



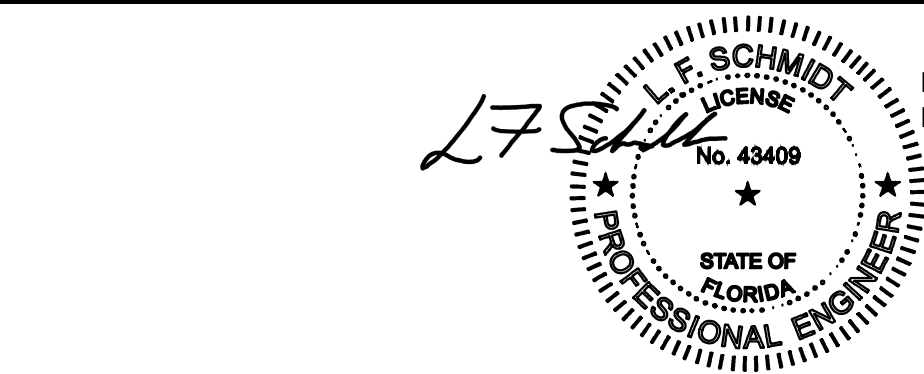
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

DIRECT GLAZED FIBERGLASS DOORS
SINGLES w/ SIDELITE(S)
INSWING / 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 excluding 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 areas 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 excludes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

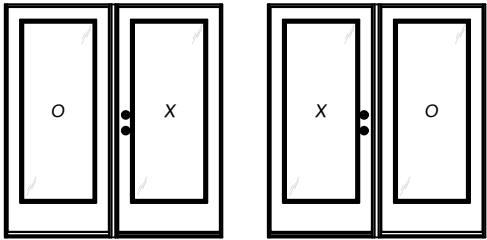
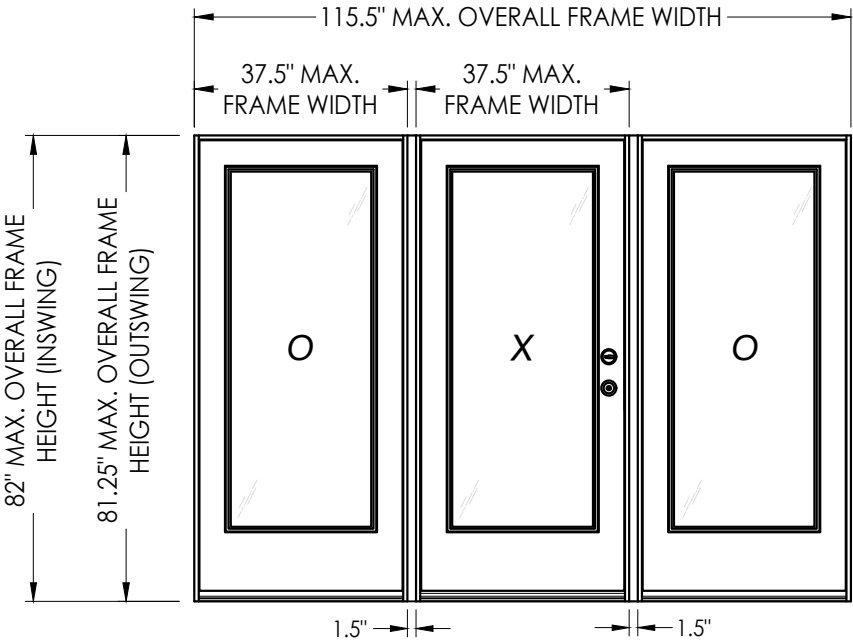
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Digitally signed by Lyndon F Schmidt
Date: 2023.08.10 16:34:55 -04'00'

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



OX

XO

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX/XO	76.5" x 82.0"	+45.0	-50.0	+45.0	-45.0
OXO	115.5" x 82.0"	+45.0	-50.0	+45.0	-45.0

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

PLASTPRO INC
FIBERGLASS DOOR

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

28/10/23UPDATE TO 8TH ED. (2023) FBC

17/23/20UPDATE TO 7TH ED (2020) FBC

NO.1DATE

REVISIONS

DATE: 10/14/19

SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

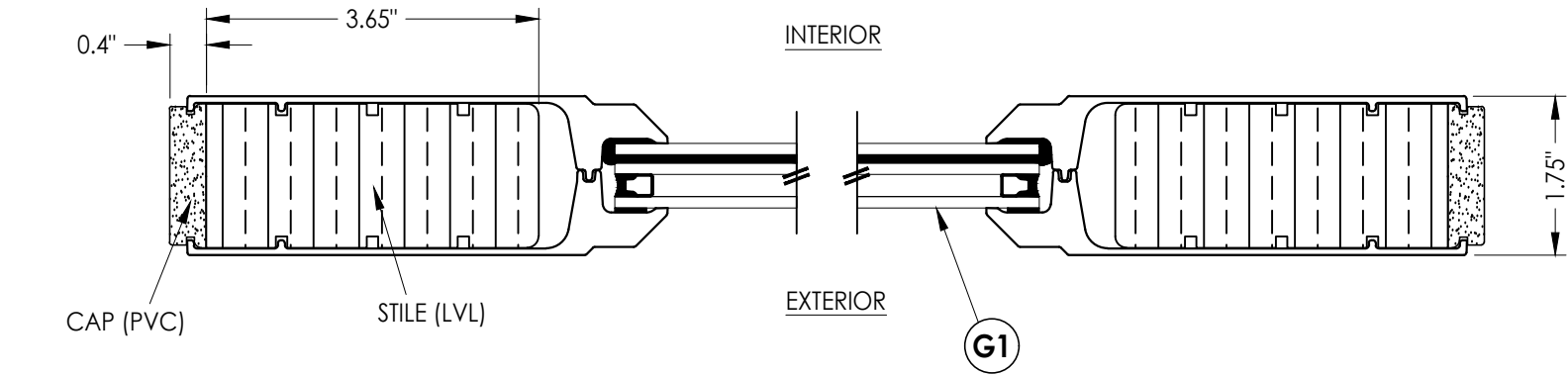
DRAWING NO.: FL-28685.11

SHEET 1 OF 14

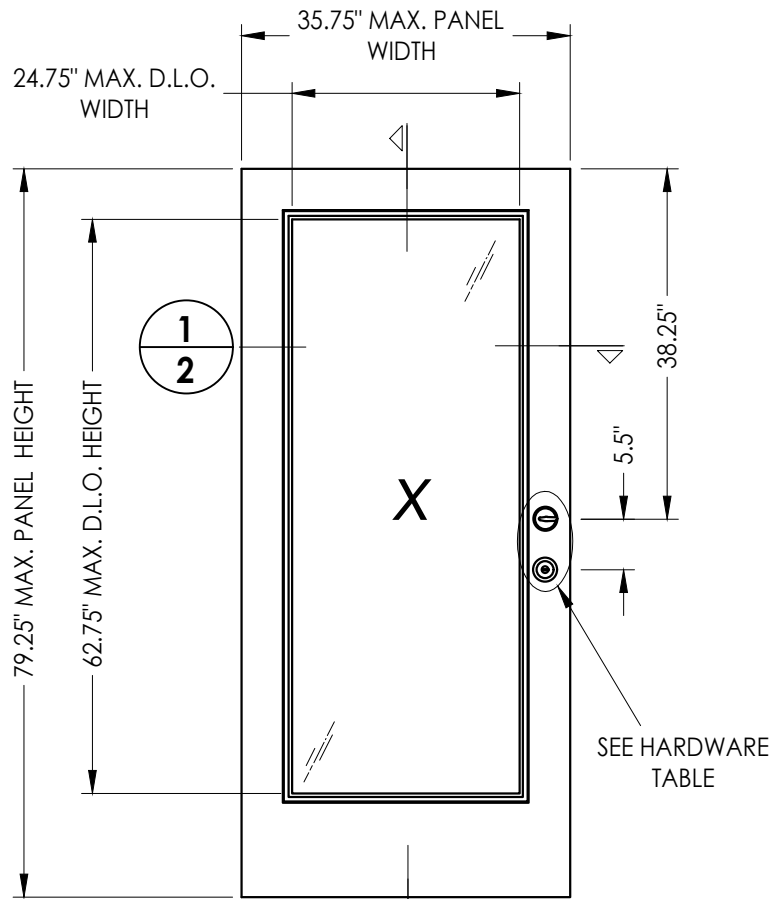
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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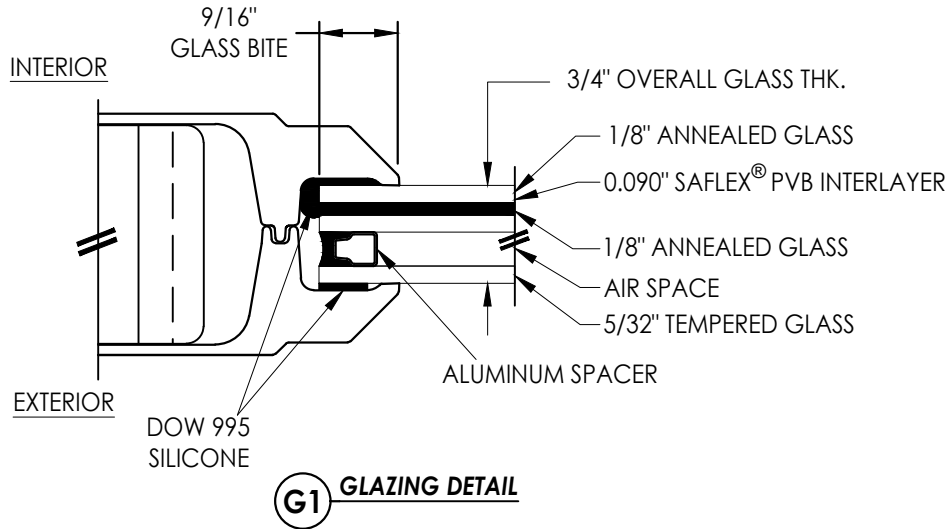
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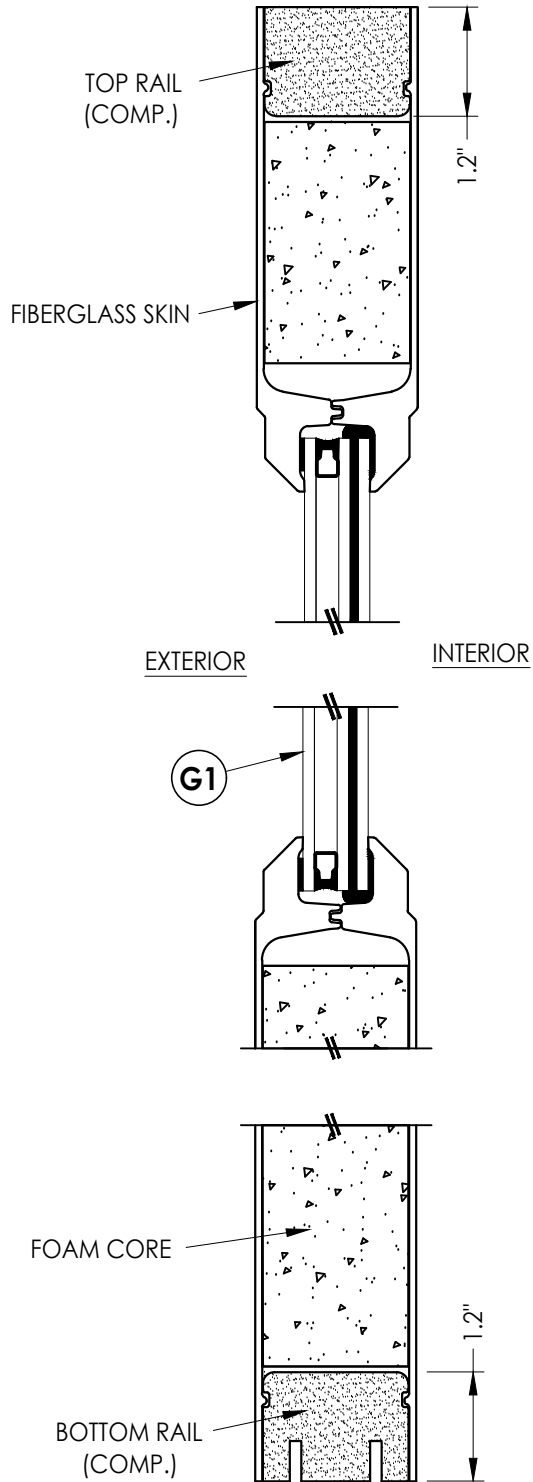
1
2
HORIZONTAL CROSS SECTION



- 40 PLASTPRO DOOR PANEL
50 PLASTPRO SIDELITE PANEL



HARDWARE TABLE		
MANUFACTURER	MODEL	
YALE	Knob:	YH COLLECTION
	Deadbolt:	YH COLLECTION
KWIKSET	Knob:	SIGNATURE SERIES
	Deadbolt:	SIGNATURE SERIES (980)
SCHLAGE	Knob:	F-SERIES (F51)
	Deadbolt:	B-SERIES (B60)



2
2
VERTICAL CROSS SECTION

FIBERGLASS SKIN: 0.075" MIN. THK.
FOAM CORE: XPS FOAM (1.3 PCF MIN. DENSITY)

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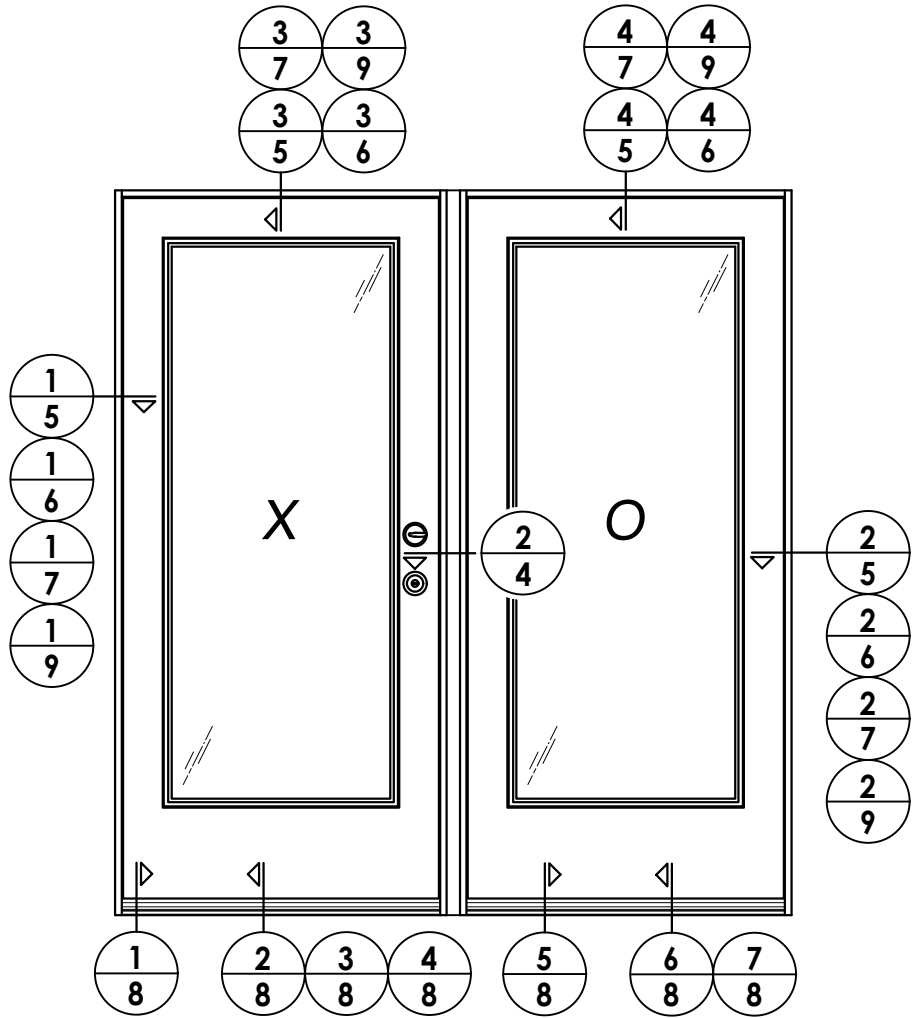
PRODUCT:
PLASTPRO INC
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR & SIDELITE
PANEL DETAILS

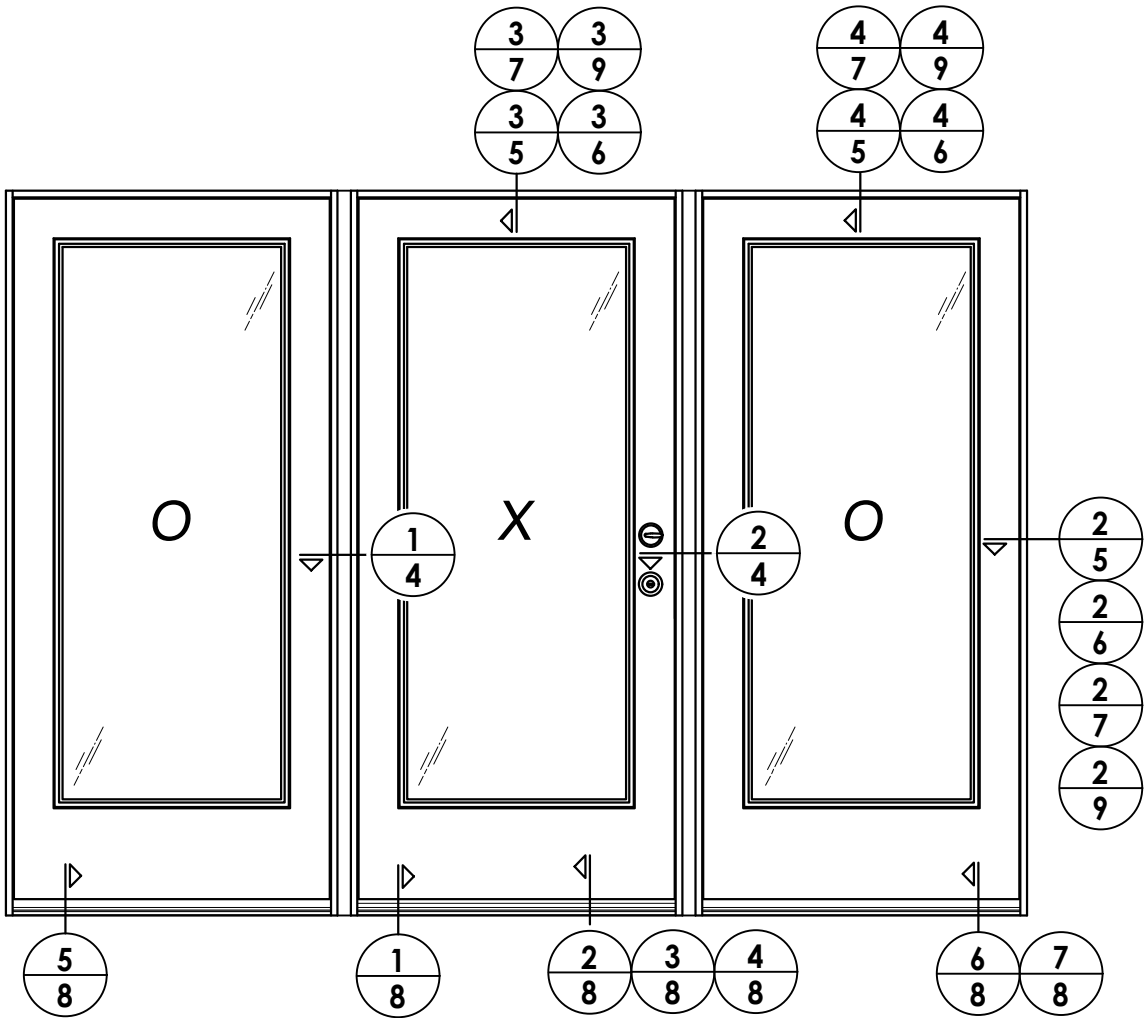
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1	7/23/20	LFS	UPDATE TO 7TH ED (2020) FBC

DATE: 10/14/19
SCALE: N.T.S.
DWG. BY: TRJ
CHK. BY: LFS
DRAWING NO.: FL-28685.11
SHEET 2 OF 14

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ELEVATION
XO / OX



ELEVATION
OXO

DATE: 10/14/19	
SCALE: N.T.S.	
DWG. BY: TRJ	
CHK. BY: LFS	
DRAWING NO.: FL-28685.11	
SHEET 3	OF 14

REVISIONS	
NO.	DATE
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1	7/23/20

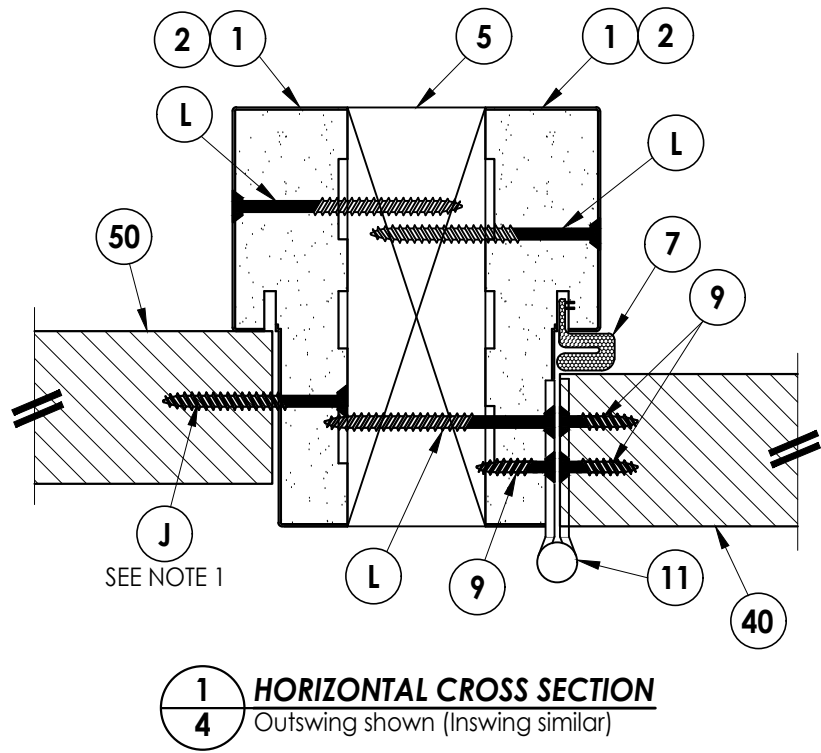
PRODUCT: PLASTPRO INC FIBERGLASS DOOR	
PART OR ASSEMBLY: ELEVATIONS	

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Lyndon F. Schmidt
P.E. No. 43409

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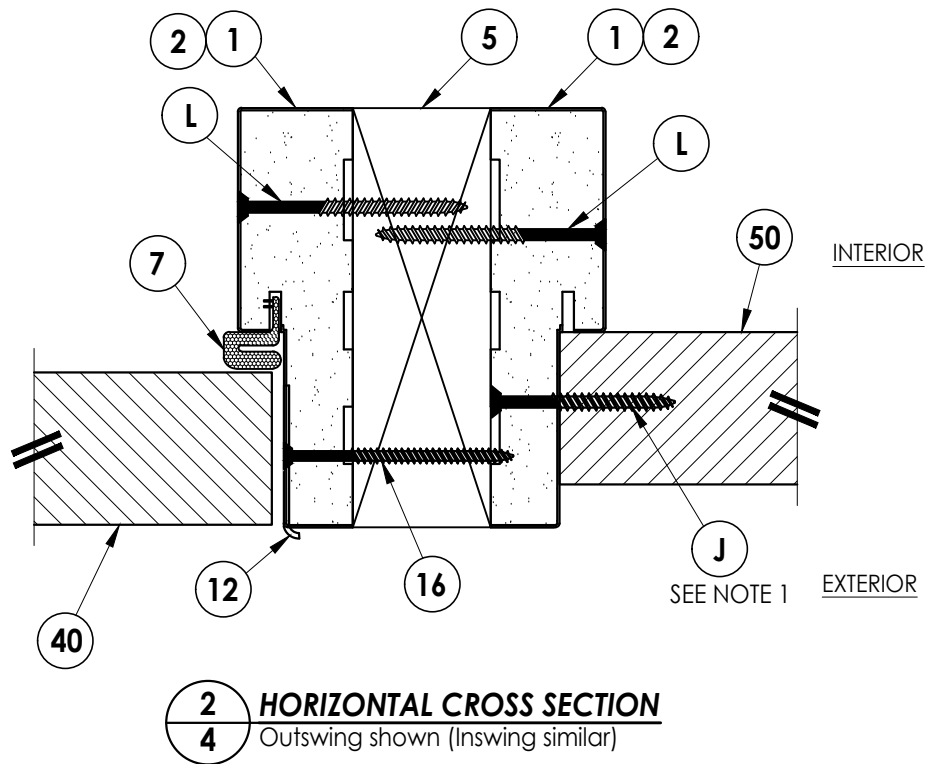
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NOTE:
1. Spacing for item J: 6" from each end and 4 more
equally spaced along sidelite jamb (6 total).



INTERIOR

EXTERIOR

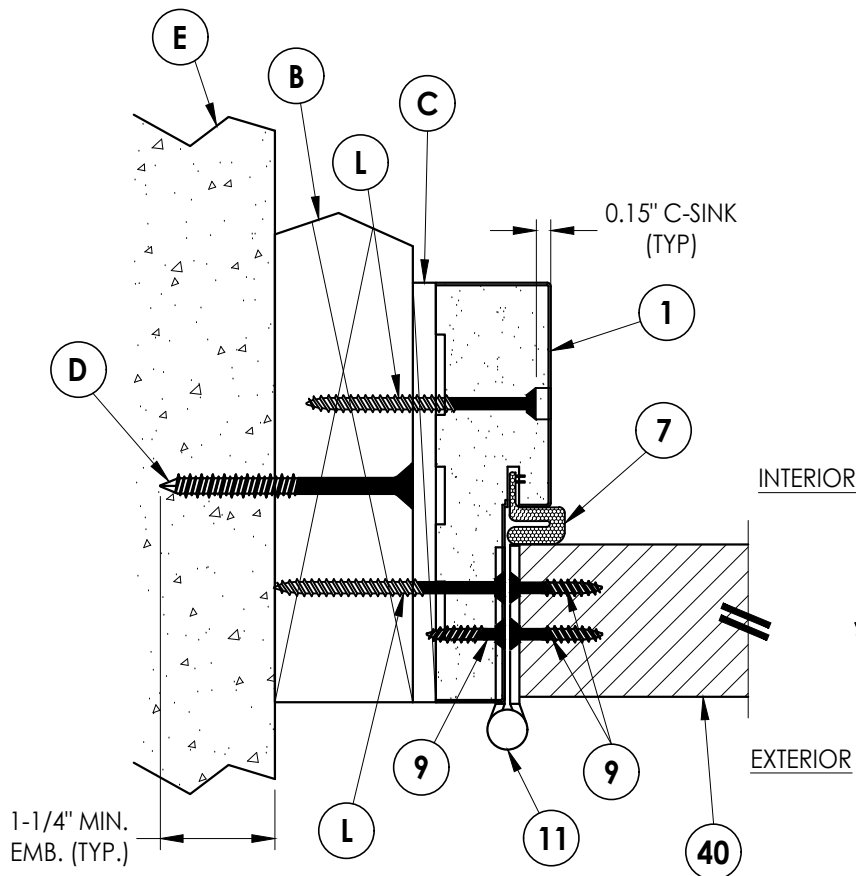


INTERIOR

EXTERIOR

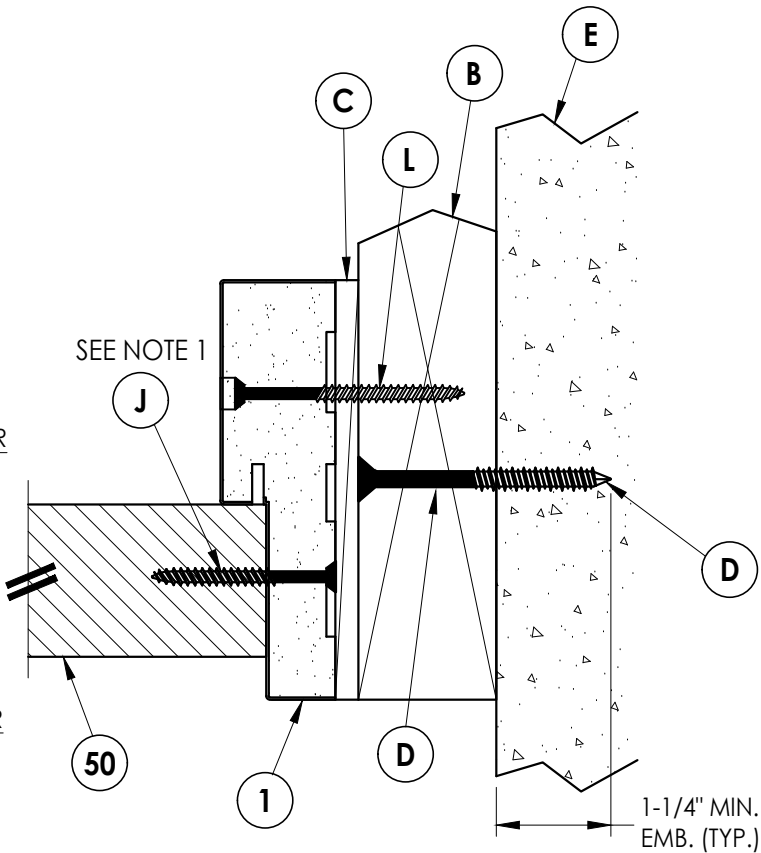
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813				
PRODUCT: PLASTPRO INC FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS				
		2	8/10/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
		1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS
		NO.	DATE			BY
REVISIONS						
DATE: 10/14/19						
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DWG. BY: TRJ						
CHK. BY: LFS						
DRAWING NO.: FL-28685.11						
SHEET 4 OF 14						

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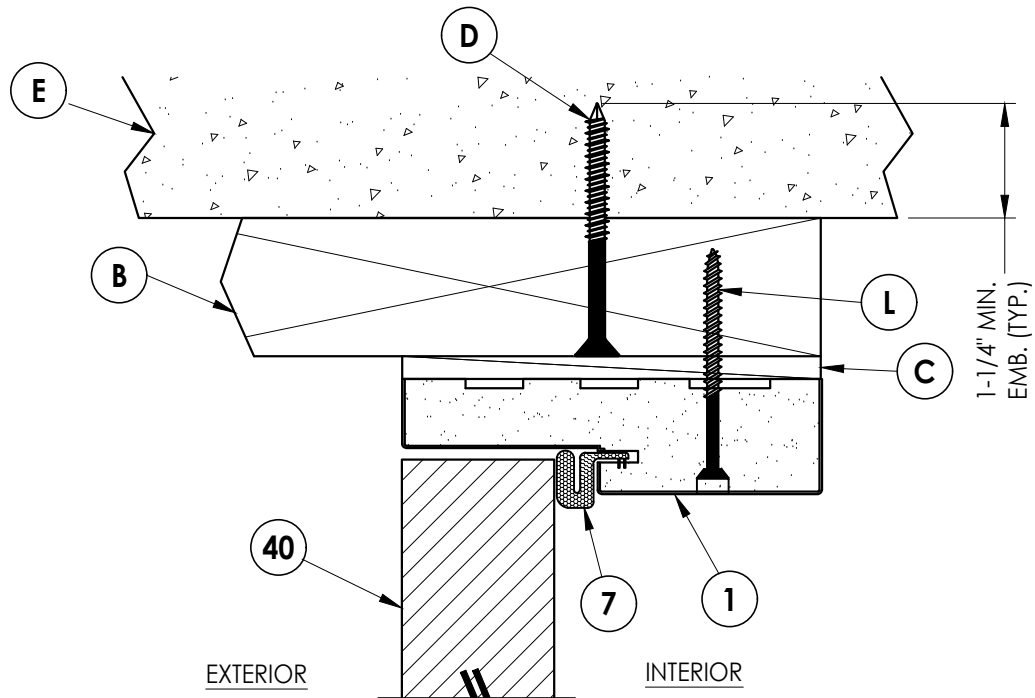


1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)

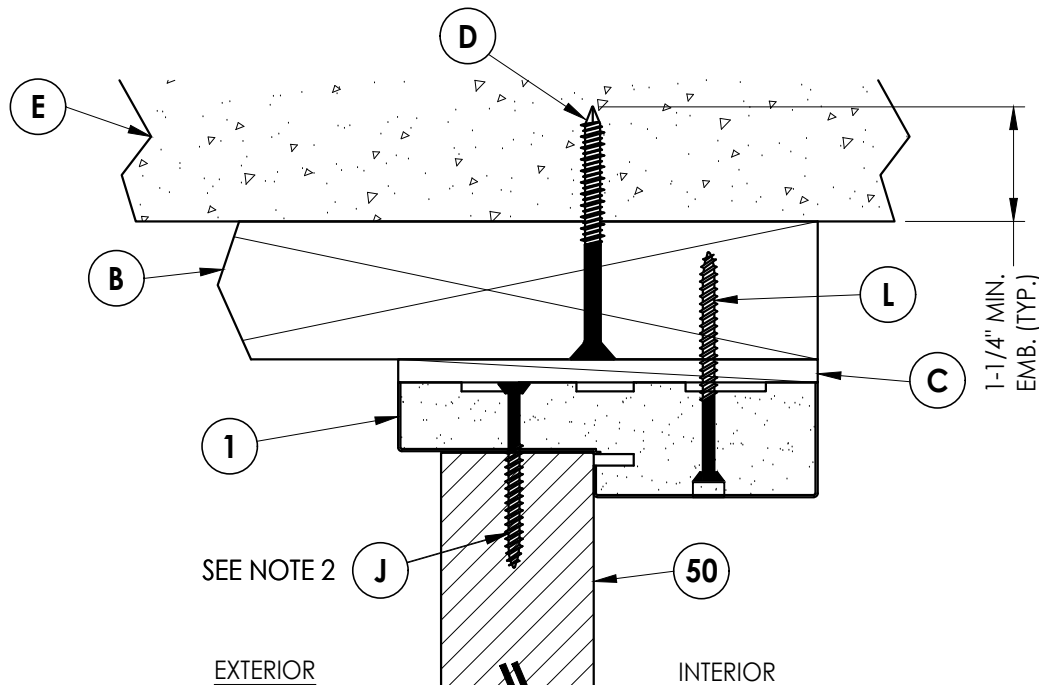
- NOTES:
1. Spacing for item J & L: 6" from each end and 4 more equally spaced along sidelite jamb (6 total).
 2. Spacing for item J @ head & sill: 6" from ends (2 total).



2
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



3
5 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



4
5 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)

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

PRODUCT: PLASTPRO INC
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

DATE: 10/14/19

SCALE: N.T.S.

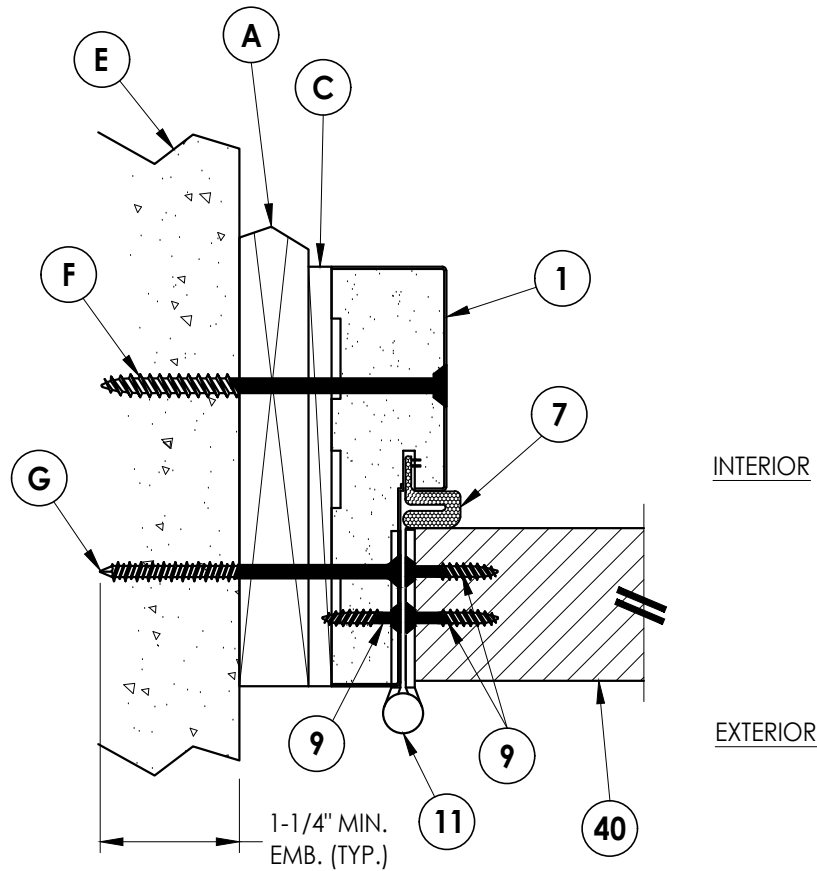
DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.:
FL-28685.11

SHEET 5 OF 14

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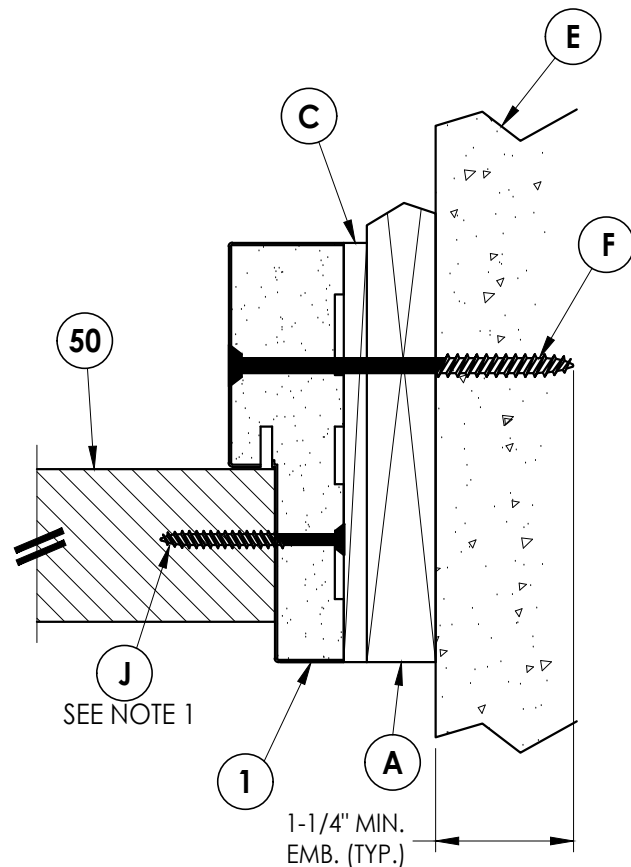


1 **HORIZONTAL CROSS SECTION**

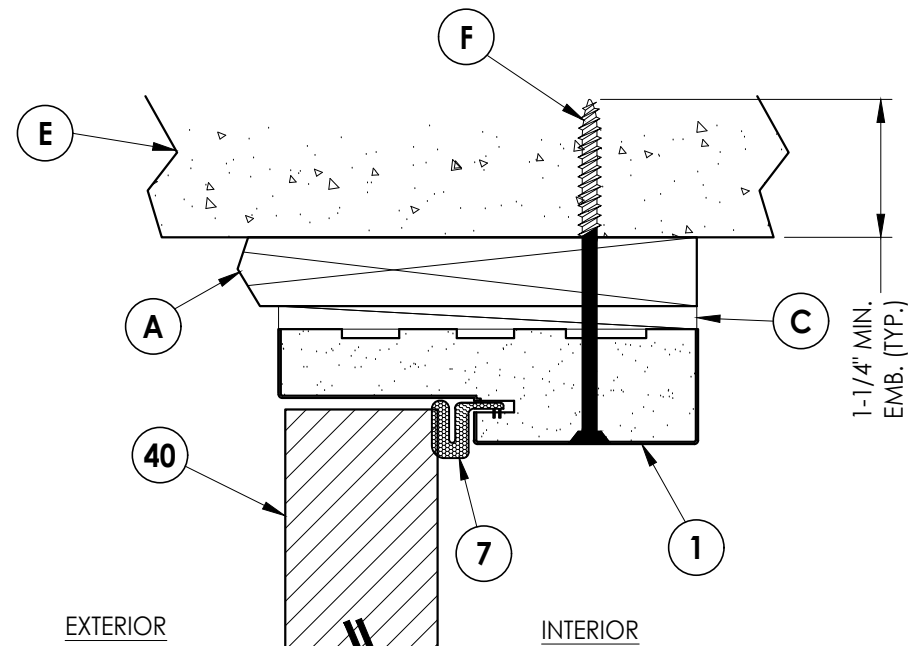
6 Shown w/ 1X Buck
Outswing shown (Inswing similar)

NOTES:

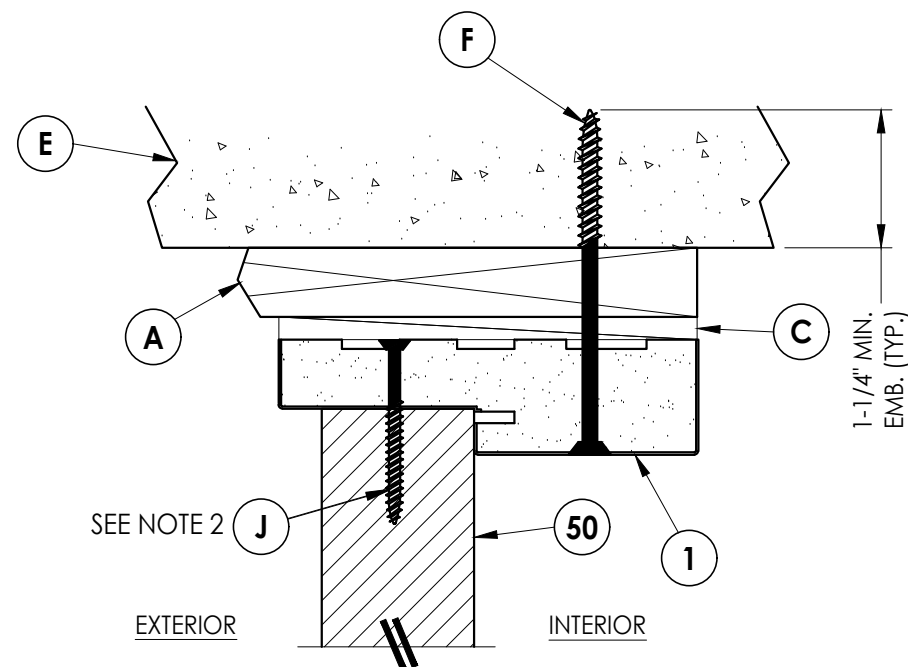
1. Spacing for item J: 6" from each end and 4 more equally spaced along sidelite jamb (6 total).
2. Spacing for item J @ head & sill: 6" from ends (2 total).



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



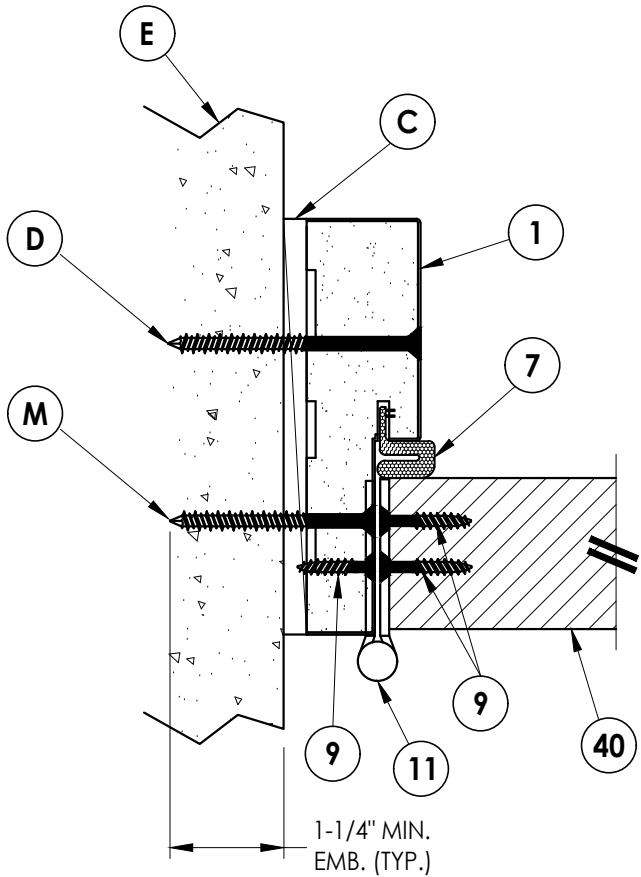
3 **VERTICAL CROSS SECTION**
6 Shown w/ 1X Buck
 Outswing shown (Inswing similar)



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

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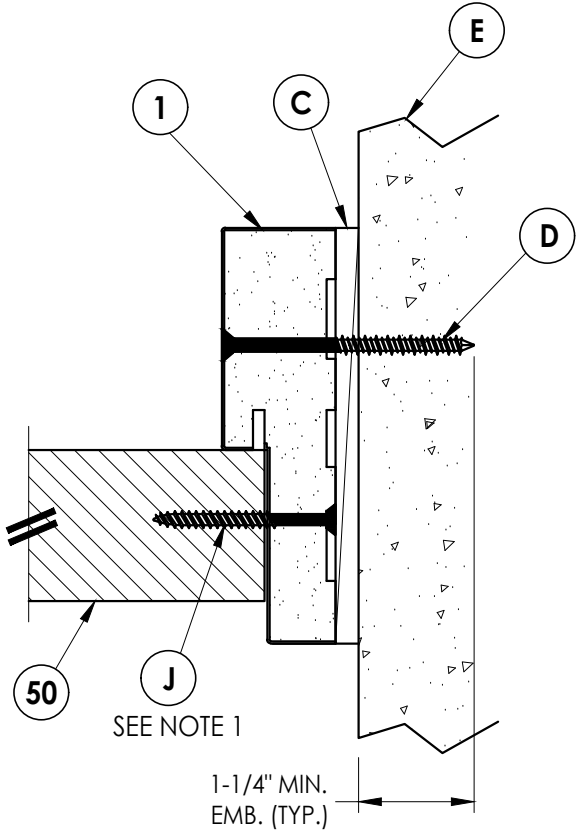
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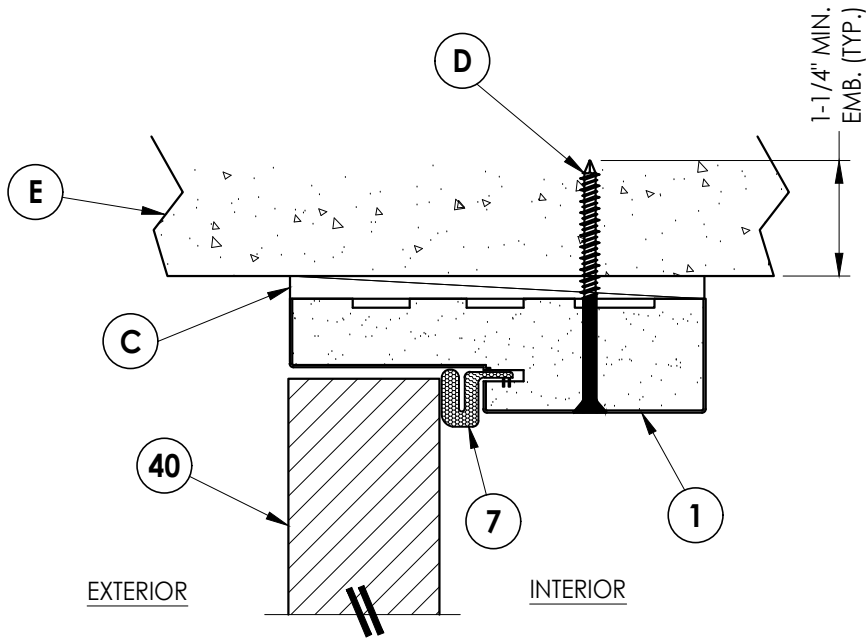
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7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

NOTES:

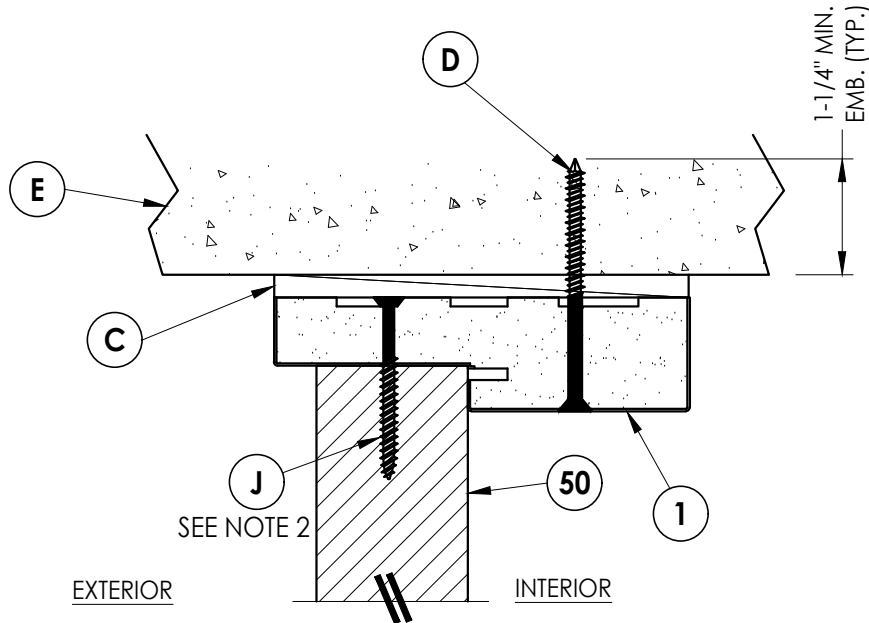
1. Spacing for item J: 6" from each end and 4 more equally spaced along sidelite jamb (6 total).
2. Spacing for item J @ head & sill: 6" from ends (2 total).



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

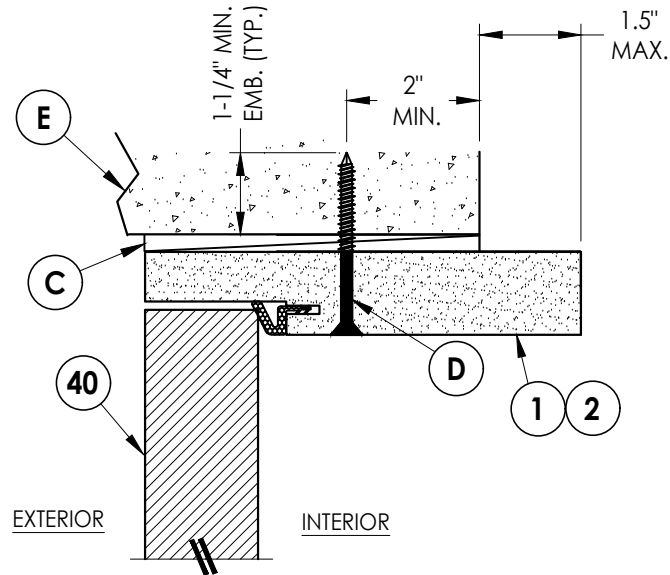


3
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

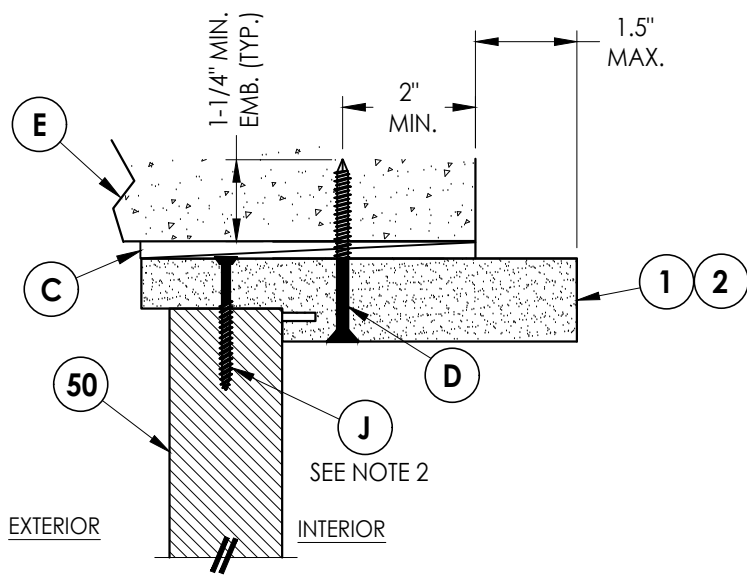


4
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

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PRODUCT: PLASTPRO INC FIBERGLASS DOOR				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)			
				LFS	FBC	BY	
				8/10/23	UPDATE TO 8TH ED. (2023)		
				7/23/20	UPDATE TO 7TH ED (2020)		
				NO.	DATE		
				REVISIONS			
DATE: 10/14/19							
SCALE: N.T.S.							
DWG. BY: TRJ							
CHK. BY: LFS							
DRAWING NO.: FL-28685.11							
SHEET 7 OF 14							

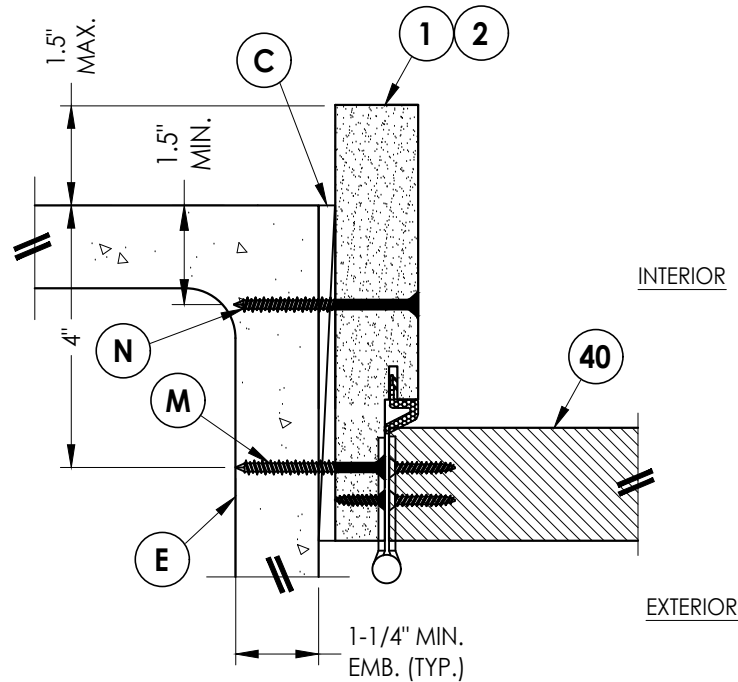


3
9 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

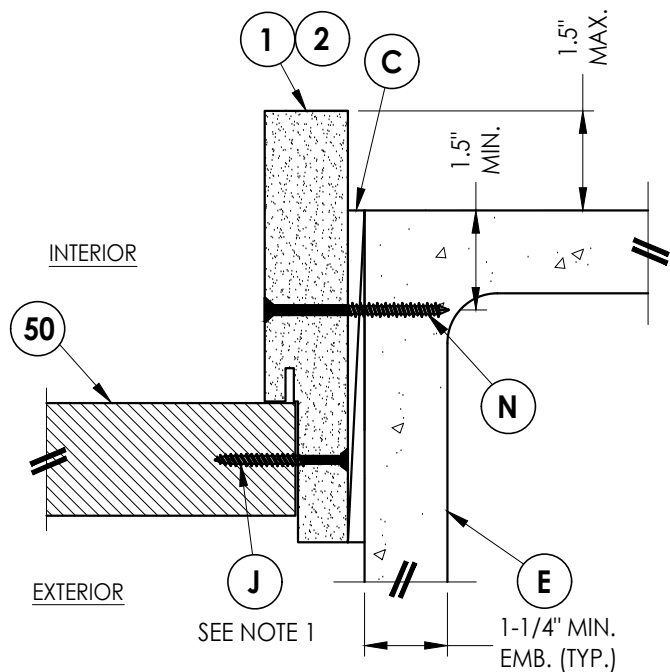


4
9 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

- NOTES:
1. Spacing for item J: 6" from each end and 4 more equally spaced along sidelite jamb (6 total).
 2. Spacing for item J @ head & sill: 6" from ends (2 total).



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



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

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

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Phone No.: 813.659.9197
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PRODUCT: PLASTPRO INC
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS
2	8/10/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC LFS
		BY

DATE: 10/14/19

SCALE: N.T.S.

DWG. BY: TRJ

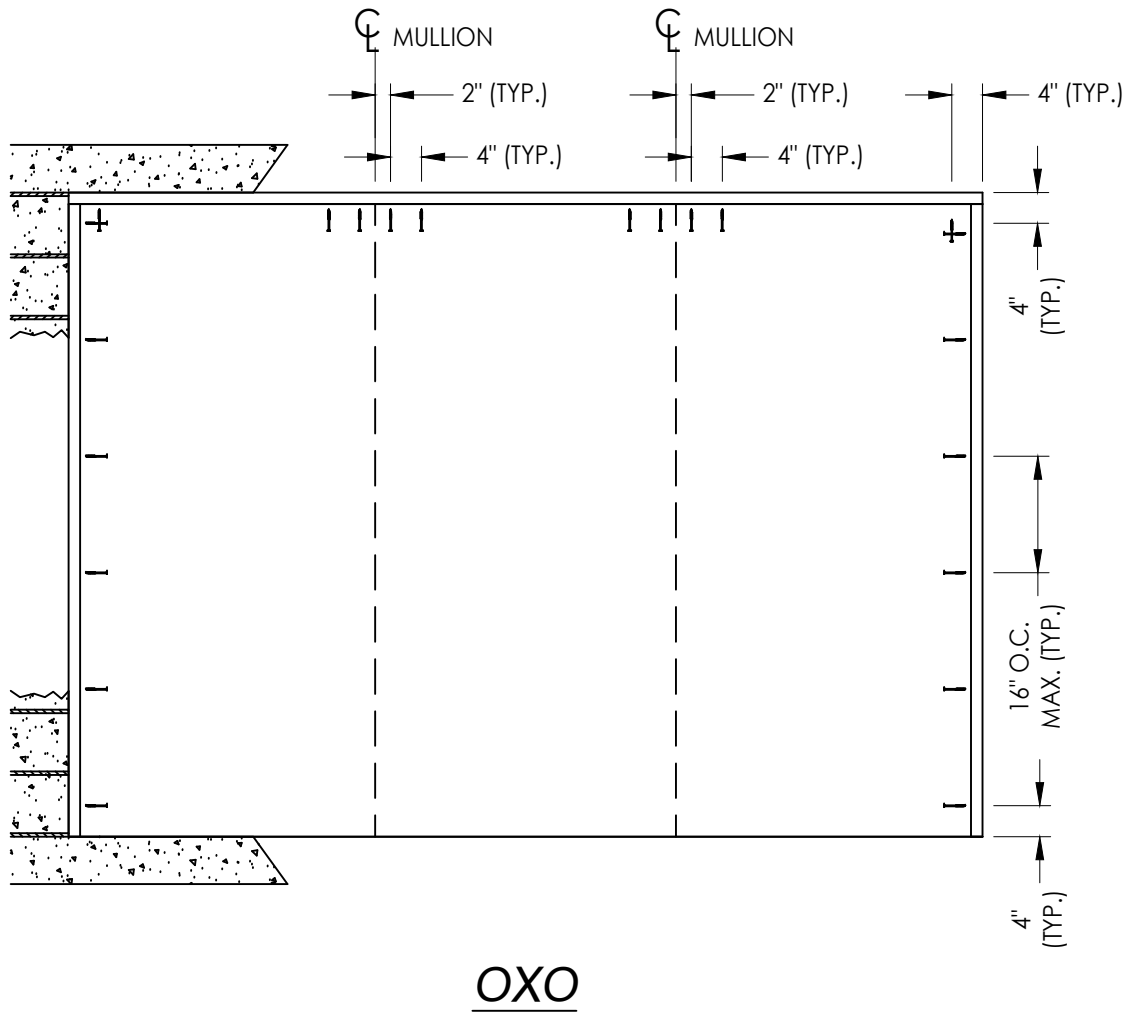
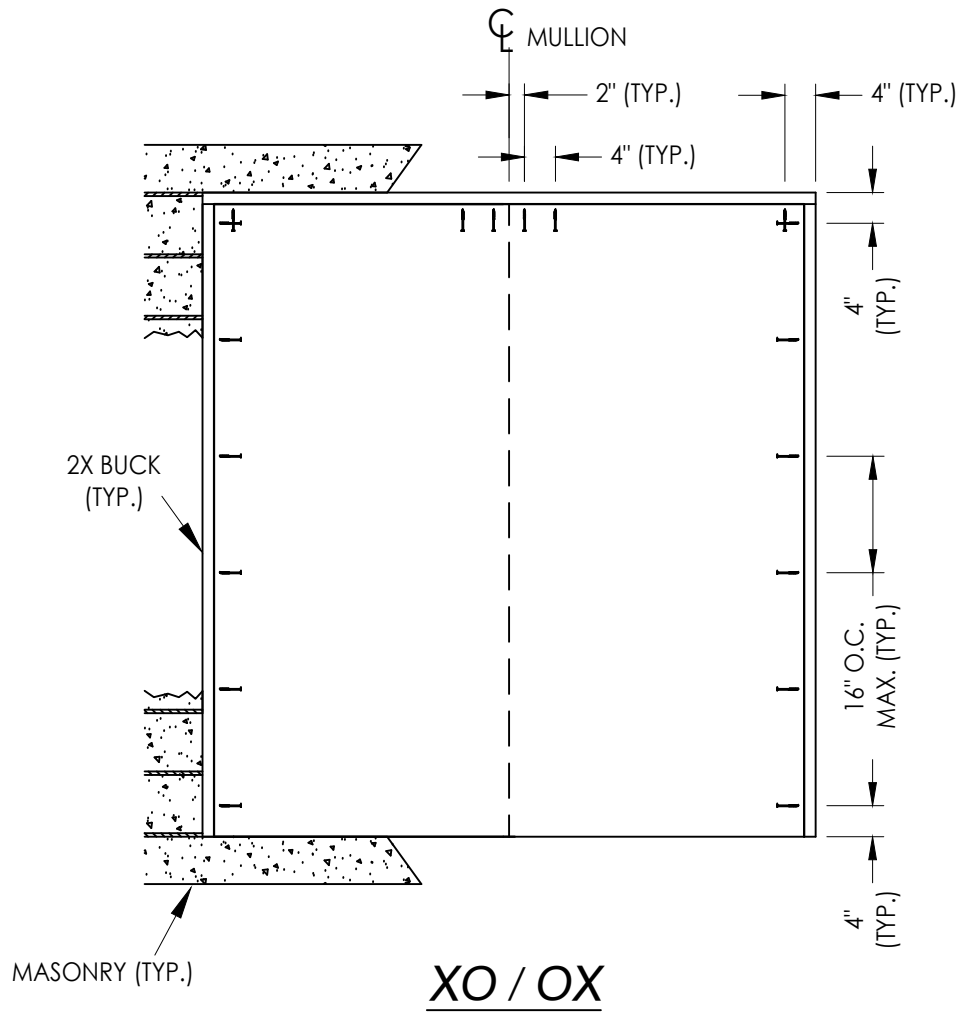
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FL-28685.11

SHEET 9 OF 14

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2X BUCK ANCHORING

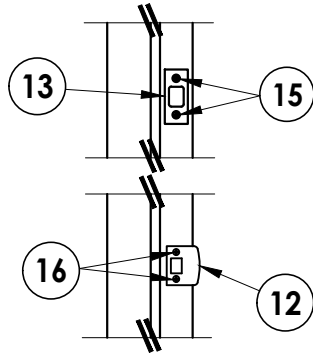
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SCALE: N.T.S.		PART OR ASSEMBLY:		BUCK ANCHORING		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
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CHK. BY: LFS		1 7/23/20 UPDATE TO 7TH ED (2020) FBC		LFS			
DRAWING NO.: FL-28685.11		NO. DATE		BY			
SHEET 10 OF 14		REVISIONS					

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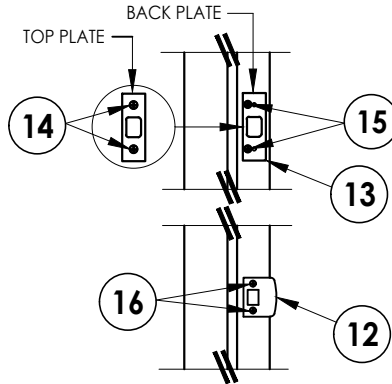
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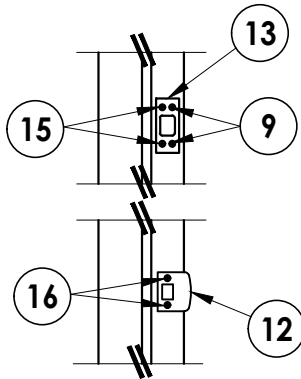
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YALE HARDWARE

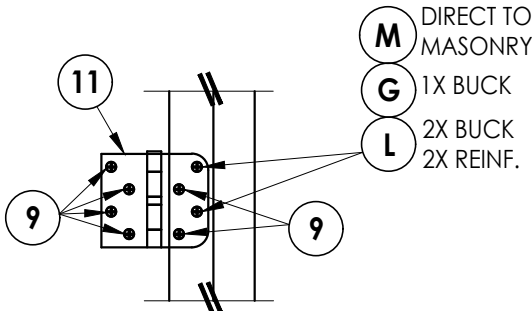


SCHLAGE HARDWARE

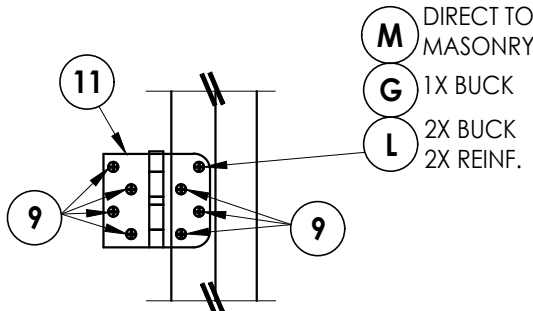


KWIKSET HARDWARE

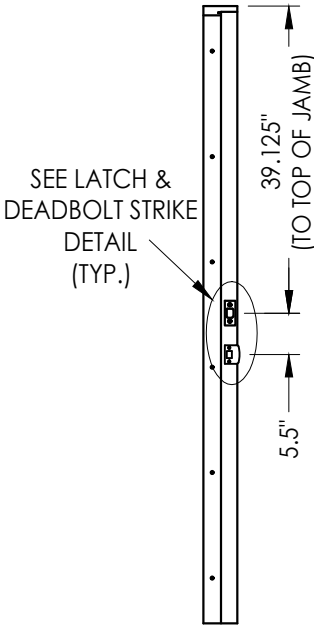
LATCH & DEADBOLT HARDWARE STRIKE DETAILS



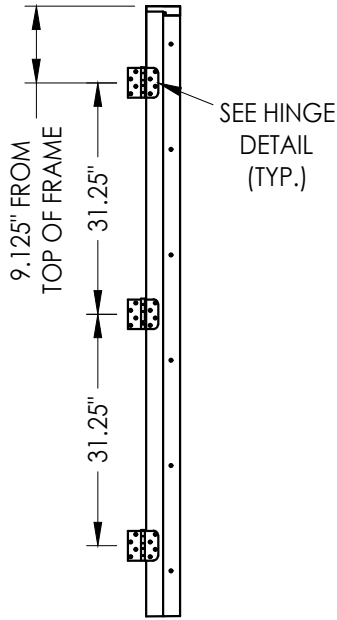
HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING



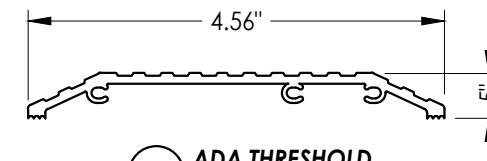
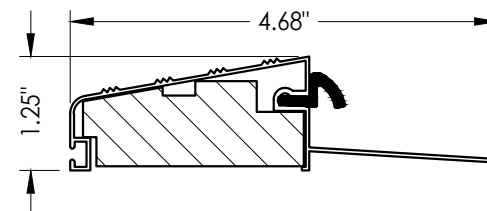
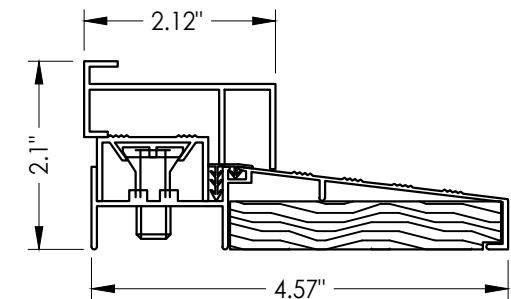
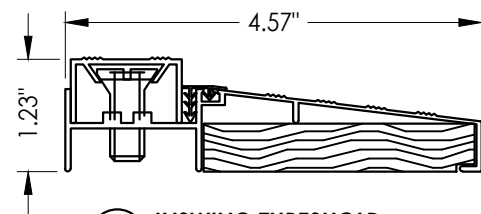
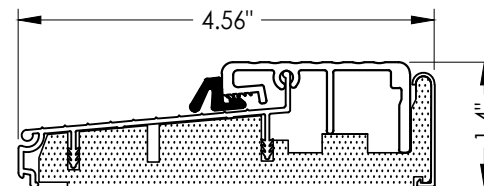
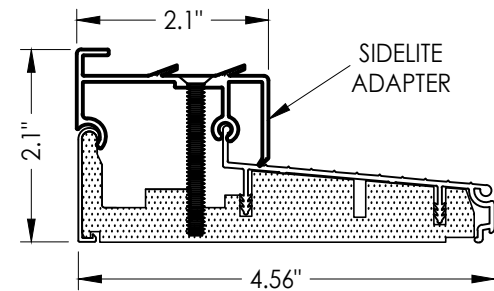
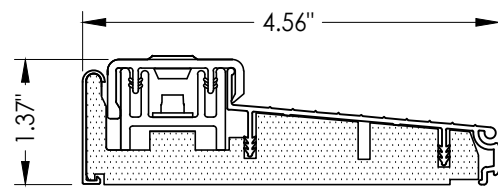
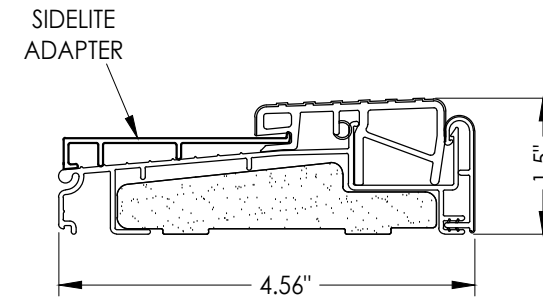
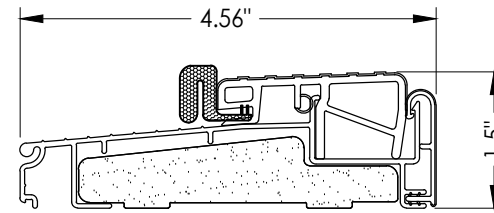
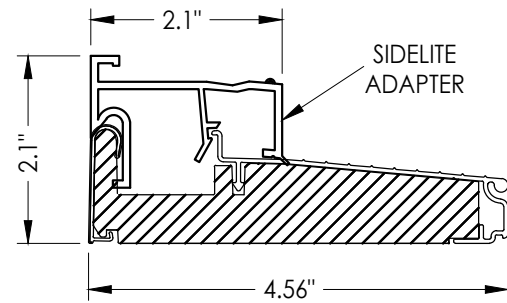
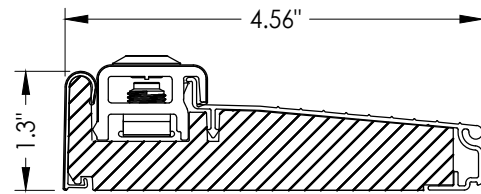
STRIKE JAMB
LATCH & DEADBOLT



HINGE JAMB

HARDWARE DETAILS

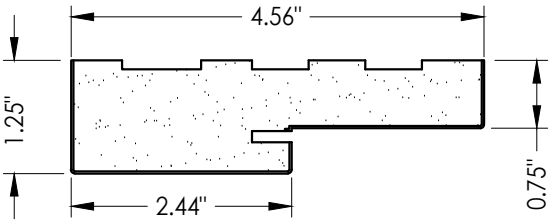
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813			
PRODUCT: PLASTPRO INC FIBERGLASS DOOR		PART OR ASSEMBLY: HARDWARE DETAILS					
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				LFS	FBC	7/23/20	UPDATE TO 7TH ED (2020)
				BY		DATE	
				REVISIONS			
DATE: 10/14/19							
SCALE: N.T.S.							
DWG. BY: TRJ							
CHK. BY: LFS							
DRAWING NO.: FL-28685.11							
SHEET 12 OF 14							

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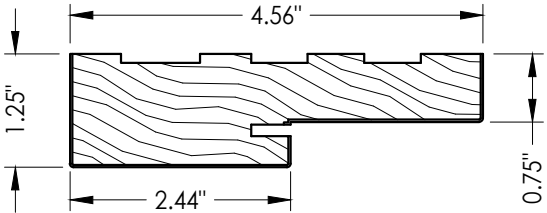
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	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
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	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	#10 X 2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	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
2	FINGER JOINT PINE JAMB	WOOD
5	2X REINFORCEMENT (G >= 0.55)	WOOD
6	DOOR SWEEP	PVC
7	WEATHERSTRIP	FOAM
9	#9 X 3/4" PFH WOOD SCREW	STEEL
11	4" X 4" HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	10-32 X 3/8" PFH MACHINE SCREW	STEEL
15	#12 X 2-1/2" PFH WOOD SCREW	STEEL
16	#8 X 2-1/2" PFH WOOD SCREW	STEEL
20	INSWING THRESHOLD	ALUM/COMP
21	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
22	OUTSWING THRESHOLD	ALUM/COMP
23	OUTSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
24	INSWING THRESHOLD	ALUM/COMP
25	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
26	OUTSWING THRESHOLD	ALUM/COMP
27	INSWING THRESHOLD	ALUM/WOOD
28	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/WOOD
29	OUTSWING THRESHOLD	ALUM/WOOD
30	ADA THRESHOLD	ALUM
40	DOOR PANEL	-
50	SIDELITE PANEL	-



1 POLY FIBER JAMB
Plastpro PF Jamb



2 FINGER JOINT PINE JAMB

CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

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

PRODUCT: <u>PLASTPRO INC FIBERGLASS DOOR</u>		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
PART OR ASSEMBLY: <u>BILL OF MATERIALS & COMPONENTS</u>		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
2	8/10/23	UPDATE TO 8TH ED. (2023)	LFS
1	7/23/20	UPDATE TO 7TH ED (2020)	LFS
NO.	DATE		BY
REVISIONS			
DATE: 10/14/19			
SCALE: N.T.S.			
DWG. BY: TRJ			
CHK. BY: LFS			
DRAWING NO.: FL-28685.11			
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