



LOS ANGELES, CA 90045

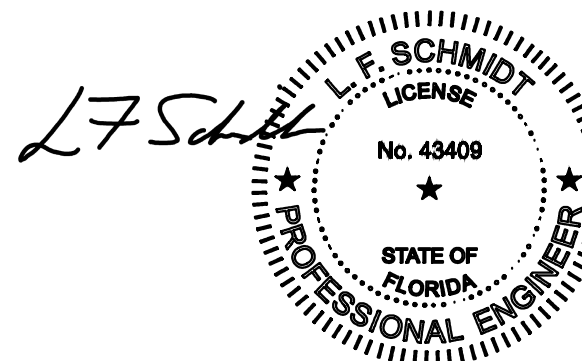
Series N Fiberglass Door

"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 outside of the "HVHZ" 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.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Sidelite panel details and glazing detail
4	Elevations
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 and frame anchoring
11	Bill of materials & components



Digitally signed by Lyndon F Schmidt
Date: 2023.08.14 13:46:11 -04'00'

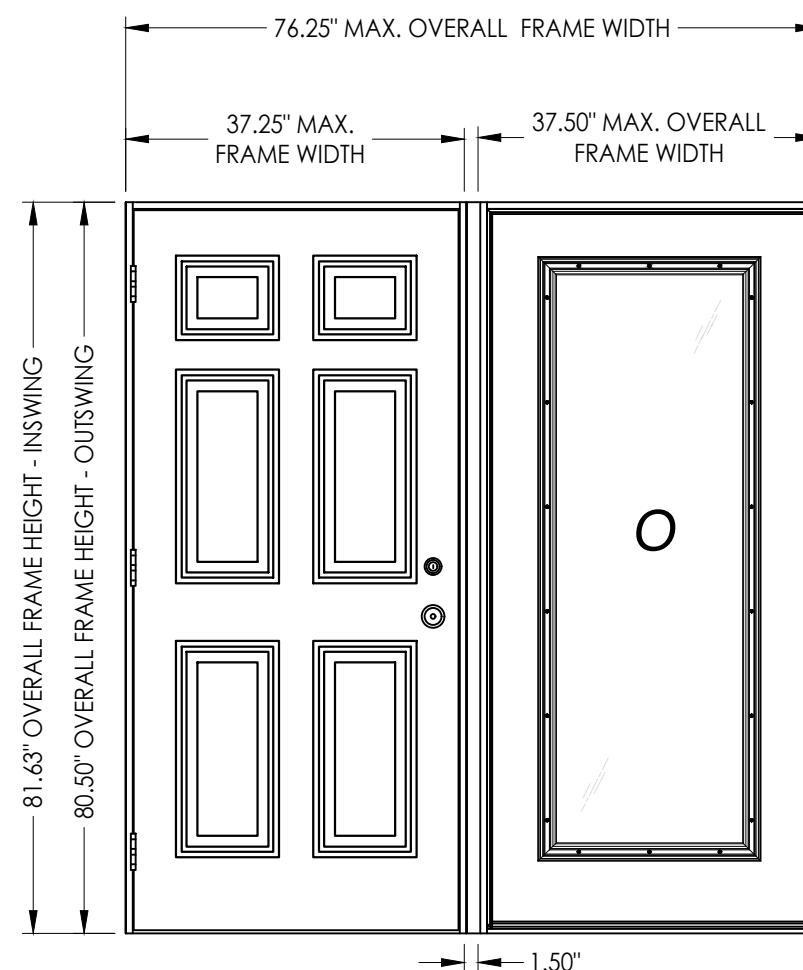
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.

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

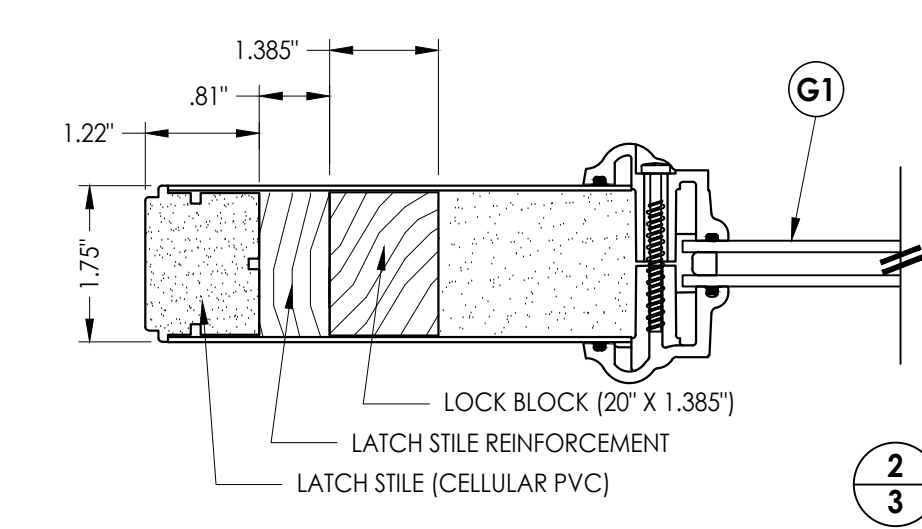
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



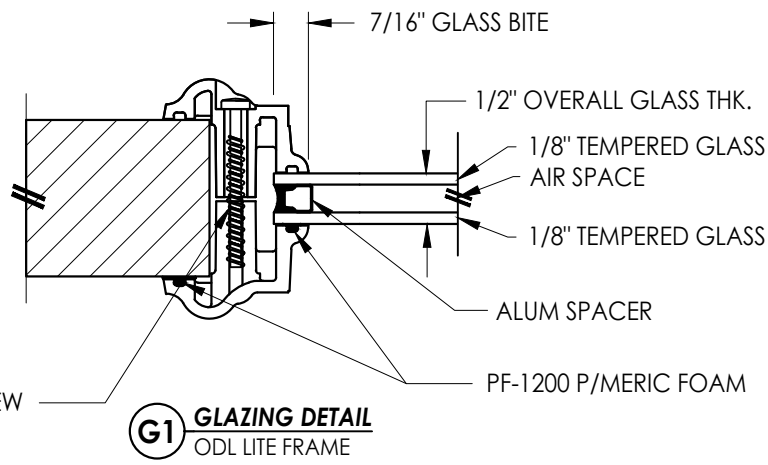
OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
76.25" X 81.63"	20.50" X 62.75"	G1	+50.0	-50.0

DATE: 02/20/12		PRODUCT: PLASTPRO INC FIBERGLASS DOOR	
SCALE: N.T.S.		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15220.7			
SHEET 1 OF 11			

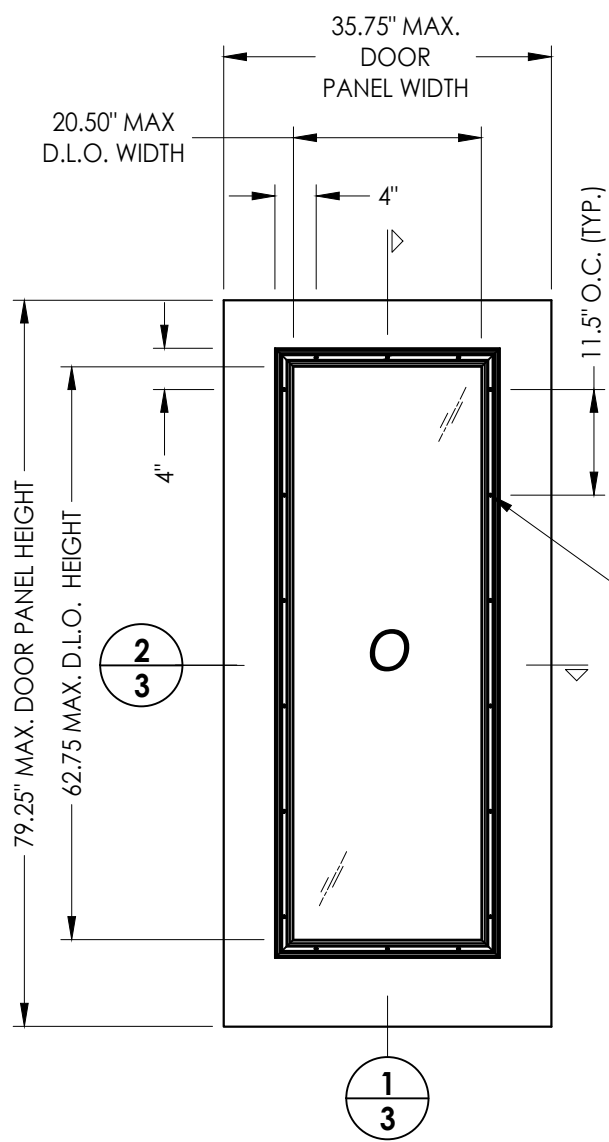
Z:\2023 FBC Drawings\Plastpro\FL-15220 R5\FL-15220.7.dwg



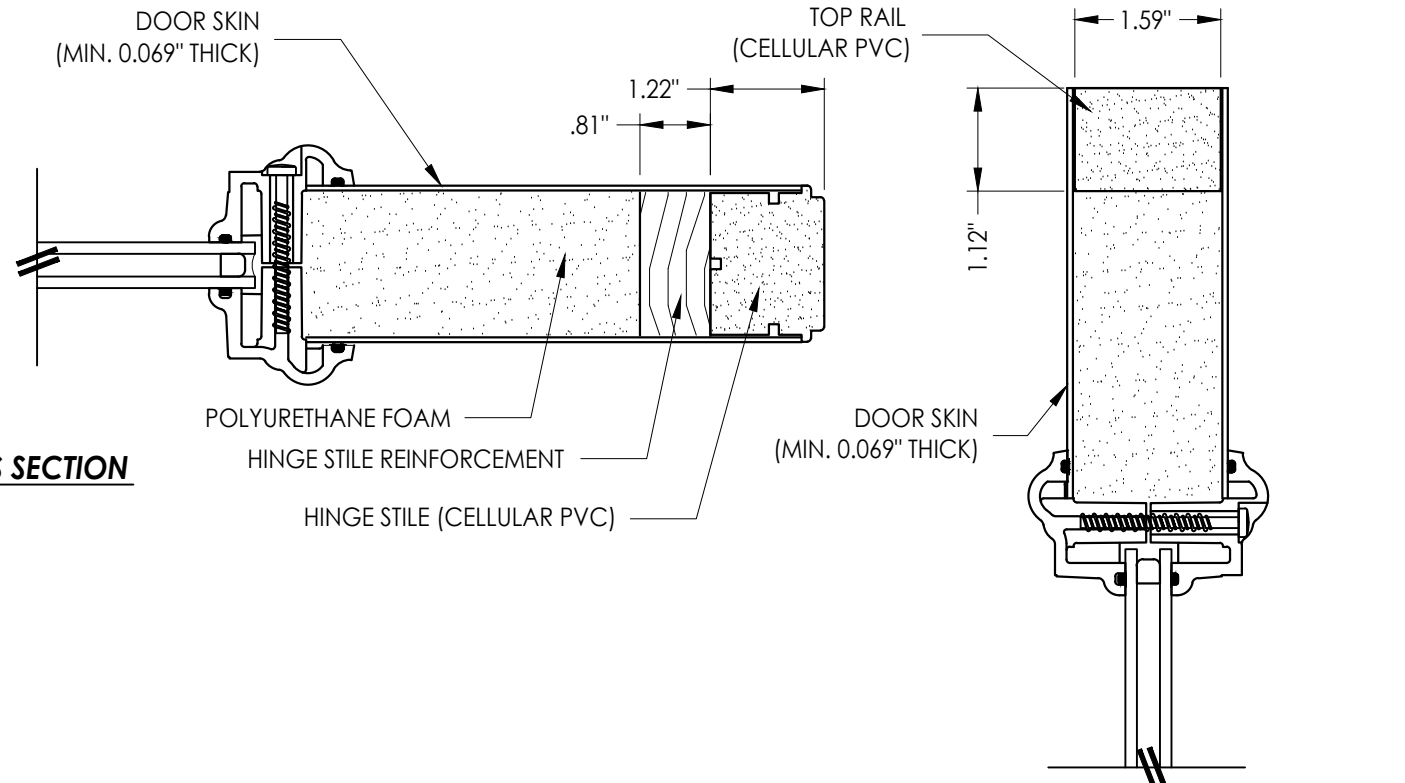
2
3 **HORIZONTAL CROSS SECTION**



G1 **GLAZING DETAIL**
ODL LITE FRAME

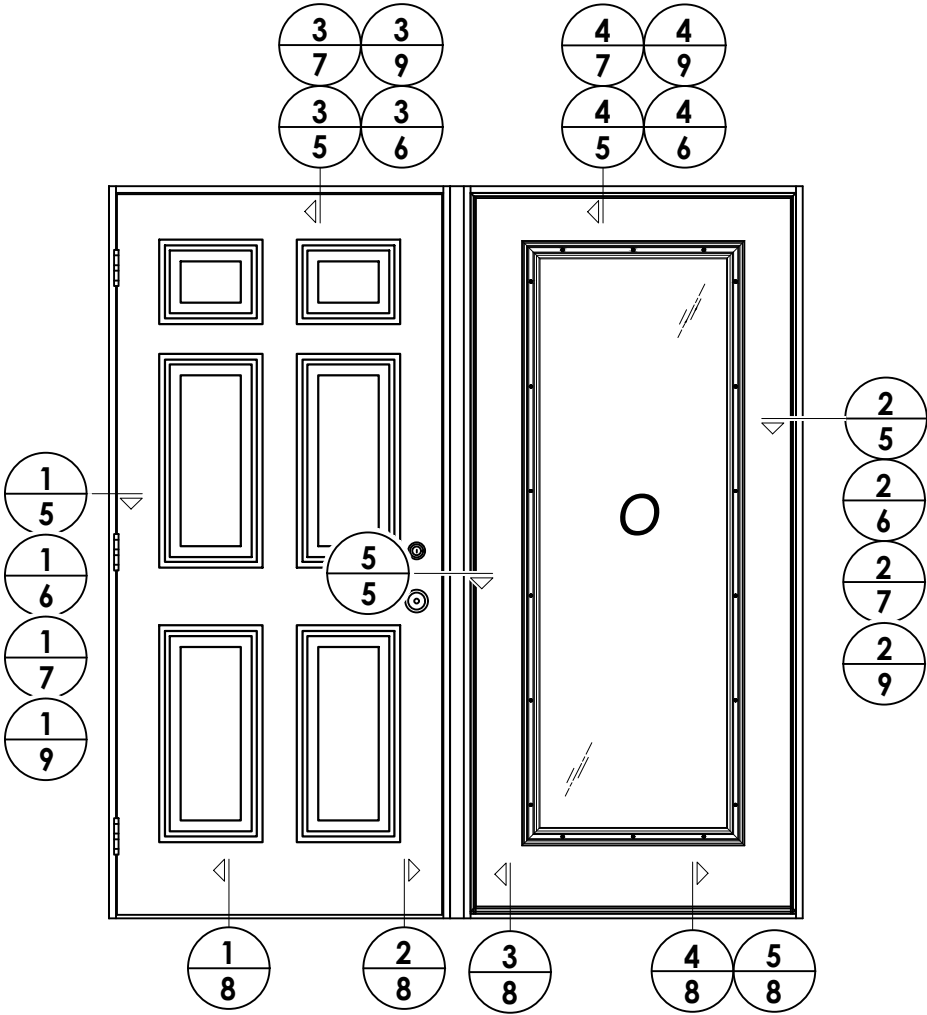


60 **SIDELITE PANEL**



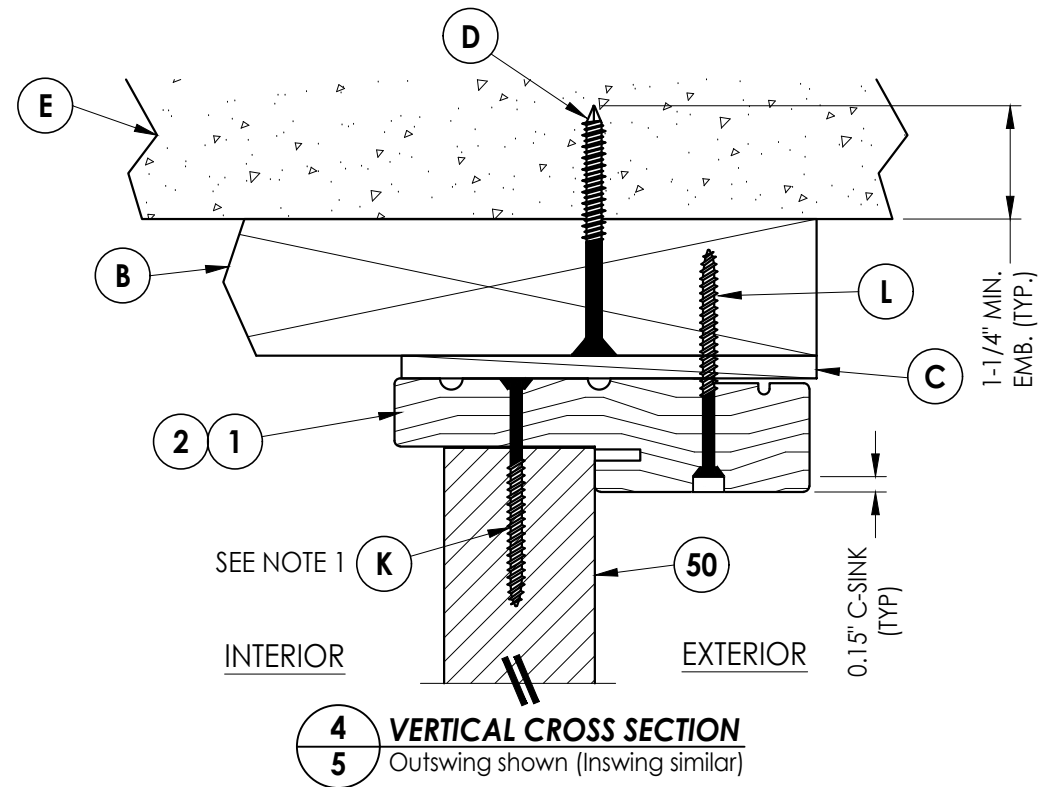
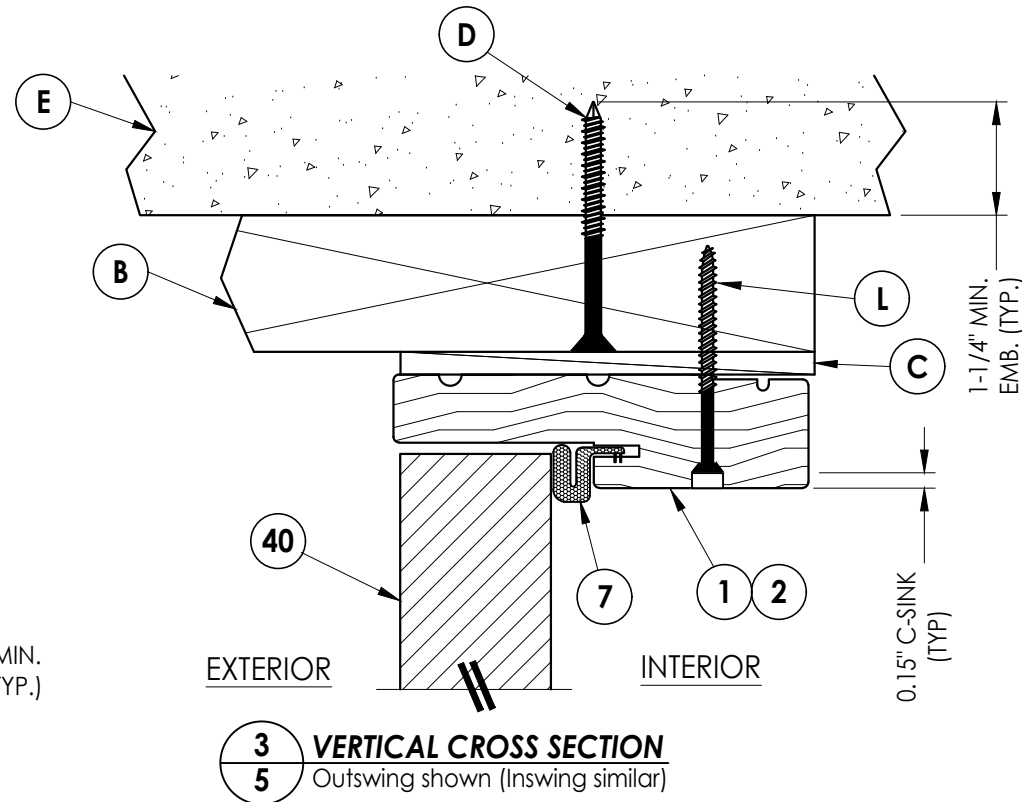
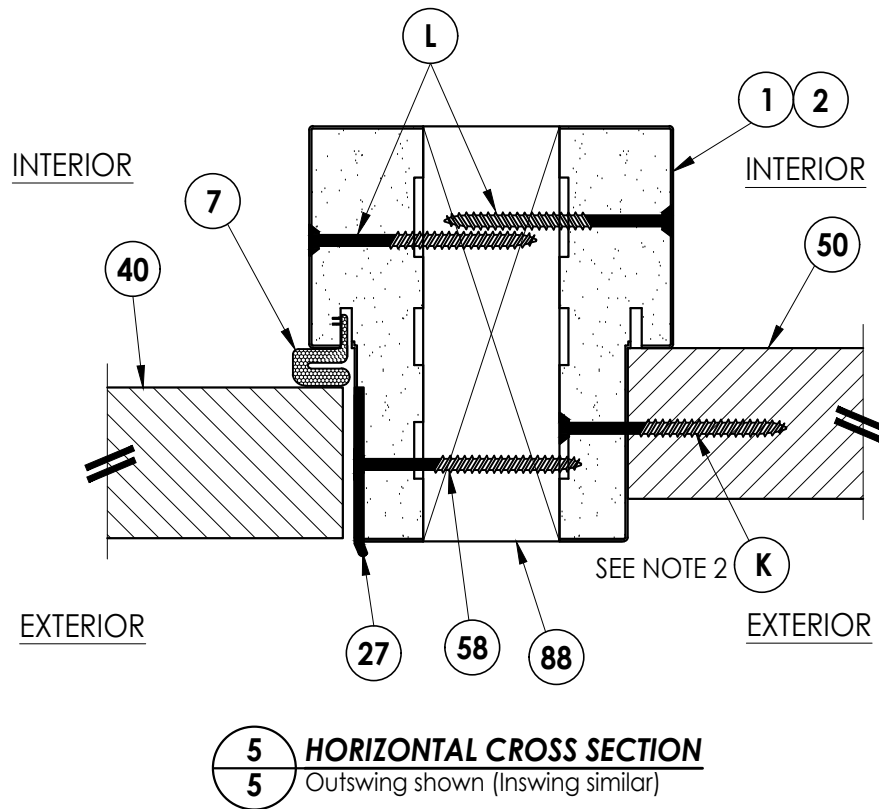
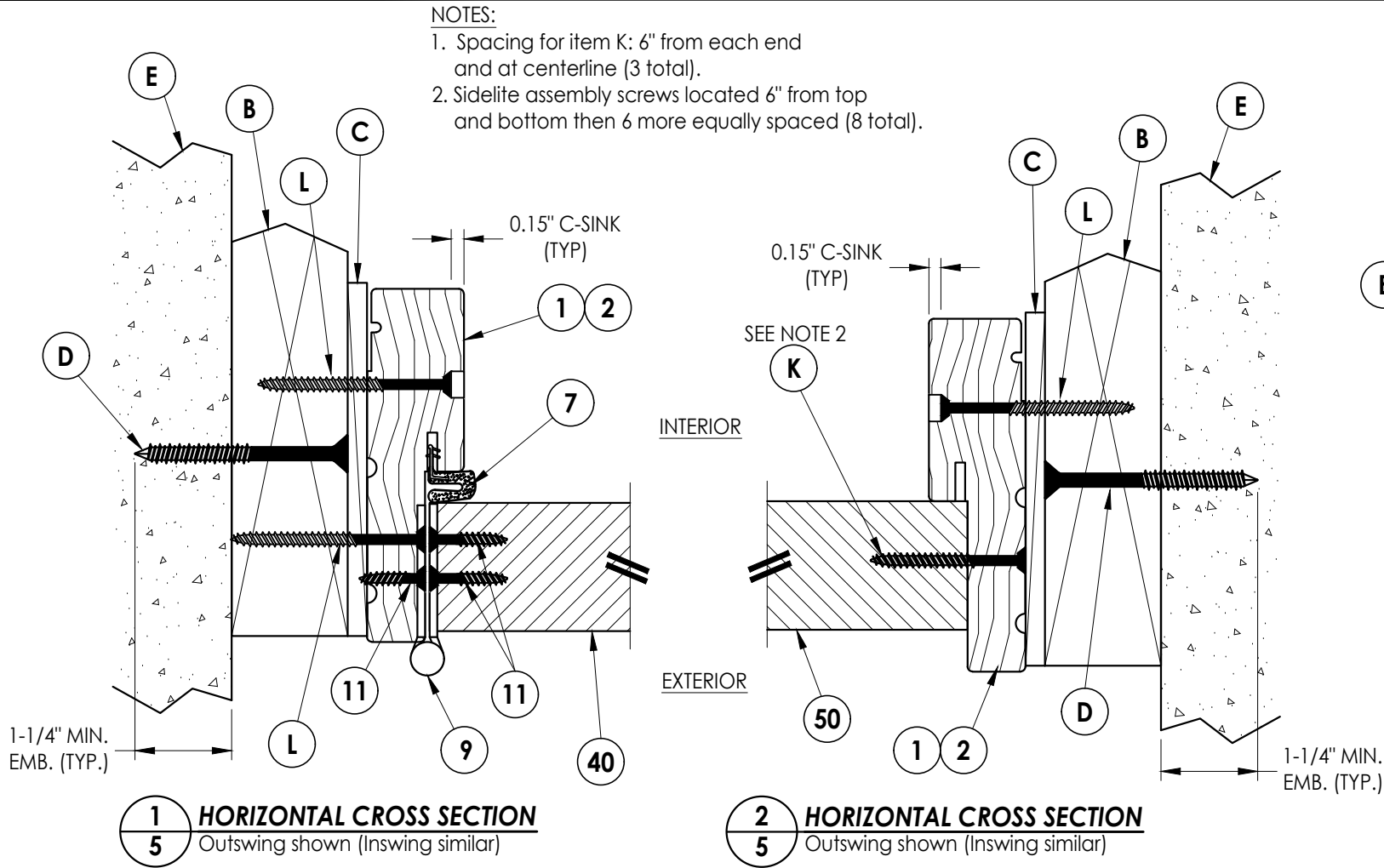
1
3 **VERTICAL CROSS SECTION**

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 AND GLAZING DETAIL			
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			BY			
				REVISIONS			
DATE: 02/20/12							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-15220.7							
SHEET 3 OF 11							



DATE: 02/20/12		PRODUCT: PLASTPRO INC FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: ELEVATION		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-15220.7					
SHEET 4 OF 11					

Z:\2023 FBC Drawings\Plastpro\FL-15220 R5\FL-15220.7.dwg



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

PRODUCT:
PLASTPRO INC
FIBERGLASS DOOR

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

DATE: 02/20/12

SCALE: N.T.S.

DWG. BY: JK

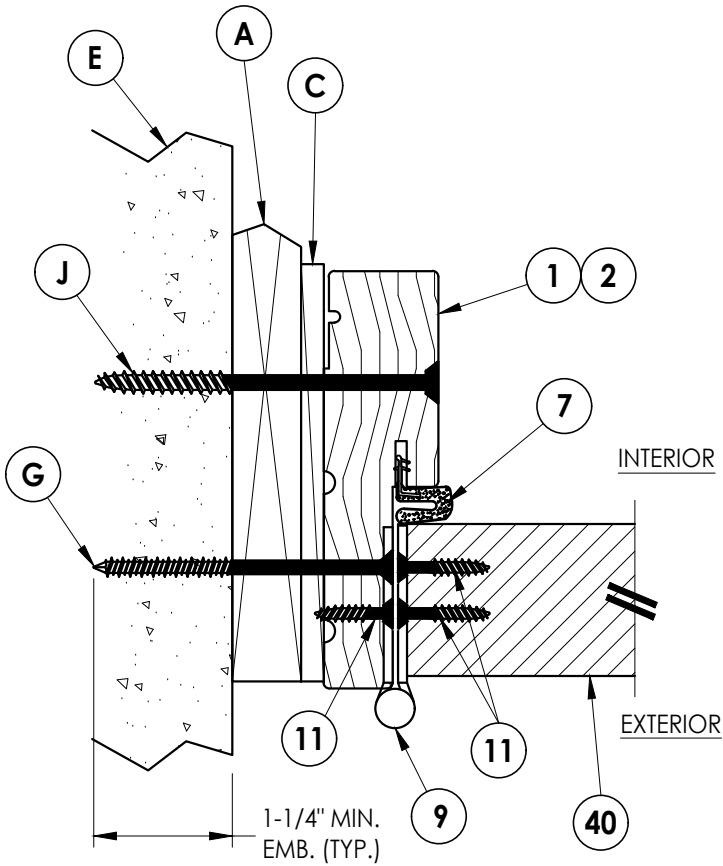
CHK. BY: LFS

DRAWING NO.:
FL-15220.7

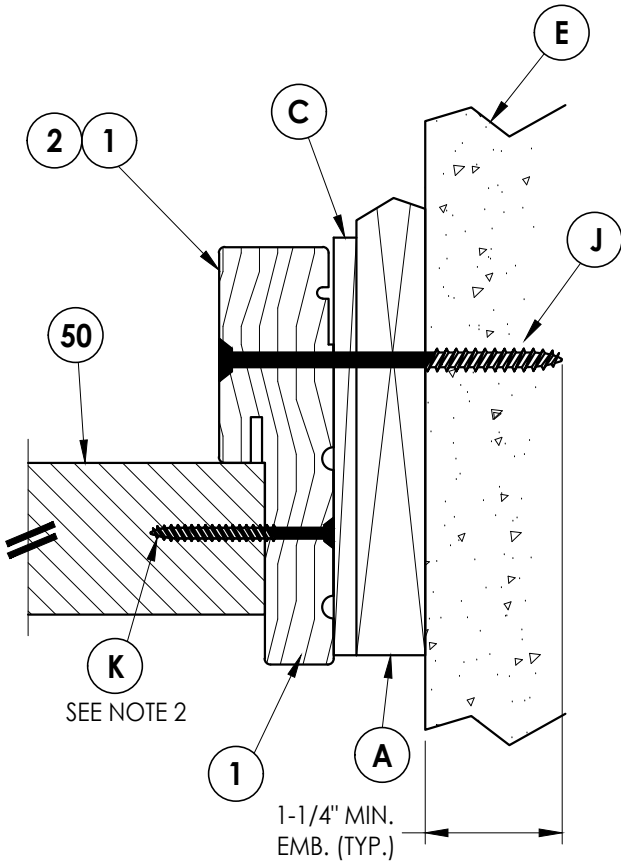
SHEET 5 OF 11

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

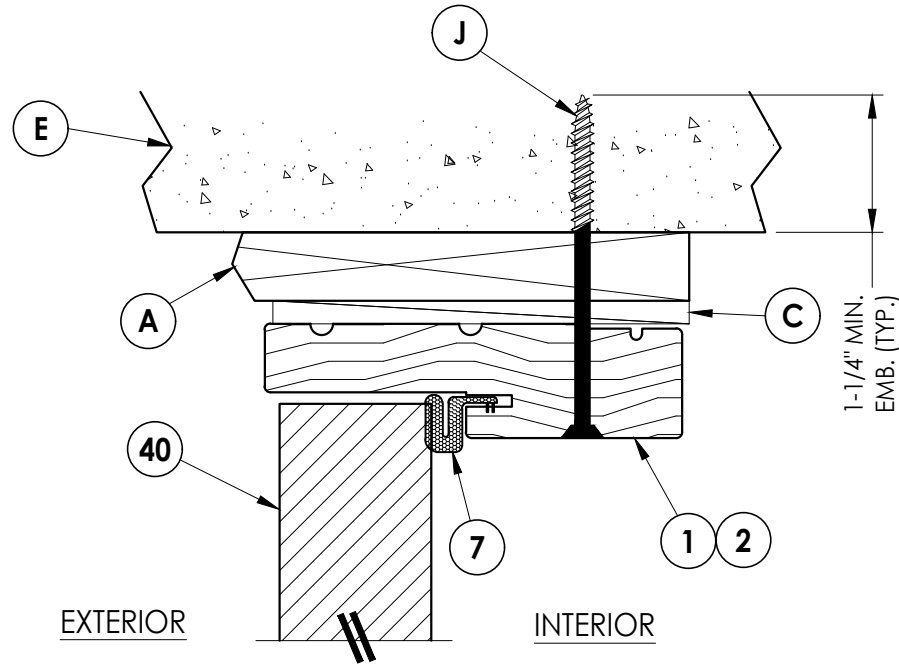
Z:\2023 FBC Drawings\Plastpro\FL-15220 R5\FL-15220.7.dwg



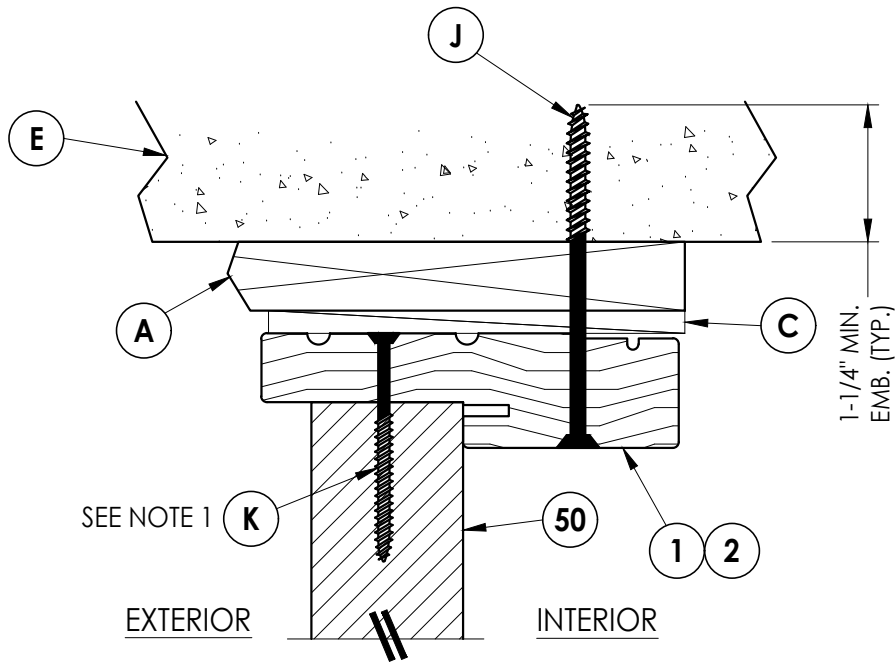
1
6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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



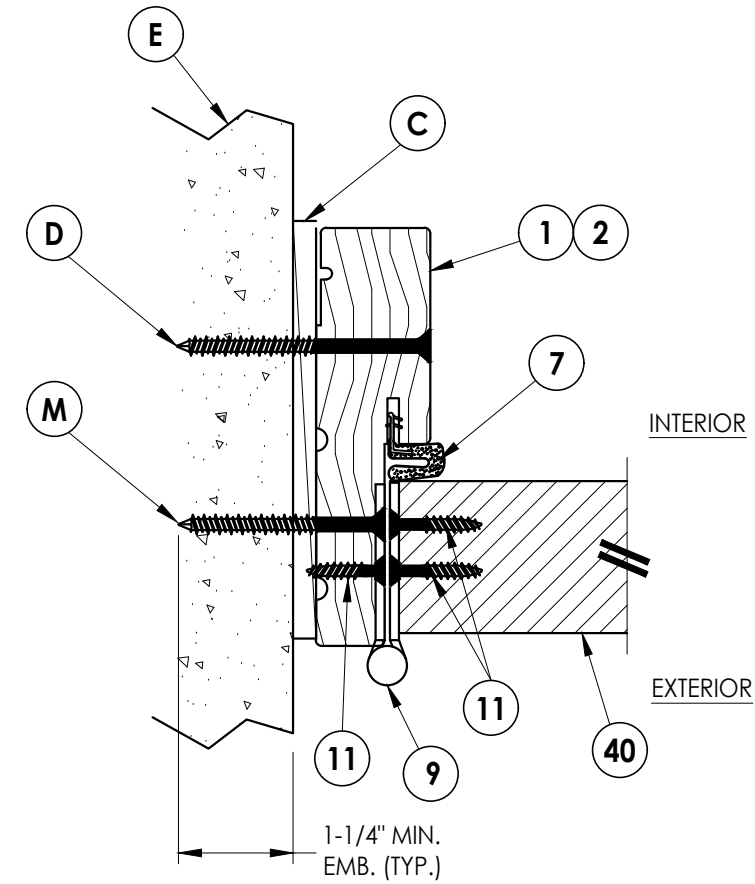
4
6 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

NOTES:

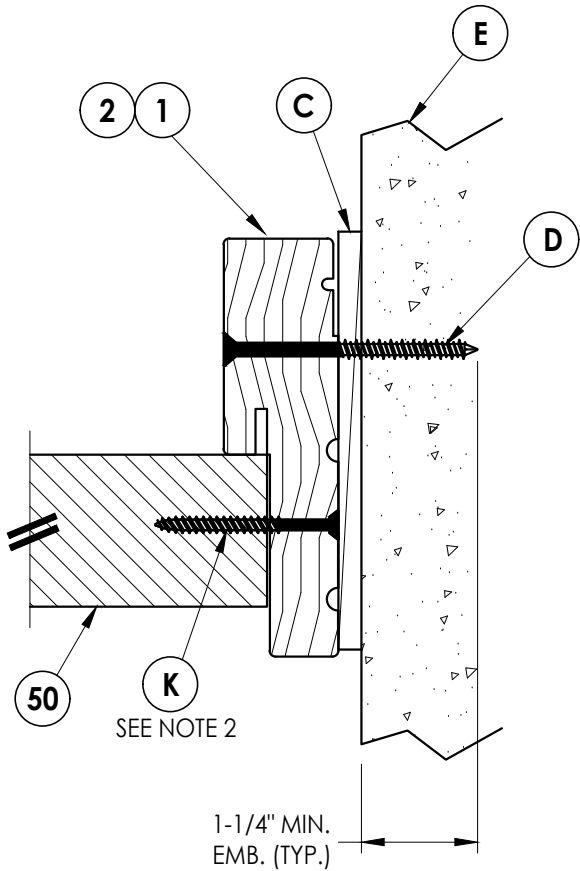
1. Spacing for item K: 6" from each end and at centerline (3 total).
2. Sidelite assembly screws located 6" from top and bottom then 6 more equally spaced (8 total).

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)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

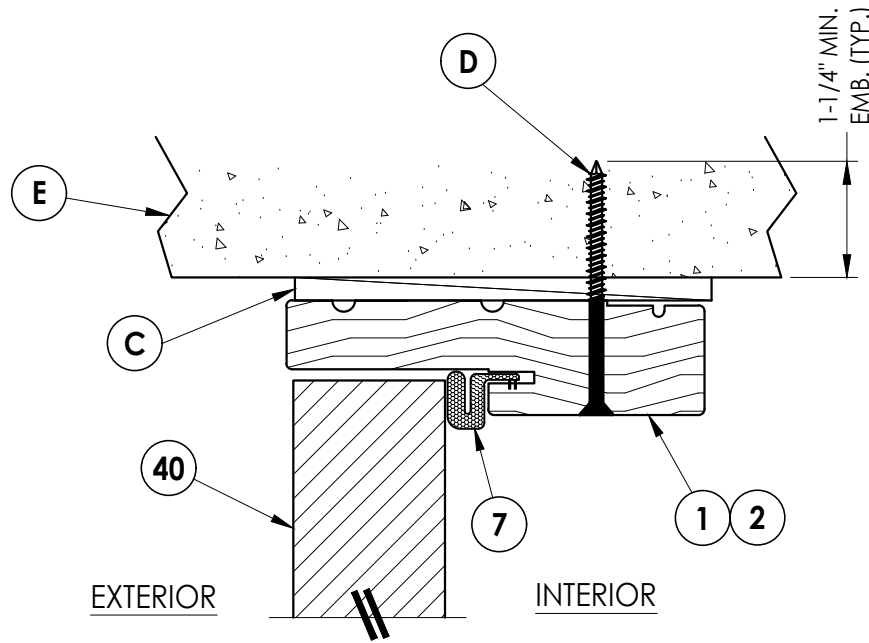
Z:\2023 FBC Drawings\Plastpro\FL-15220 R5\FL-15220.7.dwg



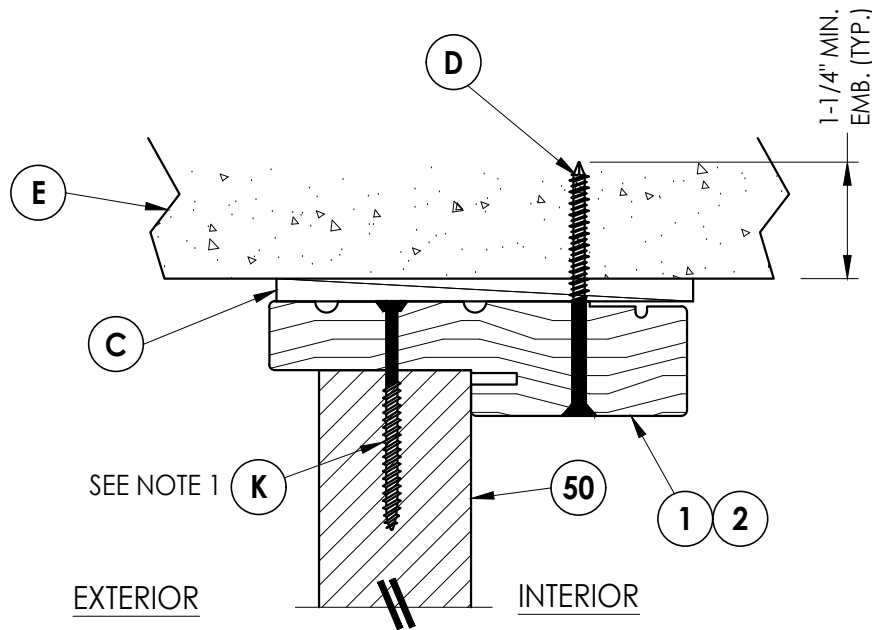
1
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



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)

- 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).

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

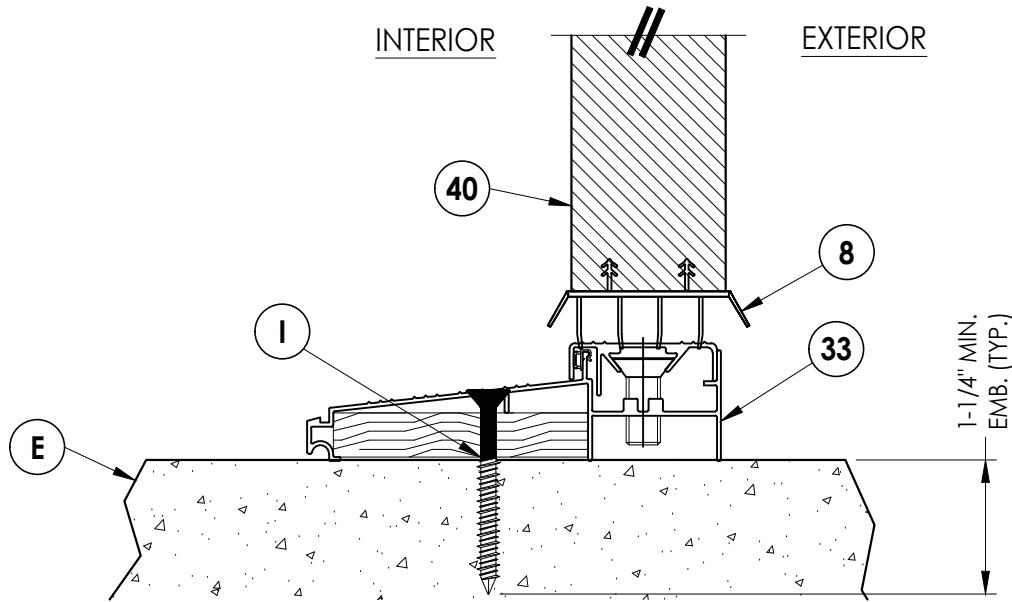
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

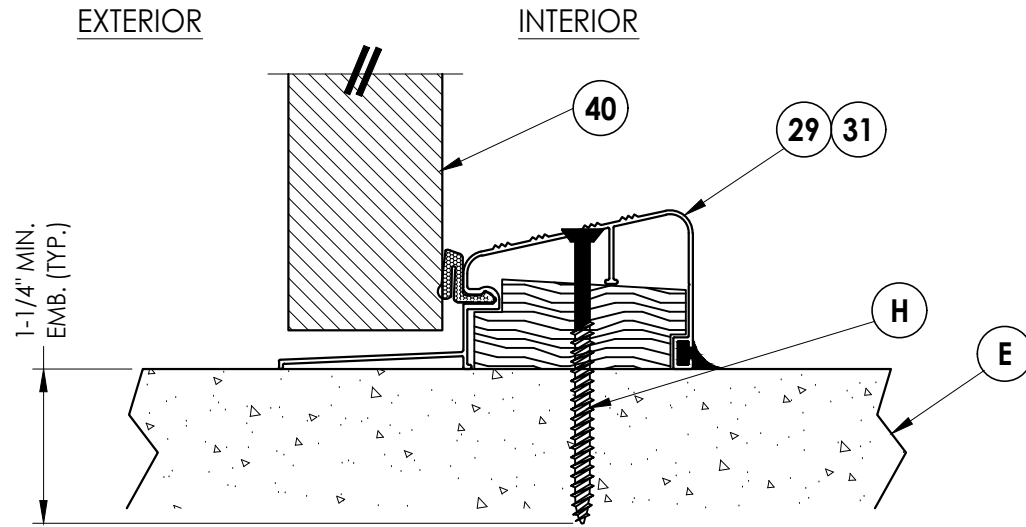
NO.	DATE	REVISIONS
4	8/14/23	UPDATE TO 8TH ED. (2023) FBC
3	7/27/20	UPDATE TO 7TH ED (2020) FBC
2	08/02/17	UPDATE TO 6TH ED. (2017) FBC
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 02/20/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-15220.7
SHEET 7 OF 11

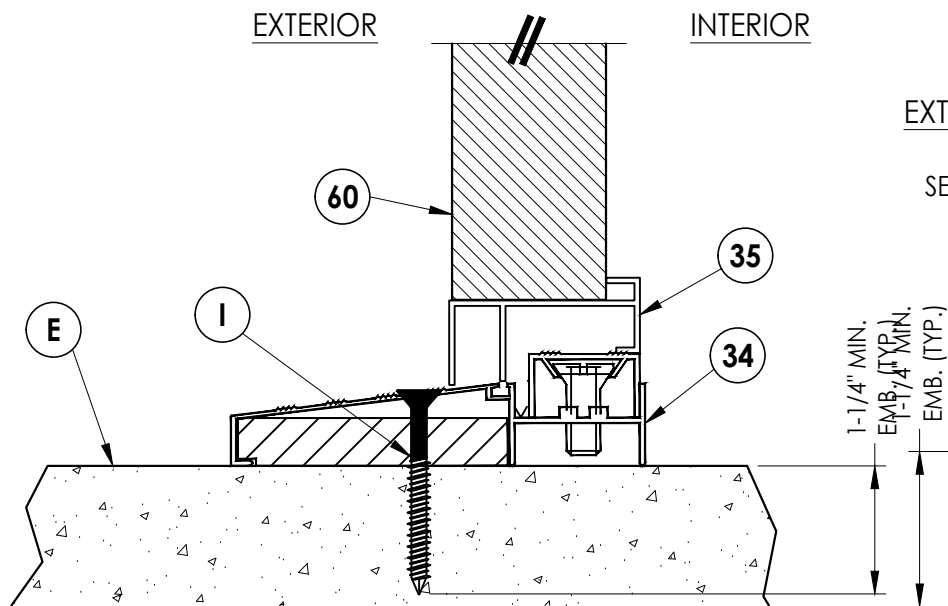
Z:\2023 FBC Drawings\Plastpro\FL-15220 R5\FL-15220.7.dwg



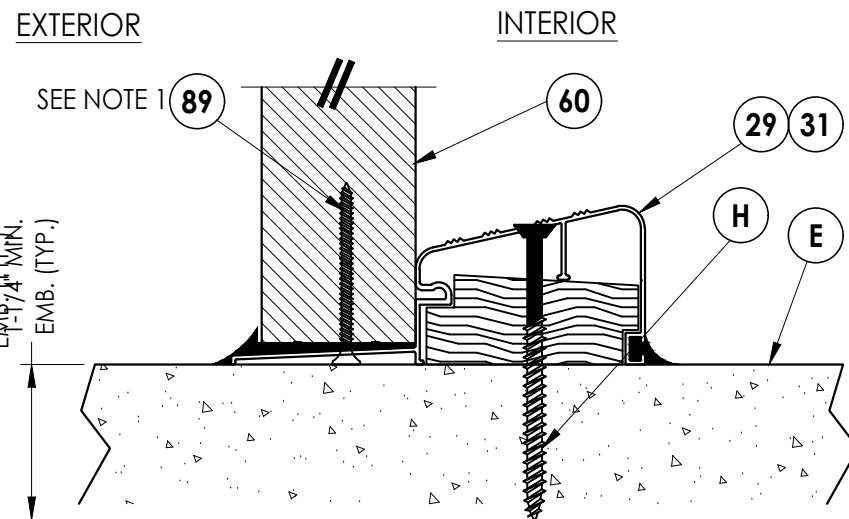
1
8 **VERTICAL CROSS SECTION**
Outswing configuration



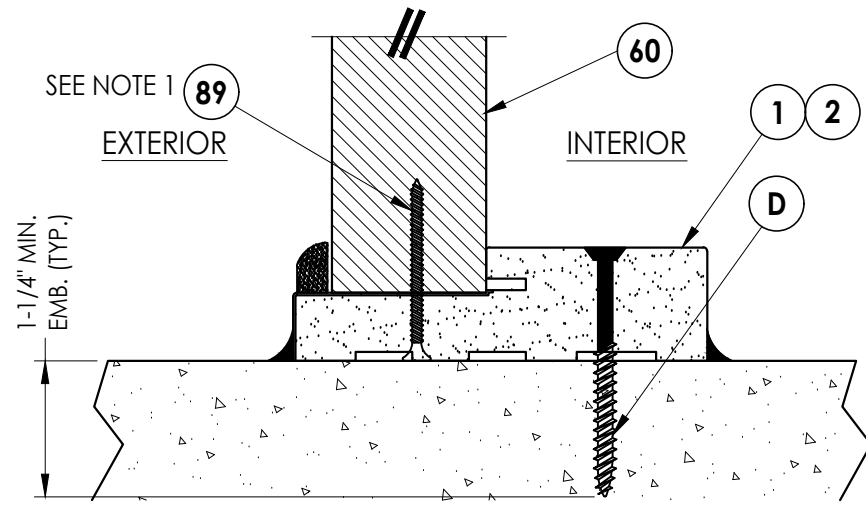
2
8 **VERTICAL CROSS SECTION**
ADA Threshold



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

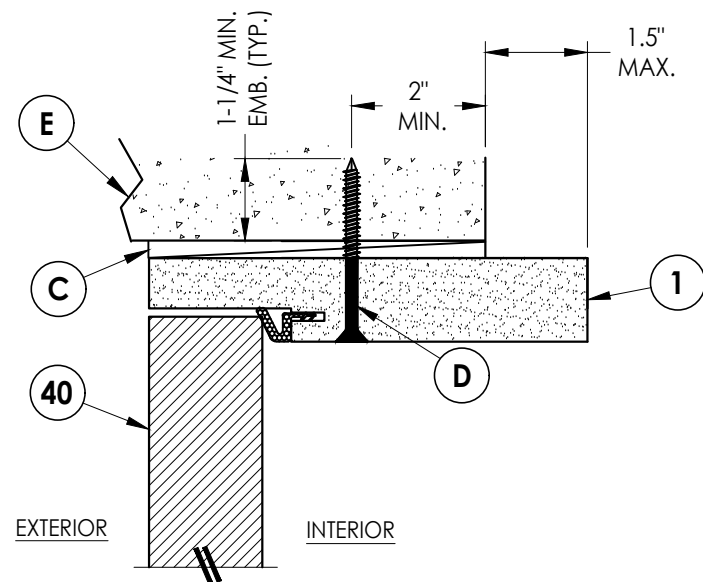
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
PLASTPRO INC
FIBERGLASS DOOR

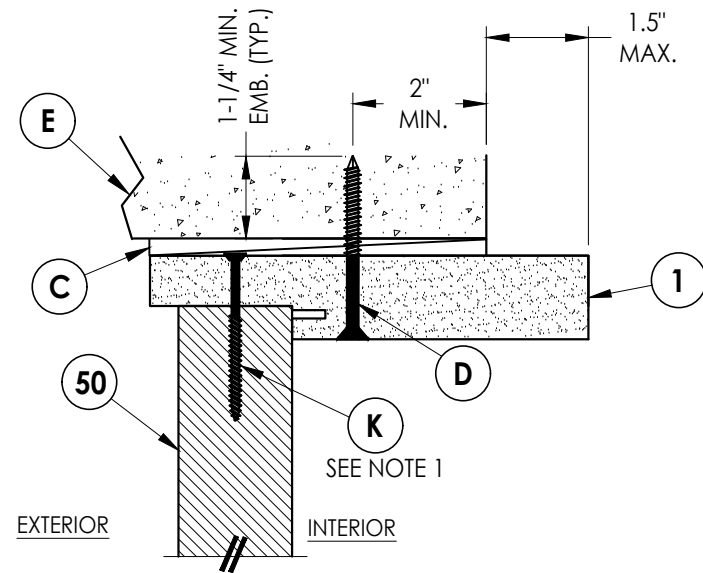
PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

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
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-15220.7
SHEET 8 OF 11



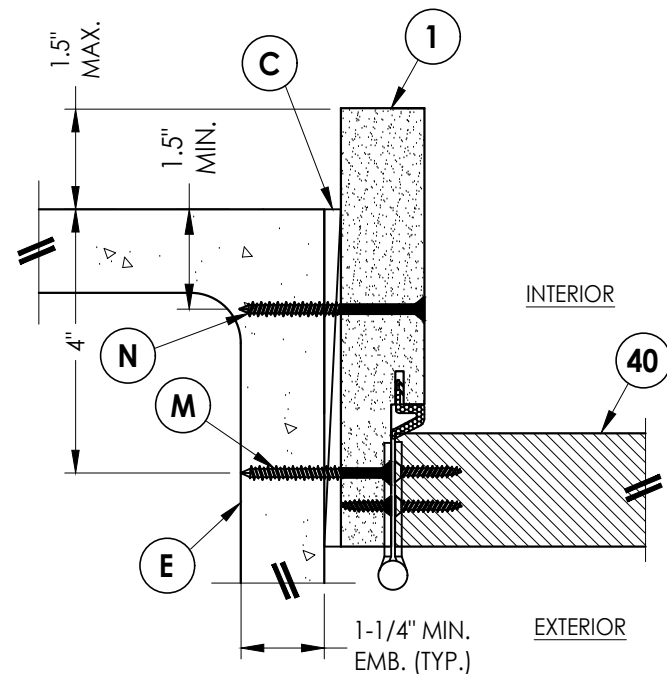
3 **VERTICAL CROSS SECTION**
9 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb



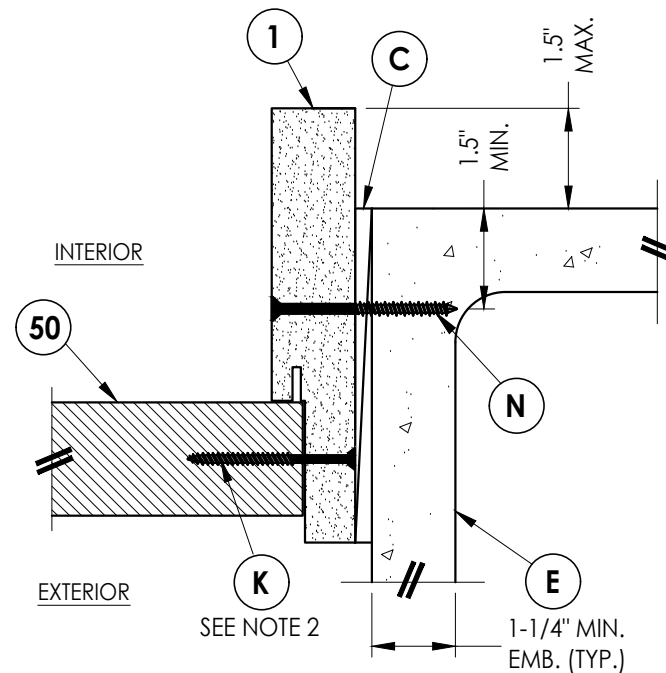
4 **VERTICAL CROSS SECTION**
9 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb

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



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

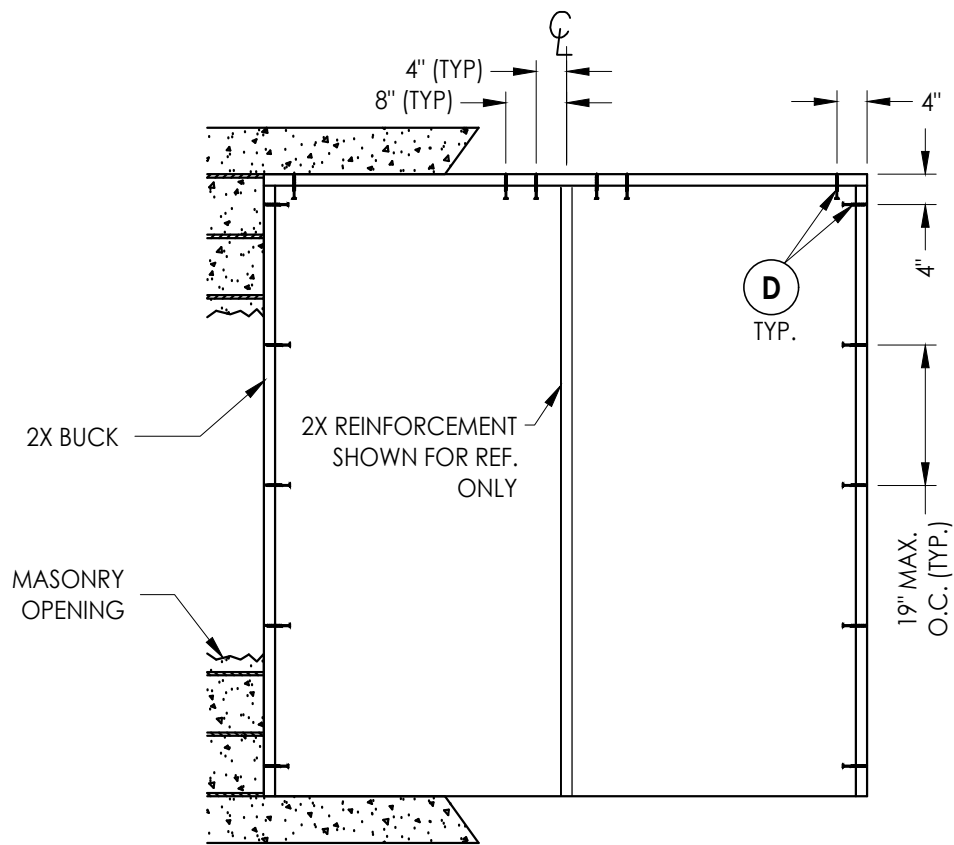
NO.	DATE						BY
4	8/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
3	7/27/20	UPDATE TO 7TH ED (2020)	FBC	LFS			
2	08/02/17	UPDATE TO 6TH ED. (2017)	FBC	JK			
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK			
REVISIONS							
DATE: 02/20/12							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-15220.7							
SHEET 9 OF 11							

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

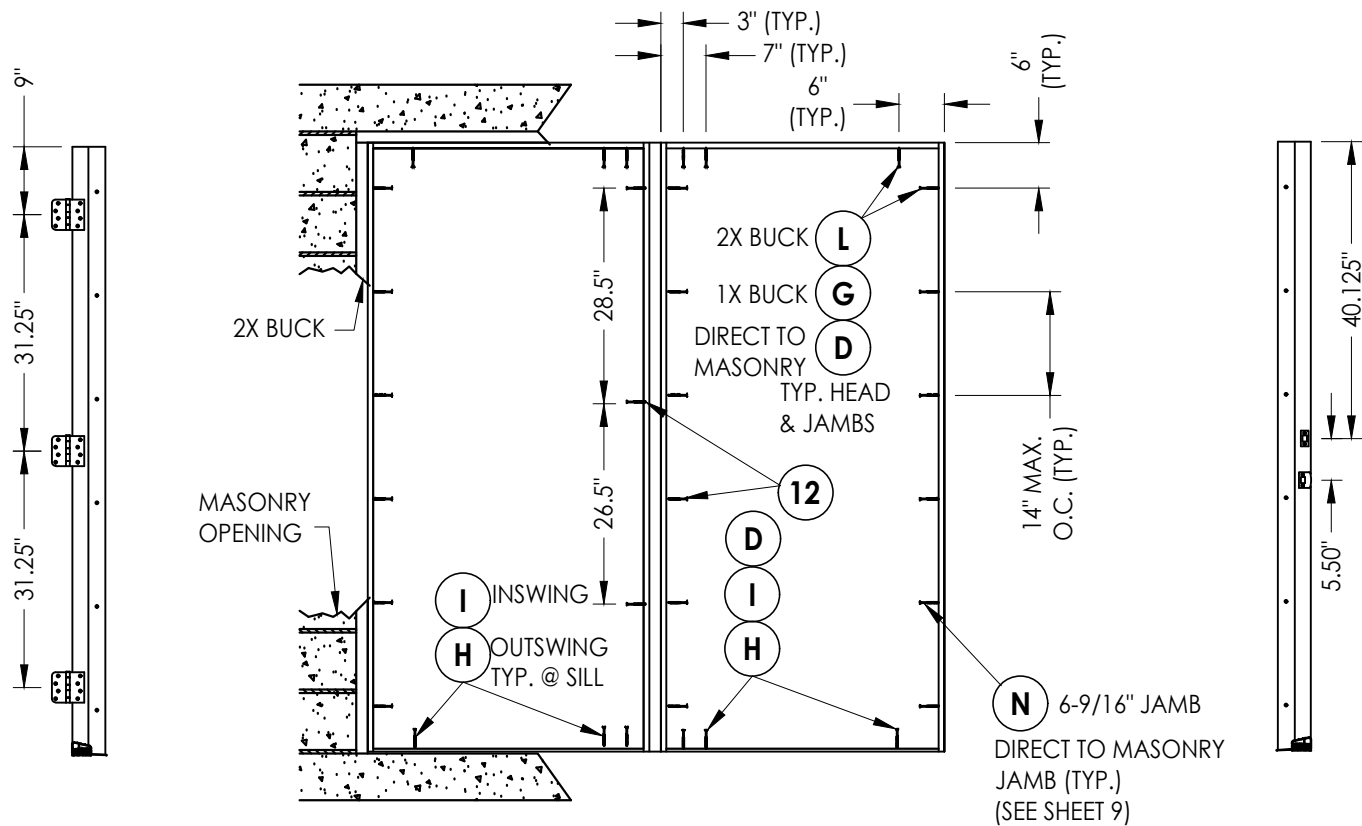
R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

© 2012 R.W. BUILDING CONSULTANTS INC.

Z:\2023 FBC Drawings\Plastpro\FL-15220 R5\FL-15220.7.dwg



BUCK ANCHORING



HINGE JAMB

FRAME ANCHORING
Masonry 2X buck construction

STRIKE JAMB

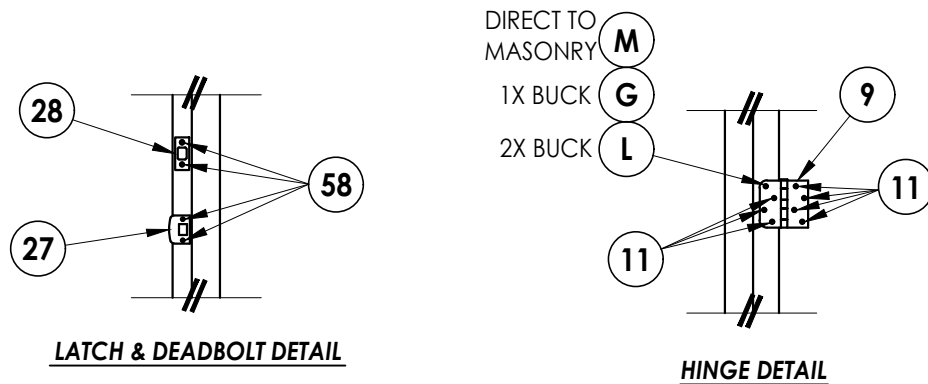
CONCRETE ANCHOR NOTES:

- 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 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.



LATCH & DEADBOLT DETAIL

HINGE DETAIL

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:

PLASTPRO INC
FIBERGLASS DOOR

LFS

LFS

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

PLASTPRO INC
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING

LFS

LFS

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

FBC

REVISIONS

DATE: 02/20/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15220.7

SHEET 10 OF 11

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" 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
G	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
I	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#7 X 2" PFH DRYWALL SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	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. / VINYL
2	FINGER JOINTED PINE FRAME	WOOD
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
29	OUTSWING THRESHOLD BY DLP	ALUM/WOOD
30	INSWING VINYL DOOR BOTTOM SWEEP	VINYL
31	OUTSWING THRESHOLD BY DLP	ALUM/WOOD
33	INSWING ADJUSTABLE ALUMINUM THRESHOLD BY DLP	ALUM/WOOD
34	INSWING SIDELITE ALUMINUM THRESHOLD BY DLP	ALUM/WOOD
35	SIDELITE SPACER	PVC
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
58	#8 X 2" PFH WOOD SCREW	STEEL
60	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
88	2X REINFORCEMENT (CLEAR PINE) SG >= 0.49	WOOD



DATE: 02/20/12		PLASTPRO INC FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY:		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: JK		BILL OF MATERIALS & COMPONENTS			
CHK. BY: LFS					
DRAWING NO.: FL-15220.7					
SHEET 11 OF 11					