plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

Rustic/Mahogany/Woodgrain/Smooth Skin Series
Smooth Skin Series Fiberglass Double Door
w/ & w/out Sidelite(s)
INSWING / OUTSWING
"NON-IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

The Plastpro Fiberglass Door described herein complies with the 2006 International Residential Code (IRC), Sections R301 & R613 and the 2006 International Building Code (IBC), Sections 1405.12, 1609, 1714.5, 2403 and 2404 (including Texas revisions) 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.

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11	Frame anchoring
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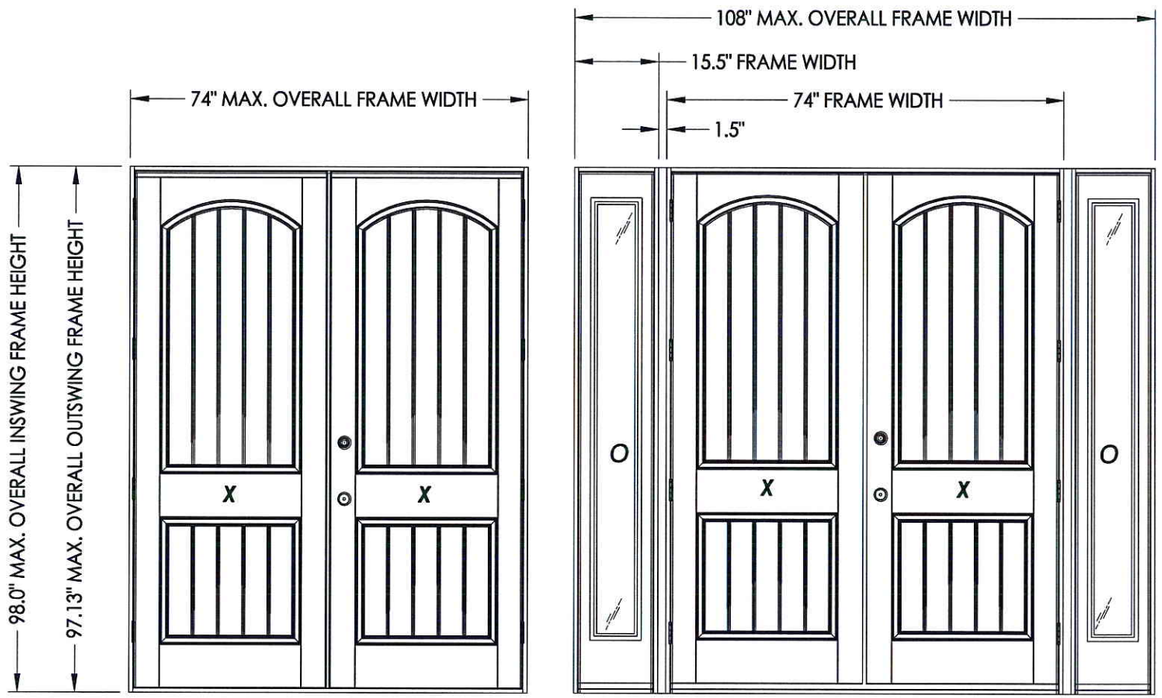
13	Astragal detail
14	Bill of materials and components



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	+47.0	-50.0	+47.0	-47.0
OXXO	108.0" x 98.0"	6.75" X 78.75"	+47.0	-50.0	+47.0	-47.0

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
12.5.12

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: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	BY	REVISIONS

DATE: 11/29/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4286
SHEET 1 OF 13

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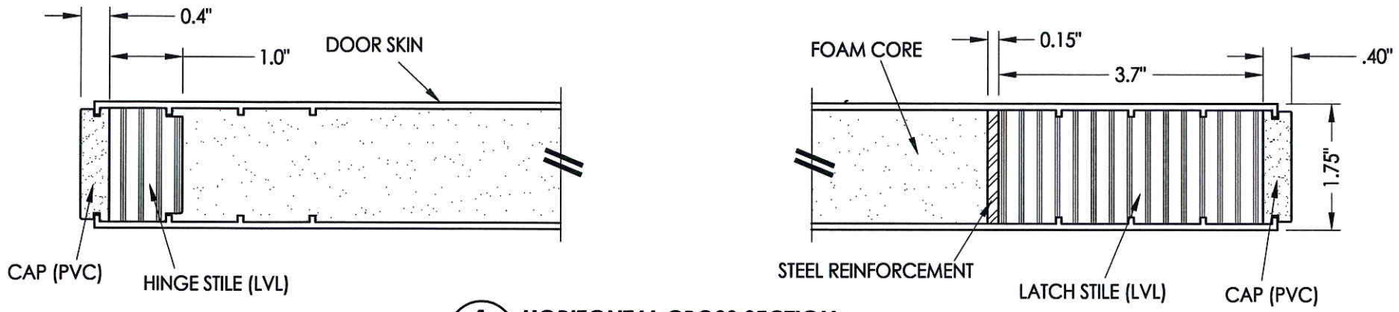
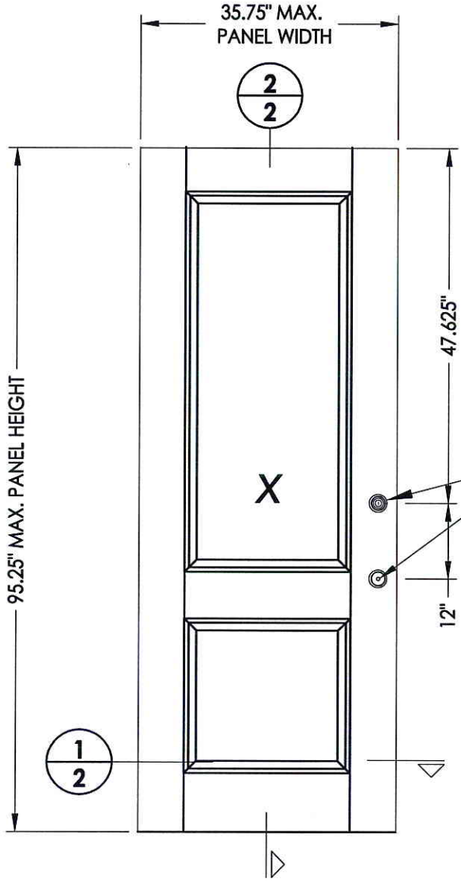


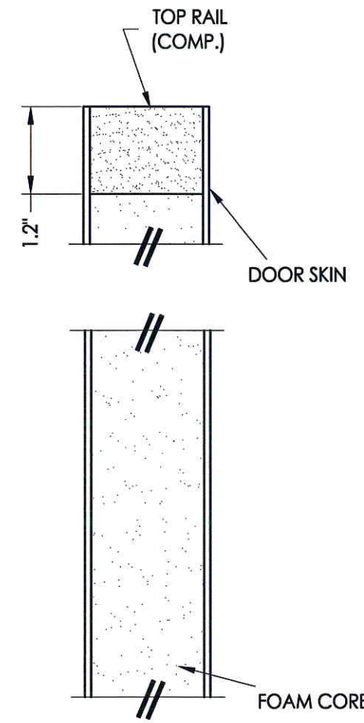
1/2 HORIZONTAL CROSS SECTION

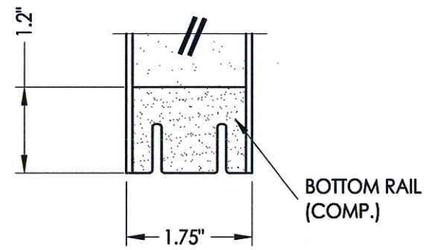


40 DOOR PANEL
Woodgrain / Smooth Skin Series

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

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





2/2 VERTICAL CROSS SECTION

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

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR

PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	BY	REVISIONS

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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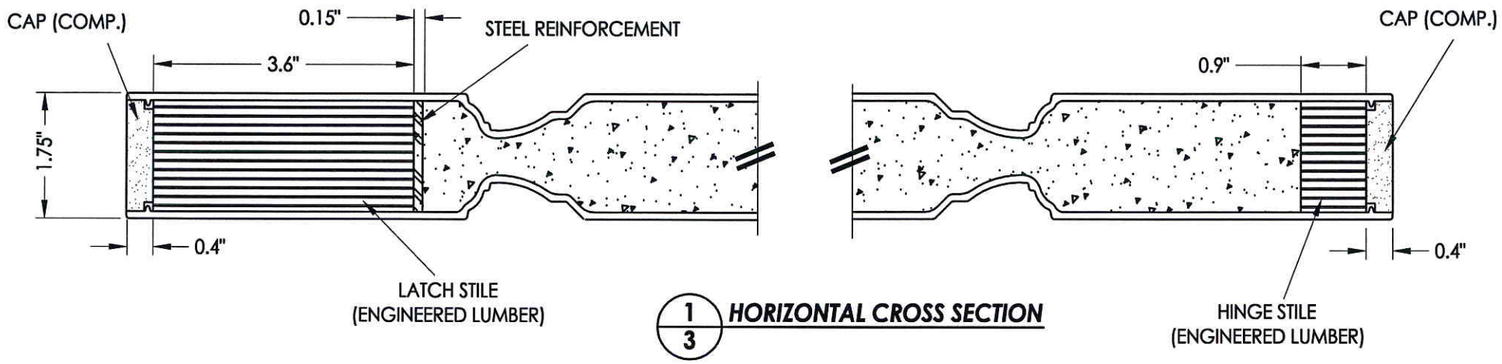
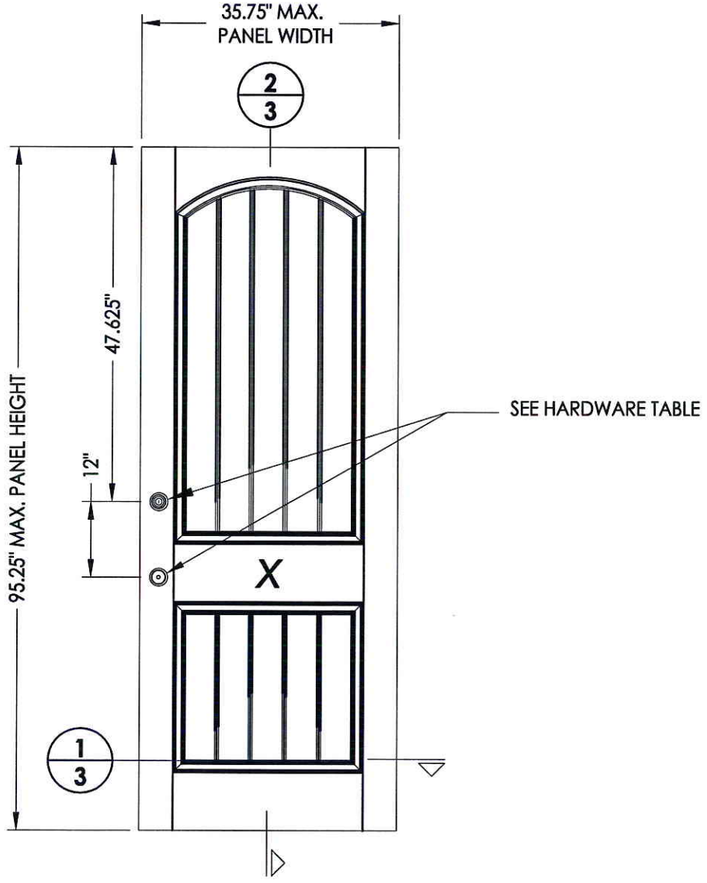
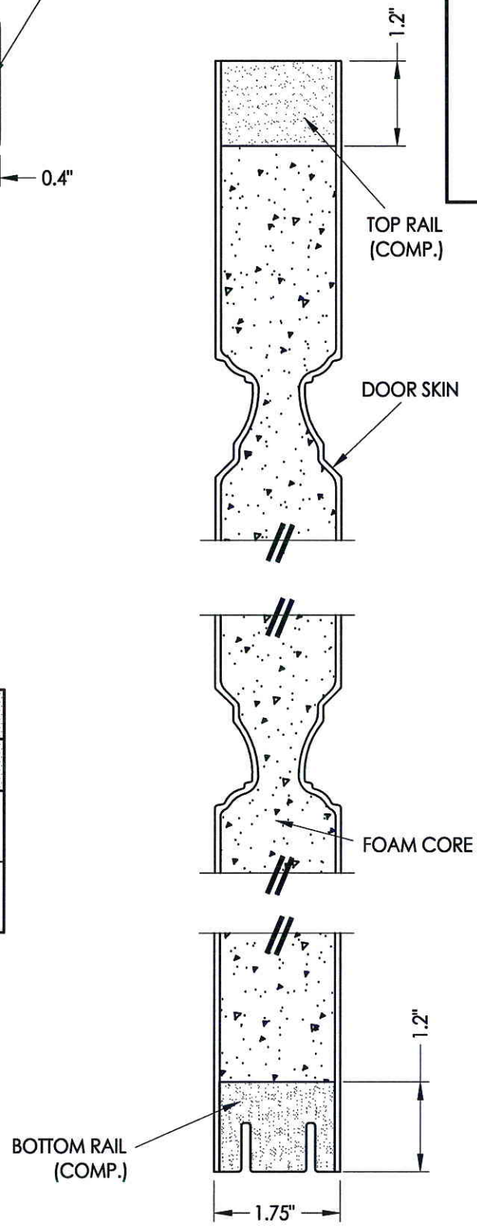


1/3 **HORIZONTAL CROSS SECTION**



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**

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

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STATE OF TEXAS · LYNDON F. SCHMIDT · 104123 · LICENSED PROFESSIONAL ENGINEER

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR

PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	BY
REVISIONS		

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

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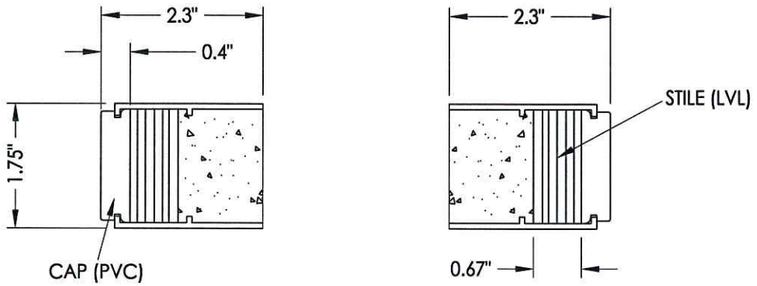
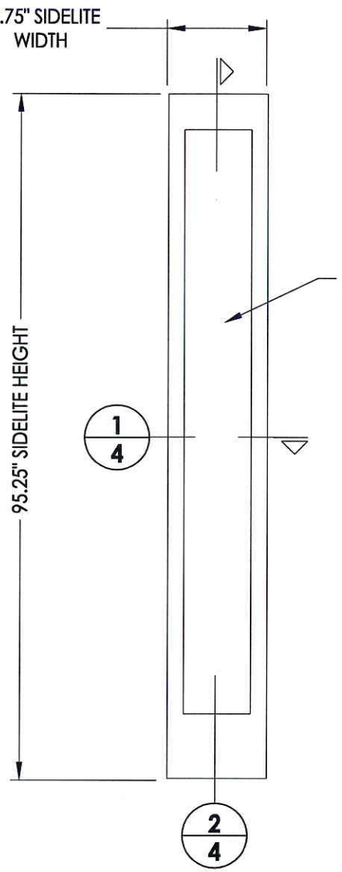
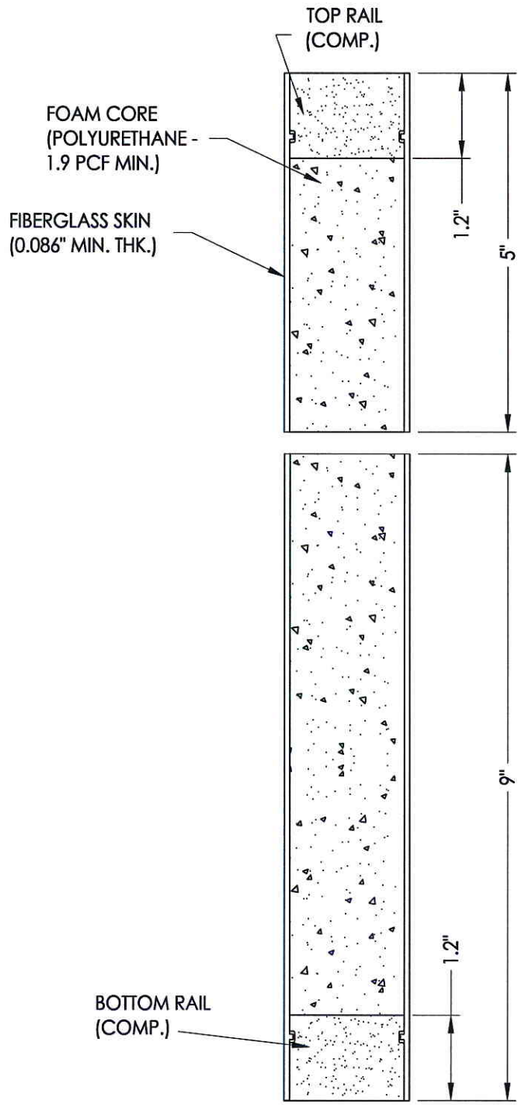


1/4 **HORIZONTAL CROSS SECTION**



50 **SIDELITE PANEL**
Plastpro
Fiberglass



2/4 **VERTICAL CROSS SECTION**

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: *PLASTPRO INC. FIBERGLASS DOOR*

PART OR ASSEMBLY: *SIDELITE PANEL DETAILS*

NO.	DATE	BY
REVISIONS		

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

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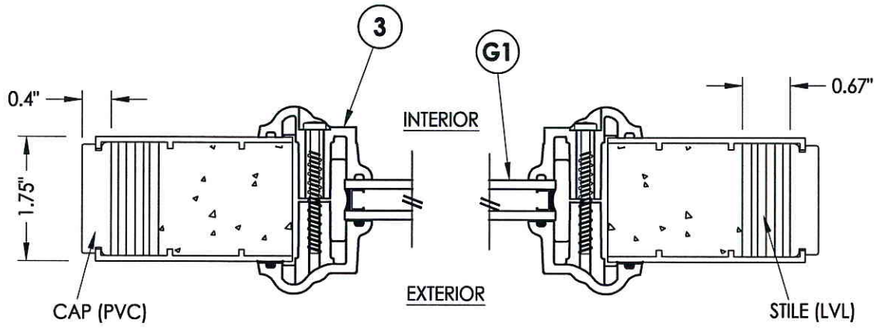
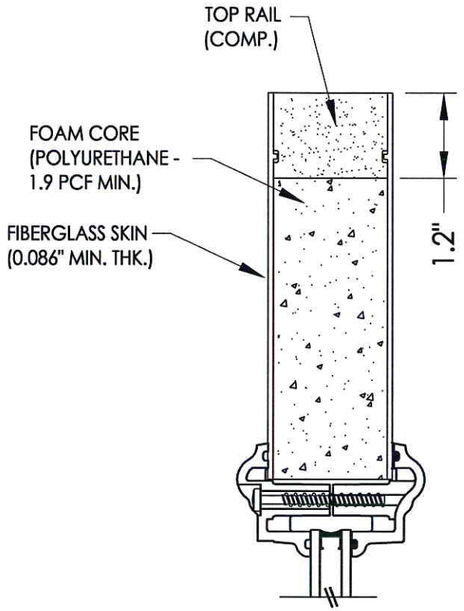
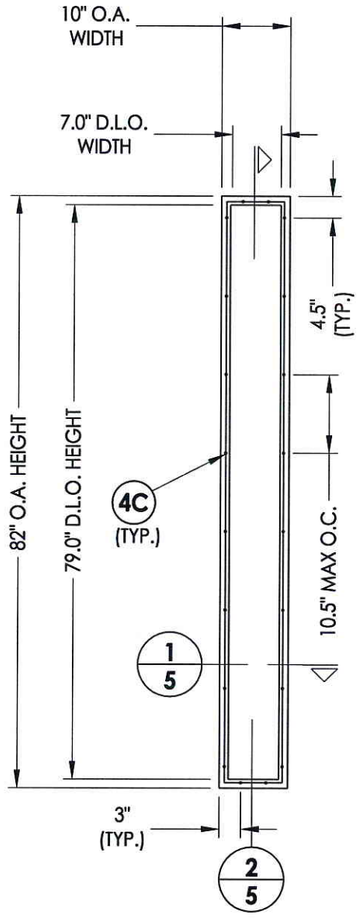
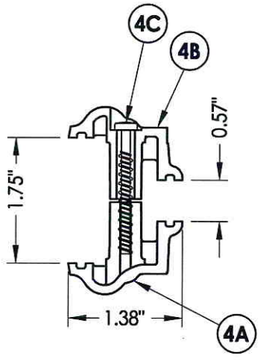


1/5 **HORIZONTAL CROSS SECTION**

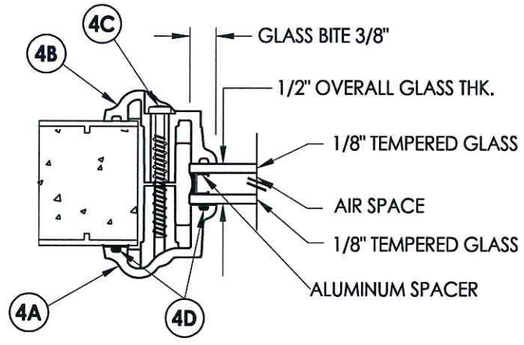




60 **ODL LITE FRAME**
NON-IMPACT
HP POLYPROPYLENE

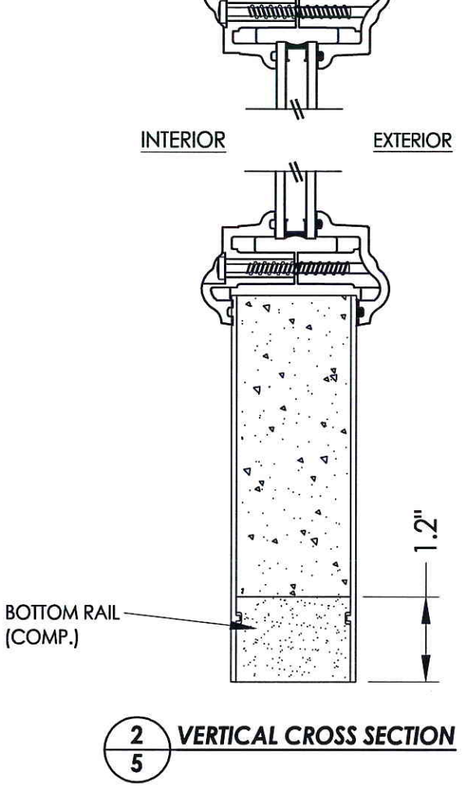


ODL LITE FRAME CROSS SECTION

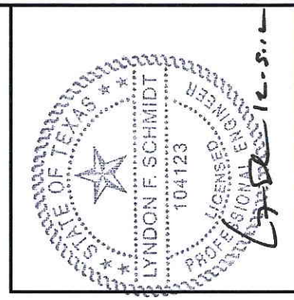


G1 **GLAZING DETAIL**

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
4A	EXTERIOR FRAME	ALUM.
4B	INTERIOR FRAME	ALUM.
4C	#8 X 1-1/2" PPH SMS	STEEL
4D	NON-STRUCTURAL BACKBEDDING SEALANT	HOT MELT



2/5 **VERTICAL CROSS SECTION**



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

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

NO.	DATE	BY	REVISIONS

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

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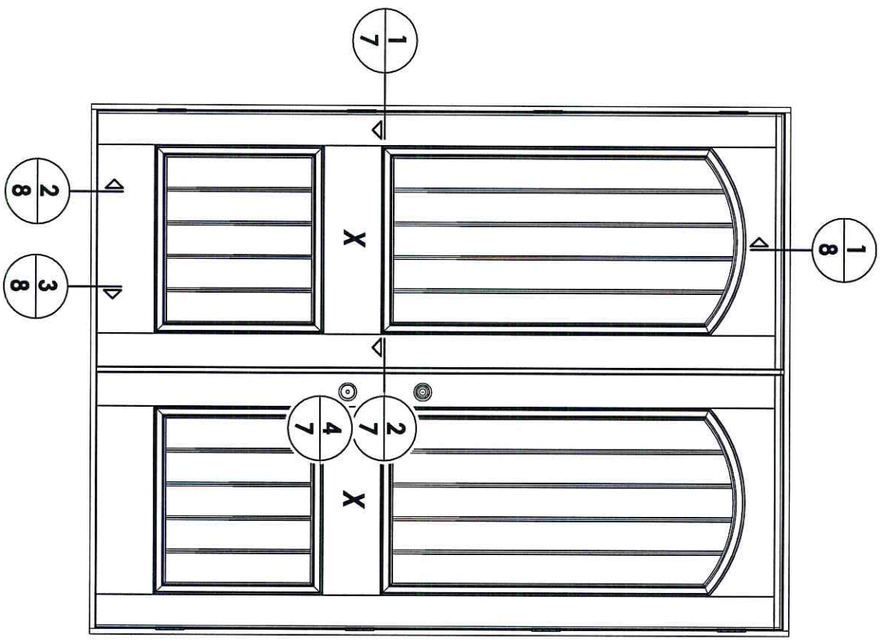

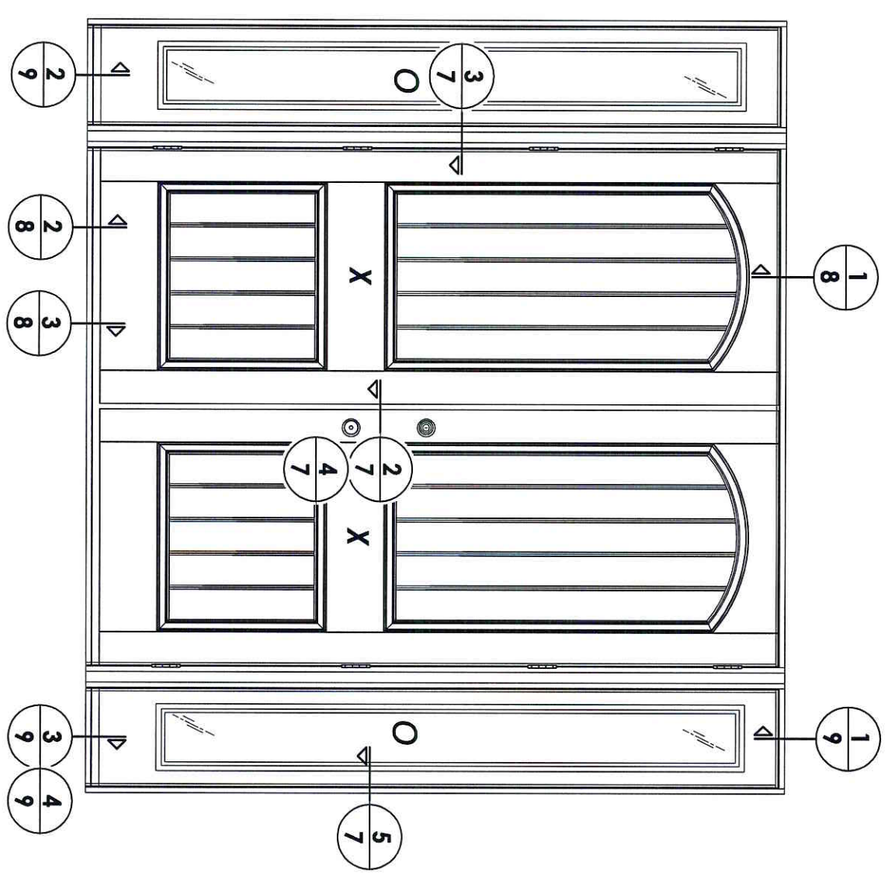

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED
PROFESSIONAL ENGINEER
12.5.12

SHEET	6 OF 13
DRAWING NO.:	TX-4286
CHK. BY:	LFS
DWG. BY:	JK
SCALE:	N.T.S.
DATE:	11/29/12

NO.	DATE		BY

REVISIONS

PRODUCT:

PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:

ELEVATIONS

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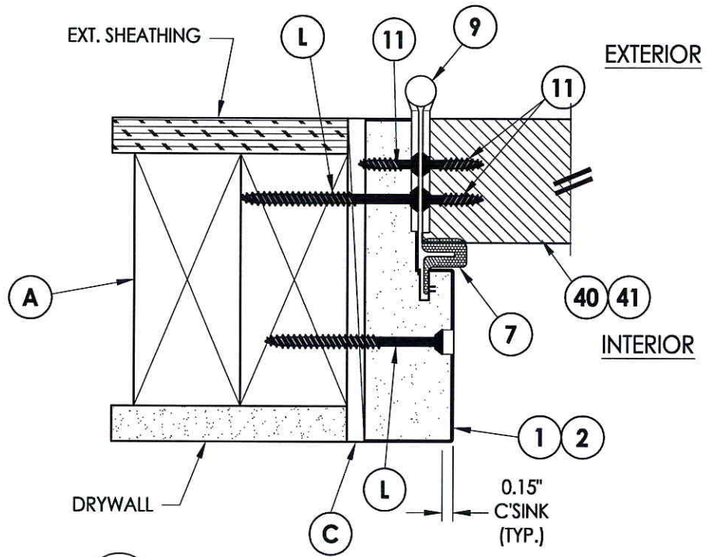
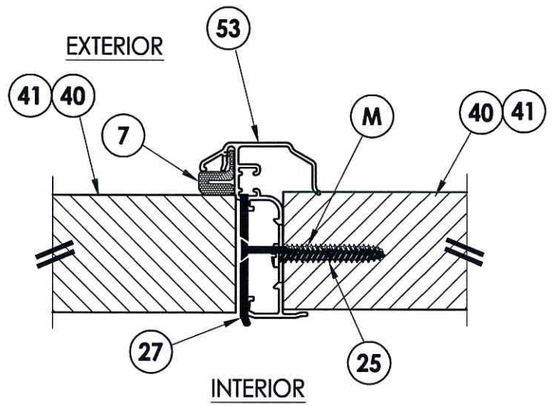
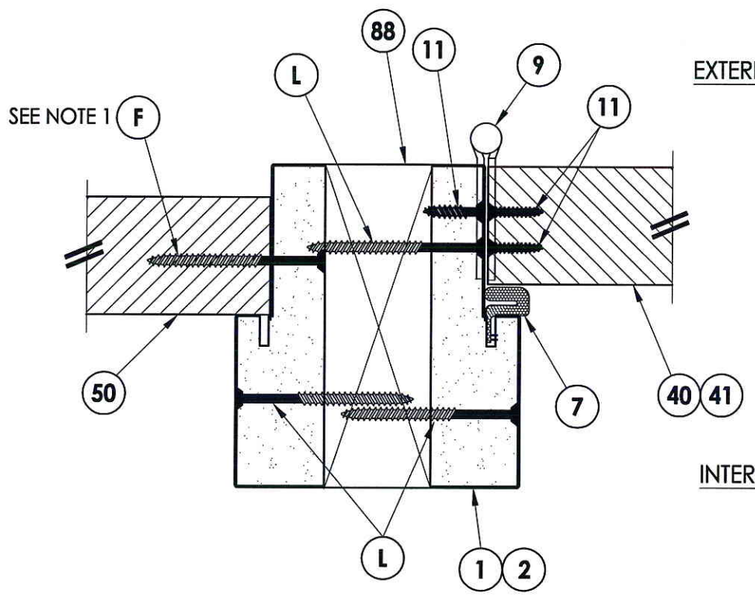


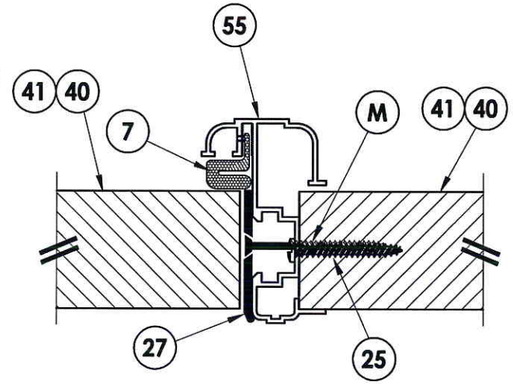
1/7 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved



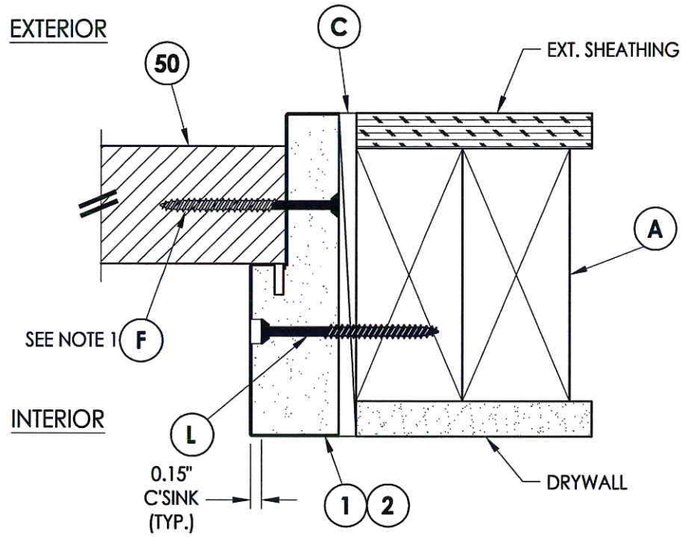
2/7 **HORIZONTAL CROSS SECTION**
Outswing shown - Inswing also approved



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



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



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

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

STATE OF TEXAS
LYNDON F. SCHMIDT
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LICENSED PROFESSIONAL ENGINEER
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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		

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

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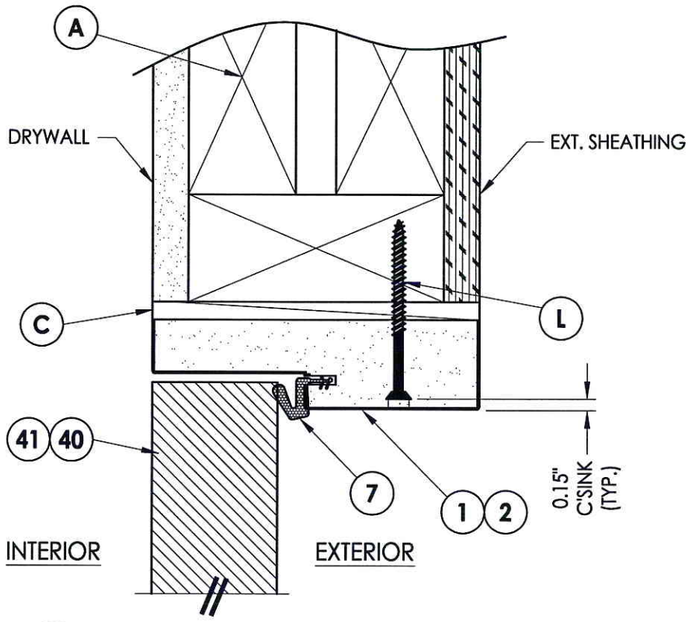
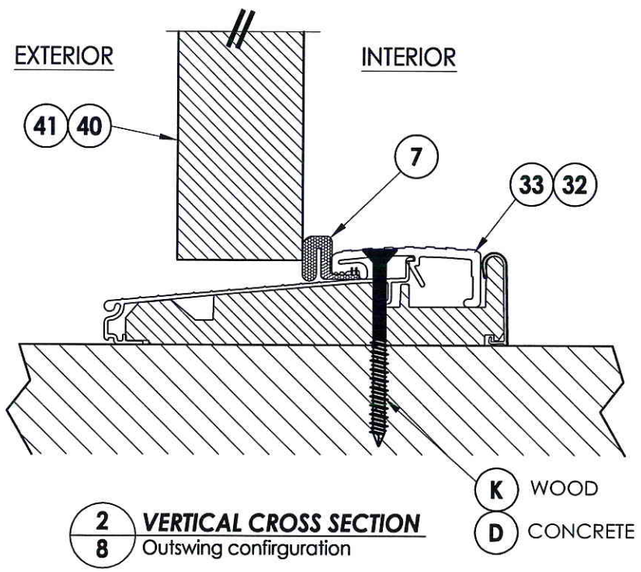
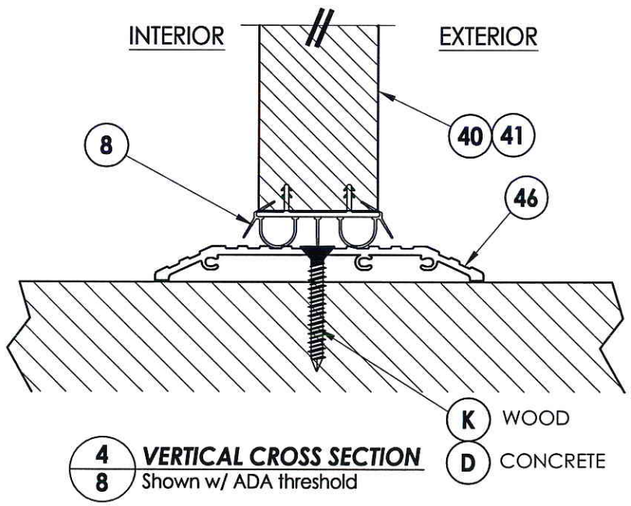


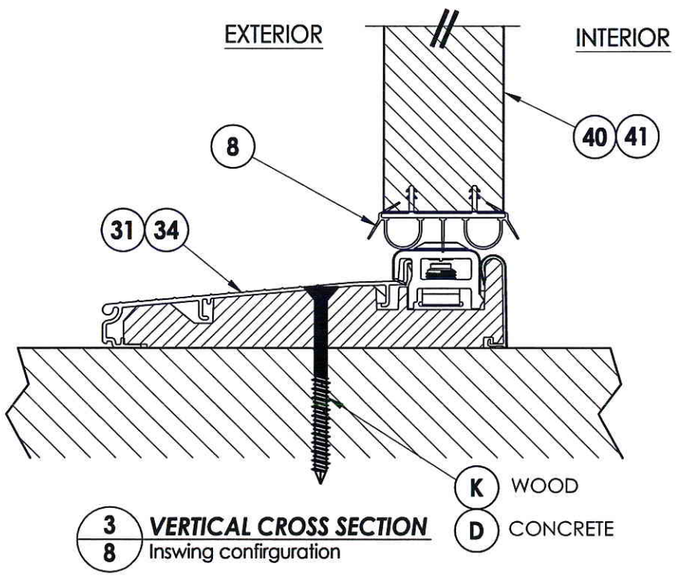
1/8 **VERTICAL CROSS SECTION**
Inswing shown - Outswing also approved



2/8 **VERTICAL CROSS SECTION**
Outswing confirguration



4/8 **VERTICAL CROSS SECTION**
Shown w/ ADA threshold



3/8 **VERTICAL CROSS SECTION**
Inswing confirguration

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

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

STATE OF TEXAS · LYNDON F. SCHMIDT · 104123 · LICENSED PROFESSIONAL ENGINEER

12.5.12

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE: 11/29/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4286
SHEET 8 OF 13

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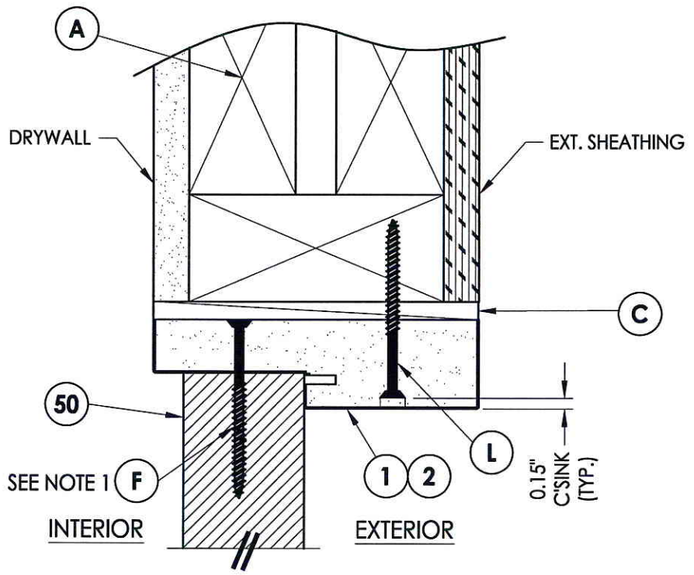
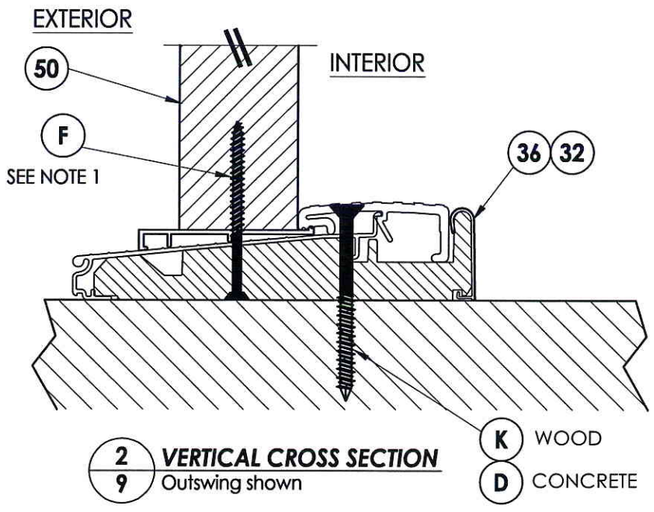
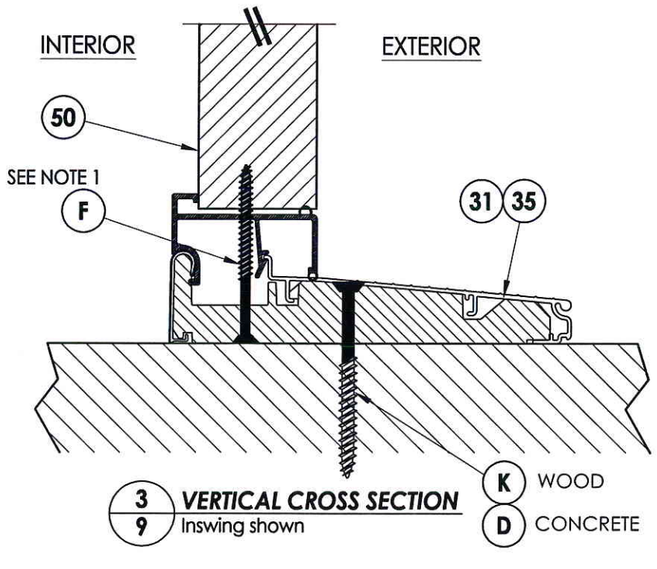
NOTE:
1. Spacing for item F: 3" from each end.



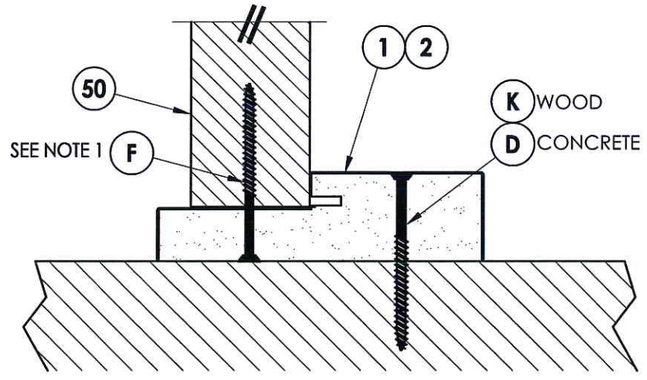
1/9 **VERTICAL CROSS SECTION**
Inswing shown - Outswing also approved



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



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



4/9 **VERTICAL CROSS SECTION**

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CERTIFICATE OF REGISTRATION # F-11852

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

NO.	DATE	BY	REVISIONS

DATE: 11/29/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4286
SHEET 9 OF 13

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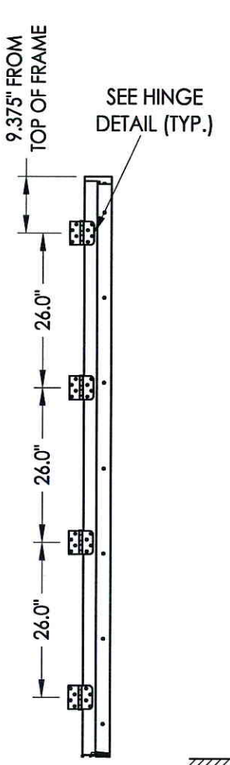
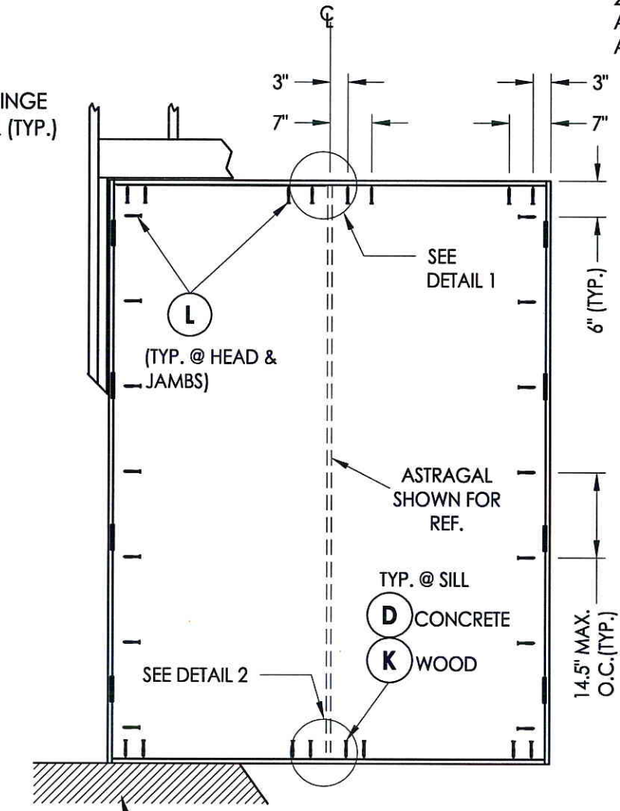
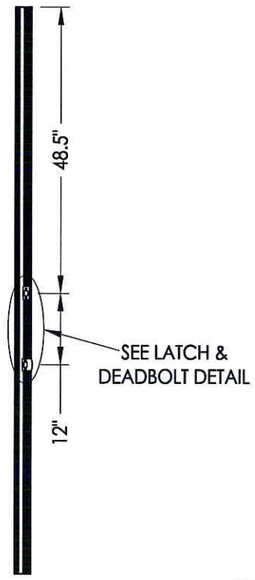


HINGE JAMB



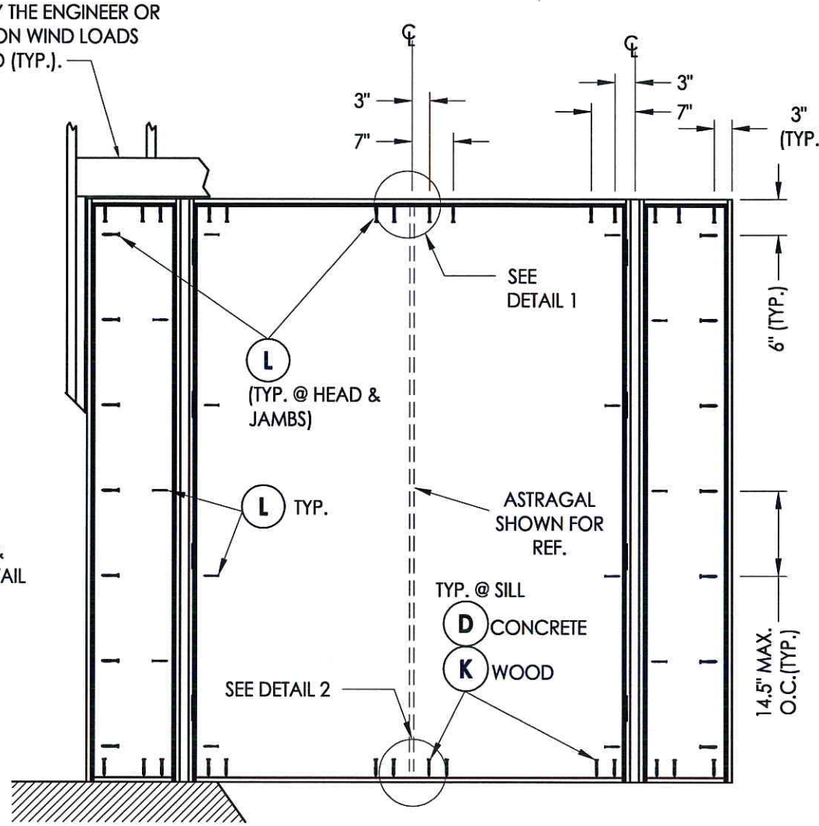
FRAME ANCHORING
XX

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



ASTRAGAL

2X FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD BASED ON WIND LOADS AND THE CLADDING BEING USED (TYP.).

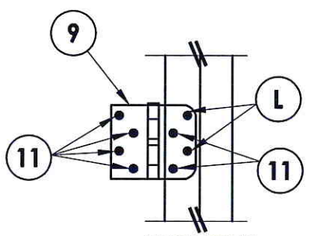


FRAME ANCHORING
OXXO

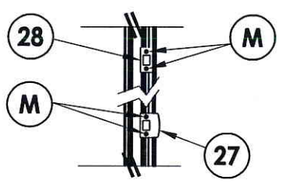
CONCRETE ANCHOR NOTES:

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:*

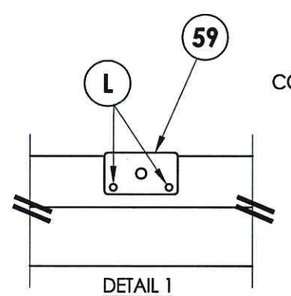
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-3/4"	2-1/2"	3"
ELCO ULTRACON®	1/4"	1-3/4"	1"	3"



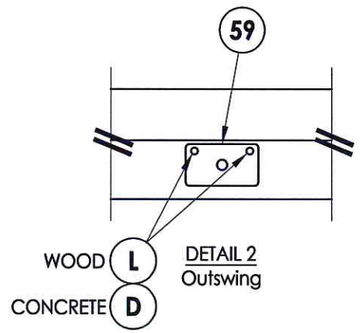
HINGE DETAIL



LATCH AND DEADBOLT DETAIL



DETAIL 1



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

STATE OF TEXAS · LYNDON F. SCHMIDT · 104123 · LICENSED PROFESSIONAL ENGINEER

12.5.12

PRODUCT: *PLASTPRO INC FIBERGLASS DOOR*

PART OR ASSEMBLY: *FRAME ANCHORING*

NO.	DATE	REVISIONS	BY

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

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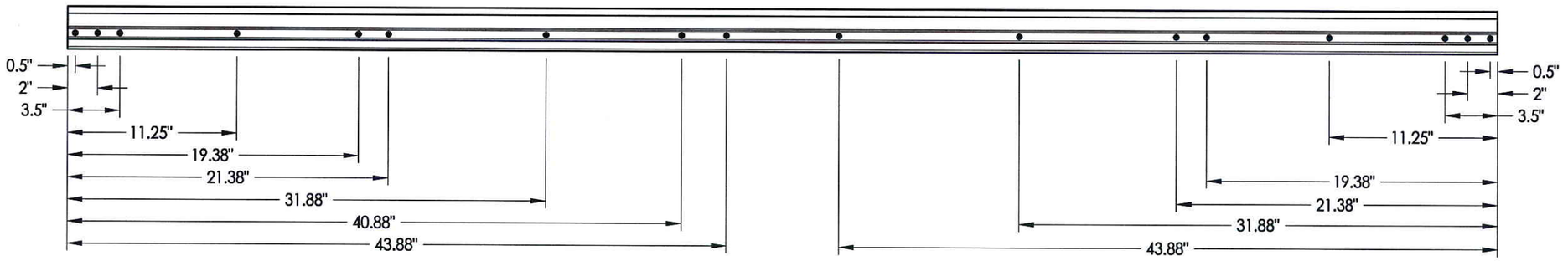
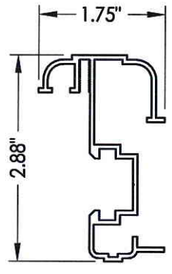
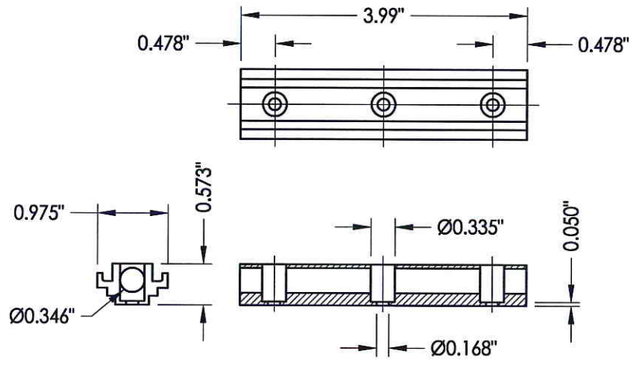


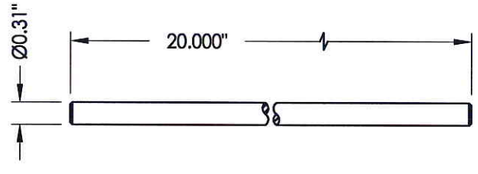
ASTRAGAL SCREW LOCATIONS



55 **ASTRAGAL** DLP



CONCEALED STIFFENER



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

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
12.5.12

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: ASTRAGAL DETAILS

NO.	DATE	BY	REVISIONS

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

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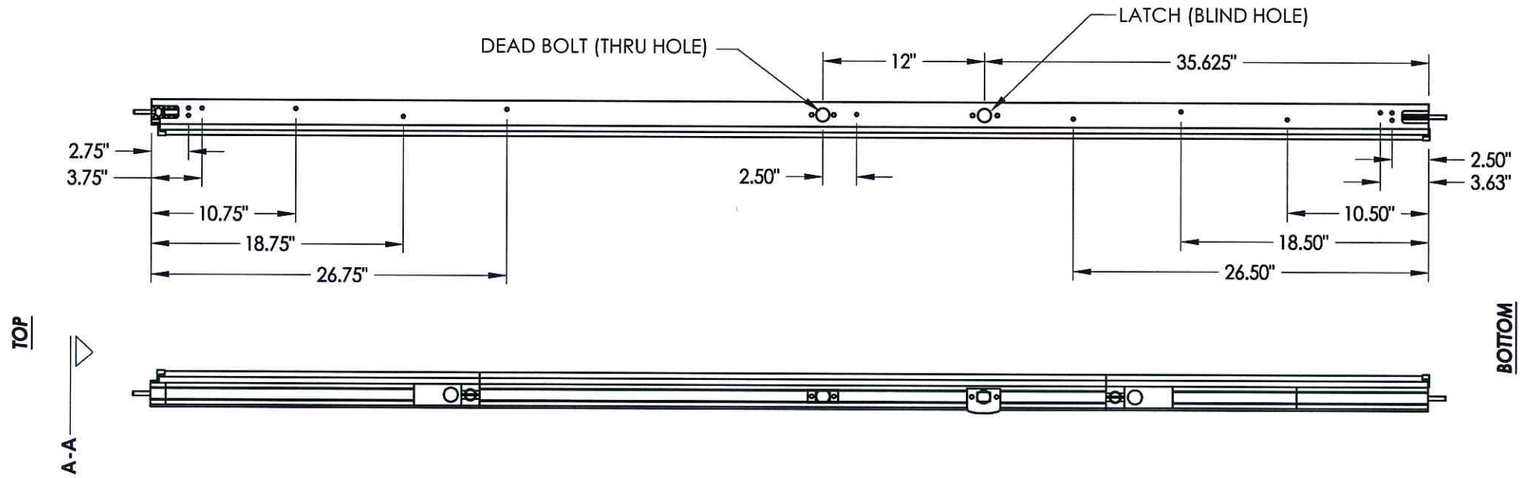
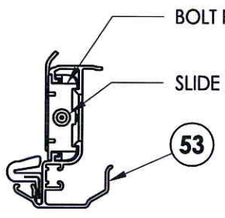
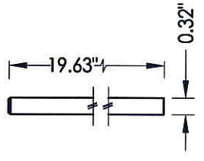


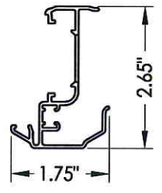
8'-0" ALUMINUM ASTRAGAL ASSEMBLY
By Endura Products



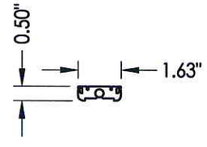
VIEW A-A
Aluminum Astragal Assembly



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



(53) ***ALUMINUM ASTRAGAL***
By Endura Products



BOLT RETAINER
MATL: 9-3/4" Aluminum

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: *ASTRAGAL DETAILS*

NO.	DATE	REVISIONS	BY

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

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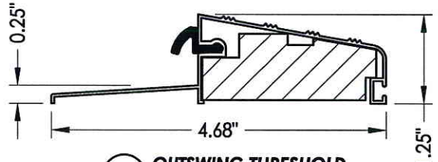
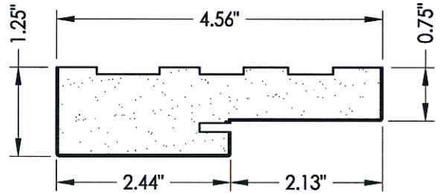
BILL OF MATERIALS

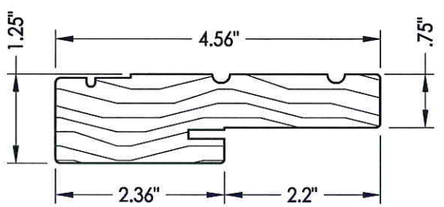
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" ELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
F	#9 X 2-1/2" PFH WOOD SCREW	STEEL
K	#10 X 3" PFH WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	#8 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
61	ODL LITE FRAME	ALUM
62	RSL LITE FRAME	PVC
88	2X REINFORCEMENT (G >= 0.55)	WOOD



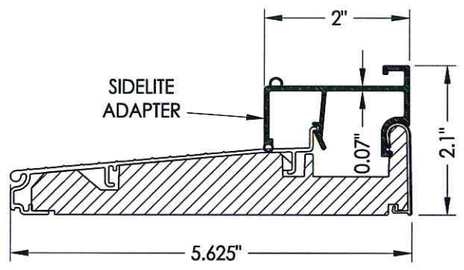
32 OUTSWING THRESHOLD
DLP (QOSH)



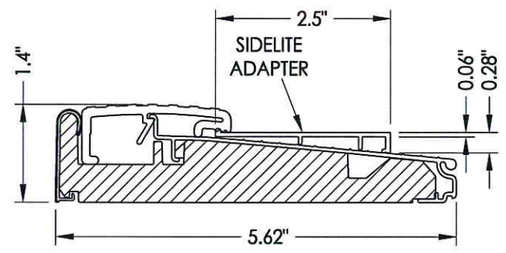
1 HEAD & SIDE
Poly fiber jamb



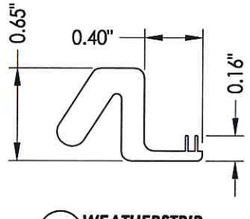
2 WOOD JAMB



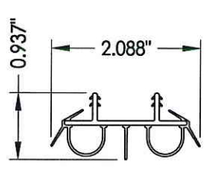
35 INSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



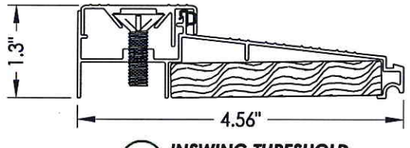
36 OUTSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



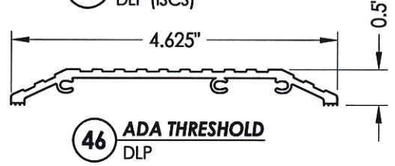
7 WEATHERSTRIP
Endura Force 5



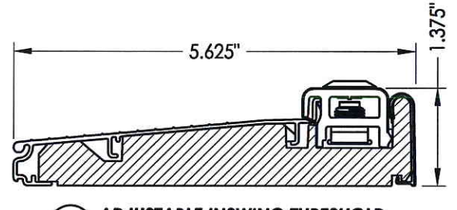
8 DOOR BOTTOM SWEEP



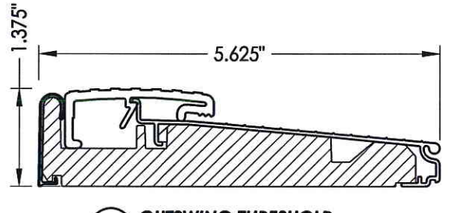
31 INSWING THRESHOLD
DLP (ISCS)



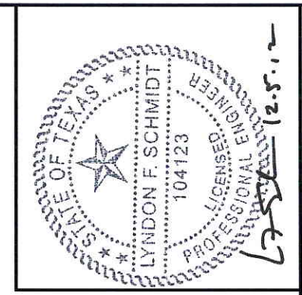
46 ADA THRESHOLD
DLP



34 ADJUSTABLE INSWING THRESHOLD
Endura (Z-Series)



33 OUTSWING THRESHOLD
Endura (Z-Series)



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 INC. FIBERGLASS DOOR

PART OR ASSEMBLY: BILL OF MATERIALS AND COMPONENTS

NO.	DATE	BY	REVISIONS

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

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