

plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

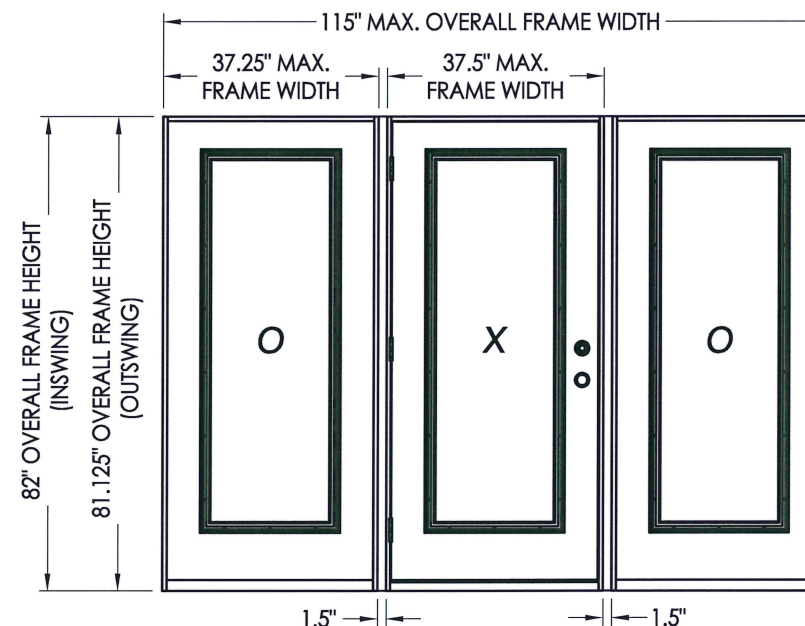
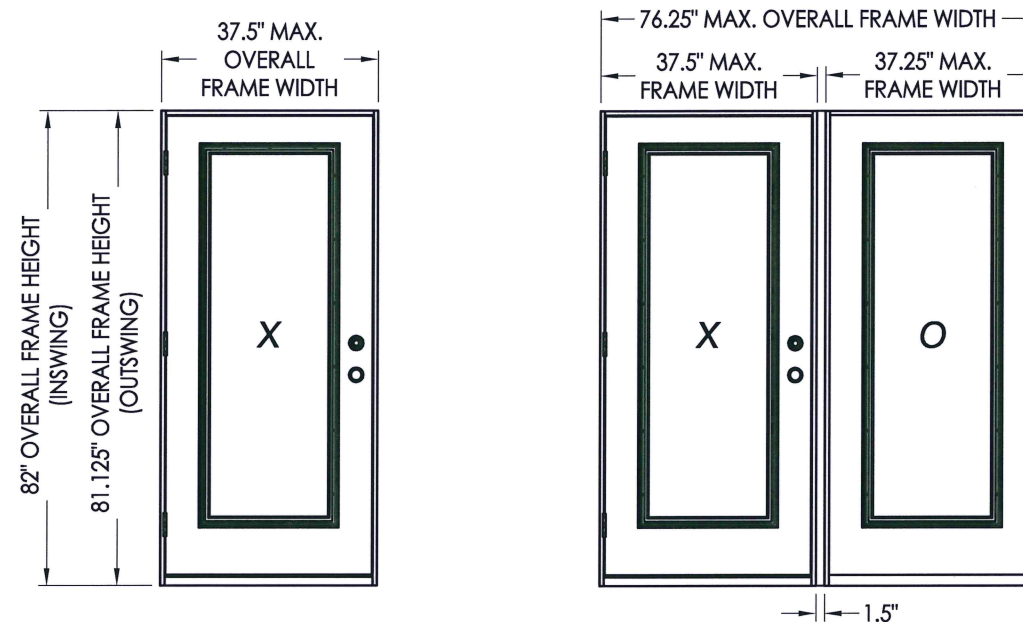
**GLAZED FIBERGLASS DOORS
SINGLES
w/ or w/o SIDELITES
INSWING / OUTSWING
"IMPACT"**

GENERAL NOTES

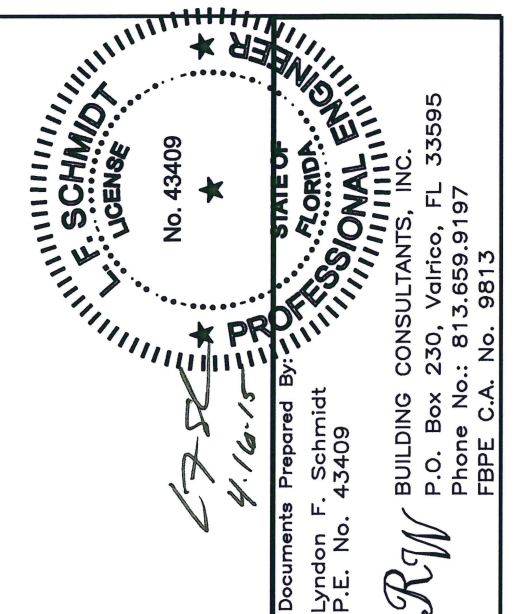
1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Section 1609.1.2 of the FBC 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 Section 1609.1.2.2 of the FBC.
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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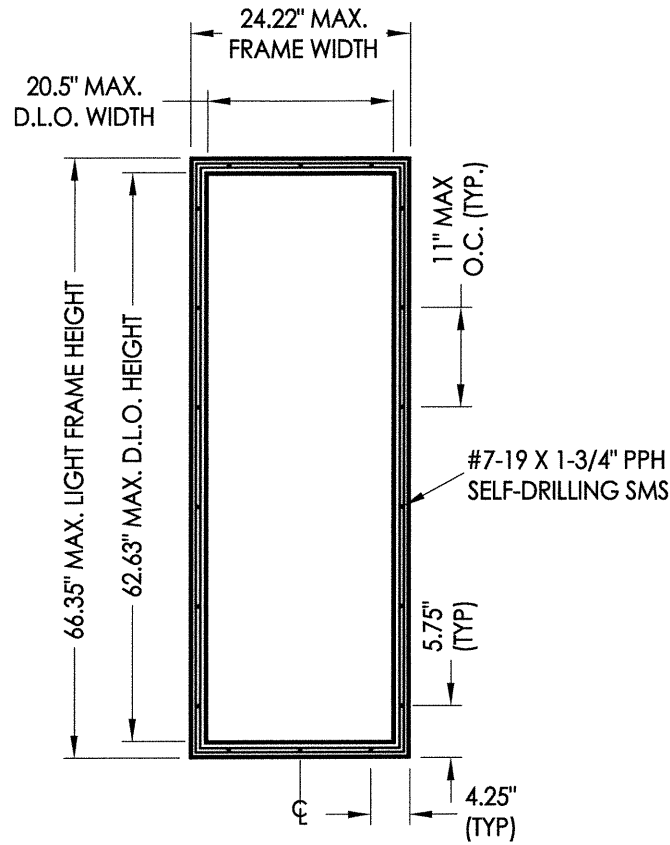
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door & Sidelite panel details
3	Lite frame glazing details
4	Elevations
5	Vertical cross sections
6	Horizontal cross sections
7	Buck anchoring
8	Frame anchoring & hardware details
9	Bill of materials and components



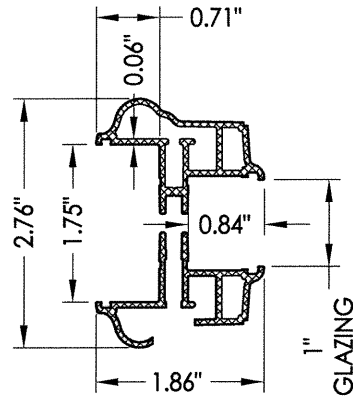
CONFIGURATION	MAX. FRAME DIMENSION	JAMB REINFORCEMENT	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 82.0"	N/A	+50.0	-50.0	+50.0	-50.0
OX/XO	74.75" x 82.0"	N/A	+35.0	-40.0	+35.0	-35.0
	75.5" x 82.0"	1X	+40.0	-45.0	+40.0	-40.0
	76.25" x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



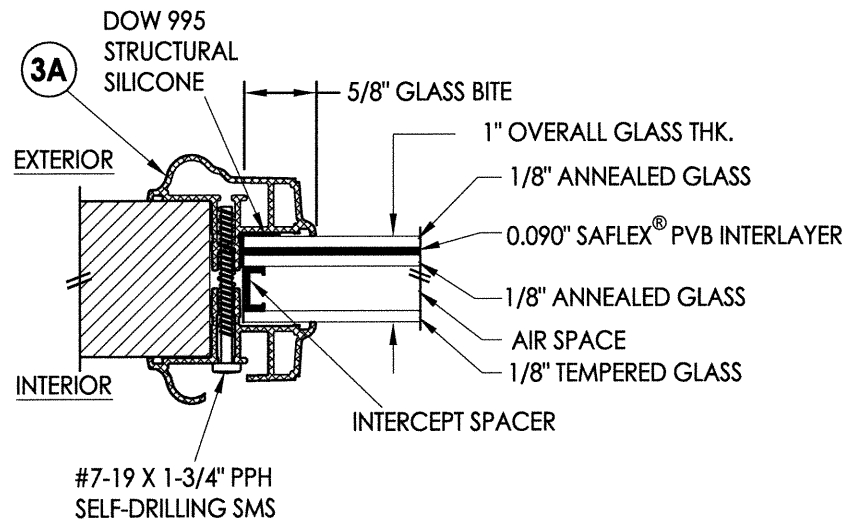
PRODUCT:	PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
DATE:	10/8/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17347.5
SHEET	1 OF 9



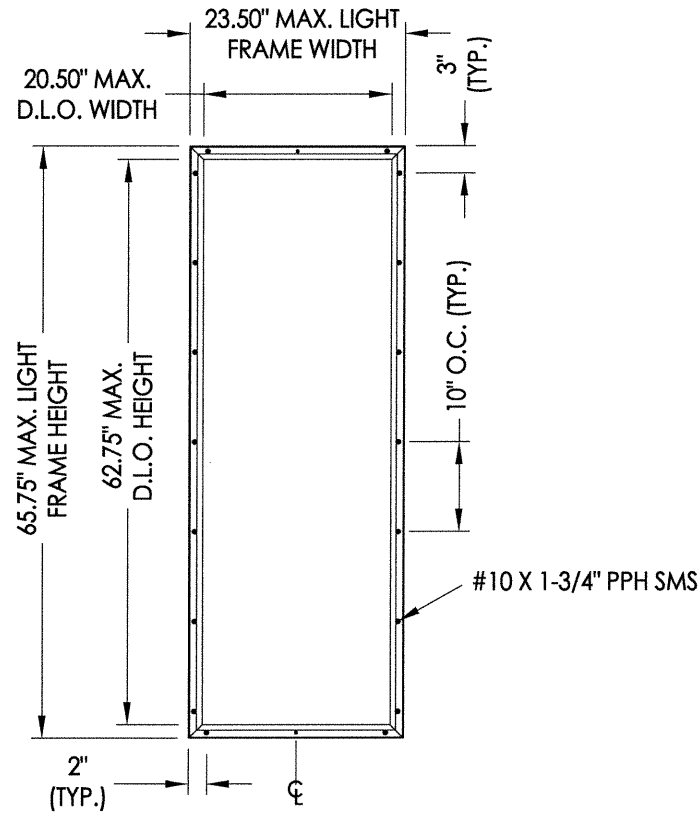
ODL LITE FRAME



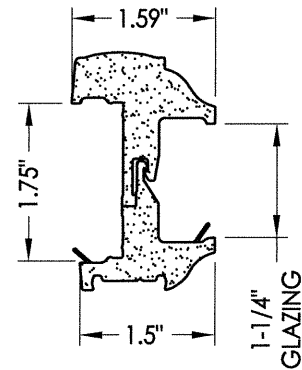
3A ODL LITE FRAME
Aluminum



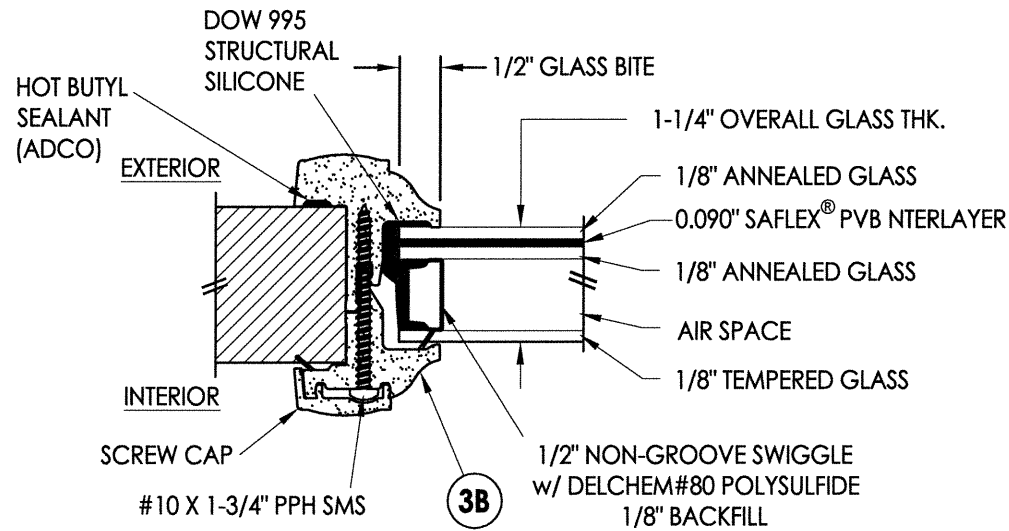
G1 GLAZING DETAIL
ODL Lite Frame



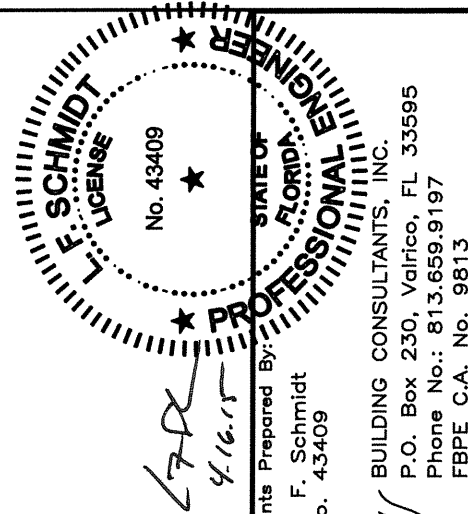
RSL LITE FRAME



3B RSL LITE FRAME
PVC



G2 GLAZING DETAIL
RSL Lite Frame



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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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FBPE C.A. No. 9813

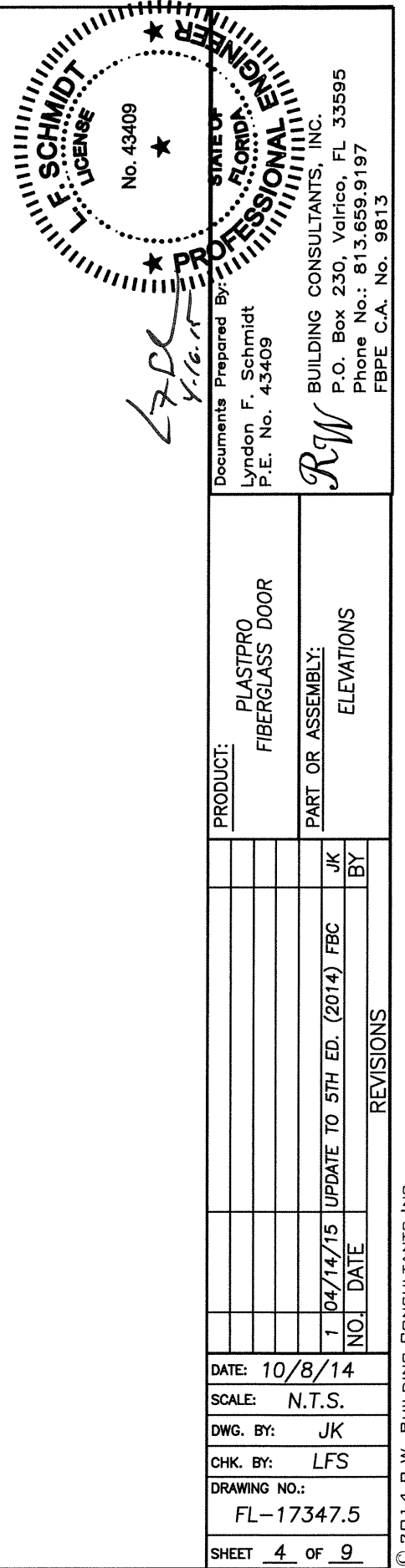
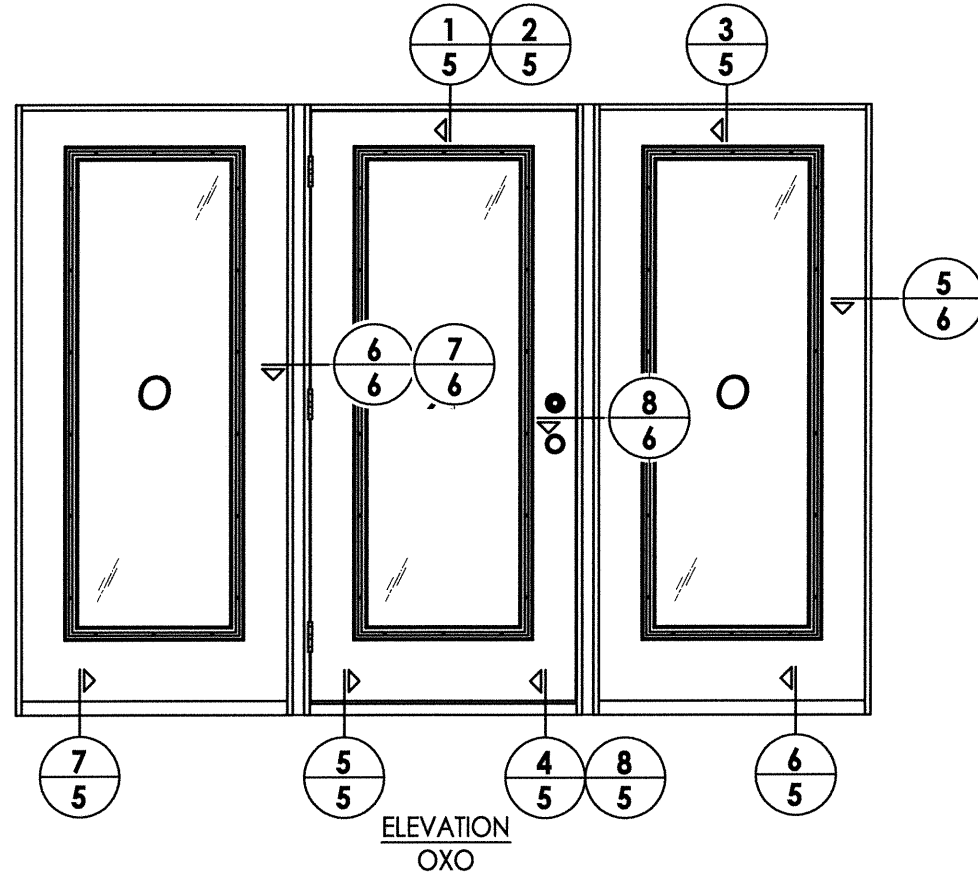
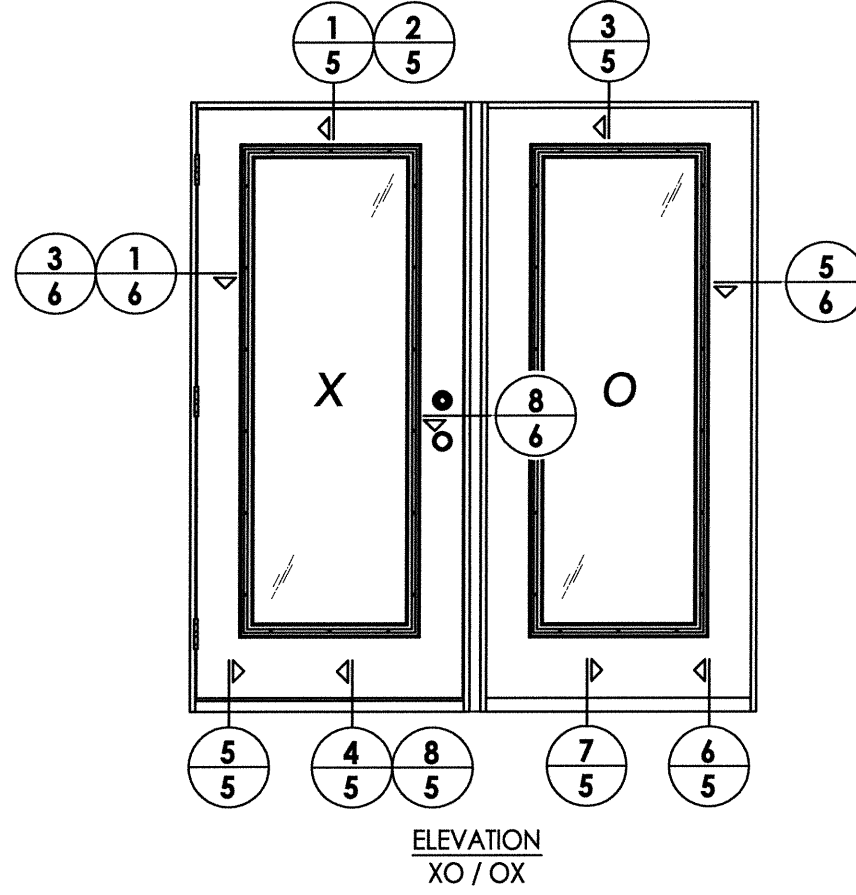
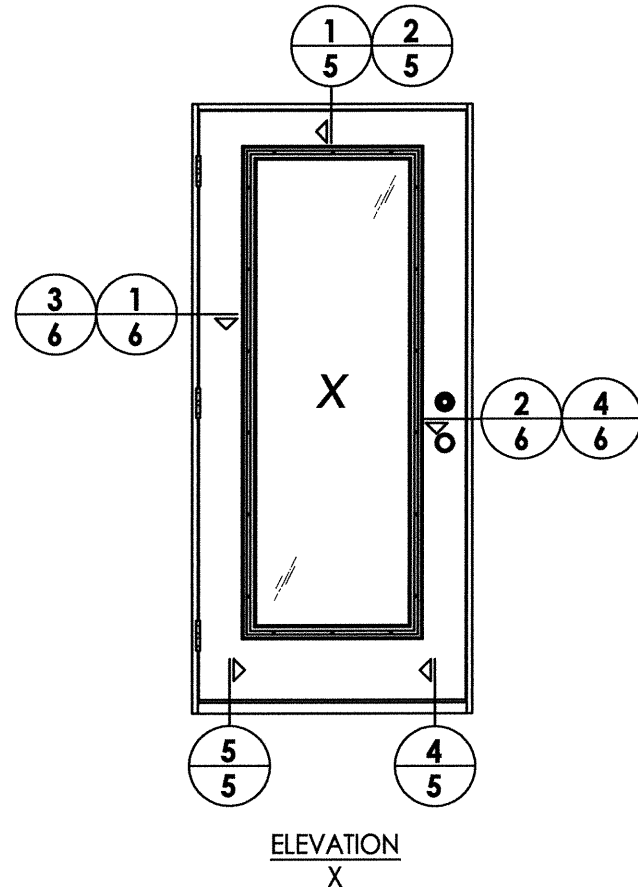
PRODUCT: PLASTPRO
FIBERGLASS DOOR

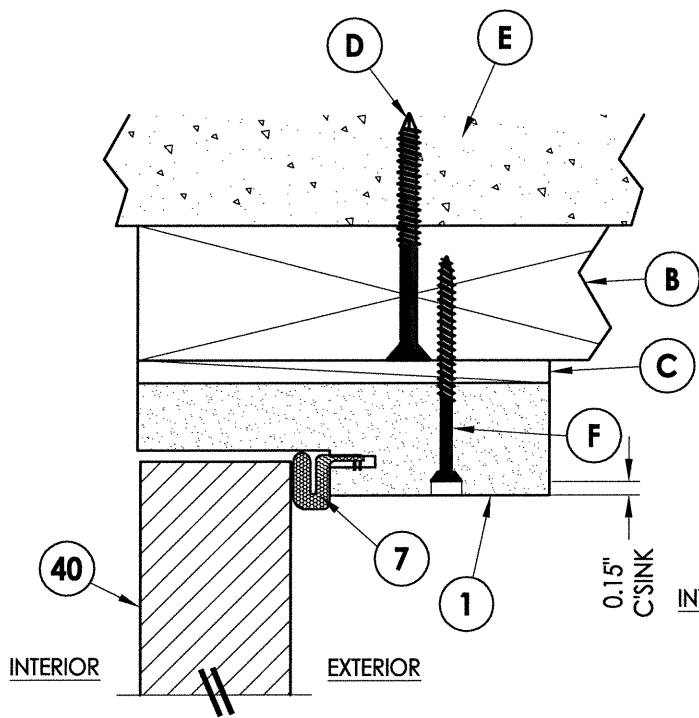
PART OR ASSEMBLY:
LITE FRAME
GLAZING DETAILS

NO.	DATE	DESCRIPTION
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC

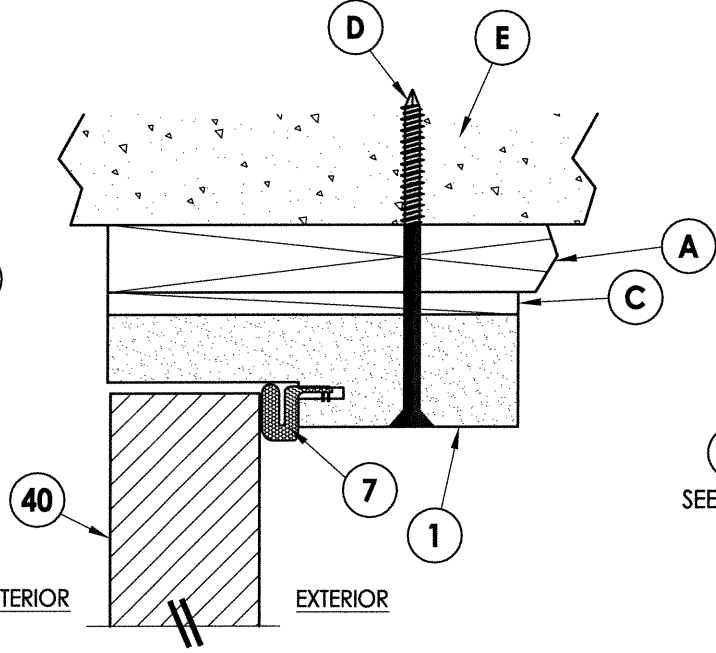
REVISIONS

DATE: 10/8/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17347.5
SHEET 3 OF 9

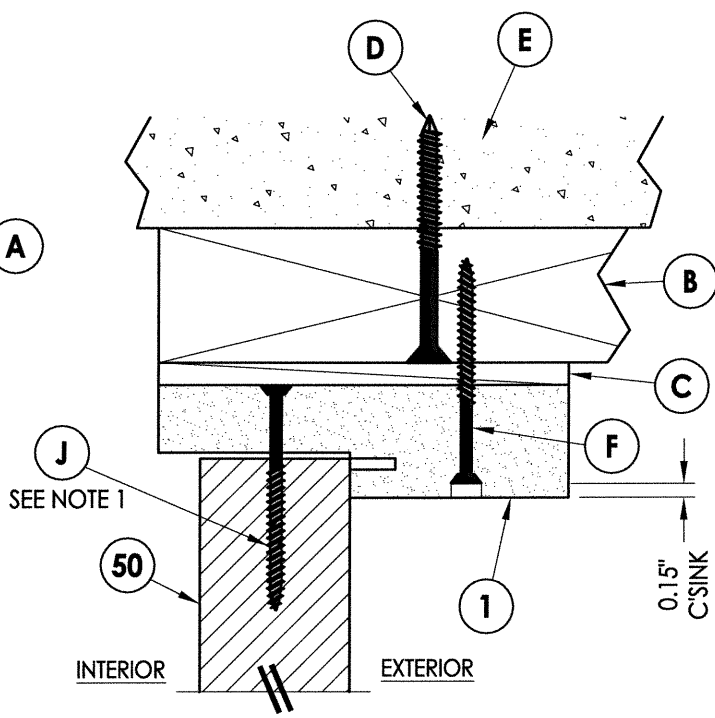




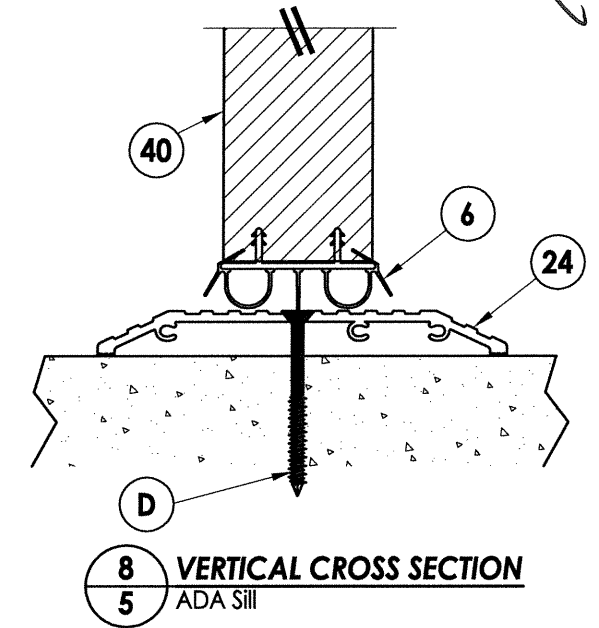
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5 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction



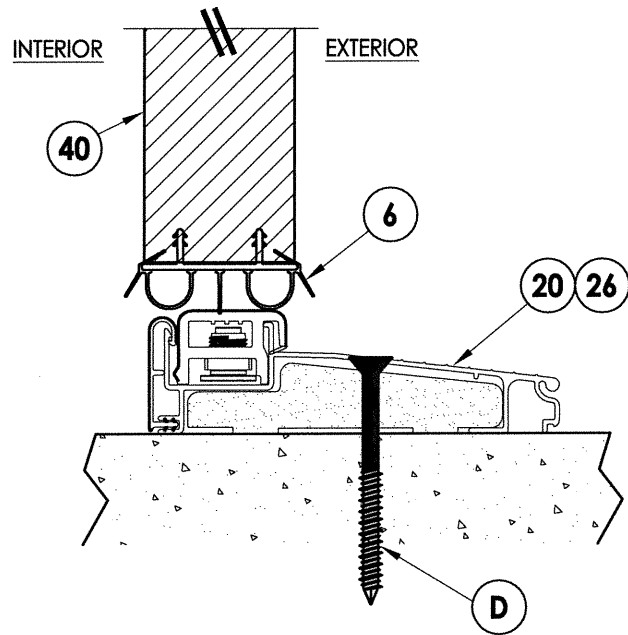
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5 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
1X Buck Construction



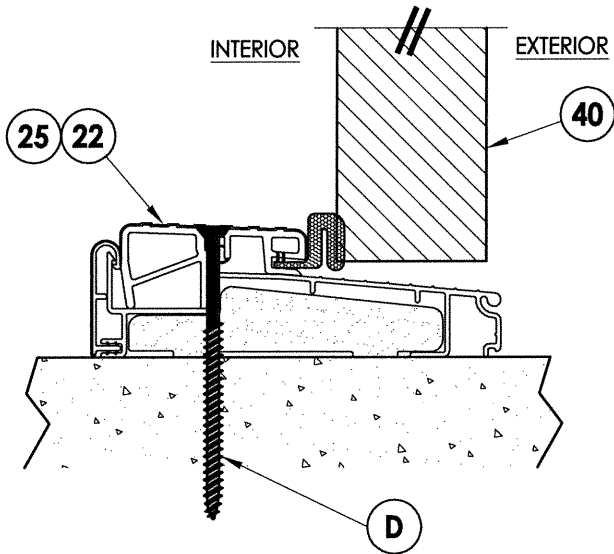
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5 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction



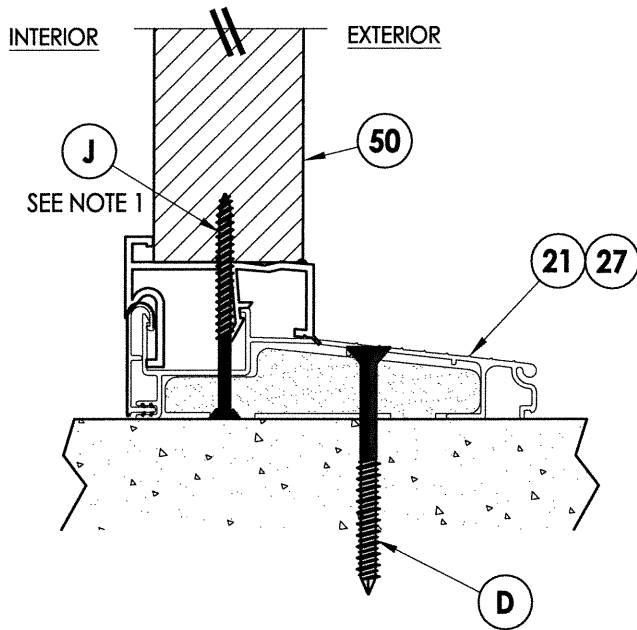
8
5 **VERTICAL CROSS SECTION**
ADA Sill



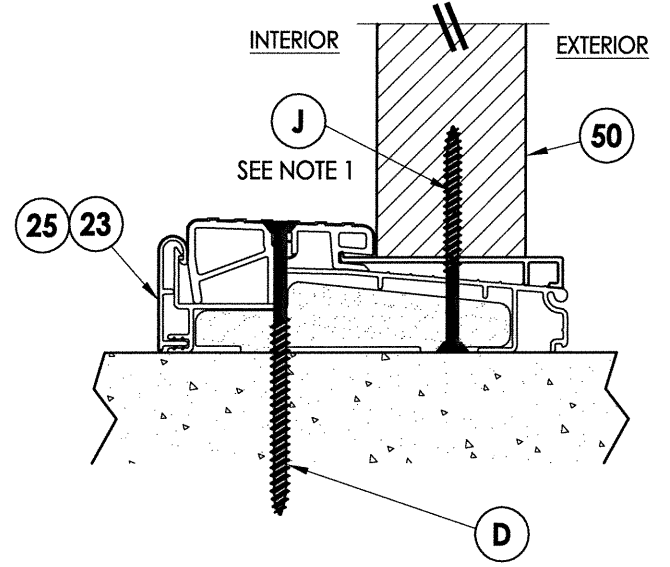
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5 **VERTICAL CROSS SECTION**
Inswing sill



5
5 **VERTICAL CROSS SECTION**
Outswing sill

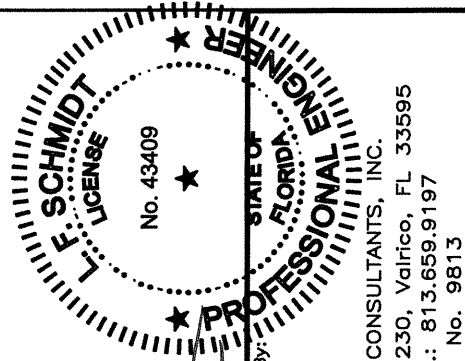


6
5 **VERTICAL CROSS SECTION**
Inswing sill



7
5 **VERTICAL CROSS SECTION**
Inswing sill

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



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FBPE C.A. No. 9813

PRODUCT:		PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
DATE:		10/8/14	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-17347.5	
SHEET		5 OF 9	
NO.		DATE	
1		04/14/15	
UPDATE TO		5TH ED. (2014)	
FBC		BY	
JK		REVISIONS	

0.15" C'SINK

1

7

12

C

F

M

D

E

Technical drawing of a cross-section of a wall assembly. The drawing shows a vertical wall section with various layers and components. Labels include:

- E**: Points to the exterior finish layer.
- C**: Points to the vertical cavity or gap.
- 1**: Points to the main vertical wall section.
- 7**: Points to a horizontal component, possibly a fastener or seal.
- 40**: Points to a horizontal component, possibly a fastener or seal.
- EXTERIOR**: Label for the outer side of the wall.
- 9**: Points to a horizontal component, possibly a fastener or seal.
- 11**: Points to a horizontal component, possibly a fastener or seal.
- INTERIOR**: Label for the inner side of the wall.
- 0.15" C'SINK**: Dimension indicating a 0.15 inch cavity or sink.

0.15" C'SINK

(C)

(1)

(D)

(7)

INTERIOR

EXTERIOR

INTERIOR

(40)

(12)

(G)

0.15" C'SINK

1

SEE NOTE 1

J

EXTERIOR

INTERIOR

50

C

F

D

E

Diagram 7: HORIZONTAL CROSS SECTION. This diagram shows a horizontal cross-section of a wall assembly. The wall consists of a central core (1) with vertical reinforcement (5) and horizontal reinforcement (1). The core is surrounded by a concrete or masonry layer (J). The wall is supported by a foundation (40) and a base (11). A horizontal section (50) is shown on the left, with a vertical section (J) and a horizontal section (J). A vertical section (7) is shown on the right, with a horizontal section (9) and a vertical section (11). A horizontal section (40) is shown at the bottom, with a vertical section (11) and a horizontal section (9). A horizontal section (40) is shown at the bottom, with a vertical section (11) and a horizontal section (9).

Technical drawing of a door construction cross-section. The drawing shows a door frame assembly with various components labeled with circled numbers and letters. The door is shown in a closed position, with the handle and lock mechanism visible. The frame is shown in a cross-section view, with the door leaf and the frame leaf. The labels include: 1 (top of door leaf), M (top of frame leaf), 50 (top of door leaf), 7 (top of frame leaf), 9 (top of door leaf), 9 (top of frame leaf), EXTERIOR (top of frame leaf), J (top of door leaf), J (top of frame leaf), SEE NOTE 1 (bottom left), 9 (bottom of door leaf), 11 (bottom of frame leaf), 40 (bottom of door leaf), and INTERIOR (bottom of frame leaf).

Diagram illustrating the horizontal cross section of a window assembly. The diagram shows the relationship between the window frame, the sash, and the glazing. Key components and callouts include:

- 1**: Points to the top and bottom sash rails.
- 5**: Points to the top sash rail.
- J**: Points to the sash cord or cable.
- 7**: Points to the sash weight or counterweight.
- 40**: Points to the exterior frame or sash support.
- 12**: Points to the sash cord or cable.
- M**: Points to the sash cord or cable.
- 50**: Points to the interior frame or sash support.
- 8**: Points to the bottom sash rail.
- SEE NOTE 1**: Points to the interior frame or sash support.

The diagram also indicates the **EXTERIOR** and **INTERIOR** directions.

**F. SCHMIDT
LICENSE**

No. 43409

★

STATE OF
FLORIDA

PROFESSIONAL ENGINEER

CONSULTANTS, INC.

230, Valrico, FL 33595

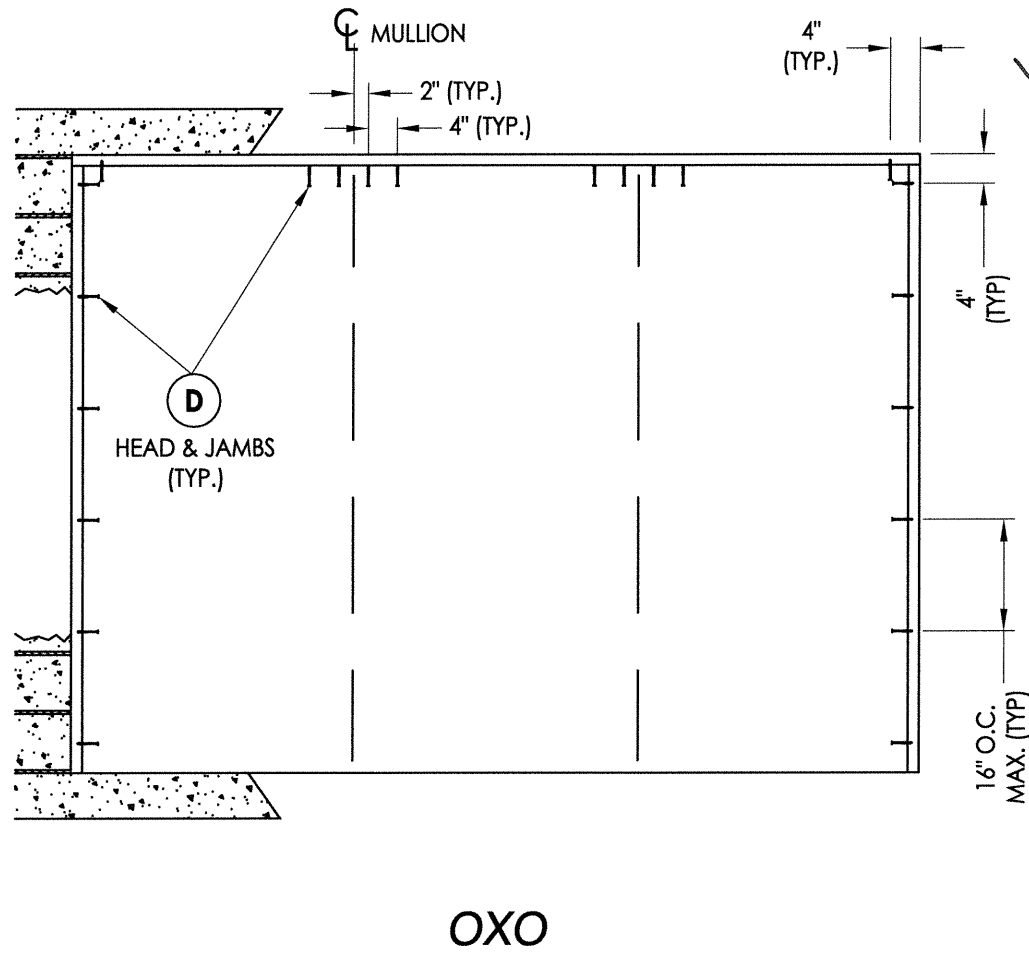
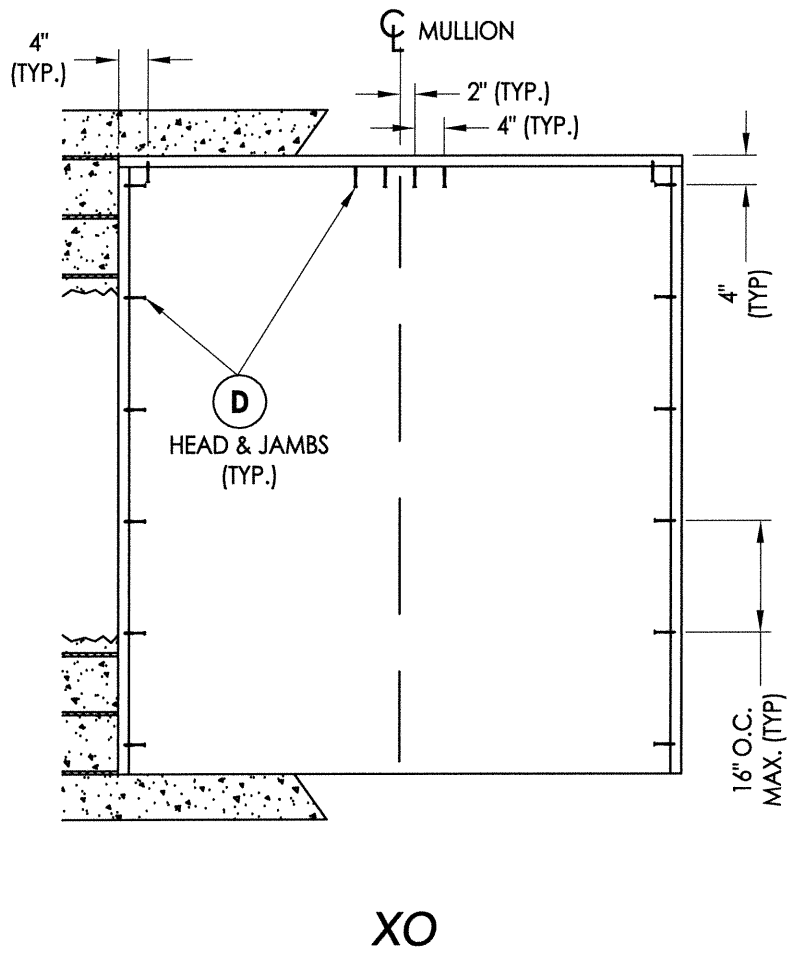
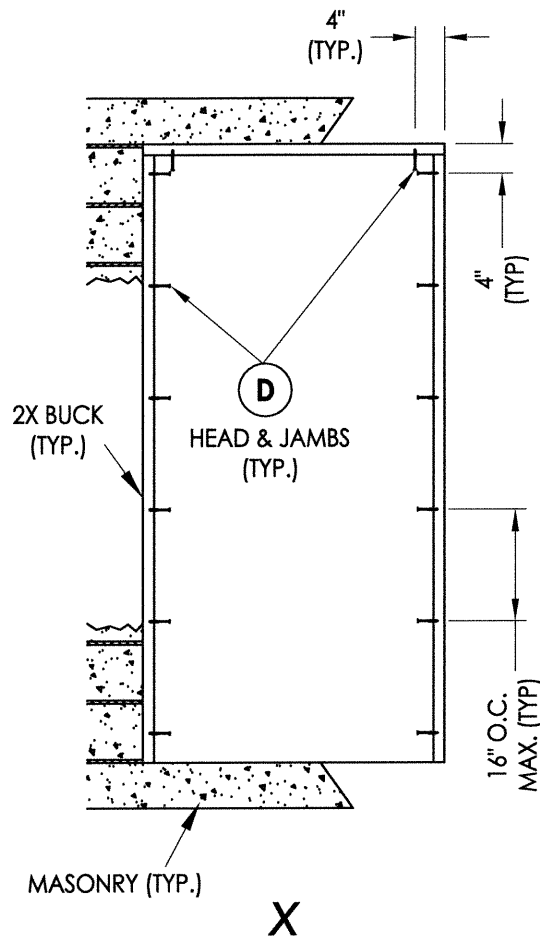
∴ 813.659.9197

No. 9813

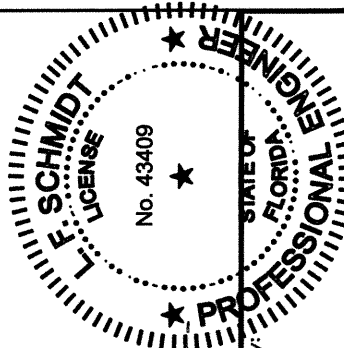
BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE C.A. No. 9813

PART OR ASSEMBLY:

DATE:	10/8/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17347.5
SHEET	6 OF 9



2X BUCK ANCHORING



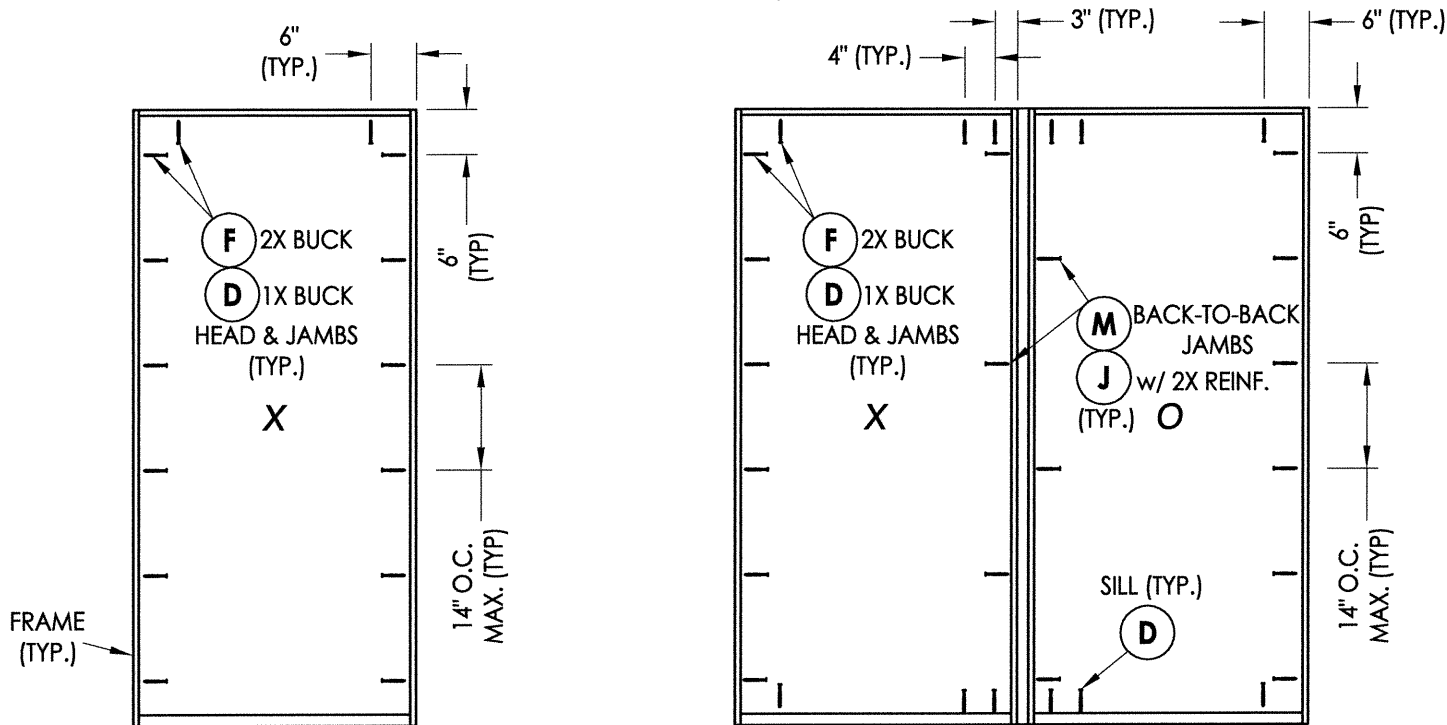
LFS
11/6/15

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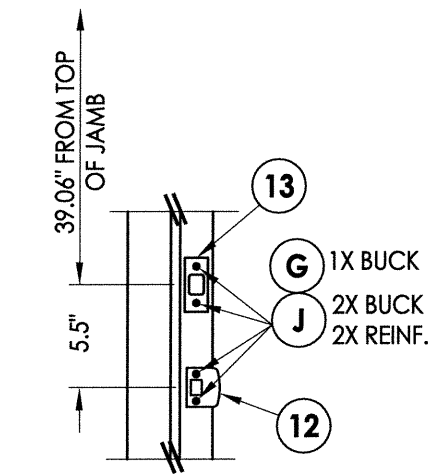
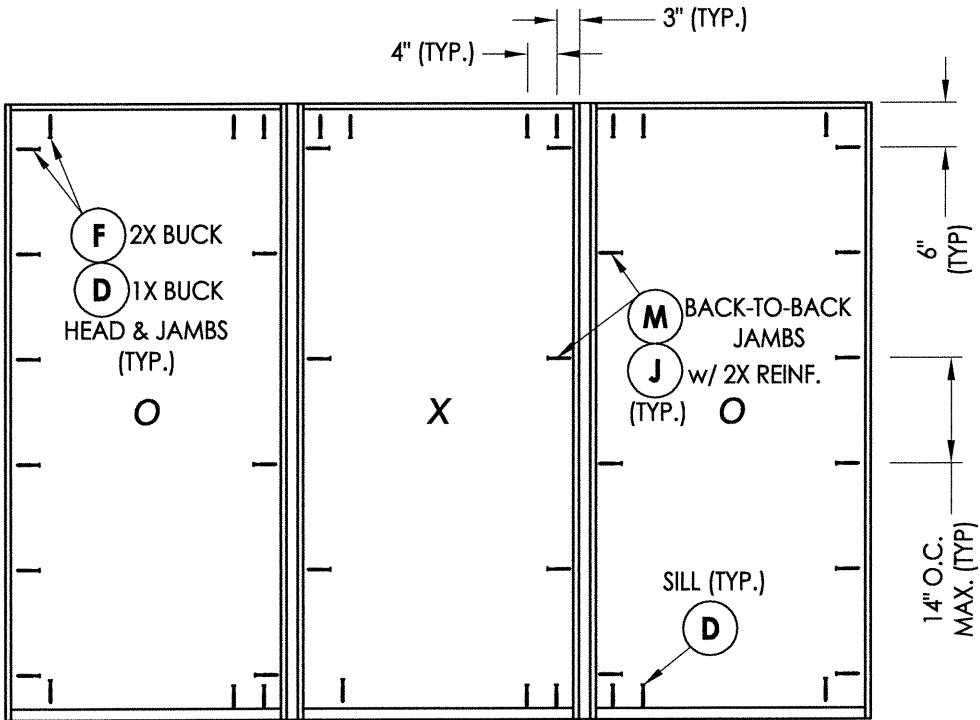
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		BUCK ANCHORING	
1	04/14/15	UPDATE TO 5TH ED. (2014)	JK
NO.	DATE		BY
REVISIONS			
DATE: 10/8/14			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17347.5			
SHEET 7 OF 9			

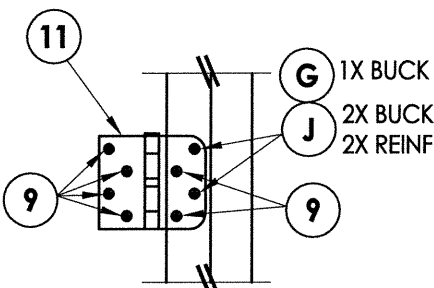
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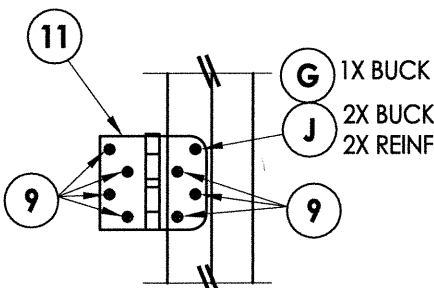
FRAME ANCHORING



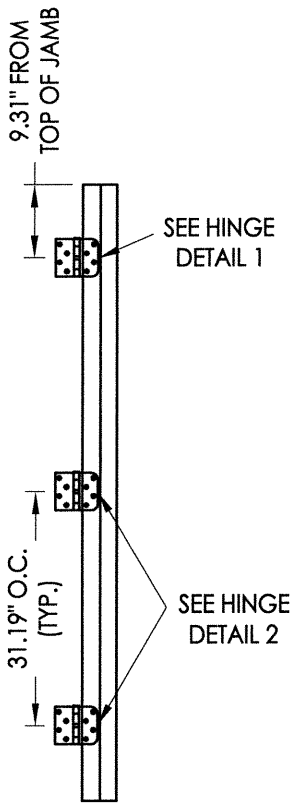
LATCH AND DEADBOLT DETAILS



HINGE DETAIL 1

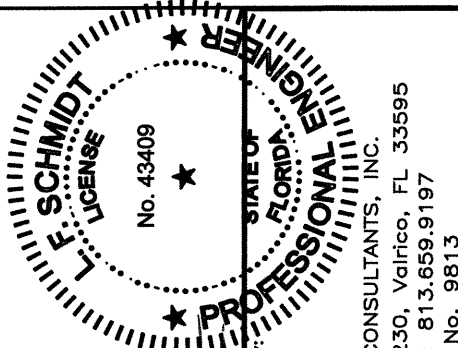


HINGE DETAIL 2



HINGE JAMB

HARDWARE DETAILS



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PRODUCT:		PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		FRAME ANCHORING & HARDWARE DETAILS	
DATE:		10/8/14	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-17347.5	
SHEET		8	OF 9

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" PFH CONCRETE SCREW (1-1/4" MIN. EMB.)	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
G	3/16" PFH CONCRETE SCREW (1-1/4" MIN. EMB.)	STEEL
J	#10 X 2-1/2" PFH WOOD SCREW	STEEL
M	#10 X 2" PFH WOOD SCREW	STEEL
1	POLY FIBER JAMB	COMP.
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	-

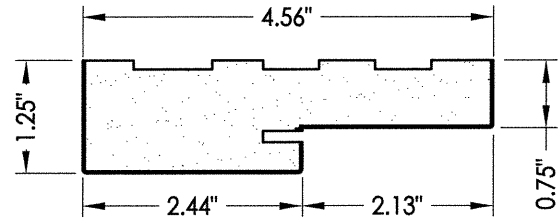
CONCRETE ANCHOR NOTES:

- 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:

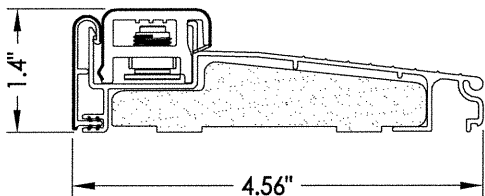
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

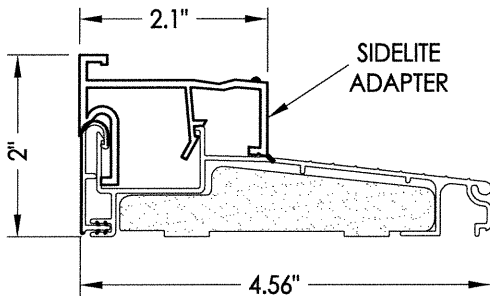
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



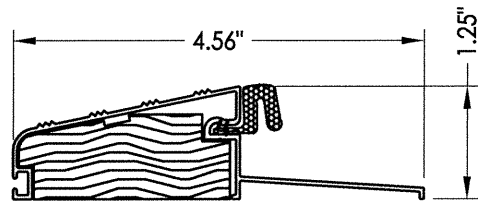
1 POLY FIBER JAMB



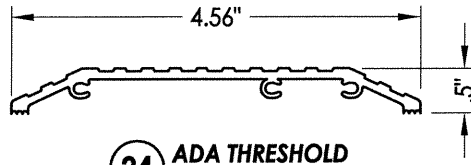
20 INSWING THRESHOLD
Endura (Z-Series)



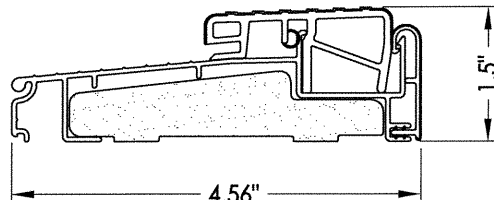
21 INSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



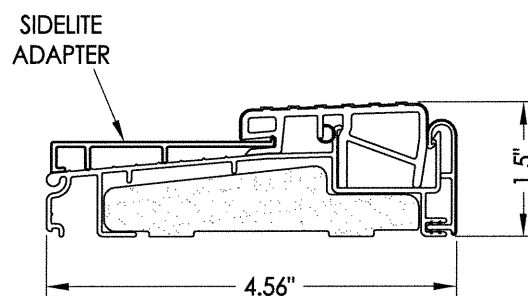
25 OUTSWING THRESHOLD
DLP



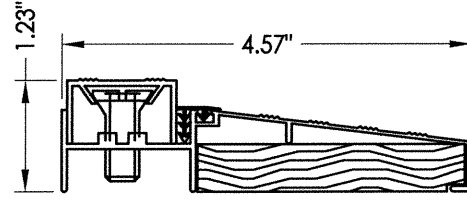
24 ADA THRESHOLD
DLP



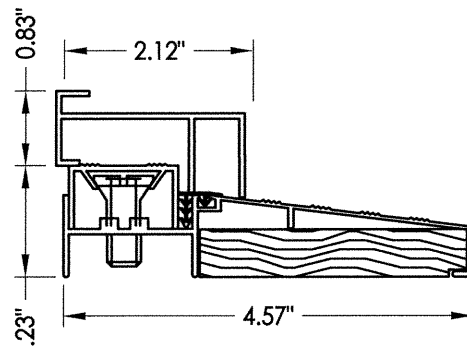
22 OUTSWING THRESHOLD
Endura (Z-Series)



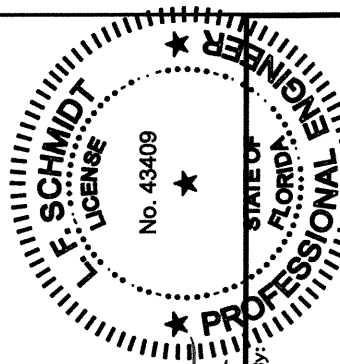
23 OUTSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



26 INSWING THRESHOLD
DLP



27 INSWING THRESHOLD w/ SIDELITE ADAPTER
DLP



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FBPE C.A. No. 9813

PRODUCT: PLASTPRO
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC
JK	BY	

DATE: 10/8/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-17347.5

SHEET 9 OF 9