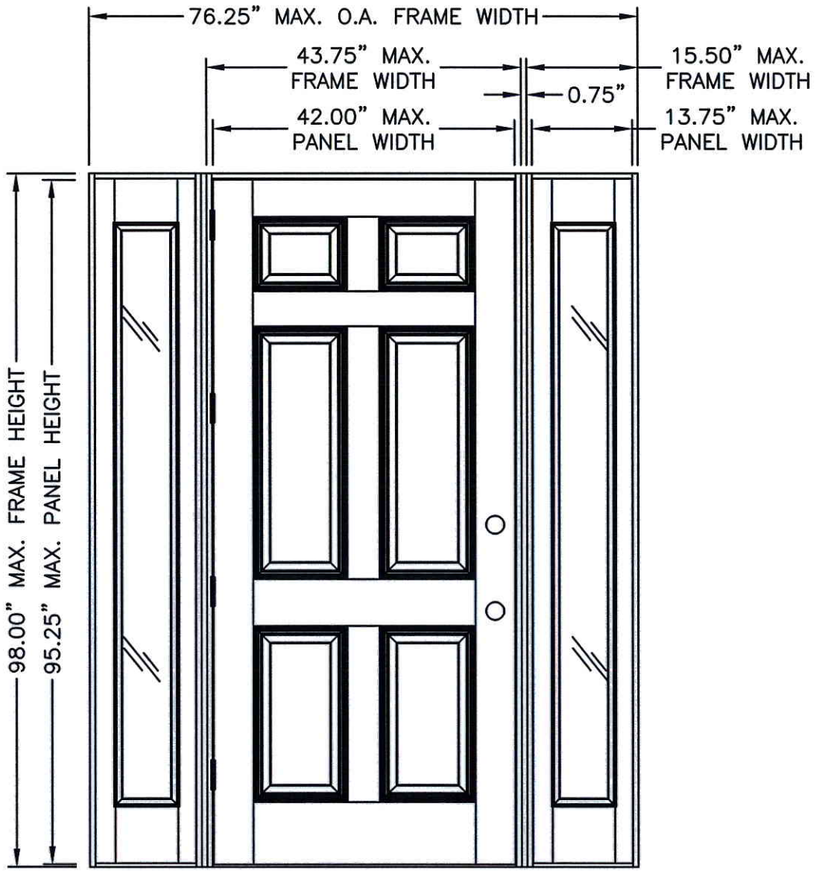
THERMA TRU®

118 INDUSTRIAL DR., EDGERTON, OH 43517
TEL. (419)298-1740

CLASSIC CRAFT & CLASSIC CRAFT RUSTIC

SINGLE "IMPACT" DOOR WITH "NON-IMPACT" SIDELITES INSWING / OUTSWING



"CLASSIC CRAFT" & "CLASSIC CRAFT RUSTIC"

EVALUATED FOR USE IN THE STATE OF TEXAS

The Fiberglass Opaque 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. The opaque door has been tested and evaluated as a large missile impact protective system for installation in the Seaward, Inland I and Inland II areas. The opaque door meets missile level "D" as defined in ASTM E 1996. The non-impact sidelites require an impact protective system when installed in the Seaward, Inland I and Inland II areas.
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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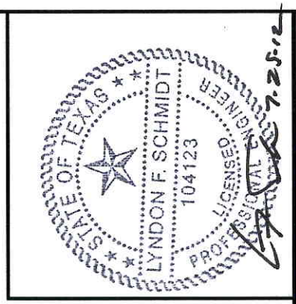
4	SIDELITE PANEL DETAILS
5	HORIZONTAL CROSS SECTIONS & GLAZING DETAILS
6	VERTICAL CROSS SECTIONS
7	VERTICAL CROSS SECTIONS
8	FRAME ANCHORING
9	COMPONENTS
10	BILL OF MATERIALS

DOOR TYPE	SWING	OVERALL FRAME DIMENSION	OVERALL SIDELITE D.L.O. DIMENSION	DESIGN PRESSURE	
				POSITIVE	NEGATIVE
CLASSIC CRAFT	OUTSWING	76.25" X 96.50"	6.75" X 79.00"	+65.0	−65.0
	INSWING	76.25" X 98.00"		+65.0	−65.0
CLASSIC CRAFT RUSTIC	OUTSWING	76.25" X 96.50"		+65.0	−65.0
	INSWING	76.25" X 98.00"		+65.0	−65.0



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: *FIBERGLASS DOOR W/SIDELITES "IMPACT" INSWING / OUTSWING*

PART OR ASSEMBLY: *TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES*

NO.	DATE	BY	REVISIONS

DATE: 7/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4183
SHEET 1 OF 10

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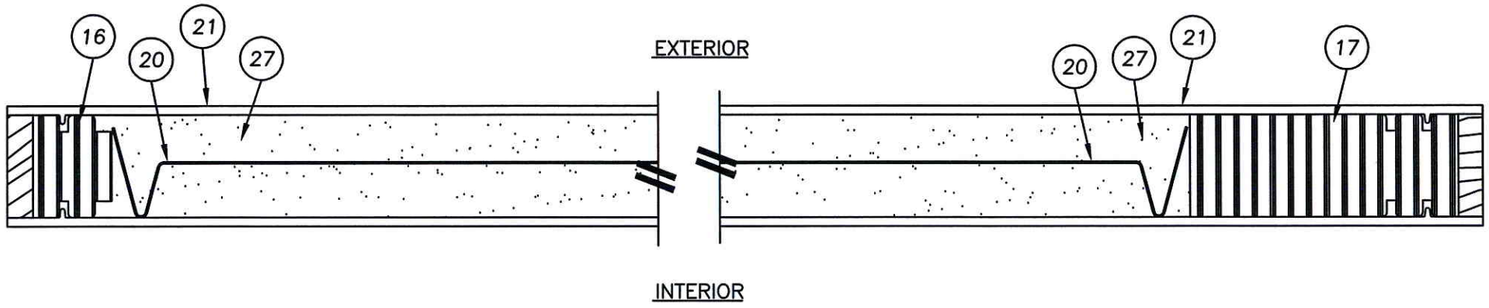
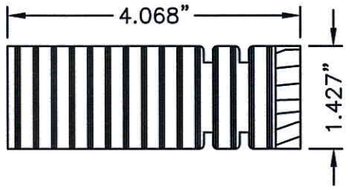
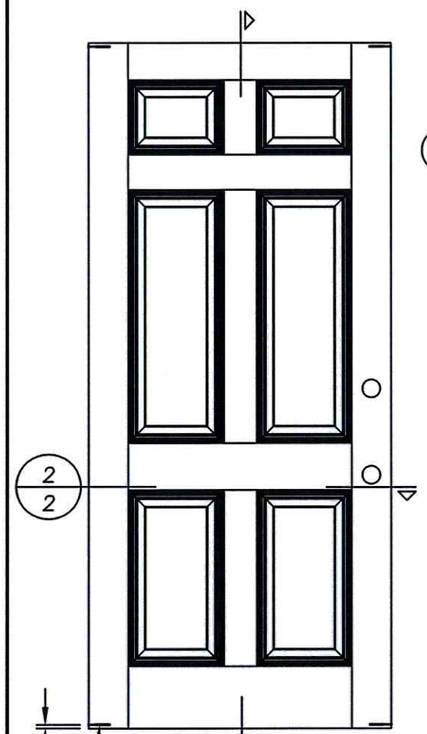


2/2 HORIZONTAL CROSS SECTION
CLASSIC CRAFT

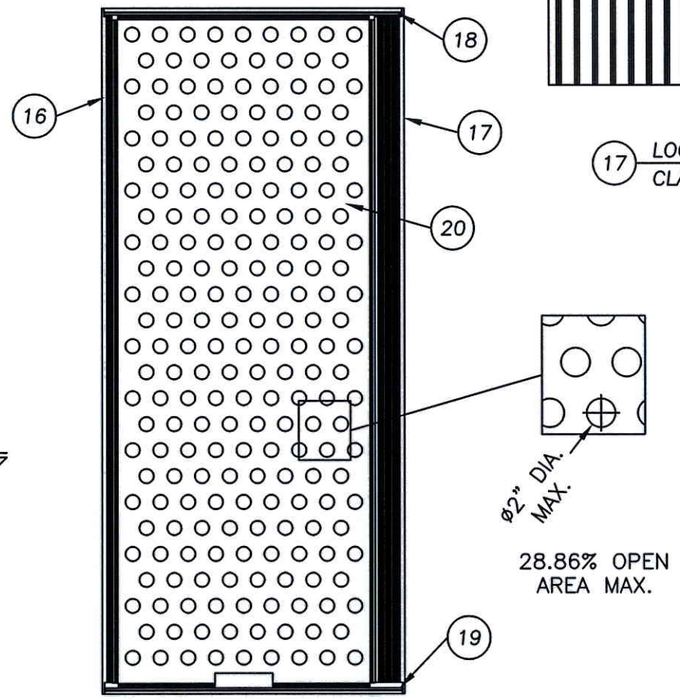


17 LOCK STILE
CLASSIC CRAFT

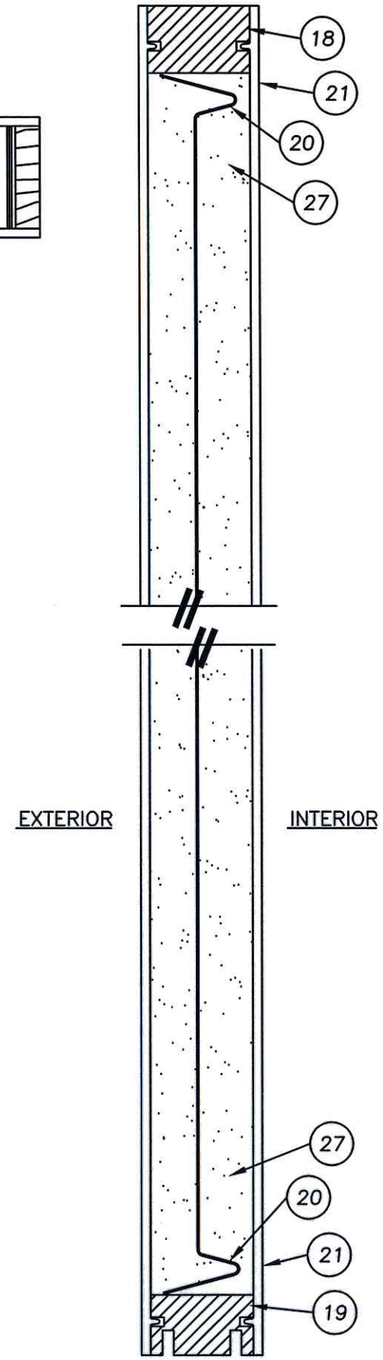


CLASSIC CRAFT

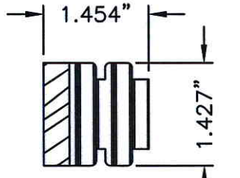
32 TYP. 4 CORNERS OF PANEL



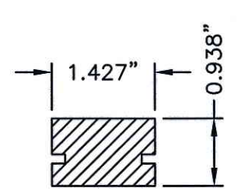
28.86% OPEN AREA MAX.



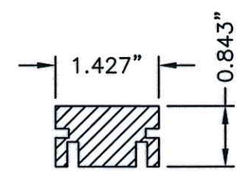
1/2 VERTICAL CROSS SECTION
CLASSIC CRAFT



16 HINGE STILE
CLASSIC CRAFT



18 TOP RAIL
CLASSIC CRAFT



19 BOTTOM RAIL
CLASSIC CRAFT

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
5-25-12

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

PRODUCT: SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITES "IMPACT" INSWING / OUTSWING

PART OR ASSEMBLY: DOOR PANEL DETAILS (CLASSIC CRAFT)

NO.	DATE	REVISIONS	BY

DATE: 7/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4183
SHEET 2 OF 10

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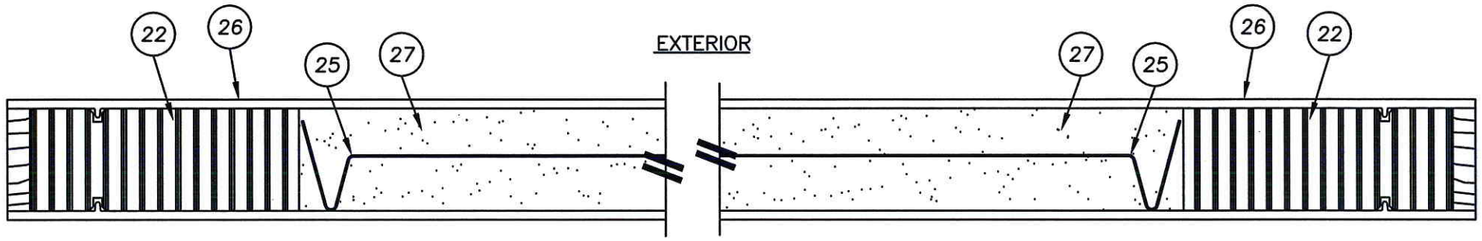
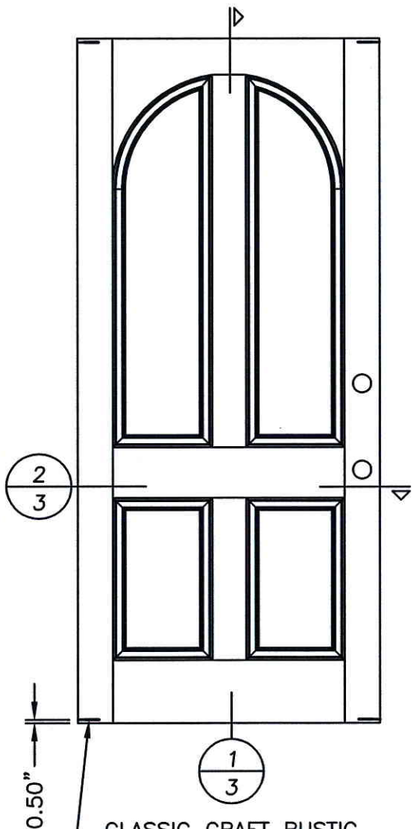
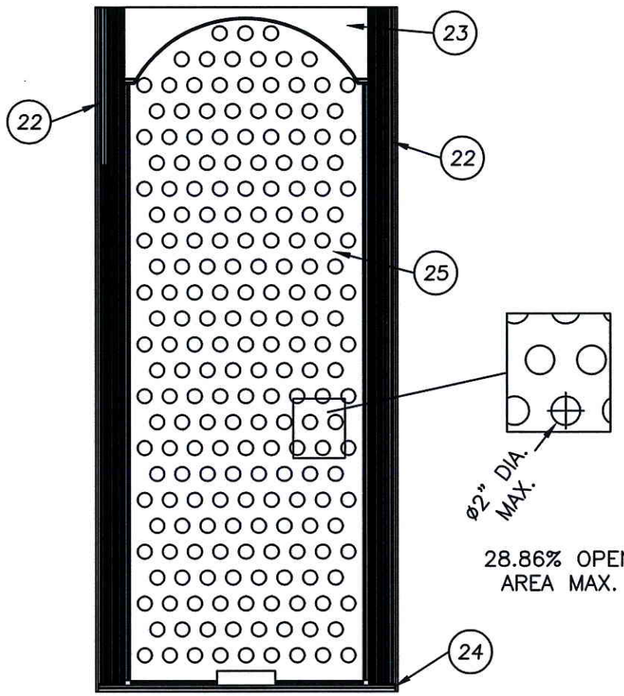


2/3 HORIZONTAL CROSS SECTION
CLASSIC CRAFT RUSTIC

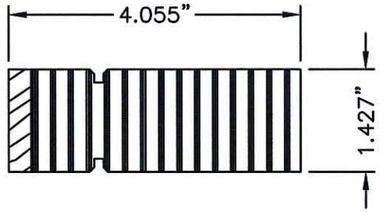


CLASSIC CRAFT RUSTIC

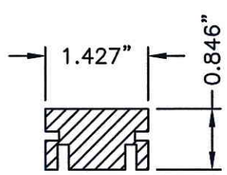
32 TYP. 4 CORNERS OF PANEL



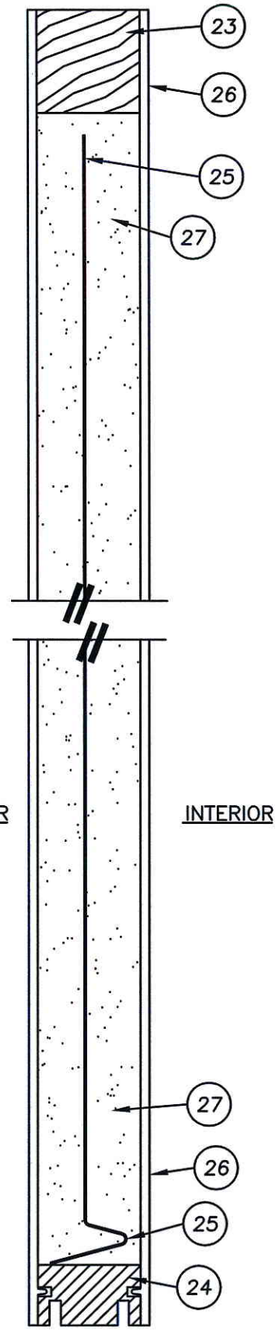
28.86% OPEN AREA MAX.



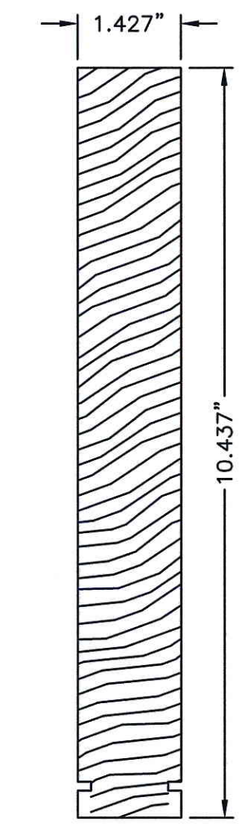
22 LOCK & HINGE STILE
CLASSIC CRAFT RUSTIC



24 BOTTOM RAIL
CLASSIC CRAFT RUSTIC



1/3 VERTICAL CROSS SECTION
CLASSIC CRAFT RUSTIC



23 TOP RAIL
CLASSIC CRAFT RUSTIC

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

RW BUILDING CONSULTANTS, INC.
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITES "IMPACT" INSWING / OUTSWING

PART OR ASSEMBLY: DOOR PANEL DETAILS (CLASSIC CRAFT RUSTIC)

NO.	DATE	REVISIONS	BY

DATE: 7/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4183
SHEET 3 OF 10

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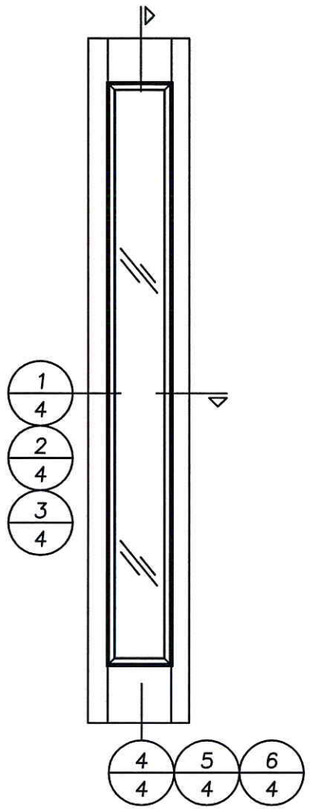
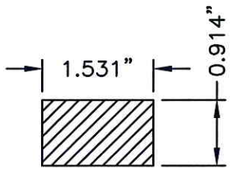
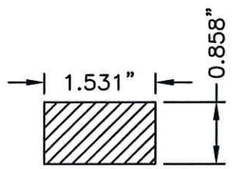
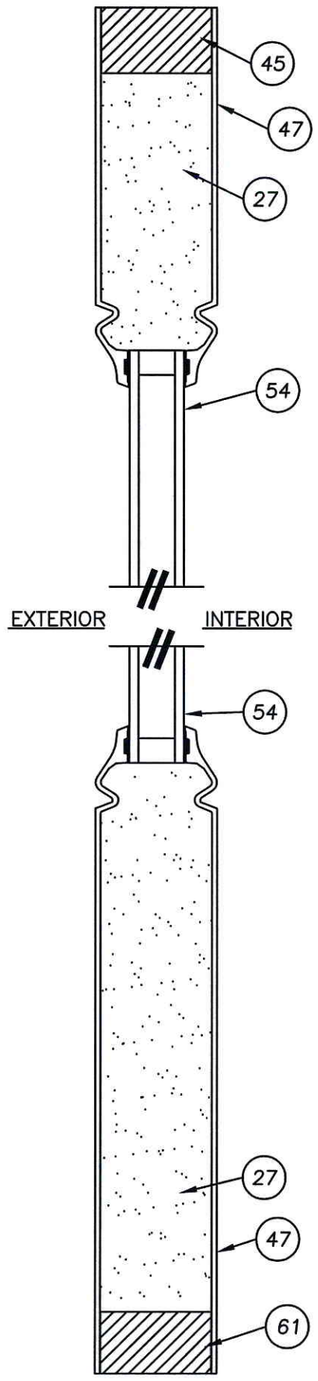




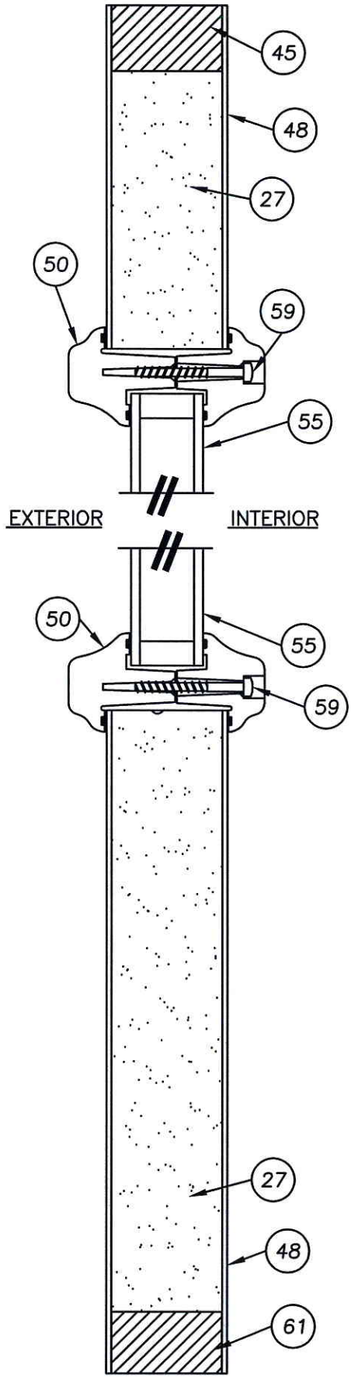
45 TOP RAIL SIDELITE



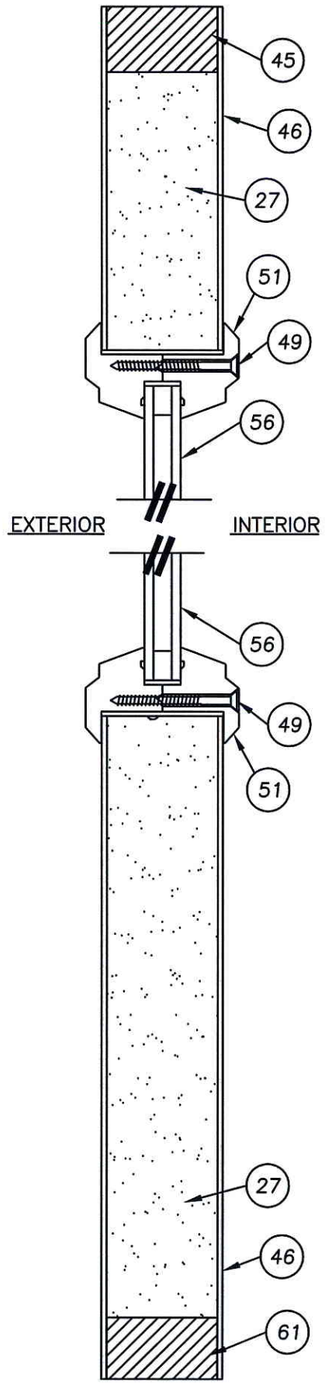
61 BOTTOM RAIL SIDELITE



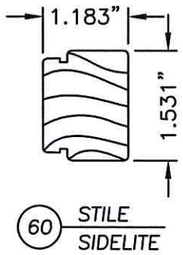
4/4 VERTICAL CROSS SECTION (CLASSIC CRAFT)



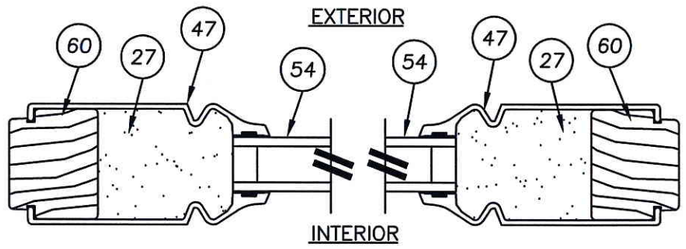
5/4 VERTICAL CROSS SECTION (FIBER CLASSIC)



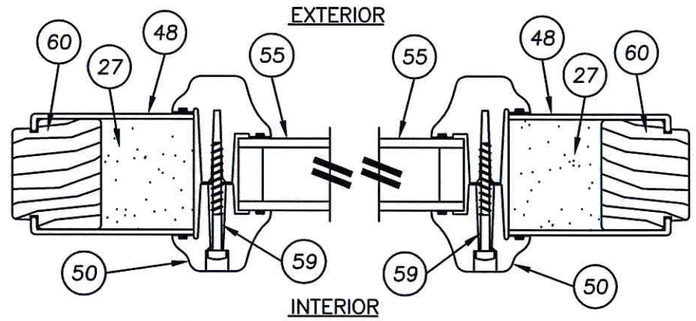
6/4 VERTICAL CROSS SECTION (SMOOTH STAR)



60 STILE SIDELITE



1/4 HORIZONTAL CROSS SECTION (CLASSIC CRAFT)



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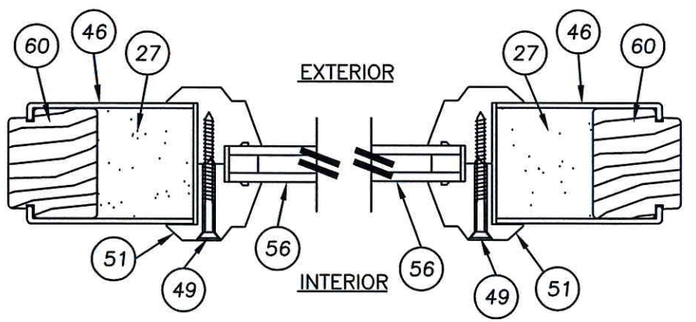

3/4 HORIZONTAL CROSS SECTION (SMOOTH STAR)

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: SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITES "IMPACT" INSWING / OUTSWING

PART OR ASSEMBLY: SIDELITE PANEL DETAILS

NO.	DATE	REVISIONS	BY

DATE: 7/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4183
SHEET 4 OF 10

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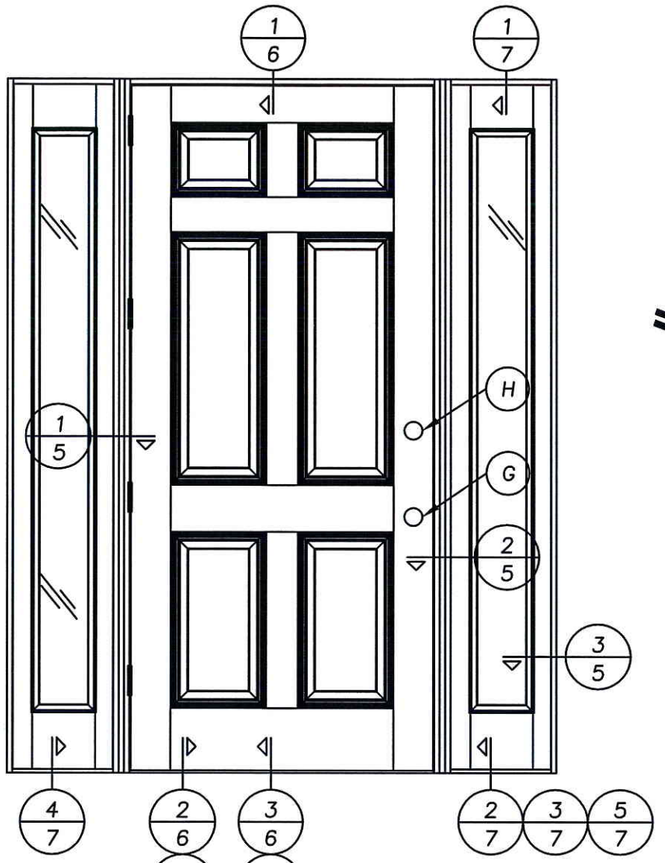
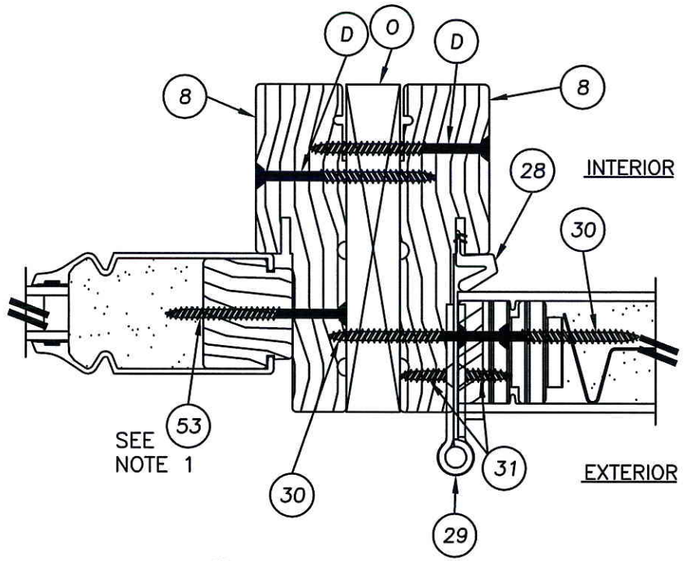
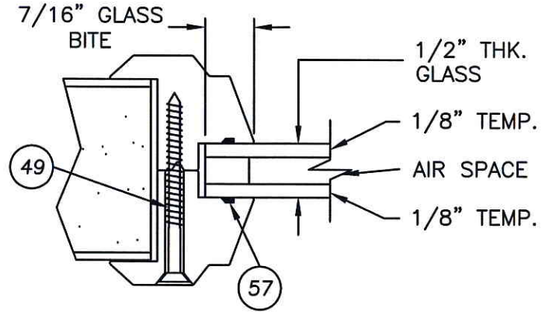


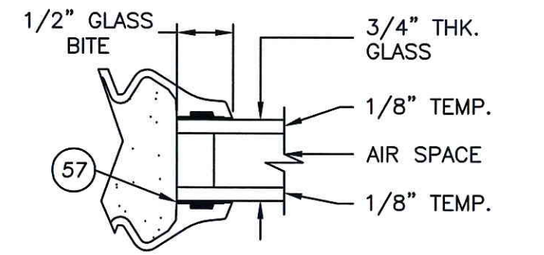


1/5 HORIZONTAL CROSS SECTION
OUTSWING SHOWN (INSWING ALSO APPROVED)
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES

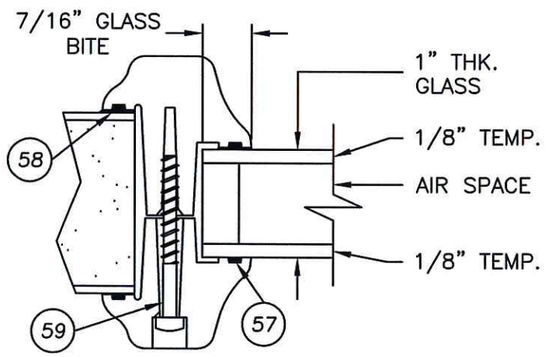
NOTE:
1. SIDELITE ASSEMBLY SCREWS LOCATED 4" FROM ENDS AND 5 MORE EQUALLY SPACED (7 TOTAL).



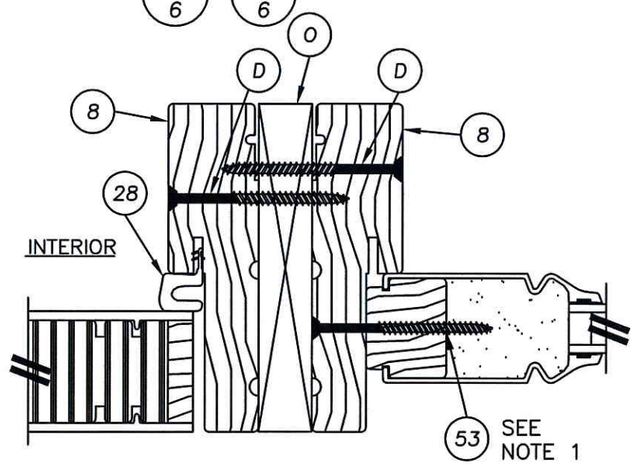
56 GLAZING DETAIL
1/2" INSUALTED GLASS



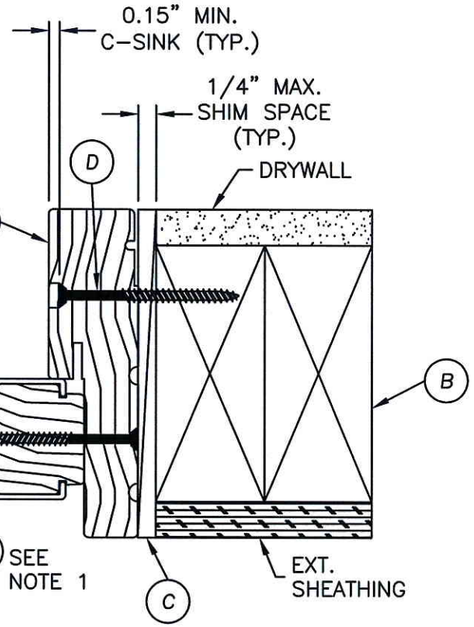
54 GLAZING DETAIL
3/4" INSUALTED GLASS



55 GLAZING DETAIL
1" INSULATED GLASS



2/5 HORIZONTAL CROSS SECTION
OUTSWING SHOWN (INSWING ALSO APPROVED)
CLASSIC CRAFT PANEL SHOWN
SEE PANEL DETAILS FOR
OPTIONAL PANEL TYPES



3/5 HORIZONTAL CROSS SECTION
OUTSWING SHOWN (INSWING ALSO APPROVED)
CLASSIC CRAFT PANEL SHOWN
SEE SIDELITE PANEL DETAILS FOR
OPTIONAL PANEL TYPES

Documents Prepared By: Lyndon F. Schmidt, P.E.
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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: SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITES "IMPACT" INSWING / OUTSWING
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS & GLAZING DETAILS

NO.	DATE	BY	REVISIONS

DATE: 7/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4183
SHEET 5 OF 10

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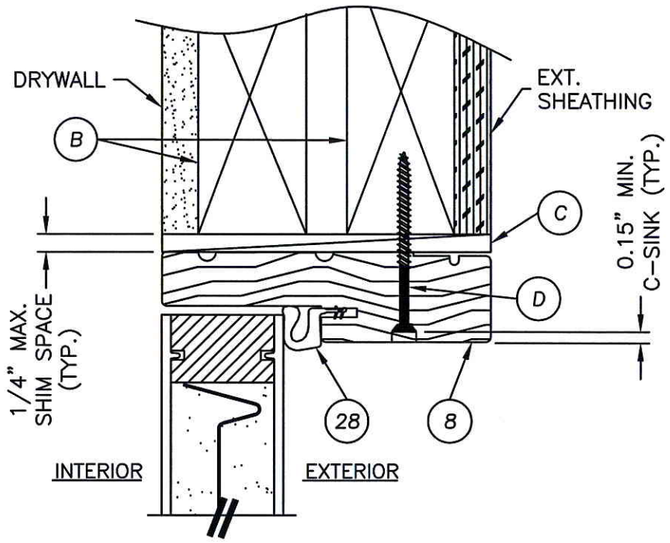
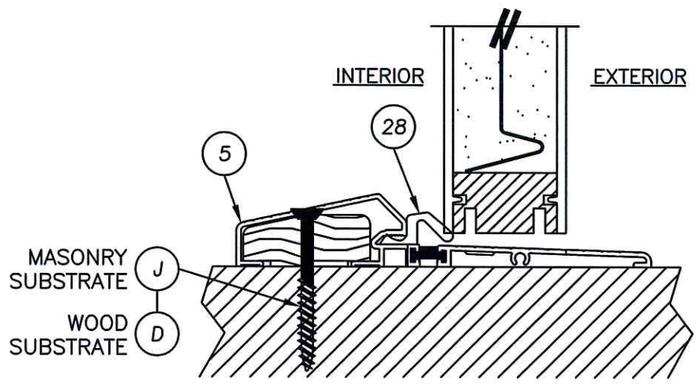


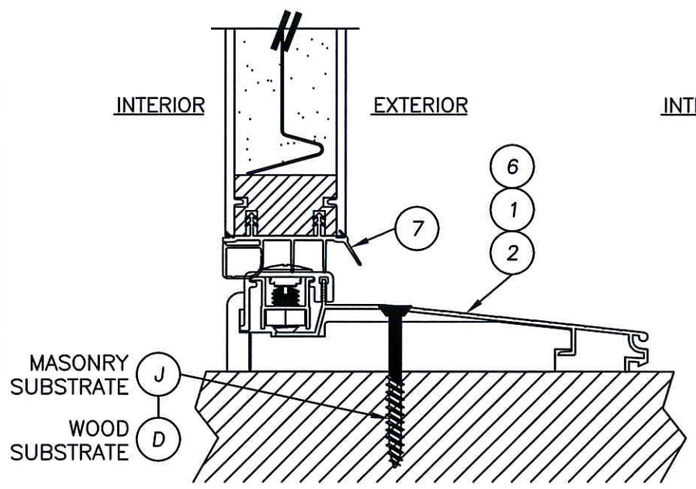
1/6 VERTICAL CROSS SECTION

INSWING SHOWN (OUTSWING ALSO APPROVED)
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



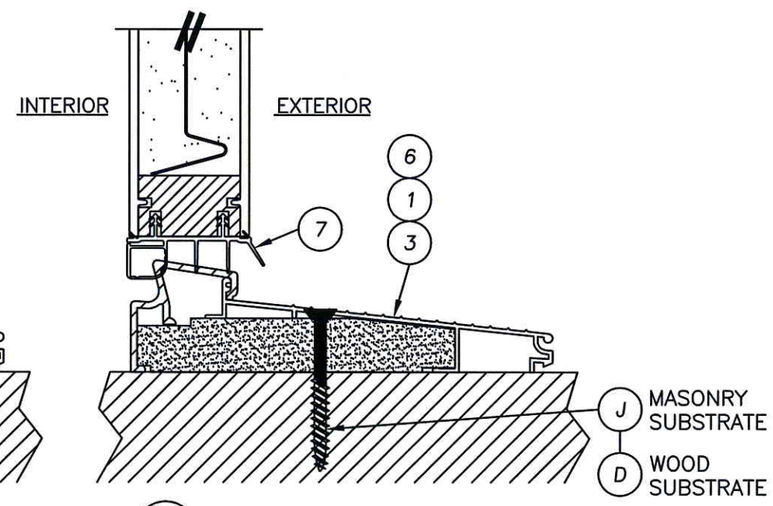
3/6 VERTICAL CROSS SECTION

@ THRESHOLD
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



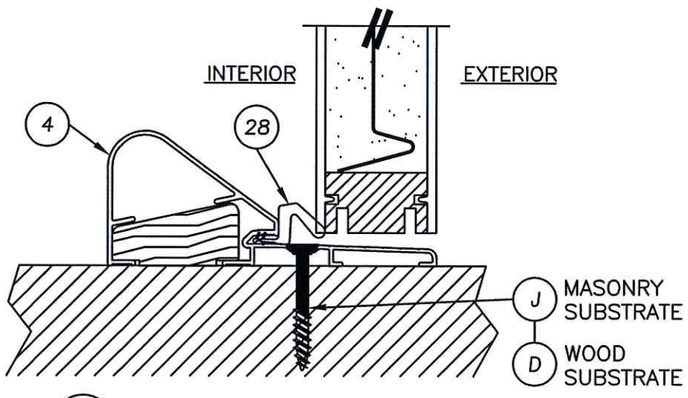
4/6 VERTICAL CROSS SECTION

@ THRESHOLD
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



5/6 VERTICAL CROSS SECTION

@ THRESHOLD
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



6/6 VERTICAL CROSS SECTION

@ THRESHOLD
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
7.25.12

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: SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITES "IMPACT" INSWING / OUTSWING

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	BY
REVISIONS		

DATE: 7/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4183
SHEET 6 OF 10

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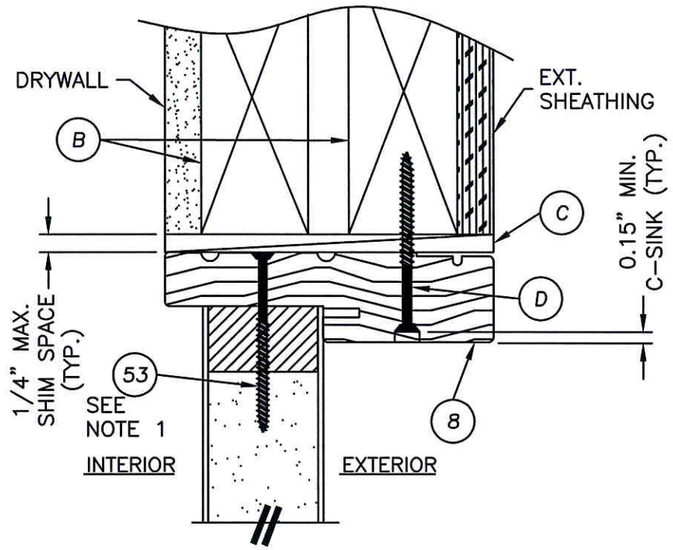
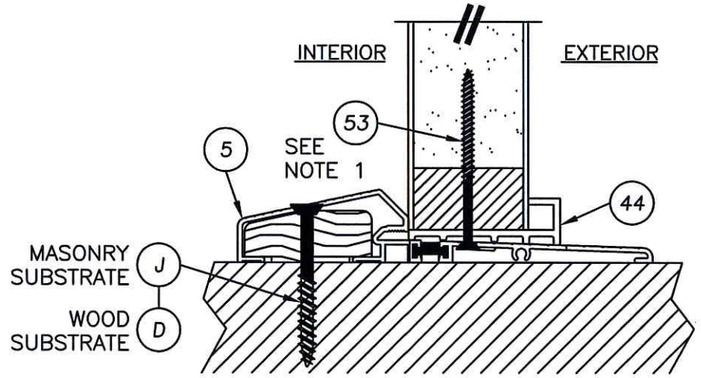
NOTE:
1. SIDELITE ASSEMBLY SCREWS LOCATED 4.25" FROM ENDS (2 TOTAL).



1/7 VERTICAL CROSS SECTION



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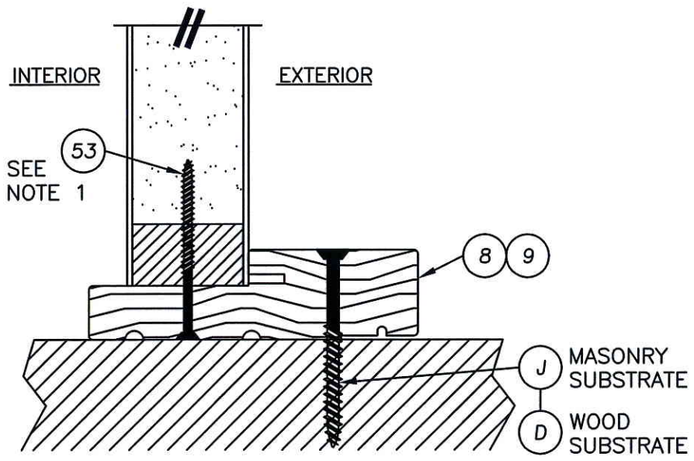

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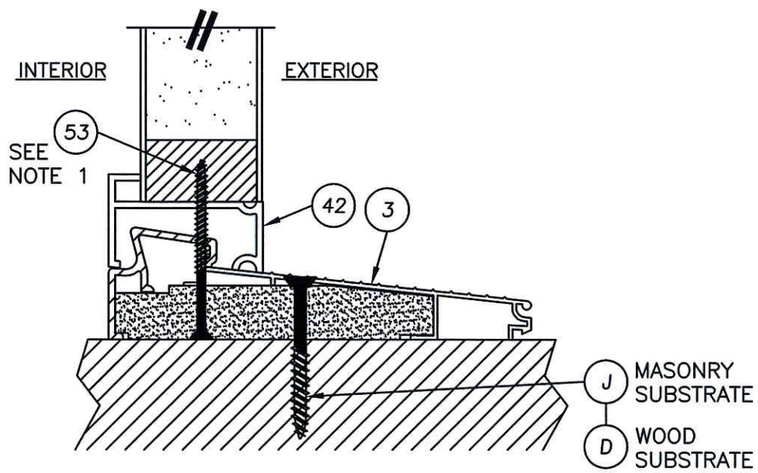
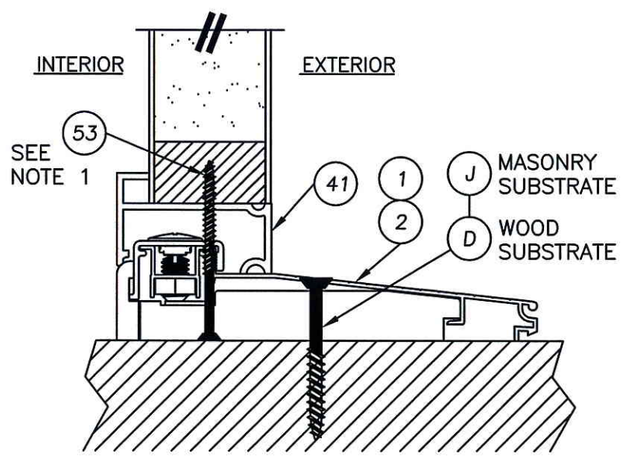


3/7 VERTICAL CROSS SECTION



6/7 VERTICAL CROSS SECTION

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PRODUCT: SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITES "IMPACT" INSWING / OUTSWING
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	BY
REVISIONS		

DATE: 7/16/12
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DWG. BY: JK
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DRAWING NO.: TX-4183
SHEET 7 OF 10

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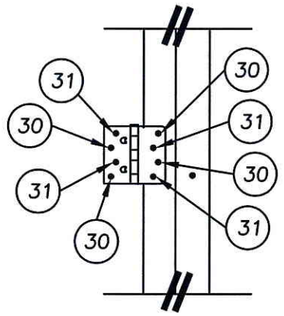
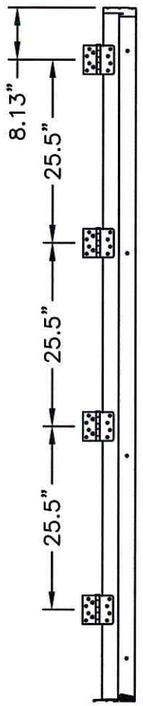


HINGE DETAIL



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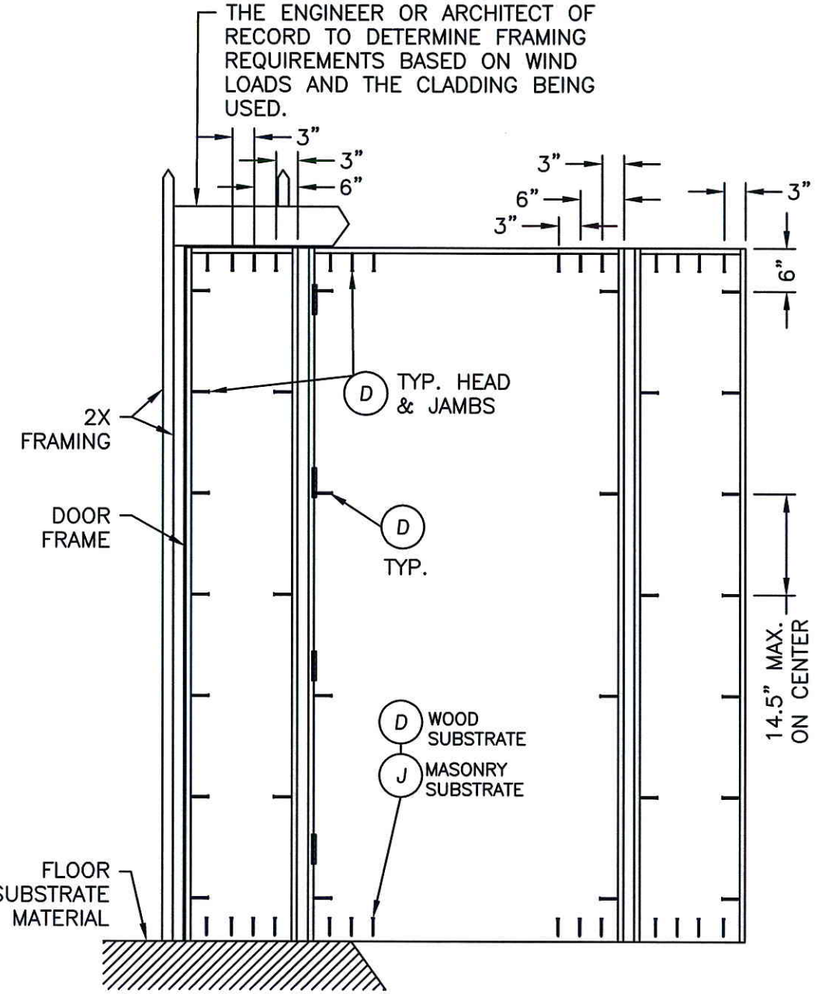
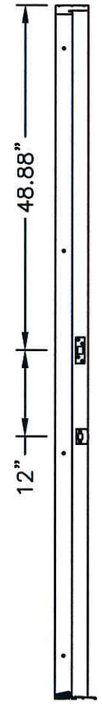
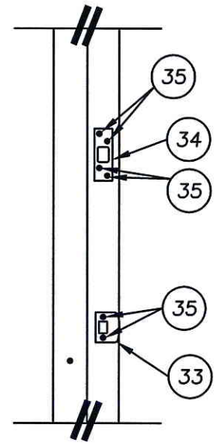


FRAME ANCHORING



STRIKE PLATE DETAIL



STRIKE PLATE DETAIL

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"

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITES "IMPACT" INSWING / OUTSWING

PART OR ASSEMBLY: FRAME ANCHORING

NO.	DATE	BY	REVISIONS

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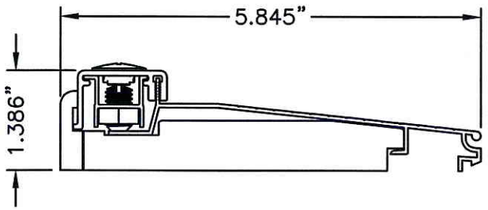
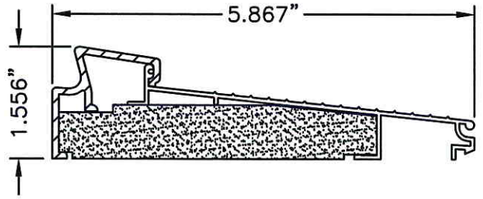
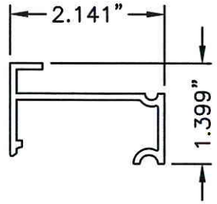


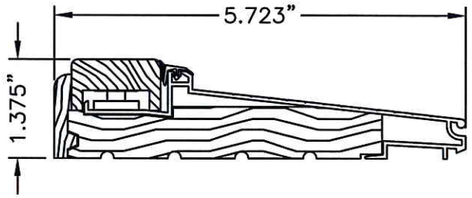
2 THRESHOLD
INSWING ADJUSTABLE



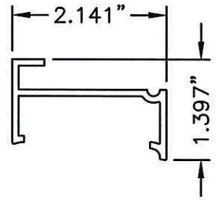
3 THRESHOLD
INSWING SELF-ADJUST



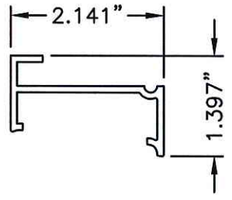
41 INSWING SIDELITE
SPACER



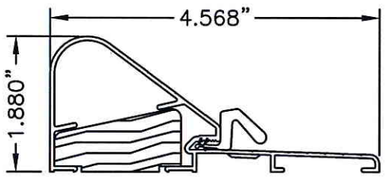
1 THRESHOLD
INSWING ADJUSTABLE



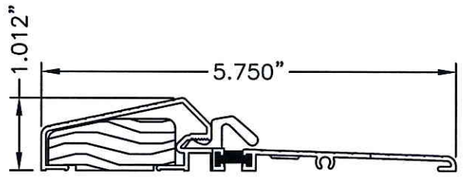
40 INSWING SIDELITE
SPACER



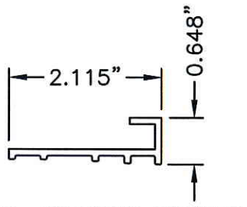
43 INSWING SIDELITE
SPACER



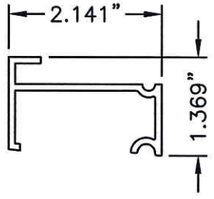
4 THRESHOLD
OUTSWING COASTAL



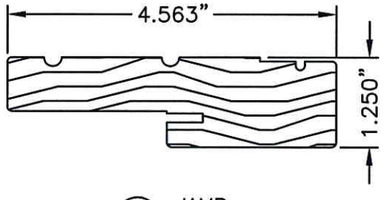
5 THRESHOLD
OUTSWING STANDARD



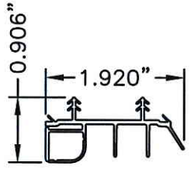
44 OUTSWING SIDELITE
SPACER



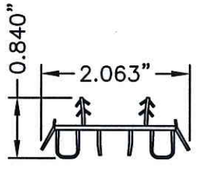
42 INSWING SIDELITE
SPACER



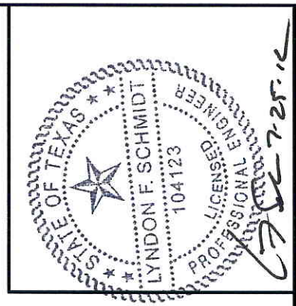
8 JAMB



7 SWEEP



52 SWEEP



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

PRODUCT: SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITES "IMPACT" INSWING / OUTSWING

PART OR ASSEMBLY: COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 7/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4183
SHEET 9 OF 10

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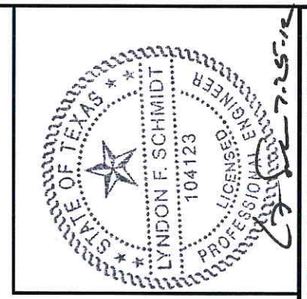
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	WOOD
D	#10 X 2-1/2" PFH WOOD SCREW	STEEL
G	KWIKSET SIGNATURE SERIES (740) PASSAGE LOCK	STEEL
H	KWIKSET SIGNATURE SERIES (780) DEADBOLT	STEEL
J	1/4" ELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMB.)	STEEL
O	1X MULLION (G >= 0.42)	WOOD
1	INSWING ADJUSTABLE THRESHOLD (IS300AJ)	ALUM./WOOD
2	INSWING THRESHOLD (IS300HP5)	ALUM./COMP.
3	INSWING SELF ADJUST THERMAL BREAK THRESHOLD (ISP30M)	ALUM./COMP.
4	OUTSWING COASTAL THRESHOLD	ALUM./WOOD
5	OUTSWING STANDARD THRESHOLD	ALUM./WOOD
7	DOOR BOTTOM SWEEP	VINYL
8	JAMB (OAK)	WOOD
16	HINGE STILE (CLASSIC CRAFT)	WOOD/LVL
17	LOCK STILE (CLASSIC CRAFT)	WOOD/LVL
18	TOP RAIL (CLASSIC CRAFT)	PVC
19	BOTTOM RAIL (CLASSIC CRAFT)	PVC
20	PANEL REINFORCEMENT 0.023" THK. (CLASSIC CRAFT)	STEEL
21	DOOR SKIN 0.125" THK. (CLASSIC CRAFT) Fy = 6,000 PSI MIN.	FIBERGLASS
22	LOCK & HINGE STILE (CLASSIC CRAFT RUSTIC)	WOOD/LVL
23	TOP RAIL (CLASSIC CRAFT RUSTIC)	WOOD
24	BOTTOM RAIL (CLASSIC CRAFT RUSTIC)	PVC
25	PANEL REINFORCEMENT 0.023" THK. (CLASSIC CRAFT RUSTIC)	STEEL
26	DOOR SKIN 0.125" THK. (CC RUSTIC) Fy = 6,000 PSI MIN.	FIBERGLASS
27	FOAM CORE	POLYURETHANE
28	WEATHERSTRIP	FOAM
29	HINGE	STEEL
30	#10 X 2-1/2" PFH SCREW	STEEL
31	#10 X 3/4" PFH SCREW	STEEL
32	#9 X 3" PFH WOOD SCREW	STEEL
33	LATCH STRIKE PLATE	STEEL
34	SECURITY STRIKE PLATE (SINGLE DOOR ONLY)	STEEL
35	#8 X 3" PFH SCREW	STEEL

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
40	INSWING SIDELITE SPACER FOR ADJUSTABLE THRESHOLD (DB14AJA)	PVC
41	INSWING SIDELITE SPACER FOR HP THRESHOLD (DB14HPA)	PVC
42	INSWING SIDELITE SPACER FOR SELF ADJUST THRESHOLD (DB14)	PVC
43	INSWING SIDELITE SPACER	PVC
44	OUTSWING SIDELITE SPACER	PVC
45	SIDELITE TOP RAIL	PVC
46	SIDELITE SKIN 0.070" THK. (SMOOTH STAR) Fy = 6,000 PSI MIN.	FIBERGLASS
47	SIDELITE SKIN 0.090" THK. (CLASSIC CRAFT) Fy = 6,000 PSI MIN.	FIBERGLASS
48	SIDELITE SKIN 0.070" THK. (FIBER CLASSIC) Fy = 6,000 PSI MIN.	FIBERGLASS
49	#6 X 1-3/4" PFH SCREW (LITE FRAME)	STEEL
50	LITE FRAME FIBER CLASSIC	PVC
51	LITE FRAME SMOOTH STAR	PVC
52	DOOR BOTTOM SWEEP	VINYL
53	#9 X 2-1/2" PFH WOOD SCREW (JAMB TO SIDELITE)	STEEL
54	3/4" INSULATED GLASS 1/8" TEMPERED - AIR - 1/8" TEMPERED	GLASS
55	1" INSULATED GLASS 1/8" TEMPERED - AIR - 1/8" TEMPERED	GLASS
56	1/2" INSULATED GLASS 1/8" TEMPERED - AIR - 1/8" TEMPERED	GLASS
57	GLAZING COMPOUND	SILICONE
58	SEALANT	SILICONE
59	#9 X 1" PPH SCREW (LITE FRAME)	STEEL
60	SIDELITE STILE	WOOD
61	SIDELITE BOTTOM RAIL	PVC



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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITES "IMPACT" INSWING / OUTSWING

PART OR ASSEMBLY: BILL OF MATERIALS

NO.	DATE	BY
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DATE: 7/16/12
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DWG. BY: JK
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