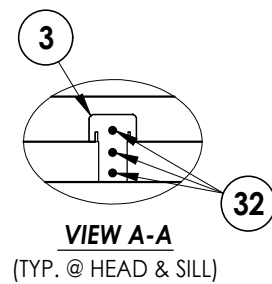
NO.	DATE	REVISIONS
2	8/10/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC LFS

PRODUCT:	PLASTPRO INC FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
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FRAME ANCHORING



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

	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: 2/11/19

SCALE: *N.T.S.*

DWG. BY: MT

CHK. BY: LFS

DRAWING NO.:

FL-28685.3

SHEET 10 OF 13

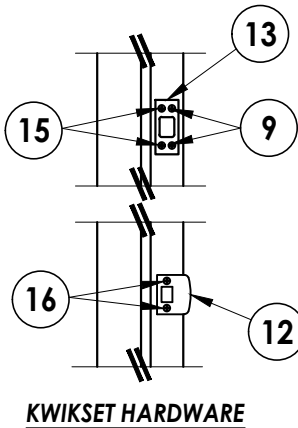
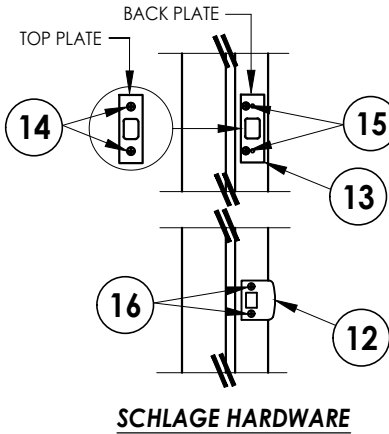
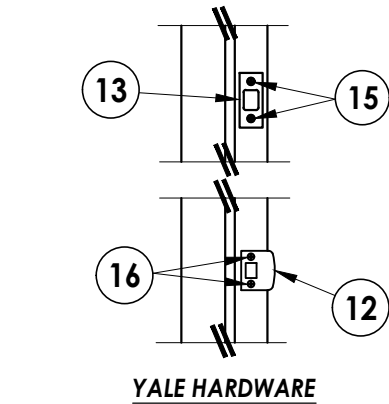
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW

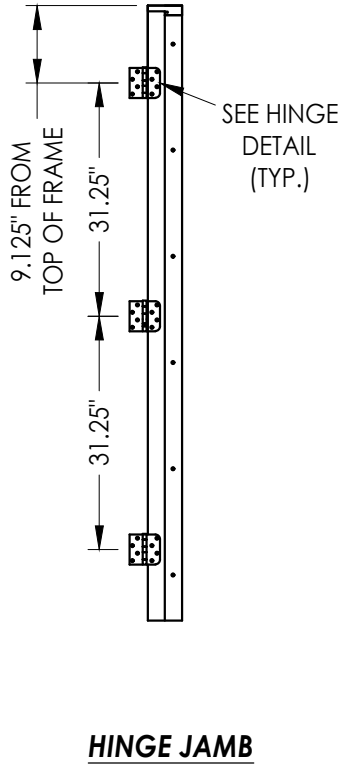
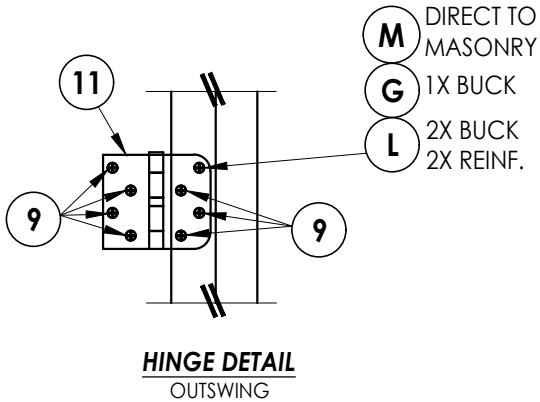
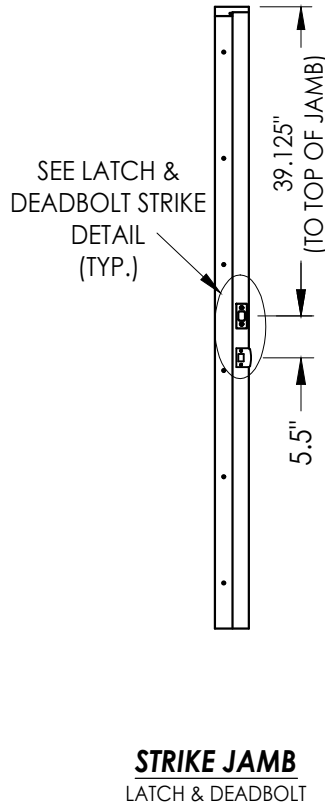
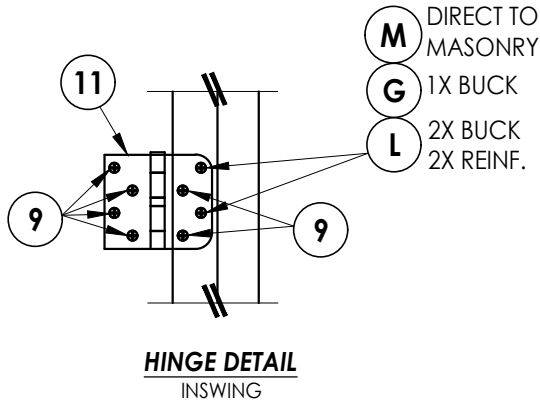
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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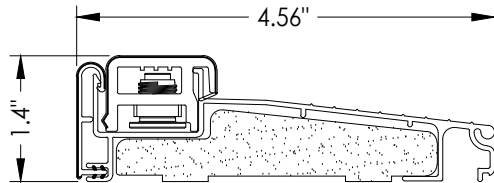
LATCH & DEADBOLT HARDWARE STRIKE DETAILS



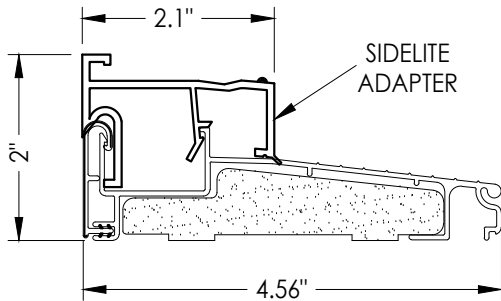
HARDWARE DETAILS

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: FRAME ANCHORING & HARDWARE DETAILS			
				LFS			
				FBC			
2	8/10/23	UPDATE TO 8TH ED. (2023)		LFS			
1	7/23/20	UPDATE TO 7TH ED (2020)		FBC			
NO.	DATE			BY			
REVISIONS							
DATE: 2/11/19							
SCALE: N.T.S.							
DWG. BY: MT							
CHK. BY: LFS							
DRAWING NO.: FL-28685.3							
SHEET 11 OF 13							

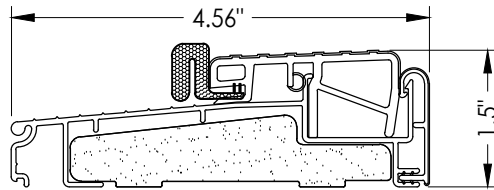
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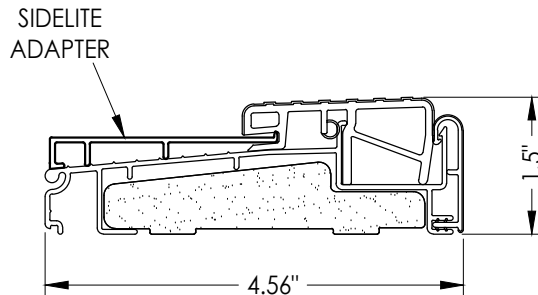
20 **INSWING THRESHOLD**
Endura (Z-Series)



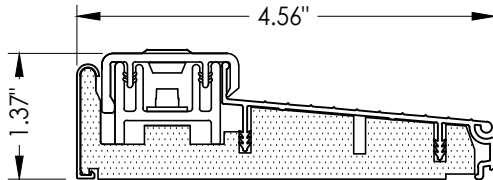
21 **INSWING THRESHOLD w/ SIDELITE ADAPTER**
Endura (Z-Series)



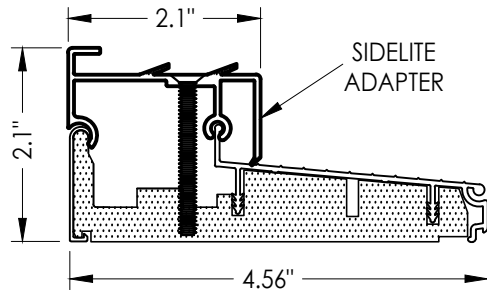
22 **OUTSWING THRESHOLD**
Endura (Z-Series)



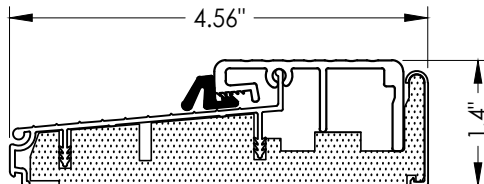
23 **OUTSWING THRESHOLD w/ SIDELITE ADAPTER**
Endura (Z-Series)



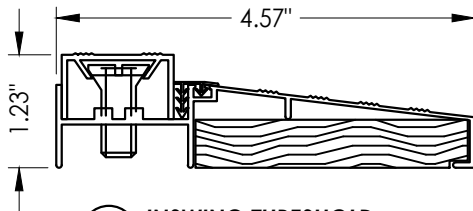
24 **INSWING THRESHOLD**
Columbia



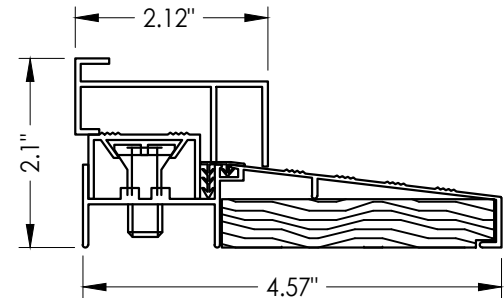
25 **INSWING THRESHOLD w/ SIDELITE ADAPTER**
Columbia



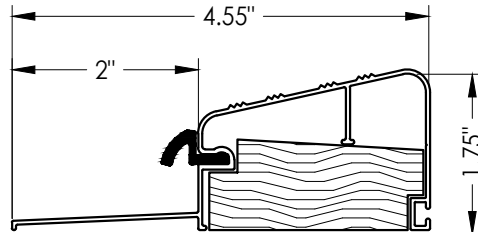
26 **OUTSWING THRESHOLD**
Columbia



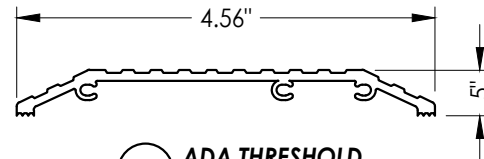
27 **INSWING THRESHOLD**
DLP



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



29 **OUTSWING THRESHOLD**
DLP (QOSR)



30 **ADA THRESHOLD**
DLP

Documents Prepared By:
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P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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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

DATE: 2/11/19

SCALE: N.T.S.

DWG. BY: MT

CHK. BY: LFS

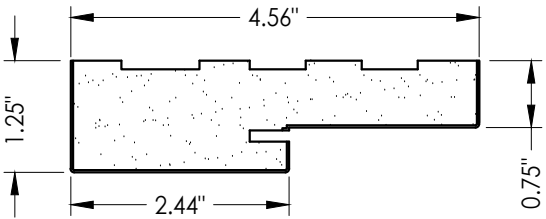
DRAWING NO.:

FL-28685.3

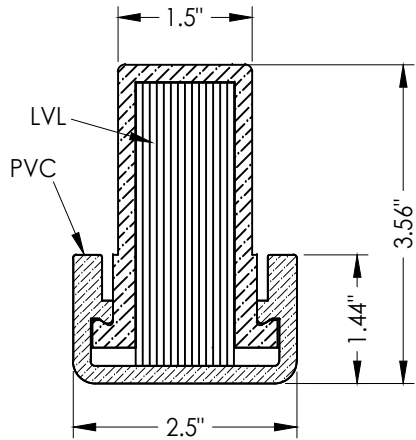
SHEET 12 OF 13

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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	MULLION (PLASTPRO)	PVC/LVL
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
30	ADA THRESHOLD	ALUM
32	#10 X 3" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-



1 **POLY FIBER JAMB**
Plastpro PF Jamb



3 **INTEGRAL MULLION**
Plastpro (3-Piece)

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.

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		LFS	BY
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		UPDATE TO 8TH ED. (2023)	
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		FBC	
		NO.	DATE
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SHEET 13 OF 13			