THERMA-TRU®
DOORS

Classic-Craft®

OPAQUE FIBERGLASS DOOR
INSWING/OUTSWING
"NON-IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

The 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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4	Elevations
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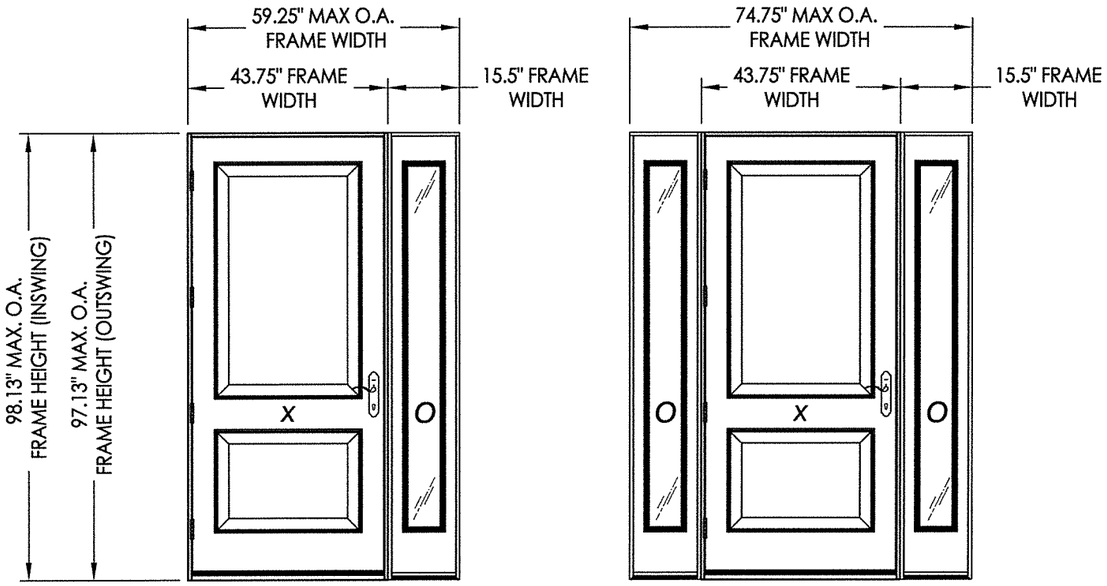
6	Vertical Cross Sections (Thresholds)
7	Frame Anchoring & Hardware Details
8	Components
9	Bill of Materials



Opaque Door with Sidelites
(Boxed Construction)

CONFIGURATION	Lock Hardware	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	Multipoint*	+55.0	-60.0	+55.0	-55.0
XO, OX, OXO	Kwikset*	+35.0	-35.0	+35.0	-35.0
XO, OX, OXO	Schlage*	+30.0	-45.0	+30.0	-30.0

**See Sheet 4 for Hardware Specifications*

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
3.2.16

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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: THERMA-TRU FIBERGLASS DOOR

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

REVISIONS

NO.	DATE	BY

DATE: 2/10/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4601
SHEET 1 OF 9

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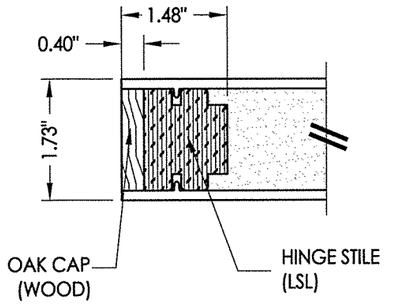
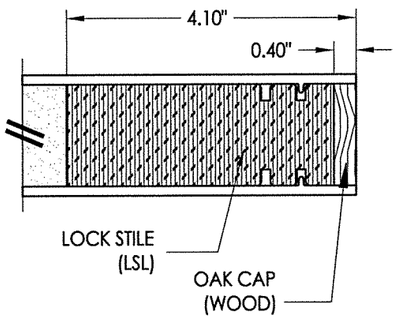
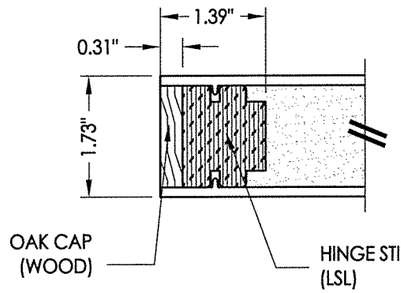
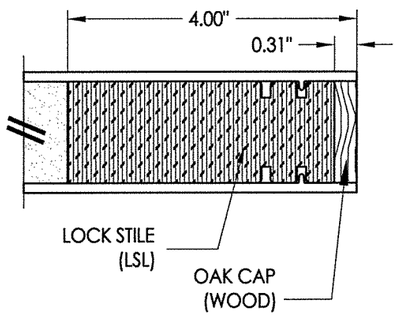
R:\Clients\Therma Tru PERMANENT\B - Texas Dept of Ins\TDI - DR XXX 8-0 Opaque Classic Craft Non-Impact\C - Drawings\TX-4600.01.dwg, TX-4601





1/2 **HORIZONTAL CROSS SECTION**





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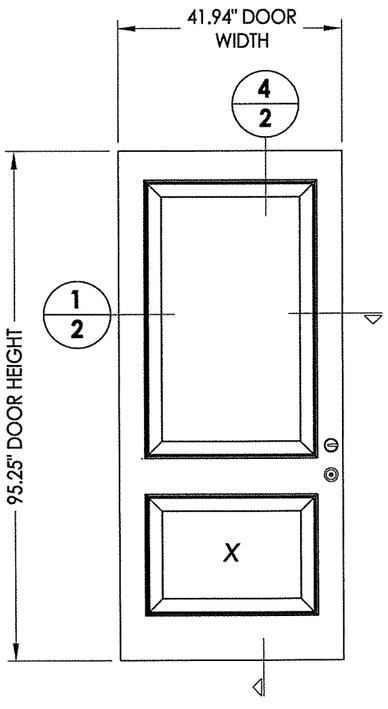
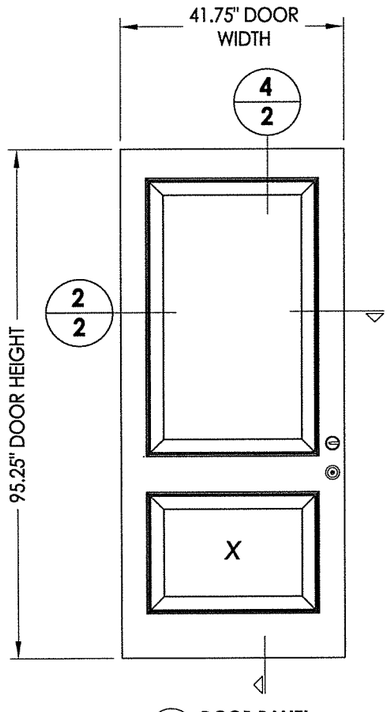
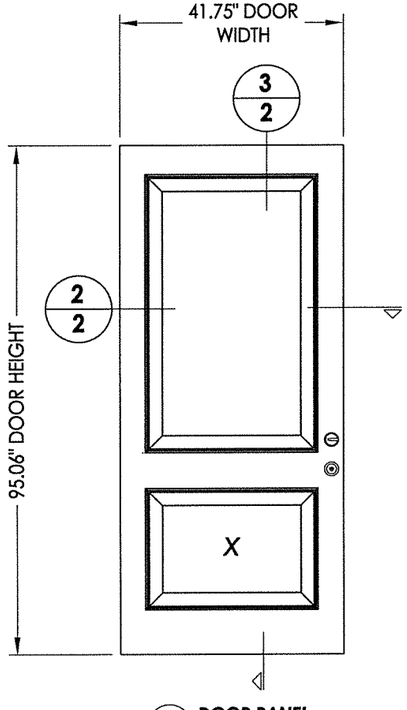


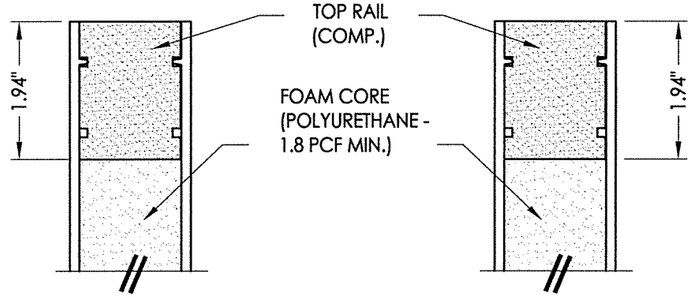
40 **DOOR PANEL**
Book Door

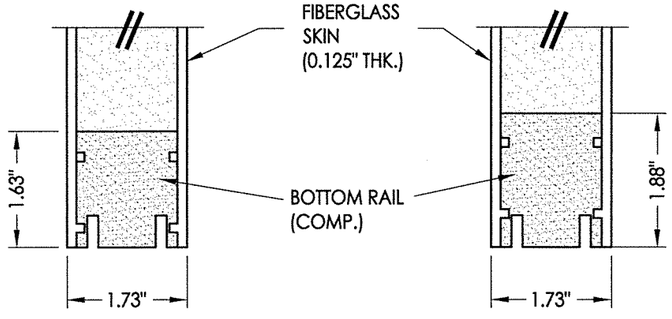


41 **DOOR PANEL**
Hybrid Door



42 **DOOR PANEL**
U1 Door





3/2 **VERTICAL CROSS SECTION**

4/2 **VERTICAL CROSS SECTION**

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

PRODUCT: *THERMA-TRU FIBERGLASS DOOR*

PART OR ASSEMBLY: *DOOR PANEL DETAILS*

NO.	DATE	BY
	REVISIONS	

DATE: 2/10/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4601
SHEET 2 OF 9

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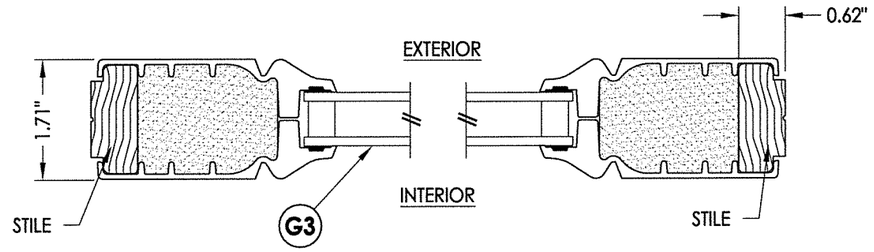
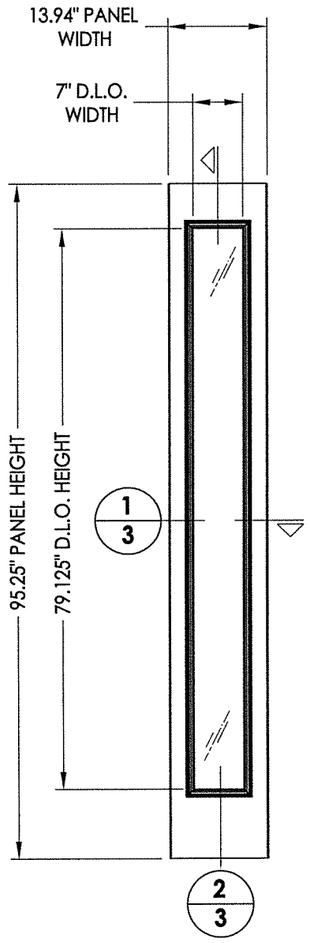
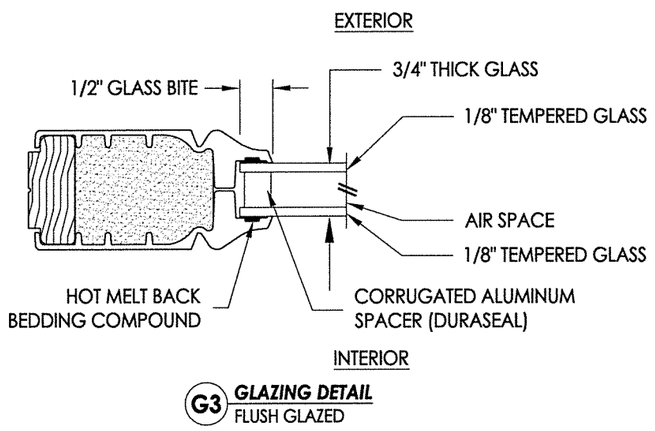


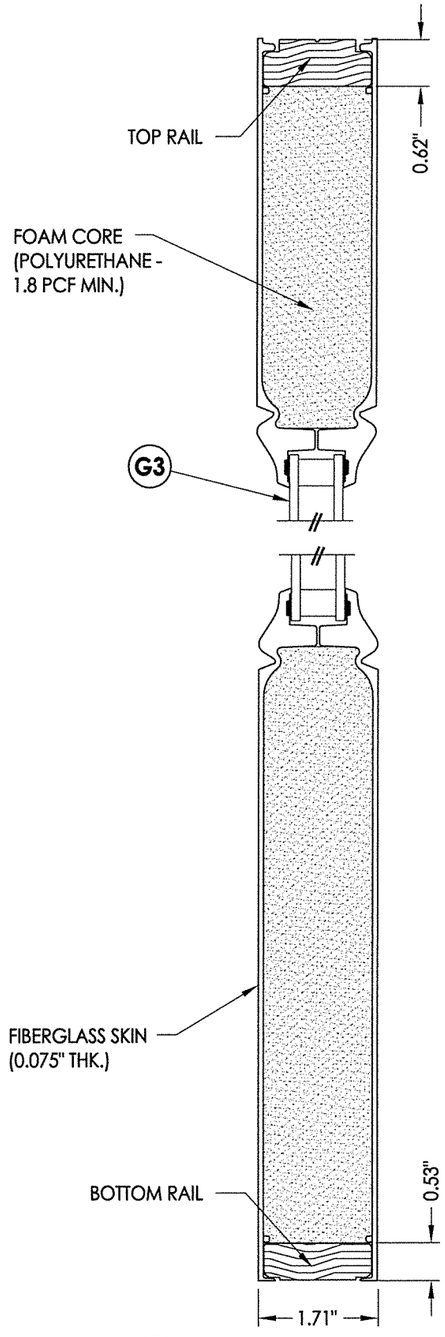
1/3 **HORIZONTAL CROSS SECTION**



50 **SIDELITE PANEL**
FLUSH GLAZED



G3 **GLAZING DETAIL**
FLUSH GLAZED



2/3 **VERTICAL CROSS SECTION**

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

PRODUCT: *THERMA-TRU FIBERGLASS DOOR*

PART OR ASSEMBLY: *SIDELITE PANEL DETAILS*

NO.	DATE	BY
REVISIONS		

DATE: 2/10/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4601
SHEET 3 OF 9

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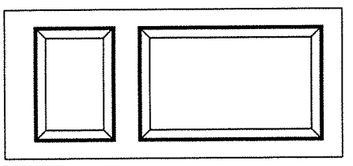
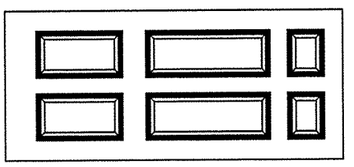
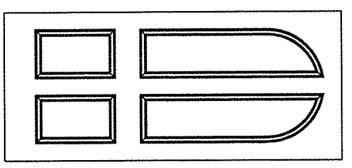
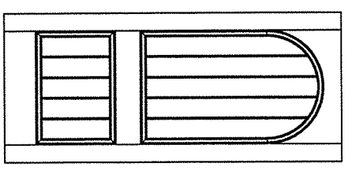
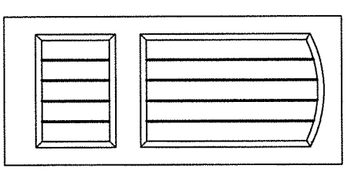
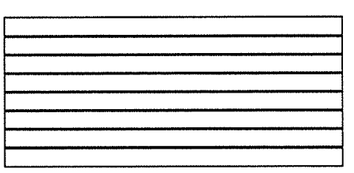


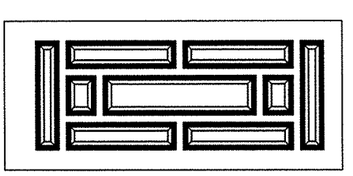






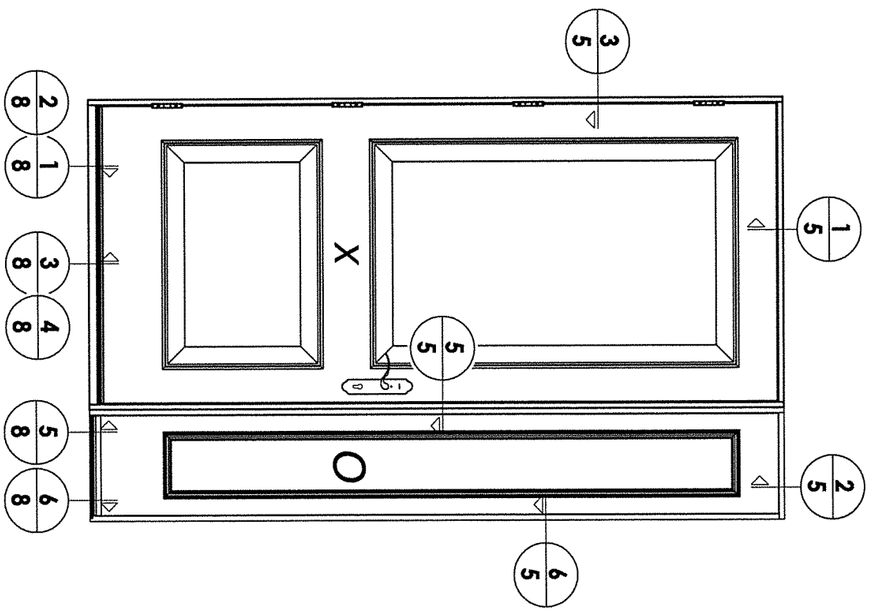


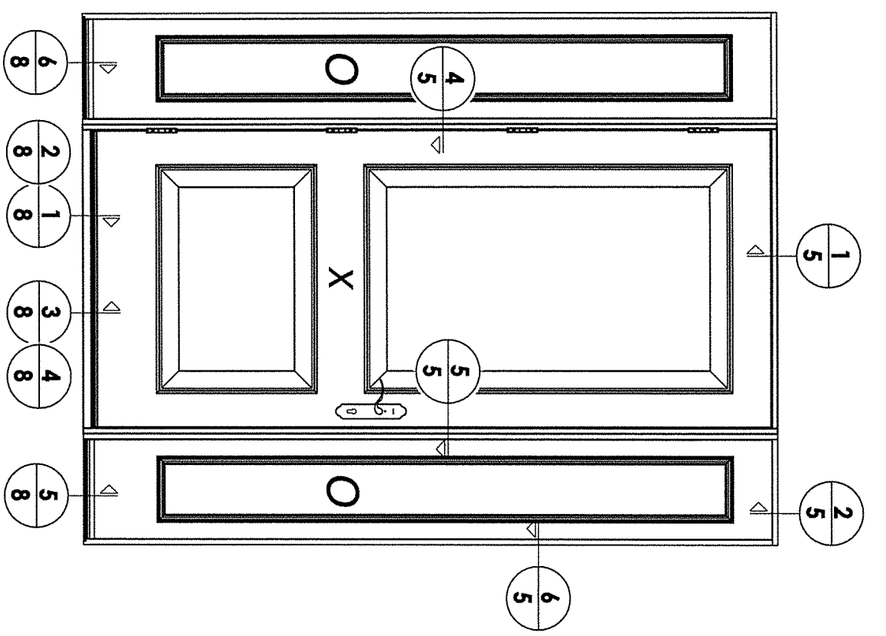




Classic Craft Door Panel Options

Panel options shown are for illustration and are representative only (similar opaque panel configurations are allowed)





HARDWARE TABLE		
	MANUFACTURER	MODEL
KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)	KWIKSET	
KNOB: F51 DEADBOLT: B60N	SCHLAGE	MULTIPOINT LOCK: MPDGART
	HOPPE (THERMA-TRU)	

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
2.12.16

NO.	DATE	BY
REVISIONS		

PRODUCT:
THERMA-TRU FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

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

DATE: 2/10/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4601
SHEET 4 OF 9

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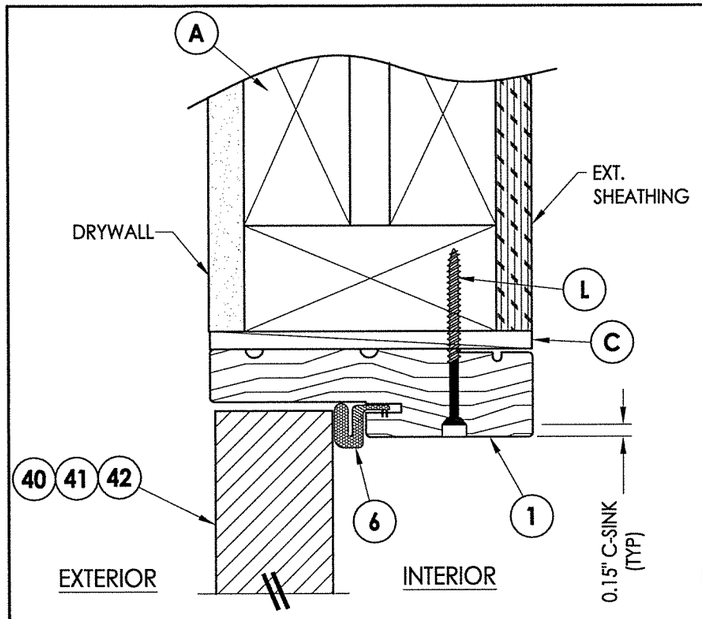
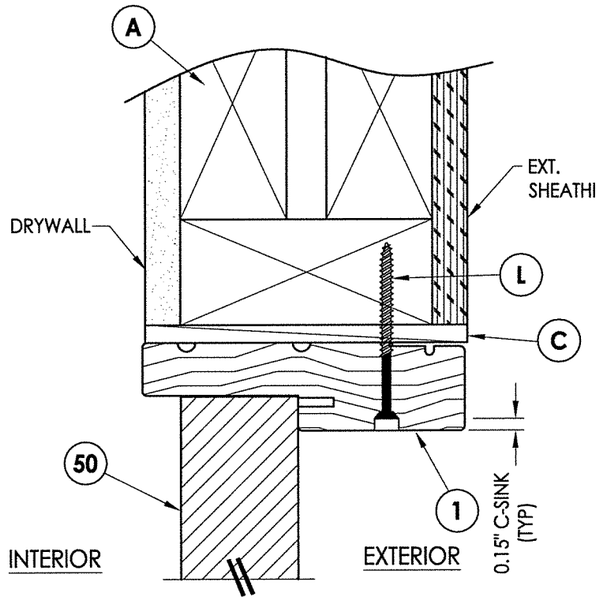
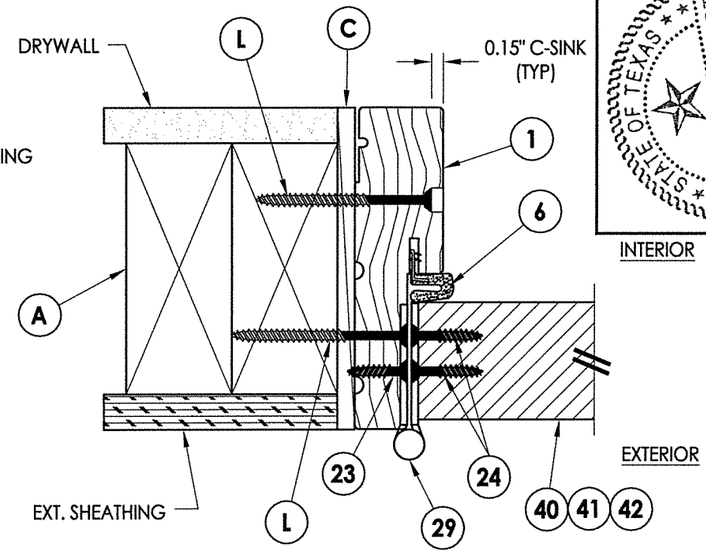


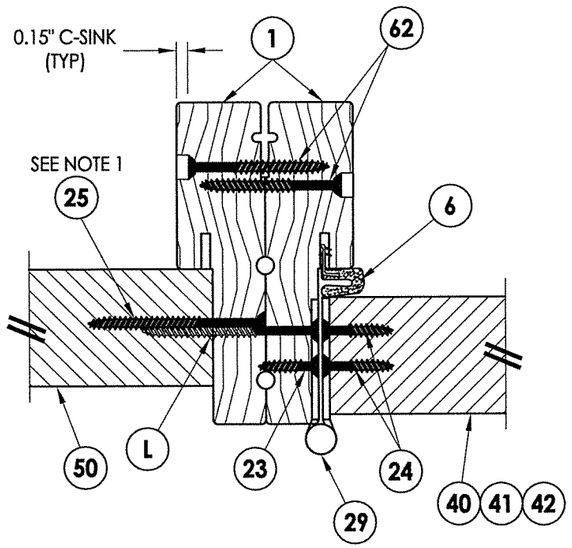
1/5 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)



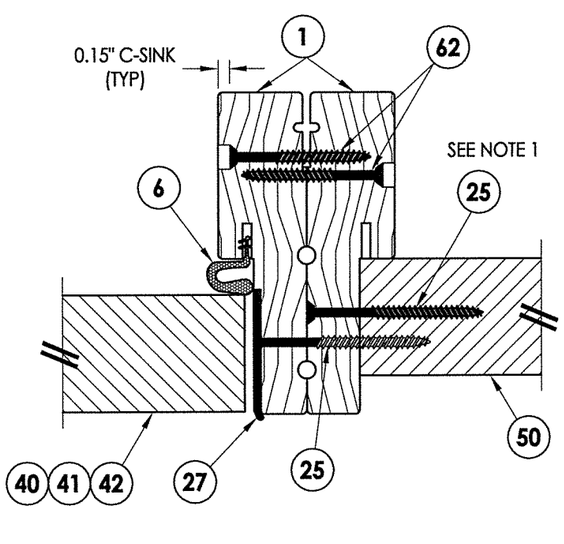
2/5 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)



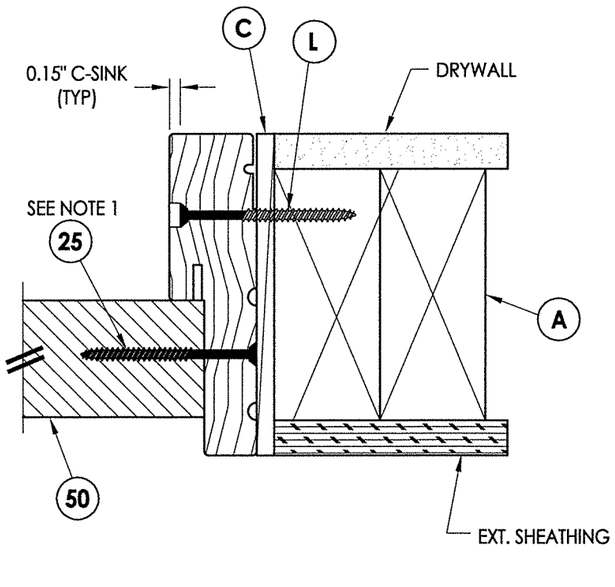
3/5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



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



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



6/5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

STATE OF TEXAS
LICENSED PROFESSIONAL ENGINEER
LYNDON F. SCHMIDT
104123
7-2-16

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

PRODUCT: *THERMA-TRU FIBERGLASS DOOR*

PART OR ASSEMBLY: *HORIZONTAL & VERTICAL CROSS SECTIONS*

NO.	DATE	BY
	REVISIONS	

DATE: 2/10/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4601
SHEET 5 OF 9

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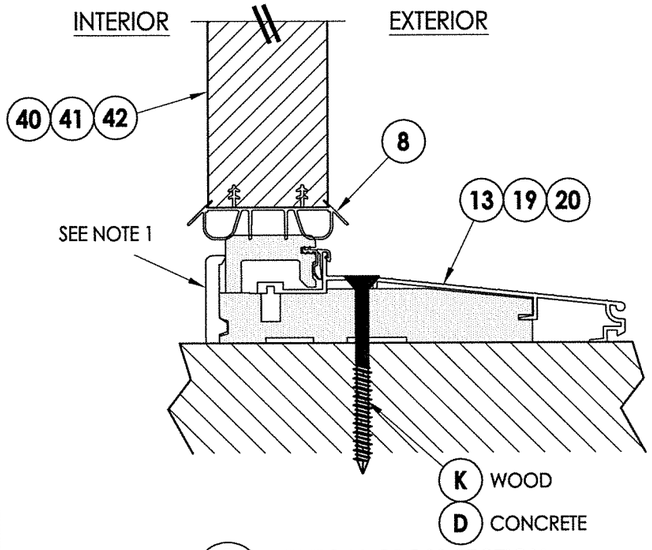
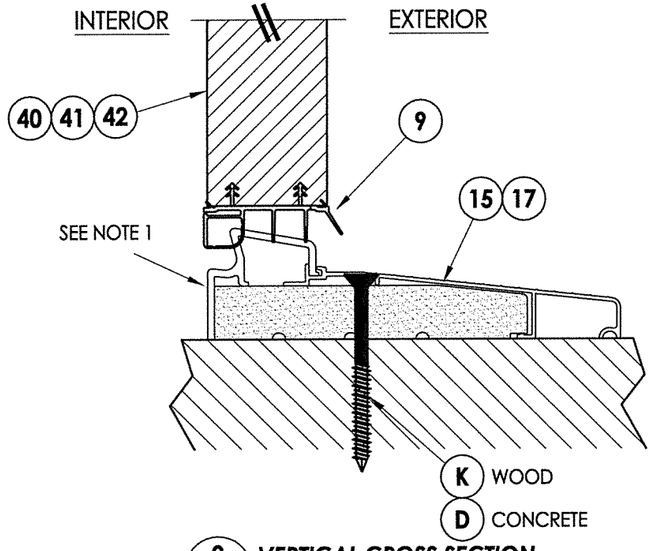
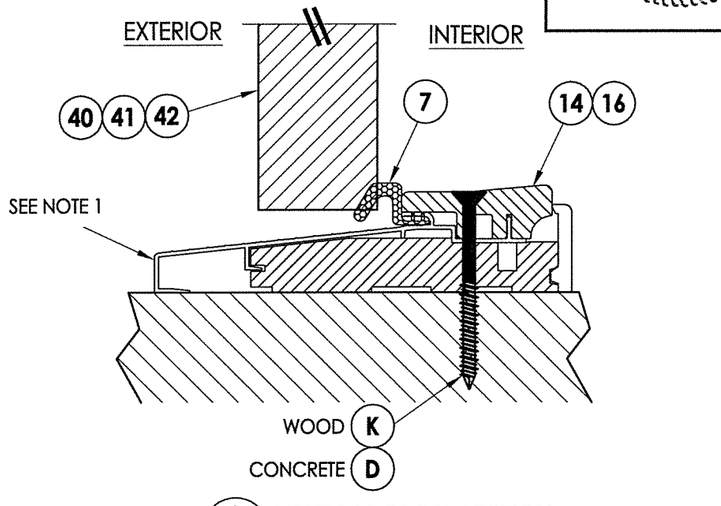
Note:
1. Sill Item #'s 13, 16, 17, 19 & 20 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
   Sill Item #'s 14 & 15 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
   Sill Item # 18 is attached to jambs utilizing (4) #10 X 1-1/2" pph screws at each end.



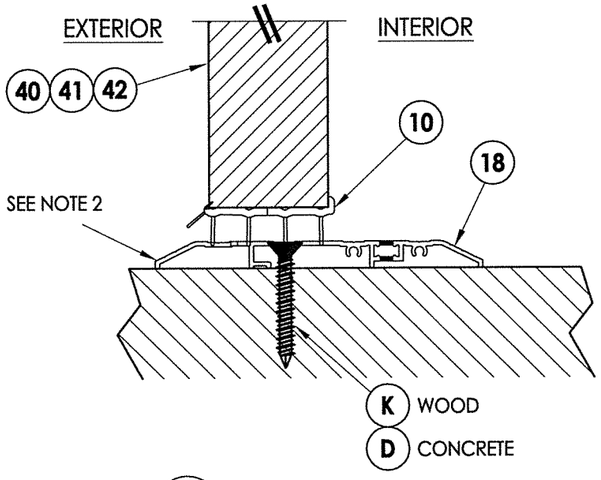
1/6 **VERTICAL CROSS SECTION**
Inswing Threshold



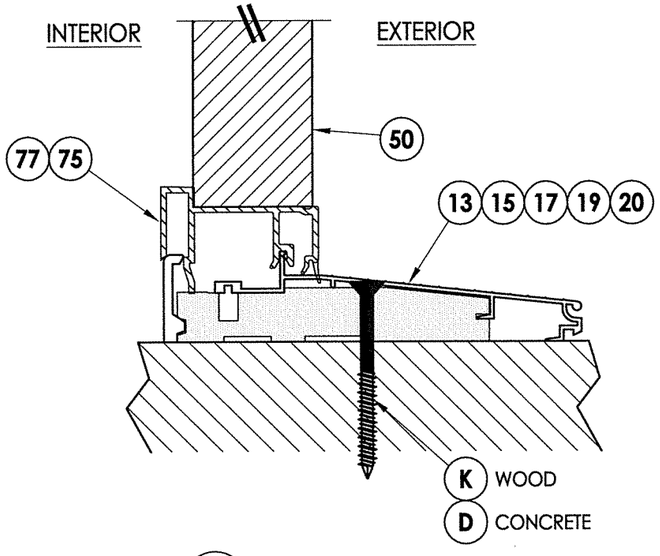
2/6 **VERTICAL CROSS SECTION**
Inswing Threshold



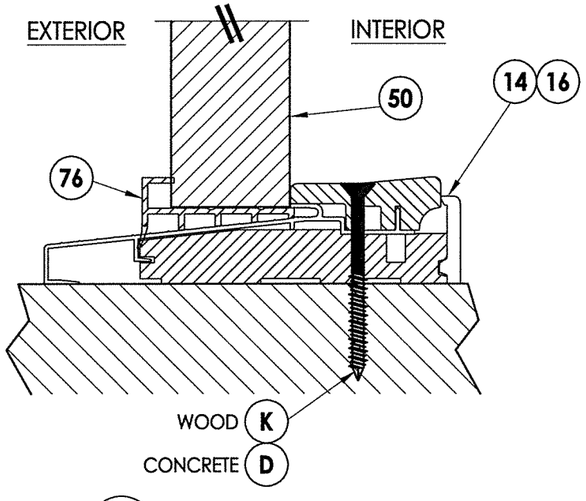
3/6 **VERTICAL CROSS SECTION**
Outswing Threshold



4/6 **VERTICAL CROSS SECTION**
Public Access Threshold



5/6 **VERTICAL CROSS SECTION**
Inswing Threshold



6/6 **VERTICAL CROSS SECTION**
Outswing Threshold

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
2-16

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

PRODUCT: *THERMA-TRU FIBERGLASS DOOR*

PART OR ASSEMBLY: *VERTICAL CROSS SECTIONS (THRESHOLDS)*

NO.	DATE	REVISIONS	BY

DATE: 2/10/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4601
SHEET 6 OF 9

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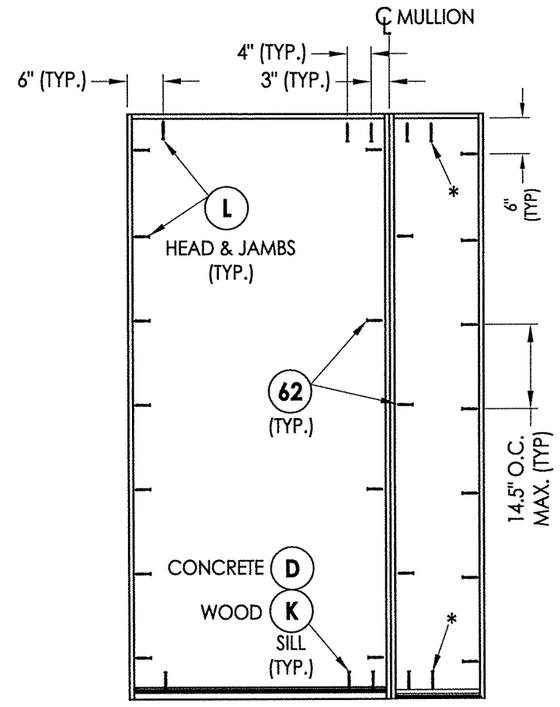
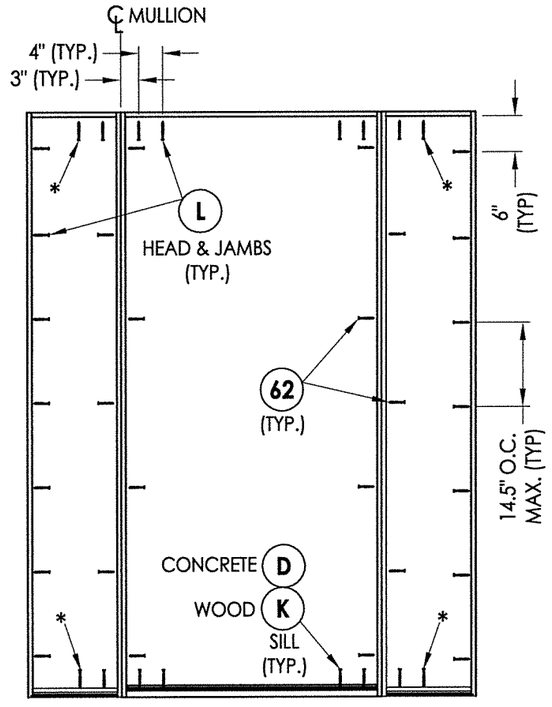


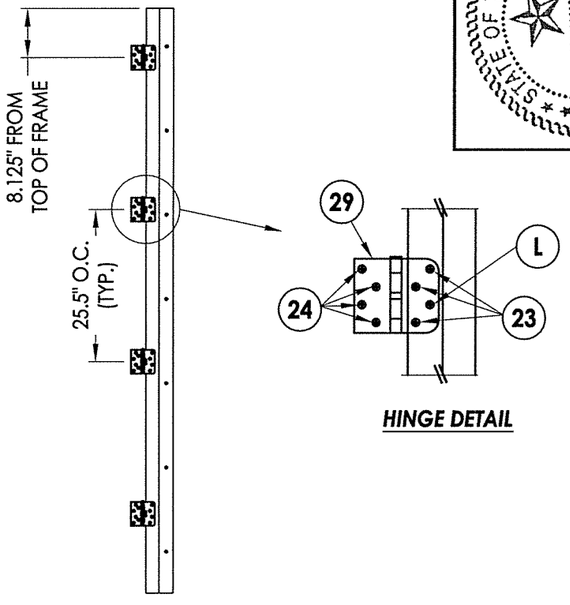
XO/OX



OXO

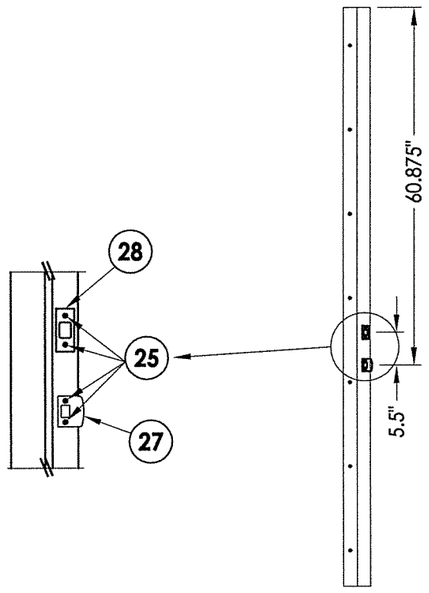
FRAME ANCHORING

* THIS ANCHOR IS REQUIRED FOR DESIGN PRESSURES > 45 PSF ONLY.

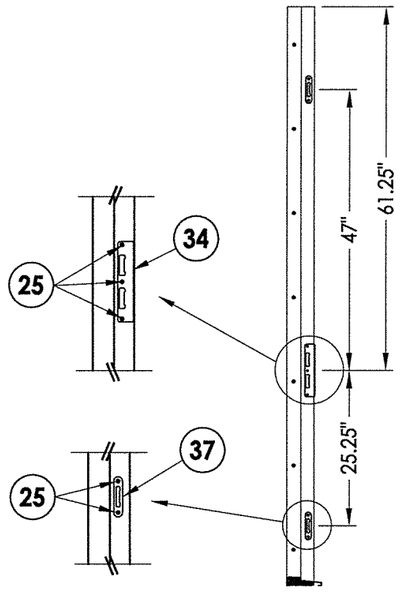


HINGE DETAIL

HINGE JAMB



LATCH AND DEADBOLT STRIKE PLATE DETAILS



MULTIPOINT LOCK STRIKE PLATE DETAILS

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
2-10-16

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

PRODUCT: THERMA-TRU FIBERGLASS DOOR

PART OR ASSEMBLY: FRAME ANCHORING & HARDWARE DETAILS

NO.	DATE	BY	REVISIONS

DATE: 2/10/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4601
SHEET 7 OF 9

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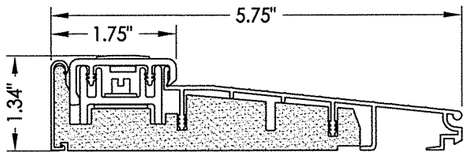
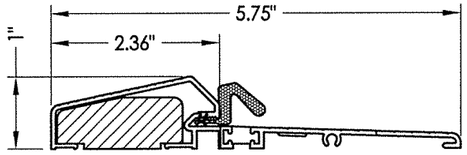
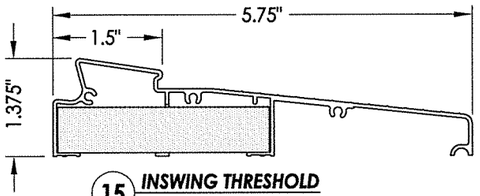


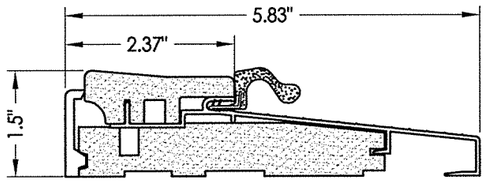
13 ***INSWING THRESHOLD***
Adjustable



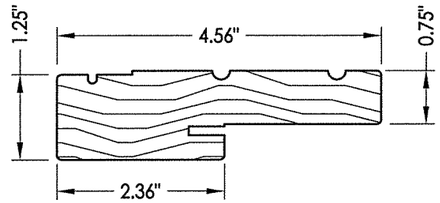
14 ***OUTSWING THRESHOLD***



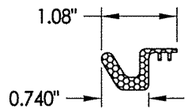
15 ***INSWING THRESHOLD***
Moderate Climate



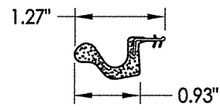
16 ***OUTSWING THRESHOLD***



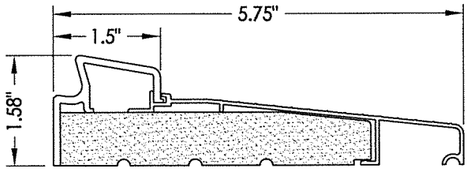
1 ***WOOD JAMB***



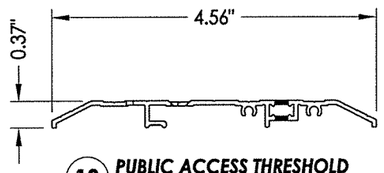
6 ***WEATHERSTRIP***
Medium Reach



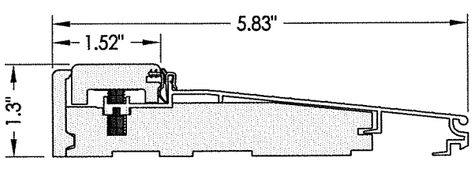
7 ***WEATHERSTRIP***
Long Reach



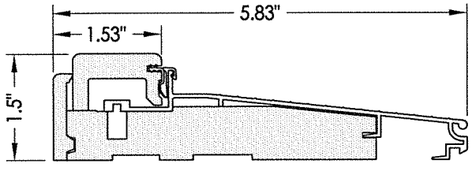
17 ***INSWING THRESHOLD***
Basic Fixed



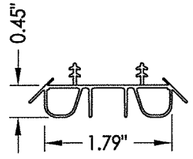
18 ***PUBLIC ACCESS THRESHOLD***



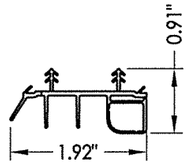
19 ***INSWING THRESHOLD***
Adjustable



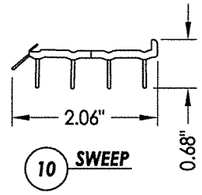
20 ***INSWING THRESHOLD***
Adjustable



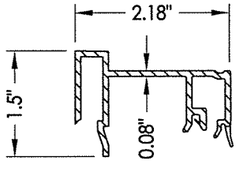
8 ***SWEEP***



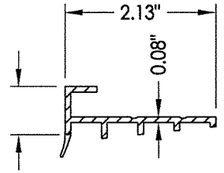
9 ***SWEEP***



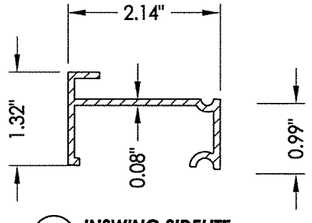
10 ***SWEEP***



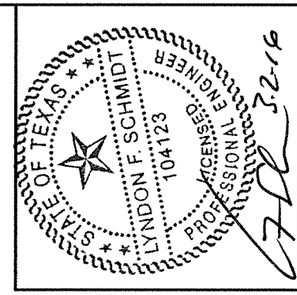
75 ***SIDELITE SPACER***
Inswing



76 ***SIDELITE SPACER***
Outswing



77 ***INSWING SIDELITE***
Adapter
Moderate Climate Threshold



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: *THERMA-TRU FIBERGLASS DOOR*

PART OR ASSEMBLY: *COMPONENTS*

NO.	DATE	REVISIONS	BY

DATE: 2/10/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4601
SHEET 8 OF 9

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BILL OF MATERIALS

ITEM #	DESCRIPTION	MATERIAL
A	1X FRAMING (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" PFH ELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
1	JAMB (FINGER JOINT PINE)	WOOD
6	WEATHERSTRIP (Medium Reach)	FOAM
7	WEATHERSTRIP (Long Reach)	FOAM
8	SWEEP	VINYL
9	SWEEP (Use w/ Moderate Climate Threshold)	VINYL
10	SWEEP (Use w/ Public Access Threshold)	VINYL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
15	INSWING THRESHOLD	ALUM/COMP
16	OUTSWING THRESHOLD	ALUM/COMP
17	INSWING THRESHOLD	ALUM/COMP
18	PUBLIC ACCESS THRESHOLD	ALUM
19	INSWING THRESHOLD	ALUM/COMP
20	INSWING THRESHOLD	ALUM/COMP
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" HINGE	STEEL
34	MULTIPOINT LATCH & DEADBOLT STRIKE PLATE	STEEL
37	MULTIPOINT TONGUE STRIKE PLATE	STEEL
40	DOOR PANEL (BOOK DOOR)	-
41	DOOR PANEL (HYBRID DOOR)	-
42	DOOR PANEL (U1 DOOR)	-
50	14" SIDELITE PANEL (FLUSH GLAZED)	-
62	#10 X 2" PFH WOOD SCREW	STEEL
75	SIDELITE SPACER (INSWING)	PVC
76	SIDELITE SPACER (OUTSWING)	PVC
77	SIDELITE SPACER (INSWING) - Moderate Climate Threshold	PVC

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
2/16

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.*

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

PRODUCT: *THERMA-TRU FIBERGLASS DOOR*

PART OR ASSEMBLY: *BILL OF MATERIALS*

NO.	DATE	BY	REVISIONS

DATE: 2/10/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4601
SHEET 9 OF 9

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