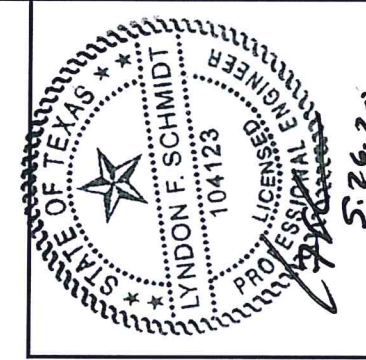


# plastpro

5200 W. CENTURY BLVD.  
LOS ANGELES, CA 90045



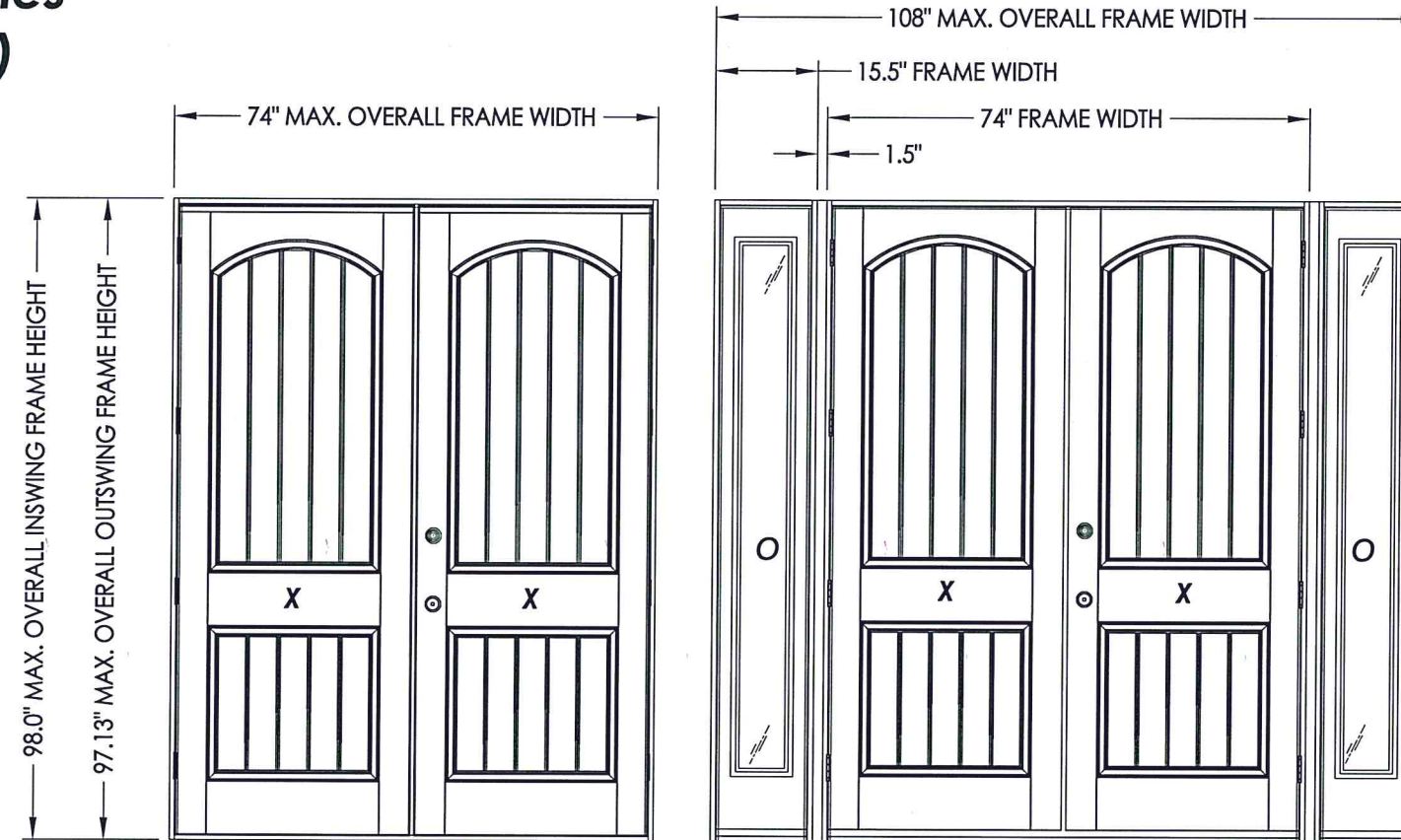
Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

**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

## Rustic/Mahogany/Woodgrain/Smooth Skin Series Fiberglass Double Door w/ & w/out Sidelite(s)

**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

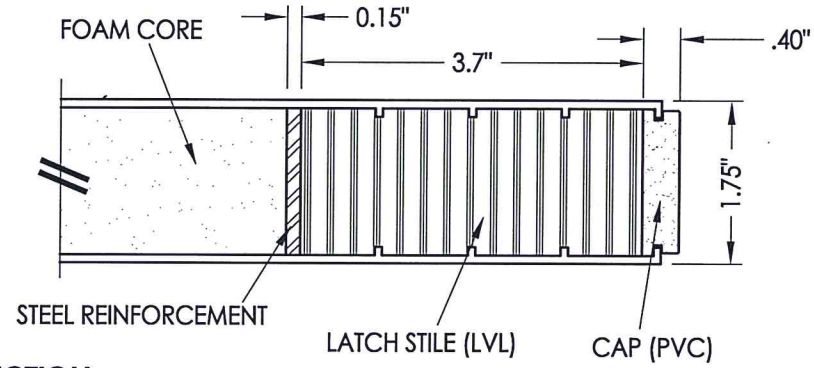
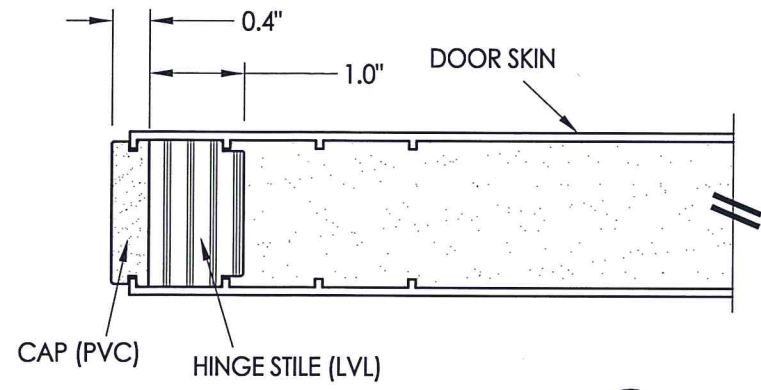
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Door panel details
4	Sidelite panel details
5	Glazing details
6	Elevations
7	Horizontal cross sections
8	Vertical cross sections
9	Vertical cross sections
10	Frame anchoring
11	Astragal details (DLP)
12	Astragal detail (Endura)
13	Bill of materials and components

CONFIGURATION	MAX. FRAME DIMENSION	MAX. SIDELITE D.L.O. DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 98.0"	N/A	+45.0	-45.0	+45.0	-45.0
OXXO	108.0" x 98.0"	7.0" X 79.0"	+45.0	-45.0	+45.0	-45.0

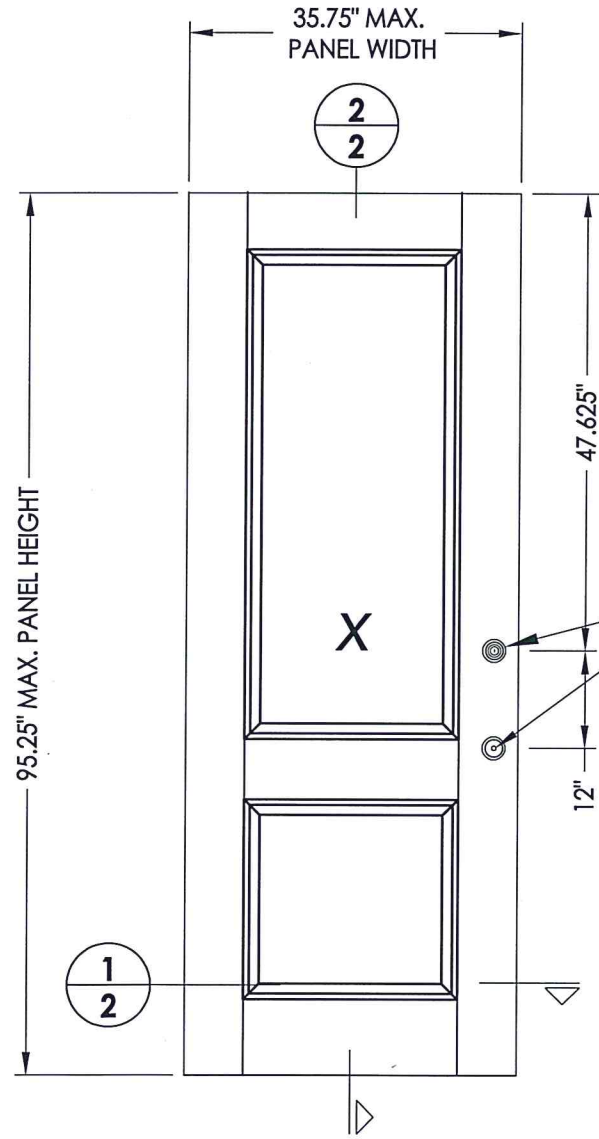
SEE SHEET 5 FOR TRIMLITE LITE FRAME DESIGN PRESSURE LIMITATIONS.

PRODUCT:	PLASTPRO INC FIBERGLASS DOOR
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
DATE:	11/29/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4286
SHEET	1 OF 13

R:\Clients\Plastpro, Inc PERMANENT\B - TD\TDI - DR 627 Opaque Fiberglass (Non-Impact)\C - Drawings\TX-4285-86.dwg, 2.4



**1**  
**2** HORIZONTAL CROSS SECTION

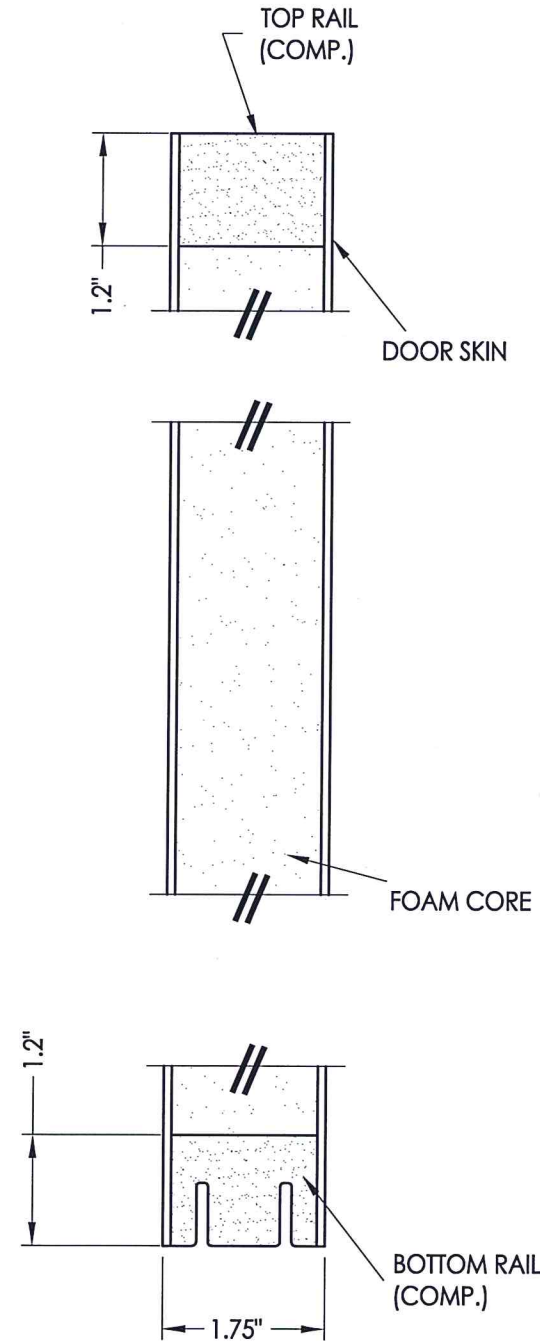


SEE HARDWARE TABLE

HARDWARE TABLE	
MANUFACTURER	MODEL
SCHLAGE	Knob: "F" SERIES
	DEADBOLT: "B" SERIES
KWIKSET	Knob: SIGNATURE SERIES
	DEADBOLT: SIGNATURE SERIES (780)

**40** DOOR PANEL  
Woodgrain / Smooth Skin Series

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



**2**  
**2** VERTICAL CROSS SECTION



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

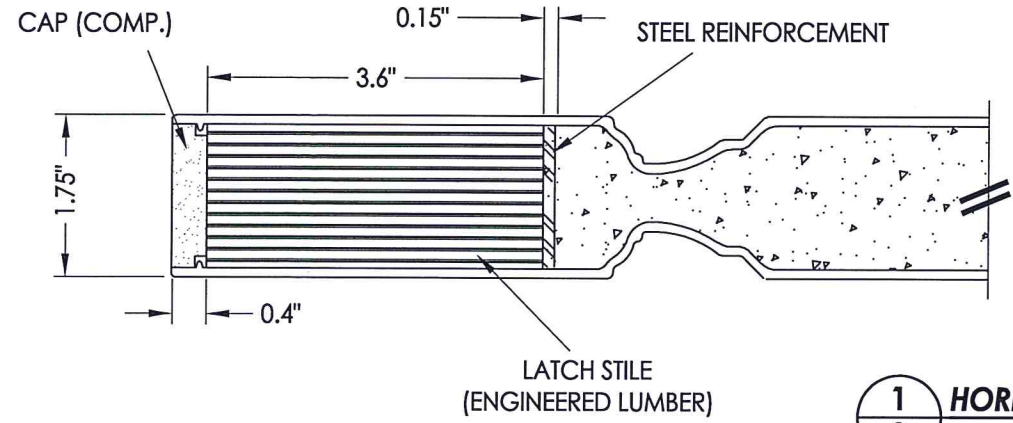
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL, 33595  
Phone No.: 813.659.9197  
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR  
PART OR ASSEMBLY: DOOR PANEL DETAILS

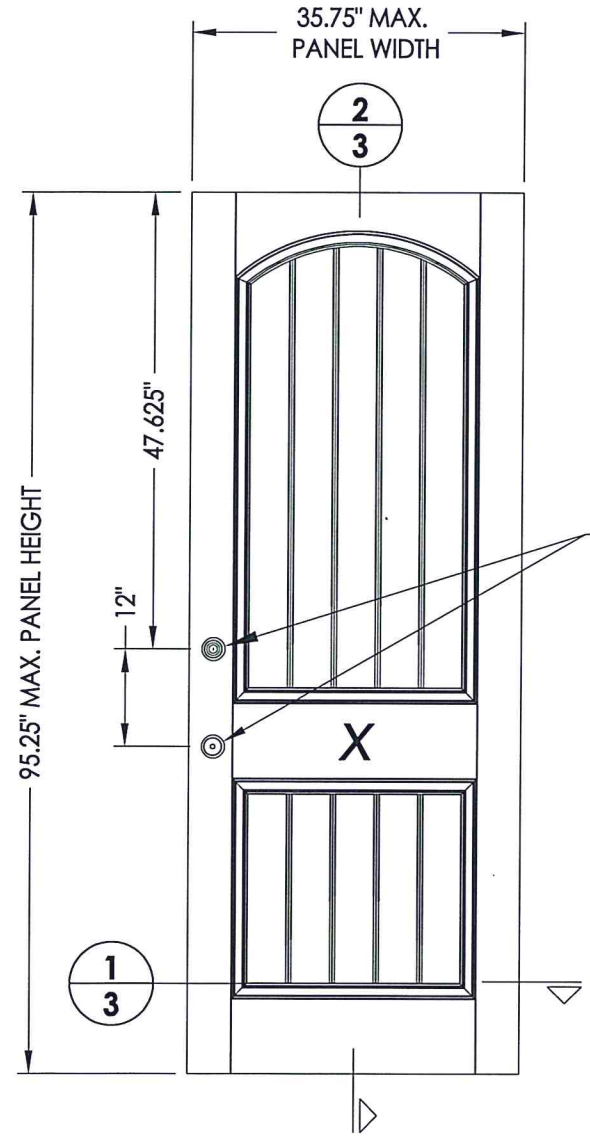
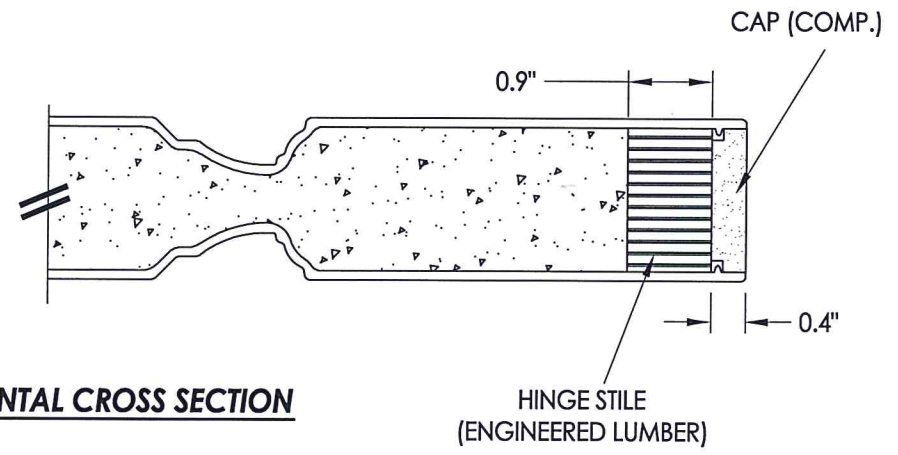
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2	5/26/20	LFS	UPDATE TO 2018 IBC/IRC CODE
1	4/27/16	LFS	ADDED TRIM/LITE FRAME

DATE: 11/29/12  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4286  
SHEET 2 of 13

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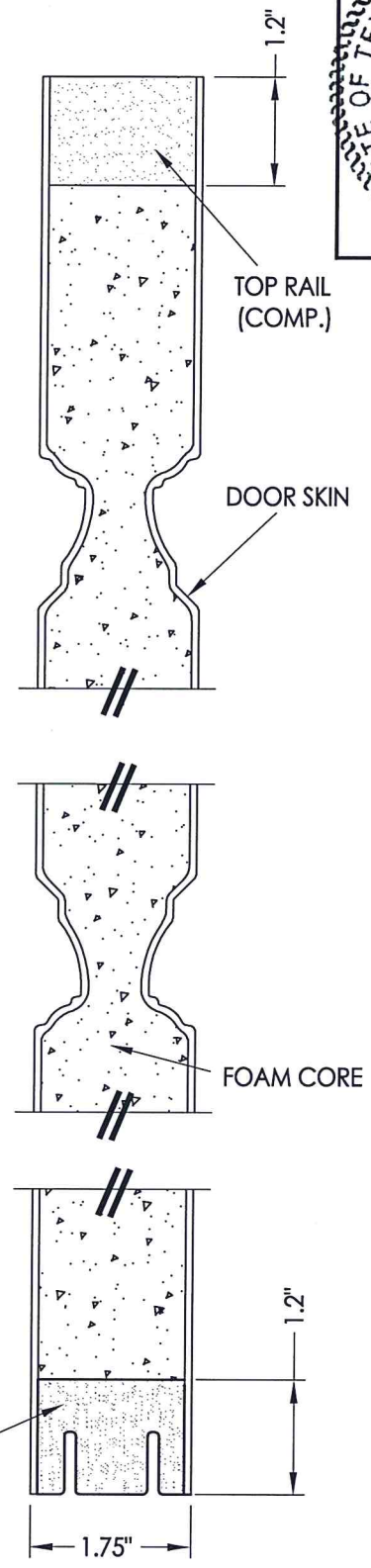


1  
3 HORIZONTAL CROSS SECTION



41 DOOR PANEL Rustic / Mahogany Series

HARDWARE TABLE	
MANUFACTURER	MODEL
SCHLAGE	KNOB: "F" SERIES
	DEADBOLT: "B" SERIES
KWIKSET	KNOB: SIGNATURE SERIES
	DEADBOLT: SIGNATURE SERIES (780)



2  
3 VERTICAL CROSS SECTION



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

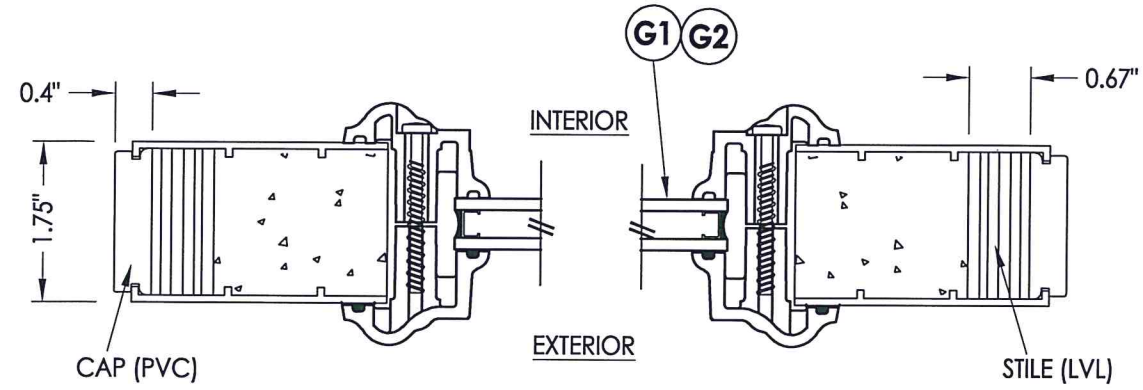
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR  
PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	REVISIONS
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1	4/27/16	ADDED TRIMLITE LITE FRAME
		LFS
		BY

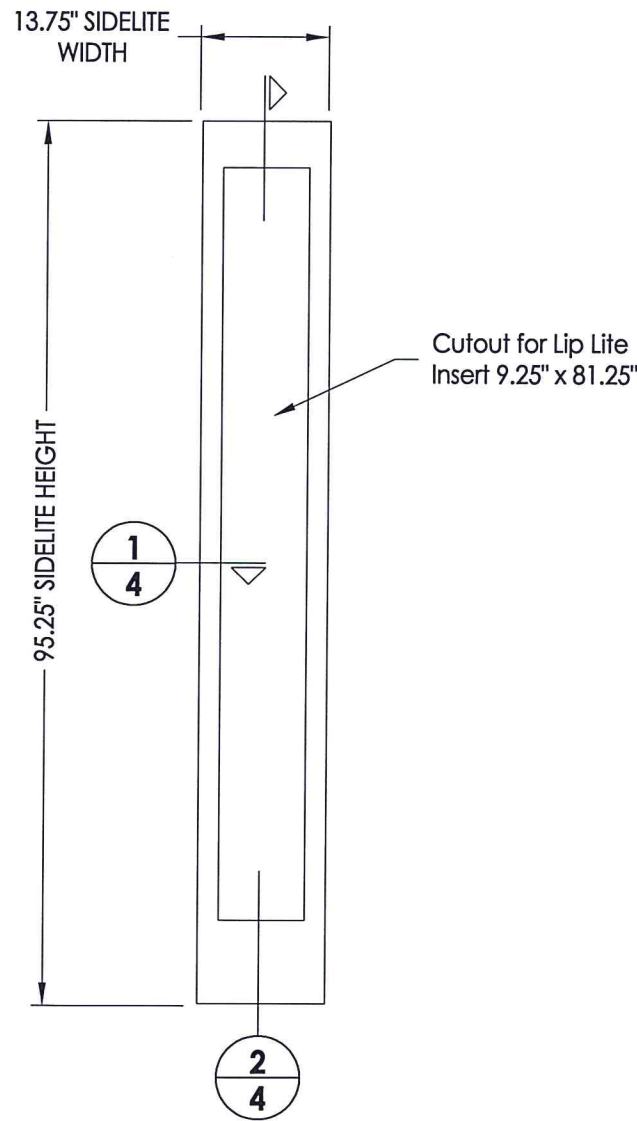
DATE: 11/29/12  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4286  
SHEET 3 of 13

FIBERGLASS DOOR SKIN: MIN. 0.100" THK.  
CORE MATERIAL: POLYURETHANE FOAM (1.9 PCF MIN.)

R:\Clients\Plastpro, Inc PERMANENT\B - TD\TDI - DR 627 Opaque Fiberglass (Non-Impact)\C - Drawings\TX-4285-86.dwg, 4.4

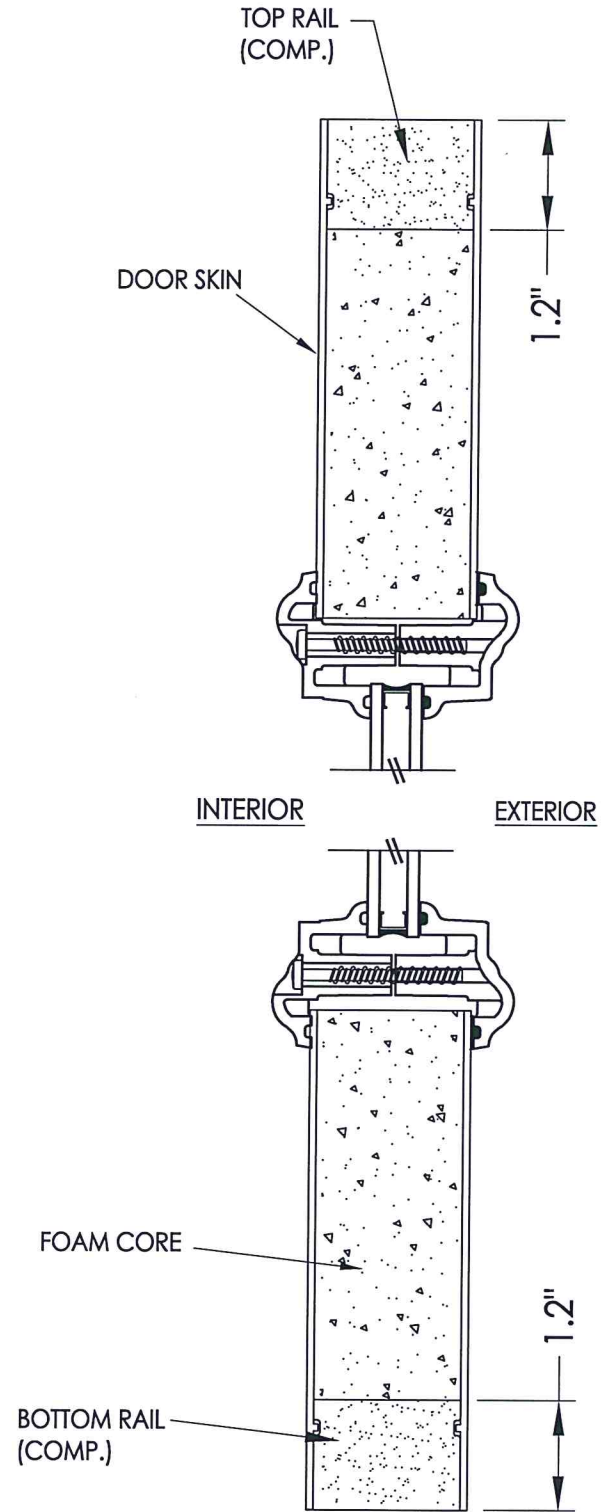


**1**  
**4** **HORIZONTAL CROSS SECTION**  
Shown w/ ODL Life Frame  
(Trimlite Life Frame Similar)

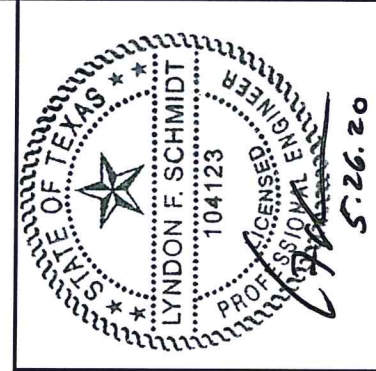


**50** **SIDELITE PANEL**  
Plastpro  
Fiberglass

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



**2**  
**4** **VERTICAL CROSS SECTION**



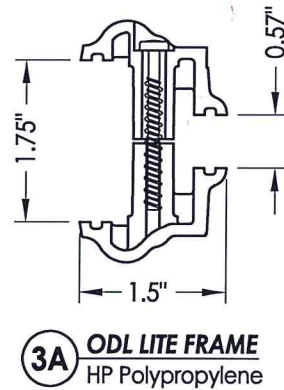
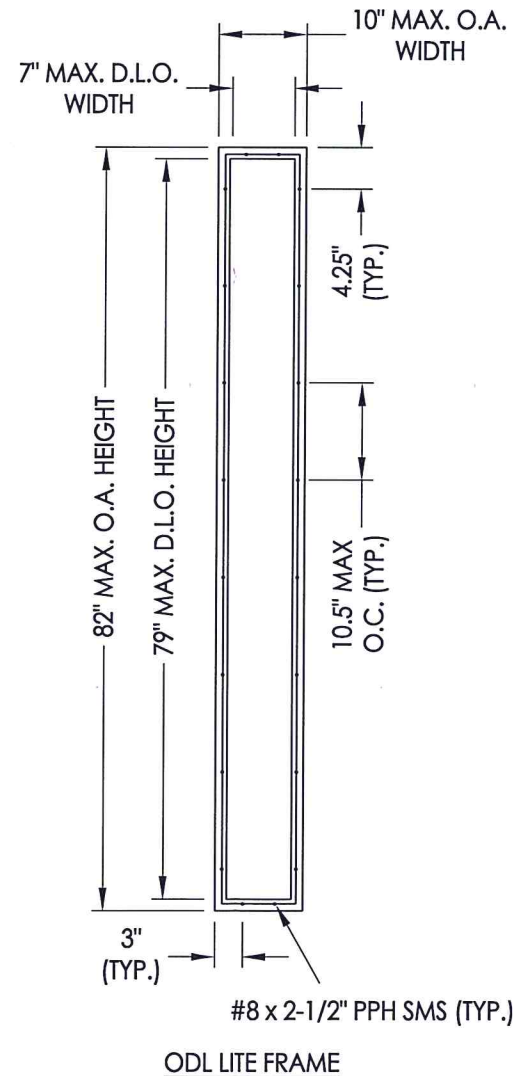
Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

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

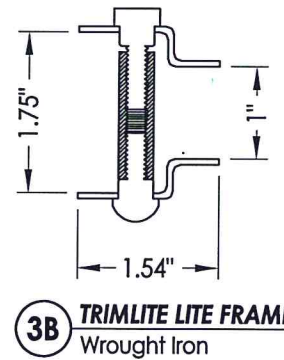
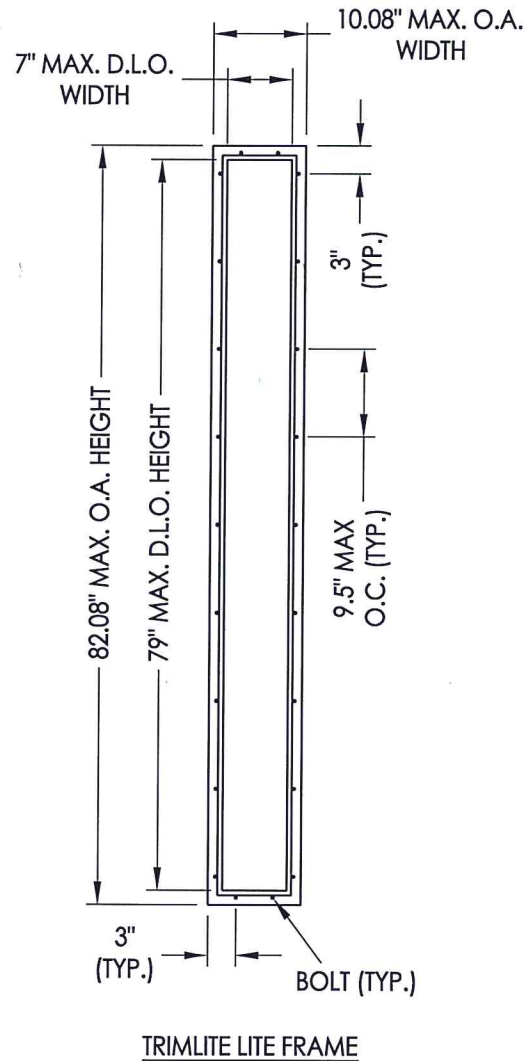
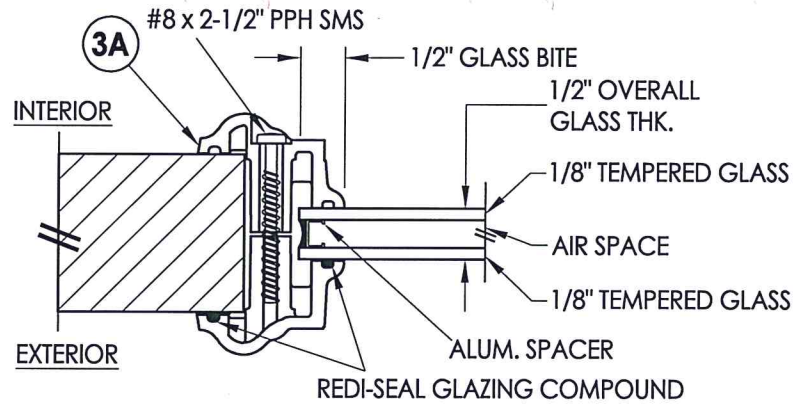
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		SIDELITE PANEL DETAILS	
		LFS	BY
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1	4/27/16	ADDED TRIMLITE LITE FRAME	
NO.	DATE		
REVISIONS			

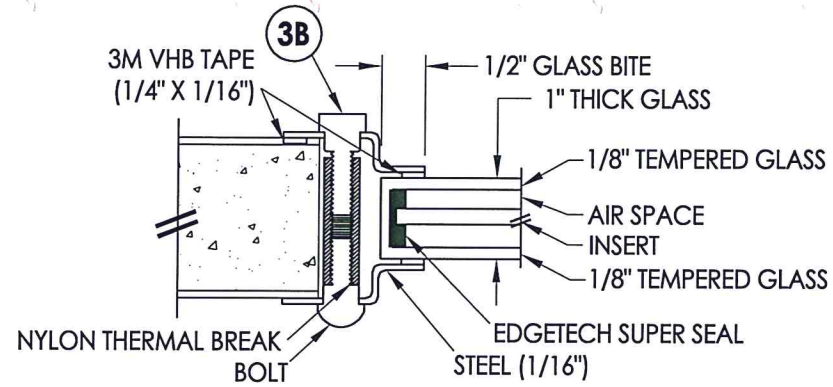
DATE:	11/29/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4286
SHEET	4 OF 13



**G1 GLAZING DETAIL**  
ODL LITE FRAME



**G2 GLAZING DETAIL**  
TRIMLITE LITE FRAME



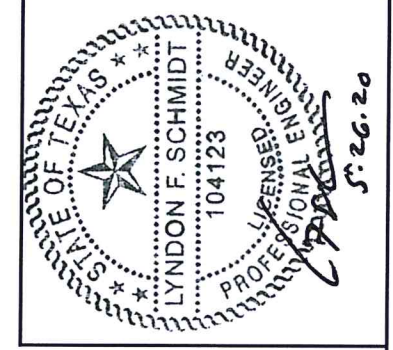
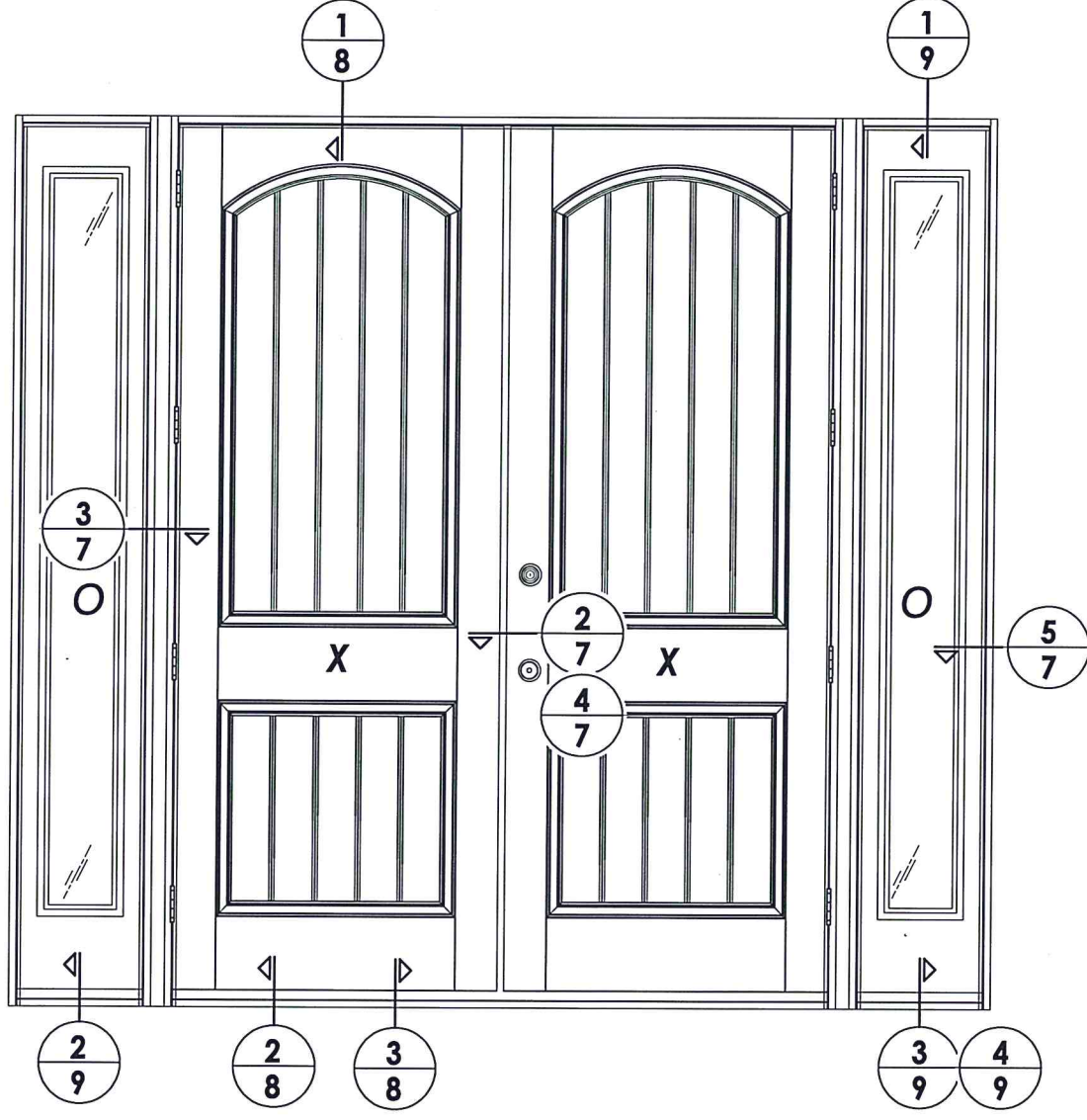
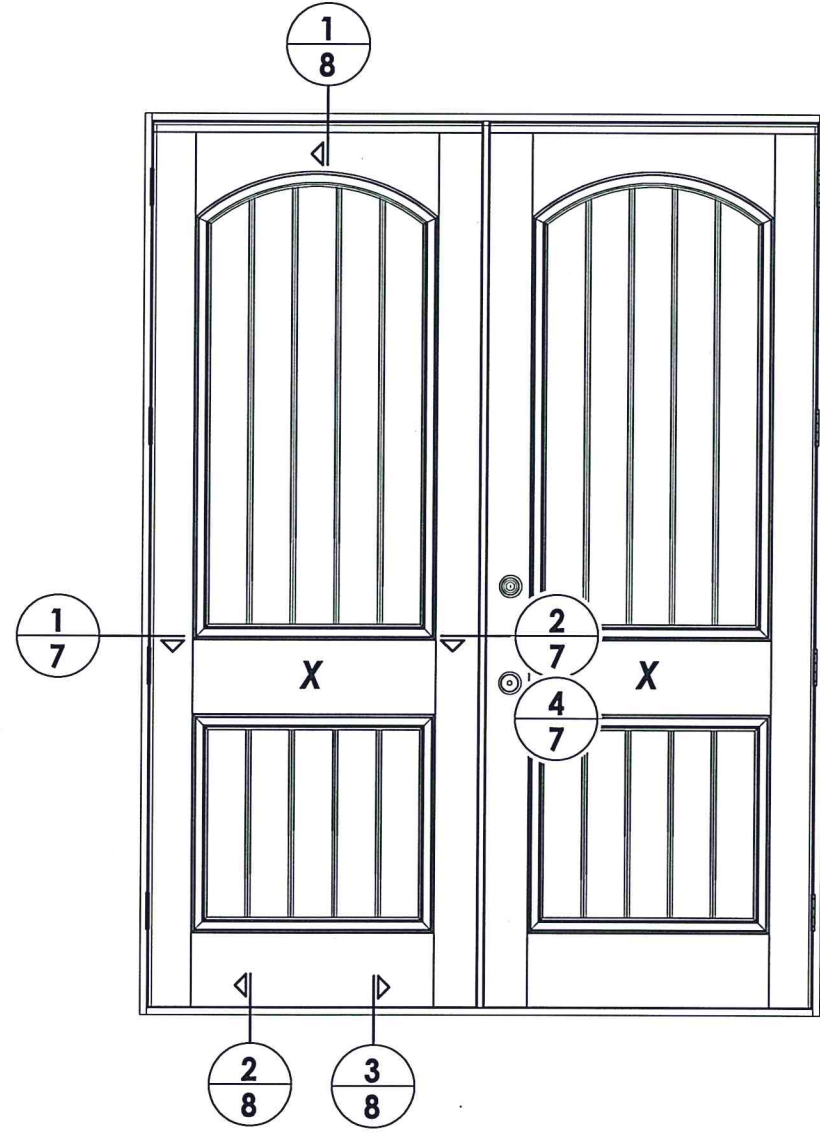
Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

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

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR  
PART OR ASSEMBLY: GLAZING DETAIL

NO.	DATE	BY	REVISIONS
2	5/26/20	LFS	UPDATE TO 2018 IBC/IRC CODE
1	4/27/16	LFS	ADDED TRIMLITE LITE FRAME

DATE: 11/29/12  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4286  
SHEET 5 OF 13



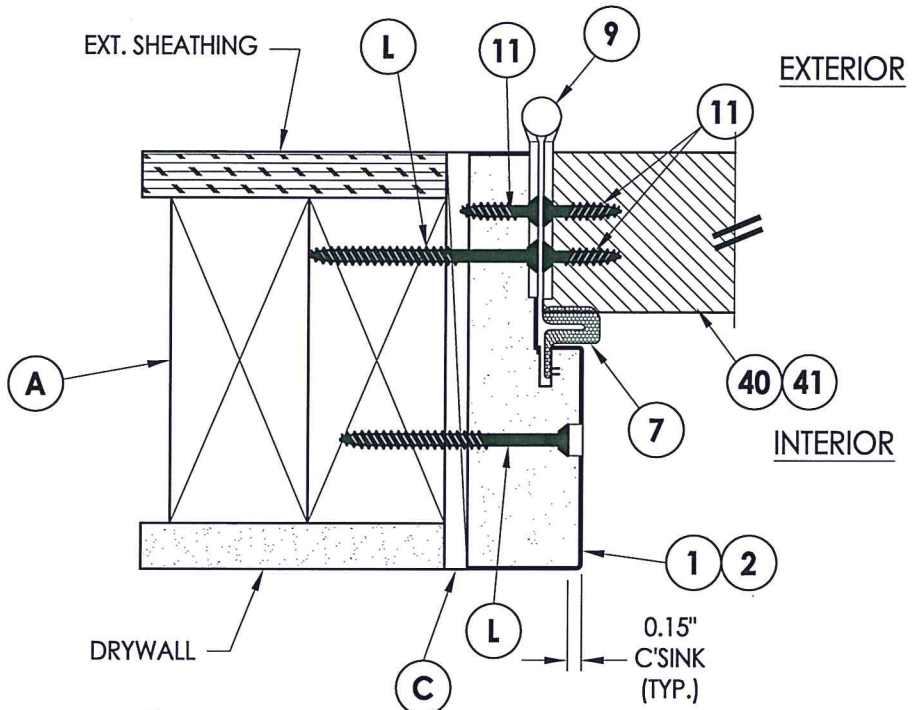
Documents Prepared By: Lyndon F. Schmidt, P.E.  
 TEXAS P.E. #104123

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

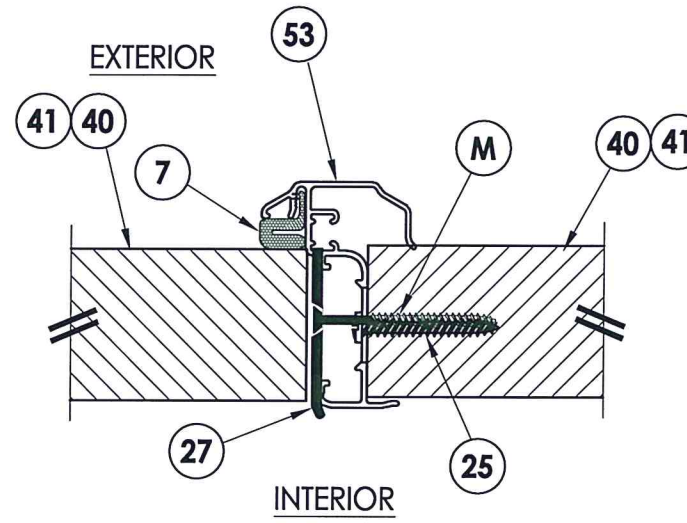
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		ELEVATIONS	
NO.	DATE	REVISIONS	BY
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1	4/27/16	ADDED TRIM/LITE FRAME	LFS

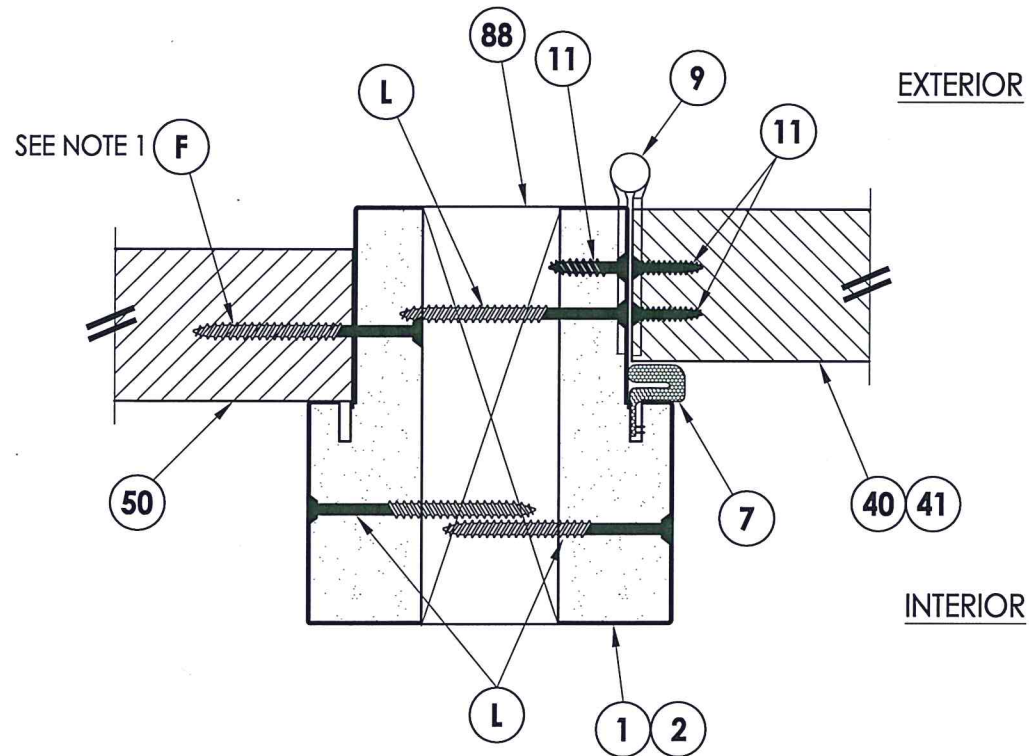
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 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: TX-4286  
 SHEET 6 OF 13



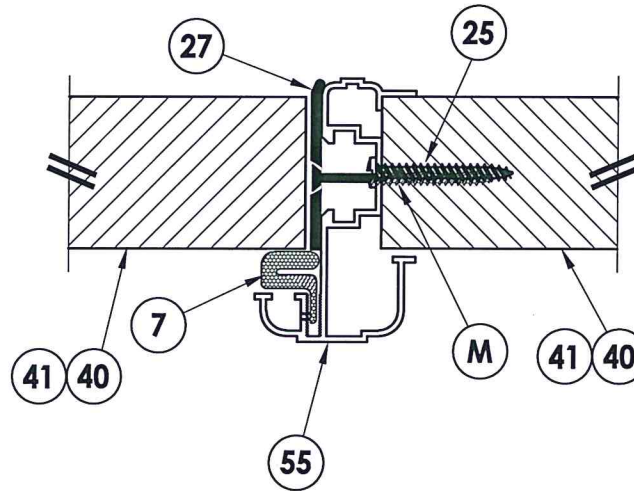
**1 HORIZONTAL CROSS SECTION**  
 7 Outswing shown - Inswing also approved



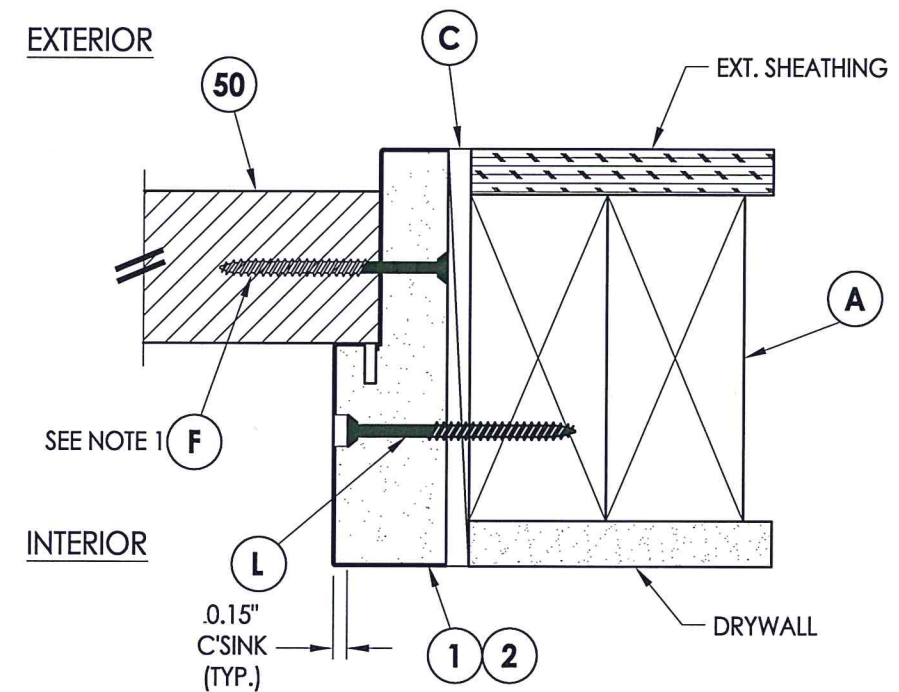
**2 HORIZONTAL CROSS SECTION**  
 7 Inswing shown - Outswing also approved



**3 HORIZONTAL CROSS SECTION**  
 7 Outswing shown - Inswing also approved

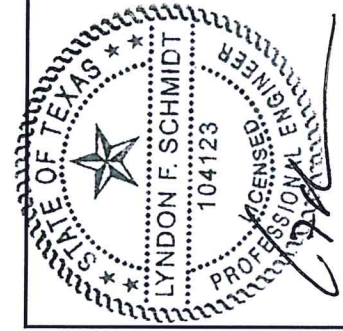


**4 HORIZONTAL CROSS SECTION**  
 7 Outswing shown - Inswing also approved



**5 HORIZONTAL CROSS SECTION**  
 7 Outswing shown - Inswing also approved

NOTE:  
 1. Spacing for item F: 6" from ends and 9 more equally spaced along sidelite (11 total).



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

PRODUCT:	PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS

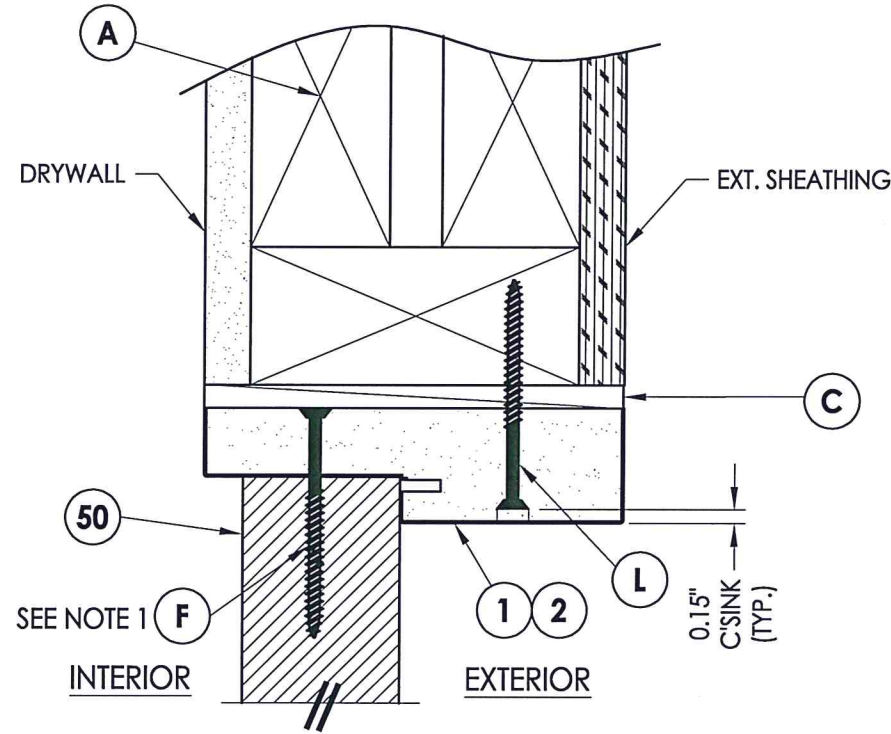
NO.	DATE	BY	REVISIONS
2	5/26/20	LFS	UPDATE TO 2018 IBC/IRC CODE
1	4/27/16	LFS	ADDED TRIMLITE LITE FRAME

DATE:	11/29/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4286
SHEET	7 OF 13

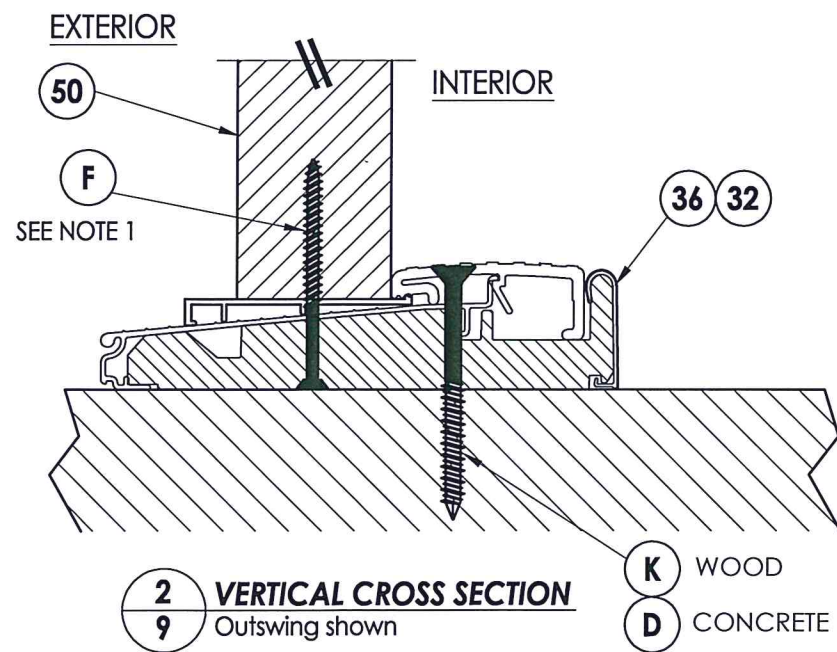




**NOTE:**  
1. Spacing for item F: 3" from each end.

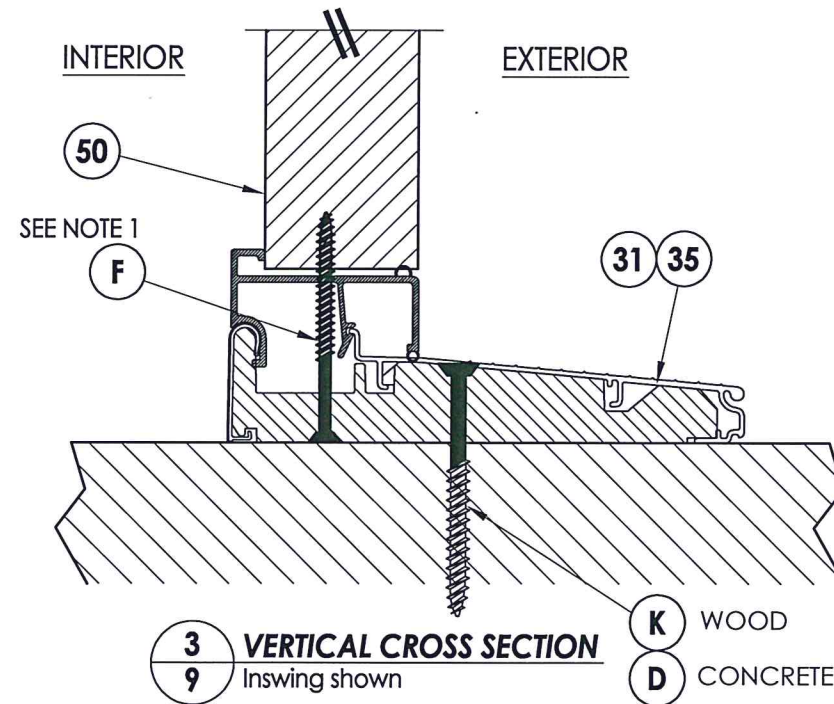


**1** VERTICAL CROSS SECTION  
**9** Inswing shown - Outswing also approved



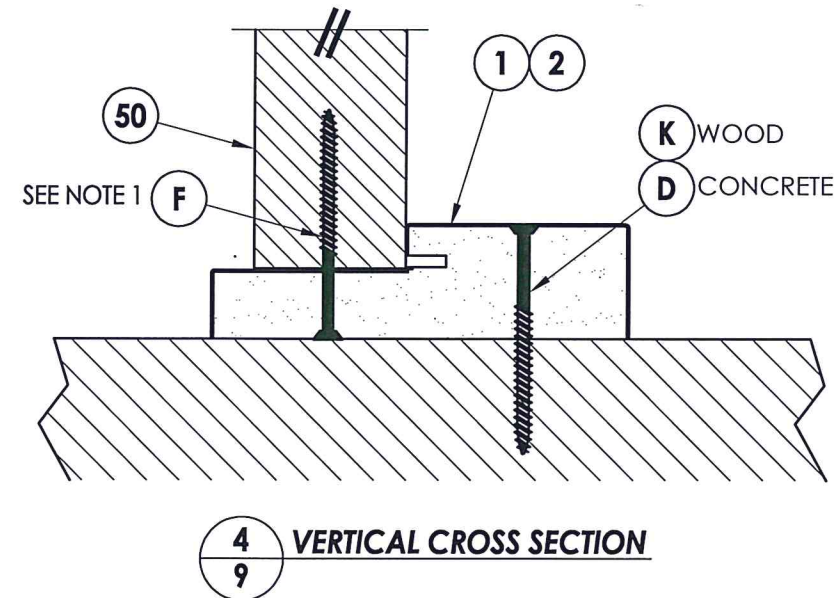
**2** VERTICAL CROSS SECTION  
**9** Outswing shown

**K** WOOD  
**D** CONCRETE



**3** VERTICAL CROSS SECTION  
**9** Inswing shown

**K** WOOD  
**D** CONCRETE



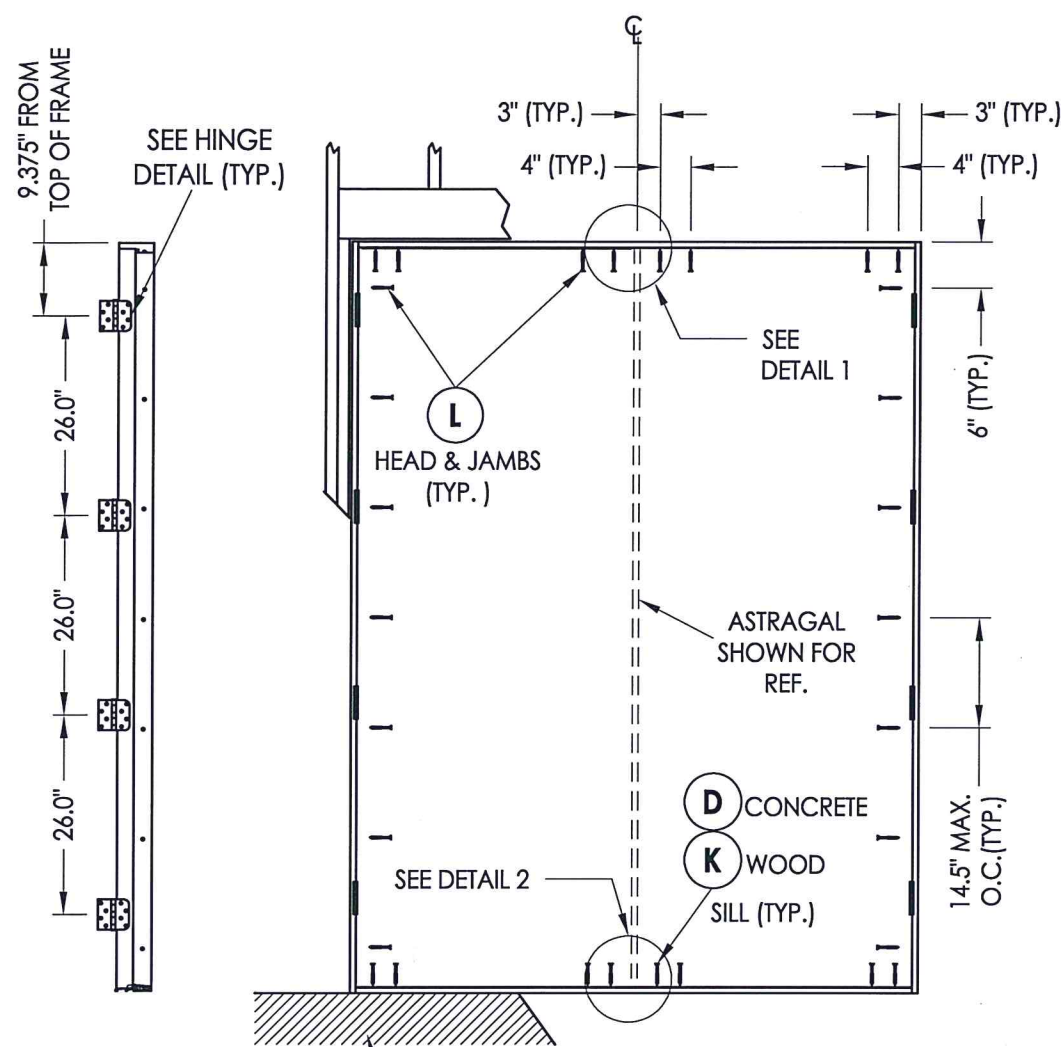
**4** VERTICAL CROSS SECTION  
**9**



Documents Prepared By: Lyndon F. Schmidt, P.E.  
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**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

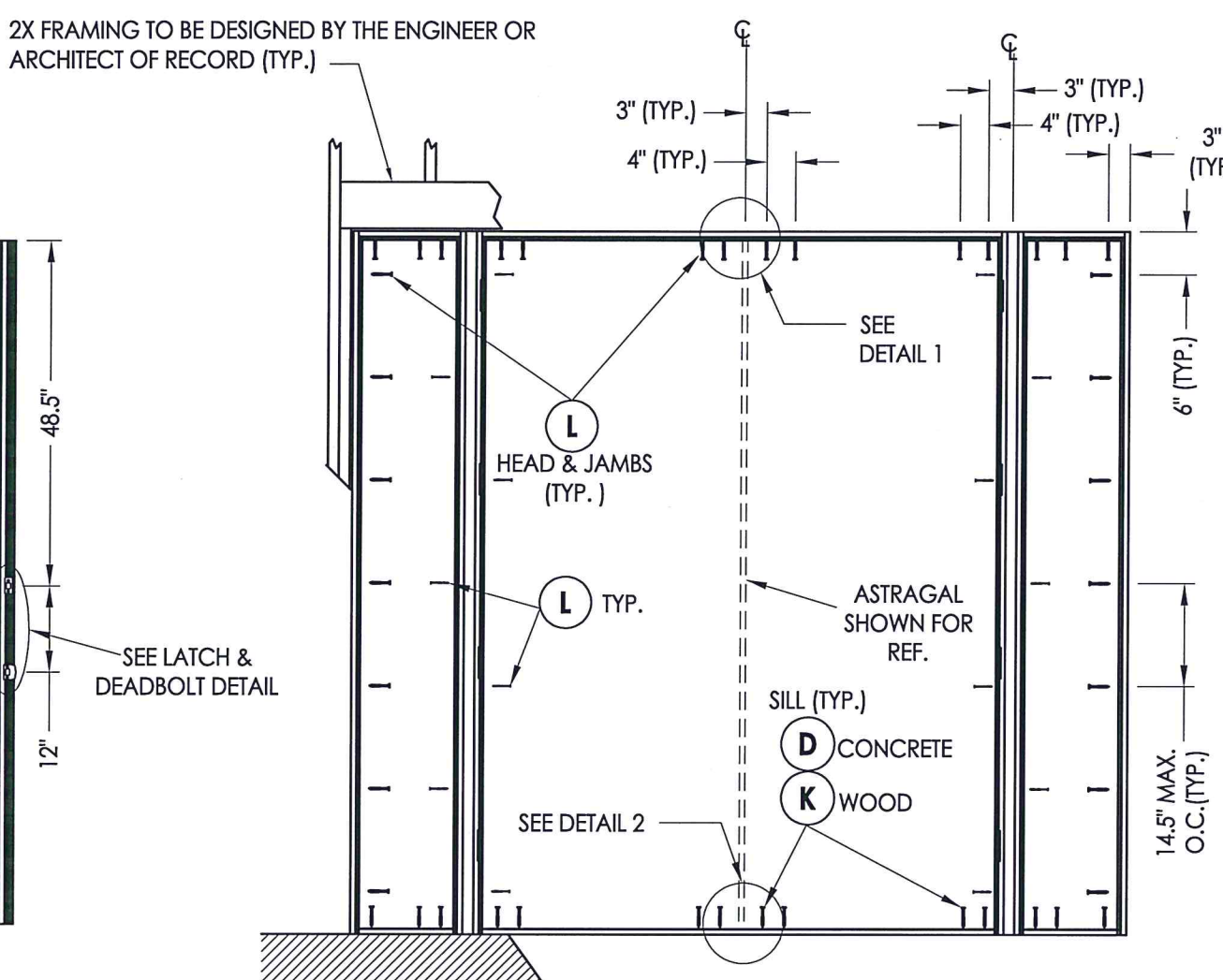
PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
2	5/26/20	LFS	UPDATE TO 2018 IBC/IRC CODE
1	4/27/16	LFS	ADDED TRIMLITE LITE FRAME
DATE: 11/29/12			
SCALE: N.T.S.			
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CHK. BY: LFS			
DRAWING NO.: TX-4286			
SHEET 9 OF 13			



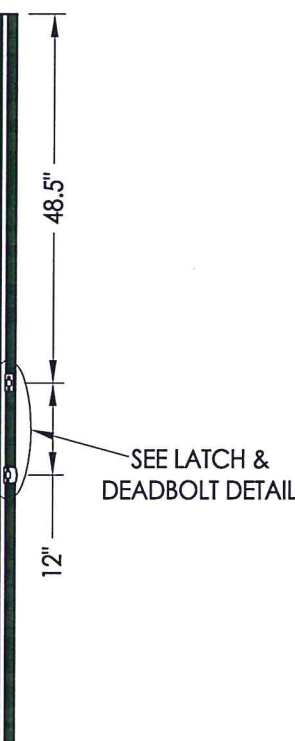
**HINGE JAMB**

**FRAME ANCHORING XX**

**ASTRAGAL**



**FRAME ANCHORING OXXO**

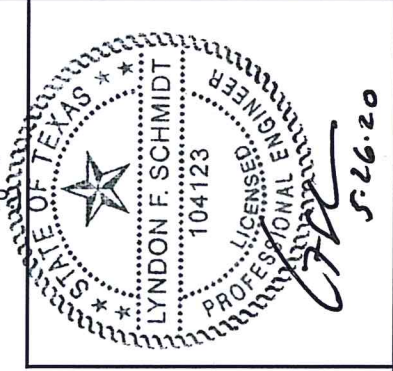
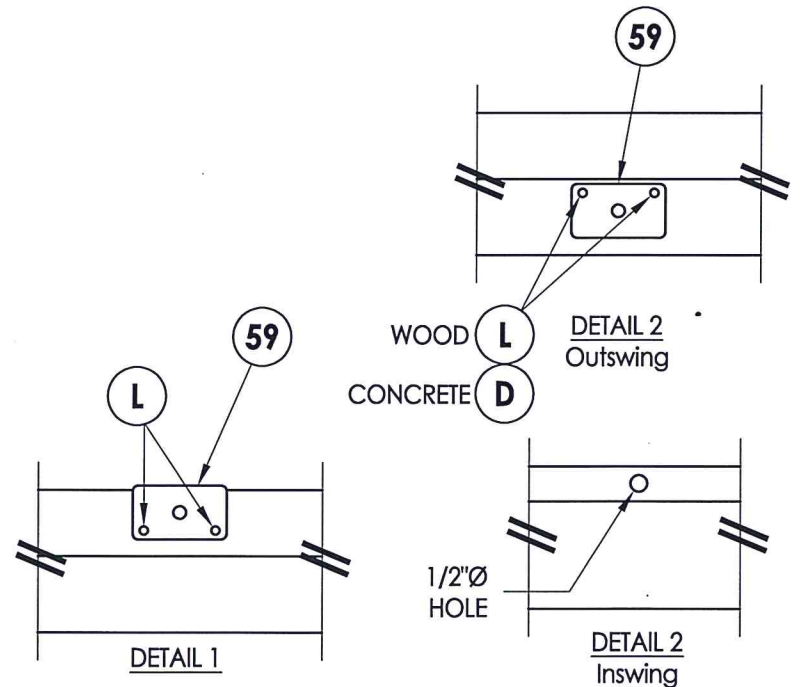
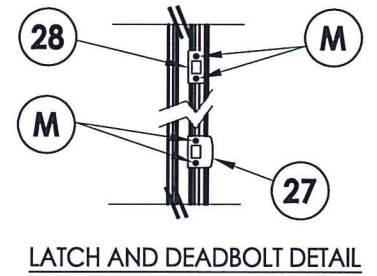
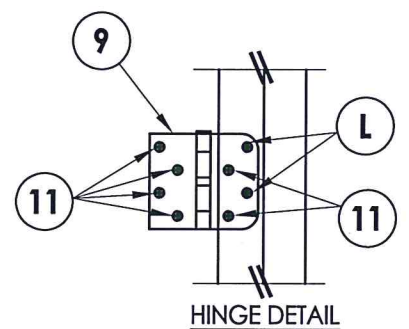


FLOOR SUBSTRATE MATERIAL (TYP.)  
 CONCRETE (MIN. 3000 PSI)  
 WOOD (S.G. >= 0.42)

**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"	1-3/4"	2-1/2"	3"
ELCO ULTRACON®	1/4"	1-3/4"	1"	3"



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

PRODUCT: PLASTPRO INC FIBERGLASS DOOR

PART OR ASSEMBLY: FRAME ANCHORING

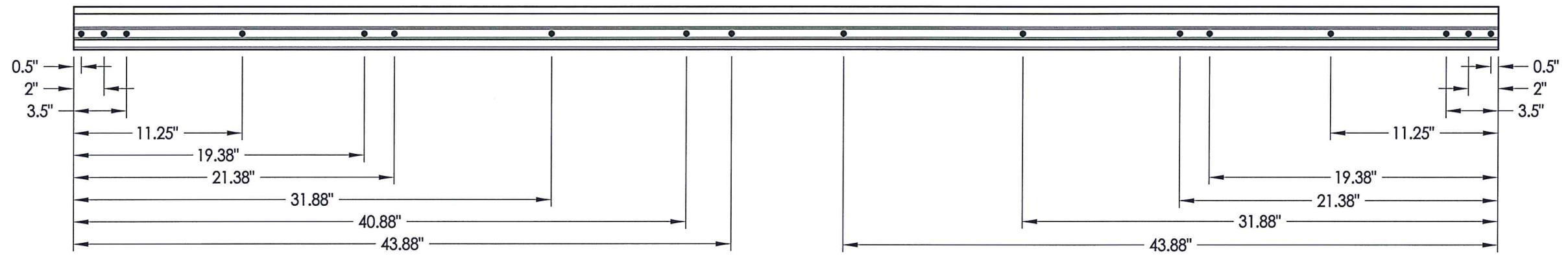
NO.	DATE	REVISIONS
2	5/26/20	UPDATE TO 2018 IBC/IRC CODE
1	4/27/16	ADDED TRIMLITE LITE FRAME
		BY

DATE: 11/29/12  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: TX-4286  
 SHEET 10 OF 13

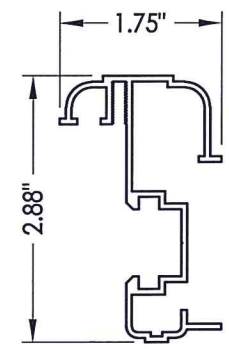


Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

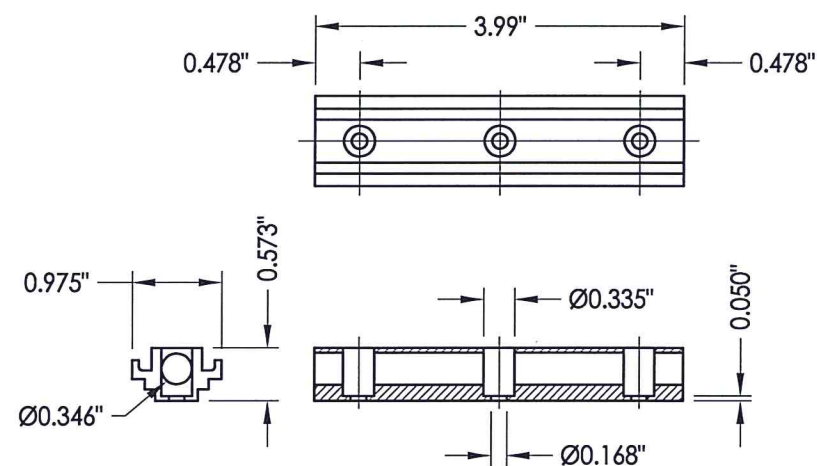
**R.W.** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL 33595  
Phone No.: 813.659.9197  
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852



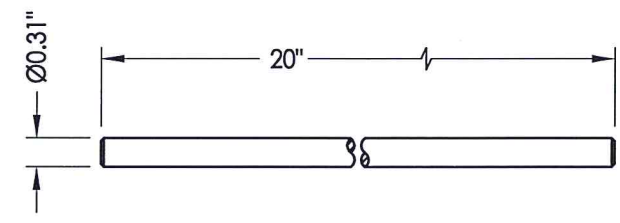
ASTRAGAL SCREW LOCATIONS



55 ASTRAGAL DLP



CONCEALED STIFFENER

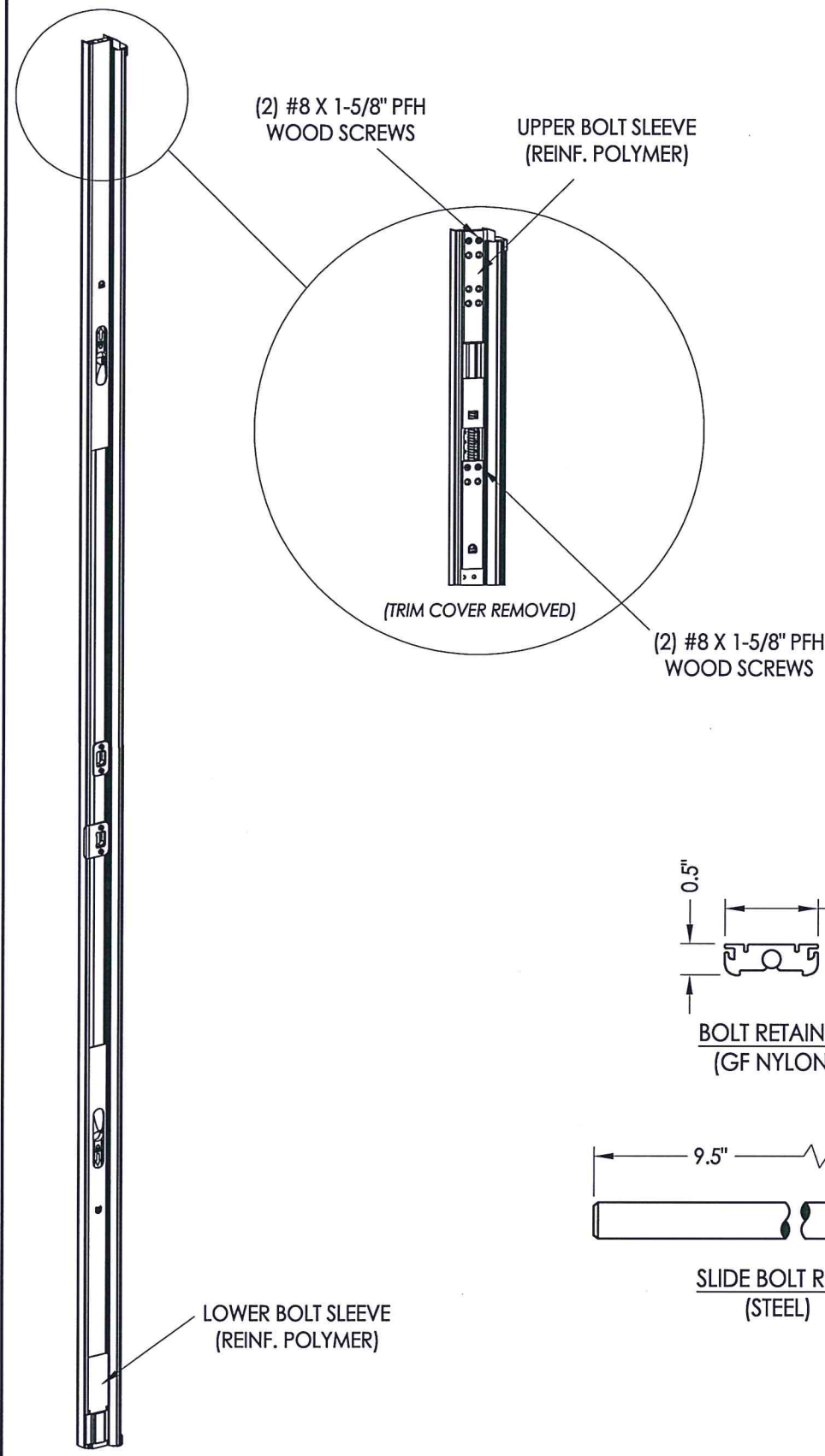


SLIDE BOLT ROD  
Typ. top & bottom of astragal  
top through 2", bottom through 2"

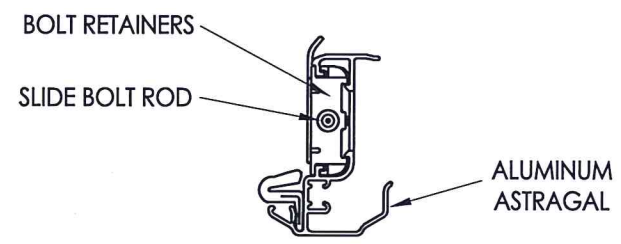
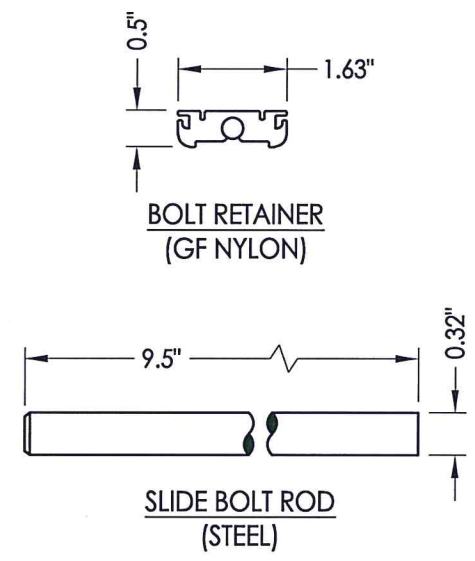
PRODUCT:	PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY:	ASTRAGAL DETAILS (DLP)

NO.	DATE	REVISIONS
2	5/26/20	UPDATE TO 2018 IBC/IRC CODE
1	4/27/16	ADDED TRIMLITE LITE FRAME
		LFS
		BY

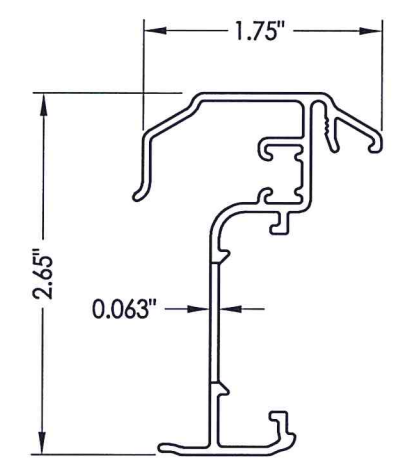
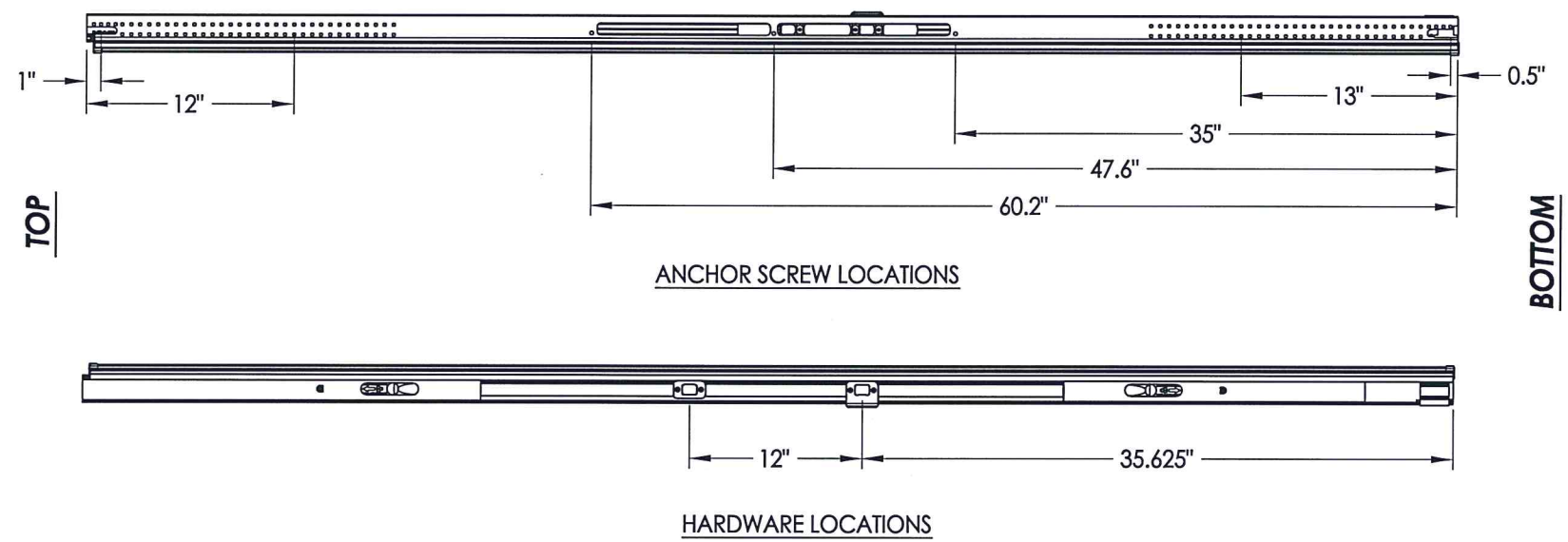
DATE:	11/29/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4286
SHEET	11 of 13



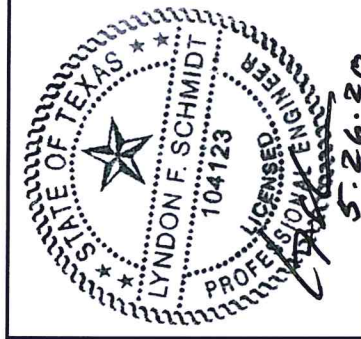
**ULTIMATE HURRICANE ASTRAGAL**



**ALUMINUM ASTRAGAL ASSEMBLY**



**ASTRAGAL SECTION**



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

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR

PART OR ASSEMBLY: ASTRAGAL DETAILS (ENDURA)

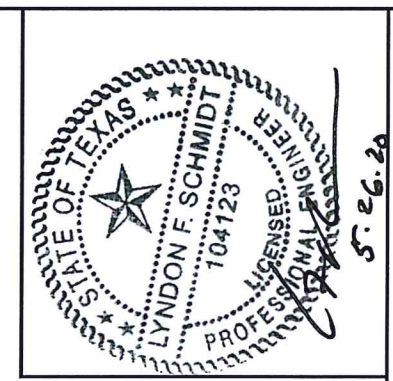
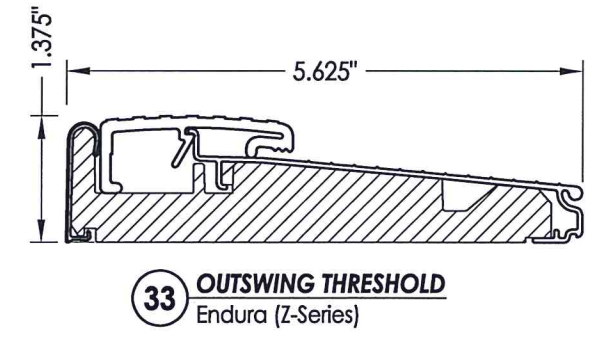
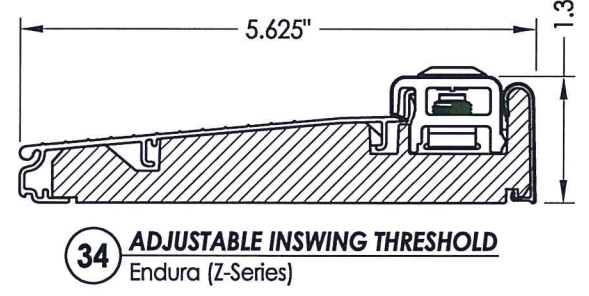
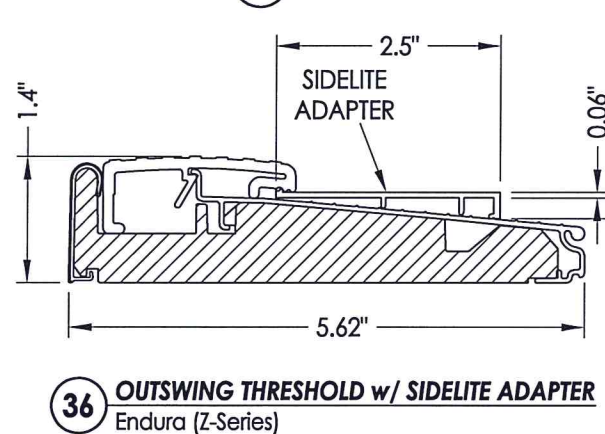
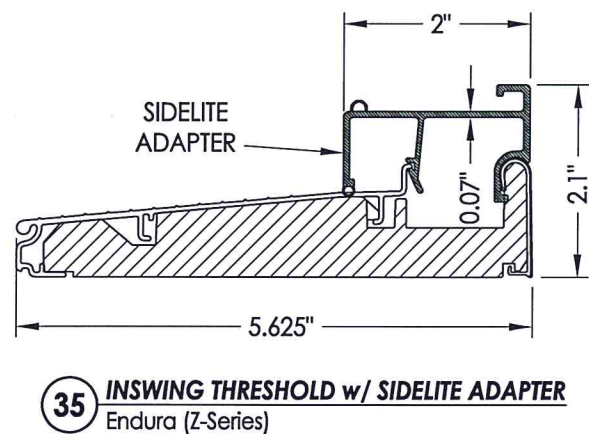
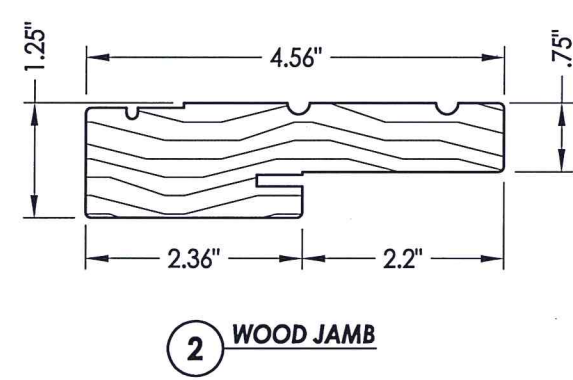
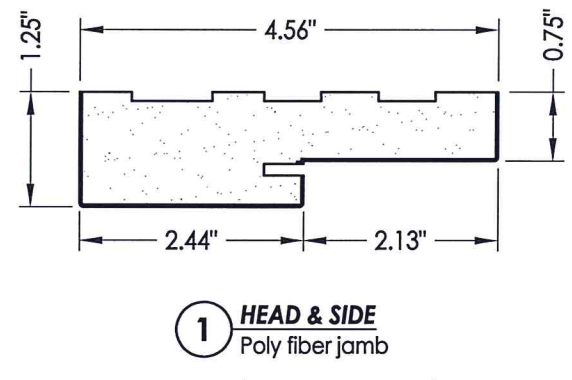
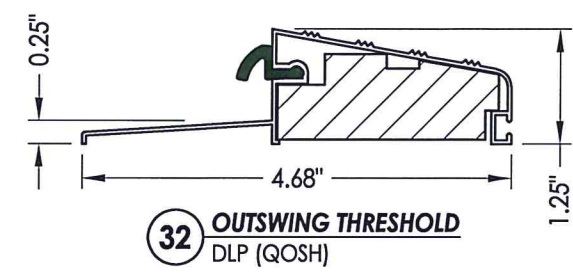
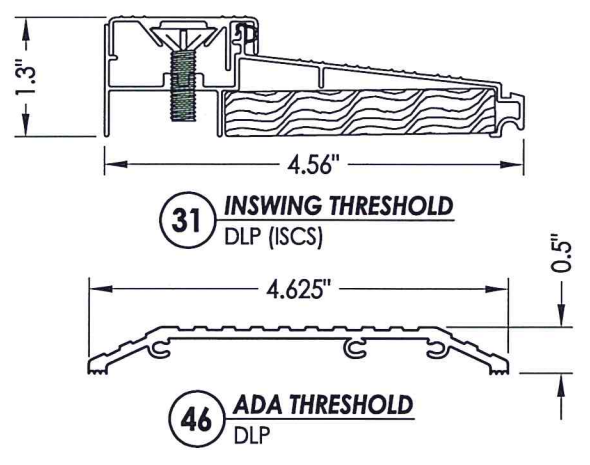
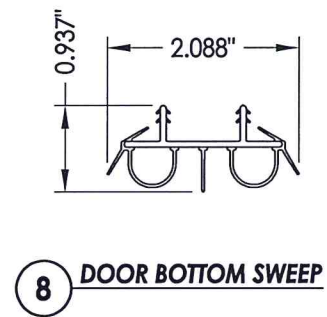
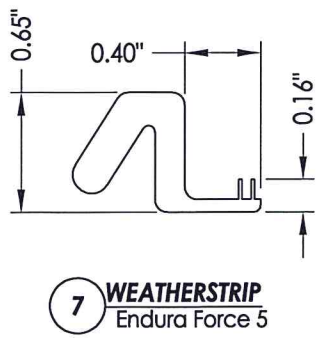
NO.	DATE	BY	REVISIONS
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1	4/27/16	LFS	ADDED TRIMLITE LITE FRAME

DATE: 11/29/12  
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DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4286  
SHEET 12 OF 13

R:\Clients\Plastpro, Inc PERMANENT\B - TD\I\DI - DR 627 Opaque Fiberglass (Non-Impact)\C - Drawings\TX-4285-86.dwg, 13.4

**BILL OF MATERIALS**

ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" ELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
F	#9 X 2-1/2" PFH WOOD SCREW	STEEL
K	#10 X 3" PFH WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	#8 X 2" PFH WOOD SCREW	STEEL
1	POLY FIBER JAMB	POLY FIBER
2	FINGER JOINTED PINE JAMB	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR BOTTOM SWEEP	VINYL
9	4" X 4" BUTT HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
25	#10 X 1-1/2" PH SMS	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
31	INSWING ADJUSTABLE THRESHOLD	ALUM / WOOD
32	OUTSWING THRESHOLD	ALUM / WOOD
33	OUTSWING THRESHOLD	ALUM / COMP
34	INSWING ADJUSTABLE THRESHOLD	ALUM / COMP
35	INSWING ADJUSTABLE THRESHOLD w/ SIDELITE ADAPTER	ALUM / COMP
36	OUTSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM / COMP
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
41	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
46	ADA THRESHOLD	ALUM
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
53	ASTRAGAL (Endura Products)	ALUM
55	ASTRAGAL (DLP)	ALUM
59	ASTRAGAL STRIKE PLATE	STEEL
88	2X REINFORCEMENT (G >= 0.55)	WOOD



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

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR

PART OR ASSEMBLY: BILL OF MATERIALS AND COMPONENTS

NO.	DATE	BY	REVISIONS
2	5/26/20	LFS	UPDATE TO 2018 IBC/IRC CODE
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SHEET 13 OF 13