



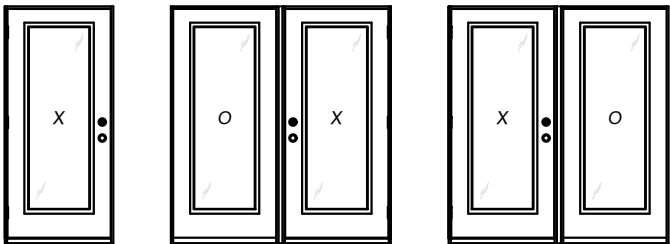
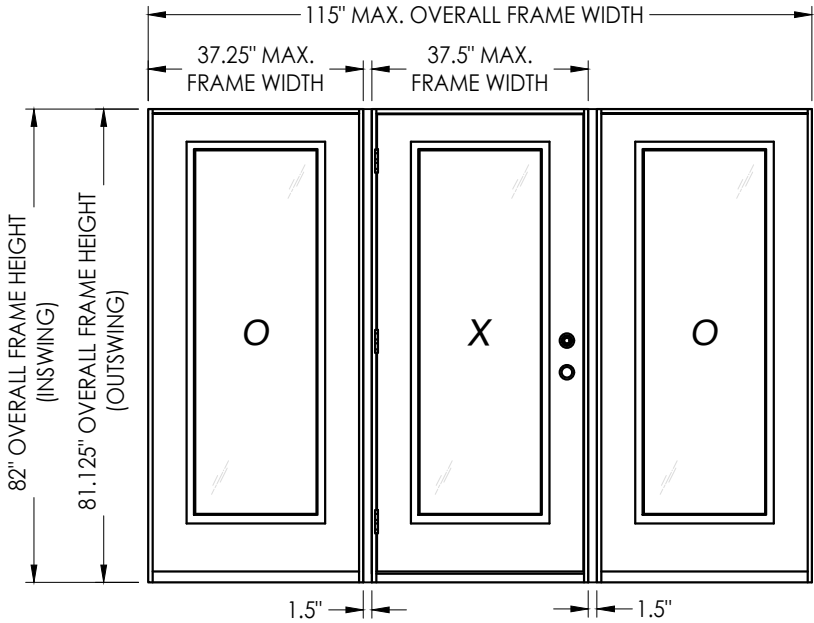
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

GLAZED FIBERGLASS DOORS
SINGLES
w/ or w/o SIDELITES
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 includes 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.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door & Sidelite panel details
3	Lite frame glazing details
4	Elevations
5	Horizontal cross sections
6	Horizontal & Vertical Cross Sections (2X Buck)
7	Horizontal & Vertical Cross Sections (1X Buck)
8	Horizontal & Vertical Cross Sections (Direct to Masonry)
9	Vertical Cross Sections (Thresholds)
10	Horizontal & Vertical Cross Sections (Direct to Masonry)
11	Buck anchoring
12	Frame anchoring & hardware details
13	Bill of materials and components

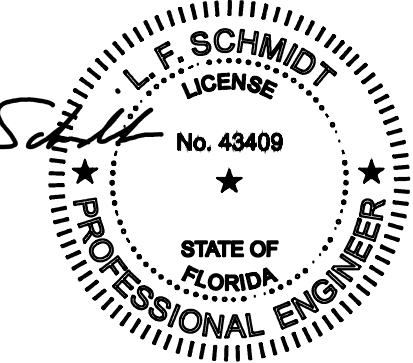


X

OX

XO

CONFIGURATION	MAX. FRAME DIMENSION	JAMB REINFORCEMENT	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 82.0"	N/A	+50.0	-50.0	+50.0	-50.0
OX/XO	74.75" x 82.0"	N/A	+35.0	-40.0	+35.0	-35.0
	75.5" x 82.0"	1X	+40.0	-45.0	+40.0	-40.0
	76.25" x 82.0"	2X	+50.0	-50.0	+50.0	-50.0
OXO	112.0" x 82.0"	N/A	+35.0	-40.0	+35.0	-35.0
	113.5" x 82.0"	1X	+40.0	-45.0	+40.0	-40.0
	115.0" x 82.0"	2X	+50.0	-50.0	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.16 11:36:35 -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

8/10/23

UPDATE TO 8TH ED. (2023) FBC

3

8/05/20

UPDATE TO 7TH ED. (2020) FBC

2

7/27/17

UPDATE TO 6TH ED. (2017) FBC

1

04/14/15

UPDATE TO 5TH ED. (2014) FBC

NO.

DATE

REVISIONS

DATE: 10/08/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-17347.5

SHEET 1 OF 13

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

© 2014 R.W. BUILDING CONSULTANTS INC.

The diagram illustrates the cross-section of a door assembly. On the left, the hinge area is shown with a 0.4" gap between the door and the frame, and a 0.7" gap between the hinge stile and the door. The hinge stile is labeled "HINGE STILE (LVL)". The door is labeled "CAP (PVC)". The hinge is labeled "G2" and "G1". The door is shown in the "EXTERIOR" position. On the right, the latch area is shown with a 2.8" gap between the door and the frame, and a 0.4" gap between the latch stile and the door. The latch stile is labeled "LATCH STILE (LVL)". The door is labeled "CAP (PVC)". The latch is labeled "G2" and "G1". The door is shown in the "INTERIOR" position. The diagram also shows the door's internal structure, including the hinge stile and latch stile, and the door's overall dimensions, including a 1.75" height and a 2.8" width.

DOOR LOCK HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SERIES (400)
	DEADBOLT:	SERIES (660)
SCHLAGE	HANDLE SET:	"F" SERIES (F60)
	DEADBOLT:	"F" SERIES (F60)
SCHLAGE	KNOB:	"F" SERIES (F10)
	DEADBOLT:	"B" SERIES (B60/62)
YALE	KNOB:	CIRRUS 100 C
	DEADBOLT:	820 SINGLE CYLINDER
DEXTER BY SCHLAGE	KNOB:	J54
	DEADBOLT:	JD60

TOP RAIL (COMP.)

1.2"

INTERIOR

EXTERIOR

G1 G2

CORE (URETHANE - MIN.)

GLASS SKIN (MIN. THK.)

BOTTOM RAIL (COMP.)

1.2"

2 VERTICAL CROSS SECTION

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

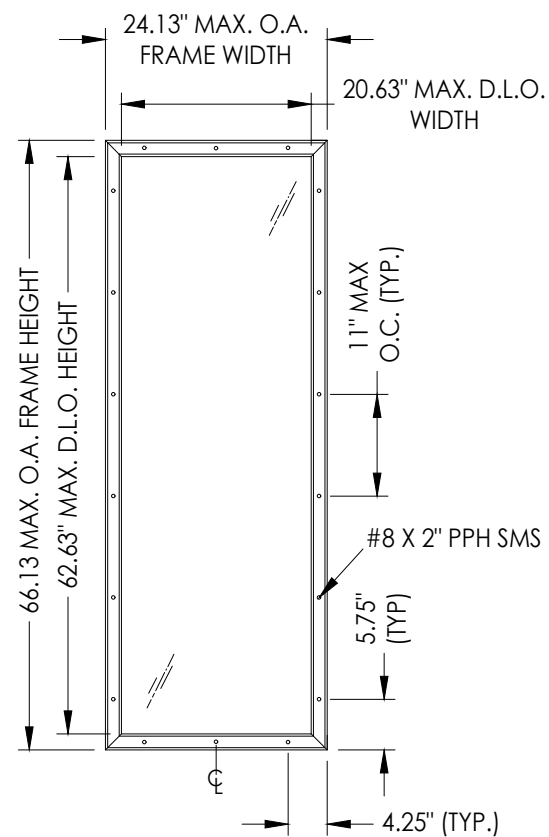
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 333

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

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

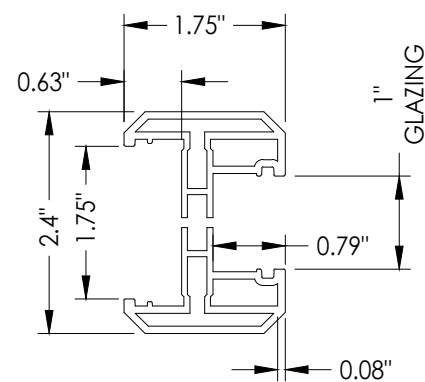
ASSEMBLY:
**DOOR & SIDELITE
PANEL DETAILS**

[illegible]

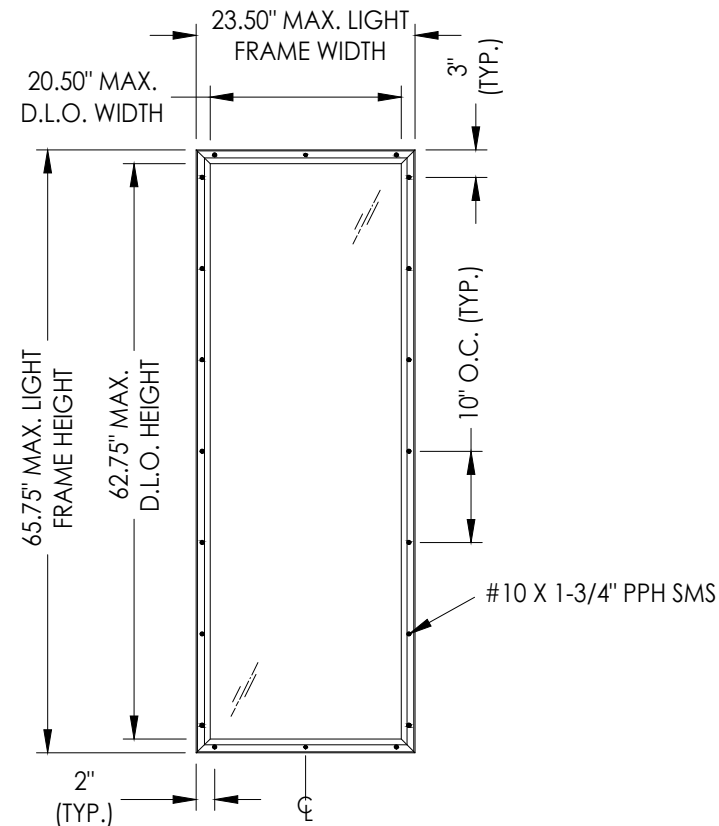


ODL LITE FRAME DETAIL

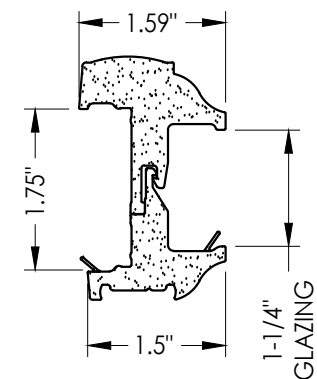
"FLAT FRAME" PROFILE



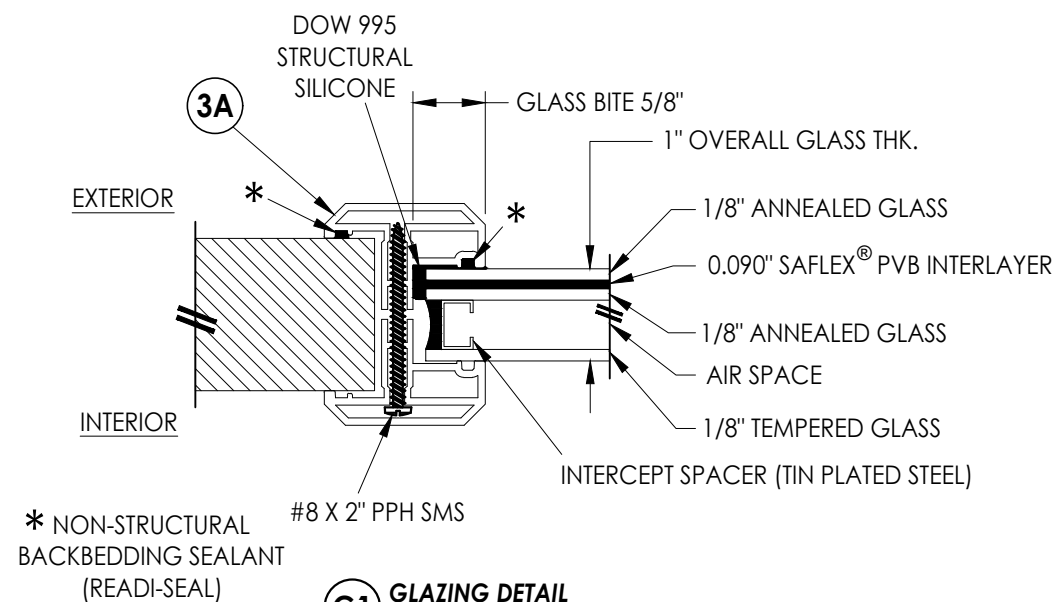
3A **ODL LITE FRAME**
"FLAT FRAME" PROFILE
(6063-T5 ALUM)



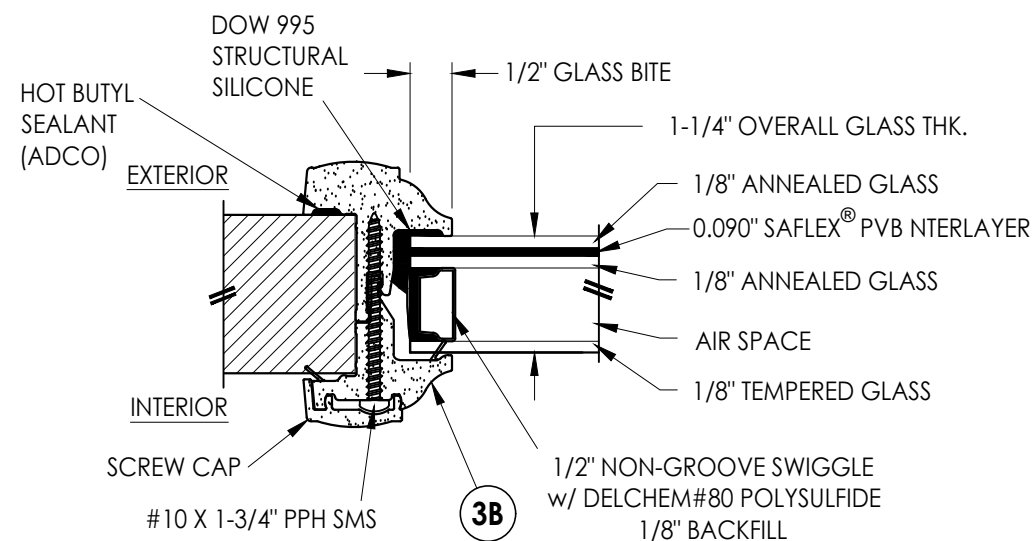
RSL LITE FRAME



3B RSL LITE FRAME
PVC



G1 **GLAZING DETAIL**
ODL "FLAT FRAME"



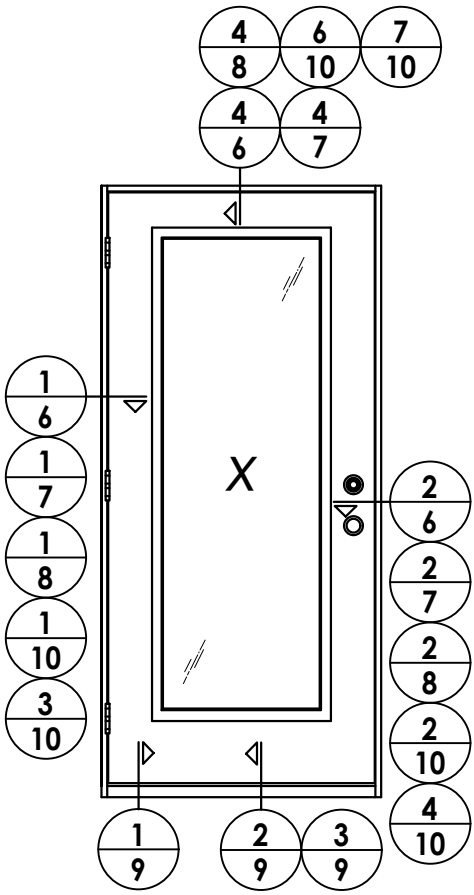
G2 **GLAZING DETAIL**
RSL Lite Frame

[illegible]

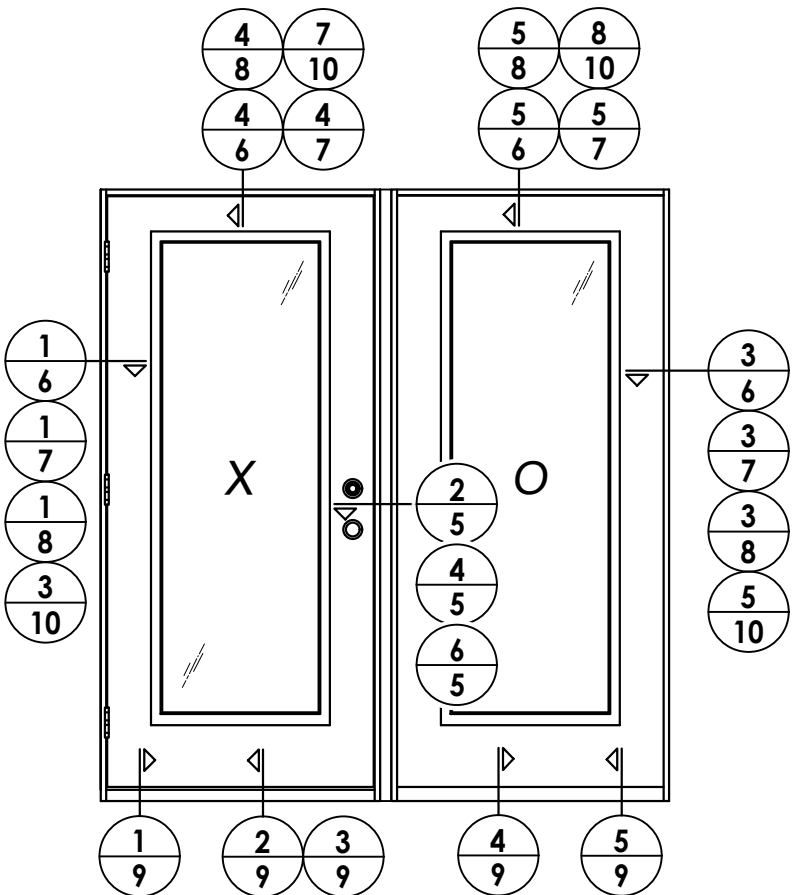
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

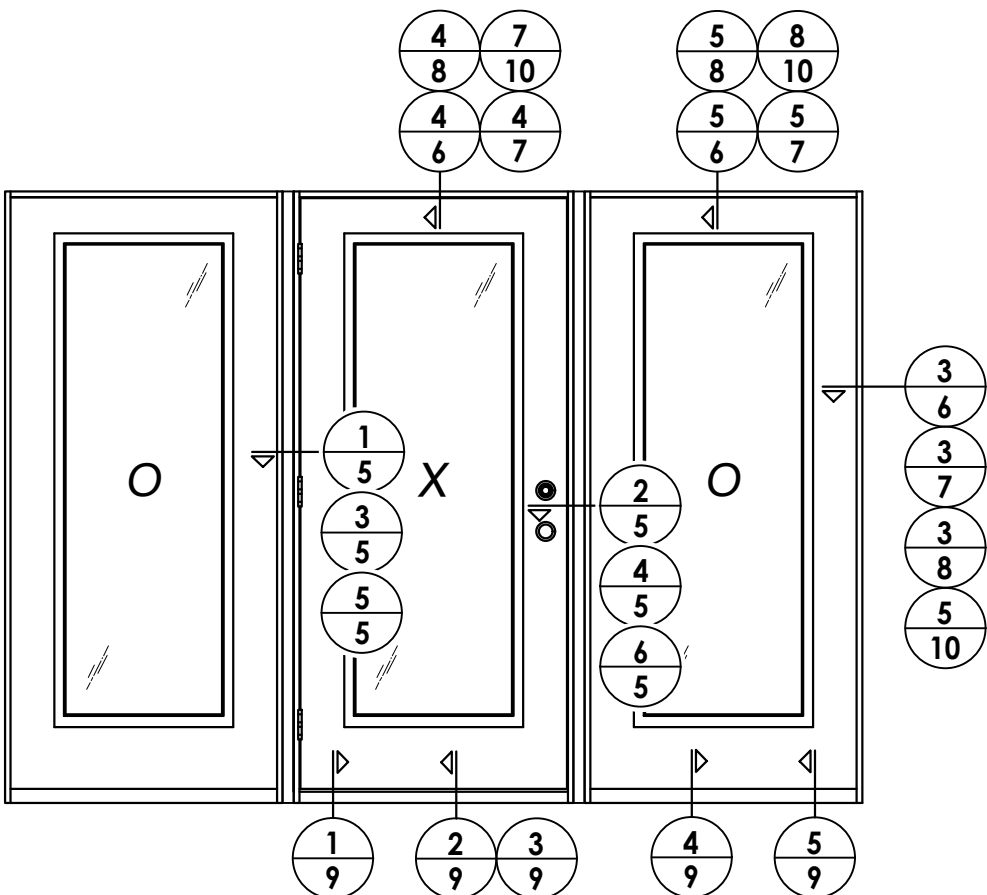
Z:\2023 FBC Drawings\Plastpro\FL-17347 R6\FL-17347.5-6.dwg



ELEVATION
X



ELEVATION
XO / OX



ELEVATION
OXO

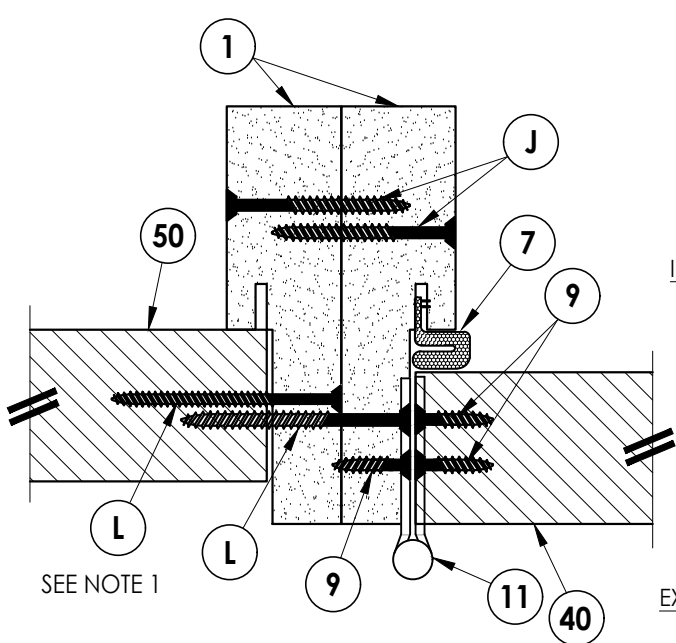
NO.	DATE	REVISIONS
4	8/10/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/05/20	UPDATE TO 7TH ED. (2020) FBC DAC
2	7/27/17	UPDATE TO 6TH ED. (2017) FBC JK
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE:	10/08/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17347.5
SHEET	4 OF 13

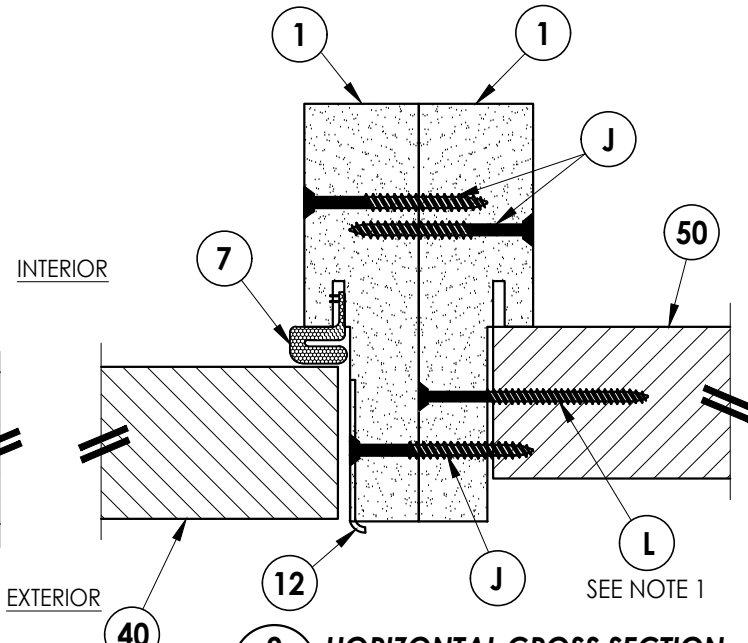
PRODUCT:	PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY:	ELEVATIONS

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

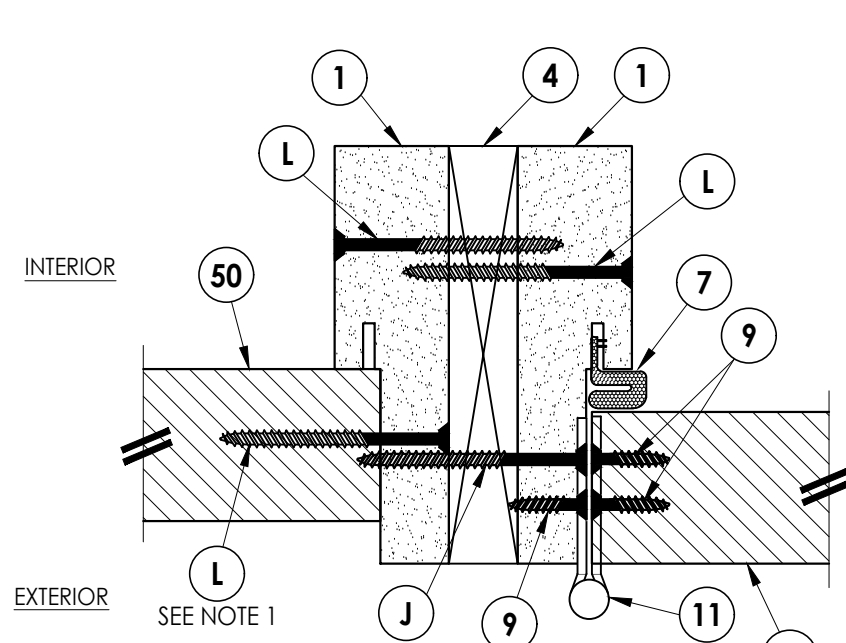
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



1
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)
Back to Back Jamb

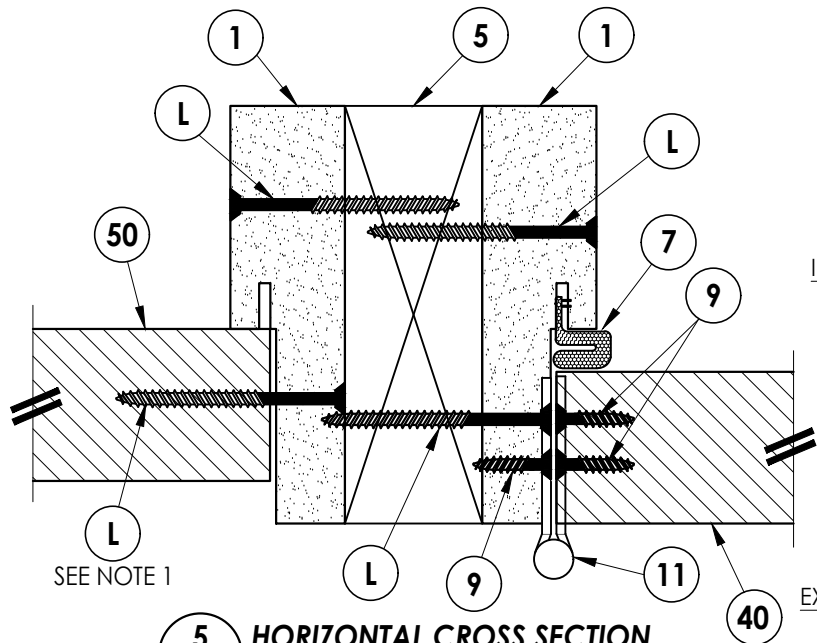


2
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)
Back to Back Jamb

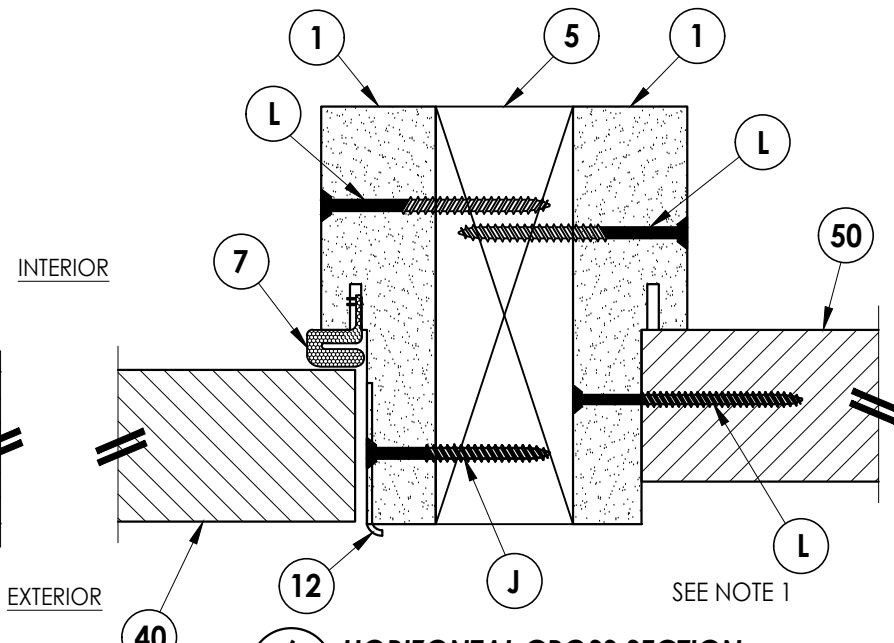


3
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)
1X Jamb Reinforcement

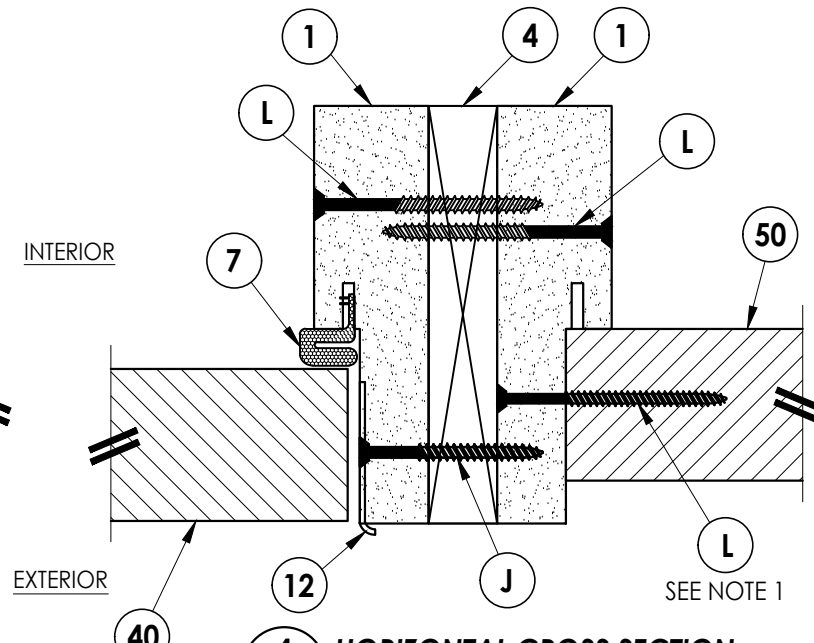
NOTE:
1. Spacing for item L: 6" from each end and 3 more
equally spaced along sidelite jamb (5 total).



5
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)
2X Jamb Reinforcement



6
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)
2X Jamb Reinforcement



4
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)
1X Jamb Reinforcement

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

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

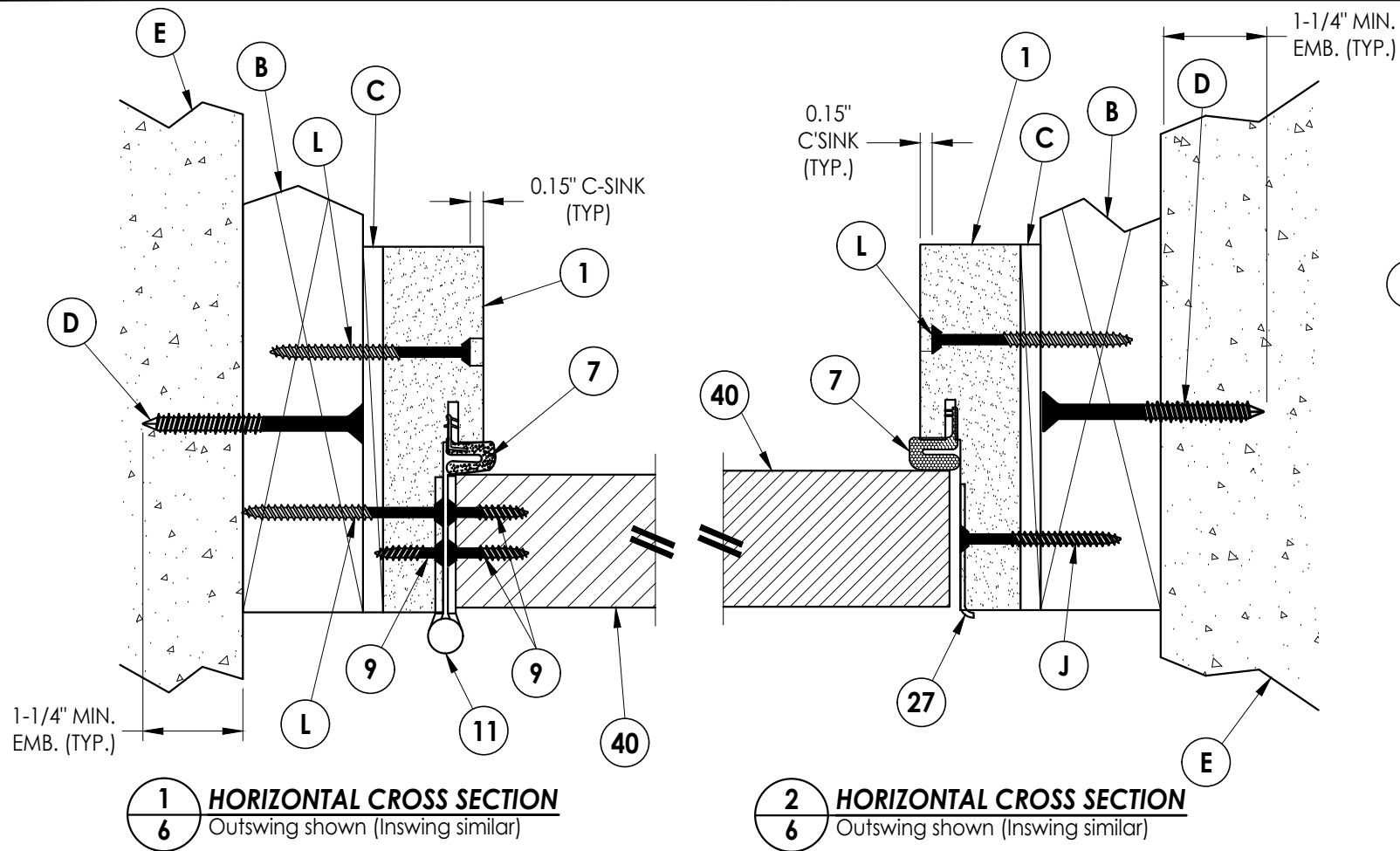
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

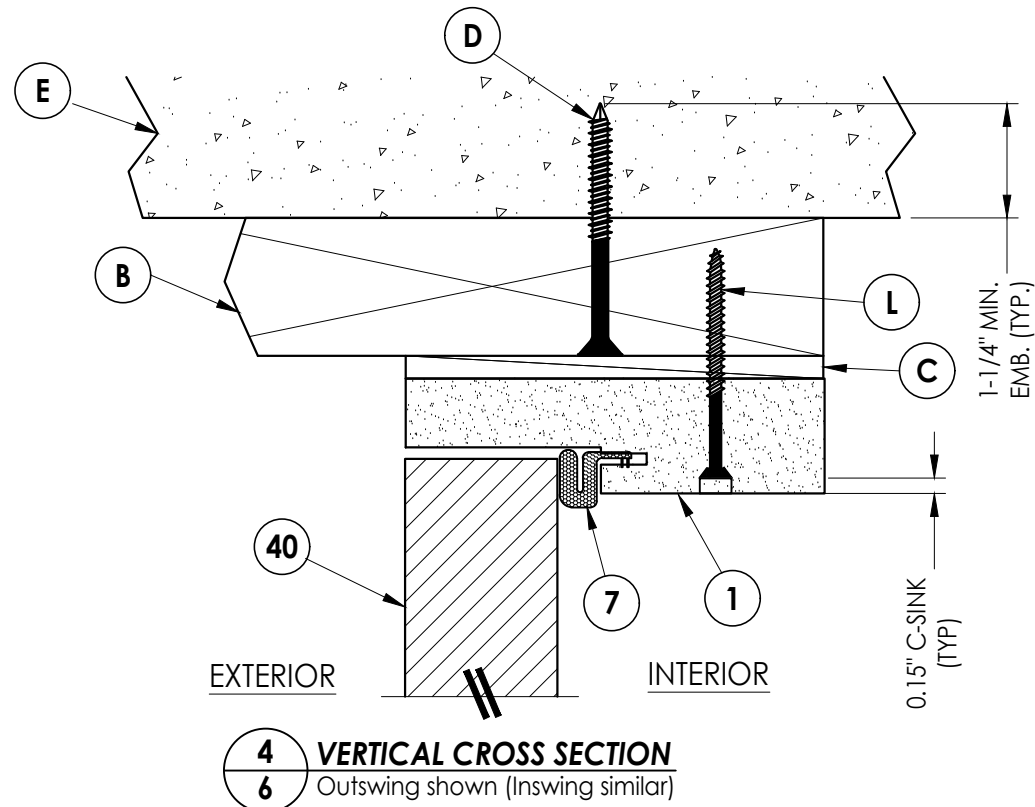
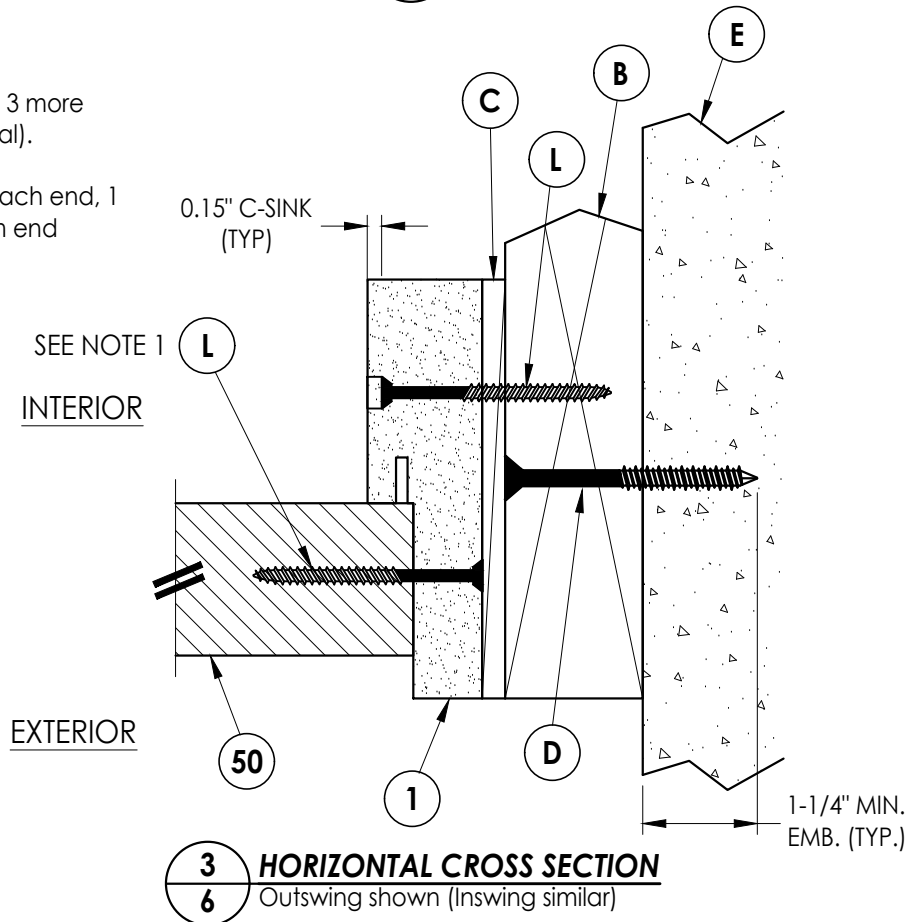
NO.	DATE	REVISIONS
4	8/10/23	UPDATE TO 8TH ED. (2023) FBC
3	8/05/20	UPDATE TO 7TH ED. (2020) FBC
2	7/27/17	UPDATE TO 6TH ED. (2017) FBC
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC

DATE:	10/08/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17347.5
SHEET	5 OF 13

Z:\2023 FBC Drawings\Plastpro\FL-17347 R6\FL-17347.5-6.dwg



- NOTE:
- Spacing for item L: 6" from each end and 3 more equally spaced along sidelite jamb (5 total).
 - Spacing for item L @ head & sill: 6" from each end, 1 @ centerline, 2 additional at 3" & 4.5" from end adjacent to door.



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 (2X BUCK)

NO.	DATE	REVISIONS			
		DATE	BY	CHK	APP
4	8/10/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	8/05/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
2	7/27/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
1	04/14/15	UPDATE TO 5TH ED. (2014)	FBC	JK	

DATE: 10/08/14

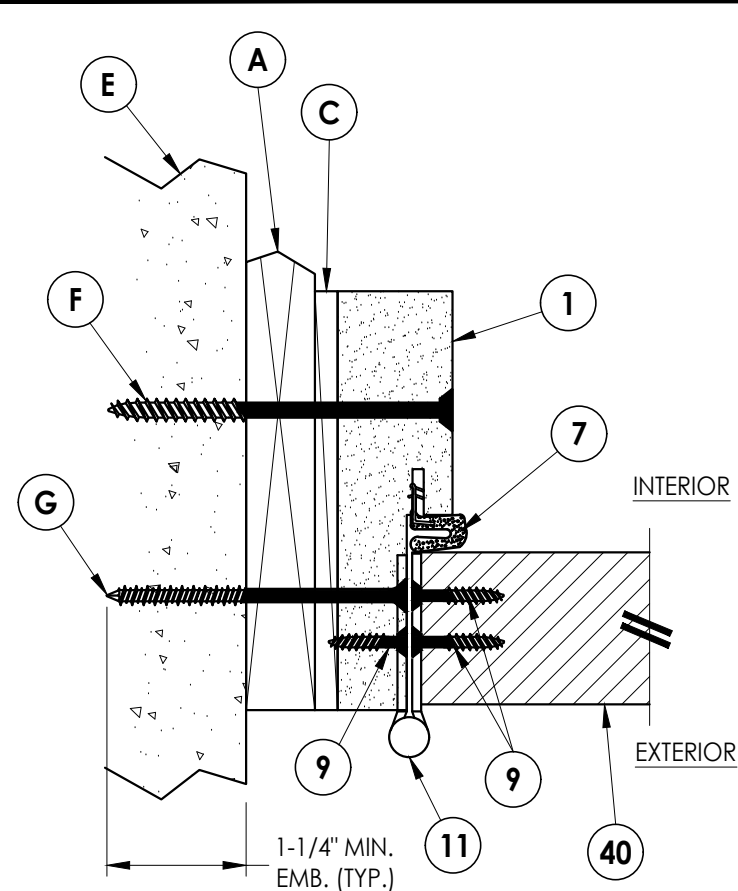
SCALE: N.T.S.

DWG. BY: JK

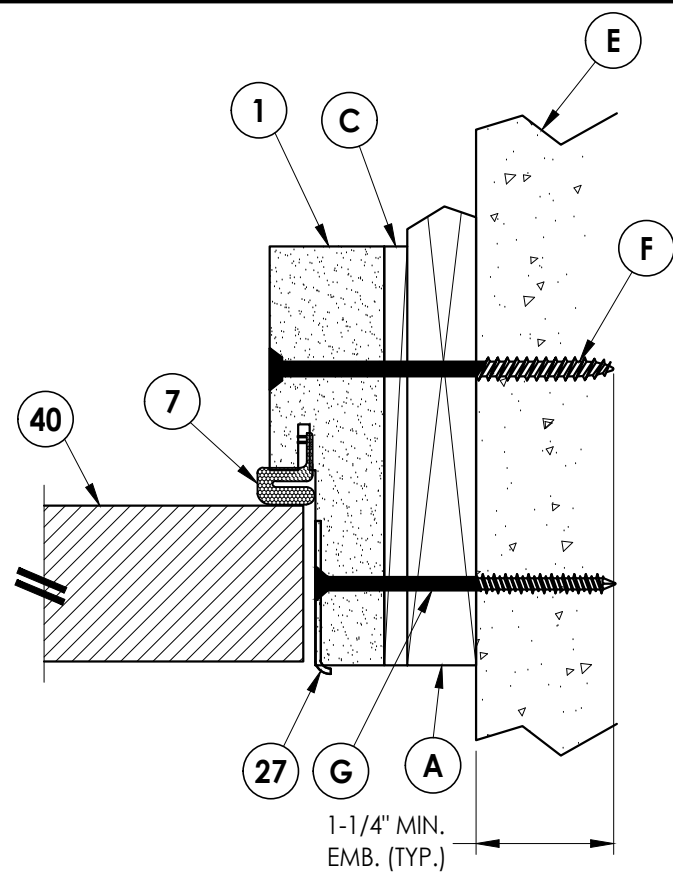
CHK. BY: LFS

DRAWING NO.: FL-17347.5

SHEET 6 OF 13

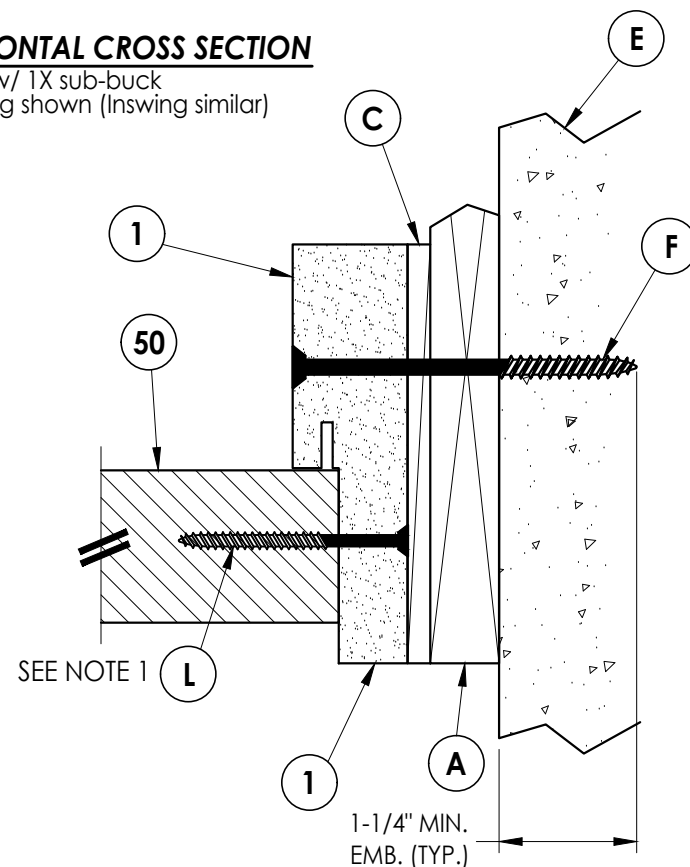


1 **HORIZONTAL CROSS SECTION**
7 Shown w/ 1X sub-buck
 Outswing shown (Inswing similar)



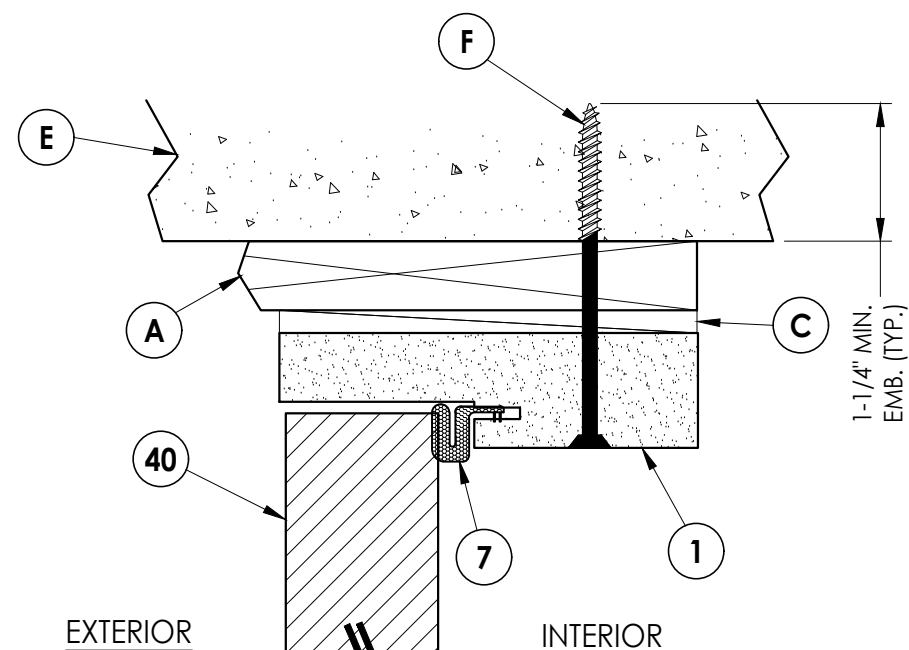
2 7 **HORIZONTAL CROSS SECTION**

Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

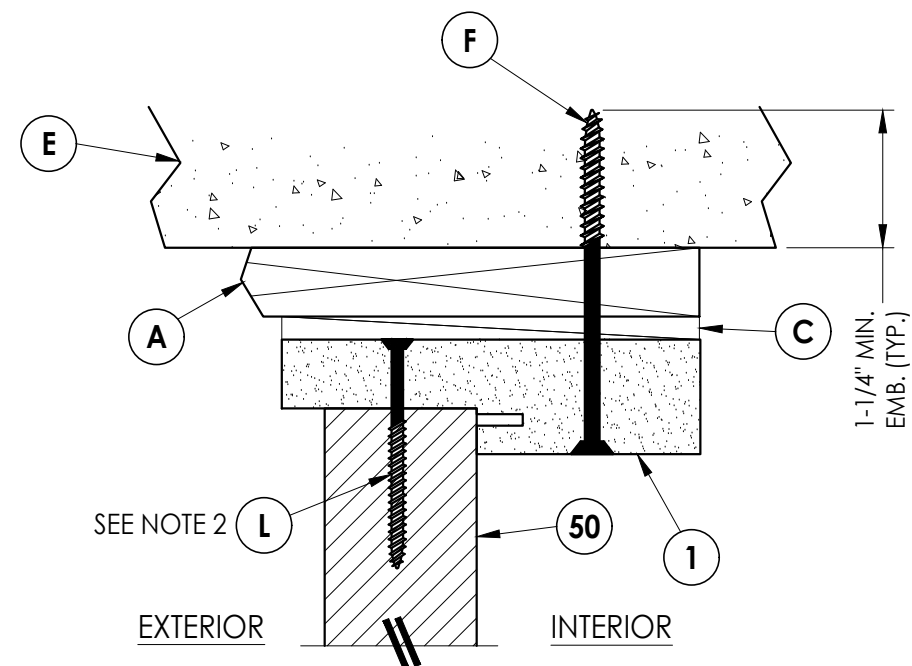


3 HORIZONTAL CROSS SECTION

7 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



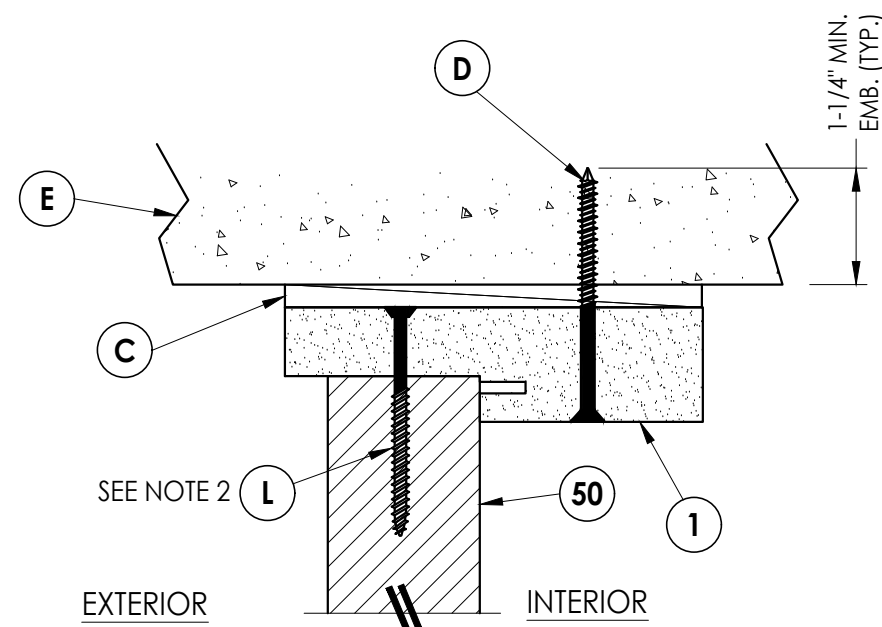
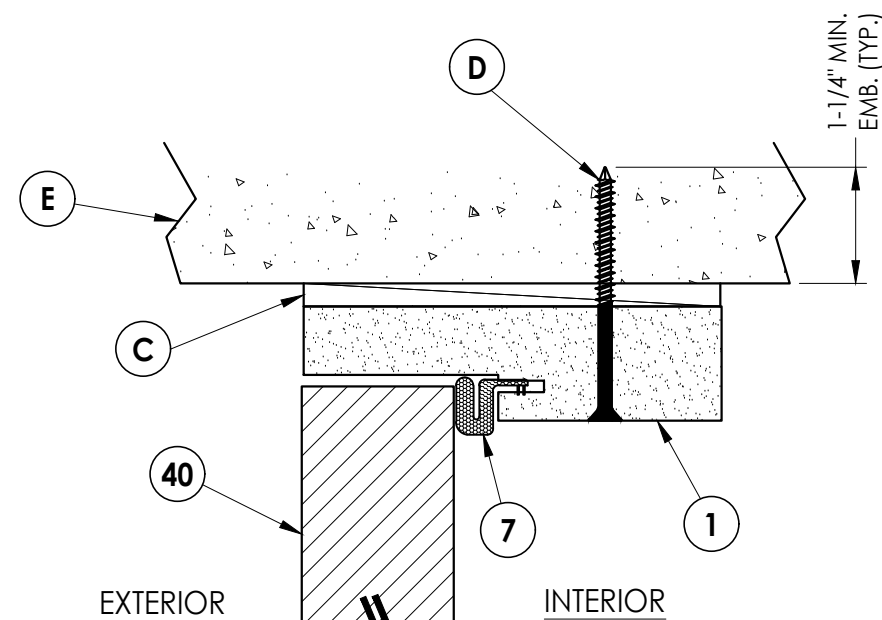
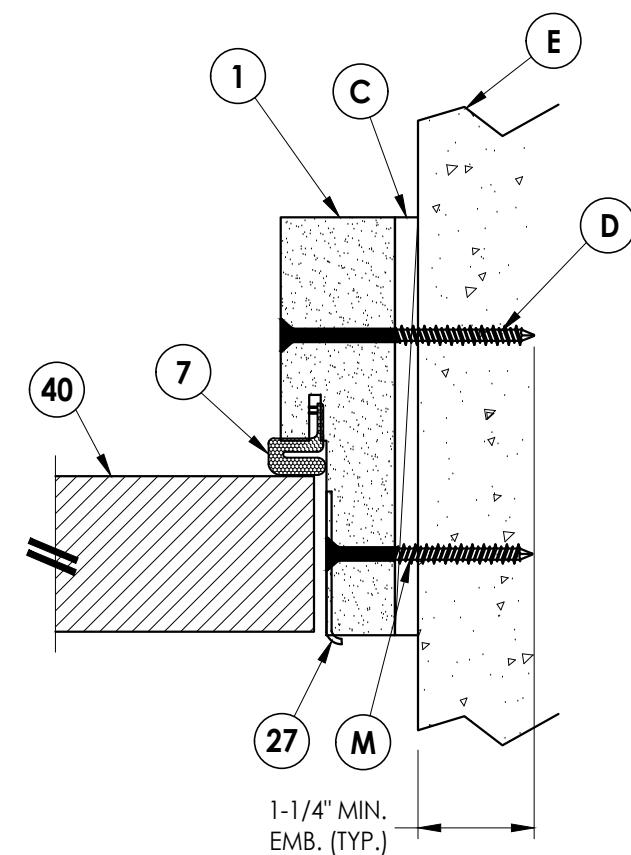
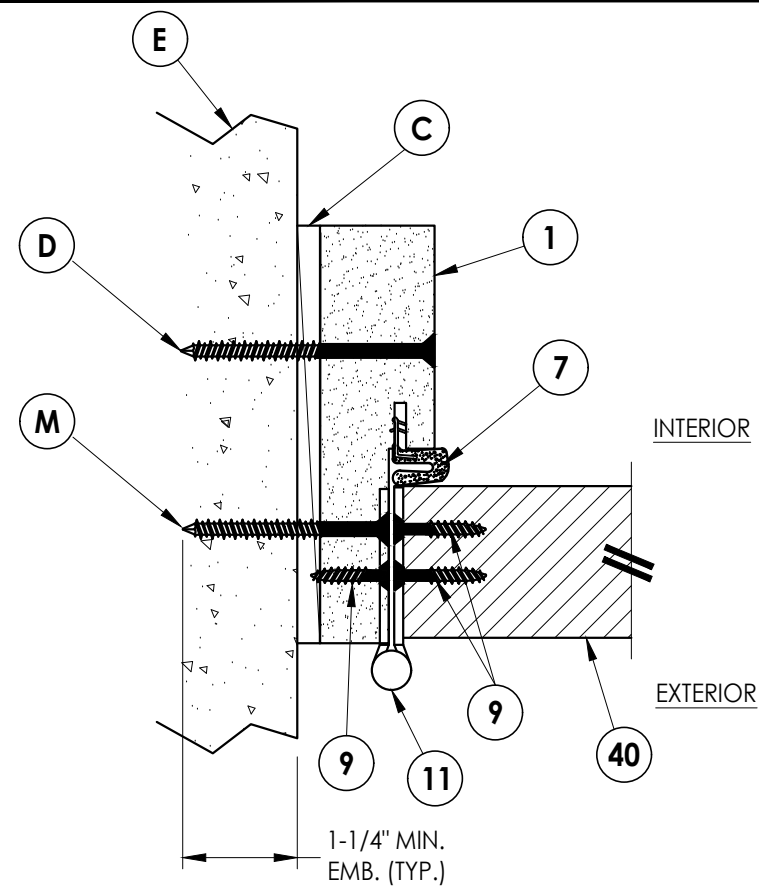
5 **VERTICAL CROSS SECTION**
7 Shown w/ 1X sub-buck
 Outswing shown (Inswing similar)

- NOTE:
1. Spacing for item L: 6" from each end and 3 more equally spaced along sidelite jamb (5 total).
 2. Spacing for item L @ head & sill: 6" from each end, 1 @ centerline, 2 additional at 3" & 4.5" from end adjacent to door.

[illegible]

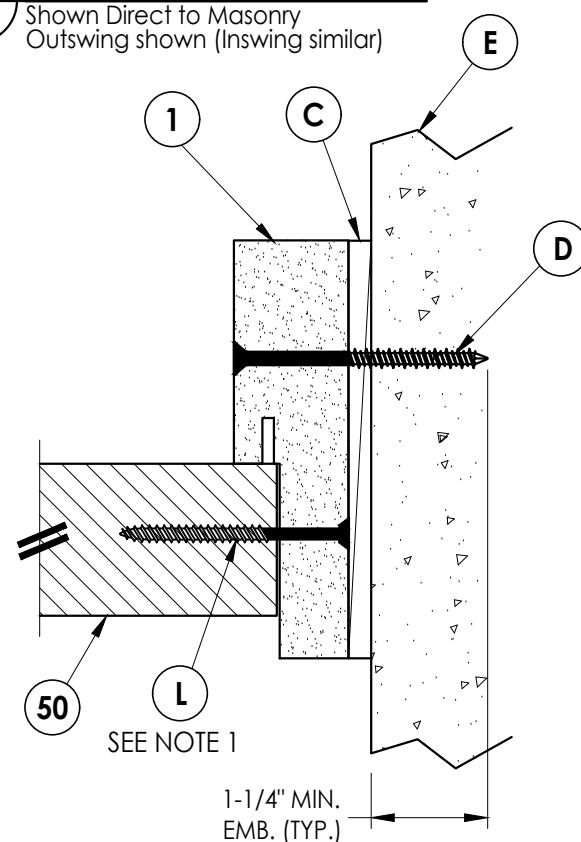
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

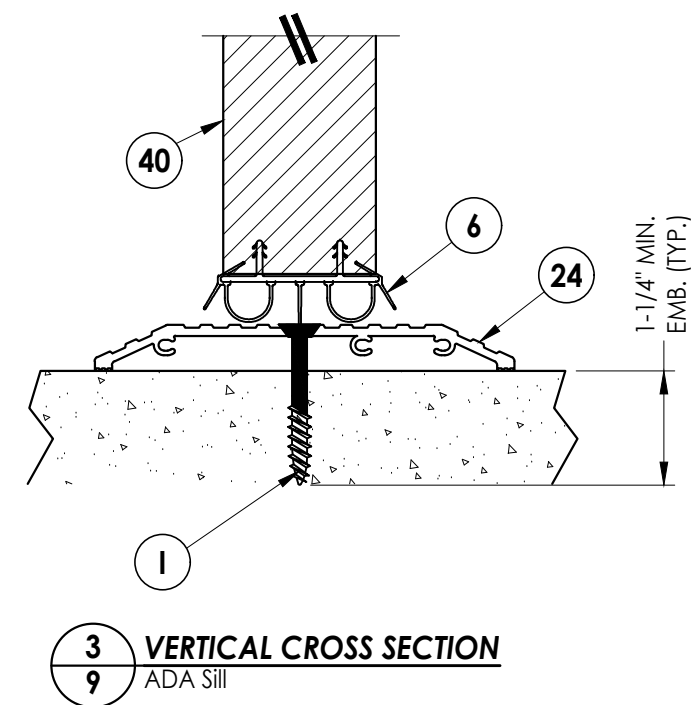
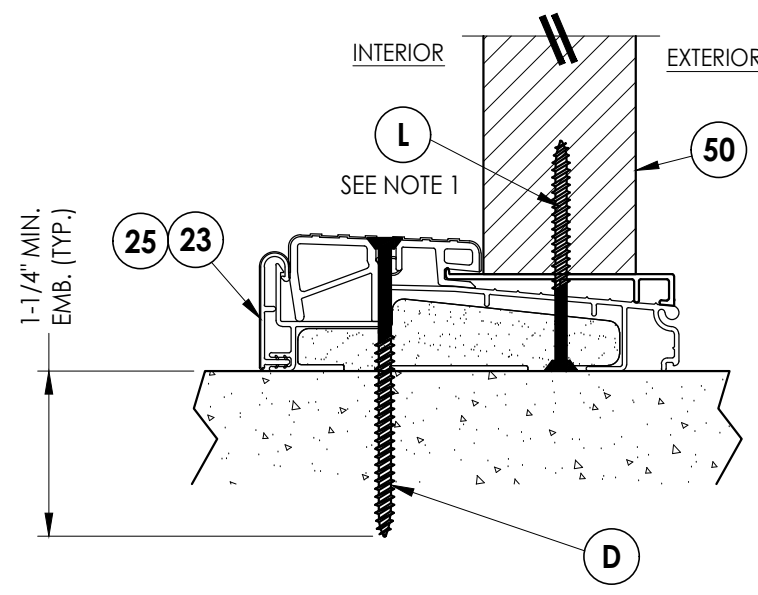
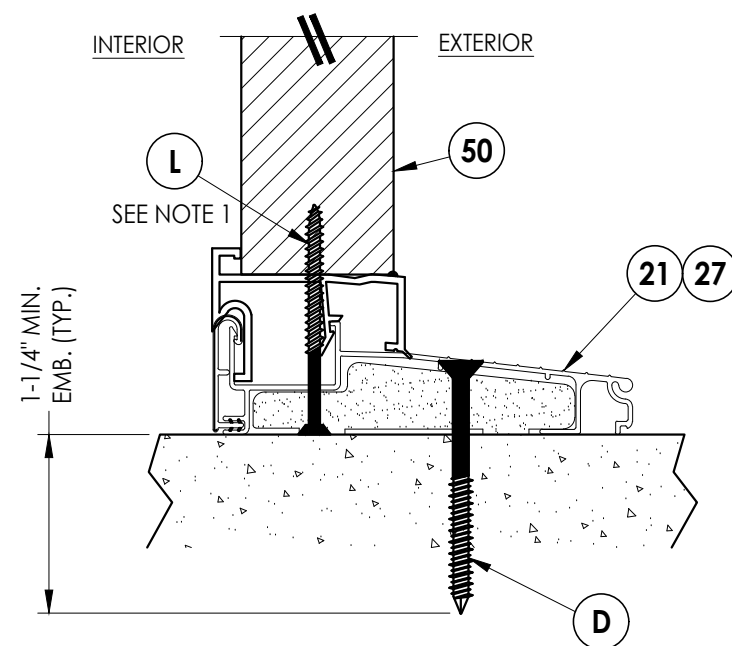
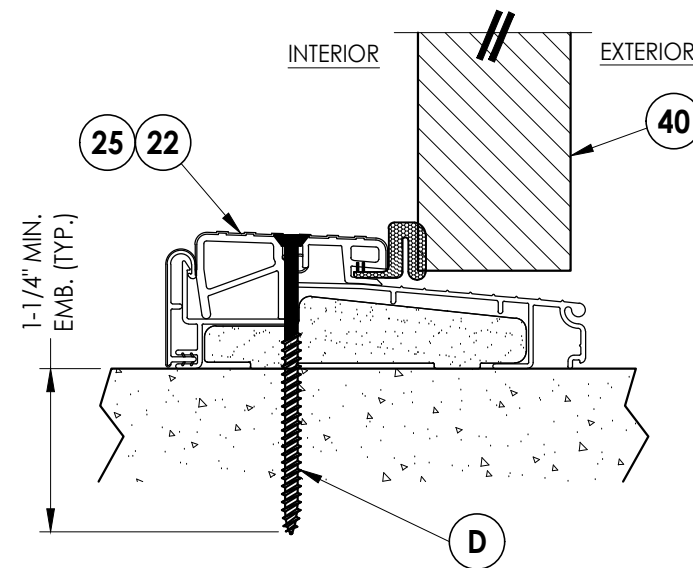
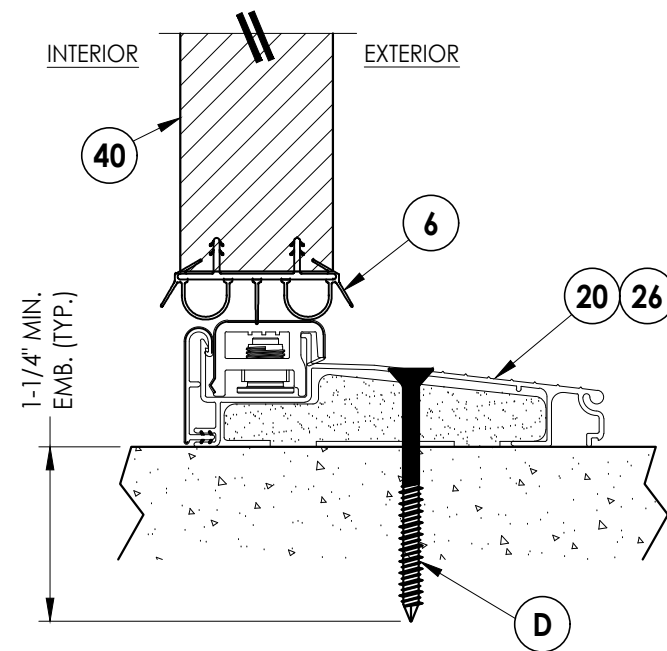
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



NOTE:

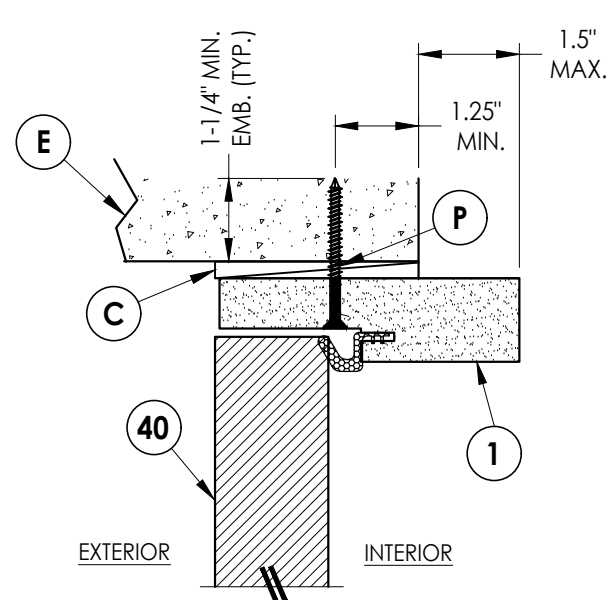
1. Spacing for item L: 6" from each end and 3 more equally spaced along sidelite jamb (5 total).

[illegible]



NOTE:
1. Spacing for item L @ head & sill: 6" from each end,
1 @ centerline, 2 additional at 3" & 4.5" from end
adjacent to door.

[illegible]



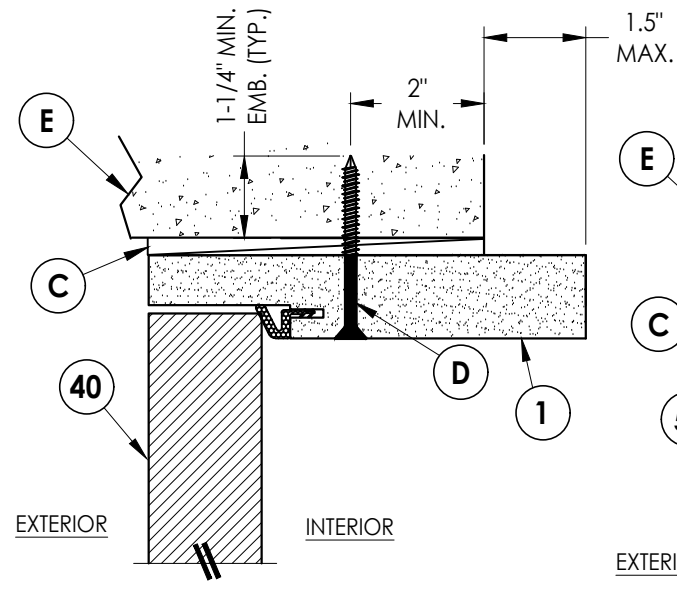
6 VERTICAL CROSS SECTION

10 Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Single door only (N/A W/ Sidelites)

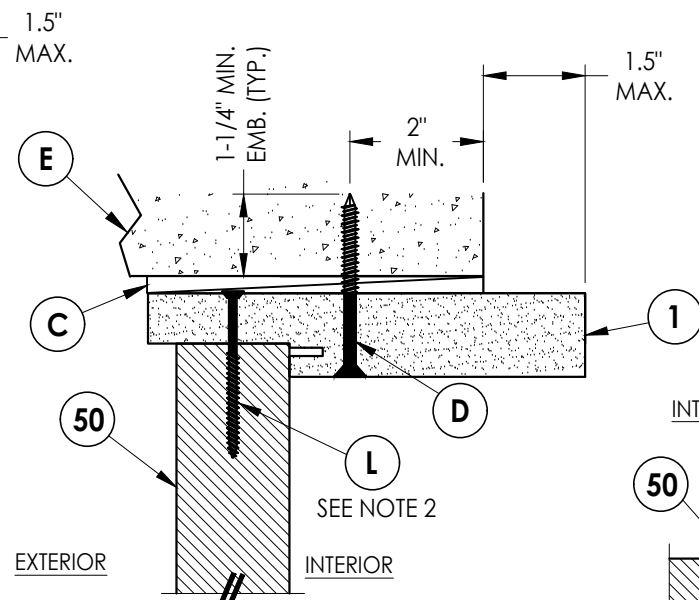
NOTE:

1. Spacing for item L: 6" from each end and 3 more equally spaced along sidelite jamb (5 total).

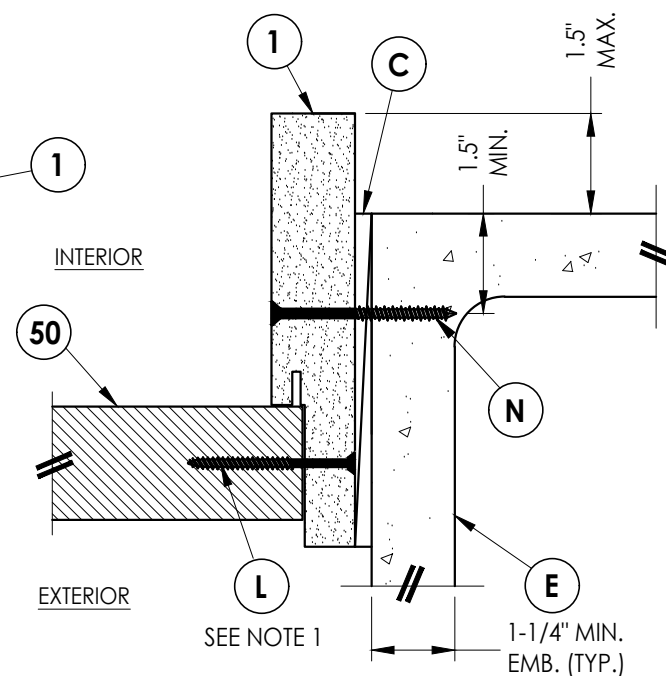
2. Spacing for item L @ head & sill: 6" from each end, 1 @ centerline, 2 additional at 3" & 4.5" from end adjacent to door.



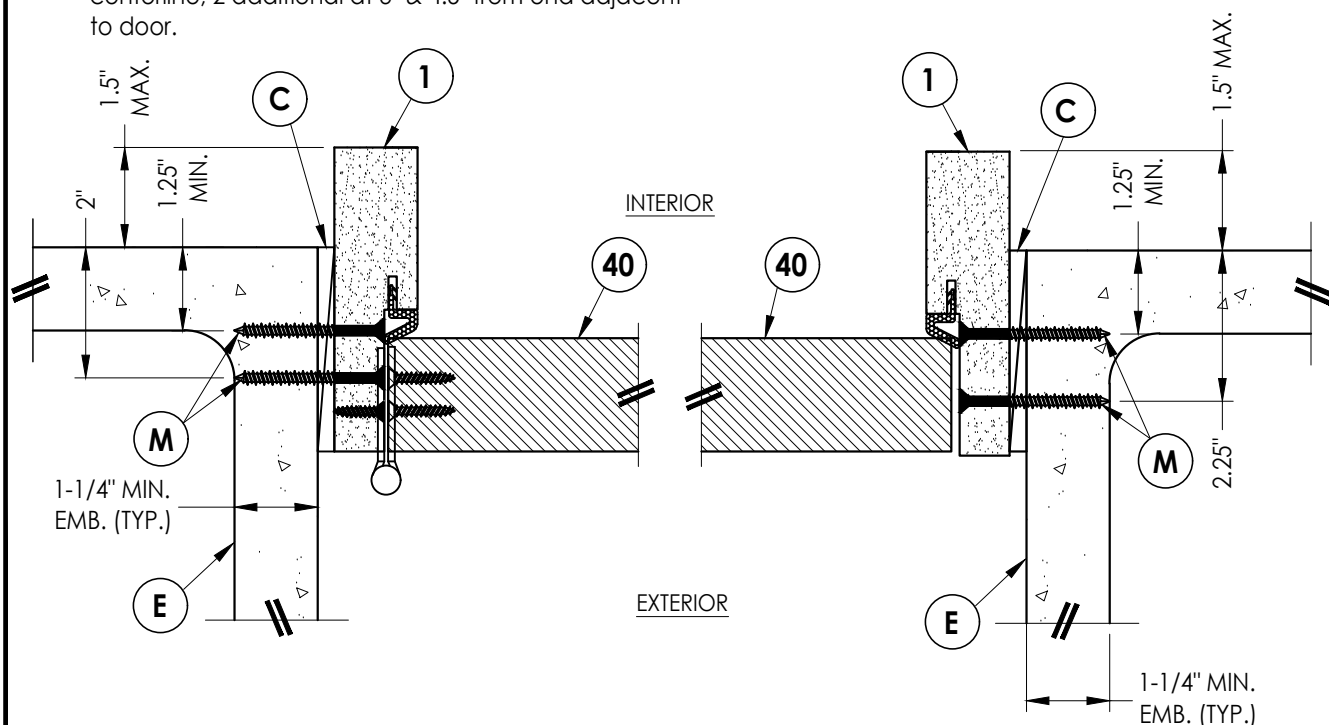
7 VERTICAL CROSS SECTION



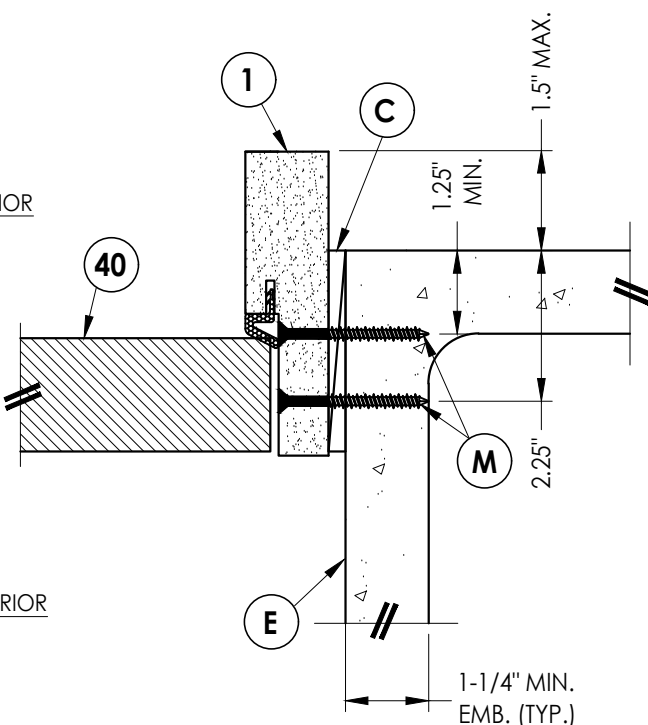
② VERTICAL CROSS SECTION



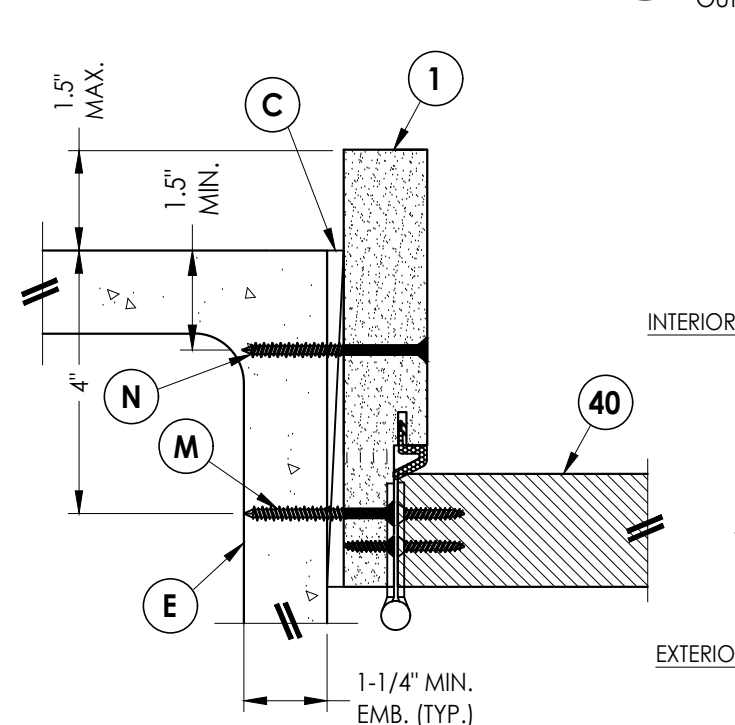
5 HORIZONTAL CROSS SECTION



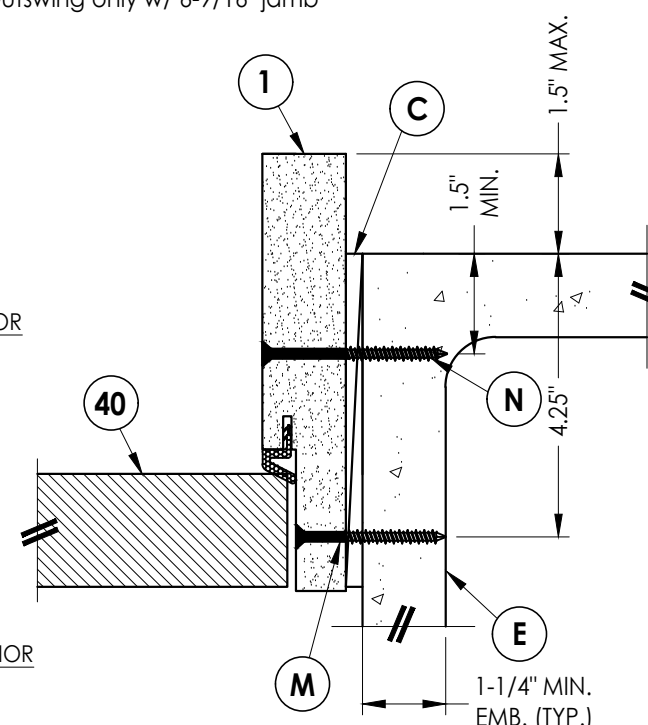
1 HORIZONTAL CROSS SECTION



2 HORIZONTAL CROSS SECTION



3 HORIZONTAL CROSS SECTION



4 HORIZONTAL CROSS SECTION
10 Shown Direct to Masonry

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

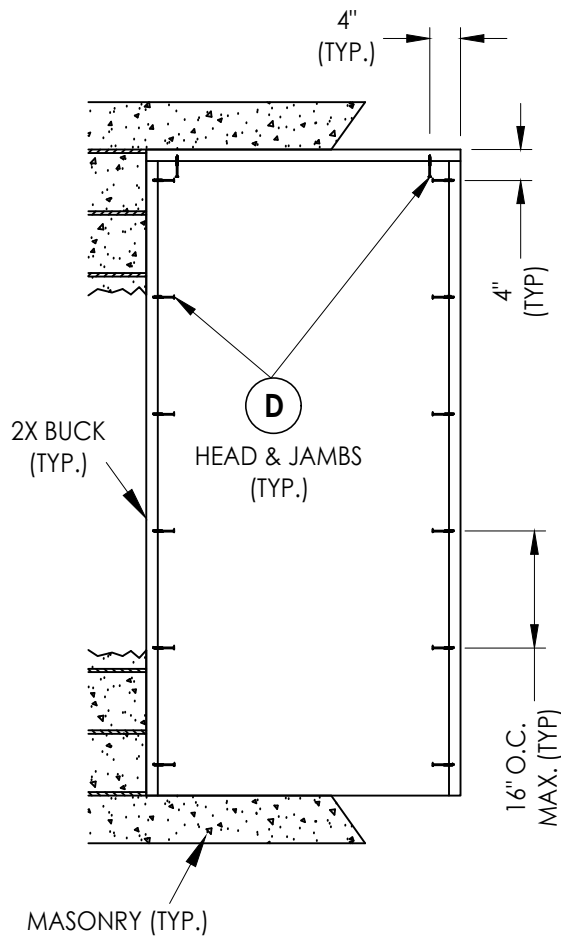
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 334
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

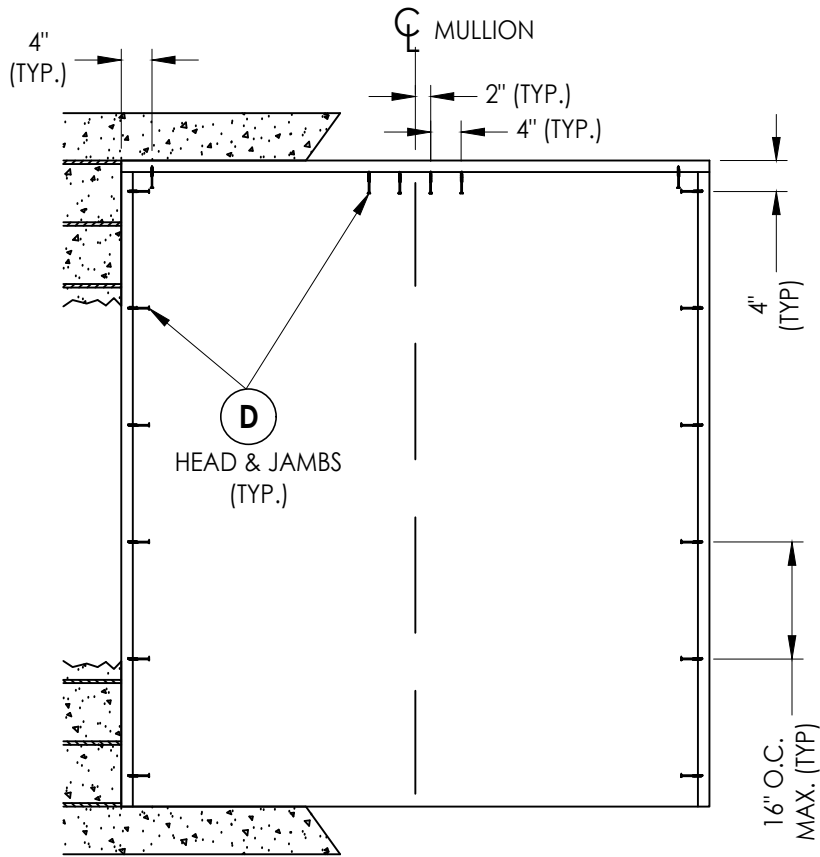
PART OR ASSEMBLY: HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

[illegible]

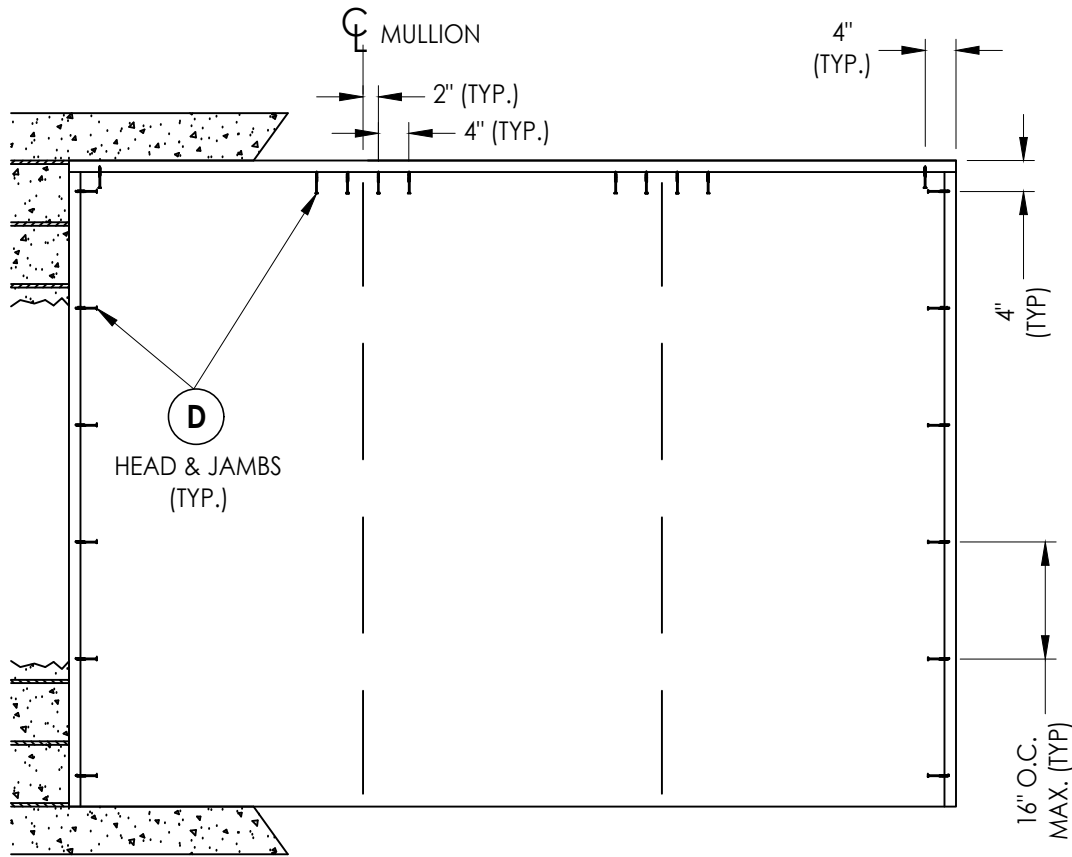
Z:\2023 FBC Drawings\Plastpro\FL-17347 R6\FL-17347.5-6.dwg



X



XO / OX



OXO

2X BUCK ANCHORING

NO.	DATE	REVISIONS			
		JK	FBC	DAC	LFS
4	8/10/23	UPDATE TO 8TH ED. (2023)	FBC		
3	8/05/20	UPDATE TO 7TH ED. (2020)	FBC		
2	7/27/17	UPDATE TO 6TH ED. (2017)	FBC		
1	04/14/15	UPDATE TO 5TH ED. (2014)	FBC		

DATE: 10/08/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-17347.5

SHEET 11 OF 13

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

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



XO / OX



FRAME ANCHORING



HARDWARE DETAILS

[illegible]

Z:\2023 FBC Drawings\Plastpro\FL-17347 R6\FL-17347.5-6.dwg

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
P	1/4" X 2-1/4" PFH DeWALT CONCRETE SCREW	STEEL
1	POLY FIBER JAMB	COMP.
4	1X REINFORCEMENT (G >= 0.55)	WOOD
5	2X REINFORCEMENT (G >= 0.55)	WOOD
6	DOOR SWEEP	PVC
7	WEATHERSTRIP (ENDURA FORCE 5)	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
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	ADA THRESHOLD	ALUM
25	OUTSWING THRESHOLD	ALUM/COMP
26	INSWING THRESHOLD	ALUM/COMP
40	DOOR PANEL	-
50	SIDELITE PANEL	-

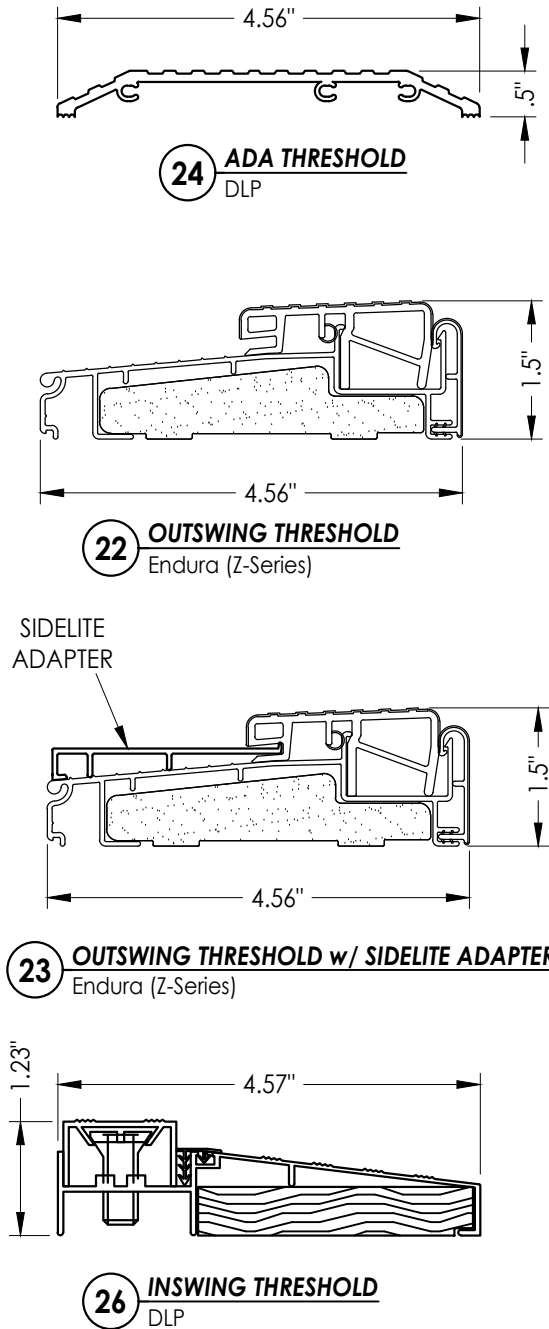
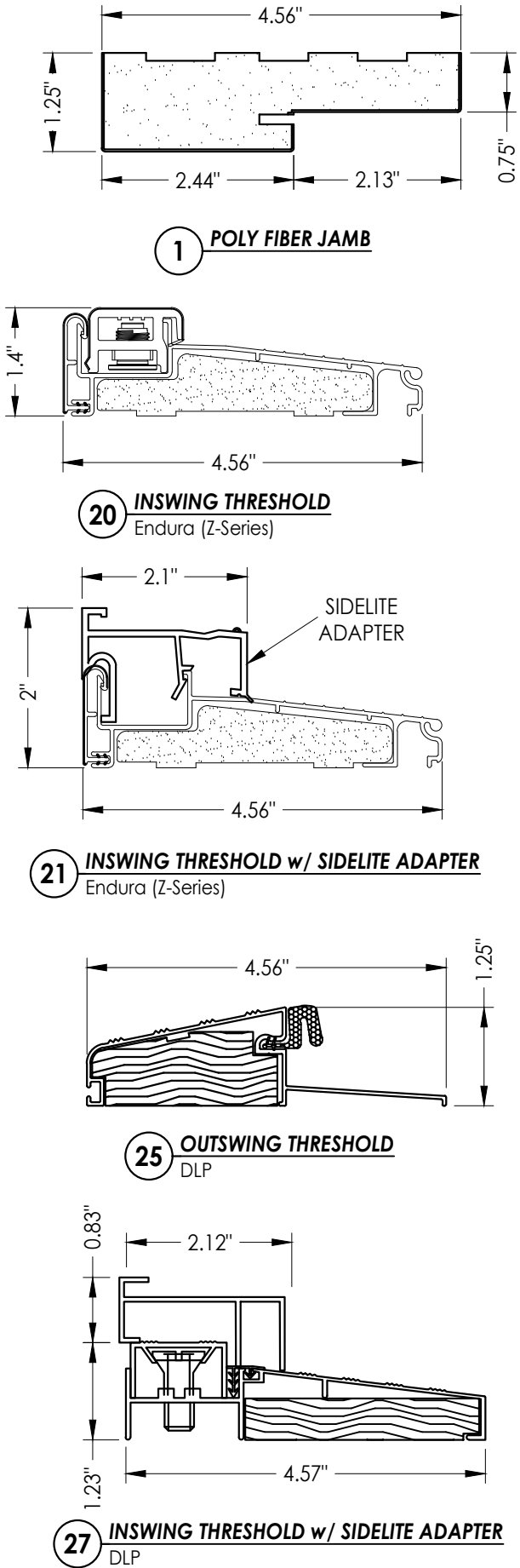
CONCRETE ANCHOR NOTES:

- 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 BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	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.



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:
BILL OF MATERIALS
& COMPONENTS

		LFS	DAC	JK	JK	BY
		UPDATE TO 8TH ED. (2023) FBC	UPDATE TO 7TH ED. (2020) FBC	UPDATE TO 6TH ED. (2017) FBC	UPDATE TO 5TH ED. (2014) FBC	
4	8/10/23					
3	8/05/20					
2	7/27/17					
1	04/14/15					
NO.	DATE					

REVISIONS

DATE: 10/08/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-17347.5

SHEET 13 OF 13