

Smooth / Wood Grain / White Wood Grain
Rustic / Mahogany

Series N Fiberglass Door

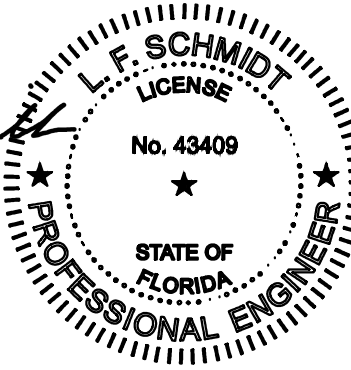
INSWING / OUTSWING

"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including 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 the "HVHZ" this product is required to be protected with an impact resistant covering that complies with Section 1626 of the FBC.
4. 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.
5. For 2x stud construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations meet water infiltration requirements for "HVHZ".
8. Inswing configurations do not meet the water infiltration requirements for the "HVHZ". Inswing units shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

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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 and frame anchoring
11	Astragal details
12	Bill of materials & components

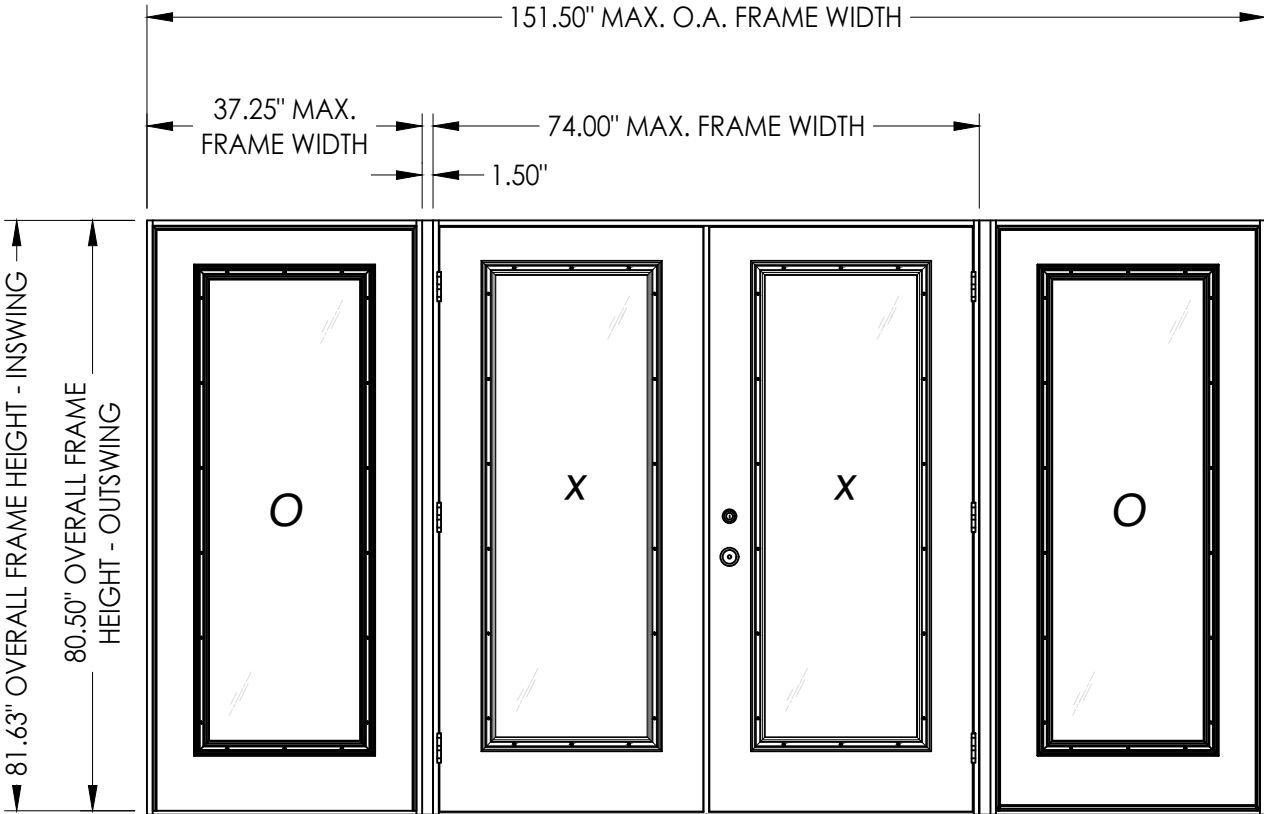


Digitally signed by Lyndon F Schmidt
Date: 2023.08.14 13:46:53 -04'00'

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



OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
151.50" X 81.63"	20.50" X 62.50"	G1	+50.0	-50.0

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

PLASTPRO INC
FIBERGLASS DOOR

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

DATE: 02/20/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15220.5

SHEET 1 OF 12

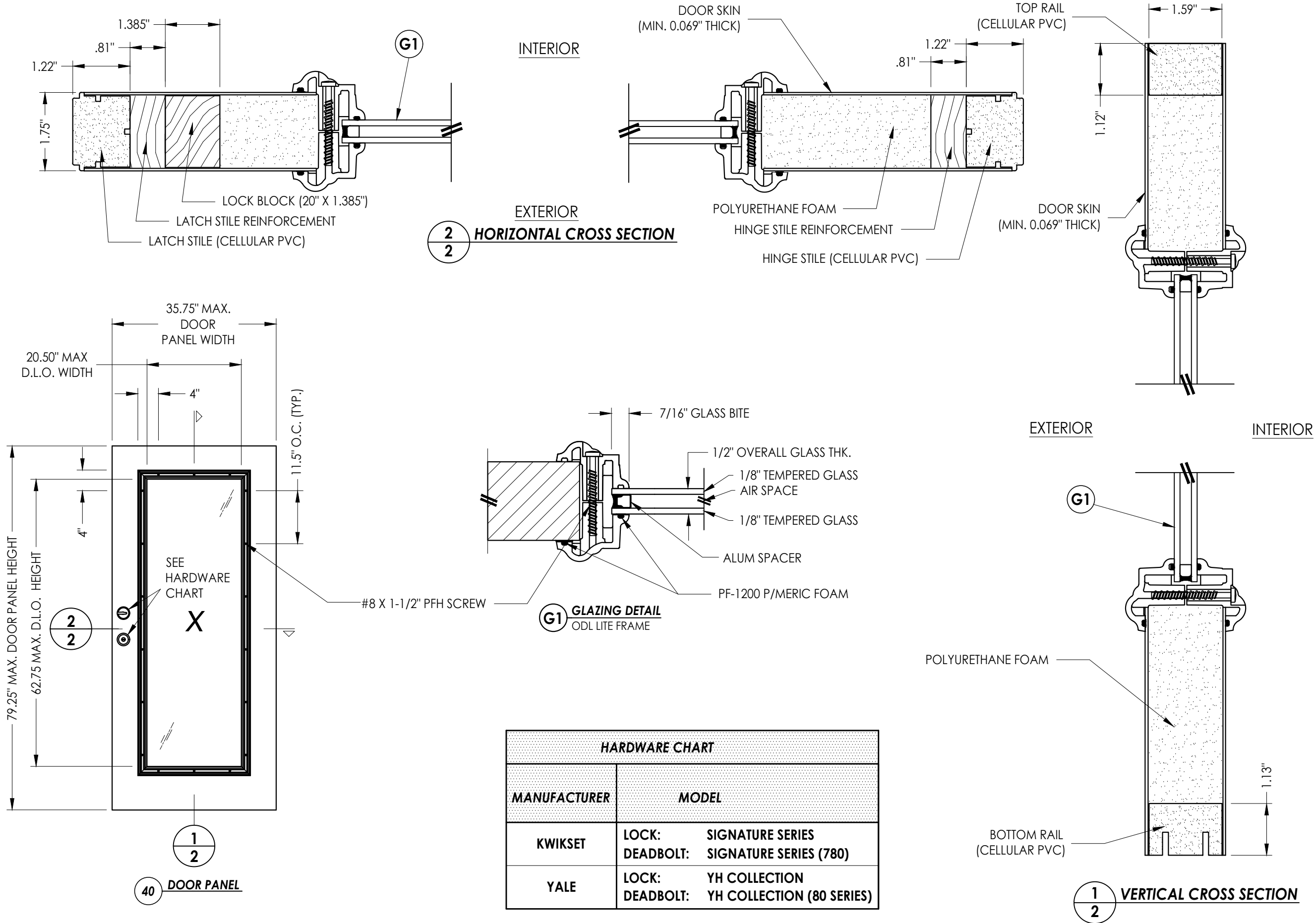
REVISIONS

NO.	DATE	BY
4	8/14/23	LFS
3	7/27/20	LFS
2	08/02/17	JK
1	04/22/15	JK

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

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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 PANEL DETAILS
AND GLAZING DETAIL

NO.	DATE	REVISIONS
4	8/14/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	7/27/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	08/02/17	UPDATE TO 6TH ED. (2017) FBC JK
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 02/20/12

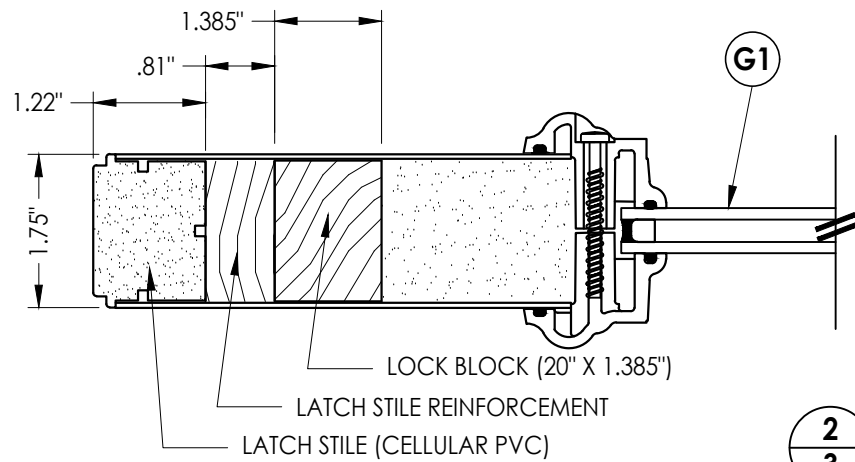
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DWG. BY: JK

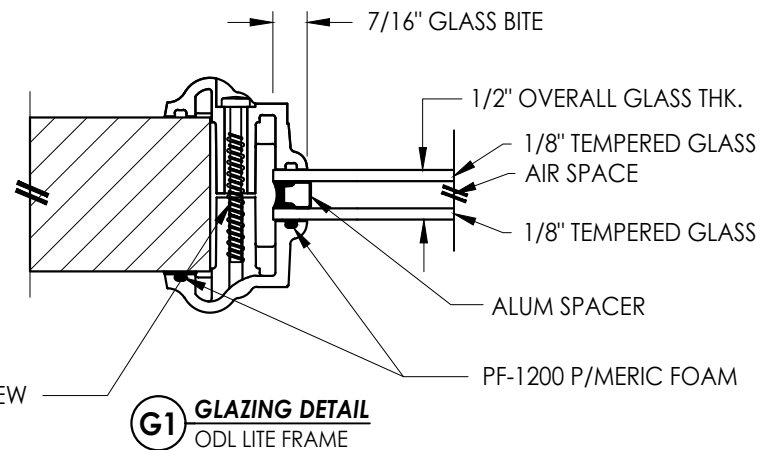
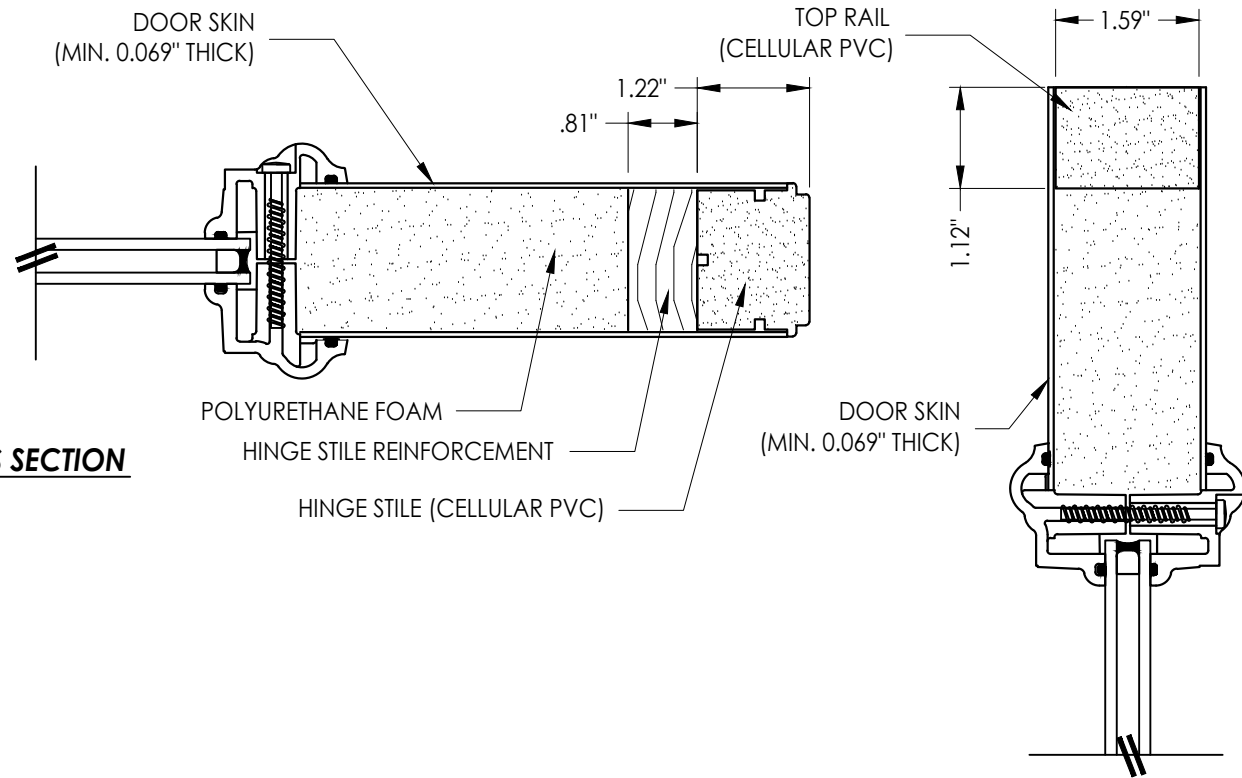
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DRAWING NO.: FL-15220.5

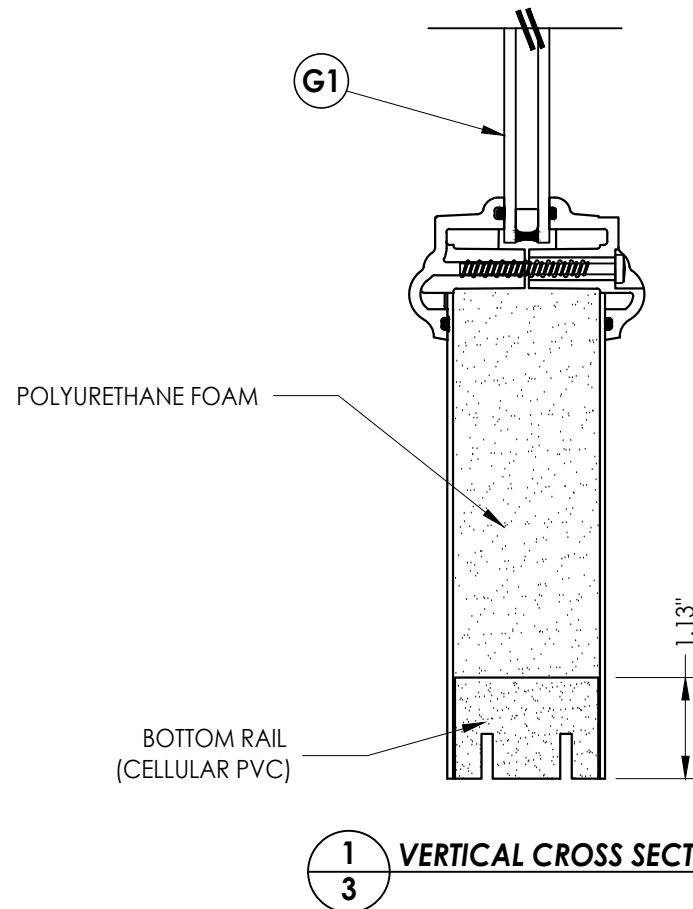
SHEET 2 OF 12



EXTERIOR
HORIZONTAL CROSS SECTION



EXTERIOR INTERIOR



1 VERTICAL CROSS SECTION

[illegible]

DATE: 02/20/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

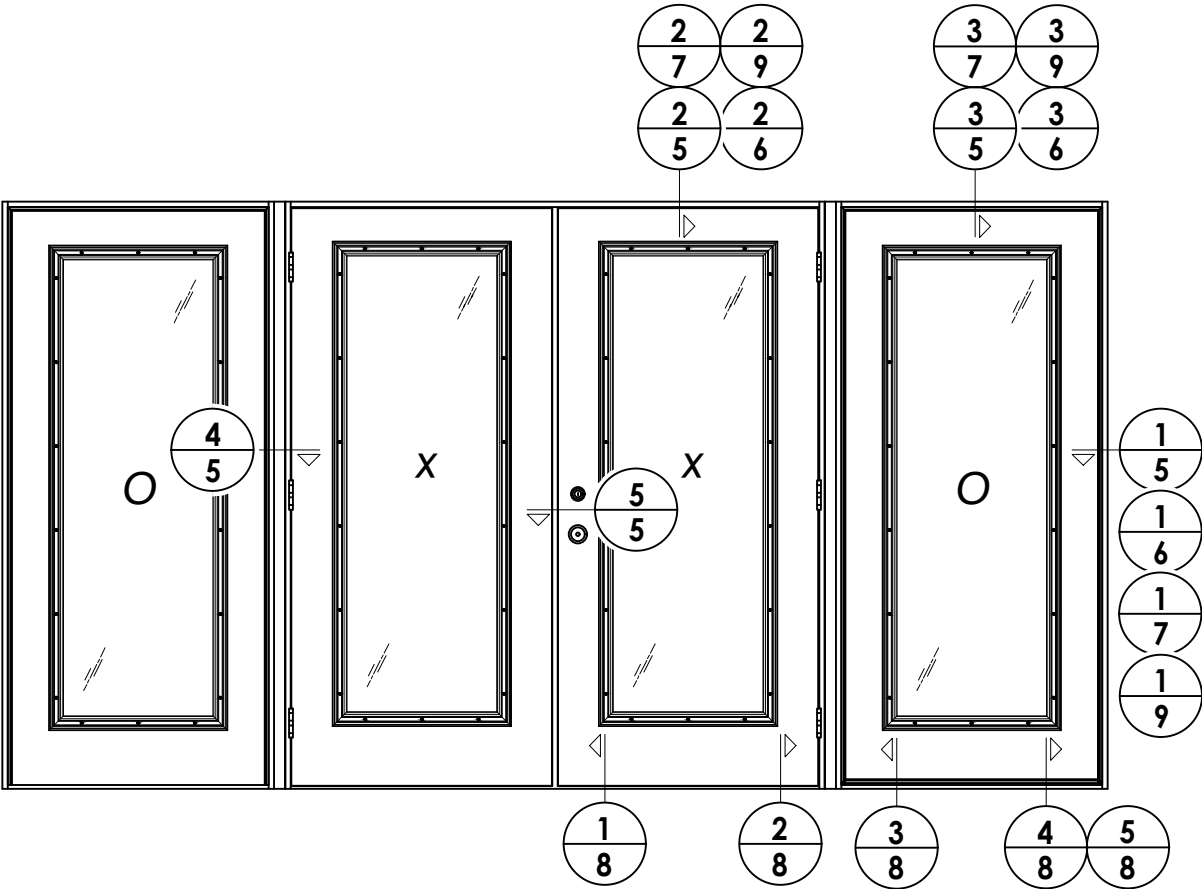
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FL-15220.5

SHEET 3 OF 12

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

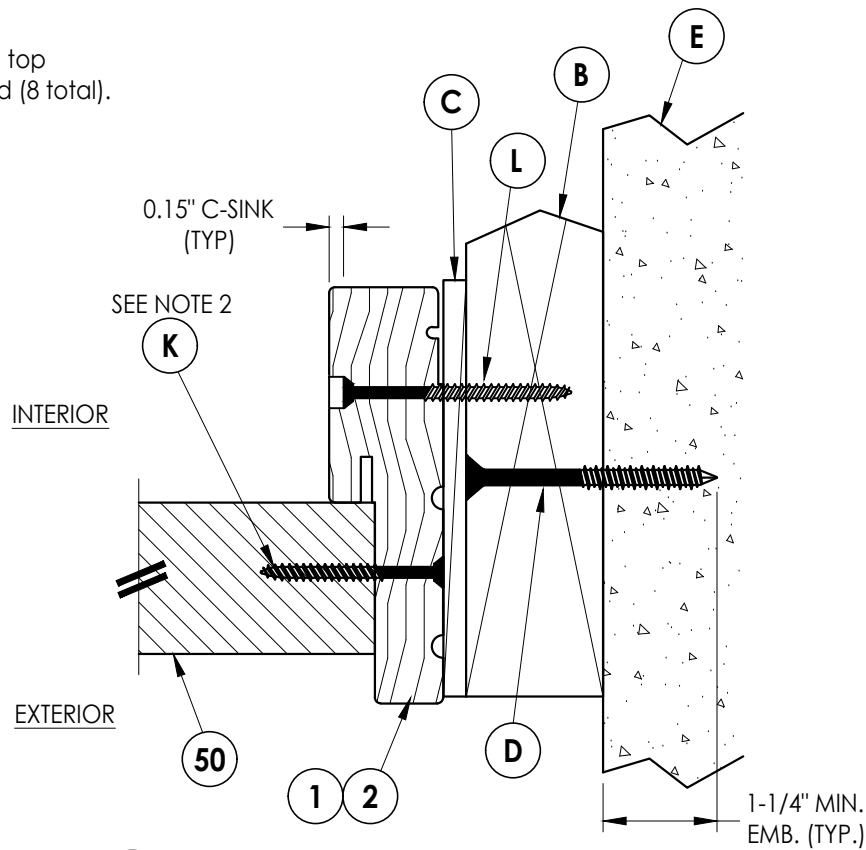
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



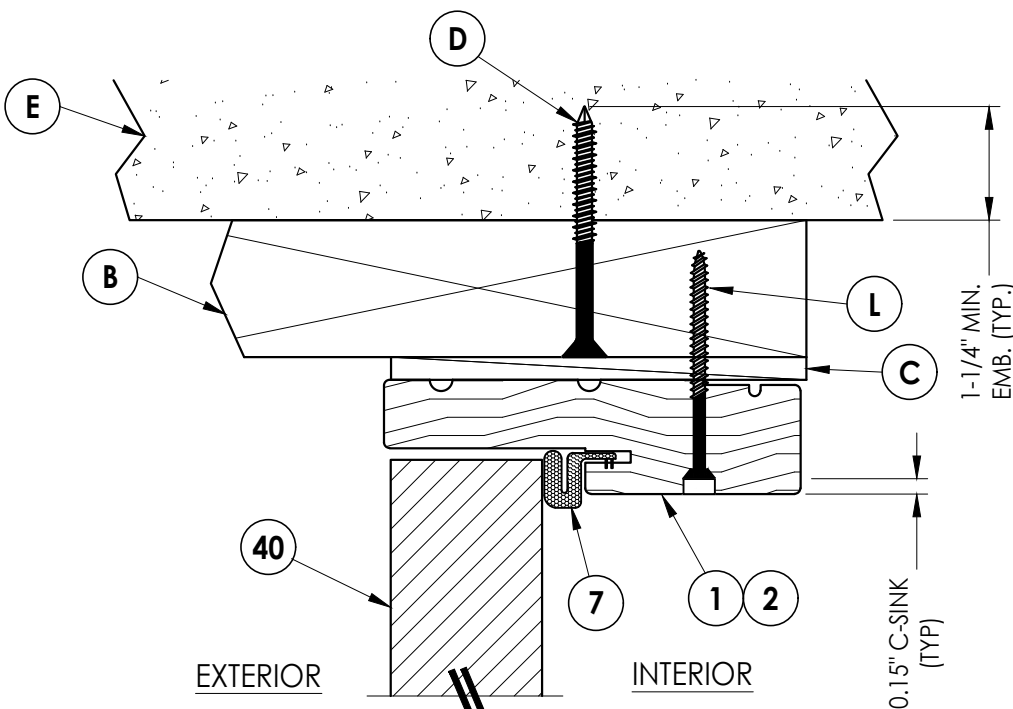
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CHK. BY: LFS				DWG. BY: JK		SCALE: N.T.S.	
NO. DATE				UPDATE TO 5TH ED. (2014) FBC		JK	
				UPDATE TO 6TH ED. (2017) FBC		JK	
				UPDATE TO 7TH ED. (2020) FBC		LFS	
				UPDATE TO 8TH ED. (2023) FBC		LFS	
				PRODUCT: PLASTPRO INC FIBERGLASS DOOR		PART OR ASSEMBLY: ELEVATIONS	
				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	

NOTES:

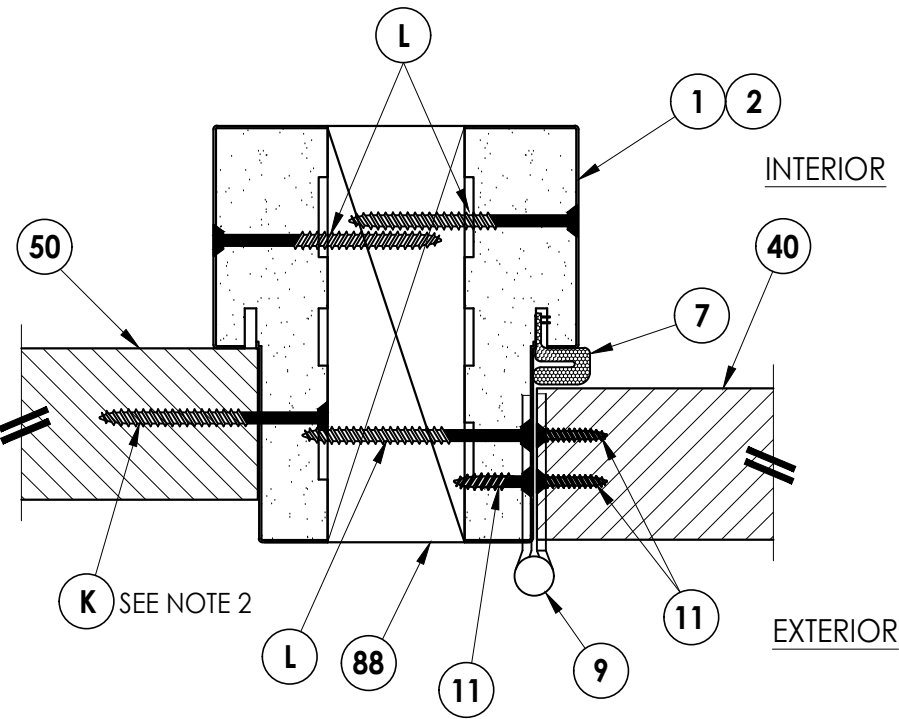
1. Spacing for item K: 6" from each end and at centerline (3 total).
2. Sidelite assembly screws located 6" from top and bottom then 6 more equally spaced (8 total).



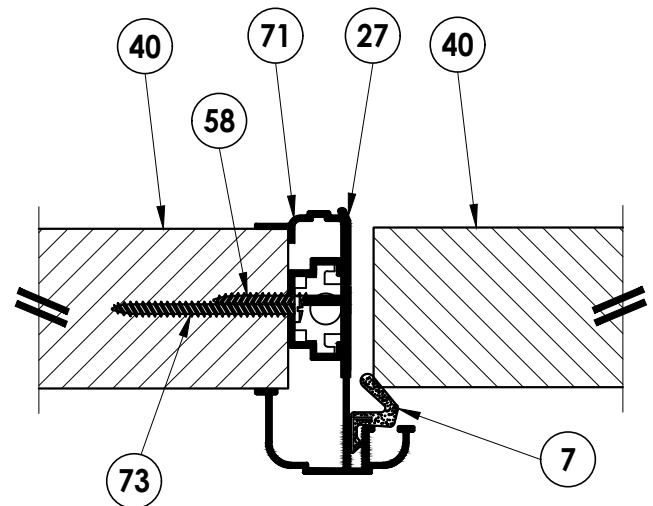
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5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



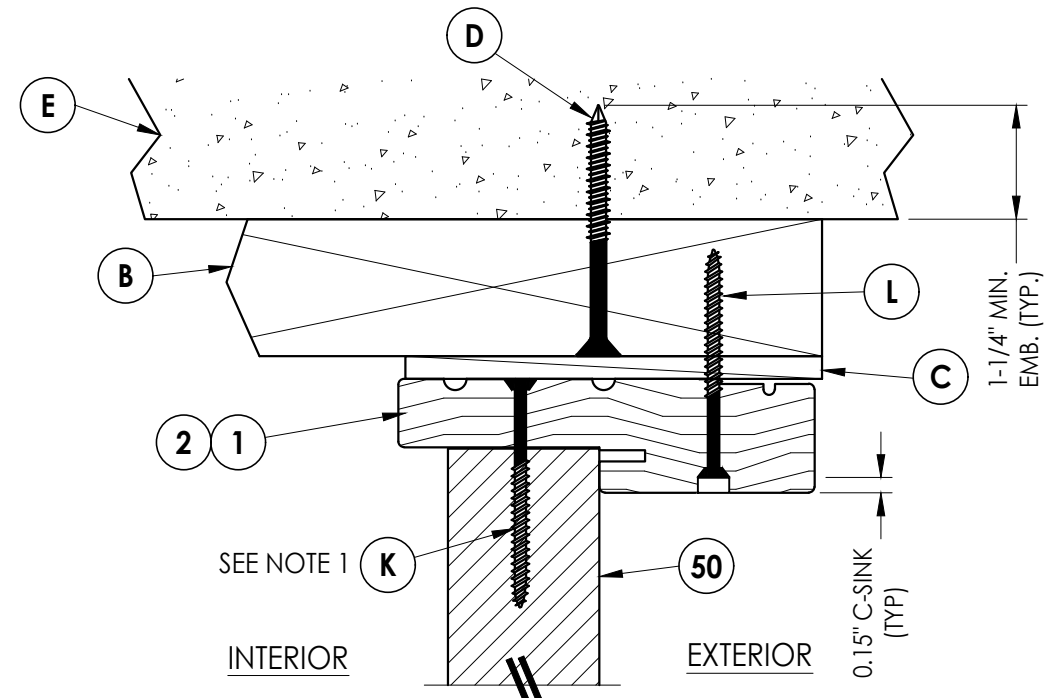
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5 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)



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



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



3
5 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)

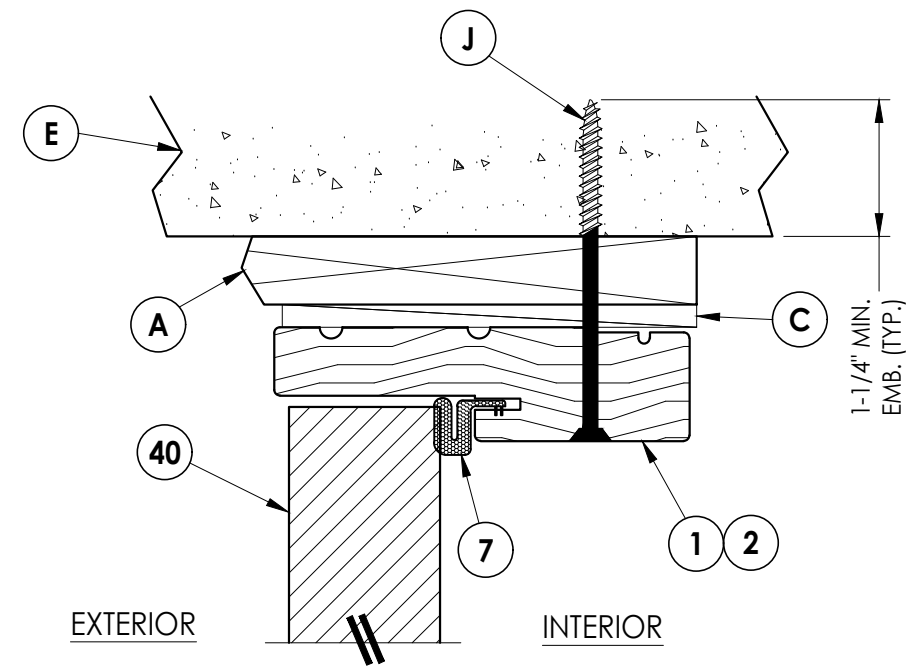
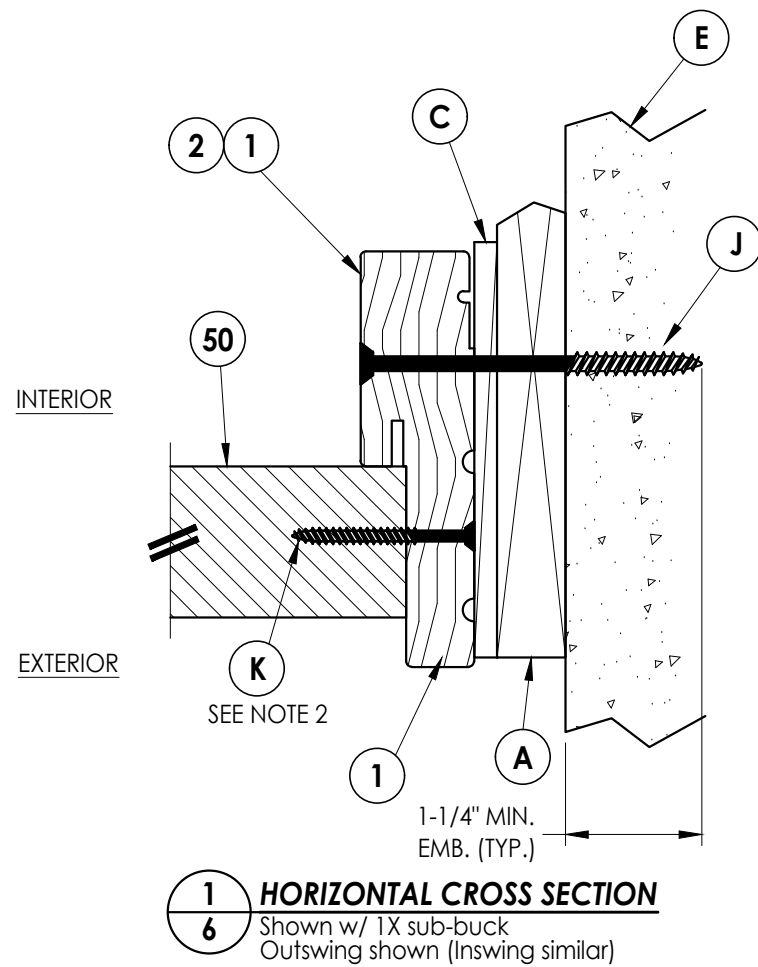
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
PLASTPRO INC
FIBERGLASS DOOR

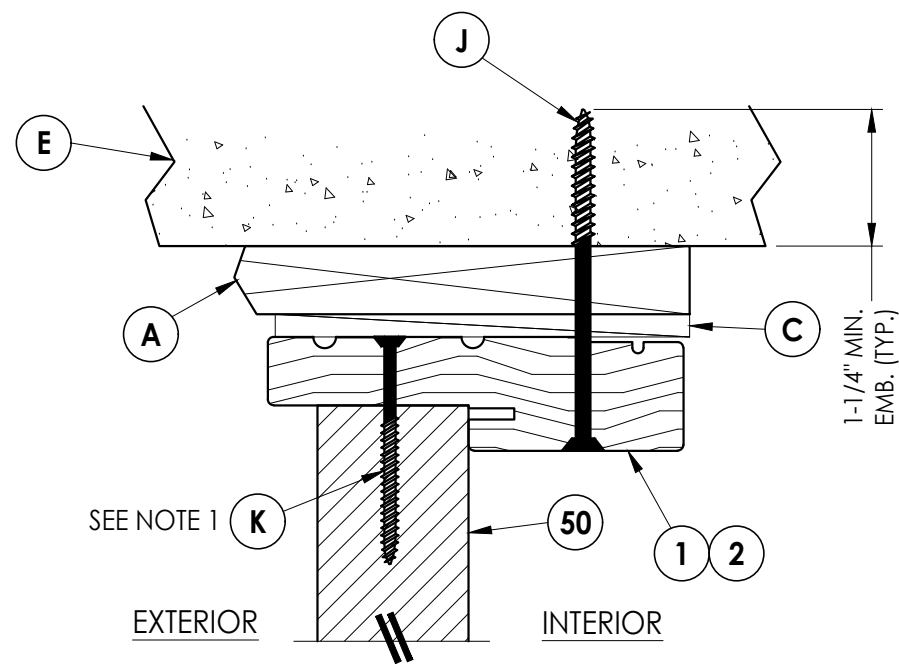
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3	7/27/20	UPDATE TO 7TH ED (2020) FBC	LFS
2	08/02/17	UPDATE TO 6TH ED. (2017) FBC	JK
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK
NO.	DATE	REVISIONS	

DATE: 02/20/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15220.5
SHEET 5 OF 12

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Phone No.: 813.659.9197
FBPE Registry No. 9813



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

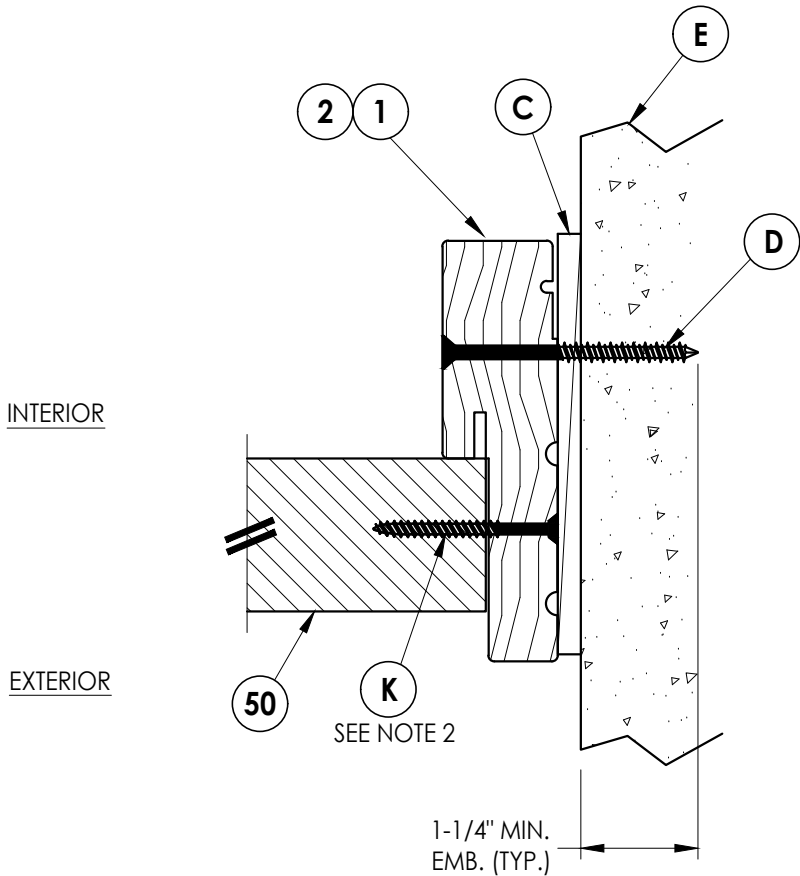


3 **VERTICAL CROSS SECTION**
6 Shown w/ 1X sub-buck
 Outswing shown (Inswing similar)

- NOTES:**
1. Spacing for item K: 6" from each end and at centerline (3 total).
 2. Sidelite assembly screws located 6" from top and bottom then 6 more equally spaced (8 total).

DATE: 02/20/12		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		PLASTPRO INC		Lyndon F. Schmidt	
DWG. BY: JK		FIBERGLASS DOOR		P.E. No. 43409	
CHK. BY: LFS		PART OR ASSEMBLY:		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DRAWING NO.: FL-15220.5		HORIZONTAL & VERTICAL			
SHEET 6 OF 12		CROSS SECTIONS (1X BUCK)			
REVISONS					
NO.	DATE				
4	8/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	7/27/20	UPDATE TO 7TH ED (2020)	FBC	LFS	
2	08/02/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
				BY	

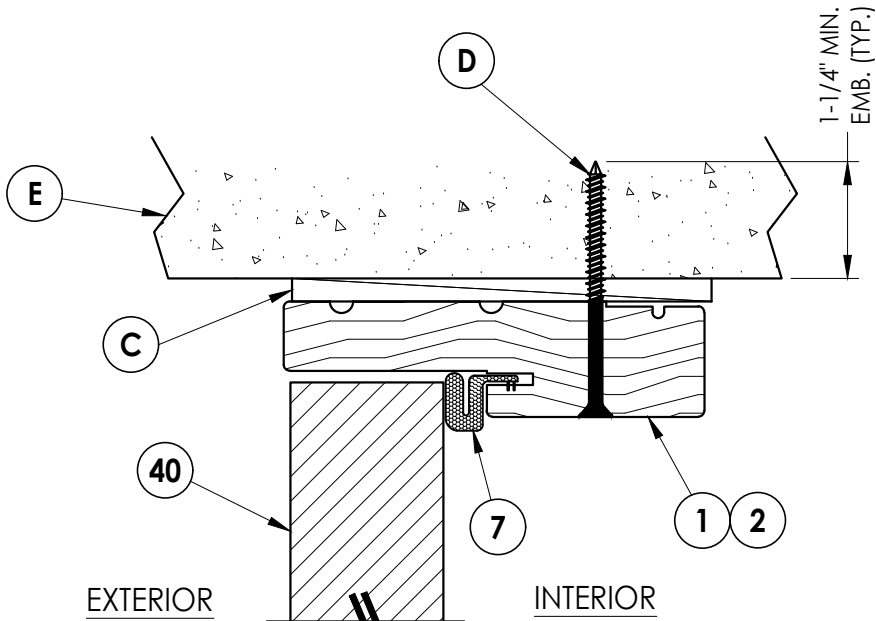
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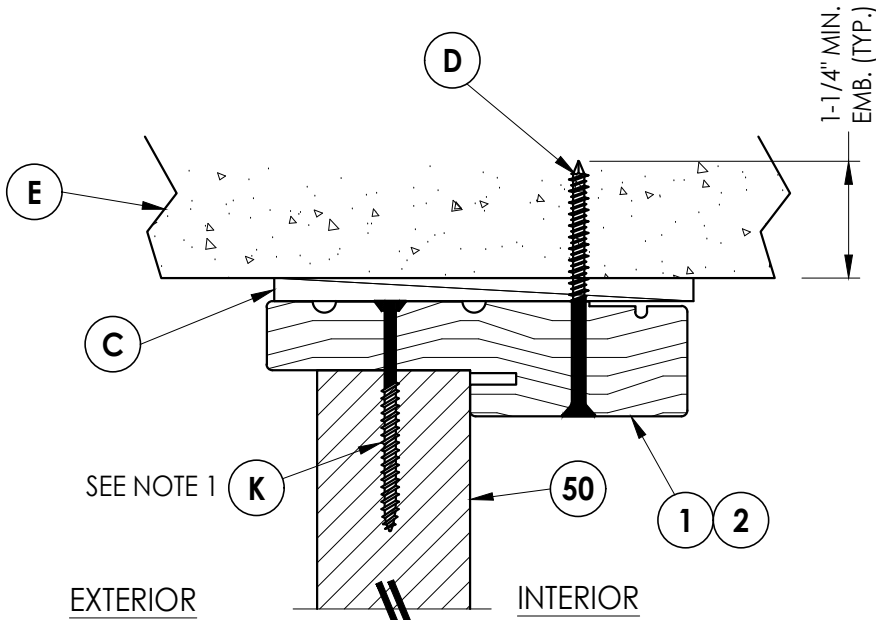
1
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

NOTES:

1. Spacing for item K: 6" from each end and at centerline (3 total).
2. Sidelite assembly screws located 6" from top and bottom then 6 more equally spaced (8 total).



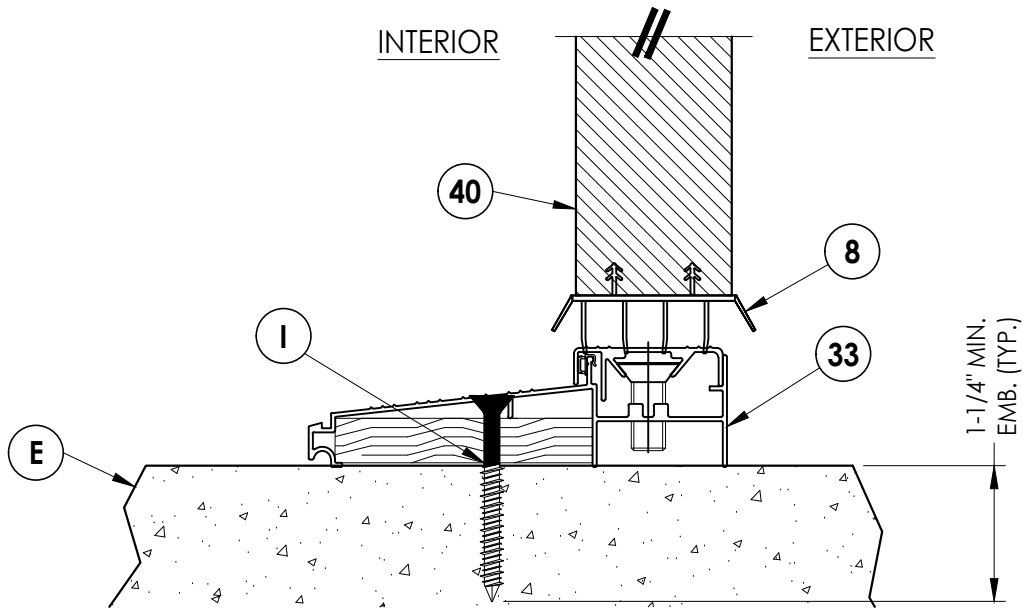
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7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



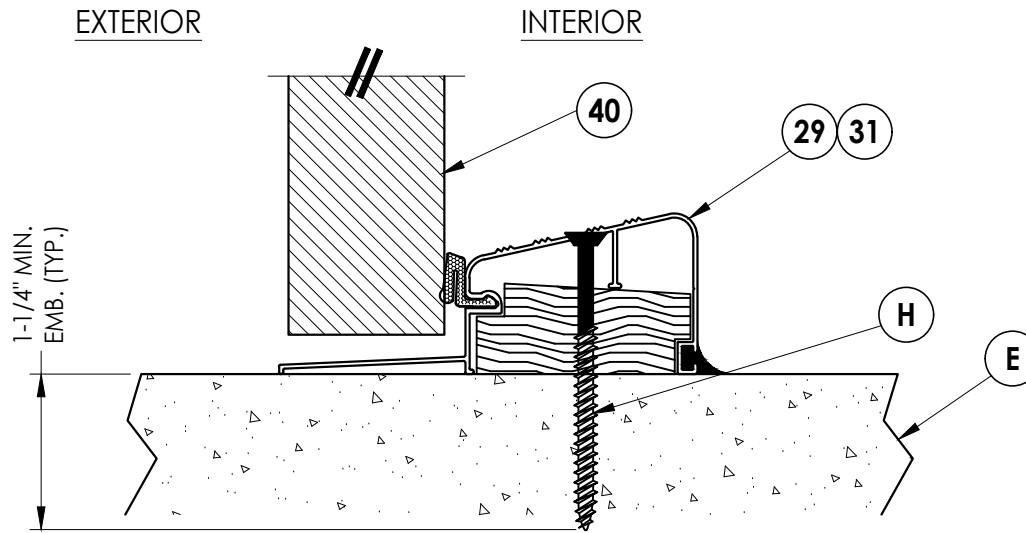
3
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

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	
PRODUCT:		PLASTPRO INC FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)	
		REVISIONS			
		NO.	DATE	BY	
		4	8/14/23	UPDATE TO 8TH ED. (2023)	FBC LFS
		3	7/27/20	UPDATE TO 7TH ED (2020)	FBC LFS
		2	08/02/17	UPDATE TO 6TH ED. (2017)	FBC JK
		1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC JK
DATE:		02/20/12			
SCALE:		N.T.S.			
DWG. BY:		JK			
CHK. BY:		LFS			
DRAWING NO.:		FL-15220.5			
SHEET		7	OF		12

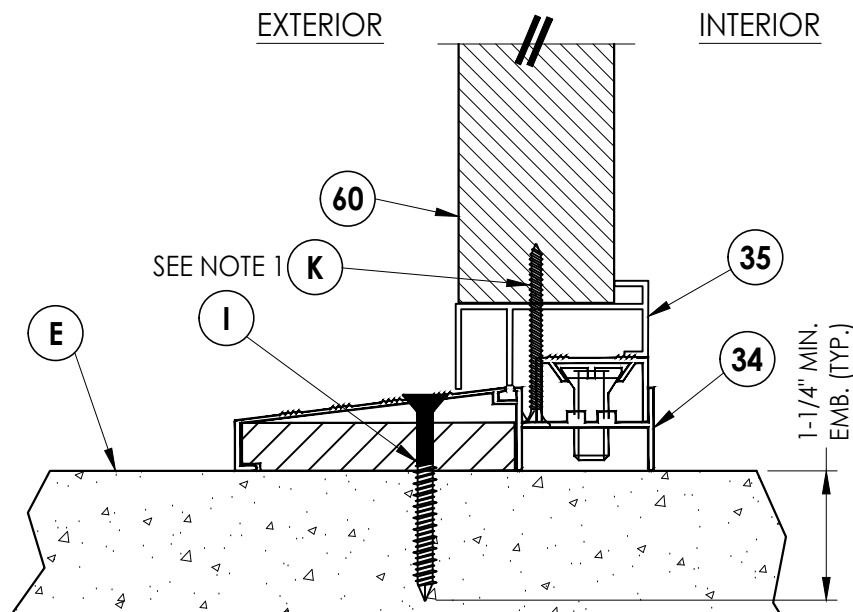
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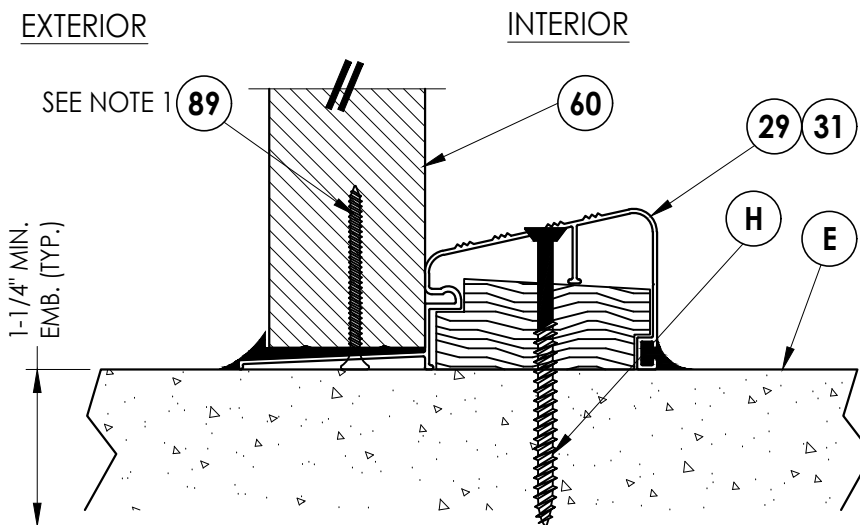
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8 **VERTICAL CROSS SECTION**
Outswing configuration



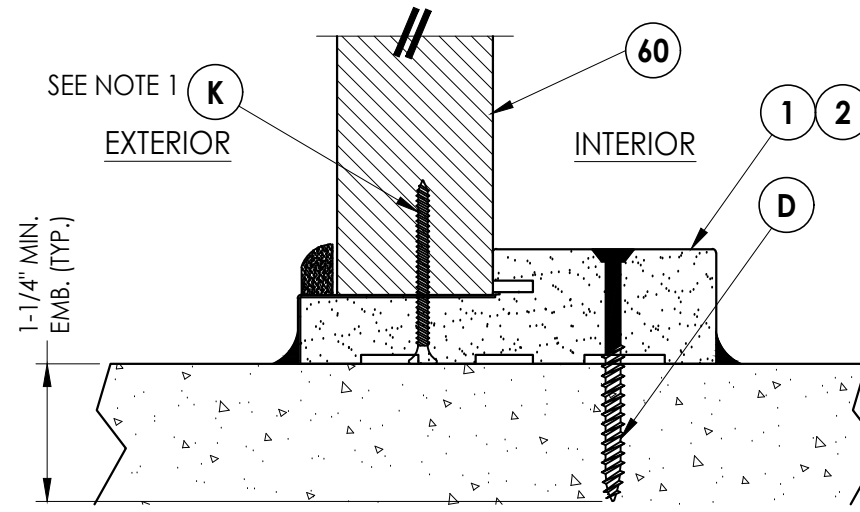
2
8 **VERTICAL CROSS SECTION**
ADA Threshold



3
8 **VERTICAL CROSS SECTION**
Inswing configuration



4
8 **VERTICAL CROSS SECTION**
Outswing configuration



5
8 **VERTICAL CROSS SECTION**
Inswing configuration

NOTE

1. Spacing for item K: 6" from each end and at centerline (3 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)

NO.	DATE	REVISIONS	BY
4	8/14/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	7/27/20	UPDATE TO 7TH ED (2020) FBC	LFS
2	08/02/17	UPDATE TO 6TH ED. (2017) FBC	JK
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 02/20/12

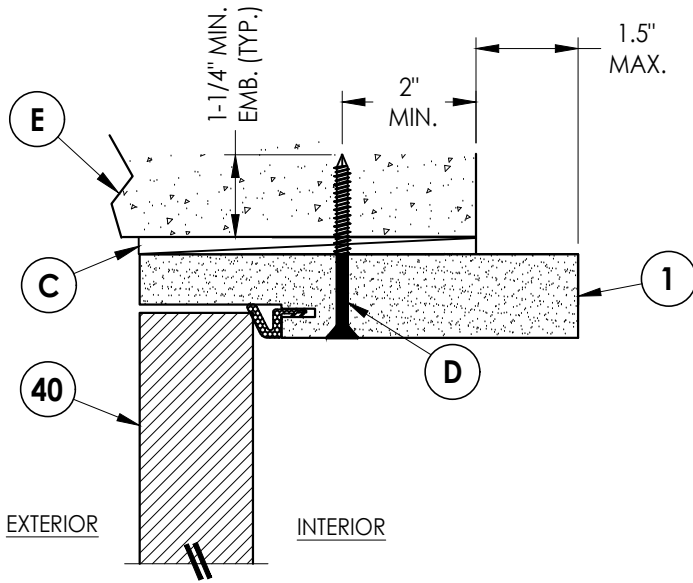
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DWG. BY: JK

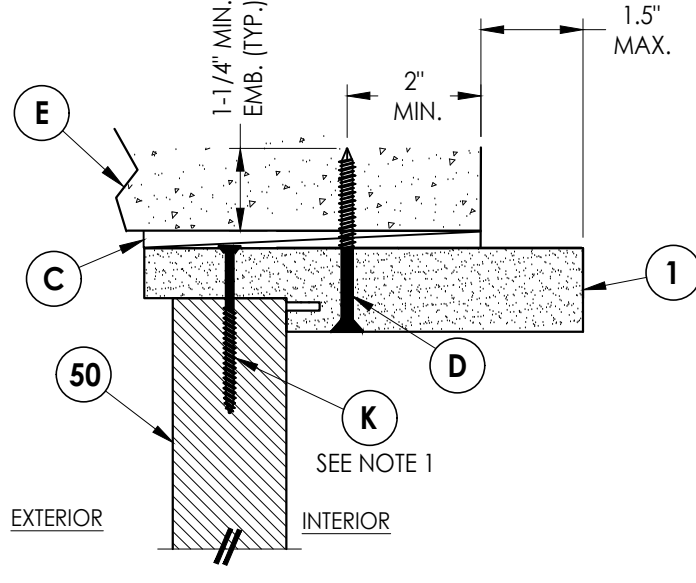
CHK. BY: LFS

DRAWING NO.:
FL-15220.5

SHEET 8 OF 12



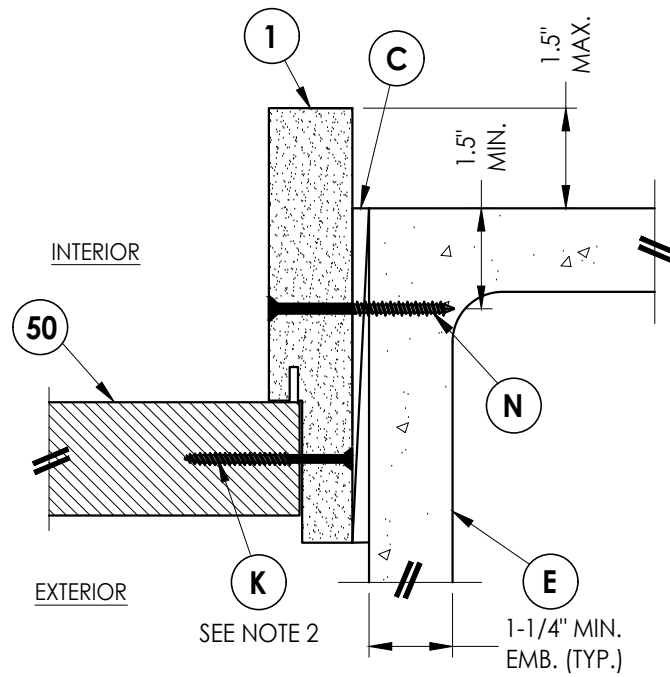
2 **VERTICAL CROSS SECTION**
9 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb



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

NOTES:

1. Spacing for item K: 6" from each end and at centerline (3 total).
2. Sidelite assembly screws located 6" from top and bottom then 6 more equally spaced (8 total).



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

4	8/14/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
3	7/27/20	UPDATE TO 7TH ED	(2020)	FBC	LFS
2	08/02/17	UPDATE TO 6TH ED.	(2017)	FBC	JK
1	04/22/15	UPDATE TO 5TH ED.	(2014)	FBC	JK
NO	DATE				
					REVISIONS

DATE: 02/20/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15220.5

SHEET 9 OF 12

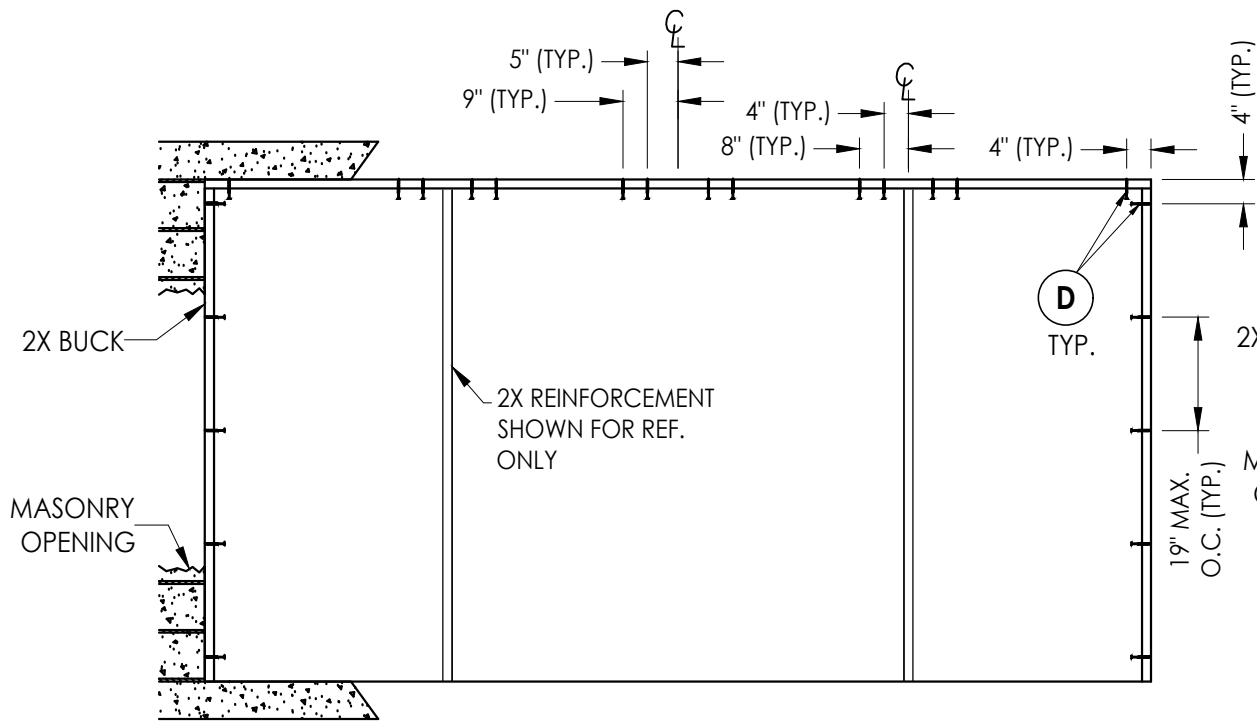
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
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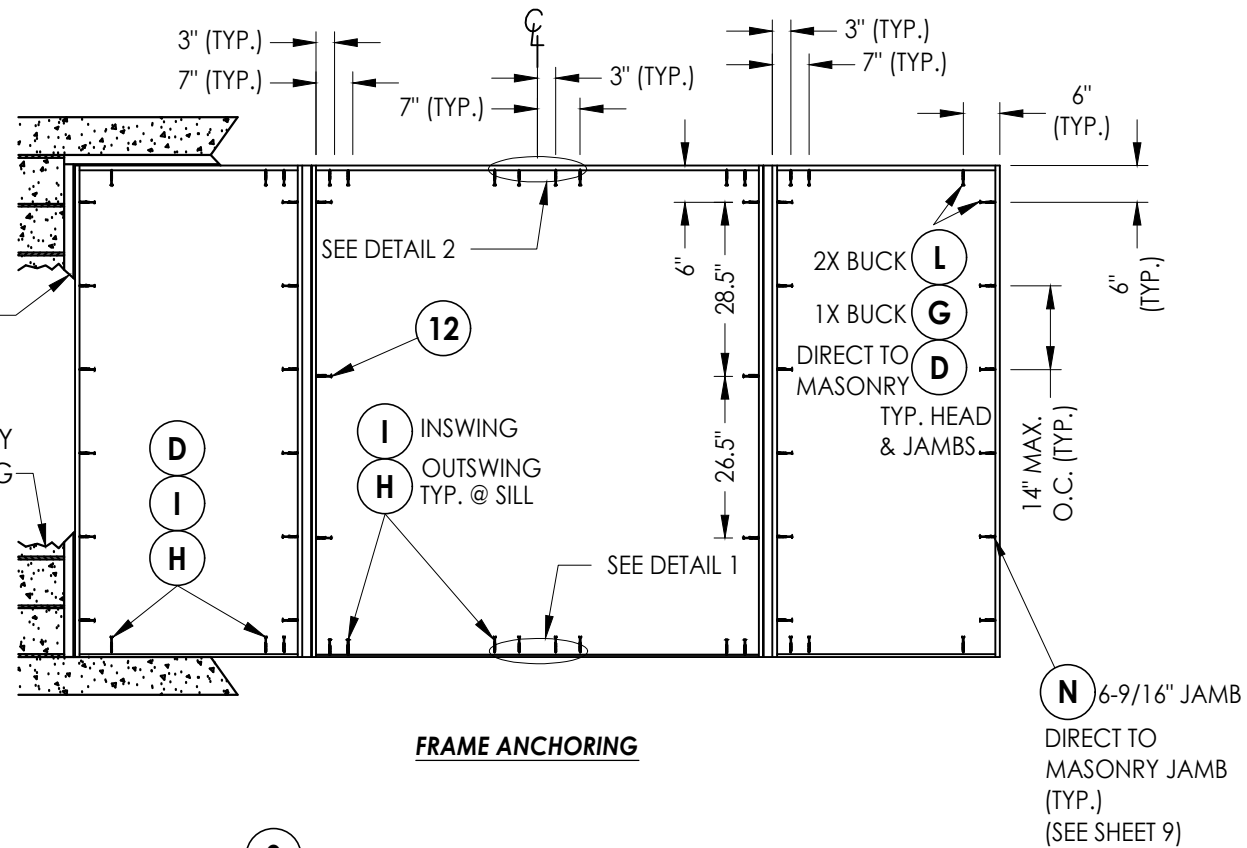
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

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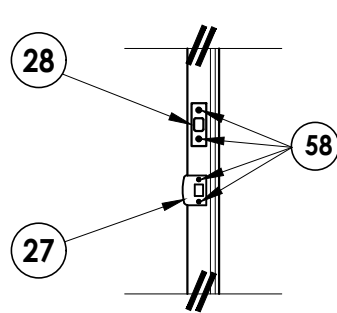
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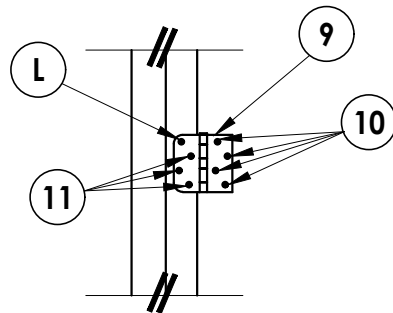
BUCK ANCHORING



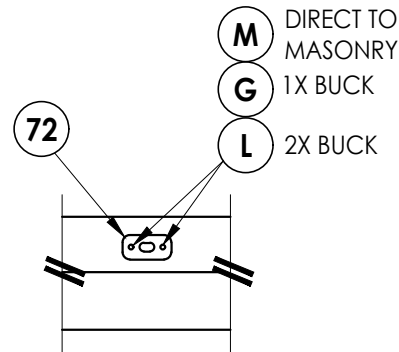
FRAME ANCHORING



LATCH & DEAD BOLT DETAIL

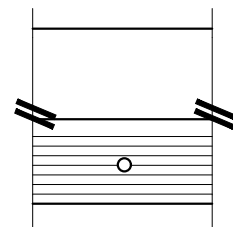


HINGE DETAIL



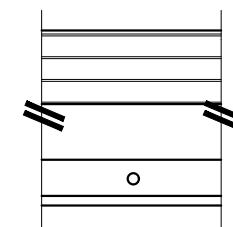
DETAIL 2

Attach astragal throw bolt strike plate to frame as shown



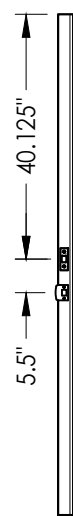
DETAIL 1

Astragal throw bolts at the threshold (Outswing)

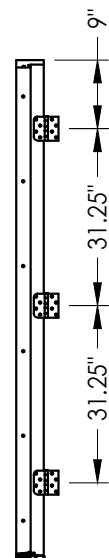


DETAIL 1

Astragal throw bolts at the threshold (Inswing)



ASTRAGAL STRIKE JAMB



HINGE JAMB

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 ULTRA CON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

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

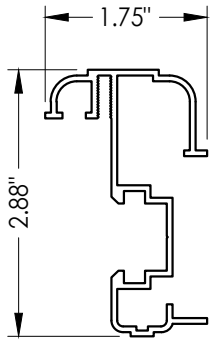
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

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

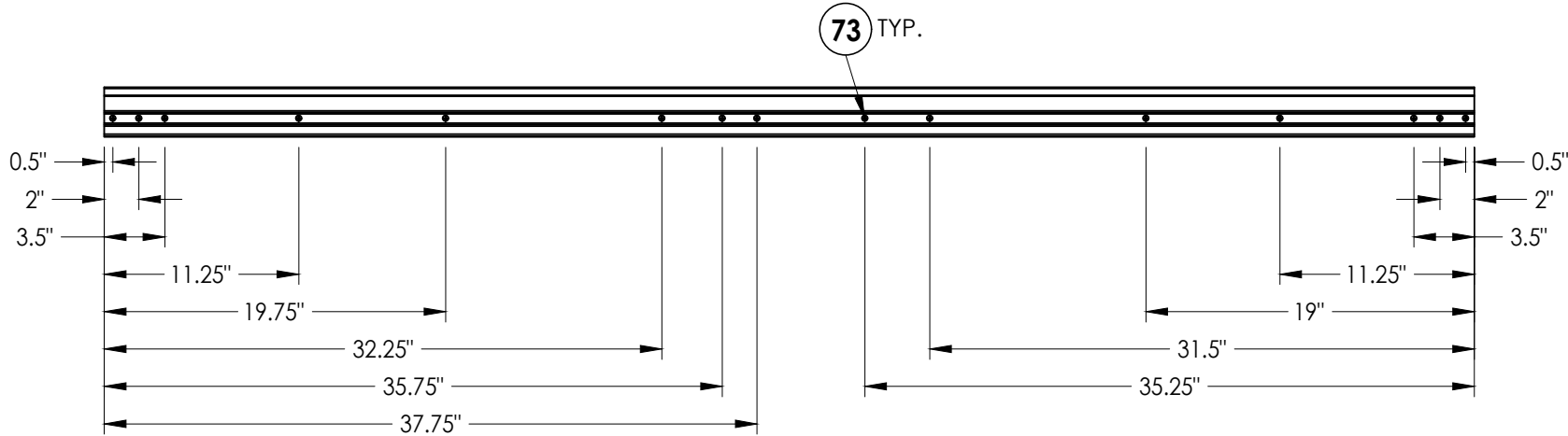
PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING

NO.	DATE	REVISIONS
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1	04/22/15	UPDATE TO 5TH ED. (2014) FBC
DATE:	02/20/12	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	FL-15220.5	
SHEET	10	OF 12

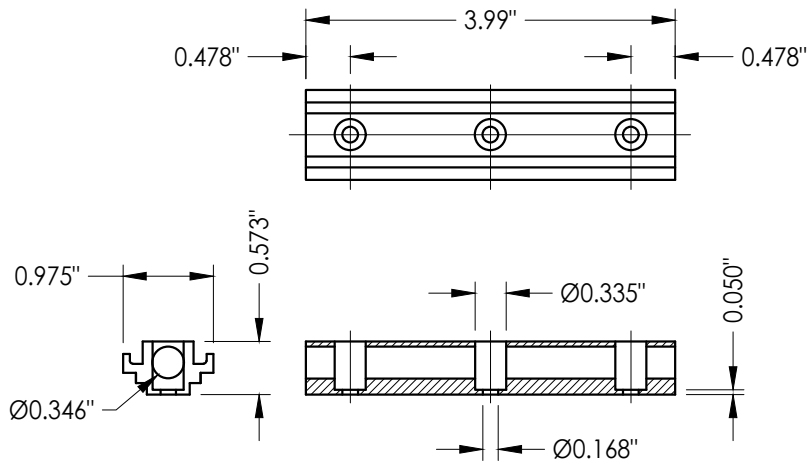
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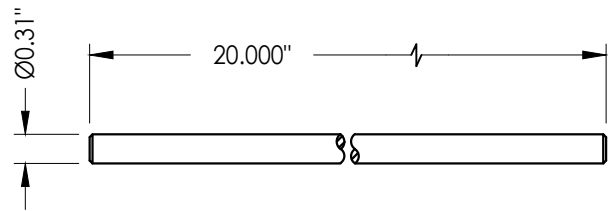
71 ASTRAGAL
DLP



ASTRAGAL SCREW LOCATIONS



74 CONCEALED STIFFENER



77 SLIDE BOLT ROD
Typ. top & bottom
of astragal
top through 1.98"
bottom through 1.98"

NO.	DATE	REVISIONS			
		DATE	BY	JK	LFS
4	8/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
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1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK	

DATE:	02/20/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15220.5
SHEET	11 OF 12

PRODUCT:	PLASTPRO INC FIBERGLASS DOOR
PART OR ASSEMBLY:	ASTRAGAL DETAILS

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