

plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

Smooth / Wood Grain / Mahogany / Rustic
Series Fiberglass Door

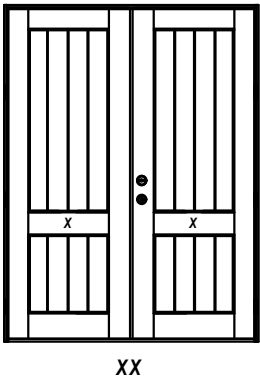
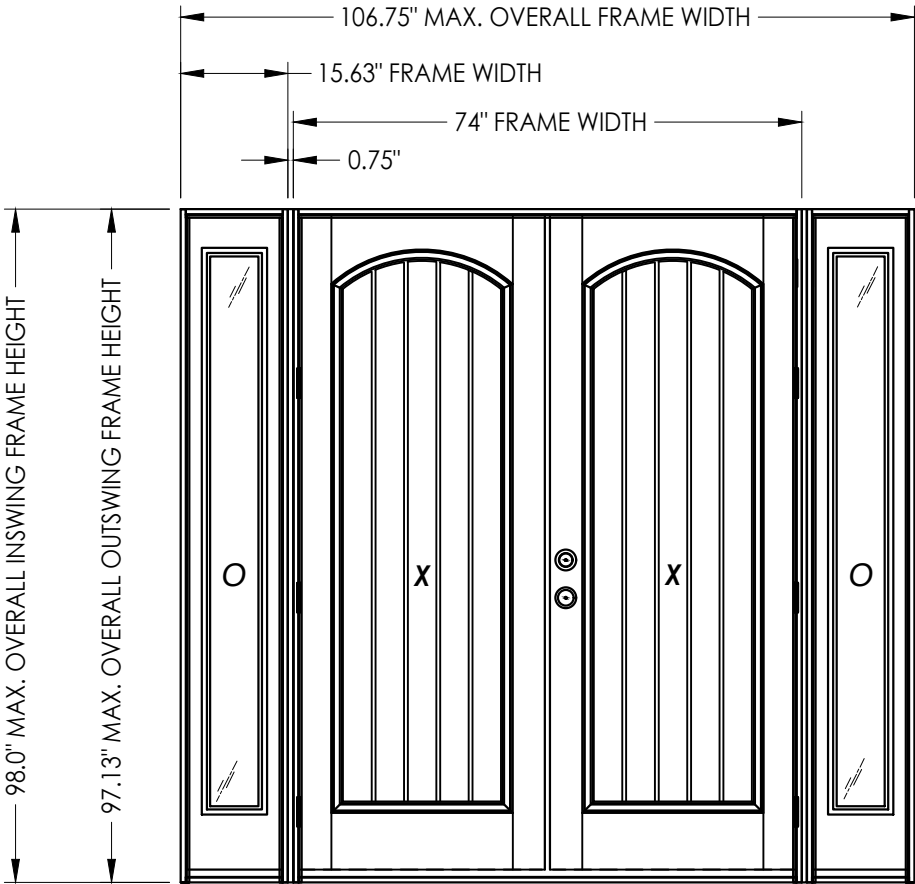
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

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

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SHEET#	DESCRIPTION
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6	Horizontal and vertical cross sections (1X BUCK)
7	Horizontal and vertical cross sections (Direct to Masonry)
8	Horizontal and vertical cross sections (Direct to Masonry)
9	Vertical cross sections
10	Buck anchoring
11	Frame anchoring
12	Bill of materials and components

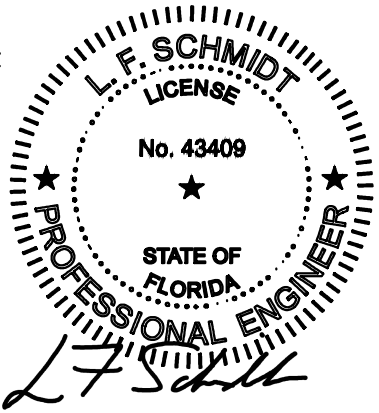
CONFIGURATION	MAX. FRAME DIMENSION	MAX. SIDELITE D.L.O. DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 98.0"	N / A	+45.0	-50.0	+45.0	-45.0
OXXO (Back to Back Jambs)	105.25" x 98.0"	7.0" X 79.0"	+30.0	-30.0	+30.0	-30.0
OXXO (1X Reinforcement)	106.75" x 98.0"	7.0" X 79.0"	+45.0	-50.0	+45.0	-45.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.14 17:18:57 -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 No. 9813

PRODUCT:
PLASTPRO INC
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS				
		BY	JK	JK	LFS	LFS
5	8/14/23	UPDATE TO 8TH ED. (2023)	FBC			
4	8/16/22	REVISE DOOR PANEL				
3	7/23/20	UPDATE TO 7TH ED (2020)	FBC			
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC			
1	04/14/15	UPDATE TO 5TH ED. (2014)	FBC			

DATE: 02/15/12

SCALE: N.T.S.

DWG. BY: JK

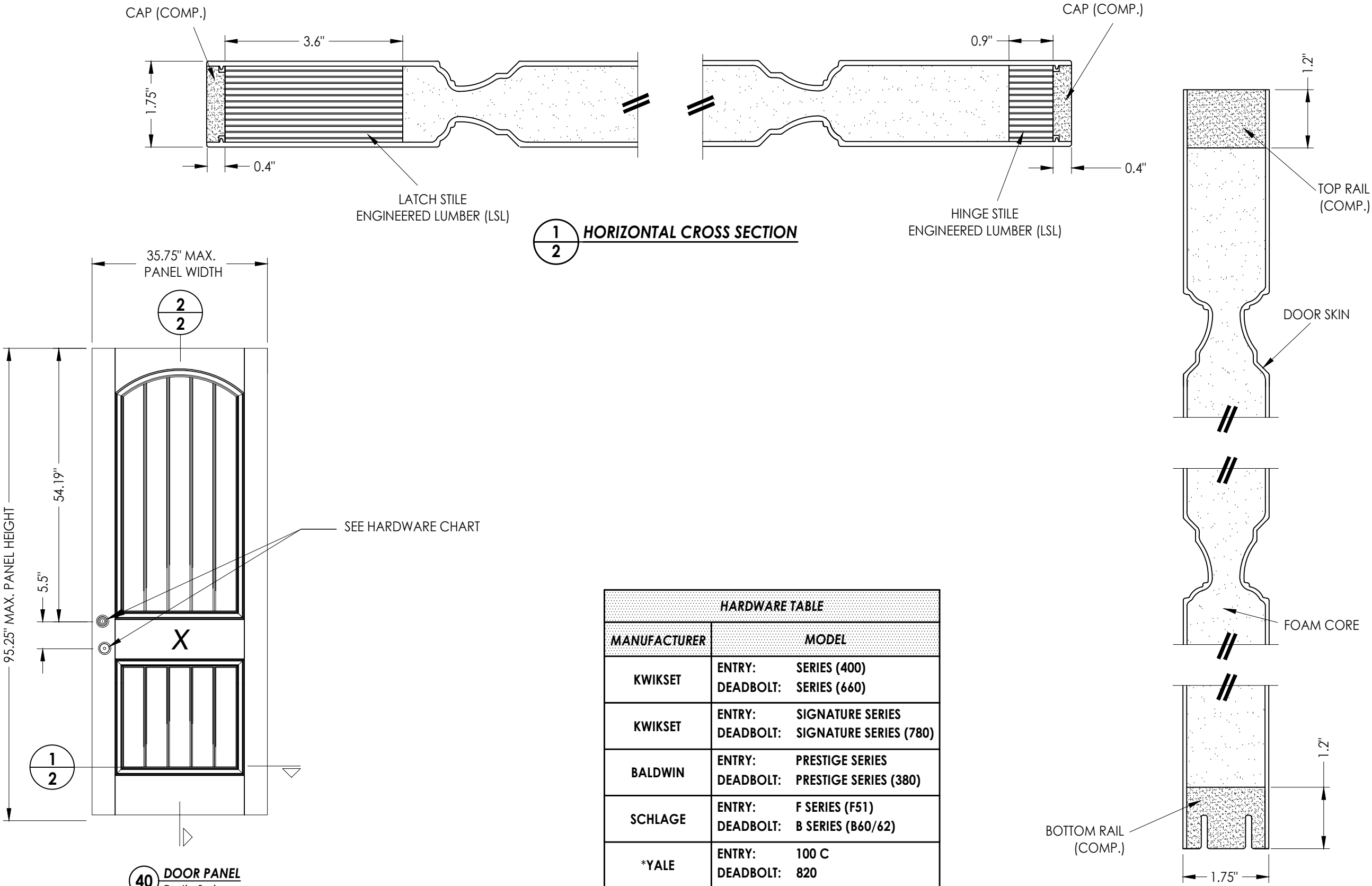
CHK. BY: LFS

DRAWING NO.:

FL-15209.2

SHEET 1 OF 12

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HARDWARE TABLE		
MANUFACTURER	MODEL	
Kwikset	ENTRY:	SERIES (400)
	DEADBOLT:	SERIES (660)
Kwikset	ENTRY:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (780)
Baldwin	ENTRY:	PRESTIGE SERIES
	DEADBOLT:	PRESTIGE SERIES (380)
Schlage	ENTRY:	F SERIES (F51)
	DEADBOLT:	B SERIES (B60/62)
*Yale	ENTRY:	100 C
	DEADBOLT:	820

*Not to Exceed +/- 50 PSF.

FIBERGLASS DOOR SKIN: MIN. 0.100" THK.
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)

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

PLASTPRO INC
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

58/14/23UPDATE TO 8TH ED. (2023) FBC

48/16/22REVISE DOOR PANEL

37/23/20UPDATE TO 7TH ED (2020) FBC

27/24/17UPDATE TO 6TH ED. (2017) FBC

104/14/15UPDATE TO 5TH ED. (2014) FBC

NO.

DATE

REVISIONS

DATE: 02/15/12

SCALE: N.T.S.

DWG. BY: JK

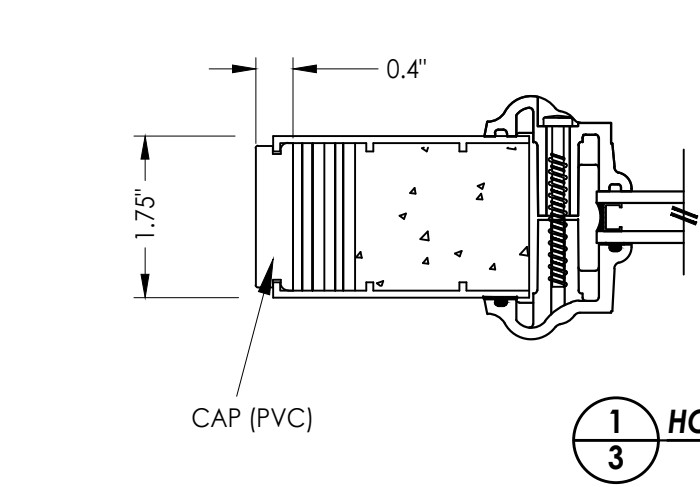
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DRAWING NO.: FL-15209.2

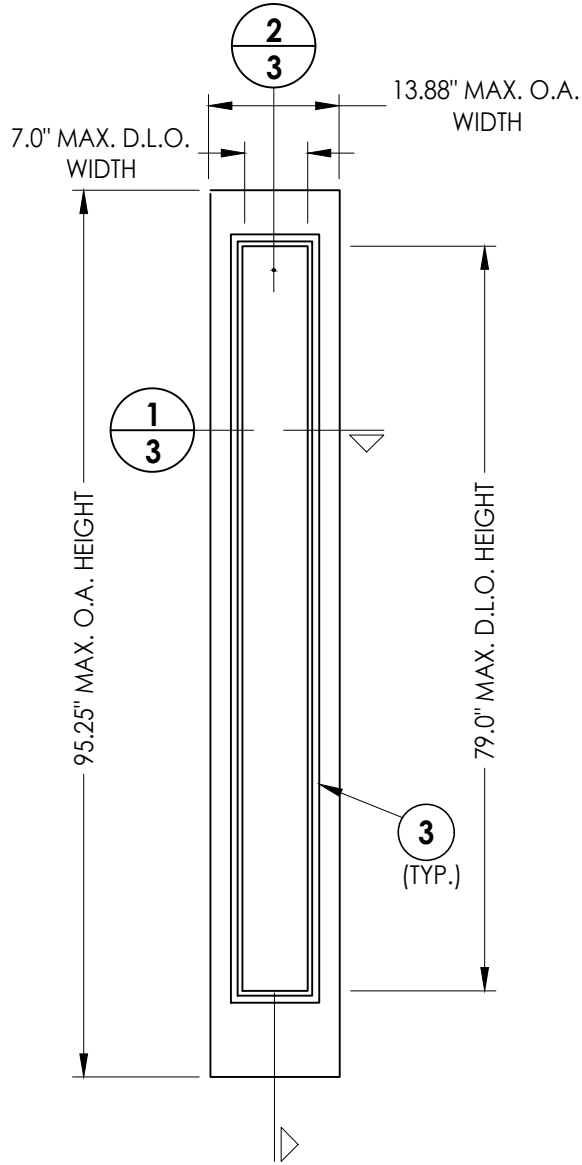
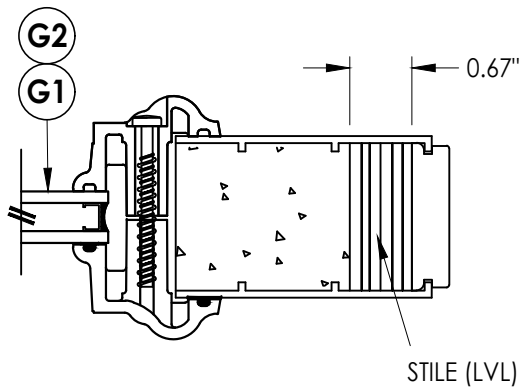
SHEET 2 OF 12

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

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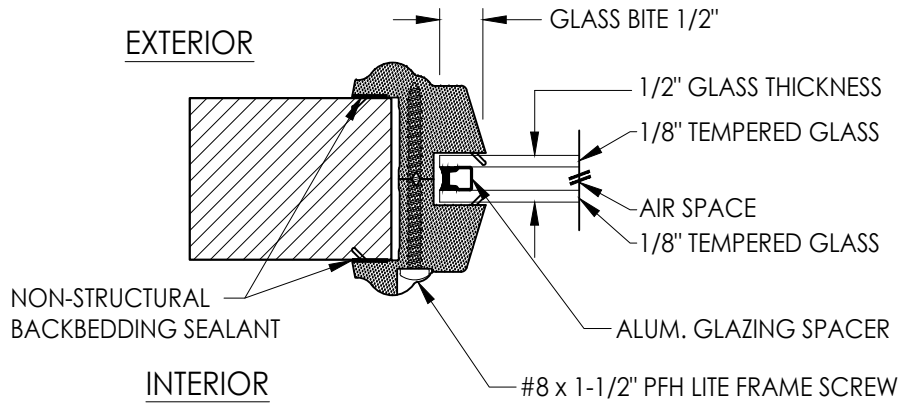


1
3 **HORIZONTAL CROSS SECTION**

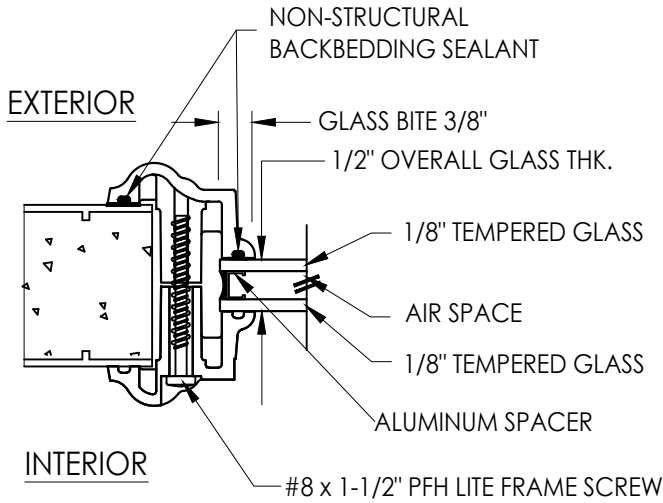


50 **SIDELITE PANEL**

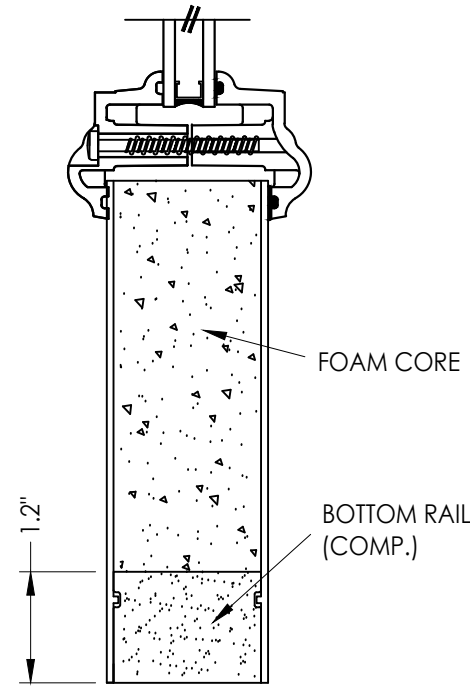
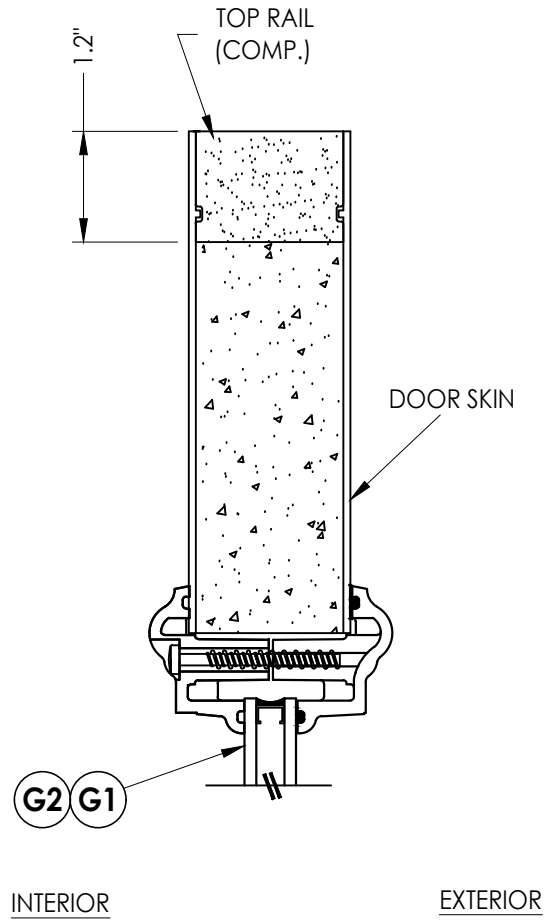
FIBERGLASS DOOR SKIN: MIN. 0.075" THK.
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)



G2 **GLAZING DETAIL**
RSL Lite Frame
(PVC)



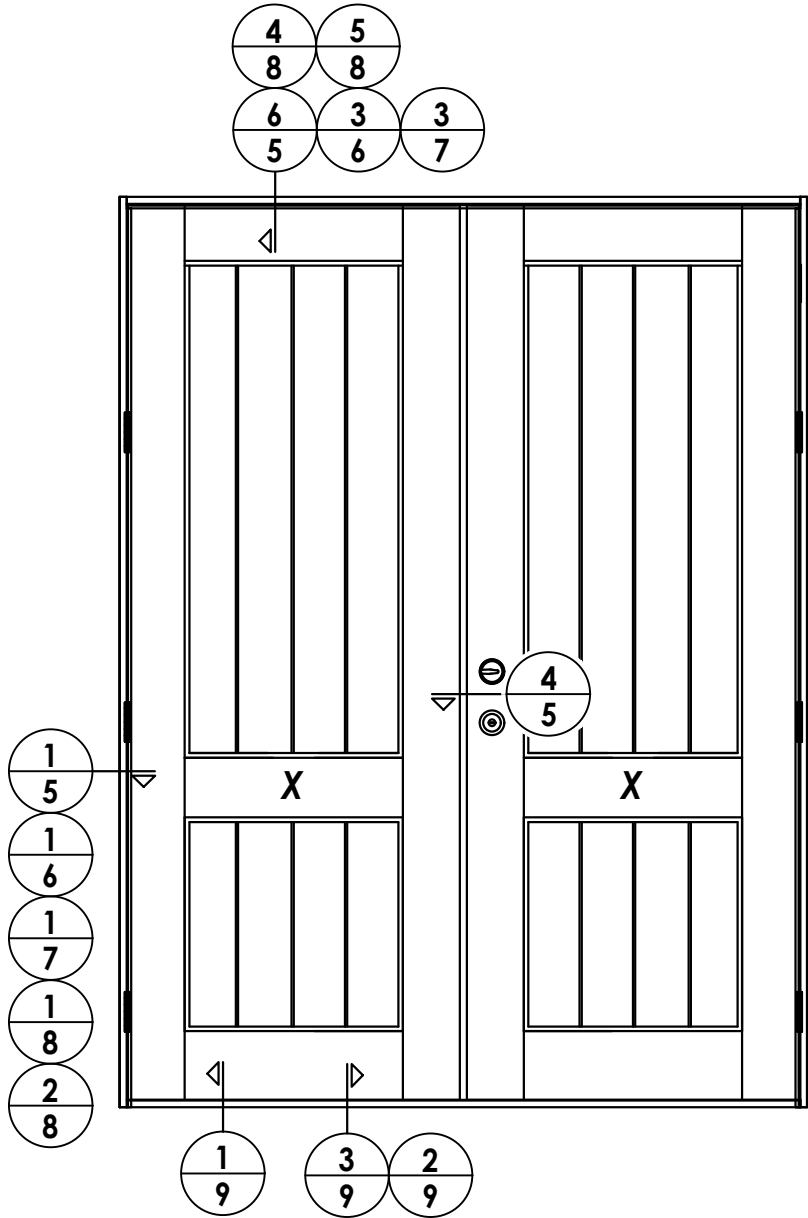
G2 **GLAZING DETAIL**
ODL Lite Frame
(HP Polypro)



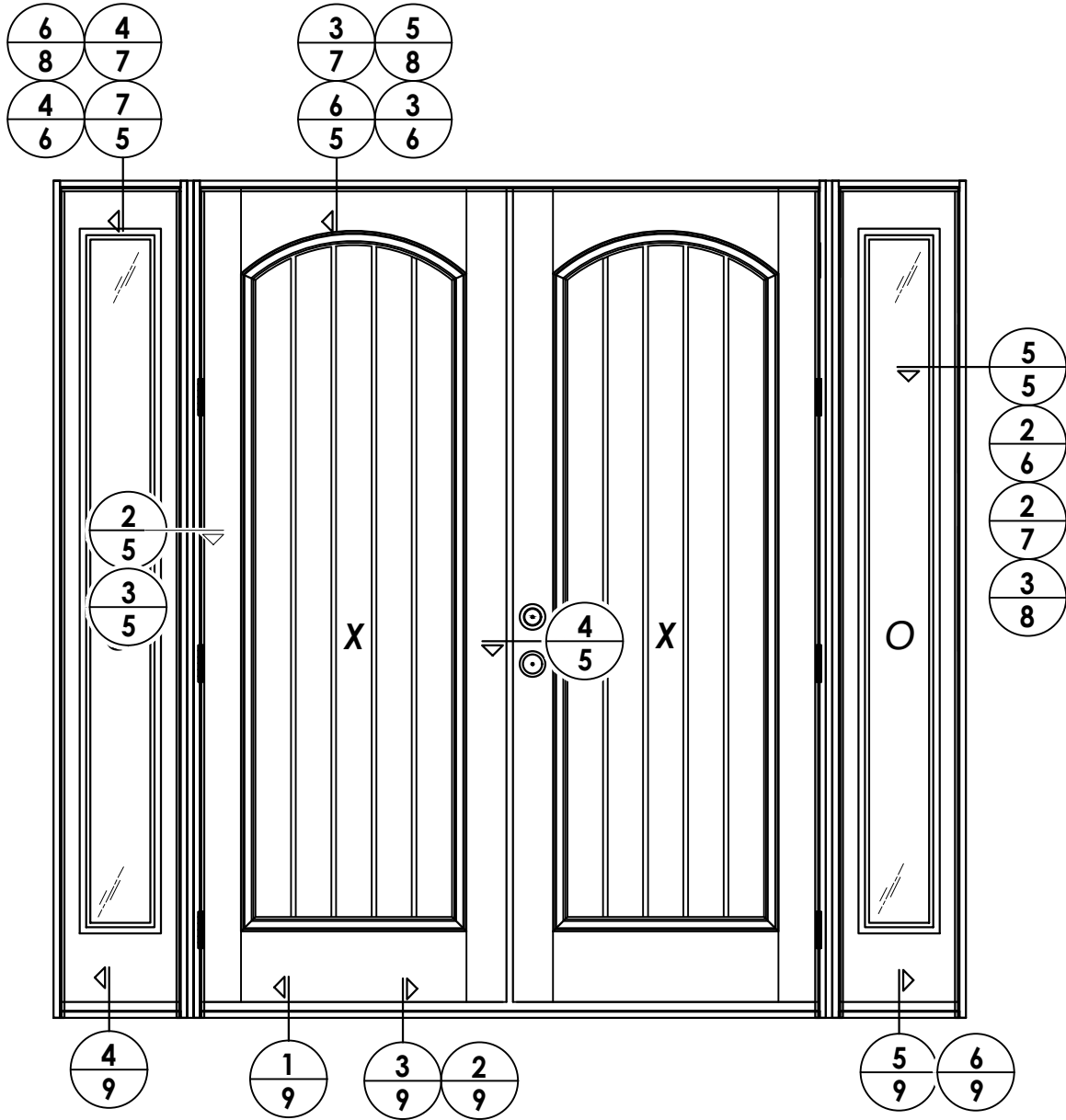
2
3 **VERTICAL CROSS SECTION**

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: SIDELITE PANEL DETAILS & GLAZING DETAIL	
5	8/14/23	UPDATE TO 8TH ED. (2023)	FBC
4	8/16/22	REVISE DOOR PANEL	LFS
3	7/23/20	UPDATE TO 7TH ED (2020)	FBC
2	7/24/17	UPDATE TO 6TH ED. (2017)	JK
1	04/14/15	UPDATE TO 5TH ED. (2014)	JK
NO.	DATE		BY
REVISIONS			
DATE: 02/15/12			
SCALE: N.T.S.			
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.: FL-15209.2			
SHEET 3		OF 12	

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ELEVATION (XX)



ELEVATION (OXXO)

NO.	DATE	REVISIONS
5	8/14/23	UPDATE TO 8TH ED. (2023) FBC
4	8/16/22	REVISE DOOR PANEL
3	7/23/20	UPDATE TO 7TH ED (2020) FBC
2	7/24/17	UPDATE TO 6TH ED. (2017) FBC
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC
NO.	DATE	BY

DATE: 02/15/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

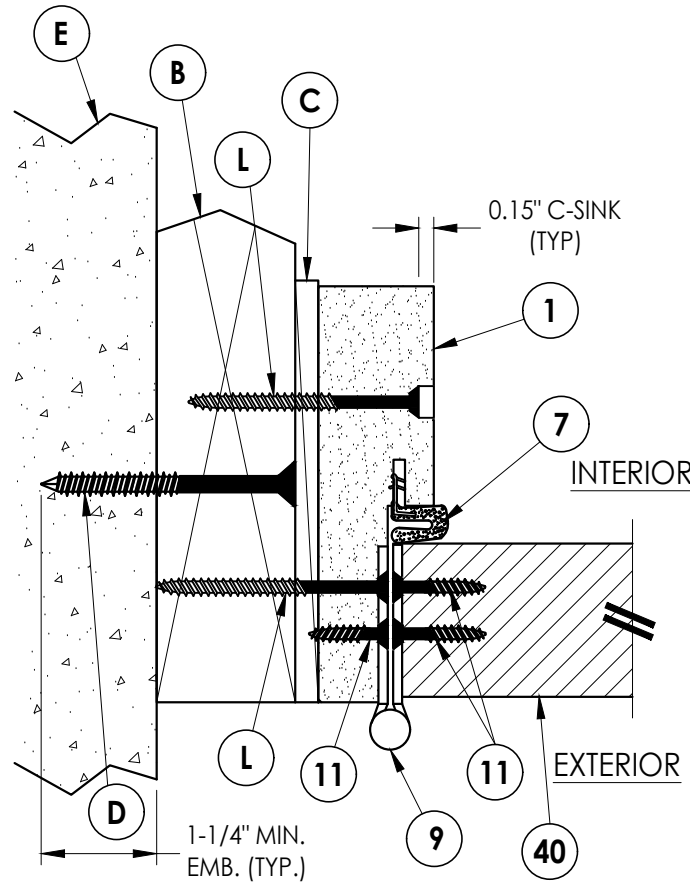
DRAWING NO.:
FL-15209.2

SHEET 4 OF 12

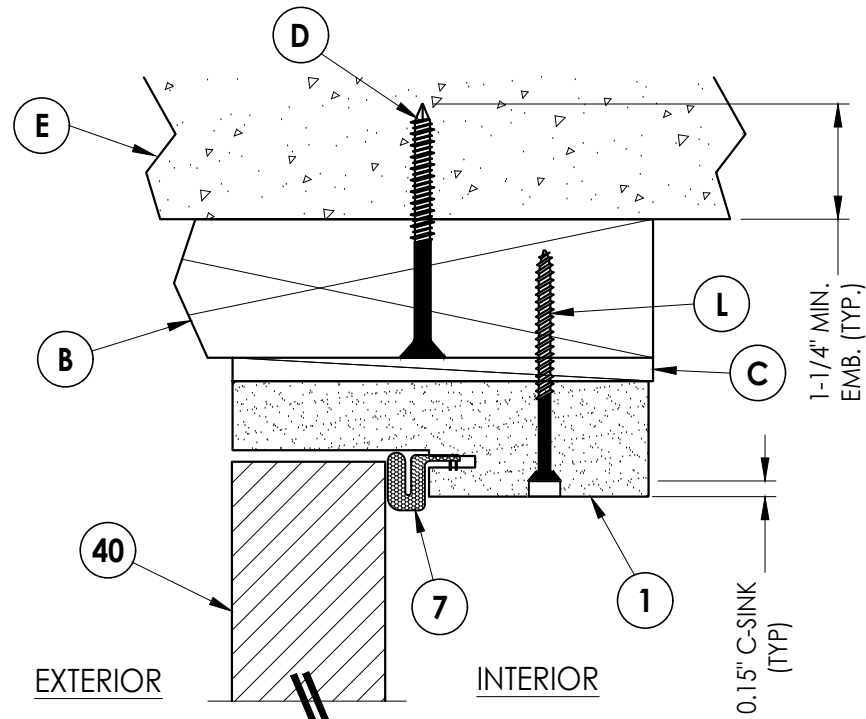
PRODUCT:	PLASTPRO INC FIBERGLASS DOOR
PART OR ASSEMBLY:	ELEVATIONS

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

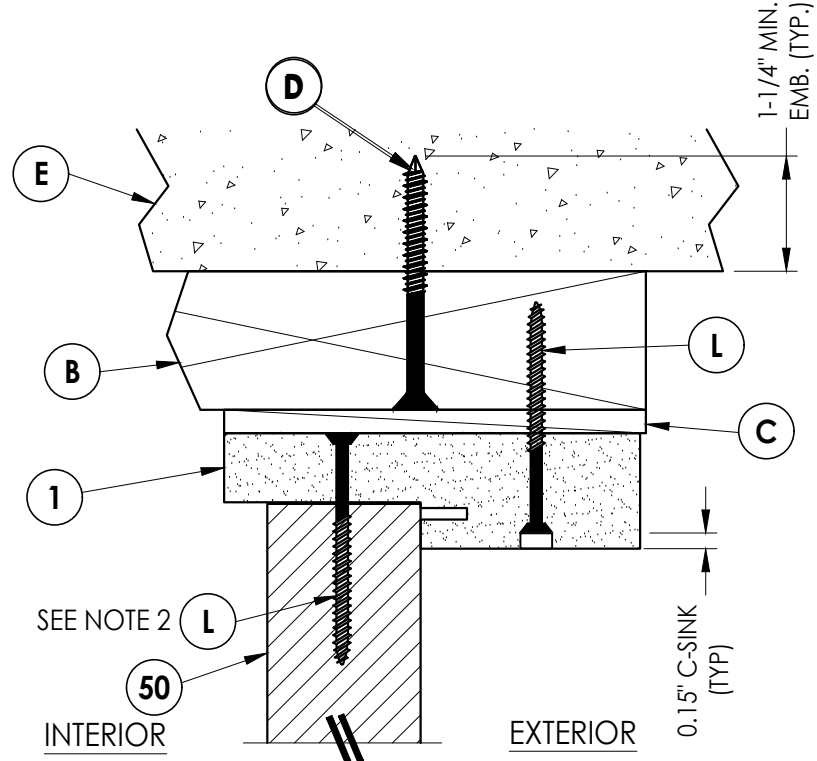
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



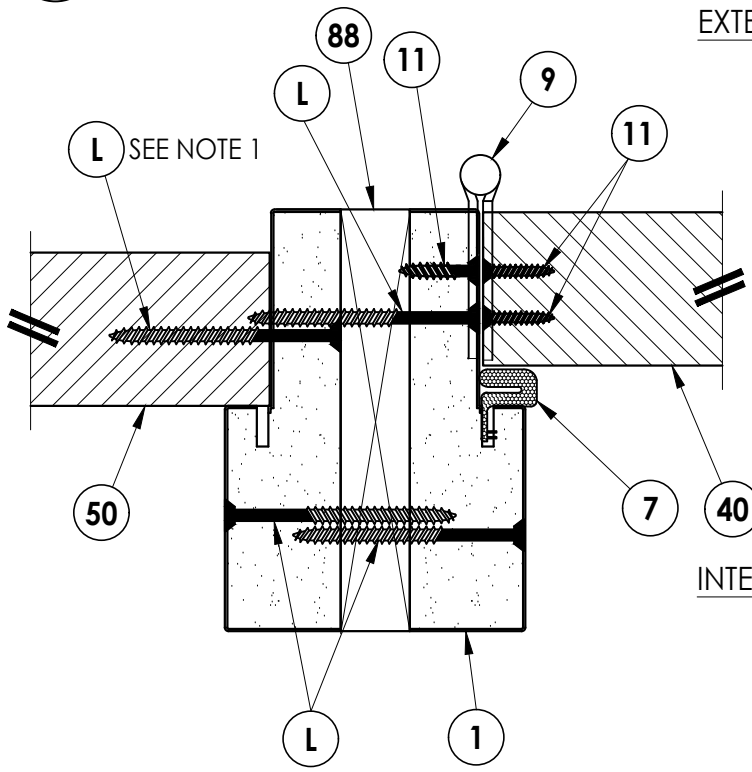
1
5 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved



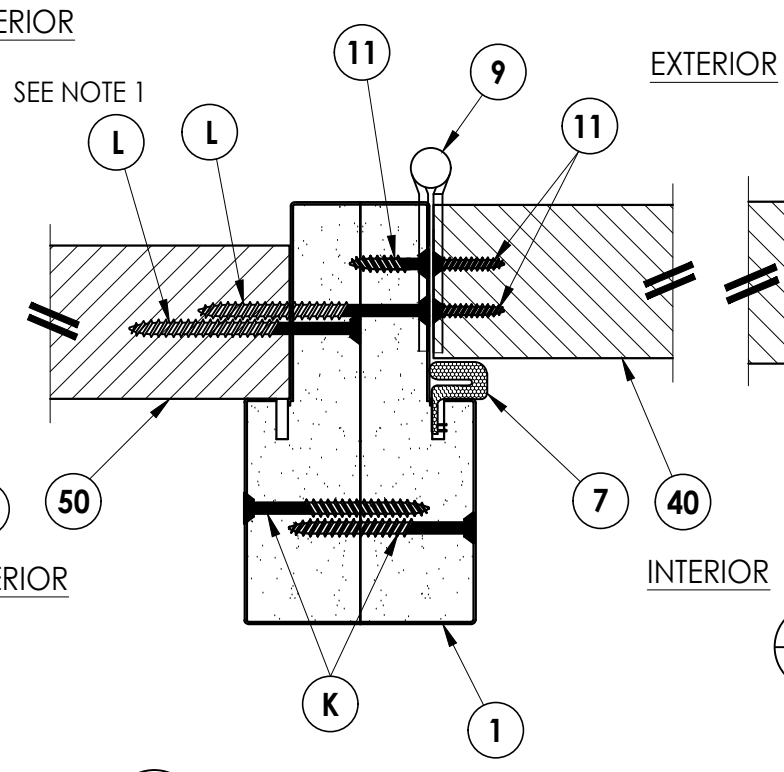
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5 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)



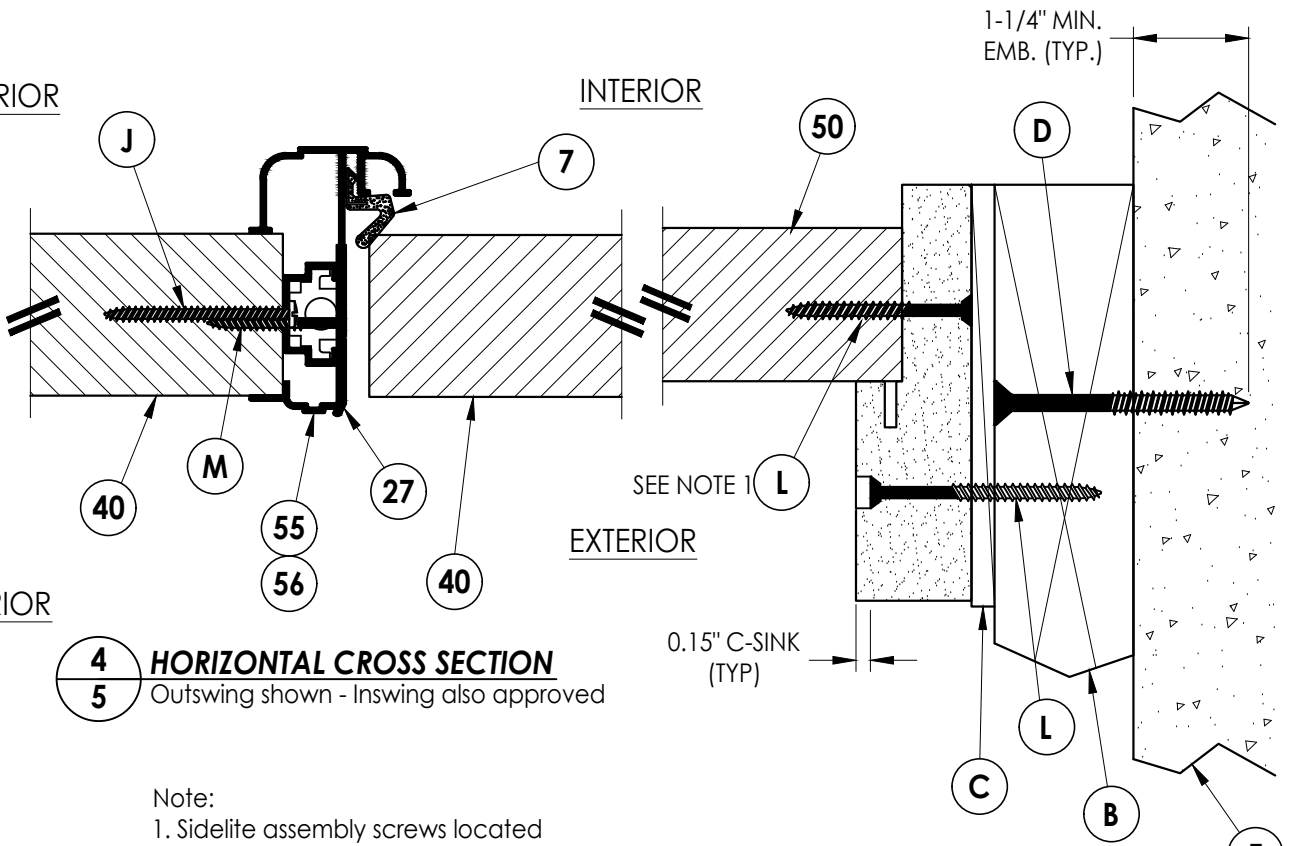
7
5 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)



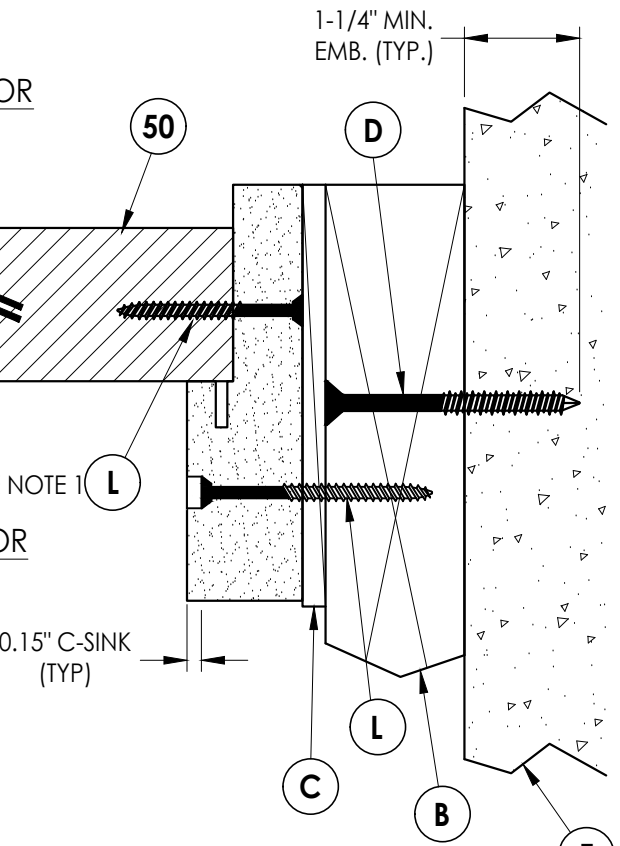
2
5 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved
Shown with 1X reinforcement



3
5 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved
Shown with back-to-back jambs



4
5 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved

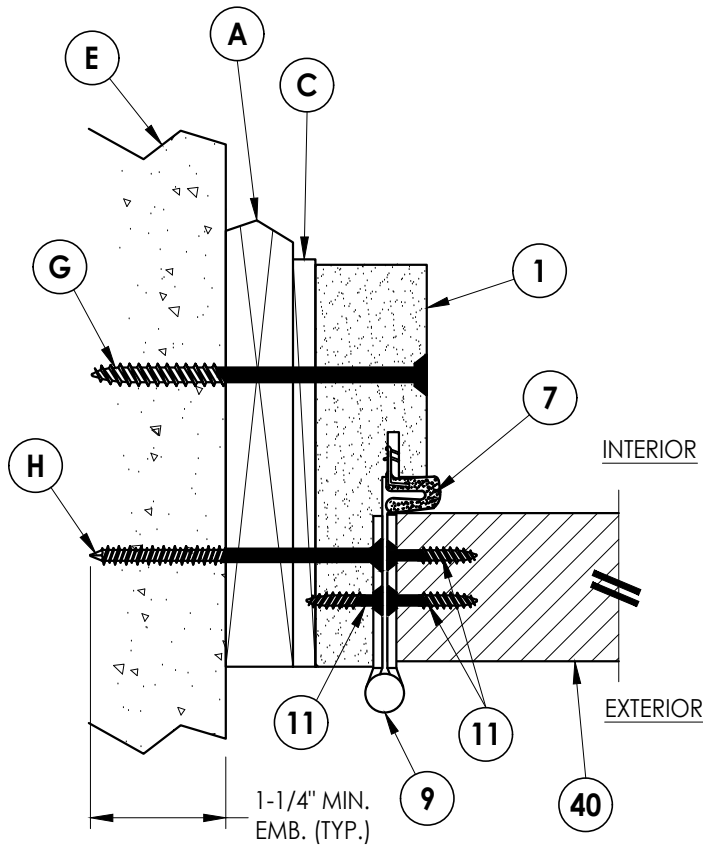


5
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

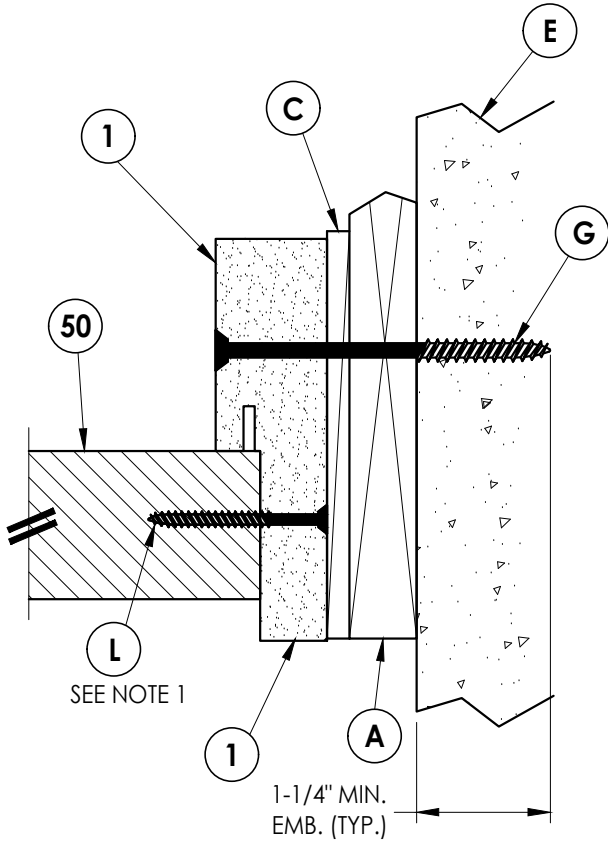
Note:
1. Sidelite assembly screws located 6" from top and bottom then 5 more equally spaced (7 total).
2. Spacing for item L: 3" from each end.

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 (2X BUCK)	
5	8/14/23	UPDATE TO 8TH ED. (2023) FBC	LFS
4	8/16/22	REVISE DOOR PANEL	LFS
3	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS
2	7/24/17	UPDATE TO 6TH ED. (2017) FBC	JK
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC	JK
NO.		DATE	REVISIONS
DATE: 02/15/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15209.2			
SHEET 5 OF 12			

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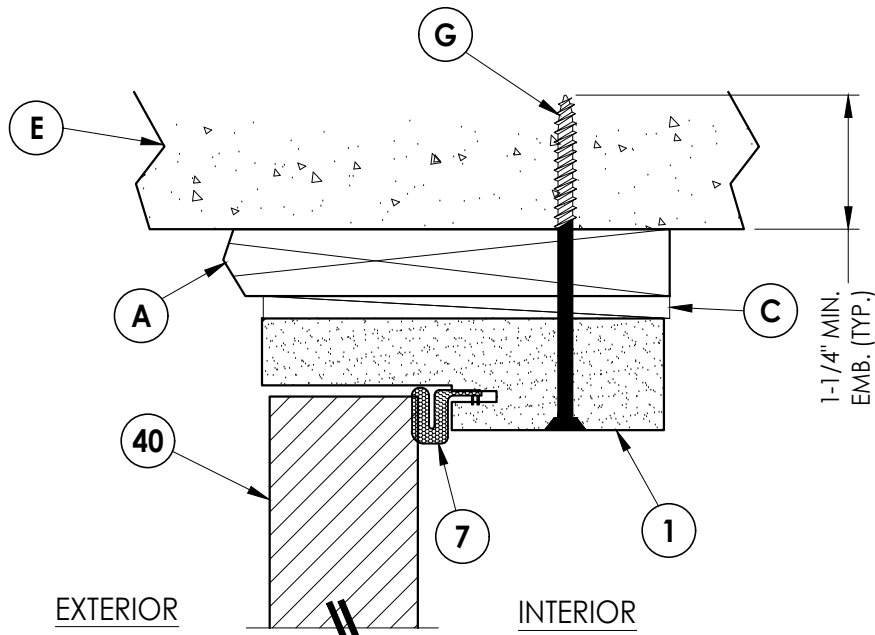


1
6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

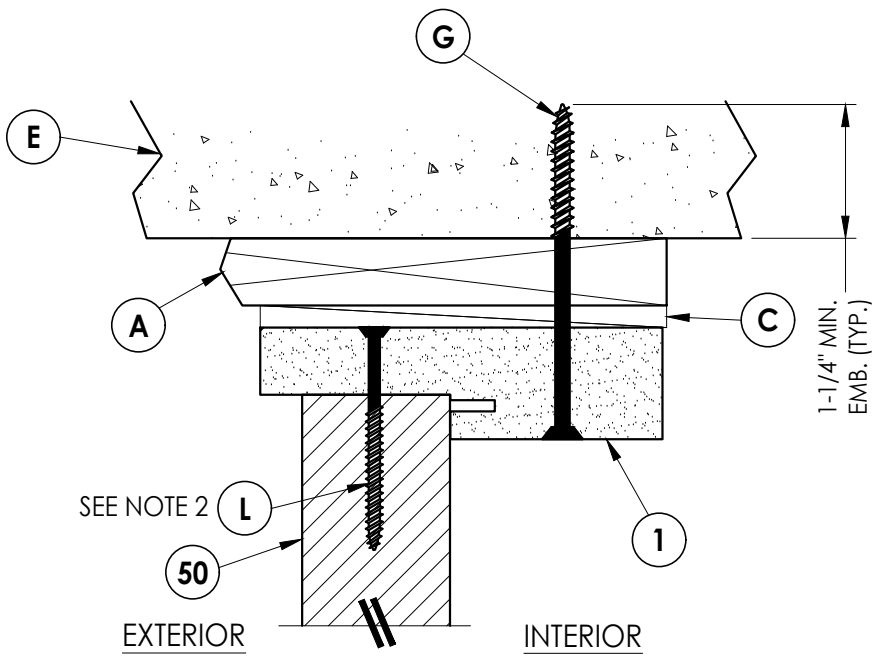


2
6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

Note:
1. Sidelite assembly screws located
6" from top and bottom then 5 more
equally spaced (7 total).
2. Spacing for item L: 3" from each end.



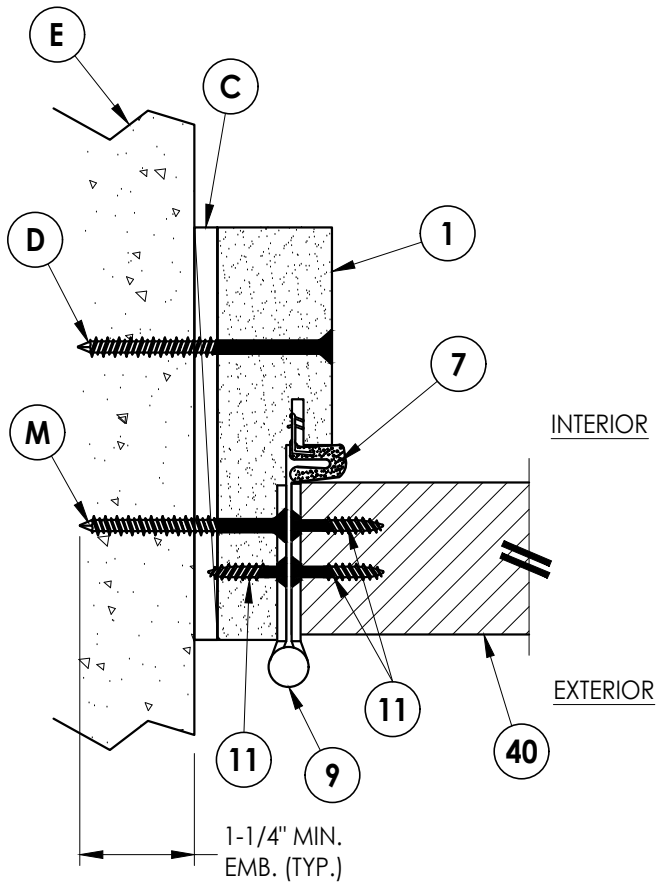
3
6 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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

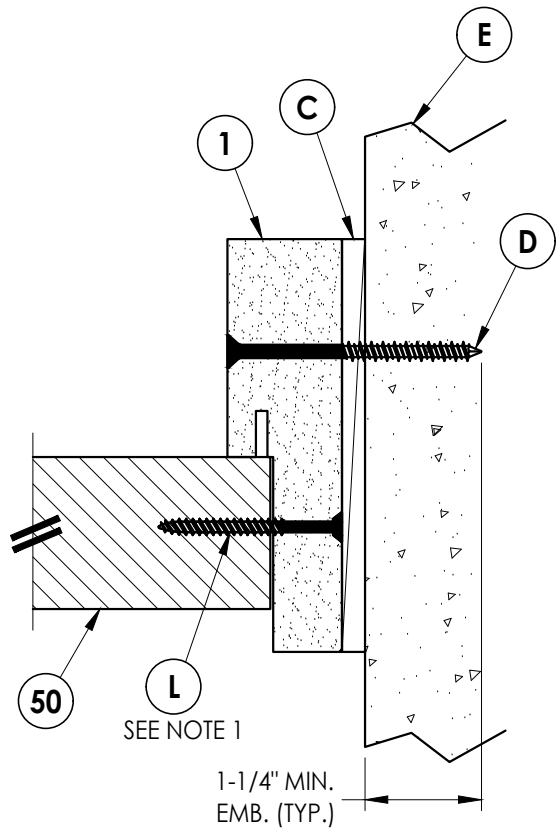
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: PLASTPRO INC FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
5	8/14/23	UPDATE TO 8TH ED. (2023) FBC	LFS
4	8/16/22	REVISE DOOR PANEL	LFS
3	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS
2	7/24/17	UPDATE TO 6TH ED. (2017) FBC	JK
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC	JK
NO.	DATE		BY
		REVISIONS	
DATE: 02/15/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15209.2			
SHEET 6 OF 12			

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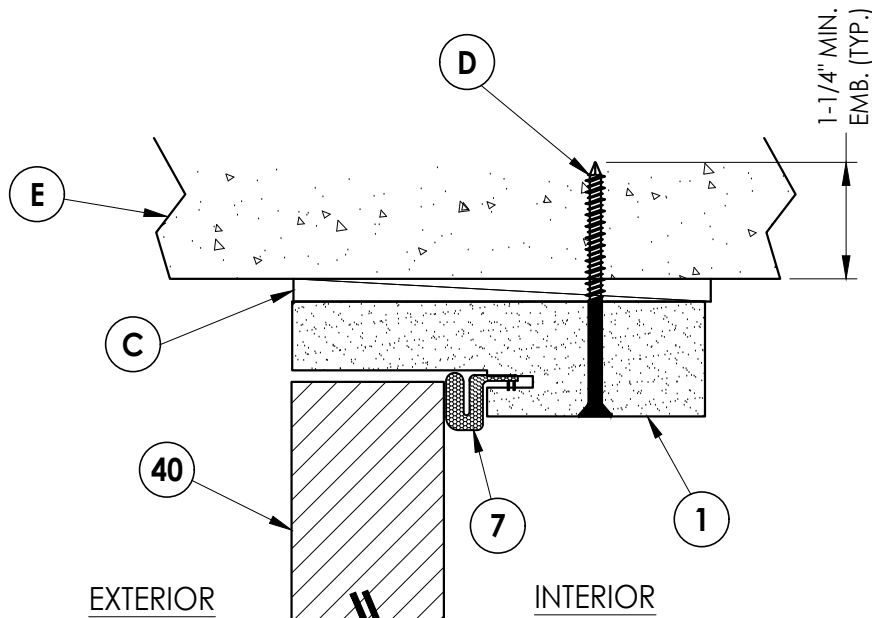


1
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

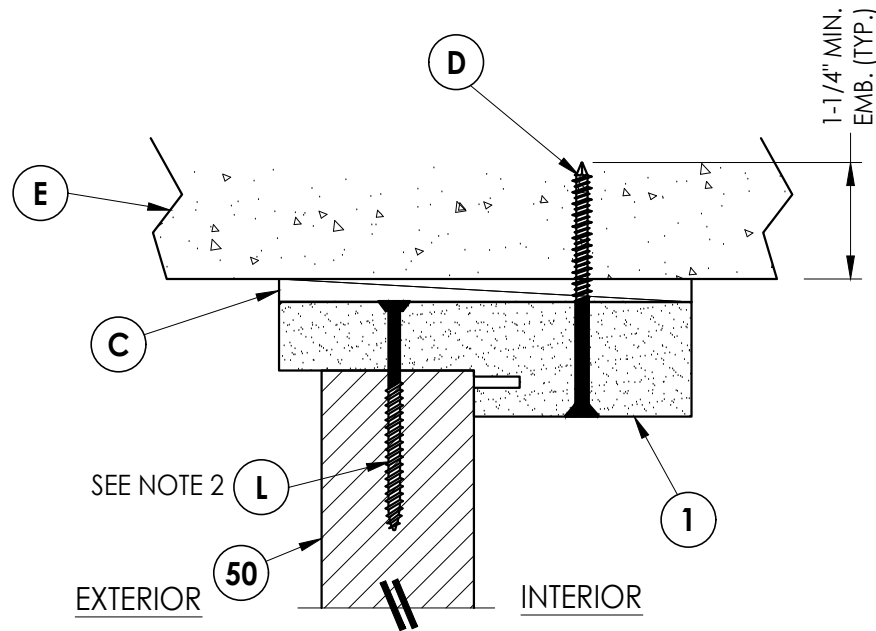
- Note:
1. Sidelite assembly screws located 6" from top and bottom then 5 more equally spaced (7 total).
 2. Spacing for item L: 3" from each end.



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



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



4
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
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 (DIRECT TO MASONRY)

NO.	DATE	REVISIONS			
		BY	JK	LFS	FBC
5	8/14/23	DATE	JK	LFS	FBC
4	8/16/22	DATE	JK	LFS	FBC
3	7/23/20	DATE	JK	LFS	FBC
2	7/24/17	DATE	JK	LFS	FBC
1	04/14/15	DATE	JK	LFS	FBC

DATE: 02/15/12

SCALE: N.T.S.

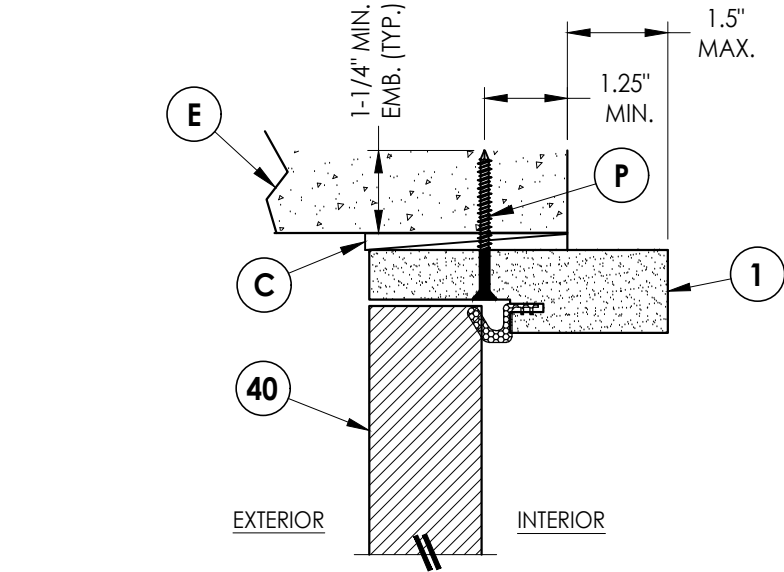
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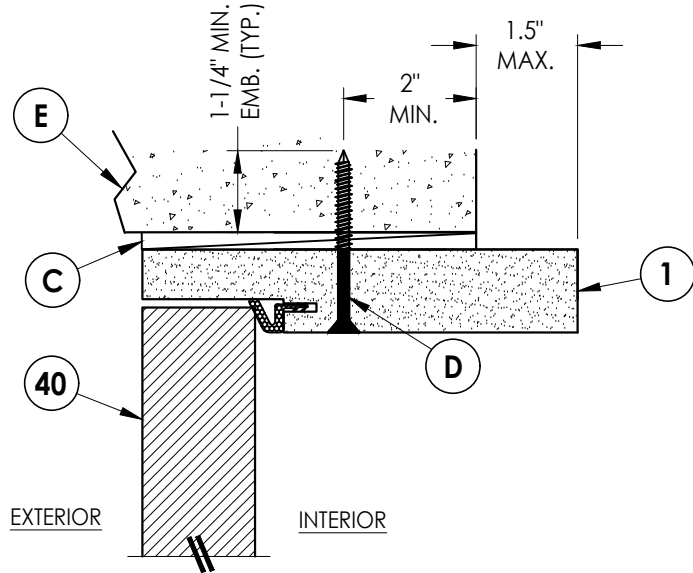
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SHEET 7 OF 12

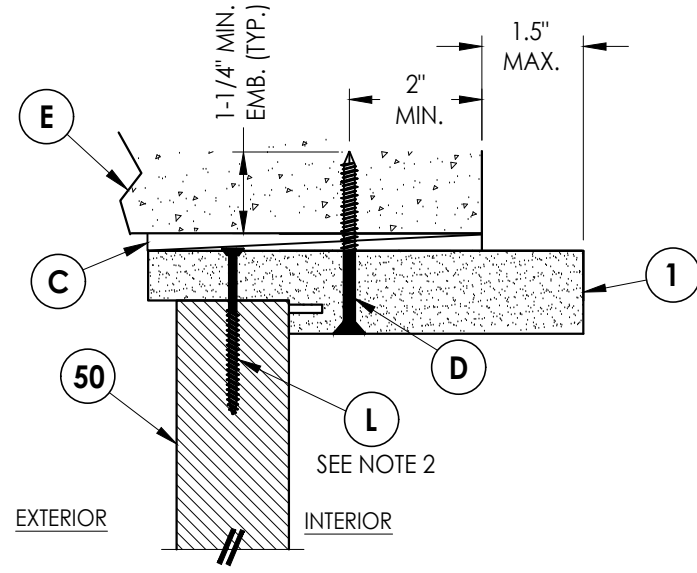
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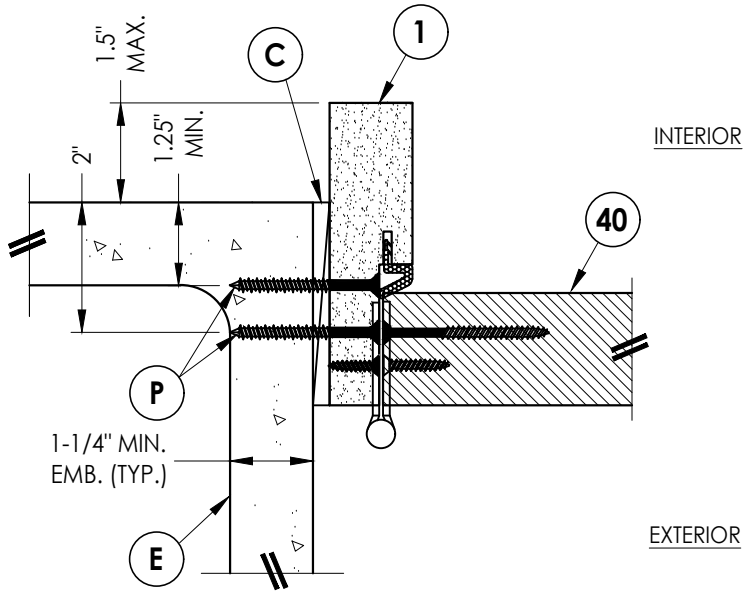
4
8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



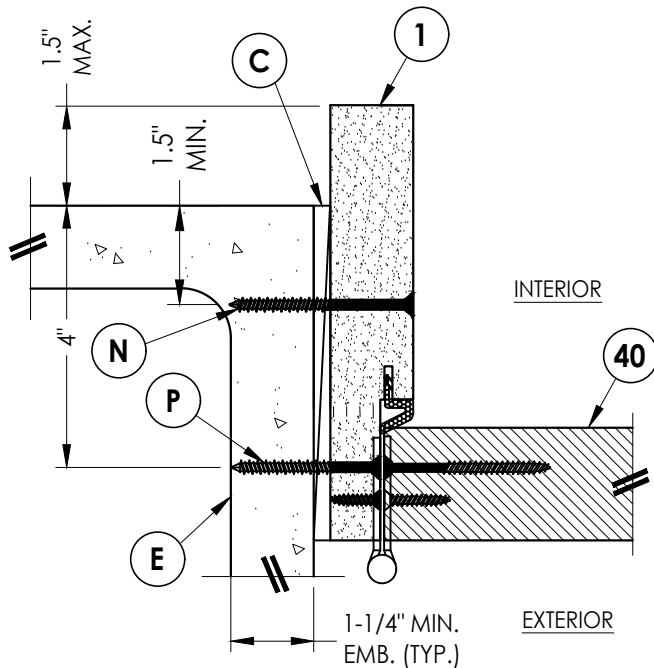
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8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



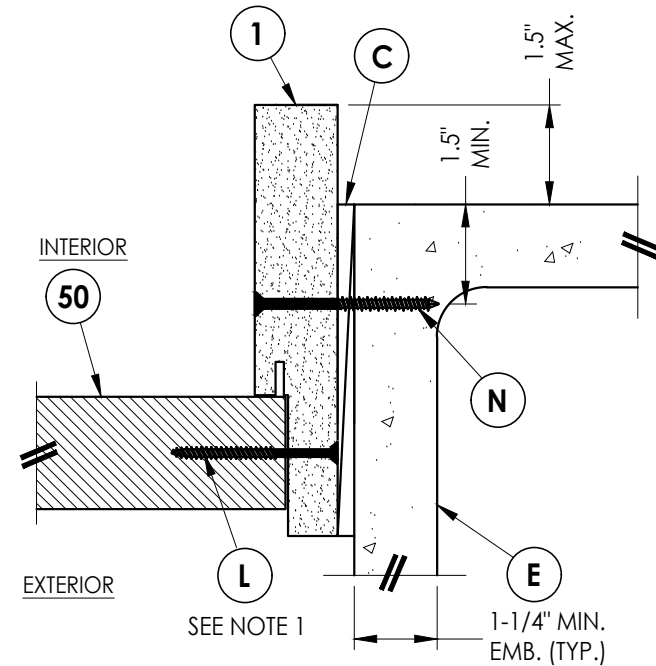
6
8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



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

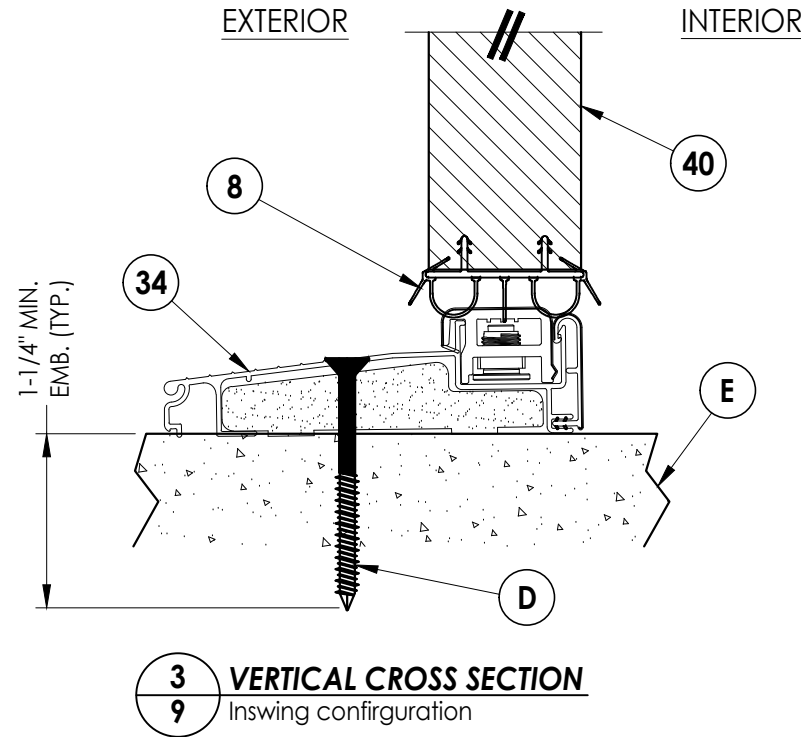
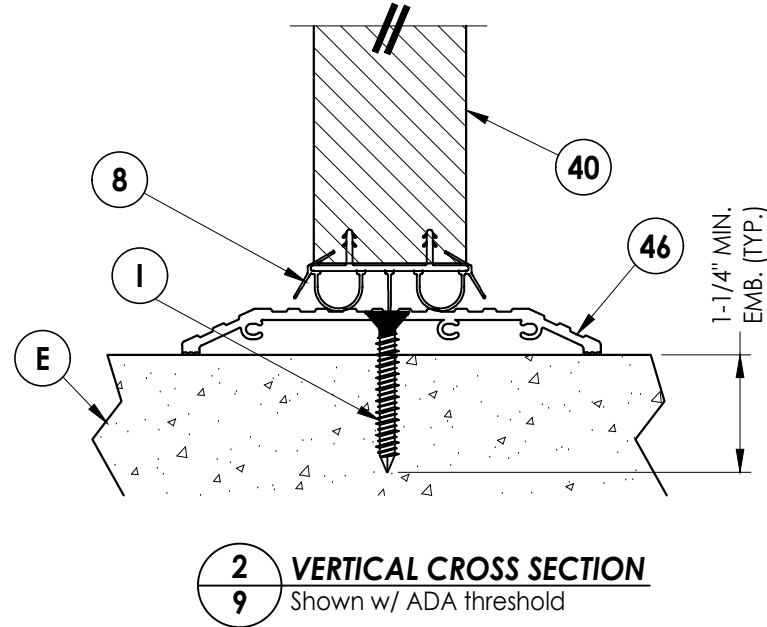
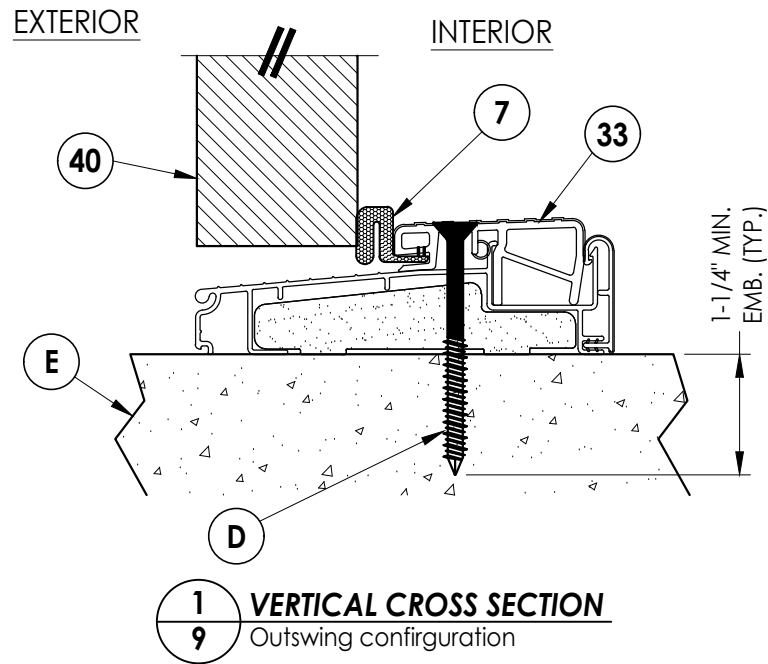


3
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

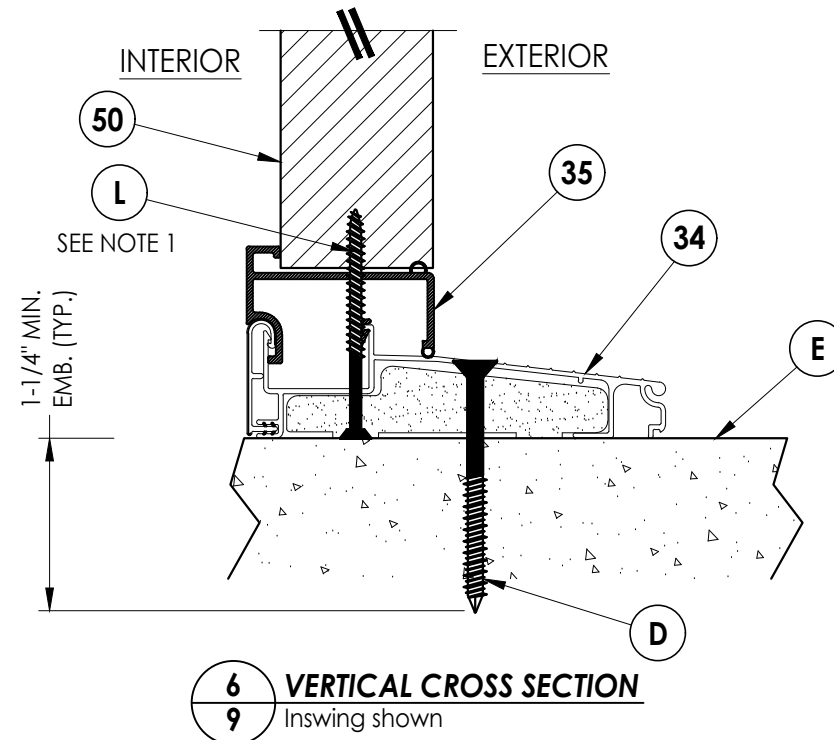
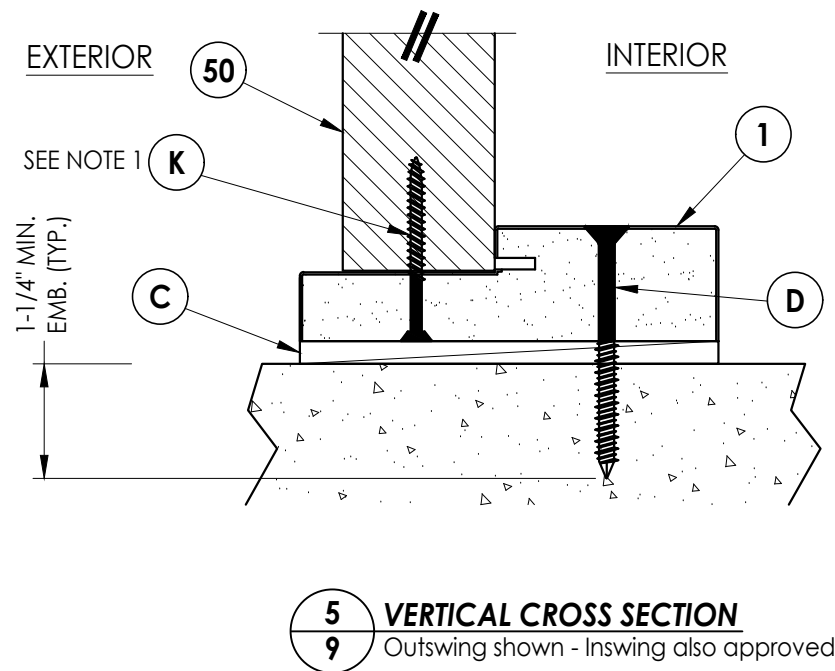
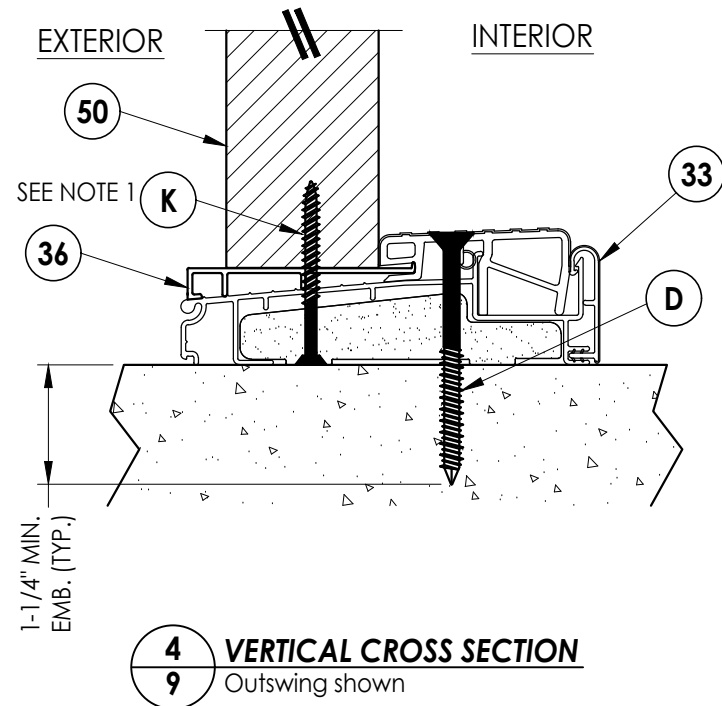
- Notes:
1. Spacing for item L: 6" from ends and 5 more equally spaced along sidelite (7 total).
 2. Spacing for item L: 3" from each end.

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 SECTIONS (DIRECT TO MASONRY)	
5	8/14/23	UPDATE TO 8TH ED. (2023) FBC	LFS
4	8/16/22	REVISE DOOR PANEL	LFS
3	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS
2	7/24/17	UPDATE TO 6TH ED. (2017) FBC	JK
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC	JK
NO.	DATE	BY	
		REVISIONS	
DATE: 02/15/12			
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.: FL-15209.2			
SHEET 8		OF 12	

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NOTE
1. Spacing for item #L and #K: 3" from each end.



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Lyndon F. Schmidt
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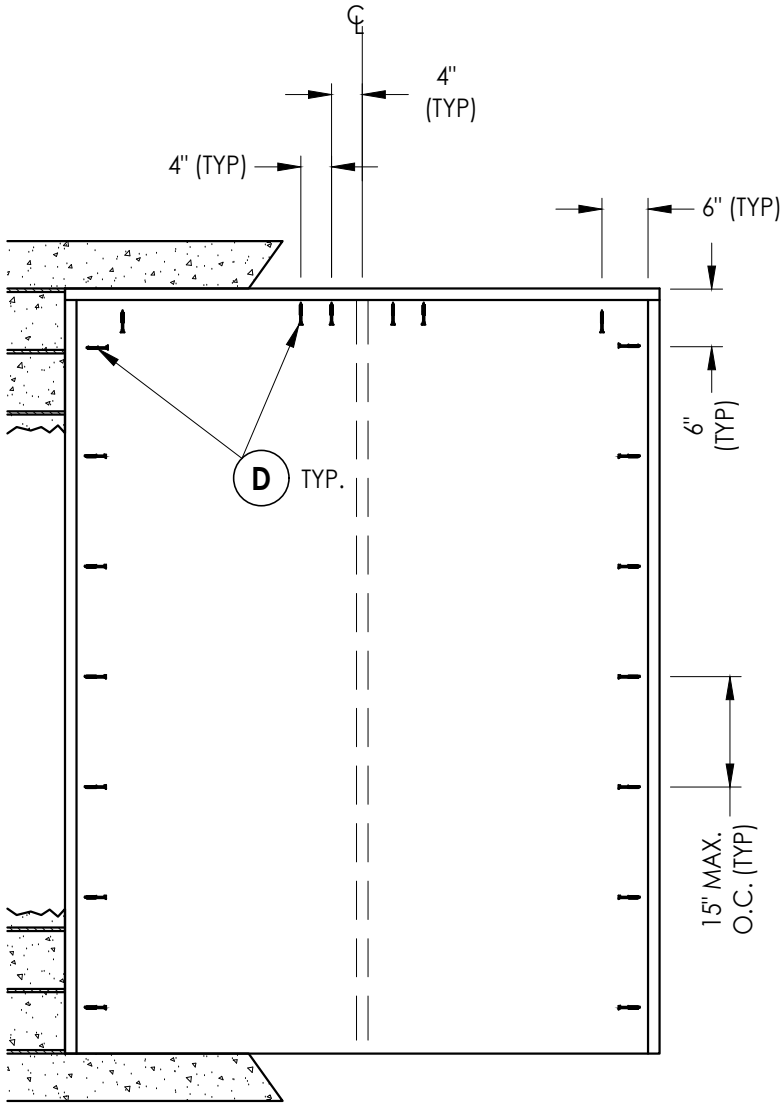
PRODUCT:
PLASTPRO INC
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

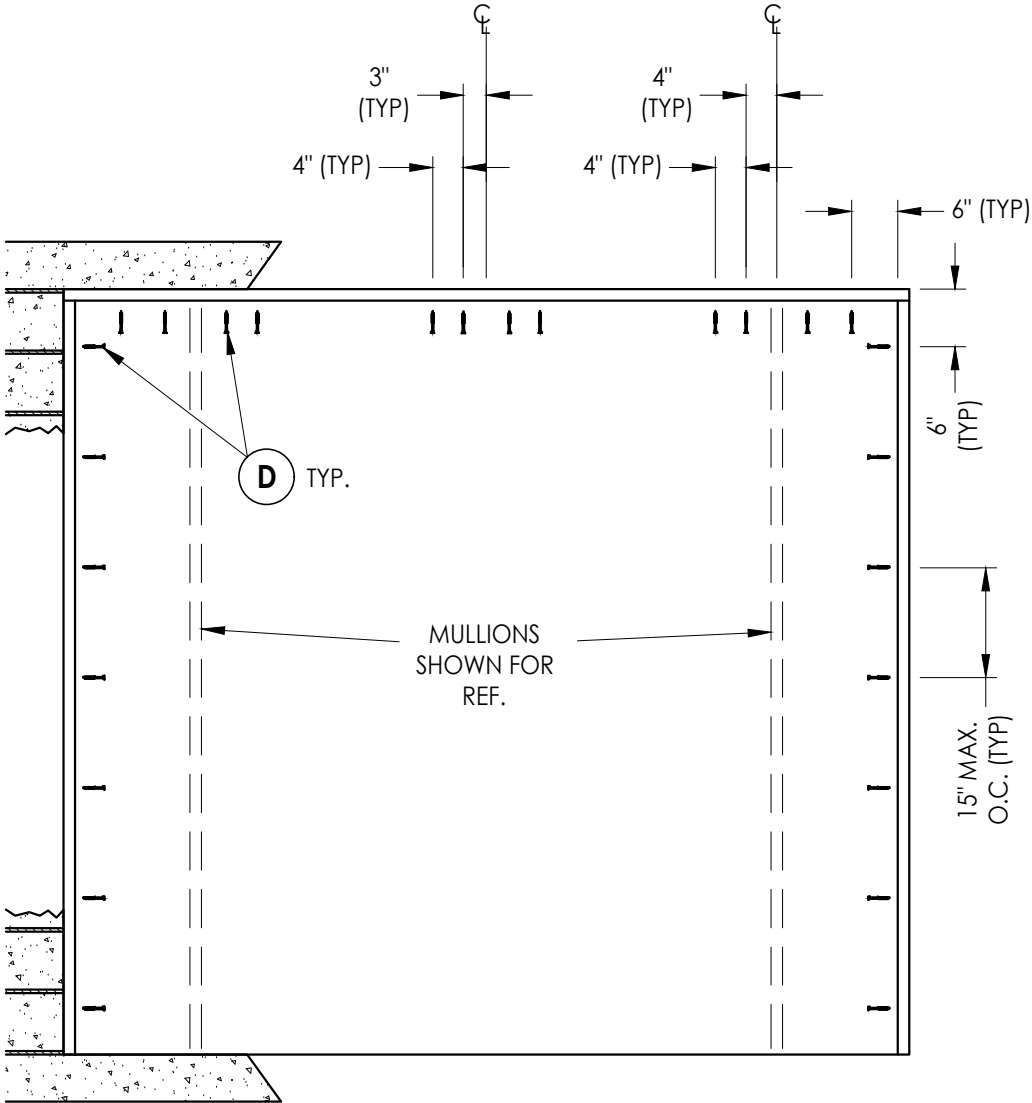
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

NO.	DATE	REVISIONS
5	8/14/23	UPDATE TO 8TH ED. (2023) FBC
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1	04/14/15	UPDATE TO 5TH ED. (2014) FBC
NO.	DATE	REVISIONS
DATE:	02/15/12	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	FL-15209.2	
SHEET	9	OF 12

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BUCK ANCHORING
XX



BUCK ANCHORING
OXXO

CONCRETE ANCHOR NOTES:

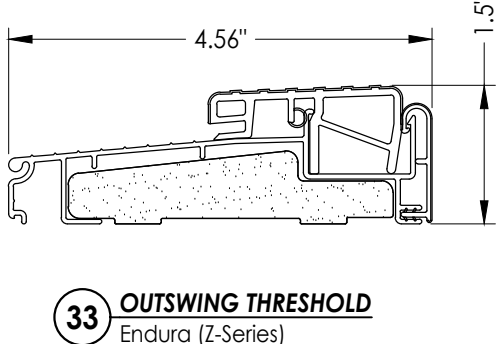
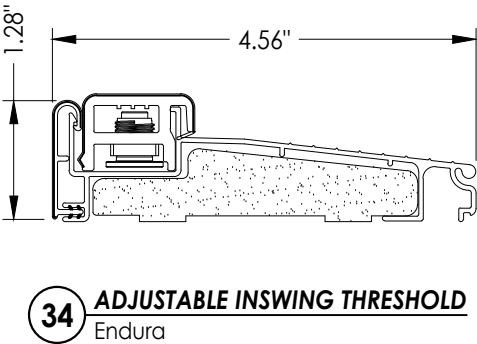
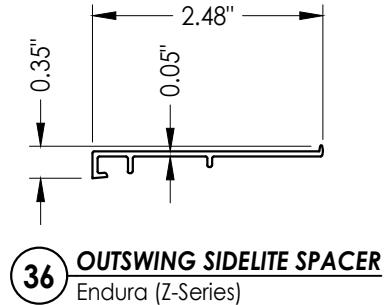
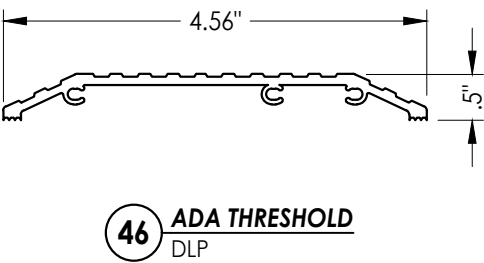
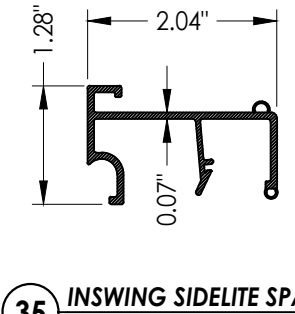
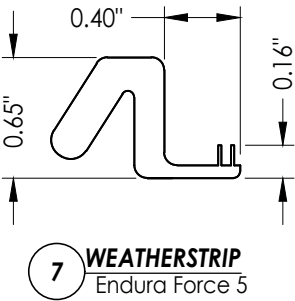
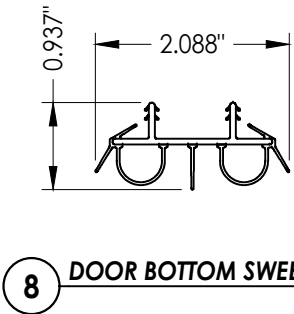
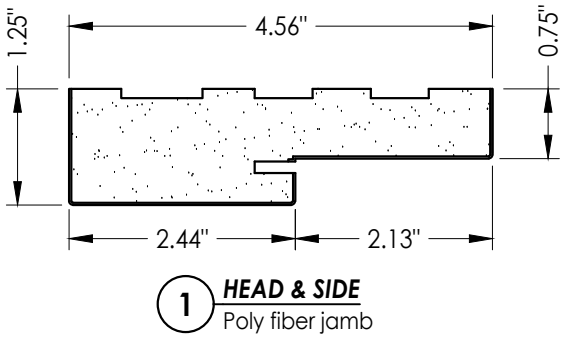
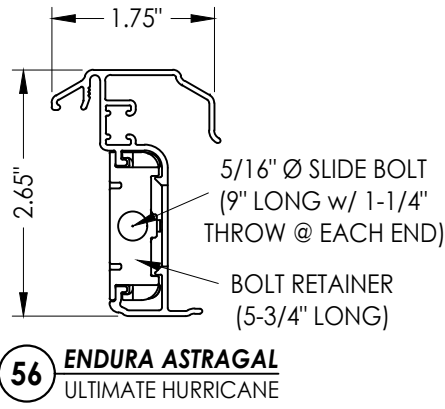
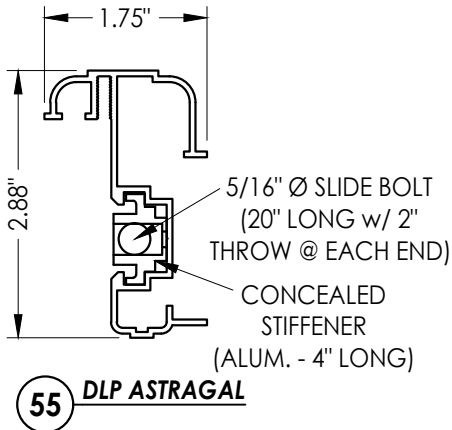
- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints; additional concrete anchors may be required to ensure the "MAX. ON 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"

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		PRODUCT: PLASTPRO INC FIBERGLASS DOOR		PART OR ASSEMBLY: BUCK ANCHORING	
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SHEET 10 of 12					

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	1/4" x 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
H	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
I	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	#8 X 2" PPH WOOD SCREW	
K	#10 X 2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	#8 X 1-1/2" PFH WOOD SCREW	STEEL
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL
P	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL
1	POLY FIBER JAMB	POLY FIBER
7	WEATHERSTRIP	FOAM
8	DOOR BOTTOM SWEEP	VINYL
9	4" X 4" BUTT HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
30	#6 X 3/4" PFH WOOD SCREW	STEEL
31	TIE PLATE (7" X 3.125" X 0.09" THICK)	STEEL
33	OUTSWING THRESHOLD	ALUM / COMP
34	INSWING ADJUSTABLE THRESHOLD	ALUM / COMP
35	INSWING SIDELITE ADAPTER	PVC
36	OUTSWING SIDELITE ADAPTER	PVC
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
46	ADA THRESHOLD	ALUM
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
55	EXTRUDED ALUMINUM ASTRAGAL (DLP)	ALUM
56	EXTRUDED ALUMINUM ASTRAGAL (ENDURA)	ALUM
59	ASTRAGAL STRIKE PLATE	STEEL
88	1X REINFORCEMENT SG >= 0.55	WOOD



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

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PRODUCT:
PLASTPRO INC
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
AND COMPONENTS

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SHEET 12 OF 12