

THERMA-TRU®

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

"SMOOTH STAR", "FIBER CLASSIC", "CLASSIC CRAFT" & "CLASSIC CRAFT RUSTIC" GLAZED FIBERGLASS DOOR INSWING / OUTSWING "IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

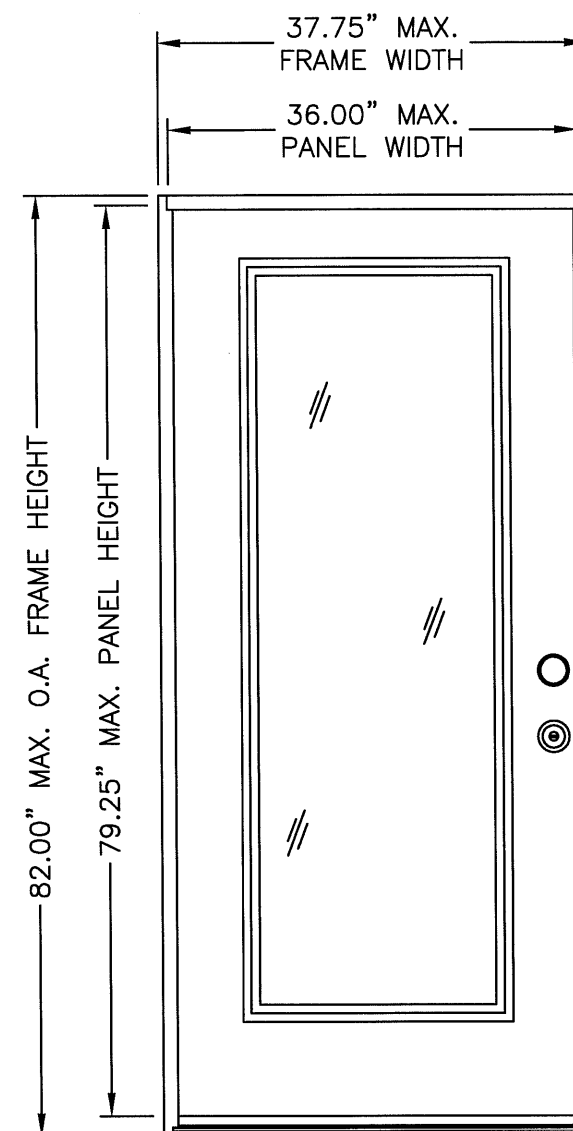
THE THERMA-TRU FIBERGLASS DOOR DESCRIBED HEREIN COMPLIES WITH THE INTERNATIONAL RESIDENTIAL CODE (IRC), SECTIONS R301 & R613 AND THE INTERNATIONAL BUILDING CODE (IBC), SECTIONS 1714.5 1405.12, 1609, 2403 AND 2404 (INCLUDING TEXAS REVISIONS) SUBJECT TO THE FOLLOWING CONDITIONS:

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 wind borne debris regions (SEAWARD and INLAND I ZONES), the Product complies with Sections R301.2.1.2 and 1609.1.4 as an impact resistant product and does not require the use of an approved impact resistant covering. This product does not meet the requirements for enhanced protection of essential facilities as defined in ASTM E1996.
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 101/I.S.2/A440-05, ASTM E1886-02 and ASTM E1996-02 as performed by Testing Evaluation Laboratories Inc. and report number TEL 06-0718-1, dated July 17, 2006 and signed by Wendell W. Haney, P.E.
2. Anchor analysis for loading conditions prepared, signed and sealed by Wendell W. Haney, P.E. Glass load resistance report ASTM E1300-00, prepared by Wendell W. Haney, P.E..
3. Certificate of Participation issued by the National Accreditation and Management Institute, Inc., certifying that Therma Tru Corporation is manufacturing products within a Quality Assurance program.

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2	DOOR PANEL CROSS SECTIONS "SMOOTH STAR"
3	DOOR PANEL CROSS SECTIONS "CLASSIC CRAFT" & "RUSTIC"
4	DOOR PANEL CROSS SECTIONS "FIBER CLASSIC"
5	HORIZONTAL CROSS SECTIONS
6	VERTICAL CROSS SECTIONS
7	FRAME ANCHORING
8	BILL OF MATERIALS & COMPONENTS



X

"SMOOTH STAR", "FIBER CLASSIC"
"CLASSIC CRAFT" & "CLASSIC CRAFT RUSTIC"

SWING	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
INSWING	37.75" X 82.00"	21.00" X 63.25"	+47.0	-53.0
OUTSWING	37.75" X 80.62"	21.00" X 63.25"	+50.0	-50.0

Documents Prepared By:

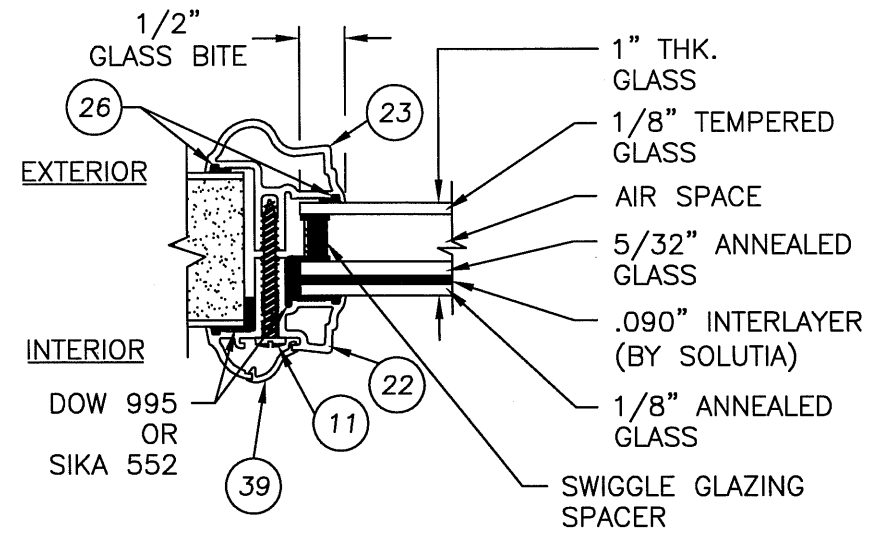
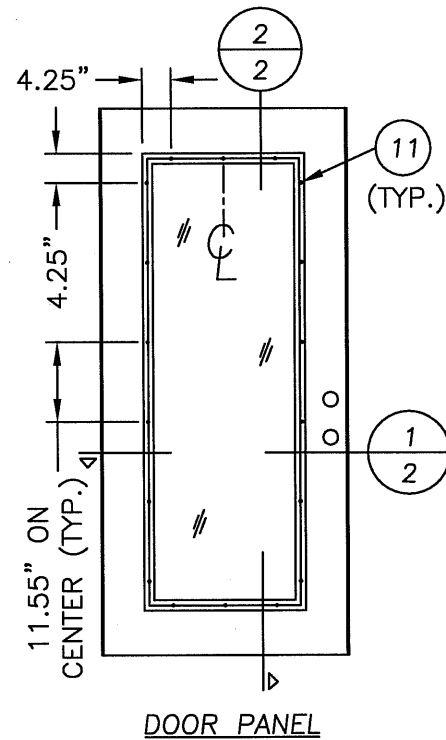
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

Wendell W. Haney, P.E. No. 54158

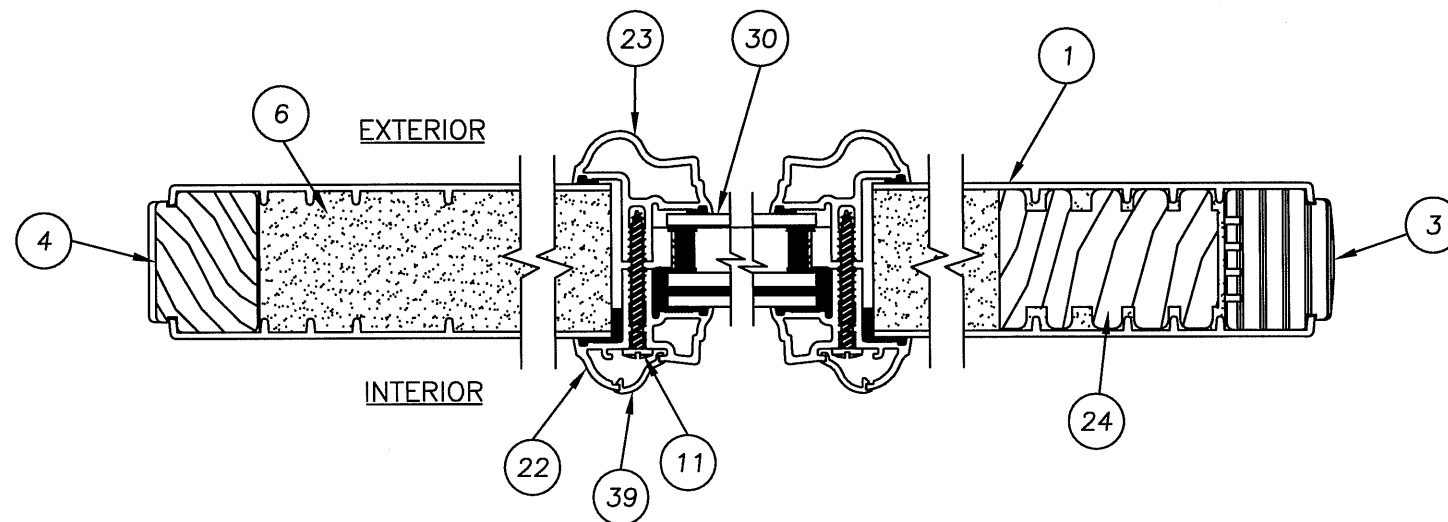
PRODUCT: THERMA-TRU
GLAZED FIBERGLASS DOOR
IN/OUTSWING "IMPACT"
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	BY	REVISIONS

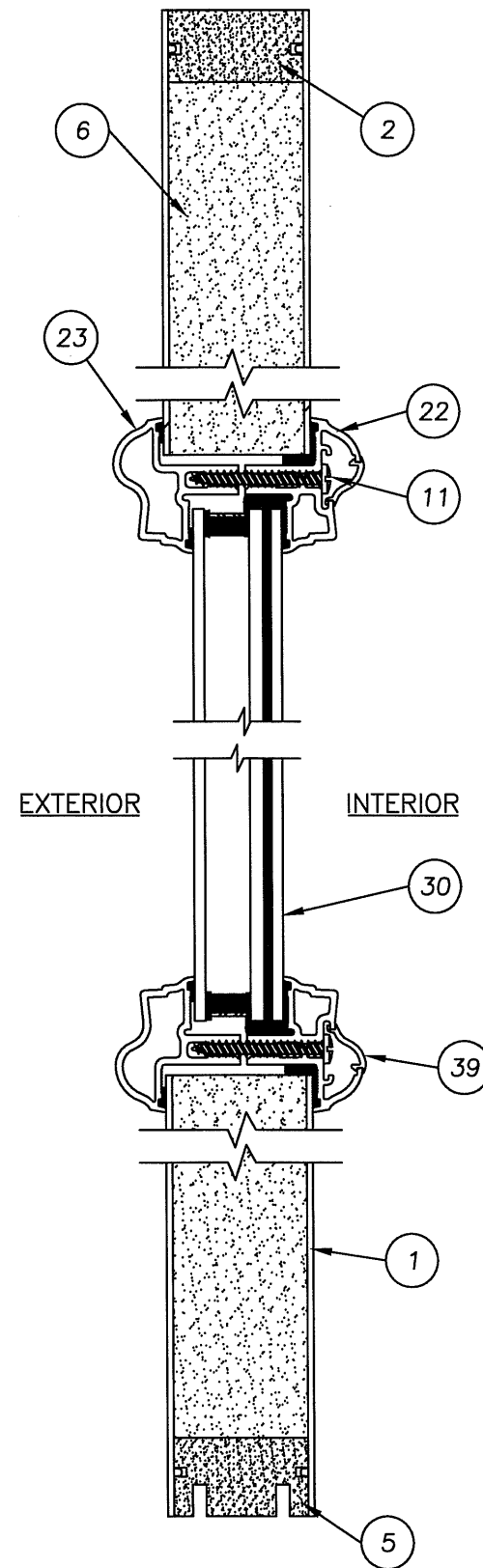
DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.:
TX-3180
SHEET 1 OF 8



GLAZING DETAIL

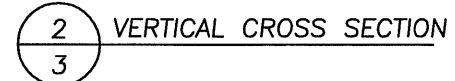
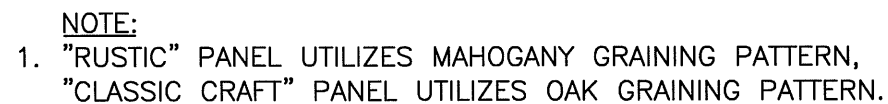


1 HORIZONTAL CROSS SECTION
2 DOOR PANEL



2 VERTICAL CROSS SECTION
2 DOOR PANEL

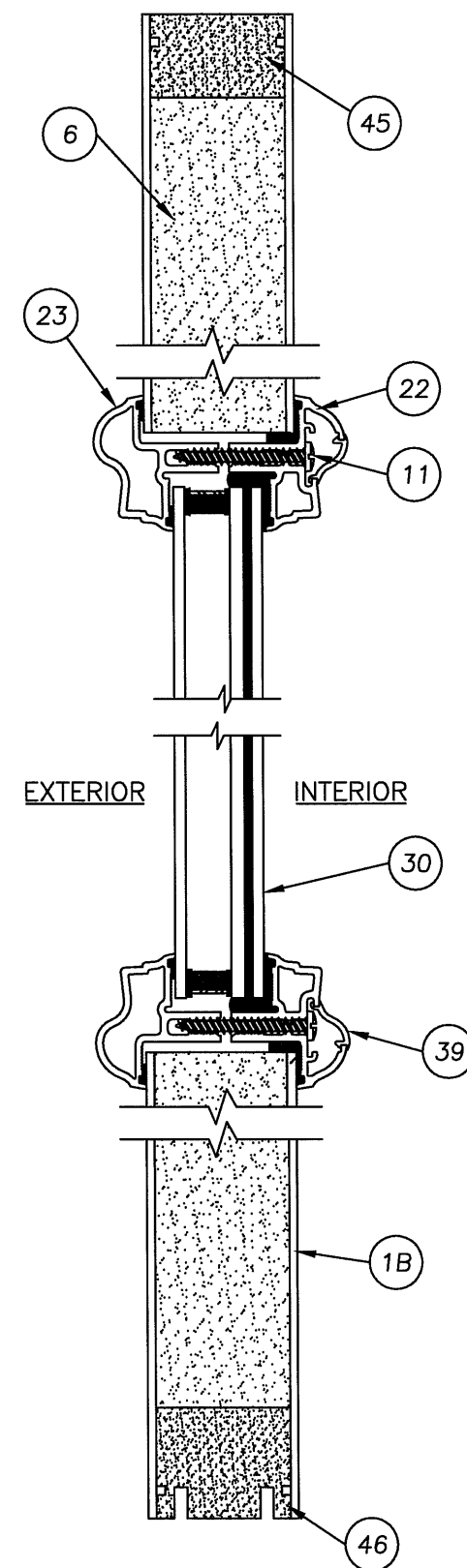
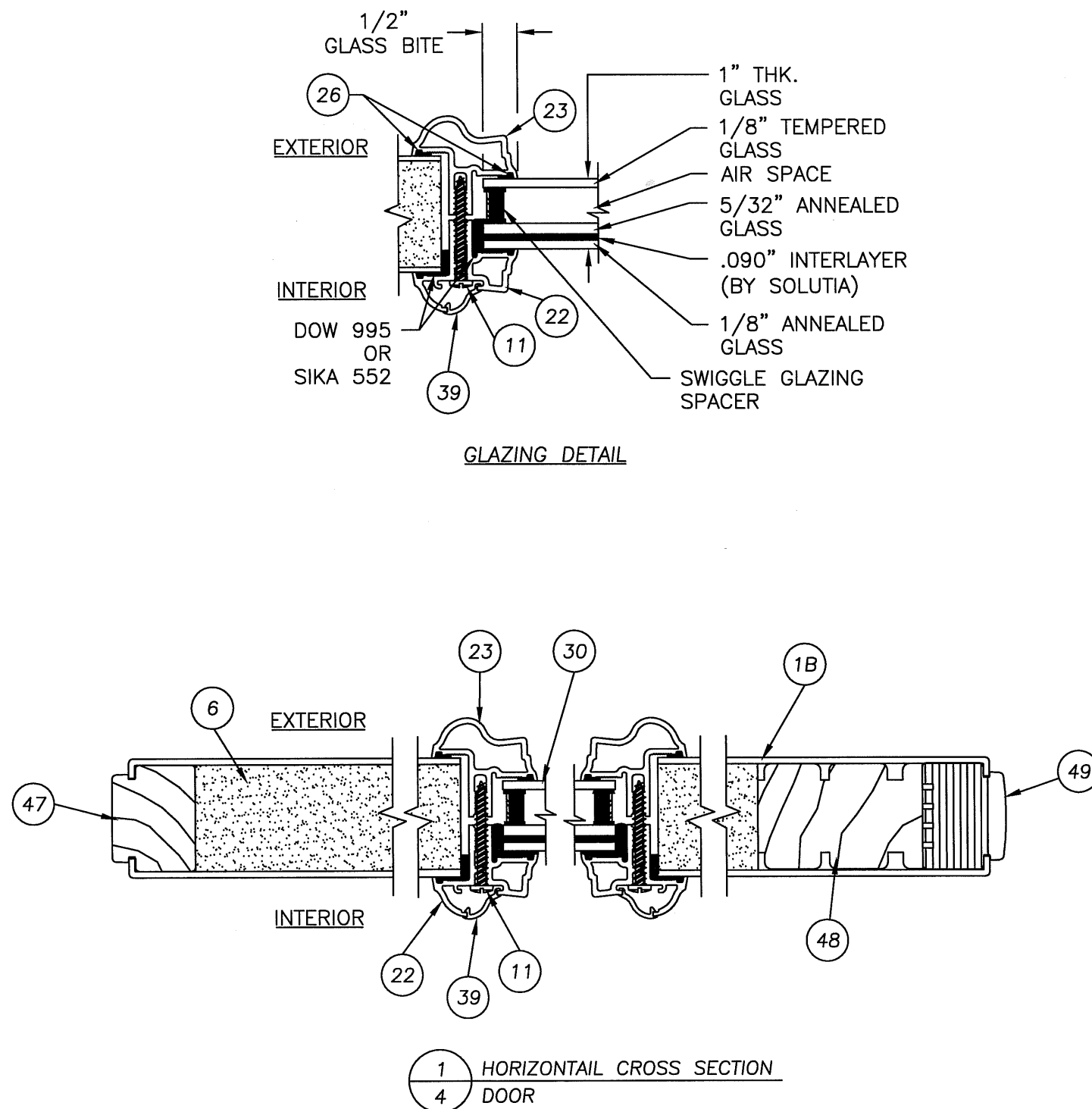
Documents Prepared By:		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.659.9197 Florida Board of Professional Engineers Certificate Of Authorization No. 9813 Wendell W. Haney, P.E. No. 54158	
PRODUCT:		THERMA-TRU GLAZED FIBERGLASS DOOR IN/OUTSWING "IMPACT"	
PART OR ASSEMBLY:		"SMOOTH STAR" DOOR PANEL CROSS SECTIONS	
NO.		DATE	
BY		REVISIONS	
DATE: 12/15/06			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: WWH			
DRAWING NO.: TX-3180			
SHEET 2 OF 8			

[illegible]

Documents Prepared By:

RW
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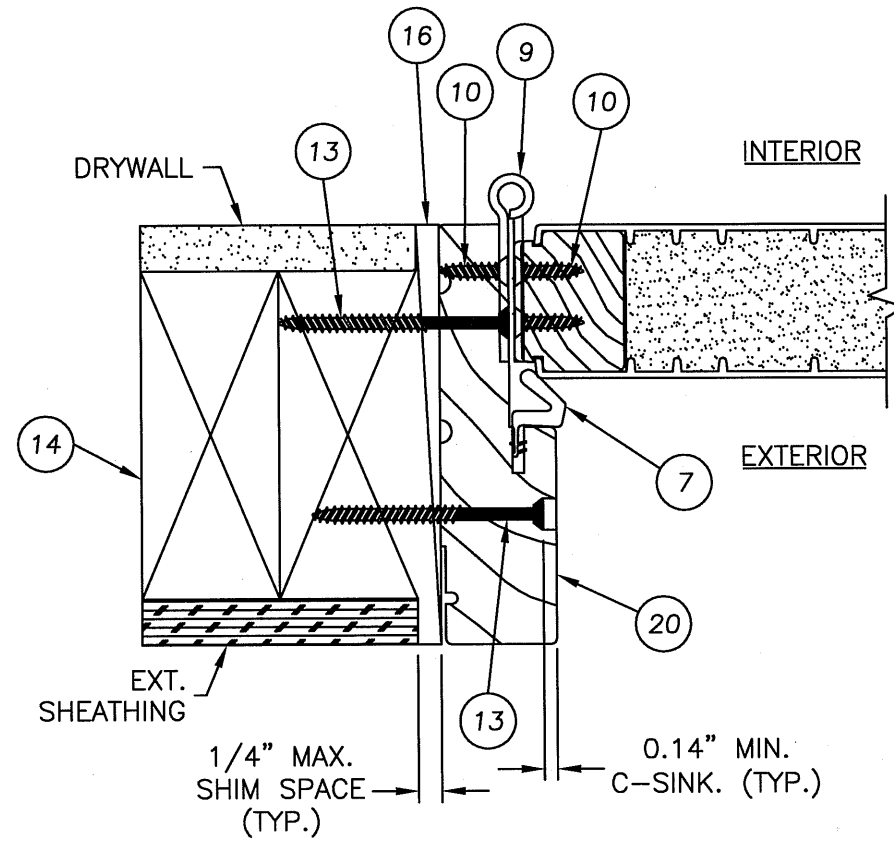
2 VERTICAL CROSS SECTION
4 DOOR PANEL

Documents Prepared By:

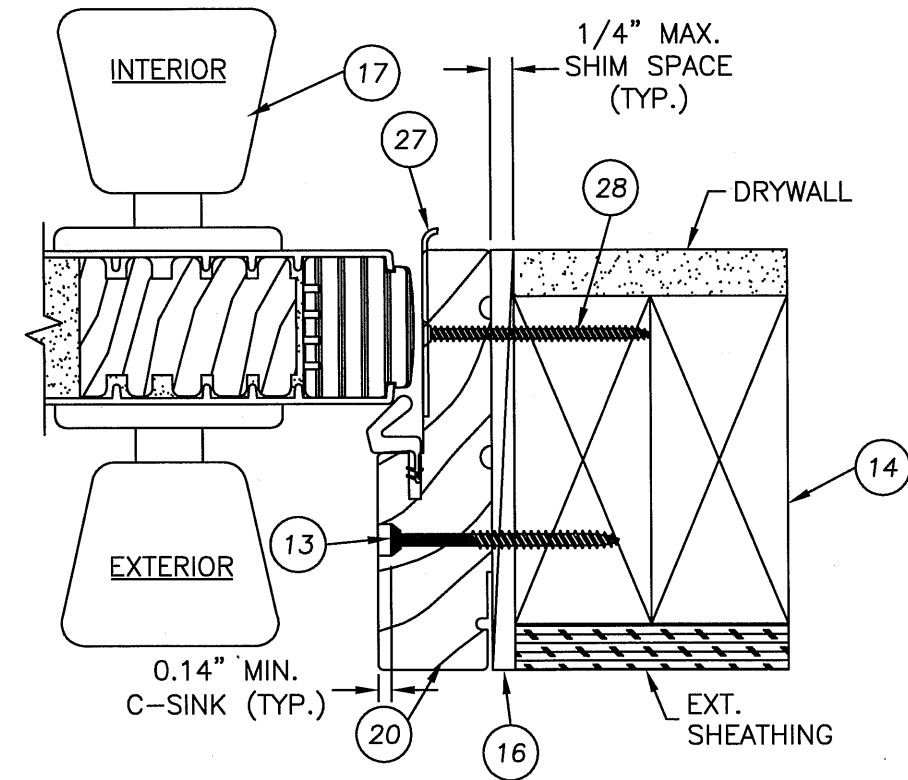
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Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

Wendell W. Haney, P.E. No. 54158

DATE: 12/15/06		THERMA-TRU GLAZED FIBERGLASS DOOR IN/OUTSWING "IMPACT"	
SCALE: N.T.S.		PART OR ASSEMBLY:	
DWG. BY: AEM		"FIBER CLASSIC" DOOR PANEL CROSS SECTIONS	
CHK. BY: WWH			
DRAWING NO.: TX-3180			
SHEET 4 OF 8			
NO. DATE		BY	
REVISIONS			



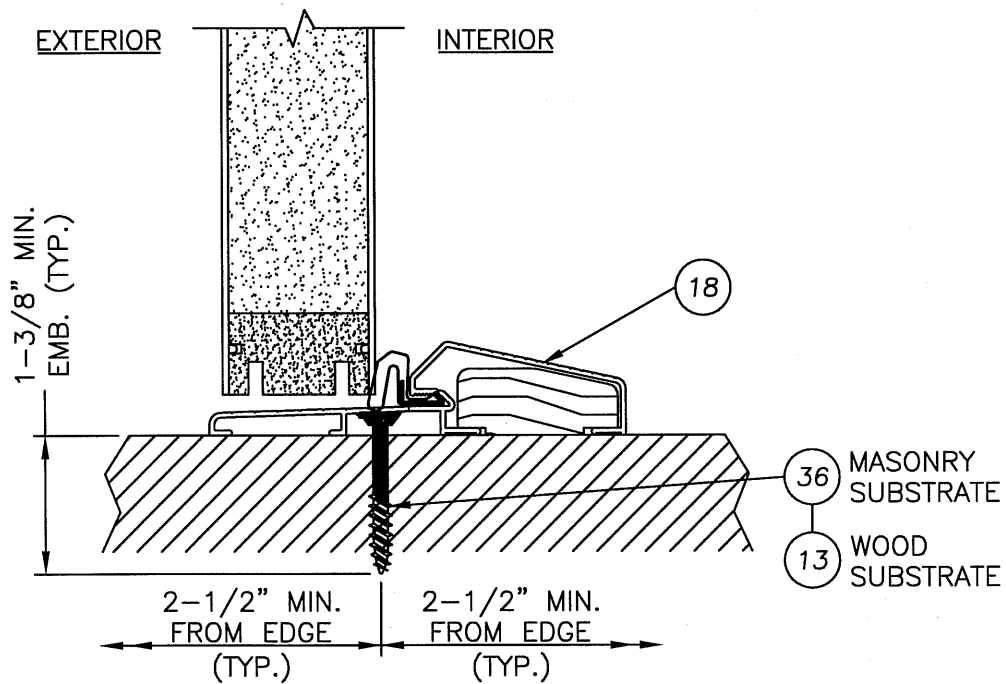
1 HORIZONTAL CROSS SECTION
5 INSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)



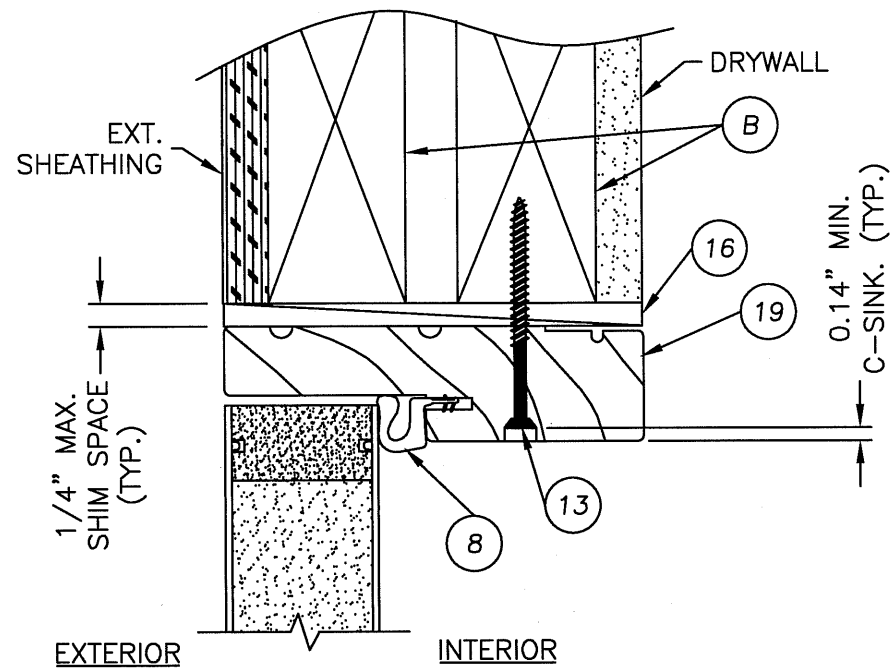
2 HORIZONTAL CROSS SECTION
5 INSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)

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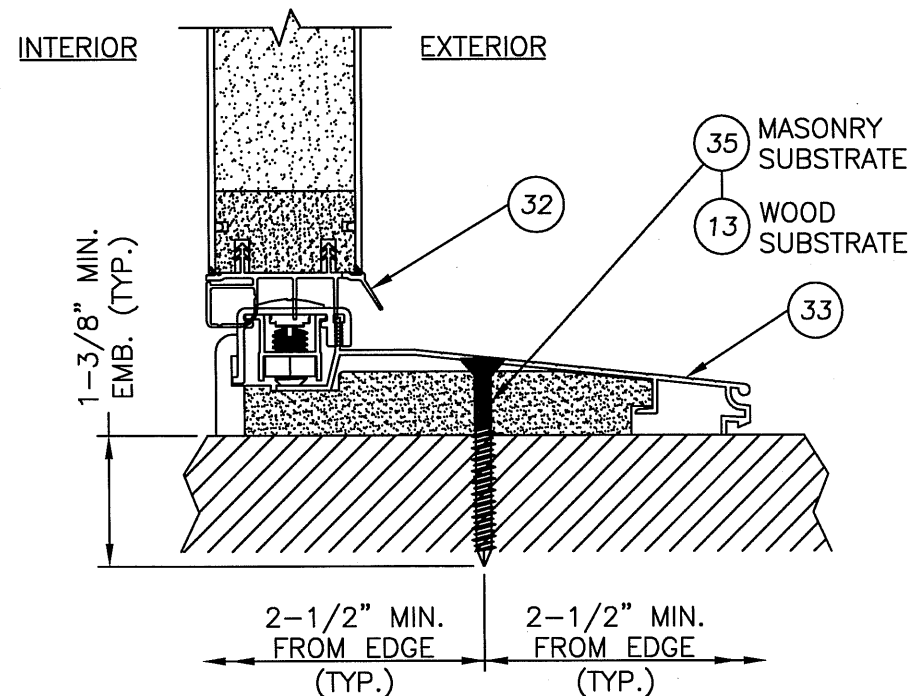
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3 VERTICAL CROSS SECTION
6 OUTSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)



1 VERTICAL CROSS SECTION
6 ("SMOOTH STAR SERIES" SHOWN)



4 VERTICAL CROSS SECTION
6 INSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)

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Wendell W. Haney, P.E. No. 54158

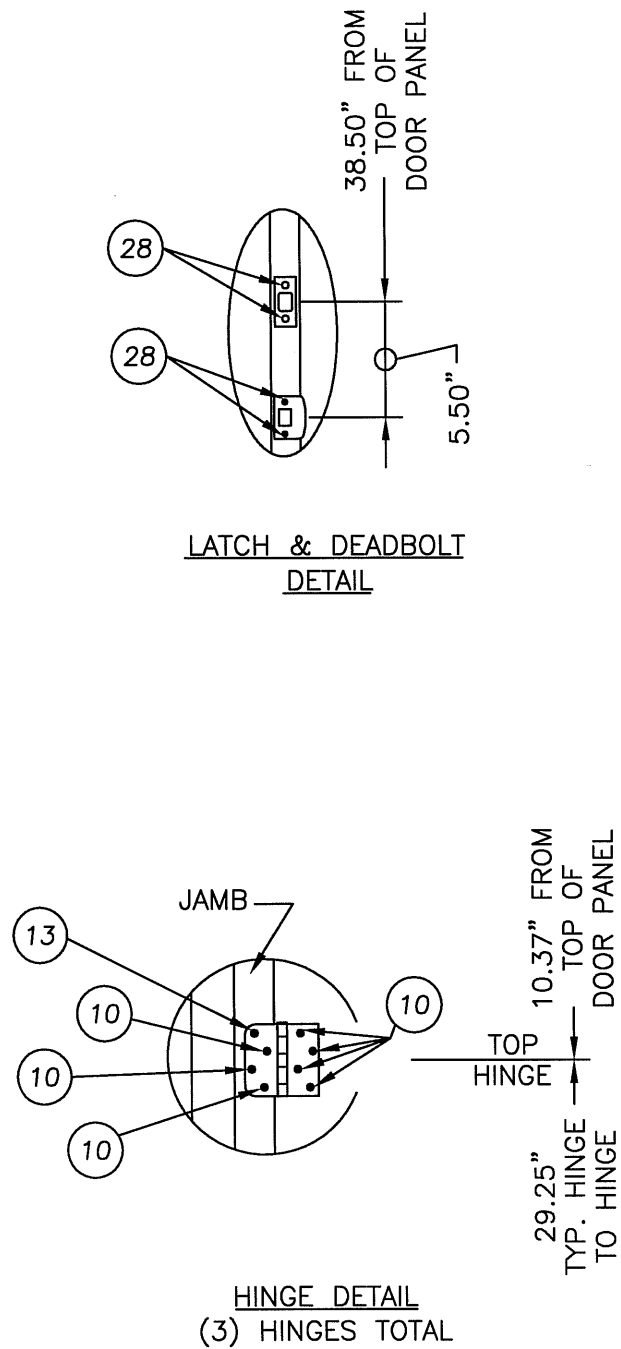
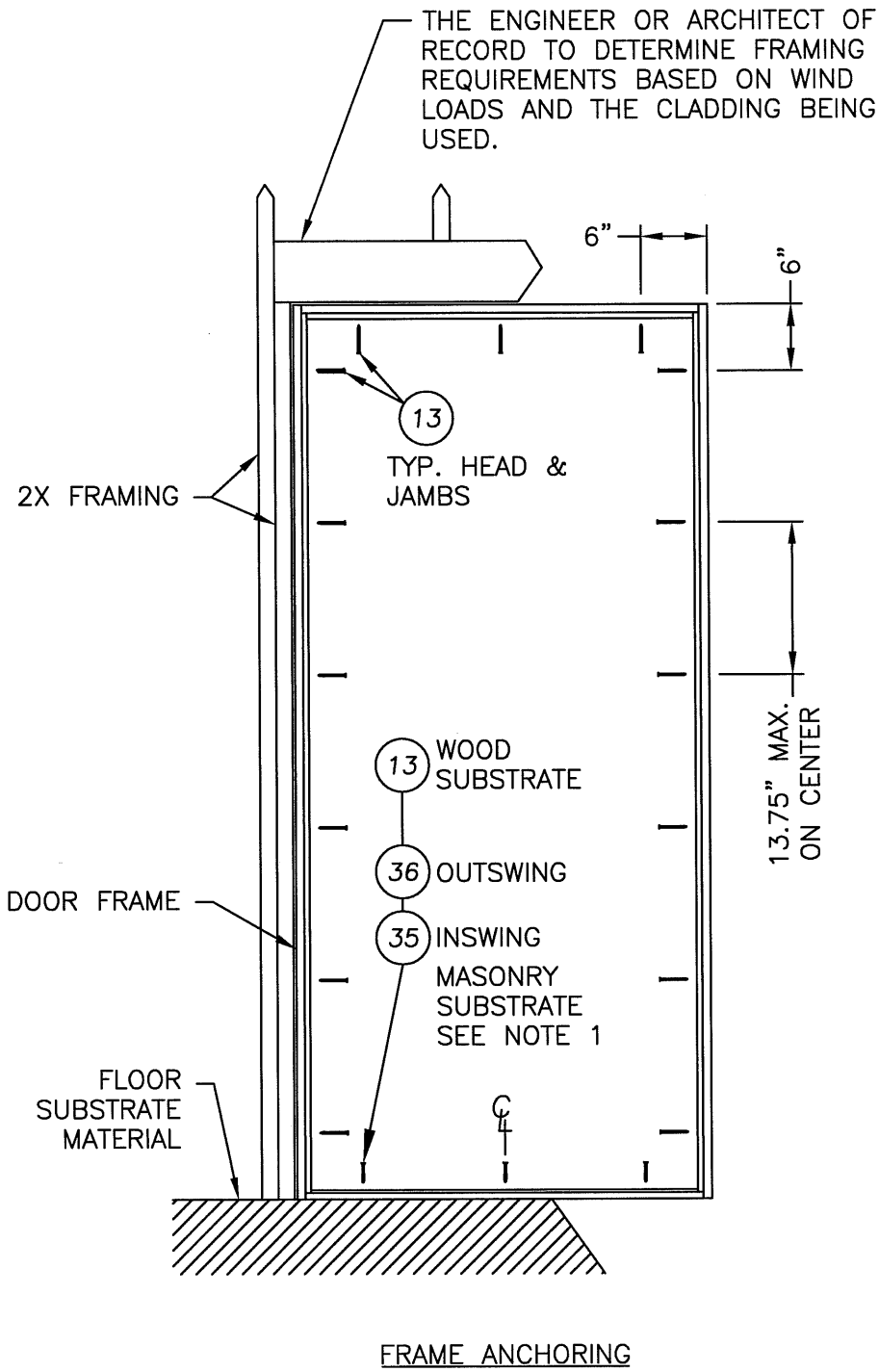
PRODUCT: THERMA-TRU
GLAZED FIBERGLASS DOOR
IN/OUTSWING "IMPACT"

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3180
SHEET 6 OF 8

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NOTES:

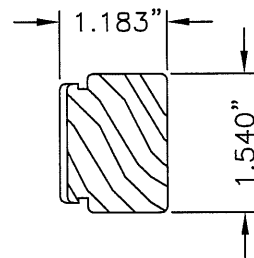
1. 1/4" ITW CONCRETE SCREWS ANCHORING FRAME AND/OR SILL REQUIRE A MINIMUM 2-1/2" CLEARANCE TO MASONRY EDGES AND A MINIMUM 3" CLEARANCE TO ADJACENT CONCRETE SCREWS UNLESS OTHERWISE NOTED BY CONCRETE SCREW MANUFACTURER.

Documents Prepared By:		BUILDING CONSULTANTS, INC. P.O. Box 230 Vairico FL 33595 Phone No.: 813.659.9197 Florida Board of Professional Engineers Certificate Of Authorization No. 9813	
PRODUCT:		THERMA-TRU GLAZED FIBERGLASS DOOR IN/OUTSWING "IMPACT"	
PART OR ASSEMBLY:		FRAME ANCHORING	
NO.		DATE	
BY		REVISIONS	
DATE: 12/15/06			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: WWH			
DRAWING NO.: TX-3180			
SHEET 7 OF 8			

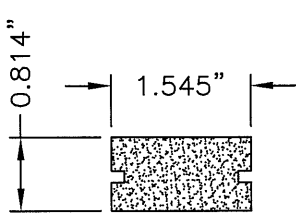
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Wendell W. Haney, P.E. No. 54158

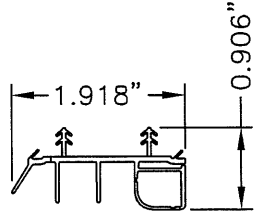
Item	DESCRIPTION	Material
1	DOOR SKIN; SMOOTH STAR SERIES (.065" MIN.)	FIBERGLASS
1A	DOOR SKIN; CLASSIC CRAFT & RUSTIC SERIES (.090" MIN.)	FIBERGLASS
1B	DOOR SKIN; FIBER CLASSIC SERIES (.065" MIN.)	FIBERGLASS
2	TOP RAIL DOOR THERMA-TRU (SMOOTH STAR)	COMP.
3	LATCH STILE DOOR THERMA-TRU (SMOOTH STAR)	LVL
4	HINGE STILE DOOR THERMA-TRU (SMOOTH STAR)	WOOD
5	BOTTOM RAIL DOOR THERMA-TRU (SMOOTH STAR)	COMP.
6	POLYURETHANE FOAM	FOAM
7	MEDIUM REACH COMPRESSION WEATHER-STRIP (THERMA-TRU)	FOAM
8	LONG REACH COMPRESSION WEATHER-STRIP (THERMA-TRU)	FOAM
9	4" x 4" HINGE .097" THK. (THERMA-TRU)	STEEL
10	#10 x 3/4" PFH WOOD SCREW (Hinge to Frame)	STEEL
11	#10 x 1-1/2" PPH SHEET METAL SCREW	STEEL
12	#10 x 2" PFH WOOD SCREW	STEEL
13	#10 x 2-1/2" PFH WOOD SCREW	STEEL
14	2X FRAMING	WOOD
15	NOT USED	-
16	MAX. 1/4" SHIM MATERIAL	WOOD
17	KWIKSET 200 SERIES PASSAGE LOCK	STEEL
18	THRESHOLD OUTSWING (THERMA-TRU)	ALUM./WOOD
19	HEADER JAMB (4.656" x 1.25" THERMA-TRU, PINE)	WOOD
20	SIDE JAMB (4.656" x 1.25" THERMA-TRU) (FJ PINE)	WOOD
21	KWICKSET 600 SERIES DEADBOLT	STEEL
22	INTERIOR LITE FRAME	ALUM.
23	EXTERIOR LITE FRAME	ALUM.
24	LOCK BLOCK	WOOD
25	SILICONE CAULK	SILICONE
26	CELLULAR GLAZING TAPE	FOAM
27	LATCH STRIKE	STEEL
28	#8 x 2-1/2" PFH WOOD SCREW	STEEL
29	#8 x 3" PFH SCREW	STEEL
30	1" THK. INSUL. LAMINATED GLASS (INTERLAYER BY SOLUTIA) 1/8" TEMP.- AIR - 5/32" ANN. / .090" INTERLAYER / 1/8" ANN.	GLASS
31	NOT USED	-
32	DOOR BOTTOM SWEEP (INSWING)	PVC
33	INSWING THRESHOLD	ALUM./COMP.
34	NOT USED	-
35	1/4" x 2-1/4" ITW TAPCON	STEEL
36	1/4" x 1-3/4" ITW TAPCON	STEEL
37	NOT USED	-
38	NOT USED	-
39	LITE FRAME TRIM	PVC
40	#9 x 3" PFH WOOD SCREW	STEEL
41	TOP RAIL (CLASSIC CRAFT & RUSTIC)	COMP.
42	BOTTOM RAIL (CLASSIC CRAFT & RUSTIC)	COMP.
43	LATCH SIDE STILE (CLASSIC CRAFT & RUSTIC)	LSL / OAK
44	HINGE SIDE STILE (CLASSIC CRAFT & RUSTIC)	LSL / OAK
45	TOP RAIL (FIBER CLASSIC)	COMP.
46	BOTTOM RAIL (FIBER CLASSIC)	COMP.
47	HINGE SIDE STILE (FIBER CLASSIC)	WOOD
48	LOCK BLOCK (FIBER CLASSIC)	WOOD
49	LATCH SIDE STILE (FIBER CLASSIC)	LVL / OAK



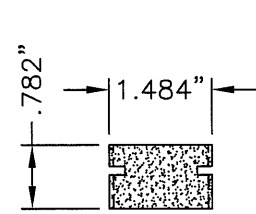
4 HINGE STILE
(SMOOTH STAR)



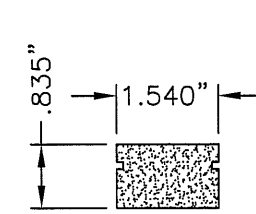
2 DOOR TOP RAIL
(SMOOTH STAR)



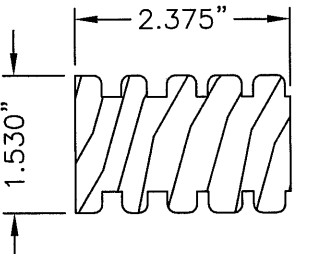
32 SWEEP



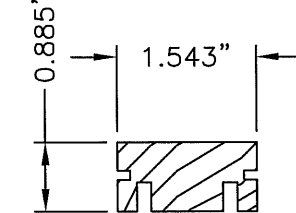
41 TOP RAIL
(CLASSIC CRAFT
& RUSTIC)



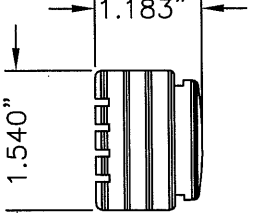
45 TOP RAIL
(FIBER CLASSIC)



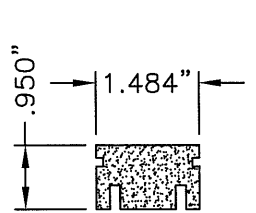
24 LOCK BLOCK
(SMOOTH STAR)



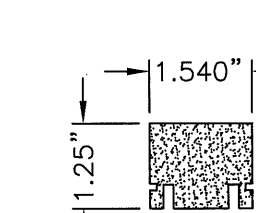
5 DOOR BTM. RAIL
(SMOOTH STAR)



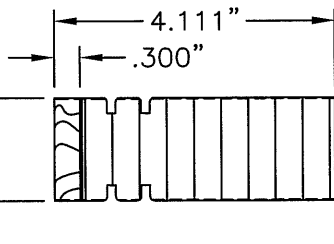
3 LATCH STILE
(SMOOTH STAR)



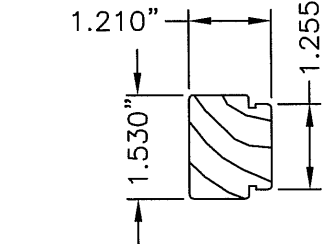
42 BOTTOM RAIL
(CLASSIC CRAFT
& RUSTIC)



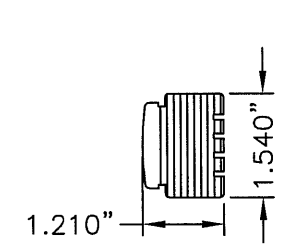
46 BOTTOM RAIL
(FIBER CLASSIC)



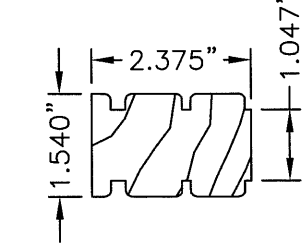
43 LATCH SIDE STILE
(CLASSIC CRAFT)



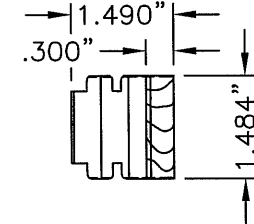
47 HINGE SIDE STILE
(FIBER CLASSIC)



49 LATCH SIDE STILE
(FIBER CLASSIC)

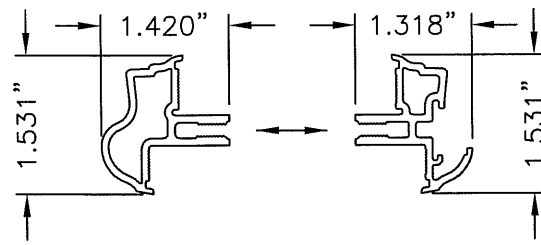


48 LOCK BLOCK
(FIBER CLASSIC)

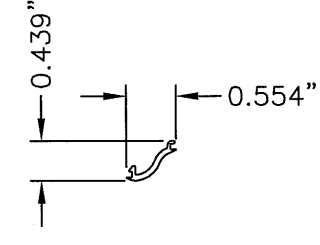


44 HINGE SIDE STILE *
(CLASSIC CRAFT
& RUSTIC)

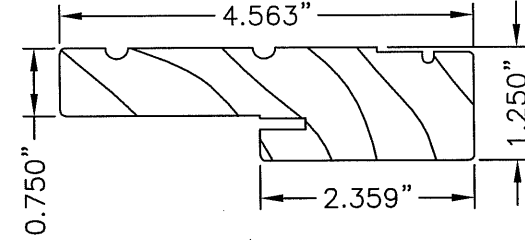
* HINGE SIDE STILE
CORE MATERIAL: LVL OR LSL
ALTERNATE CORE MATERIAL: PONDEROSA,
RADIATA, PULAI, ELLIOTTII, TAEDA OR SUGAR
PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE
CEDAR OR REDWOOD.



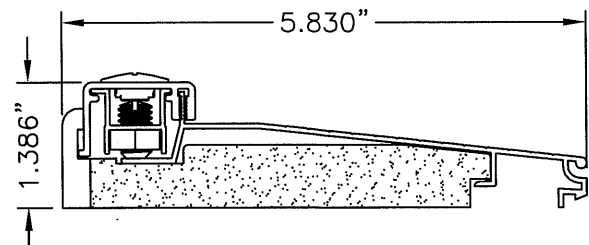
23 EXT. LITE
FRAME



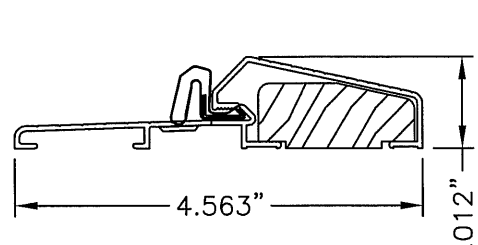
22 INT. LITE
FRAME



19 20 HEAD & SIDE
JAMB



33 INSWING
THRESHOLD



18 OUTSWING
THRESHOLD

Documents Prepared By:		BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.659.9197 Florida Board of Professional Engineers Certificate of Authorization No. 9813	
PRODUCT:		THERMA-TRU GLAZED FIBERGLASS DOOR IN/OUTSWING "IMPACT"	
PART OR ASSEMBLY:		BILL OF MATERIALS & COMPONENTS	
		REVISIONS	
		NO.	DATE
		BY	
DATE: 12/15/06			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: WWH			
DRAWING NO.: TX-3180			
SHEET 8 OF 8			

THERMA-TRU®

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EVALUATED FOR USE IN THE STATE OF TEXAS

THE THERMA-TRU FIBERGLASS DOOR DESCRIBED HEREIN COMPLIES WITH THE INTERNATIONAL RESIDENTIAL CODE (IRC), SECTIONS R301 & R613 AND THE INTERNATIONAL BUILDING CODE (IBC), SECTIONS 1714.5 1405.12, 1609, 2403 AND 2404 (INCLUDING TEXAS REVISIONS) SUBJECT TO THE FOLLOWING CONDITIONS:

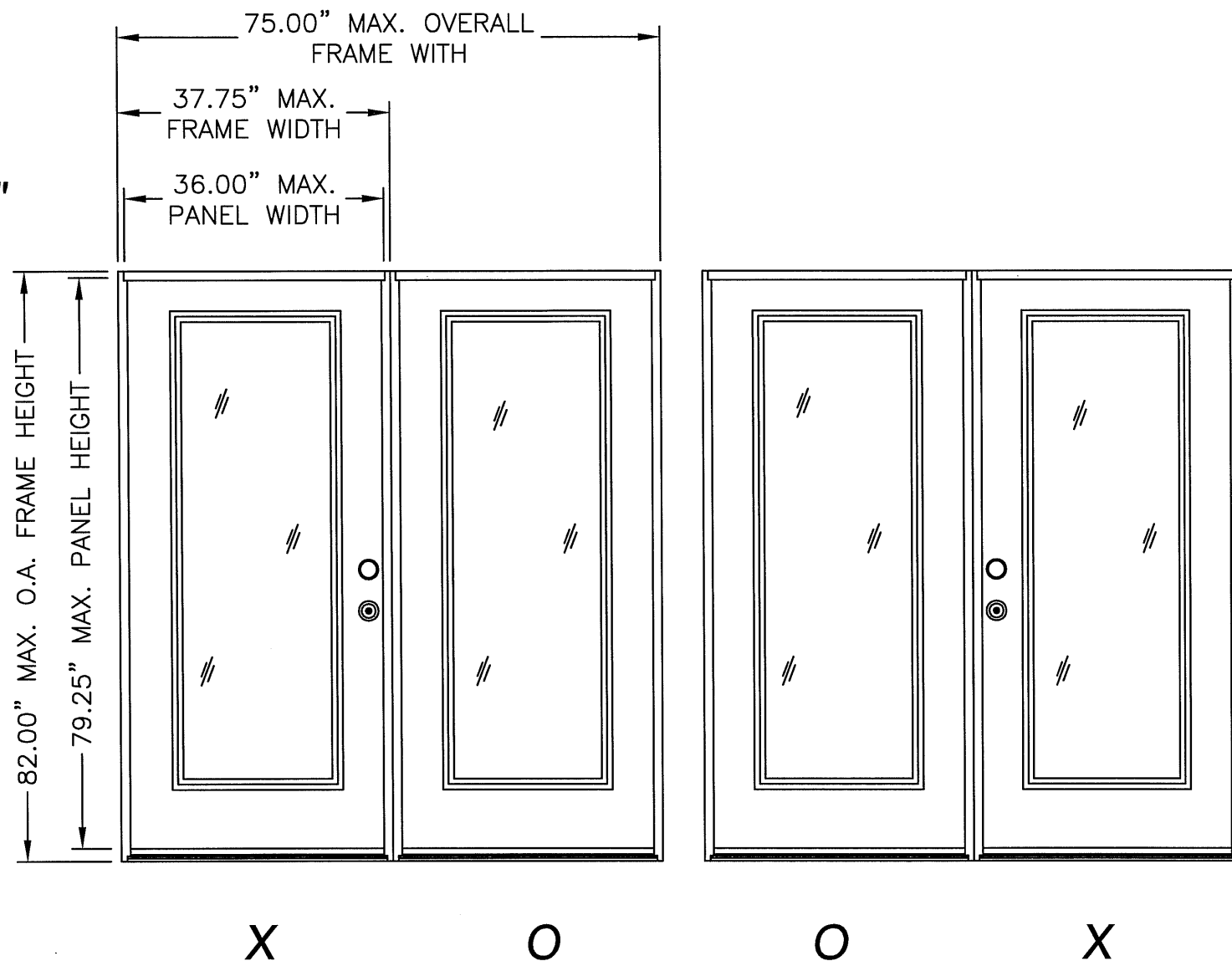
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2. When used in wind borne debris regions (SEAWARD and INLAND I ZONES), the Product complies with Sections R301.2.1.2 and 1609.1.4 as an impact resistant product and does not require the use of an approved impact resistant covering. This product does not meet the requirements for enhanced protection of essential facilities as defined in ASTM E1996.
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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"SMOOTH STAR", "FIBER CLASSIC"
"CLASSIC CRAFT" & "CLASSIC CRAFT RUSTIC"

SWING	OVERALL FRAME DIMENSION	OVERALL D.L.O. DOOR / SIDELITE DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
INSWING	75.00" X 82.00"	21.00" X 63.25"	+49.2	-50.0
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Vairco FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

Wendell W. Haney, P.E. No. 54158

PRODUCT: THERMA-TRU
GLAZED FIBERGLASS DOOR W/
SIDELITE IN/OUTSWING "IMPACT"
PART OR ASSEMBLY:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS

DATE: 12/15/06

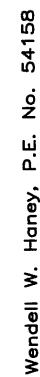
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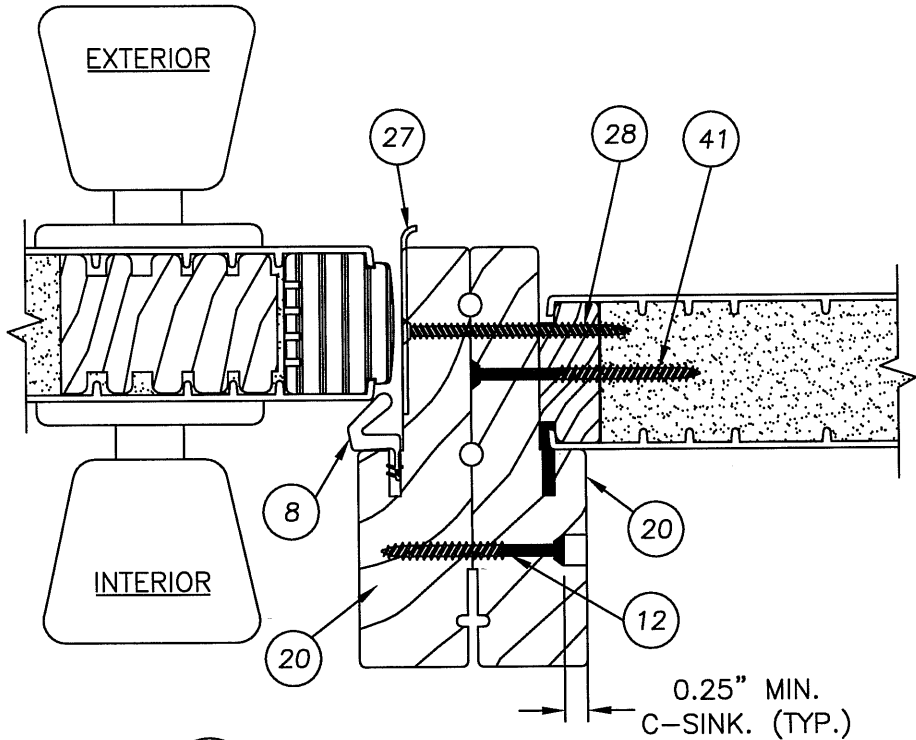
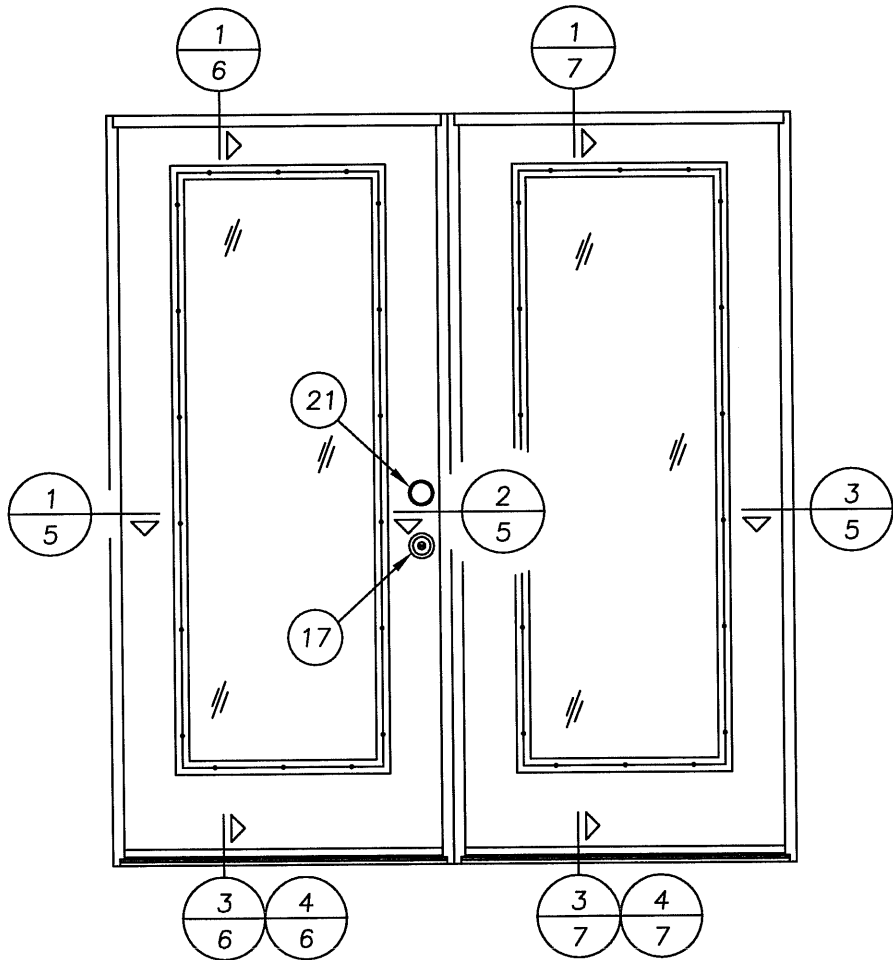
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DRAWING NO.:
TX-3181

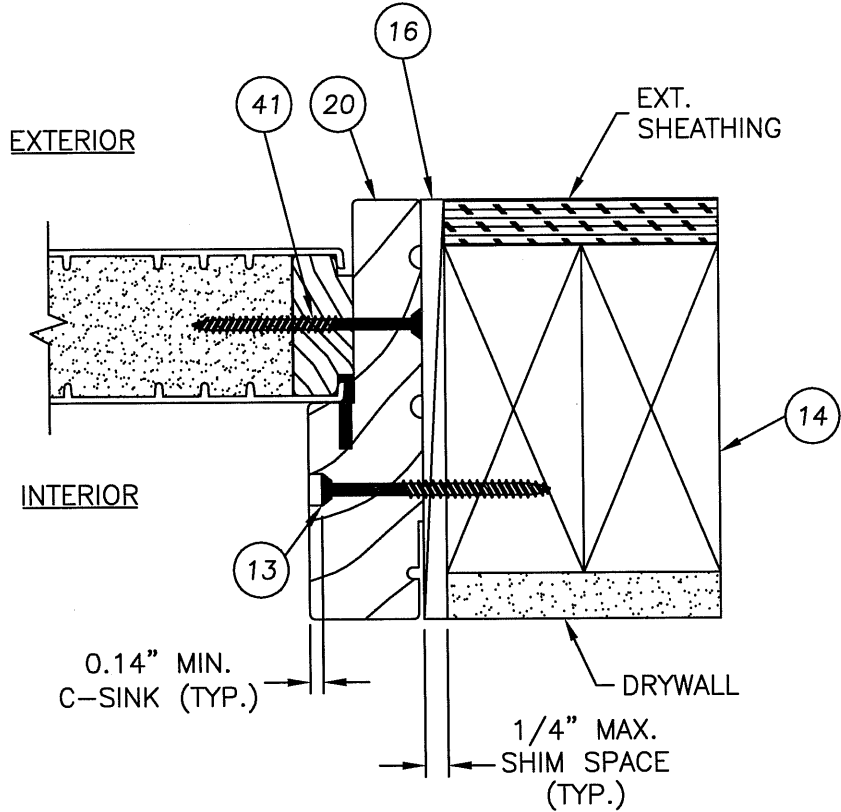
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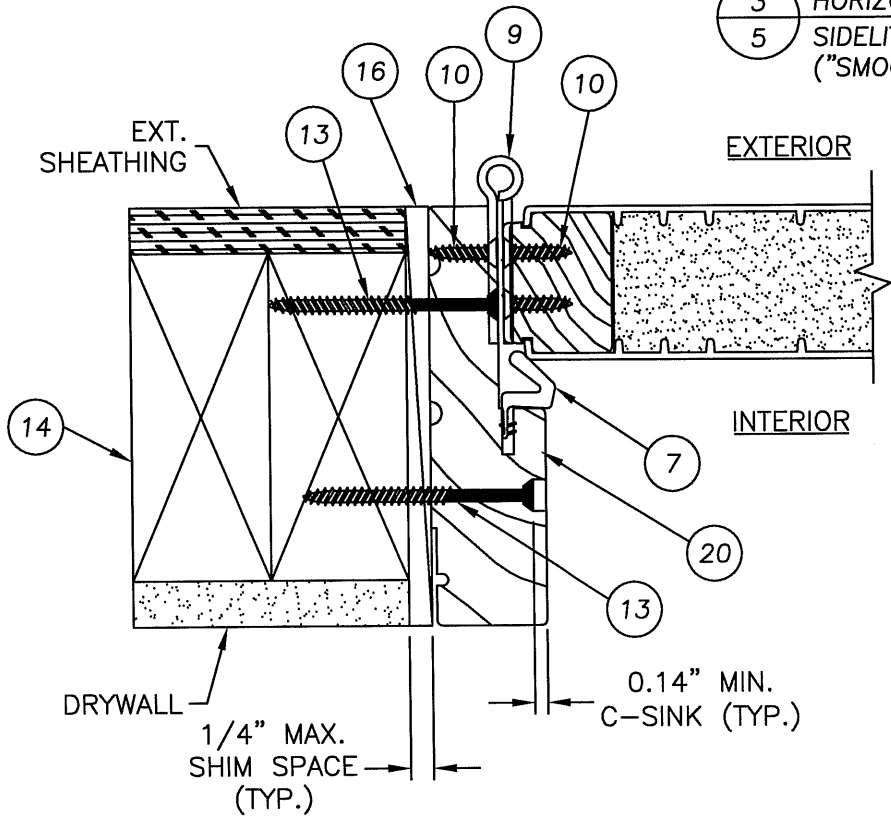
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2 HORIZONTAL CROSS SECTION
5 LATCH JAMB @ SIDELITE JAMB
("SMOOTH STAR SERIES" SHOWN)



3 HORIZONTAL CROSS SECTION
5 SIDELITE JAMB TO BUCK
("SMOOTH STAR SERIES" SHOWN)



1 HORIZONTAL CROSS SECTION
5 @ SIDELITE JAMB
("SMOOTH STAR SERIES" SHOWN)

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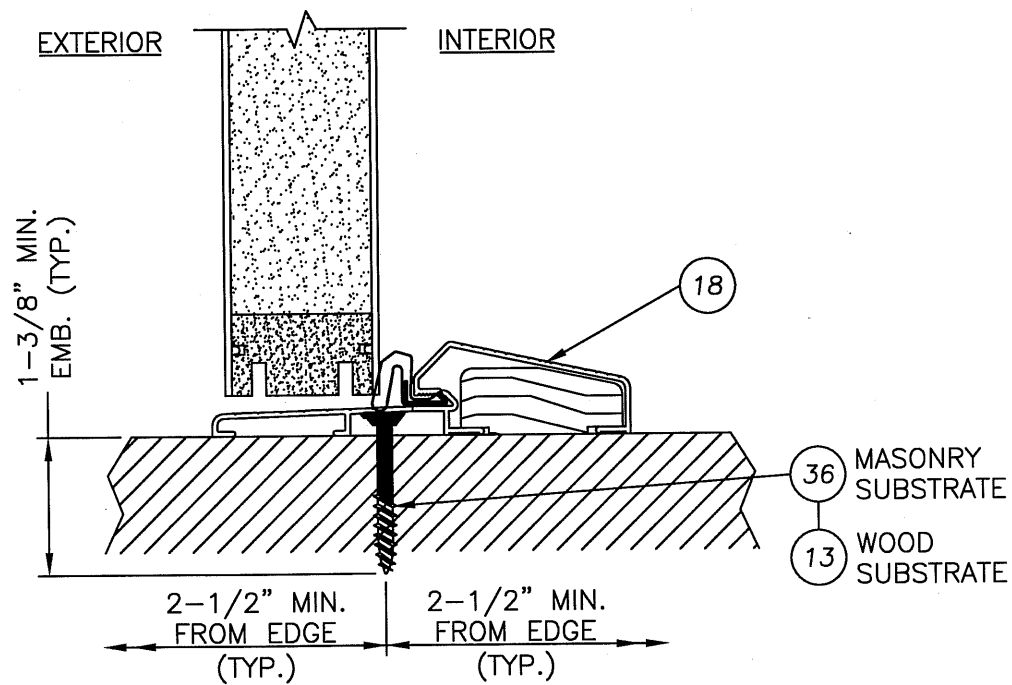
PRODUCT: THERMA-TRU
GLAZED FIBERGLASS DOOR W/
SIDELITE IN/OUTSWING "IMPACT"

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

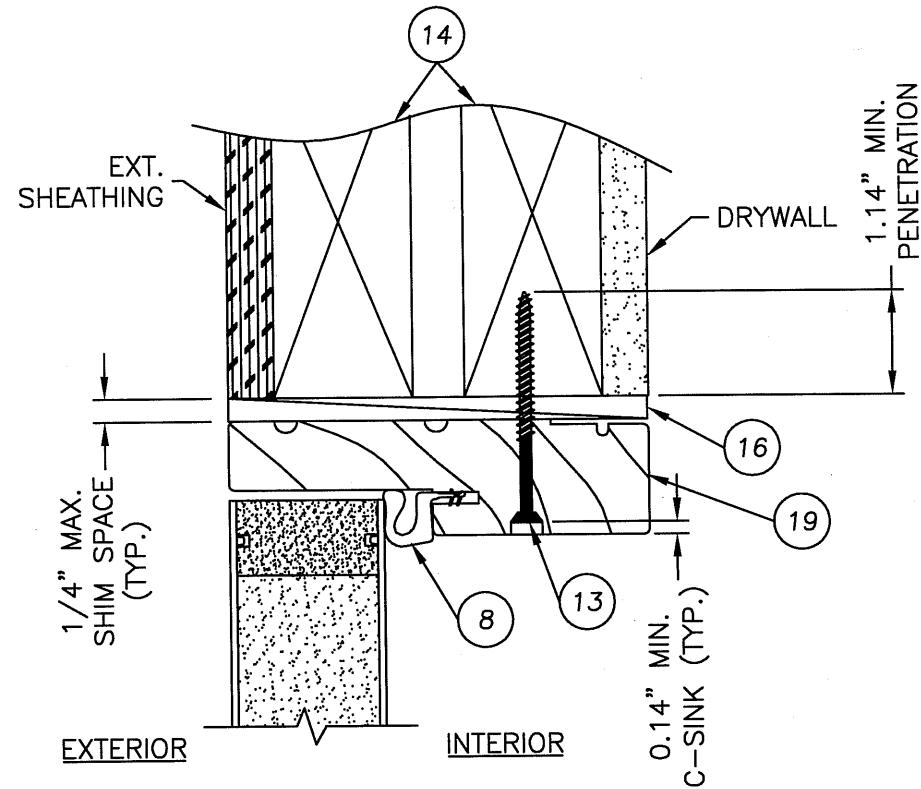
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DATE: 12/15/06
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DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3181
SHEET 5 OF 9

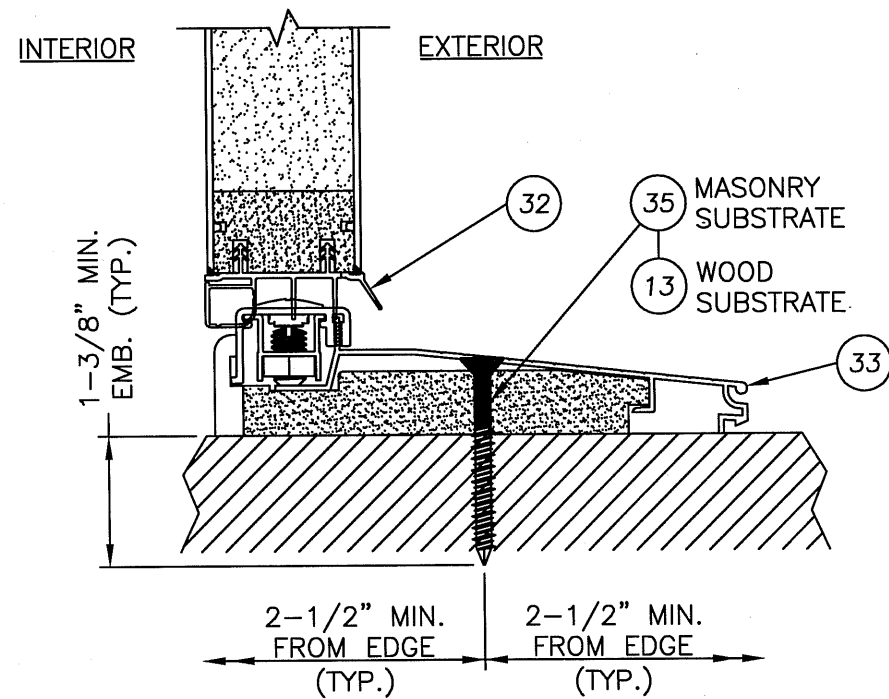
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3 VERTICAL CROSS SECTION
6 OUTSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)



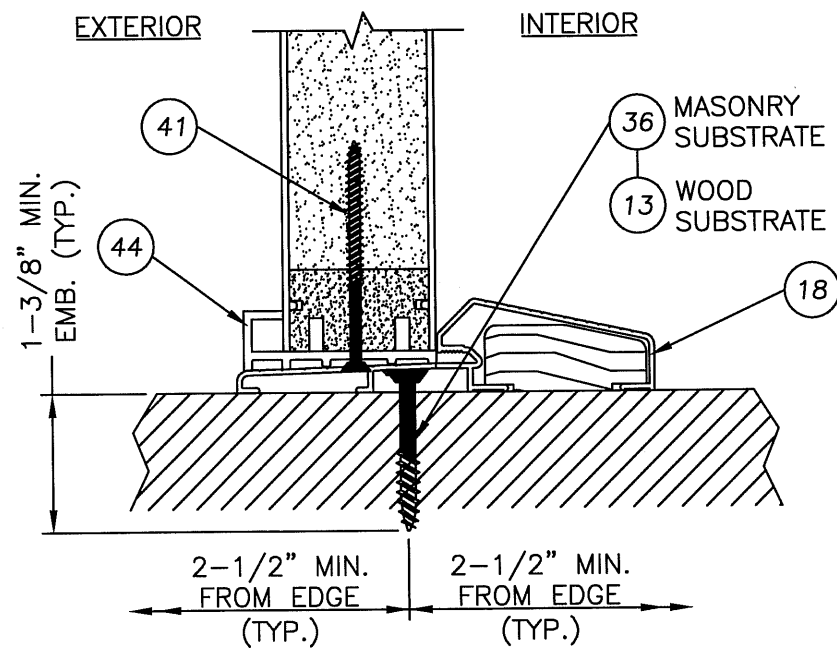
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6 ("SMOOTH STAR SERIES" SHOWN)



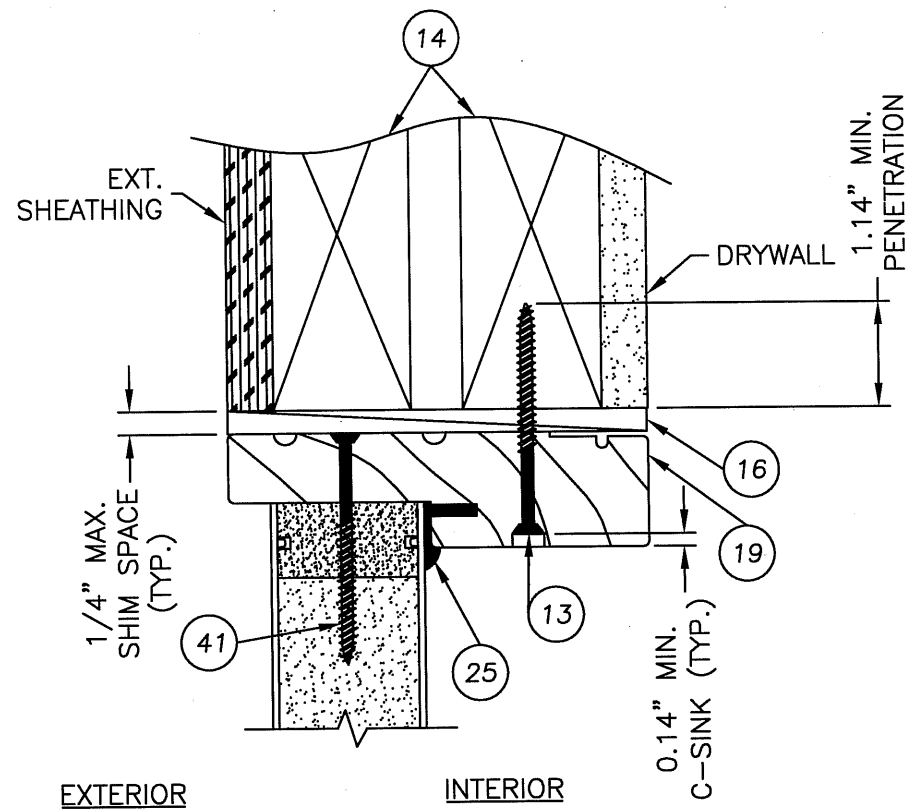
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6 INSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)

PRODUCT:		THERMA-TRU GLAZED FIBERGLASS DOOR W/ SIDELITE IN/OUTSWING "IMPACT"		Documents Prepared By:		RW BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.659.9197 Florida Board of Professional Engineers Certificate Of Authorization No. 9813	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS		Wendell W. Haney, P.E. No. 54158			
NO.		DATE		BY			
12/15/06		N.T.S.		AEM			
TX-3181		6 OF 9					

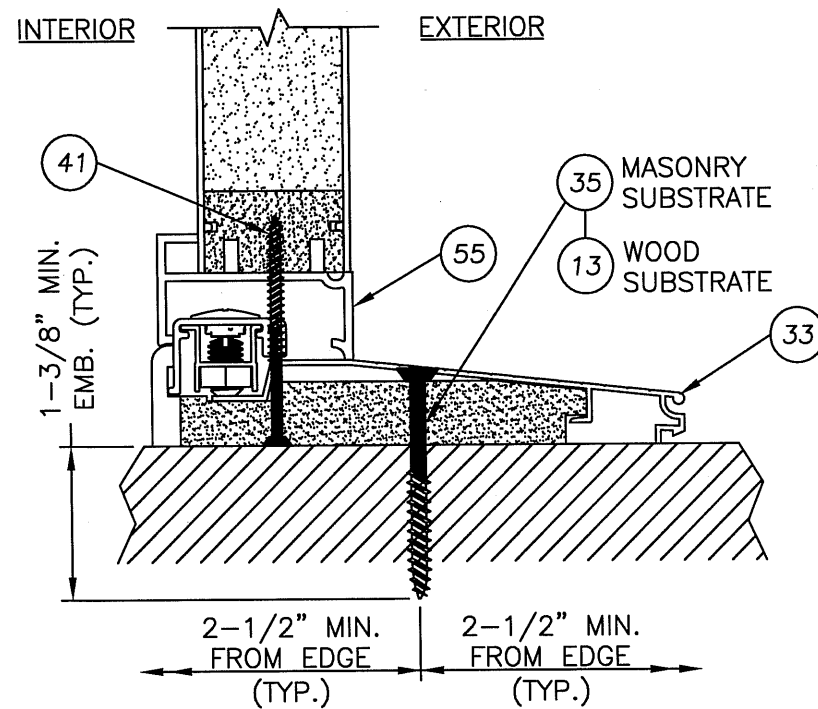
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3 VERTICAL CROSS SECTION
7 OUTSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)



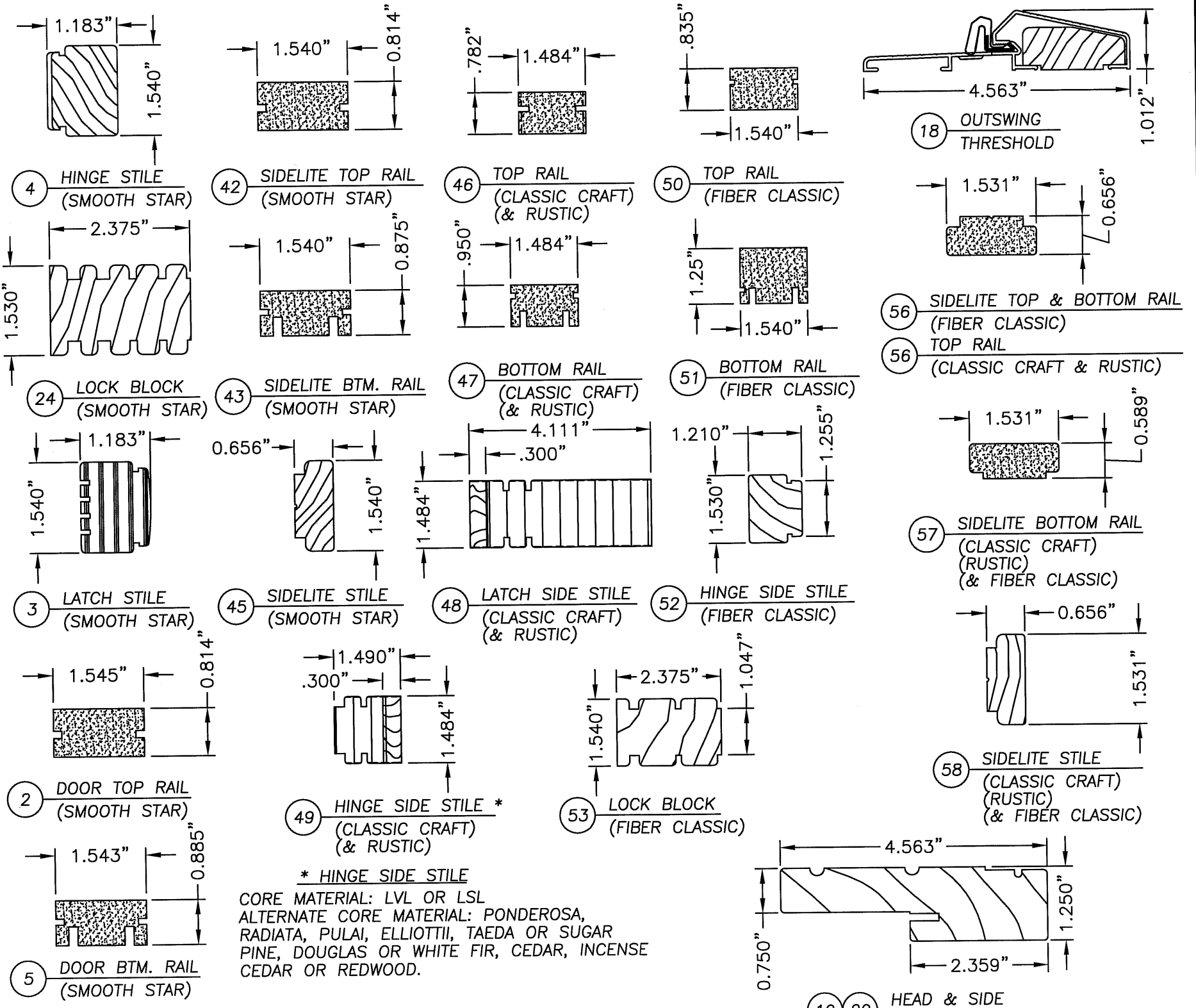
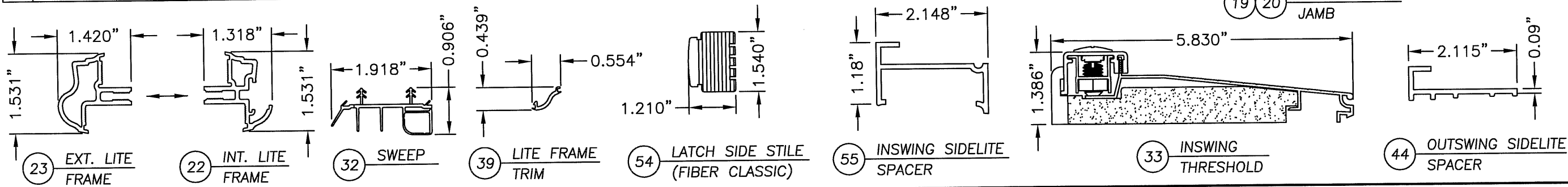
1 VERTICAL CROSS SECTION
7 ("SMOOTH STAR SERIES" SHOWN)



4 VERTICAL CROSS SECTION
7 INSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)

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NO.	DATE	BY	REVISIONS
1			
2			
3			
4			
5			
6			
7			
DATE: 12/15/06			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: WWH			
DRAWING NO.: TX-3181			
SHEET 7 OF 9			

Item	DESCRIPTION	Material
1	DOOR SKIN; SMOOTH STAR SERIES (.065" MIN.)	FIBERGLASS
1A	DOOR SKIN; CLASSIC CRAFT SERIES & RUSTIC (.090" MIN.)	FIBERGLASS
1B	DOOR SKIN; FIBER CLASSIC SERIES (.065" MIN.)	FIBERGLASS
2	TOP RAIL DOOR THERMA-TRU (SMOOTH STAR)	COMP.
3	LATCH STILE DOOR THERMA-TRU (SMOOTH STAR)	LVL
4	HINGE STILE DOOR THERMA-TRU (SMOOTH STAR)	WOOD
5	BOTTOM RAIL DOOR THERMA-TRU (SMOOTH STAR)	COMP.
6	POLYURETHANE FOAM	FOAM
7	MEDIUM REACH COMPRESSION WEATHER-STRIP (THERMA-TRU)	FOAM
8	LONG REACH COMPRESSION WEATHER-STRIP (THERMA-TRU)	FOAM
9	4" x 4" HINGE .097" THK. (THERMA-TRU)	STEEL
10	#10 x 3/4" PFH WOOD SCREW (Hinge to Frame)	STEEL
11	#10 x 1-1/2" PPH SHEET METAL SCREW	STEEL
12	#10 x 2" PFH WOOD SCREW	STEEL
13	#10 x 2-1/2" PFH WOOD SCREW	STEEL
14	2X FRAMING	WOOD
15	NOT USED	-
16	MAX. 1/4" SHIM MATERIAL	WOOD
17	KWIKSET 200 SERIES PASSAGE LOCK	STEEL
18	THRESHOLD OUTSWING (THERMA-TRU)	ALUM./WOOD
19	HEADER JAMB (4.656" x 1.25" THERMA-TRU, PINE)	WOOD
20	SIDE JAMB (4.656" x 1.25" THERMA-TRU) (FJ PINE)	WOOD
21	KWIKSET 600 SERIES DEADBOLT	STEEL
22	INTERIOR LITE FRAME	ALUM.
23	EXTERIOR LITE FRAME	ALUM.
24	LOCK BLOCK (SMOOTH STAR)	WOOD
25	SILICONE CAULK	SILICONE
26	CELLULAR GLAZING TAPE	FOAM
27	LATCH STRIKE	STEEL
28	#8 x 2-1/2" PFH WOOD SCREW	STEEL
29	#8 x 3" PFH SCREW	STEEL
30	1" THK. INSUL. LAMINATED GLASS (INTERLAYER BY SOLUTIA) 1/8" TEMP.- AIR - 5/32" ANN. / .090" INTERLAYER / 1/8" ANN.	GLASS
31	NOT USED	-
32	DOOR BOTTOM SWEEP (INSWING)	PVC
33	INSWING THRESHOLD	ALUM./COMP.
34	NOT USED	-
35	1/4" x 2-1/4" ITW TAPCON	STEEL
36	1/4" x 1-3/4" ITW TAPCON	STEEL
37	NOT USED	-
38	NOT USED	-
39	LITE FRAME TRIM	PVC
40	#9 x 3" PFH WOOD SCREW	STEEL
41	#9 x 2-1/2" PFH SCREW	STEEL
42	SIDELITE TOP RAIL (SMOOTH STAR)	COMP.
43	SIDELITE BOTTOM RAIL (SMOOTH STAR)	COMP.
44	OUTSWING SIDELITE SPACER	PVC
45	SIDELITE STILE (SMOOTH STAR)	WOOD
46	TOP RAIL (CLASSIC CRAFT & RUSTIC)	COMP.
47	BOTTOM RAIL (CLASSIC CRAFT & RUSTIC)	COMP.
48	LATCH SIDE STILE (CLASSIC CRAFT & RUSTIC)	LSL / OAK
49	HINGE SIDE STILE (CLASSIC CRAFT & RUSTIC)	LSL / OAK
50	TOP RAIL (FIBER CLASSIC)	COMP.
51	BOTTOM RAIL (FIBER CLASSIC)	COMP.
52	HINGE SIDE STILE (FIBER CLASSIC)	WOOD
53	LOCK BLOCK (FIBER CLASSIC)	WOOD
54	LATCH SIDE STILE (FIBER CLASSIC)	LVL / OAK
55	SIDELITE SPACER INSWING	PVC
56	SIDELITE TOP & BOTTOM RAIL (CLASSIC CRAFT, RUSTIC & FIBER CLASSIC)	COMP.
57	SIDELITE BOTTOM RAIL (CLASSIC CRAFT, RUSTIC & FIBER CLASSIC)	COMP.
58	SIDELITE STILE (CLASSIC CRAFT, RUSTIC & FIBER CLASSIC)	WOOD



Documents Prepared By:		BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.659.9197 Florida Board of Professional Engineers Certificate Of Authorization No. 9813	
PRODUCT:		THERMA-TRU GLAZED FIBERGLASS DOOR W/ SIDELITE IN/OUTSWING "IMPACT"	
PART OR ASSEMBLY:		BILL OF MATERIALS & COMPONENTS	
NO.		DATE	
BY		REVISIONS	
DATE: 12/15/06		SCALE: N.T.S.	
DWG. BY: AEM		CHK. BY: WWH	
DRAWING NO.: TX-3181		SHEET 9 OF 9	

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

**"SMOOTH STAR", "FIBER CLASSIC",
"CLASSIC CRAFT" & "CLASSIC CRAFT RUSTIC"
GLAZED FIBERGLASS DOOR W/SIDELITES
IN SWING / OUT SWING
"IMPACT"**

EVALUATED FOR USE IN THE STATE OF TEXAS

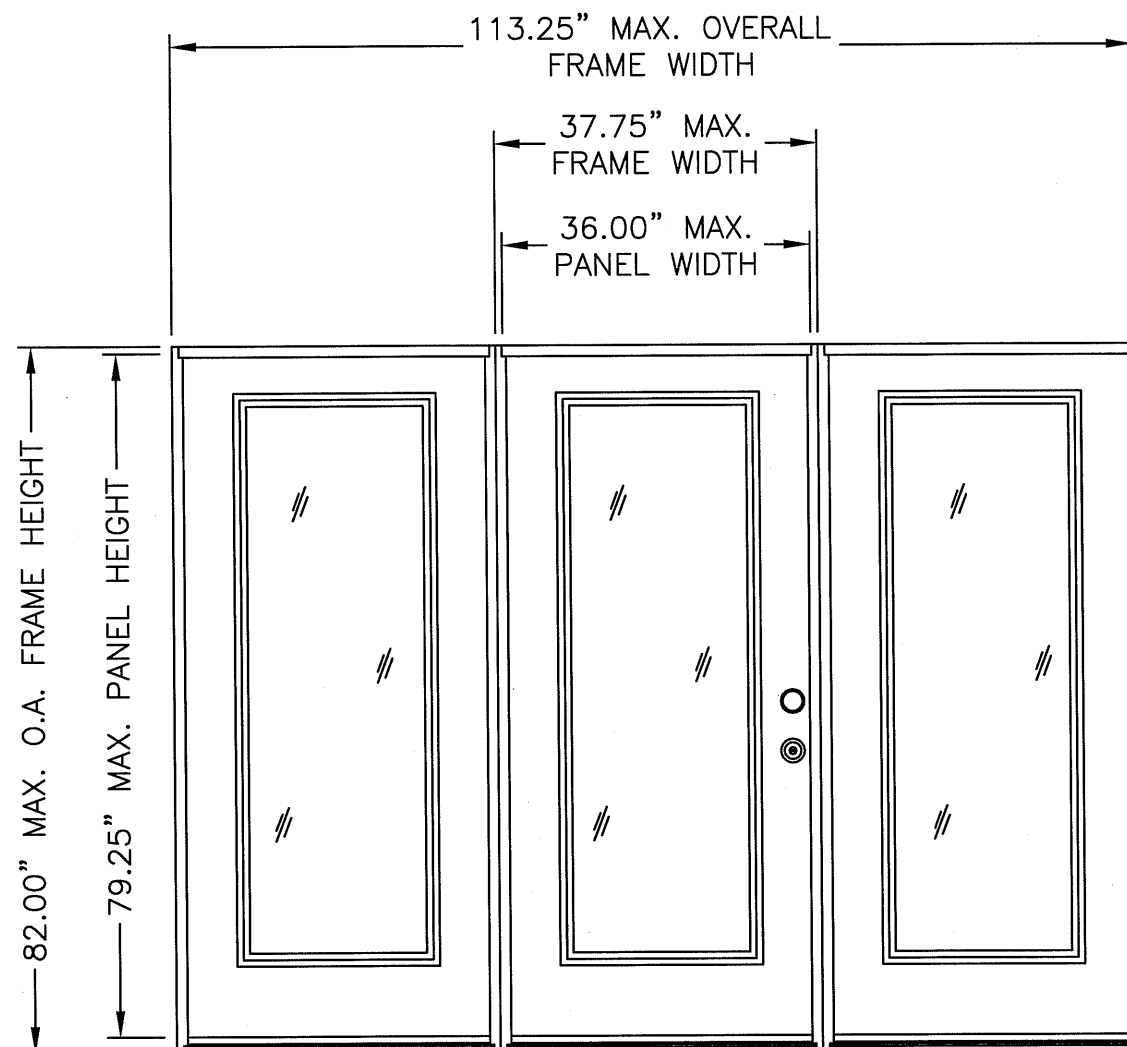
THE THERMA-TRU FIBERGLASS DOOR DESCRIBED HEREIN COMPLIES WITH THE INTERNATIONAL RESIDENTIAL CODE (IRC), SECTIONS R301 & R613 AND THE INTERNATIONAL BUILDING CODE (IBC), SECTIONS 1714.5 1405.12, 1609, 2403 AND 2404 (INCLUDING TEXAS REVISIONS) SUBJECT TO THE FOLLOWING CONDITIONS:

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 wind borne debris regions (SEAWARD and INLAND I ZONES), the Product complies with Sections R301.2.1.2 and 1609.1.4 as an impact resistant product and does not require the use of an approved impact resistant covering. This product does not meet the requirements for enhanced protection of essential facilities as defined in ASTM E1996.
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 101/I.S.2/A440-05, ASTM E1886-02 and ASTM E1996-02 as performed by Testing Evaluation Laboratories Inc. and report number TEL 06-0718-1, dated July 17, 2006 and signed by Wendell W. Haney, P.E.
2. Testing per TAS 201-94, TAS 202-94 and TAS 203-94 as performed by Testing Evaluation Laboratories Inc. and reported in test report number TEL 06-1031-4, November 9, 2006 and signed by Wendell W. Haney, P.E.
3. Anchor analysis for loading conditions prepared, signed and sealed by Wendell W. Haney, P.E. Glass load resistance report ASTM E1300-00, prepared by Wendell W. Haney, P.E..
4. Certificate of Participation issued by the National Accreditation and Management Institute, Inc., certifying that Therma Tru Corporation is manufacturing products within a Quality Assurance program.

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SHEET #	DESCRIPTION
1	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
2	DOOR & SIDELITE PANEL CROSS SECTIONS "SMOOTH STAR"
3	DOOR & SIDELITE PANEL CROSS SECTIONS "CLASSIC CRAFT" & "RUSTIC"
4	DOOR & SIDELITE PANEL CROSS SECTIONS "FIBER CLASSIC"
5	HORIZONTAL CROSS SECTIONS
6	VERTICAL CROSS SECTIONS
7	VERTICAL CROSS SECTIONS
8	FRAME ANCHORING
9	BILL OF MATERIALS & COMPONENTS


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"SMOOTH STAR", "FIBER CLASSIC"
"CLASSIC CRAFT" & "CLASSIC CRAFT RUSTIC"

SWING	OVERALL FRAME DIMENSION	OVERALL D.L.O. DOOR / SIDELITE DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
INSWING	113.25" X 82.00"	21.00" X 63.25"	+49.2	-50.0
OUTSWING	113.25" X 80.62"	21.00" X 63.25"	+49.2	-50.0

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GLAZED FIBERGLASS DOOR W/
SIDELITES IN/OUTSWING "IMPACT"

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

[illegible]

DATE: 12/15/06

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DWG. BY: AEM

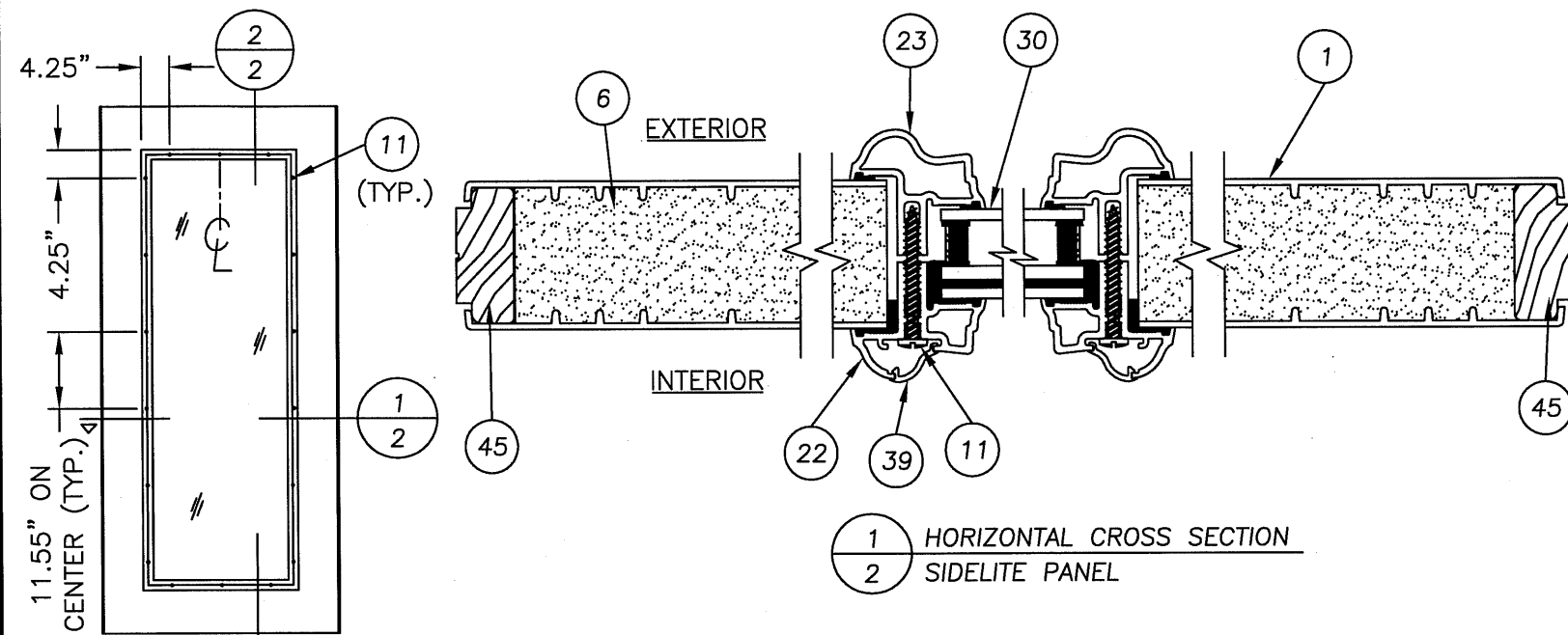
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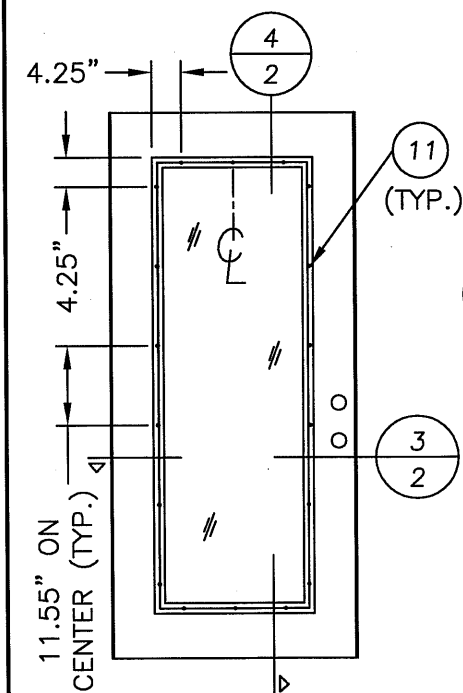
TX-3182

SHEET 1 OF 9

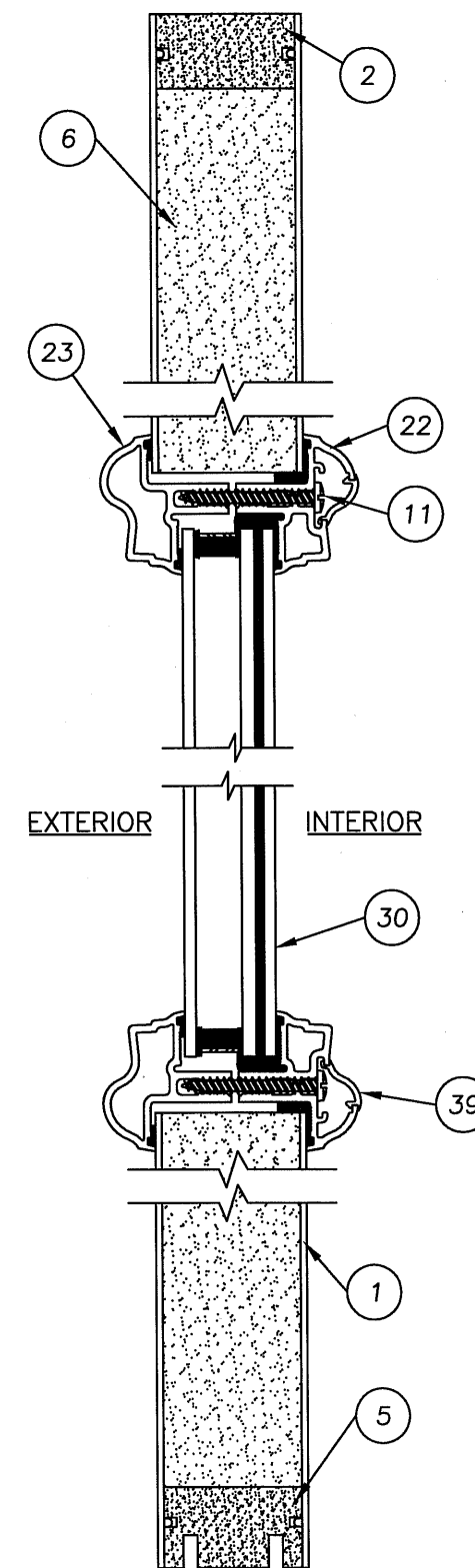
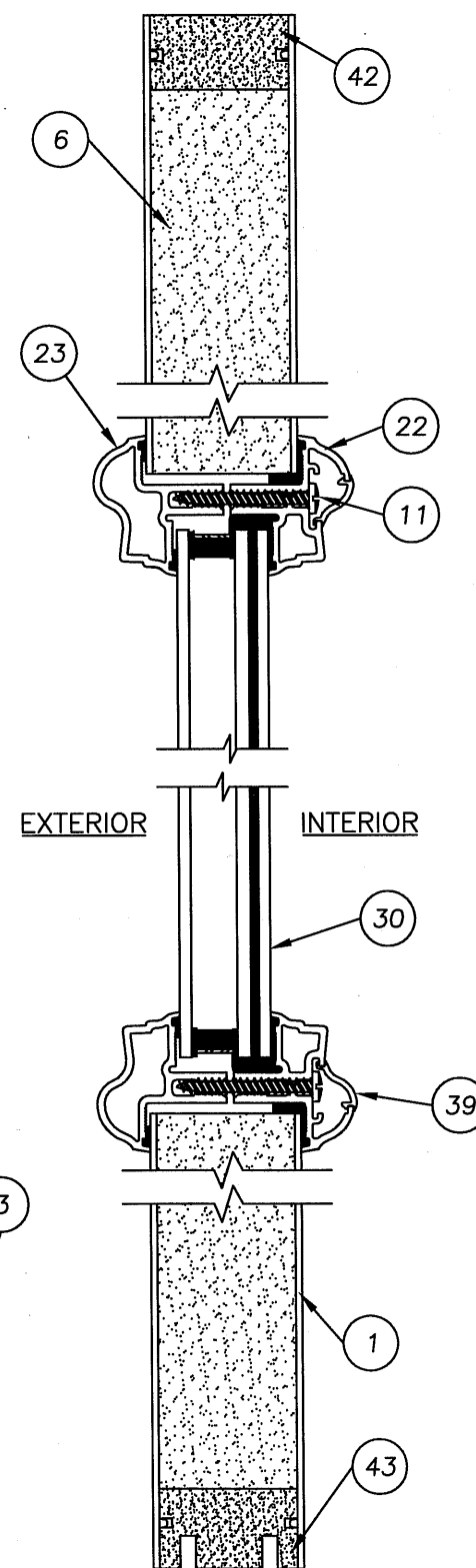
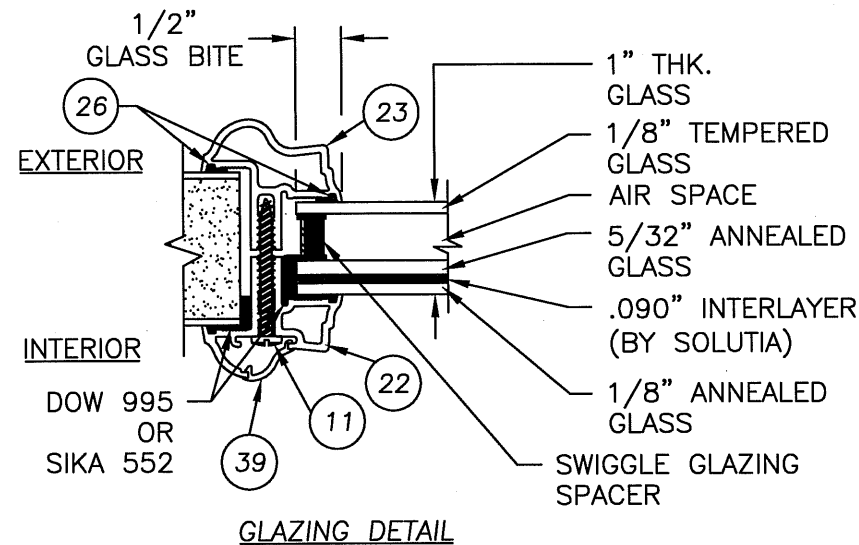
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SIDELITE PANEL



DOOR PANEL



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GLAZED FIBERGLASS DOOR W/
SIDELITES IN/OUTSWING "IMPACT"
PART OR ASSEMBLY:
"SMOOTH STAR" DOOR/SIDELITE
PANEL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

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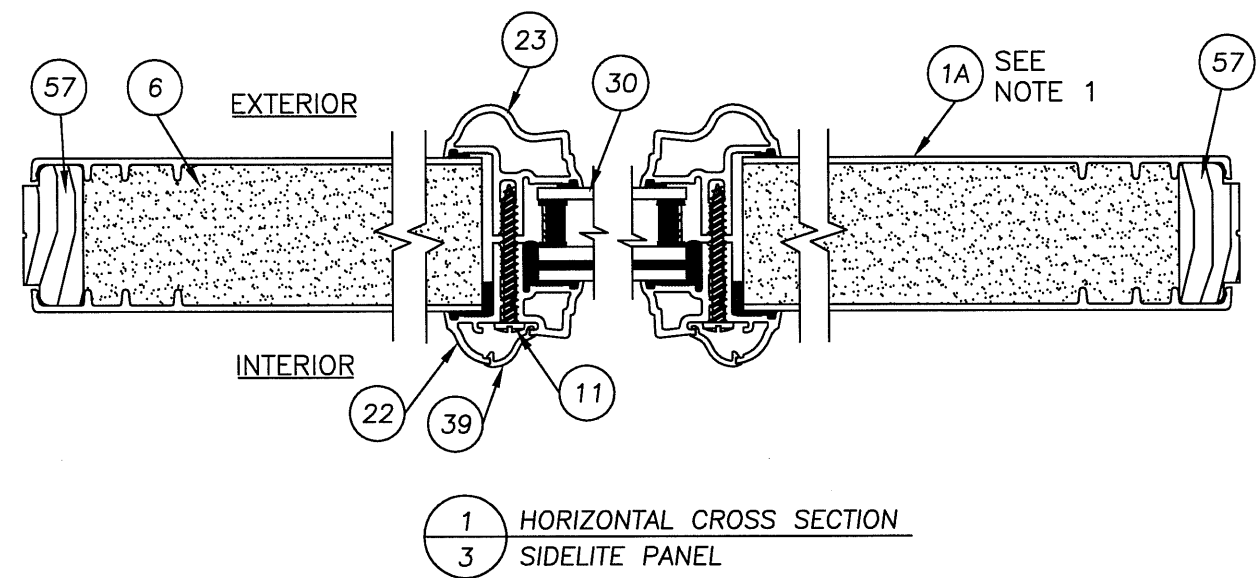
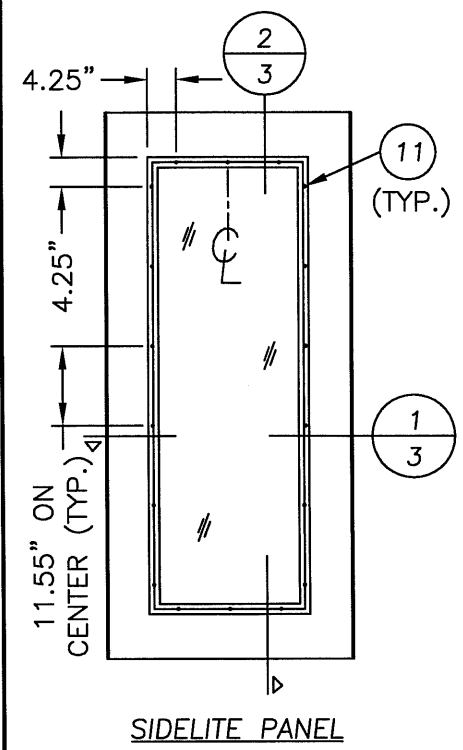
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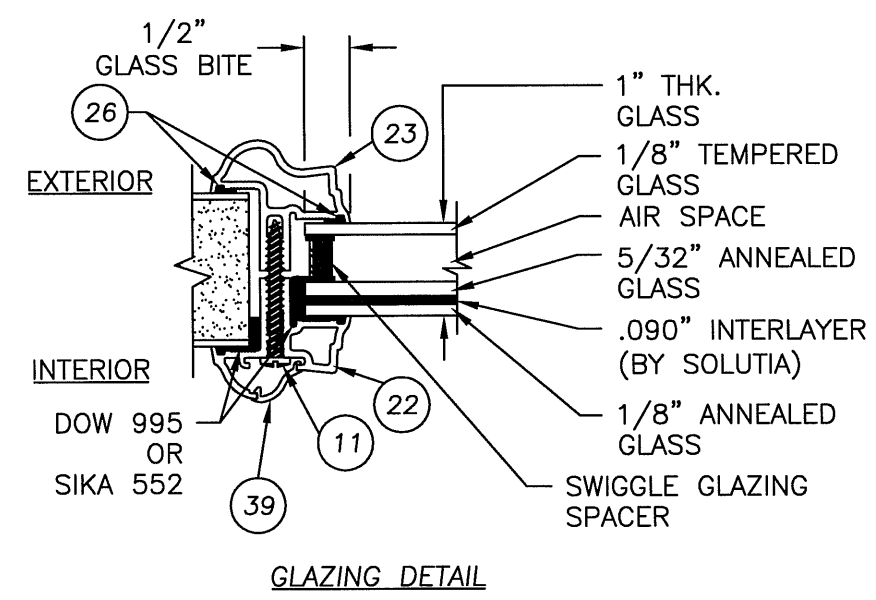
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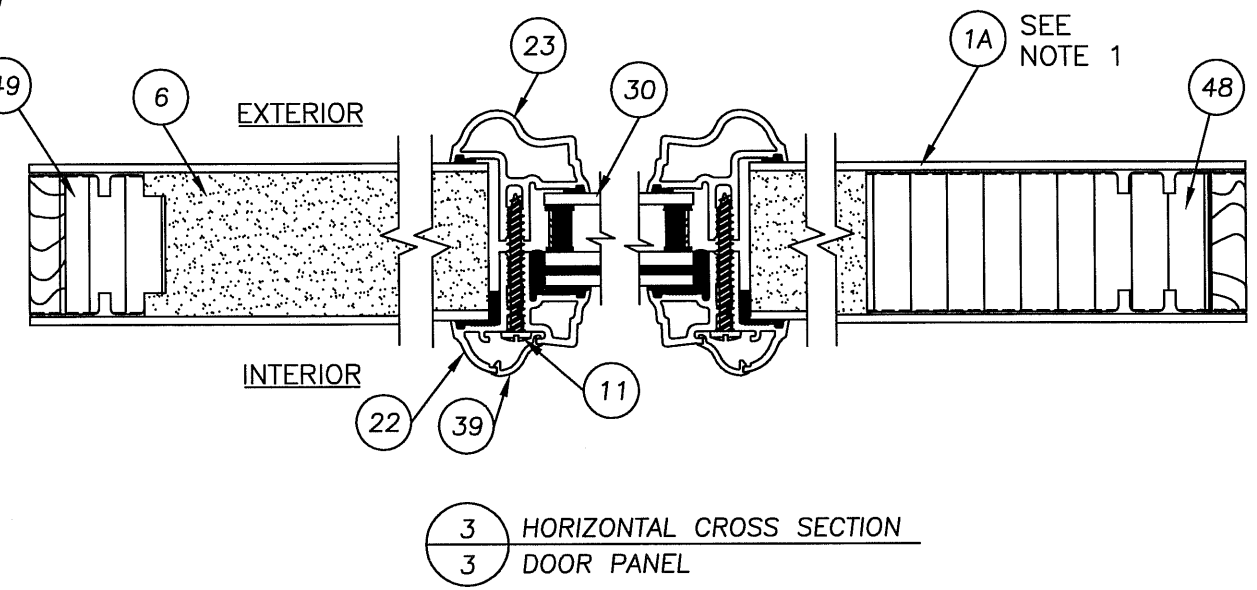
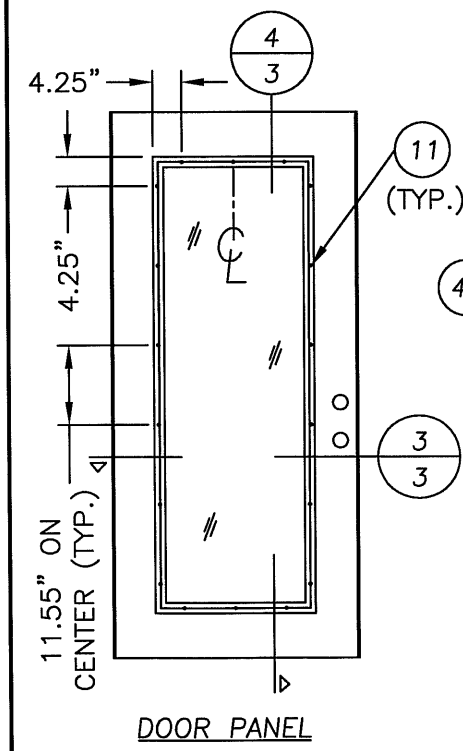
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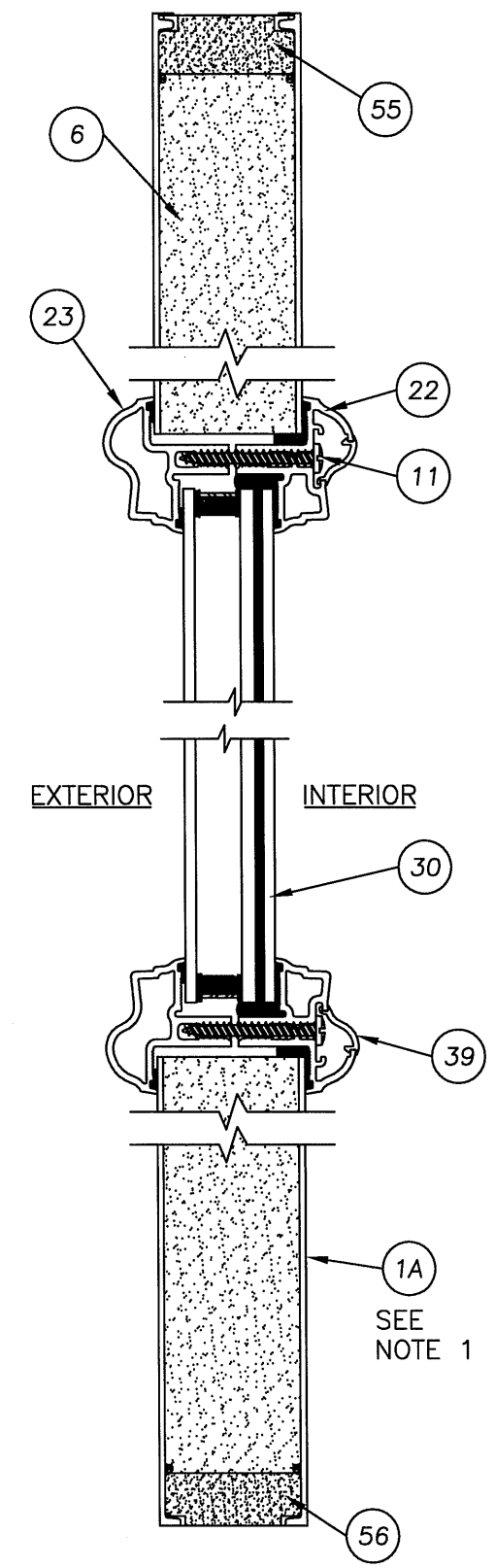
1
3
HORIZONTAL CROSS SECTION
SIDELITE PANEL



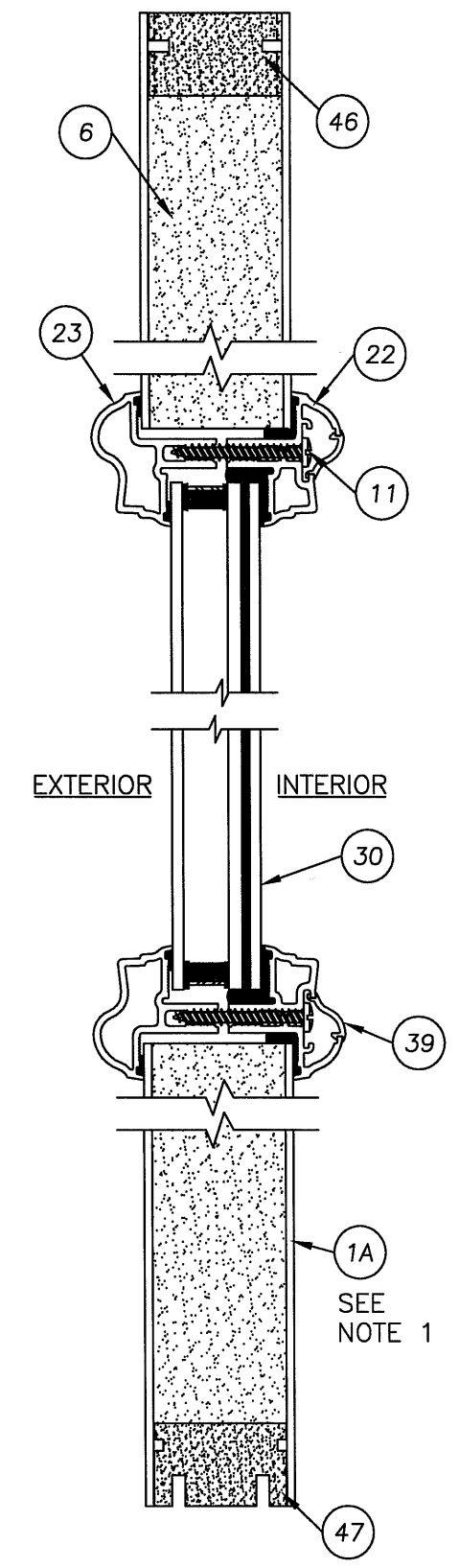
GLAZING DETAIL



3
3
HORIZONTAL CROSS SECTION
DOOR PANEL



2
3
VERTICAL CROSS SECTION
SIDELITE PANEL



4
3
VERTICAL CROSS SECTION
DOOR PANEL

NOTE:
1. "RUSTIC" PANEL UTILIZES MAHOGANY
GRAINING PATTERN, "CLASSIC CRAFT"
PANEL UTILIZES OAK GRAINING PATTERN.

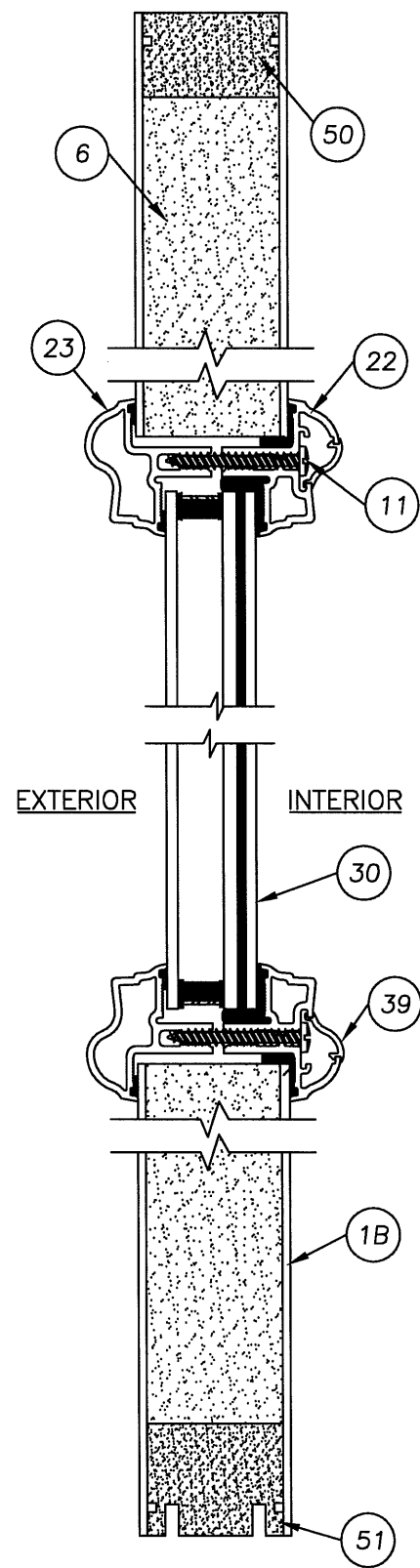
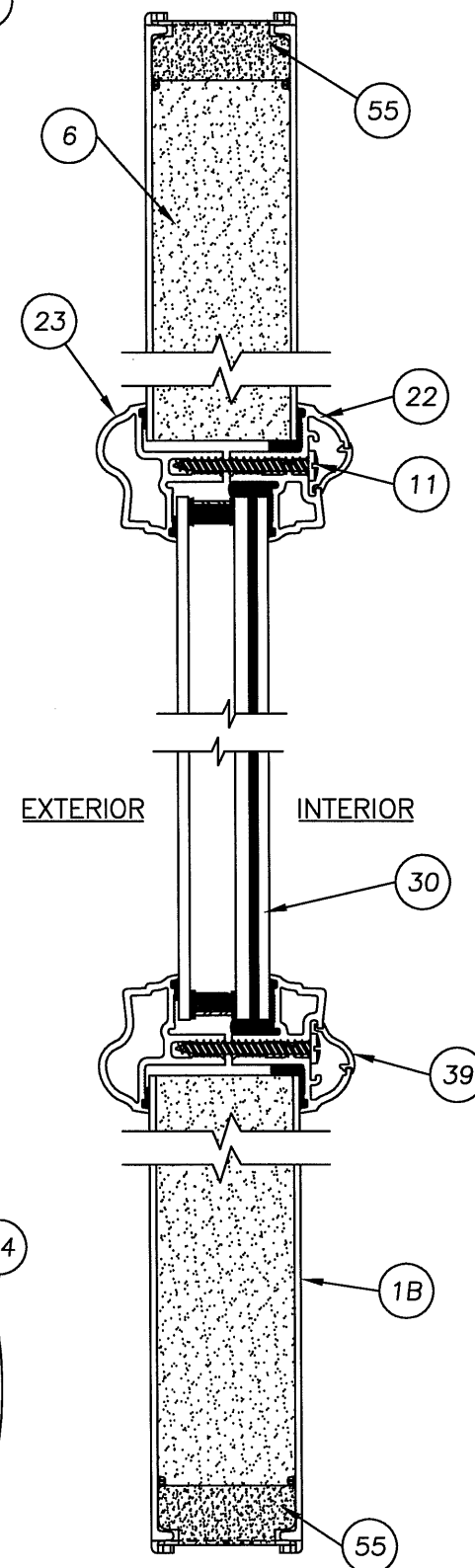
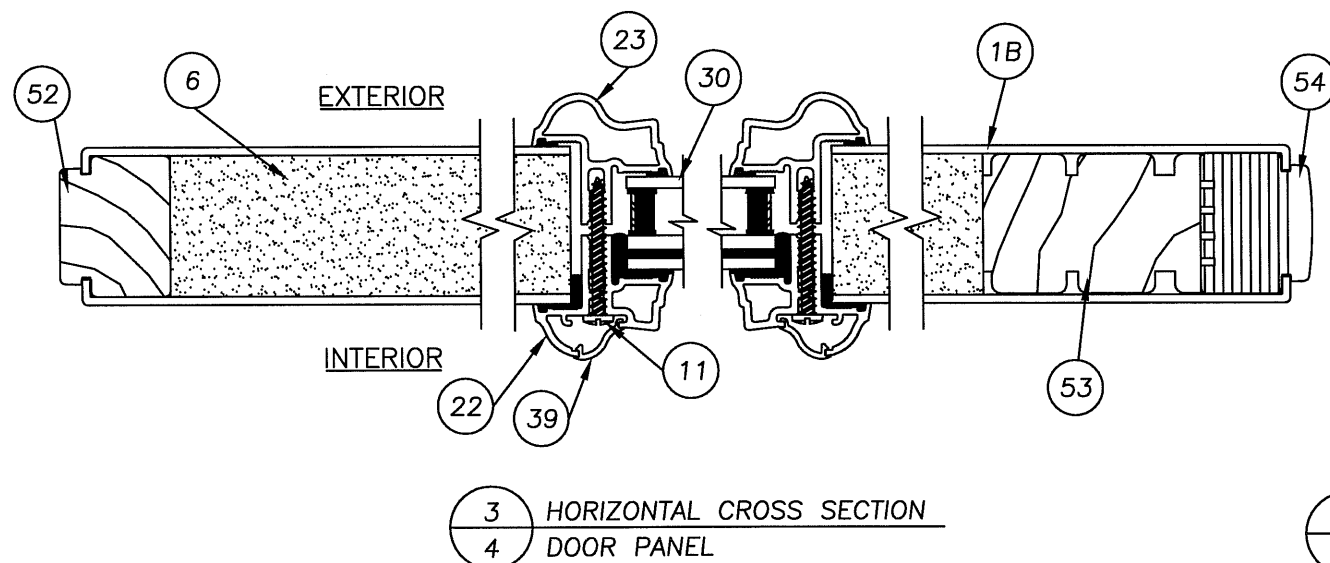
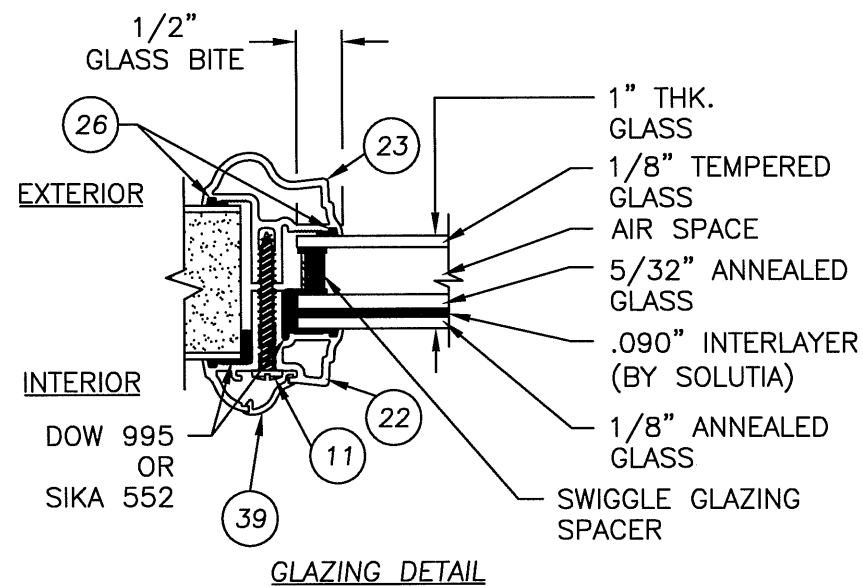
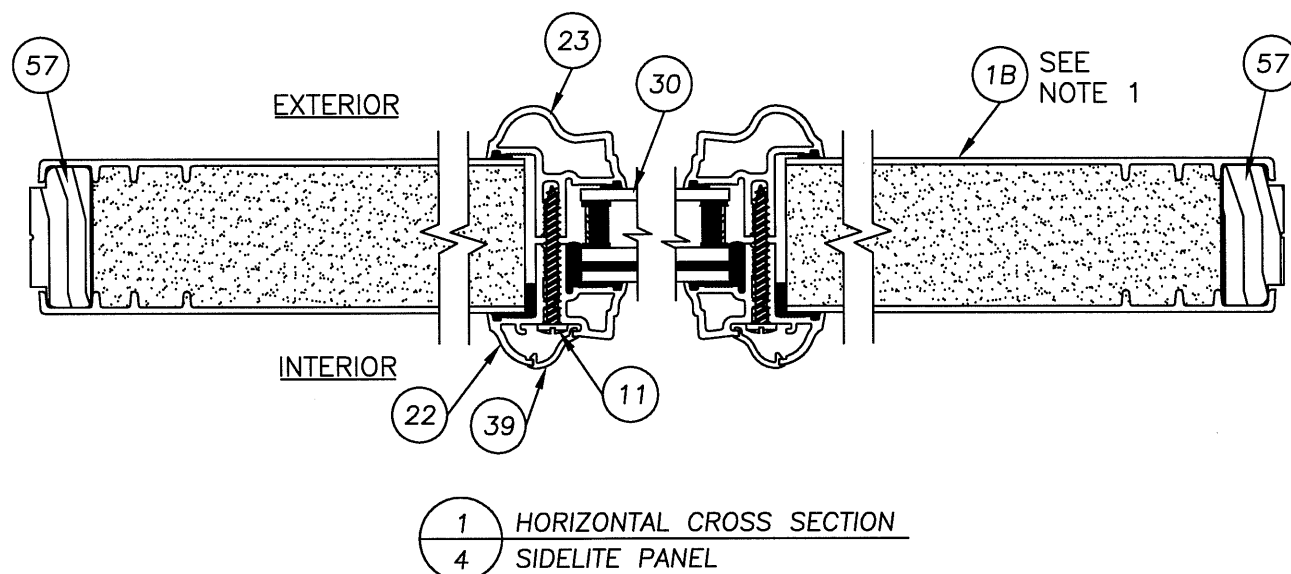
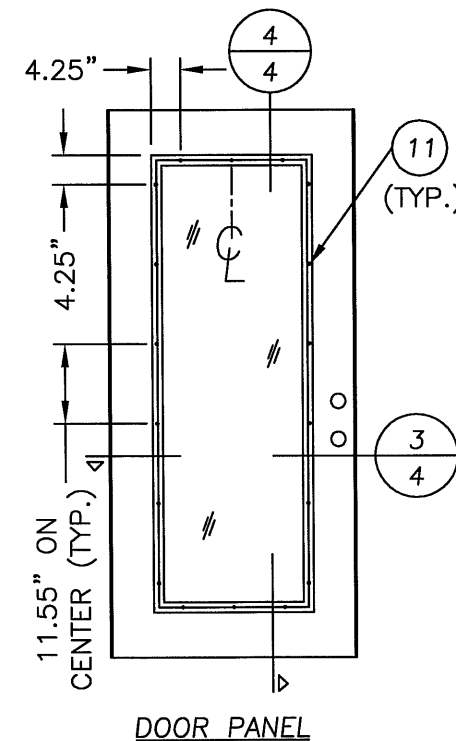
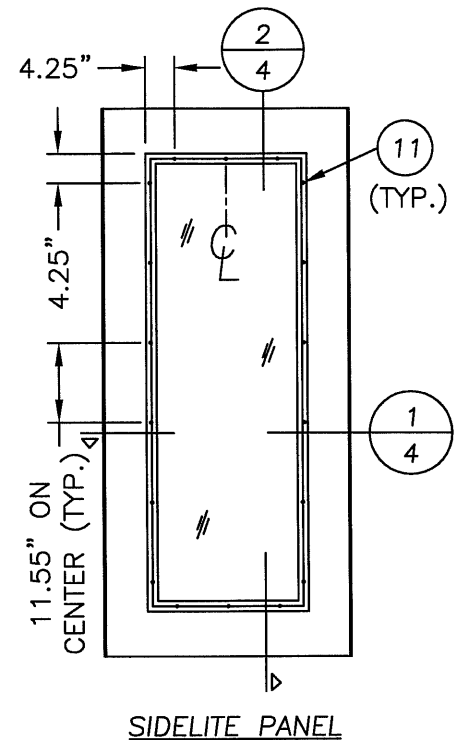
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SIDELITES IN/OUTSWING "IMPACT"
PART OR ASSEMBLY:
"CLASSIC CRAFT" & "RUSTIC"
DOOR PANEL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3182
SHEET 3 OF 9

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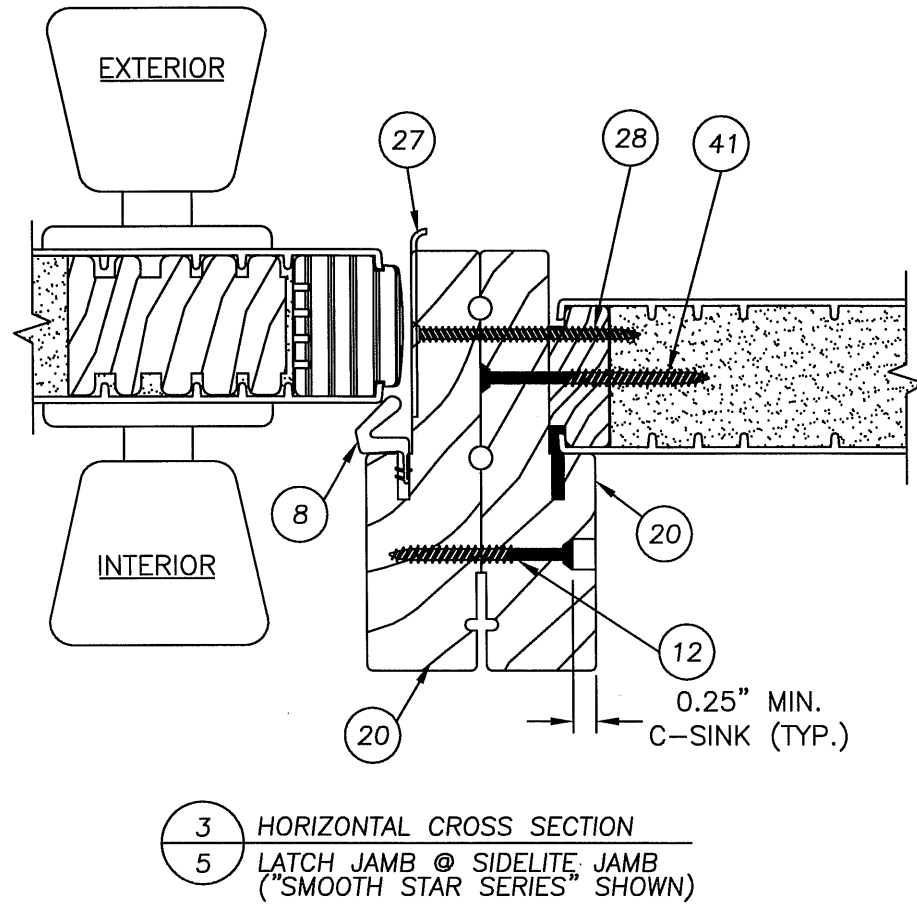
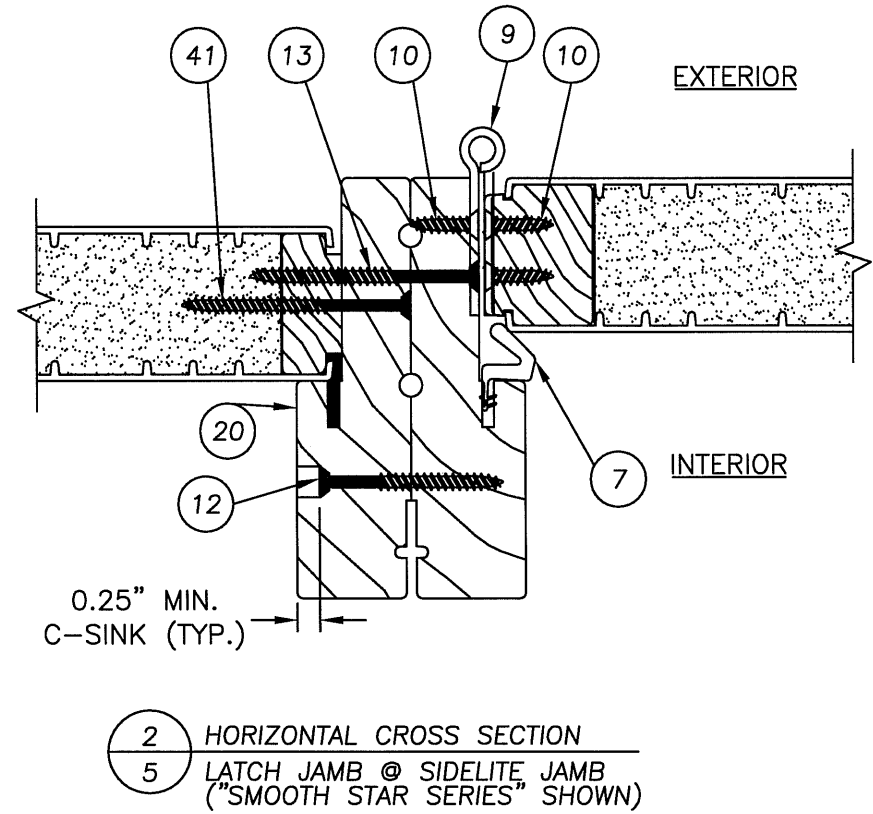
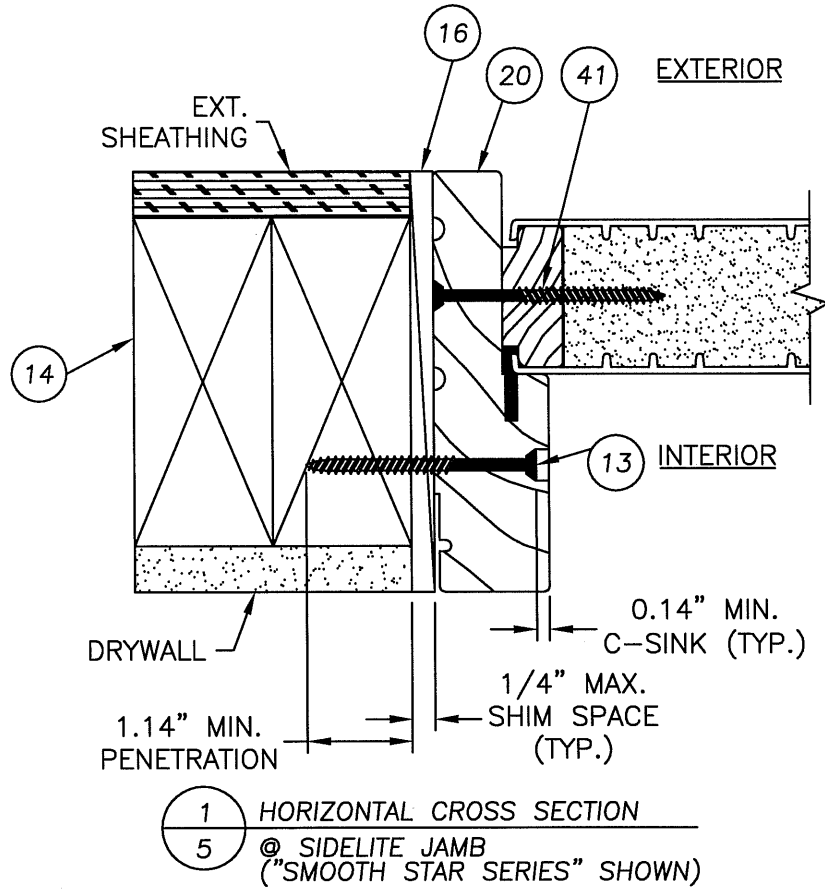
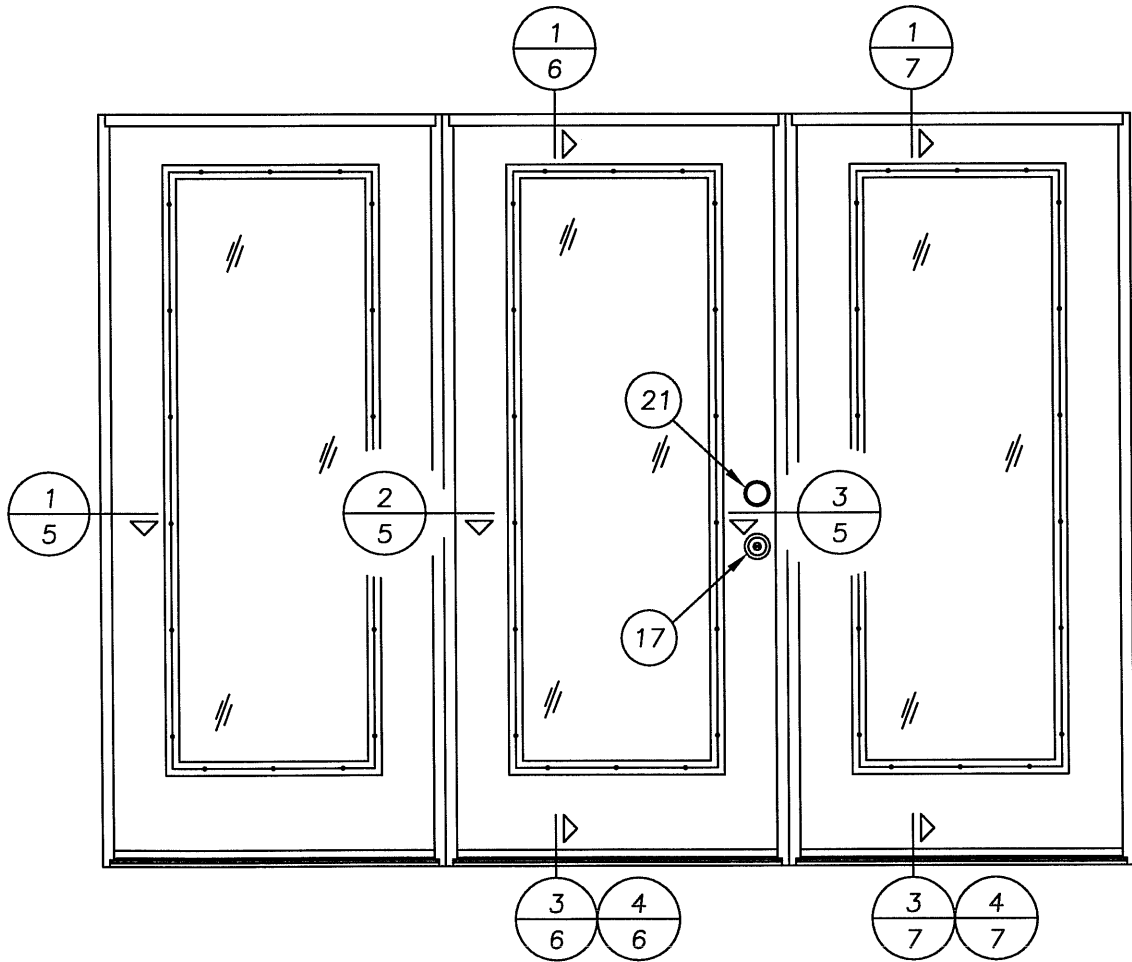
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GLAZED FIBERGLASS DOOR W/
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PART OR ASSEMBLY:
"FIBER CLASSIC" DOOR/SIDELITE
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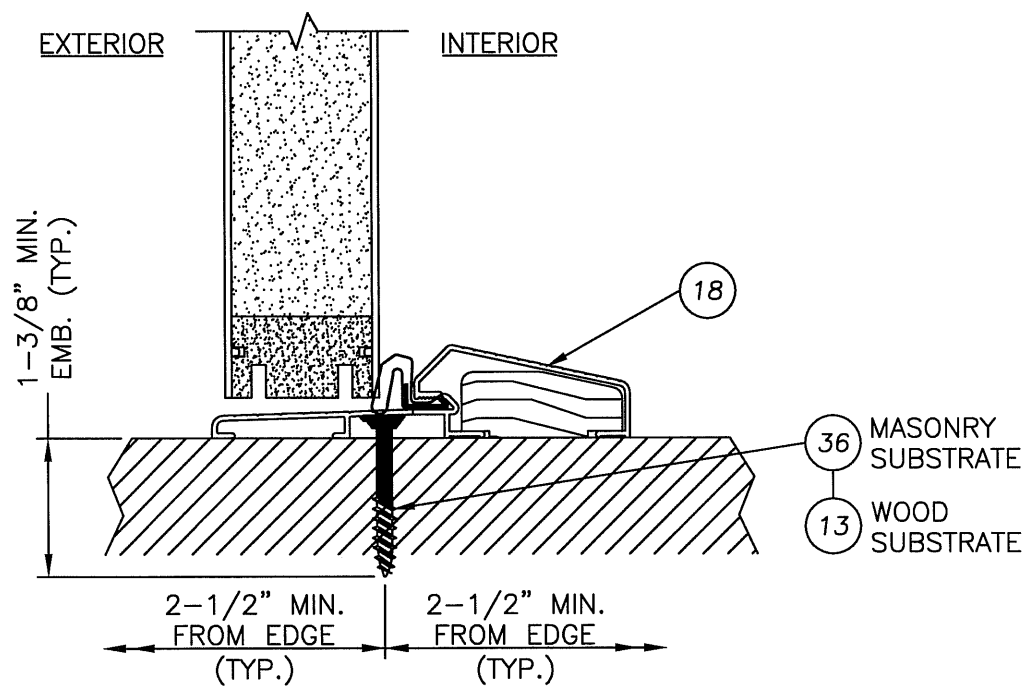
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Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Haney, P.E. No. 54158

PRODUCT: THERMA-TRU
GLAZED FIBERGLASS DOOR S/
SIDELITES IN/OUTSWING "IMPACT"
PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

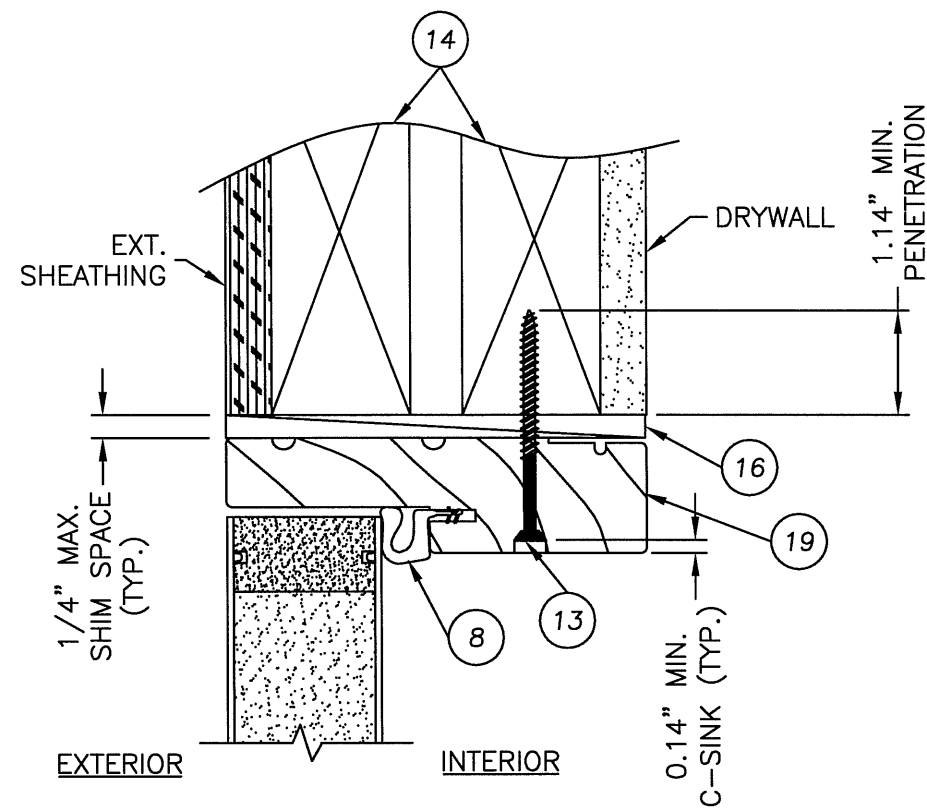
REVISIONS		NO.	DATE	BY

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3182
SHEET 5 OF 9

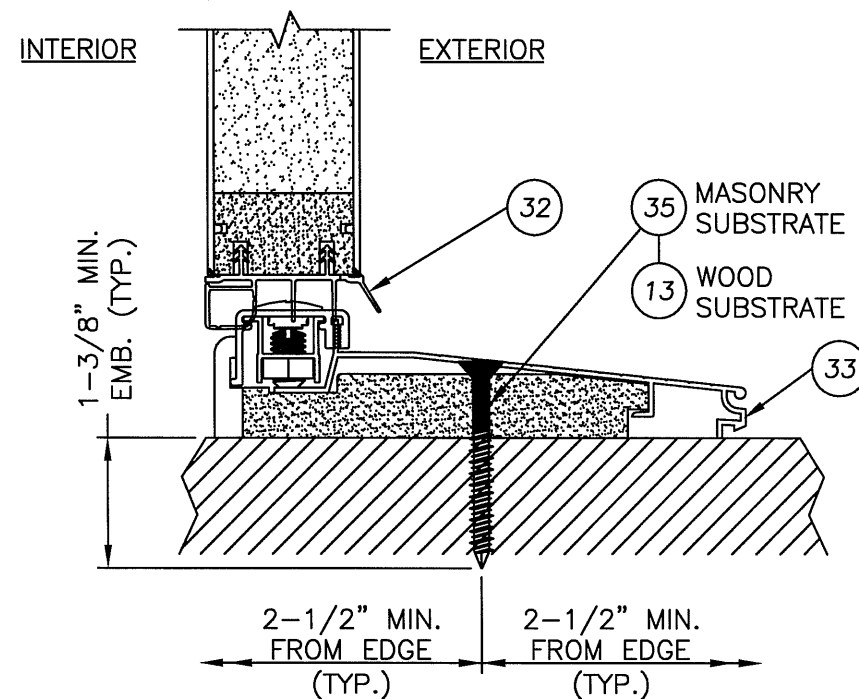
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3 VERTICAL CROSS SECTION
6 OUTSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)



1 VERTICAL CROSS SECTION
6 ("SMOOTH STAR SERIES" SHOWN)



4 VERTICAL CROSS SECTION
6 INSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)

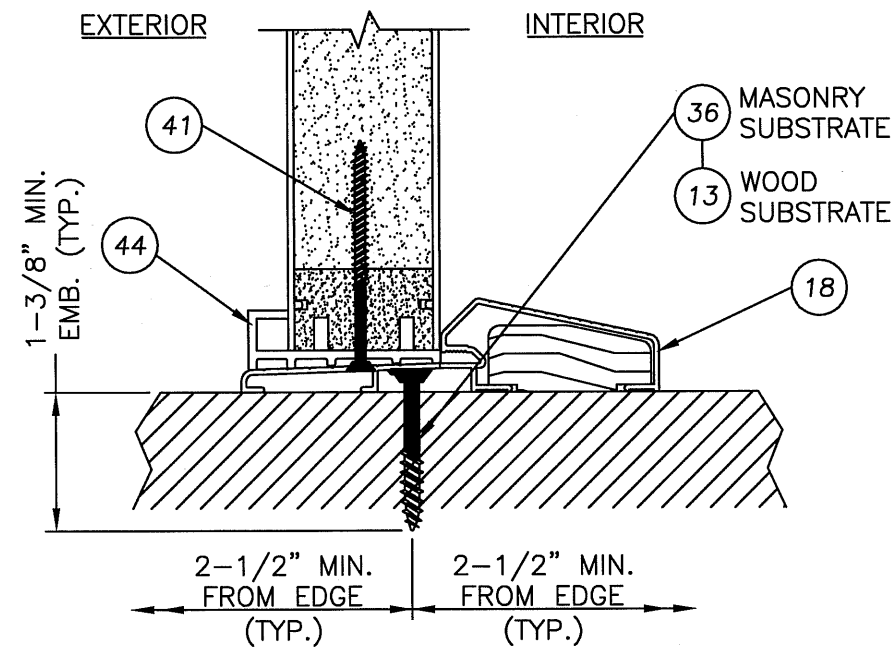
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GLAZED FIBERGLASS DOOR W/
SIDELITES IN/OUTSWING "IMPACT"
PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS	BY

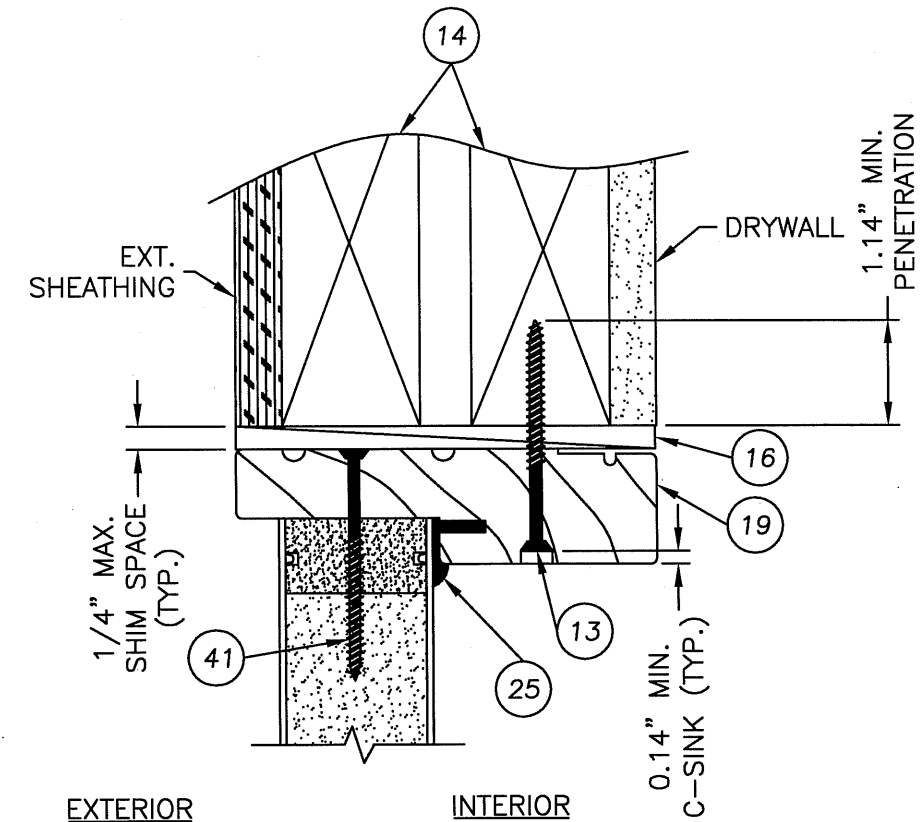
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DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3182
SHEET 6 OF 9

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Haney, P.E. No. 54158

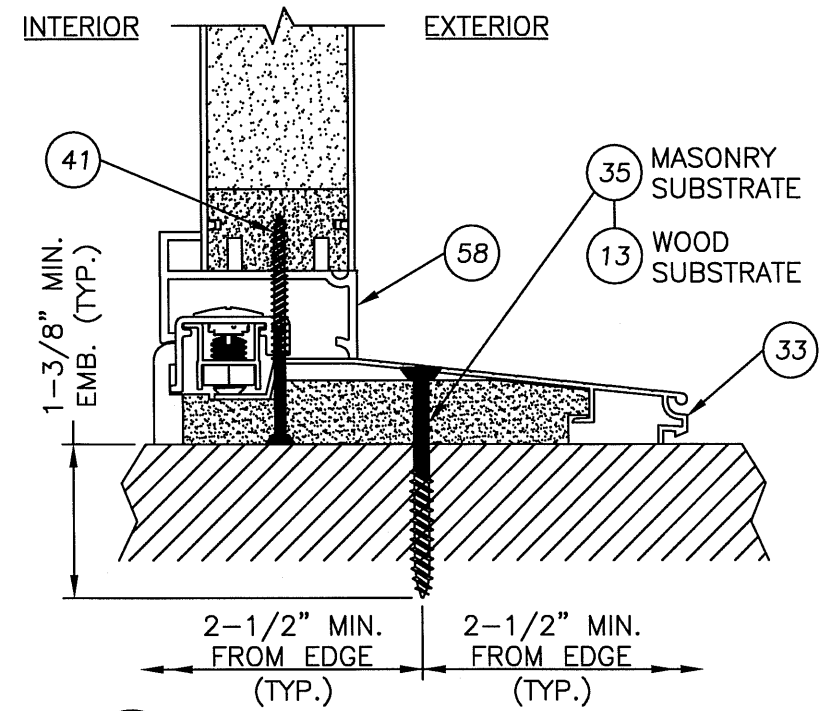
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3 VERTICAL CROSS SECTION
7 OUTSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)



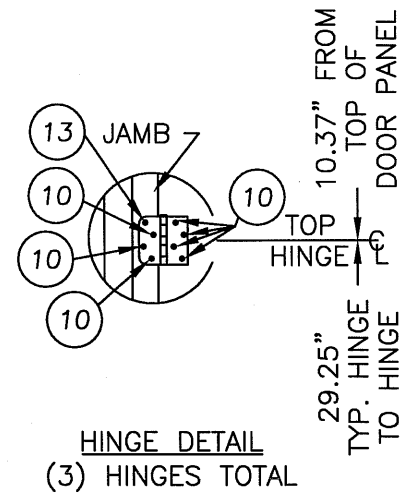
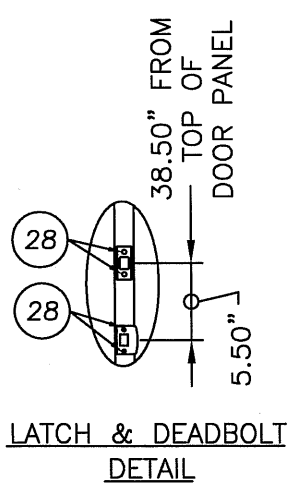
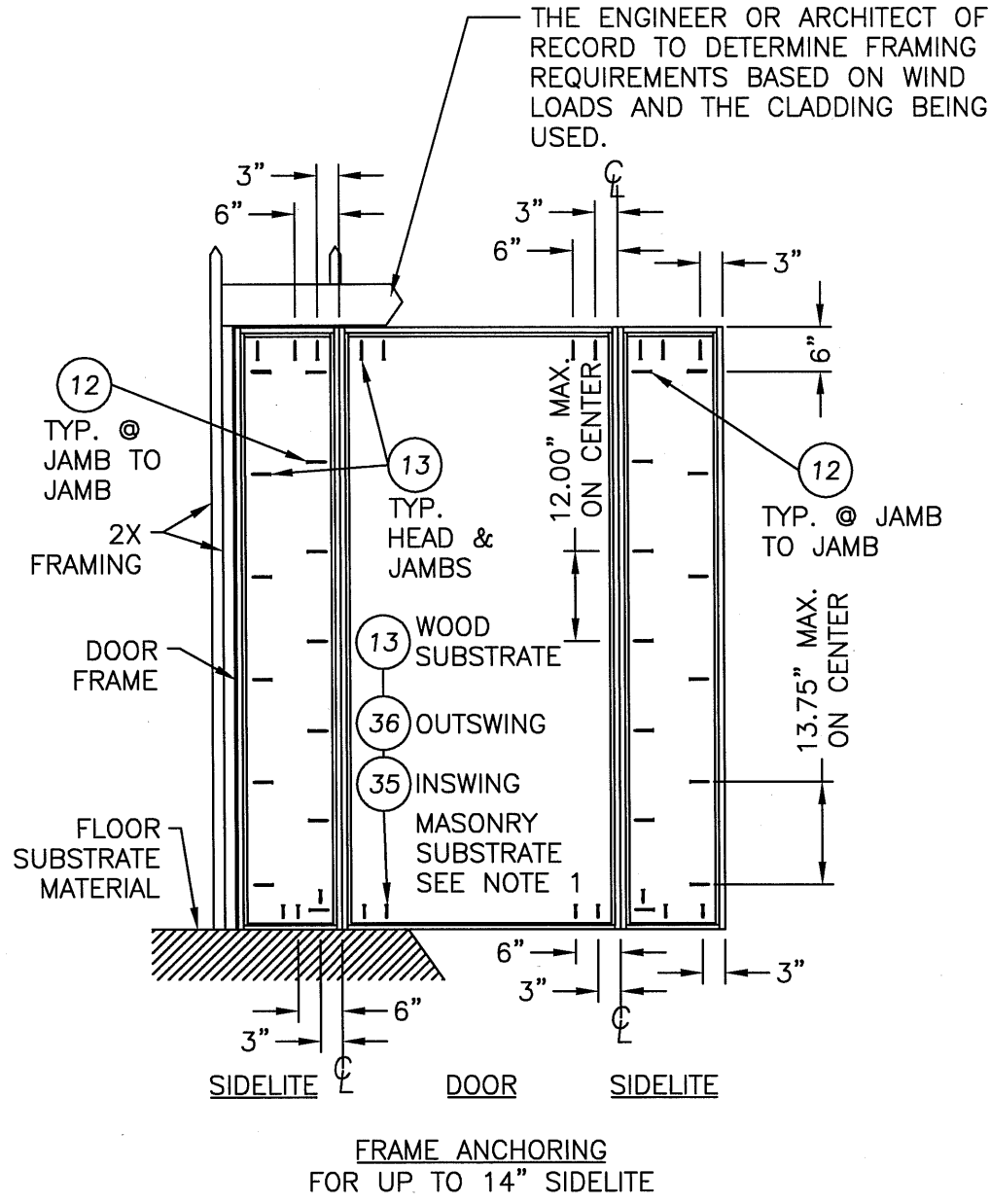
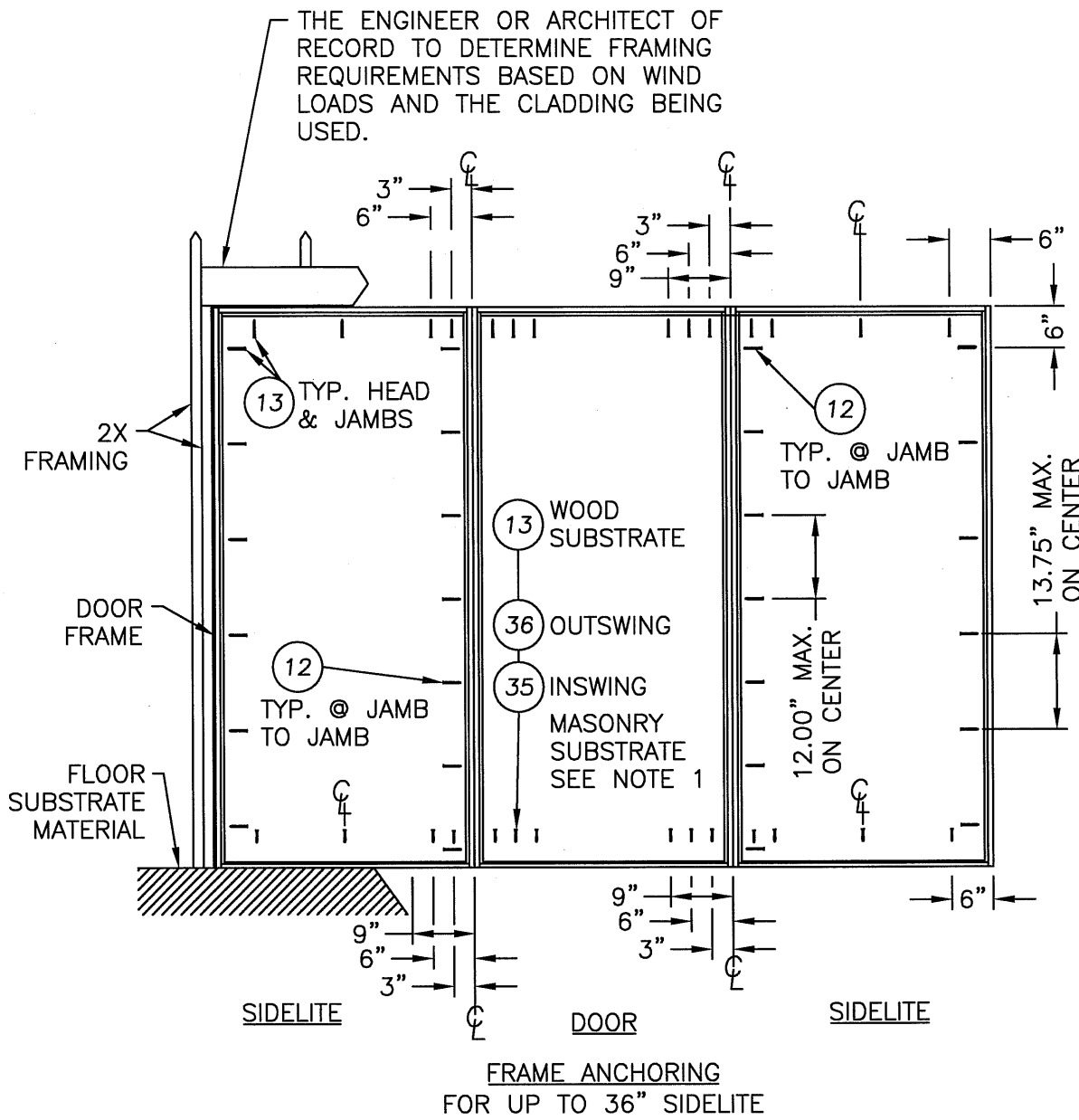
1 VERTICAL CROSS SECTION
7 ("SMOOTH STAR SERIES" SHOWN)



4 VERTICAL CROSS SECTION
7 INSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)

Documents Prepared By:		BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.659.9197 Florida Board of Professional Engineers Certificate Of Authorization No. 9813	
PRODUCT:		THERMA-TRU GLAZED FIBERGLASS DOOR W/ SIDELITES IN/OUTSWING "IMPACT"	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.		DATE	
BY		REVISIONS	
DATE: 12/15/06		SCALE: N.T.S.	
DWG. BY: AEM		CHK. BY: WWH	
DRAWING NO.: TX-3182		SHEET 7 OF 9	

R:\A - Projects\Project Folders\Proj 1101 - 1200\pf1105\ID. RWBC Drawings\TX-3182\TX-3182-8.DWG, Model



- NOTES:
1. 1/4" ITW CONCRETE SCREWS ANCHORING FRAME AND/OR SILL REQUIRE A MINIMUM 2-1/2" CLEARANCE TO MASONRY EDGES AND A MINIMUM 3" CLEARANCE TO ADJACENT CONCRETE SCREWS UNLESS OTHERWISE NOTED BY CONCRETE SCREW MANUFACTURER.

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PRODUCT:
THERMA-TRU
GLAZED FIBERGLASS DOOR W/
SIDELITES IN/OUTSWING "IMPACT"

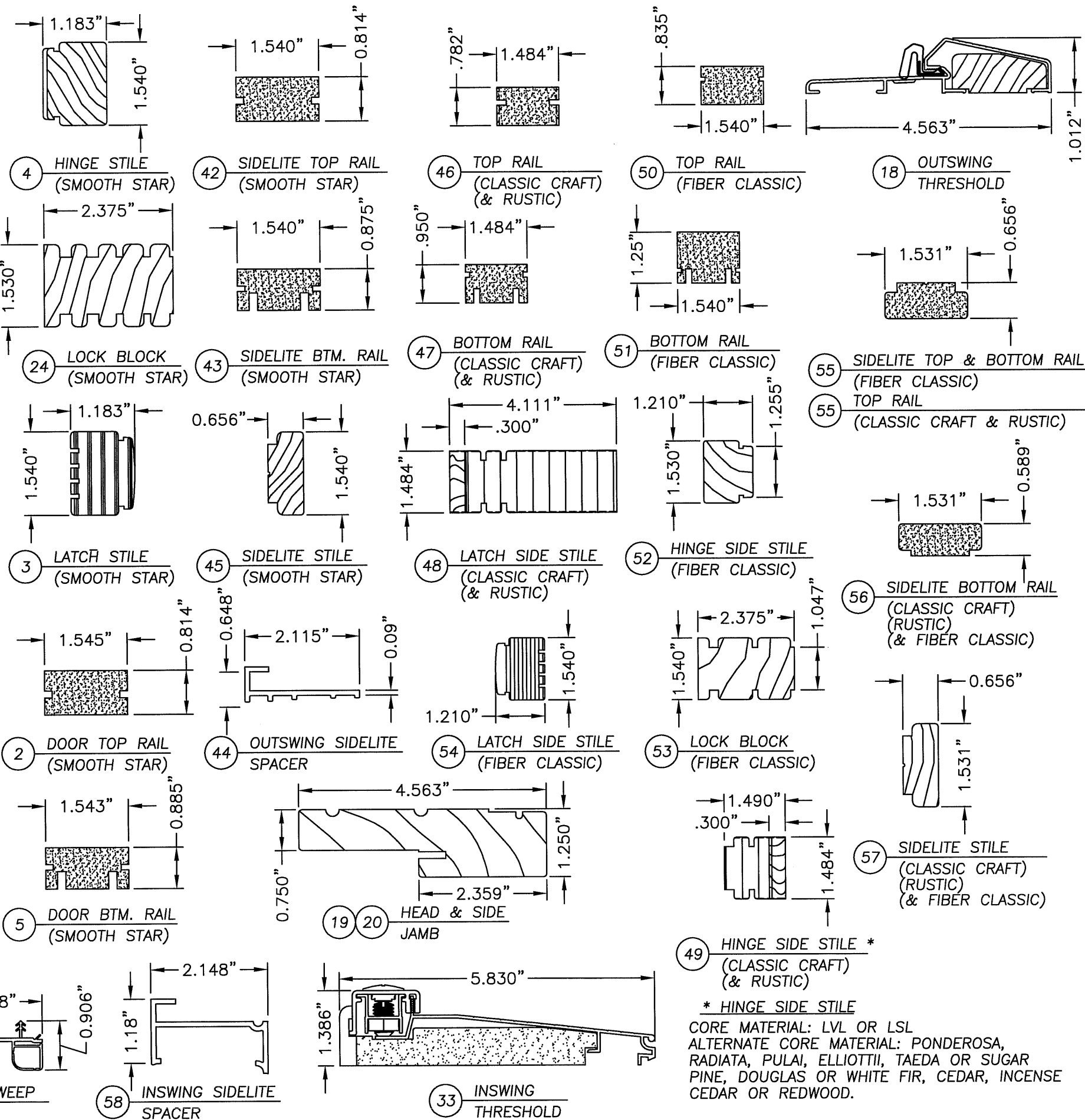
PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS	BY

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3182
SHEET 8 OF 9

R:\A - Projects\Project Folders\Proj 1101 - 1200\pf1105\DWG Drawings\TX-3182\TX-3182-9.DWG, Model

Item	DESCRIPTION	Material
1	DOOR SKIN; SMOOTH STAR SERIES (.065" MIN.)	FIBERGLASS
1A	DOOR SKIN; CLASSIC CRAFT SERIES & RUSTIC (.090" MIN.)	FIBERGLASS
1B	DOOR SKIN; FIBER CLASSIC SERIES (.065" MIN.)	FIBERGLASS
2	TOP RAIL DOOR THERMA-TRU (SMOOTH STAR)	COMP.
3	LATCH STILE DOOR THERMA-TRU (SMOOTH STAR)	LVL
4	HINGE STILE DOOR THERMA-TRU (SMOOTH STAR)	WOOD
5	BOTTOM RAIL DOOR THERMA-TRU (SMOOTH STAR)	COMP.
6	POLYURETHANE FOAM	FOAM
7	MEDIUM REACH COMPRESSION WEATHER-STRIP (THERMA-TRU)	FOAM
8	LONG REACH COMPRESSION WEATHER-STRIP (THERMA-TRU)	FOAM
9	4" x 4" HINGE .097" THK. (THERMA-TRU)	STEEL
10	#10 x 3/4" PFH WOOD SCREW (Hinge to Frame)	STEEL
11	#10 x 1-1/2" PPH SHEET METAL SCREW	STEEL
12	#10 x 2" PFH WOOD SCREW	STEEL
13	#10 x 2-1/2" PFH WOOD SCREW	STEEL
14	2X FRAMING	WOOD
15	NOT USED	-
16	MAX. 1/4" SHIM MATERIAL	WOOD
17	KWIKSET 200 SERIES PASSAGE LOCK	STEEL
18	THRESHOLD OUTSWING (THERMA-TRU)	ALUM./WOOD
19	HEADER JAMB (4.656" x 1.25" THERMA-TRU, PINE)	WOOD
20	SIDE JAMB (4.656" x 1.25" THERMA-TRU) (FJ PINE)	WOOD
21	KWIKSET 600 SERIES DEADBOLT	STEEL
22	INTERIOR LITE FRAME	ALUM.
23	EXTERIOR LITE FRAME	ALUM.
24	LOCK BLOCK (SMOOTH STAR)	WOOD
25	SILICONE CAULK	SILICONE
26	CELLULAR GLAZING TAPE	FOAM
27	LATCH STRIKE	STEEL
28	#8 x 2-1/2" PFH WOOD SCREW	STEEL
29	#8 x 3" PFH SCREW	STEEL
30	1" THK. INSUL. LAMINATED GLASS (INTERLAYER BY SOLUTIA) 1/8" TEMP.- AIR - 5/32" ANN. / .090" INTERLAYER / 1/8" ANN.	GLASS
31	NOT USED	-
32	DOOR BOTTOM SWEEP (INSWING)	PVC
33	INSWING THRESHOLD	ALUM./COMP.
34	NOT USED	-
35	1/4" x 2-1/4" ITW TAPCON	STEEL
36	1/4" x 1-3/4" ITW TAPCON	STEEL
37	NOT USED	-
38	NOT USED	-
39	LITE FRAME TRIM	PVC
40	#9 x 3" PFH WOOD SCREW	STEEL
41	#9 x 2-1/2" PFH SCREW	STEEL
42	SIDELITE TOP RAIL (SMOOTH STAR)	COMP.
43	SIDELITE BOTTOM RAIL (SMOOTH STAR)	COMP.
44	OUTSWING SIDELITE SPACER	PVC
45	SIDELITE STILE (SMOOTH STAR)	WOOD
46	TOP RAIL (CLASSIC CRAFT & RUSTIC)	COMP.
47	BOTTOM RAIL (CLASSIC CRAFT & RUSTIC)	COMP.
48	LATCH SIDE STILE (CLASSIC CRAFT & RUSTIC)	LSL / OAK
49	HINGE SIDE STILE (CLASSIC CRAFT & RUSTIC)	LSL / OAK
50	TOP RAIL (FIBER CLASSIC)	COMP.
51	BOTTOM RAIL (FIBER CLASSIC)	COMP.
52	HINGE SIDE STILE (FIBER CLASSIC)	WOOD
53	LOCK BLOCK (FIBER CLASSIC)	WOOD
54	LATCH SIDE STILE (FIBER CLASSIC)	LVL / OAK
55	SIDELITE TOP & BOTTOM RAIL (CLASSIC CRAFT, RUSTIC & FIBER CLASSIC)	COMP.
56	SIDELITE BOTTOM RAIL (CLASSIC CRAFT, RUSTIC & FIBER CLASSIC)	COMP.
57	SIDELITE STILE (CLASSIC CRAFT, RUSTIC & FIBER CLASSIC)	WOOD
58	SIDELITE SPACER INSWING	PVC



* HINGE SIDE STILE
CORE MATERIAL: LVL OR LSL
ALTERNATE CORE MATERIAL: PONDEROSA, RADIATA, PULAI, ELLIOTTII, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.

Documents Prepared By:

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

Wendell W. Haney, P.E. No. 54158

PRODUCT:

THERMA-TRU
GLAZED FIBERGLASS DOOR W/
SIDELITES IN/OUTSWING "IMPACT"

PART OR ASSEMBLY:

BILL OF MATERIALS &
COMPONENTS

REVISIONS

DATE: 12/15/06

SCALE: N.T.S.

DWG. BY: AEM

CHK. BY: WWH

DRAWING NO.:

TX-3182

SHEET 9 OF 9

THERMA TRU®

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

"SMOOTH STAR", "FIBER CLASSIC", "CLASSIC CRAFT" & "CLASSIC CRAFT RUSTIC" GLAZED FIBERGLASS DOUBLE DOOR INSWING / OUTSWING "IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

THE THERMA-TRU FIBERGLASS DOOR DESCRIBED HEREIN COMPLIES WITH THE INTERNATIONAL RESIDENTIAL CODE (IRC), SECTIONS R301 & R613 AND THE INTERNATIONAL BUILDING CODE (IBC), SECTIONS 1714.5 1405.12, 1609, 2403 AND 2404 (INCLUDING TEXAS REVISIONS) SUBJECT TO THE FOLLOWING CONDITIONS:

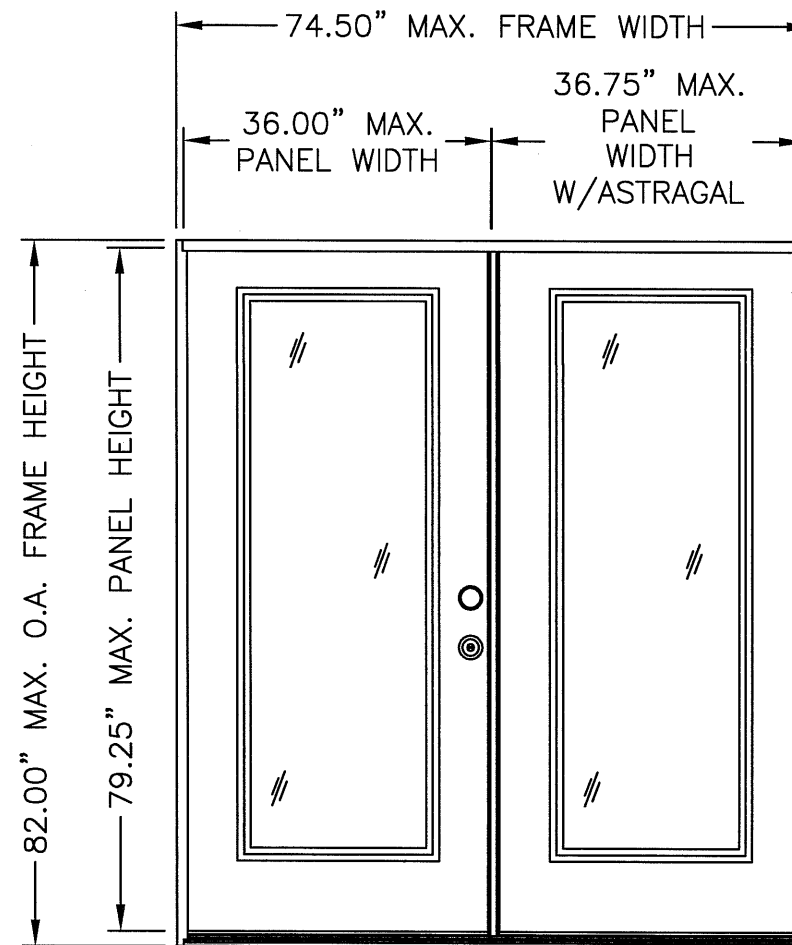
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. When used in wind borne debris regions (SEAWARD and INLAND I ZONES), the Product complies with Sections R301.2.1.2 and 1609.1.4 as an impact resistant product and does not require the use of an approved impact resistant covering. This product does not meet the requirements for enhanced protection of essential facilities as defined in ASTM E1996.
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 101/I.S.2/A440-05, ASTM E1886-02 and ASTM E1996-02 as performed by Testing Evaluation Laboratories Inc. and report number TEL 06-0718-1, dated July 17, 2006 and signed by Wendell W. Haney, P.E.
2. Anchor analysis for loading conditions prepared, signed and sealed by Wendell W. Haney, P.E. Glass load resistance report ASTM E1300-00, prepared by Wendell W. Haney, P.E..
3. Certificate of Participation issued by the National Accreditation and Management Institute, Inc., certifying that Therma Tru Corporation is manufacturing products within a Quality Assurance program.

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
2	DOOR PANEL CROSS SECTIONS "SMOOTH STAR"
3	DOOR PANEL CROSS SECTIONS "CLASSIC CRAFT" & "RUSTIC"
4	DOOR PANEL CROSS SECTIONS "FIBER CLASSIC"
5	HORIZONTAL CROSS SECTIONS
6	VERTICAL CROSS SECTIONS
7	FRAME ANCHORING
8	BILL OF MATERIALS & COMPONENTS



X

X

"SMOOTH STAR", "FIBER CLASSIC"
"CLASSIC CRAFT" & "CLASSIC CRAFT RUSTIC"

SWING	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
INSWING	74.50" X 82.00"	21.00" X 63.25"	+47.0	-53.0
OUTSWING	74.50" X 80.62"	21.00" X 63.25"	+50.0	-50.0

Documents Prepared By:

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Wendell W. Haney, P.E. No. 54158

PRODUCT: THERMA-TRU
GLAZED DOUBLE FIBERGLASS
DOOR IN/OUTSWING "IMPACT"

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

REVISIONS

DATE: 12/15/06

SCALE: N.T.S.

DWG. BY: AEM

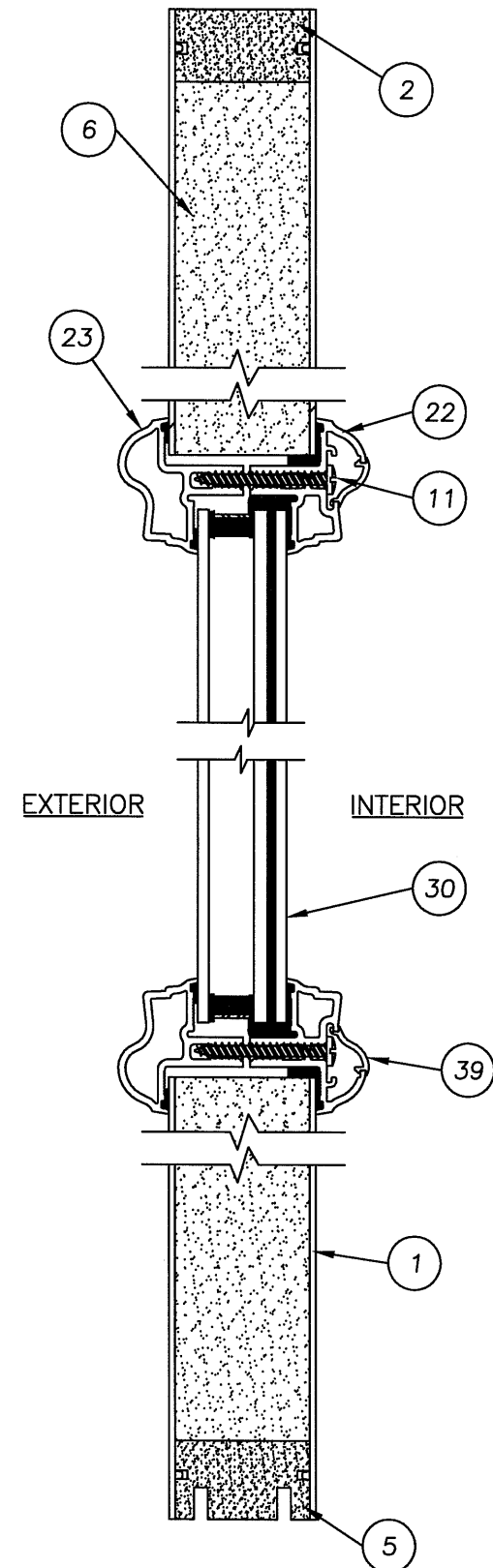
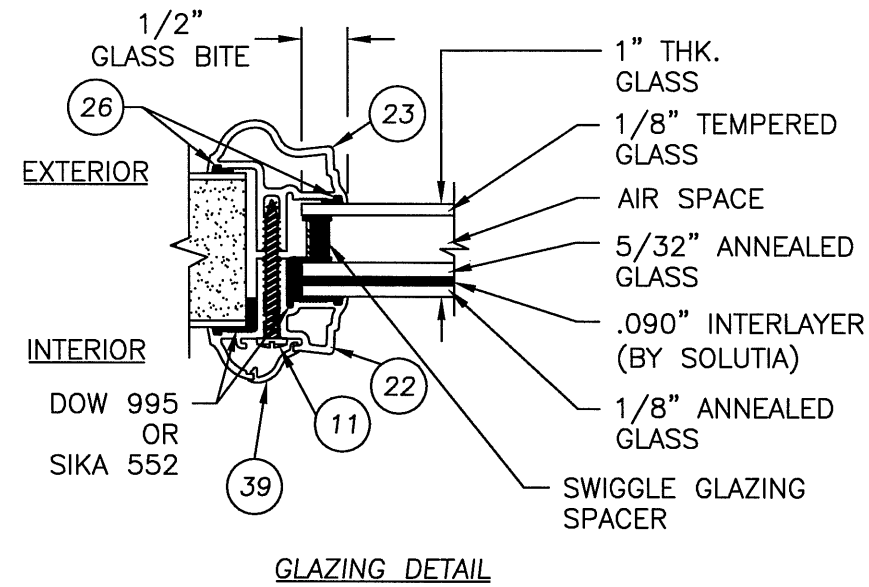
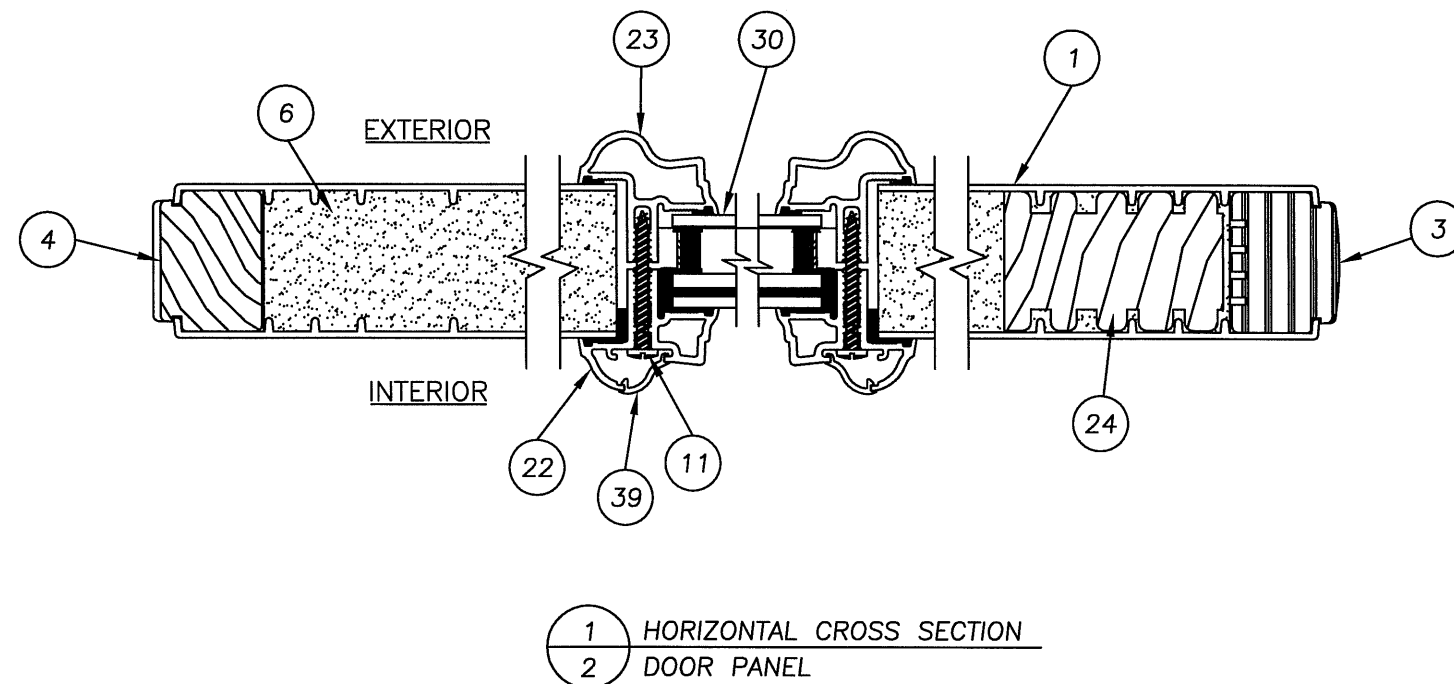
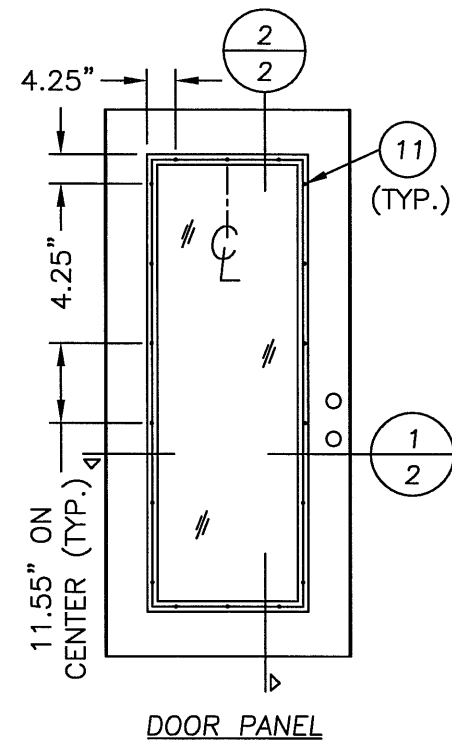
CHK. BY: WWH

DRAWING NO.:

TX-3183

SHEET 1 OF 8

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CHK. BY: WWH
DRAWING NO.: TX-3183
SHEET 2 OF 8

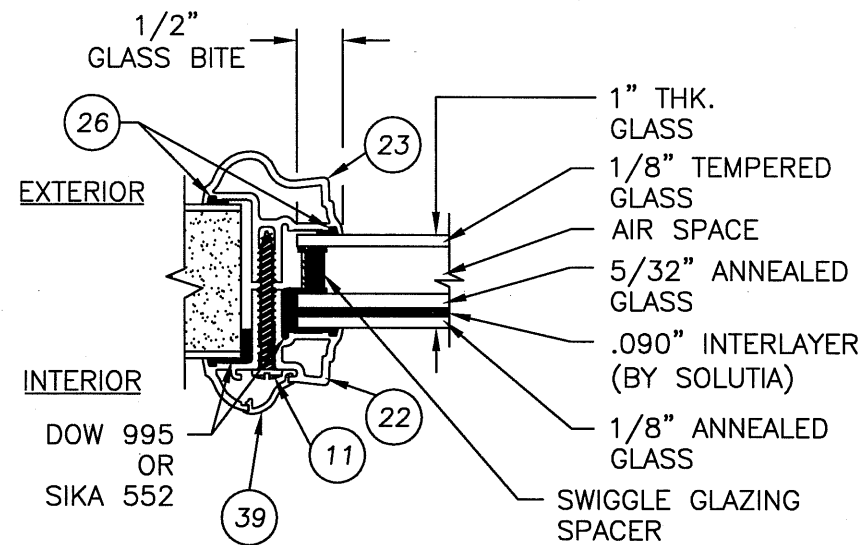
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GLAZED DOUBLE FIBERGLASS
DOOR IN/OUTSWING "IMPACT"
PART OR ASSEMBLY: "SMOOTH STAR" DOOR PANEL
CROSS SECTIONS

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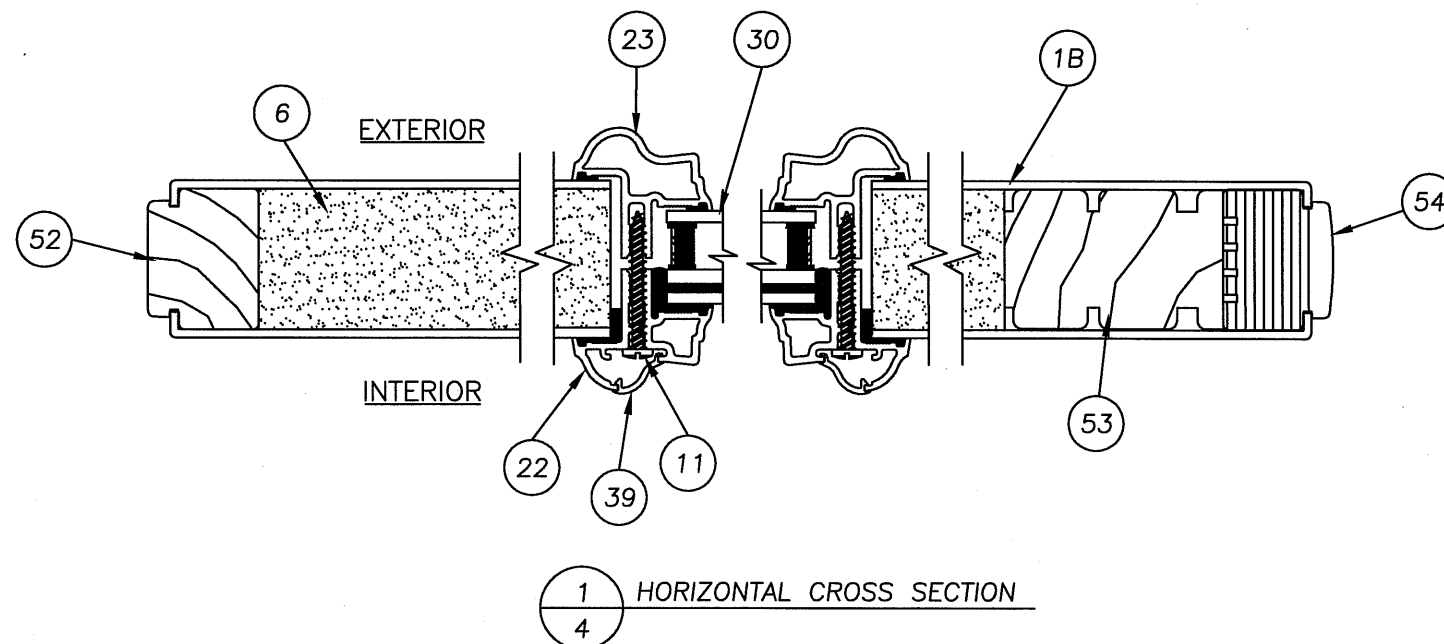
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P.O. Box 230 Valrico FL, 33595
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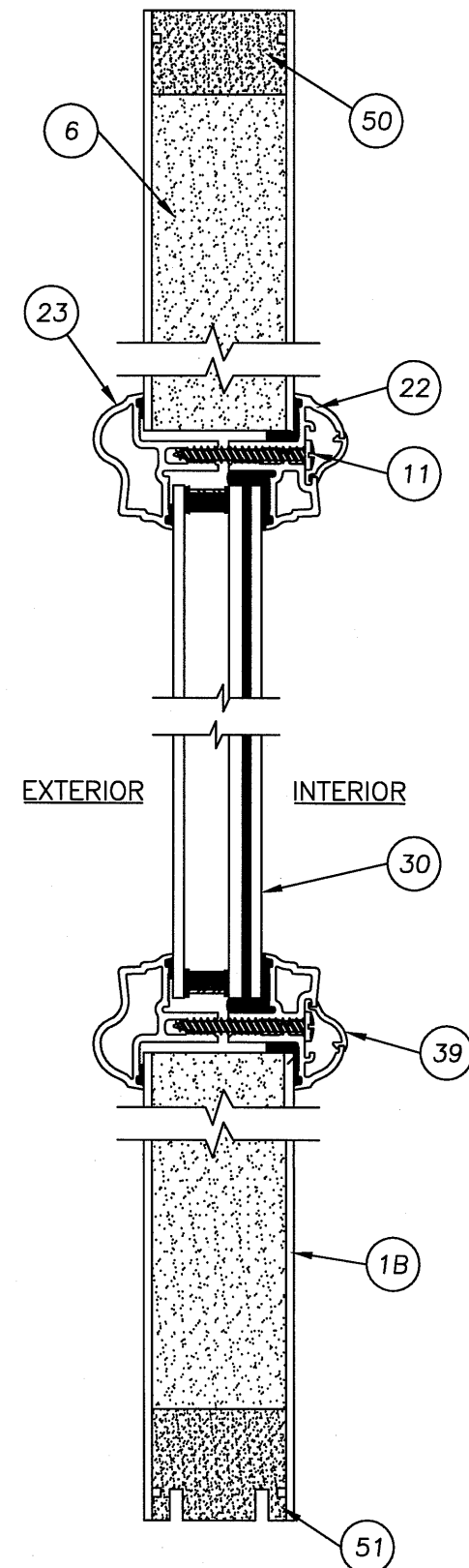
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GLAZING DETAIL



HORIZONTAL CROSS SECTION



VERTICAL CROSS SECTION

SHEET 4 OF 8

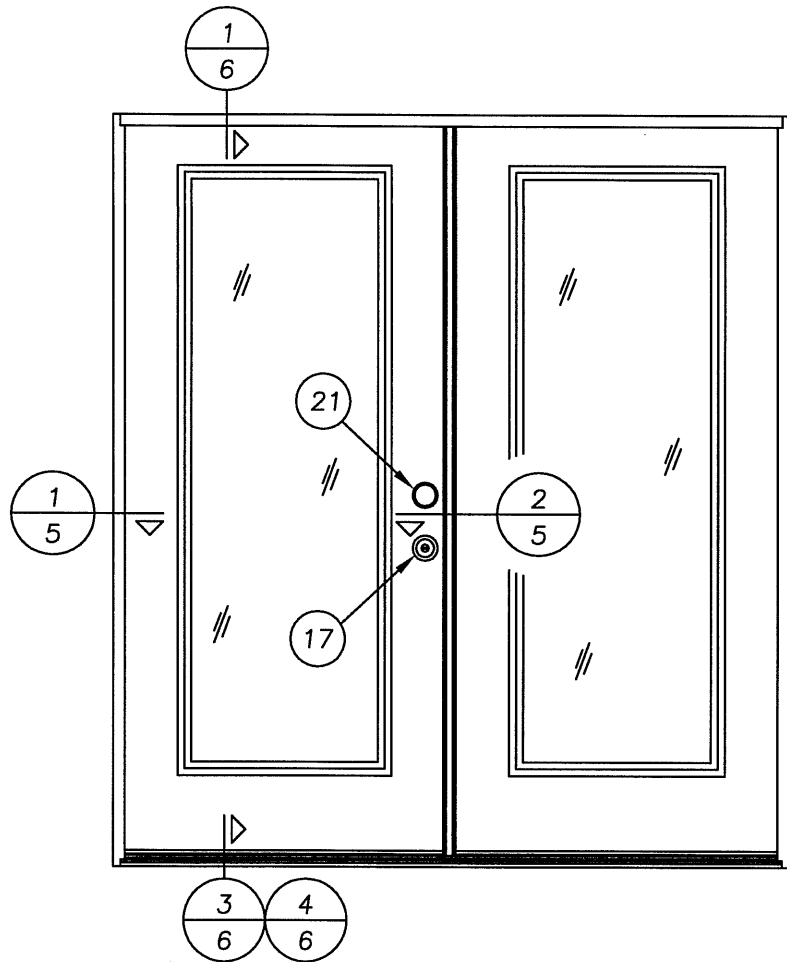
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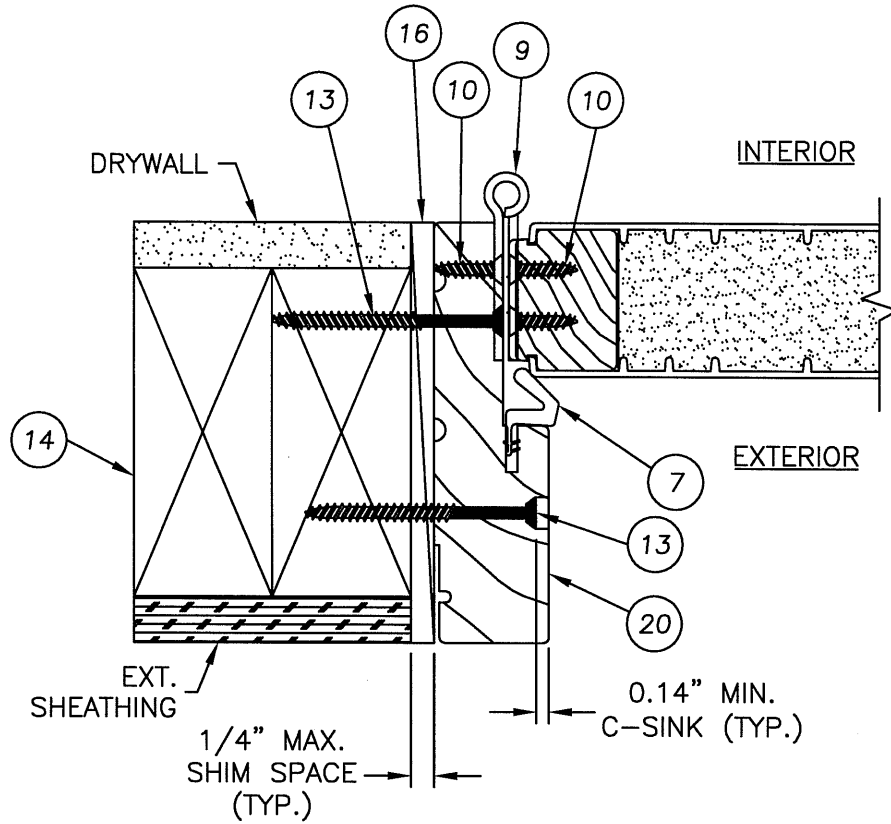
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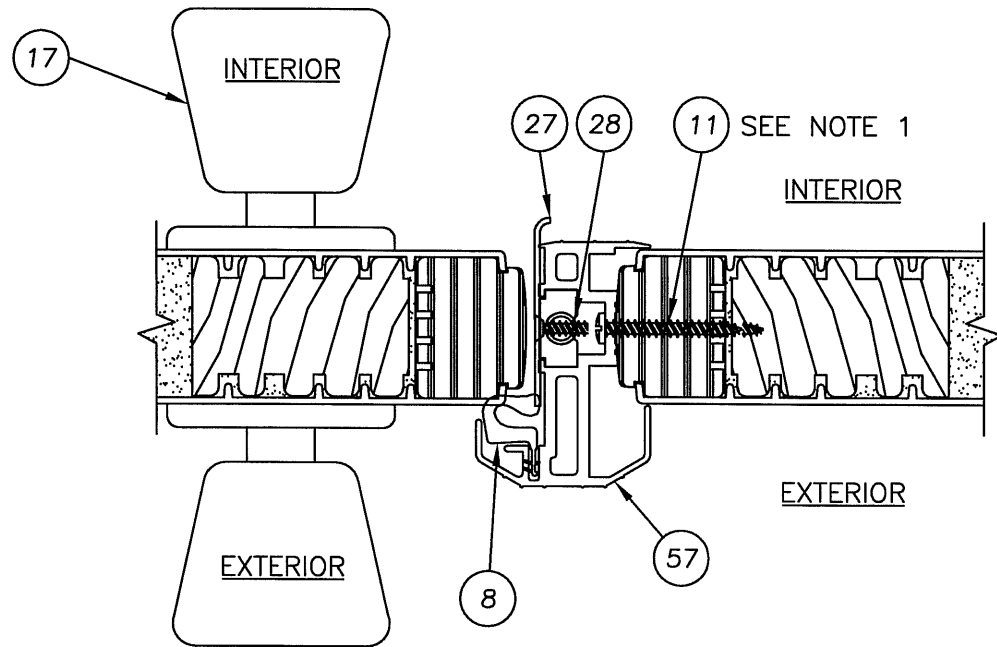


NOTE

1. (11) OF ITEM #11 ASTRAGAL RETAINING SCREW LOCATED @ 3/4", 2", 3-1/4", 4-1/2", 18-7/8", 41-7/8", 60-7/8", 74-3/4", 76", 77-1/4" & 78-1/2" FROM TOP OF ASTRAGAL.



1 HORIZONTAL CROSS SECTION
@ SIDELITE JAMB
("SMOOTH STAR SERIES" SHOWN)



2 HORIZONTAL CROSS SECTION
LATCH JAMB @ SIDELITE JAMB
("SMOOTH STAR SERIES" SHOWN)

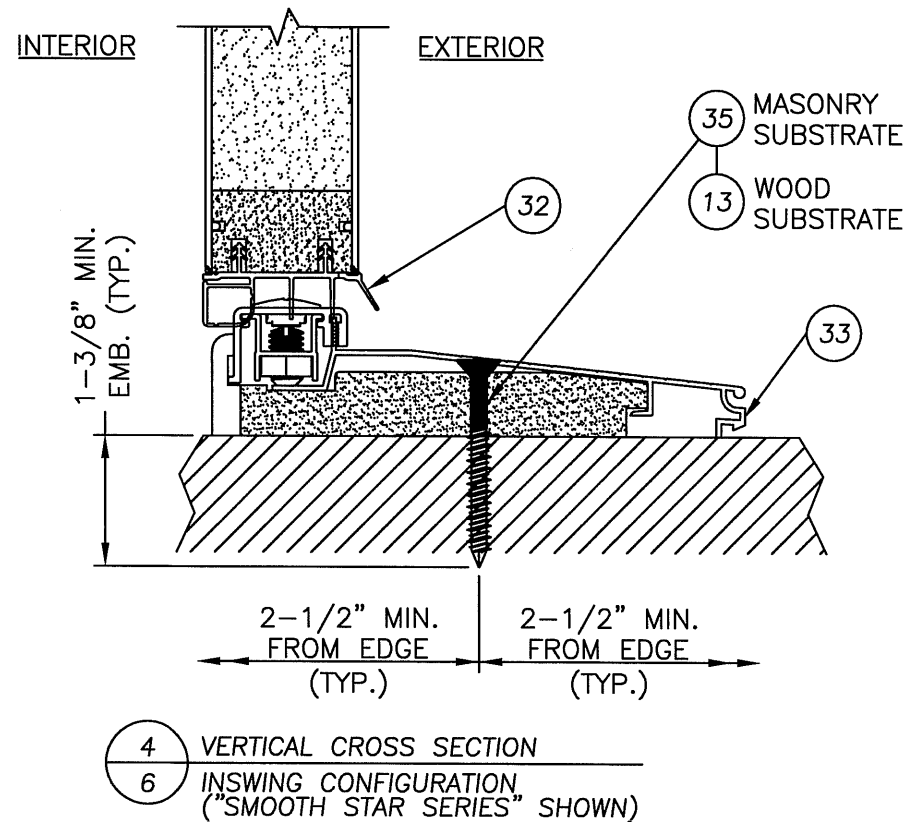
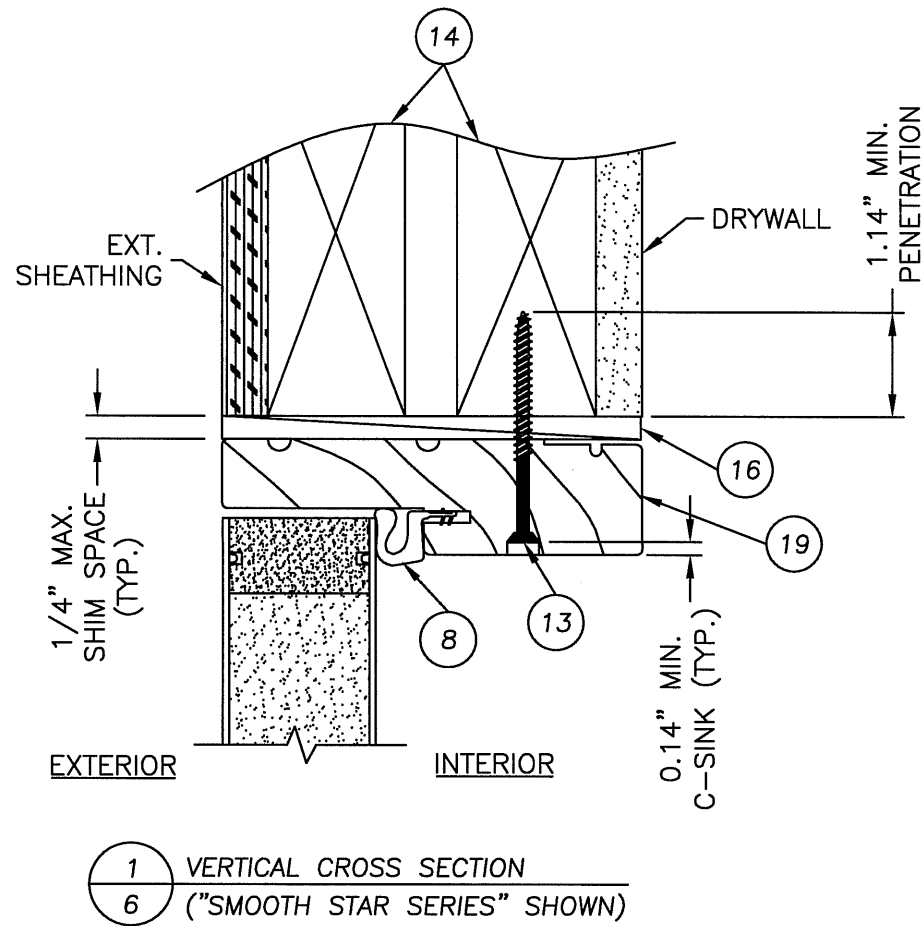
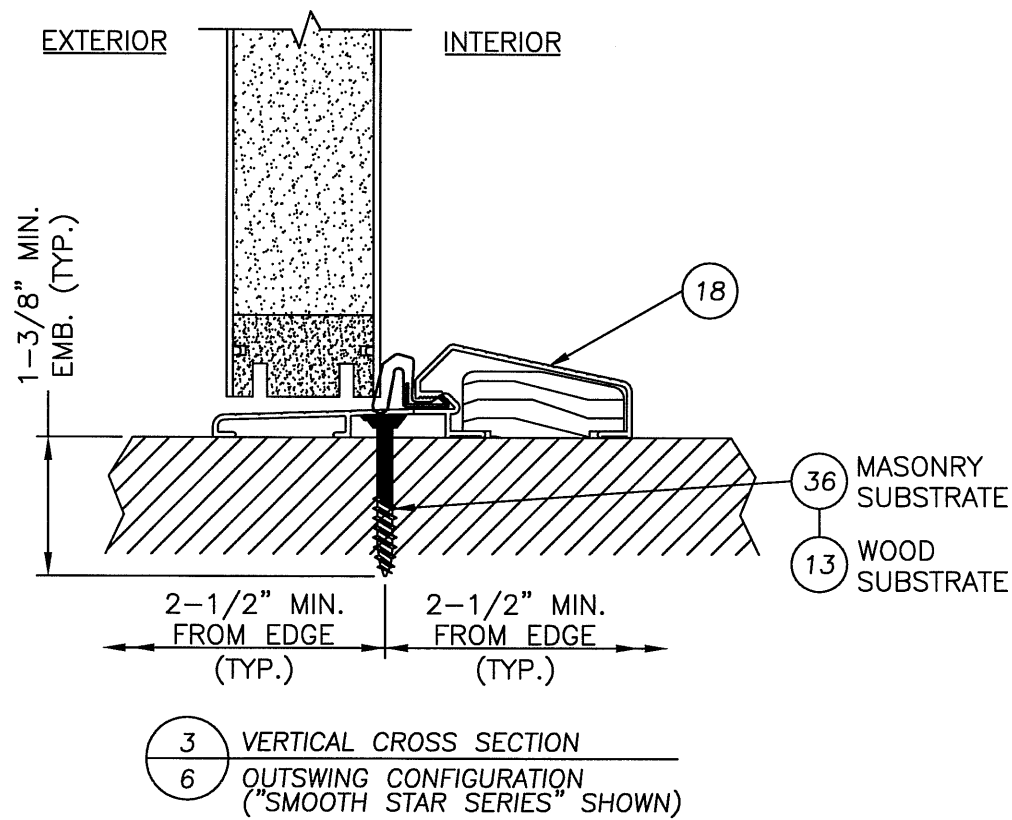
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PRODUCT: THERMA-TRU
GLAZED DOUBLE FIBERGLASS,
DOOR IN/OUTSWING "IMPACT"
PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 12/15/06
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SHEET 5 OF 8

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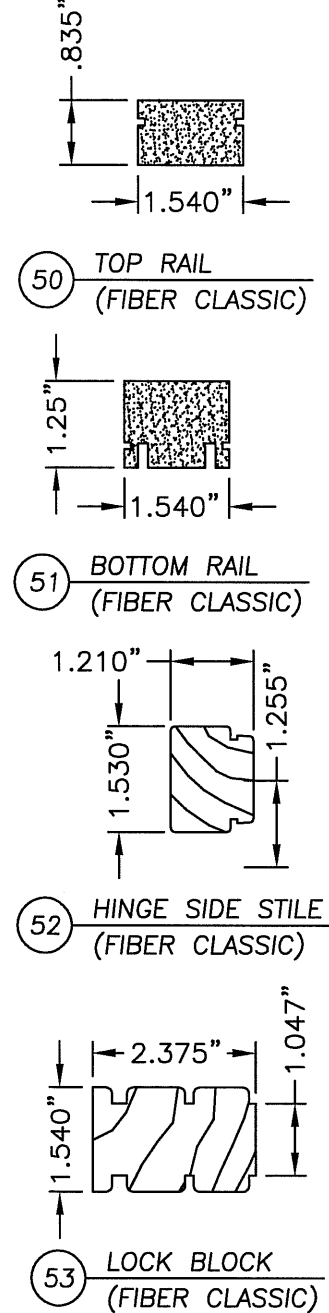
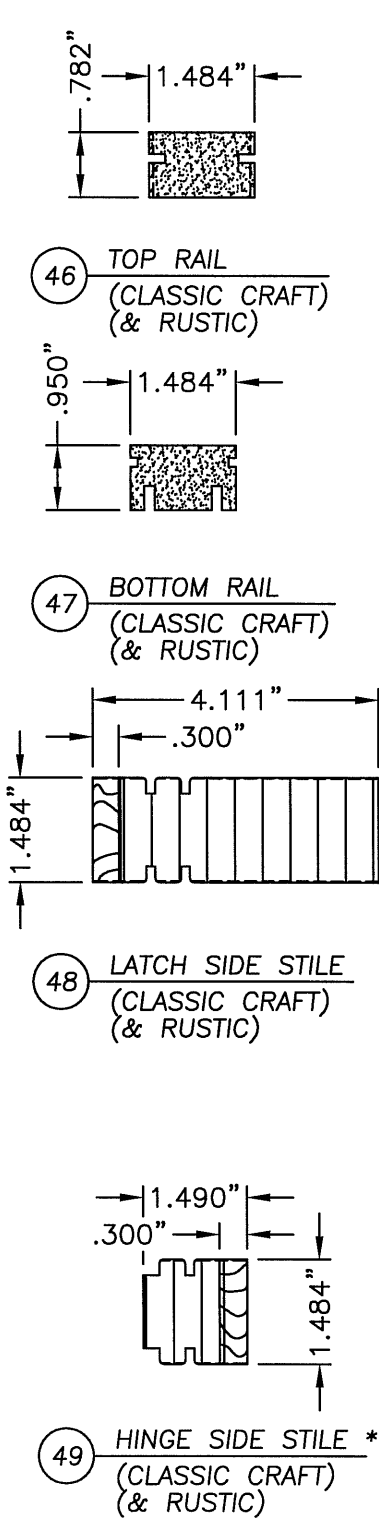
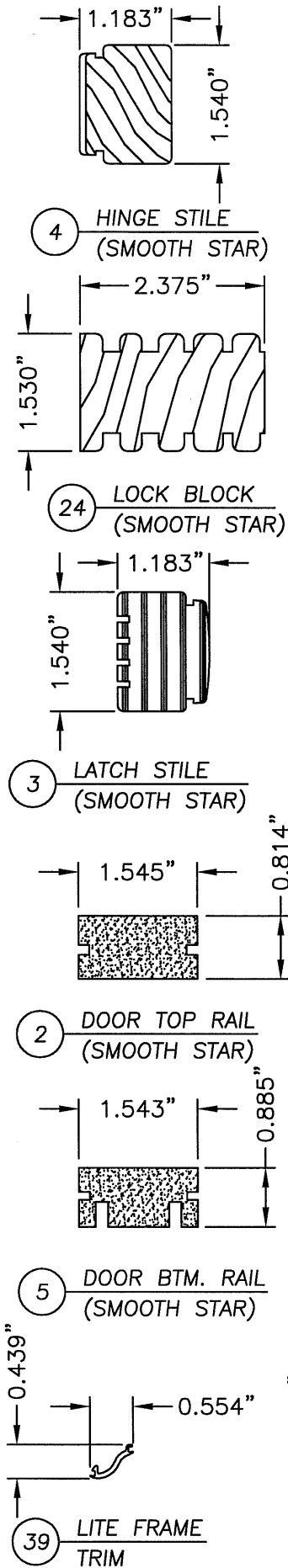
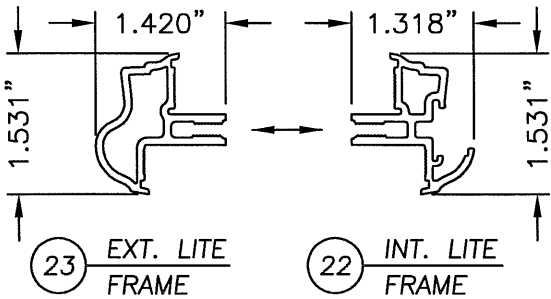
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SHEET 6 OF 8

PRODUCT: THERMA-TRU
GLAZED DOUBLE FIBERGLASS
DOOR IN/OUTSWING "IMPACT"
PART OR ASSEMBLY: VERTICAL
CROSS SECTIONS

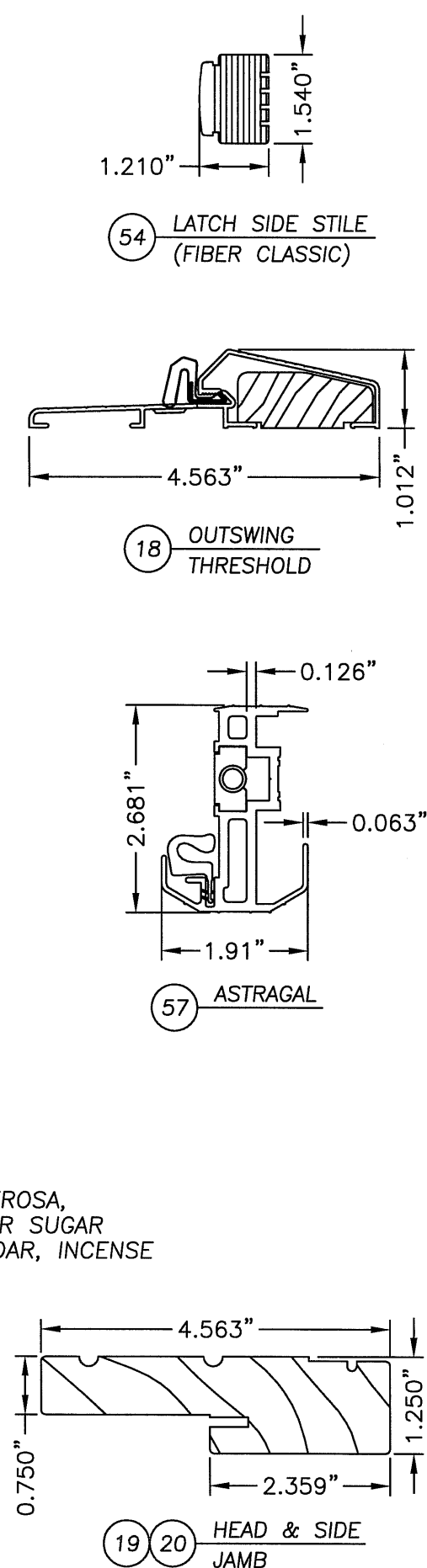
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Item	DESCRIPTION	Material
1	DOOR SKIN; SMOOTH STAR SERIES (.065" MIN.)	FIBERGLASS
1A	DOOR SKIN; CLASSIC CRAFT & RUSTIC SERIES (.090" MIN.)	FIBERGLASS
1B	DOOR SKIN; FIBER CLASSIC SERIES (.065" MIN.)	FIBERGLASS
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4	HINGE STILE DOOR THERMA-TRU (SMOOTH STAR)	WOOD
5	BOTTOM RAIL DOOR THERMA-TRU (SMOOTH STAR)	COMP.
6	POLYURETHANE FOAM	FOAM
7	MEDIUM REACH COMPRESSION WEATHER-STRIP (THERMA-TRU)	FOAM
8	LONG REACH COMPRESSION WEATHER-STRIP (THERMA-TRU)	FOAM
9	4" x 4" HINGE .097" THK. (THERMA-TRU)	STEEL
10	#10 x 3/4" PFH WOOD SCREW (Hinge to Frame)	STEEL
11	#10 x 1-1/2" PPH SHEET METAL SCREW	STEEL
12	#10 x 2" PFH WOOD SCREW	STEEL
13	#10 x 2-1/2" PFH WOOD SCREW	STEEL
14	2X FRAMING	WOOD
15	NOT USED	-
16	MAX. 1/4" SHIM MATERIAL	WOOD
17	KWIKSET 200 SERIES PASSAGE LOCK	STEEL
18	THRESHOLD OUTSWING (THERMA-TRU)	ALUM./WOOD
19	HEADER JAMB (4.656" x 1.25" THERMA-TRU, PINE)	WOOD
20	SIDE JAMB (4.656" x 1.25" THERMA-TRU) (FJ PINE)	WOOD
21	KWIKSET 600 SERIES DEADBOLT	STEEL
22	INTERIOR LITE FRAME	ALUM.
23	EXTERIOR LITE FRAME	ALUM.
24	LOCK BLOCK (SMOOTH STAR)	WOOD
25	SILICONE CAULK	SILICONE
26	CELLULAR GLAZING TAPE	FOAM
27	LATCH STRIKE	STEEL
28	#8 x 2-1/2" PFH WOOD SCREW	STEEL
29	#8 x 3" PFH SCREW	STEEL
30	1" THK. INSUL. LAMINATED GLASS (INTERLAYER BY SOLUTIA) 1/8" TEMP.- AIR - 5/32" ANN. / .090" INTERLAYER / 1/8" ANN.	GLASS
31	NOT USED	-
32	DOOR BOTTOM SWEEP (INSWING)	PVC
33	INSWING THRESHOLD	ALUM./COMP.
34	NOT USED	-
35	1/4" x 2-1/4" ITW TAPCON	STEEL
36	1/4" x 1-3/4" ITW TAPCON	STEEL
37	NOT USED	-
38	NOT USED	-
39	LITE FRAME TRIM	PVC
40	#9 x 3" PFH WOOD SCREW	STEEL
41	NOT USED	-
42	NOT USED	-
43	NOT USED	-
44	NOT USED	-
45	NOT USED	-
46	TOP RAIL (CLASSIC CRAFT & RUSTIC)	COMP.
47	BOTTOM RAIL (CLASSIC CRAFT & RUSTIC)	COMP.
48	LATCH SIDE STILE (CLASSIC CRAFT & RUSTIC)	LSL / OAK
49	HINGE SIDE STILE (CLASSIC CRAFT & RUSTIC)	LSL / OAK
50	TOP RAIL (FIBER CLASSIC)	COMP.
51	BOTTOM RAIL (FIBER CLASSIC)	COMP.
52	HINGE SIDE STILE (FIBER CLASSIC)	WOOD
53	LOCK BLOCK (FIBER CLASSIC)	WOOD
54	LATCH SIDE STILE (FIBER CLASSIC)	LVL / OAK
55	NOT USED	-
56	NOT USED	-
57	ASTRAGAL (6063-T5)	ALUM.
58	ASTRAGAL STRIKE PLATE	STEEL



* HINGE SIDE STILE
*CORE MATERIAL: LVL OR LSL
ALTERNATE CORE MATERIAL: PONDEROSA, RADIATA, PULAI, ELLIOTTII, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.



Documents Prepared By:		BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.659.9197 Florida Board of Professional Engineers Certificate Of Authorization No. 9813	
PRODUCT:		THERMA-TRU GLAZED DOUBLE FIBERGLASS DOOR IN/OUTSWING "IMPACT"	
PART OR ASSEMBLY:		BILL OF MATERIALS & COMPONENTS	
NO.		DATE	
BY		REVISIONS	
DATE: 12/15/06			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: WWH			
DRAWING NO.: TX-3183			
SHEET 8 OF 8			

THERMA TRU®

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

"SMOOTH STAR", "FIBER CLASSIC", "CLASSIC CRAFT" & "CLASSIC CRAFT RUSTIC" GLAZED FIBERGLASS DOUBLE DOOR W/SIDELITES INSWING / OUTSWING "IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

THE THERMA-TRU FIBERGLASS DOOR DESCRIBED HEREIN COMPLIES WITH THE INTERNATIONAL RESIDENTIAL CODE (IRC), SECTIONS R301 & R613 AND THE INTERNATIONAL BUILDING CODE (IBC), SECTIONS 1714.5 1405.12, 1609, 2403 AND 2404 (INCLUDING TEXAS REVISIONS) SUBJECT TO THE FOLLOWING CONDITIONS:

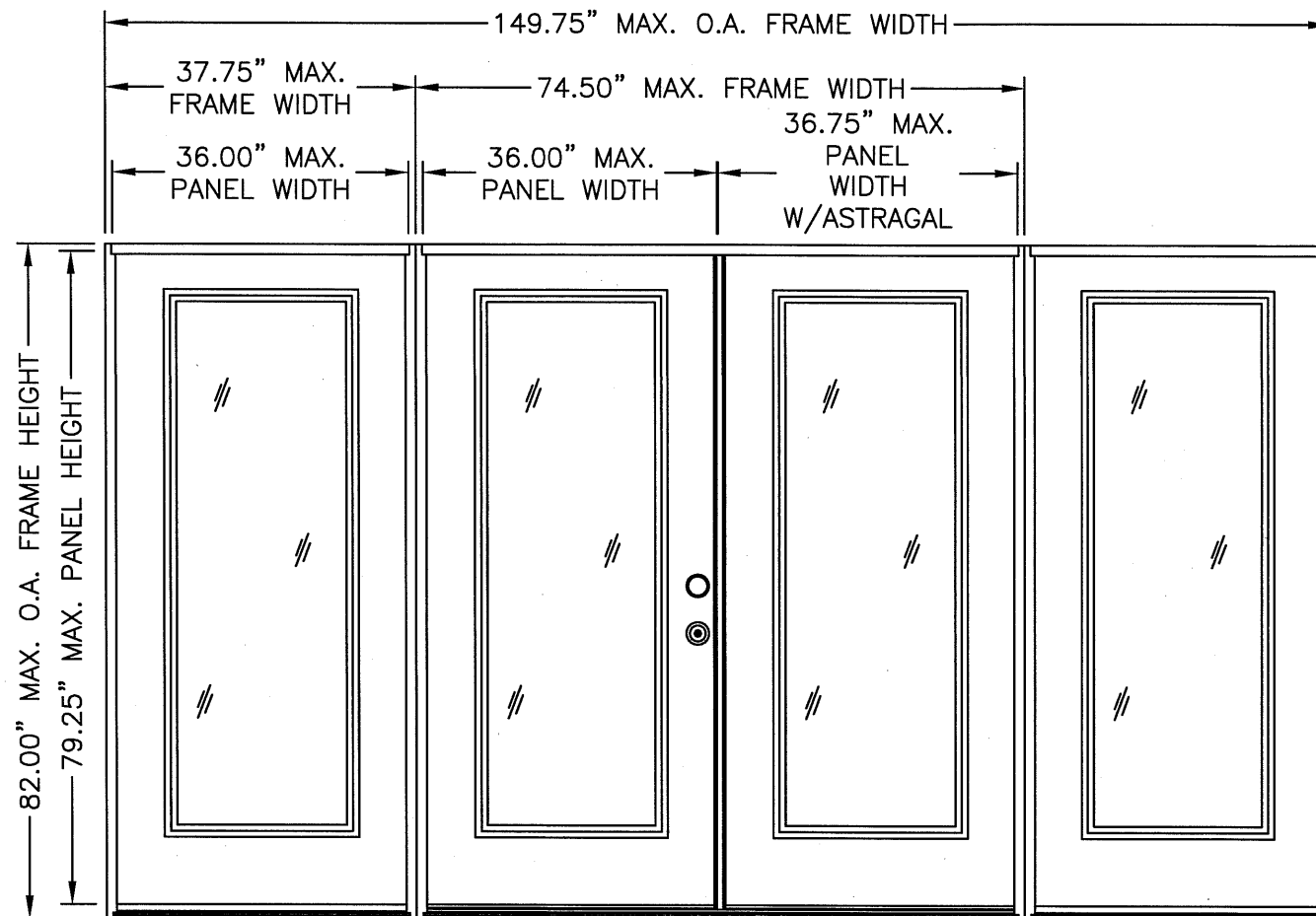
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. When used in wind borne debris regions (SEAWARD and INLAND I ZONES), the Product complies with Sections R301.2.1.2 and 1609.1.4 as an impact resistant product and does not require the use of an approved impact resistant covering. This product does not meet the requirements for enhanced protection of essential facilities as defined in ASTM E1996.
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 101/I.S.2/A440-05, ASTM E1886-02 and ASTM E1996-02 as performed by Testing Evaluation Laboratories Inc. and report number TEL 06-0718-1, dated July 17, 2006 and signed by Wendell W. Haney, P.E.
2. Anchor analysis for loading conditions prepared, signed and sealed by Wendell W. Haney, P.E. Glass load resistance report ASTM E1300-00, prepared by Wendell W. Haney, P.E..
3. Certificate of Participation issued by the National Accreditation and Management Institute, Inc., certifying that Therma Tru Corporation is manufacturing products within a Quality Assurance program.

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
2	DOOR & SIDELITE PANEL CROSS SECTIONS "SMOOTH STAR"
3	DOOR & SIDELITE PANEL CROSS SECTIONS "CLASSIC CRAFT" & "RUSTIC"
4	DOOR & SIDELITE PANEL CROSS SECTIONS "FIBER CLASSIC"
5	HORIZONTAL CROSS SECTIONS
6	VERTICAL CROSS SECTIONS
7	VERTICAL CROSS SECTIONS
8	FRAME ANCHORING
9	BILL OF MATERIALS & COMPONENTS



O X X O

"SMOOTH STAR", "FIBER CLASSIC"
"CLASSIC CRAFT" & "CLASSIC CRAFT RUSTIC"

SWING	OVERALL FRAME DIMENSION	OVERALL D.L.O. DOOR / SIDELITE DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
INSWING	149.75" X 82.00"	21.00" X 63.25"	+47.0	-53.0
OUTSWING	149.75" X 80.62"	21.00" X 63.25"	+50.0	-50.0

Documents Prepared By:

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Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

Wendell W. Haney, P.E. No. 54158

PRODUCT: THERMA-TRU
GLAZED FIBERGLASS DBL DOOR W/
SIDELITES IN/OUTSWING "IMPACT"
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS

NO.	DATE	BY

DATE: 12/15/06

SCALE: N.T.S.

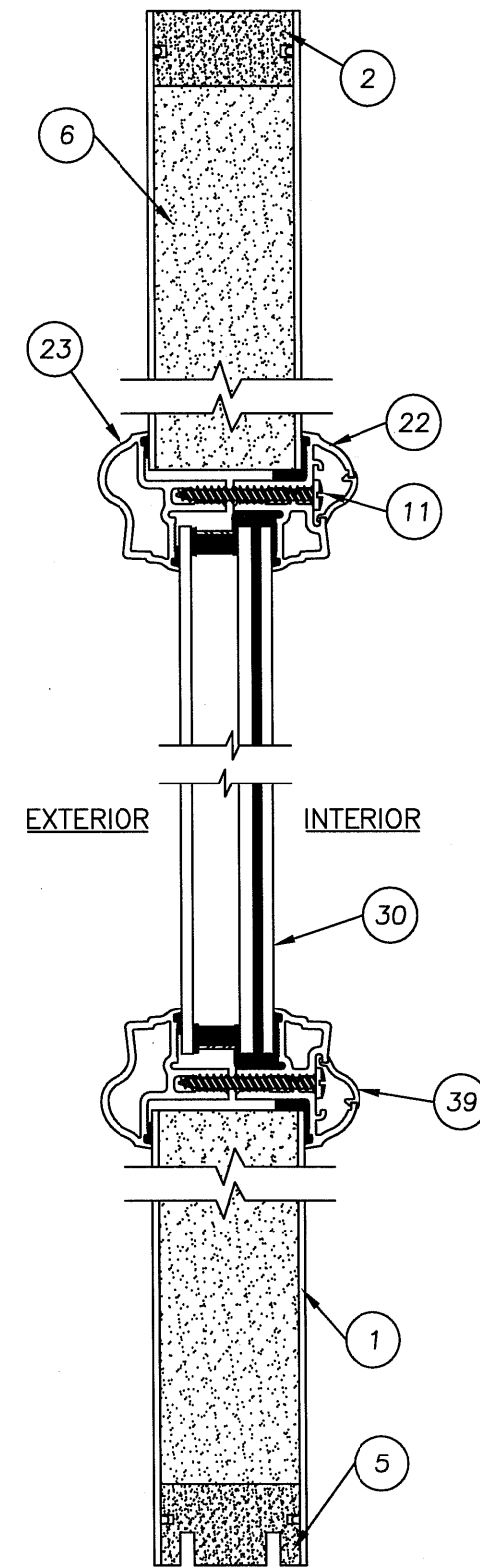
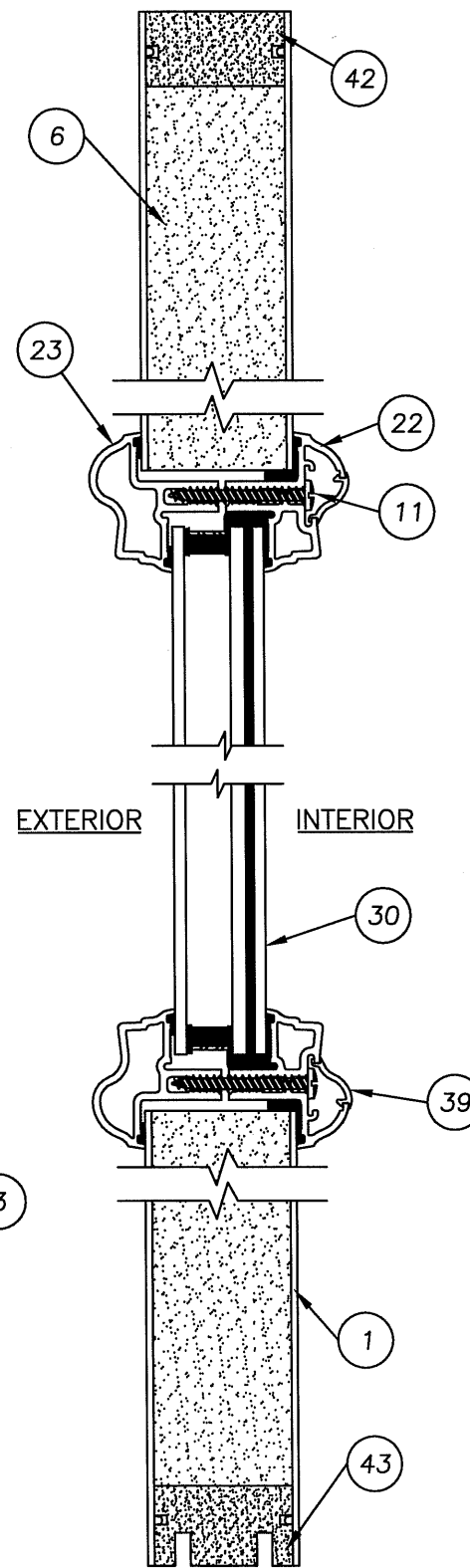
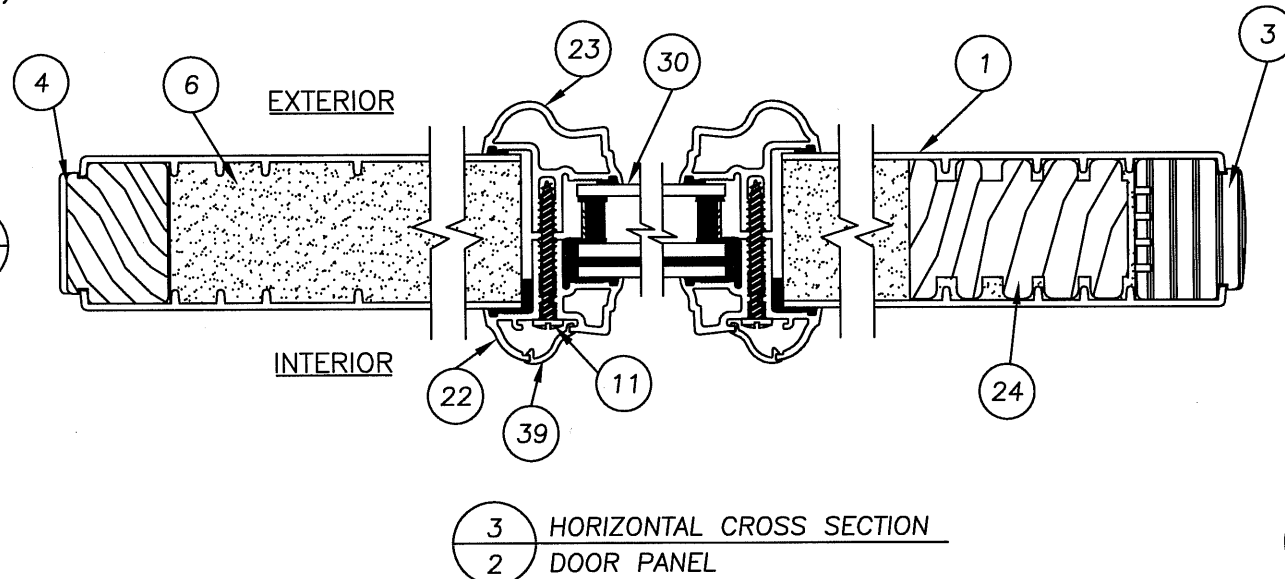
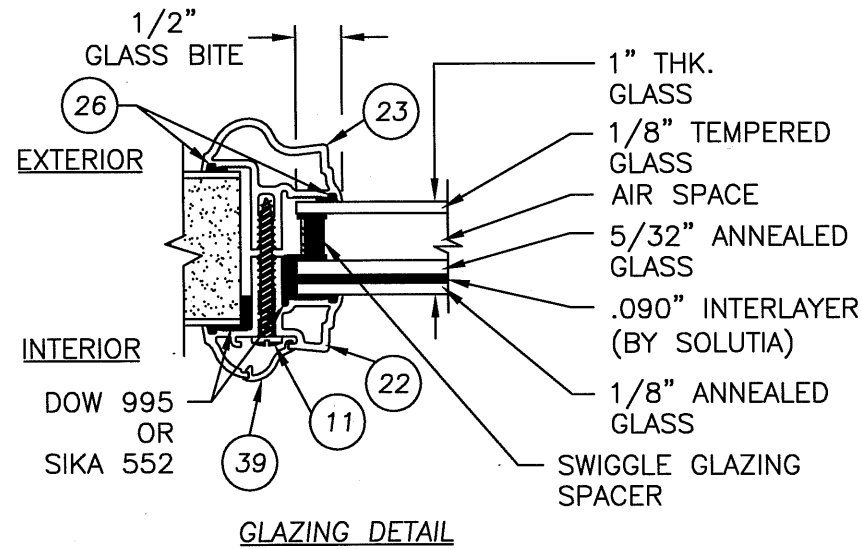
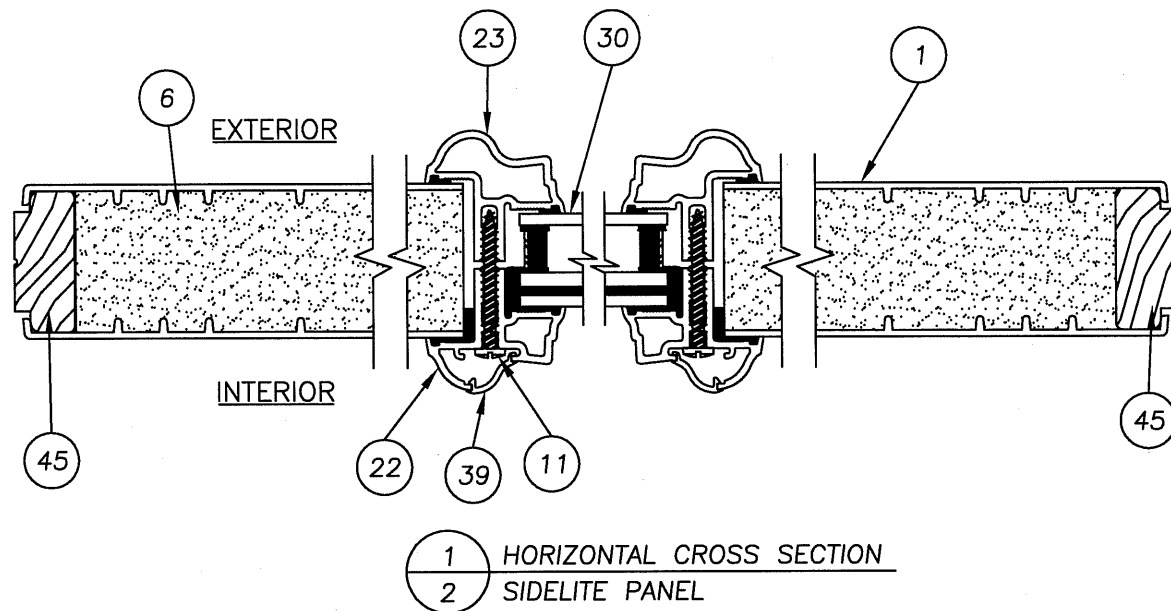
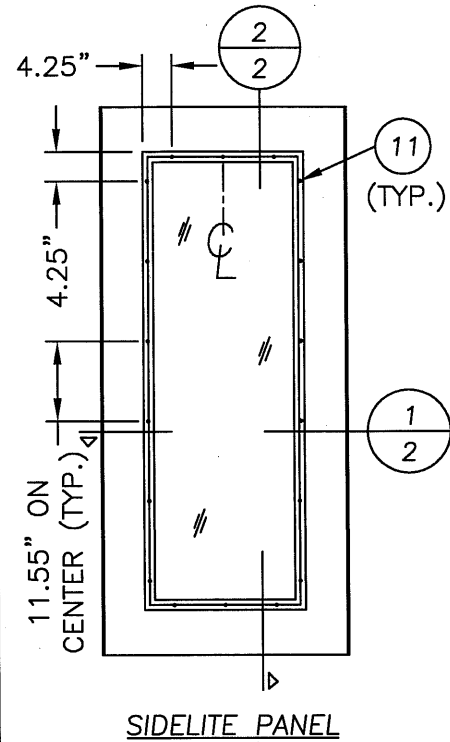
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CHK. BY: WWH

DRAWING NO.: TX-3184

SHEET 1 OF 9

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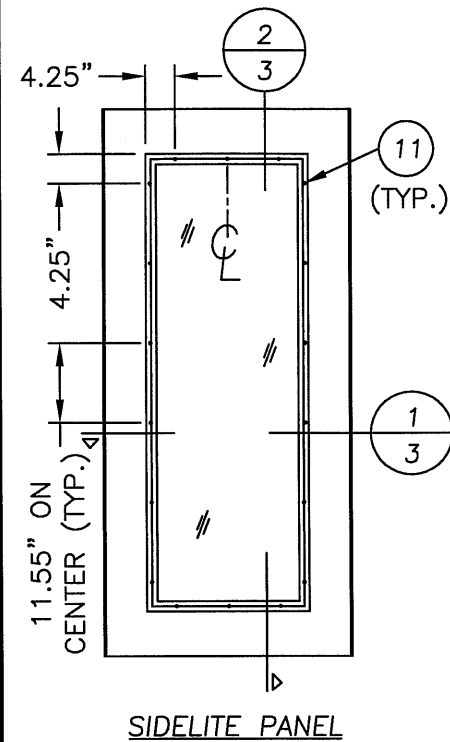
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GLAZED FIBERGLASS DBL DOOR W/
SIDELITES IN/OUTSWING "IMPACT"
PART OR ASSEMBLY:
"SMOOTH STAR" DOOR PANEL
CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3184

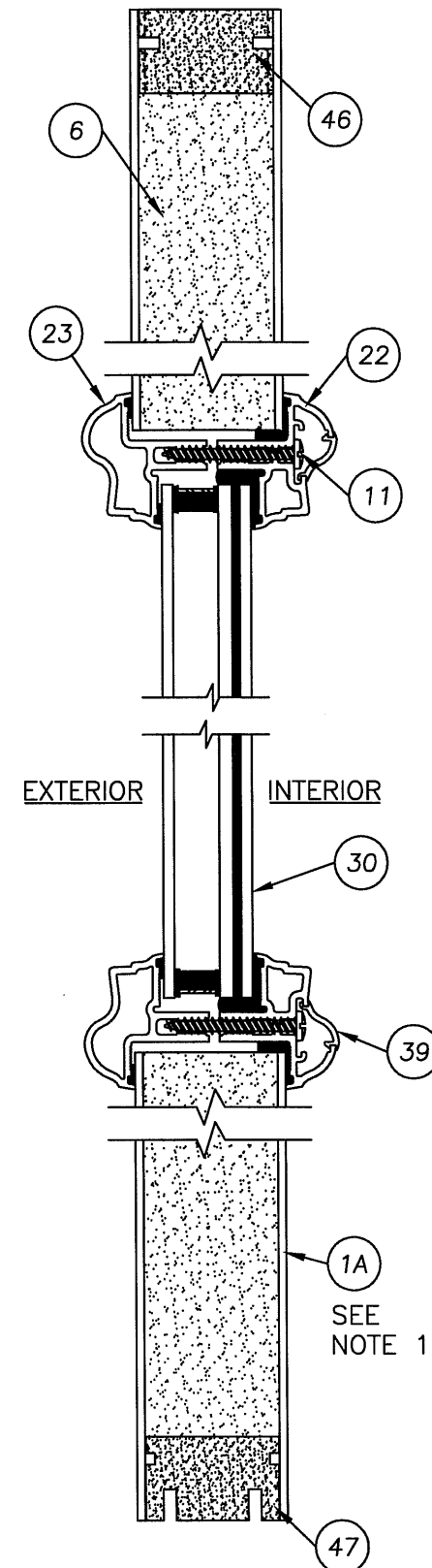
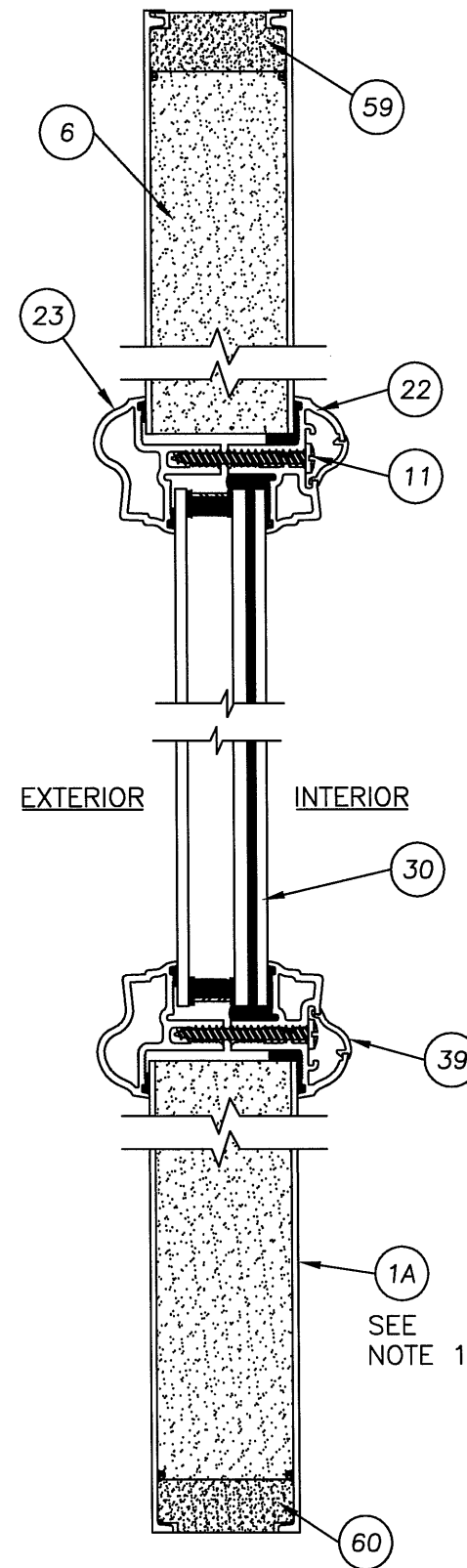
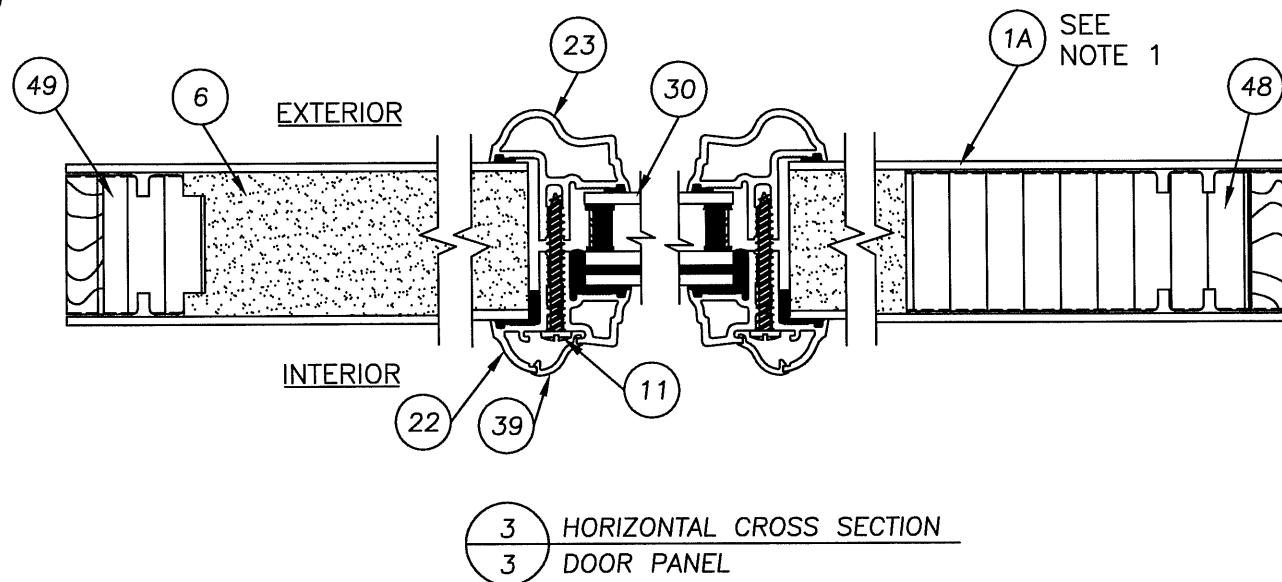
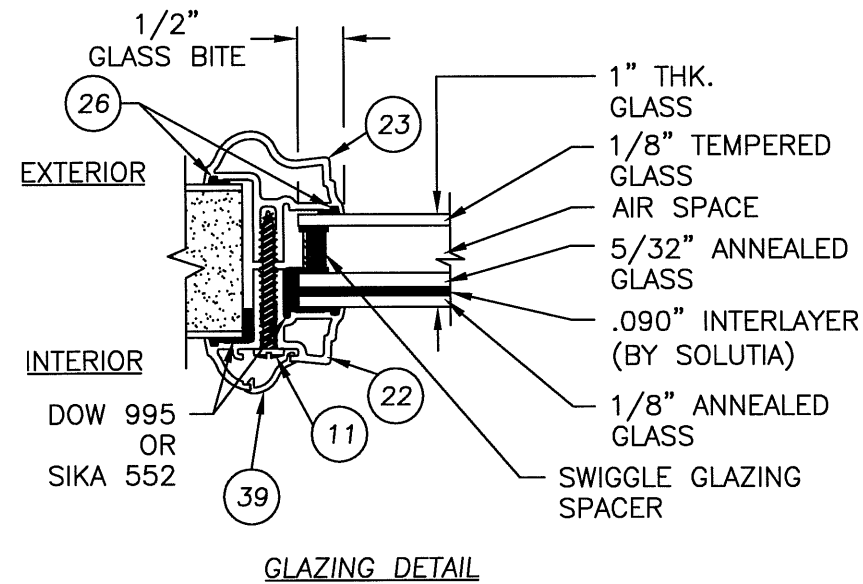
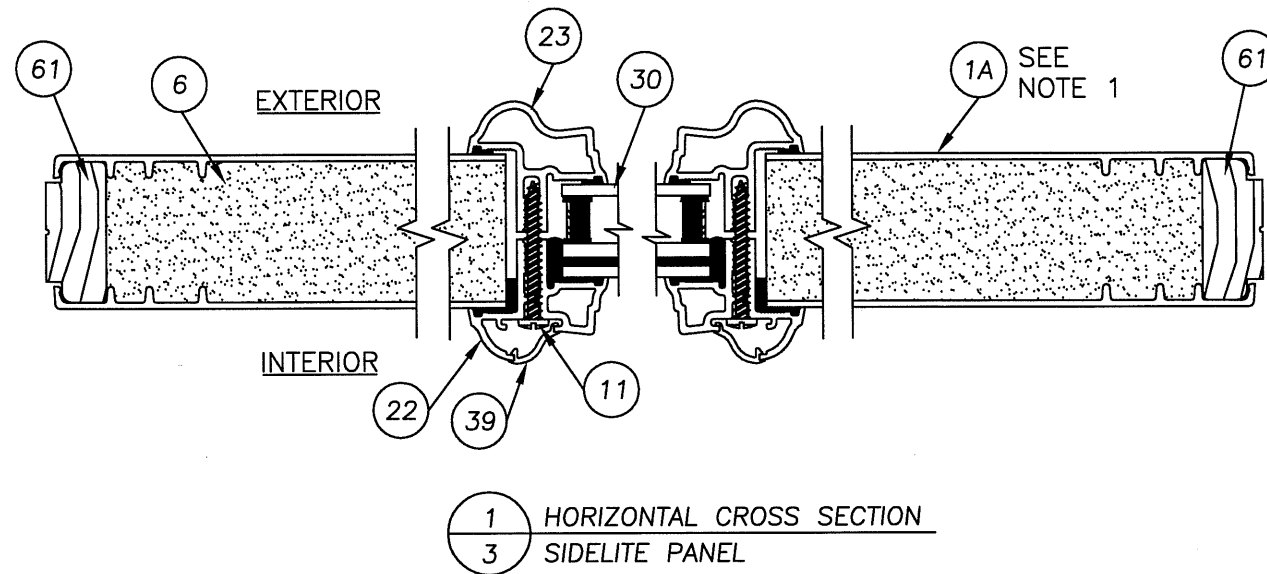
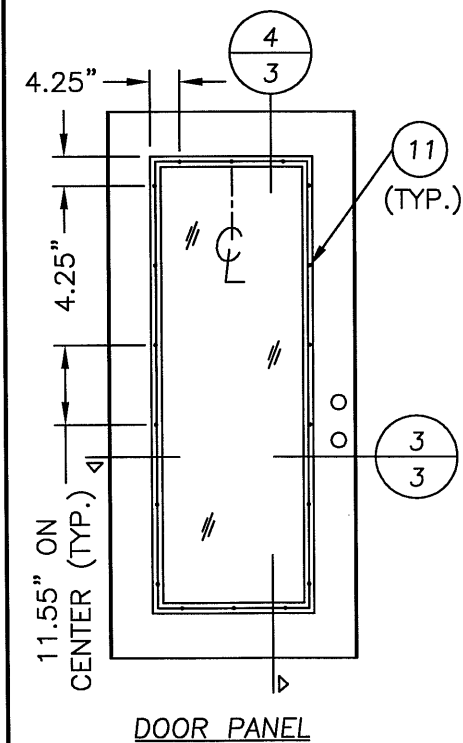
SHEET 2 OF 9

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NOTE:

1. "RUSTIC" PANEL UTILIZES MAHOGANY GRAINING PATTERN, "CLASSIC CRAFT" PANEL UTILIZES OAK GRAINING PATTERN.

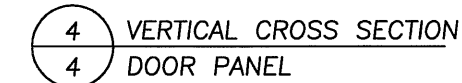
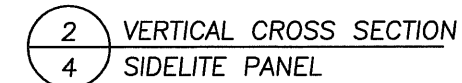
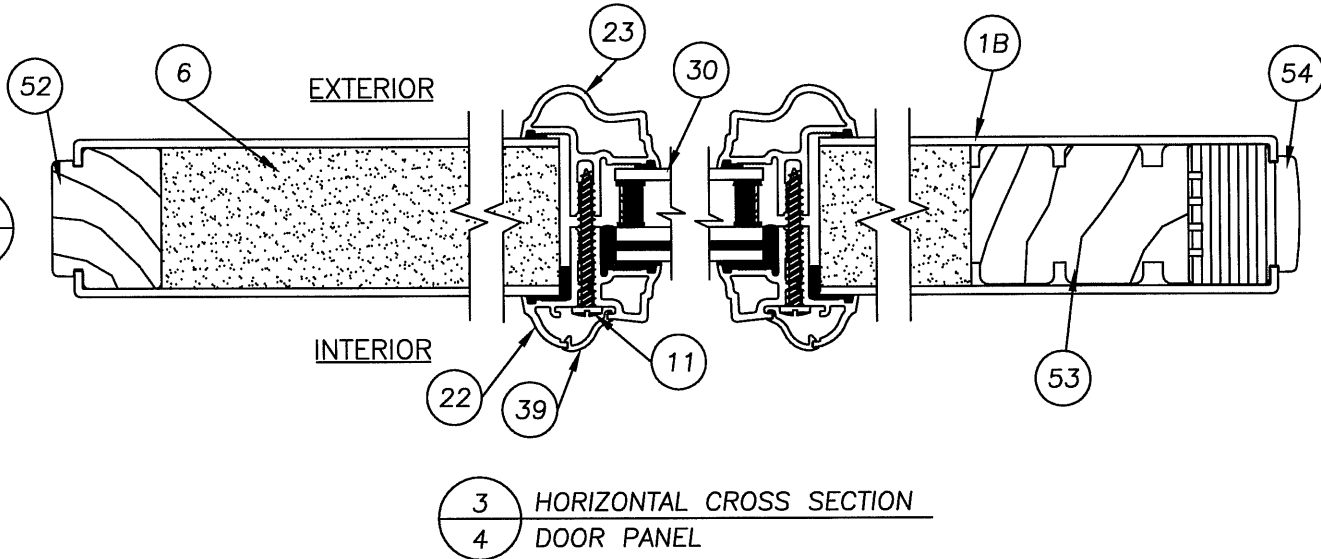


PRODUCT: THERMA-TRU GLAZED FIBERGLASS DBL DOOR W/ SIDELITES IN/OUTSWING "IMPACT" PART OR ASSEMBLY: "CLASSIC CRAFT" & "RUSTIC" DOOR PANEL CROSS SECTIONS

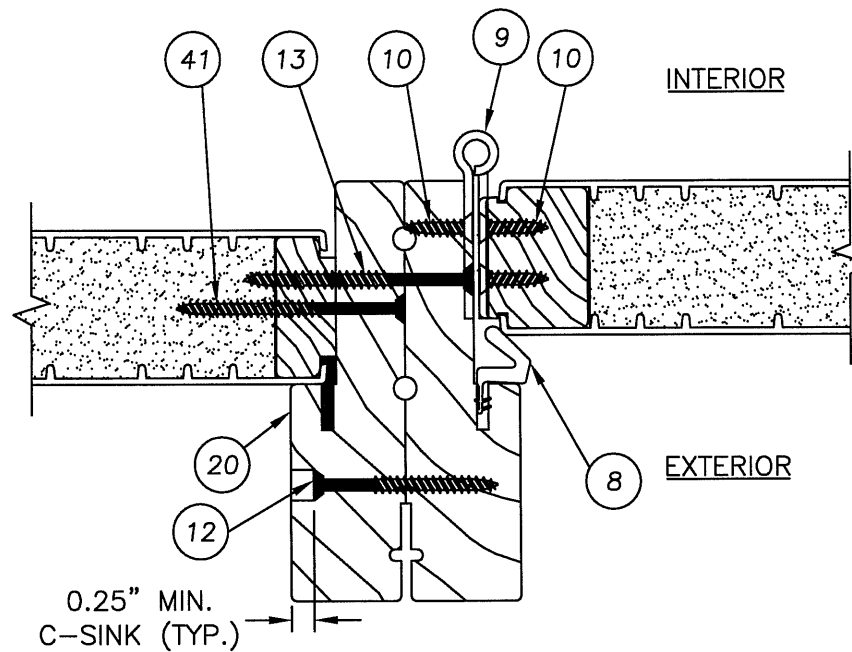
NO.	DATE	REVISIONS	BY

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3184
SHEET 3 OF 9

Documents Prepared By:
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Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Haney, P.E. No. 54158

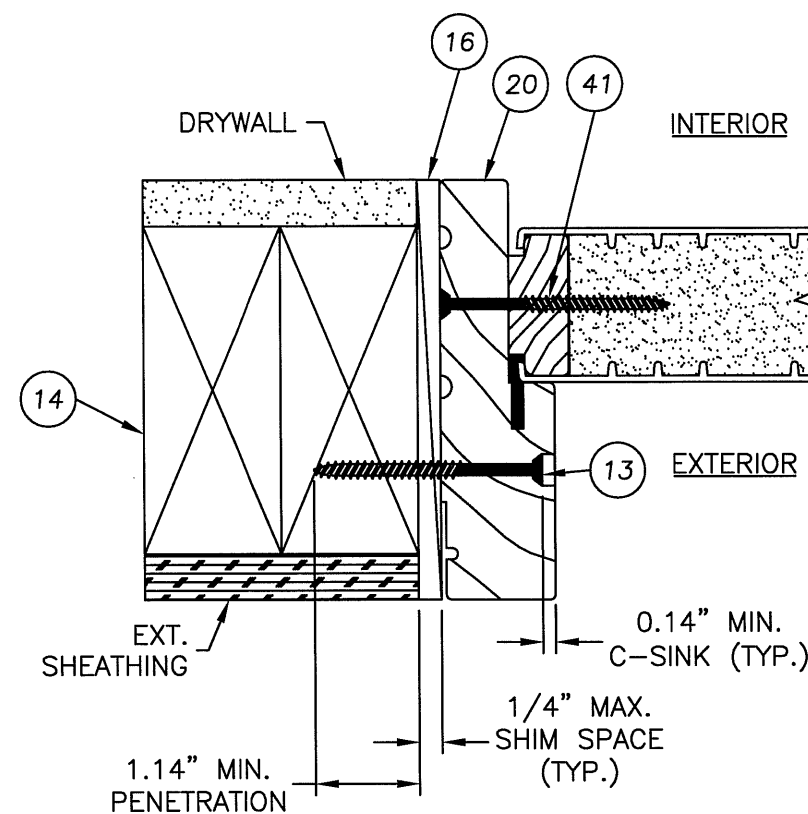
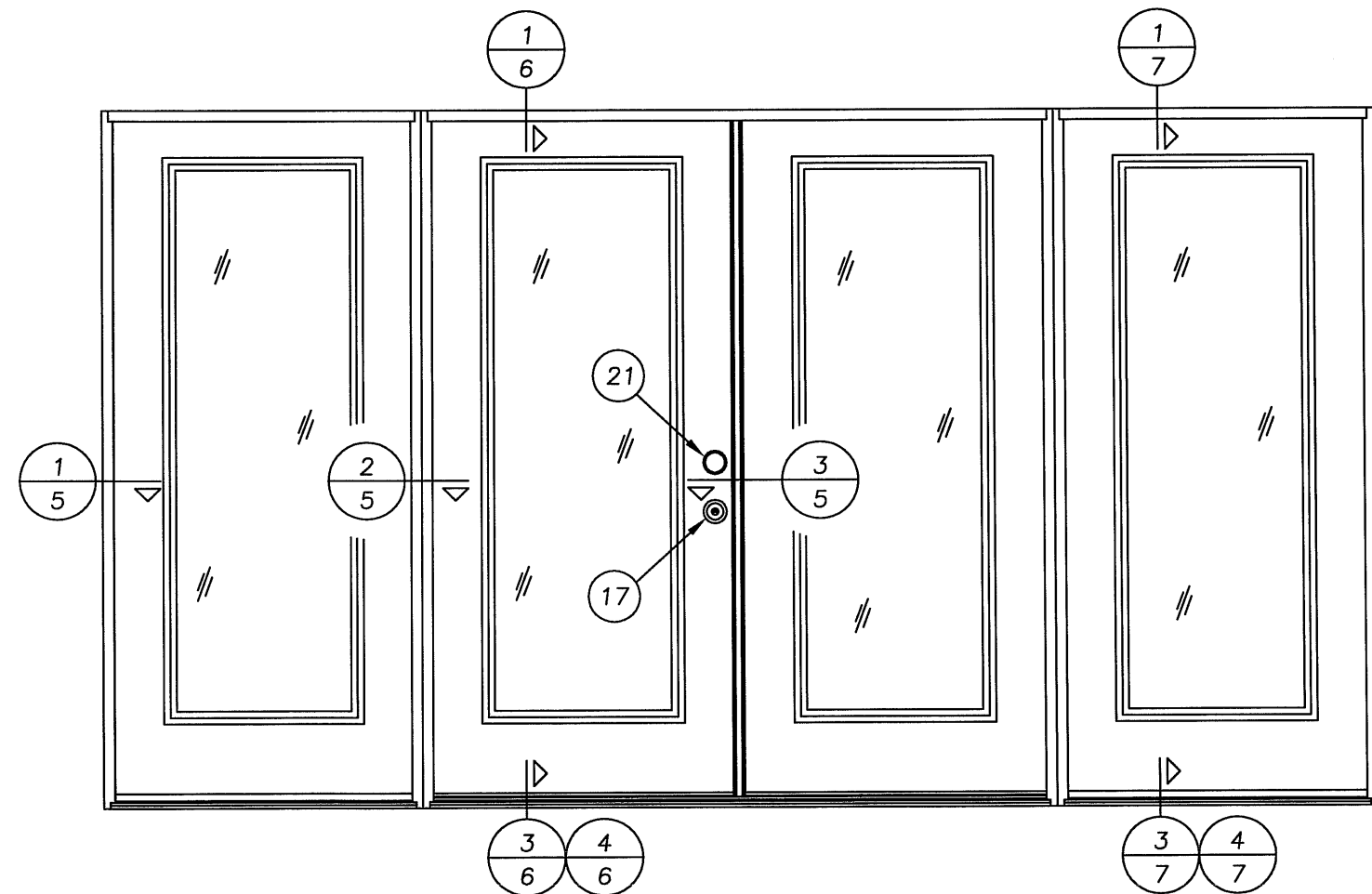
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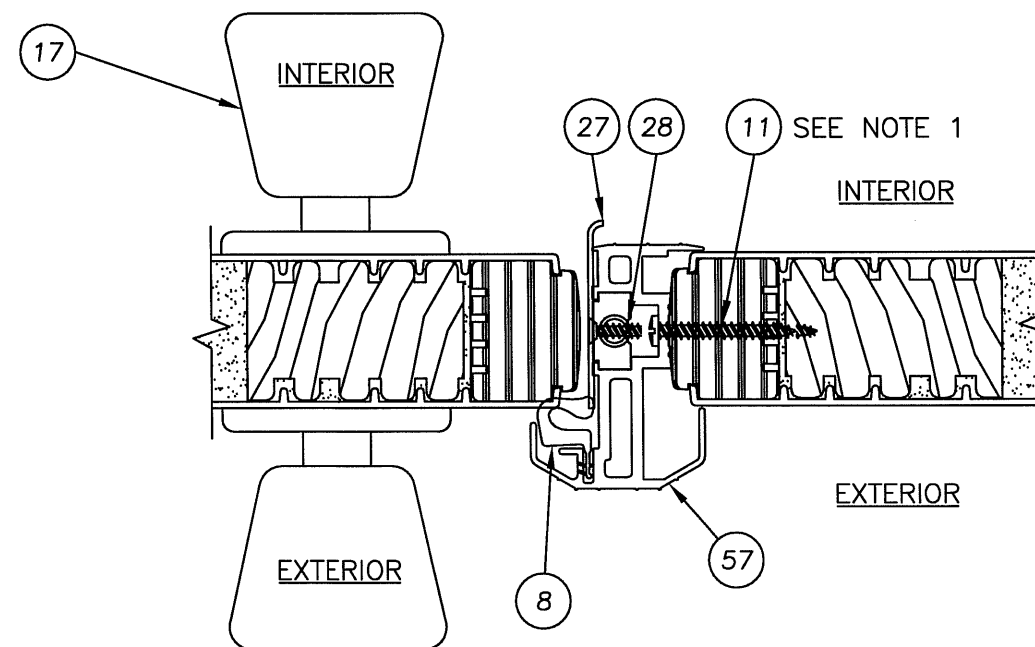


2 HORIZONTAL CROSS SECTION
5 SIDELITE JAMB TO HINGE JAMB
("SMOOTH STAR SERIES" SHOWN)

- NOTE
1. (11) OF ITEM #11 ASTRAGAL RETAINING SCREW LOCATED @ 3/4", 2", 3-1/4", 4-1/2", 18-7/8", 41-7/8", 60-7/8", 74-3/4", 76", 77-1/4" & 78-1/2" FROM TOP OF ASTRAGAL.



1 HORIZONTAL CROSS SECTION
5 @ SIDELITE JAMB
("SMOOTH STAR SERIES" SHOWN)



3 HORIZONTAL CROSS SECTION
5 LATCH JAMB @ SIDELITE JAMB
("SMOOTH STAR SERIES" SHOWN)

PRODUCT: THERMA-TRU
GLAZED FIBERGLASS DBL
SIDELITES IN/OUTSWING "IMPACT"

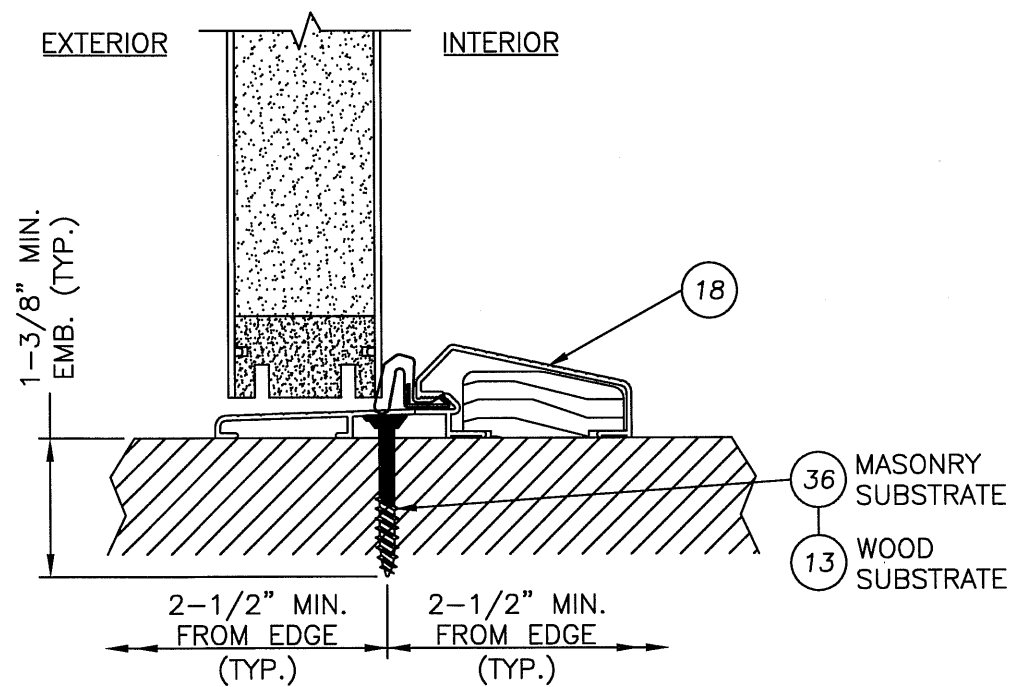
PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3184
SHEET 5 OF 9

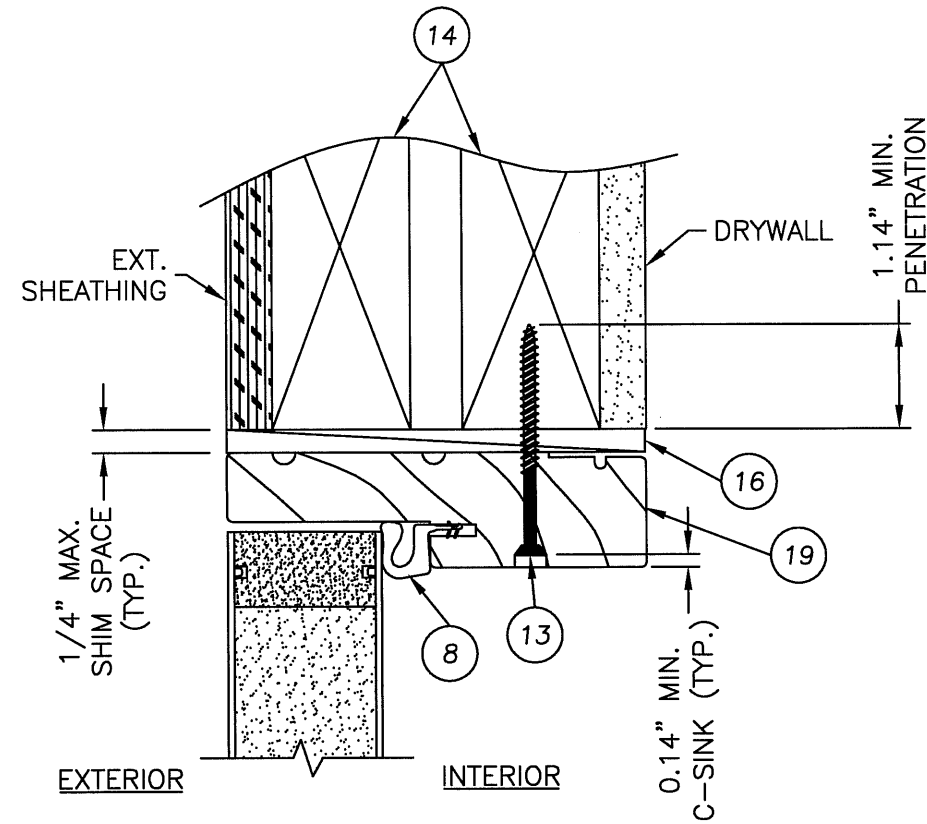
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Wendell W. Honey, P.E. No. 54158

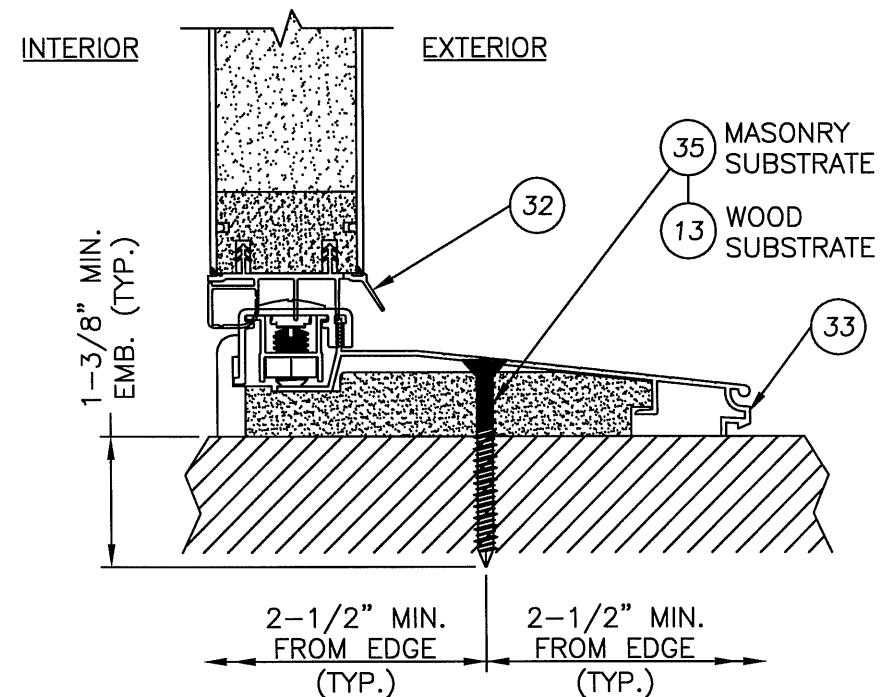
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3 VERTICAL CROSS SECTION
6 OUTSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)



1 VERTICAL CROSS SECTION
6 ("SMOOTH STAR SERIES" SHOWN)



4 VERTICAL CROSS SECTION
6 INSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)

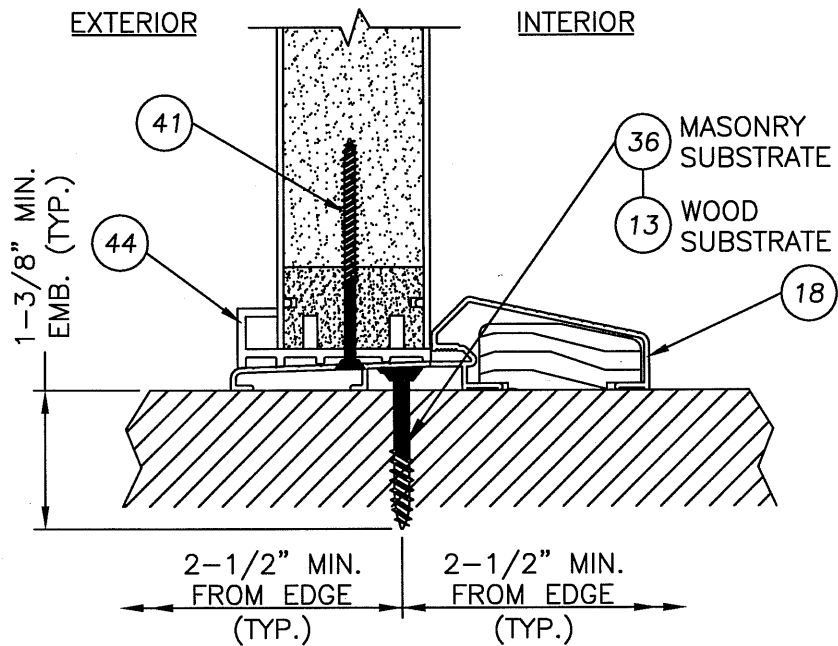
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DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3184
SHEET 6 OF 9

PRODUCT: THERMA-TRU
GLAZED FIBERGLASS DBL DOOR W/
SIDELITES IN/OUTSWING "IMPACT"
PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

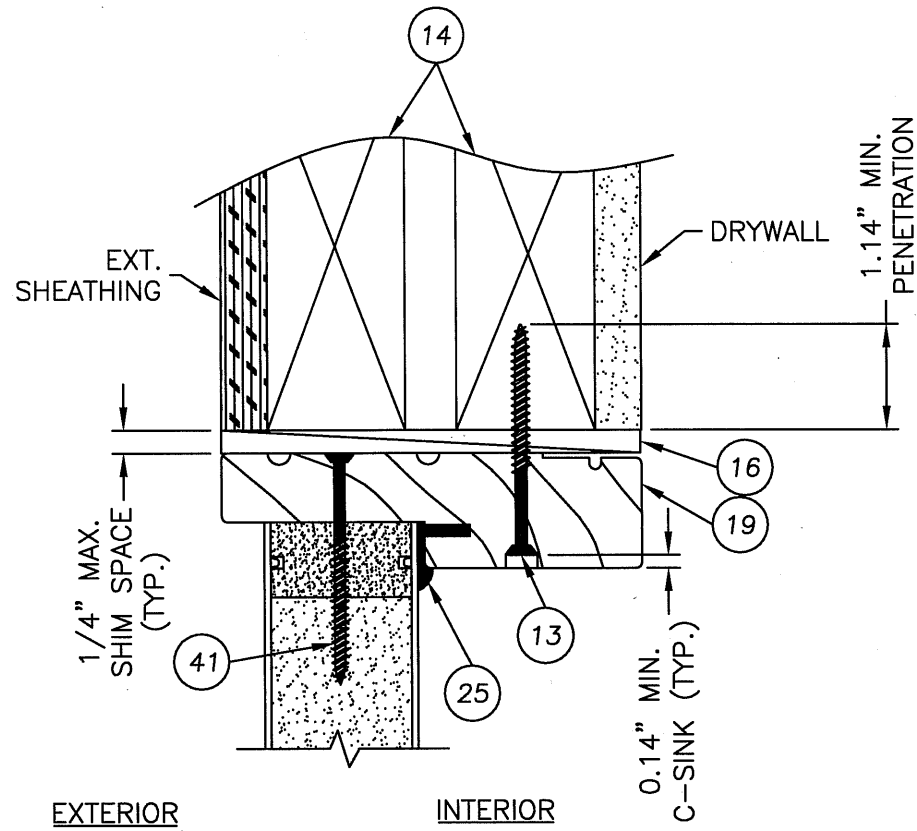
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Wendell W. Haney, P.E. No. 54158

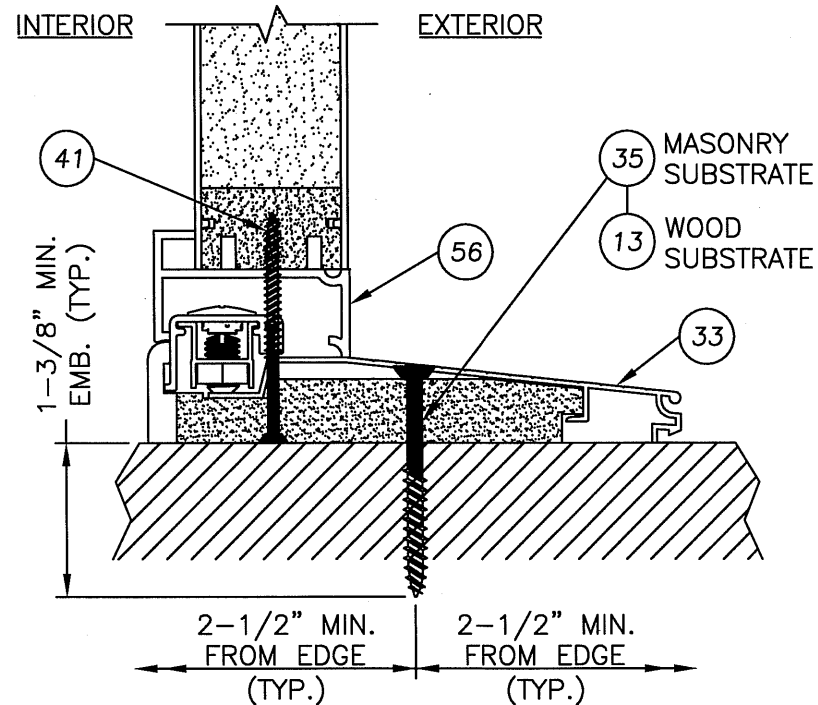
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3 VERTICAL CROSS SECTION
7 OUTSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)



1 VERTICAL CROSS SECTION
7 ("SMOOTH STAR SERIES" SHOWN)



4 VERTICAL CROSS SECTION
7 INSWING CONFIGURATION
("SMOOTH STAR SERIES" SHOWN)

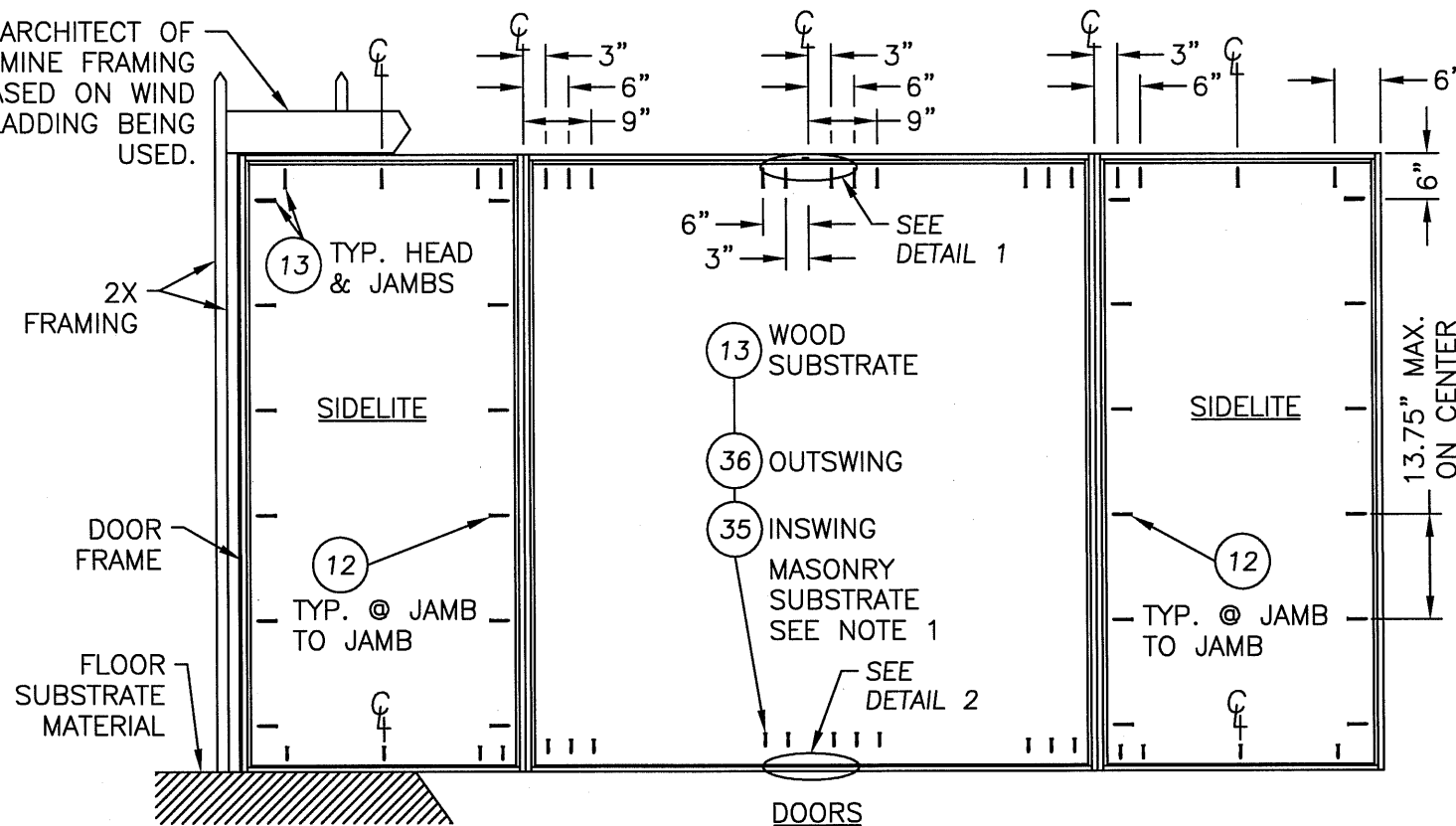
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DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3184
SHEET 7 OF 9

PRODUCT: THERMA-TRU
GLAZED FIBERGLASS DBL DOOR W/
SIDELITES IN/OUTSWING "IMPACT"
PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

Documents Prepared By:
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Wendell W. Haney, P.E. No. 54158

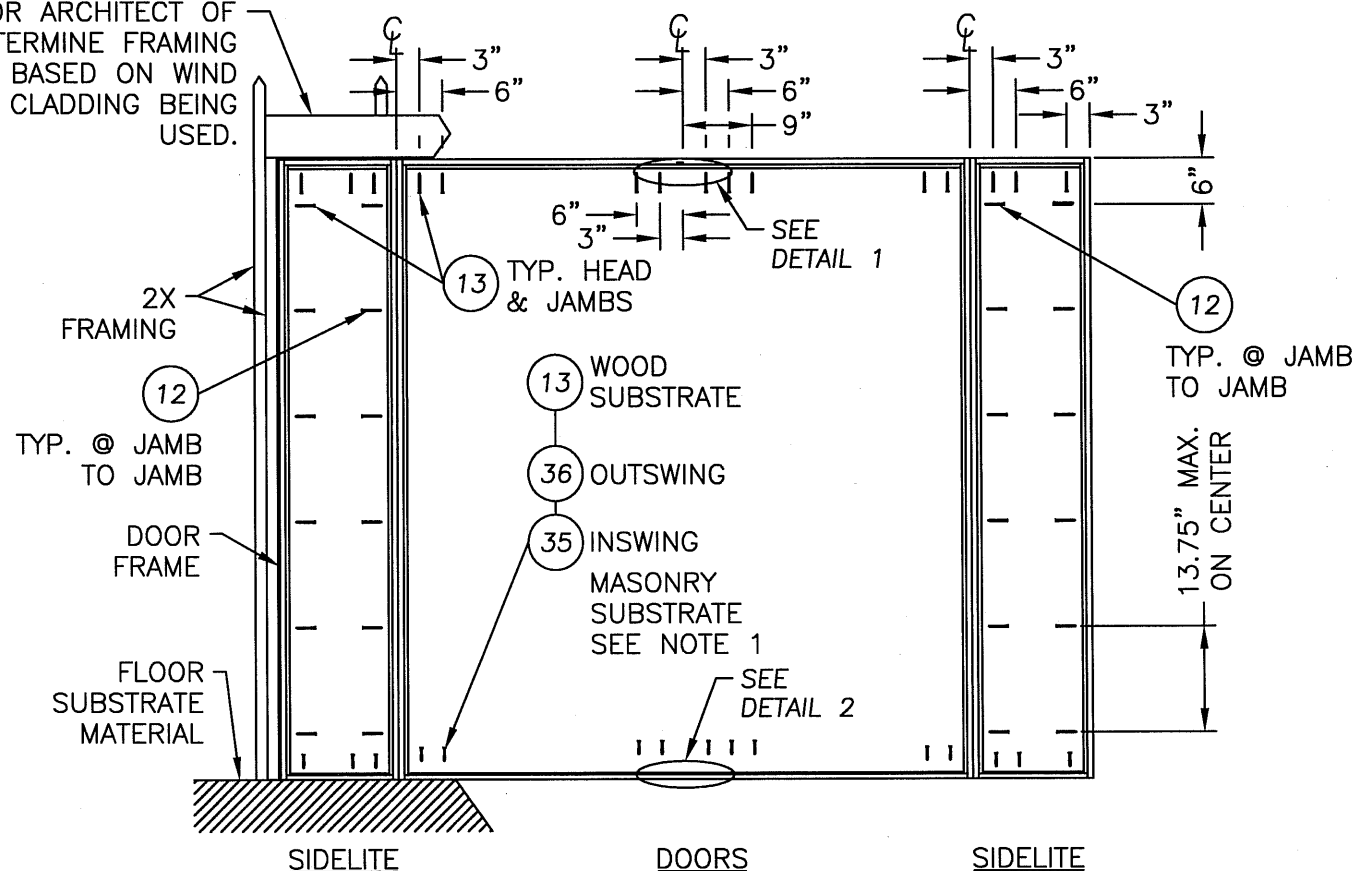
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THE ENGINEER OR ARCHITECT OF RECORD TO DETERMINE FRAMING REQUIREMENTS BASED ON WIND LOADS AND THE CLADDING BEING USED.

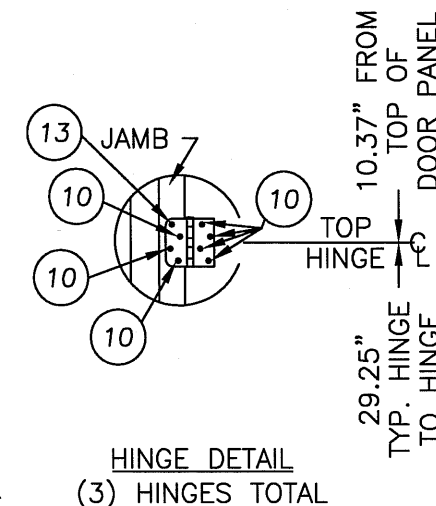
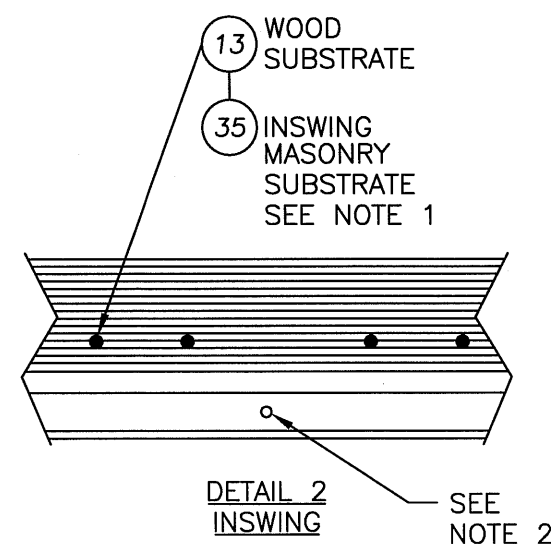
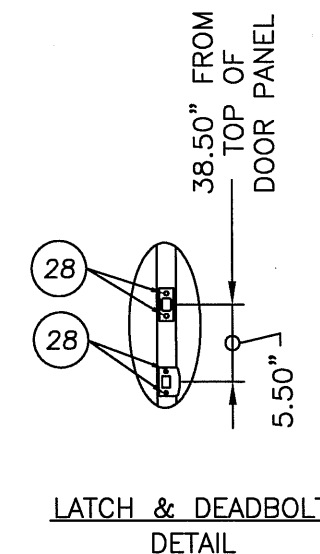
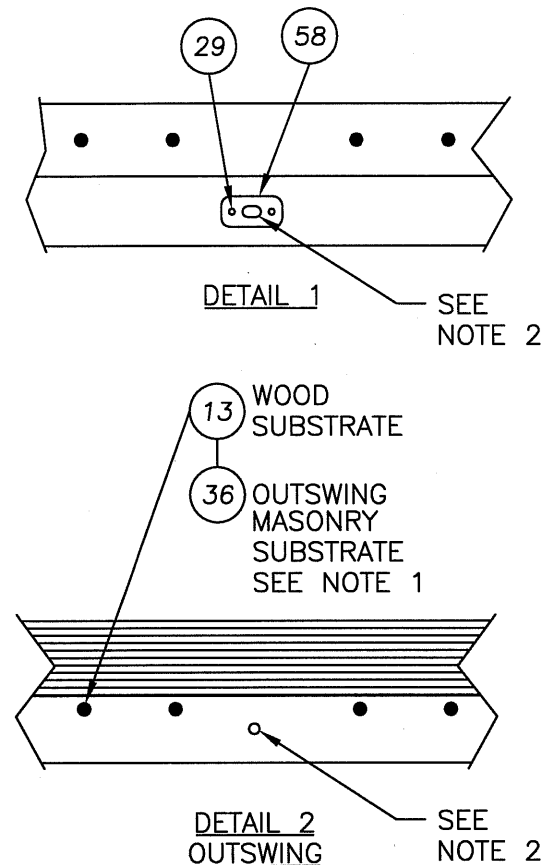


FRAME ANCHORING
FOR UP TO 36" SIDELITE

THE ENGINEER OR ARCHITECT OF RECORD TO DETERMINE FRAMING REQUIREMENTS BASED ON WIND LOADS AND THE CLADDING BEING USED.



FRAME ANCHORING
FOR UP TO 14" SIDELITE



NOTES:

1. 1/4" ITW CONCRETE SCREWS ANCHORING FRAME AND/OR SILL REQUIRE A MINIMUM 2-1/2" CLEARANCE TO MASONRY EDGES AND A MINIMUM 3" CLEARANCE TO ADJACENT CONCRETE SCREWS UNLESS OTHERWISE NOTED BY CONCRETE SCREW MANUFACTURER.
2. THE ASTRAGAL BOLT HAS A 3" THROW AT THE TOP AND THE BOTTOM.

Documents Prepared By:

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P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813

Wendell W. Haney, P.E. No. 54158

PRODUCT: THERMA-TRU DOOR W/ GLAZED FIBERGLASS DBL SIDELITES IN/OUTSWING "IMPACT"

PART OR ASSEMBLY: FRAME ANCHORING

NO.	DATE	REVISIONS	BY

DATE: 12/15/06

SCALE: N.T.S.

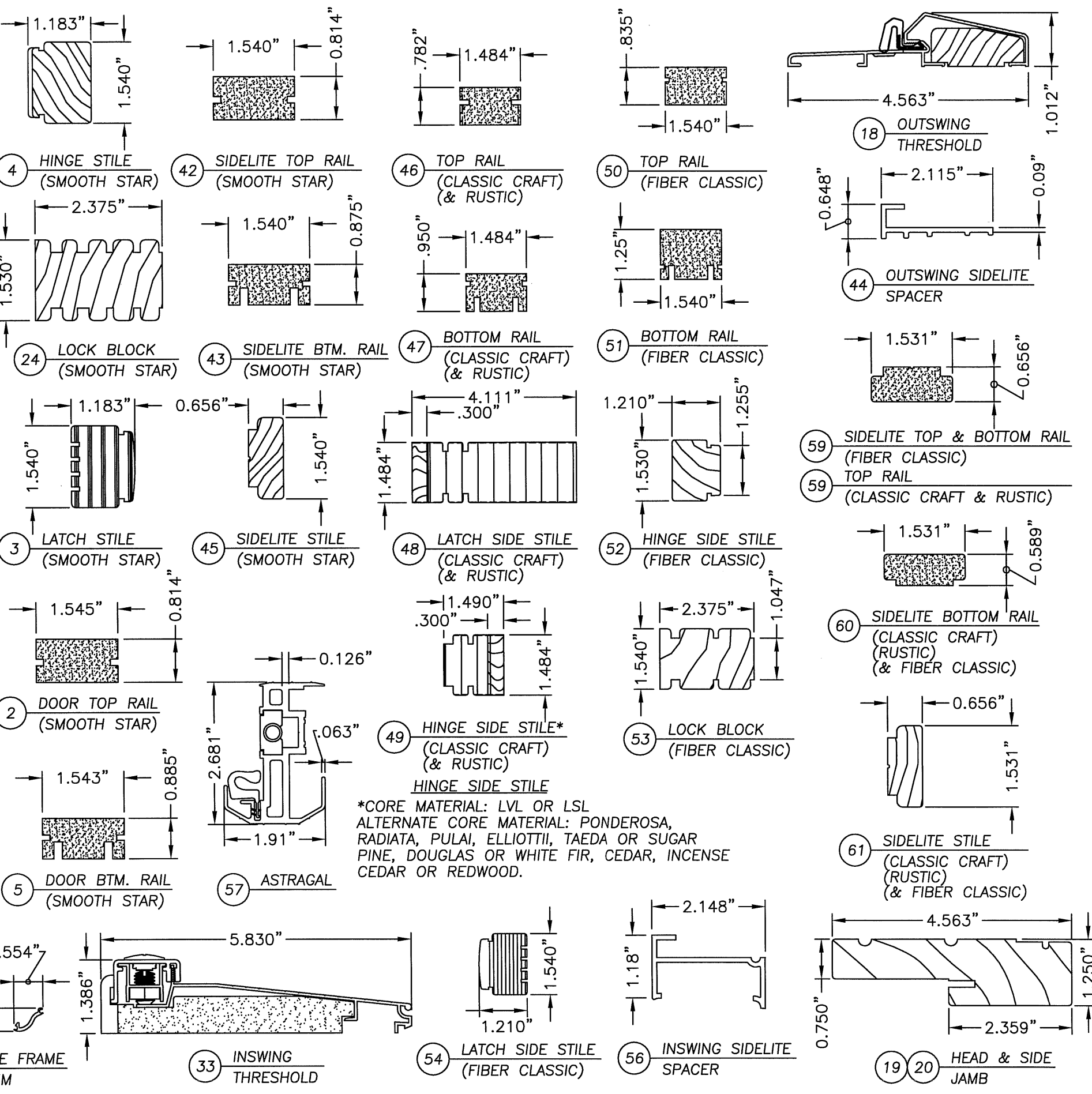
DWG. BY: AEM

CHK. BY: WWH

DRAWING NO.: TX-3184

SHEET 8 OF 9

Item	DESCRIPTION	Material
1	DOOR SKIN; SMOOTH STAR SERIES (.065" MIN.)	FIBERGLASS
1A	DOOR SKIN; CLASSIC CRAFT & RUSTIC SERIES (.090" MIN.)	FIBERGLASS
1B	DOOR SKIN; FIBER CLASSIC SERIES (.065" MIN.)	FIBERGLASS
2	TOP RAIL DOOR THERMA-TRU (SMOOTH STAR)	COMP.
3	LATCH STILE DOOR THERMA-TRU (SMOOTH STAR)	LVL
4	HINGE STILE DOOR THERMA-TRU (SMOOTH STAR)	WOOD
5	BOTTOM RAIL DOOR THERMA-TRU (SMOOTH STAR)	COMP.
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSITY)	FOAM
7	MEDIUM REACH COMPRESSION WEATHER-STRIP (THERMA-TRU)	FOAM
8	LONG REACH COMPRESSION WEATHER-STRIP (THERMA-TRU)	FOAM
9	4" x 4" HINGE .097" THK. (THERMA-TRU)	STEEL
10	#10 x 3/4" PFH WOOD SCREW (Hinge to Frame)	STEEL
11	#10 x 1-1/2" PPH SHEET METAL SCREW	STEEL
12	#10 x 2" PFH WOOD SCREW	STEEL
13	#10 x 2-1/2" PFH WOOD SCREW	STEEL
14	2X FRAMING	WOOD
15	NOT USED	-
16	MAX. 1/4" SHIM MATERIAL	WOOD
17	KWIKSET 200 SERIES PASSAGE LOCK	STEEL
18	THRESHOLD OUTSWING (THERMA-TRU)	ALUM./WOOD
19	HEADER JAMB (4.656" x 1.25" THERMA-TRU, PINE)	WOOD
20	SIDE JAMB (4.656" x 1.25" THERMA-TRU) (FJ PINE)	WOOD
21	KWIKSET 600 SERIES DEADBOLT	STEEL
22	INTERIOR LITE FRAME	ALUM.
23	EXTERIOR LITE FRAME	ALUM.
24	LOCK BLOCK (SMOOTH STAR)	WOOD
25	SILICONE CAULK	SILICONE
26	CELLULAR GLAZING TAPE	FOAM
27	LATCH STRIKE	STEEL
28	#8 x 2-1/2" PFH WOOD SCREW	STEEL
29	#8 x 3" PFH SCREW	STEEL
30	1" THK. INSUL. LAMINATED GLASS (INTERLAYER BY SOLUTIA) 1/8" TEMP.- AIR - 5/32" ANN. / .090" INTERLAYER / 1/8" ANN.	GLASS
31	NOT USED	-
32	DOOR BOTTOM SWEEP (INSWING)	PVC
33	INSWING THRESHOLD	ALUM./COMP.
34	NOT USED	-
35	1/4" x 2-1/4" ITW TAPCON	STEEL
36	1/4" x 1-3/4" ITW TAPCON	STEEL
37	NOT USED	-
38	NOT USED	-
39	LITE FRAME TRIM	PVC
40	#9 x 3" PFH WOOD SCREW	STEEL
41	#9 x 2-1/2" PFH SCREW	STEEL
42	SIDELITE TOP RAIL (SMOOTH STAR)	COMP.
43	SIDELITE BOTTOM RAIL (SMOOTH STAR)	COMP.
44	OUTSWING SIDELITE SPACER	PVC
45	SIDELITE STILE (SMOOTH STAR)	WOOD
46	TOP RAIL (CLASSIC CRAFT & RUSTIC)	COMP.
47	BOTTOM RAIL (CLASSIC CRAFT & RUSTIC)	COMP.
48	LATCH SIDE STILE (CLASSIC CRAFT & RUSTIC)	LSL / OAK
49	HINGE SIDE STILE (CLASSIC CRAFT & RUSTIC)	LSL / OAK
50	TOP RAIL (FIBER CLASSIC)	COMP.
51	BOTTOM RAIL (FIBER CLASSIC)	COMP.
52	HINGE SIDE STILE (FIBER CLASSIC)	WOOD
53	LOCK BLOCK (FIBER CLASSIC)	WOOD
54	LATCH SIDE STILE (FIBER CLASSIC)	LVL / OAK
55	NOT USED	-
56	SIDELITE SPACER INSWING	PVC
57	ASTRAGAL (6063-T5)	ALUM.
58	ASTRAGAL STRIKE PLATE	STEEL
59	SIDELITE TOP & BOTTOM RAIL (CLASSIC CRAFT, RUSTIC & FIBER CLASSIC)	COMP.
60	SIDELITE BOTTOM RAIL (CLASSIC CRAFT, RUSTIC & FIBER CLASSIC)	COMP.
61	SIDELITE STILE (CLASSIC CRAFT, RUSTIC & FIBER CLASSIC)	WOOD



*CORE MATERIAL: LVL OR LSL
ALTERNATE CORE MATERIAL: PONDEROSA, RADIATA, PULAI, ELLIOTTII, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.

Documents Prepared By:

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Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

Wendell W. Haney, P.E. No. 54158

PRODUCT:

THERMA-TRU
GLAZED FIBERGLASS DOOR
IN/OUTSWING "IMPACT"

PART OR ASSEMBLY:

BILL OF MATERIALS &
COMPONENTS

REVISIONS

DATE: 12/15/06

SCALE: N.T.S.

DWG. BY: AEM

CHK. BY: WWH

DRAWING NO.: TX-3184

SHEET 9 OF 9