

plastpro

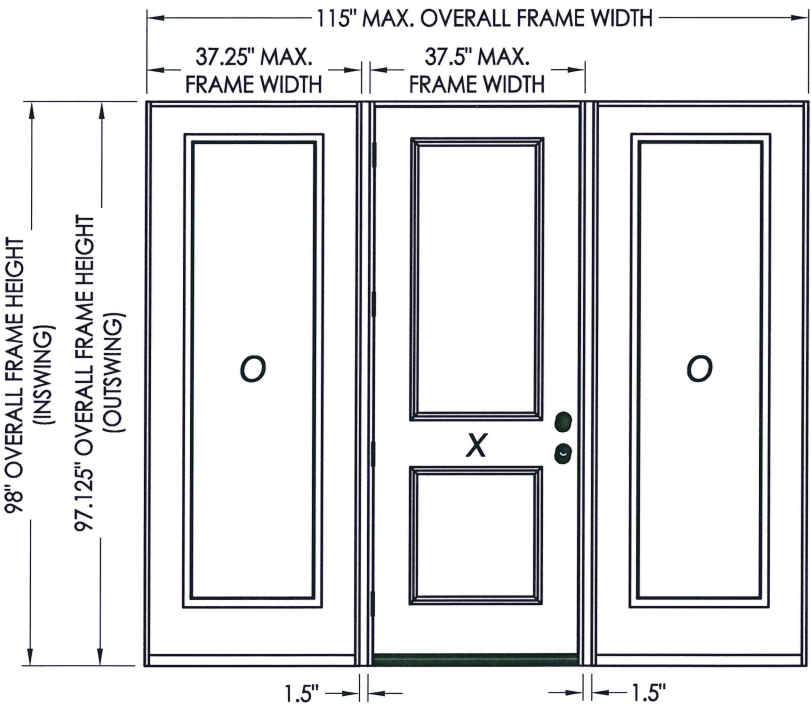
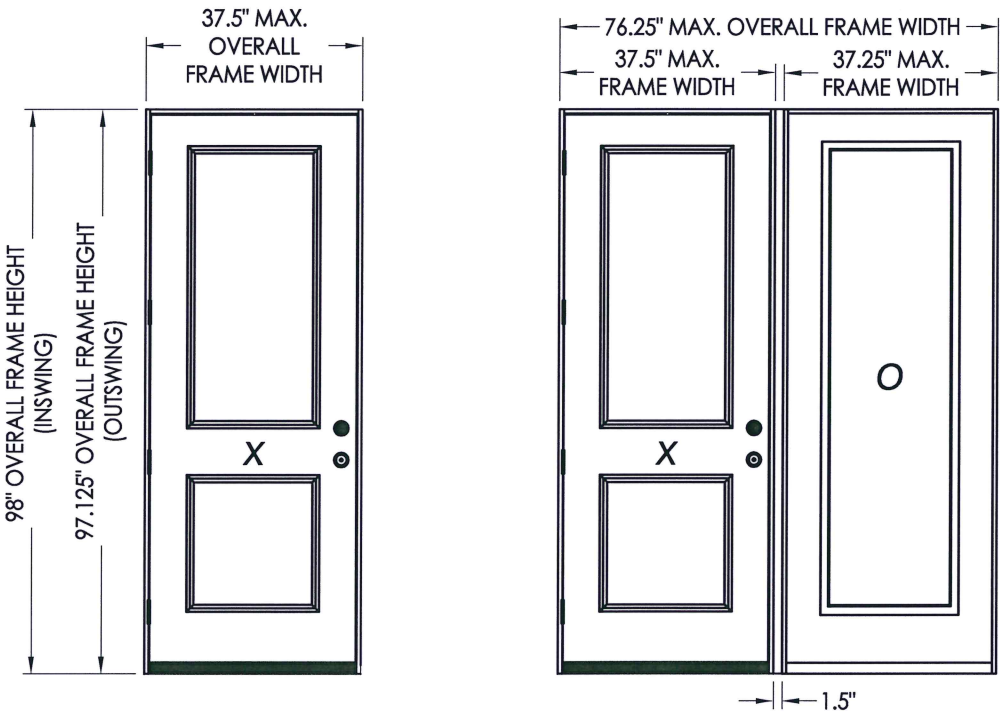
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

OPAQUE FIBERGLASS DOORS
SINGLES
w/ or w/o SIDELITES
INSWING / OUTSWING
"NON-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 is required to be protected with an impact resistant covering that complies with Section 1609.1.2 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.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Sidelite panel details
4	Lite frame glazing details
5	Elevations
6	Vertical cross sections
7	Horizontal cross sections
8	Buck anchoring
9	Frame anchoring & hardware details
10	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 98.0"	N/A	+60.0	-65.0	+60.0	-60.0
OX/XO	74.75" x 98.0"	N/A	+40.0	-45.0	+40.0	-40.0
	76.25" x 98.0"	2X	+45.0	-50.0	+45.0	-45.0
OXO	112.0" x 98.0"	N/A	+40.0	-45.0	+40.0	-40.0
	115.0" x 98.0"	2X	+45.0	-50.0	+45.0	-45.0

Professional Engineer

FL SCHMIDT LICENSE

No. 43409

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

4/16/15

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
		JK	BY
		1	04/14/15
		NO.	DATE
		REVISIONS	
		DATE: 10/8/14	
		SCALE: N.T.S.	
		DWG. BY: JK	
		CHK. BY: LFS	
		DRAWING NO.: FL-17347.11	
		SHEET 1 OF 10	

Technical drawing of a door with the following dimensions and labels:

- 35.75" MAX. PANEL WIDTH**: Dimension across the top of the door panel.
- 95.25" MAX. PANEL HEIGHT**: Dimension along the left side of the door panel.
- 54.19"**: Dimension from the top of the door to the center of the lock hardware.
- 5.5"**: Dimension from the center of the lock hardware to the bottom of the door panel.
- 1** and **2**: Circled numbers indicating the top and bottom panels of the door.
- X**: A large 'X' mark indicating the hinge location on the door panel.
- SEE DOOR LOCK HARDWARE TABLE**: Text pointing to the lock hardware.

DOOR LOCK HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB: SERIES (400) DEADBOLT: SERIES (660)	
YALE	KNOB: CIRRUS 100 C DEADBOLT: 820 SINGLE CYLINDER	

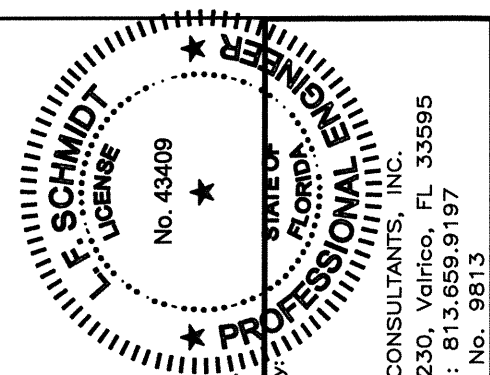
Diagram illustrating the cross-section of a parapet wall. The wall is shown with a height of 12" and a top rail (COMP.) indicated by a dashed line. The wall is labeled INTERIOR on the left and EXTERIOR on the right.

Diagram illustrating the cross-section of a composite structure, showing the following layers and components:

- FOAM CORE (POLYURETHANE - 1.9 PCF MIN.)**: The upper layer of the composite.
- FIBERGLASS SKIN (0.075" MIN. THK.)**: The thin layer immediately below the foam core.
- BOTTOM RAIL (COMP.)**: The lower section of the structure, containing internal vertical supports.

The total height of the structure is indicated as **12"**.

2 VERTICAL CROSS SECTION

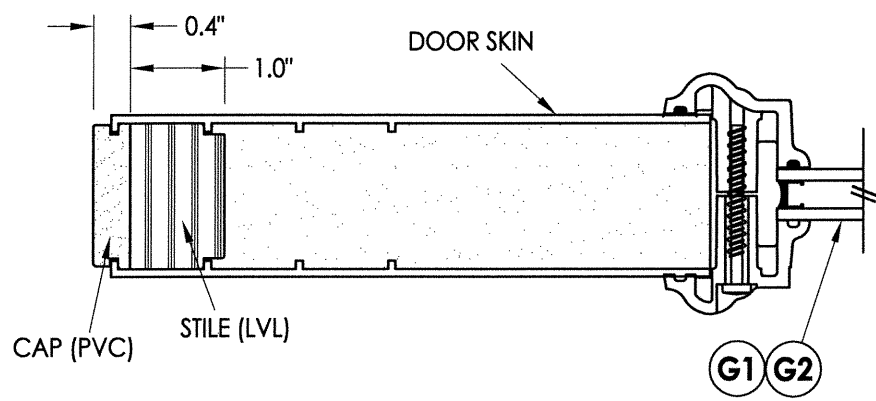


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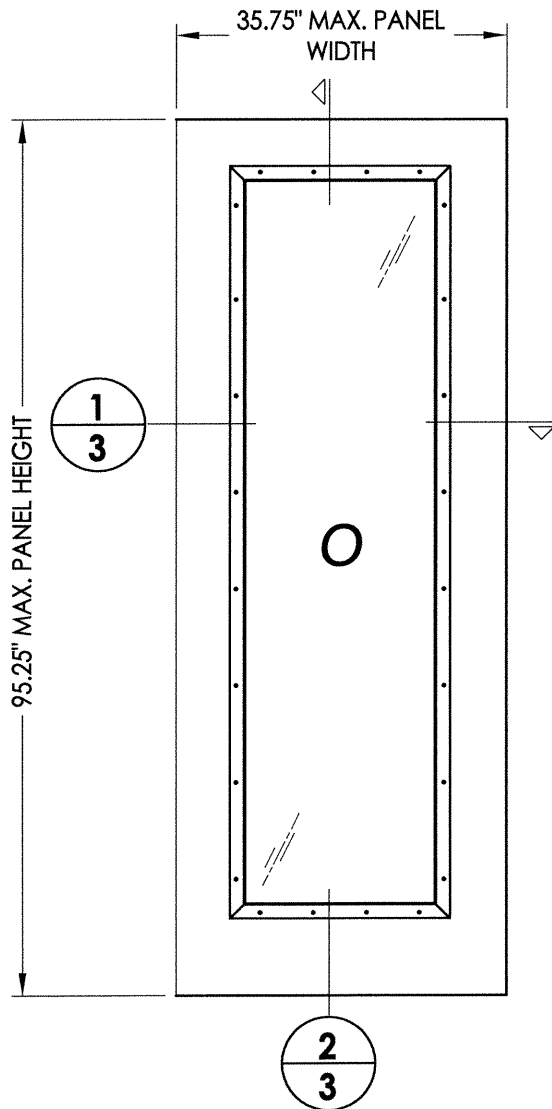
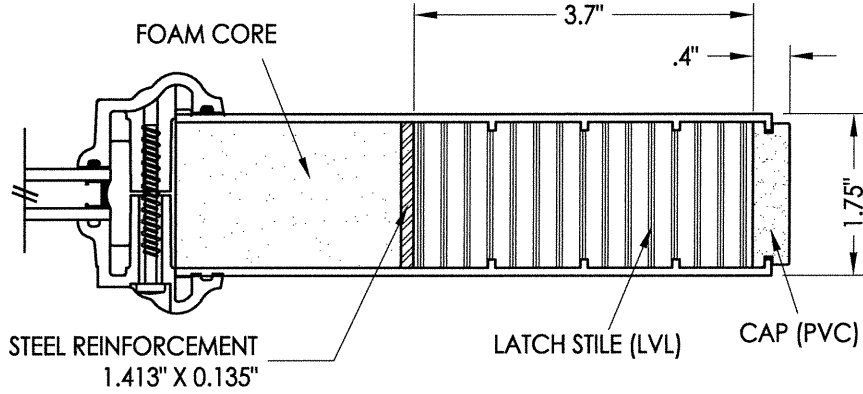
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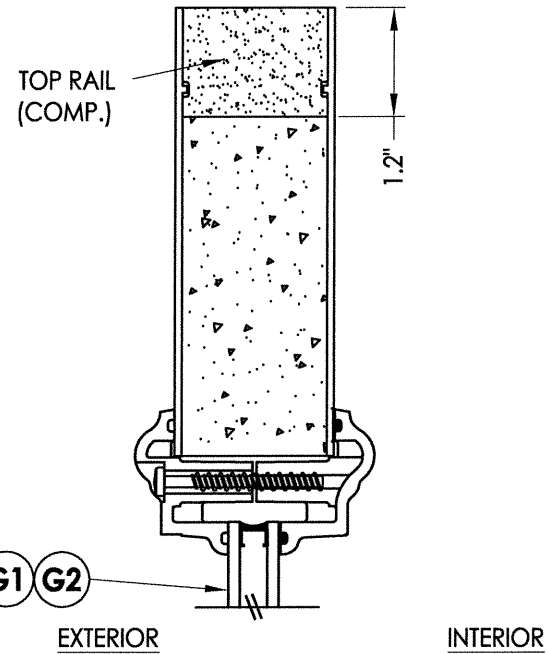
EXTERIOR

INTERIOR

1
3 HORIZONTAL CROSS SECTION



50 PLASTPRO SIDELITE PANEL



EXTERIOR

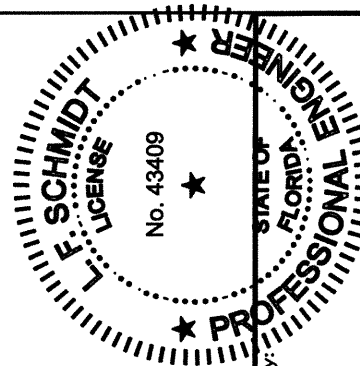
INTERIOR

FOAM CORE
(POLYURETHANE -
1.9 PCF MIN.)

FIBERGLASS SKIN
(0.075" MIN. THK.)

BOTTOM RAIL
(COMP.)

2
3 VERTICAL CROSS SECTION



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FBPE C.A. No. 9813

PRODUCT:
PLASTPRO
FIBERGLASS DOOR

PART OR ASSEMBLY:
SIDELITE
PANEL DETAILS

DATE: 10/8/14

SCALE: N.T.S.

DWG. BY: JK

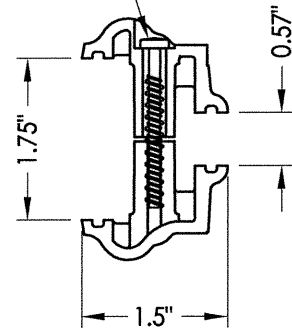
CHK. BY: LFS

DRAWING NO.:
FL-17347.11

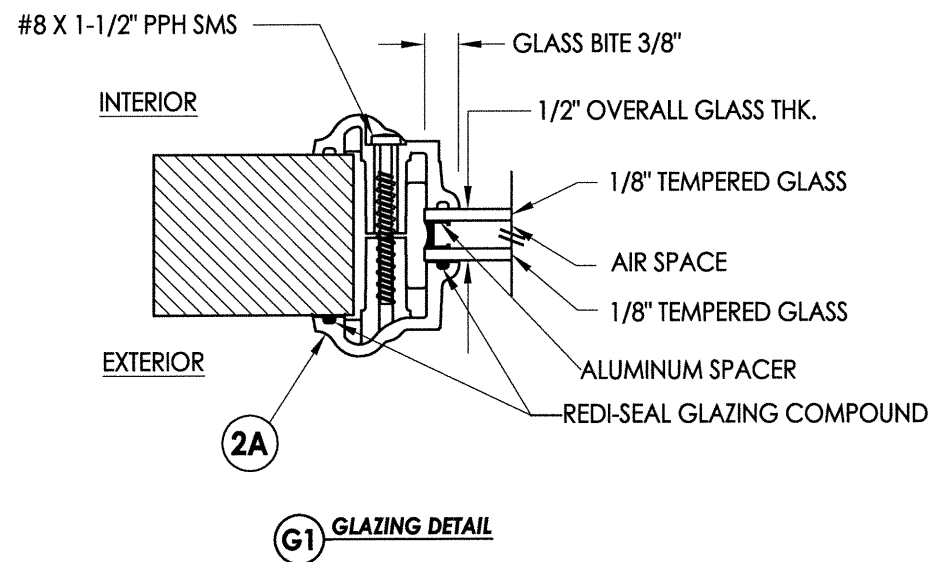
SHEET 3 OF 10

SMS

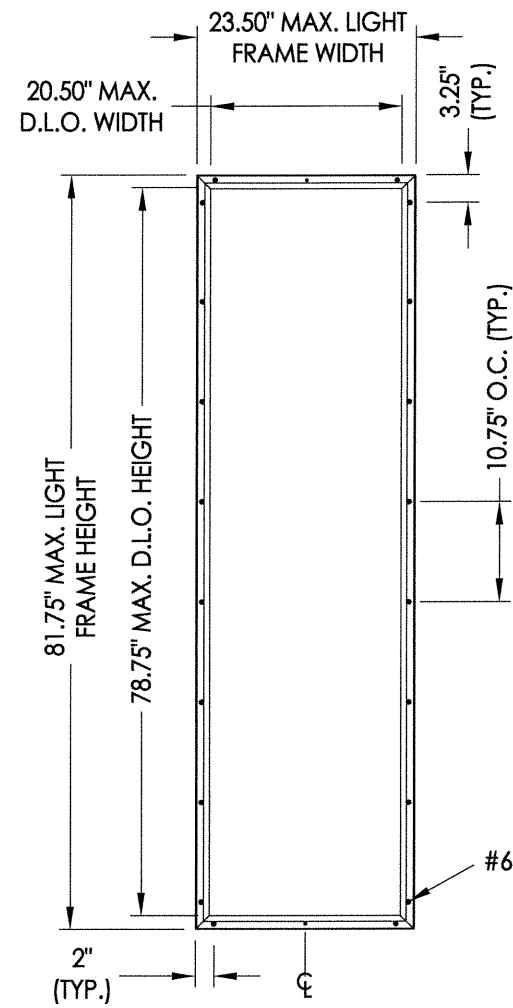
#8 X 1-1/2" PPH SMS



2A ODL LITE FRAME
HP Polypropylene

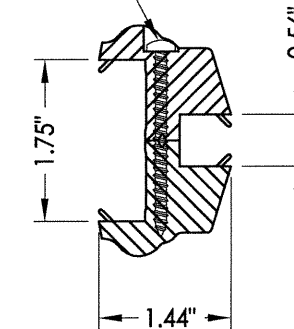


G1 GLAZING DETAIL

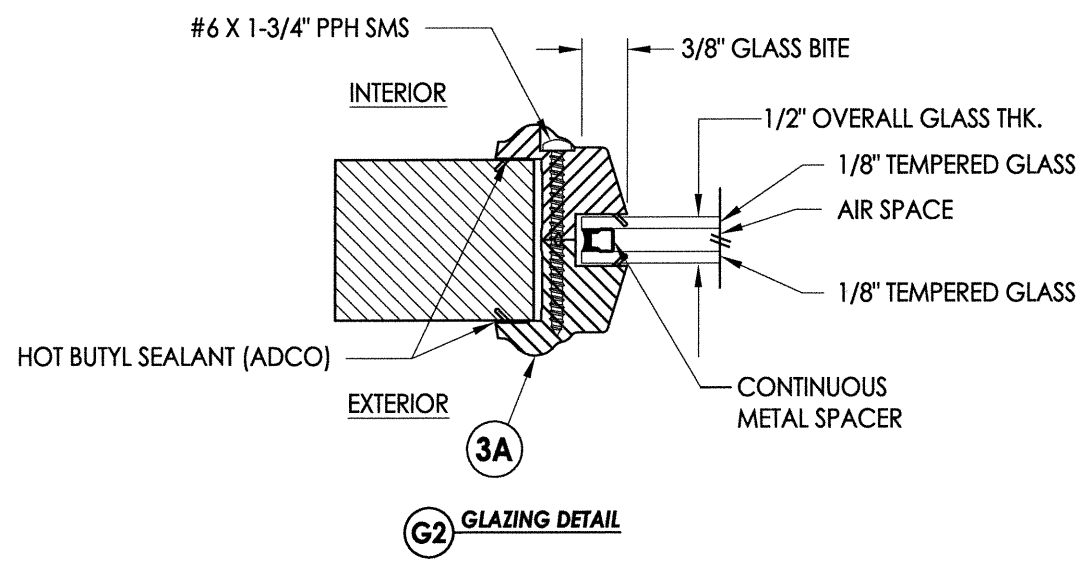


#6 X 1-3/4" PPH SMS

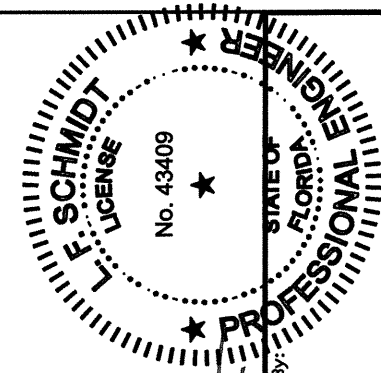
✓ #6 X 1-3/4" PPH SMS



3A RSL LITE FRAME



G2 GLAZING DETAIL



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PRODUCT: PLASTPRO
FIBERGLASS DOOR

PART OR ASSEMBLY:
LITE FRAME
GLAZING DETAILS

DATE: 10/8/14

SCALE: N.T.S.

DWG. BY: JK

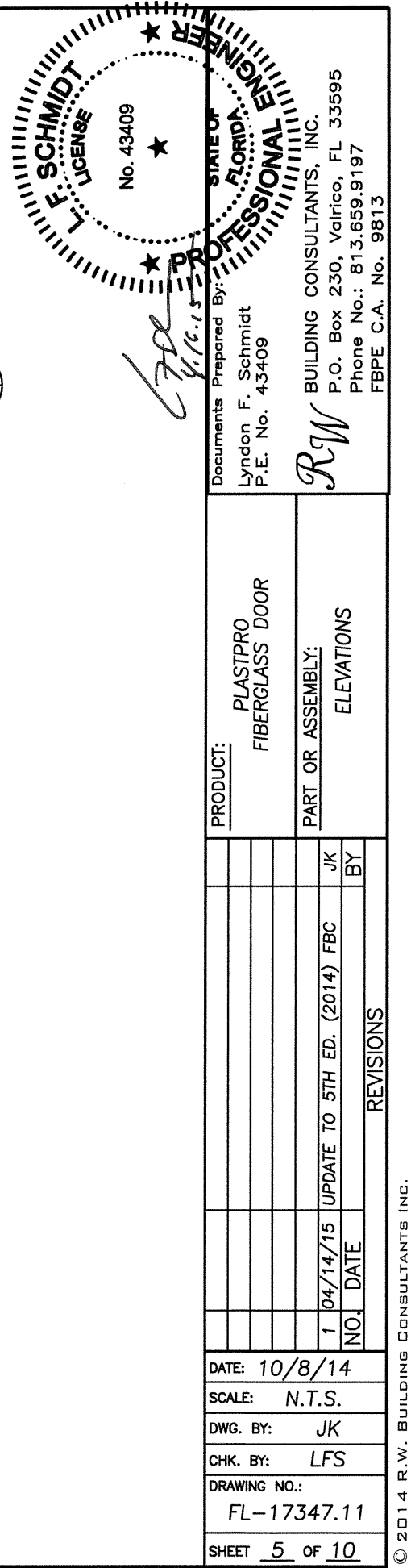
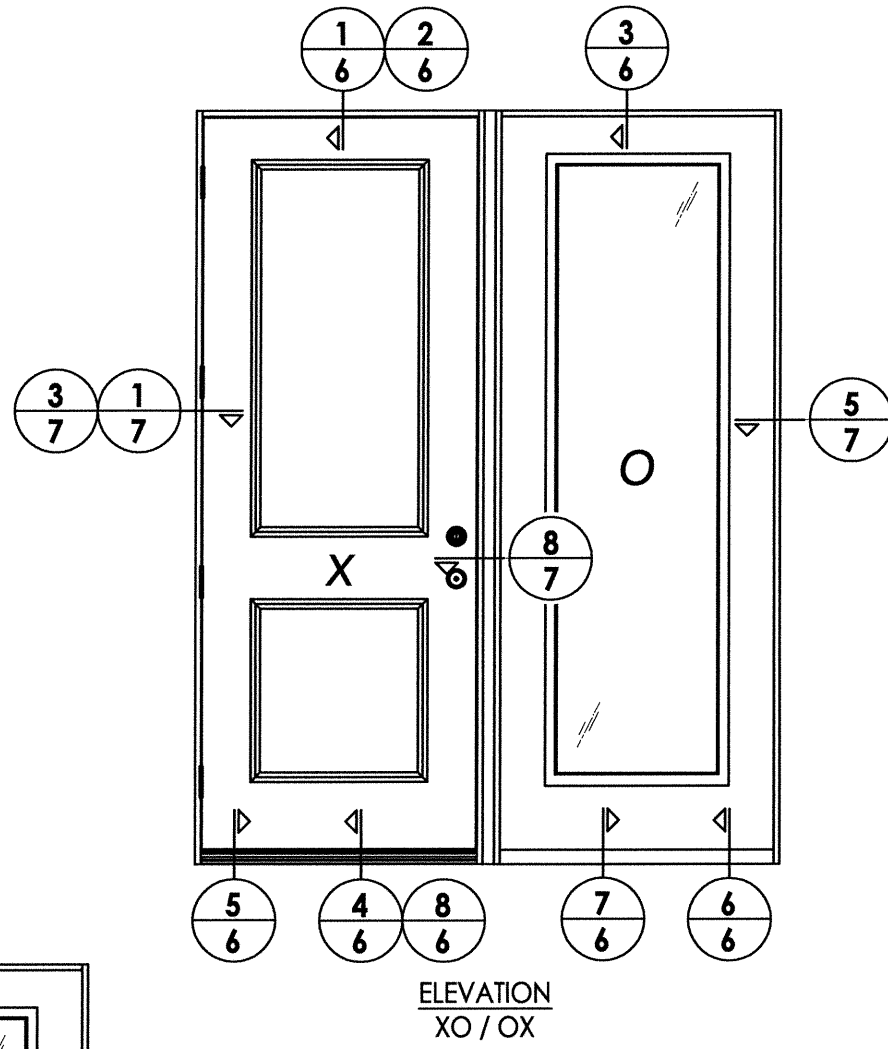
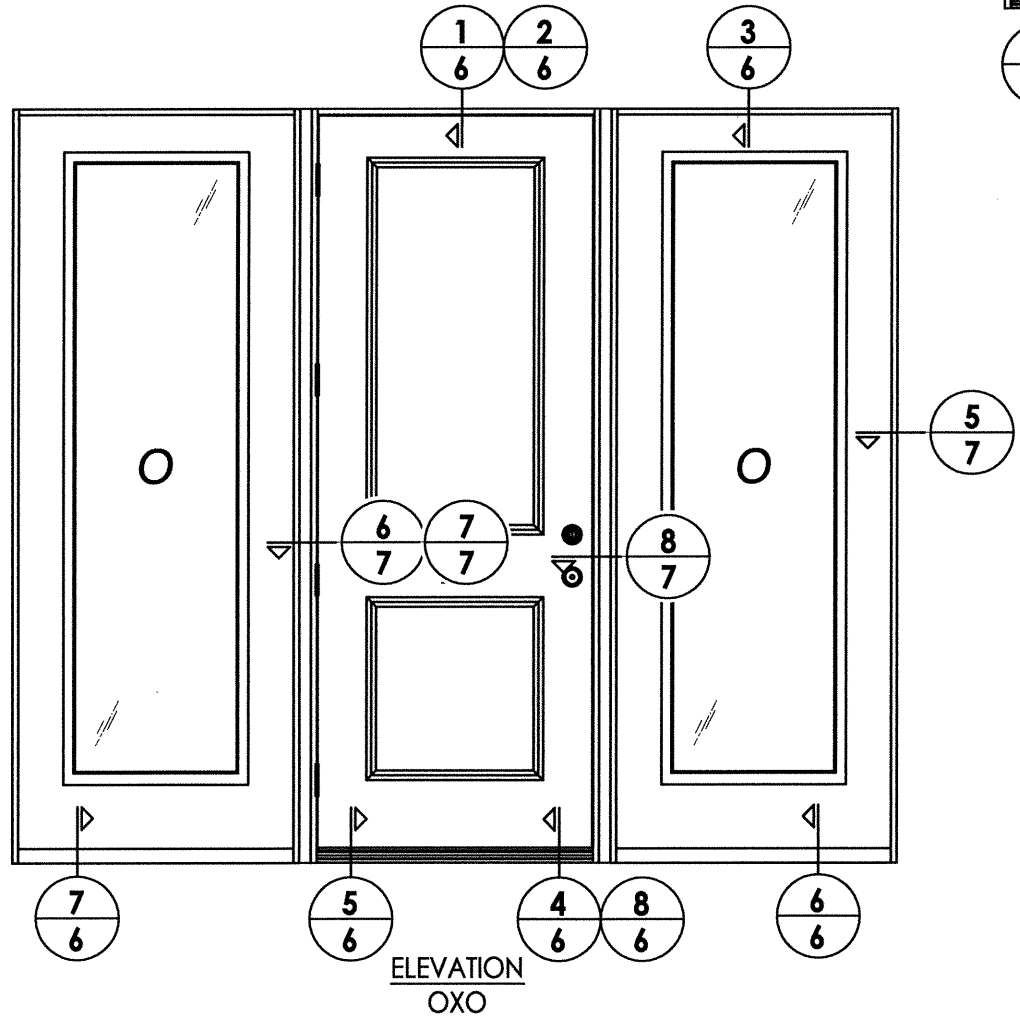
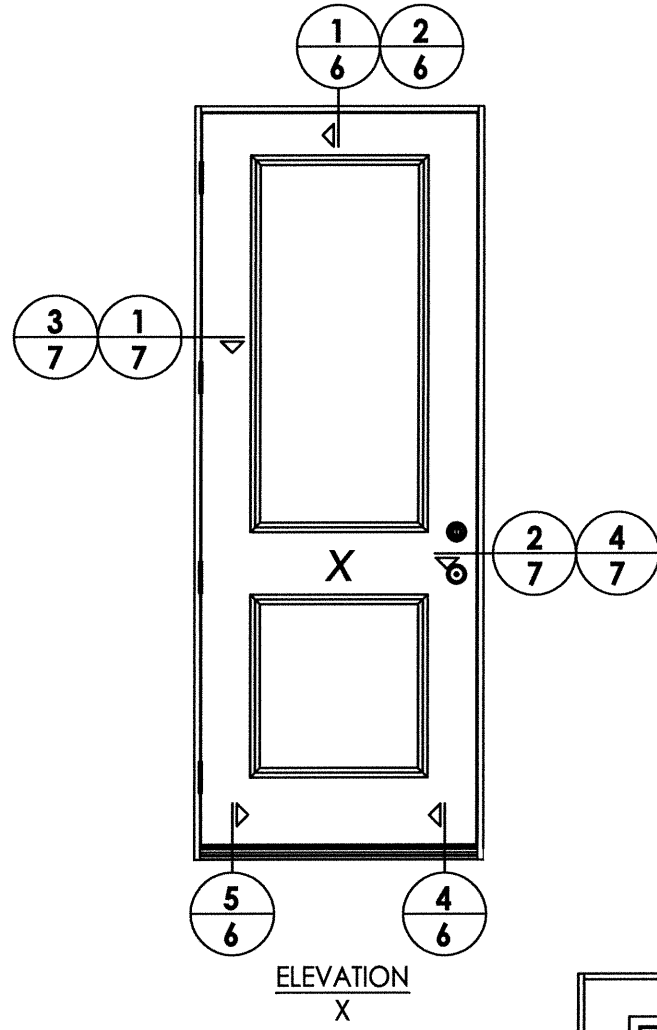
CHK. BY: LFS

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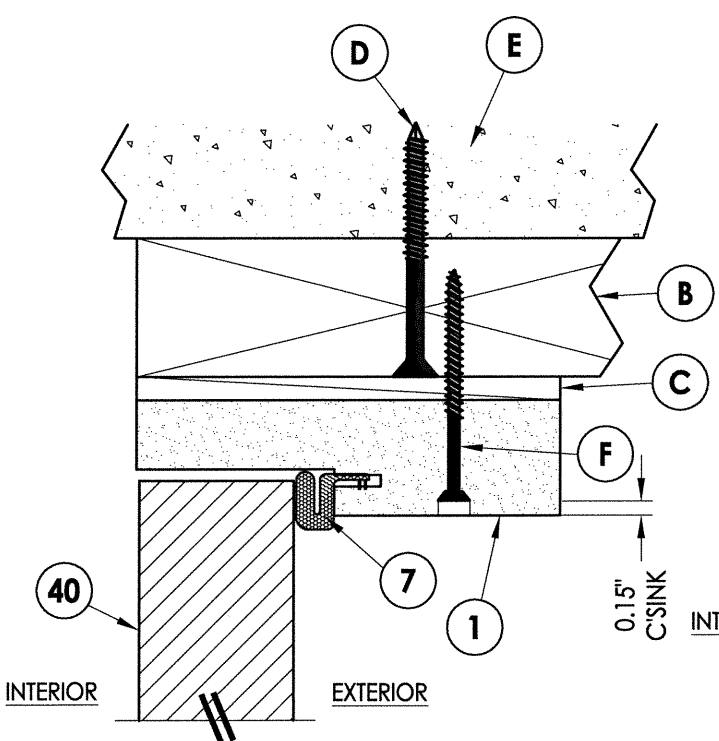
FL-17347.11

SHEET 4 OF 10

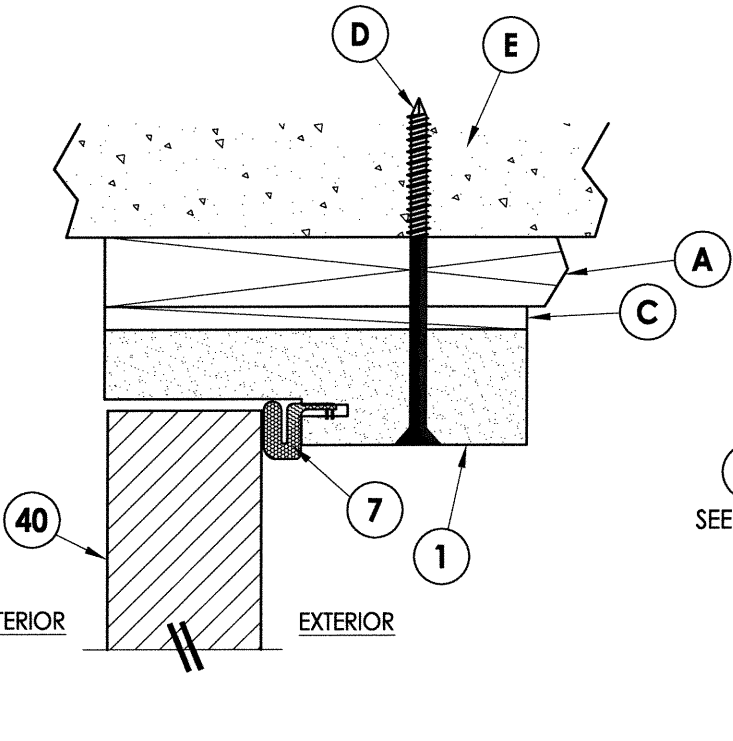
BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE C.A. No. 9813



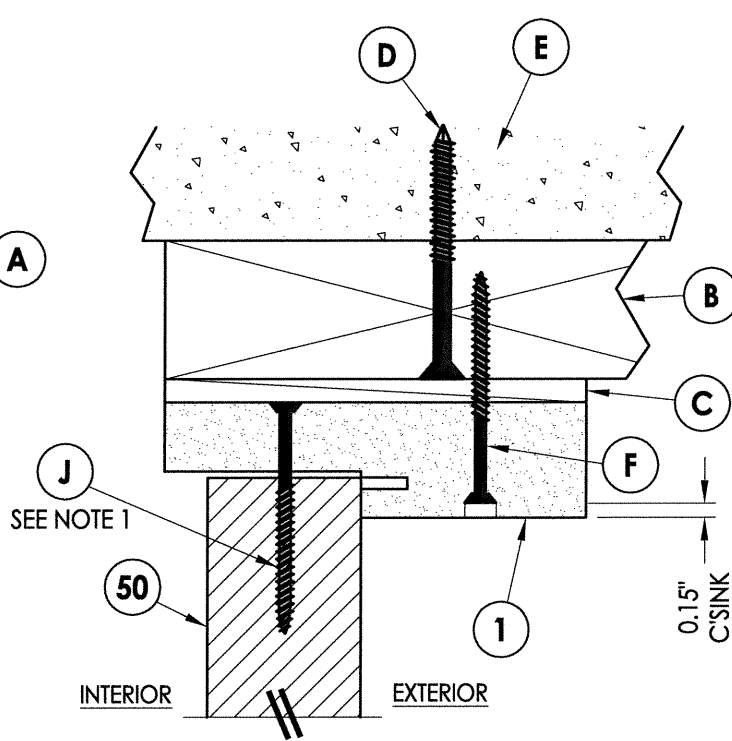
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1
6 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction

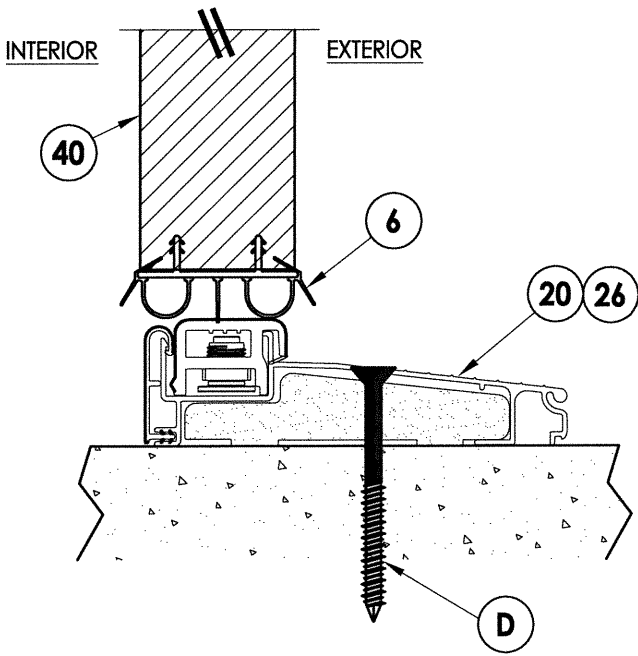


2
6 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
1X Buck Construction

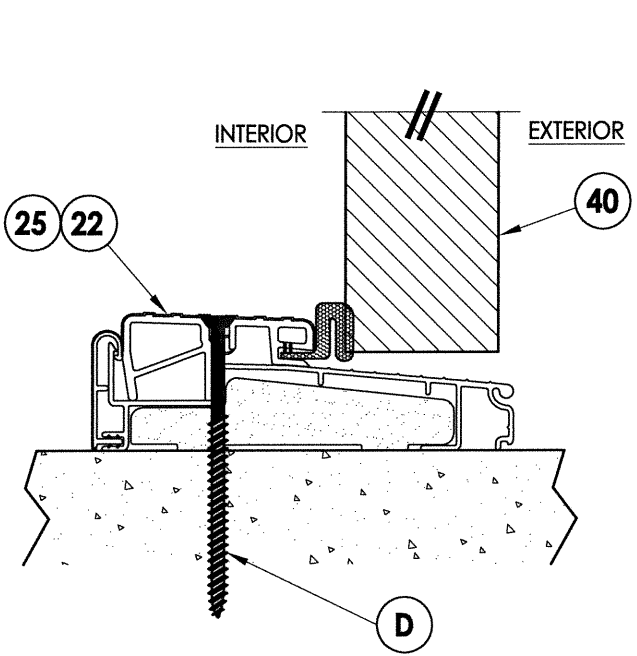


3
6 **VERTICAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction

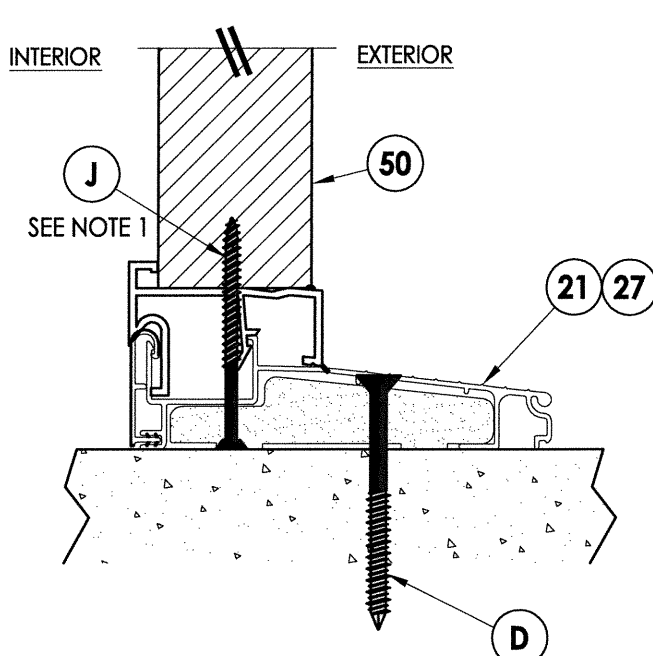
NOTE:
1. Spacing for item J @ head & sill: 6" from each end,
1 @ centerline, 2 additional at 3" & 4.5" from end
adjacent to door.



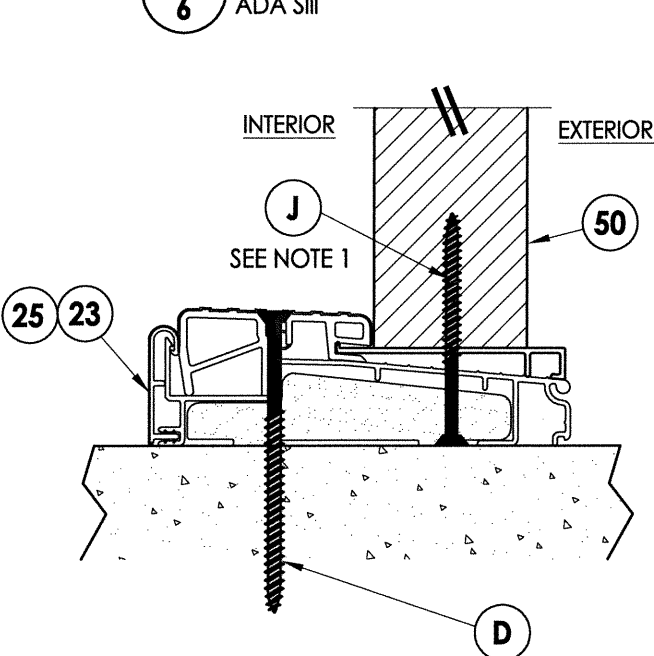
4
6 **VERTICAL CROSS SECTION**
Inswing sill



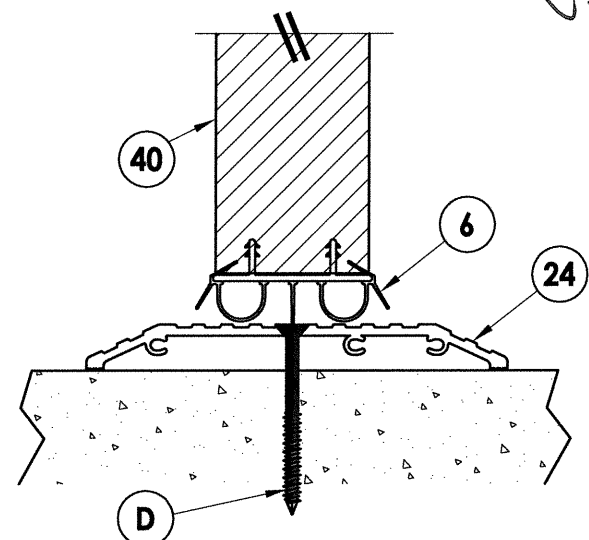
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6 **VERTICAL CROSS SECTION**
Outswing sill



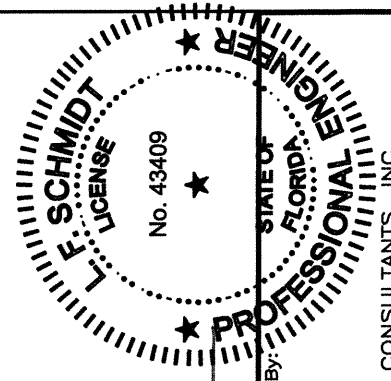
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6 **VERTICAL CROSS SECTION**
Inswing sill



7
6 **VERTICAL CROSS SECTION**
Inswing sill



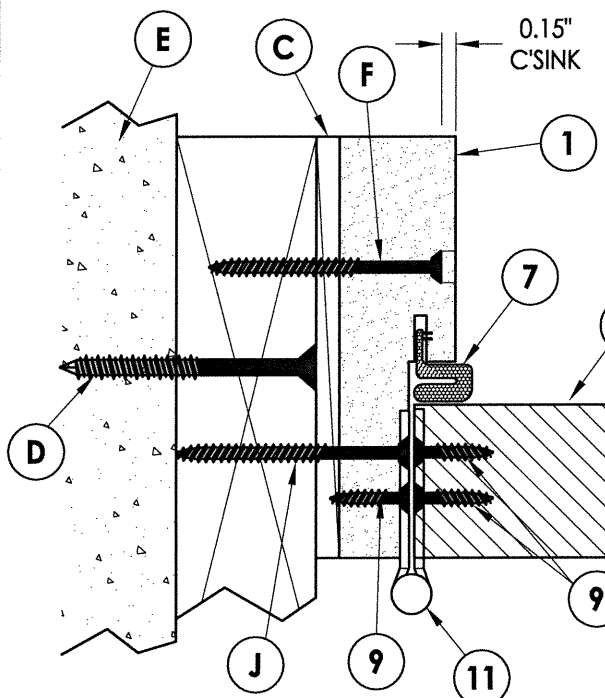
8
6 **VERTICAL CROSS SECTION**
ADA Sill



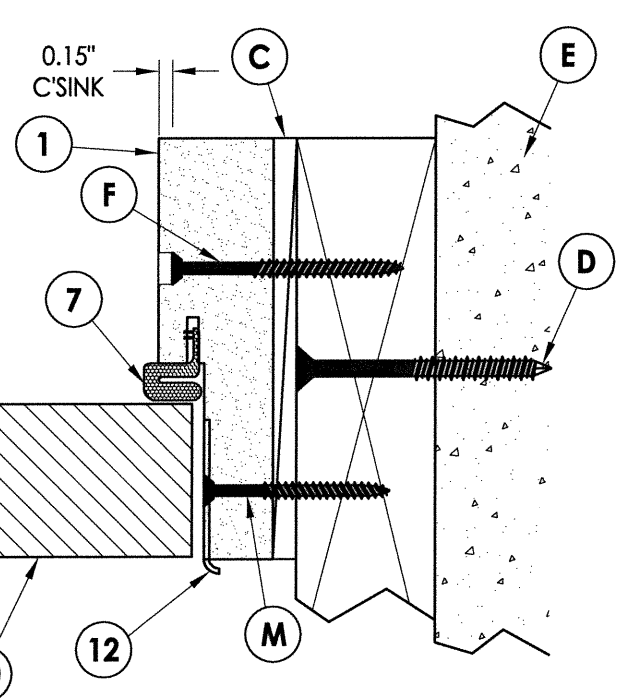
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Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
DATE:		10/8/14	JK
SCALE:		N.T.S.	BY
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-17347.11	
SHEET		6	OF 10

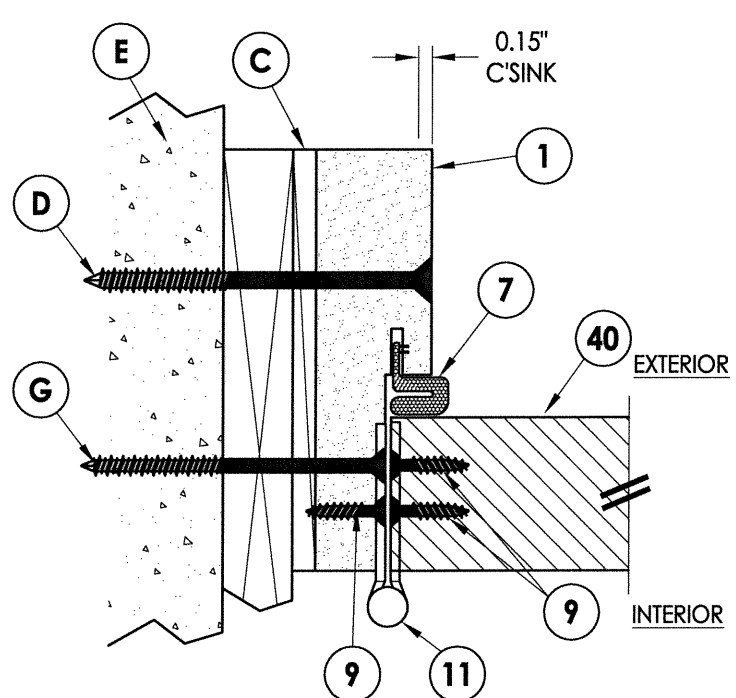
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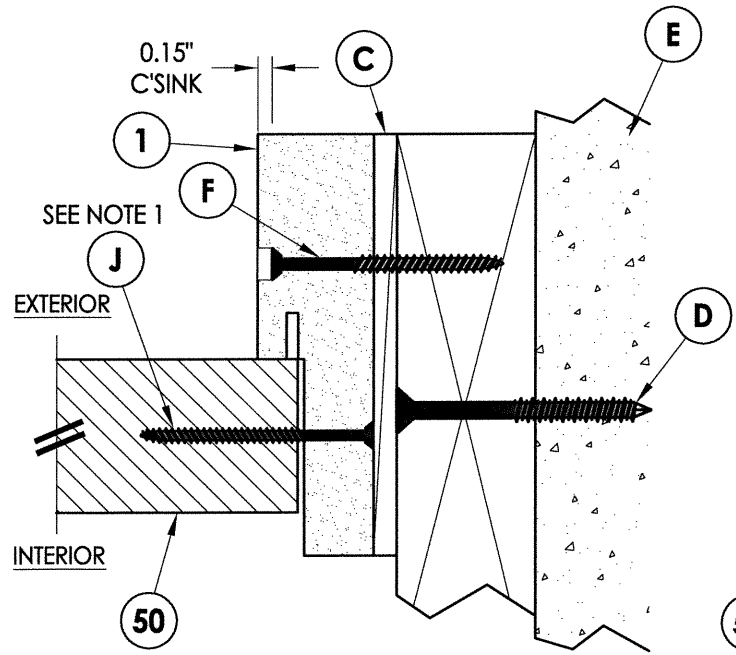
1
7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction



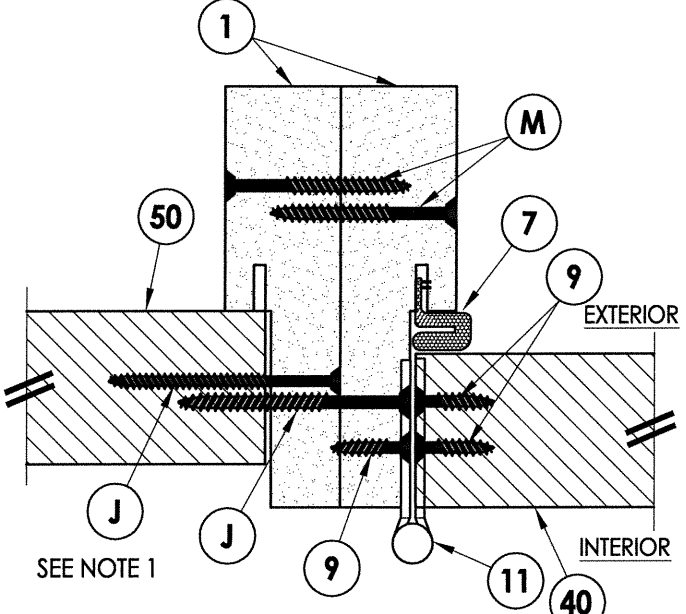
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7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction



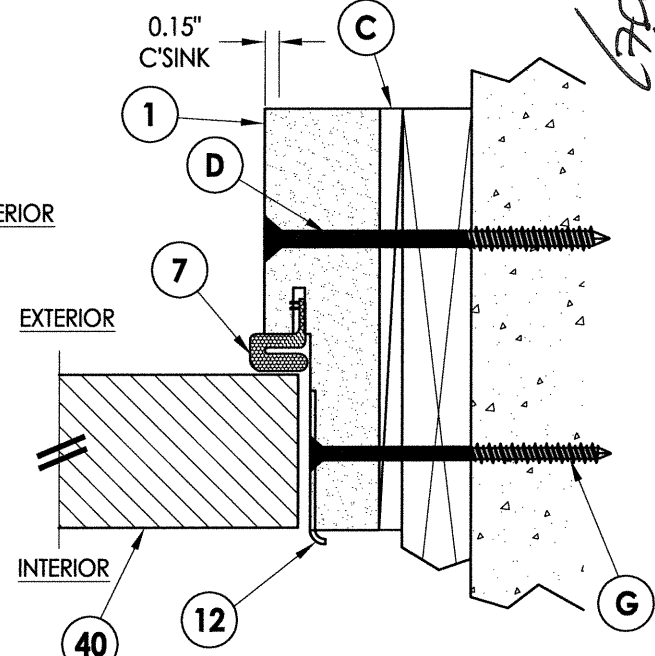
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7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
1X Buck Construction



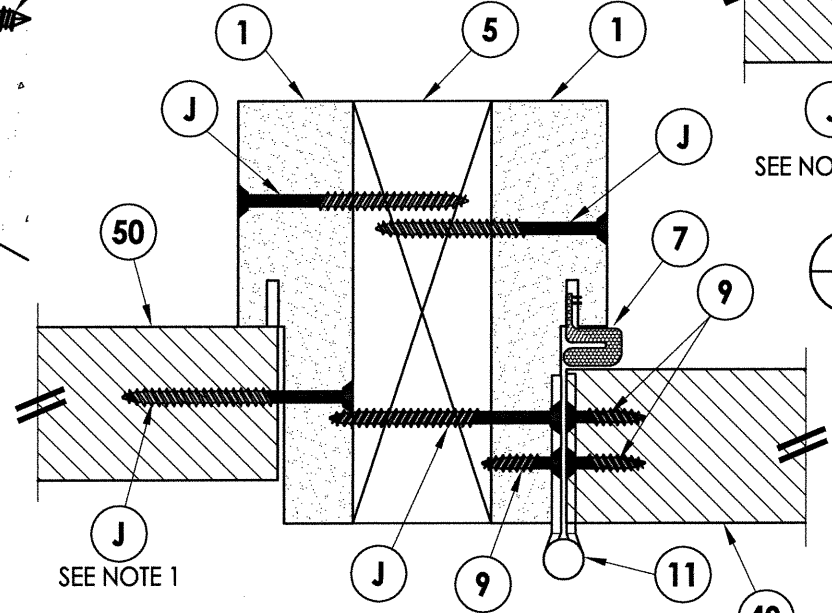
5
7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Buck Construction



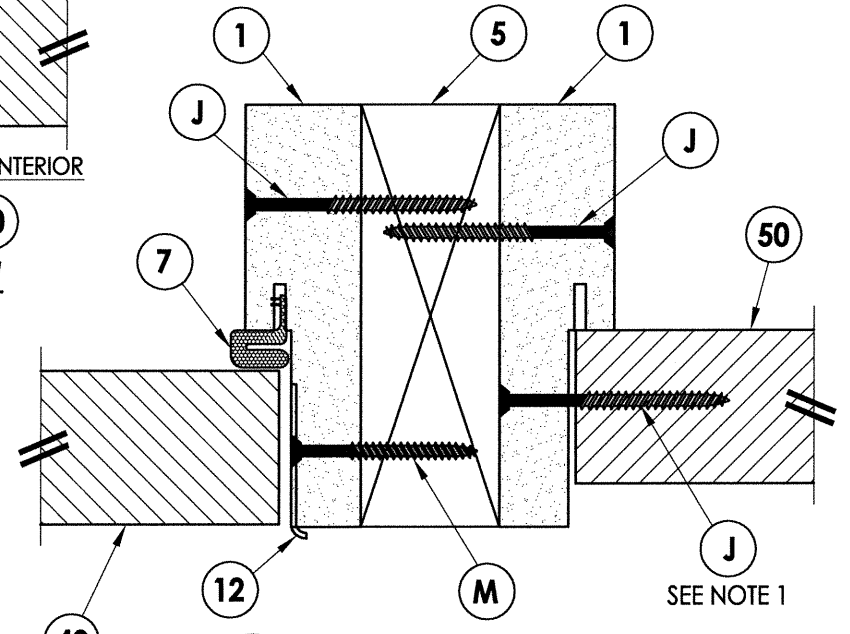
6
7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
Back to Back Jamb



4
7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
1X Buck Construction

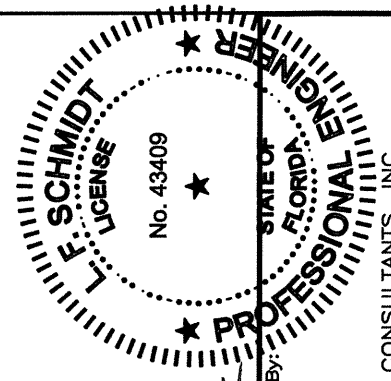


7
7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)
2X Jamb Reinforcement



8
7 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)

NOTE:
1. Spacing for item J: 6" from each end
and 5 more equally spaced along
sidelite jamb (7 total).



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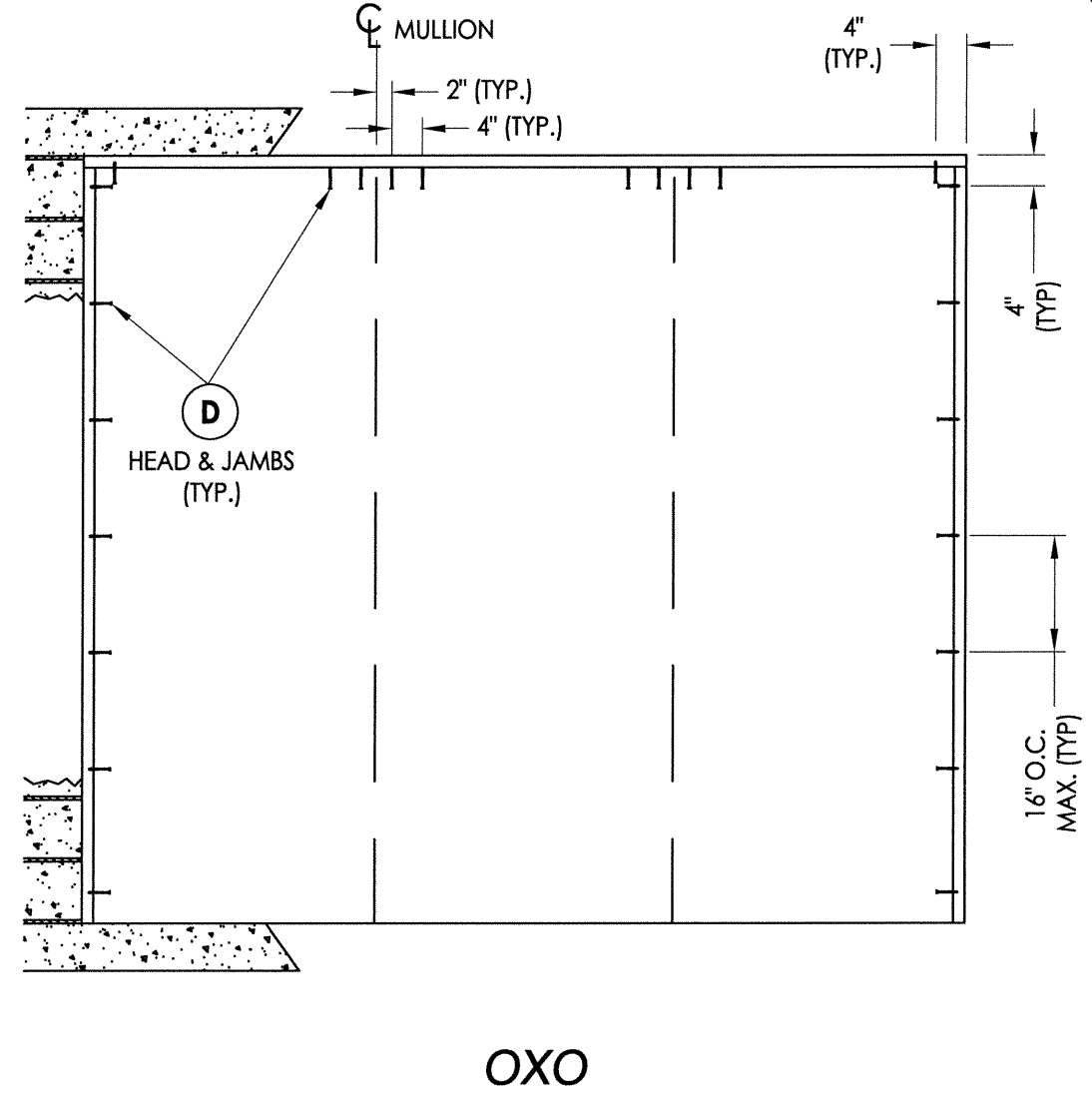
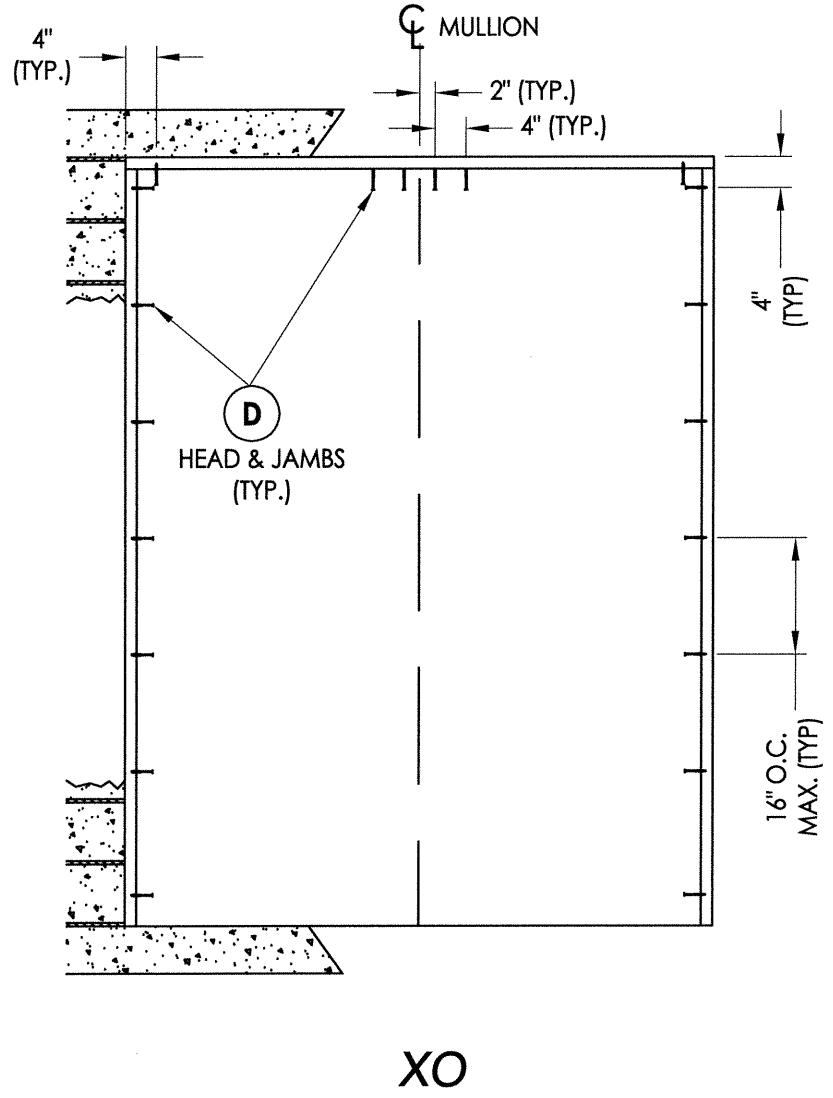
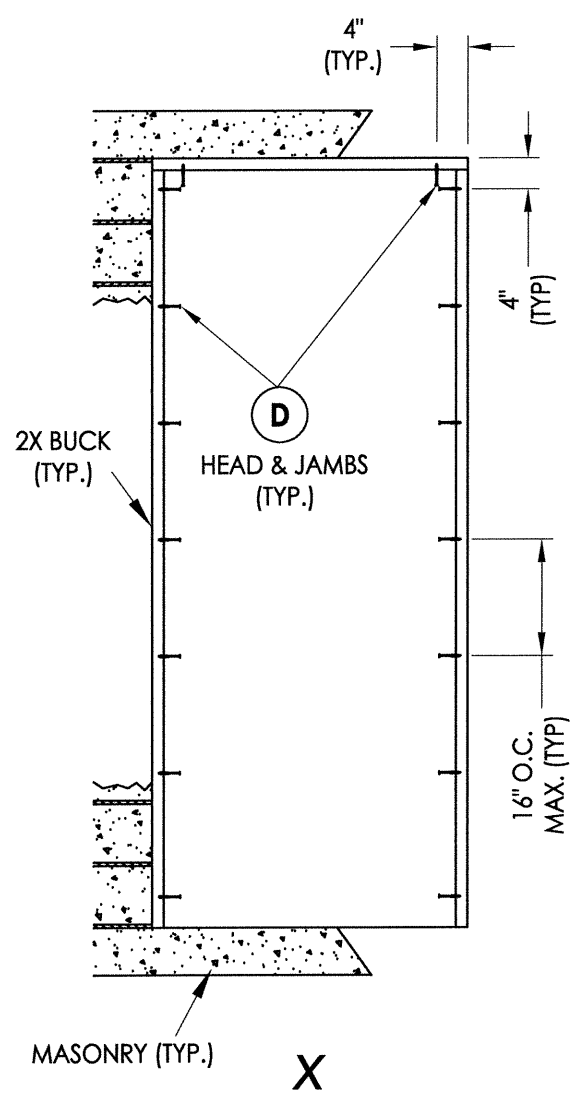
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT: PLASTPRO
FIBERGLASS DOOR

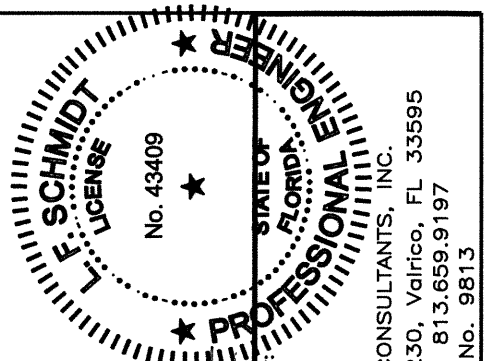
PART OR ASSEMBLY:
HORIZONTAL CROSS
SECTIONS

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

DATE: 10/8/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17347.11
SHEET 7 OF 10



2X BUCK ANCHORING

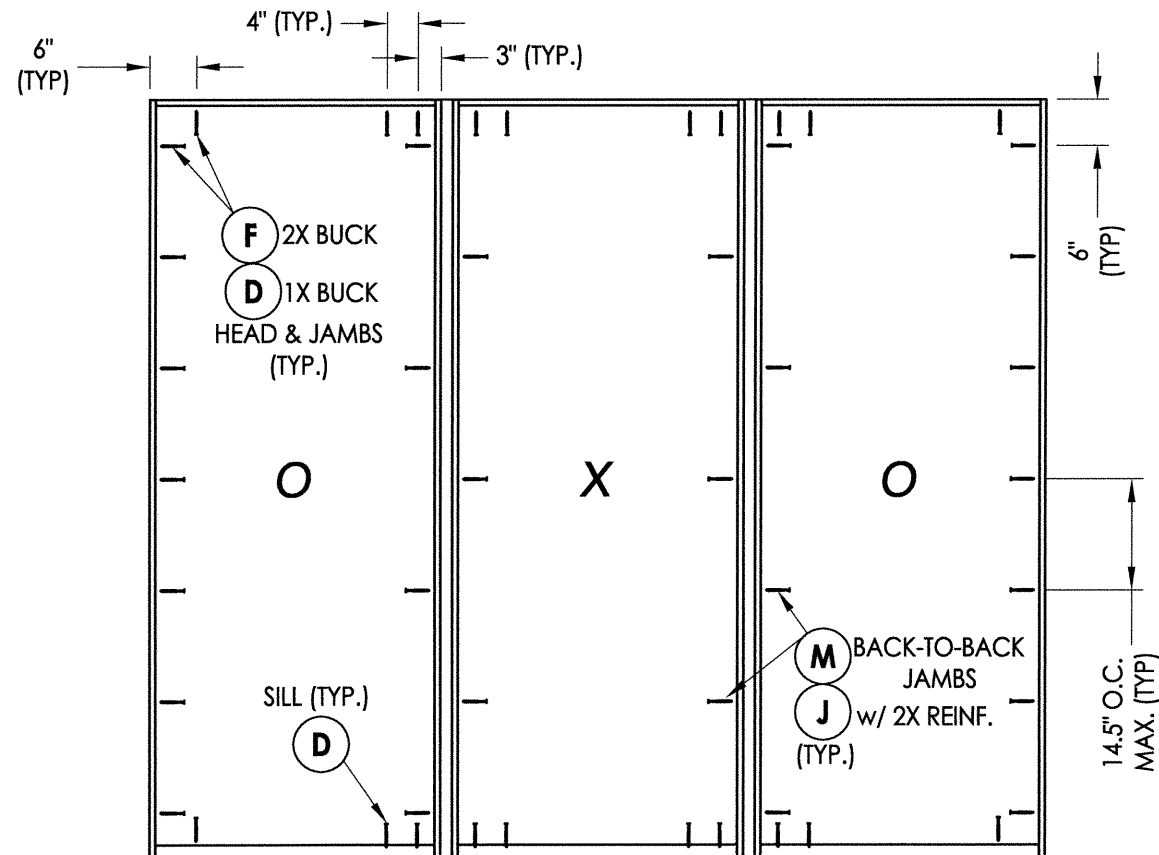
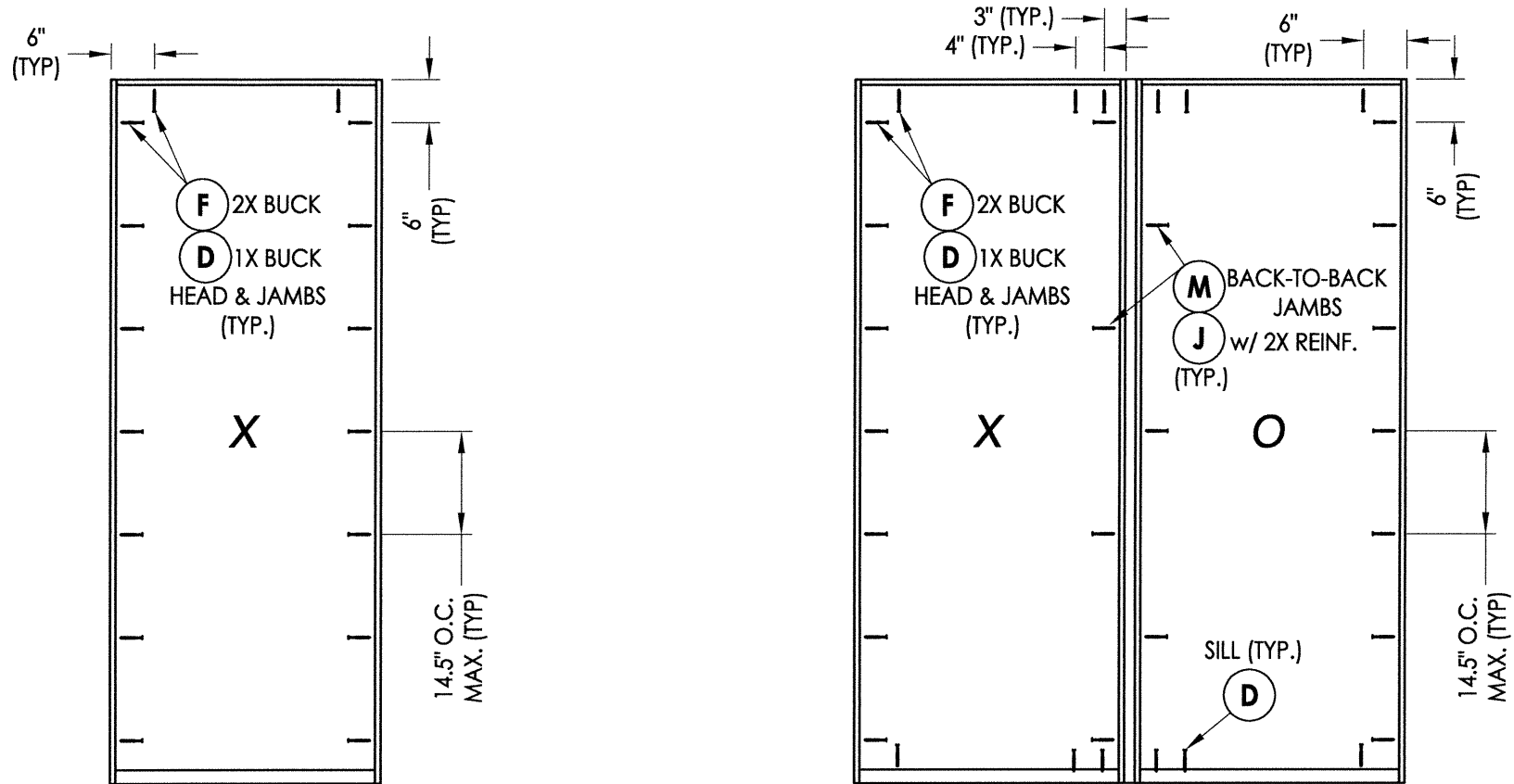


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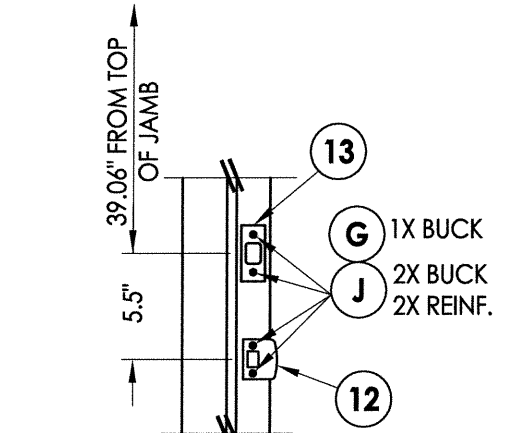
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		BUCK ANCHORING	
DATE:		10/8/14	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-17347.11	
SHEET		8	OF 10

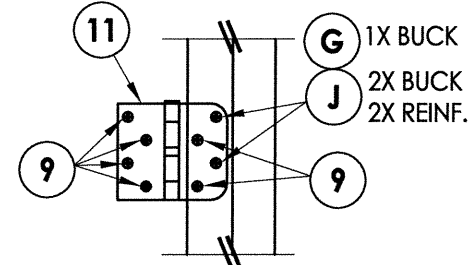
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1	04/14/15	UPDATE TO 5TH ED. (2014) FBC



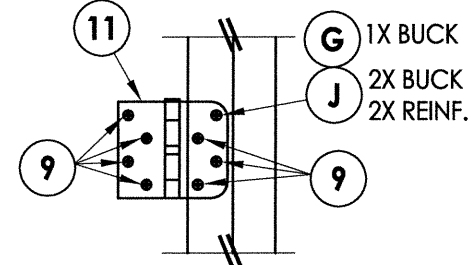
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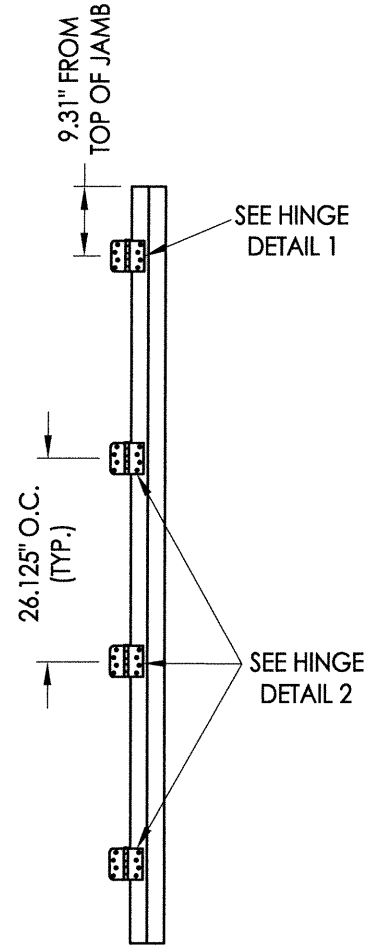
LATCH AND DEADBOLT DETAILS



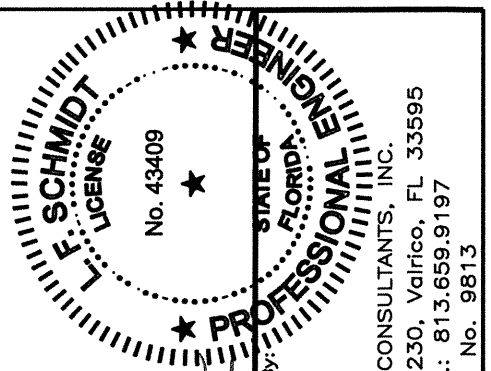
HINGE DETAIL 1



HINGE DETAIL 2



HINGE JAMB



Documents Prepared By:
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Phone No.: 813.659.9197
FBPE C.A. No. 9813

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-17347.11	
SHEET		9 OF 10	

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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/WOOD
26	INSWING THRESHOLD	ALUM/WOOD
27	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/WOOD
40	DOOR PANEL	-
50	SIDELITE PANEL	-

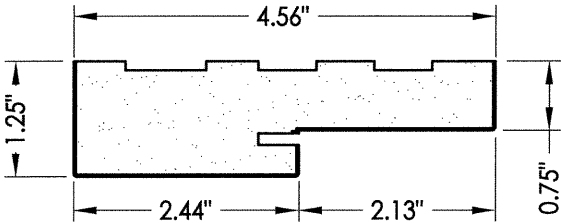
CONCRETE ANCHOR NOTES:

- 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:

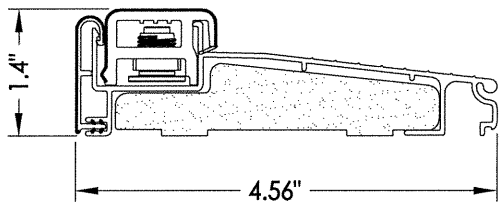
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

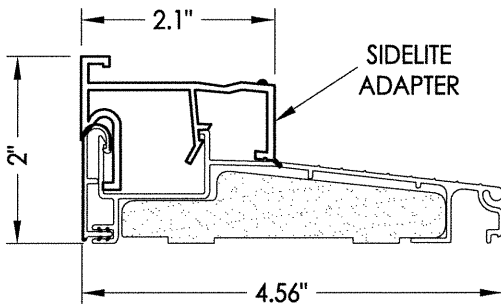
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



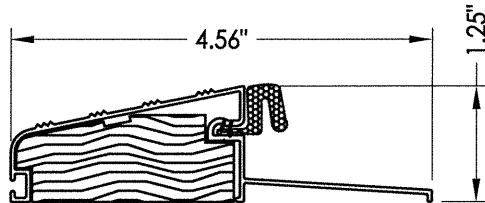
1 POLY FIBER JAMB



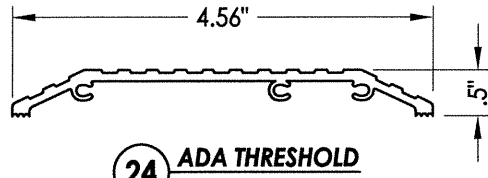
20 INSWING THRESHOLD
Endura (Z-Series)



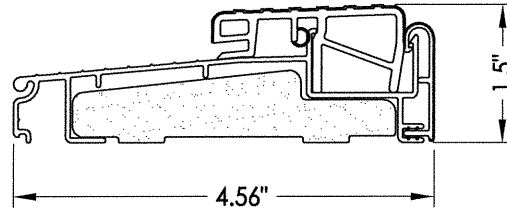
21 INSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



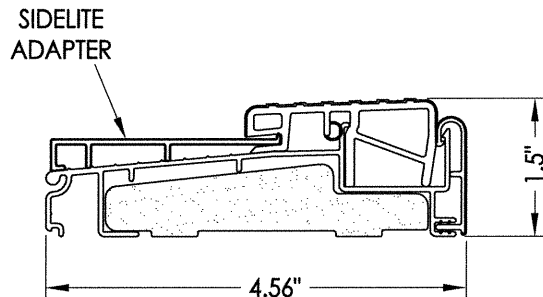
25 OUTSWING THRESHOLD
DLP



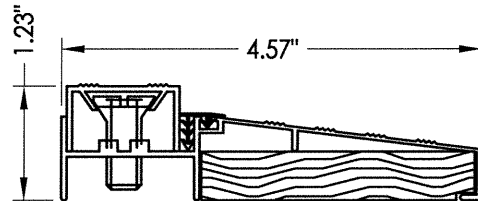
24 ADA THRESHOLD
DLP



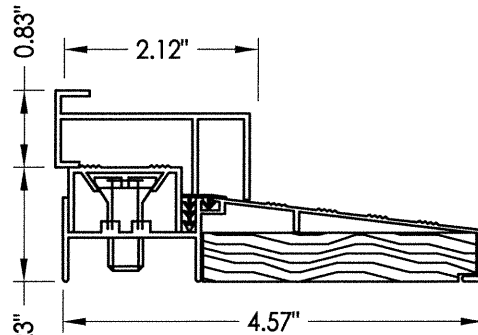
22 OUTSWING THRESHOLD
Endura (Z-Series)



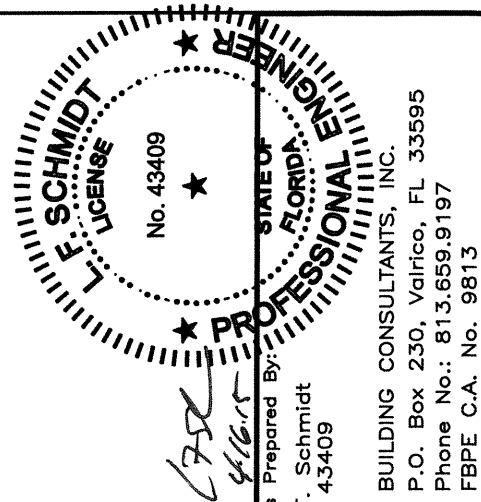
23 OUTSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



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

DATE: 10/8/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17347.11
SHEET 10 OF 10