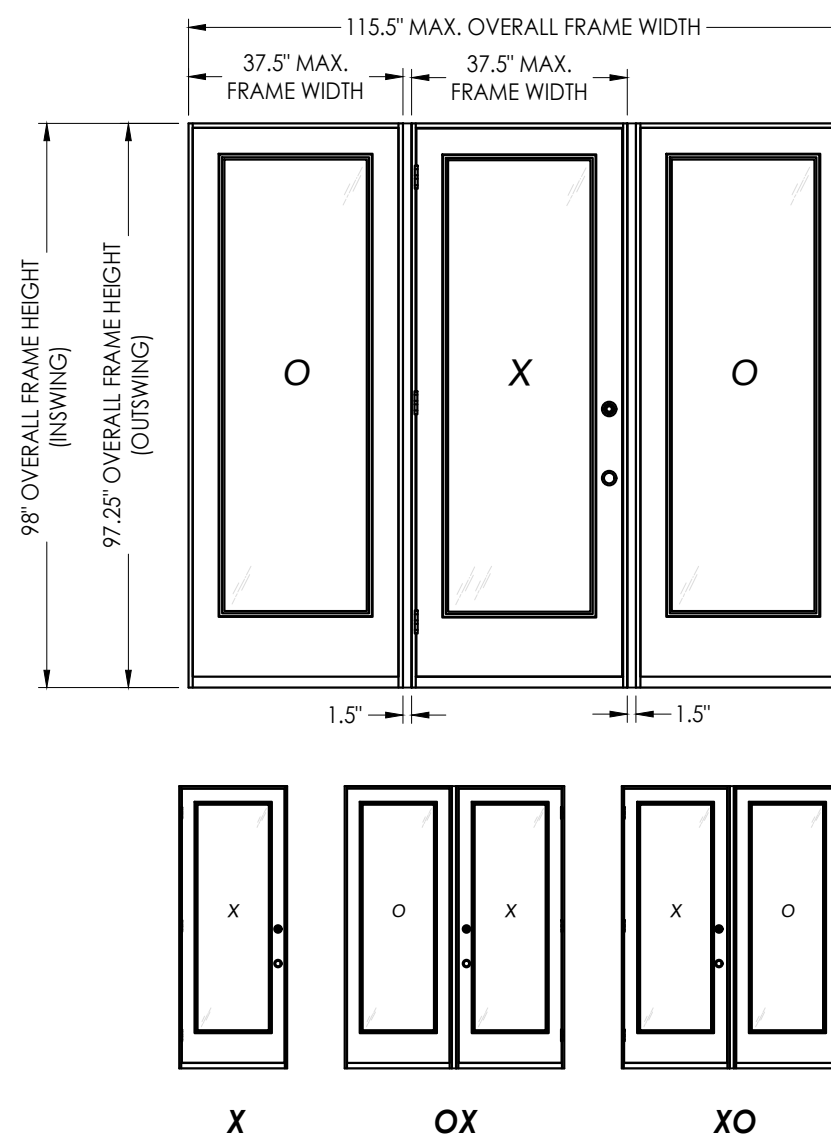




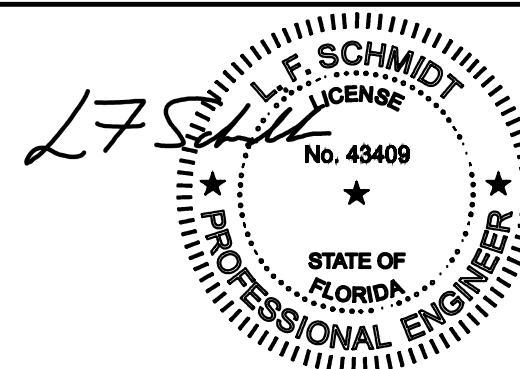
DIRECT GLAZED FIBERGLASS DOORS
SINGLES
w/ or w/out SIDELITES
INSWING / OUTSWING
"NON-IMPACT"

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
12	Hardware details
13	Components
14	Bill of materials and components



CONFIGURATION	MAX. FRAME DIMENSION	JAMB REINFORCEMENT	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 98.0"	N/A	+60.0	-65.0	+60.0	-60.0
OX/XO	75.0" x 98.0"	N/A	+30.0	-30.0	+30.0	-35.0
	76.5" x 98.0"	2X	+55.0	-60.0	+55.0	-55.0
OXO	112.5" x 98.0"	N/A	+30.0	-30.0	+30.0	-35.0
	115.5" x 98.0"	2X	+55.0	-60.0	+55.0	-55.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.10 16:27:47 -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

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:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

[illegible]

DATE: 2/11/19

SCALE: *N.T.S.*

DWG. BY: MT

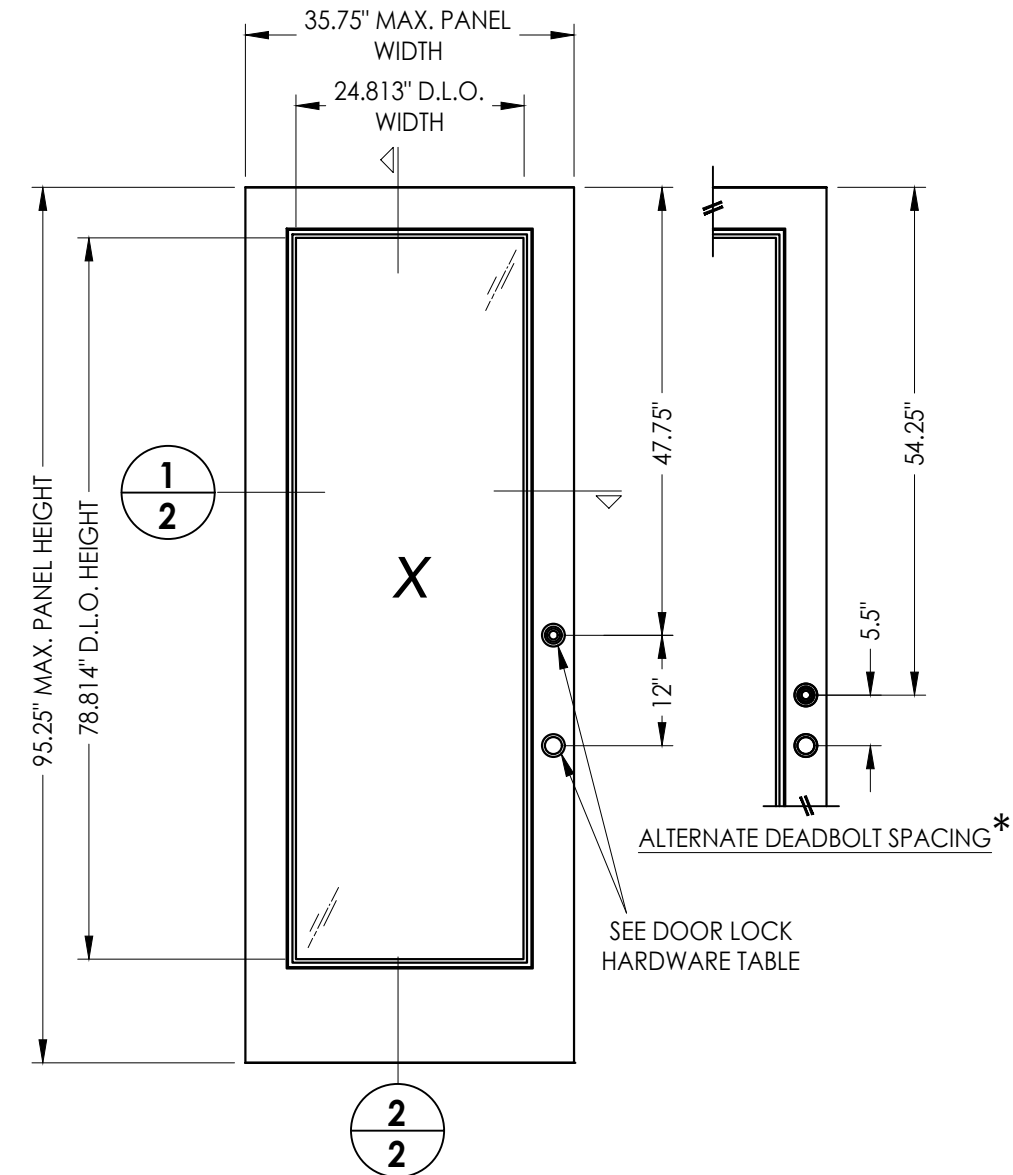
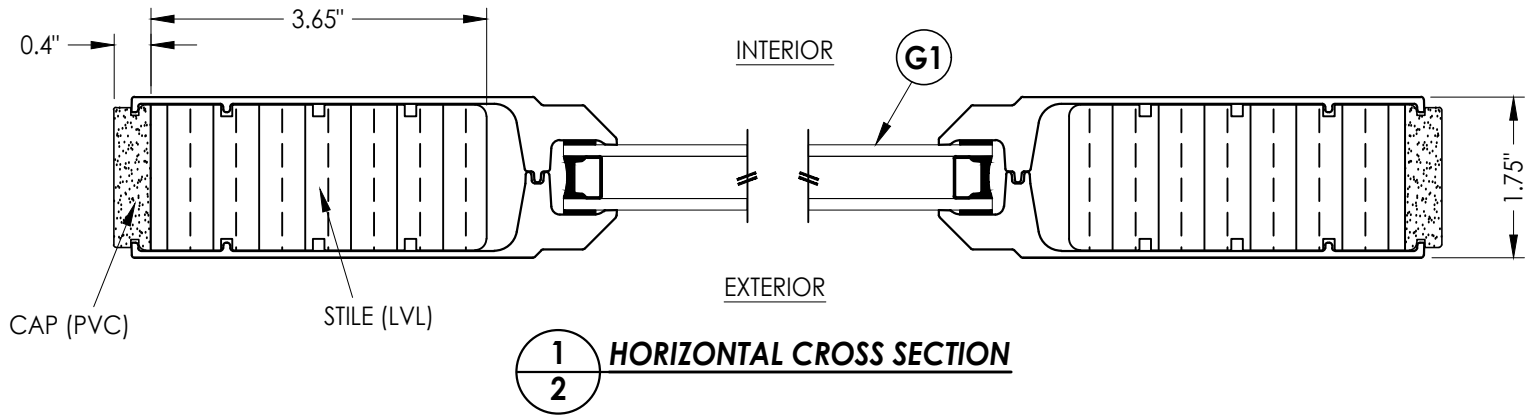
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DRAWING NO.:
FL-28685.6

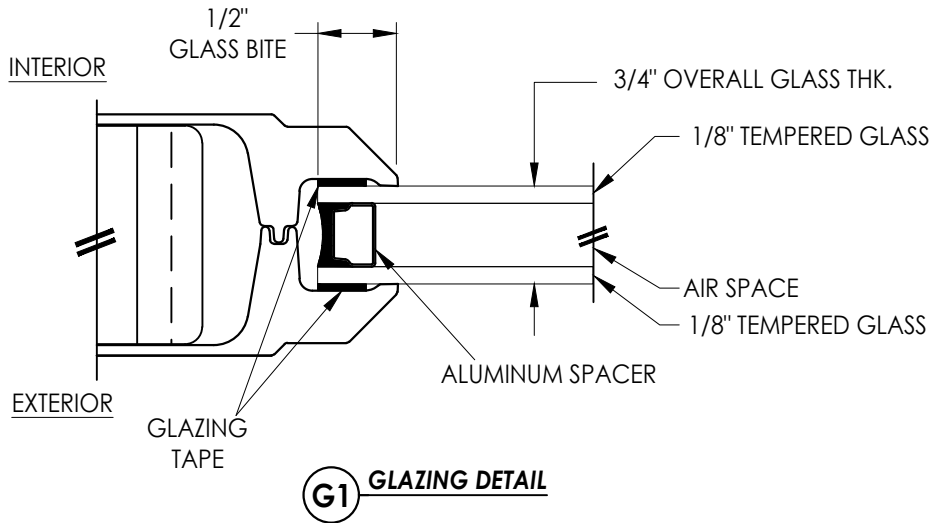
SHEET 1 OF 14

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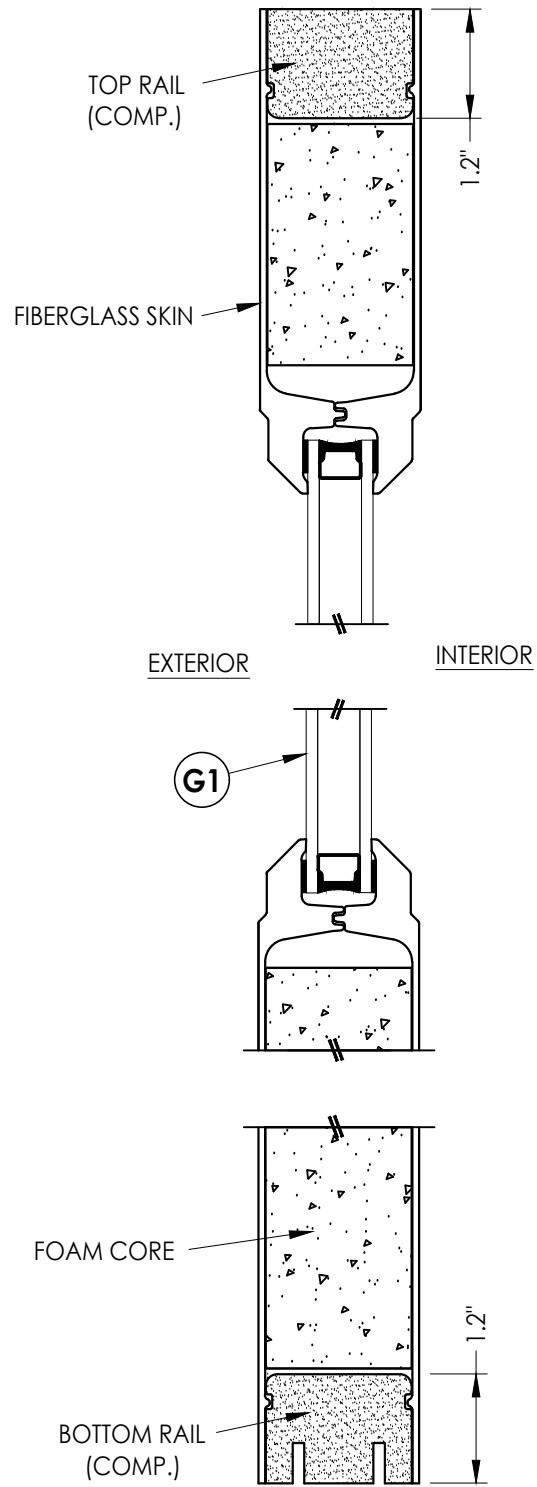


- 40 PLASTPRO DOOR PANEL
- 50 PLASTPRO SIDELITE PANEL



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)

* NOTE: KWIKSET DEADBOLT MAY BE SPACED AT 5-1/2" ABOVE KNOB ON SINGLE DOOR ONLY (MAX. DESIGN PRESSURE = ±50 PSF)



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 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: 2/11/19

SCALE: N.T.S.

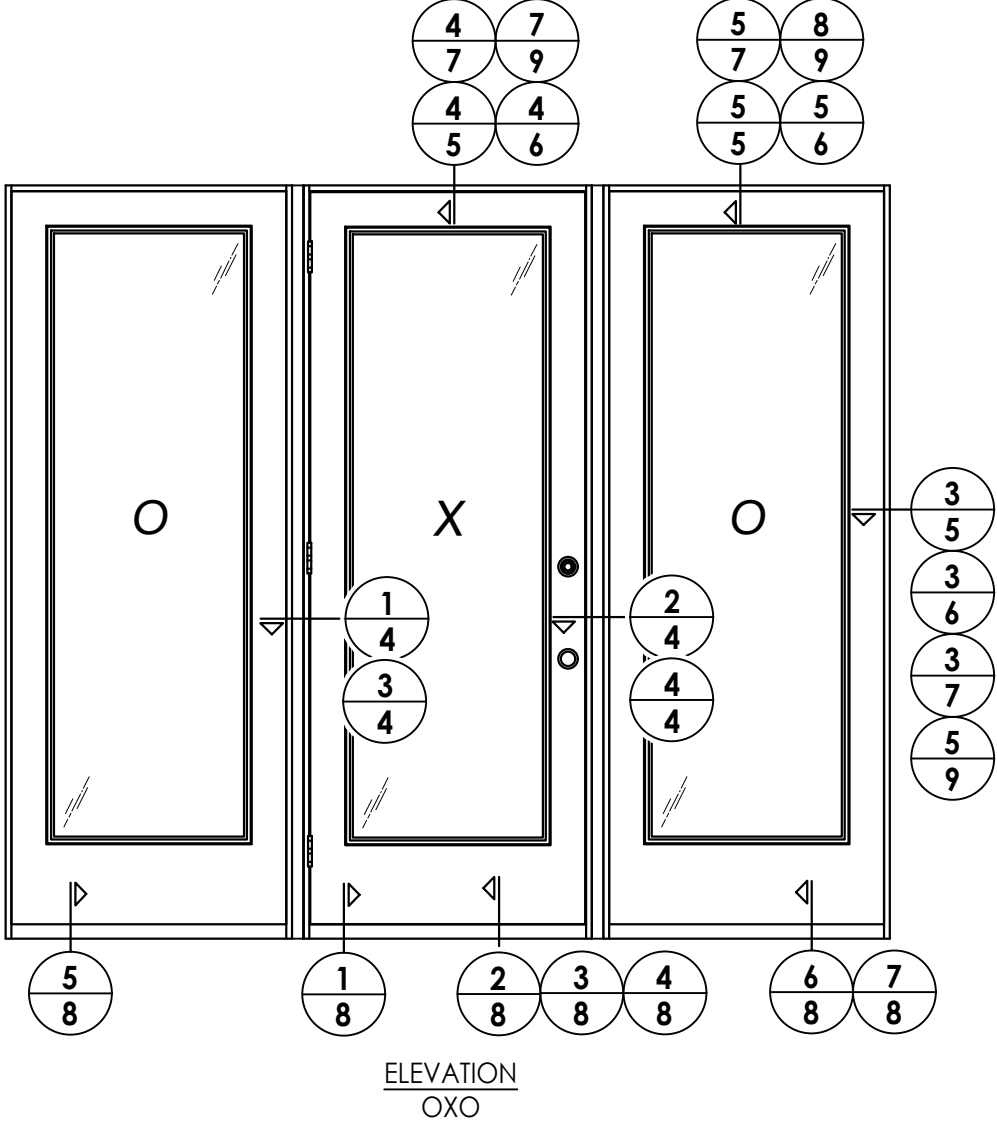
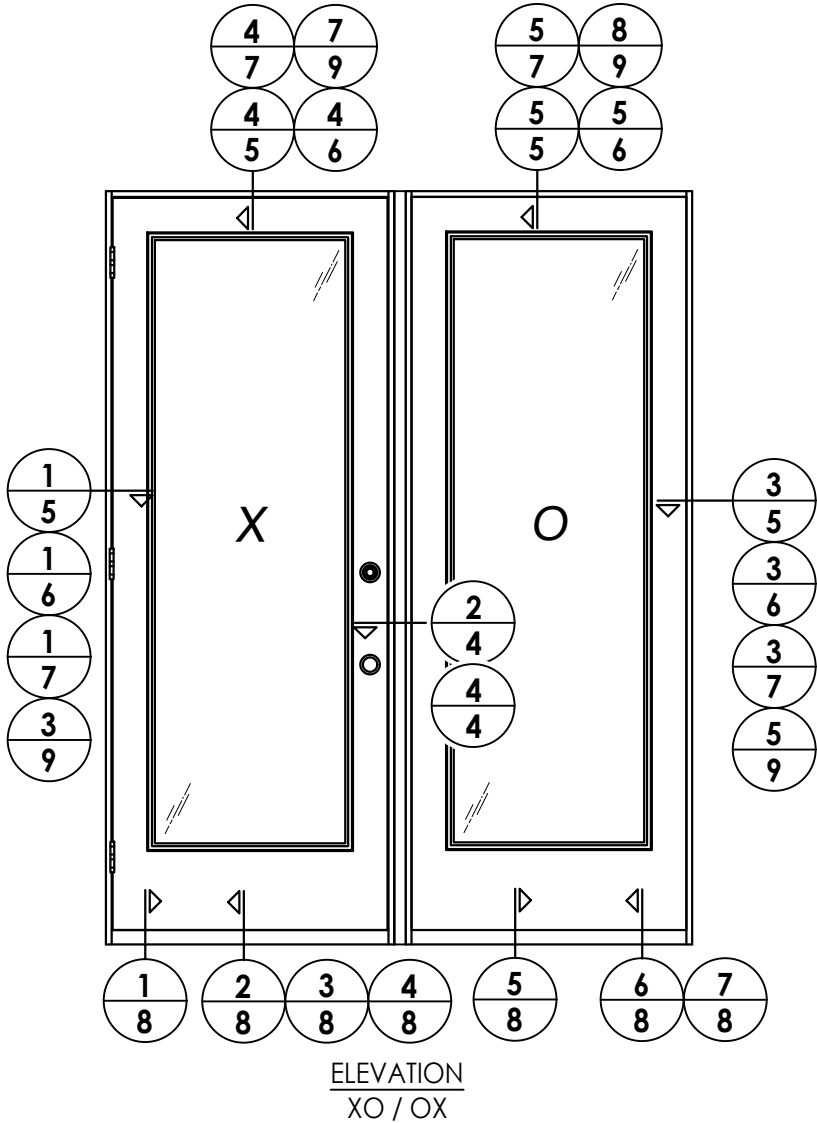
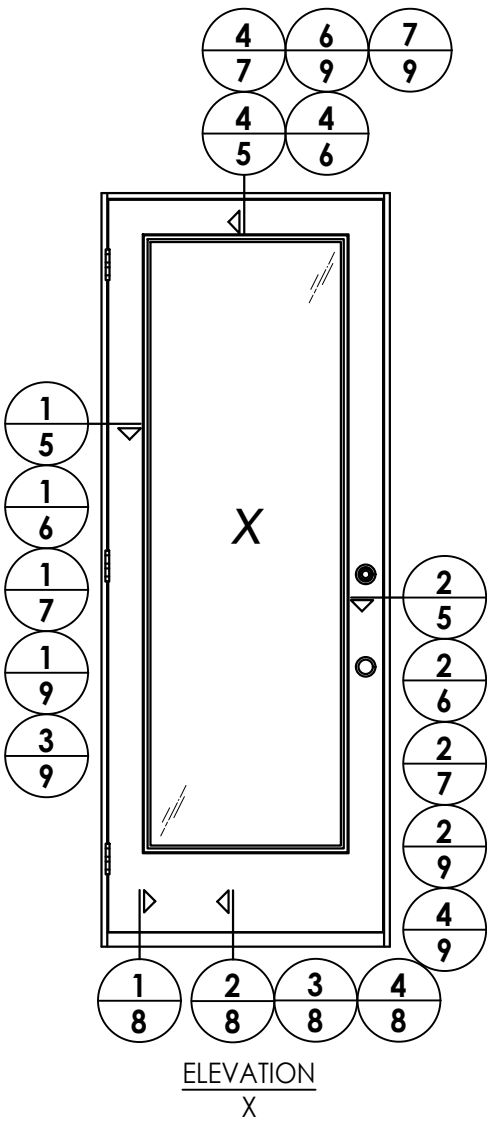
DWG. BY: MT

CHK. BY: LFS

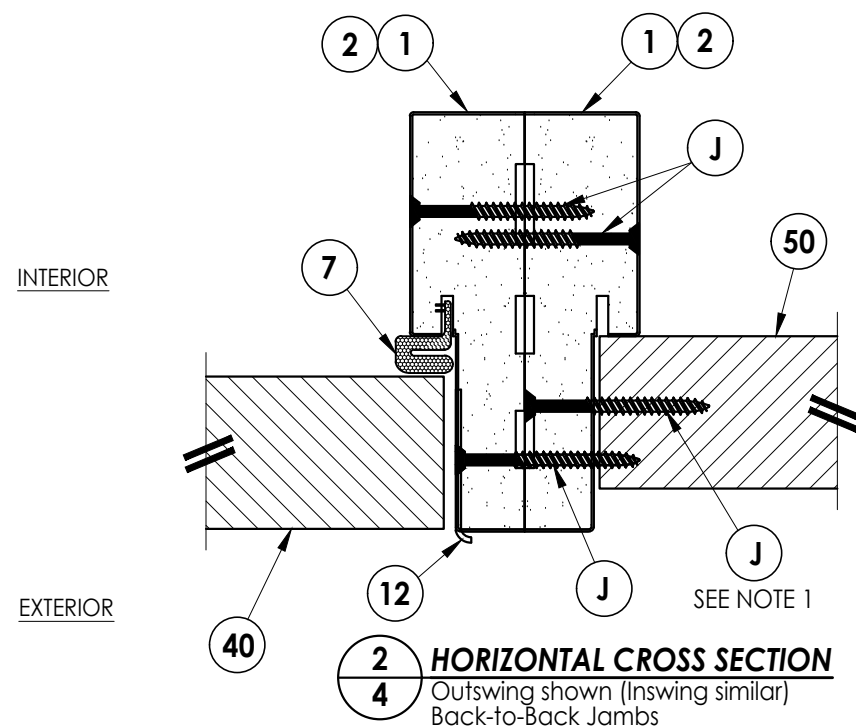
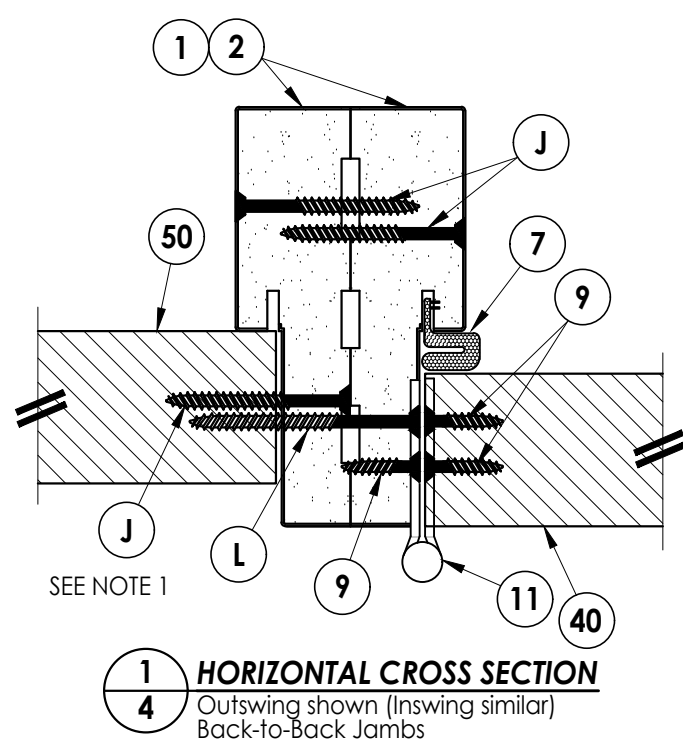
DRAWING NO.: FL-28685.6

SHEET 2 OF 12

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DATE: 2/11/19				Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409			
SCALE: N.T.S.				<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
DWG. BY: MT							
CHK. BY: LFS				PRODUCT: PLASTPRO INC FIBERGLASS DOOR			
DRAWING NO.: FL-28685.6				PART OR ASSEMBLY: ELEVATIONS			
SHEET 3 OF 14							

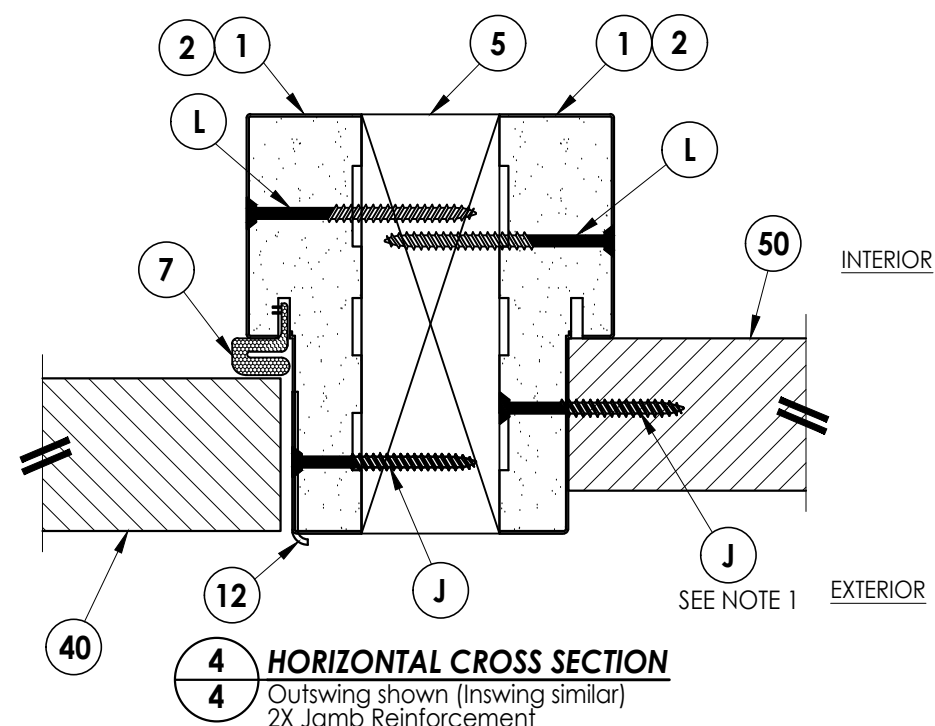
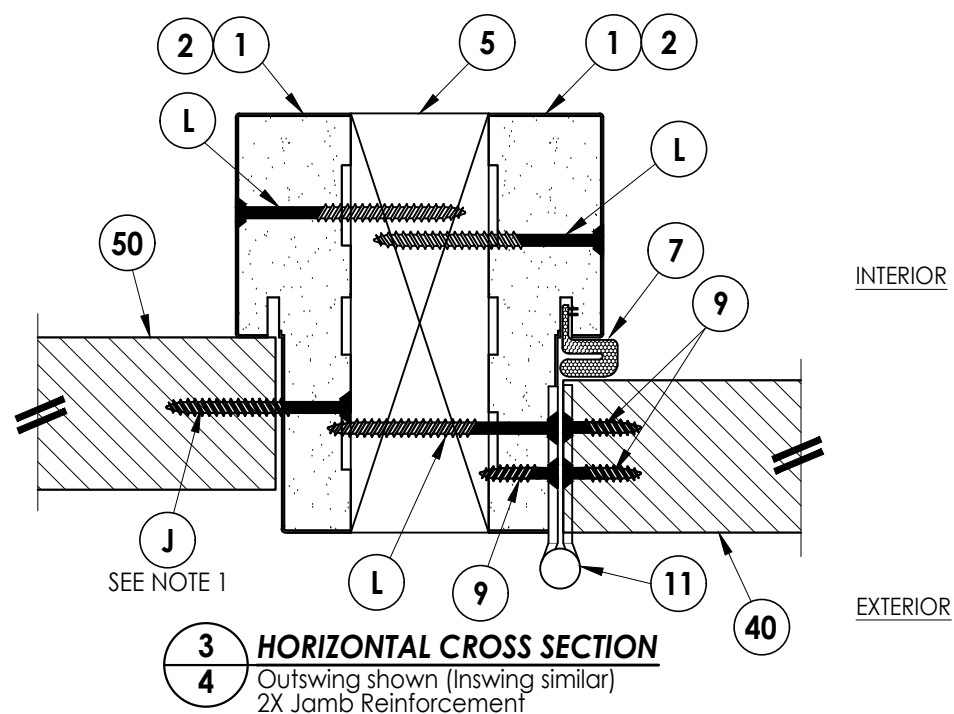


INTERIOR

EXTERIOR

NOTE:

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



INTERIOR

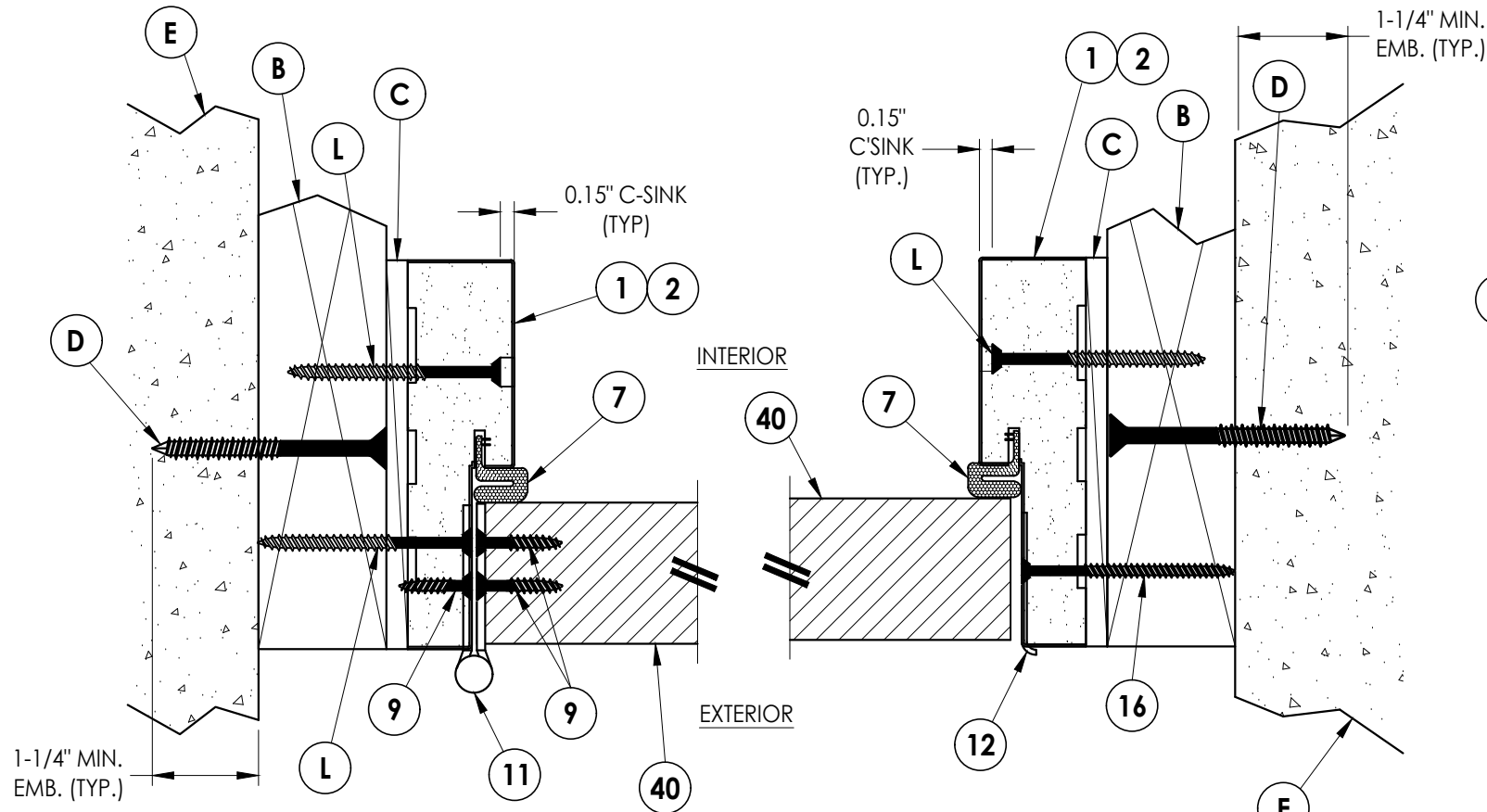
EXTERIOR

INTERIOR

EXTERIOR

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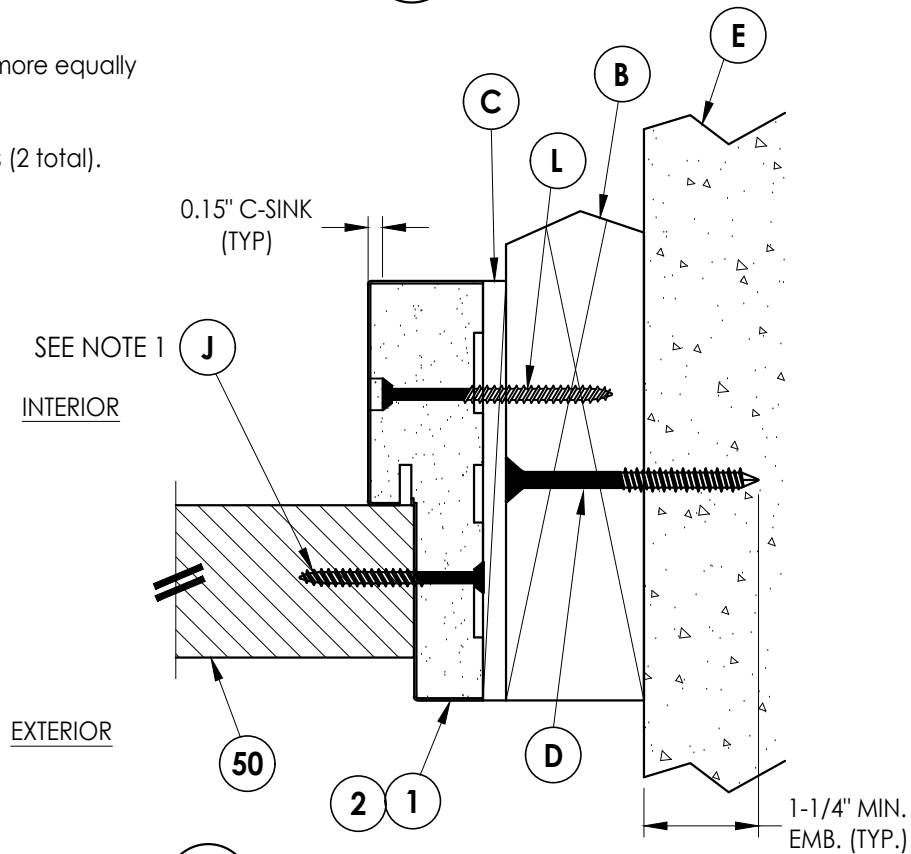


1
5 HORIZONTAL CROSS SECTION
Outswing shown (Inswing similar)

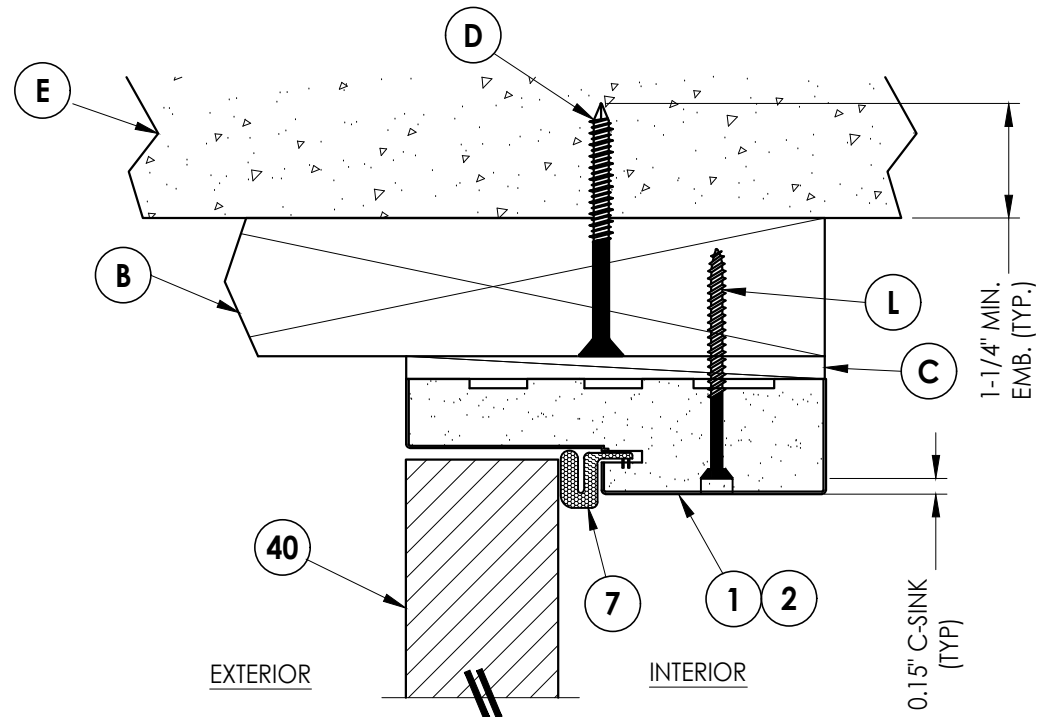
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5 HORIZONTAL CROSS SECTION
Outswing shown (Inswing similar)

NOTES:

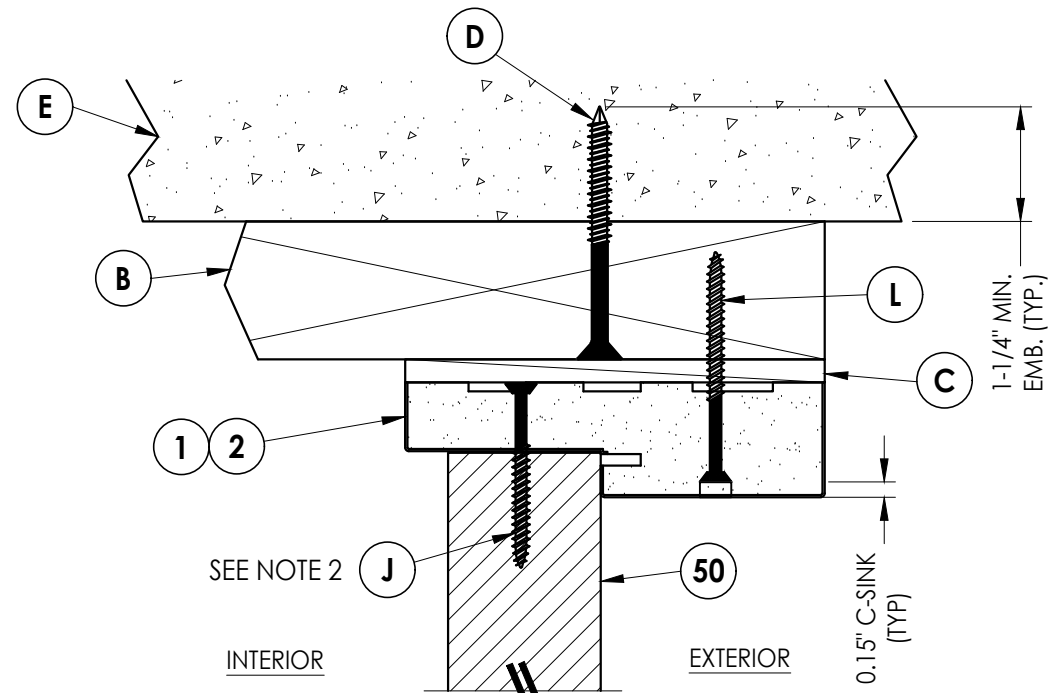
1. Spacing for item J: 6" from each end and 5 more equally spaced along sidelite jamb (7 total).
2. Spacing for item J @ head & sill: 6" from ends (2 total).



3
5 HORIZONTAL CROSS SECTION
Outswing shown (Inswing similar)



4
5 VERTICAL CROSS SECTION
Outswing shown (Inswing similar)



5
5 VERTICAL 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
NO.	DATE	BY

DATE: 2/11/19

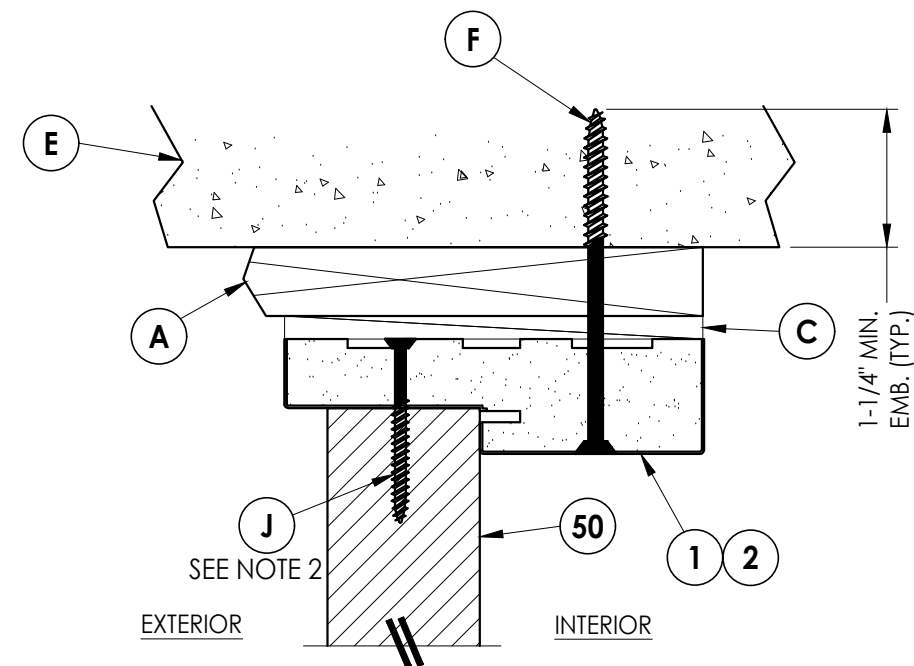
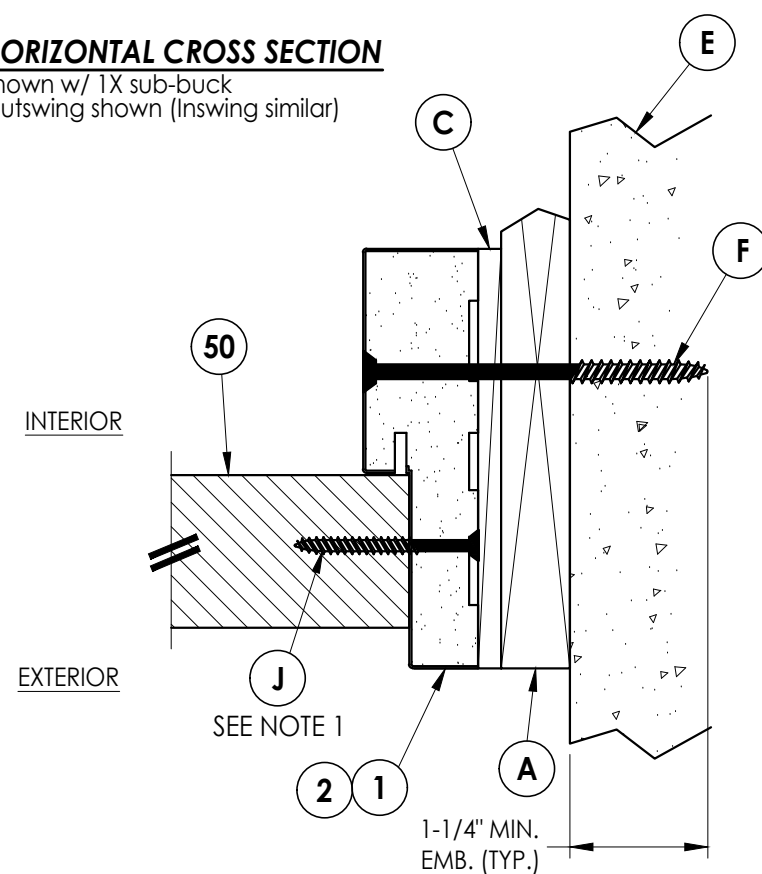
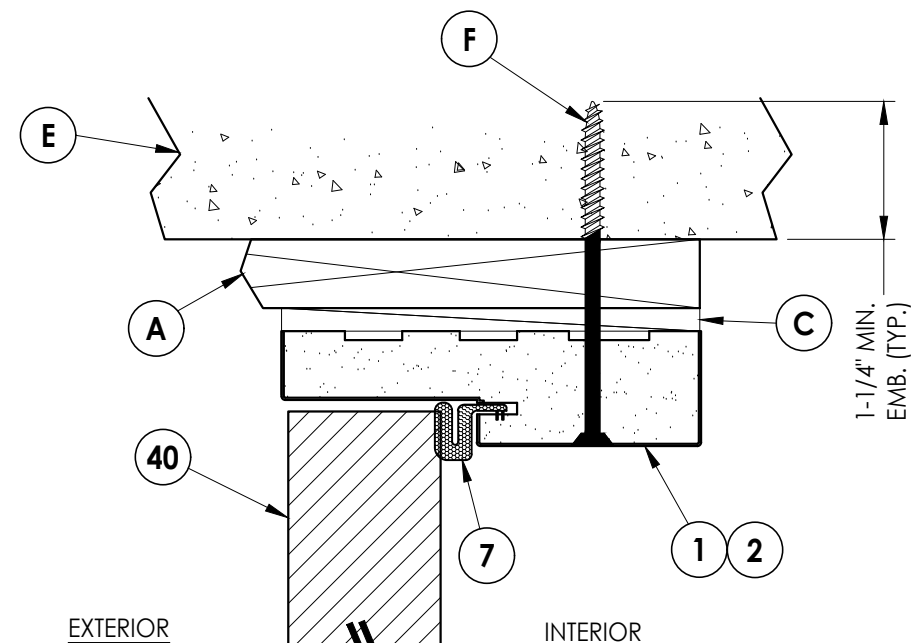
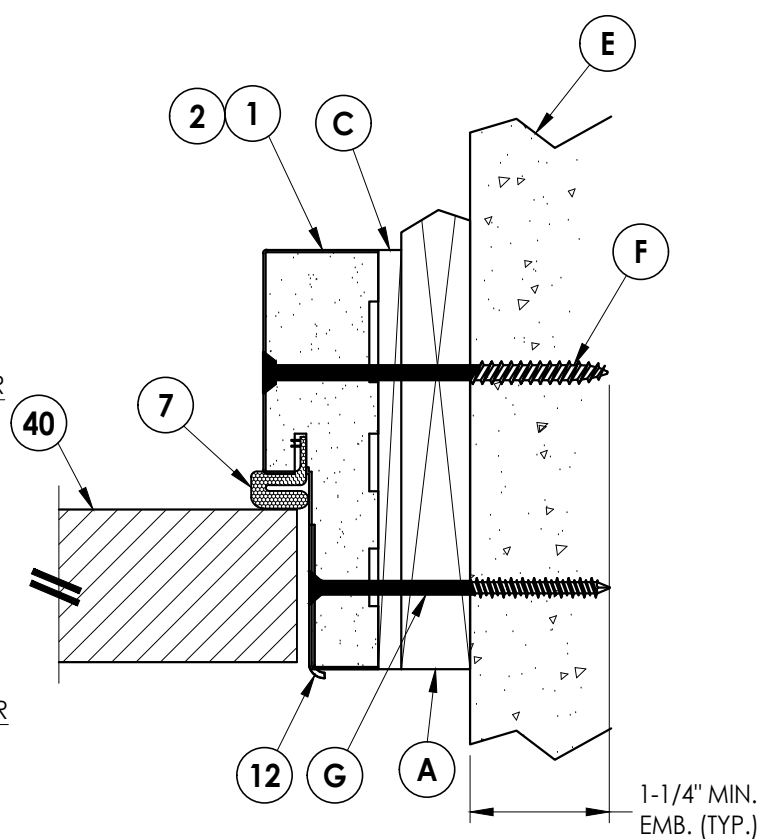
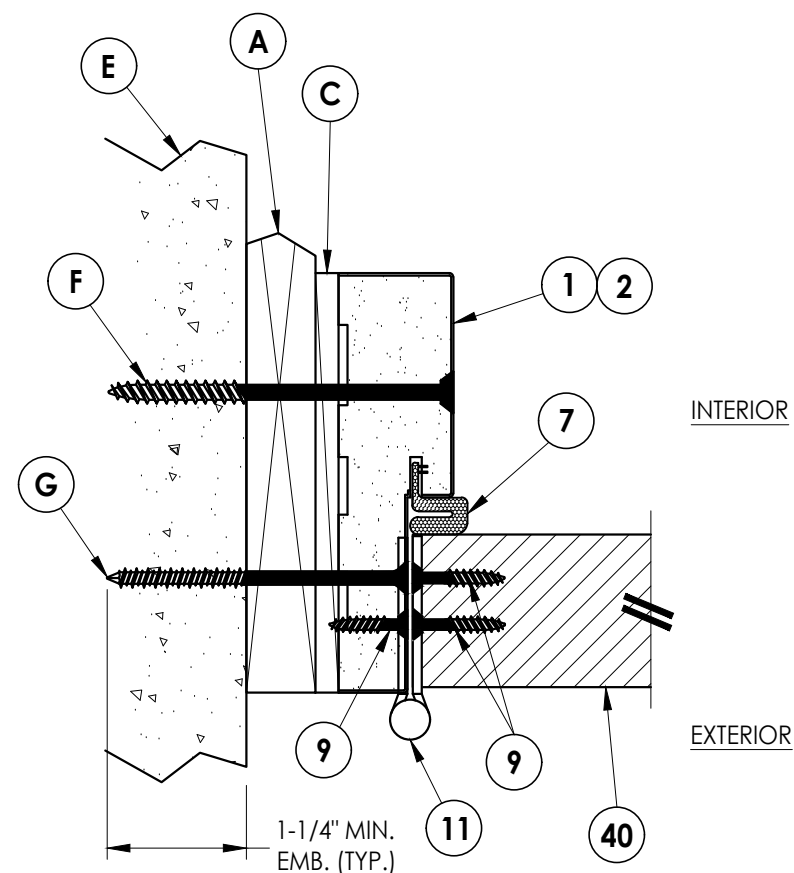
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DWG. BY: MT

CHK. BY: LFS

DRAWING NO.:
FL-28685.6

SHEET 5 OF 12



NOTES:

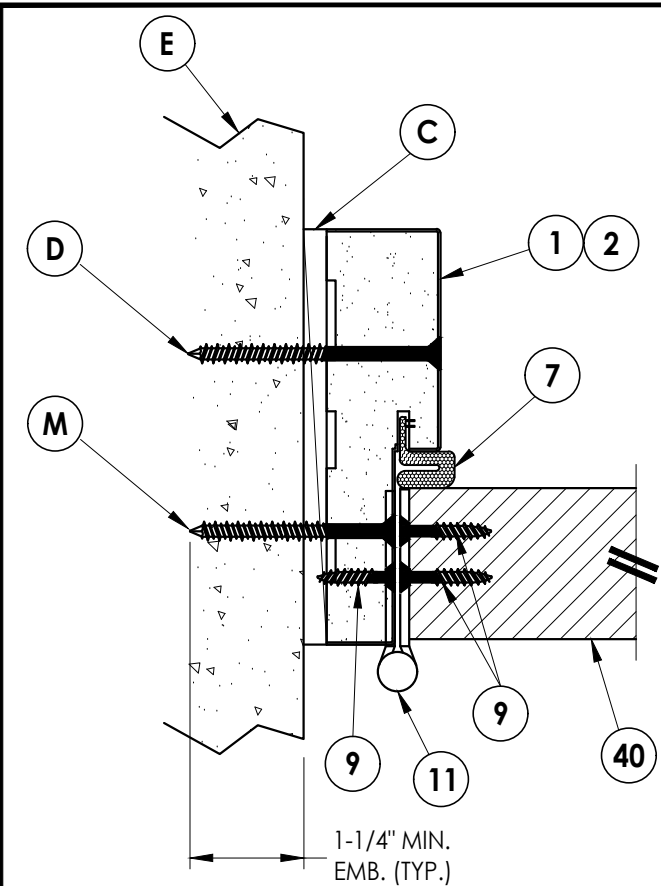
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2. Spacing for item J @ head & sill: 6" from ends (2 total).

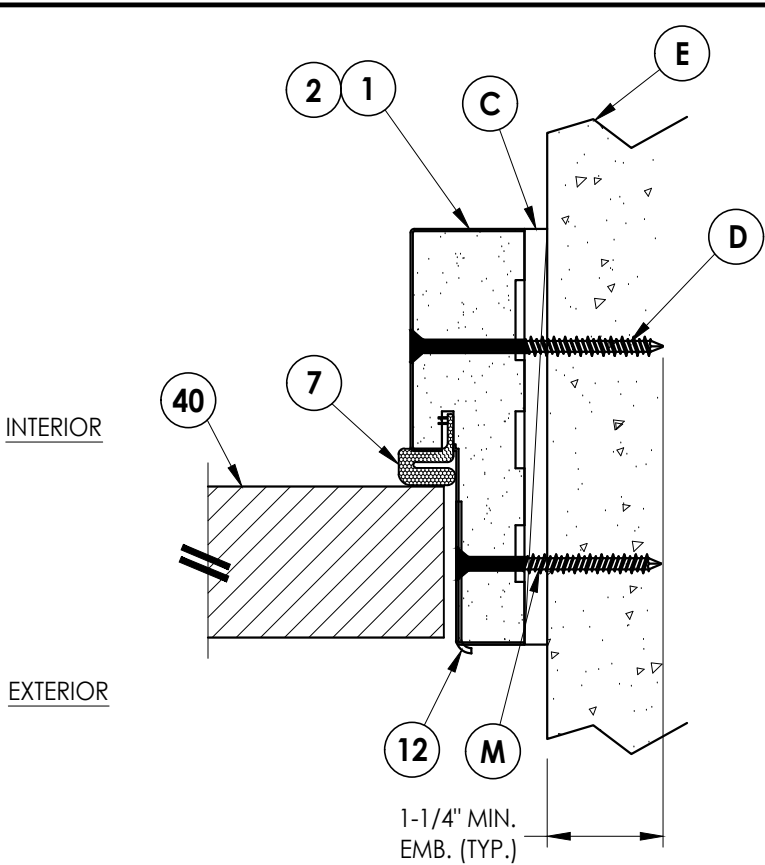
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1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS
NO.	DATE			
REVISIONS				

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

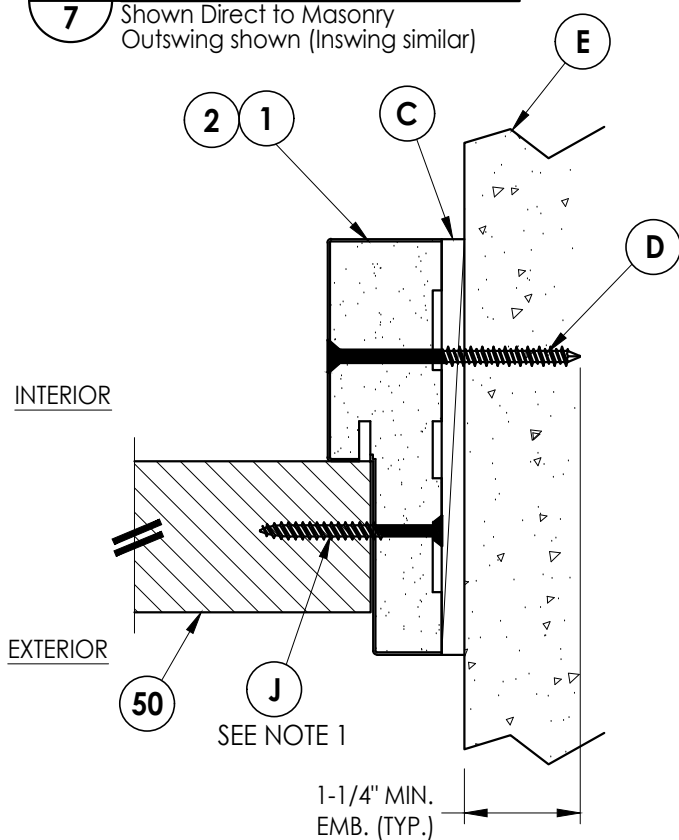
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



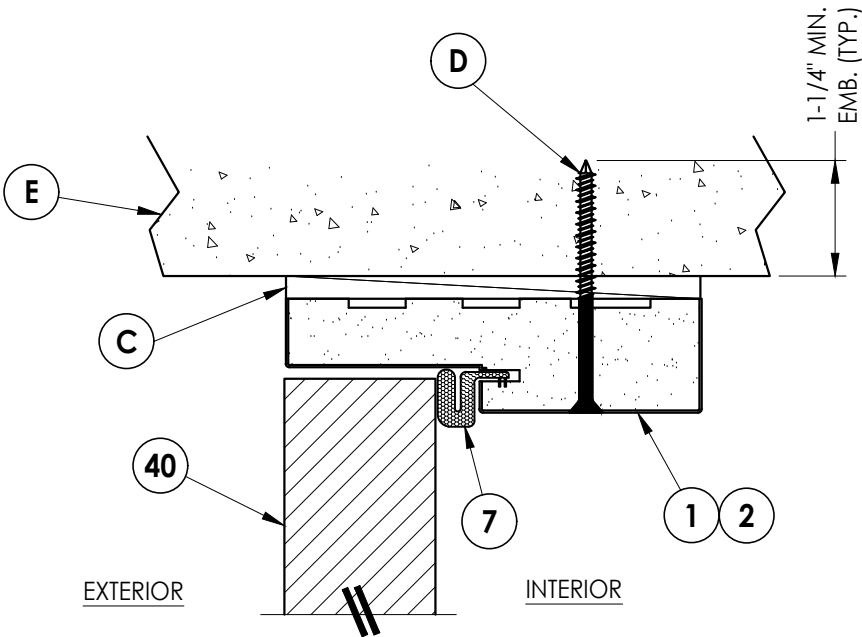
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7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



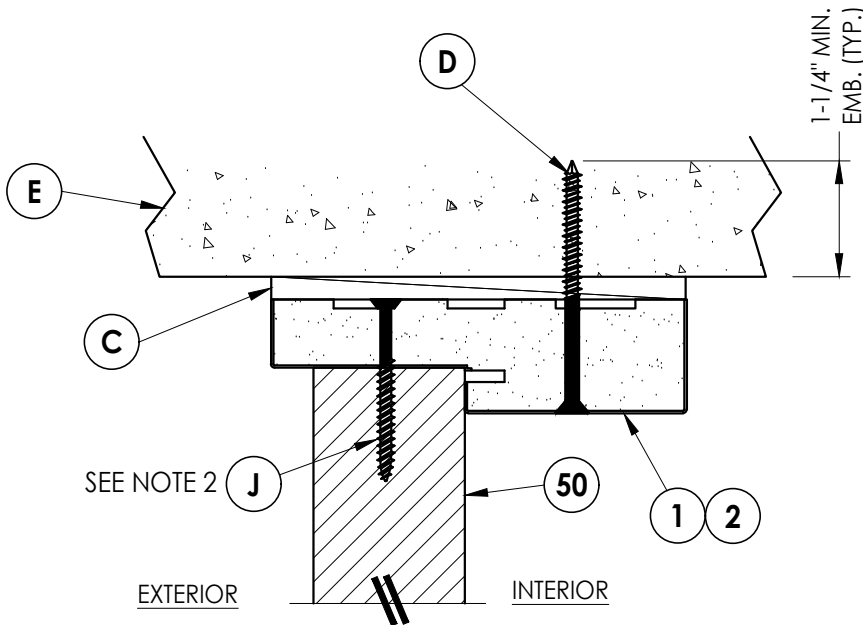
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7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



3
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



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

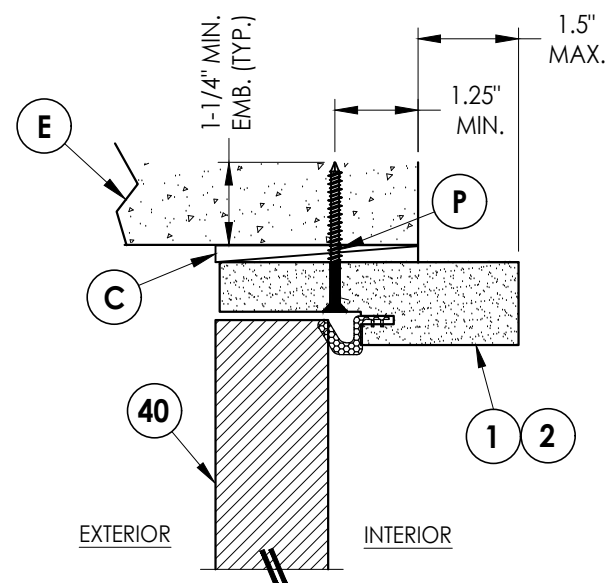


5
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

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).

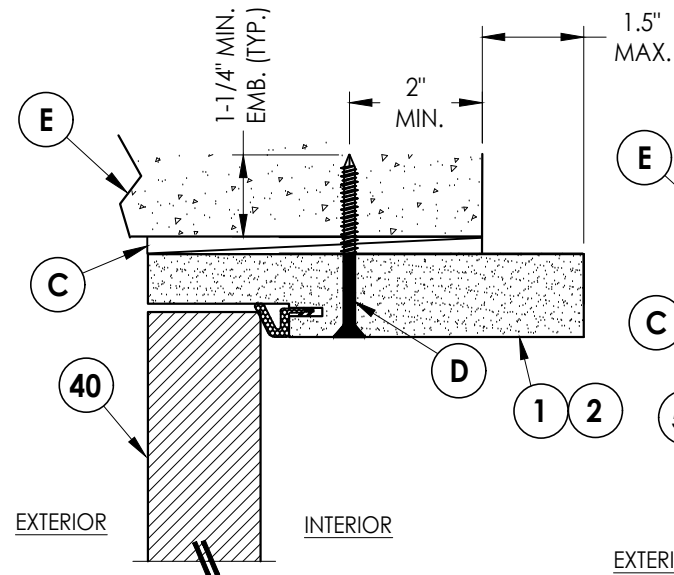
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: PLASTPRO INC FIBERGLASS DOOR				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)			
				LFS	FBC	DATE	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-28685.6							
SHEET 7 OF 14							



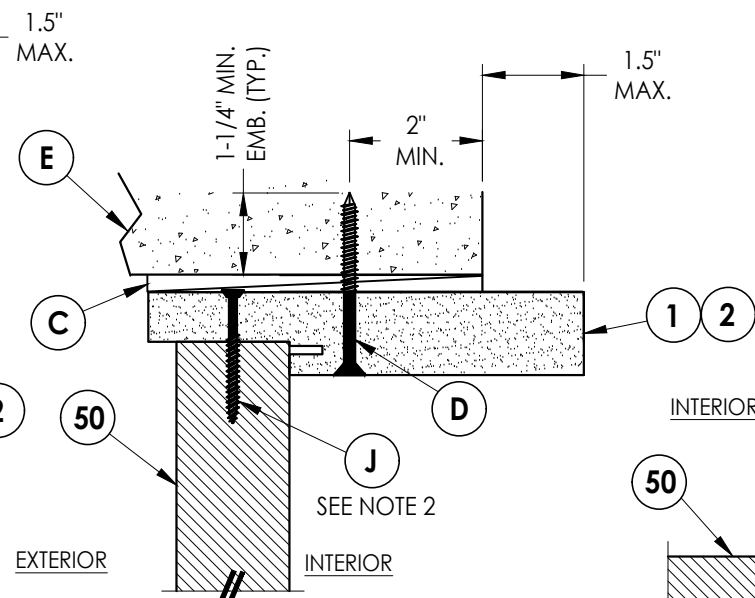
6 **VERTICAL CROSS SECTION**
9 Shown Direct to Masonry
 Outswing only w/ 4-9/16" jamb
 Single door only (N/A W/ Sidelites)

NOTES:

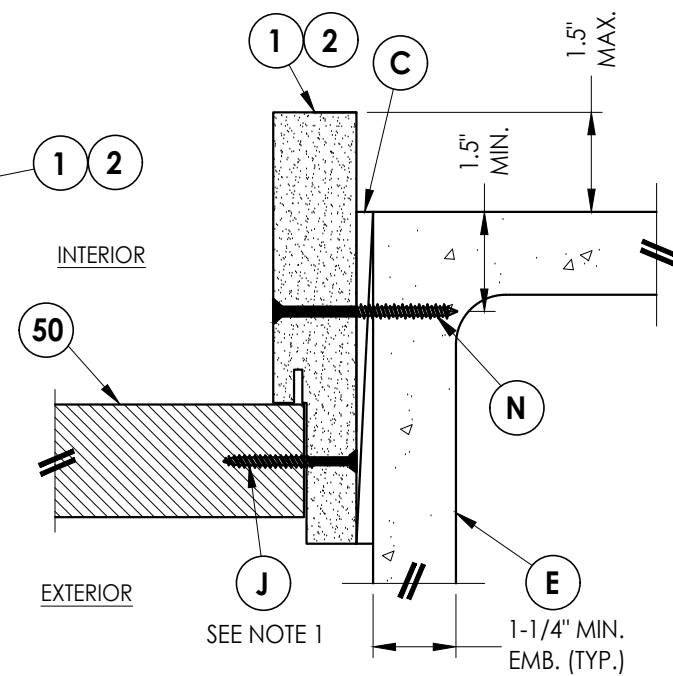
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2. Spacing for item J @ head & sill: 6" from ends (2 total).



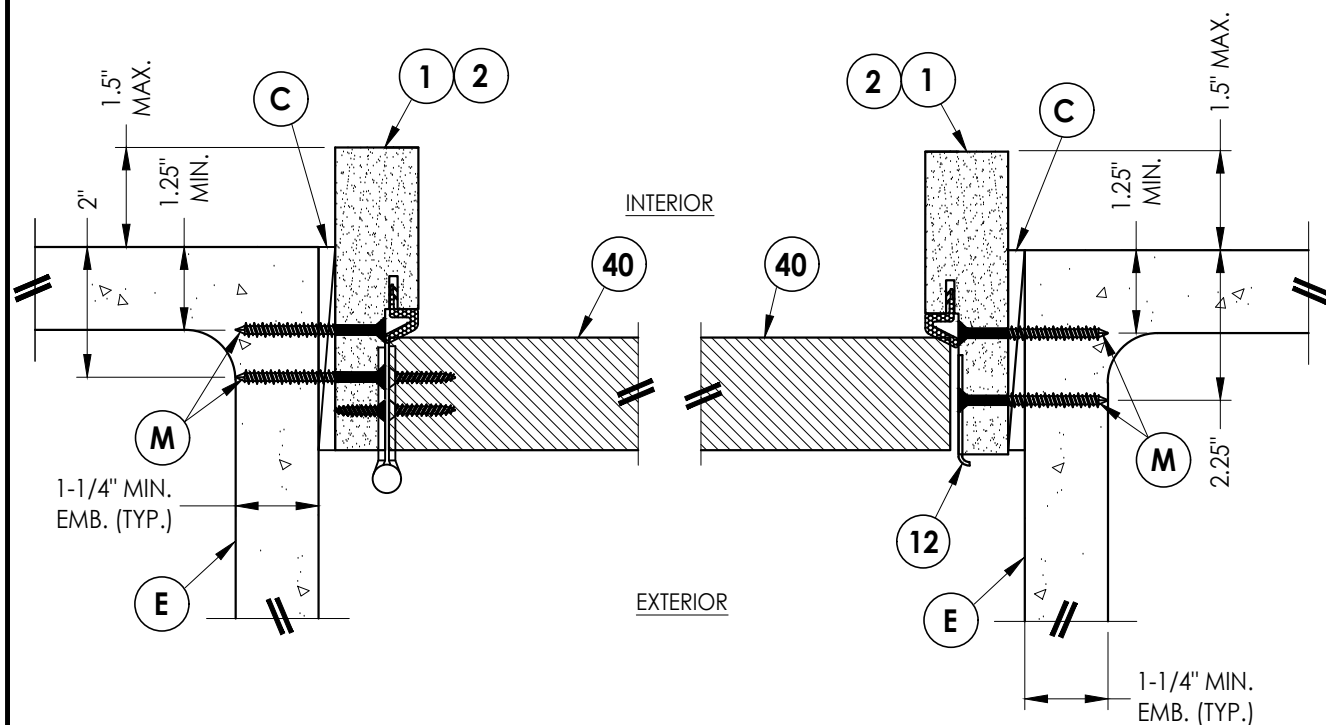
7 VERTICAL CROSS SECTION
9 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



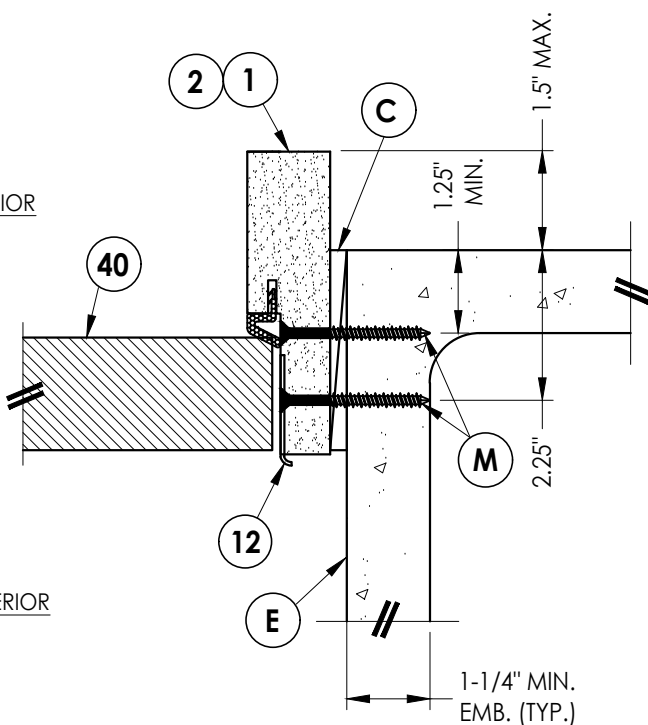
8 VERTICAL CROSS SECTION
9 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb



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

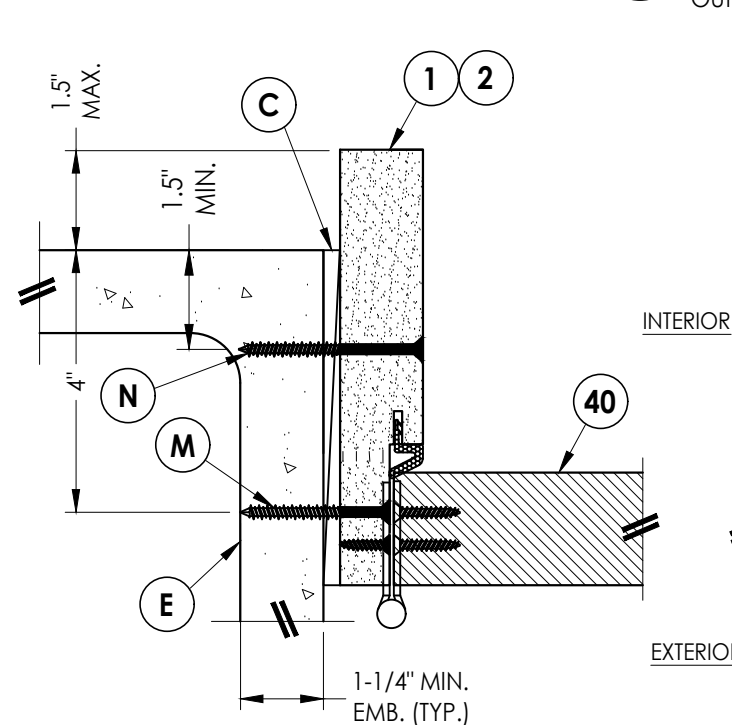


1 **HORIZONTAL CROSS SECTION**
9 Shown Direct to Masonry
 Outswing only w/ 4-9/16" jamb
 Single door only (N/A W/ Sidelites)

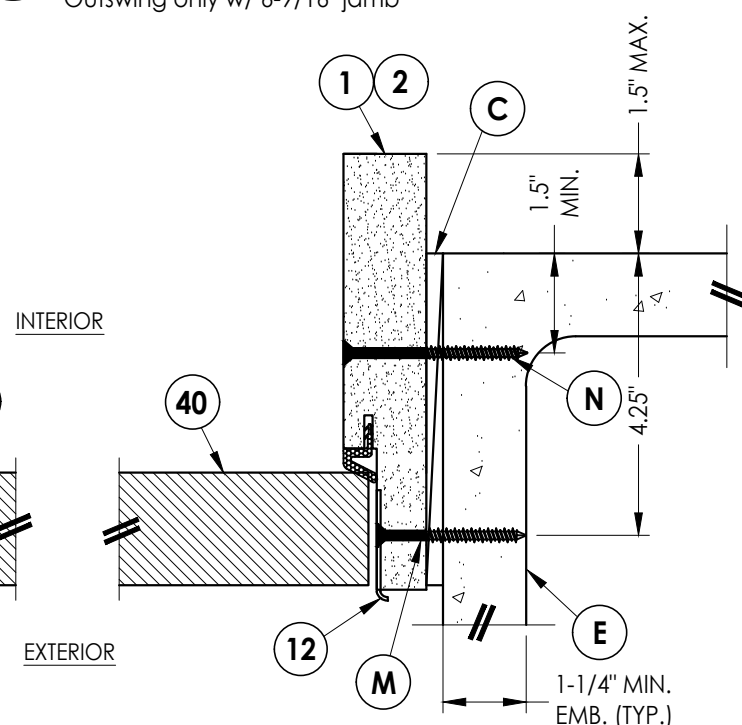


2 9 **HORIZONTAL CROSS SECTION**

Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Single door only (N/A W/ Sidelites)



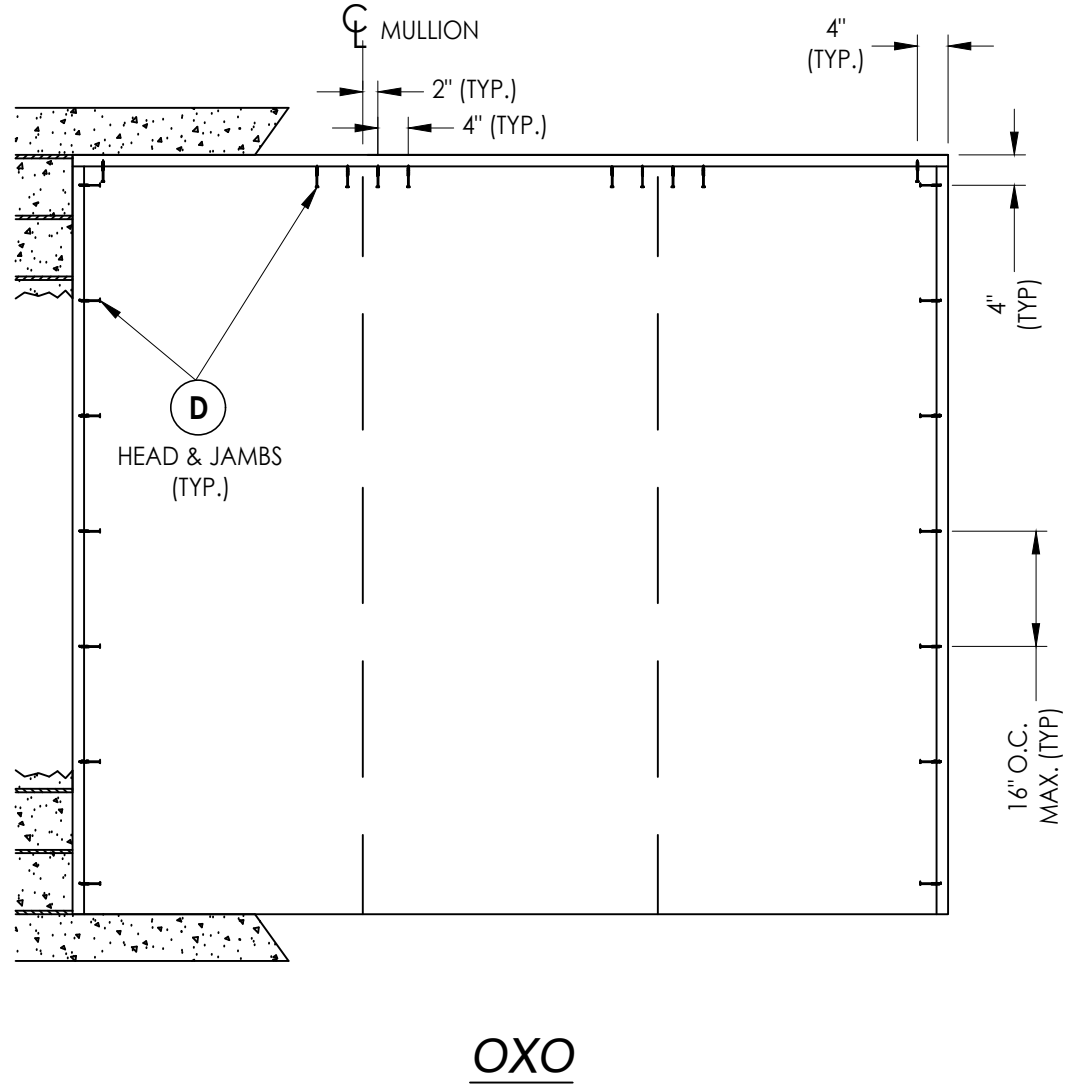
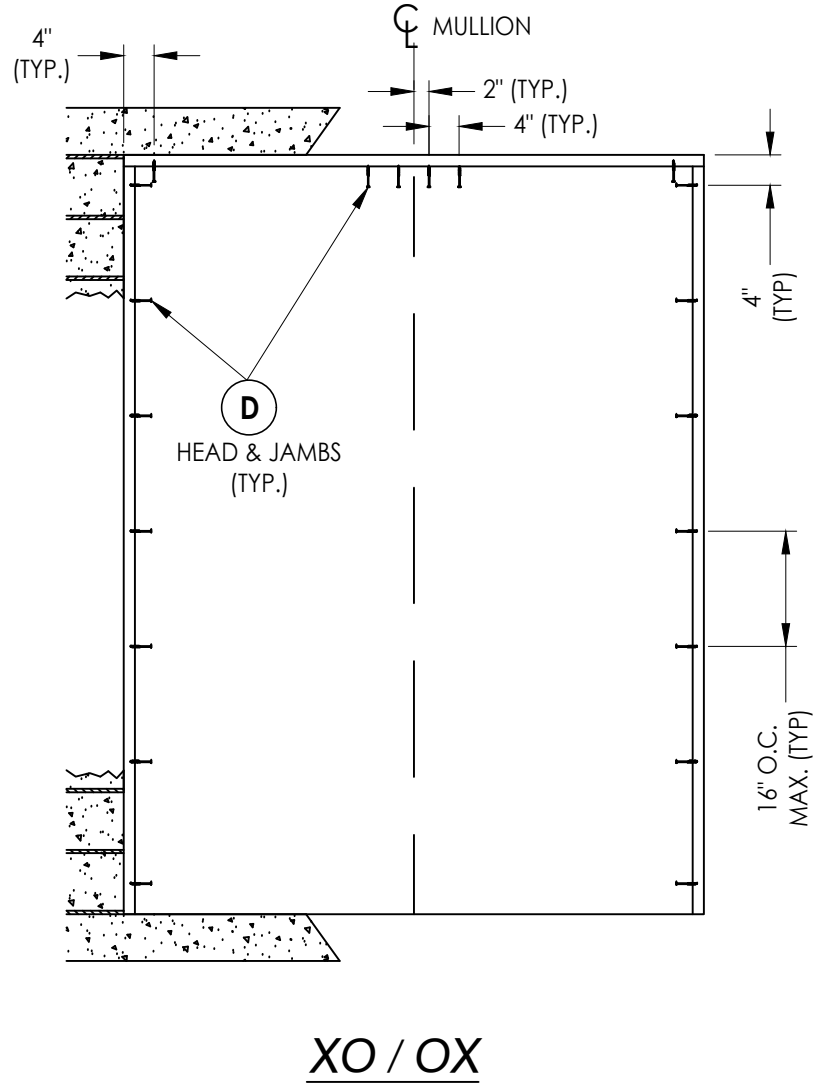
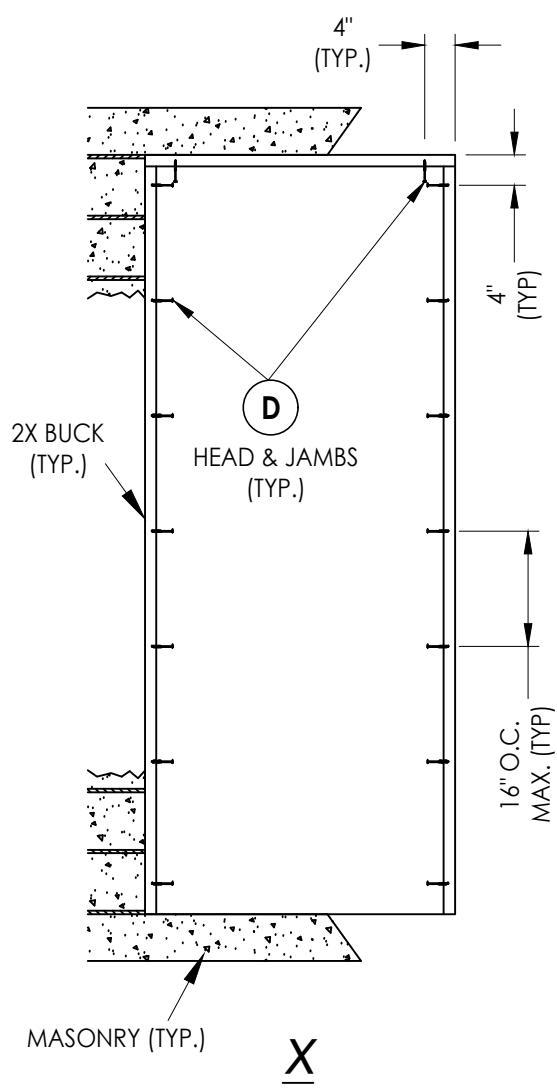
3 **HORIZONTAL CROSS SECTION**
9 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb



4 **HORIZONTAL CROSS SECTION**
9 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)	
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-28685.6			
SHEET 9 OF 14			

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2X BUCK ANCHORING

DATE: 2/11/19

SCALE: N.T.S.

DWG. BY: MT

CHK. BY: LFS

DRAWING NO.: FL-28685.6

SHEET 10 OF 14

PRODUCT: PLASTPRO INC
FIBERGLASS DOOR

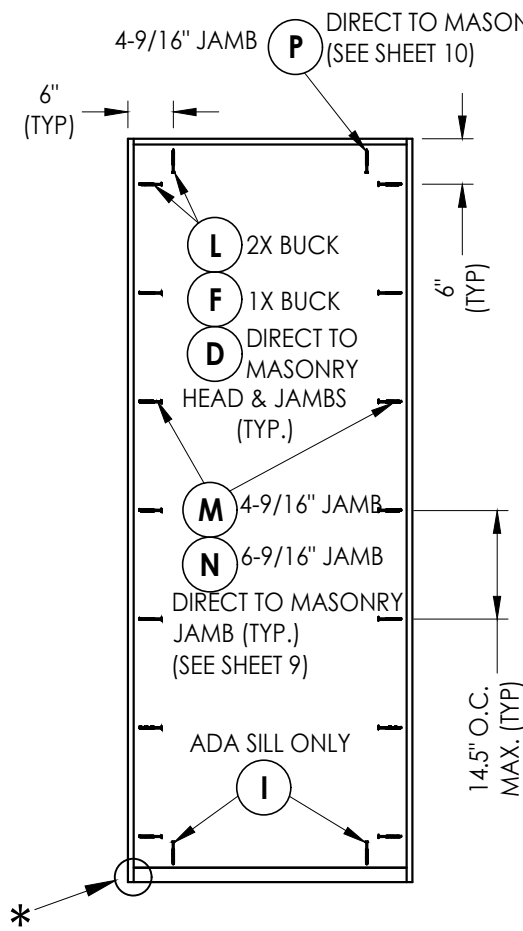
PART OR ASSEMBLY:
BUCK ANCHORING

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

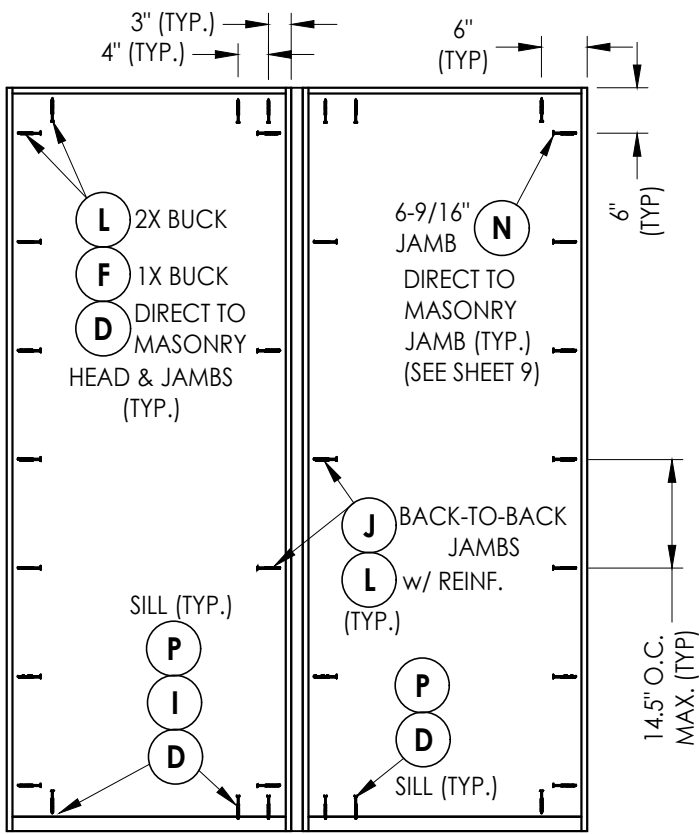
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

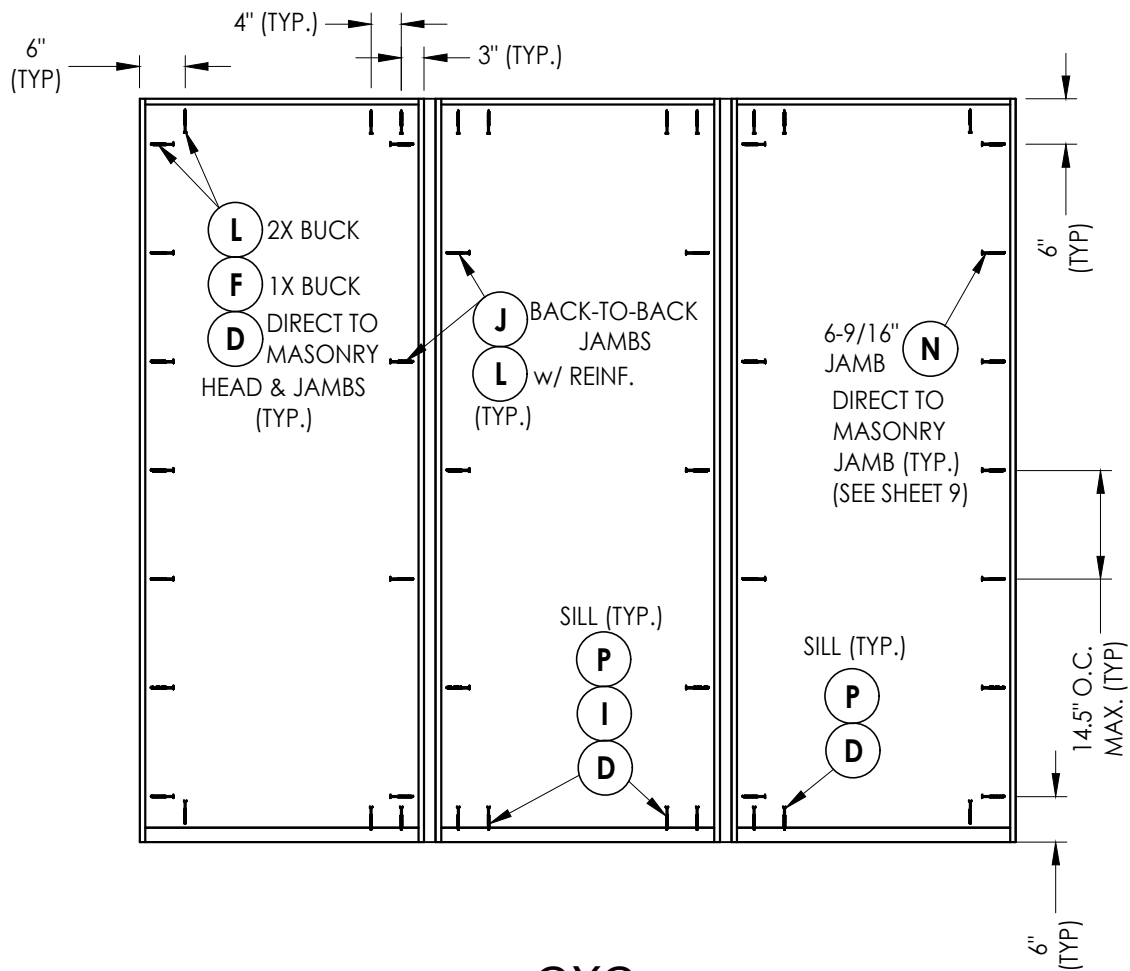
Z:\2023 FBC Drawings\Plastpro\FL-28685 R3\FL-28685.6.dwg



X



XO / OX



OXO

FRAME ANCHORING

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

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

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

RW

PRODUCT:
PLASTPRO INC
FIBERGLASS DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

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.

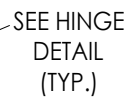
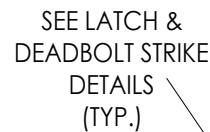
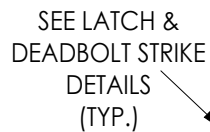
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CHK. BY: LFS

DRAWING NO.:

FL-28685.6

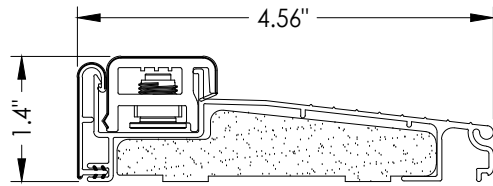
SHEET 11 OF 14



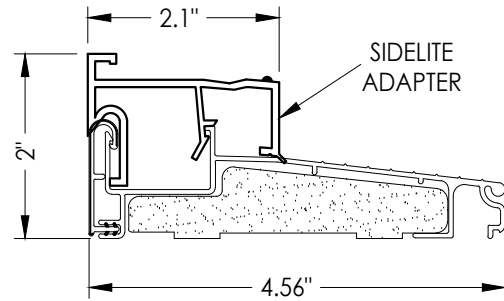
HARDWARE DETAILS

DATE:	2/11/19
SCALE:	N.T.S.
DWG. BY:	MT
CHK. BY:	LFS
DRAWING NO.:	FL-28685.6
SHEET	<u>12</u> OF <u>14</u>

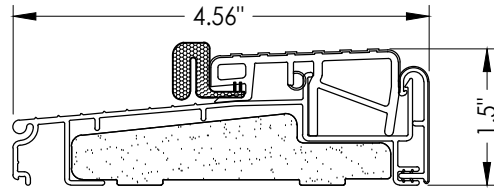
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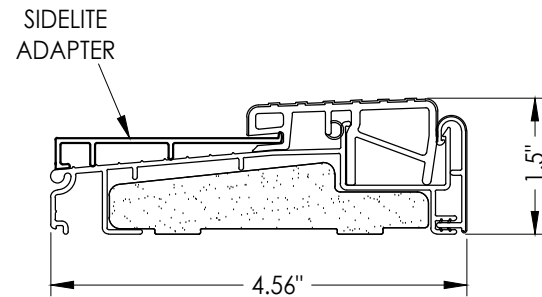
20 **INSWING THRESHOLD**
Endura (Z-Series)



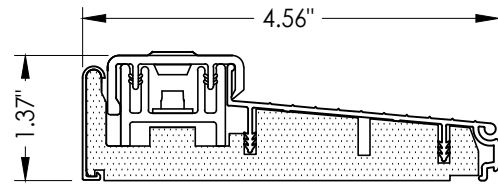
21 **INSWING THRESHOLD w/ SIDELITE ADAPTER**
Endura (Z-Series)



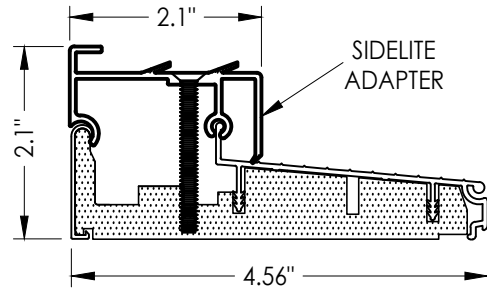
22 **OUTSWING THRESHOLD**
Endura (Z-Series)



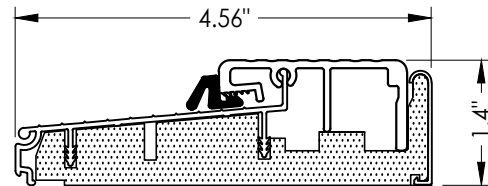
23 **OUTSWING THRESHOLD w/ SIDELITE ADAPTER**
Endura (Z-Series)



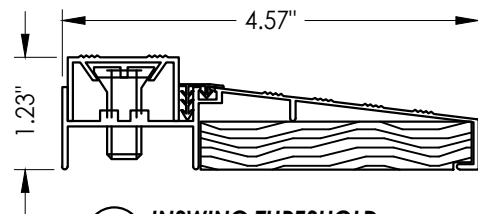
24 **INSWING THRESHOLD**
Columbia



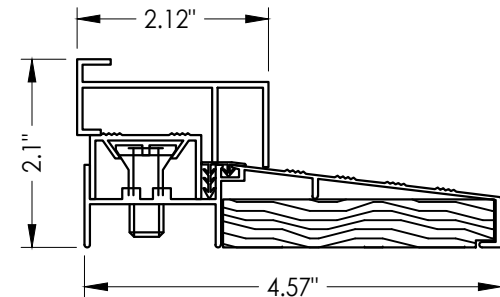
25 **INSWING THRESHOLD w/ SIDELITE ADAPTER**
Columbia



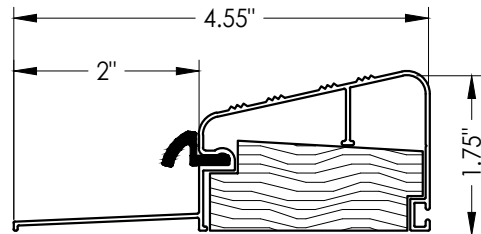
26 **OUTSWING THRESHOLD**
Columbia



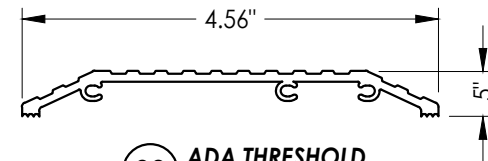
27 **INSWING THRESHOLD**
DLP



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



29 **OUTSWING THRESHOLD**
DLP (QOSR)



30 **ADA THRESHOLD**
DLP

Documents Prepared By:
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:
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		
BY		

DATE: 2/11/19

SCALE: N.T.S.

DWG. BY: MT

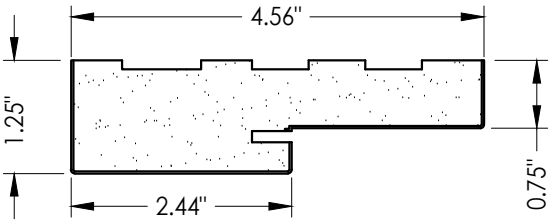
CHK. BY: LFS

DRAWING NO.:

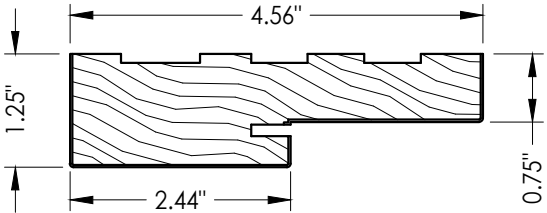
FL-28685.6

SHEET 13 OF 14

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
P	1/4" X 2-1/4" PFH DeWALT CONCRETE SCREW	STEEL
1	POLY FIBER JAMB	COMP
2	FINGER JOINT PINE JAMB	WOOD
5	2X REINFORCEMENT (G >= 0.55)	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 (STANDARD)	STEEL
13A	DEADBOLT STRIKE PLATE (SECURITY)	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
40	DOOR PANEL	-
50	SIDELITE PANEL	-



1 **POLY FIBER JAMB**
Plastpro PF Jamb



2 FINGER JOINT PINE JAMB

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 BUILDDEX TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"

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 INC FIBERGLASS DOOR		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
2	8/10/23	UPDATE TO 8TH ED. (2023)	FBC
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NO.	DATE		BY
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DATE: 2/11/19			
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DWG. BY: MT			
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DRAWING NO.: FL-28685.6			
SHEET 14 OF 14			