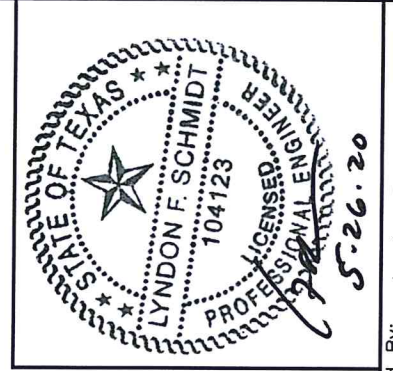


# plastpro

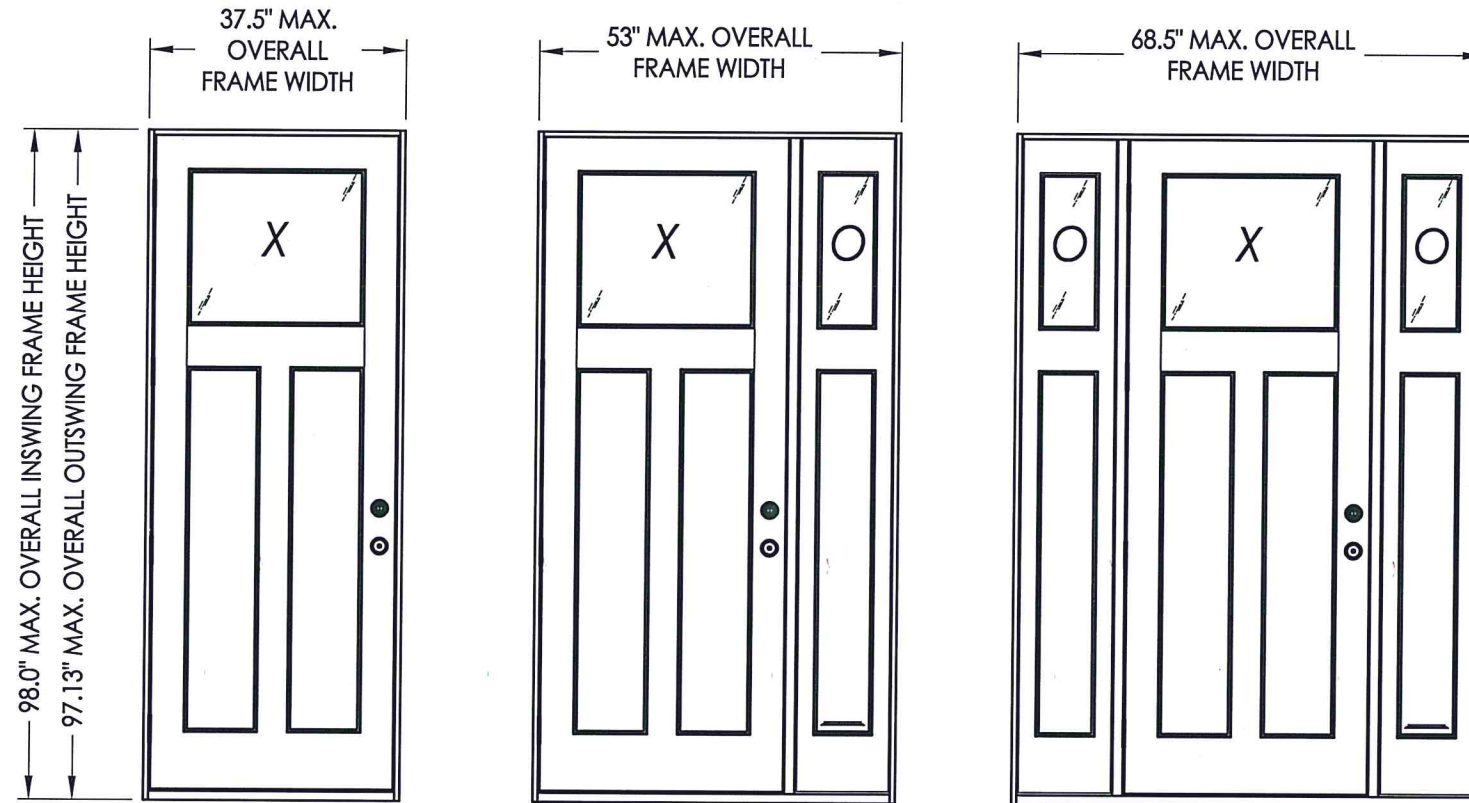
5200 W. CENTURY BLVD.  
LOS ANGELES, CA 90045



Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL 33595  
Phone No.: 813.659.9197  
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

## Craftsman Series Fiberglass Door INSWING / OUTSWING "NON-IMPACT"



### EVALUATED FOR USE IN THE STATE OF TEXAS

The Fiberglass Door system described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 subject to the following conditions:

1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. 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 R301.2.1.2 of the IRC and Section 1609.1.2 of the IBC.
3. Allowable design pressure requirements must be equal to or less than the design pressure rating shown in the design pressure chart, sheet 1 of this drawing.
4. Conditions not covered by this drawing are subject to further engineering analysis.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Sidelite Panel Details and Glazing Detail
4	Elevations
5	Horizontal & Vertical Cross Sections
6	Vertical Cross Sections
7	Frame Anchoring
8	Bill of Materials and components

CONFIGURATION	MAX. FRAME DIMENSION	MAX. DOOR D.L.O. DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 98.0"	24.75" X 22"	+35.0	-50.0	+40.0	-40.0
OX/XO	53.0" x 98.0"	24.75" X 22"	+35.0	-50.0	+40.0	-40.0
OXO	68.5" x 98.0"	24.75" X 22"	+35.0	-50.0	+40.0	-40.0

See Sheet 2 for hardware limits on Design Pressure (PSF).

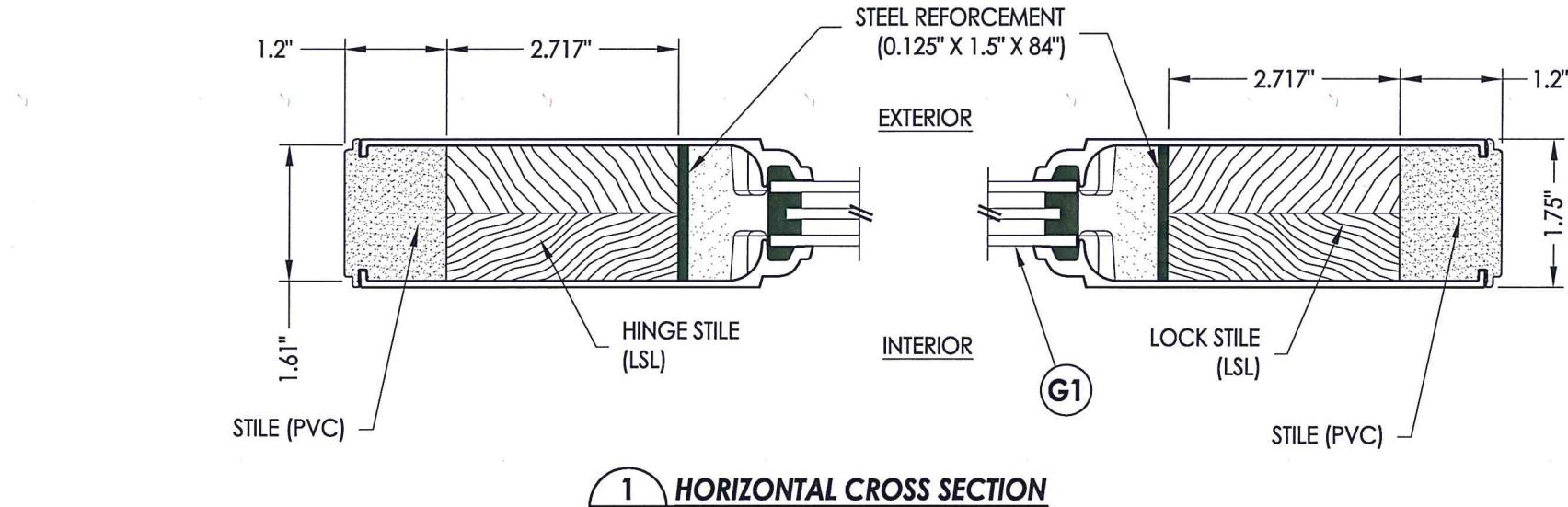
PRODUCT: PLASTPRO FIBERGLASS DOOR  
 PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS
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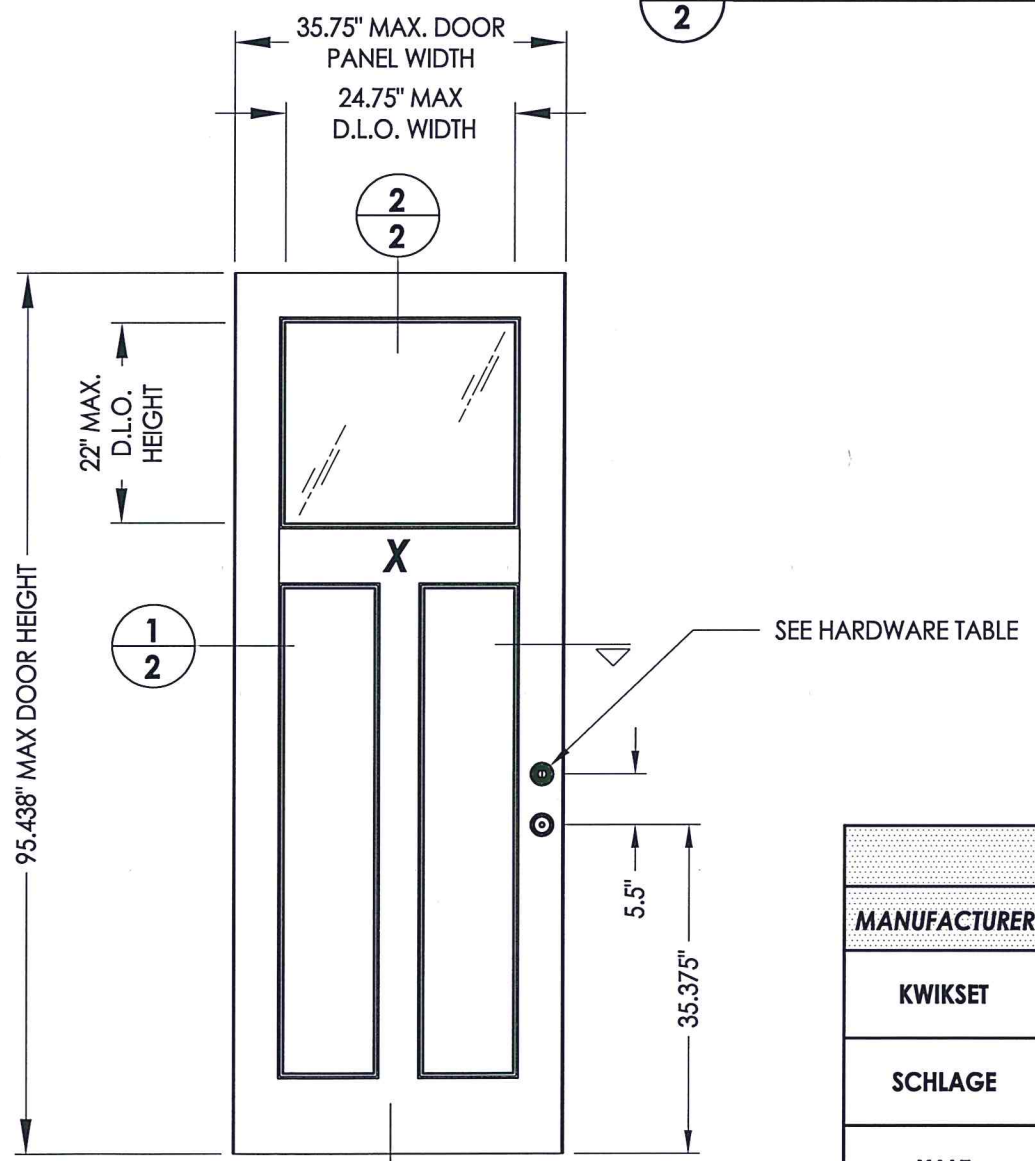
DATE: 4/26/16  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: TX-4611  
 SHEET 1 OF 8



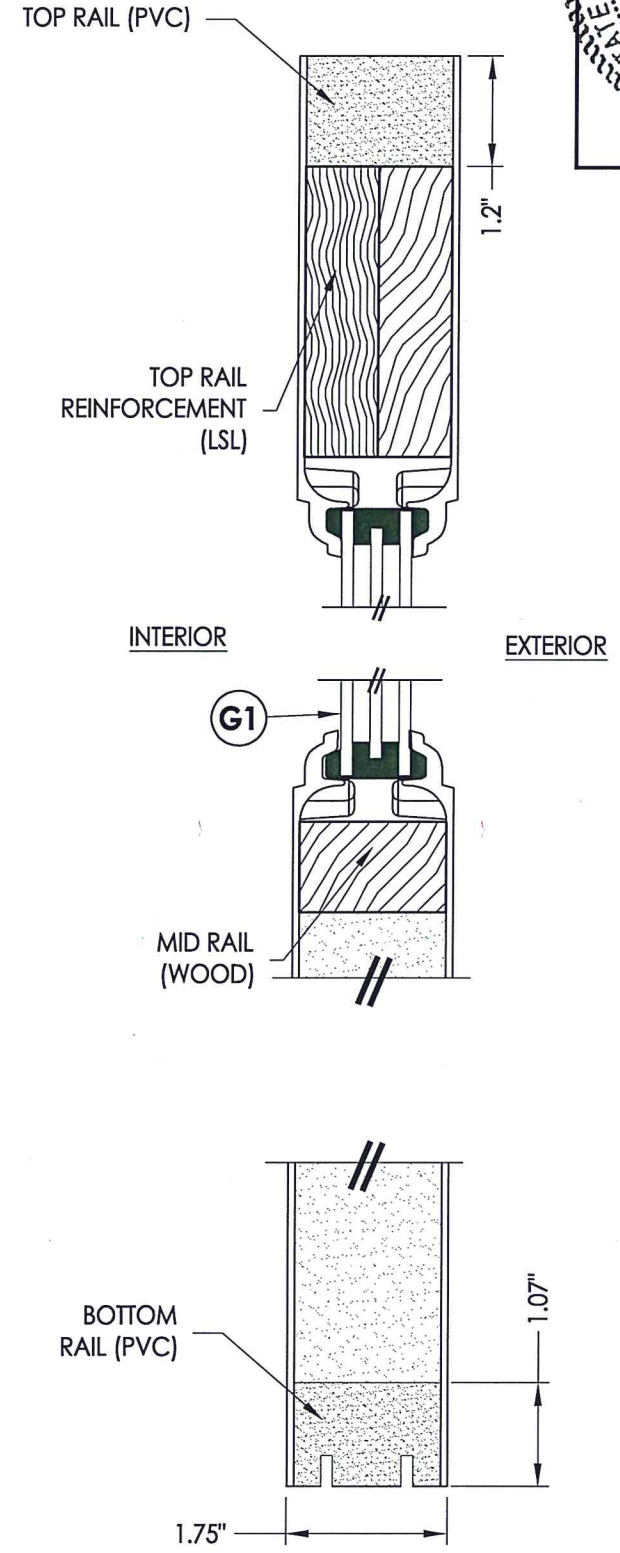
R:\Clients\Plastpro, Inc PERMANENT\B - TDI\TDI - DR 806 - Craftsman 3'0 x 8'0 Integral Glazed Single Doors\C - Drawings\TX-4611.dwg, 2.8



1 HORIZONTAL CROSS SECTION



HARDWARE TABLE		MAX. DESIGN PRESSURE (PSF)
MANUFACTURER	MODEL	
KWIKSET	KNOB: SERIES (400)	+35/-50
	DEADBOLT: SERIES (660)	
SCHLAGE	KNOB: F-SERIES	+35/-50
	DEADBOLT: B-SERIES	
YALE	KNOB: 100 C	+40/-40
	DEADBOLT: 820	



2 VERTICAL CROSS SECTION



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TEXAS P.E. #104123

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

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTPRO FIBERGLASS DOOR

PART OR ASSEMBLY: DOOR PANEL DETAILS

REVISIONS	
NO.	DATE
1	5/21/20
	UPDATE TO 2018 IBC/IRC CODE
	LFS
	BY

DATE: 4/26/16

SCALE: N.T.S.

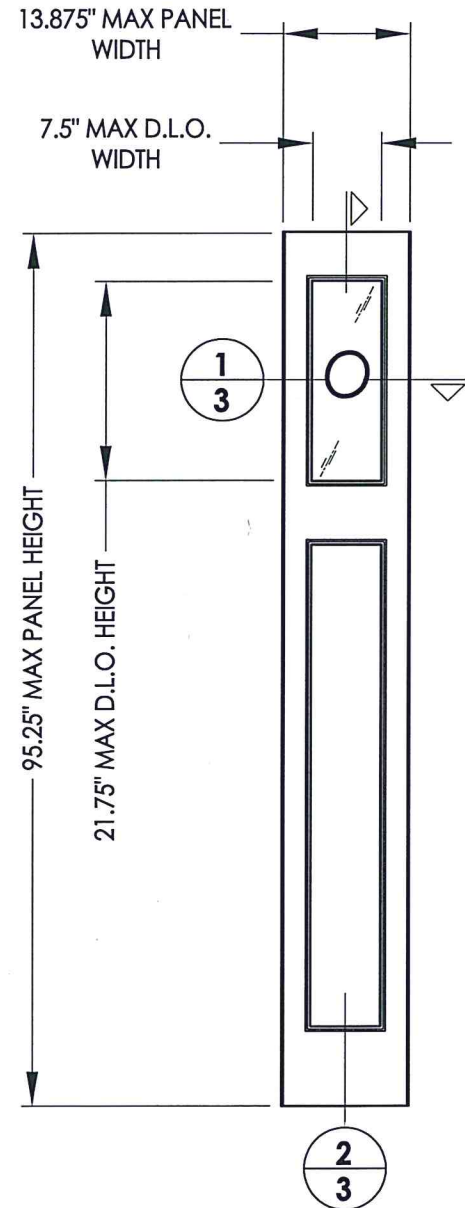
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: TX-4611

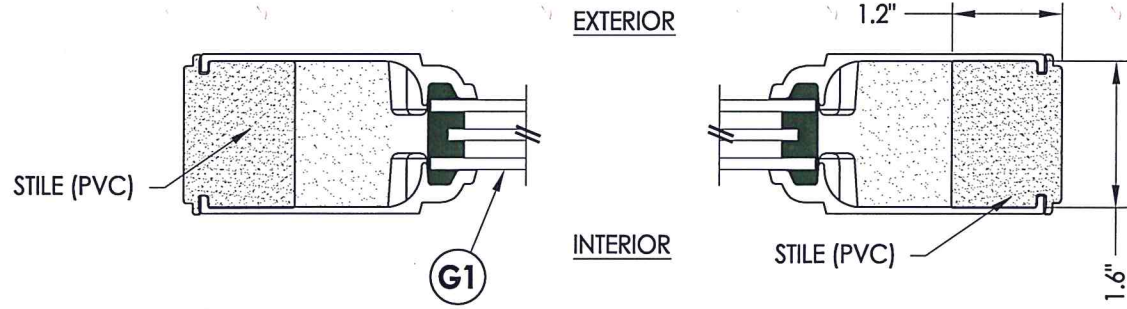
SHEET 2 OF 8

R:\Clients\Plastpro, Inc PERMANENT\B - TDI\TDI - DR 806 - Craftsman 3'0 x 8'0 Integral Glazed Single Doors\C - Drawings\TX-4611.dwg, 3.8

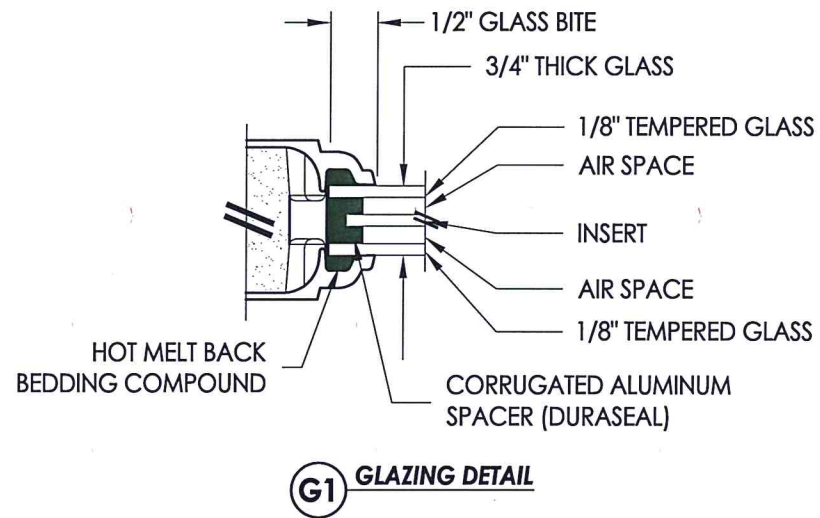


**50 SIDELITE PANEL**  
Plastpro  
Fiberglass

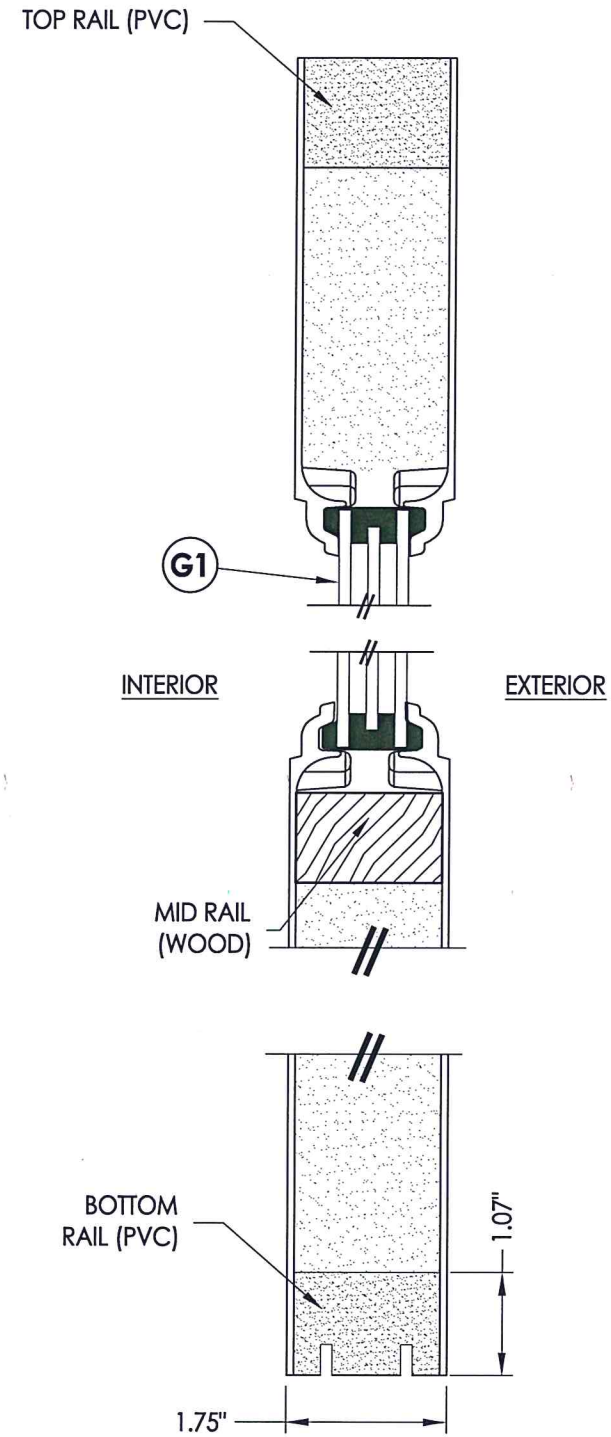
FIBERGLASS DOOR SKIN: MIN. 0.086" THK.  
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)



**1 HORIZONTAL CROSS SECTION**



**G1 GLAZING DETAIL**



**2 VERTICAL CROSS SECTION**



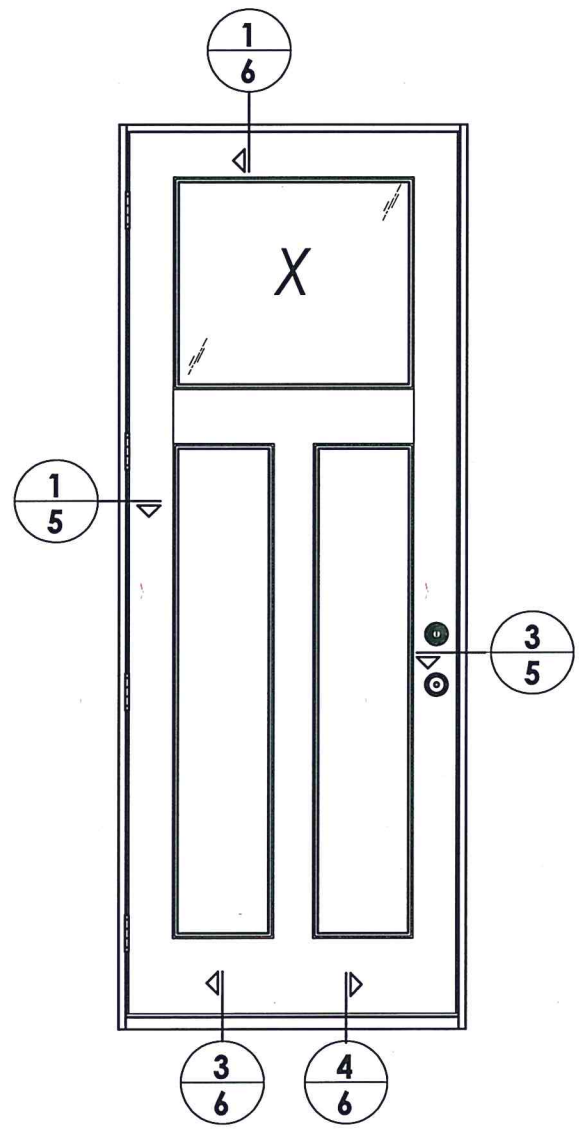
Documents Prepared By: Lyndon F. Schmidt, P.E.  
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P.O. Box 230 Valrico FL 33595  
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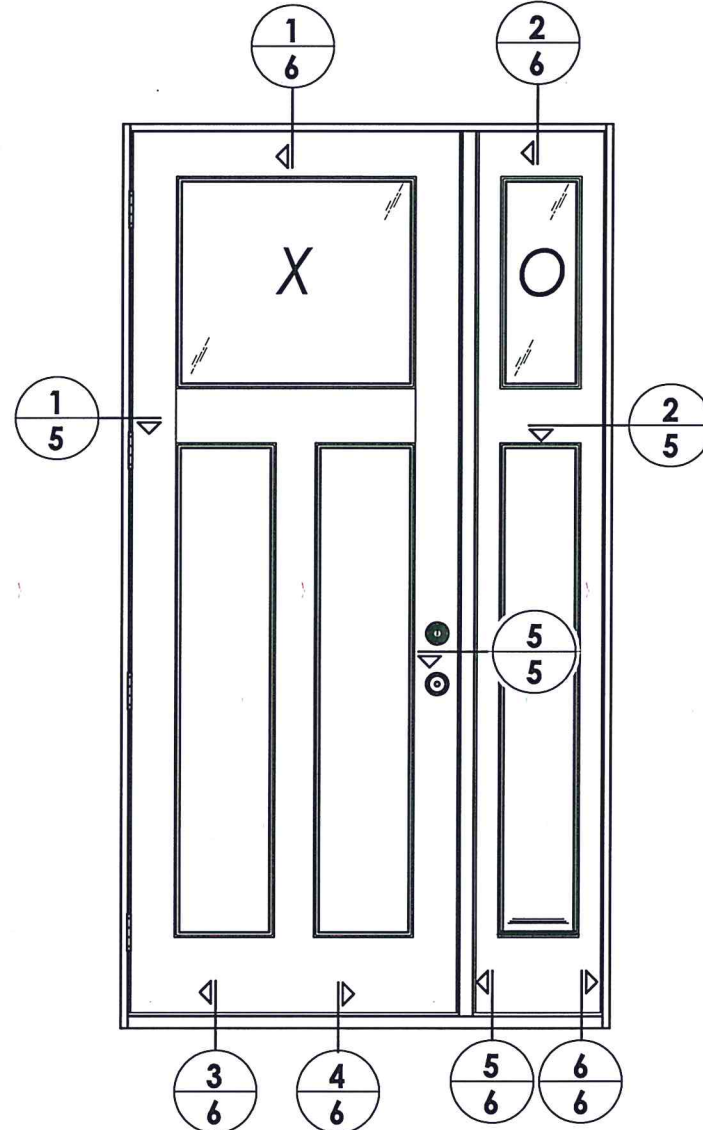
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY: SIDELITE PANEL DETAILS AND GLAZING DETAIL	
NO.	DATE
1	5/21/20
UPDATE TO 2018 IBC/IRC CODE	
LFS	BY
REVISIONS	
DATE: 4/26/16	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: TX-4611	
SHEET 3 OF 8	

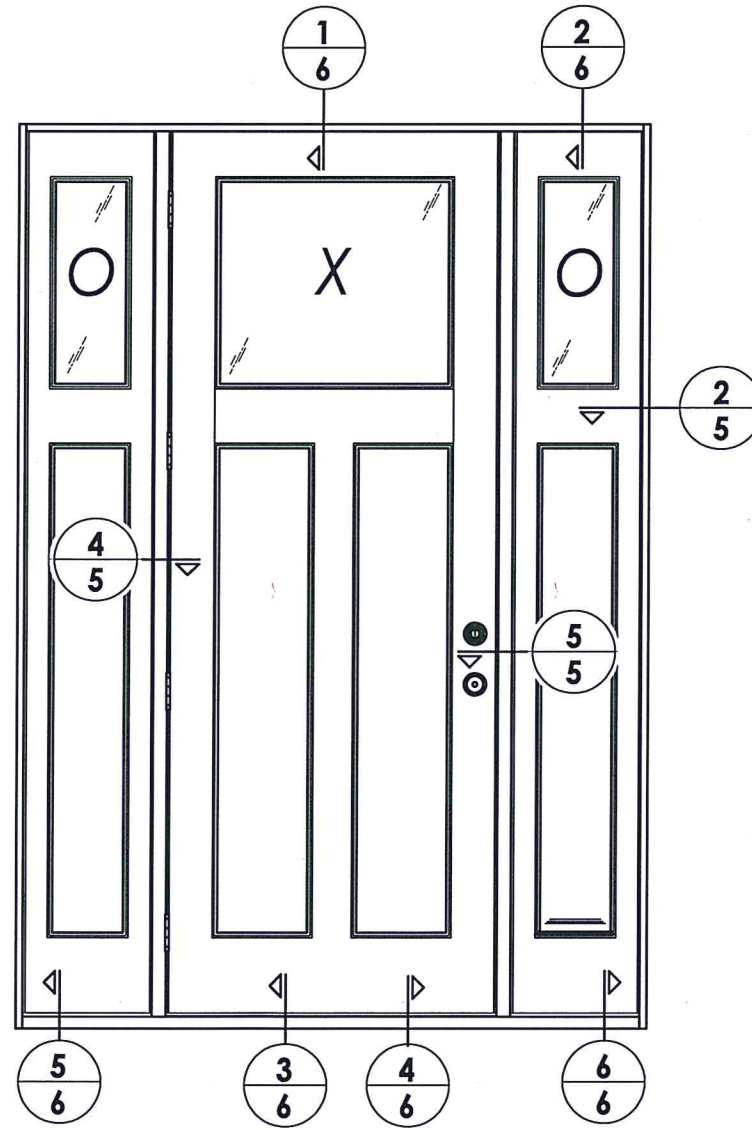




ELEVATION (X)



ELEVATION (XO)



ELEVATION (OXO)



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P.O. Box 230 Valrico FL 33595  
Phone No.: 813.659.9197

TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTIPRO FIBERGLASS DOOR

PART OR ASSEMBLY: ELEVATIONS

NO.	DATE	REVISIONS	BY
1	5/21/20	UPDATE TO 2018 IBC/IRC CODE	LFS

DATE: 4/26/16

SCALE: N.T.S.

DWG. BY: JK

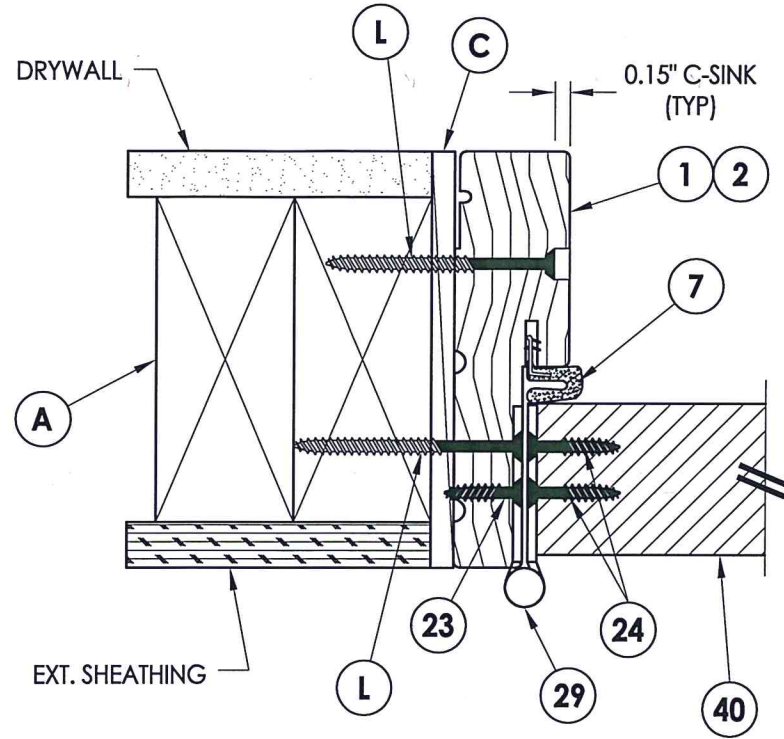
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DRAWING NO.: TX-4611

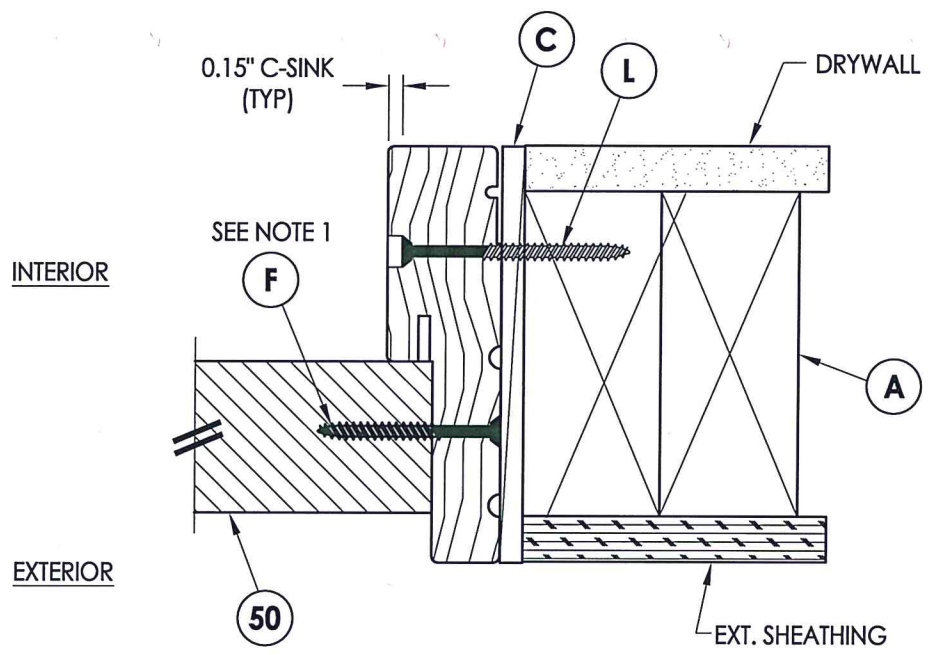
SHEET 4 OF 8



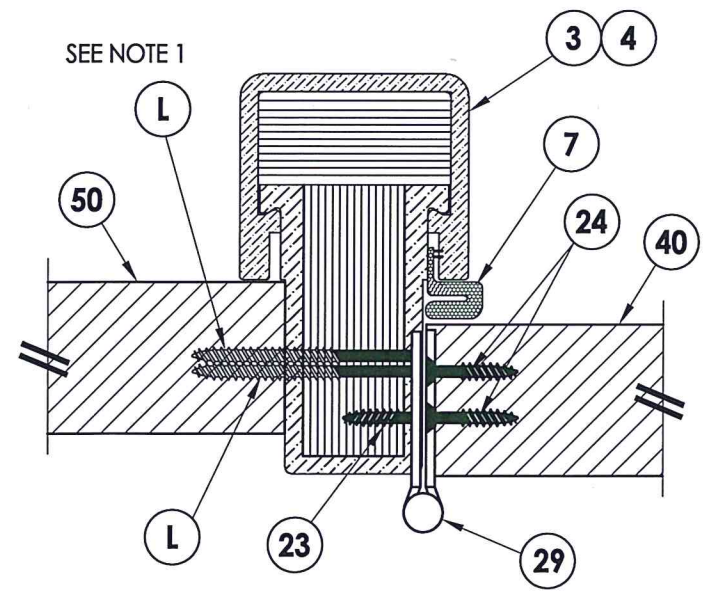
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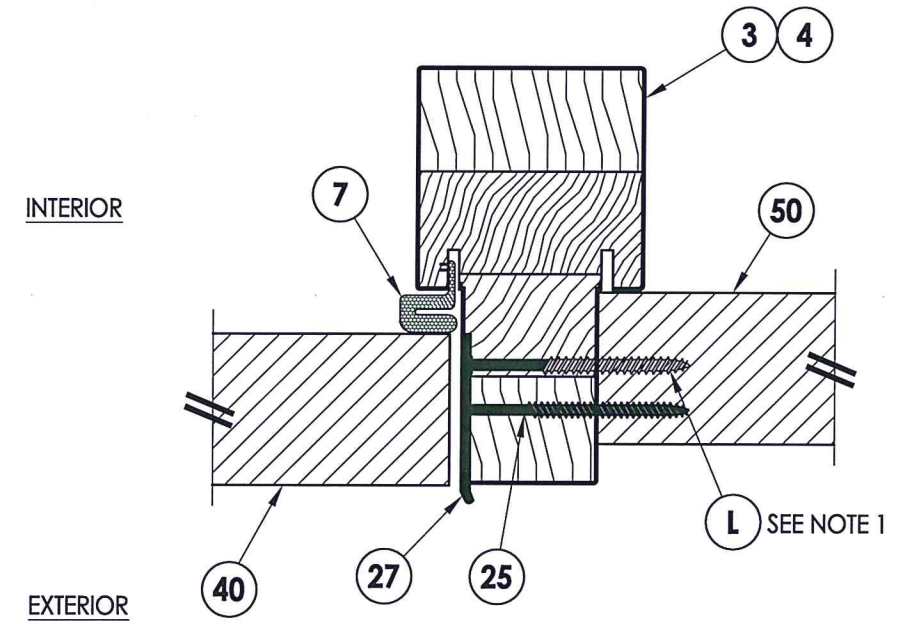
**1** HORIZONTAL CROSS SECTION  
**5** Inswing shown (Outswing similar)



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



**4** HORIZONTAL CROSS SECTION  
**5** Outswing shown (Inswing similar)

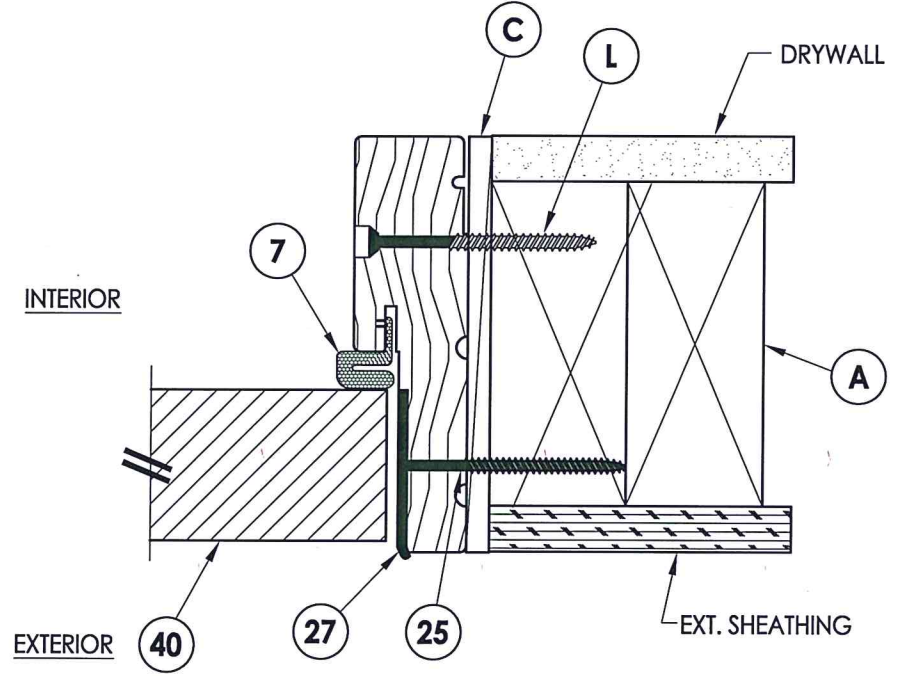


**5** HORIZONTAL CROSS SECTION  
**5** Outswing shown (Inswing similar)

Note:  
1. Sidelite assembly screws located 6" from top and bottom then 5 more equally spaced (7 total).



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TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

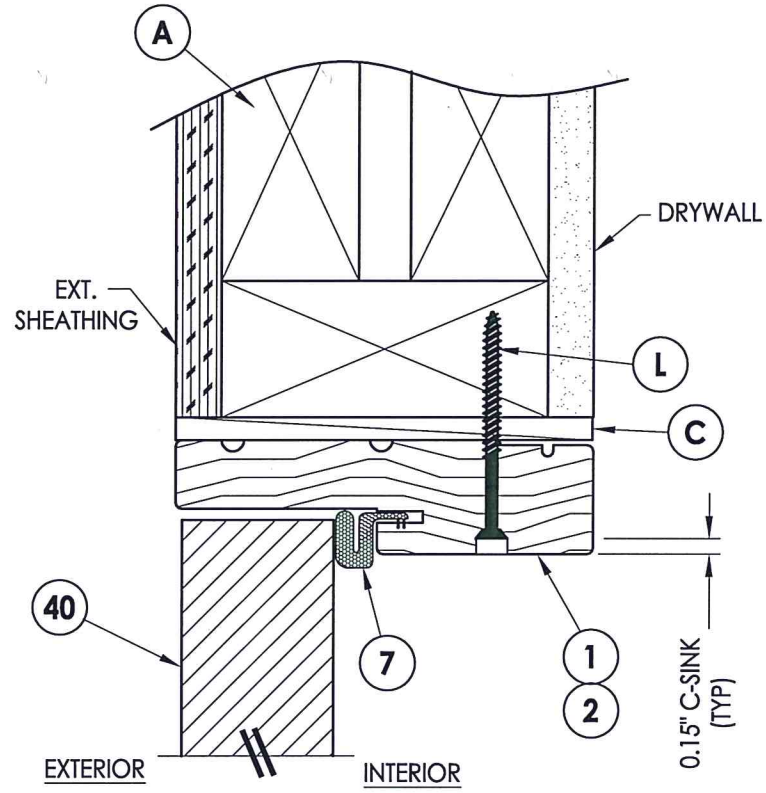


**3** HORIZONTAL CROSS SECTION  
**5** Outswing shown (Inswing similar)

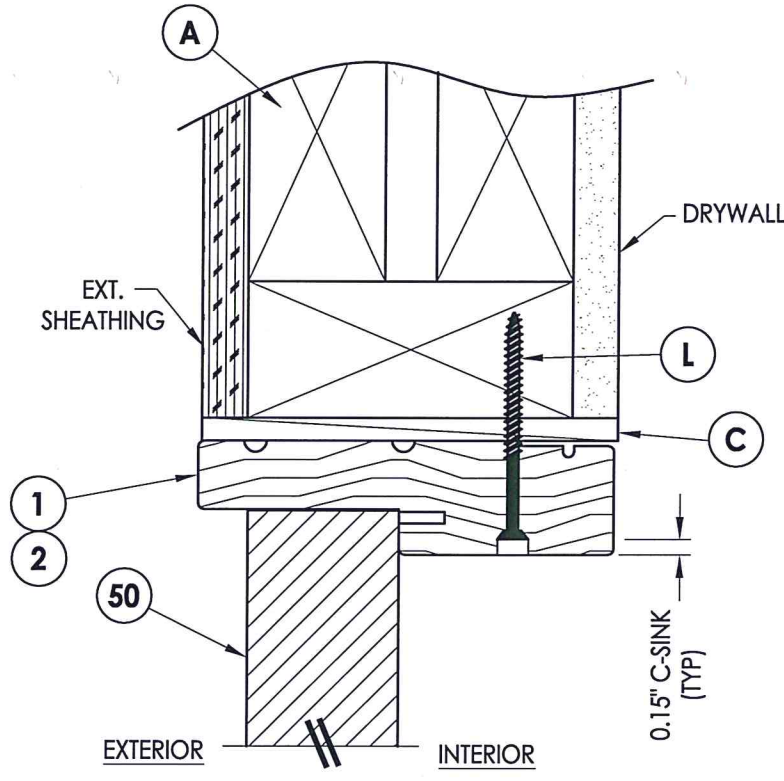
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PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
1	5/21/20	LFS	UPDATE TO 2018 IBC/IRC CODE
DATE: 4/26/16		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: TX-4611		SHEET 5 OF 8	



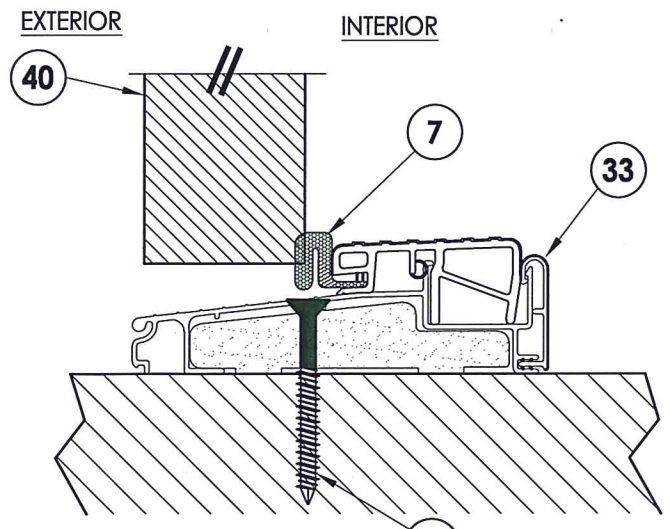
R:\Clients\Plastpro, Inc PERMANENT\B - TD\TDI - DR 806 - Craftsman 3'0 x 8'0 Integral Glazed Single Doors\C - Drawings\TX-4611.dwg, 6.8



**1** VERTICAL CROSS SECTION  
**6** Outswing shown (Inswing similar)

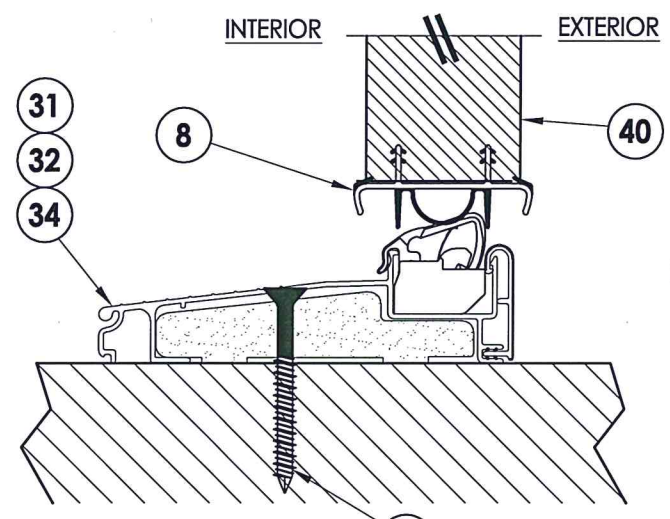


**2** VERTICAL CROSS SECTION  
**6** Outswing shown (Inswing similar)



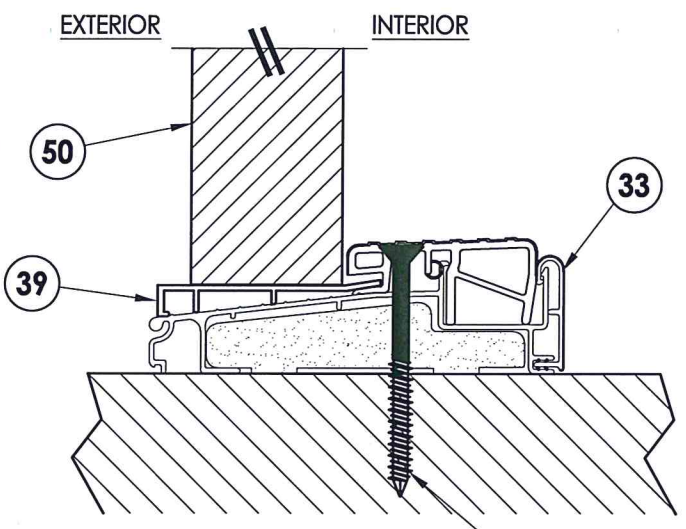
**P** WOOD  
**D** CONCRETE  
SEE NOTE 1

**3** VERTICAL CROSS SECTION  
**6** Outswing configuration



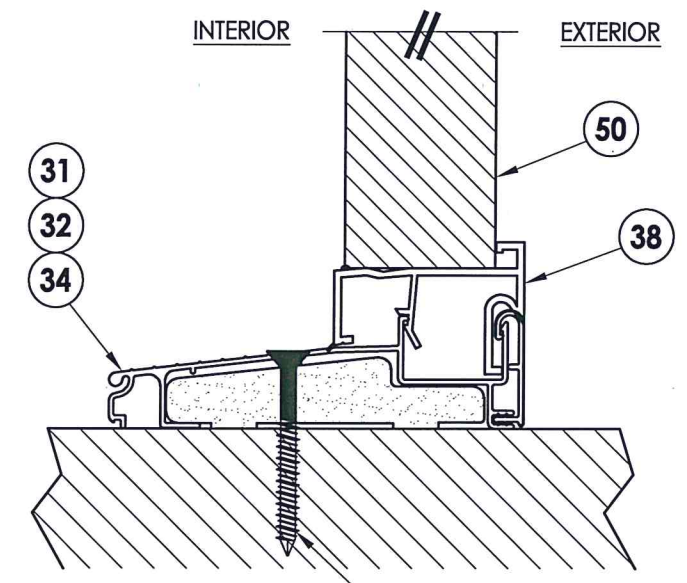
**P** WOOD  
**D** CONCRETE  
SEE NOTE 1

**4** VERTICAL CROSS SECTION  
**6** Inswing configuration



**P** WOOD  
**D** CONCRETE

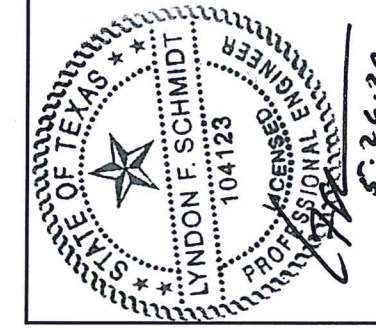
**5** VERTICAL CROSS SECTION  
**6** Outswing configuration



**P** WOOD  
**D** CONCRETE

**6** VERTICAL CROSS SECTION  
**6** Inswing configuration

Note:  
1. Sill anchor is not required for single (x) units.



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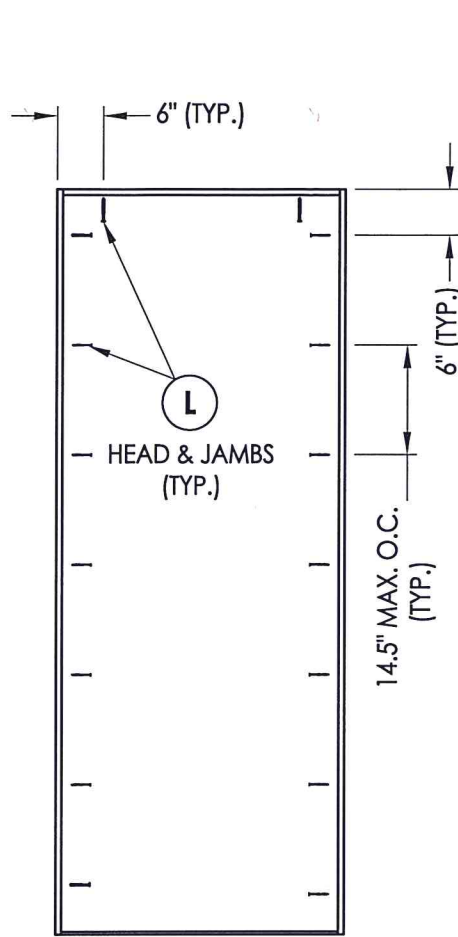
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Phone No.: 813.659.9197

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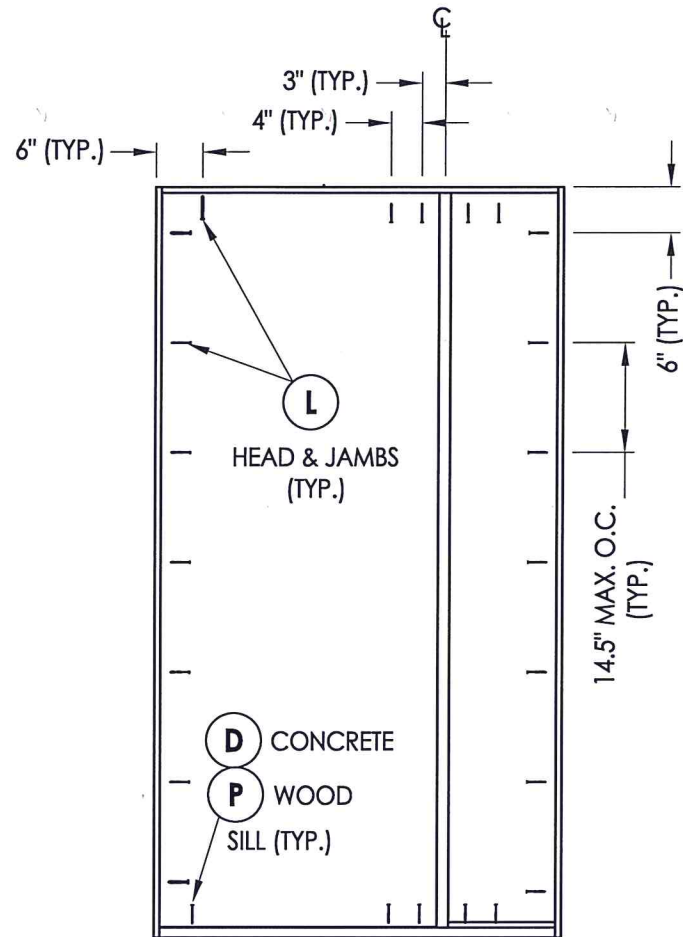
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PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS	
NO.	DATE	BY
1	5/21/20	LFS
UPDATE TO 2018 IBC/IRC CODE		
REVISIONS		
DATE:	4/26/16	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4611	
SHEET	6	OF 8



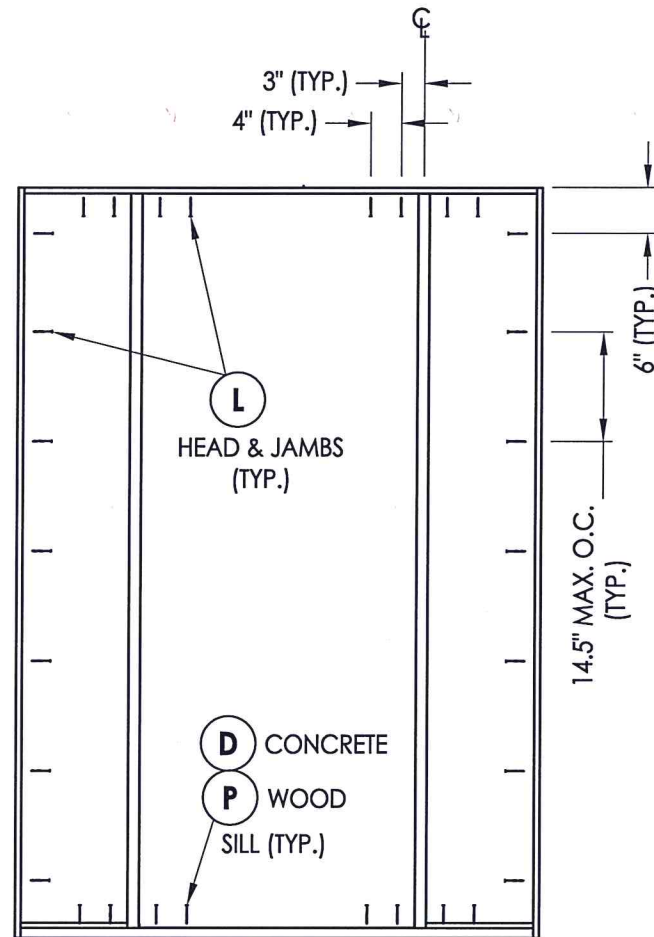
R:\Clients\Plastpro, Inc PERMANENT\B - TD\ITDI - DR 806 -Craftsman 3'0 x 8'0 Integral Glazed Single Doors\C - Drawings\TX-4611.dwg, 7.8



X



XO/OX



OXO

**FRAME ANCHORING**

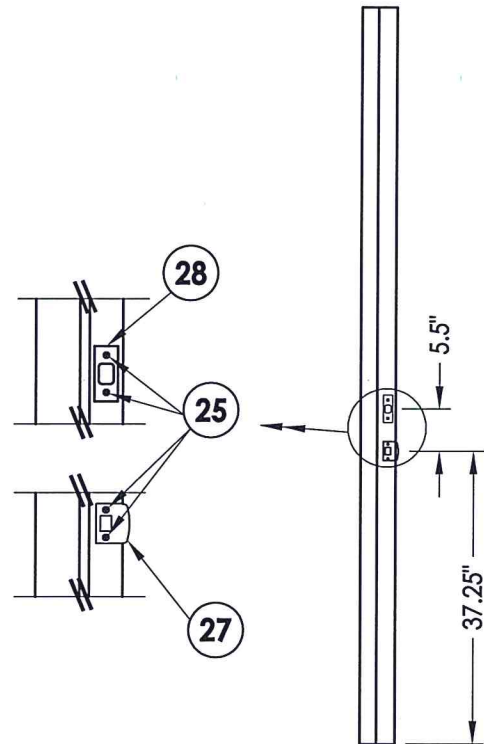
**CONCRETE ANCHOR NOTES:**

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:

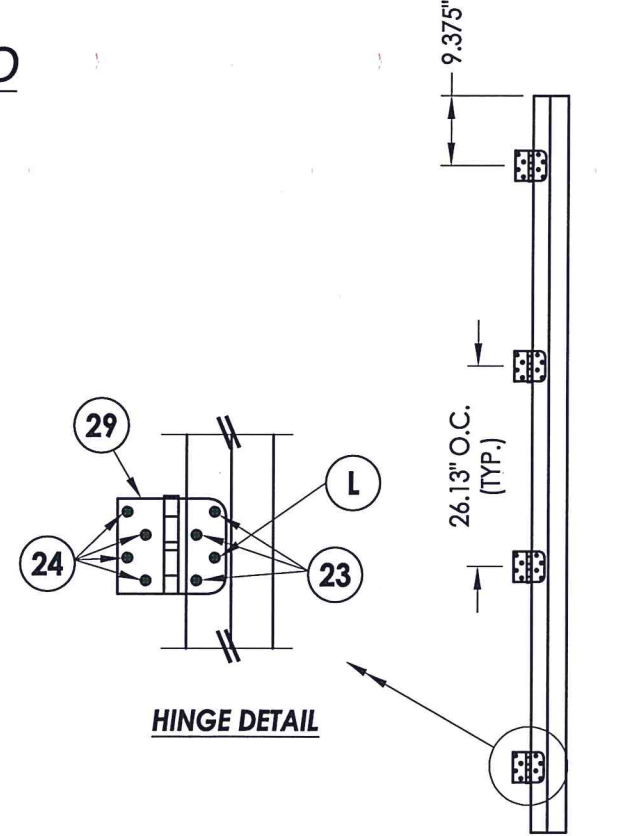
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

**WOOD SCREW INSTALLATION NOTES:**

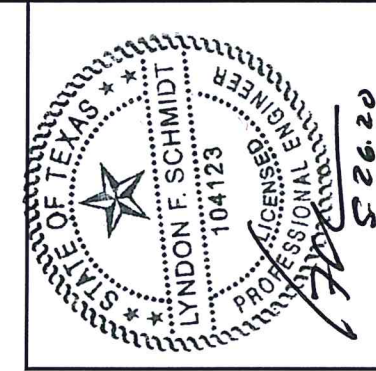
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



**LATCH AND DEADBOLT STRIKE PLATE DETAILS**



**HINGE JAMB**



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TEXAS P.E. #104123

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Phone No.: 813.659.9197

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTPRO FIBERGLASS DOOR

PART OR ASSEMBLY: FRAME ANCHORING

NO.	DATE	REVISIONS	LFS	BY
1	5/21/20	UPDATE TO 2018 IBC/IRC CODE	LFS	BY

DATE: 4/26/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

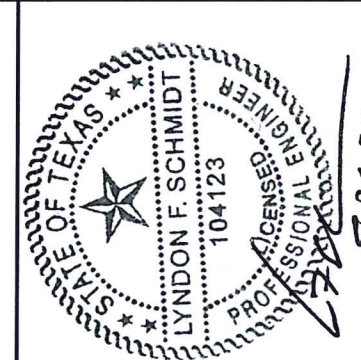
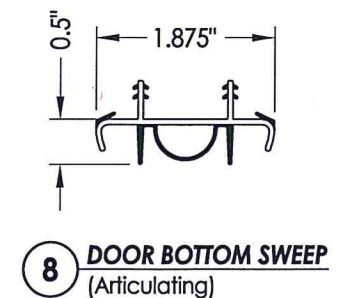
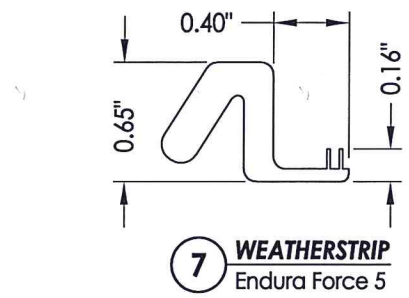
TX-4611

SHEET 7 OF 8



**BILL OF MATERIALS**

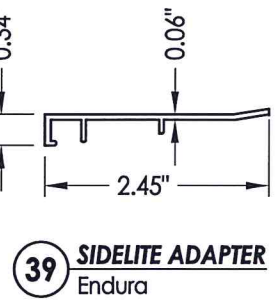
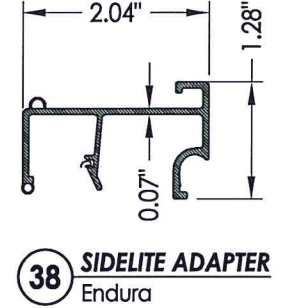
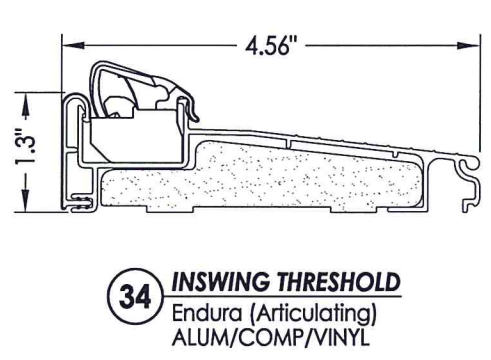
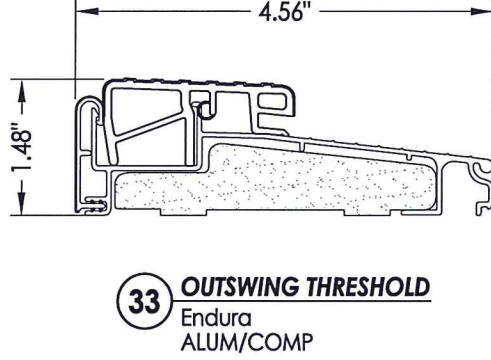
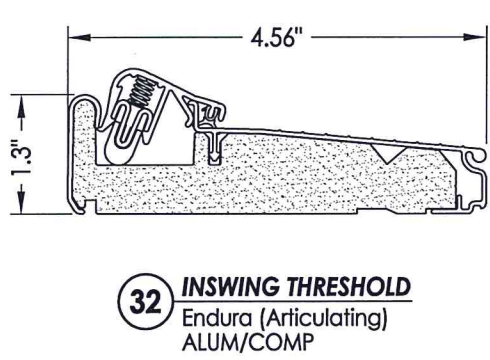
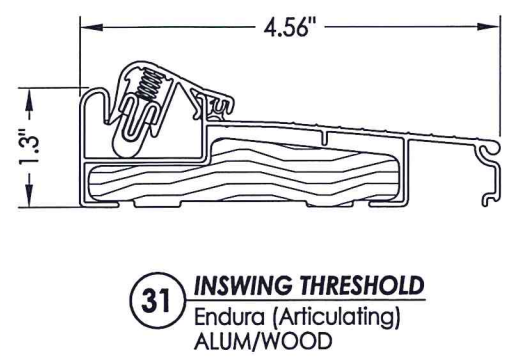
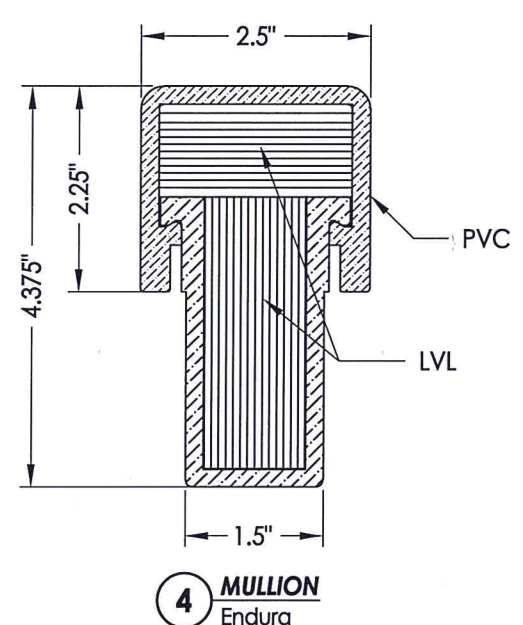
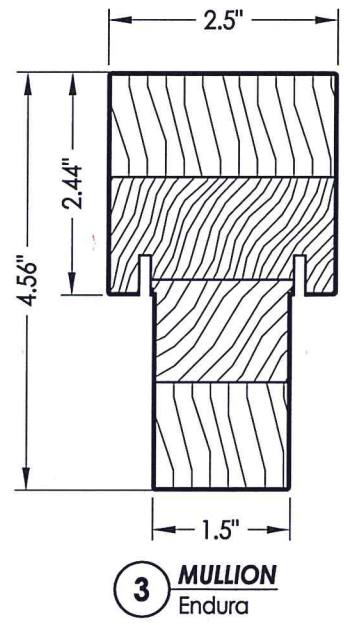
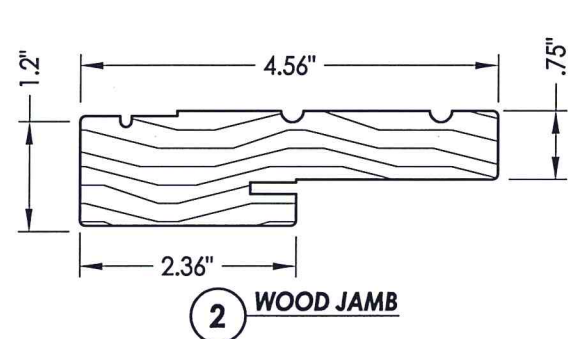
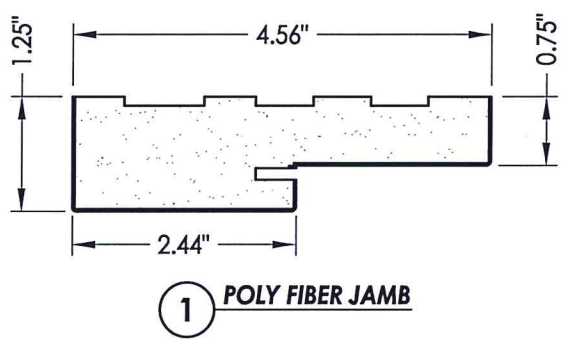
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" PFH CONCRETE SCREW (1-3/4" MIN. EMB.)	STEEL
F	#10 X 2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
P	#10 X 3" PFH WOOD SCREW (1.5" MIN. EMB.)	STEEL
1	POLY FIBER JAMB	POLY FIBER
2	FINGER JOINTED PINE JAMB	WOOD
3	MULLION (PINE)	WOOD
4	MULLION (PVC)	PVC/LVL
7	WEATHERSTRIP	FOAM
8	DOOR BOTTOM SWEEP	VINYL
23	#10 x 3/4" PFH WOOD SCREW	STEEL
24	#10 x 1" PFH WOOD SCREW	STEEL
25	#8 x 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" BUTT HINGE	STEEL
31	INSWING THRESHOLD	ALUM / WOOD
32	INSWING THRESHOLD	ALUM / COMP
33	OUTSWING THRESHOLD	ALUM / COMP
34	INSWING THRESHOLD	ALUM / COMP
38	SIDELITE ADAPTER	VINYL
39	SIDELITE ADAPTER	VINYL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-



Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

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P.O. Box 230 Valrico FL 33595  
Phone No.: 813.659.9197

TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852



PRODUCT:	PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:	BILL OF MATERIALS & COMPONENTS	
NO.	DATE	REVISIONS
1	5/21/20	UPDATE TO 2018 IBC/IRC CODE
LFS	BY	
DATE: 4/26/16		
SCALE: N.T.S.		
DWG. BY: JK		
CHK. BY: LFS		
DRAWING NO.: TX-4611		
SHEET 8 OF 8		