



plastpro

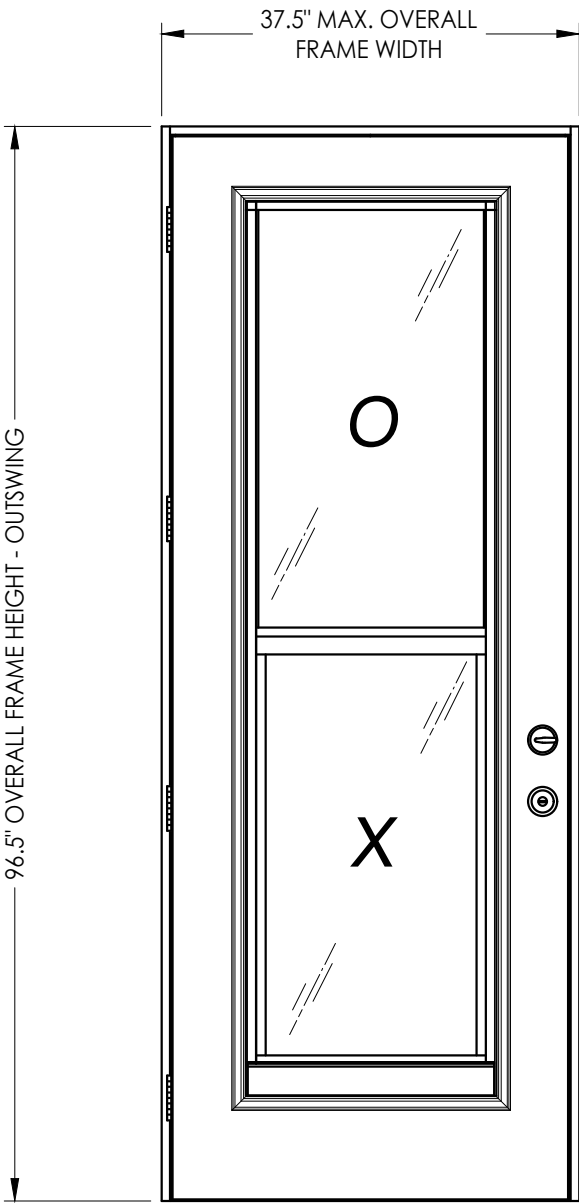
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

Smooth / Wood Grain / White Wood Grain
Rustic / Mahogany
Series O Fiberglass Door w/ Operational Window Insert
OUTSWING
"IMPACT"

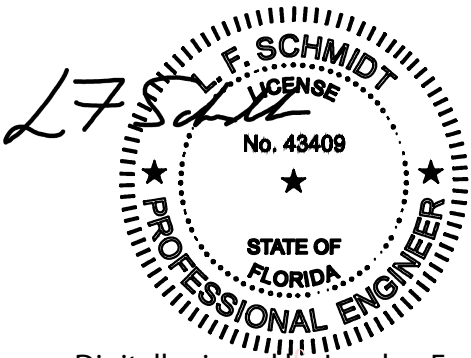
GENERAL NOTES

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	Lite frame details and glazing details
4	Security screen details
5	Horizontal & Vertical Cross Sections (2X Buck)
6	Horizontal & Vertical Cross Sections (1X Buck)
7	Horizontal & Vertical Cross Sections (Direct to Masonry)
8	Horizontal & Vertical Cross Sections (Direct to Masonry)
9	Buck and frame anchoring
10	Bill of materials and components



MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
37.5"	20.13"	YALE	+45.0	-45.0
x 96.5"	x 37.5"	KWIKSET	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.22 08:18:28 -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

4	8/17/23	UPDATE TO 8TH ED. (2023)	FBC	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			BY

REVISIONS

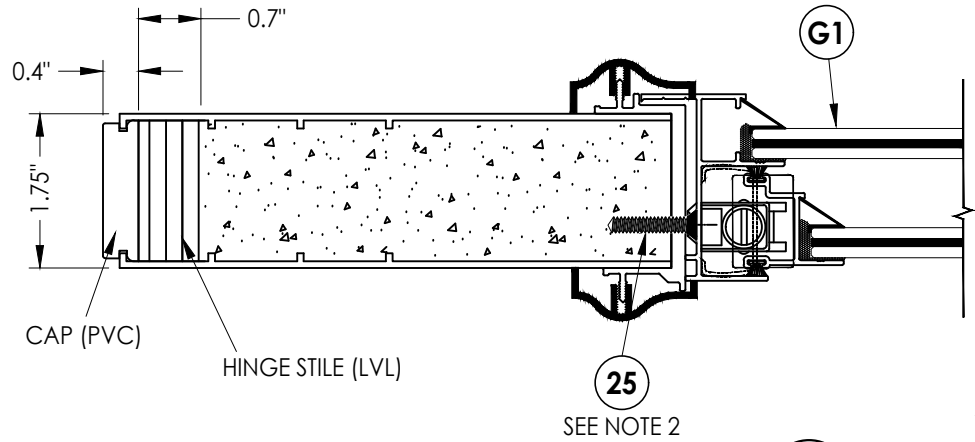
DATE: 07/01/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15210.15
SHEET 1 of 10

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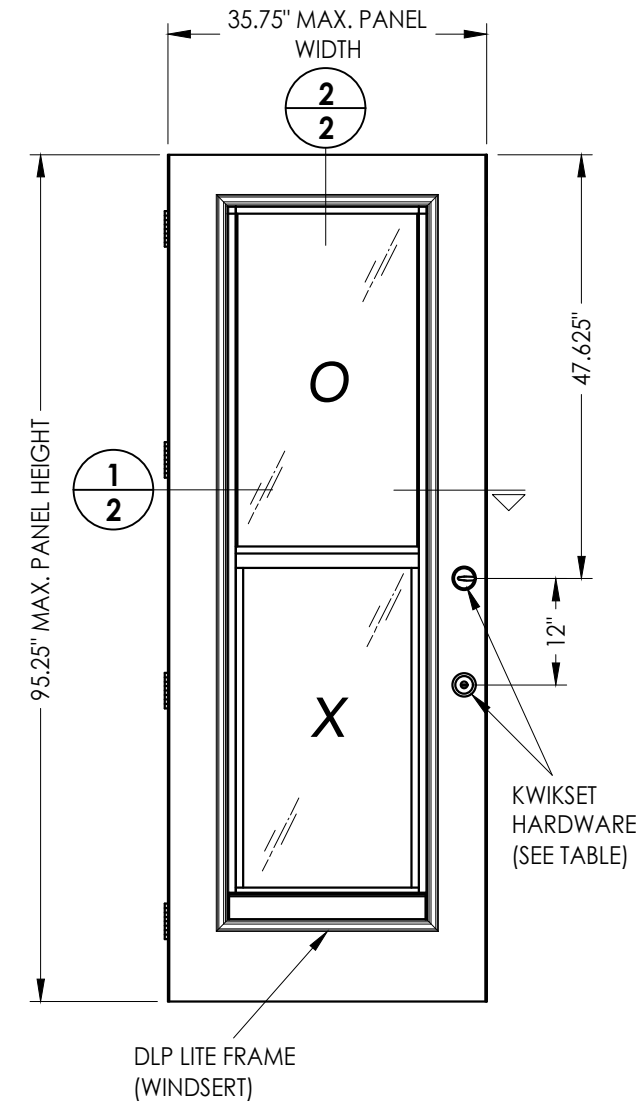
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

RW

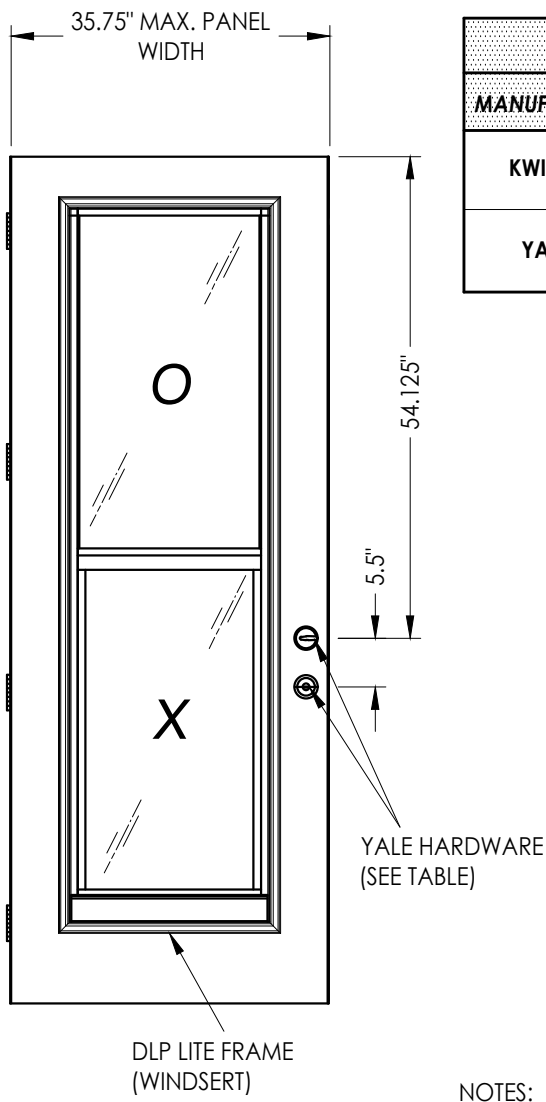
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1
2 **HORIZONTAL CROSS SECTION**

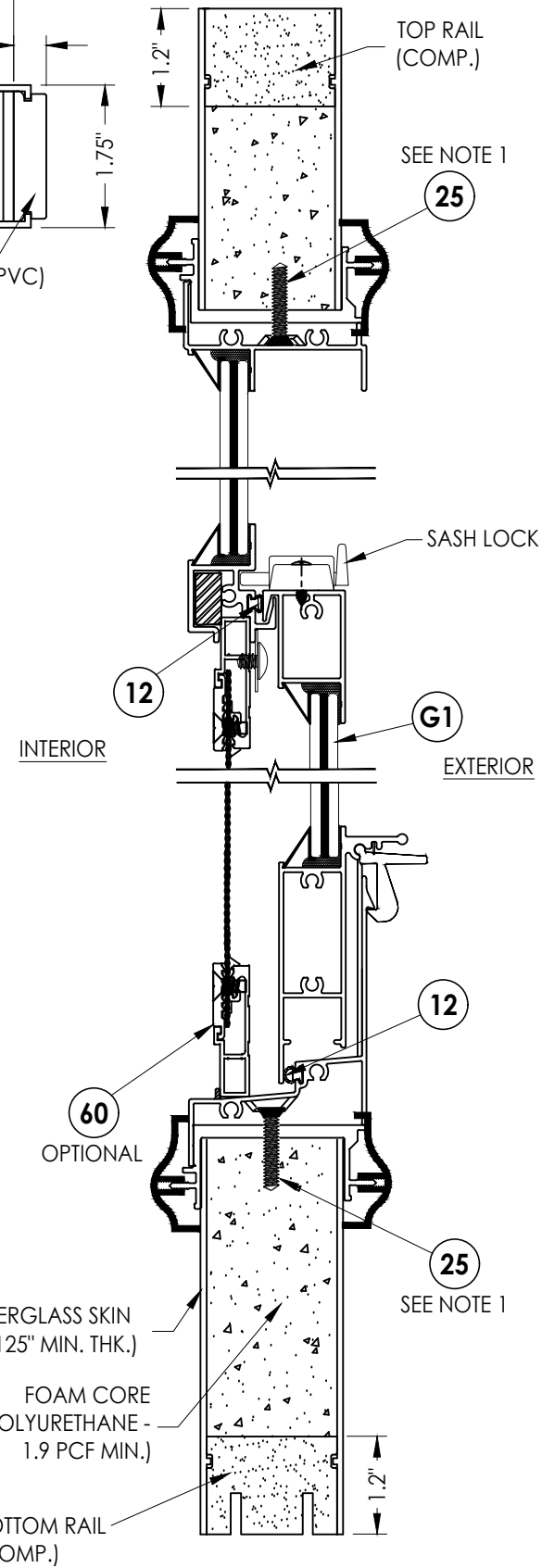


40 **DOOR PANEL**
Plastpro



HARDWARE TABLE			
MANUFACTURER	MODEL		HARDWARE SPACING
KWIKSET	Knob:	SIGNATURE SERIES	12 in.
	Deadbolt:	SIGNAUTRE SERIES (980)	
YALE	Knob:	YH COLLECTION	5.5 in.
	Deadbolt:	YH COLLECTION (83)	

- NOTES:
- Spacing for item #25 at head and sill:
4" from each end and one at centerline.
 - Spacing for item #25 at jambs:
3" From each end and 6 more equally spaced (8 total).



2
2 **VERTICAL CROSS SECTION**

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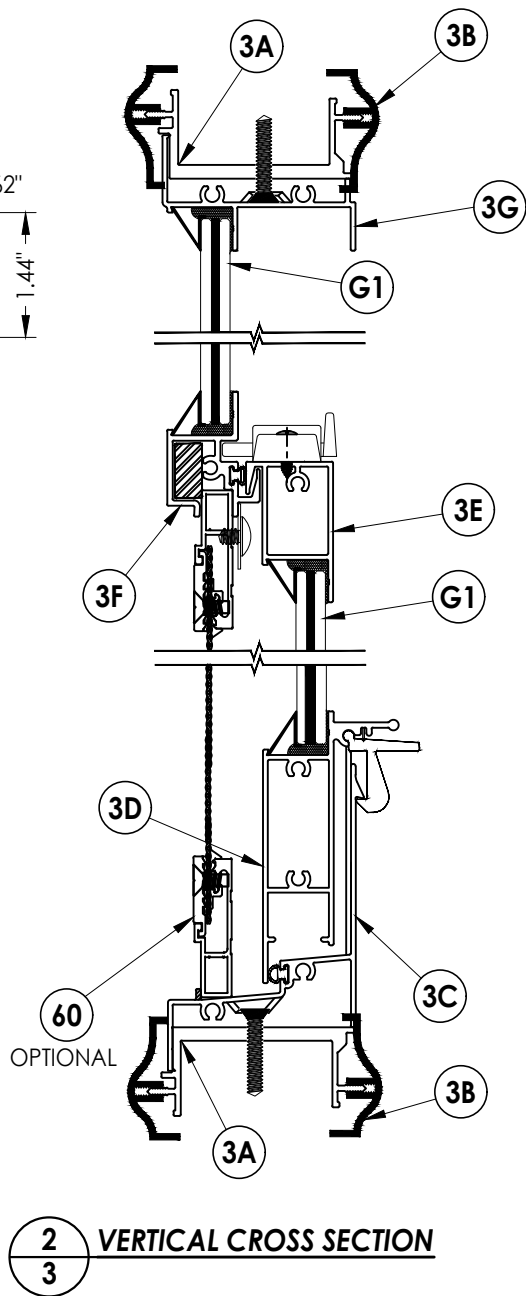
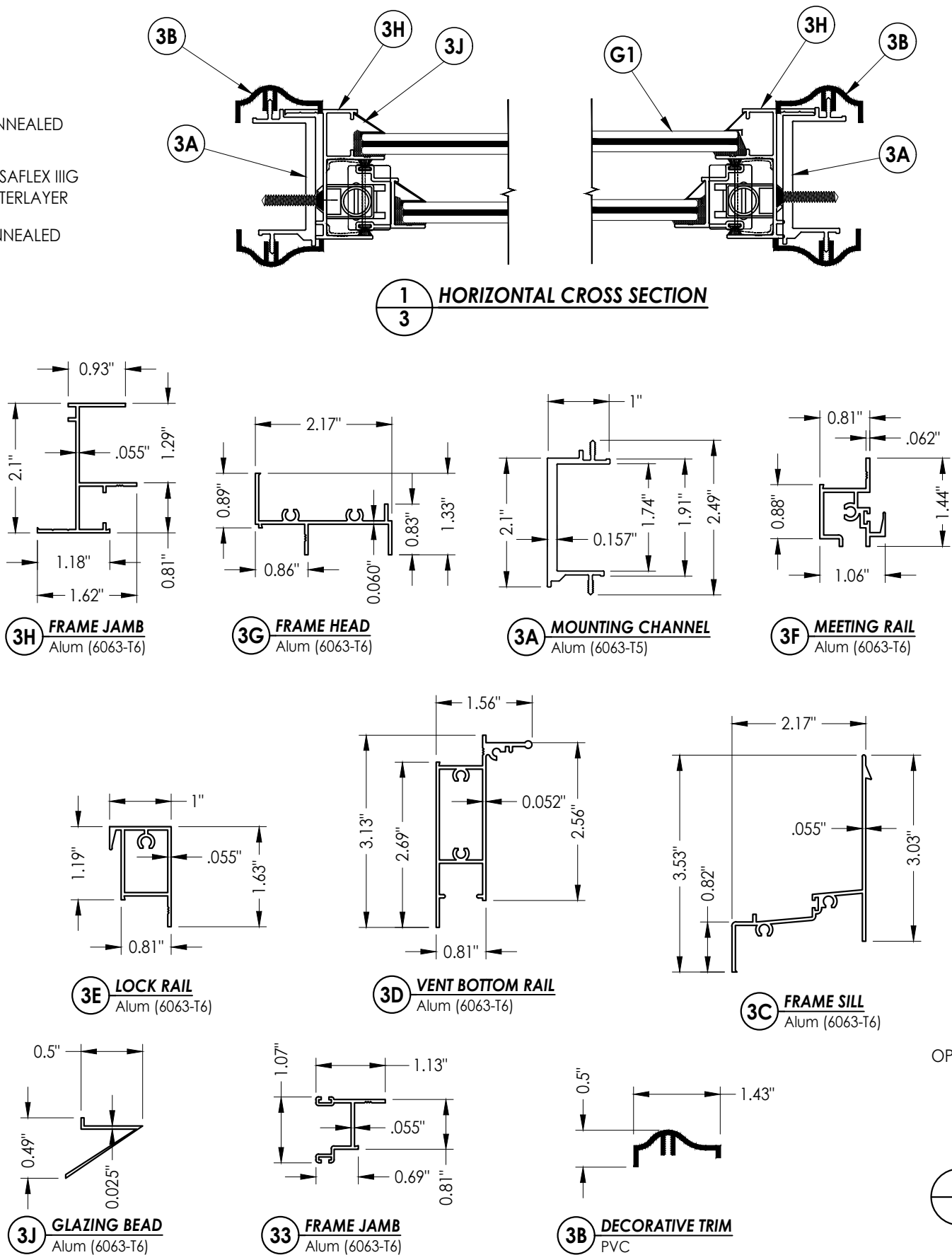
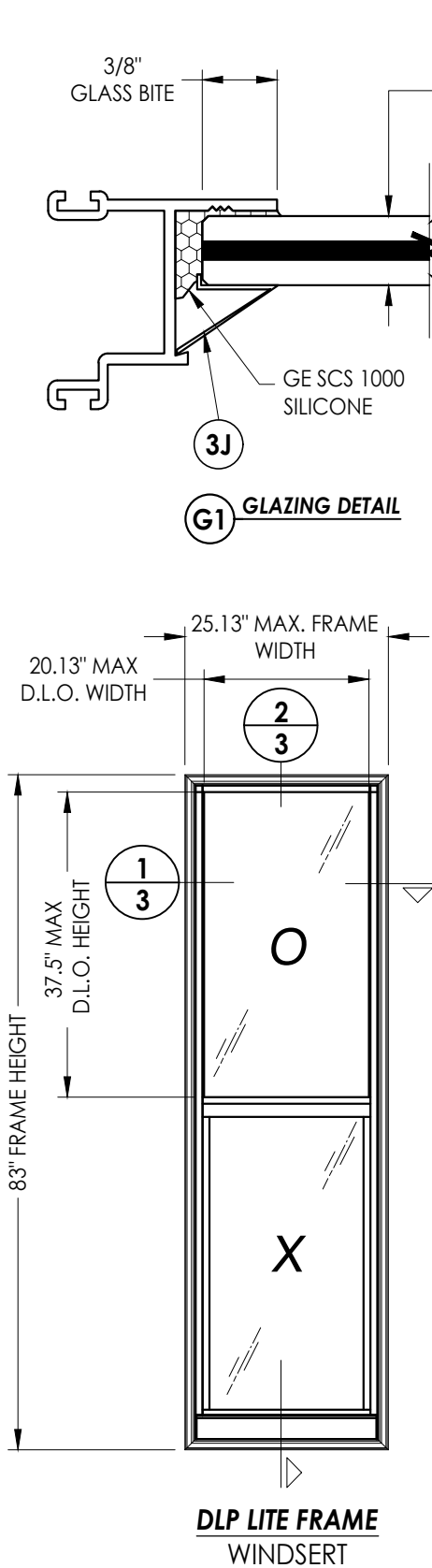
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

NO.	DATE	REVISIONS
4	8/17/23	UPDATE TO 8TH ED. (2023) FBC
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2	7/24/17	UPDATE TO 6TH ED. (2017) FBC
1	3/9/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 07/01/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15210.15
SHEET 2 OF 10

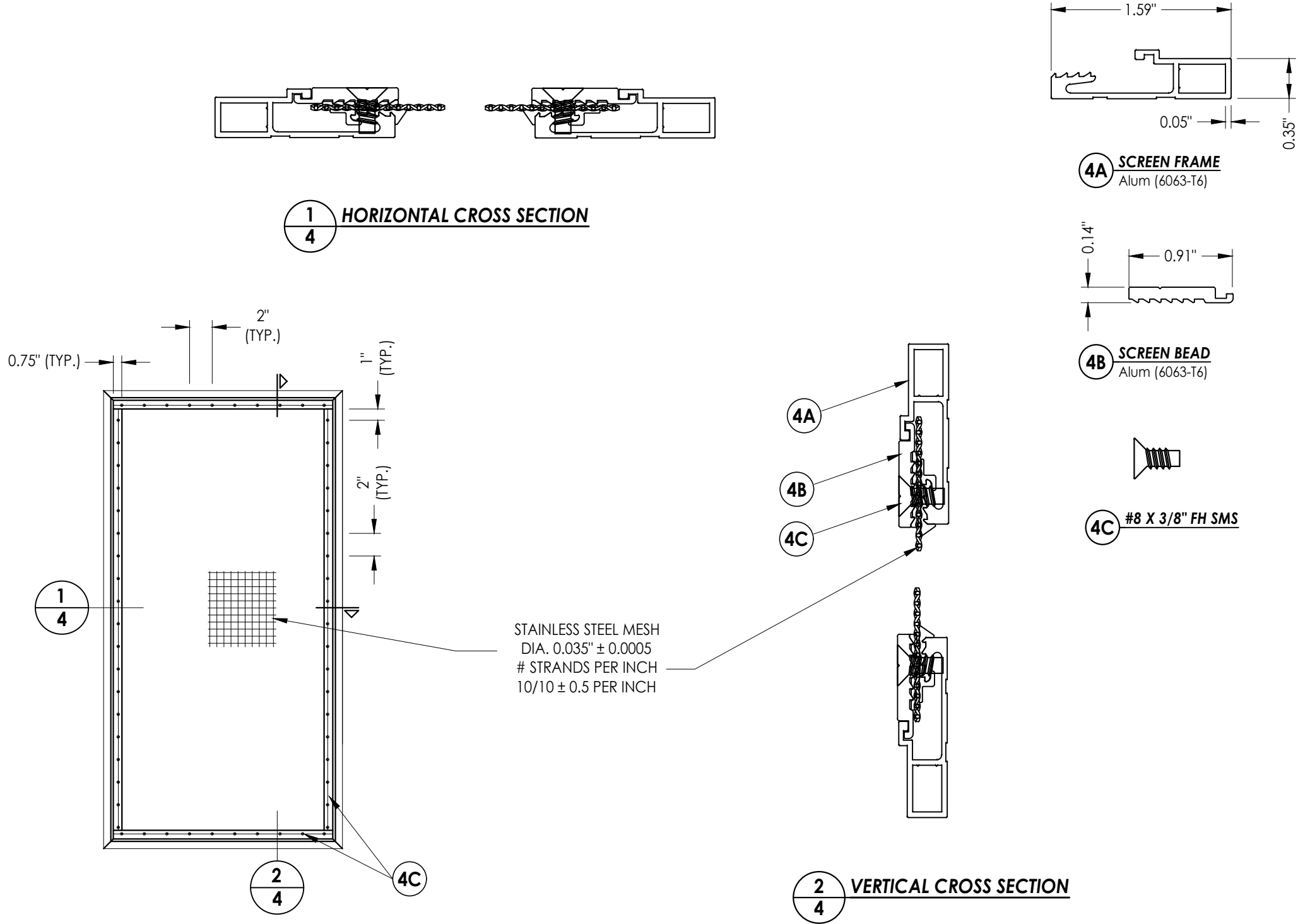
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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Documents Prepared By:		Lyndon F. Schmidt		P.E. No. 43409	
PRODUCT:		PLASTPRO INC.		FIBERGLASS DOOR	
PART OR ASSEMBLY:		LITE FRAME DETAILS		AND GLAZING DETAILS	
DATE: 07/01/14		SCALE: N.T.S.		DWG. BY: JK	
CHK. BY: LFS		DRAWING NO.: FL-15210.15		SHEET 3 OF 10	
NO.		DATE		BY	
4		8/17/23		UPDATE TO 8TH ED. (2023)	
3		7/27/20		UPDATE TO 7TH ED. (2020)	
2		7/24/17		UPDATE TO 6TH ED. (2017)	
1		3/9/15		UPDATE TO 5TH ED. (2014)	
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BUILDING CONSULTANTS, INC.		P.O. Box 230, Valrico, FL 33595		Phone No.: 813.659.9197	
FBPE Registry No. 9813					

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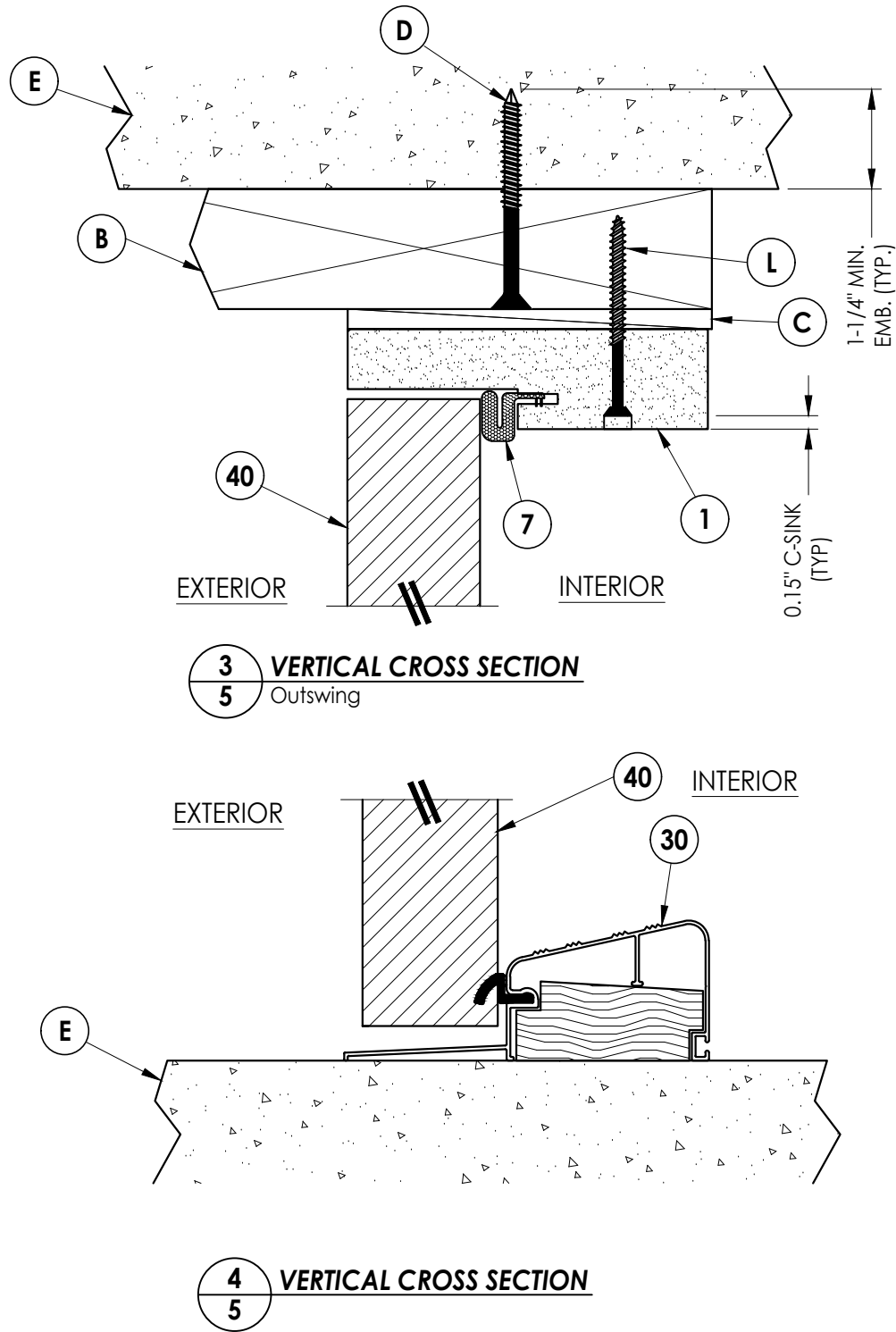
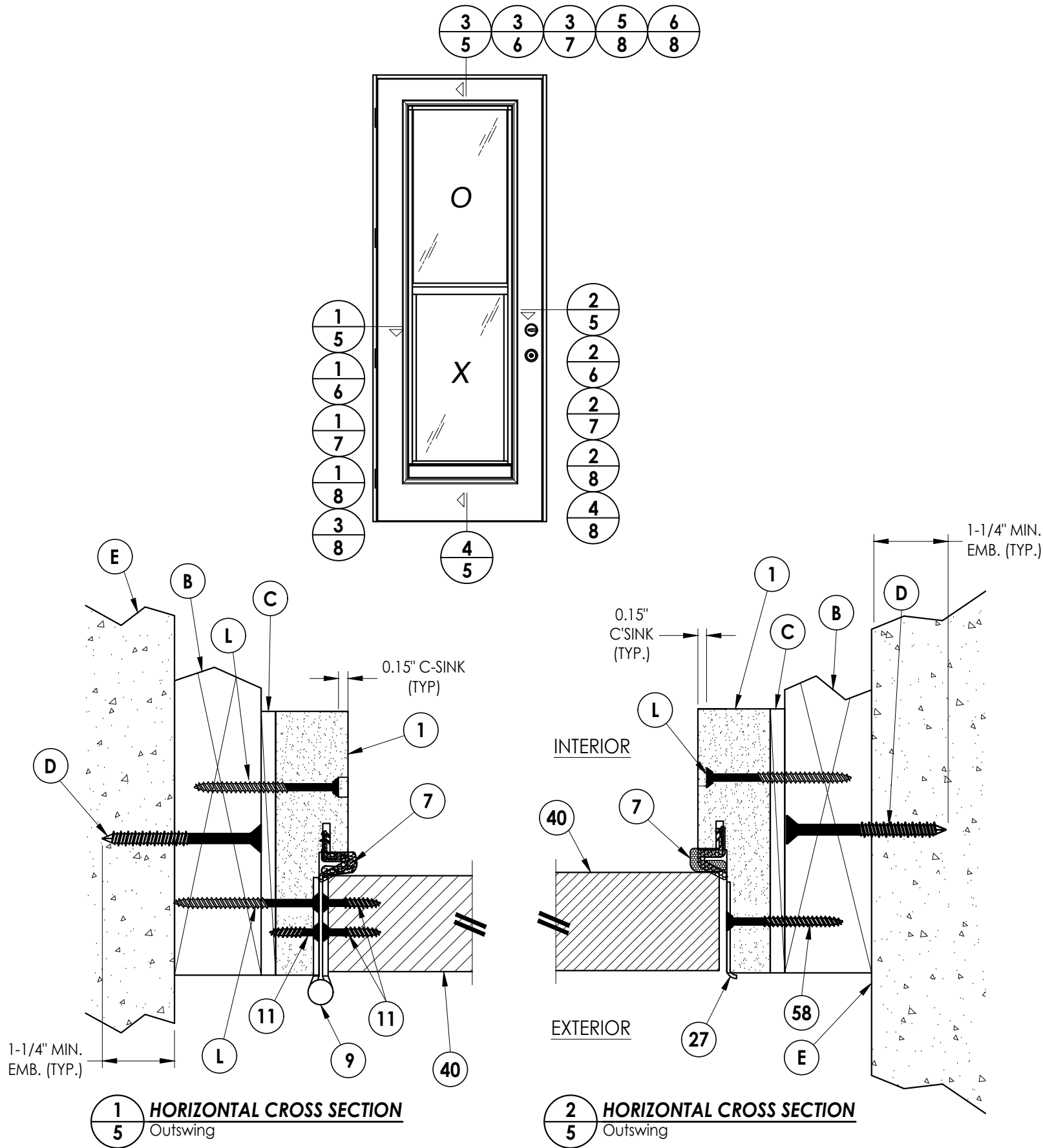


DATE: 07/01/14	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-15210.15	
SHEET 4 OF 10	
NO.	DATE
	REVISIONS
	BY
	JK
	JK
4	8/17/23 UPDATE TO 8TH ED. (2023) FBC LFS
3	7/27/20 UPDATE TO 7TH ED (2020) FBC LFS
2	7/24/17 UPDATE TO 6TH ED. (2017) FBC JK
1	3/9/15 UPDATE TO 5TH ED. (2014) FBC JK

PRODUCT:	
PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:	
SECURITY SCREEN DETAILS	

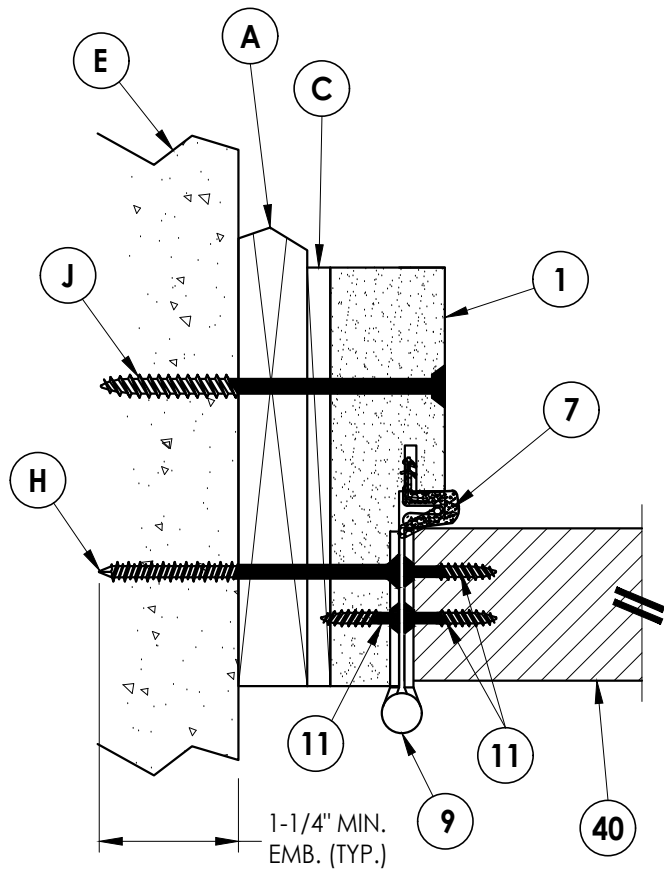
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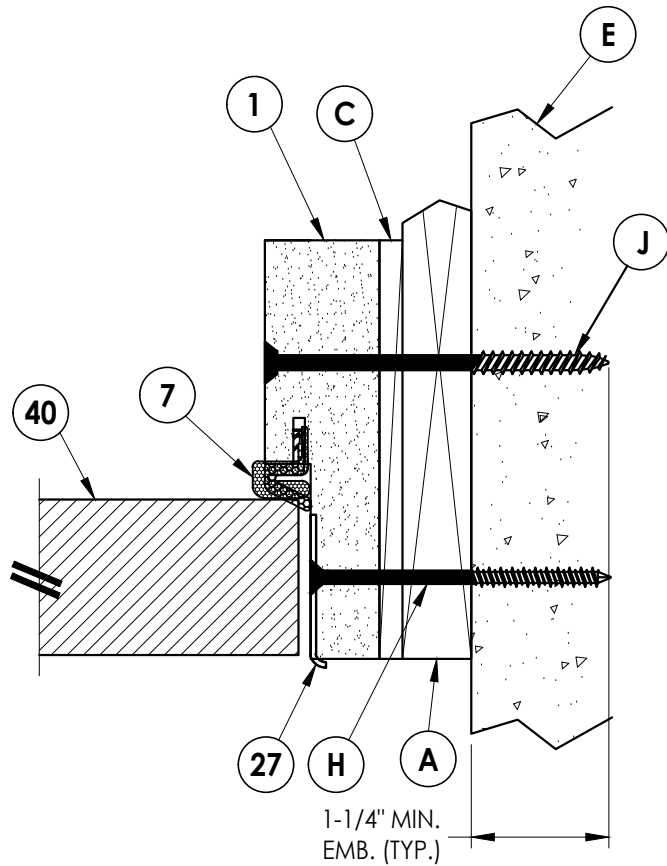
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PRODUCT: PLASTPRO INC. FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
4	8/17/23	UPDATE TO 8TH ED. (2023)	FBC
3	7/27/20	UPDATE TO 7TH ED. (2020)	FBC
2	7/24/17	UPDATE TO 6TH ED. (2017)	JK
1	3/9/15	UPDATE TO 5TH ED. (2014)	FBC
NO.	DATE	REVISIONS	
DATE: 07/01/14		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-15210.15		SHEET 5 OF 10	

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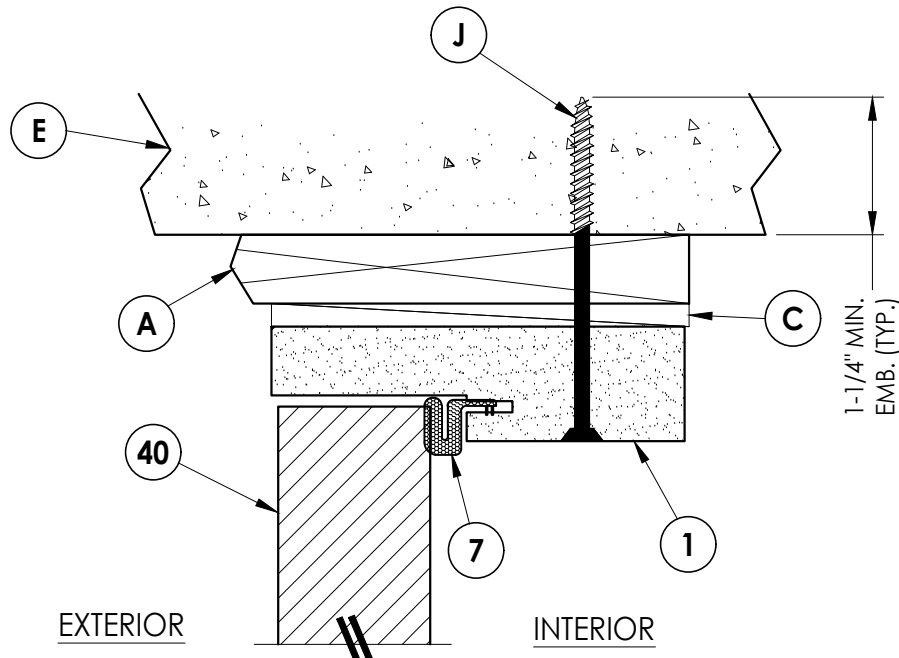


1
6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing

INTERIOR
EXTERIOR



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



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

DATE: 07/01/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15210.15

SHEET 6 OF 10

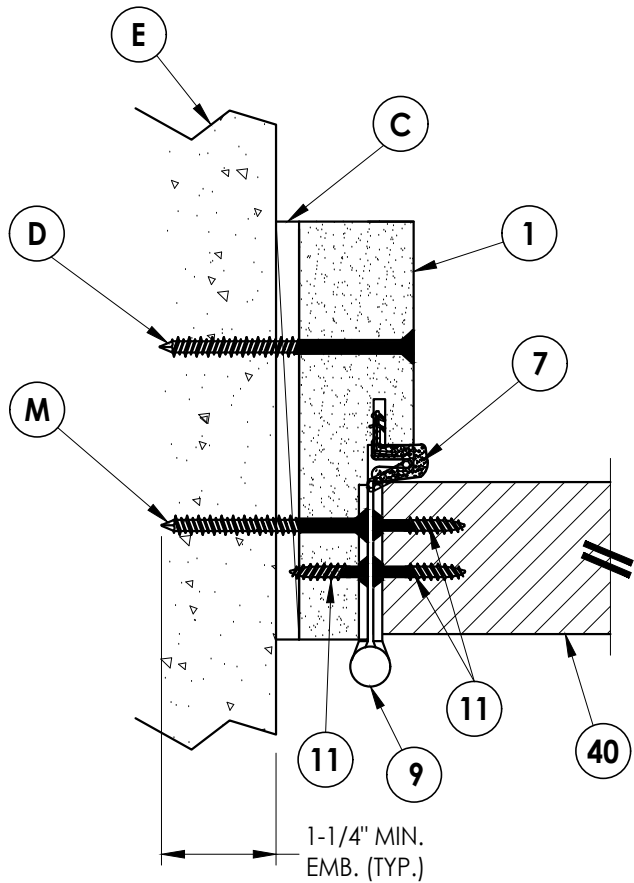
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)

Documents Prepared By:
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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

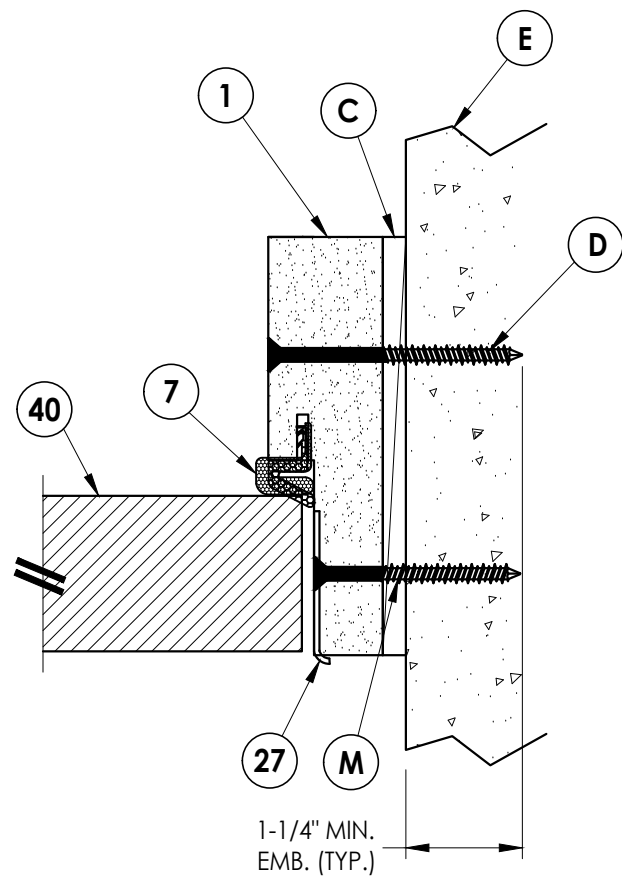
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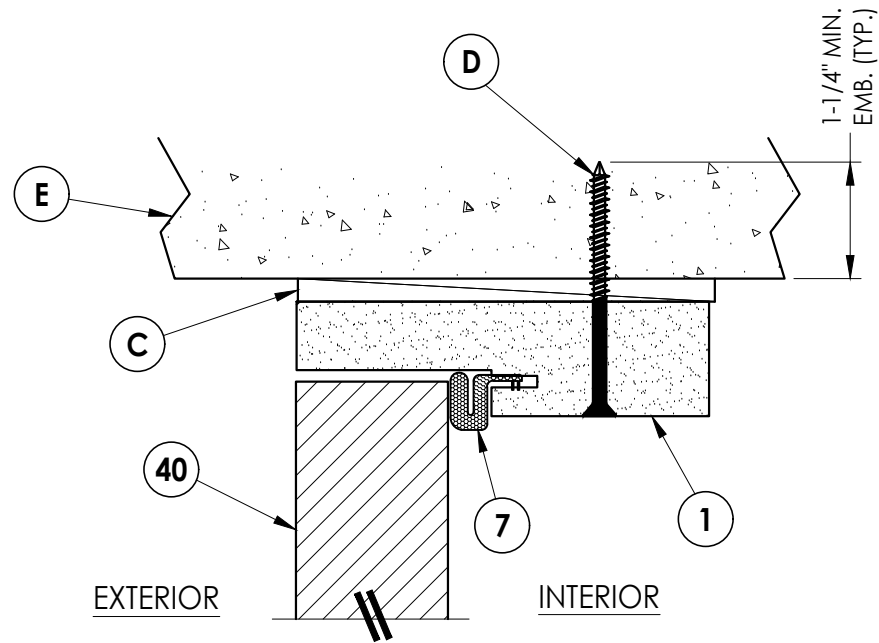
1
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing

INTERIOR

EXTERIOR



2
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing



3
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing

DATE: 07/01/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15210.15

SHEET 7 OF 10

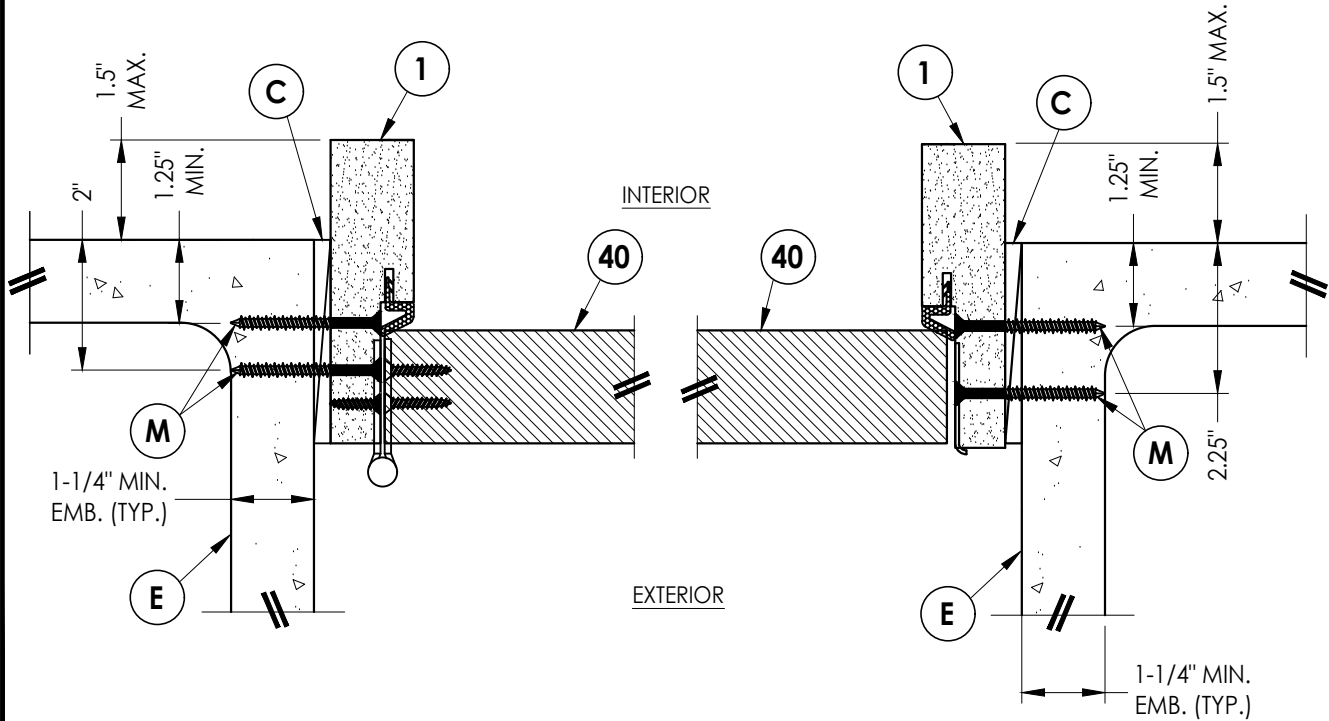
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL CROSS
SECTIONS (DIRECT TO MASONRY)

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P.E. No. 43409

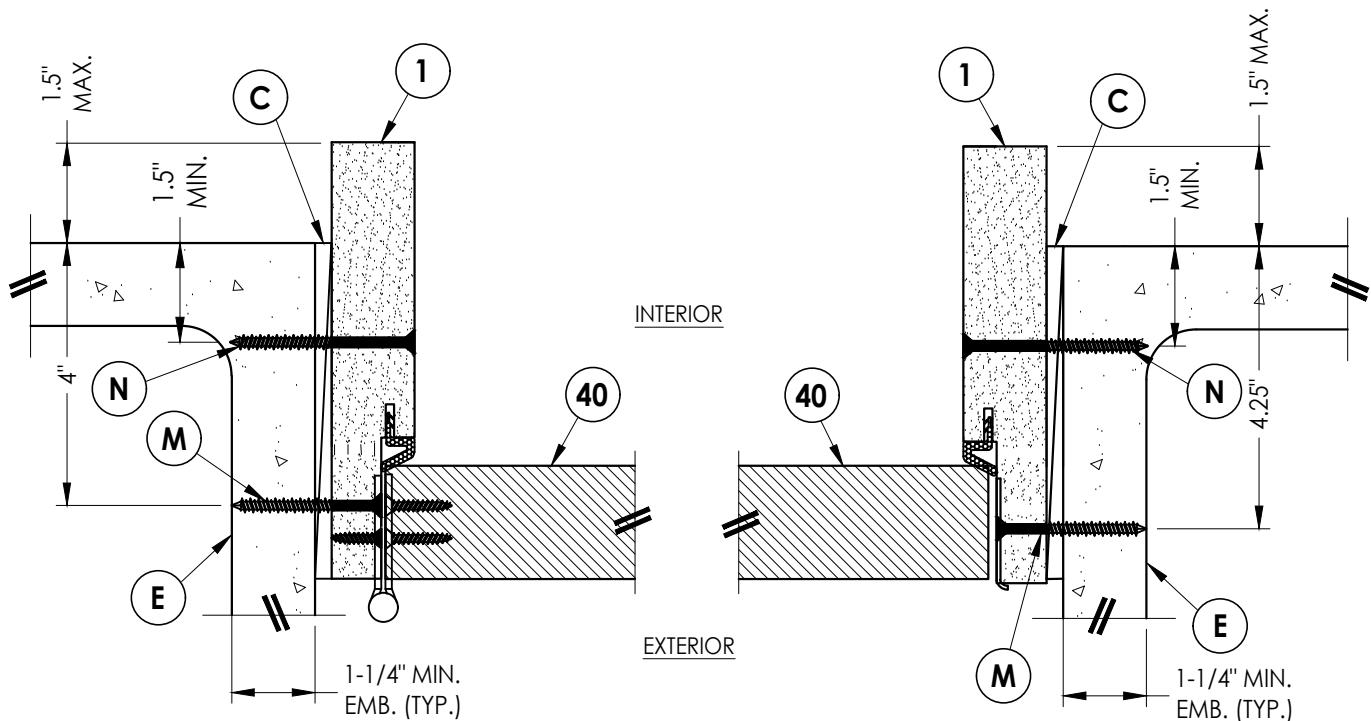
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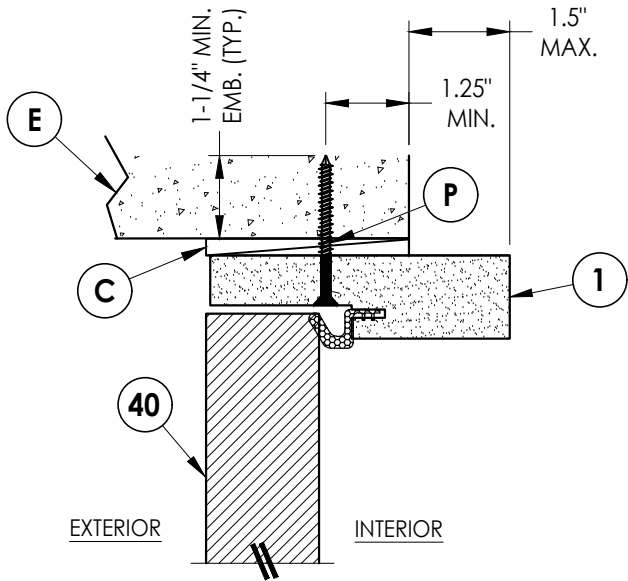
1
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb

2
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb

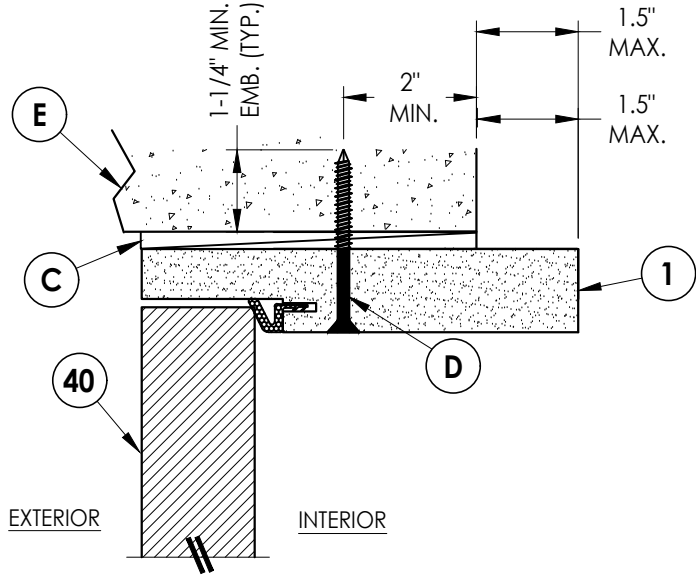


3
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

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



5
8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



6
8 **VERTICAL CROSS SECTION**
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)	

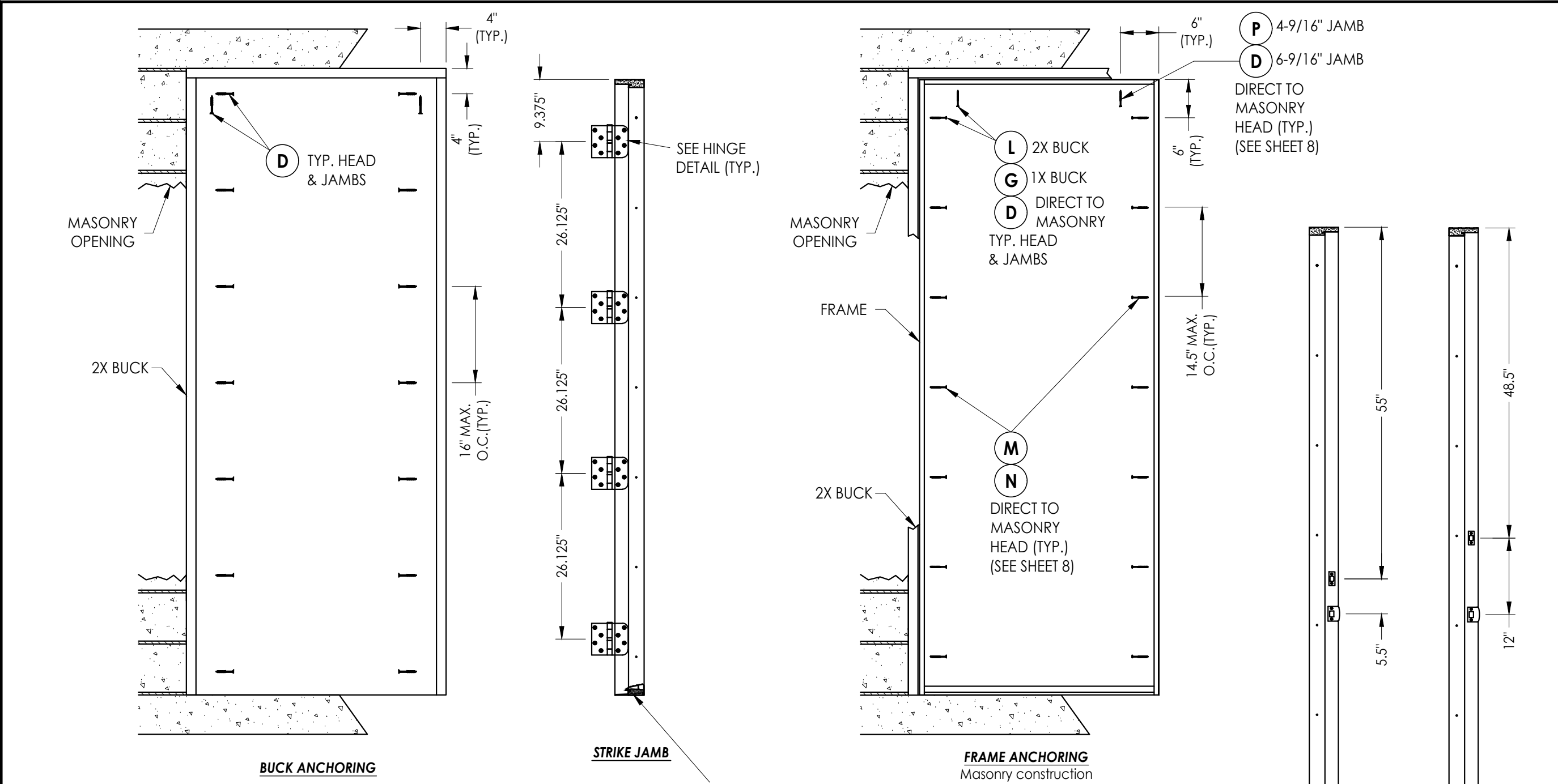
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4	8/17/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
3	7/27/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS
2	7/24/17	UPDATE TO 6TH ED.	(2017)	FBC	JK
1	3/9/15	UPDATE TO 5TH ED.	(2014)	FBC	JK
NO.	DATE				

DATE: 07/01/14	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-15210.15	
SHEET 8 OF 10	

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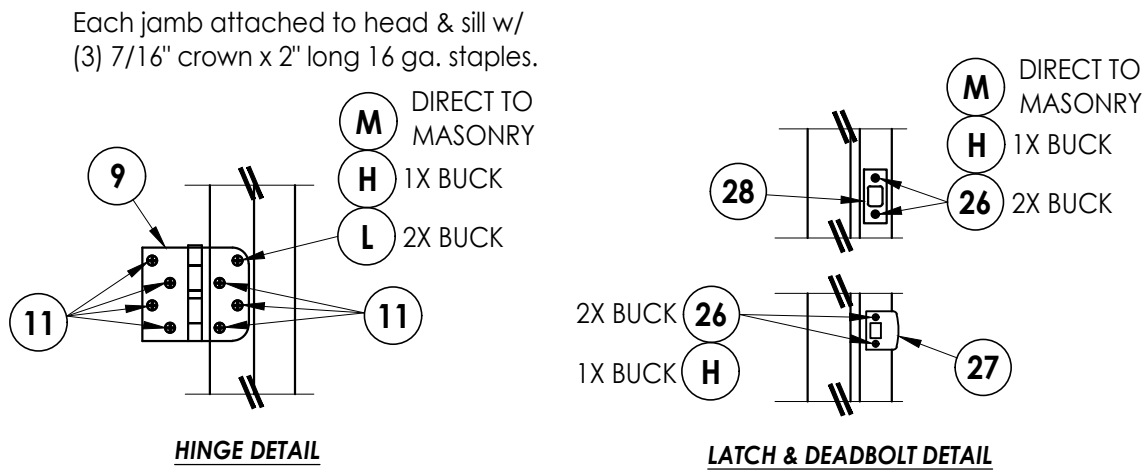
CONCRETE ANCHOR NOTES:

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

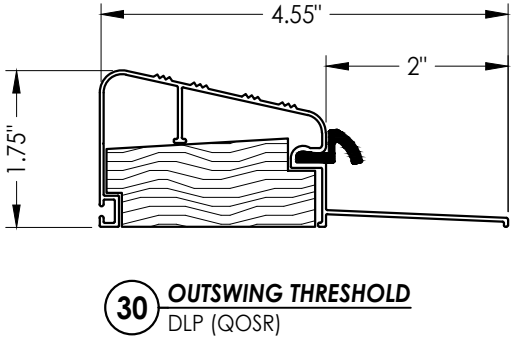
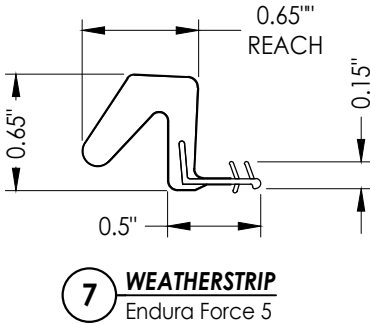
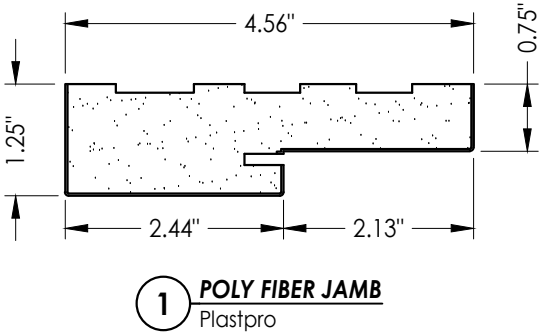
WOOD SCREW INSTALLATION NOTES:

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



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PRODUCT: PLASTPRO INC. FIBERGLASS DOOR		PART OR ASSEMBLY: BUCK AND FRAME ANCHORING	
4	8/17/23	UPDATE TO 8TH ED. (2023)	FBC
3	7/27/20	UPDATE TO 7TH ED. (2020)	FBC
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC
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DATE: 07/01/14		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-15210.15		SHEET 9 OF 10	

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
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" 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	POLY FIBER
7	WEATHERSTRIP	FOAM
9	4" X 4" BUTT HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
12	BULB VINYL WEATHERSTRIP	VINYL
25	#12 X 1" PFH SELF DRILLING SMS	STEEL
27	LATCH STRIKE PLATE	STEEL
29	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
30	OUTSWING THRESHOLD	ALUM/WOOD
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
58	#8 X 2" PFH WS	STEEL
60	SECURITY SCREEN - SEE SECURITY SCREEN DETAIL SHEET FOR CONSTRUCTION DETAILS	-



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PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		BILL OF MATERIALS AND COMPONENTS	
4	8/17/23	UPDATE TO 8TH ED. (2023)	FBC LFS
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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SHEET 10		OF 10	