plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

OPAQUE FIBERGLASS SINGLE DOOR
w/ SIDELITES
INSWING / OUTSWING
"NON- IMPACT"

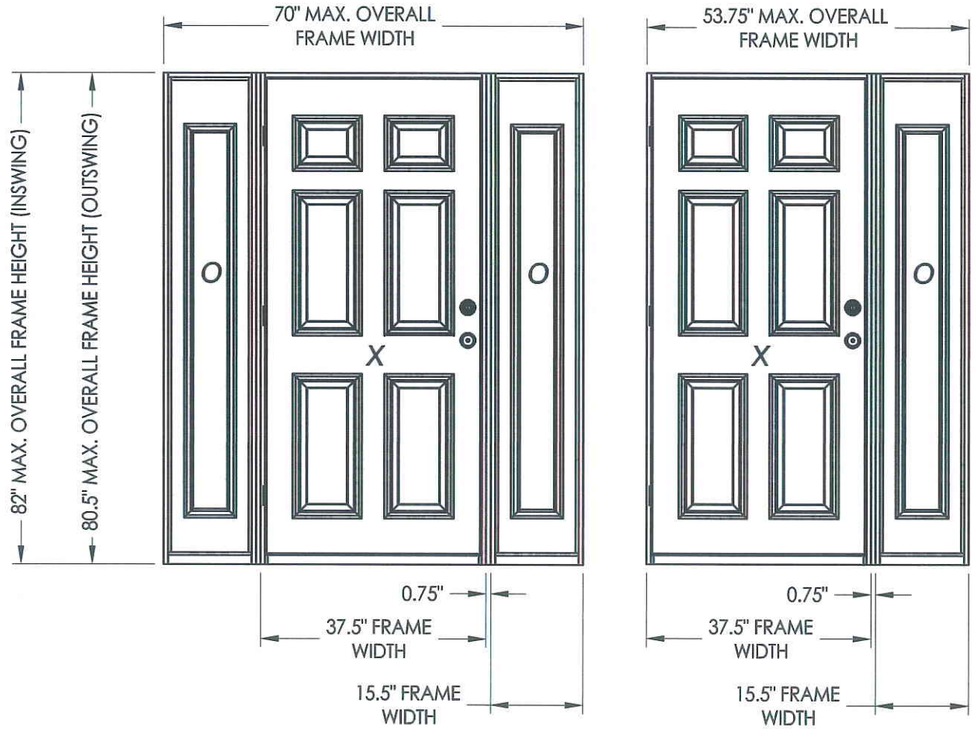
EVALUATED FOR USE IN THE STATE OF TEXAS

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.

SUPPORTING DOCUMENTS & EVIDENCE

1. Testing per AAMA/WDMA/CSA 101/I.S.2/A440-05 & ASTM E 330-02:
   Testing Evaluation Laboratories, Inc. test report(s) #: TEL 01390242 & TEL 01390307.
   ETC Laboratories test report #: ETC-10-209-23677.1 & ETC-10-209-24648.1.
2. Calculations (Anchoring and Glass load resistance report ASTM E1300-04) prepared by Lyndon F. Schmidt, P.E.
3. Certificate of Participation issued by the National Accreditation and Management Institute, Inc., certifying that Plastpro is manufacturing products within a Quality Assurance program.



CONFIGURATION	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX or XO	53.75" x 82.0"	7.0" X 63.0"	+55.0	-60.0	+55.0	-55.0
OXO	70.0" x 82.0"	7.0" X 63.0"	+55.0	-60.0	+55.0	-55.0

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SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
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7	Horizontal cross sections
8	Frame anchoring
9	Bill of materials, components and glazing details

STATE OF TEXAS · LYNDON F. SCHMIDT · 104123 · LICENSED PROFESSIONAL ENGINEER · 1-31-11

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 FIBERGLASS DOOR

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

NO.	DATE	REVISIONS	BY

DATE: 6/23/10
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4115
SHEET 1 OF 9

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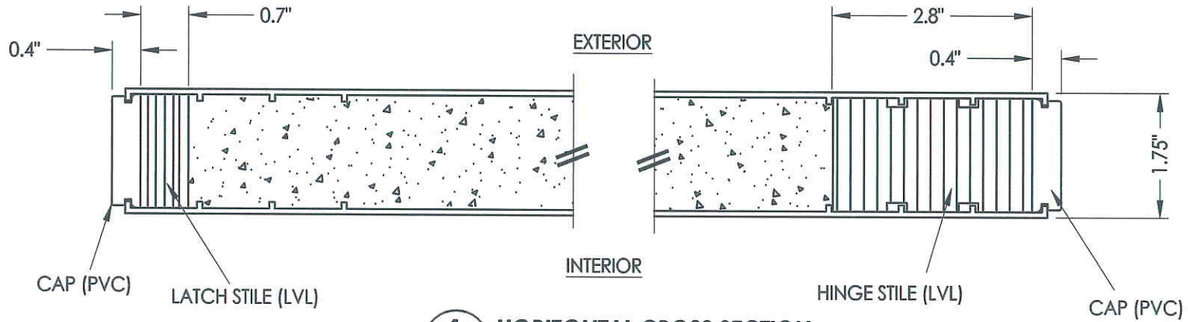
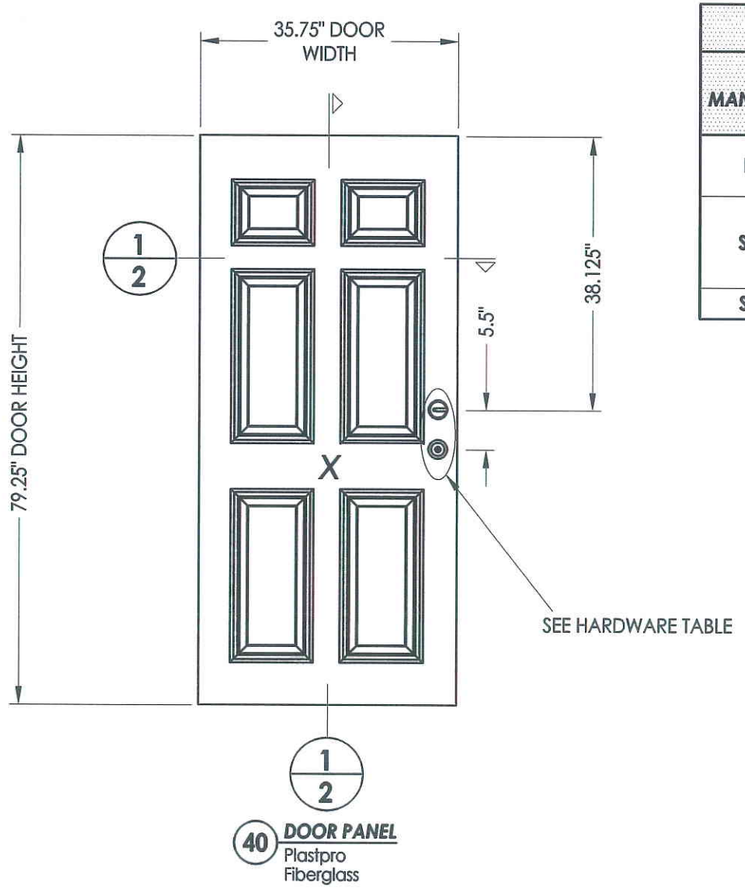
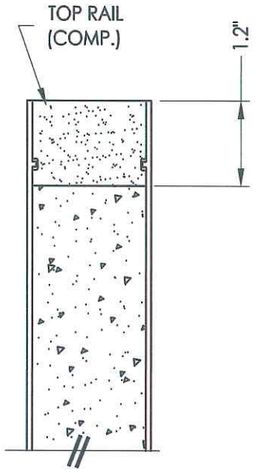


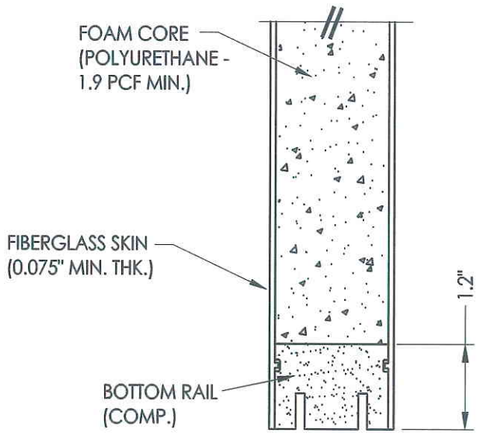
1/2 **HORIZONTAL CROSS SECTION**



40 **DOOR PANEL**
Plastpro
Fiberglass

HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (780)
SCHLAGE	KNOB: "F" SERIES (F10) LEVER: "F" SERIES (F10) DEADBOLT: "B" SERIES (B60/62)
SCHLAGE	HANDLE SET W/DEADBOLT: "F" SERIES (F60)





2/2 **VERTICAL CROSS SECTION**

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

PRODUCT: PLASTPRO FIBERGLASS DOOR

PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	BY	REVISIONS

DATE: 1/17/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4115
SHEET 2 OF 9

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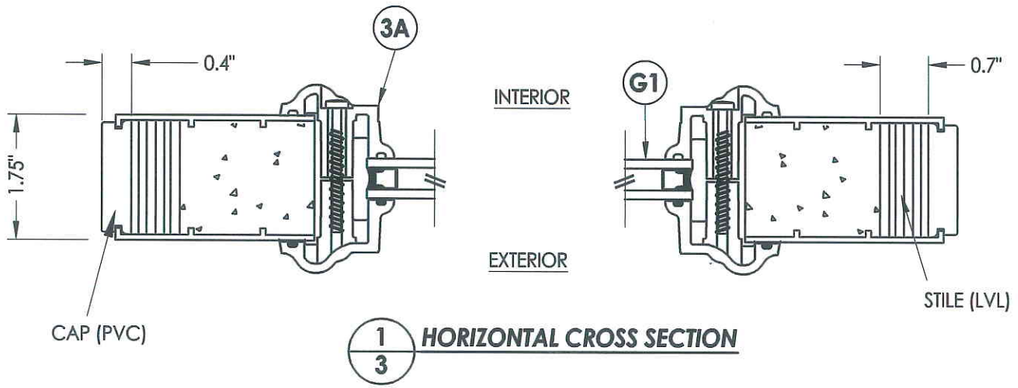
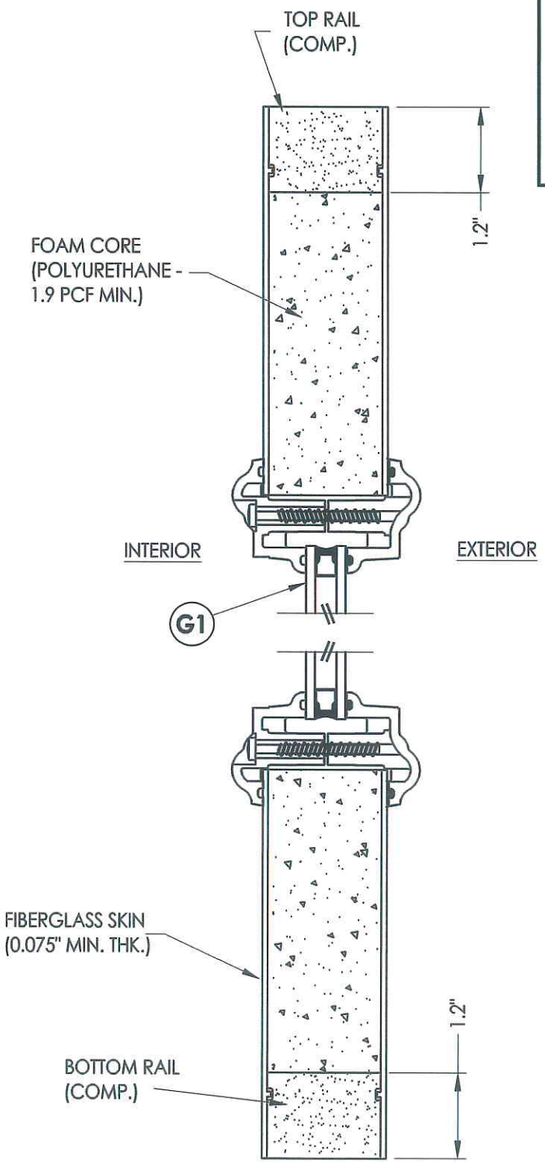


1/3 **HORIZONTAL CROSS SECTION**



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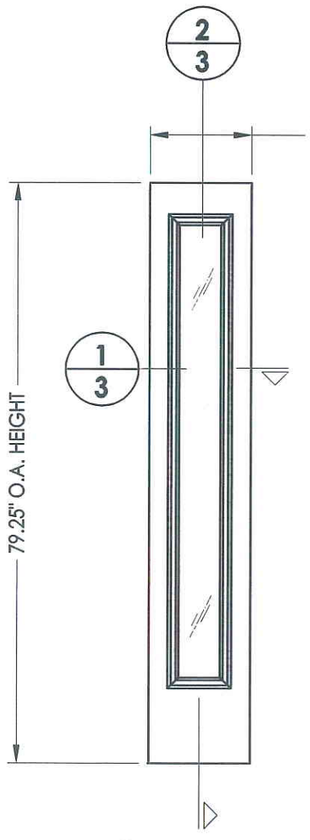
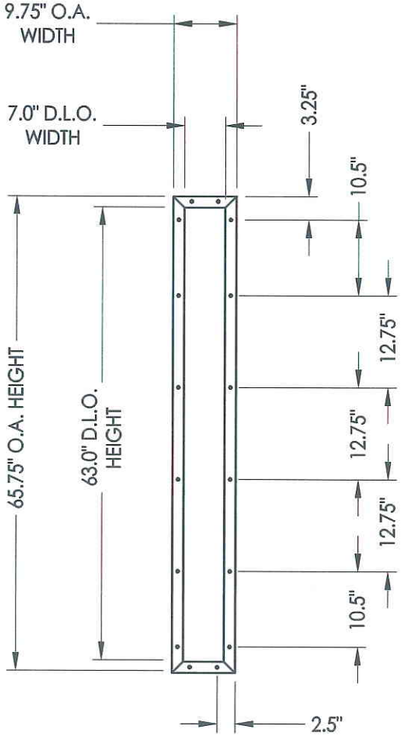
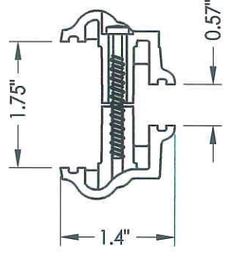


50 **SIDELITE PANEL**
Plastpro
Fiberglass



ODL LITE FRAME



3A **ODL LITE FRAME**
HP Polypropylene

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

PRODUCT: *PLASTPRO FIBERGLASS DOOR*

PART OR ASSEMBLY: *SIDELITE PANEL DETAILS*

NO.	DATE	REVISIONS	BY

DATE: 1/17/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4115
SHEET 3 OF 9

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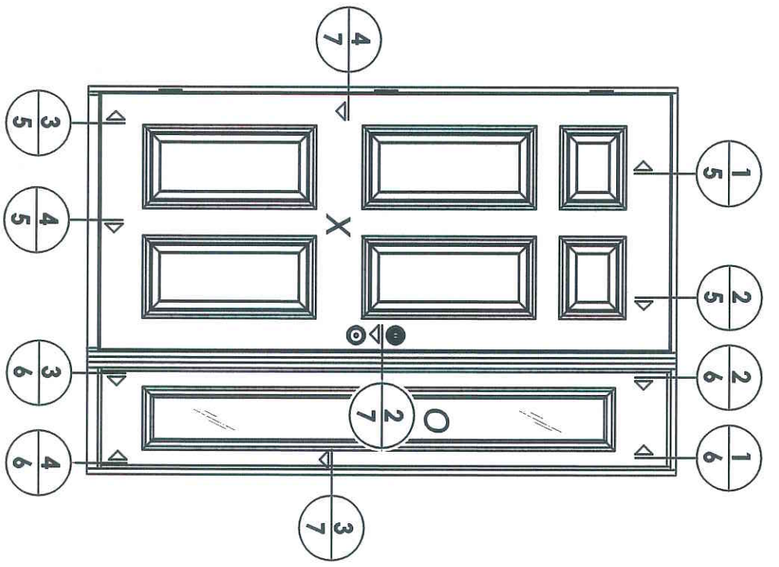
ELEVATION [XO - OX]



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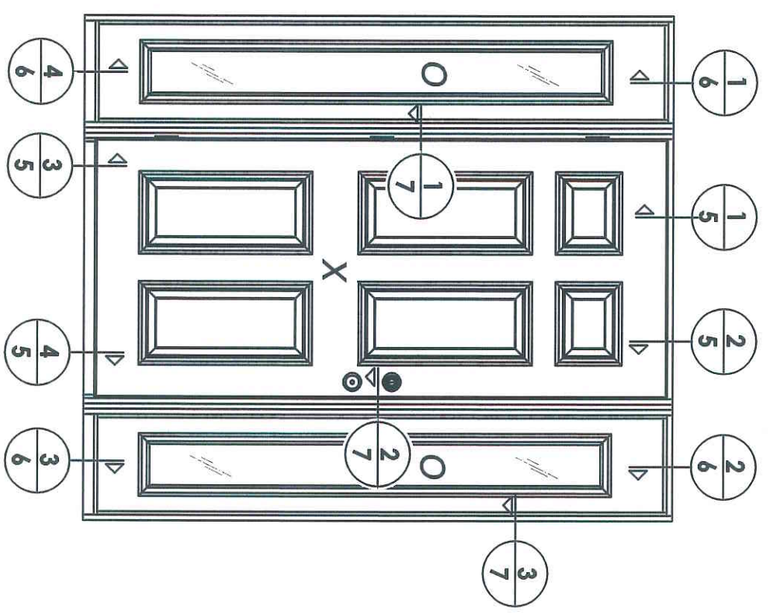

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SHEET	4 OF 9
DRAWING NO.:	TX-4115
CHK. BY:	LFS
DWG. BY:	JK
SCALE:	N.T.S.
DATE:	1/17/11

NO.	DATE		BY

REVISIONS

PRODUCT:
PLASTPRO FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

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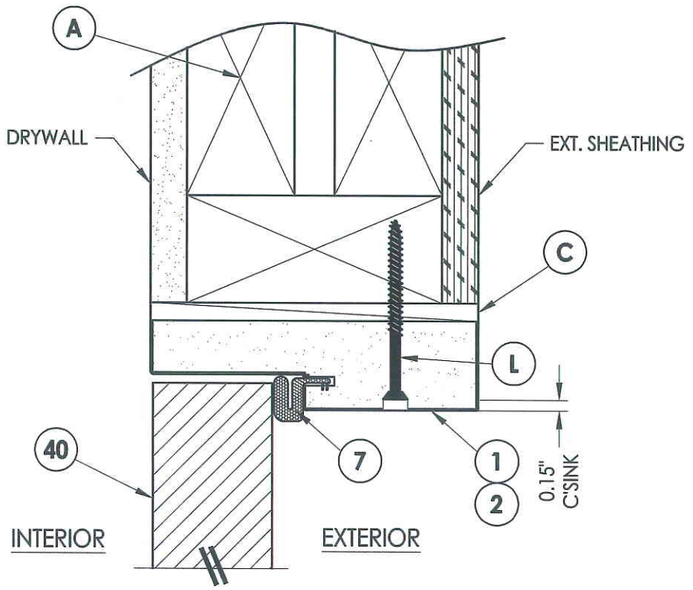
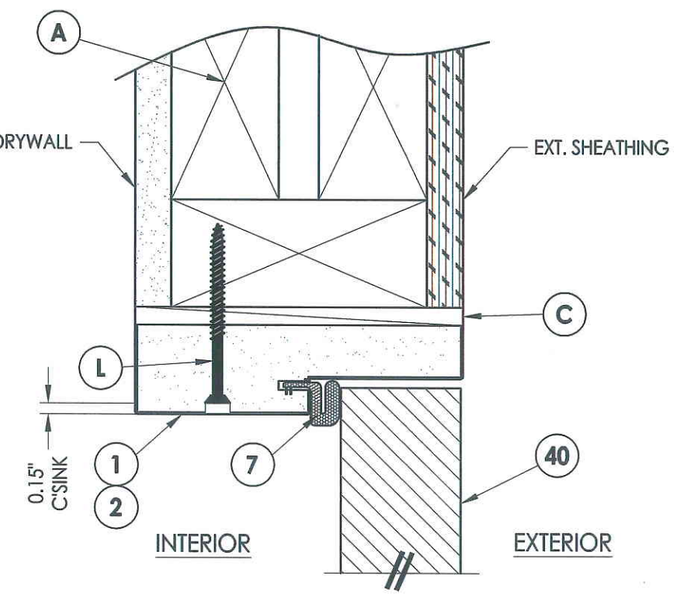
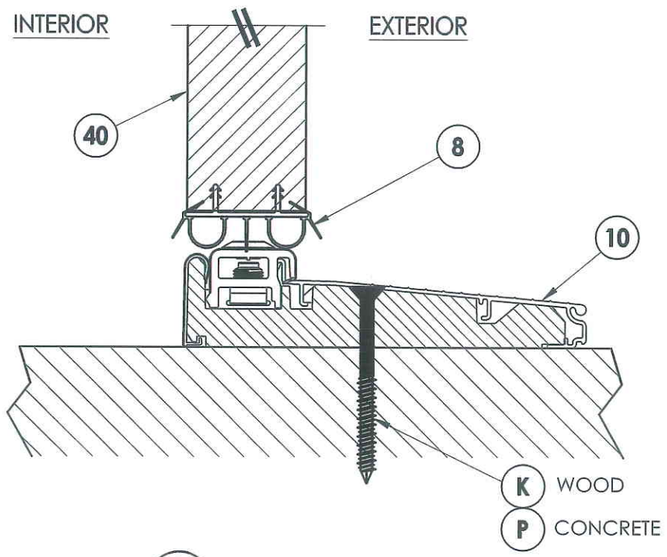


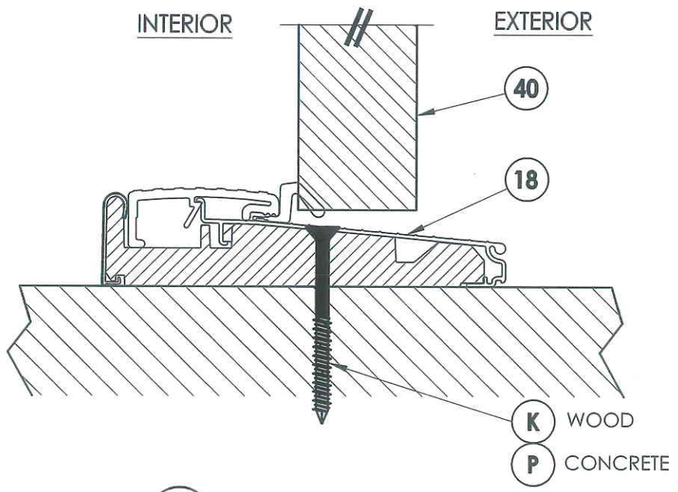
1/5 **VERTICAL CROSS SECTION**
Inswing shown



2/5 **VERTICAL CROSS SECTION**
Outswing shown



3/5 **VERTICAL CROSS SECTION**
Inswing shown



4/5 **VERTICAL CROSS SECTION**
Outswing shown

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CERTIFICATE OF REGISTRATION # F-11852

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

1.31.11

PRODUCT: PLASTPRO FIBERGLASS DOOR

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE: 1/17/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4115
SHEET 5 OF 9

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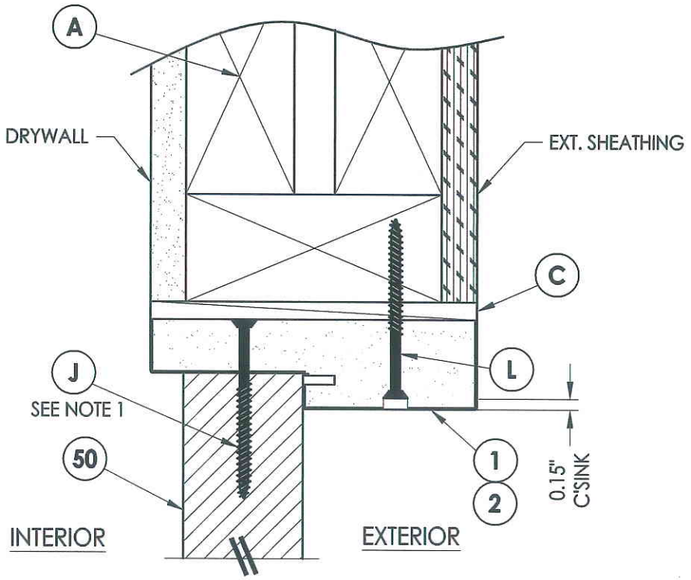
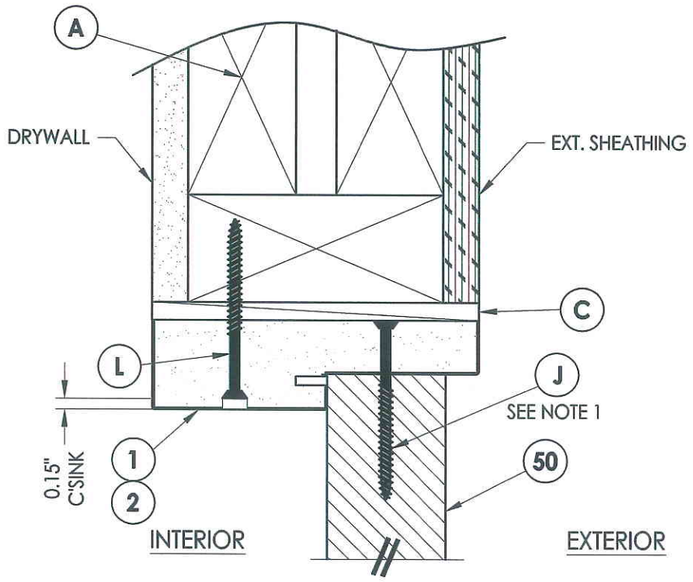
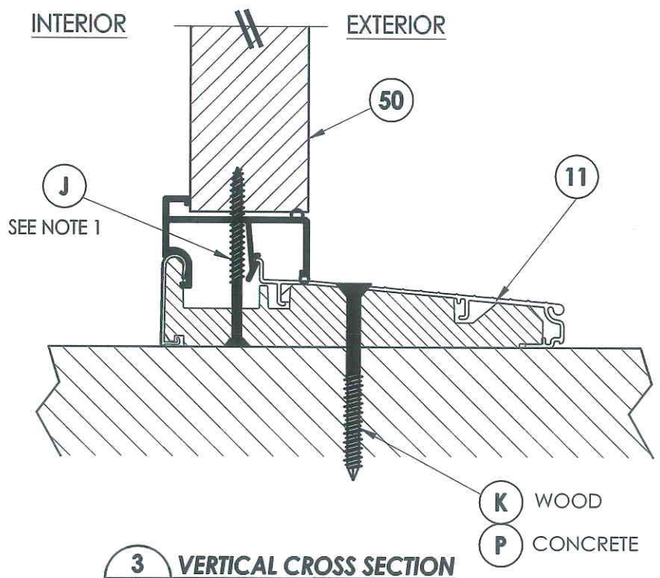


1/6 VERTICAL CROSS SECTION
Inswing shown

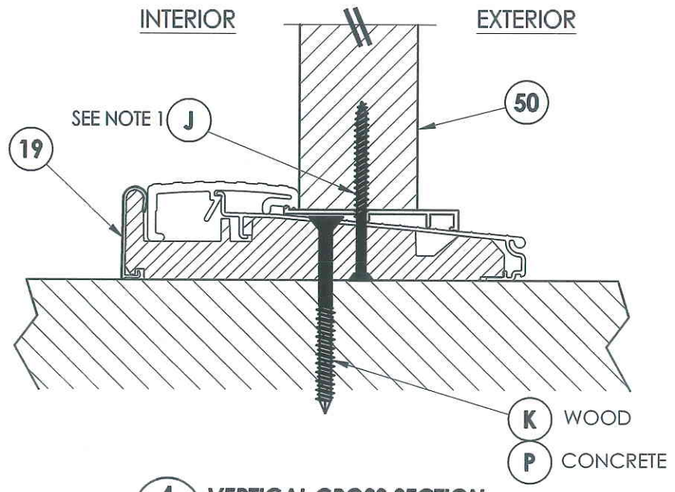


2/6 VERTICAL CROSS SECTION
Outswing shown



3/6 VERTICAL CROSS SECTION
Inswing shown

NOTE:
1. Spacing for item J:
   3.75" from each end.



4/6 VERTICAL CROSS SECTION
Outswing shown

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1.31.11

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

PRODUCT: PLASTPRO FIBERGLASS DOOR

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 1/17/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4115
SHEET 6 OF 9

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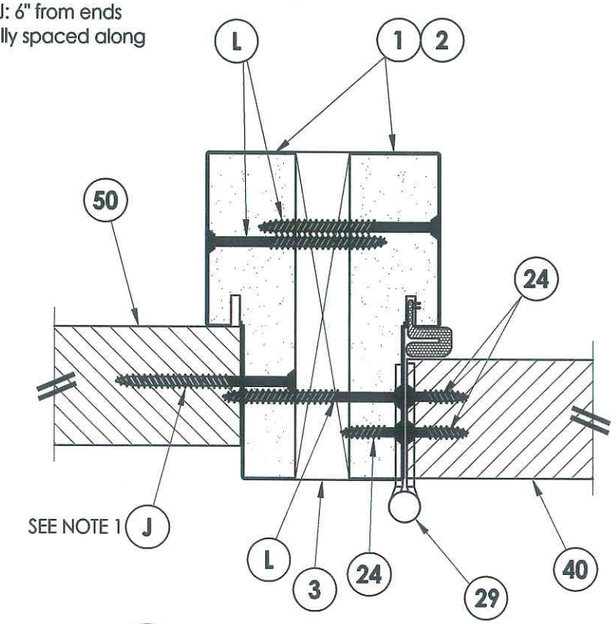
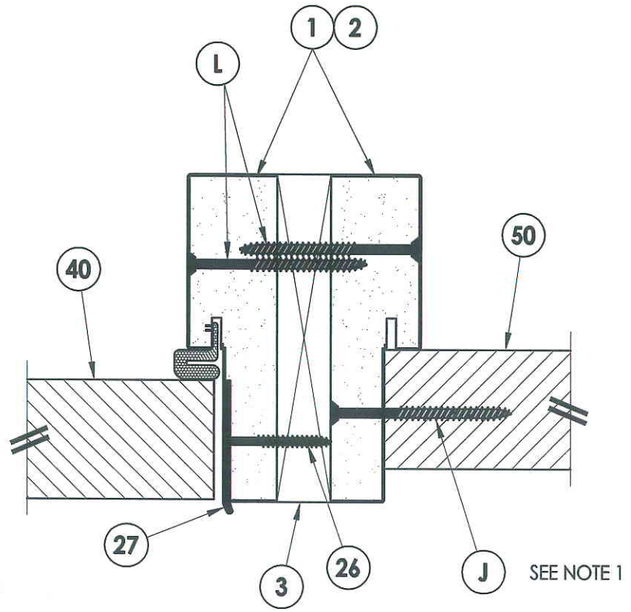
NOTE:
1. Spacing for item J: 6" from ends and 4 more equally spaced along sidelite (6 total).



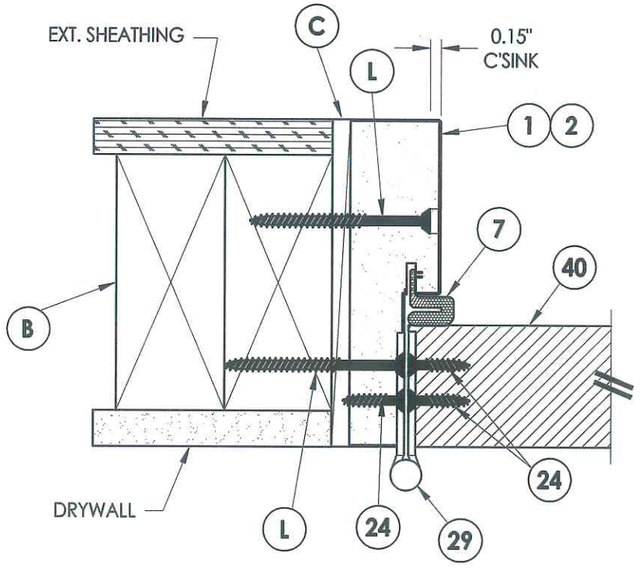
1/7 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing also approved

EXTERIOR

INTERIOR



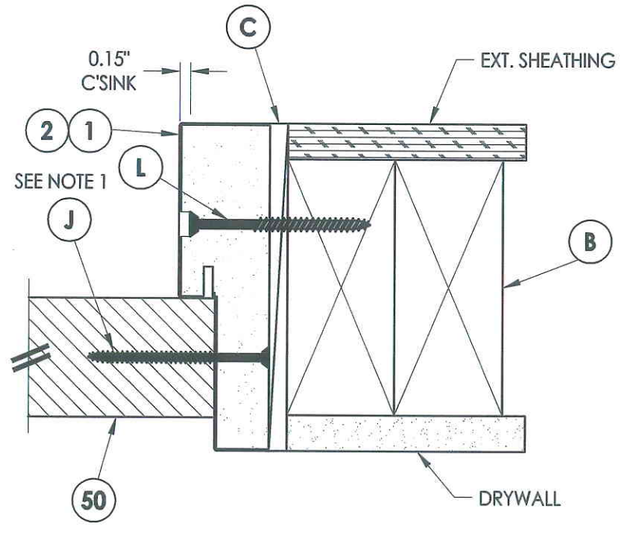
2/7 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing also approved



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

EXTERIOR

INTERIOR



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

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
1-31-11

Documents Prepared By: Lyndon F. Schmidt, P.E.
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTPRO FIBERGLASS DOOR

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 1/17/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4115
SHEET 7 OF 9

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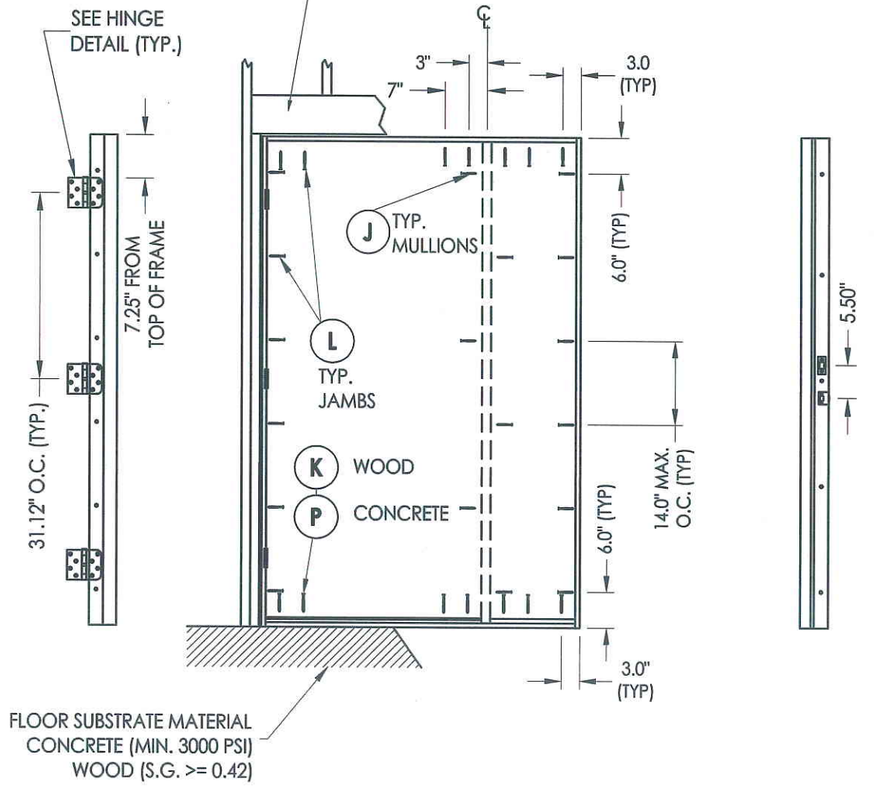
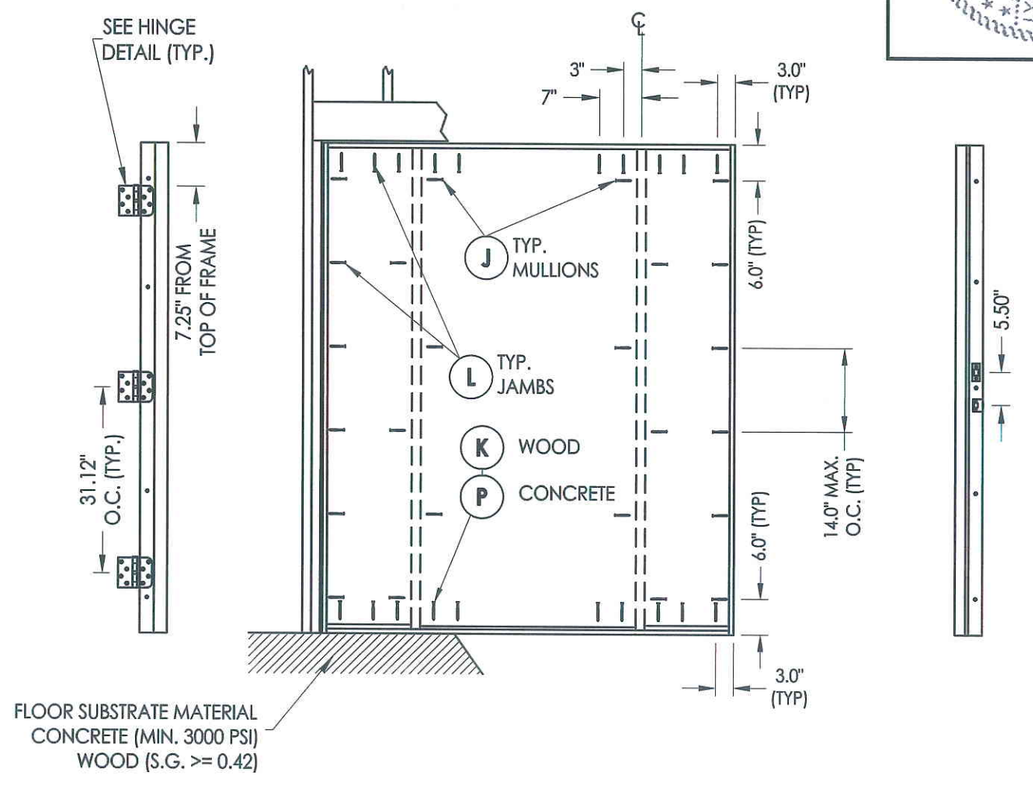
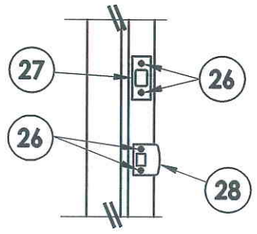
2X FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD BASED ON WIND LOADS AND THE CLADDING BEING USED.



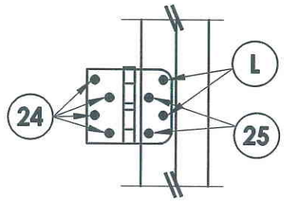
HINGE JAMB | **FRAME ANCHORING** OX | **STRIKE MULLION**



HINGE MULLION | **FRAME ANCHORING** OXO | **STRIKE MULLION**



LATCH AND DEADBOLT Details



HINGE DETAIL

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

PRODUCT: *PLASTPRO FIBERGLASS DOOR*

PART OR ASSEMBLY: *FRAME ANCHORING*

NO.	DATE	REVISIONS	BY

DATE: 1/17/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4115
SHEET 8 OF 9

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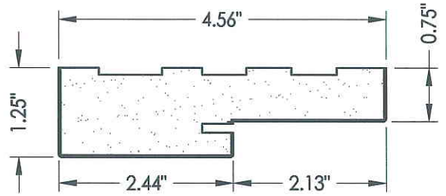
BILL OF MATERIALS

ITEM #	DESCRIPTION	MATERIAL
A	2X HEADER FRAMING SG >= 0.42	WOOD
B	2X BUCK SG >= 0.42	WOOD
C	1/4" MAX. SHIM SPACE	-
J	#9 X 2-1/2" DRYWALL SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW	STEEL
K	#10 X 3" PFH WOOD SCREW	STEEL
P	1/4" PFH ELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMB.)	STEEL
1	POLY FIBER JAMB	COMP.
2	WOOD JAMB (FINGER JOINTED PINE)	WOOD
3	1X MULLION REINFORCEMENT (SG>= 0.55)	WOOD
4	#8 X 1-1/2" PPH SMS	STEEL
5	INT. FRAME	PVC
6	EXT. FRAME	PVC
7	FORCE 5 WEATHER STRIPPING BY ENDURA	FOAM
8	SWEEP	PVC
9	ALUMINUM SPACER	ALUMINUM
10	INSWING THRESHOLD	ALUM/COMP
11	INSWING THRESHOLD W/SIDELITE ADAPTER	ALUM/COMP
12	HOMERUN SEALANT	-
13	READISEAL SEALANT	-
18	OUTSWING THRESHOLD	ALUM/COMP
19	OUTSWING THRESHOLD W/SIDELITE ADAPTER	ALUM/COMP
24	#9 x 3/4" PFH WOOD SCREW	STEEL
26	#8 x 1-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4 X4 HINGE	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-

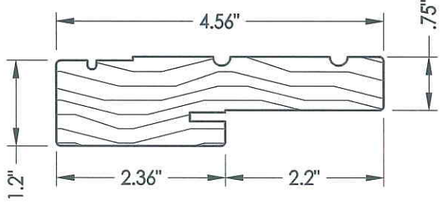
CONCRETE ANCHOR NOTES:

1. *Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.*
2. *Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints. If 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" dimensions are not exceeded.*
3. *Concrete anchor table:*

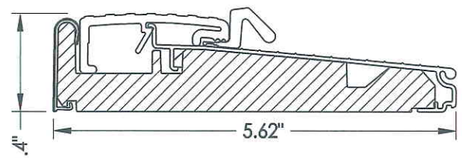
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW	1/4"	1-3/4"	2-1/2"	3"
ELCO	1/4"	1-3/4"	1"	4"



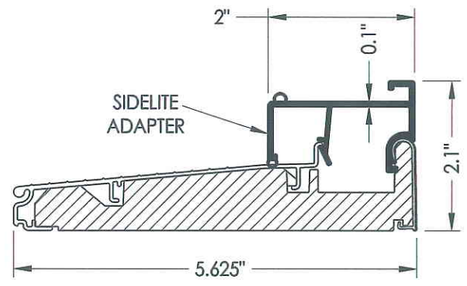
1 **POLY FIBER JAMB**



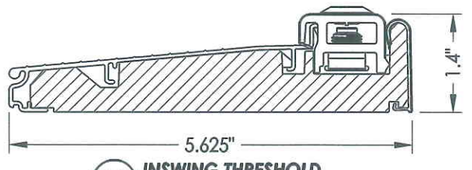
2 **WOOD JAMB**



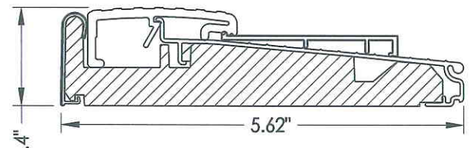
18 **OUTSWING THRESHOLD**
By Endura



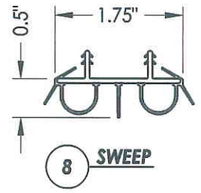
11 **INSWING THRESHOLD w/ SIDELITE ADAPTER**
By PLASTPRO



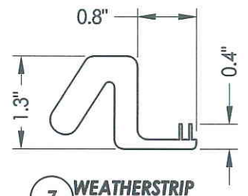
10 **INSWING THRESHOLD**
By PLASTPRO



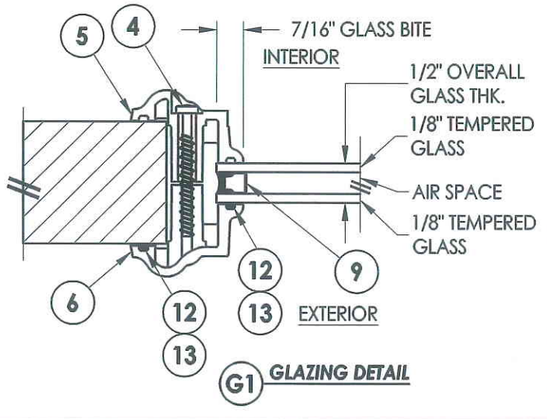
19 **OUTSWING THRESHOLD w/ SIDELITE ADAPTER**
By Endura



8 **SWEEP**



7 **WEATHERSTRIP**



G1 **GLAZING DETAIL**

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

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PRODUCT: PLASTPRO FIBERGLASS DOOR

PART OR ASSEMBLY: BILL OF MATERIALS, COMPONENTS & GLAZING DETAILS

NO.	DATE	BY
REVISIONS		

DATE: 1/17/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4115
SHEET 9 OF 9

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