

plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

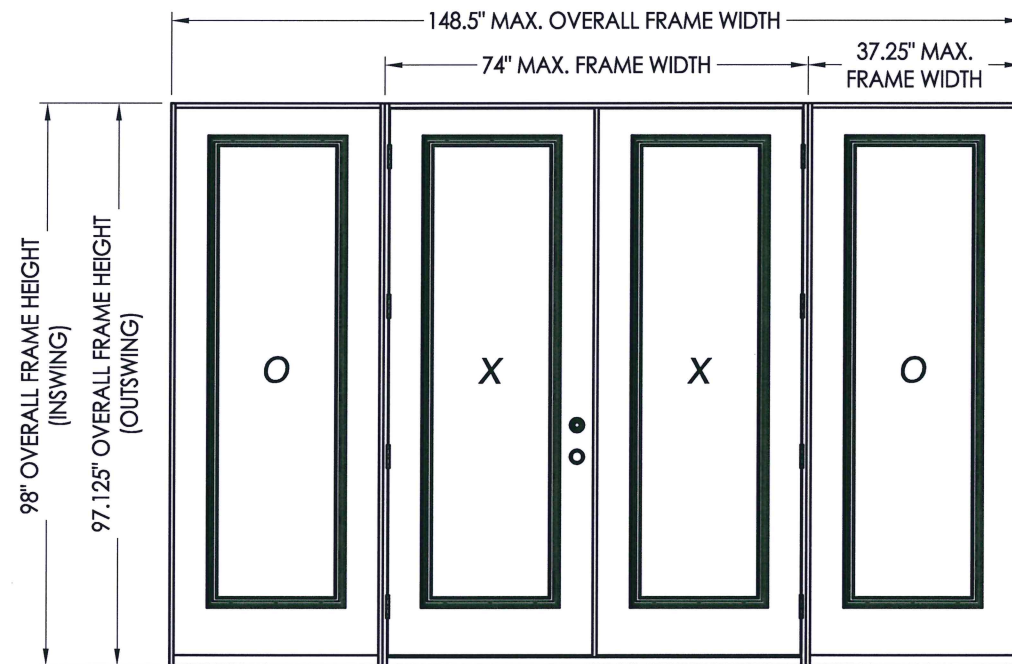
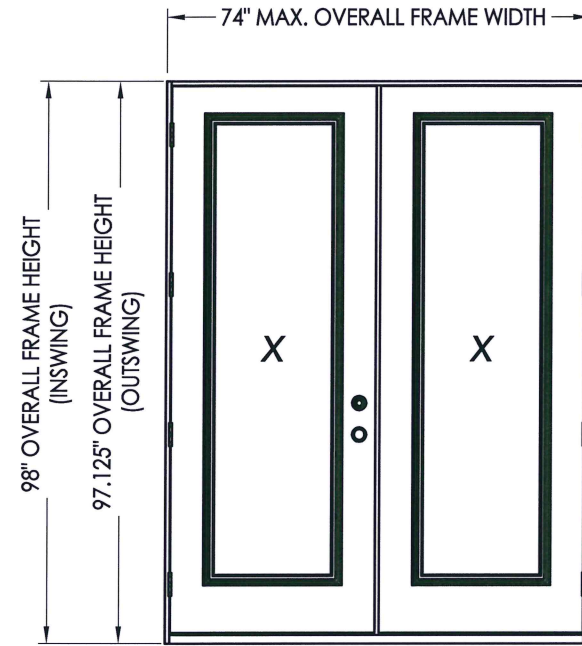
**GLAZED FIBERGLASS DOORS
DOUBLES
w/ or w/o SIDELITES
INSWING / OUTSWING
"IMPACT"**

GENERAL NOTES

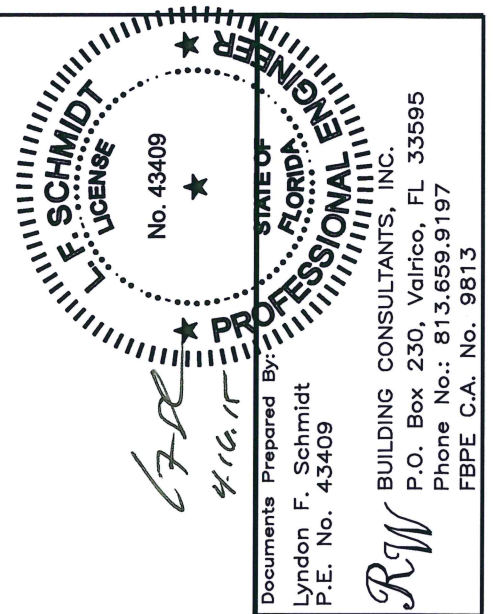
1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 includes 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.

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	Vertical cross sections
6	Horizontal cross sections
7	Buck anchoring
8	Frame anchoring & hardware details
9	Bill of materials and components



CONFIG.	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POS.	NEG.	POS.	NEG.
XX	74.0" x 98.0"	+45.0	-50.0	+45.0	-45.0
OXXO	148.5" x 98.0"				



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

**PLASTPRO
FIBERGLASS DOOR**

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

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-17347.8
SHEET 1 OF 9

35.75" MAX. PANEL WIDTH

95.25" MAX. PANEL HEIGHT

54.19"

5.5"

SEE DOOR HARDWARE

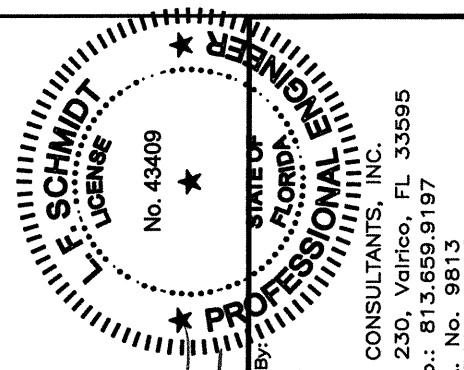
1
2

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

40 PLASTPRO DOOR PANEL

50 PLASTPRO SIDELITE PANEL

2 **VERTICAL CROSS SECTION**



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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:

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

DATE: 10/8/14

SCALE: N.T.S.

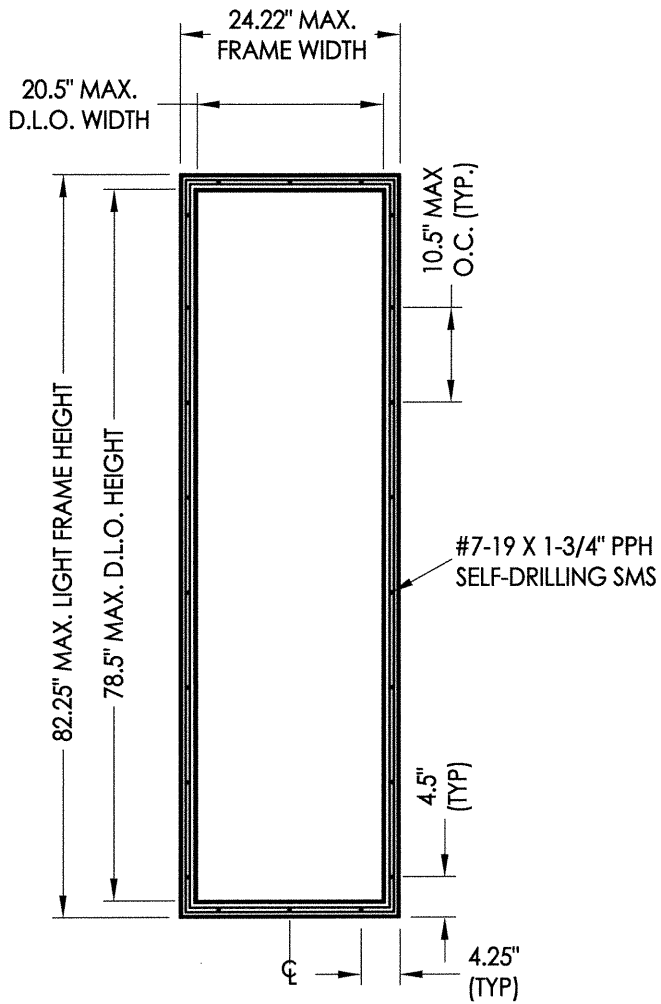
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CHK. BY: LFS

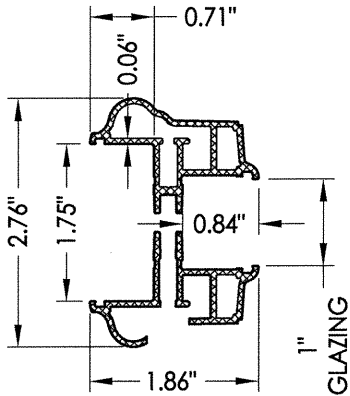
DRAWING NO.:

FL-17347.8

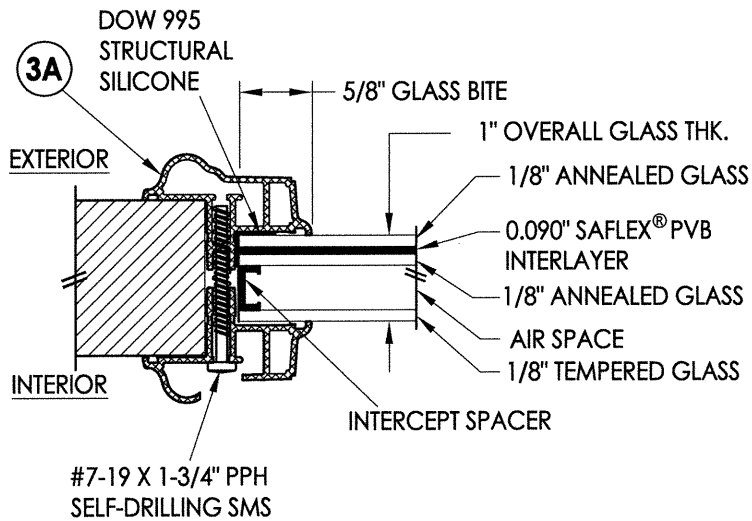
SHEET 2 OF 9



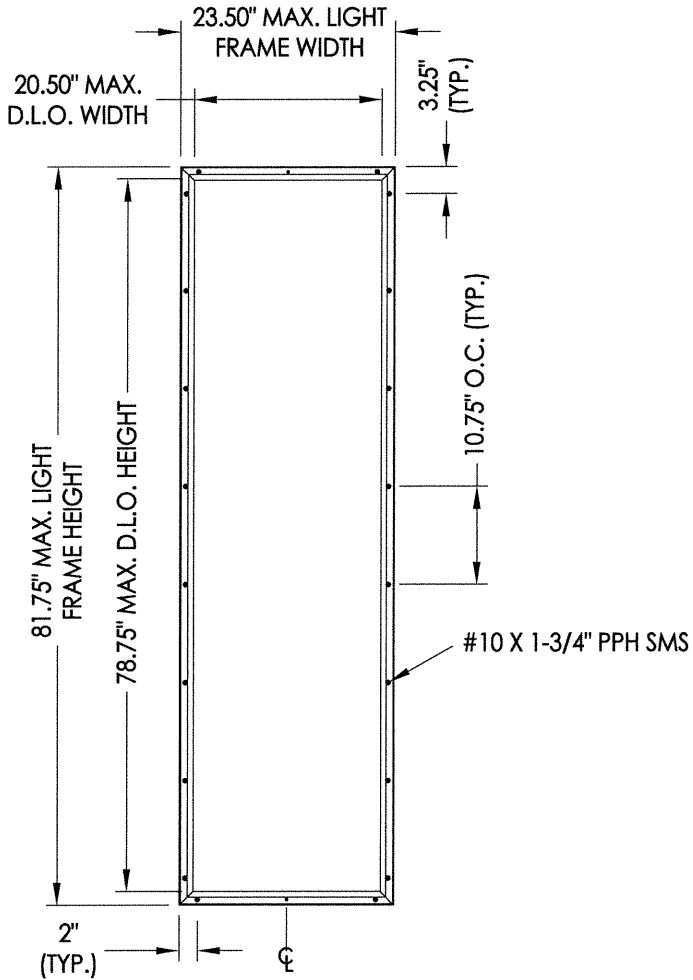
ODL LITE FRAME



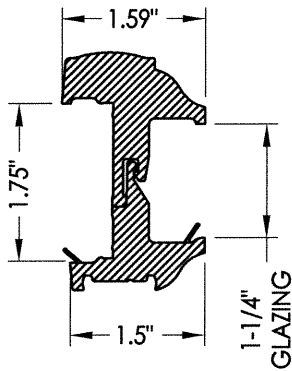
3A ODL LITE FRAME
Aluminum



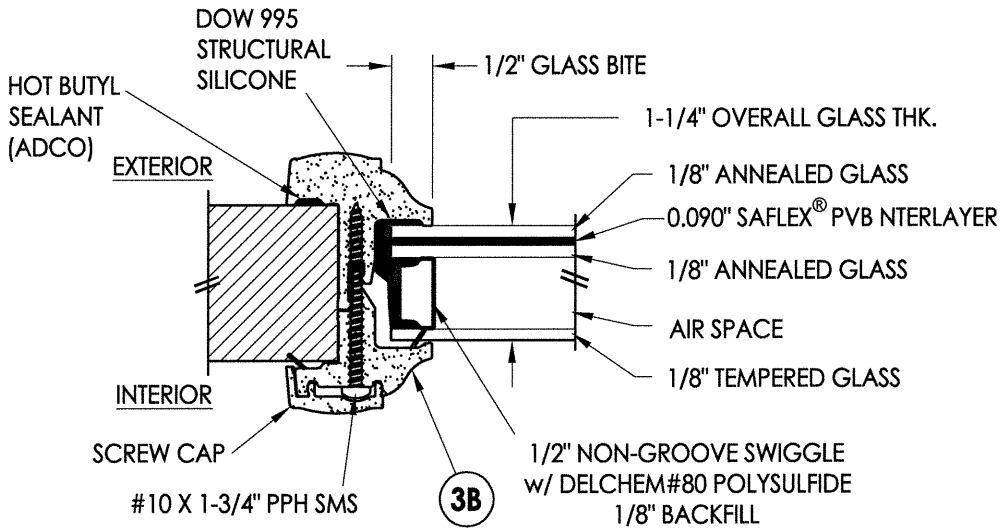
G1 GLAZING DETAIL
ODL Lite Frame



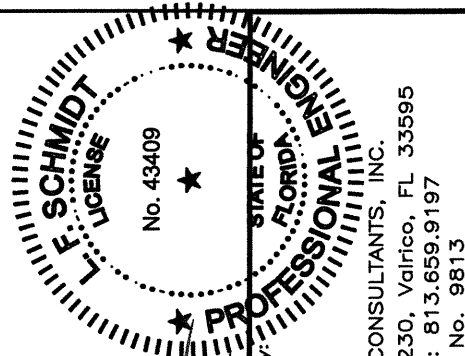
RSL LITE FRAME



3B RSL LITE FRAME
PVC



G2 GLAZING DETAIL
RSL Lite Frame



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PRODUCT: PLASTPRO
FIBERGLASS DOOR

PART OR ASSEMBLY:
LITE FRAME
GLAZING DETAILS

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

DATE: 10/8/14

SCALE: N.T.S.

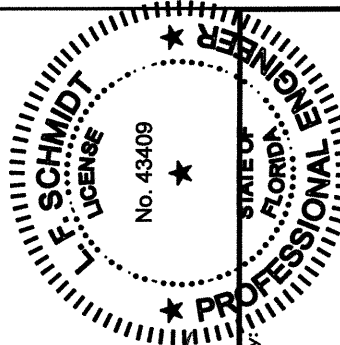
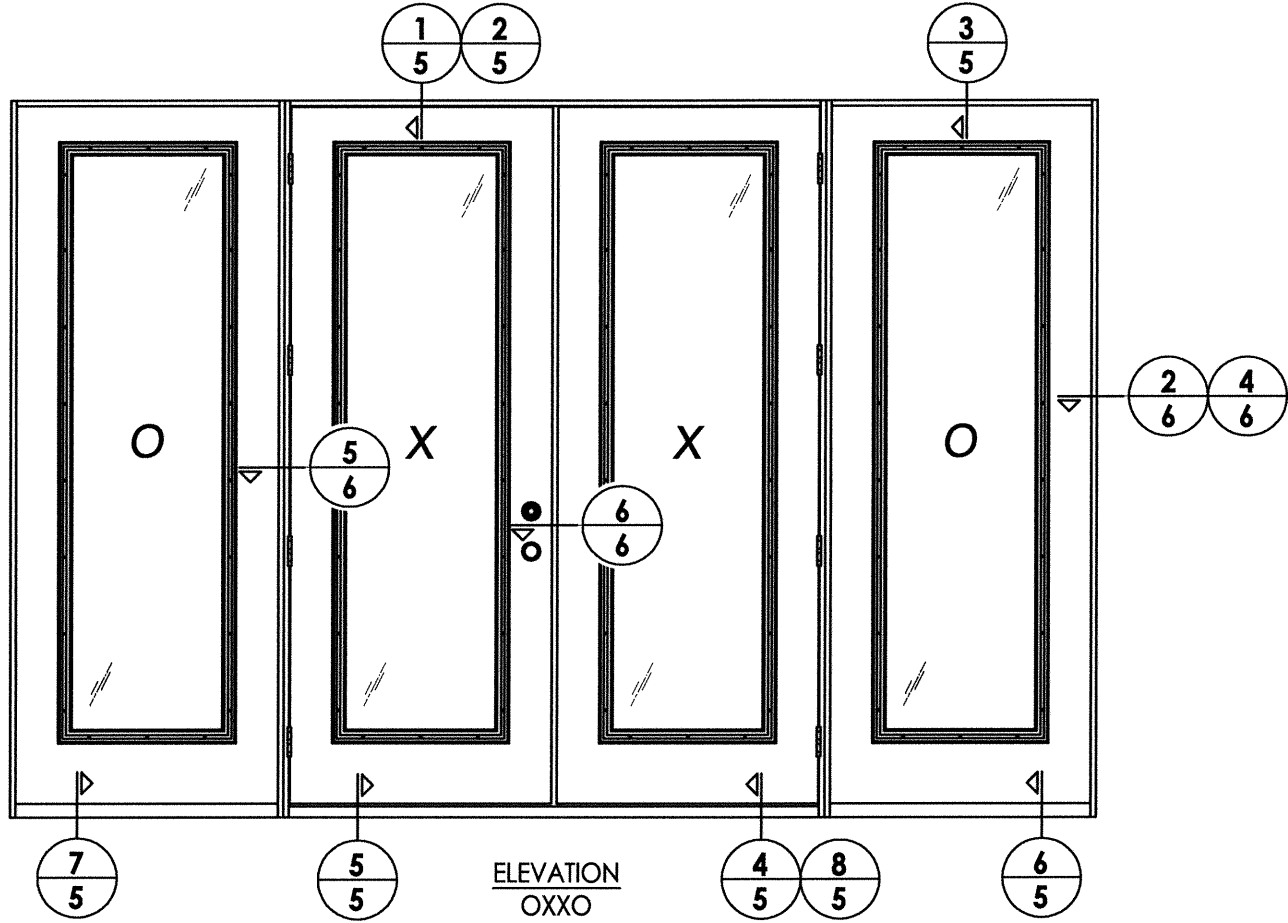
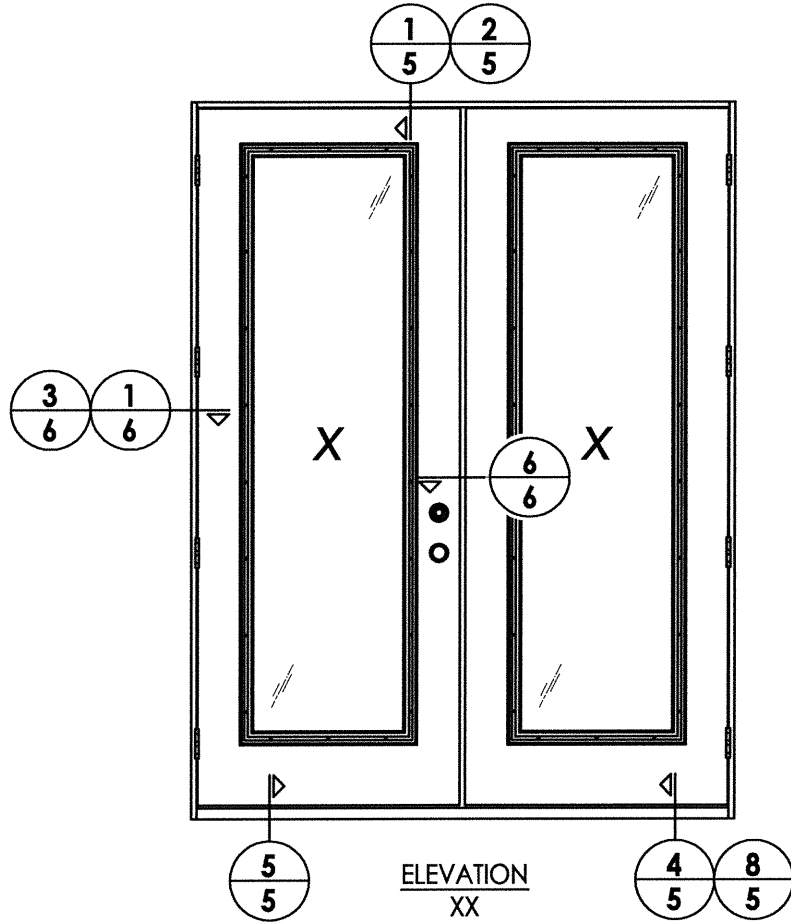
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-17347.8

SHEET 3 OF 9



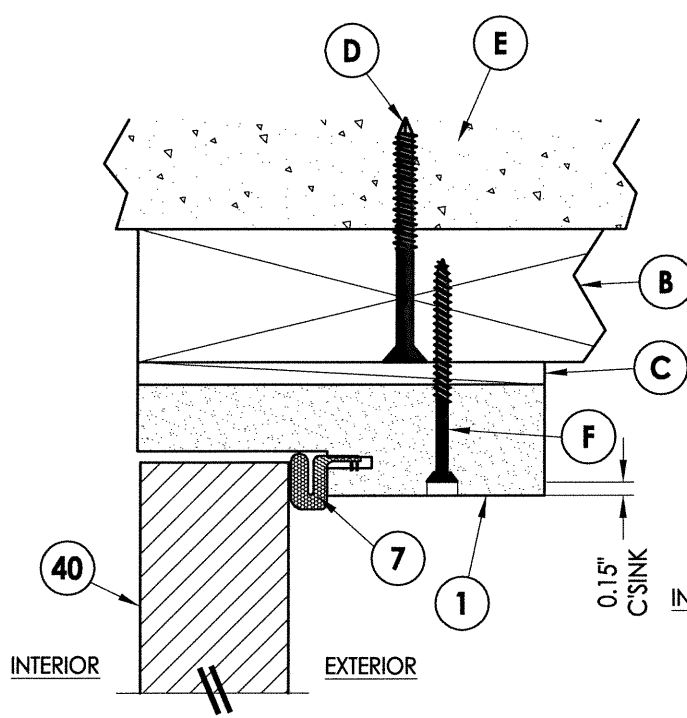
LFS
4.16.15

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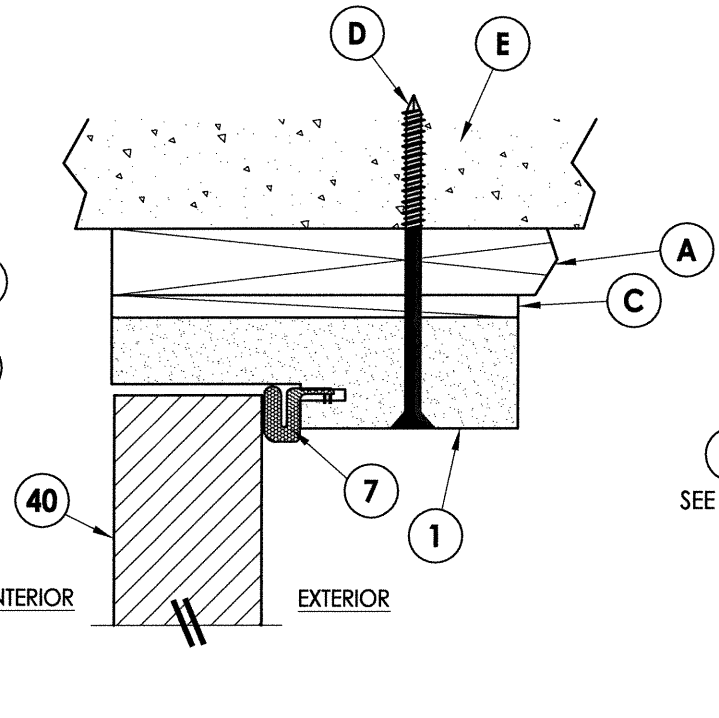
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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PRODUCT:		PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		ELEVATIONS	
1	04/14/15	UPDATE TO 5TH ED. (2014)	FBC
			JK
NO.	DATE		BY
REVISIONS			
DATE: 10/8/14			
SCALE: N.T.S.			
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.: FL-17347.8			
SHEET 4 OF 9			

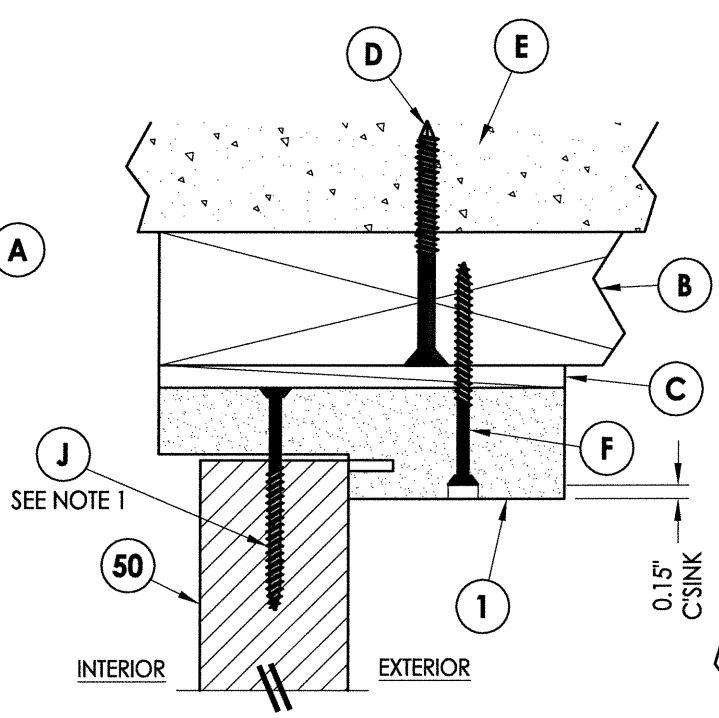
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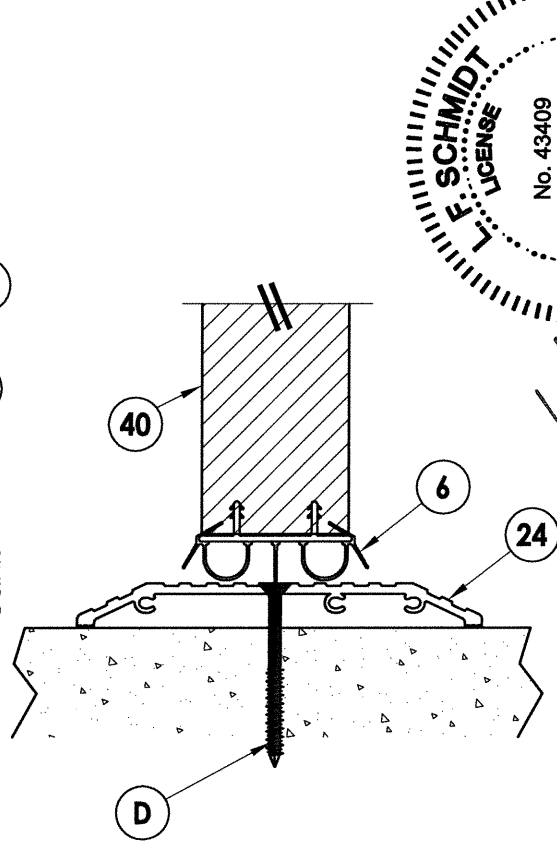
1 **VERTICAL CROSS SECTION**
5 Inswing shown (Outswing similar)
2X Buck Construction



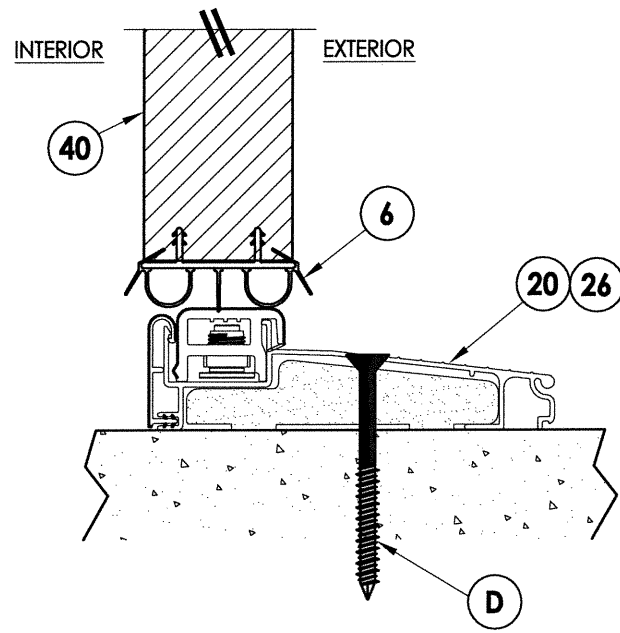
2 **VERTICAL CROSS SECTION**
5 Inswing shown (Outswing similar)
1X Buck Construction



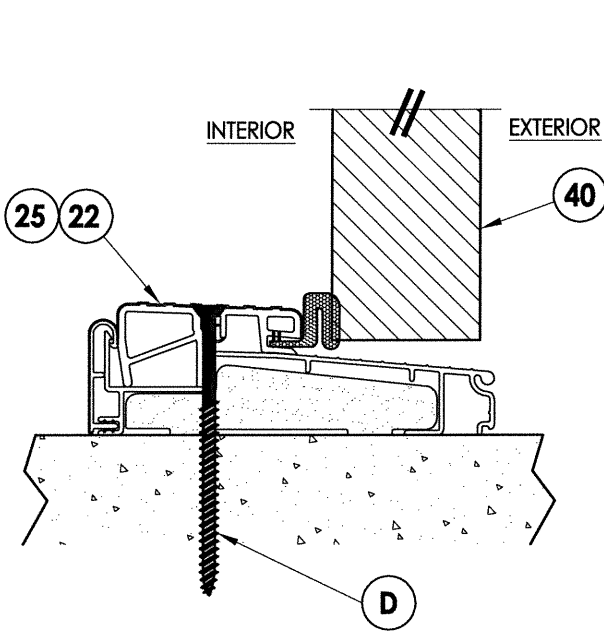
3 **VERTICAL CROSS SECTION**
5 Inswing shown (Outswing similar)
2X Buck Construction



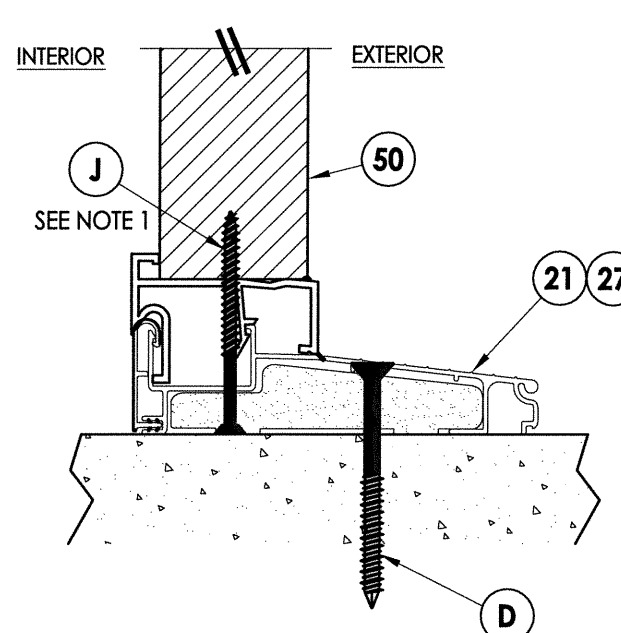
8 **VERTICAL CROSS SECTION**
5 ADA Sill



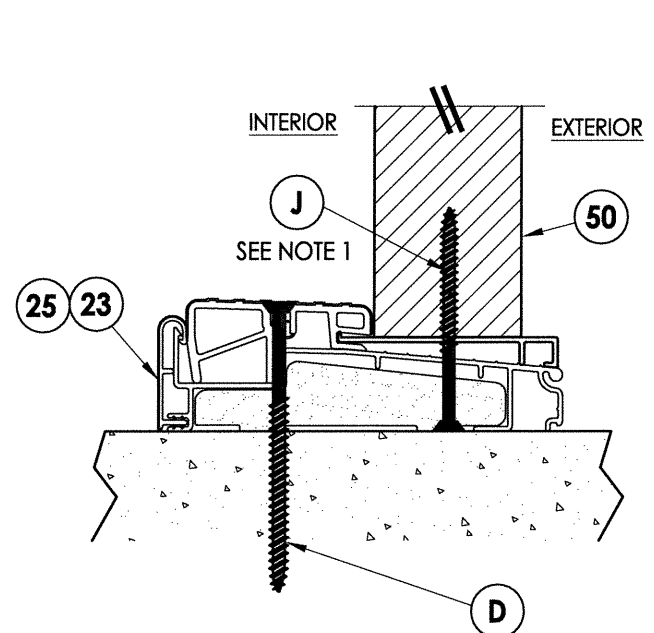
4 **VERTICAL CROSS SECTION**
5 Inswing sill



5 **VERTICAL CROSS SECTION**
5 Outswing sill

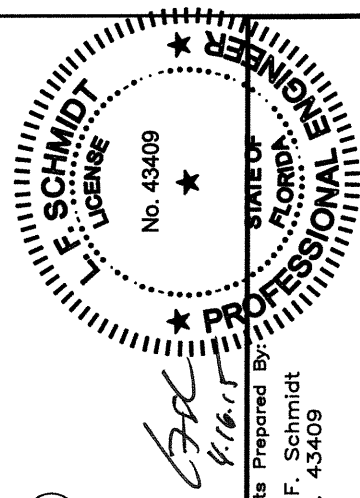


6 **VERTICAL CROSS SECTION**
5 Inswing sill

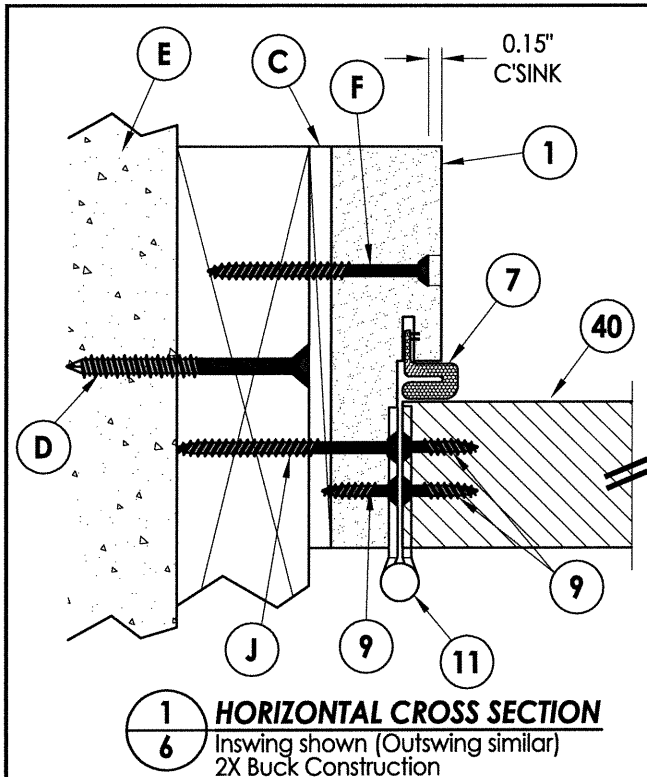


7 **VERTICAL CROSS SECTION**
5 Inswing sill

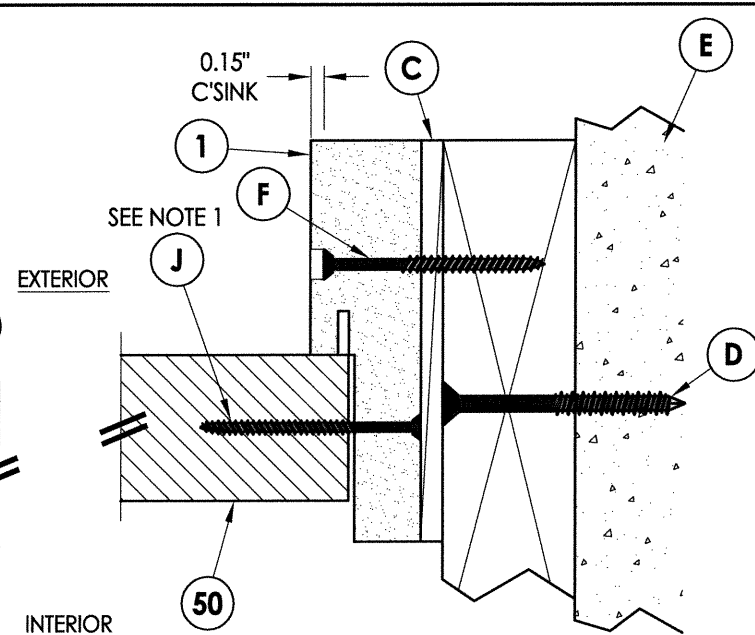
NOTE:
1. Spacing for item J @ head & sill: 6" from each end,
1 @ centerline, 2 additional at 3" & 4.5" from end
adjacent to door.



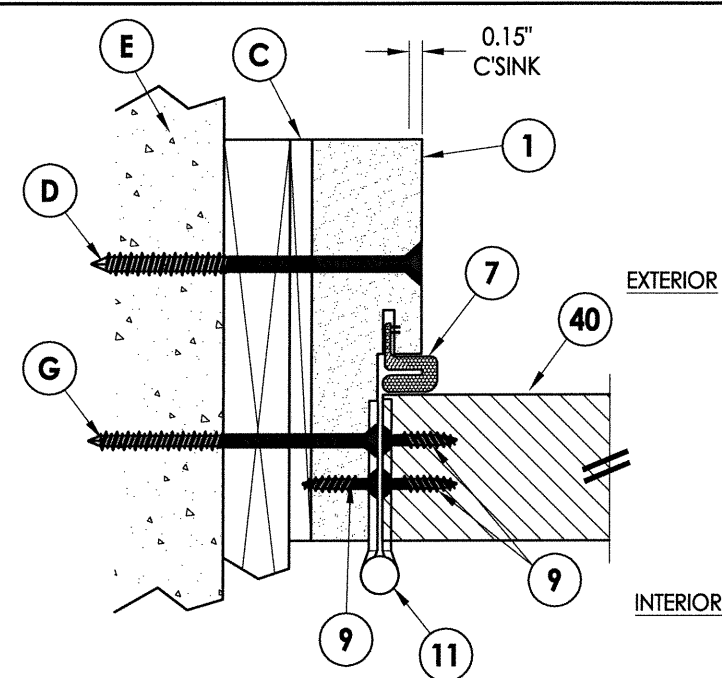
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE C.A. No. 9813	
PRODUCT: PLASTPRO FIBERGLASS DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
		JK	BY
		1	04/14/15
		DATE	REVISIONS
DATE: 10/8/14		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-17347.8		SHEET 5 OF 9	



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



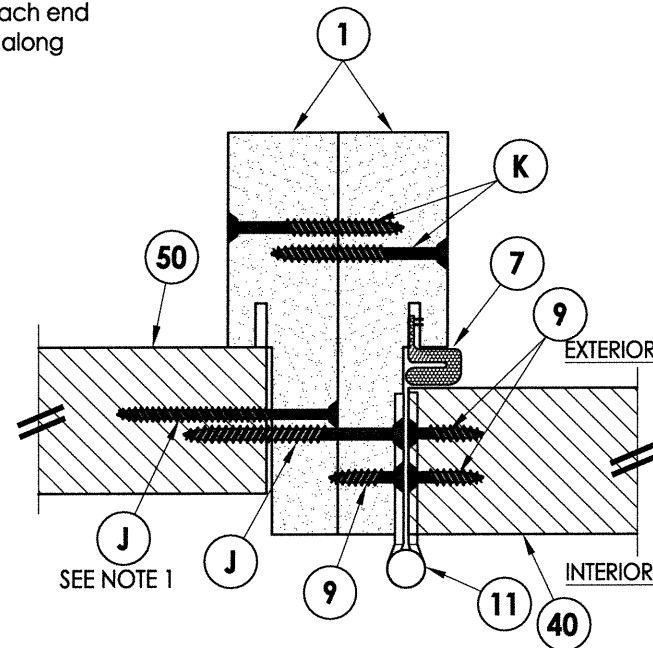
2 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)
 2X Buck Construction



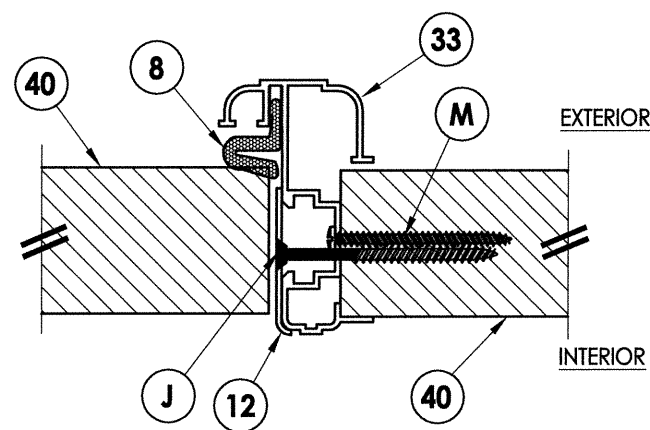
3 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)
 1X Buck Construction

NOTE:

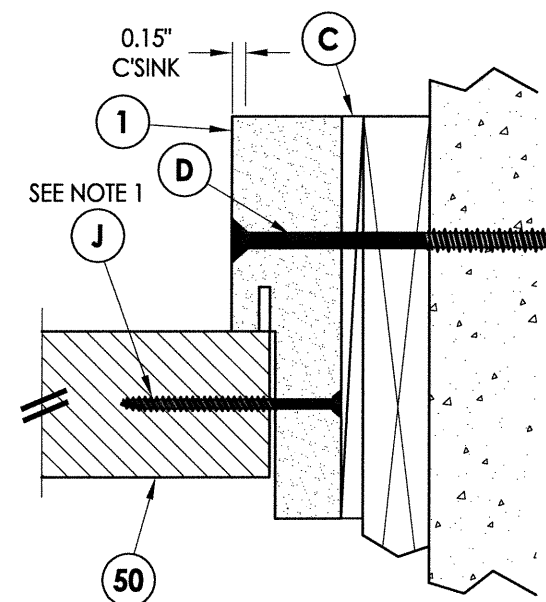
1. Spacing for item J: 6" from each end and 3 more equally spaced along sidelite jamb (5 total).



5 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)
 (Shown w/out Reinforcement)

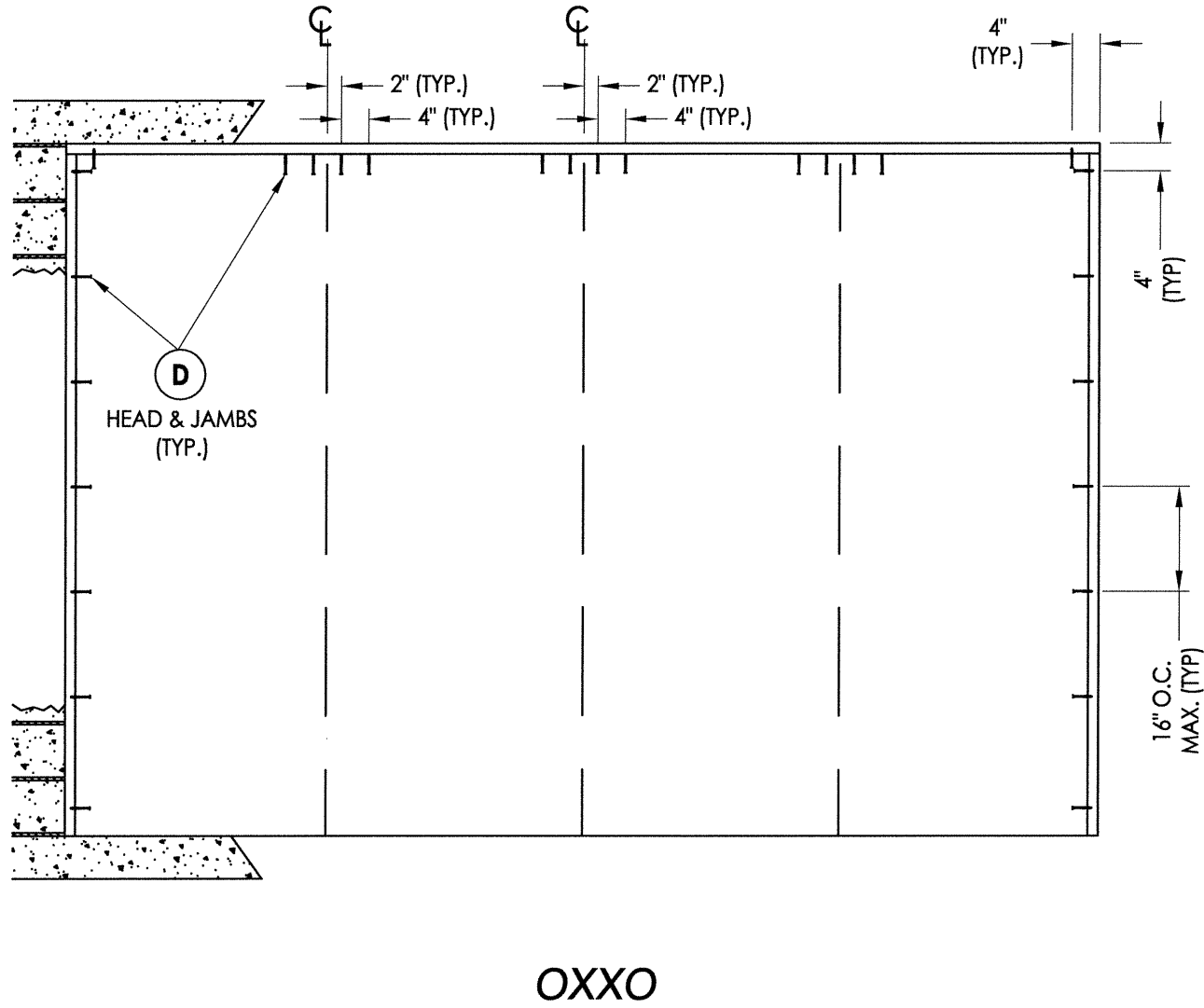
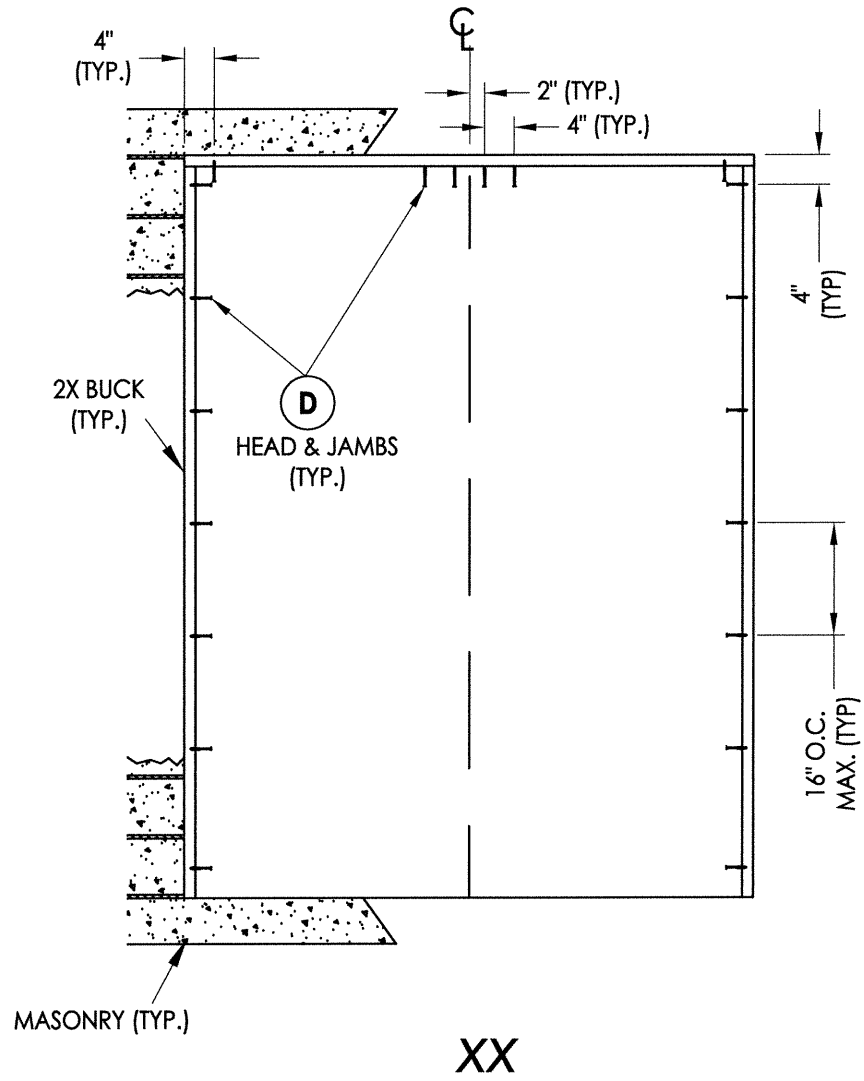


6 HORIZONTAL CROSS SECTION
Inswing shown (Outswing similar)

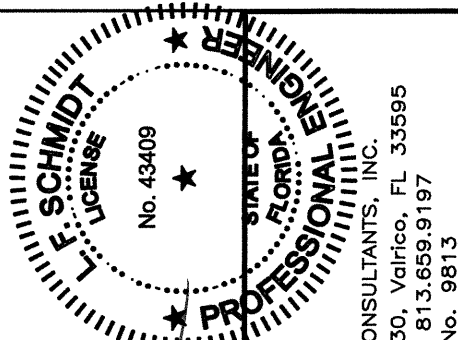


4 HORIZONTAL CROSS SECTION
6 Inswing shown (Outswing similar)
 1X Buck Construction

[illegible]



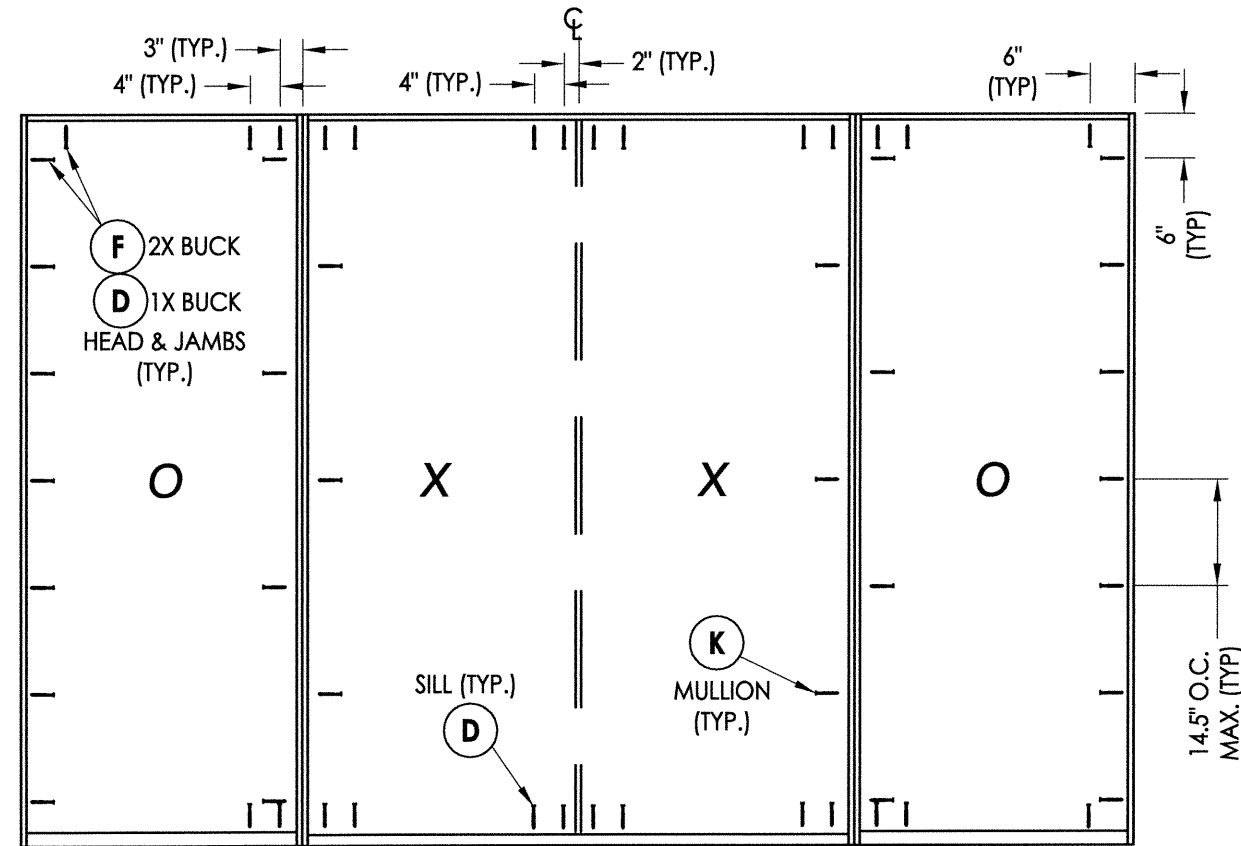
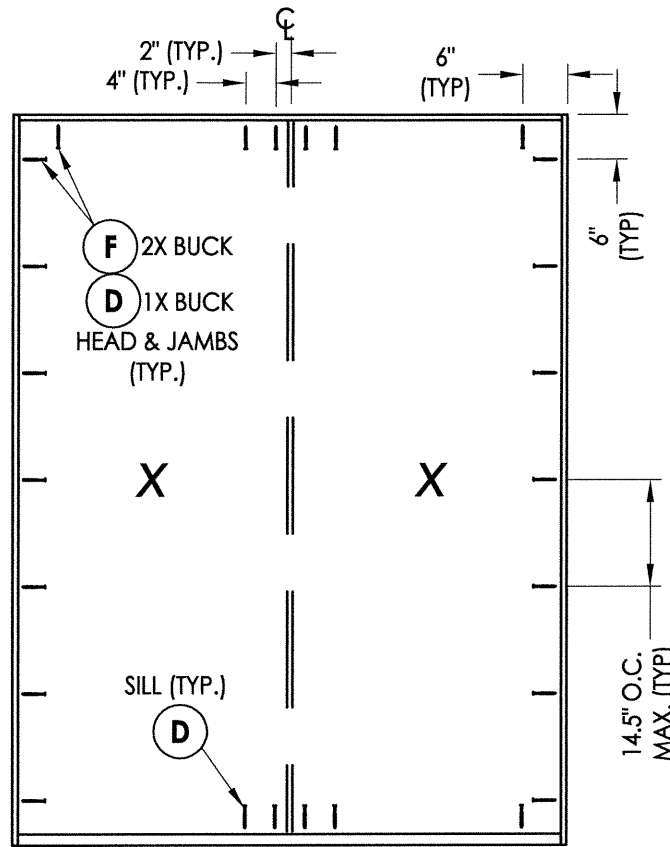
2X BUCK ANCHORING



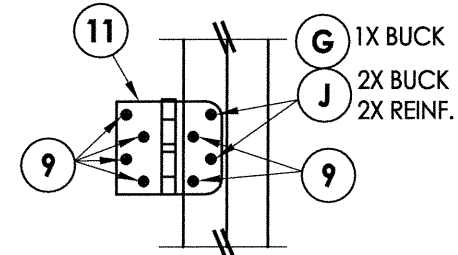
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		PART OR ASSEMBLY:	
PLASTPRO FIBERGLASS DOOR		BUCK ANCHORING	
1	04/14/15	UPDATE TO 5TH ED. (2014)	FBC
NO.	DATE	BY	JK
REVISIONS			
DATE: 10/8/14			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17347.8			
SHEET 7 OF 9			

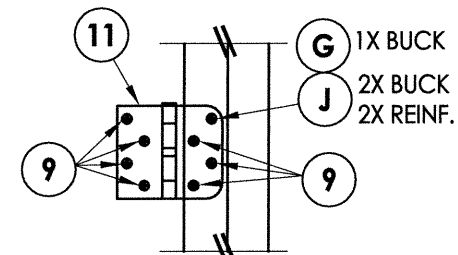
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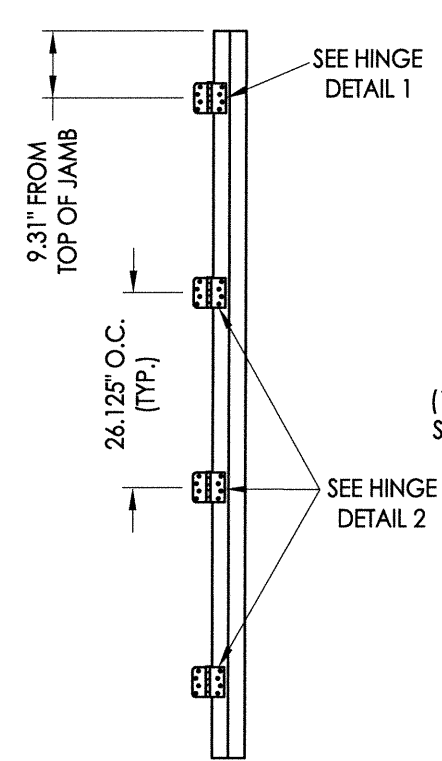
FRAME ANCHORING



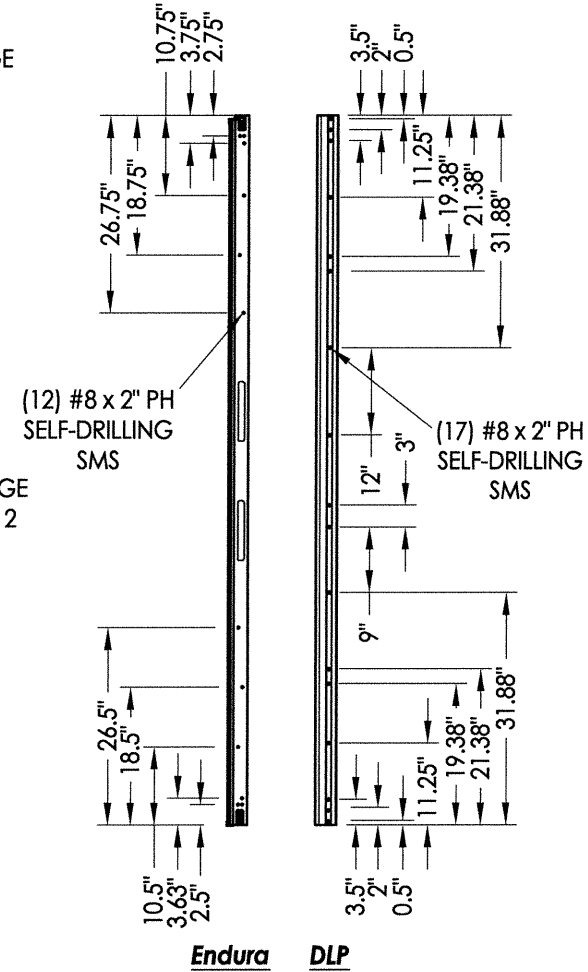
HINGE DETAIL 1



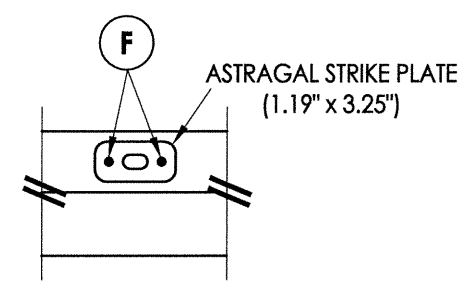
HINGE DETAIL 2



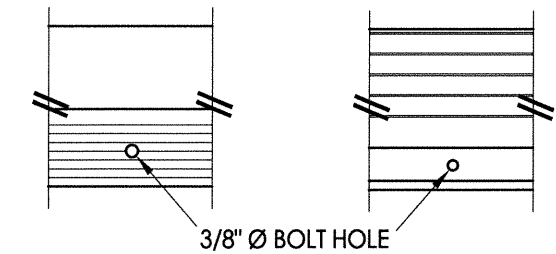
HINGE JAMB



ASTRAGAL SCREW LOCATIONS

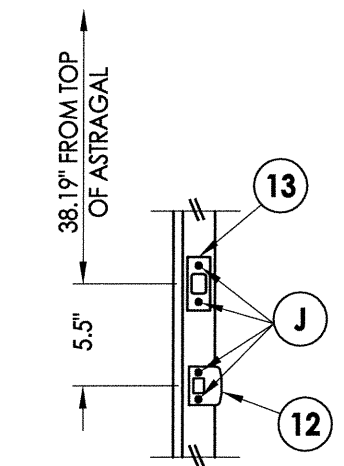


ASTRAGAL BOLT DETAIL
Strike Plate @ Head

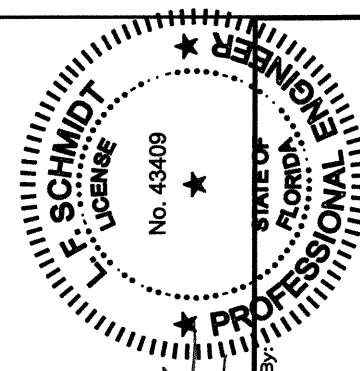


ASTRAGAL BOLT DETAIL
Outswing Threshold

ASTRAGAL BOLT DETAIL
Inswing Threshold



LATCH AND DEADBOLT DETAILS



Handwritten signature and initials

Documents Prepared By:
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BUILDING CONSULTANTS, INC.
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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-17347.8	
SHEET		8	OF 9
NO.		DATE	REVISIONS
1	04/14/15	UPDATE TO 5TH ED. (2014) FBC	JK
			BY

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
K	#10 X 2" PFH WOOD SCREW	STEEL
M	#8 X 2" PH SMS	STEEL
1	POLY FIBER JAMB	COMP.
5	2X REINFORCEMENT (G >= 0.55)	WOOD
6	DOOR SWEEP	PVC
7	WEATHERSTRIP (ENDURA FORCE 5)	FOAM
8	WEATHERSTRIP (Q-LON)	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
33	ASTRAGAL (DLP OR ENDURA)	ALUM
40	DOOR PANEL	-
50	SIDELITE PANEL	-

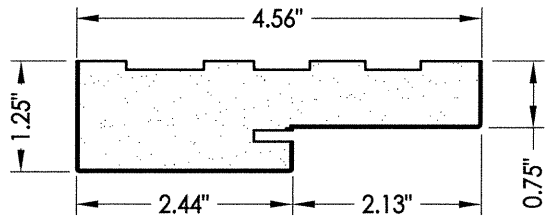
CONCRETE ANCHOR NOTES:

- 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:

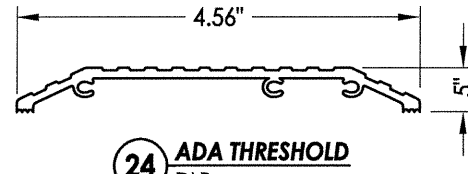
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

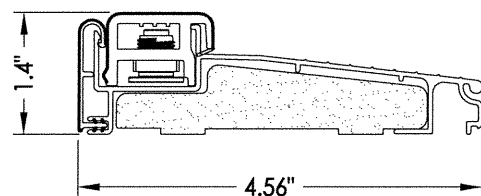
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



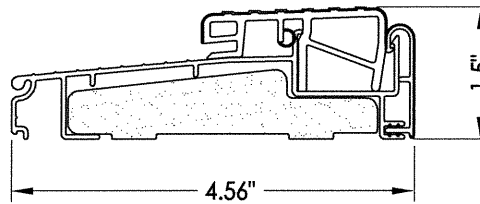
1 POLY FIBER JAMB



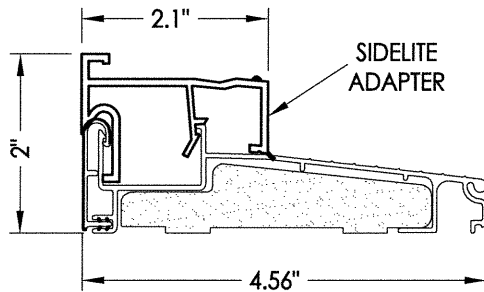
24 ADA THRESHOLD
DLP



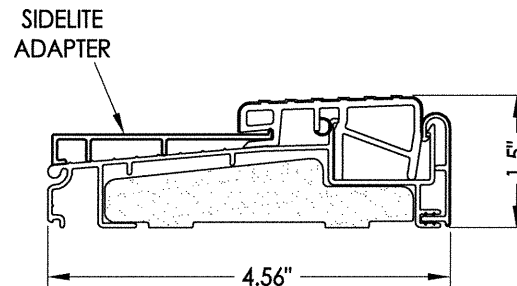
20 INSWING THRESHOLD
Endura (Z-Series)



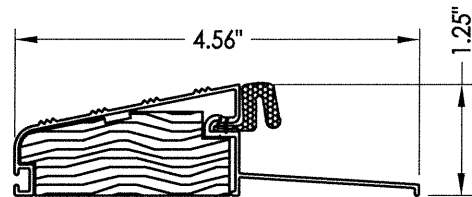
22 OUTSWING THRESHOLD
Endura (Z-Series)



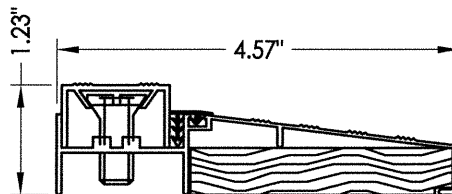
21 INSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



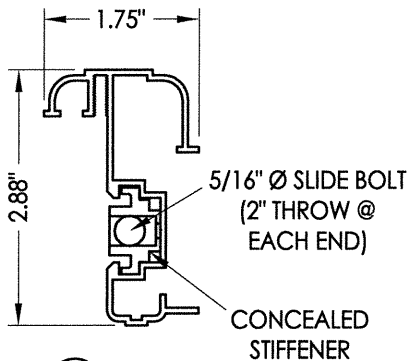
23 OUTSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



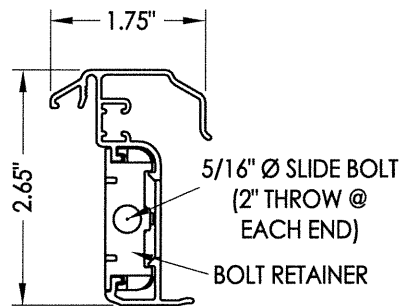
25 OUTSWING THRESHOLD
DLP



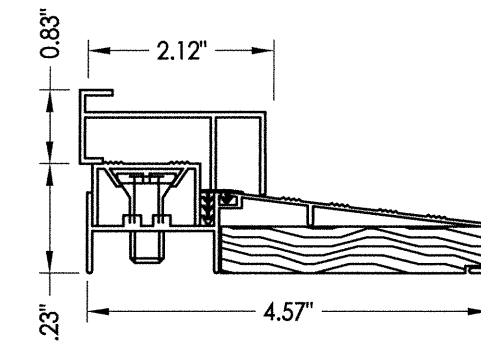
26 INSWING THRESHOLD
DLP



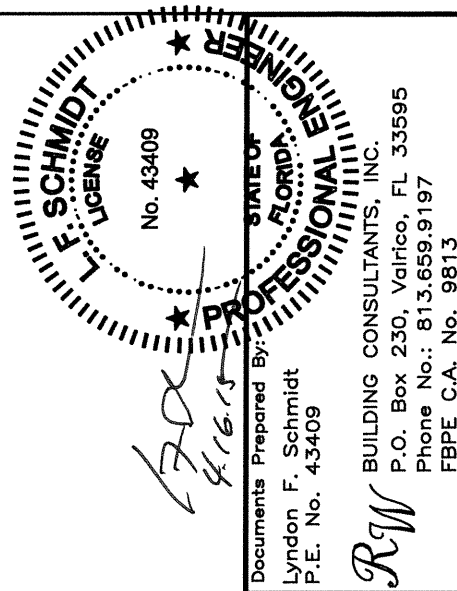
33 ASTRAGAL
DLP



33 ENDURA ASTRAGAL
Ultimate Hurricane



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-17347.8

SHEET 9 OF 9