



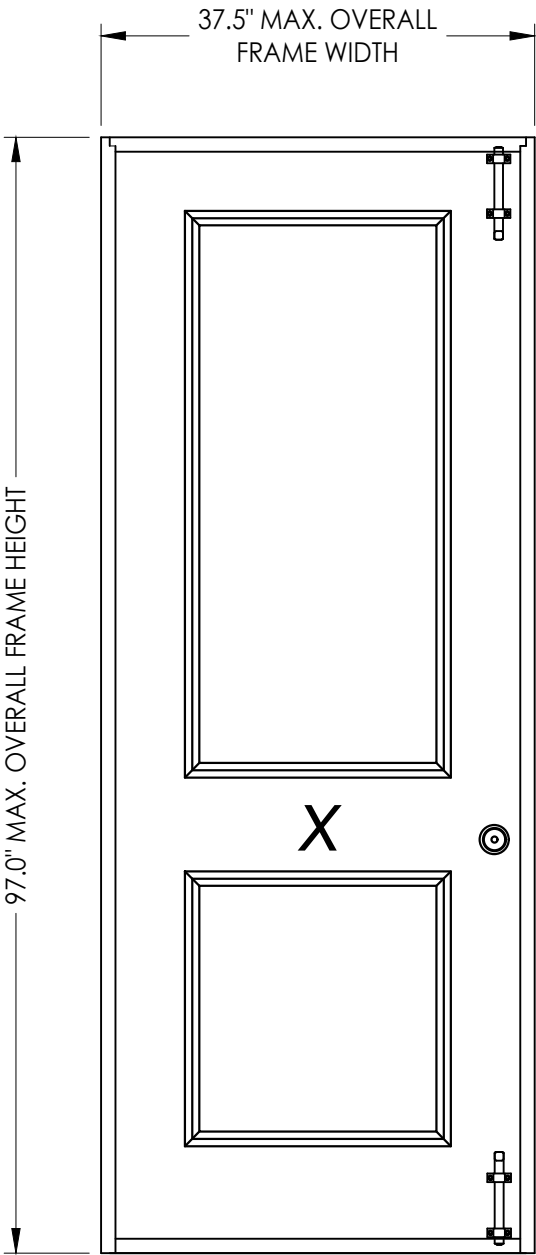
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

Smooth / Wood Grain / White Wood Grain
Rustic / Mahogany
Series O Fiberglass Door
OUTSWING
"IMPACT"

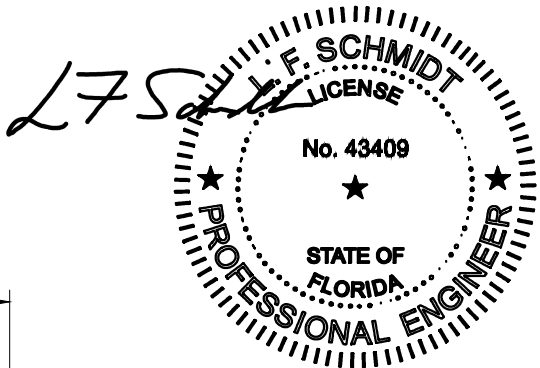
GENERAL NOTES

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 complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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".

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures, & general notes
2	Door panel details
3	Horizontal & Vertical Cross Sections (2X Buck)
4	Horizontal & Vertical Cross Sections (1X Buck)
5	Horizontal & Vertical Cross Sections (Direct to Masonry)
6	Buck and frame anchoring
7	Bill of materials and components



MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) w/ SURFACE BOLTS	
	POSITIVE	NEGATIVE
37.50" x 97.0"	+90.0	-90.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.22 08:19:28 -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

PLASTPRO INC.
FIBERGLASS DOOR

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

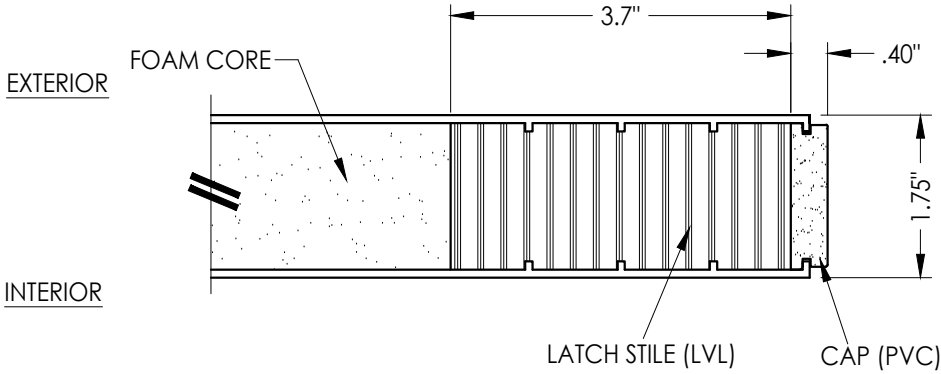
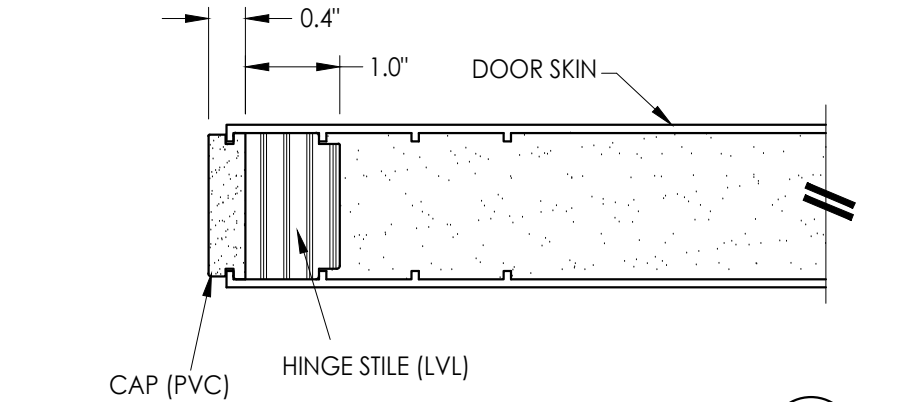
5	8/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	6/22/22	ADD ADA THRESHOLD		LFS
3	7/27/20	UPDATE TO 7TH ED (2020)	FBC	LFS
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC	JK
1	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE	REVISIONS		

DATE: 2/19/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15210.13
SHEET 1 OF 7

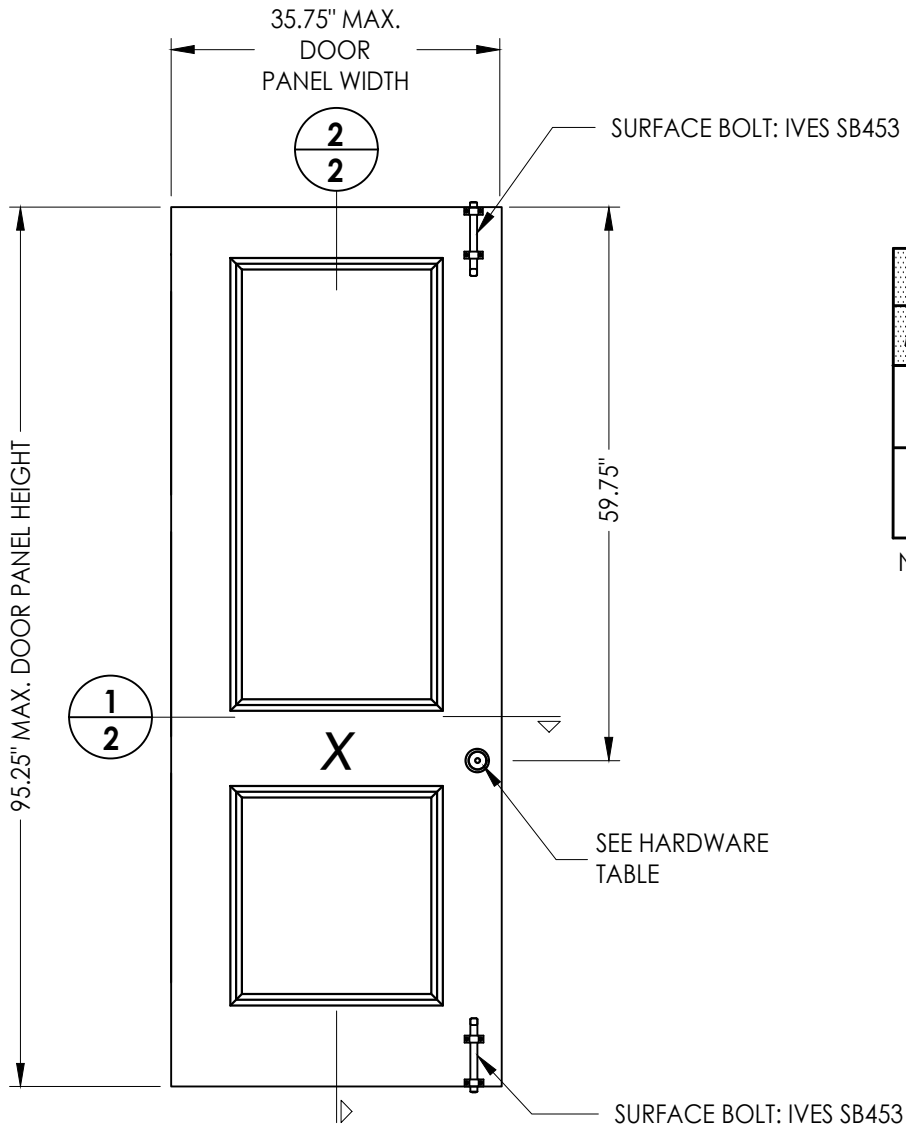
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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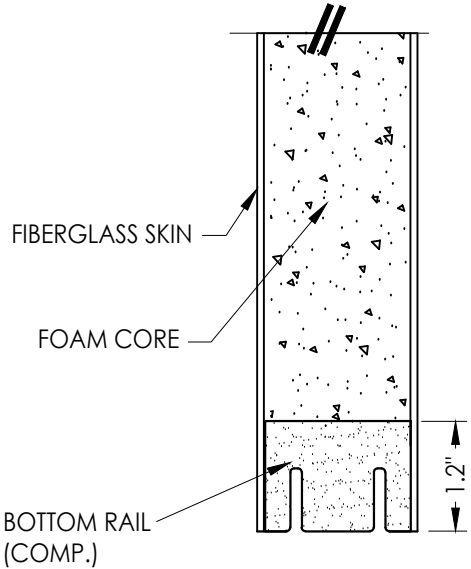
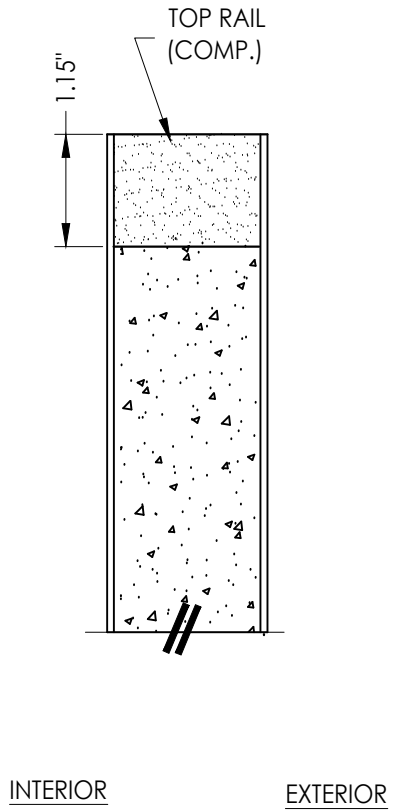
1
2 HORIZONTAL CROSS SECTION



40 DOOR PANEL

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
SCHLAGE	KNOB:	"F" SERIES (F51)

Note: Optional deadbolt may be utilized at 5-1/2" or 12" on center above knob.



2
2 VERTICAL CROSS SECTION

FIBERGLASS DOOR SKIN: MIN. 0.130" THK.
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)

July 27, 2020

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: DOOR PANEL DETAILS	

NO.	DATE	REVISIONS
4	6/22/22	ADD ADA THRESHOLD
3	7/27/20	UPDATE TO 7TH ED. (2020) FBC
2	7/24/17	UPDATE TO 6TH ED. (2017) FBC
1	3/9/15	UPDATE TO 5TH ED. (2014) FBC
JK		
BY		

DATE: 2/19/13

SCALE: N.T.S.

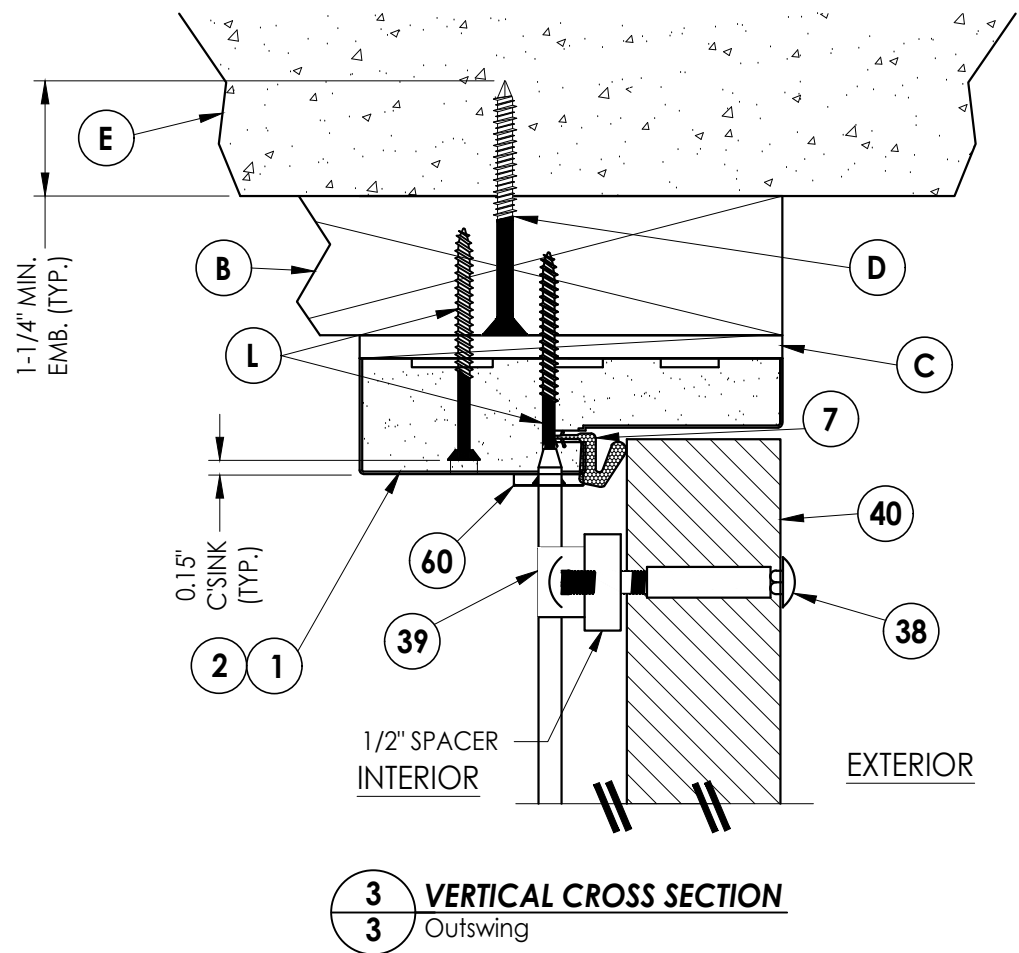
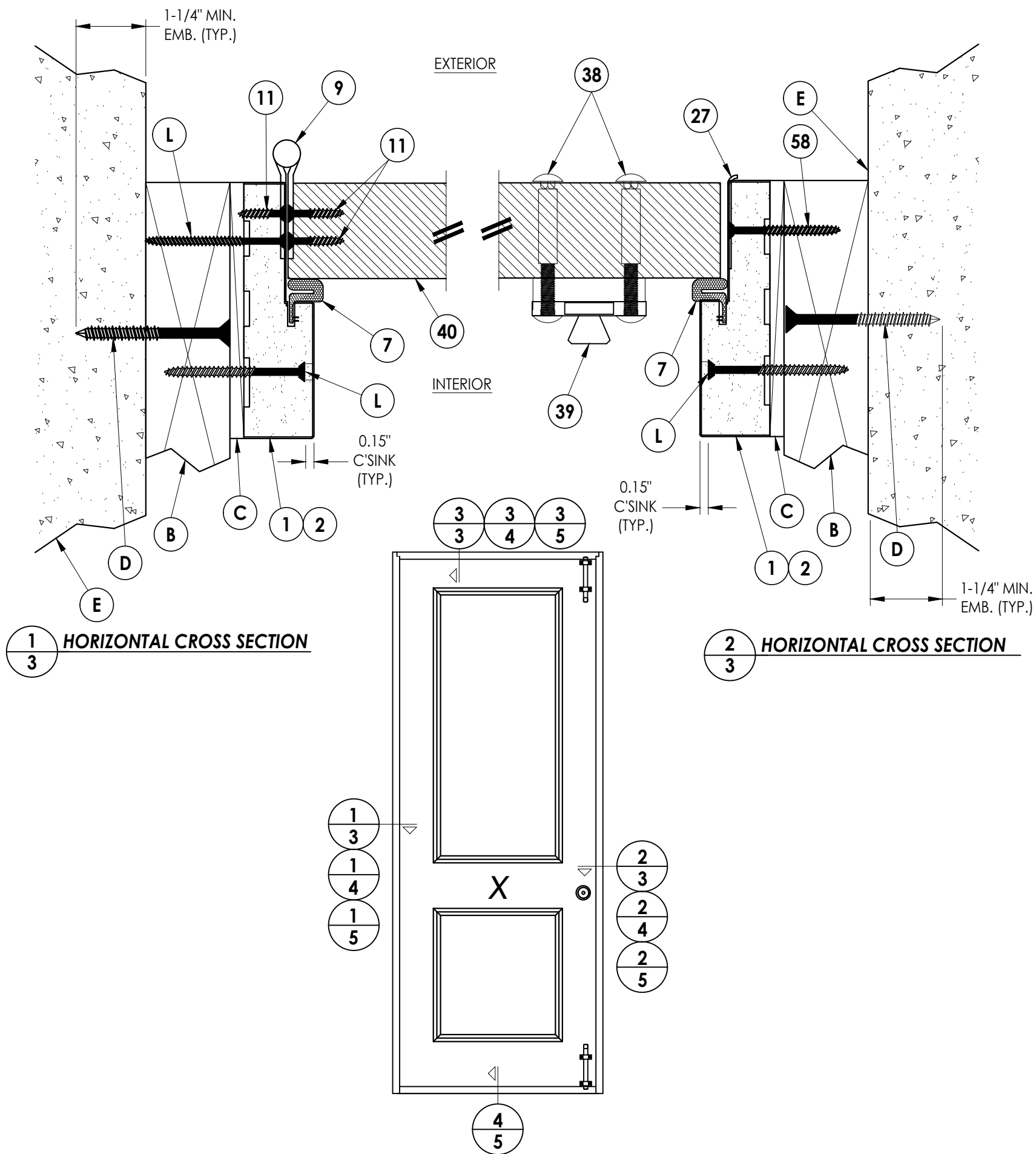
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15210.13

SHEET 2 OF 7



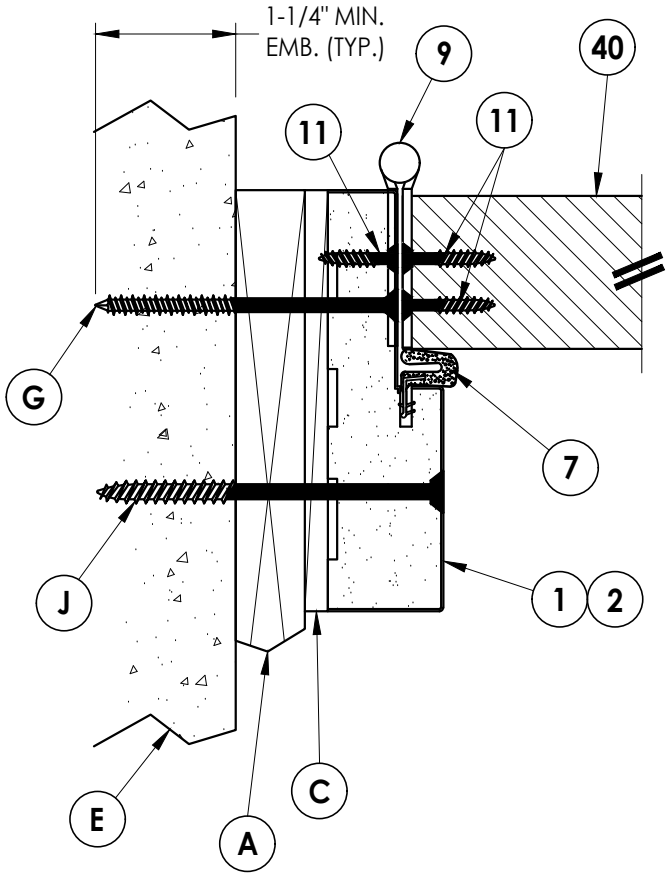
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3	7/27/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC	JK
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NO.	DATE			BY
				REVISIONS

DATE:	2/19/13
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15210.13
SHEET	3 OF 7

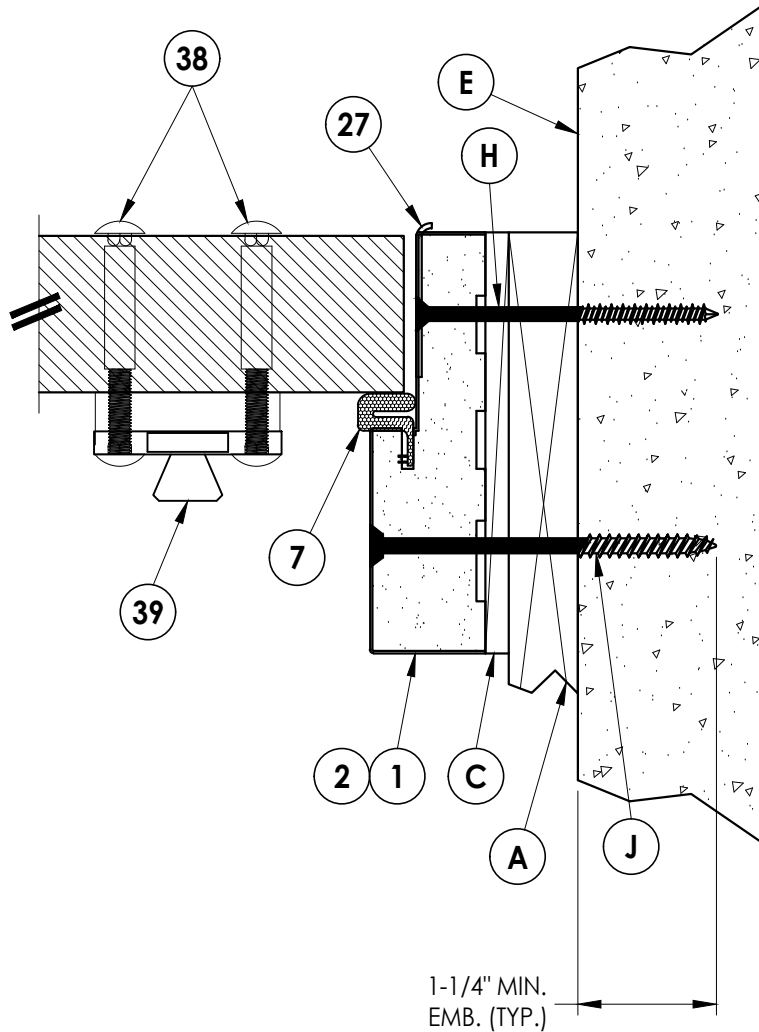
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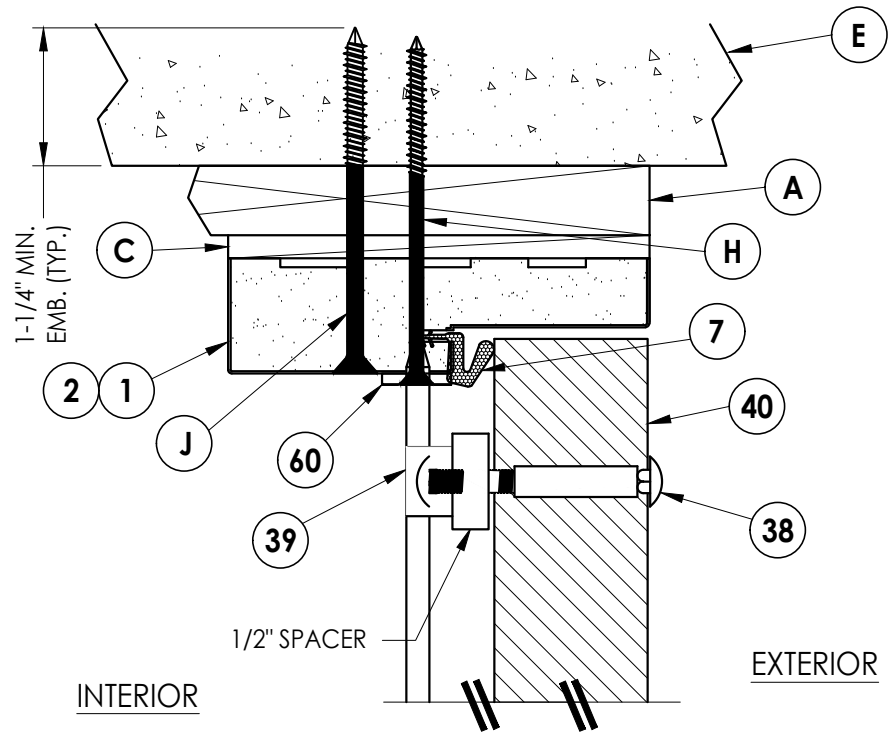
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1
4 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing



2
4 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing



3
4 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing

NO.	DATE	REVISIONS			
		BY	CHK	DATE	DESCRIPTION
5	8/17/23	LFS	FBC		UPDATE TO 8TH ED. (2023)
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3	7/27/20	LFS	FBC		UPDATE TO 7TH ED. (2020)
2	7/24/17	JK	FBC		UPDATE TO 6TH ED. (2017)
1	3/9/15	JK	FBC		UPDATE TO 5TH ED. (2014)

DATE: 2/19/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15210.13

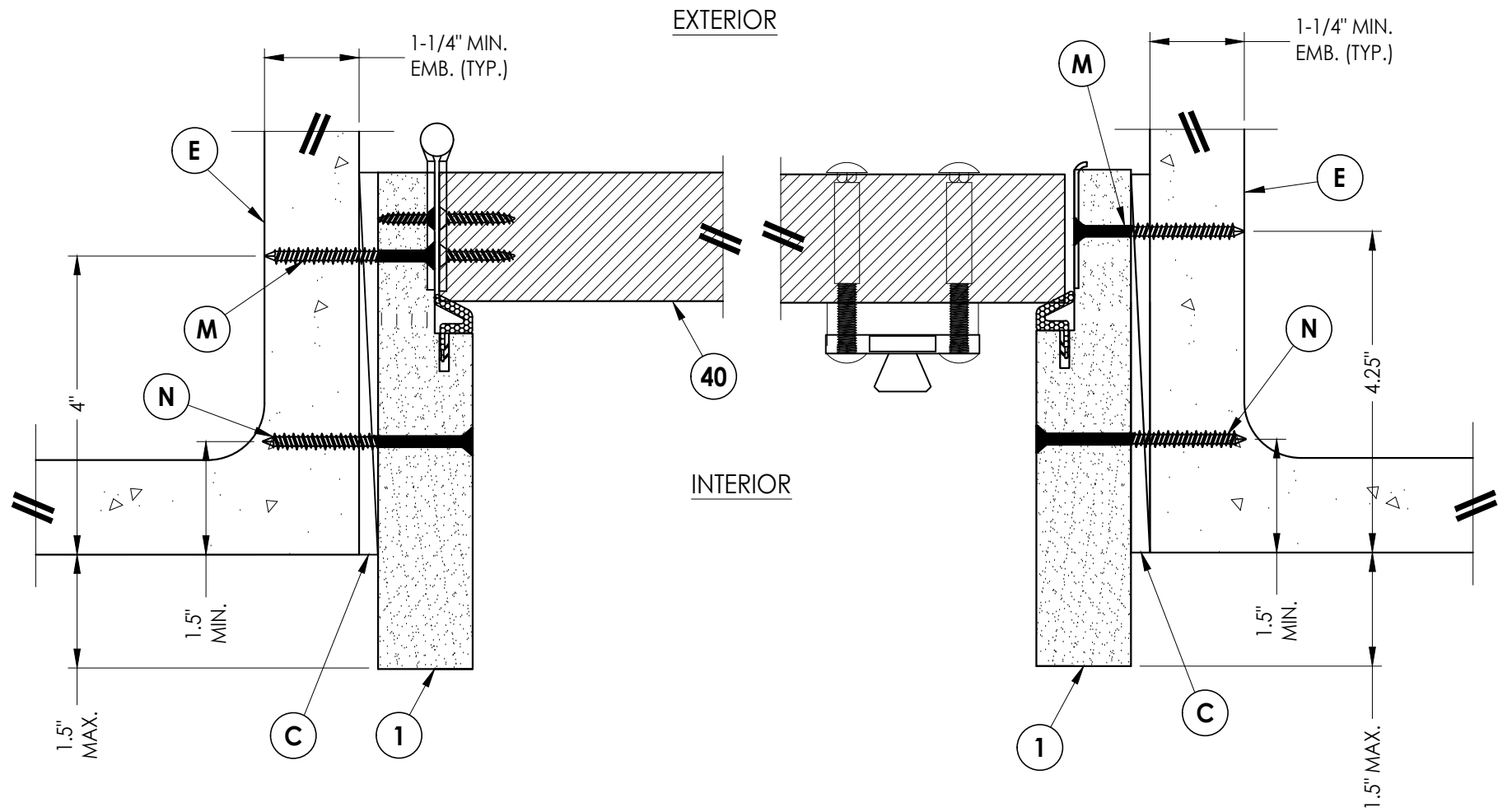
SHEET 4 OF 7

PRODUCT:	PLASTPRO INC. FIBERGLASS DOOR
	PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)

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

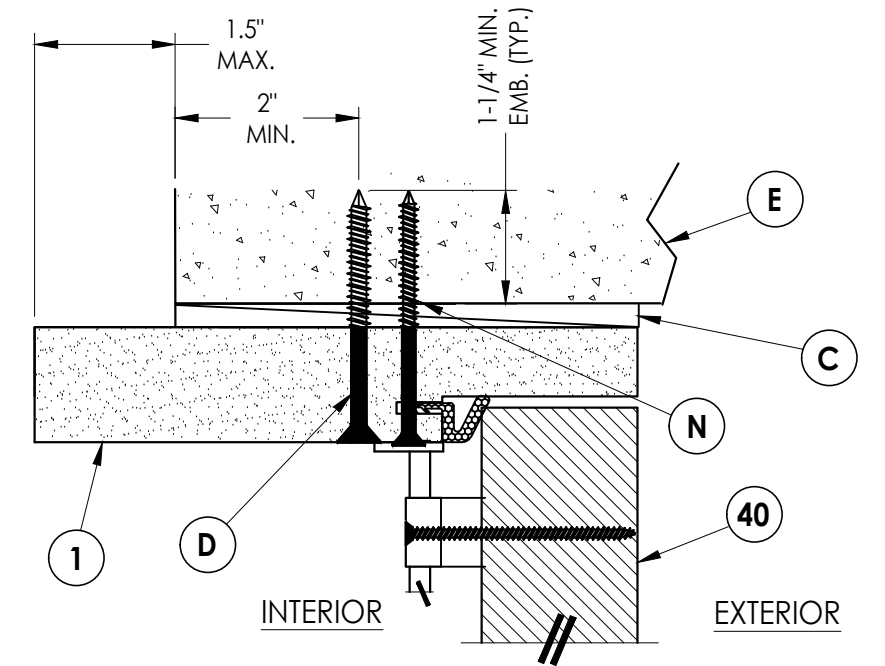
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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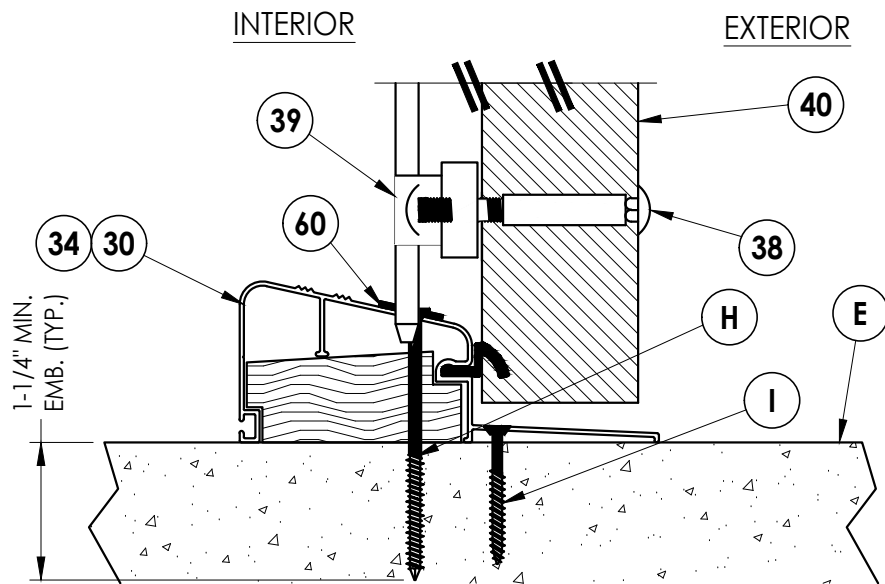


1
5 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

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



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

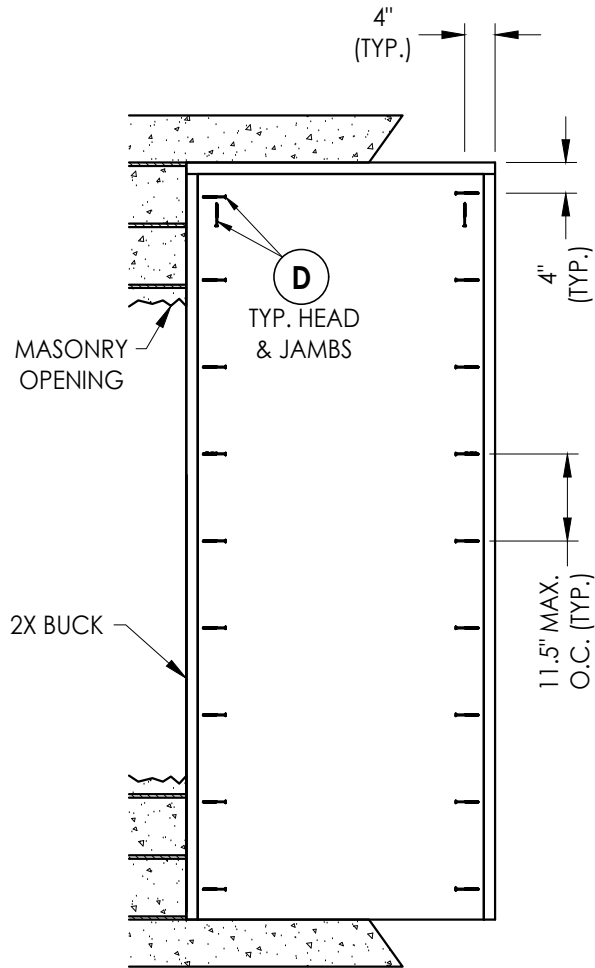


4
5 **VERTICAL CROSS SECTION**
Shown Direct to Masonry

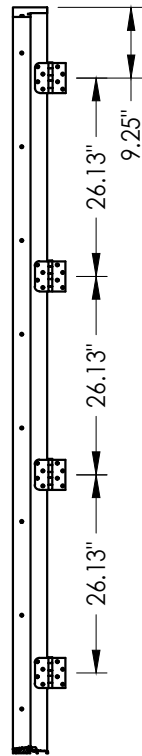
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		2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC			JK	
		1	3/9/15	UPDATE TO 5TH ED. (2014)	FBC			JK	
		NO.	DATE					BY	
				REVISIONS					
DATE:		2/19/13							
SCALE:		N.T.S.							
DWG. BY:		JK							
CHK. BY:		LFS							
DRAWING NO.:		FL-15210.13							
SHEET		5		OF		7			

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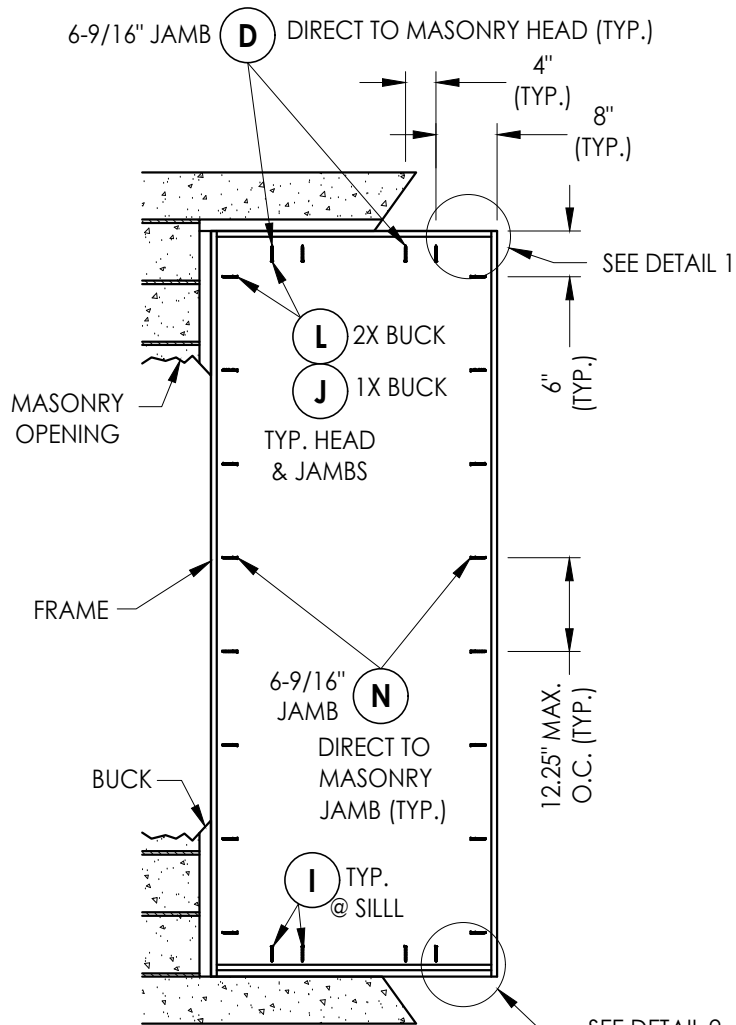
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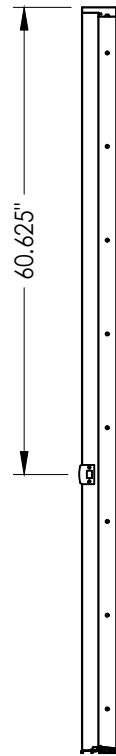
BUCK ANCHORING



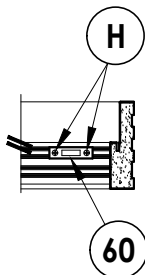
HINGE JAMB



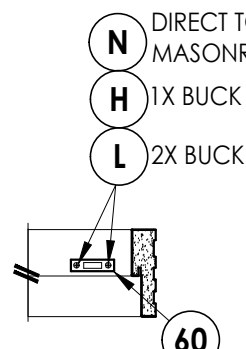
FRAME ANCHORING
Masonry construction



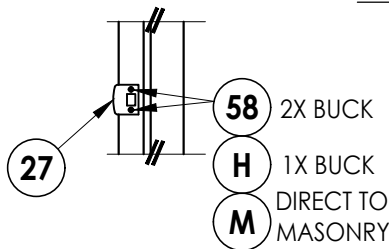
STRIKE JAMB



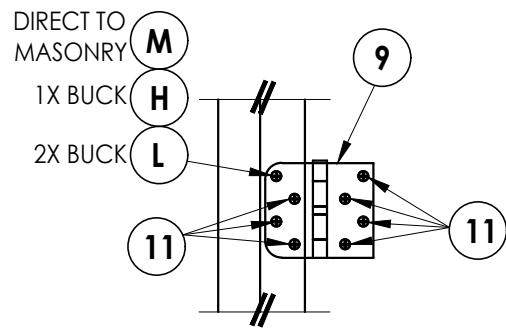
DETAIL 2



DETAIL 1



LATCH STRIKE



HINGE DETAIL

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:
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P.E. No. 43409

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

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
5	8/17/23	UPDATE TO 8TH ED. (2023) FBC
4	6/22/22	ADD ADA THRESHOLD
3	7/27/20	UPDATE TO 7TH ED. (2020) FBC
2	7/24/17	UPDATE TO 6TH ED. (2017) FBC
1	3/9/15	UPDATE TO 5TH ED. (2014) FBC

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DWG. BY: JK

CHK. BY: LFS

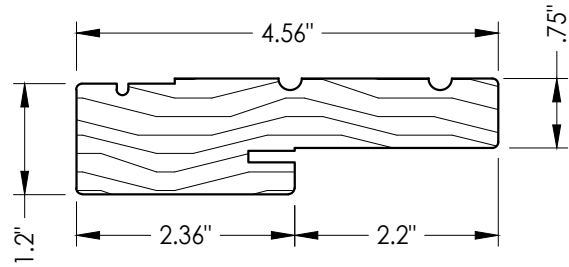
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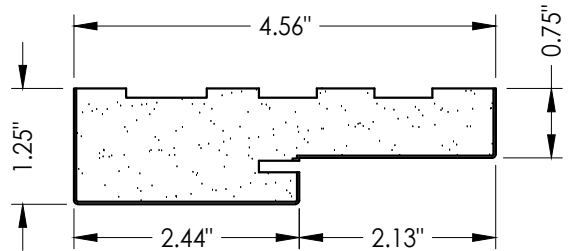
SHEET 6 OF 7

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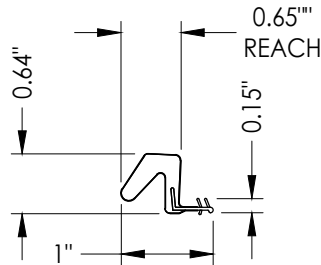
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
H	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
I	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" x 2-1/4" PFH ITW CONCRETE SCREW	STEEL
N	3/16" x 2-3/4" PFH ITW CONCRETE SCREW	STEEL
1	POLY FIBER JAMB	POLY FIBER
2	FINGER JOINTED PINE FRAME	WOOD
7	WEATHERSTRIP	FOAM
9	4" X 4" BUTT HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
24	10-32 X 3/8" PFH MACHINE SCREW	STEEL
25	DEADBOLT STRIKE PLATE (Schlage)	STEEL
27	LATCH STRIKE PLATE	STEEL
29	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
30	OUTSWING THRESHOLD	ALUM/WOOD
34	OUTSWING THRESHOLD	ALUM/WOOD
38	1/4-20 X 2" PH MS w/ 5/16" TH BARREL NUT	STEEL
39	SURFACE BOLT (IVES 453)	STEEL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
58	#8 X 2" PFH WS	STEEL
60	SURFACE BOLT STRIKE PLATE	STEEL



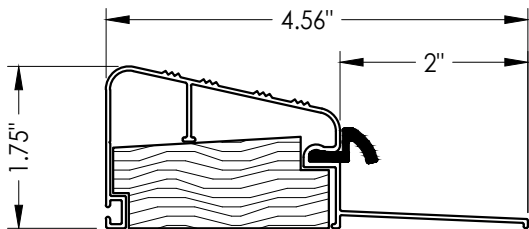
2 WOOD JAMB



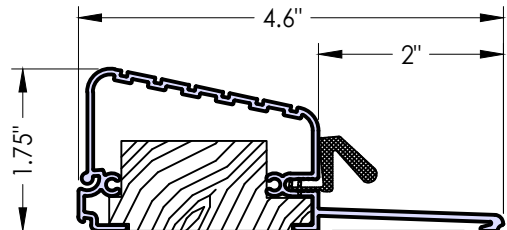
1 POLY FIBER JAMB
Plastpro



7 WEATHERSTRIP
Endura Force 5



30 OUTSWING THRESHOLD
DLP (QOSR)



34 OUTSWING THRESHOLD
Columbia High Dam (581)

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 AND COMPONENTS	
5	8/17/23	UPDATE TO 8TH ED. (2023)	FBC
4	6/22/22	ADD ADA THRESHOLD	LFS
3	7/27/20	UPDATE TO 7TH ED (2020)	FBC
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC
1	3/9/15	UPDATE TO 5TH ED. (2014)	FBC
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DATE: 2/19/13			
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CHK. BY: LFS			
DRAWING NO.: FL-15210.13			
SHEET 7 OF 7			