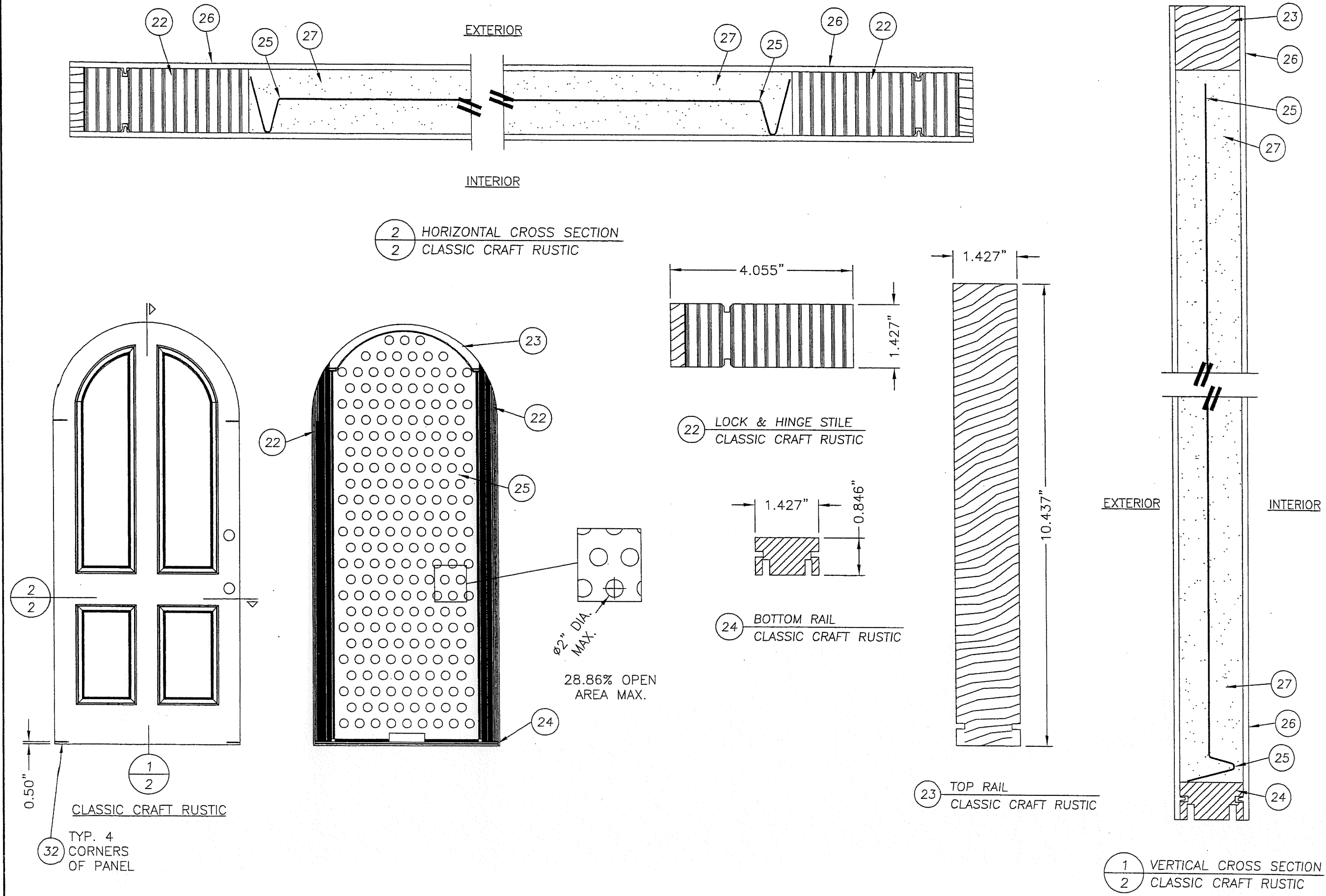
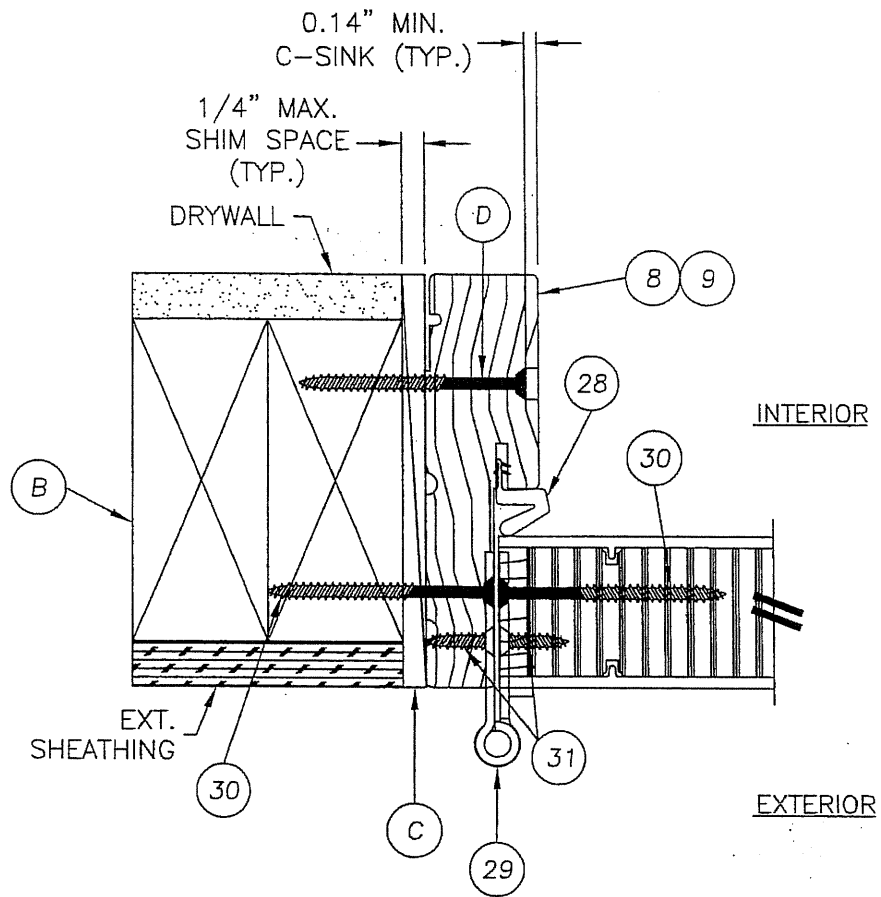
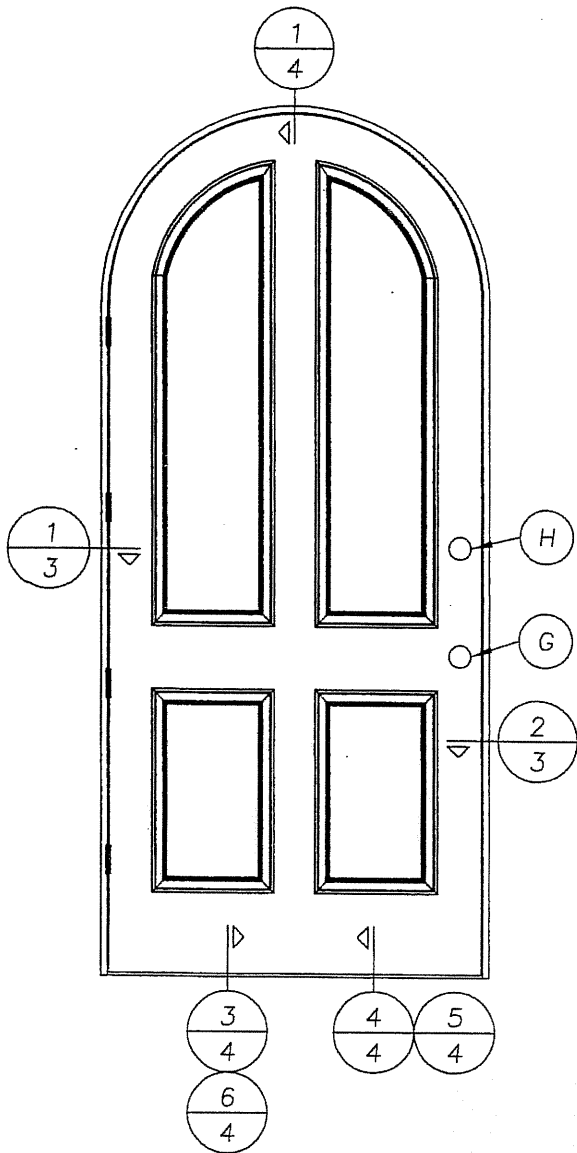


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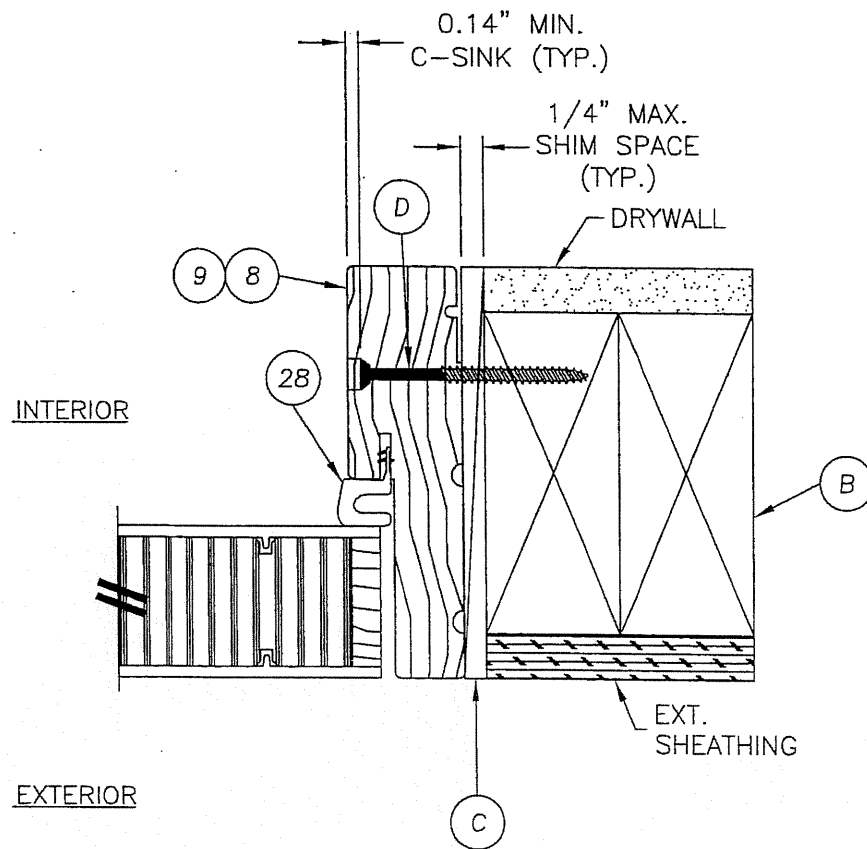


Documents Prepared By:										BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.659.9497 Florida Board of Professional Engineers Certificate Of Authorization No. 9813 <i>Wendell W. Haney</i> 2-16-07 Wendell W. Haney, P.E. No. 54158																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
PRODUCT:										SINGLE OPAQUE FIBERGLASS DOOR "IMPACT" INSWING / OUTSWING																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
PART OR ASSEMBLY:										DOOR PANEL DETAILS (CLASSIC CRAFT RUSTIC)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

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1 HORIZONTAL CROSS SECTION
@ HINGE
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



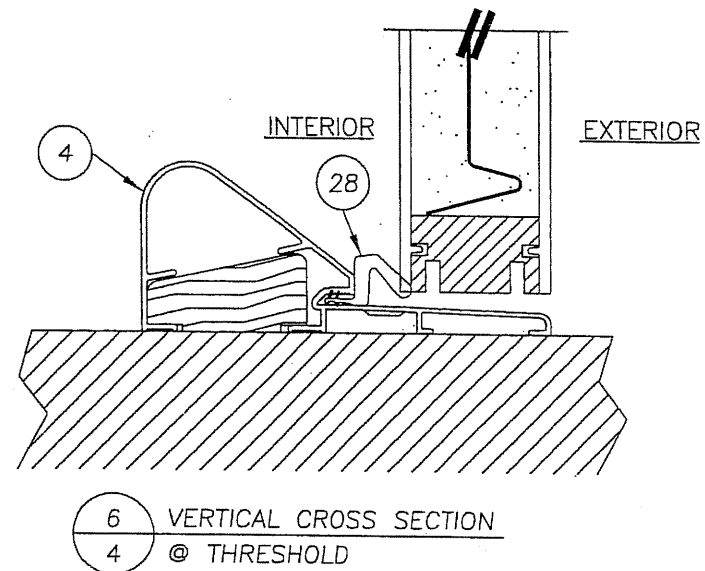
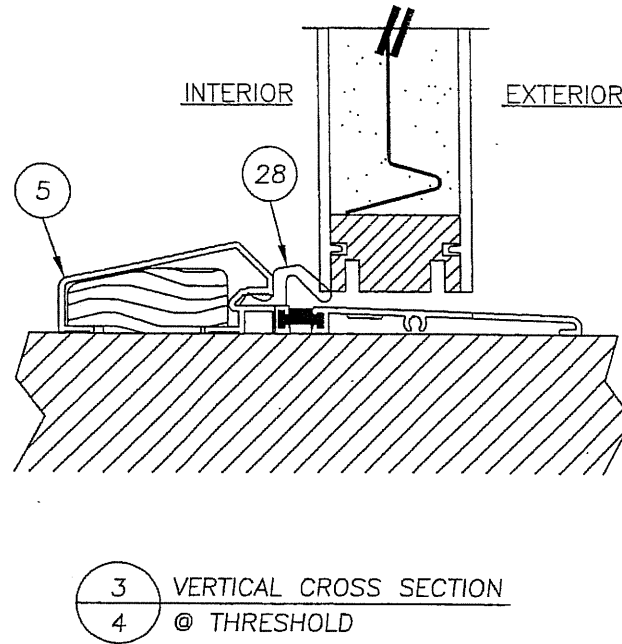
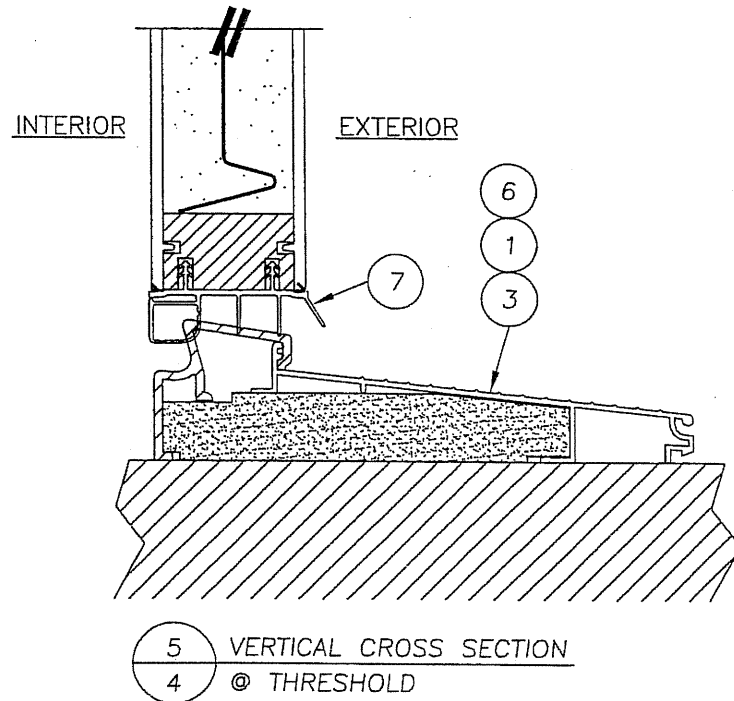
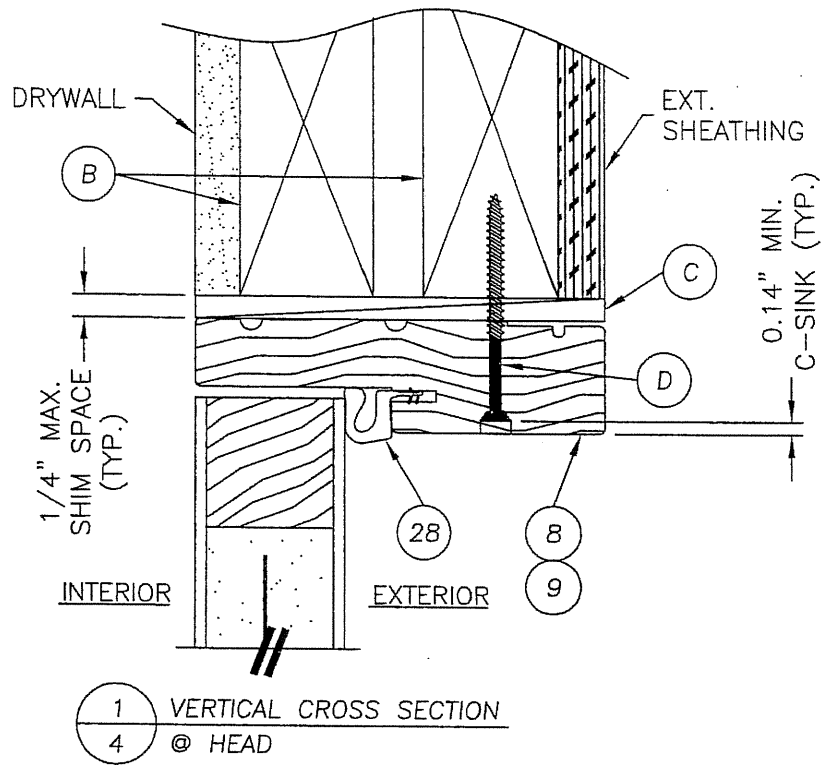
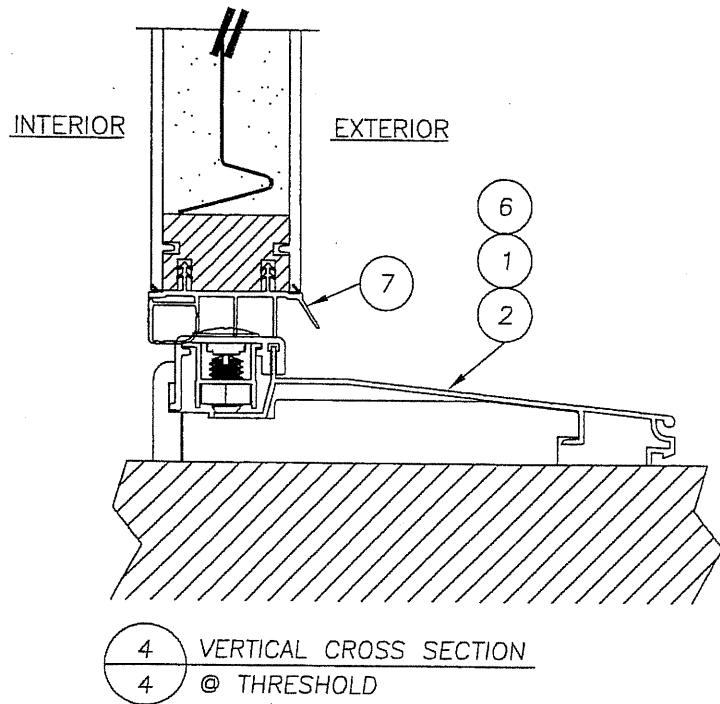
2 HORIZONTAL CROSS SECTION
@ LATCH
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3171
SHEET 3 OF 6

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

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

R:\A - Projects\Project Folders\Proj 1101 - 1200\p1104\80 TX-EVL.dwg, R4



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. Hanley 2-16-07
Wendell W. Hanley, P.E. No. 54158

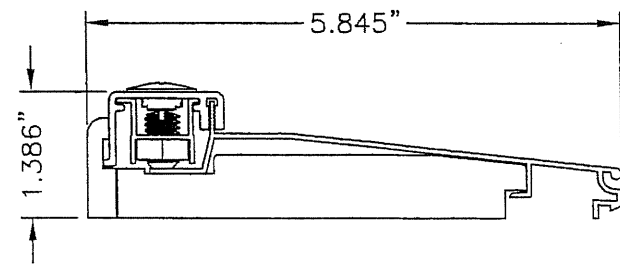
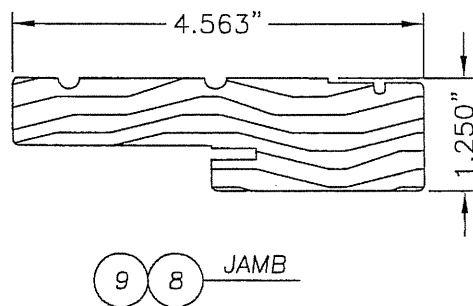
PRODUCT:
SINGLE OPAQUE
FIBERGLASS DOOR
"IMPACT" INSWING / OUTSWING
PART OR ASSEMBLY:

VERTICAL CROSS SECTIONS

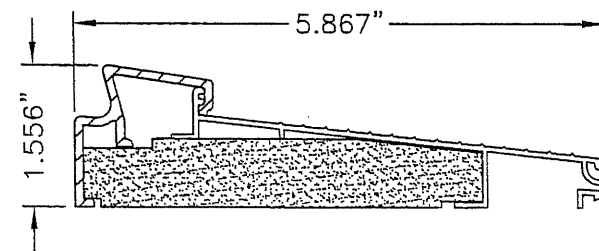
REVISIONS			
NO.	DATE	BY	

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3171
SHEET 4 OF 6

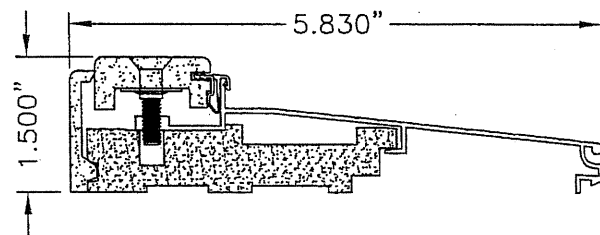
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	2X FRAMING	WOOD
C	1/4" MAX. SHIM SPACE	WOOD
D	#10 X 2-1/2" PFH WOOD SCREW	STEEL
G	KWIKSET 200 SERIES PASSAGE LOCK	STEEL
H	KWIKSET 600 SERIES DEADBOLT	STEEL
I	1/4" X 3-3/4" ITW TAPCON	STEEL
1	INSWING ADJUSTABLE THRESHOLD (IS300AJ)	ALUM./WOOD
2	INSWING THRESHOLD (IS300HP5)	—
3	INSWING SELF ADJUST THERMAL BREAK THRESHOLD (ISP30M)	ALUM./COMP.
4	OUTSWING COASTAL THRESHOLD	ALUM./WOOD
5	OUTSWING STANDARD THRESHOLD	ALUM./WOOD
6	INSWING THRESHOLD	—
7	DOOR BOTTOM SWEEP	VINYL
8	JAMB (PINE)	WOOD
9	JAMB (OAK)	WOOD
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
36	#8 X 3" PFH SCREW	STEEL
52	DOOR BOTTOM SWEEP	VINYL



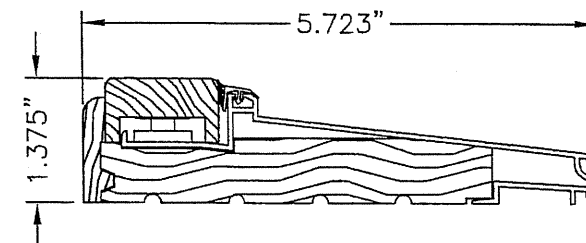
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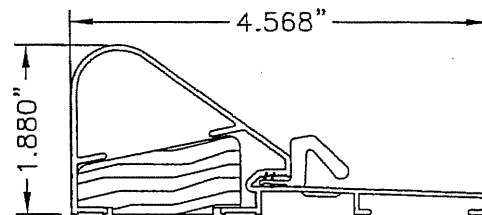
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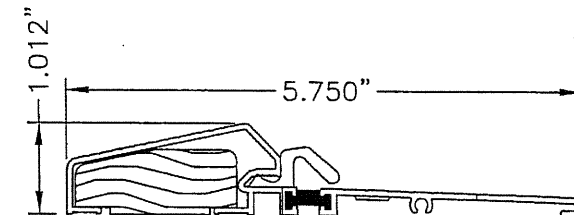
6 THRESHOLD
INSWING
MAX. DP RATING = +/- 50.0 PSF



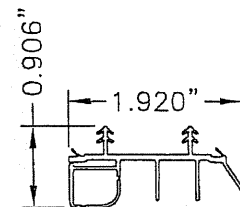
① THRESHOLD
INSWING ADJUSTABLE



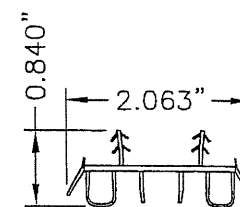
4 THRESHOLD
OUTSWING COASTAL



5 THRESHOLD
OUTSWING STANDARD



7 SWEEP



52 — SWEEP

[illegible]

THERMA ■ TRU®

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

CLASSIC CRAFT & CLASSIC CRAFT RUSTIC

SINGLE "IMPACT" DOOR
INSWING / OUTSWING

EVALUATED FOR USE IN THE STATE OF TEXAS

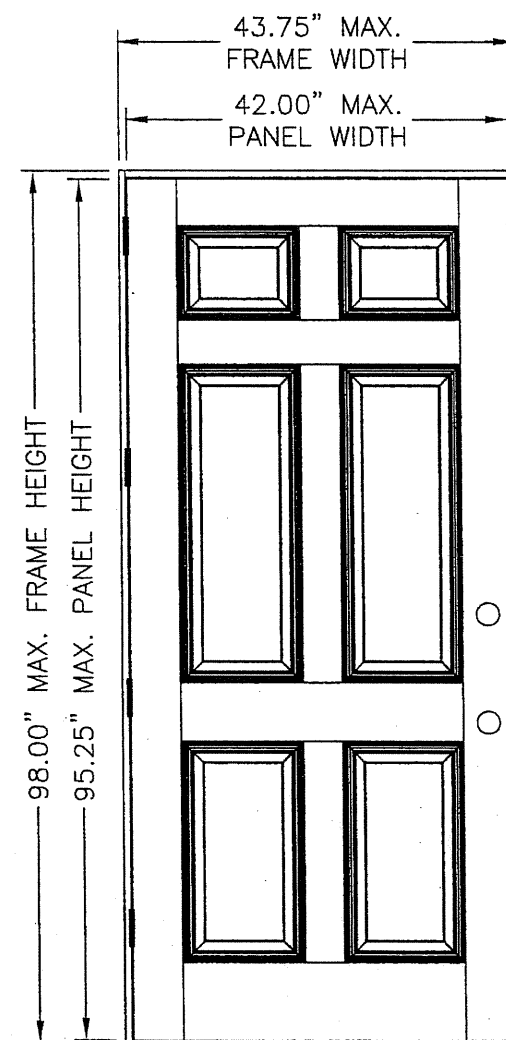
THE THERMA-TRU FIBERGLASS DOOR DESCRIBED HEREIN COMPLIES WITH THE INTERNATIONAL RESIDENTIAL CODE (IRC), SECTIONS R301 & R613 AND THE INTERNATIONAL BUILDING CODE (IBC), SECTIONS 1714.5 1405.12, 1609, 2403 AND 2404 (INCLUDING TEXAS REVISIONS) SUBJECT TO THE FOLLOWING CONDITIONS:

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 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, dated October 31, 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..
3. Certificate of Participation issued by the National Accreditation and Management Institute, Inc., certifying that Thermo-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 DETAILS (CLASSIC CRAFT)
3	DOOR PANEL DETAILS (CLASSIC CRAFT RUSTIC)
4	HORIZONTAL CROSS SECTIONS
5	VERTICAL CROSS SECTIONS
6	FRAME ANCHORING
7	BILL OF MATERIALS & COMPONENTS



"CLASSIC CRAFT" & "CLASSIC CRAFT RUSTIC"

DOOR TYPE	SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE	
			POSITIVE	NEGATIVE
CLASSIC CRAFT	OUTSWING	43.75" X 96.50"	+65.0	-65.0
	INSWING	43.75" X 98.00"	+65.0	-65.0
RUSTIC	OUTSWING	43.75" X 96.50"	+65.0	-65.0
	INSWING	43.75" X 98.00"	+65.0	-65.0

Documents Prepared By:

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

2-10-07

Wendell W. Harvett
54158

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

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

REVISIONS

DATE: 12/15/06

SCALE: N.T.S.

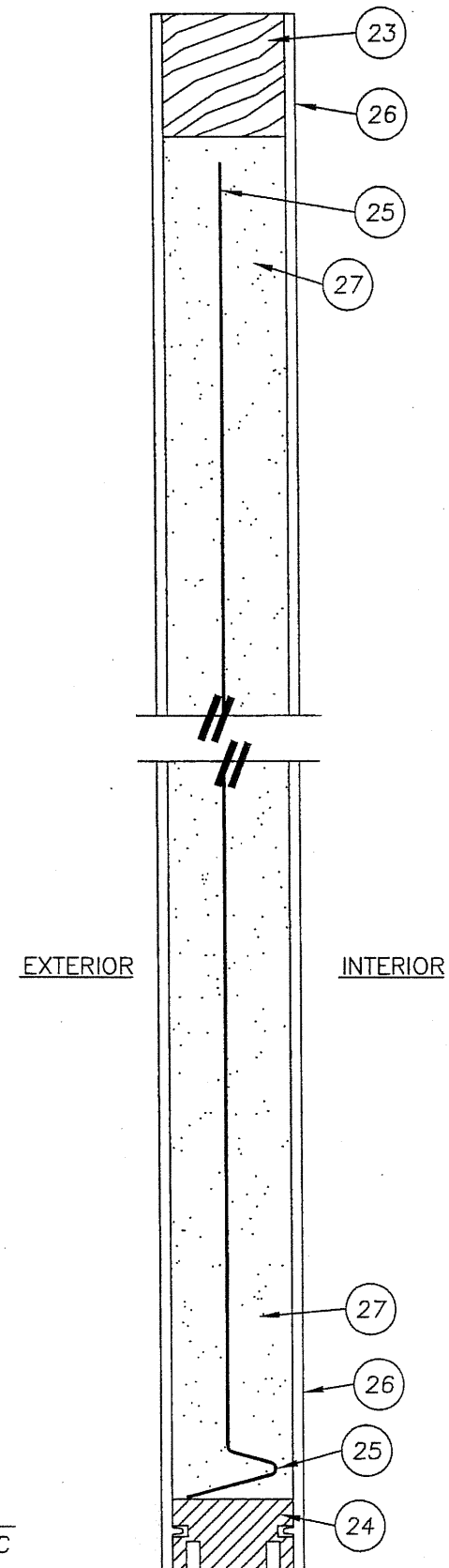
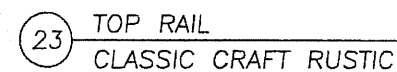
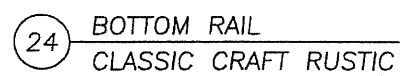
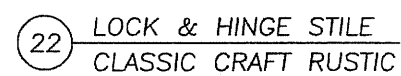
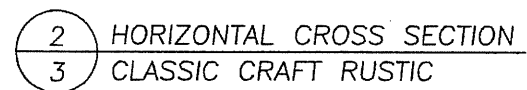
DWG. BY: AEM

CHK. BY: WWH

DRAWING NO.:

TX-3172

SHEET 1 OF 7



1	VERTICAL CROSS SECTION
3	CLASSIC CRAFT RUSTIC

[illegible]

Documents Prepared By:

Documents Prepared by:
DOUGLAS, BUILDING CONSULTANTS, INC.

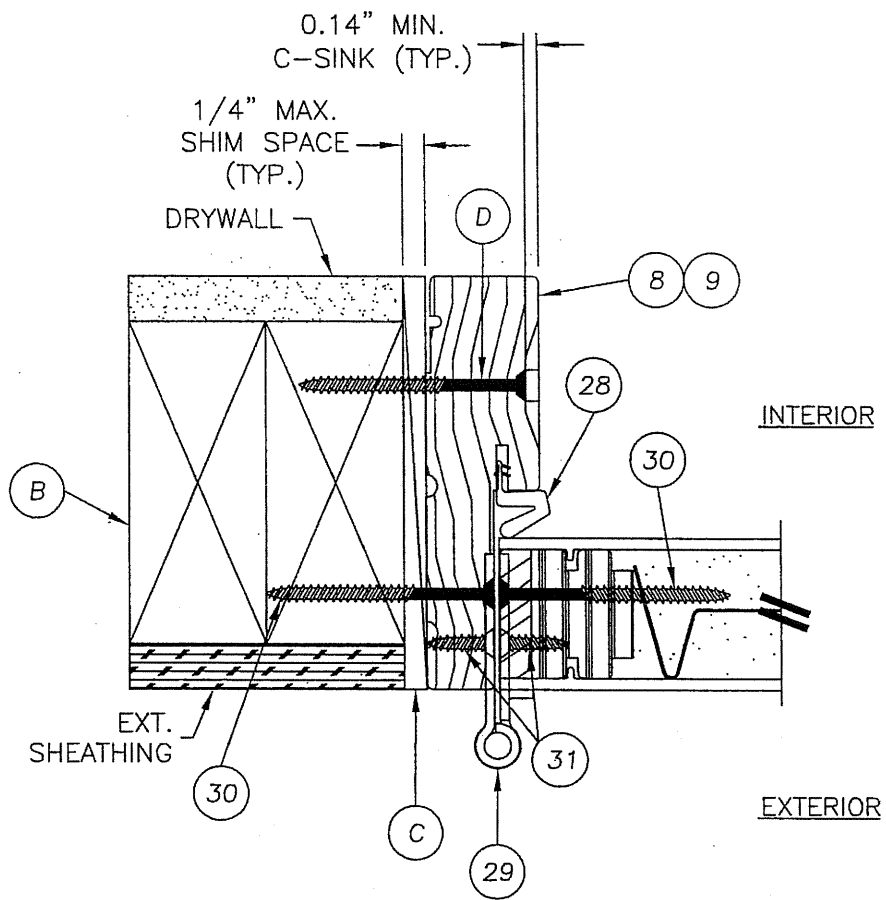
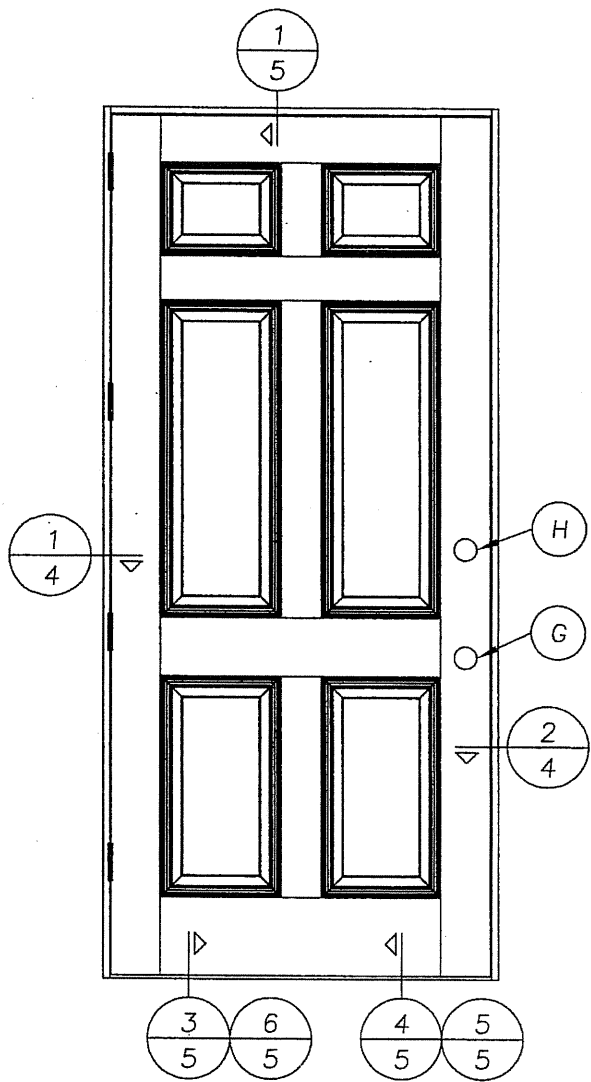
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197

Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

Certificate Of Authorization No. 9813
Remedial 2-18-07
 Wendell W. Harey, P.E. No. 54158

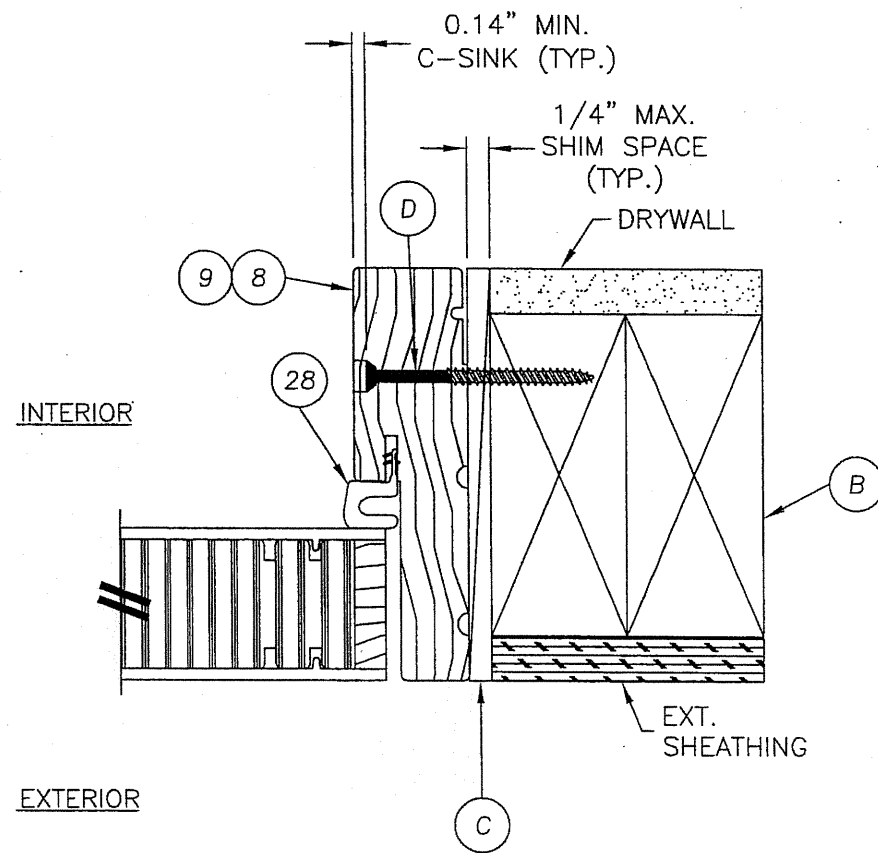
Wendell W. Harney, P.E. No. 54158

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1
4

HORIZONTAL CROSS SECTION
@ HINGE
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



2
4

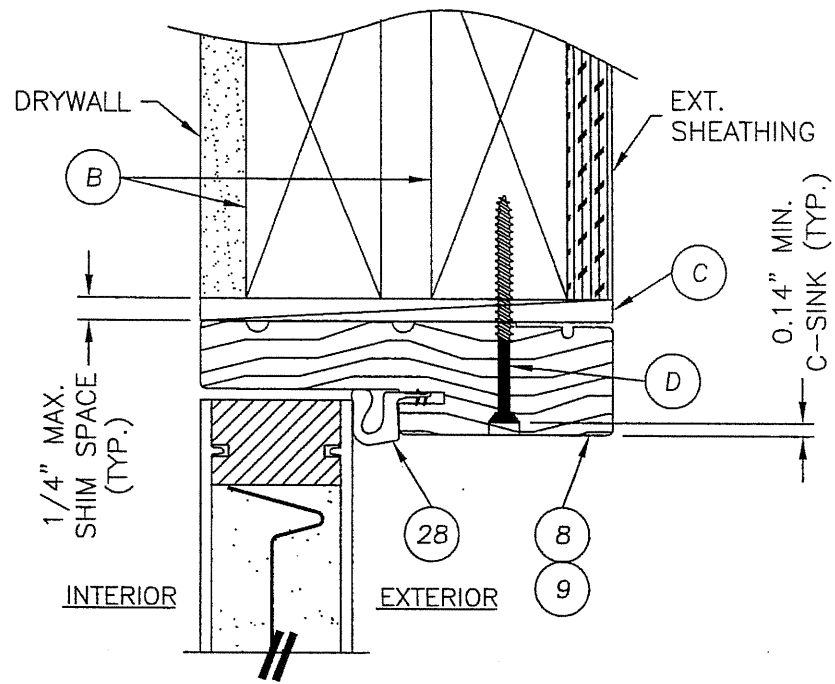
HORIZONTAL CROSS SECTION
@ LATCH
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES

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SCALE:	N.T.S.
DWG. BY:	AEM
CHK. BY:	WWH
DRAWING NO.:	TX-3172
SHEET	4 OF 7

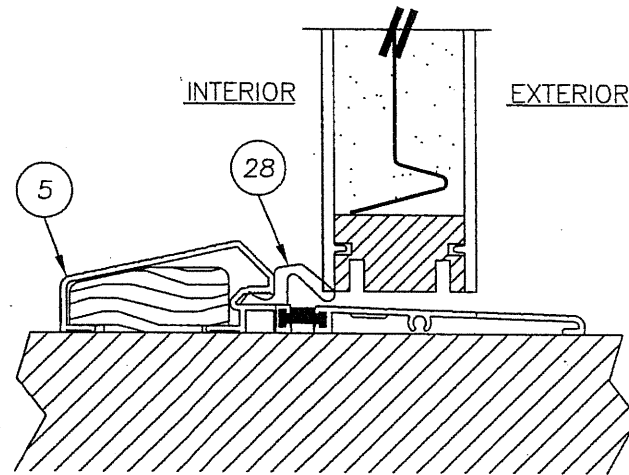
REVISIONS			
NO.	DATE	BY	

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

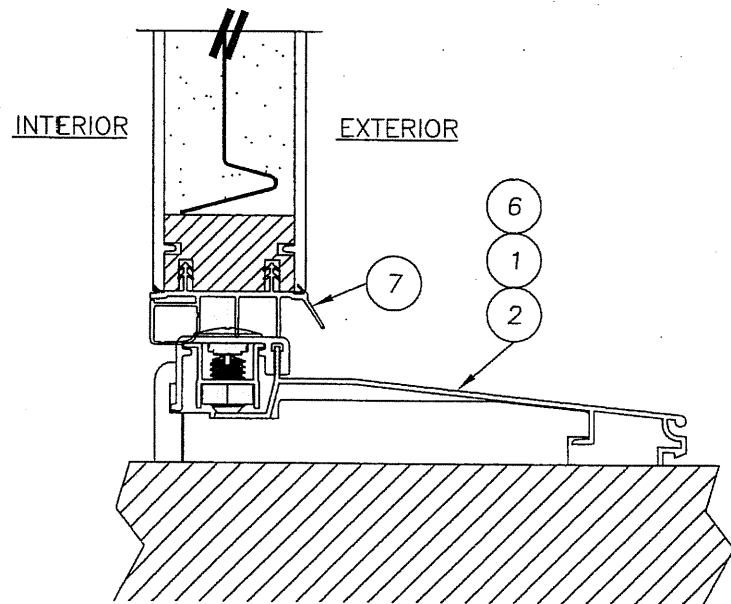
Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Hickey 2/16/07
Wendell W. Hickey, P.E. No. 54158



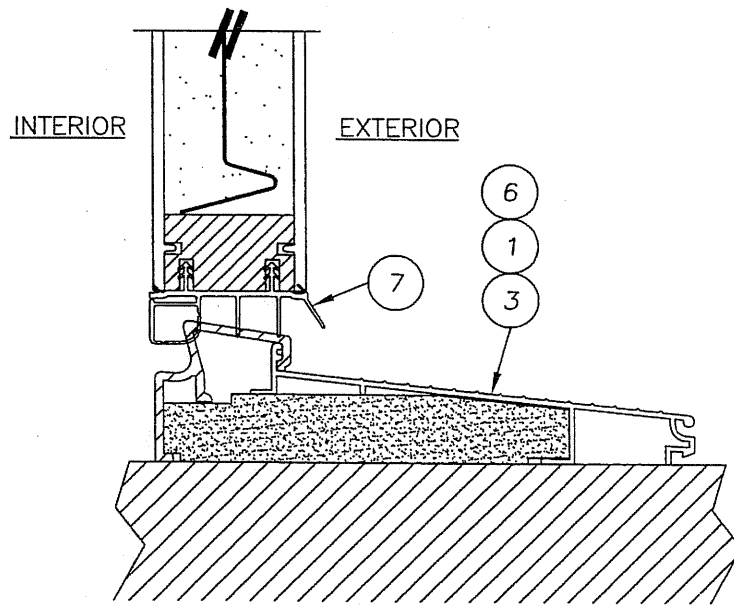
1 VERTICAL CROSS SECTION
5 @ HEAD
CLASSIC CRAFT PANEL PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



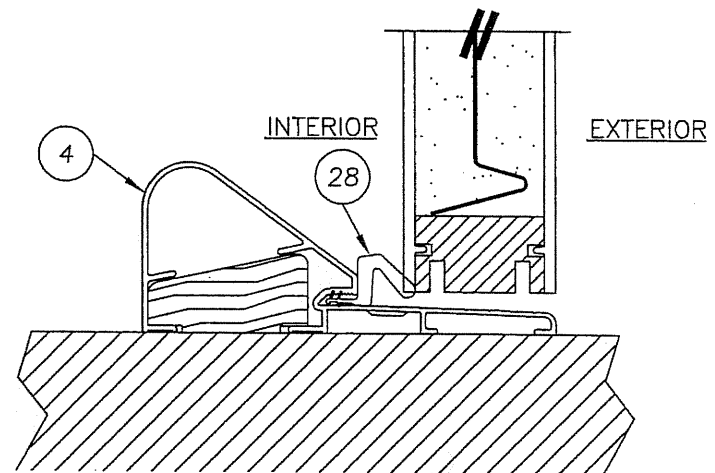
3 VERTICAL CROSS SECTION
5 @ THRESHOLD
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



4	VERTICAL CROSS SECTION
5	@ THRESHOLD CLASSIC CRAFT PANEL SHOWN SEE DOOR PANEL DETAILS FOR OPTIONAL PANEL TYPES



5 VERTICAL CROSS SECTION
5 @ THRESHOLD
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



6 VERTICAL CROSS SECTION
5 @ THRESHOLD
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES

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

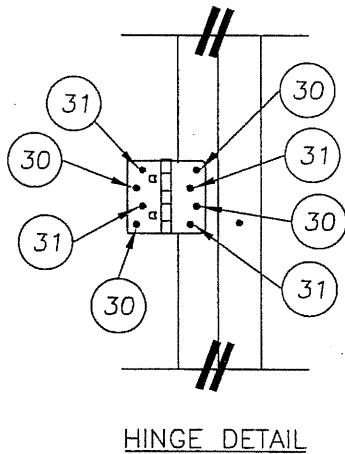
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Wendell Haney 2-16-07

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

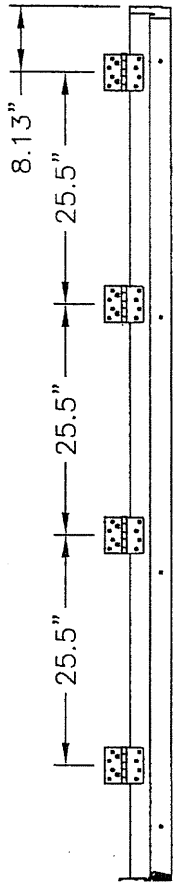
1					DATE
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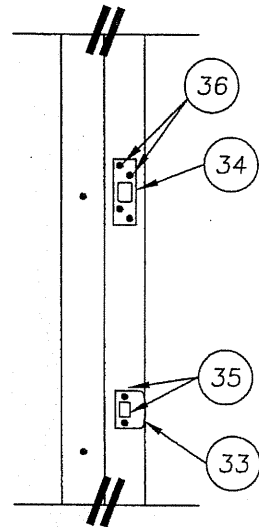
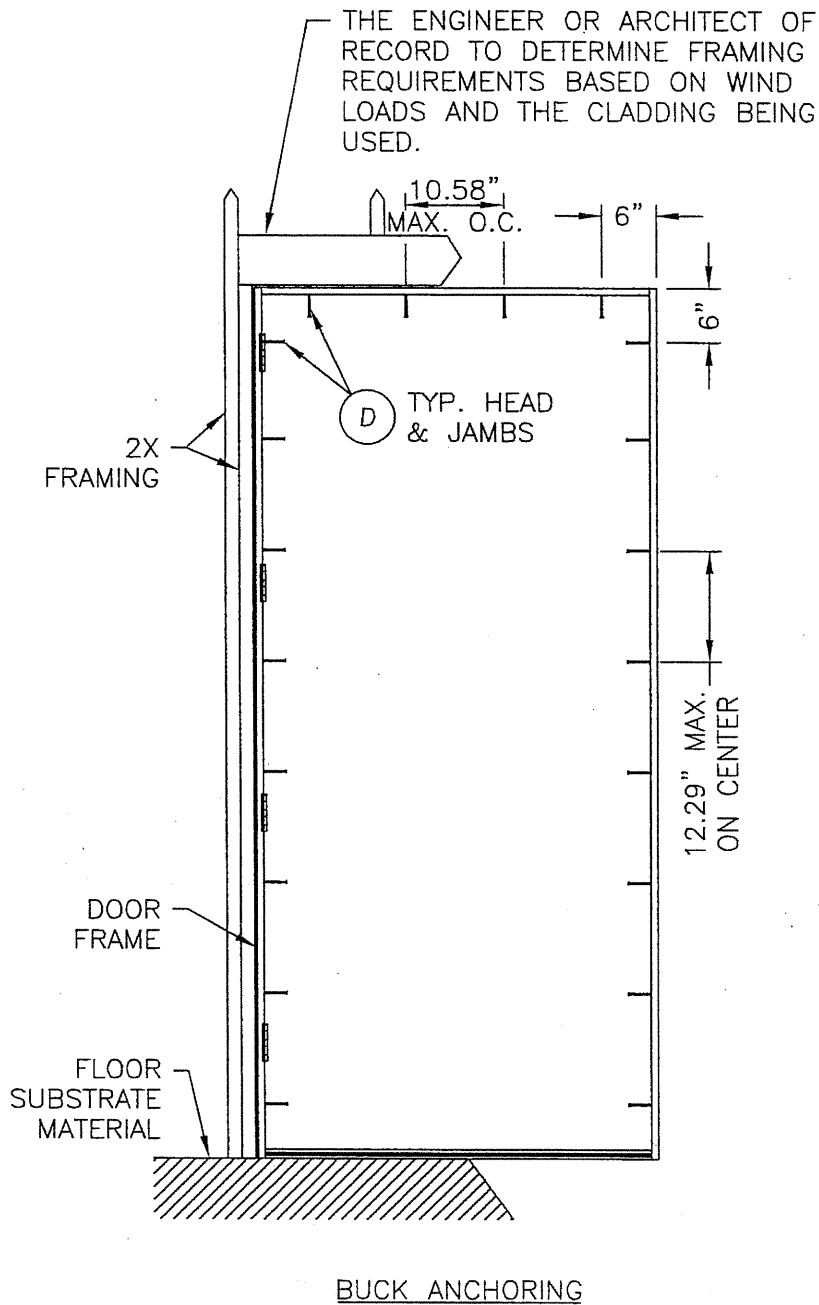
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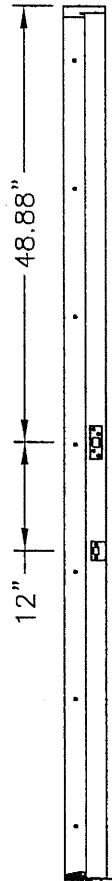
HINGE DETAIL



HINGE DETAIL



STRIKE PLATE DETAIL



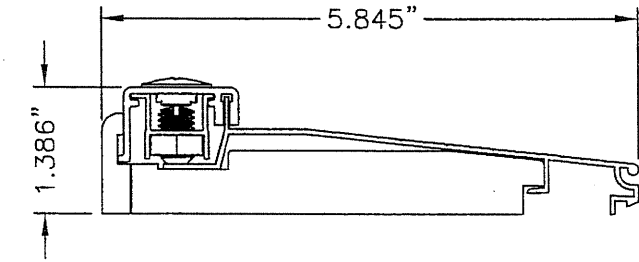
STRIKE PLATE DETAIL

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3172
SHEET 6 OF 7

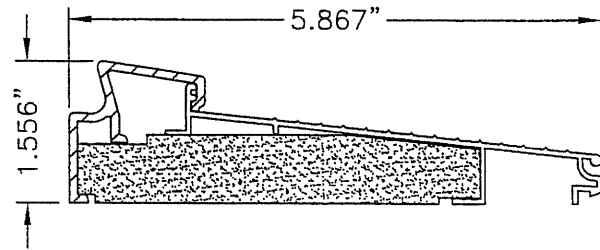
PRODUCT: SINGLE OPAQUE FIBERGLASS DOOR "IMPACT" INSWING / OUTSWING PART OR ASSEMBLY: FRAME ANCHORING

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

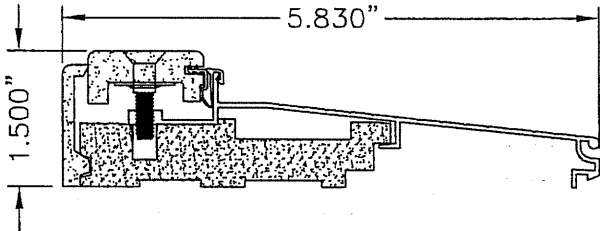
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	2X FRAMING	WOOD
C	1/4" MAX. SHIM SPACE	WOOD
D	#10 X 2-1/2" PFH WOOD SCREW	STEEL
G	KWIKSET 200 SERIES PASSAGE LOCK	STEEL
H	KWIKSET 600 SERIES DEADBOLT	STEEL
I	1/4" X 3-3/4" ITW TAPCON	STEEL
1	INSWING ADJUSTABLE THRESHOLD (IS300AJ)	ALUM./WOOD
2	INSWING THRESHOLD (IS300HP5)	-
3	INSWING SELF ADJUST THERMAL BREAK THRESHOLD (ISP30M)	ALUM./COMP.
4	OUTSWING COASTAL THRESHOLD	ALUM./WOOD
5	OUTSWING STANDARD THRESHOLD	ALUM./WOOD
6	INSWING THRESHOLD	-
7	DOOR BOTTOM SWEEP	VINYL
8	JAMB (PINE)	WOOD
9	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
36	#8 X 3" PFH SCREW	STEEL
52	DOOR BOTTOM SWEEP	VINYL



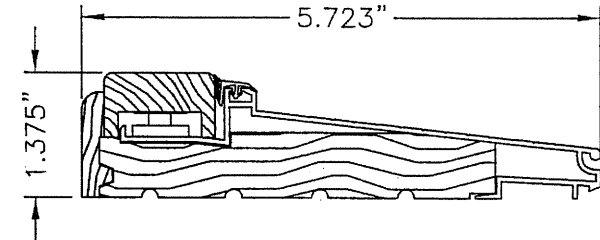
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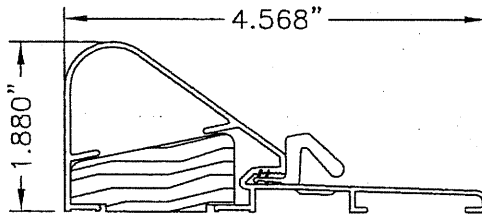
3 THRESHOLD
INSWING SELF-ADJUST



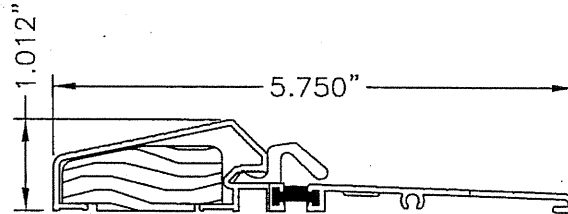
6 THRESHOLD
INSWING
MAX. DP RATING = +/- 50.0 PSF



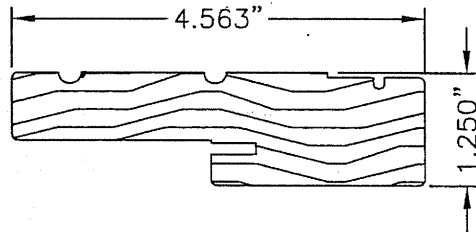
1 THRESHOLD
INSWING ADJUSTABLE



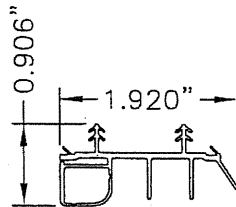
4 THRESHOLD
OUTSWING COASTAL



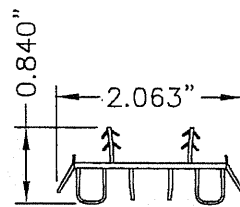
5 THRESHOLD
OUTSWING STANDARD



9 8 JAMB



7 SWEEP



52 SWEEP

Documents Prepared By:

R.W. 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. Harty 2-16-07
Wendell W. Harty, P.E. No. 54158

PRODUCT: SINGLE OPAQUE
FIBERGLASS DOOR
"IMPACT" INSWING / OUTSWING
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-3172

SHEET 7 OF 7

THERMA TRU®

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

CLASSIC CRAFT & CLASSIC CRAFT RUSTIC

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

EVALUATED FOR USE IN THE STATE OF TEXAS

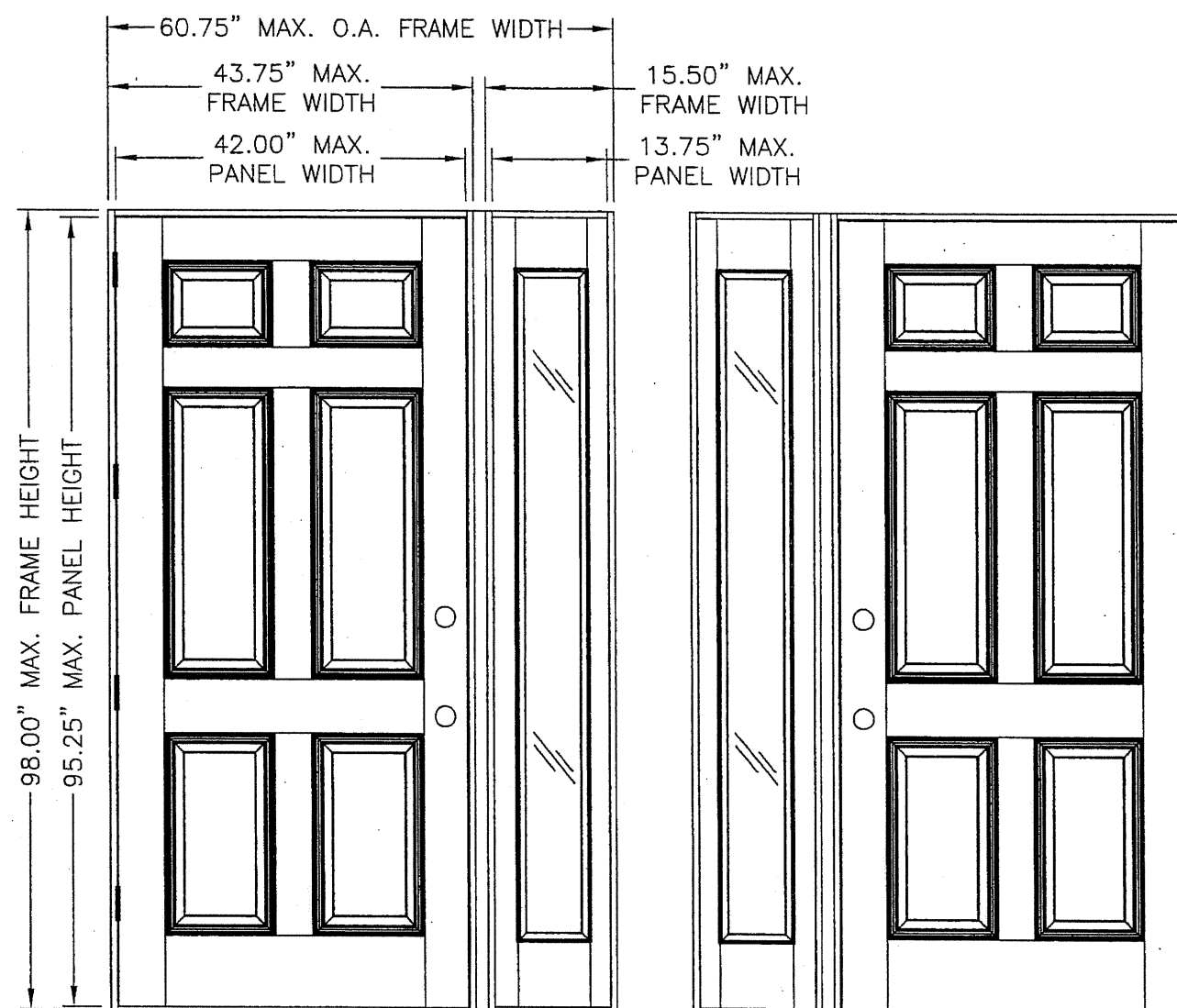
THE THERMA-TRU FIBERGLASS DOOR DESCRIBED HEREIN COMPLIES WITH THE INTERNATIONAL RESIDENTIAL CODE (IRC), SECTIONS R301 & R613 AND THE INTERNATIONAL BUILDING CODE (IBC), SECTIONS 1714.5 1405.12, 1609, 2403 AND 2404 (INCLUDING TEXAS REVISIONS) SUBJECT TO THE FOLLOWING CONDITIONS:

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 Door Panel 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. The Sidelite Panel does not meet impact resistant requirements and must be protected with an impact resistant covering in compliance with sections R301.2.1.2 and 1609.1.4. 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 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, dated October 31, 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 Thermo-Tru Corporation. is manufacturing products within a Quality Assurance program.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES
2	DOOR PANEL DETAILS (CLASSIC CRAFT)
3	DOOR PANEL DETAILS (CLASSIC CRAFT RUSTIC)
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



"CLASSIC CRAFT" & "CLASSIC CRAFT RUSTIC"

DOOR TYPE	SWING	OVERALL FRAME DIMENSION	OVERALL SIDELITE D.L.O. DIMENSION	DESIGN PRESSURE	
				POSITIVE	NEGATIVE
CLASSIC CRAFT	OUTSWING	60.75" X 96.50"	6.75"	+65.0	-65.0
	INSWING	60.75" X 98.00"		+65.0	-65.0
RUSTIC	OUTSWING	60.75" X 96.50"	X	+65.0	-65.0
	INSWING	60.75" X 98.00"	79.00"	+65.0	-65.0

Documents Prepared By:

Documents Prepared by:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

Wendell W. Honeywell, Jr. No. 54158
Certificate Of Authorization No. 9813
2-16-07

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

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

REVISIONS

DATE: 12/15/06

SCALE: N.T.S.

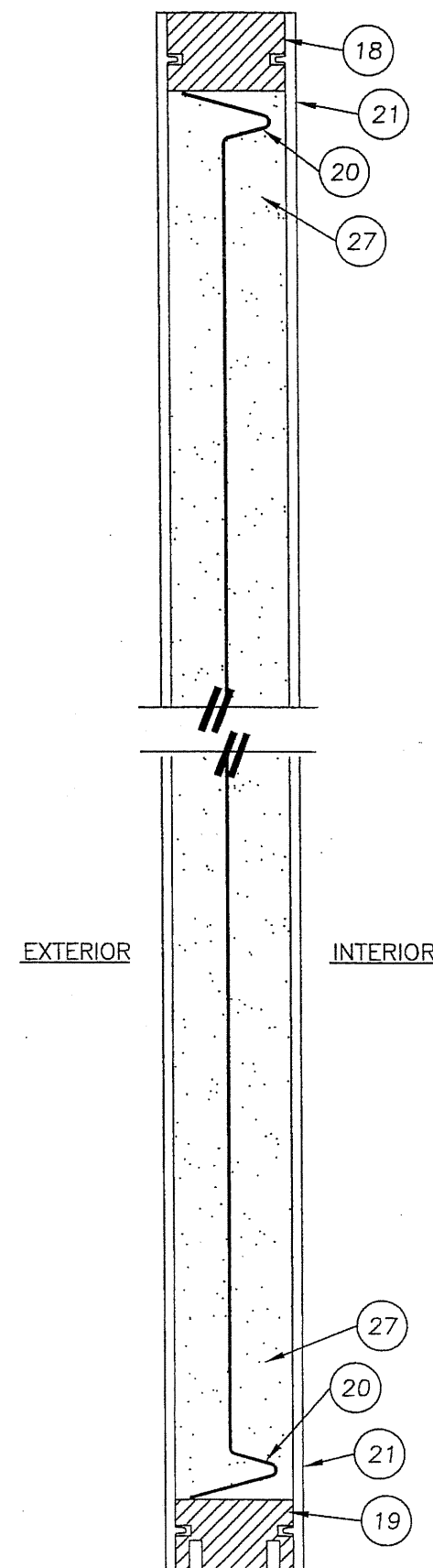
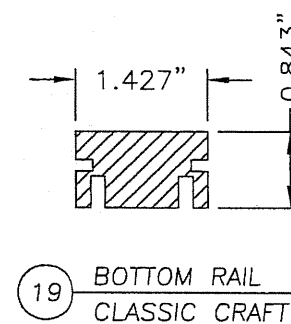
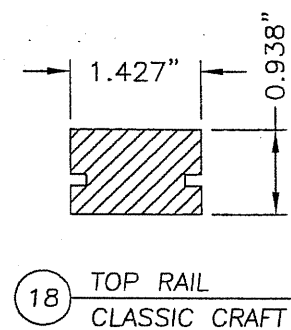
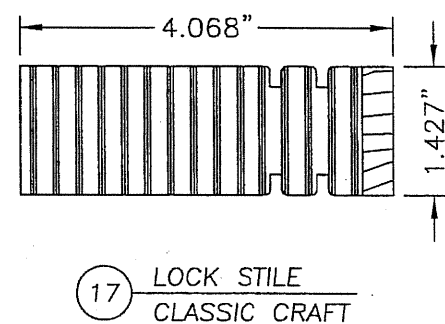
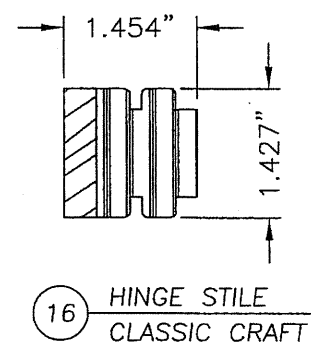
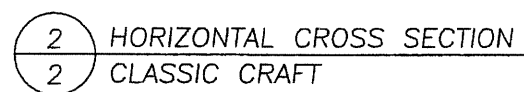
DWG. BY: AEM

CHK BY: W/W/H

DRAWING NO.:

TX-3173

SHEET 1 OF 10



1	VERTICAL CROSS SECTION
2	CLASSIC CRAFT

[illegible]

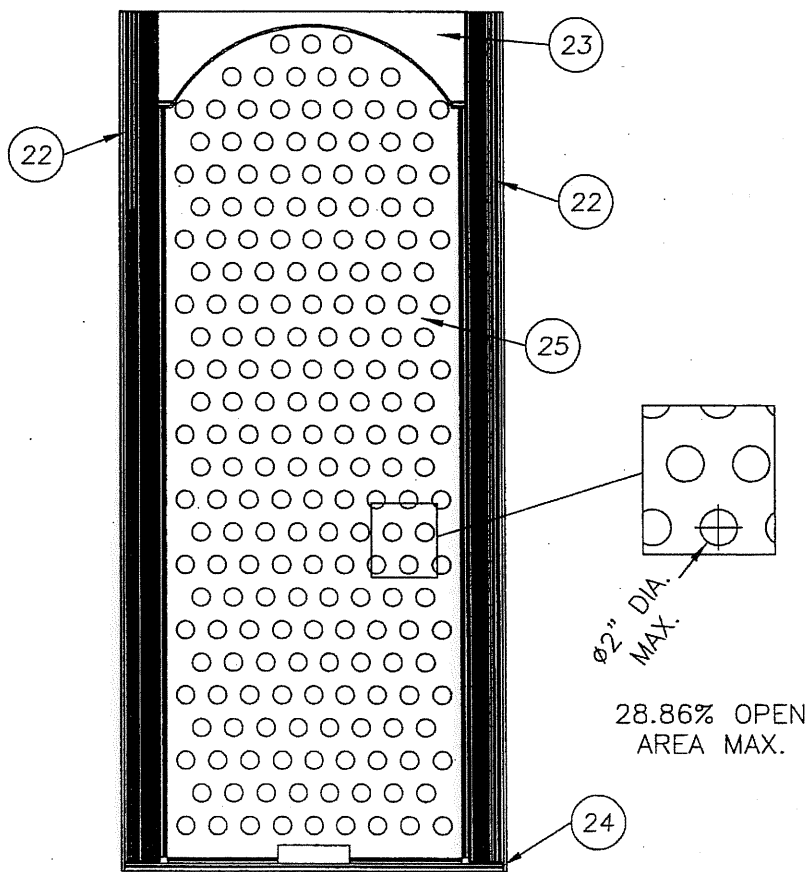
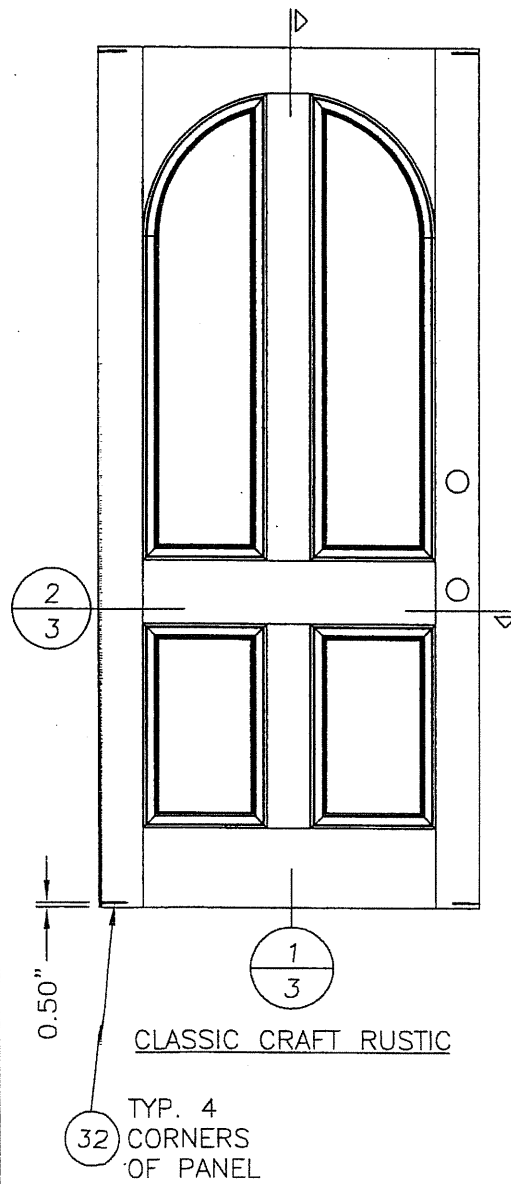
Documents Prepared By:

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

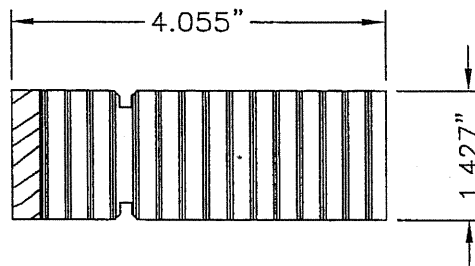
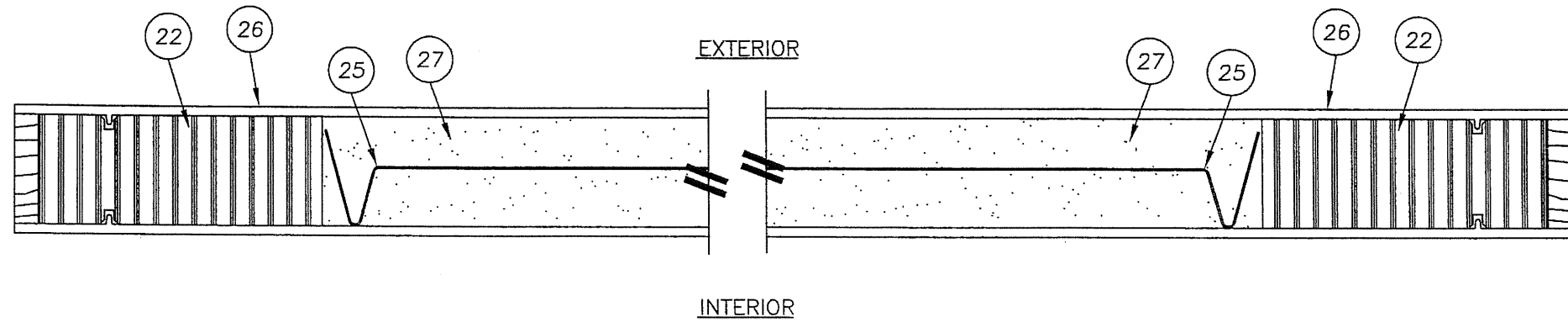
Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
Annexed 2-16-07
 Wendell W. Haney, P.E. No. 54158

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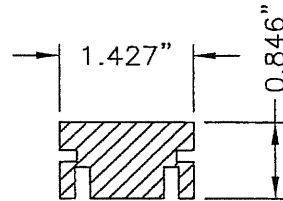


28.86% OPEN
AREA MAX.

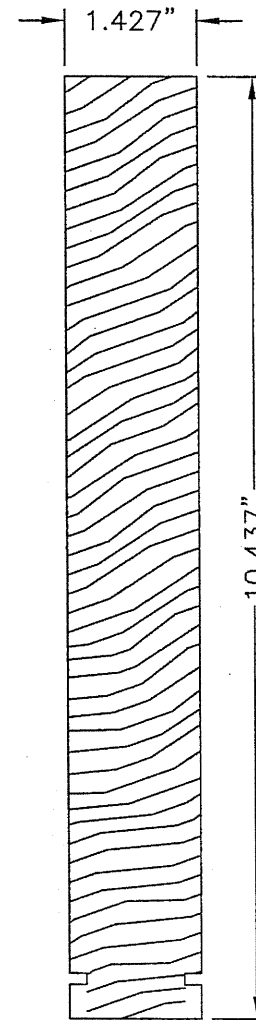
2 HORIZONTAL CROSS SECTION
3 CLASSIC CRAFT RUSTIC



22 LOCK & HINGE STILE
CLASSIC CRAFT RUSTIC



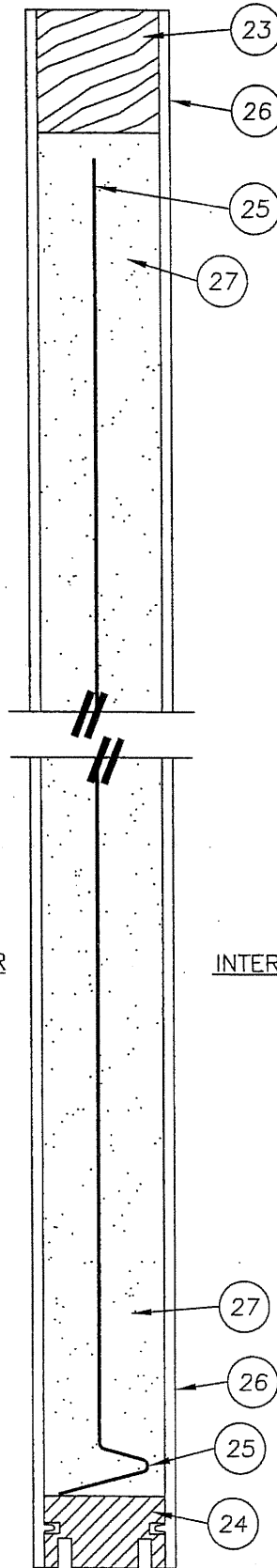
24 BOTTOM RAIL
CLASSIC CRAFT RUSTIC



23 TOP RAIL
CLASSIC CRAFT RUSTIC

EXTERIOR

INTERIOR

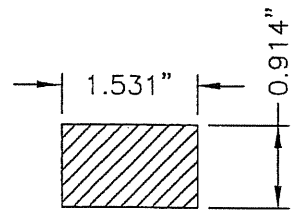
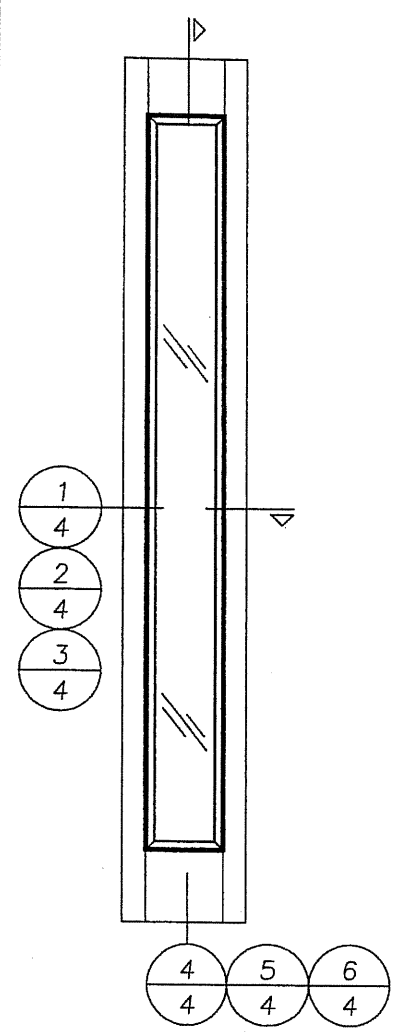


1 VERTICAL CROSS SECTION
3 CLASSIC CRAFT RUSTIC

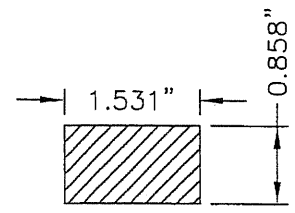
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PART OR ASSEMBLY:		DOOR PANEL DETAILS (CLASSIC CRAFT RUSTIC)	
DATE: 12/15/06		BY	
SCALE: N.T.S.		NO.	
DWG. BY: AEM		DATE	
CHK. BY: WWH		REVISIONS	
DRAWING NO.: TX-3173			
SHEET 3 OF 10			

Documents Prepared By:
R.W. 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. Hapay 2-16-07
Wendell W. Hapay, P.E. No. 54158

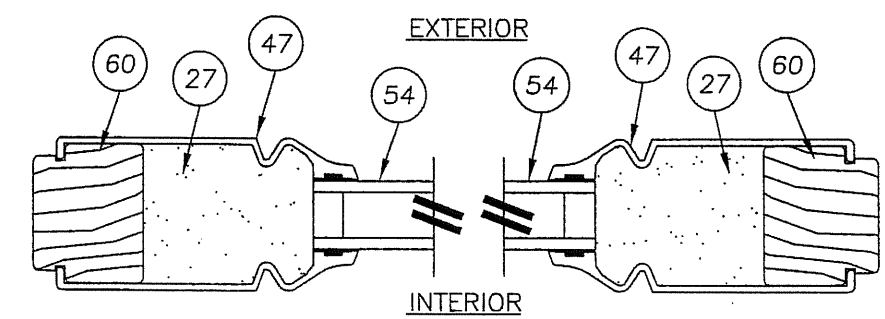
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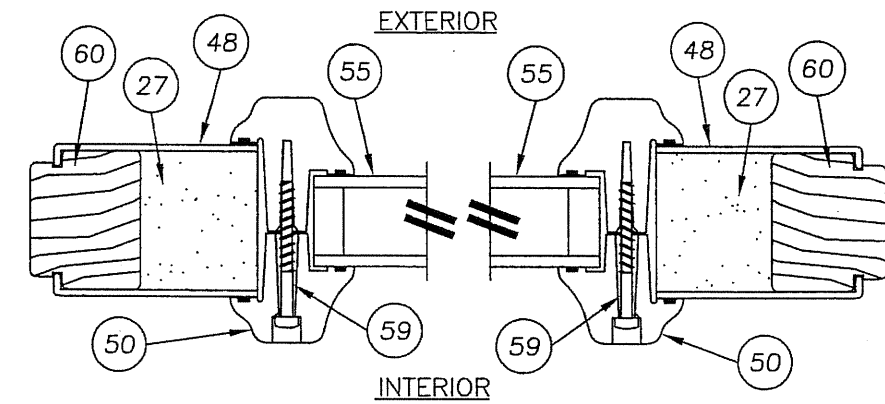
45 TOP RAIL
SIDELITE



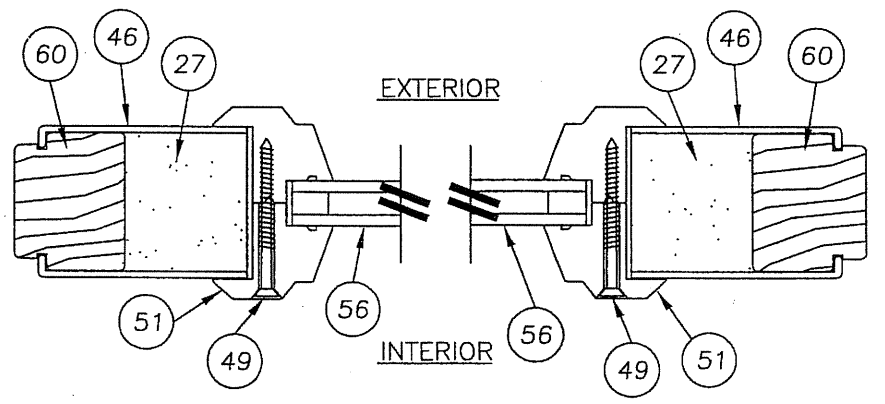
61 BOTTOM RAIL
SIDELITE



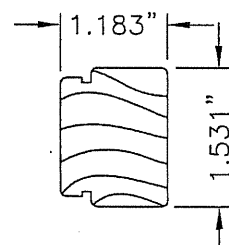
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4 (CLASSIC CRAFT)



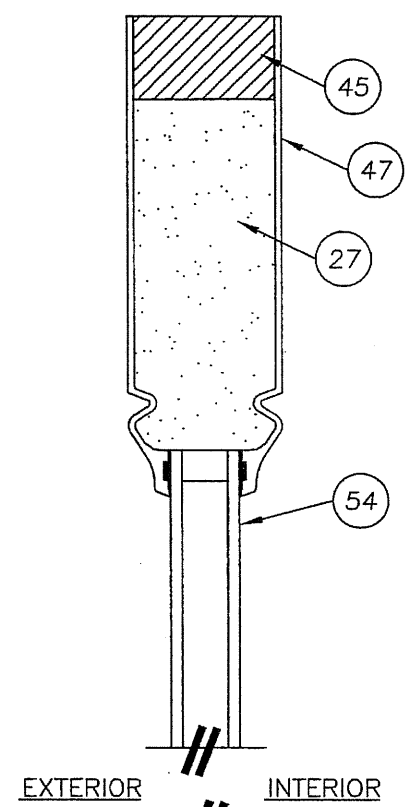
2 HORIZONTAL CROSS SECTION
4 (FIBER CLASSIC)



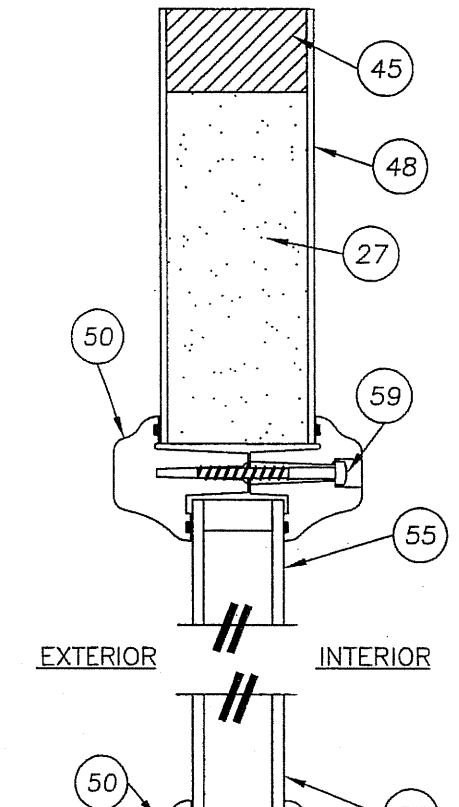
3 HORIZONTAL CROSS SECTION
4 (SMOOTH STAR)



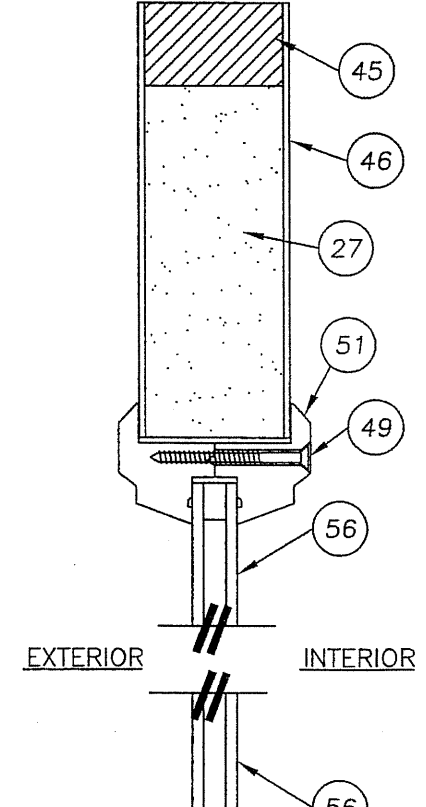
60 STILE
SIDELITE



4 VERTICAL CROSS SECTION
4 (CLASSIC CRAFT)



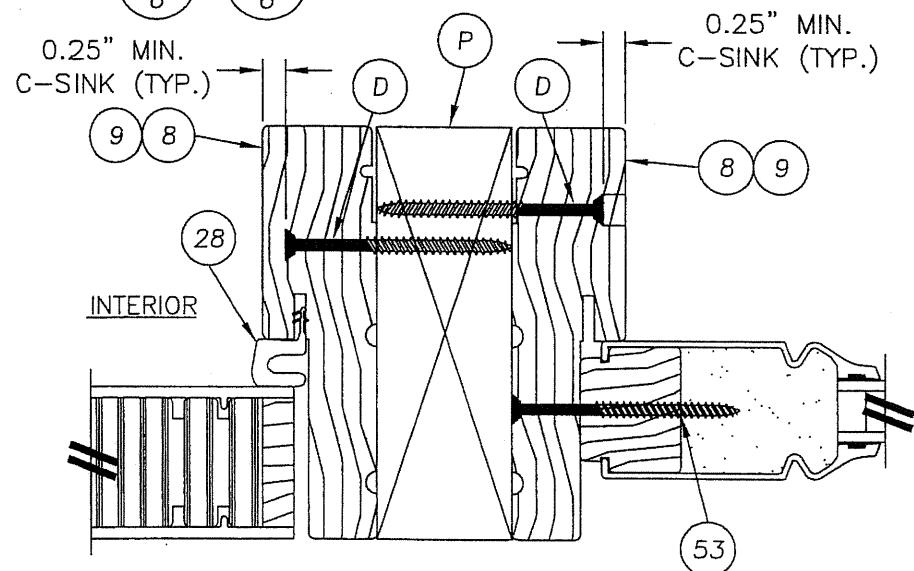
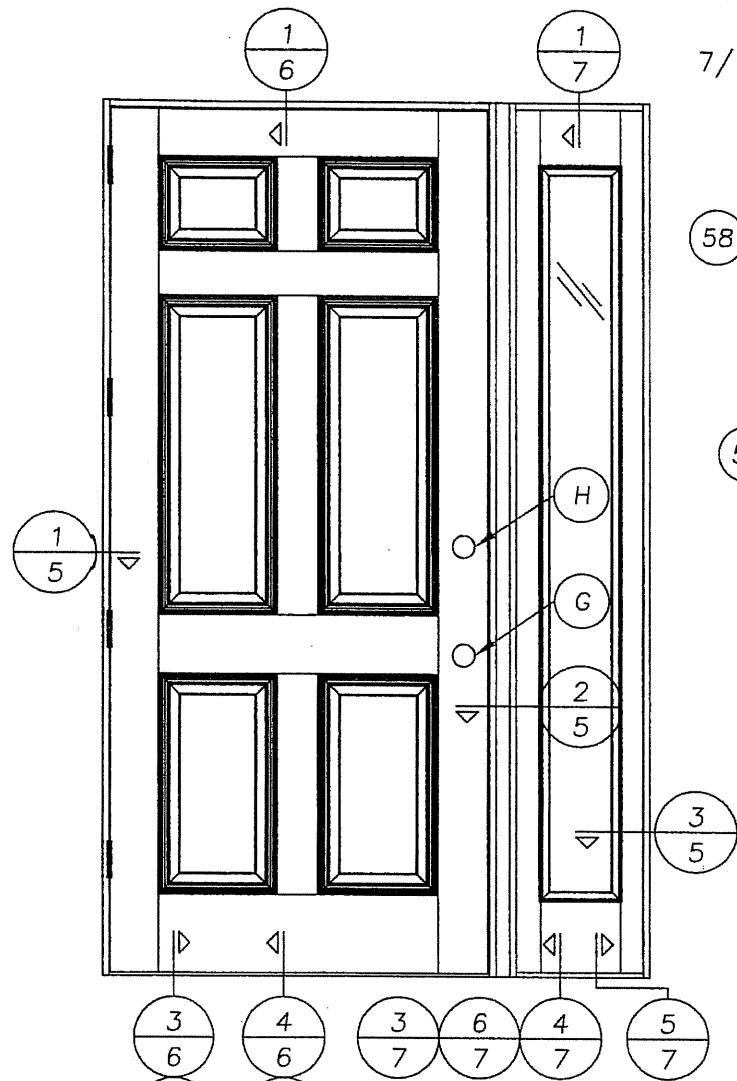
5 VERTICAL CROSS SECTION
4 (FIBER CLASSIC)



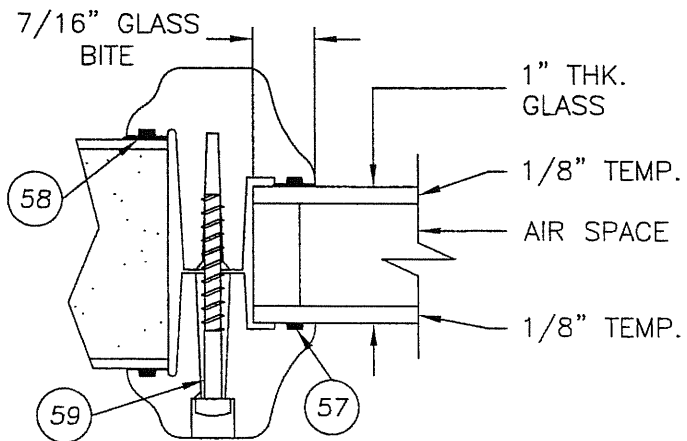
6 VERTICAL CROSS SECTION
4 (SMOOTH STAR)

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 <i>Wendell W. Boney</i> 2/16/07 Wendell W. Boney, P.E. No. 54158		PRODUCT: SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITE "IMPACT" INSWING / OUTSWING PART OR ASSEMBLY: SIDELITE PANEL DETAILS		REVISIONS	
NO.	DATE	BY			
DATE: 12/15/06					
SCALE: N.T.S.					
DWG. BY: AEM					
CHK. BY: WWH					
DRAWING NO.: TX-3173					
SHEET 4 OF 10					

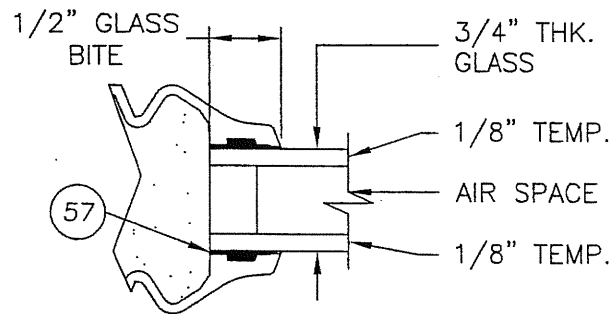
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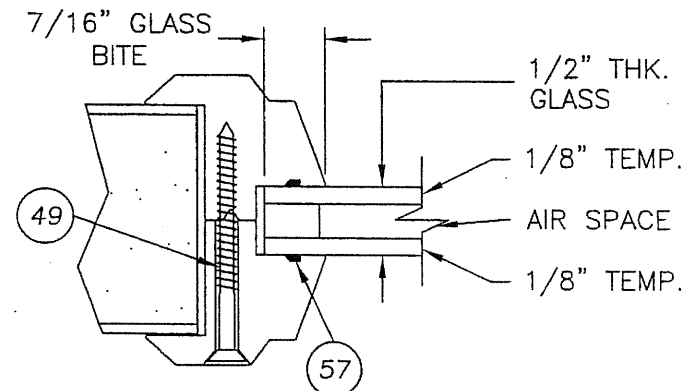
2 HORIZONTAL CROSS SECTION
@ LATCH
CLASSIC CRAFT PANEL SHOWN
SEE PANEL DETAILS FOR
OPTIONAL PANEL TYPES



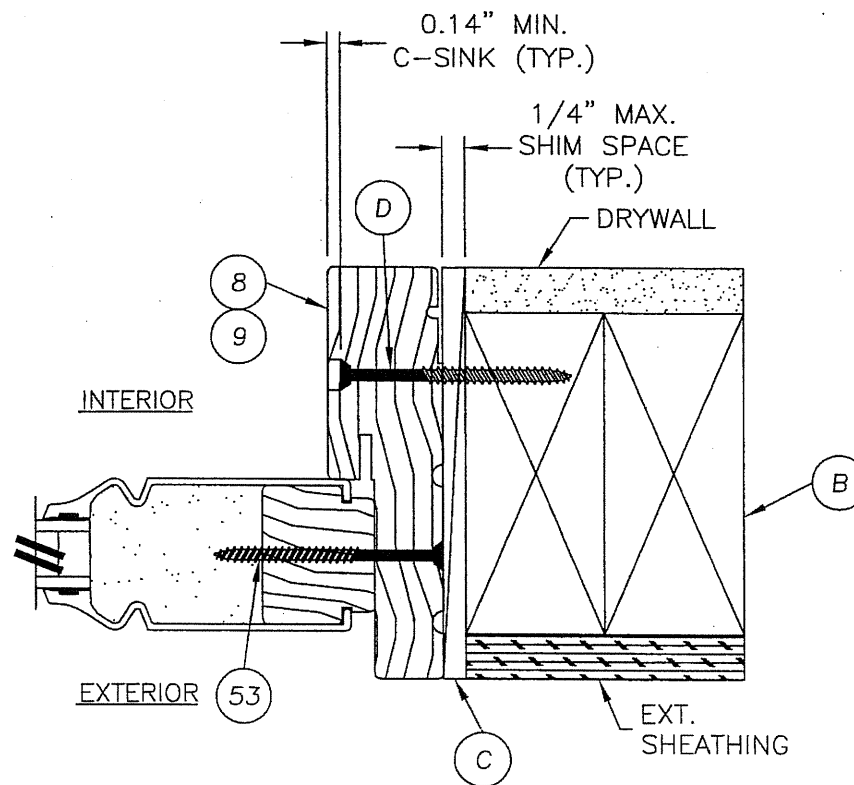
55 GLAZING DETAIL
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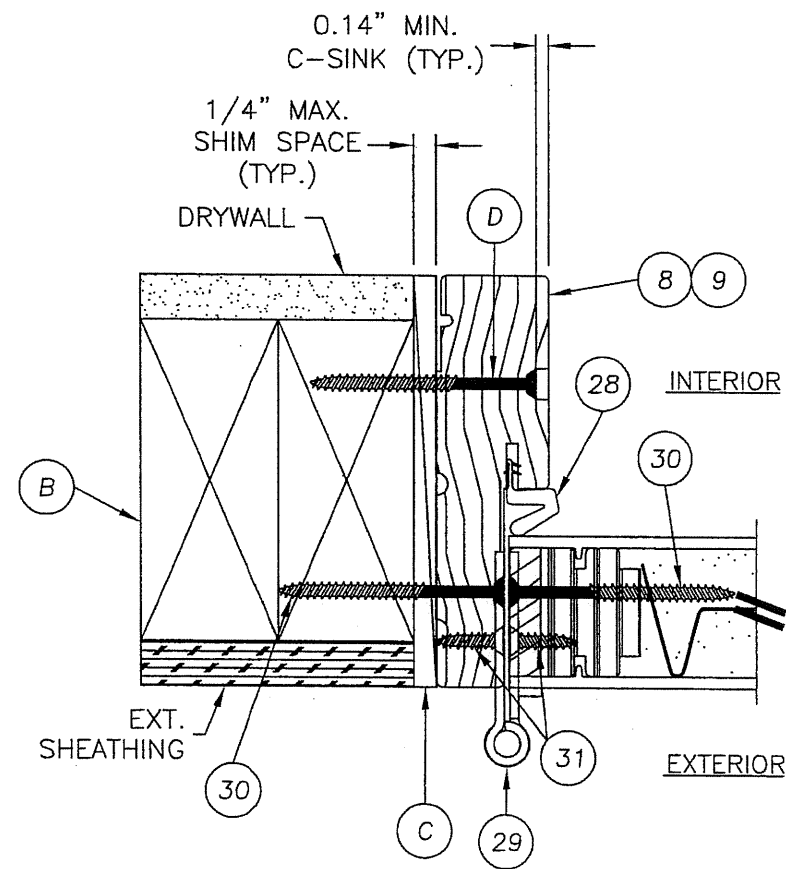
54 GLAZING DETAIL
3/4\"/>



56 GLAZING DETAIL
1/2\"/>



3 HORIZONTAL CROSS SECTION
@ SIDELITE
CLASSIC CRAFT PANEL SHOWN
SEE SIDELITE PANEL DETAILS FOR
OPTIONAL PANEL TYPES



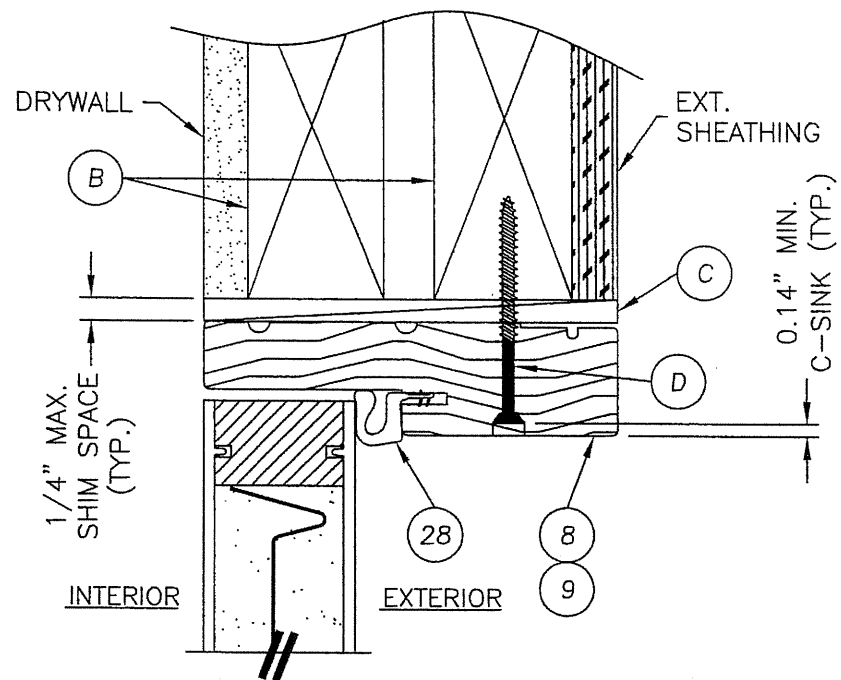
1 HORIZONTAL CROSS SECTION
@ HINGE
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES

PRODUCT: SINGLE OPAQUE
FIBERGLASS DOOR W/SIDELITE
"IMPACT" INSING / OUTSWING
PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS
& GLAZING DETAILS

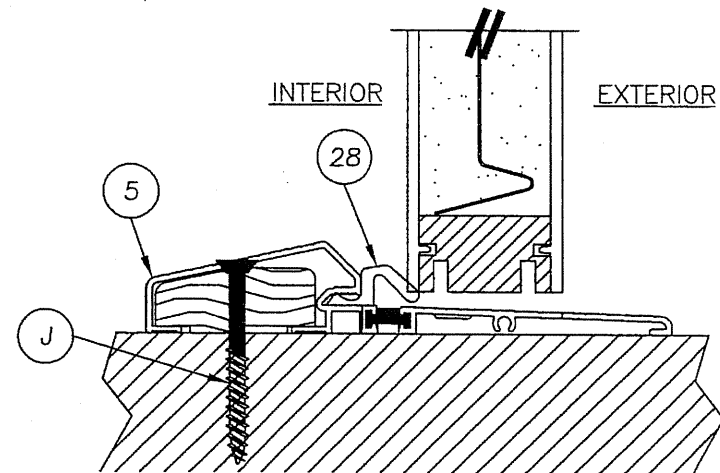
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SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3173
SHEET 5 OF 10

Documents Prepared By:

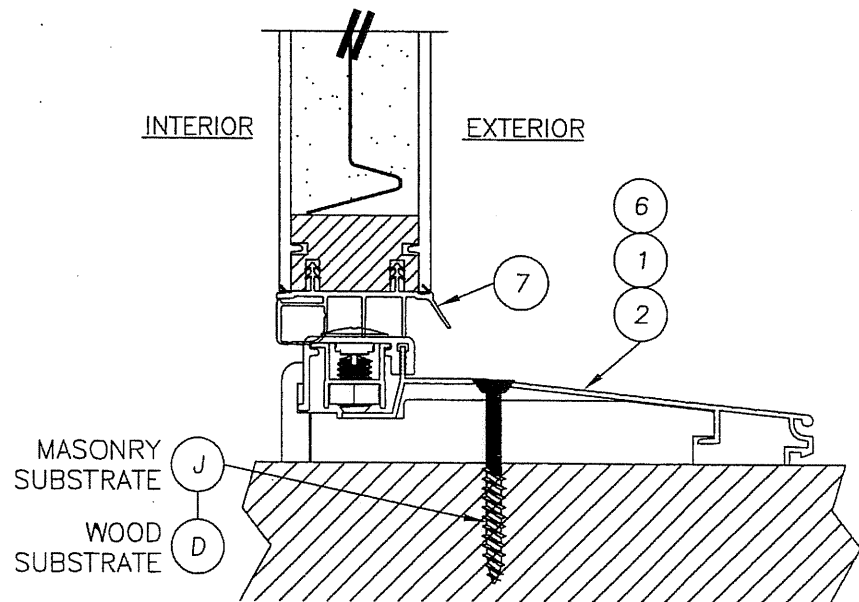
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Haney P.E. No. 54158
2-16-07



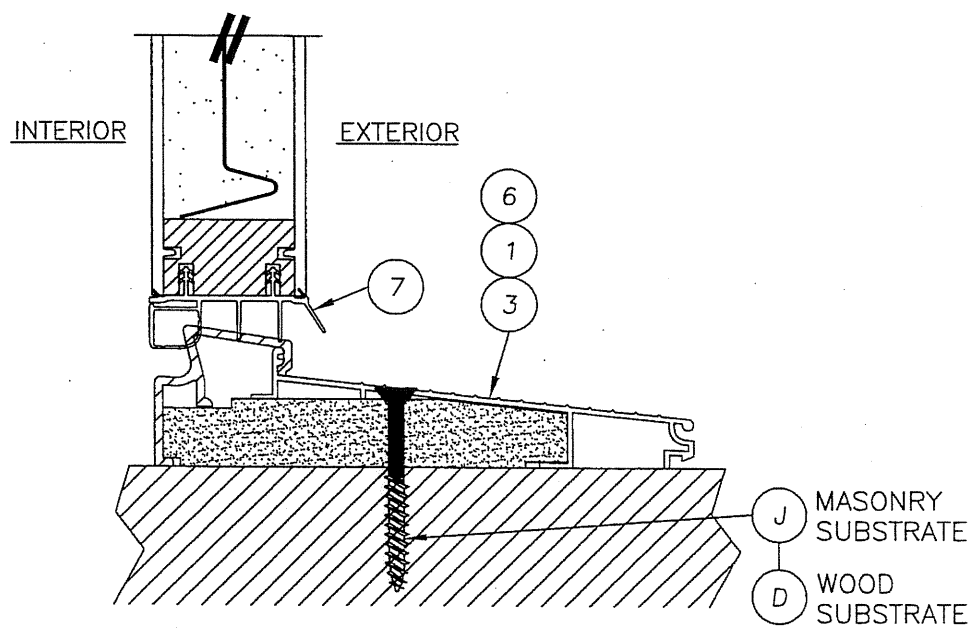
1 VERTICAL CROSS SECTION
6 @ HEAD
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



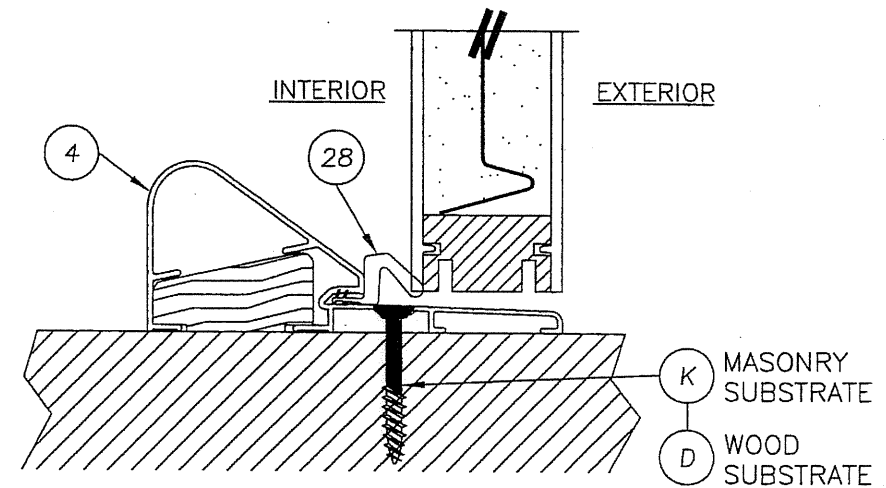
3 VERTICAL CROSS SECTION
6 @ THRESHOLD
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



4 VERTICAL CROSS SECTION
6 @ THRESHOLD
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



5 VERTICAL CROSS SECTION
6 @ THRESHOLD
CLASSIC CRAFT PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



6 VERTICAL CROSS SECTION

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

Documents Prepared By:

R²W BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197

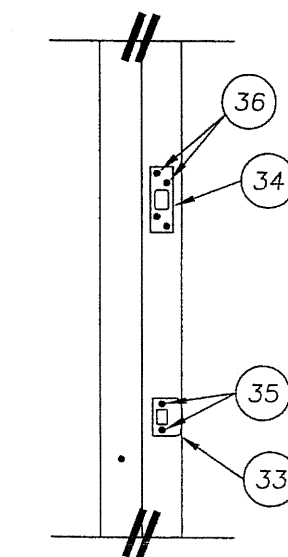
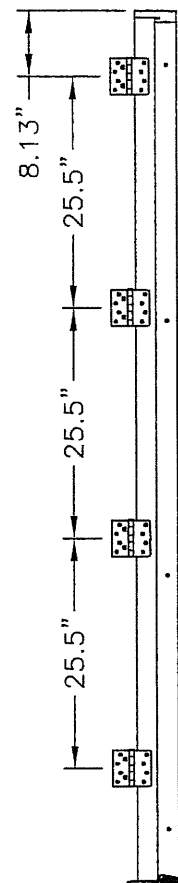
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

Wendell W. Harney, P.E., No. 54158
2-16-07

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DATE: 12/15/06		REVISIONS	
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: WWH			
DRAWING NO.: TX-3173			
SHEET 6 OF 10			
PRODUCT: SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITE "IMPACT" INSWING / OUTSWING			
PART OR ASSEMBLY:			
VERTICAL CROSS SECTIONS			
BY			
NO.		DATE	

HINGE DETAIL



STRIKE PLATE DETAIL

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

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.

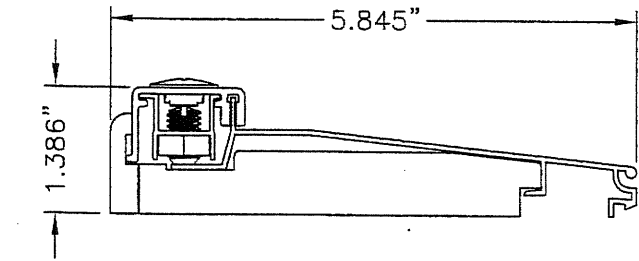
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Documents Prepared By:

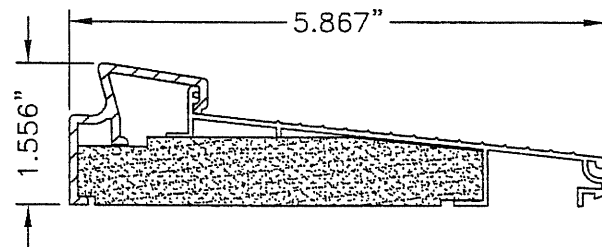
Documents Prepared by:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL, 33595
Phone No.: 813.659.9197

Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

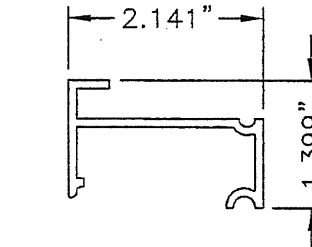
Wendell W. Haney, P.E. No. 54158



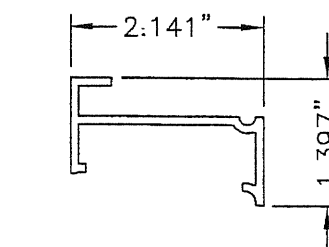
2 THRESHOLD
INSWING ADJUSTABLE



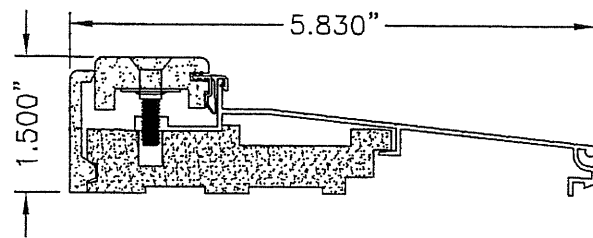
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INSWING SELF-ADJUST



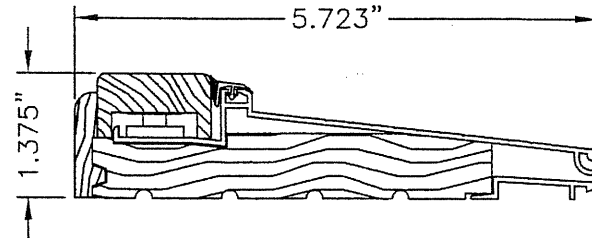
41 INSWING SIDELITE
SPACER



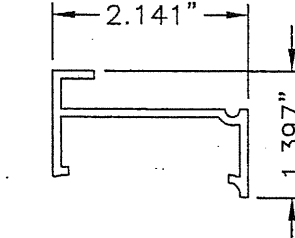
43 INSWING SIDELITE
SPACER



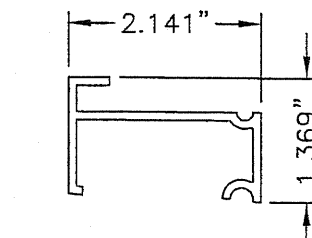
6 THRESHOLD
INSWING
MAX. DP RATING = +/- 50.0 PSF



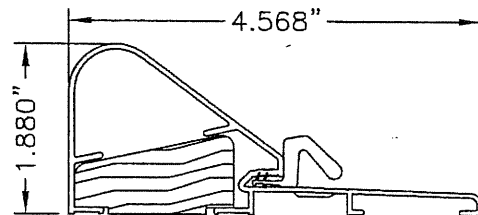
1 THRESHOLD
INSWING ADJUSTABLE



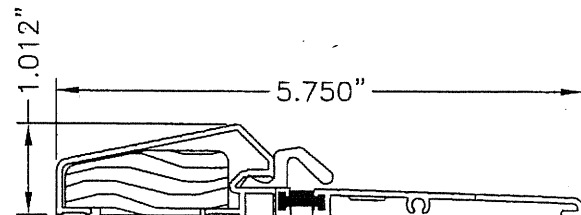
40 INSWING SIDELITE
SPACER



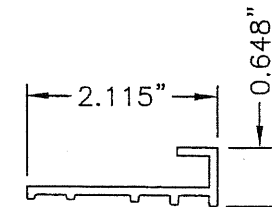
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SPACER



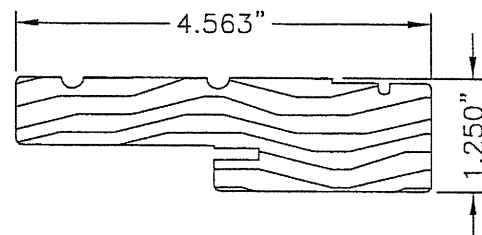
4 THRESHOLD
OUTSWING COASTAL



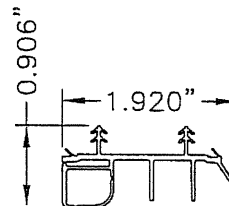
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OUTSWING STANDARD



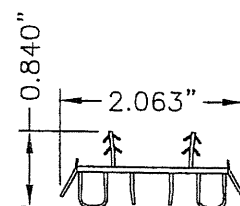
44 OUTSWING SIDELITE
SPACER



9 8 JAMB



7 SWEEP



52 SWEEP

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3173
SHEET 9 OF 10

PRODUCT: SINGLE OPAQUE
FIBERGLASS DOOR W/SIDELITE
"IMPACT" INSWING / OUTSWING
PART OR ASSEMBLY: COMPONENTS

Documents Prepared By:

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. Hgley, P.E. 2-16-07
No. 54158

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

EVALUATED FOR USE IN THE STATE OF TEXAS

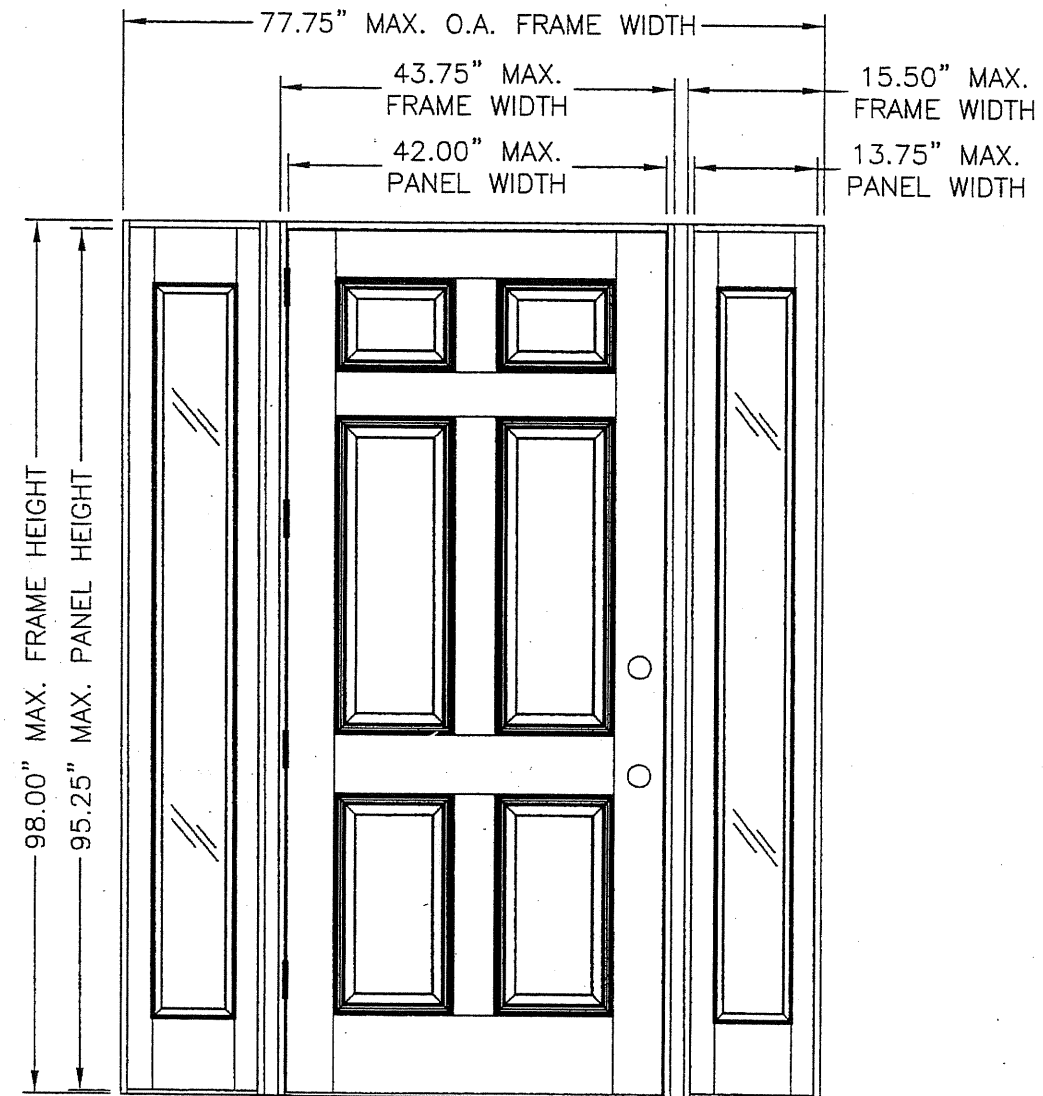
THE THERMA-TRU FIBERGLASS DOOR DESCRIBED HEREIN COMPLIES WITH THE INTERNATIONAL RESIDENTIAL CODE (IRC), SECTIONS R301 & R613 AND THE INTERNATIONAL BUILDING CODE (IBC), SECTIONS 1714.5 1405.12, 1609, 2403 AND 2404 (INCLUDING TEXAS REVISIONS) SUBJECT TO THE FOLLOWING CONDITIONS:

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 Door Panel 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. The Sidelite Panels do not meet impact resistant requirements and must be protected with an impact resistant covering in compliance with sections R301.2.1.2 and 1609.1.4. 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 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, dated October 31, 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 ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES
2	DOOR PANEL DETAILS (CLASSIC CRAFT)
3	DOOR PANEL DETAILS (CLASSIC CRAFT RUSTIC)
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



"CLASSIC CRAFT" & "CLASSIC CRAFT RUSTIC"

DOOR TYPE	SWING	OVERALL FRAME DIMENSION	OVERALL SIDELITE D.L.O. DIMENSION	DESIGN PRESSURE	
				POSITIVE	NEGATIVE
CLASSIC CRAFT	OUTSWING	77.75" X 96.50"	6.75"	+65.0	-65.0
	INSWING	77.75" X 98.00"		+65.0	-65.0
RUSTIC	OUTSWING	77.75" X 96.50"	79.00"	+65.0	-65.0
	INSWING	77.75" X 98.00"		+65.0	-65.0

Documents Prepared By:

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Florida Board of Professional Engineers
Certificate of Authorization No. 9813

Wendell W. Haney, P.E. No. 54158
2-16-07

PRODUCT: SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITES "IMPACT" INSWING / OUTSWING
PART OR ASSEMBLY:
TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	BY	REVISIONS

DATE: 12/15/06

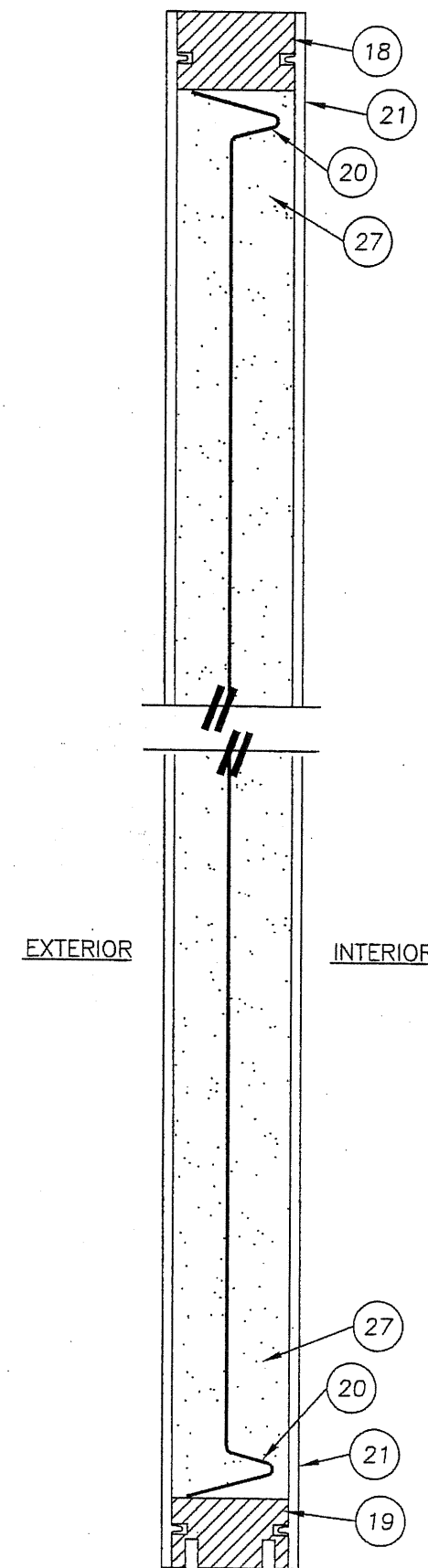
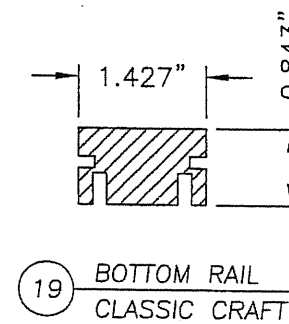
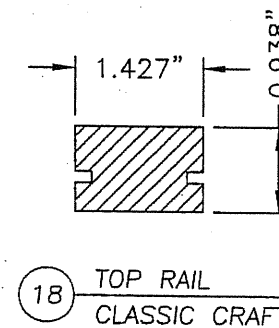
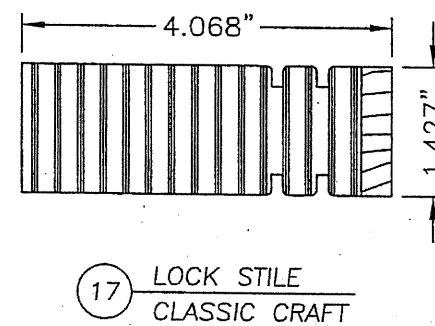
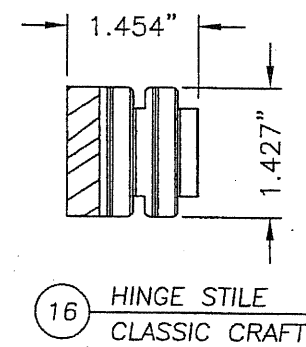
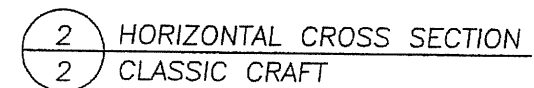
SCALE: N.T.S.

DWG. BY: AEM

CHK. BY: WWH

DRAWING NO.: TX-3174

SHEET 1 OF 10



1	VERTICAL CROSS SECTION
2	CLASSIC CRAFT

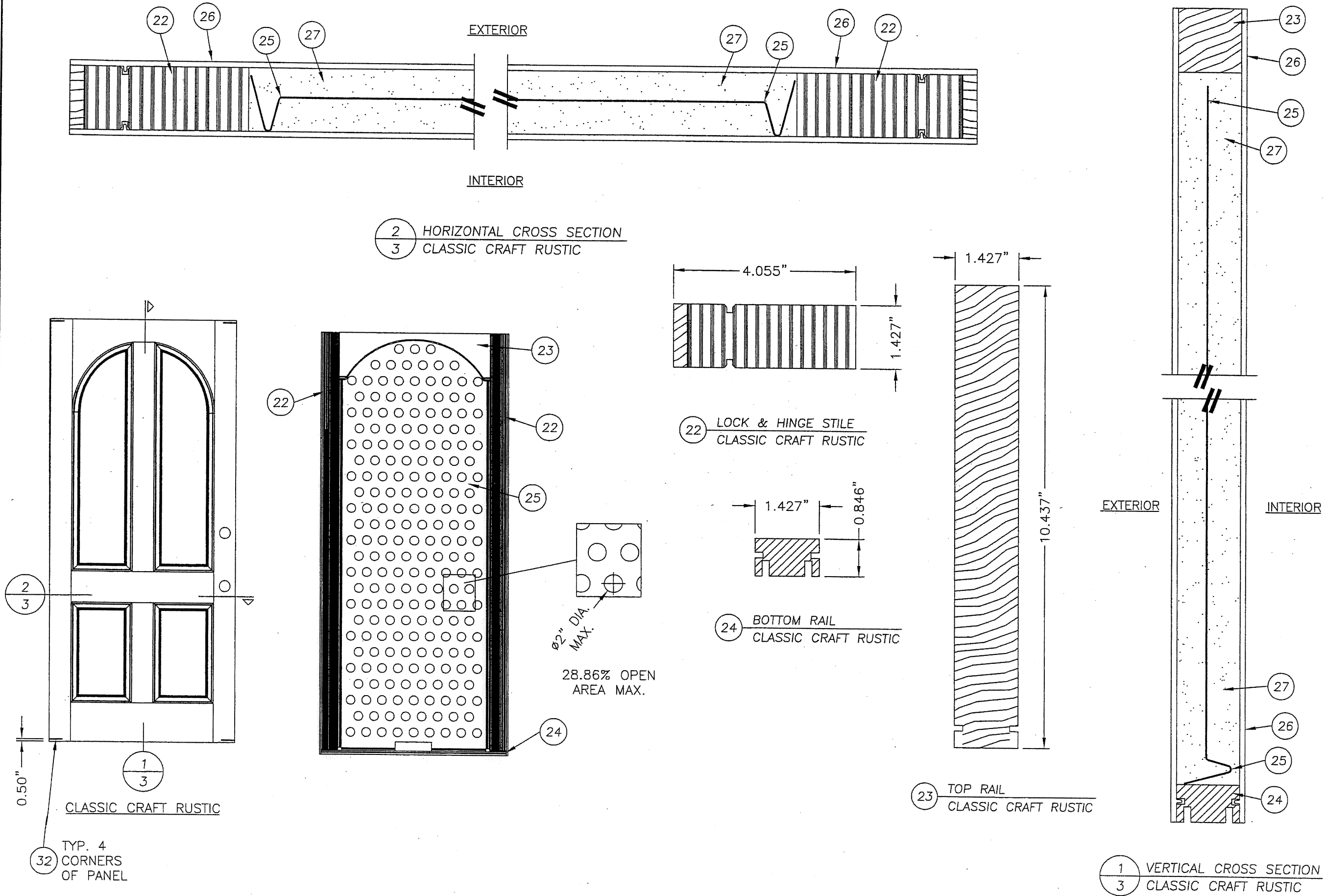
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Documents Prepared By:

Documents Prepared by:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197

Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

Wendell W. Haney, V.E. No. 54158
Wendell 2-16-01

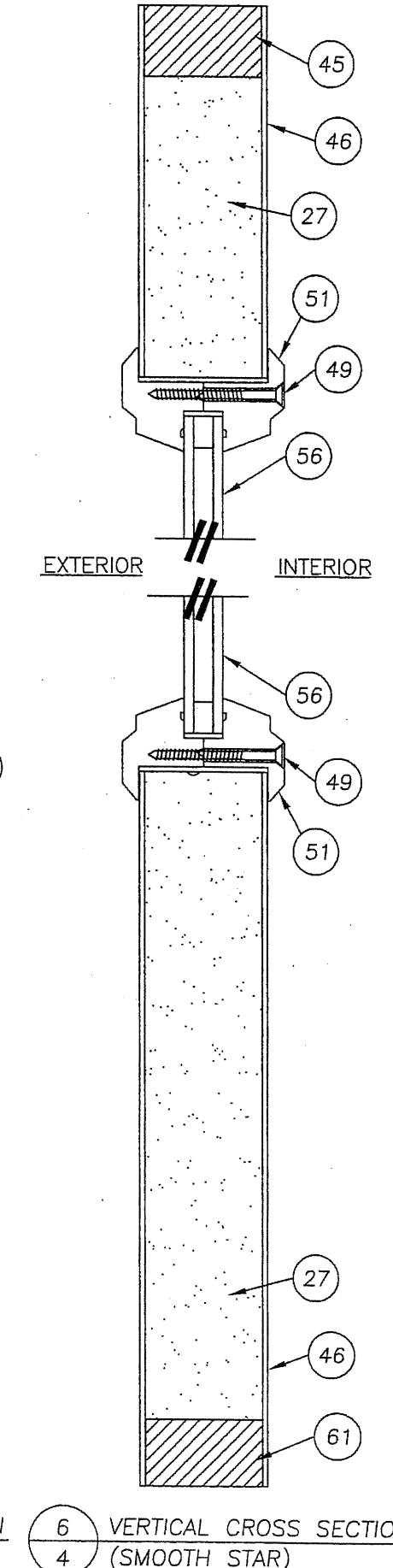
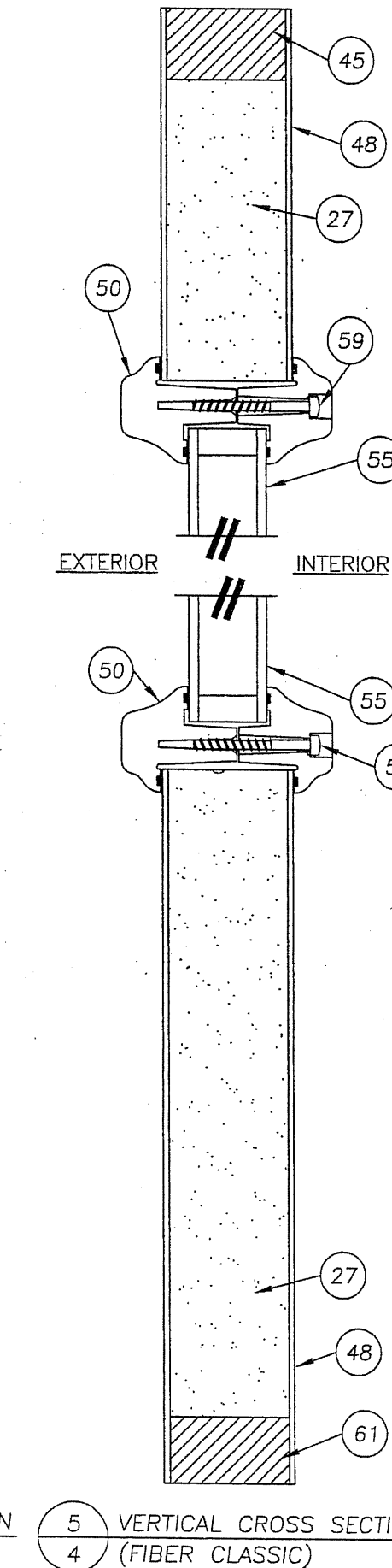
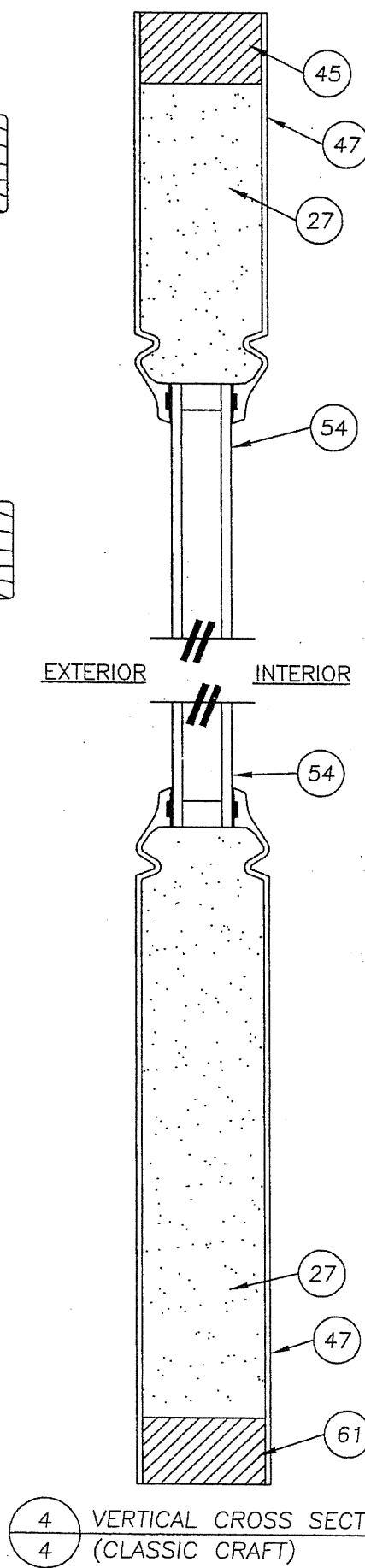
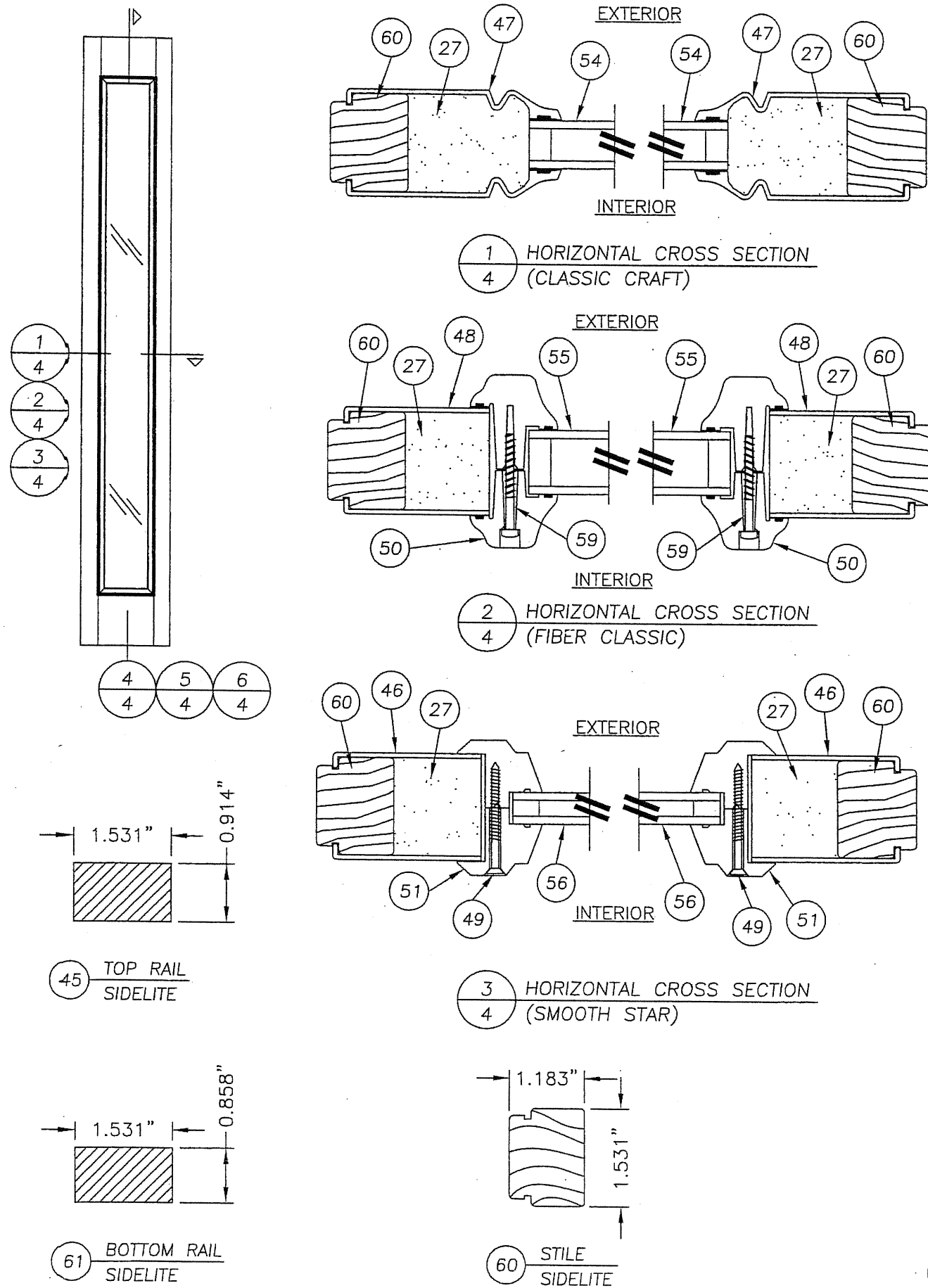


Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Haney 2/16/07
Wendell W. Haney, P.E. No. 54158

PRODUCT: SINGLE OPAQUE
FIBERGLASS DOOR W/ SIDELITES
"IMPACT" INSWING / OUTSWING
PART OR ASSEMBLY:
DOOR PANEL DETAILS
(CLASSIC CRAFT RUSTIC)

REVISIONS		NO.	DATE	BY

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3174
SHEET 3 OF 10



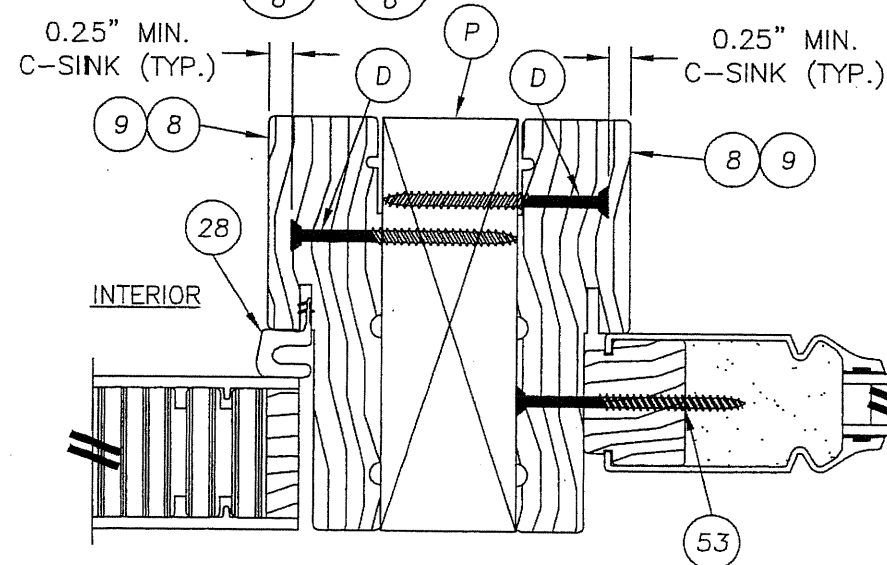
Documents Prepared By: **RW** BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

Florida Board of Professional Engineers
Certificate of Authorization No. 9813
Wendell W. Haney 2-16-07
Wendell W. Haney, P.E. No. 54158

PRODUCT:	SINGLE OPAQUE FIBERGLASS DOOR W/ SIDELITES "IMPACT" INSURING / OUTSWING
PART OR ASSEMBLY:	SIDELITE PANEL DETAILS
NO.	DATE
BY	REVISIONS

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3174
SHEET 4 OF 10

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0.25" MIN.
C-SINK (TYP.)

0.25" MIN.
C-SINK (TYP.)

8 9

28 INTERIOR

30

53

31

29

EXTERIOR

D P D

This diagram shows a cross-section of a multi-layered electronic package. The central core is labeled 'INTERIOR' and contains two horizontal layers, 28 and 30. The core is flanked by two side layers, 8 and 9. The entire assembly is enclosed in a housing with an 'EXTERIOR' face. The housing has a top flange with a thickness of '0.25" MIN. C-SINK (TYP.)' and a bottom flange with a similar thickness. The bottom flange features a central circular opening (29) and a side opening (31). A large circular feature (30) is located on the left side of the housing. A cross-hatched area (53) is shown on the left side of the interior core. The diagram is labeled with various callouts: 'D' for diameter, 'P' for pitch, and '8' and '9' for layer identifiers. The text 'C-SINK (TYP.)' appears twice, indicating the thickness of the top and bottom flanges.

0.14" MIN.
C-SINK (TYP.)

1/4" MAX.
SHIM SPACE
(TYP.)

DRYWALL

INTERIOR

EXTERIOR

EXT. SHEATHING

Labels: 8, 9, D, B, 53, C

Detailed description: This technical drawing illustrates a cross-section of a window or door threshold assembly. The assembly is shown in two main parts: a side view on the left and a cross-section on the right. The side view shows a horizontal profile with a central cavity and a flange on the left. The cross-section shows the vertical assembly. At the top, a dimension of 0.14" MIN. is indicated for the C-SINK (TYP.). Below this, a 1/4" MAX. SHIM SPACE (TYP.) is shown between the top of the threshold and the drywall. The drywall is shown as a stippled layer. The threshold itself is a wooden or composite piece with a flange on the interior side (left) and a flange on the exterior side (right). The interior flange is labeled with a circled '8' and '9'. The exterior flange is labeled with a circled '53'. A screw is shown passing through the interior flange into the threshold. Another screw is shown passing through the exterior flange into the threshold. The threshold is labeled with a circled 'C'. The exterior side of the threshold is labeled 'EXT. SHEATHING'. The interior side is labeled 'INTERIOR'. A circled 'D' points to the top of the threshold. A circled 'B' points to the drywall. A circled '53' points to the exterior flange. A circled 'C' points to the threshold. A circled '8' and '9' point to the interior flange. A circled 'D' points to the top of the threshold. A circled 'B' points to the drywall. A circled '53' points to the exterior flange. A circled 'C' points to the threshold. A circled '8' and '9' point to the interior flange.

7/16" GLASS BITE

1/2" THK. GLASS

1/8" TEMP.

AIR SPACE

1/8" TEMP.

49

57

7/16" GLASS BITE

1" THK. GLASS

1/8" TEMP.

AIR SPACE

1/8" TEMP.

(58)

(59)

(57)

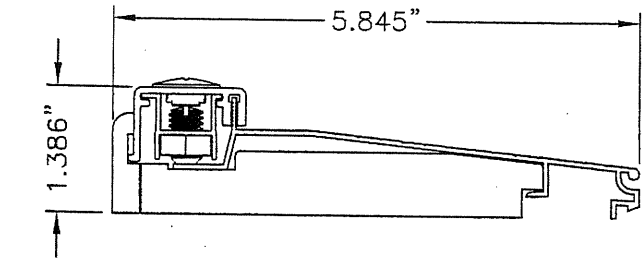
Documents Prepared By: **RW BUILDING CONSULTANTS, INC.**
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

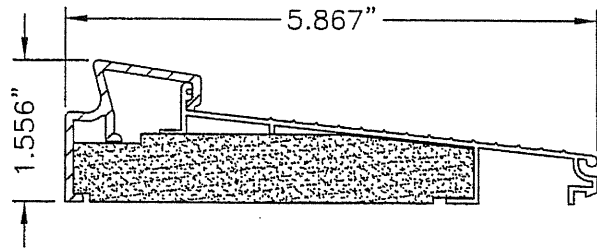
Wendell W. Haney 7-2-16-07
Wendell W. Haney, P.E. No. 54158

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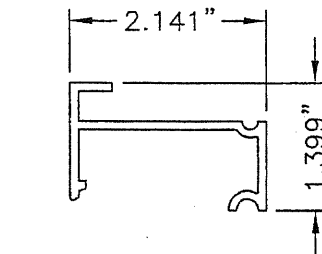
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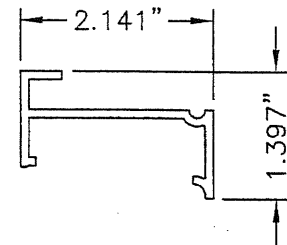
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INSWING ADJUSTABLE



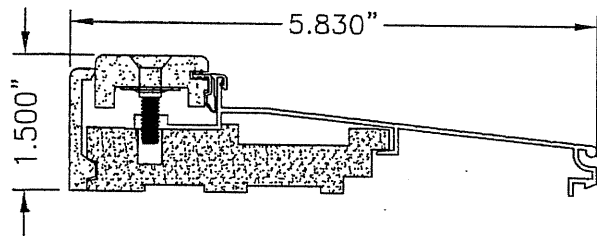
3 THRESHOLD
INSWING SELF-ADJUST



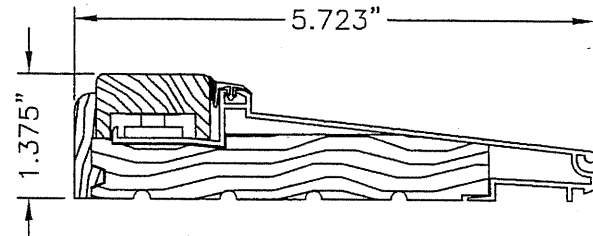
41 INSWING SIDELITE
SPACER



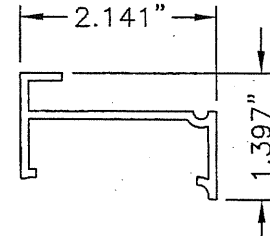
43 INSWING SIDELITE
SPACER



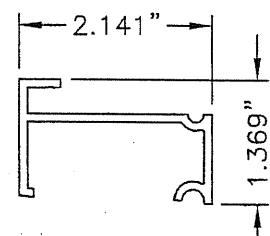
6 THRESHOLD
INSWING
MAX. DP RATING = +/- 50.0 PSF



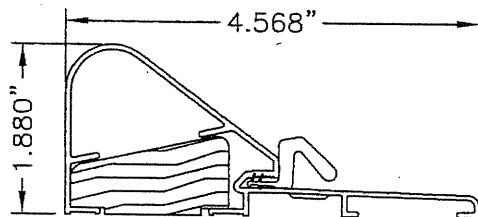
1 THRESHOLD
INSWING ADJUSTABLE



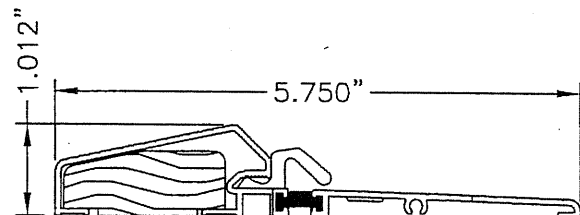
40 INSWING SIDELITE
SPACER



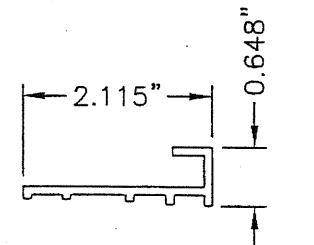
42 INSWING SIDELITE
SPACER



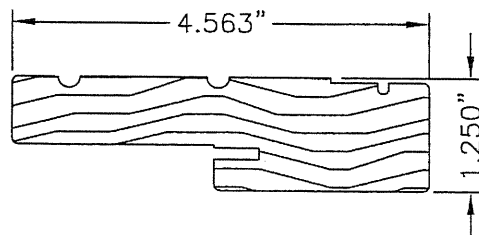
4 THRESHOLD
OUTSWING COASTAL



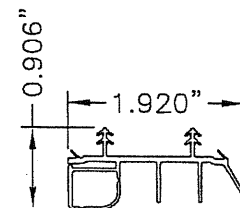
5 THRESHOLD
OUTSWING STANDARD



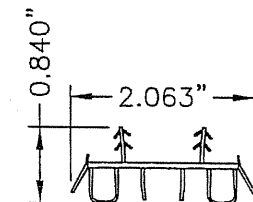
44 OUTSWING SIDELITE
SPACER



9 8 JAMB



7 SWEEP



52 SWEEP

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 Wendell W. Hare, P.E. No. 54158	
PRODUCT:	SINGLE OPAQUE FIBERGLASS DOOR W/ SIDELITES "IMPACT" INSWING / OUTSWING	PART OR ASSEMBLY:	COMPONENTS
DATE:	12/15/06	NO.	DATE
SCALE:	N.T.S.	BY	REVISIONS
DWG. BY:	AEM		
CHK. BY:	WWH		
DRAWING NO.:	TX-3174		
SHEET	9	OF	10

BILL OF MATERIALS			BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
B	2X FRAMING	WOOD	40	INSWING SIDELITE SPACER FOR ADJUSTABLE THRESHOLD (DB14AJA)	PVC
C	1/4" MAX. SHIM SPACE	WOOD	41	INSWING SIDELITE SPACER FOR HP THRESHOLD (DB14HPA)	PVC
D	#10 X 2-1/2" PFH WOOD SCREW	STEEL	42	INSWING SIDELITE SPACER FOR SELF ADJUST THRESHOLD (DB14)	PVC
G	KWIKSET 200 SERIES PASSAGE LOCK	STEEL	43	INSWING SIDELITE SPACER	PVC
H	KWIKSET 600 SERIES DEADBOLT	STEEL	44	OUTSWING SIDELITE SPACER	PVC
I	1/4" X 3-3/4" ITW TAPCON	STEEL	45	SIDELITE TOP RAIL	PVC
J	1/4" X 2-1/4" ITW TAPCON	STEEL	46	SIDELITE SKIN 0.070" THK. (SMOOTH STAR) Fy = 6,000 PSI MIN.	FIBERGLASS
K	1/4" X 1-3/4" ITW TAPCON	STEEL	47	SIDELITE SKIN 0.090" THK. (CLASSIC CRAFT) Fy = 6,000 PSI MIN.	FIBERGLASS
L	1/4" X 2-3/4" ITW TAPCON	STEEL	48	SIDELITE SKIN 0.070" THK. (FIBER CLASSIC) Fy = 6,000 PSI MIN.	FIBERGLASS
P	2X MULLION	WOOD	49	#6 X 1-3/4" PFH SCREW (LITE FRAME)	STEEL
1	INSWING ADJUSTABLE THRESHOLD (IS300AJ)	ALUM./WOOD	50	LITE FRAME FIBER CLASSIC	PVC
2	INSWING THRESHOLD (IS300HP5)	-	51	LITE FRAME SMOOTH STAR	PVC
3	INSWING SELF ADJUST THERMAL BREAK THRESHOLD (ISP30M)	ALUM./COMP.	52	DOOR BOTTOM SWEEP	VINYL
4	OUTSWING COASTAL THRESHOLD	ALUM./WOOD	53	#9 X 2-1/2" PFH WOOD SCREW (JAMB TO SIDELITE)	STEEL
5	OUTSWING STANDARD THRESHOLD	ALUM./WOOD	54	3/4" INSULATED GLASS 1/8" TEMPERED - AIR - 1/8" TEMPERED	GLASS
6	INSWING THRESHOLD	-	55	1" INSULATED GLASS 1/8" TEMPERED - AIR - 1/8" TEMPERED	GLASS
7	DOOR BOTTOM SWEEP	VINYL	56	1/2" INSULATED GLASS 1/8" TEMPERED - AIR - 1/8" TEMPERED	GLASS
8	JAMB (PINE)	WOOD	57	GLAZING COMPOUND	SILICONE
9	JAMB (OAK)	WOOD	58	SEALANT	SILICONE
16	HINGE STILE (CLASSIC CRAFT)	WOOD/LVL	59	#9 X 1" PPH SCREW (LITE FRAME)	STEEL
17	LOCK STILE (CLASSIC CRAFT)	WOOD/LVL	60	SIDELITE STILE	WOOD
18	TOP RAIL (CLASSIC CRAFT)	PVC	61	SIDELITE BOTTOM RAIL	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			
36	#8 X 3" PFH SCREW	STEEL			

DATE: 12/15/06 SCALE: N.T.S. DWG. BY: AEM CHK. BY: WWH DRAWING NO.: TX-3174 SHEET 10 OF 10		NO. DATE BY REVISIONS		PRODUCT: SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITES "IMPACT" INSURING / OUTSWING PART OR ASSEMBLY: BILL OF MATERIALS	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 Wendell W. Harey, P.E. No. 54158 2-16-02
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THERMA-TRU®

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

SMOOTH STAR & FIBER CLASSIC

SINGLE "IMPACT" DOOR INSWING / OUTSWING

EVALUATED FOR USE IN THE STATE OF TEXAS

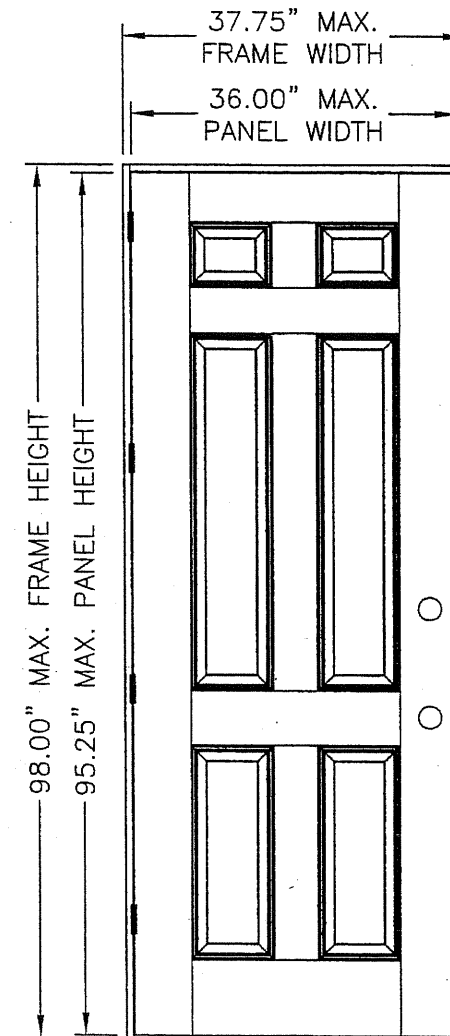
THE THERMA-TRU FIBERGLASS DOOR DESCRIBED HEREIN COMPLIES WITH THE INTERNATIONAL RESIDENTIAL CODE (IRC), SECTIONS R301 & R613 AND THE INTERNATIONAL BUILDING CODE (IBC), SECTIONS 1714.5 1405.12, 1609, 2403 AND 2404 (INCLUDING TEXAS REVISIONS) SUBJECT TO THE FOLLOWING CONDITIONS:

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 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, dated October 31, 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..
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 DETAILS (SMOOTH STAR)
3	DOOR PANEL DETAILS (FIBER CLASSIC)
4	HORIZONTAL CROSS SECTIONS
5	VERTICAL CROSS SECTIONS
6	FRAME ANCHORING
7	BILL OF MATERIALS & COMPONENTS

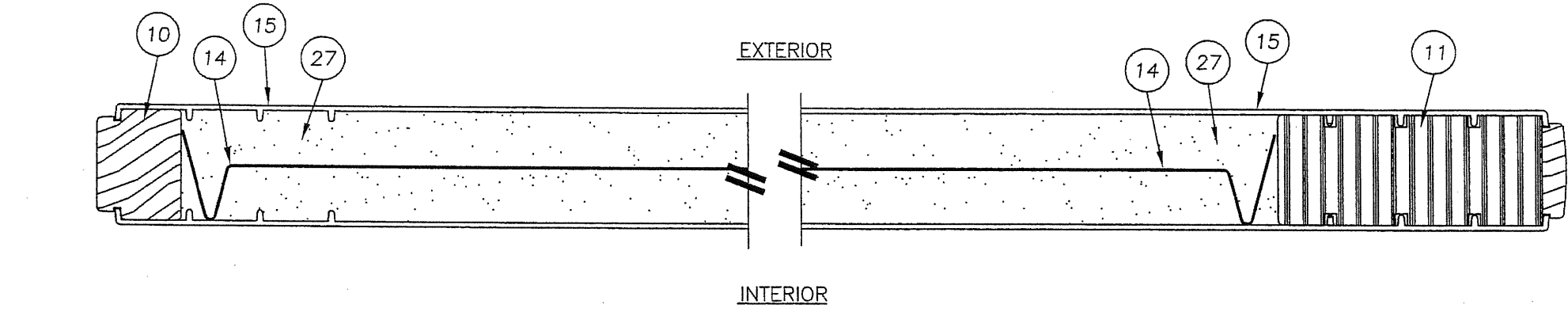


"SMOOTH STAR" & "FIBER CLASSIC"

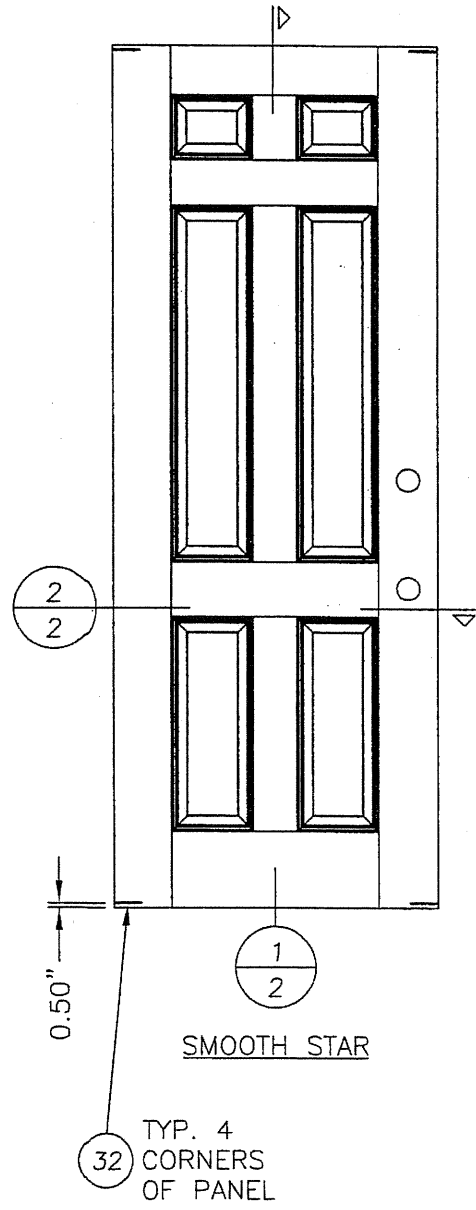
DOOR TYPE	SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE	
			POSITIVE	NEGATIVE
SMOOTH STAR	OUTSWING	37.75" X 96.50"	+65.0	-65.0
	INSWING	37.75" X 98.00"	+65.0	-65.0
FIBER CLASSIC	OUTSWING	37.75" X 96.50"	+65.0	-65.0
	INSWING	37.75" X 98.00"	+65.0	-65.0

Documents Prepared By:		R.W. 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 2-16-07	
PRODUCT:	SINGLE OPAQUE FIBERGLASS DOOR	"IMPACT" INSWING / OUTSWING	PART OR ASSEMBLY:
			TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
			BY
			NO. DATE
			REVISIONS
DATE: 12/15/06			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: WWH			
DRAWING NO.: TX-3175			
SHEET 1 OF 7			

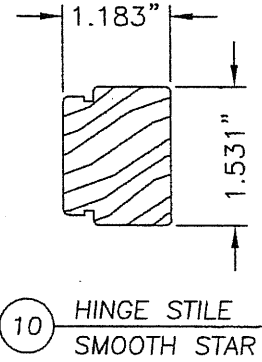
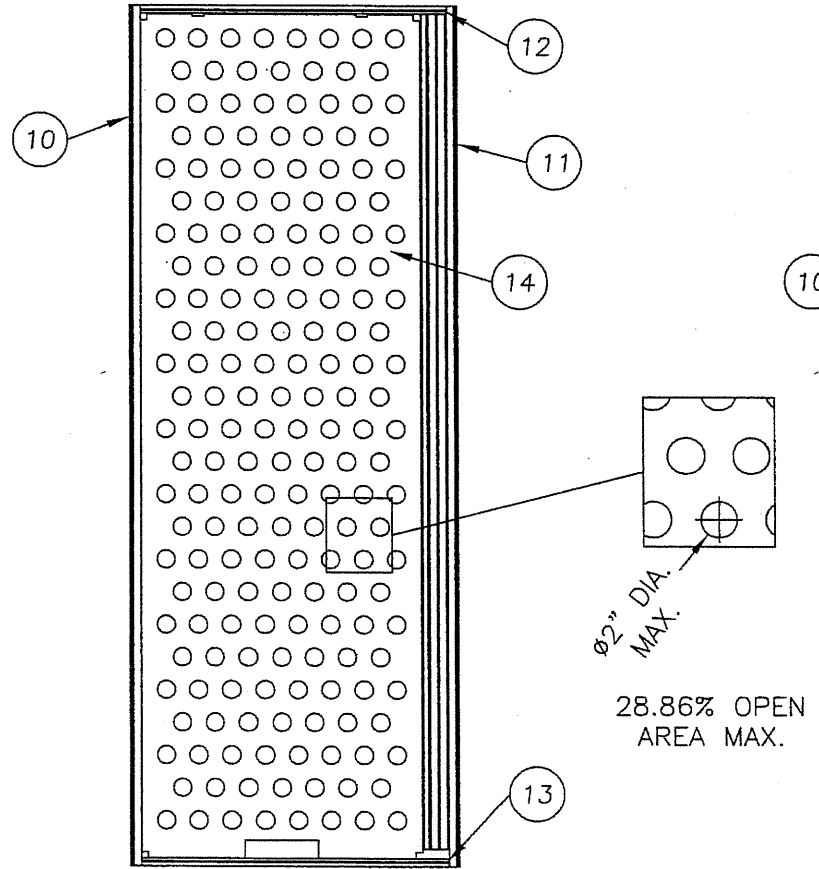
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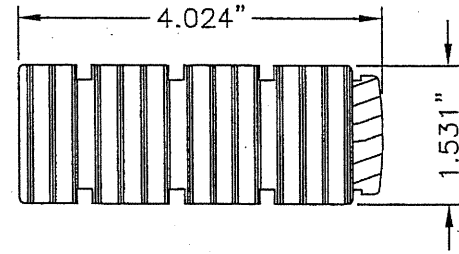
2 HORIZONTAL CROSS SECTION
2 SMOOTH STAR



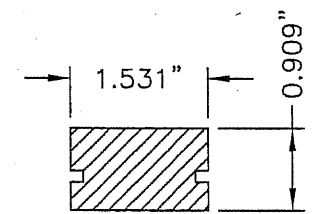
1 VERTICAL CROSS SECTION
2 SMOOTH STAR



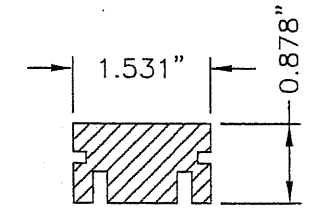
10 HINGE STILE
SMOOTH STAR



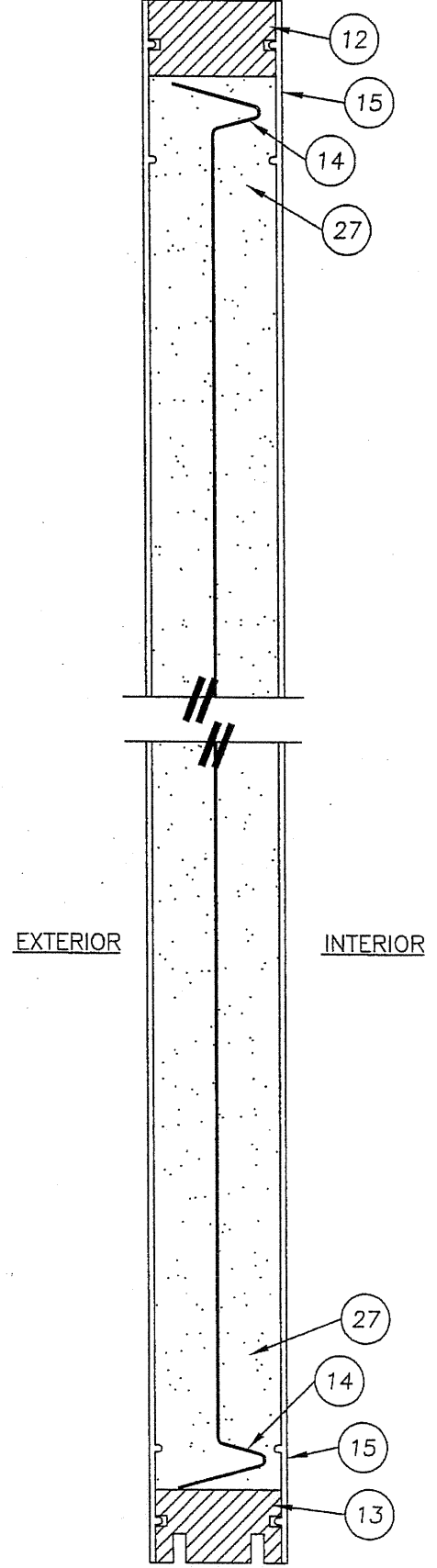
11 LOCK STILE
SMOOTH STAR



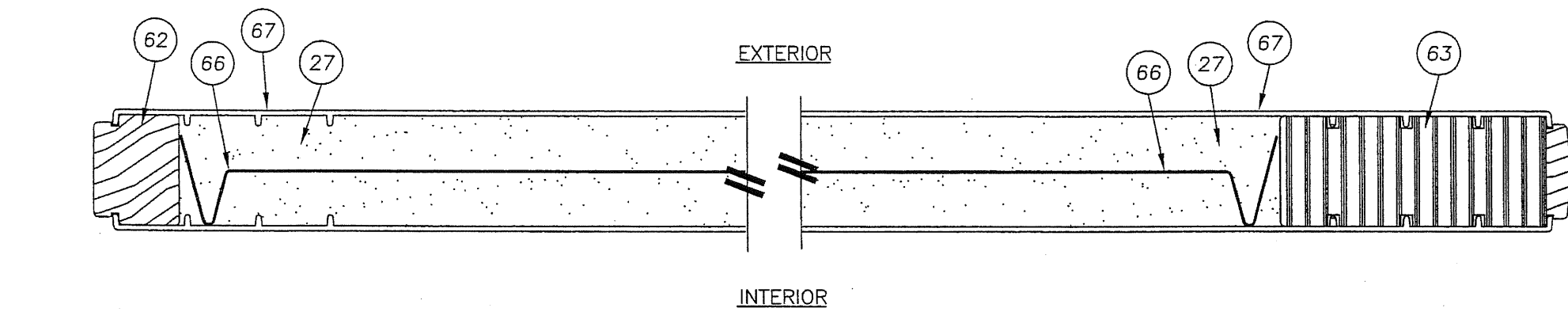
12 TOP RAIL
SMOOTH STAR



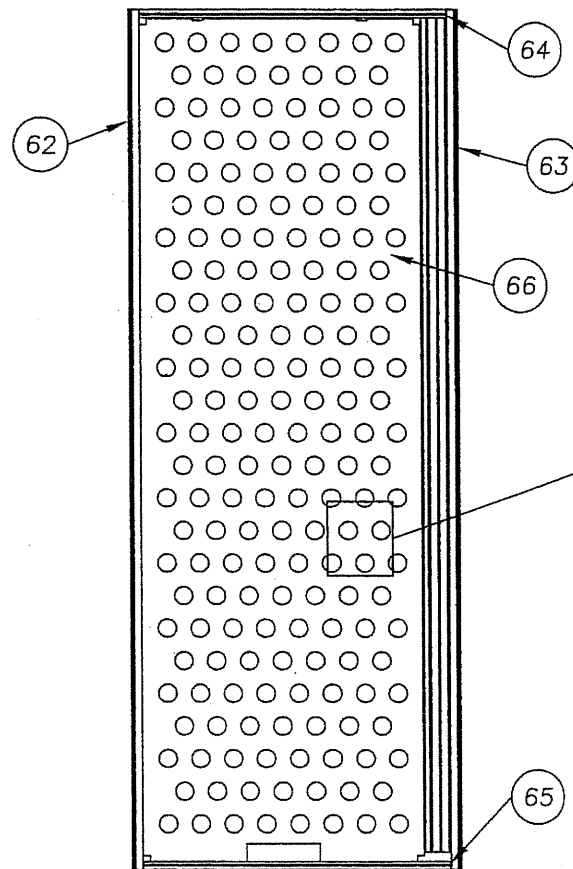
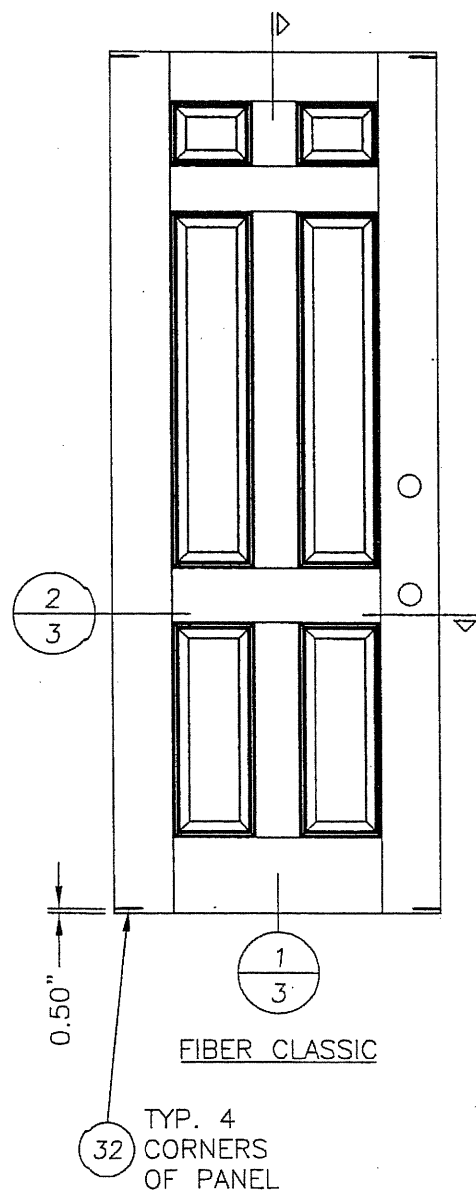
13 BOTTOM RAIL
SMOOTH STAR



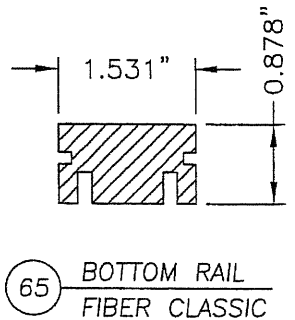
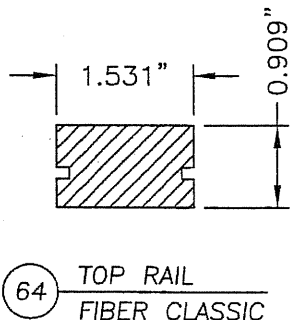
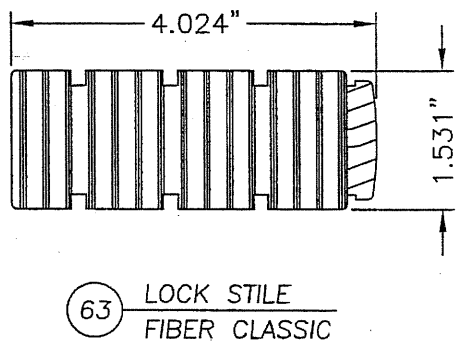
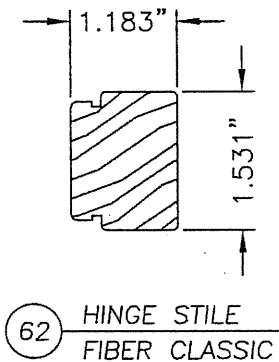
Documents Prepared By:				BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL. 33595 Phone No.: 813.659.9197 Florida Board of Professional Engineers Certificate Of Authorization No. 9813 <i>Wendell W. Hanby</i> 2-16-07 Wendell W. Hanby P.E. No. 54158			
PRODUCT: SINGLE OPAQUE FIBERGLASS DOOR "IMPACT" INSWING / OUTSWING PART OR ASSEMBLY:				DOOR PANEL DETAILS (SMOOTH STAR)			
							BY



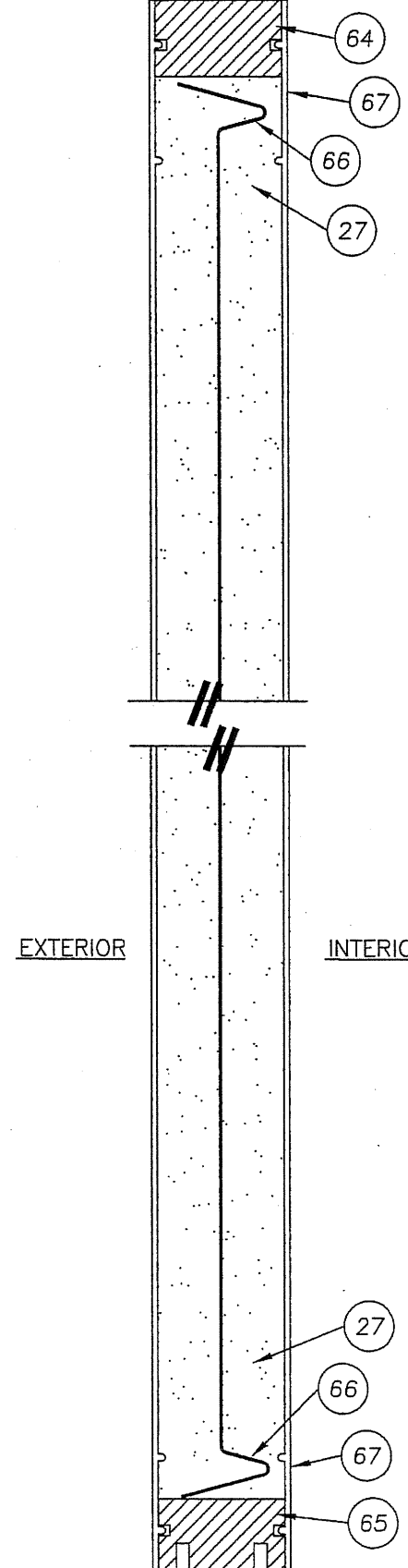
2 HORIZONTAL CROSS SECTION
3 FIBER CLASSIC



Ø2" DIA.
MAX.
28.86% OPEN
AREA MAX.

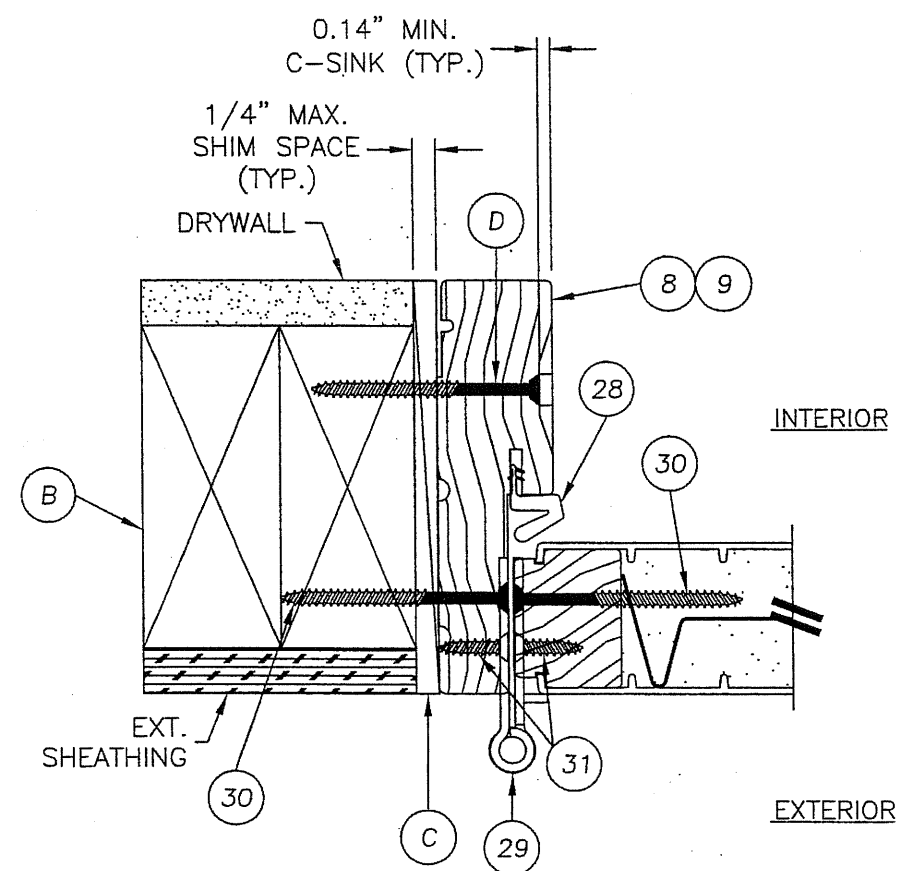


EXTERIOR INTERIOR

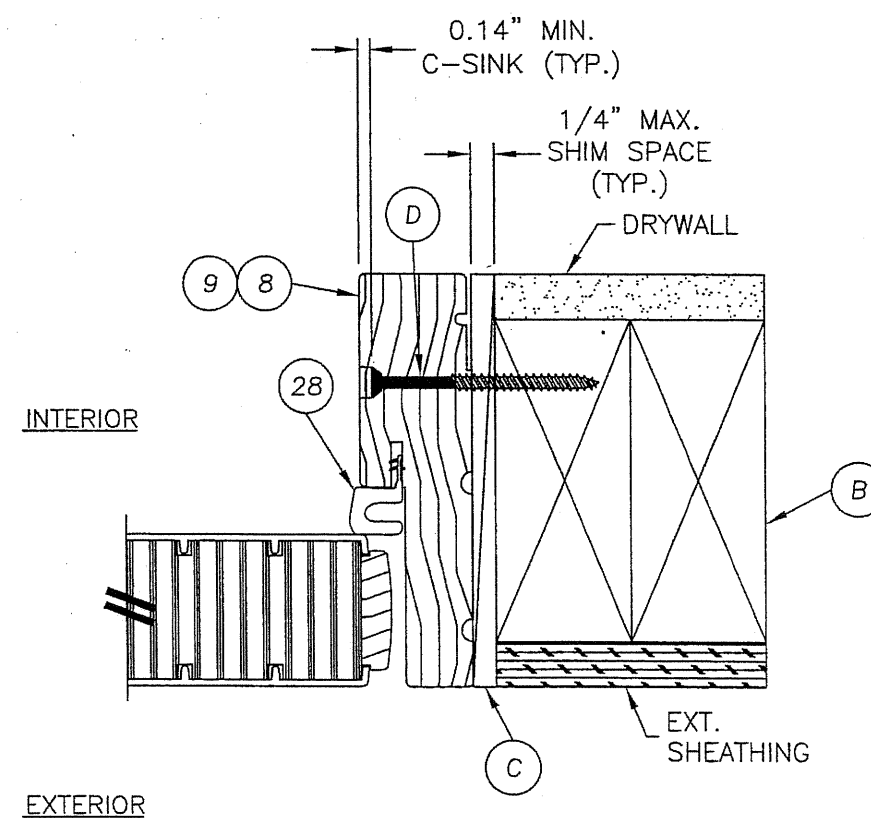


1 VERTICAL CROSS SECTION
3 FIBER CLASSIC

Documents Prepared By:		R.W. 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. Horey, P.E. No. 54158	
PRODUCT:	SINGLE OPAQUE FIBERGLASS DOOR "IMPACT" INSWING / OUTSWING	PART OR ASSEMBLY:	DOOR PANEL DETAILS (FIBER CLASSIC)
DATE:	12/15/06	SCALE:	N.T.S.
DWG. BY:	AEM	CHK. BY:	WWH
DRAWING NO.:	TX-3175	SHEET	3 OF 7
REVISIONS		BY	
NO.		DATE	



① HORIZONTAL CROSS SECTION
④ @ HINGE
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



2 HORIZONTAL CROSS SECTION
4 @ LATCH
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES

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

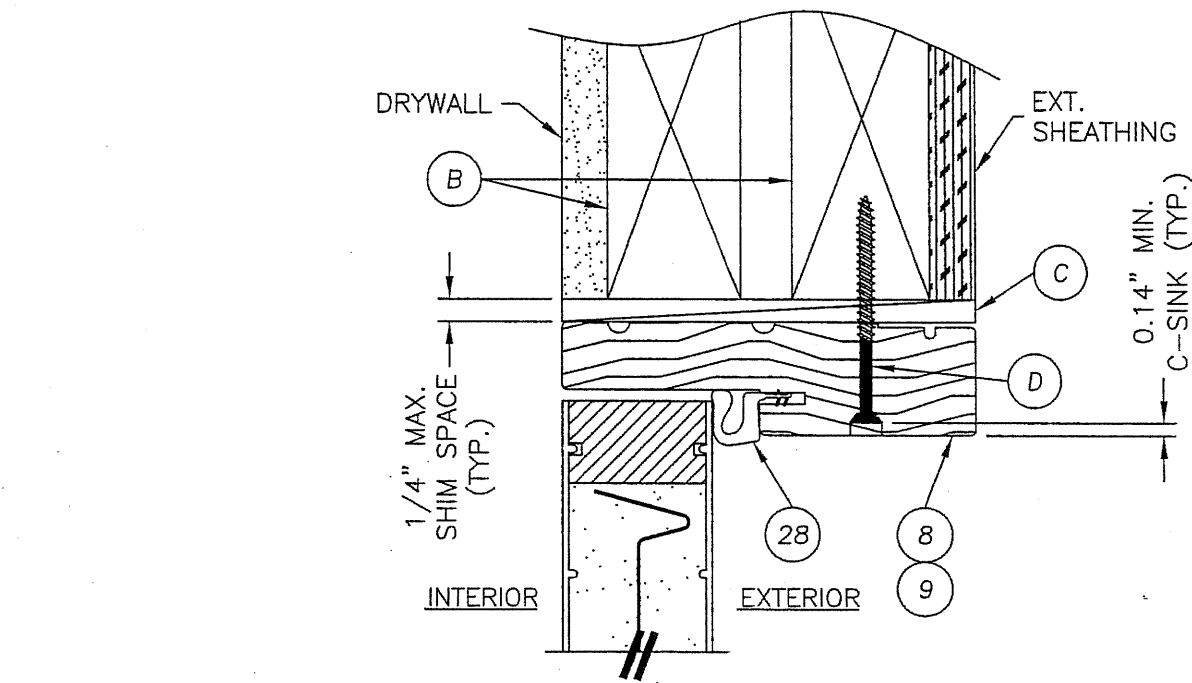
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SCALE:	N.T.S.
DWG. BY:	AEM
CHK. BY:	WWH
DRAWING NO.:	TX-3175
SHEET	4 OF 7

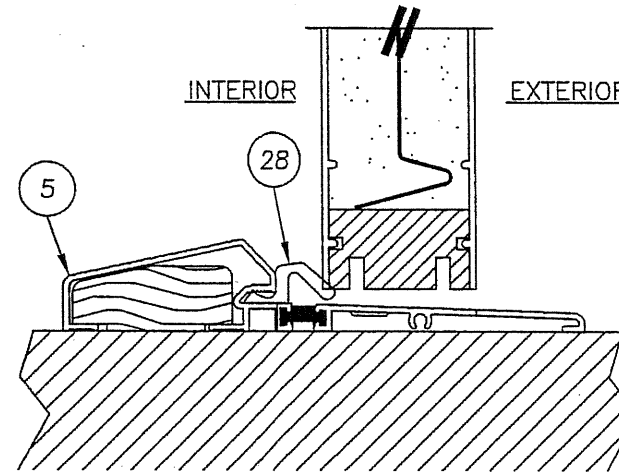
Documents Prepared By: **BUILDING CONSULTANTS, INC.**
RW P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9197

Flooded Board of Professional Engineers
 Certificate Of Authorization No. 9813

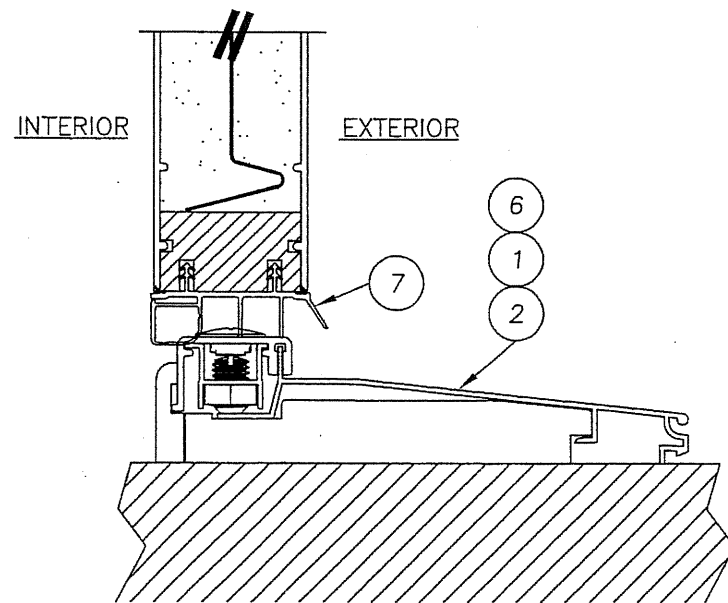
Wendell W. Hawes 246-07
 Wendell W. Hawes, P.E. No. 54158



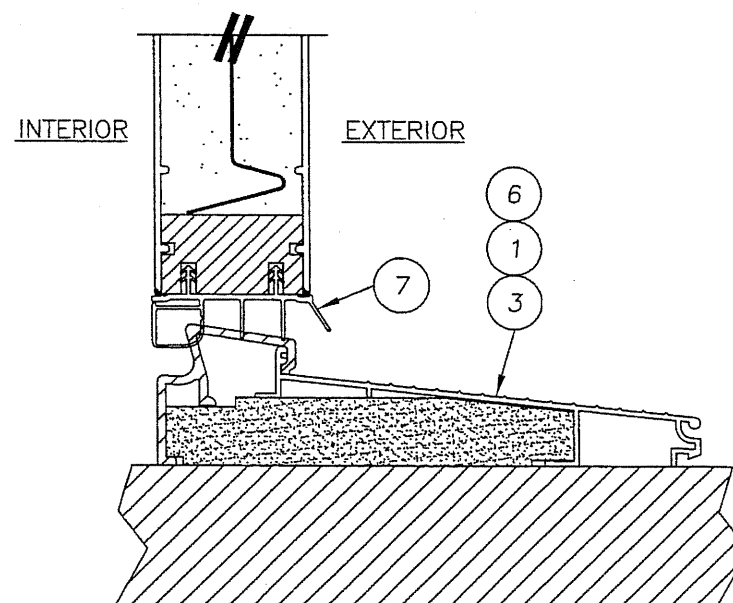
1 VERTICAL CROSS SECTION
5 @ HEAD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



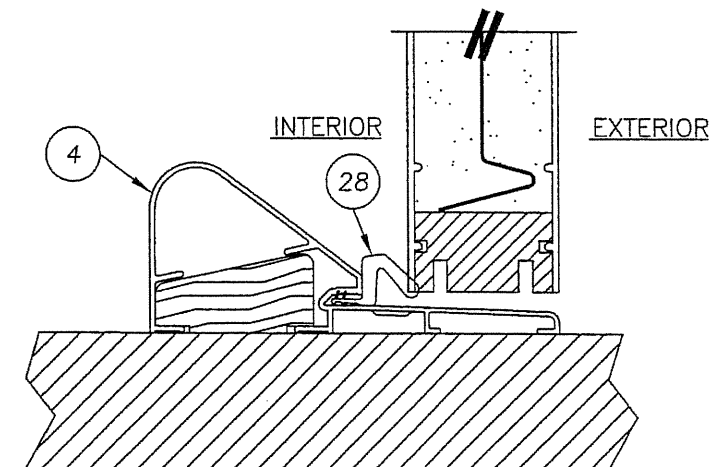
3 VERTICAL CROSS SECTION
5 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



4 VERTICAL CROSS SECTION
5 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



5 VERTICAL CROSS SECTION
5 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



6 VERTICAL CROSS SECTION
5 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES

Documents Prepared By:
R.W. 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. Flaney, P.E. No. 54158
2-16-07

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

NO.	DATE	BY

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3175
SHEET 5 OF 7

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

6"

6"

2X FRAMING

D TYP. HEAD & JAMBS

14.33" MAX. ON CENTER

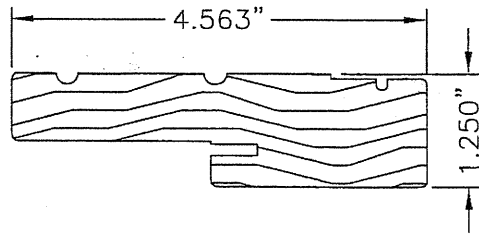
DOOR FRAME

FLOOR SUBSTRATE MATERIAL

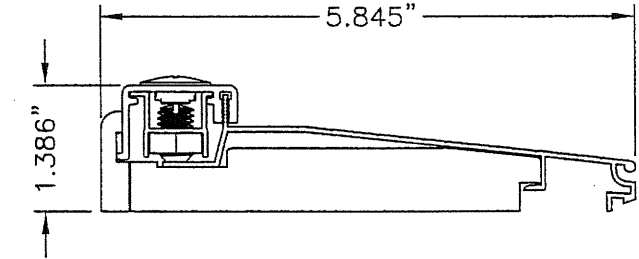
DATE: 12/15/06		NO.		DATE		BY	
SCALE: N.T.S.							
DWG. BY: AEM							
CHK. BY: WWH							
DRAWING NO.: TX-3175							
SHEET 6 OF 7							

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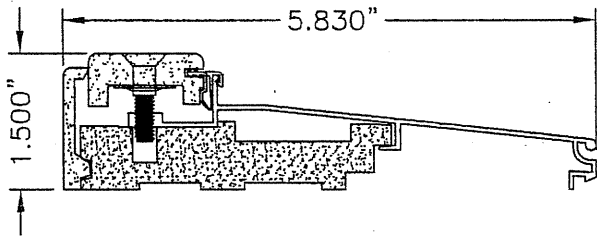
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	2X FRAMING	WOOD
C	1/4" MAX. SHIM SPACE	WOOD
D	#10 X 2-1/2" PFH WOOD SCREW	STEEL
G	KWIKSET 200 SERIES PASSAGE LOCK	STEEL
H	KWIKSET 600 SERIES DEADBOLT	STEEL
I	1/4" X 3-3/4" ITW TAPCON	STEEL
1	INSWING ADJUSTABLE THRESHOLD (IS300AJ)	ALUM./WOOD
2	INSWING THRESHOLD (IS300HP5)	-
3	INSWING SELF ADJUST THERMAL BREAK THRESHOLD (ISP30M)	ALUM./COMP.
4	OUTSWING COASTAL THRESHOLD	ALUM./WOOD
5	OUTSWING STANDARD THRESHOLD	ALUM./WOOD
6	INSWING THRESHOLD	-
7	DOOR BOTTOM SWEEP	VINYL
8	JAMB (PINE)	WOOD
9	JAMB (OAK)	WOOD
10	HINGE STILE (SMOOTH STAR)	WOOD
11	LOCK STILE (SMOOTH STAR)	LVL/WOOD
12	TOP RAIL (SMOOTH STAR)	PVC
13	BOTTOM RAIL (SMOOTH STAR)	PVC
14	PANEL REINFORCEMENT 0.023" THK. (SMOOTH STAR)	STEEL
15	DOOR SKIN 0.072" THK. (SMOOTH STAR) 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
36	#8 X 3" PFH SCREW	STEEL
62	HINGE STILE (FIBER CLASSIC)	WOOD
63	LOCK STILE (FIBER CLASSIC)	LVL/WOOD
64	TOP RAIL (FIBER CLASSIC)	PVC
65	BOTTOM RAIL (FIBER CLASSIC)	PVC
66	PANEL REINFORCEMENT 0.023" THK. (FIBER CLASSIC)	STEEL
67	DOOR SKIN 0.072" THK. (FIBER CLASSIC) Fy = 6,000 PSI MIN.	FIBERGLASS



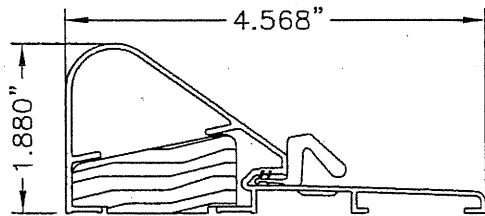
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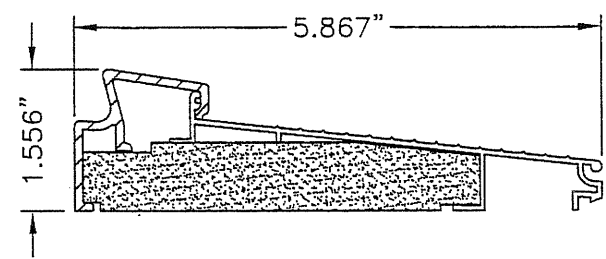
2 THRESHOLD
INSWING ADJUSTABLE



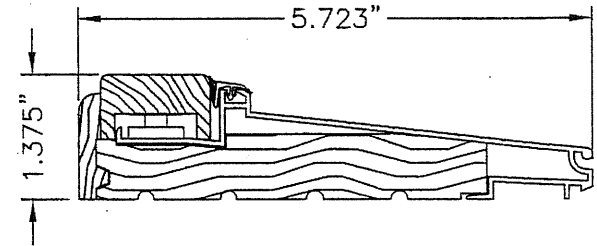
6 THRESHOLD
INSWING
MAX. DP RATING = +/- 50.0 PSF



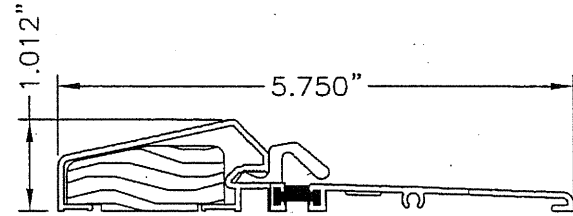
4 THRESHOLD
OUTSWING COASTAL



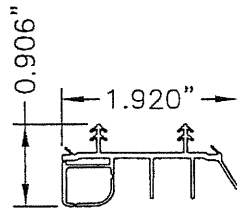
3 THRESHOLD
INSWING SELF-ADJUST



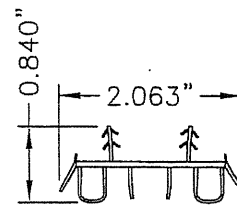
1 THRESHOLD
INSWING ADJUSTABLE



5 THRESHOLD
OUTSWING STANDARD



7 SWEEP



52 SWEEP

Documents Prepared By:
R.W. 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. Hone, P.E.
No. 54158

PRODUCT: SINGLE OPAQUE
FIBERGLASS DOOR
"IMPACT" INSWING / OUTSWING
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-3175
SHEET 7 OF 7

THERMA TRU®

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

SMOOTH STAR & FIBER CLASSIC

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

EVALUATED FOR USE IN THE STATE OF TEXAS

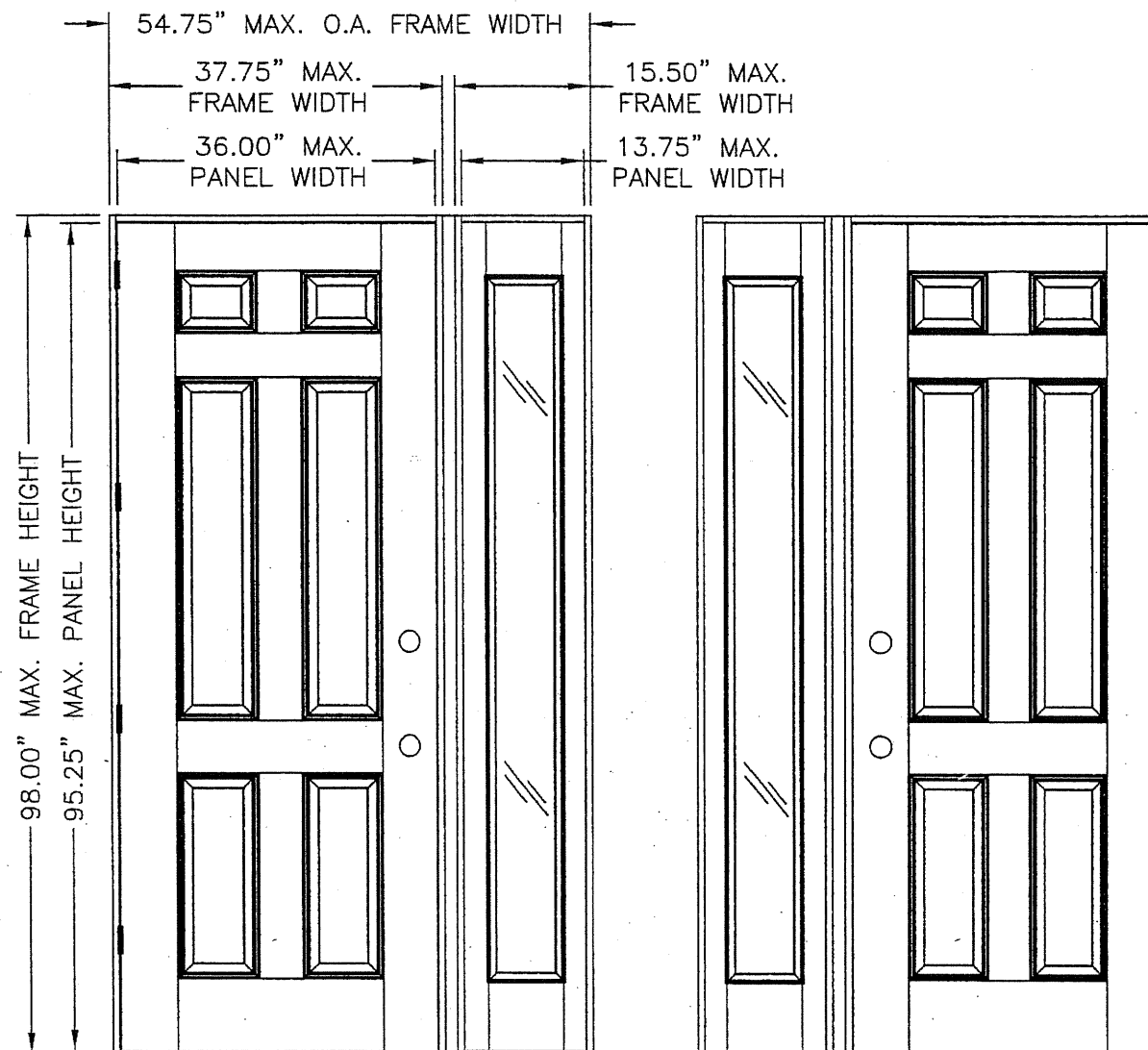
THE THERMA-TRU FIBERGLASS DOOR DESCRIBED HEREIN COMPLIES WITH THE INTERNATIONAL RESIDENTIAL CODE (IRC), SECTIONS R301 & R613 AND THE INTERNATIONAL BUILDING CODE (IBC), SECTIONS 1714.5 1405.12, 1609, 2403 AND 2404 (INCLUDING TEXAS REVISIONS) SUBJECT TO THE FOLLOWING CONDITIONS:

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 Door Panel 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. The Sidelite Panel does not meet impact resistant requirements and must be protected with an impact resistant covering in compliance with sections R301.2.1.2 and 1609.1.4. 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 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, dated October 31, 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 Thermo-Tru Corporation. is manufacturing products within a Quality Assurance program.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES
2	DOOR PANEL DETAILS (SMOOTH STAR)
3	DOOR PANEL DETAILS (FIBER CLASSIC)
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



"SMOOTH STAR" & "FIBER CLASSIC"

DOOR TYPE	SWING	OVERALL FRAME DIMENSION	OVERALL SIDELITE D.L.O. DIMENSION	DESIGN PRESSURE	
				POSITIVE	NEGATIVE
SMOOTH STAR	OUTSWING	54.75" X 96.50"	6.75"	+65.0	-65.0
	INSWING	54.75" X 98.00"		+65.0	-65.0
FIBER CLASSIC	OUTSWING	54.75" X 96.50"	79.00"	+65.0	-65.0
	INSWING	54.75" X 98.00"		+65.0	-65.0

Documents Prepared By:
R.W. 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. 2-16-07
Wendell W. Haney, P.E. No. 54158

PRODUCT: SINGLE OPAQUE FIBERGLASS DOOR W/ SIDELITE "IMPACT" INSWING / OUTSWING
PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES

REVISIONS	
NO.	DATE

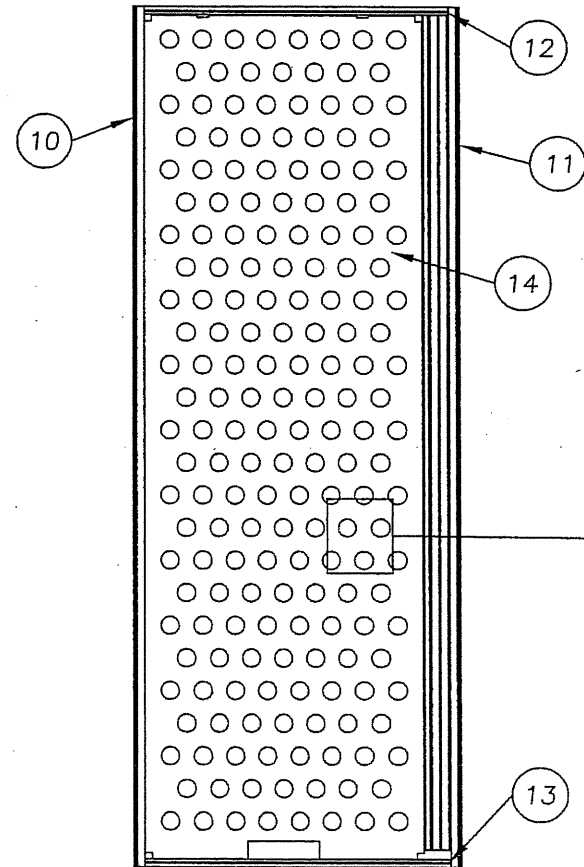
DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3176
SHEET 1 OF 10

0.50"

1/2

SMOOTH STAR

TYP. 4
CORNERS
OF PANEL



Ø2" DIA. MAX.

1.183"

1.531"

10 HINGE STILE
SMOOTH STAR

11 LOCK STILE
SMOOTH STAR

1.531"

0.090"

TOP RAIL

SMOOTH STAR

1.531"

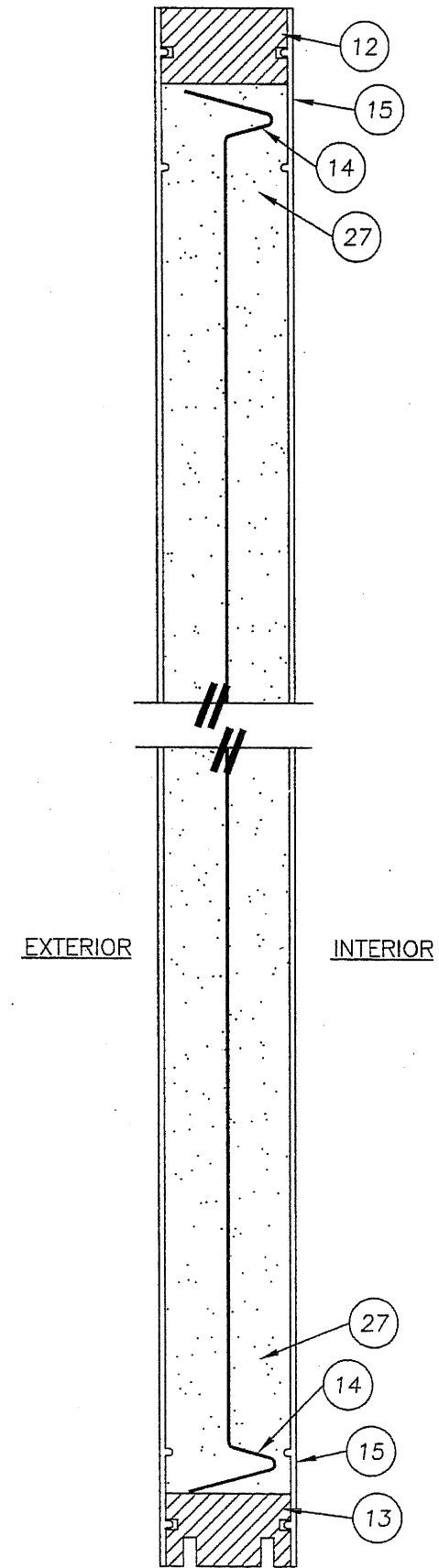
0.878"

0.375"

0.312"

13 BOTTOM RAIL
SMOOTH STAR

1	VERTICAL CROSS SECTION
2	SMOOTH STAR



RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197

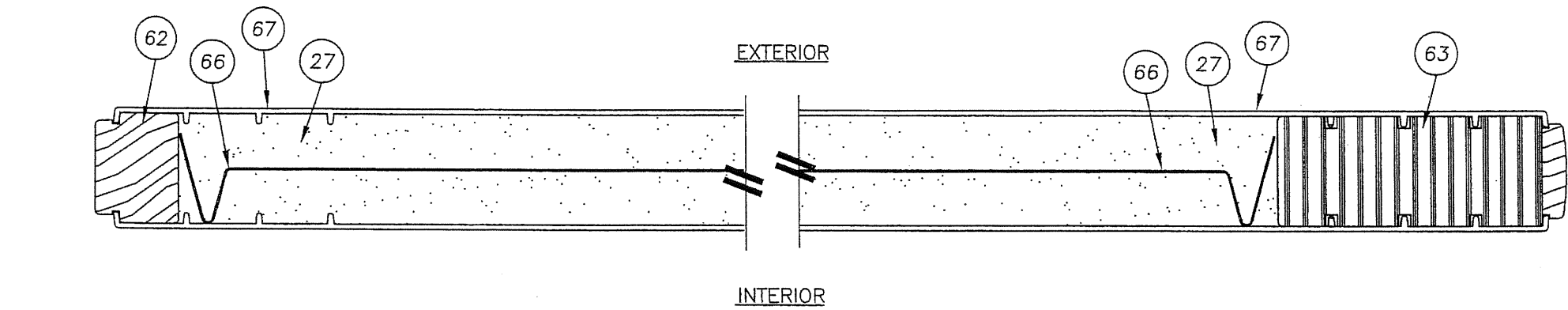
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

Wendell W. Horney 2-16-
Wendell W. Horney, P.E. No. 54158

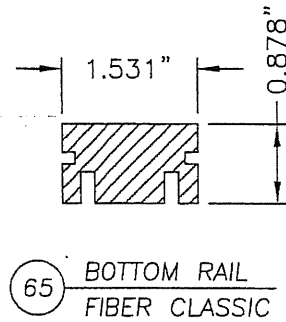
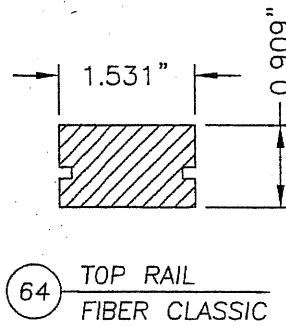
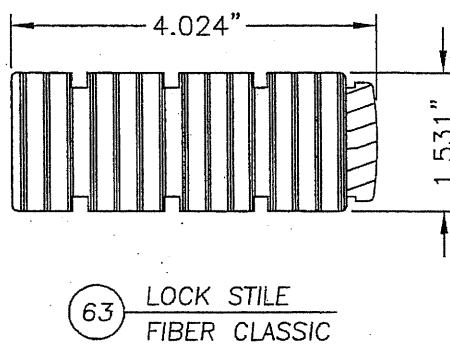
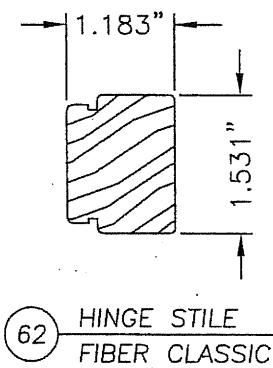
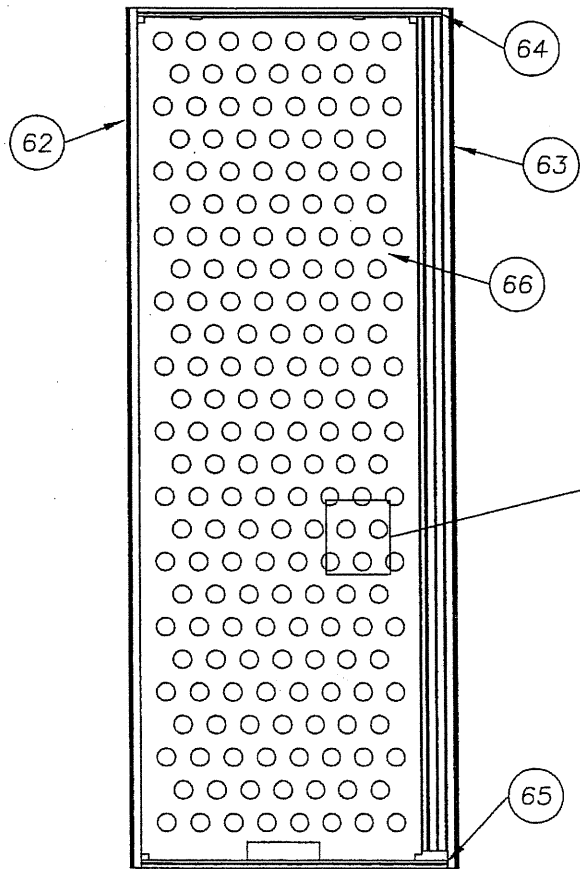
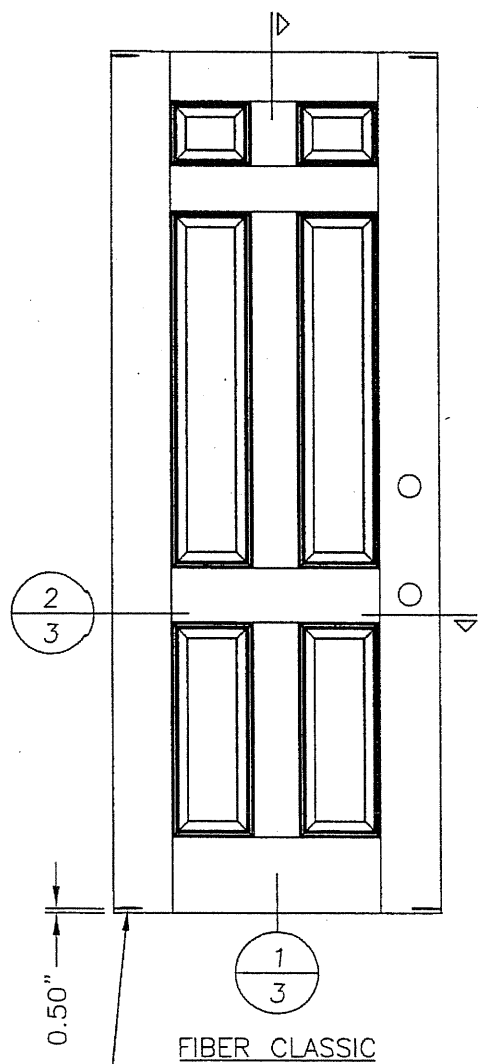
**SINGLE OPAQUE
FIBERGLASS DOOR W/SIDELITE
"IMPACT" INSWING / OUTSWING**

PART OR ASSEMBLY:

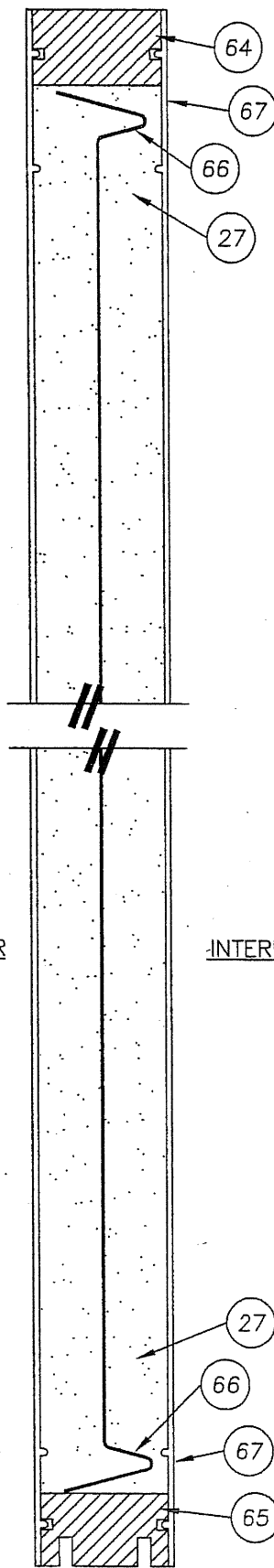
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2 HORIZONTAL CROSS SECTION
3 FIBER CLASSIC

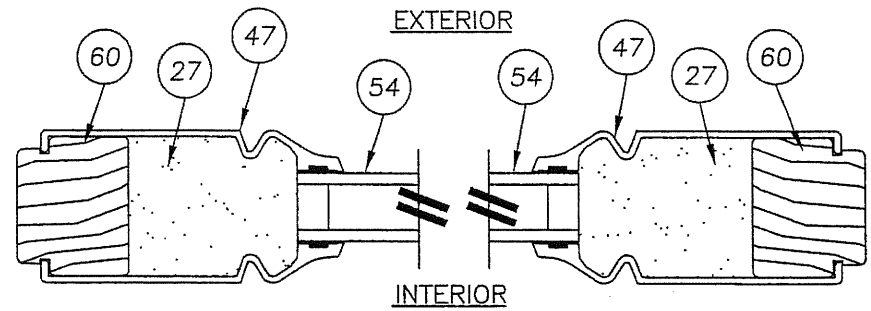
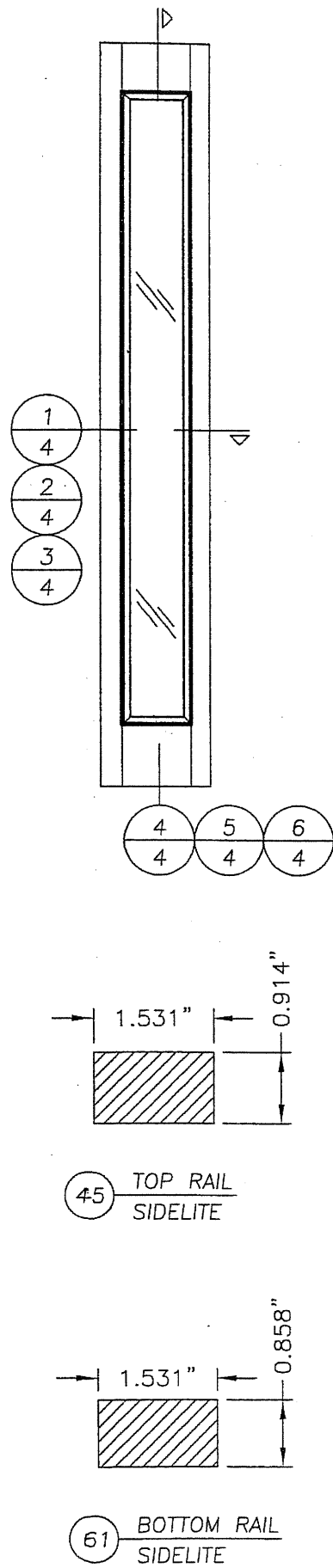


EXTERIOR INTERIOR

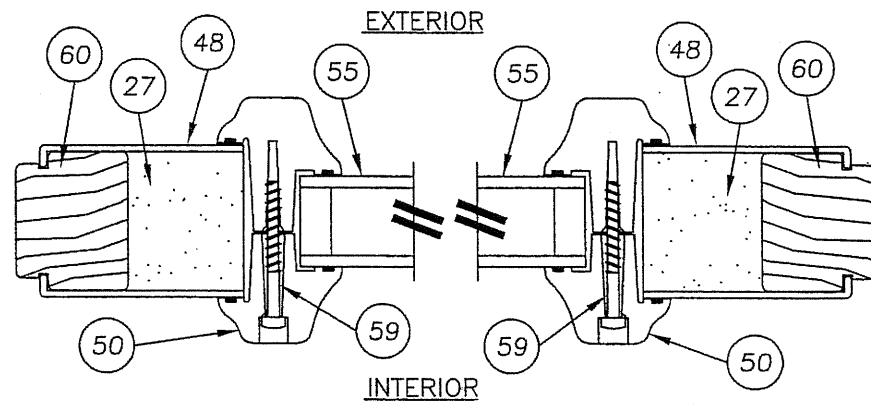


1 VERTICAL CROSS SECTION
3 FIBER CLASSIC

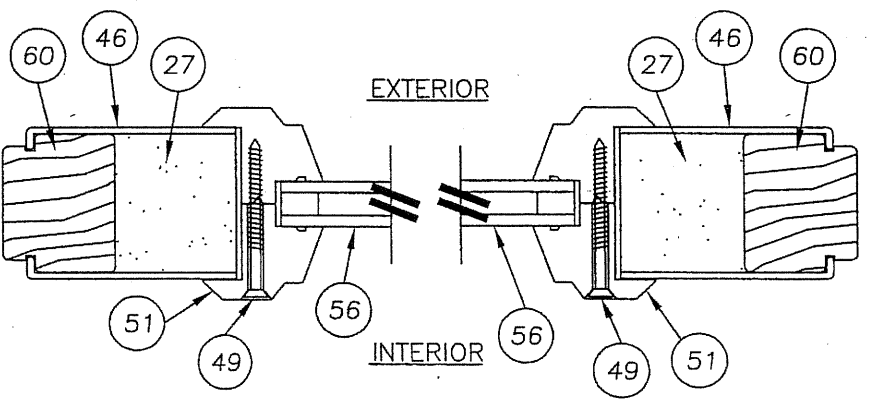
Documents Prepared By:		BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.659.9197 Florida Board of Professional Engineers Certificate Of Authorization No. 9813 Wendell W. Harney, P.E. No. 54158 2-16-07	
PRODUCT:	SINGLE OPAQUE FIBERGLASS DOOR W/ SIDELITE "IMPACT" INSURING / OUTSWING	PART OR ASSEMBLY:	DOOR PANEL DETAILS (FIBER CLASSIC)
NO.	DATE	BY	REVISIONS
DATE:	12/15/06	SCALE:	N.T.S.
DWG. BY:	AEM	CHK. BY:	WWH
DRAWING NO.:	TX-3176	SHEET	3 OF 10



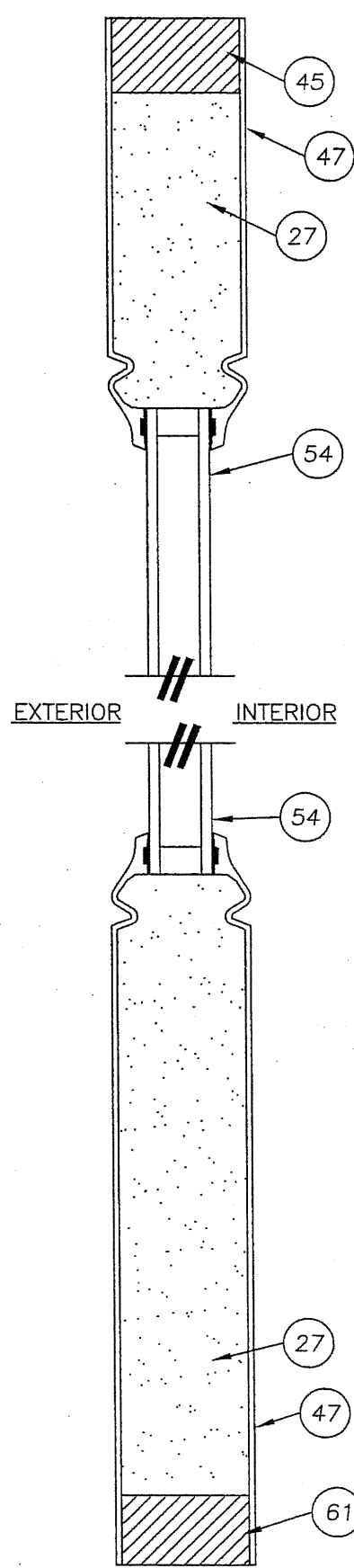
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4 (CLASSIC CRAFT)



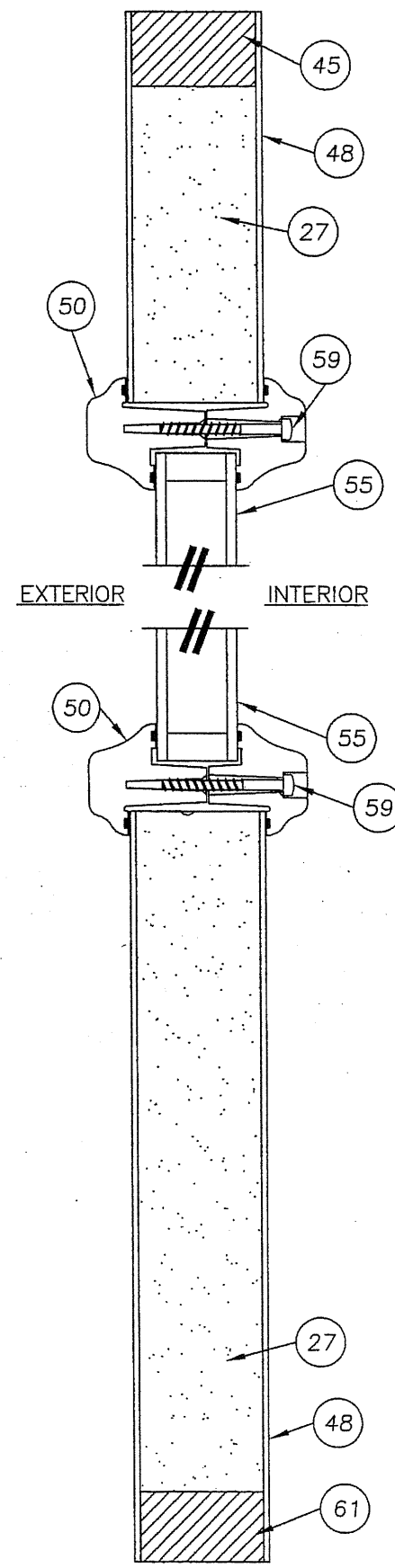
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4 (FIBER CLASSIC)



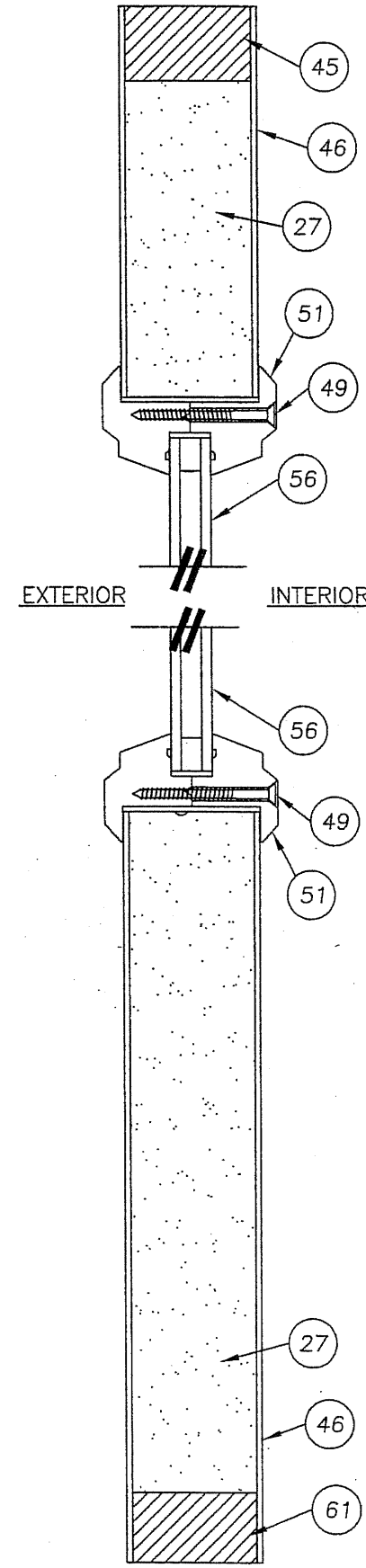
3 HORIZONTAL CROSS SECTION
4 (SMOOTH STAR)



4 VERTICAL CROSS SECTION
4 (CLASSIC CRAFT)

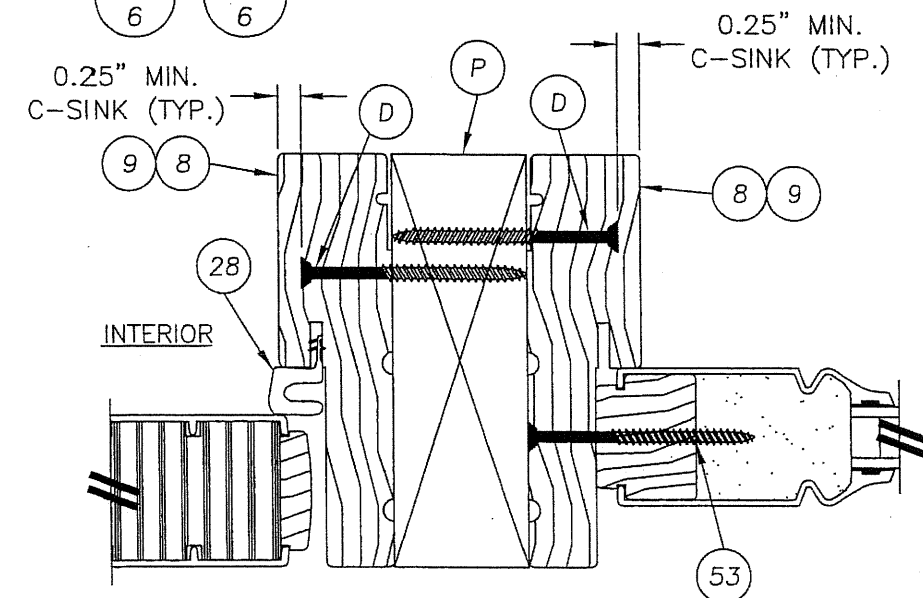


5 VERTICAL CROSS SECTION
4 (FIBER CLASSIC)



6 VERTICAL CROSS SECTION
4 (SMOOTH STAR)

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 <i>Wendell W. Haney</i> 2-16-07 Wendell W. Haney, P.E. No. 54158	
PRODUCT:		SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITE "IMPACT" INSWING / OUTSWING	
PART OR ASSEMBLY:		SIDELITE PANEL DETAILS	
NO.		DATE	
BY		REVISIONS	
DATE: 12/15/06			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: WWH			
DRAWING NO.: TX-3176			
SHEET 4 OF 10			



7/16" GLASS BITE

1" THK. GLASS

1/8" TEMP.

AIR SPACE

1/8" TEMP.

58

59

57

This diagram shows a cross-section of a sample holder assembly. On the left, a 7/16" thick glass bite is shown. A central rod passes through the assembly, secured by a screw (59) and a nut (57). The assembly is composed of 1" thick glass blocks, with 1/8" thick temperature control elements (TEMP.) on the inner surfaces. An air space is indicated between the glass blocks. Reference numerals 58 and 59 point to specific components of the assembly.

1/2" GLASS BITE

3/4" THK. GLASS

1/8" TEMP.

AIR SPACE

1/8" TEMP.

57

7/16" GLASS BITE

1/2" THK. GLASS

1/8" TEMP.

AIR SPACE

1/8" TEMP.

49

57

0.14" MIN.
C-SINK (TYP.)

1/4" MAX.
SHIM SPACE (TYP.)

DRYWALL

8

9

INTERIOR

EXTERIOR

53

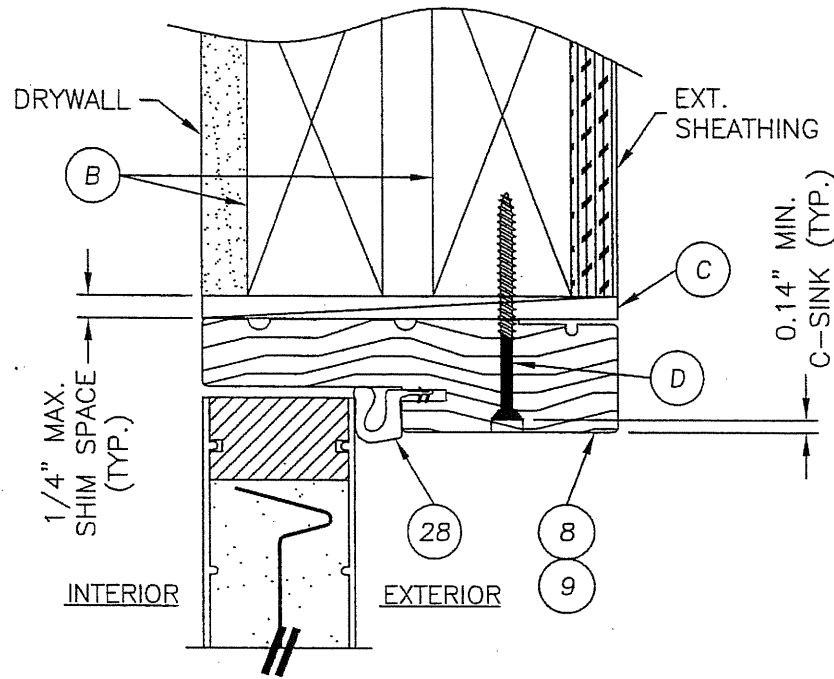
B

C

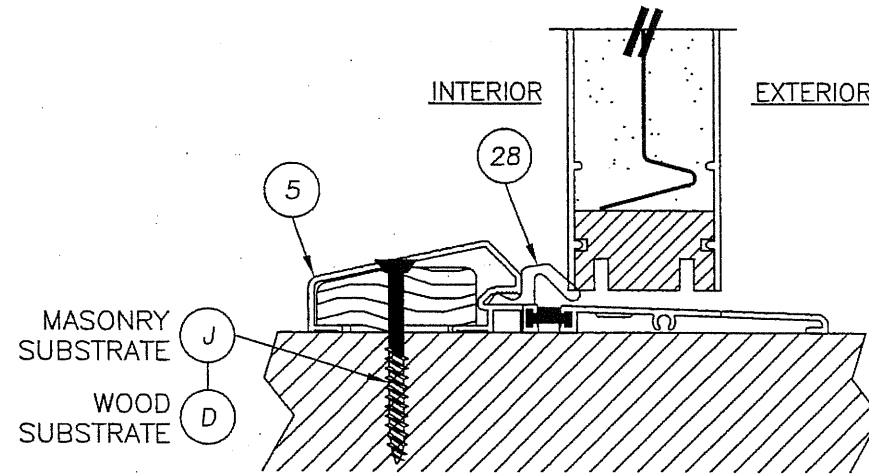
EXT. SHEATHING

Detailed description: This technical drawing shows a cross-section of a window frame assembly. The left side is labeled 'INTERIOR' and shows a wooden frame with a vertical section labeled '8' and a horizontal section labeled '9'. A screw is shown passing through these sections into a 'C-SINK' which is dimensioned as '0.14" MIN.'. To the right of the sink is a 'SHIM SPACE' dimensioned as '1/4" MAX. (TYP.)'. Further right is a 'DRYWALL'. The right side of the drawing is labeled 'EXTERIOR' and shows a cross-section of a window pane (labeled '53') set within a frame. The frame has a vertical section labeled 'C' and a horizontal section labeled 'B'. The exterior of the frame is labeled 'EXT. SHEATHING'.

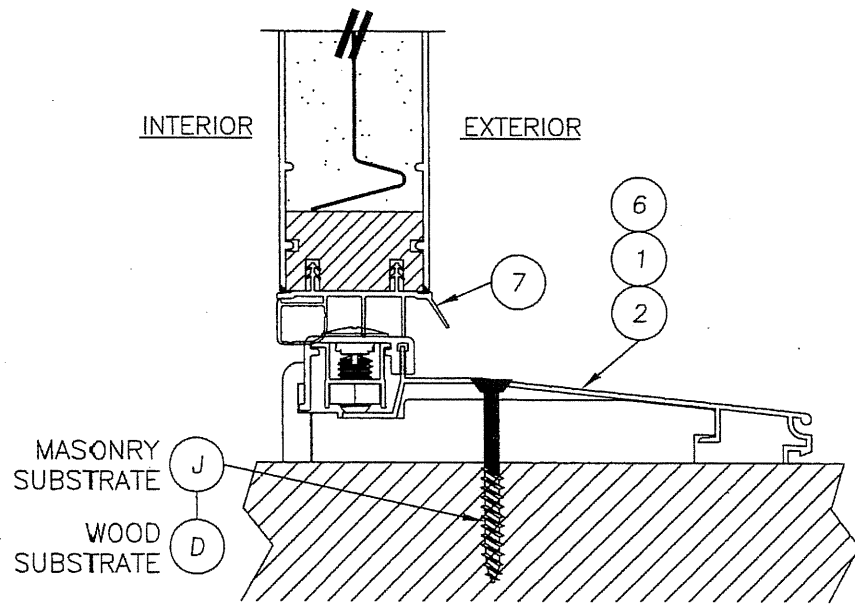
© 2006 R.W. BUILDING CONSULTANTS INC.



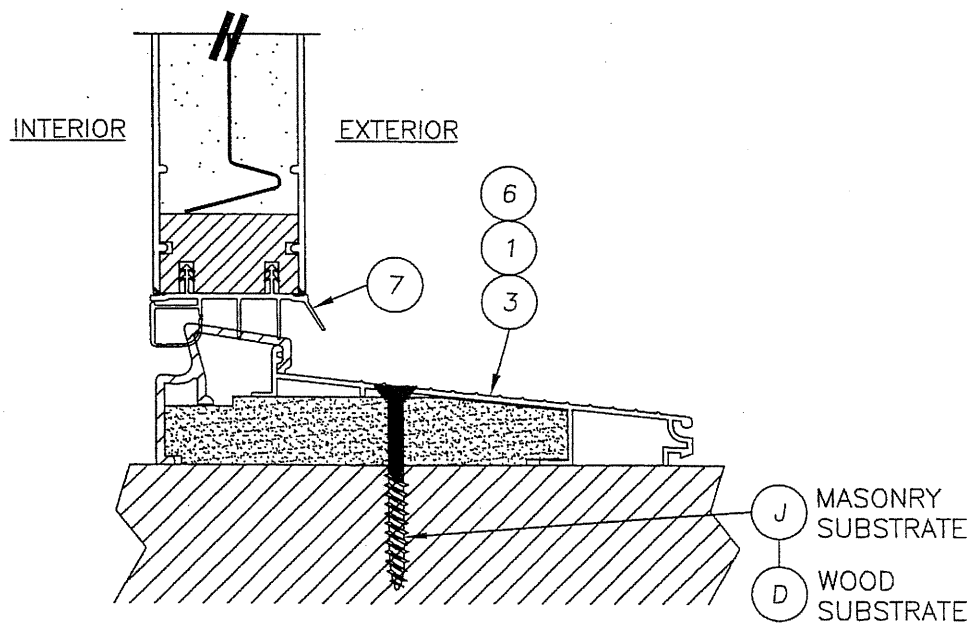
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6 @ HEAD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



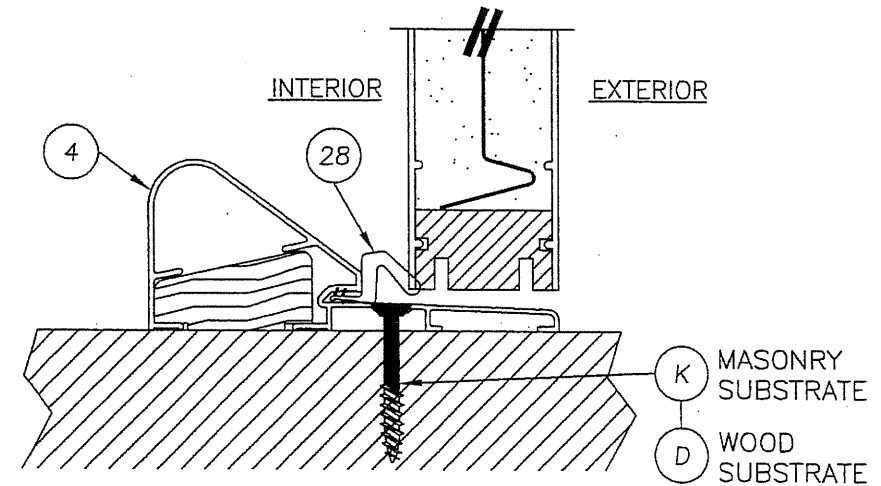
3 VERTICAL CROSS SECTION
6 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



4 VERTICAL CROSS SECTION
6 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



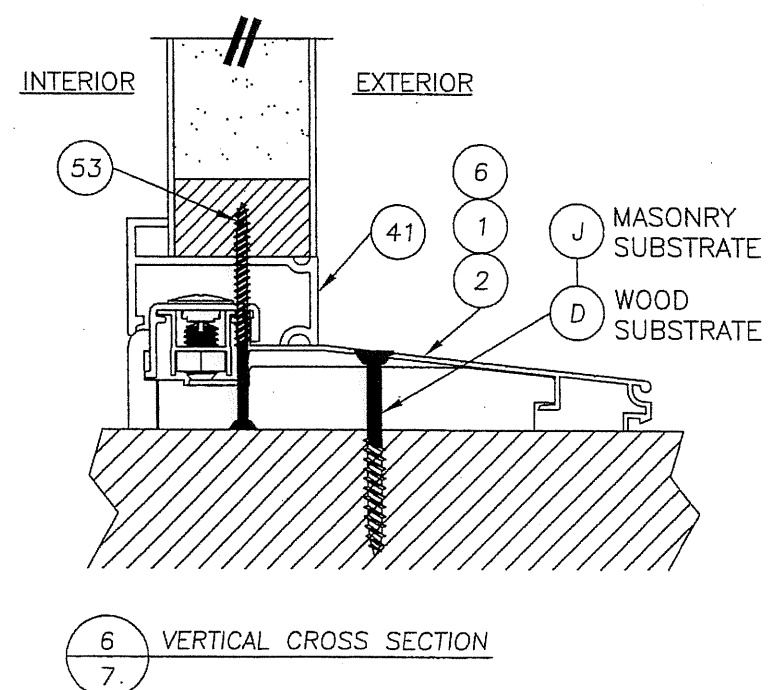
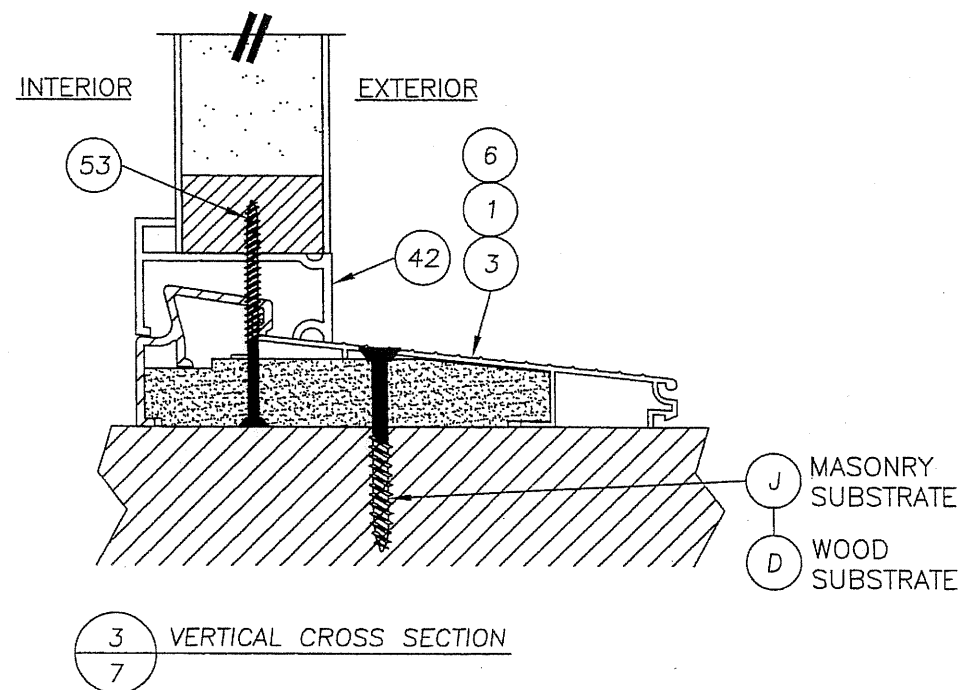
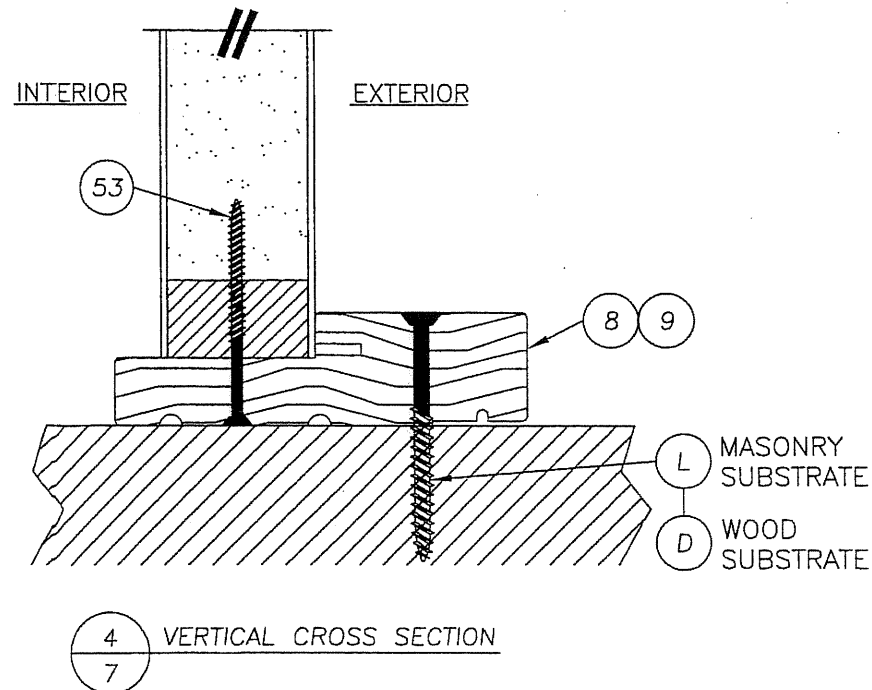
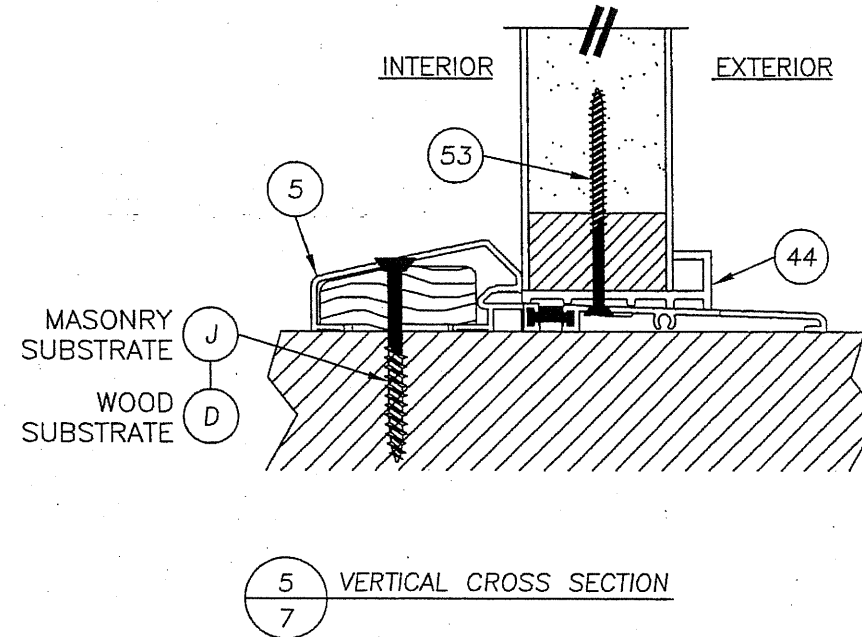
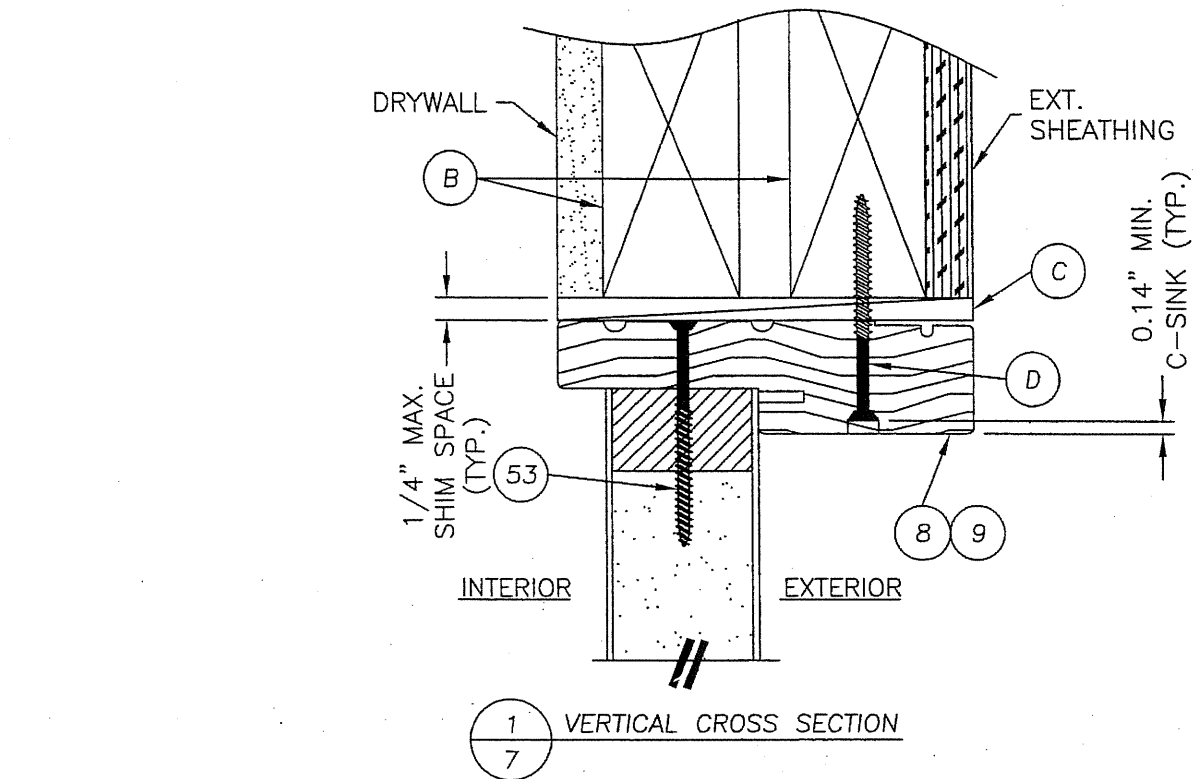
5 VERTICAL CROSS SECTION
6 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



6 VERTICAL CROSS SECTION
6 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES

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	
		Wendell W. Henney, P.E. No. 54158	
PRODUCT:		SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITE "IMPACT" INSWING / OUTSWING	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
		BY	
		NO.	
		DATE	
		REVISIONS	
DATE: 12/15/06			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: WWH			
DRAWING NO.: TX-3176			
SHEET 6 OF 10			

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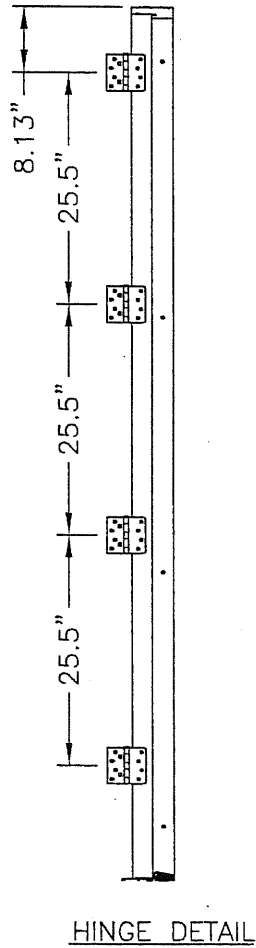
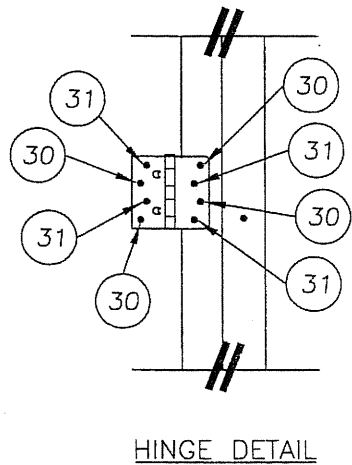


DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3176
SHEET 7 OF 10

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

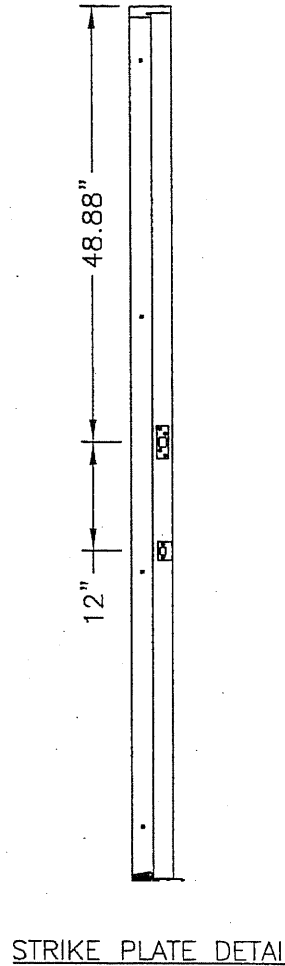
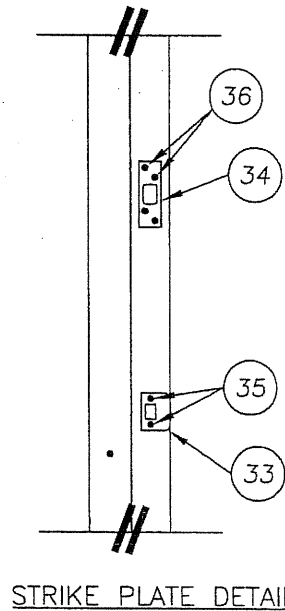
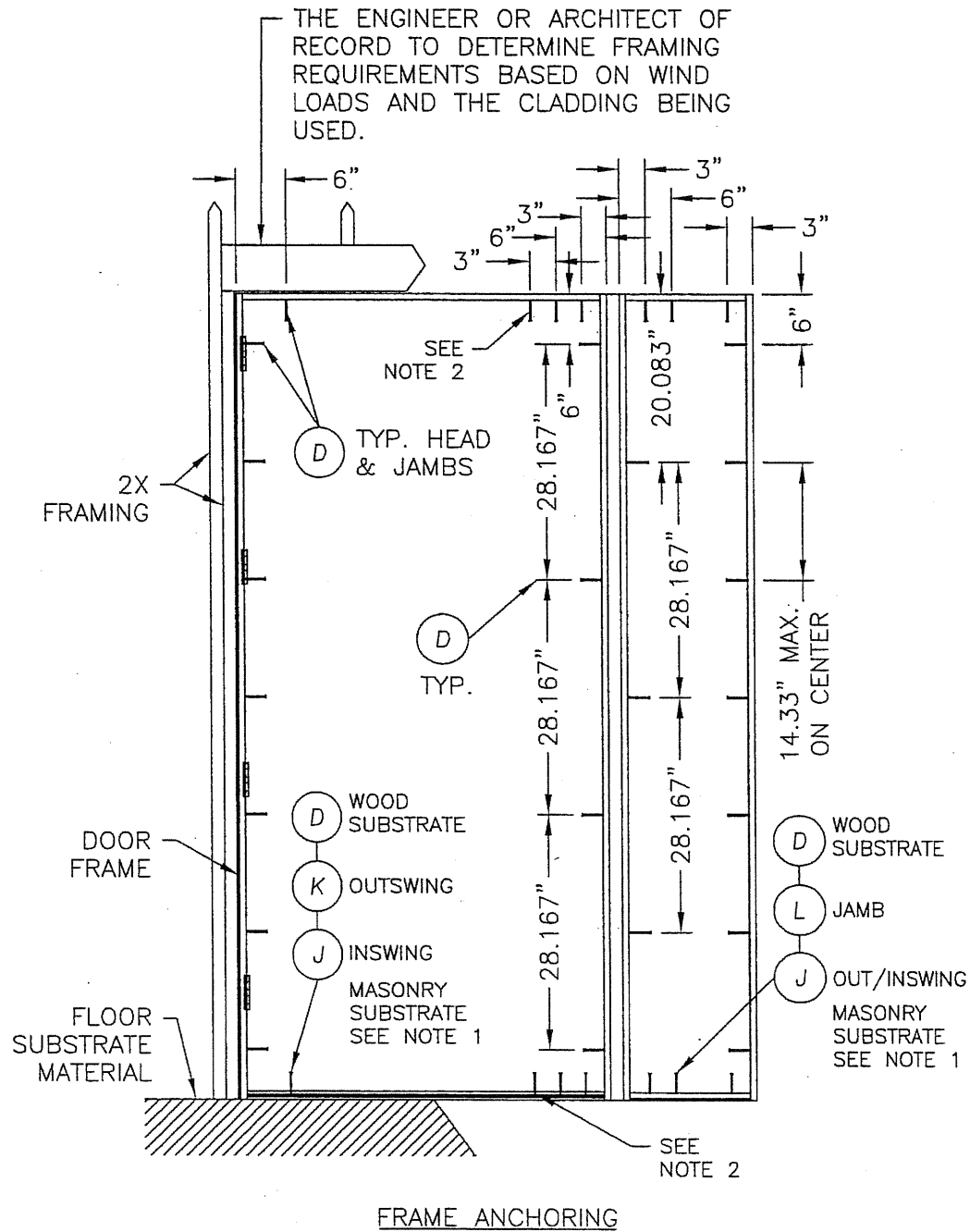
NO.	DATE	BY

Documents Prepared By:
R.W. 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
2-16-07



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. THESE SCREWS ARE REQUIRED ONLY WHEN THE DP EXCEEDS 54 PSF.



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	
Wendell W. Haney, P.E.		2-16-07	
PRODUCT:		SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITE "IMPACT" INSWING / OUTSWING	
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-3176		SHEET 8 OF 10	

2.141"

2.141"

A technical cross-sectional drawing of a mechanical assembly. The drawing shows a curved upper component, possibly a spring or a guide, positioned above a series of horizontal layers or a stack of plates. A dimension line at the top indicates a length of 4.568 inches from the left vertical reference line to the right edge of the main assembly. Another dimension line on the left indicates a height of 1.880 inches from the bottom reference line to the peak of the curved component. The assembly appears to be mounted on a base plate.

Technical drawing of a mechanical part, likely a bracket or support. The drawing shows a side view with two vertical supports. The overall height is dimensioned as 0.840. The distance between the two vertical supports is dimensioned as 2.063. The part has a horizontal top surface and a base with two U-shaped cutouts.

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BILL OF MATERIALS			BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
B	2X FRAMING	WOOD	40	INSWING SIDELITE SPACER FOR ADJUSTABLE THRESHOLD (DB14AJA)	PVC
C	1/4" MAX. SHIM SPACE	WOOD	41	INSWING SIDELITE SPACER FOR HP THRESHOLD (DB14HPA)	PVC
D	#10 X 2-1/2" PFH WOOD SCREW	STEEL	42	INSWING SIDELITE SPACER FOR SELF ADJUST THRESHOLD (DB14)	PVC
G	KWIKSET 200 SERIES PASSAGE LOCK	STEEL	43	INSWING SIDELITE SPACER	PVC
H	KWIKSET 600 SERIES DEADBOLT	STEEL	44	OUTSWING SIDELITE SPACER	PVC
I	1/4" X 3-3/4" ITW TAPCON	STEEL	45	SIDELITE TOP RAIL	PVC
J	1/4" X 2-1/4" ITW TAPCON	STEEL	46	SIDELITE SKIN 0.070" THK. (SMOOTH STAR) Fy = 6,000 PSI MIN.	FIBERGLASS
K	1/4" X 1-3/4" ITW TAPCON	STEEL	47	SIDELITE SKIN 0.090" THK. (CLASSIC CRAFT) Fy = 6,000 PSI MIN.	FIBERGLASS
L	1/4" X 2-3/4" ITW TAPCON	STEEL	48	SIDELITE SKIN 0.070" THK. (FIBER CLASSIC) Fy = 6,000 PSI MIN.	FIBERGLASS
P	2X MULLION	WOOD	49	#6 X 1-3/4" PFH SCREW (LITE FRAME)	STEEL
1	INSWING ADJUSTABLE THRESHOLD (IS300AJ)	ALUM./WOOD	50	LITE FRAME FIBER CLASSIC	PVC
2	INSWING THRESHOLD (IS300HP5)	-	51	LITE FRAME SMOOTH STAR	PVC
3	INSWING SELF ADJUST THERMAL BREAK THRESHOLD (ISP30M)	ALUM./COMP.	52	DOOR BOTTOM SWEEP	VINYL
4	OUTSWING COASTAL THRESHOLD	ALUM./WOOD	53	#9 X 2-1/2" PFH WOOD SCREW (JAMB TO SIDELITE)	STEEL
5	OUTSWING STANDARD THRESHOLD	ALUM./WOOD	54	3/4" INSULATED GLASS 1/8" TEMPERED - AIR - 1/8" TEMPERED	GLASS
6	INSWING THRESHOLD	-	55	1" INSULATED GLASS 1/8" TEMPERED - AIR - 1/8" TEMPERED	GLASS
7	DOOR BOTTOM SWEEP	VINYL	56	1/2" INSULATED GLASS 1/8" TEMPERED - AIR - 1/8" TEMPERED	GLASS
8	JAMB (PINE)	WOOD	57	GLAZING COMPOUND	SILICONE
9	JAMB (OAK)	WOOD	58	SEALANT	SILICONE
10	HINGE STILE (SMOOTH STAR)	WOOD	59	#9 X 1" PPH SCREW (LITE FRAME)	STEEL
11	LOCK STILE (SMOOTH STAR)	LVL/WOOD	60	SIDELITE STILE	WOOD
12	TOP RAIL (SMOOTH STAR)	PVC	61	SIDELITE BOTTOM RAIL	PVC
13	BOTTOM RAIL (SMOOTH STAR)	PVC	62	HINGE STILE (FIBER CLASSIC)	WOOD
14	PANEL REINFORCEMENT 0.023" THK. (SMOOTH STAR)	STEEL	63	LOCK STILE (FIBER CLASSIC)	LVL/WOOD
15	DOOR SKIN 0.072" THK. (SMOOTH STAR) Fy = 6,000 PSI MIN.	FIBERGLASS	64	TOP RAIL (FIBER CLASSIC)	PVC
27	FOAM CORE	POLYURETHANE	65	BOTTOM RAIL (FIBER CLASSIC)	PVC
28	WEATHERSTRIP	FOAM	66	PANEL REINFORCEMENT 0.023" THK. (FIBER CLASSIC)	STEEL
29	HINGE	STEEL	67	DOOR SKIN 0.072" THK. (FIBER CLASSIC) Fy = 6,000 PSI MIN.	FIBERGLASS
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			
36	#8 X 3" PFH SCREW	STEEL			

Documents Prepared By:

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P.O. Box 230 Valrico FL 33585

Phone No.: 813.659.9197

Florida Board of Professional Engineers

Certificate Of Authorization No. 9813

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

PRODUCT:		PART OR ASSEMBLY:		BILL OF MATERIALS	
SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITE "IMPACT" INSWING / OUTSWING					

THERMA TRU®

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

SMOOTH STAR & FIBER CLASSIC

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

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:

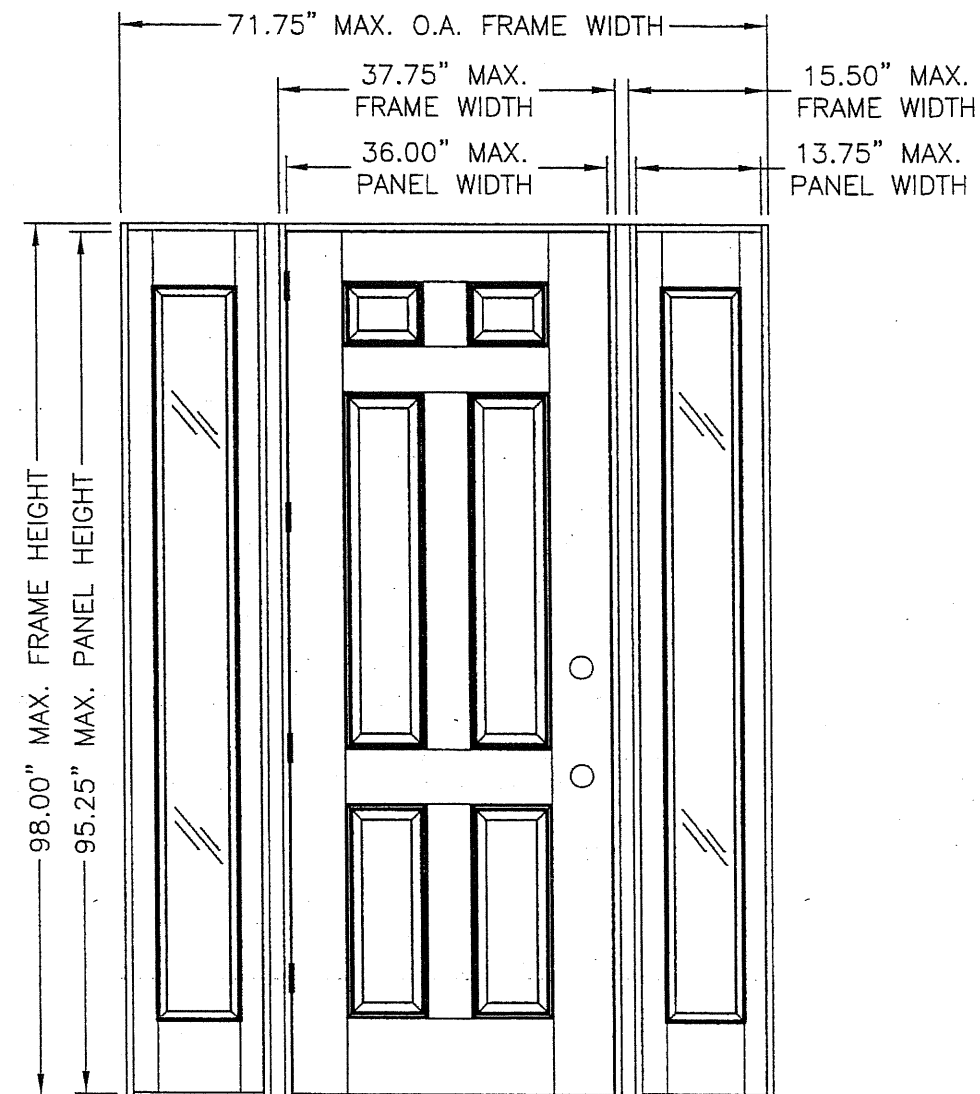
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. When used in wind borne debris regions (SEAWARD and INLAND I ZONES), the Door Panel complies with Sections R301.2.1.2 and 1609.1.4 as an impact resistant product and does not require the use of an approved impact resistant covering. The Sidelite Panels do not meet impact resistant requirements and must be protected with an impact resistant covering in compliance with sections R301.2.1.2 and 1609.1.4. 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 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, dated October 31, 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 ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES
2	DOOR PANEL DETAILS (SMOOTH STAR)
3	DOOR PANEL DETAILS (FIBER CLASSIC)
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



"SMOOTH STAR" & "FIBER CLASSIC"

DOOR TYPE	SWING	OVERALL FRAME DIMENSION	OVERALL SIDELITE D.L.O. DIMENSION	DESIGN PRESSURE	
				POSITIVE	NEGATIVE
SMOOTH STAR	OUTSWING	71.75" X 96.50"	6.75"	+65.0	-65.0
	INSWING	71.75" X 98.00"		+65.0	-65.0
FIBER CLASSIC	OUTSWING	71.75" X 96.50"	79.00"	+65.0	-65.0
	INSWING	71.75" X 98.00"		+65.0	-65.0

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

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

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

REVISIONS

DATE: 12/15/06

SCALE: N.T.S.

DWG. BY: AEM

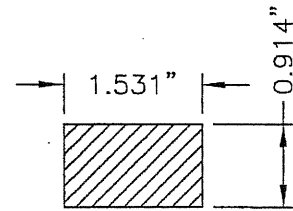
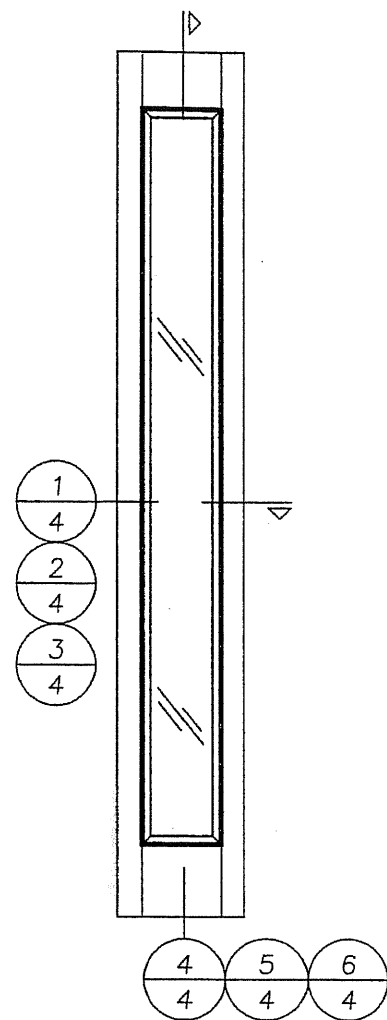
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DRAWING NO.:

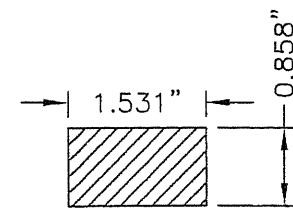
TX-3177

SHEET 1 OF 10

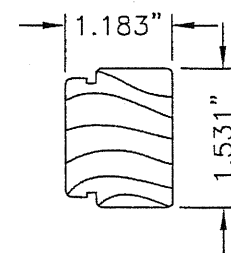
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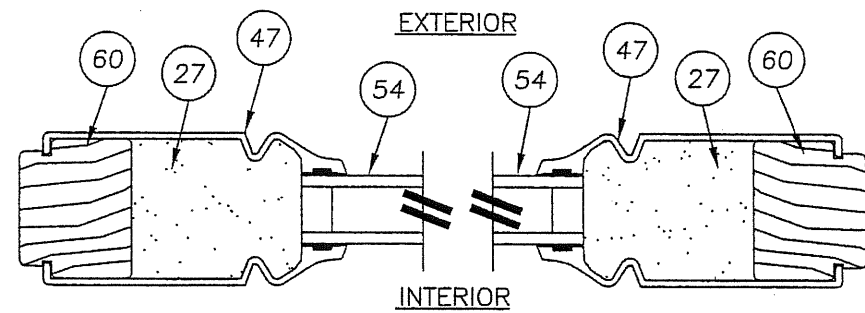
45 TOP RAIL
SIDELITE



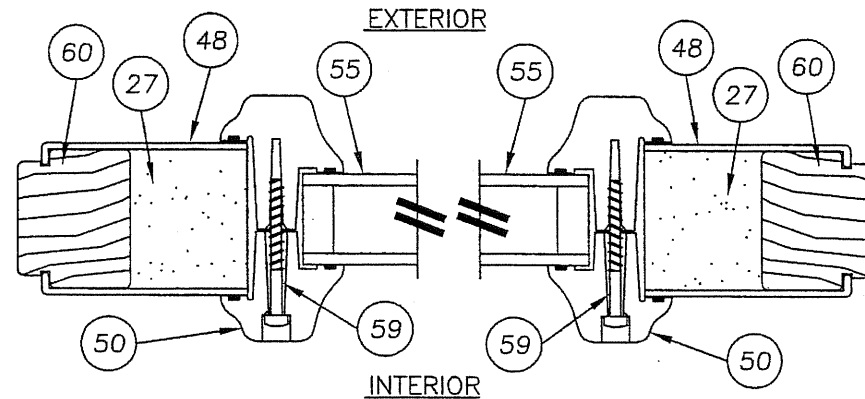
61 BOTTOM RAIL
SIDELITE



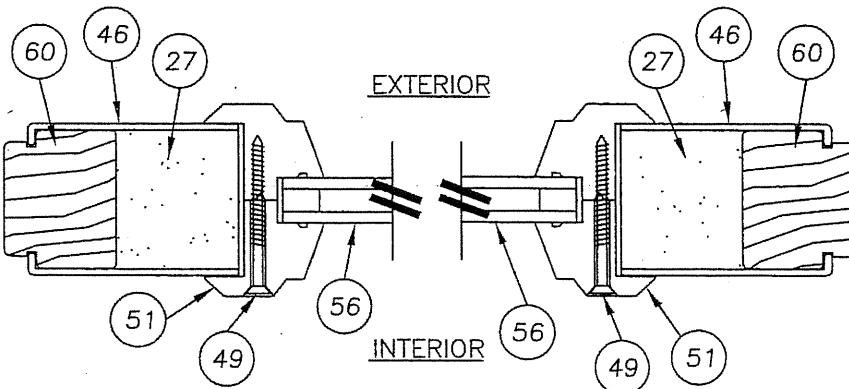
60 STILE
SIDELITE



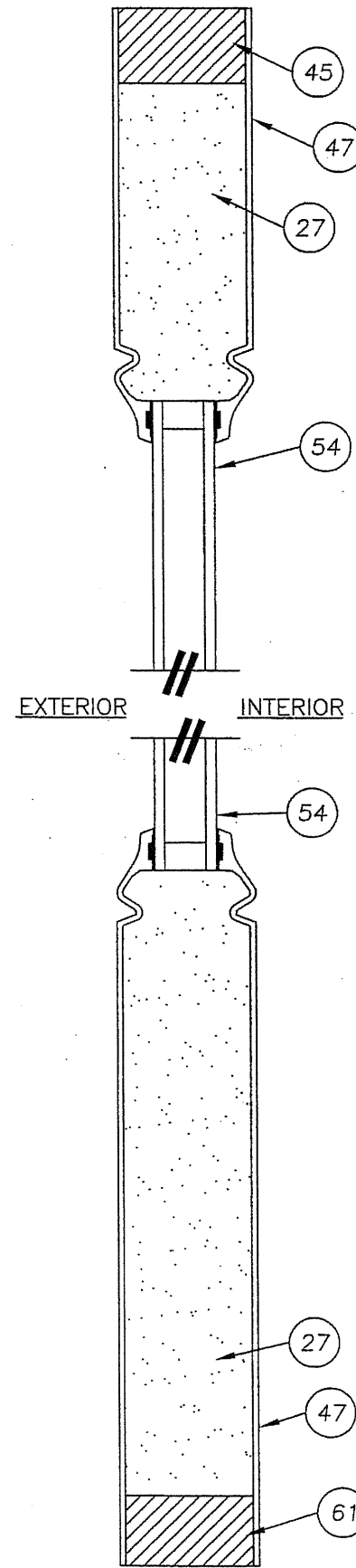
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4 (CLASSIC CRAFT)



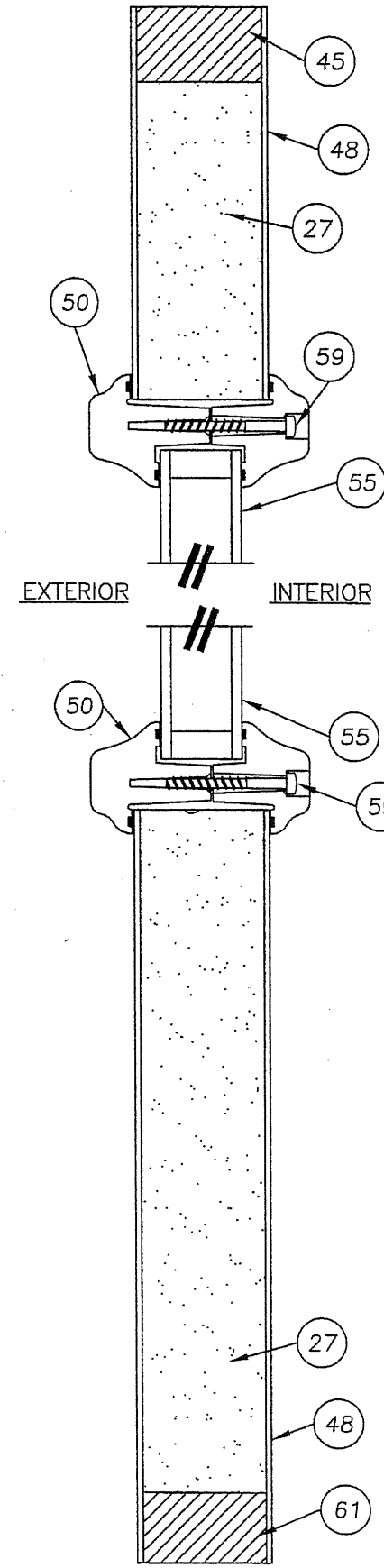
2 HORIZONTAL CROSS SECTION
4 (FIBER CLASSIC)



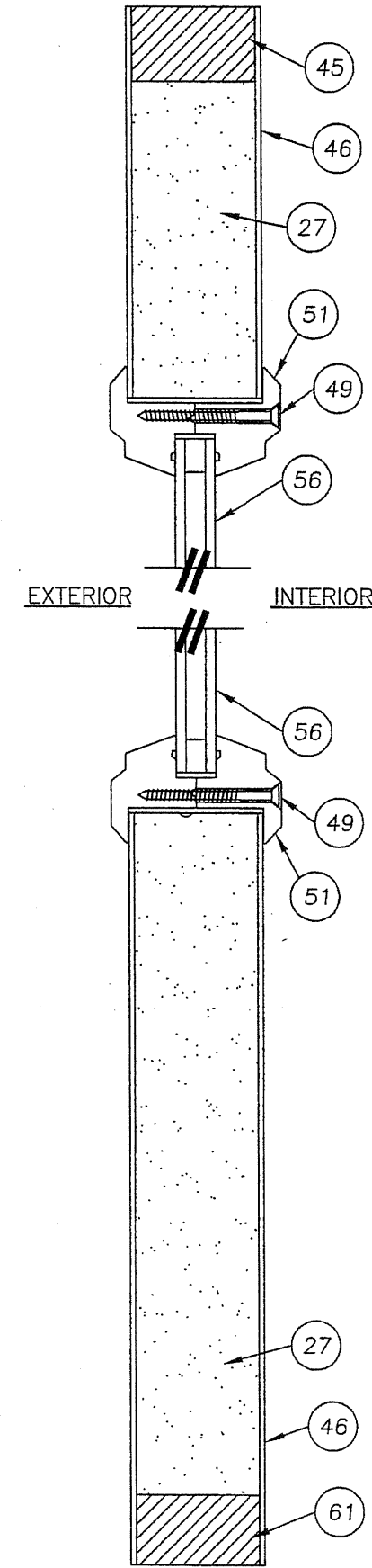
3 HORIZONTAL CROSS SECTION
4 (SMOOTH STAR)



4 VERTICAL CROSS SECTION
4 (CLASSIC CRAFT)



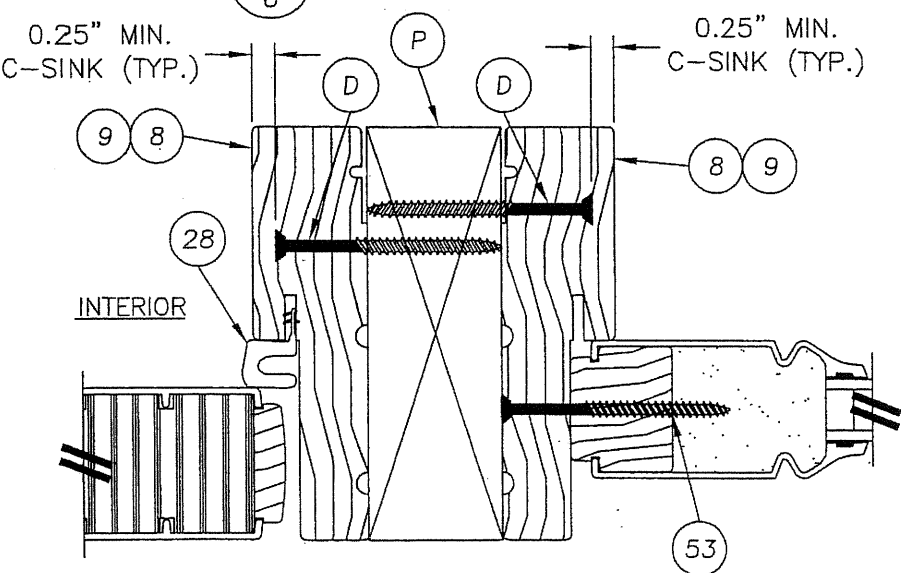
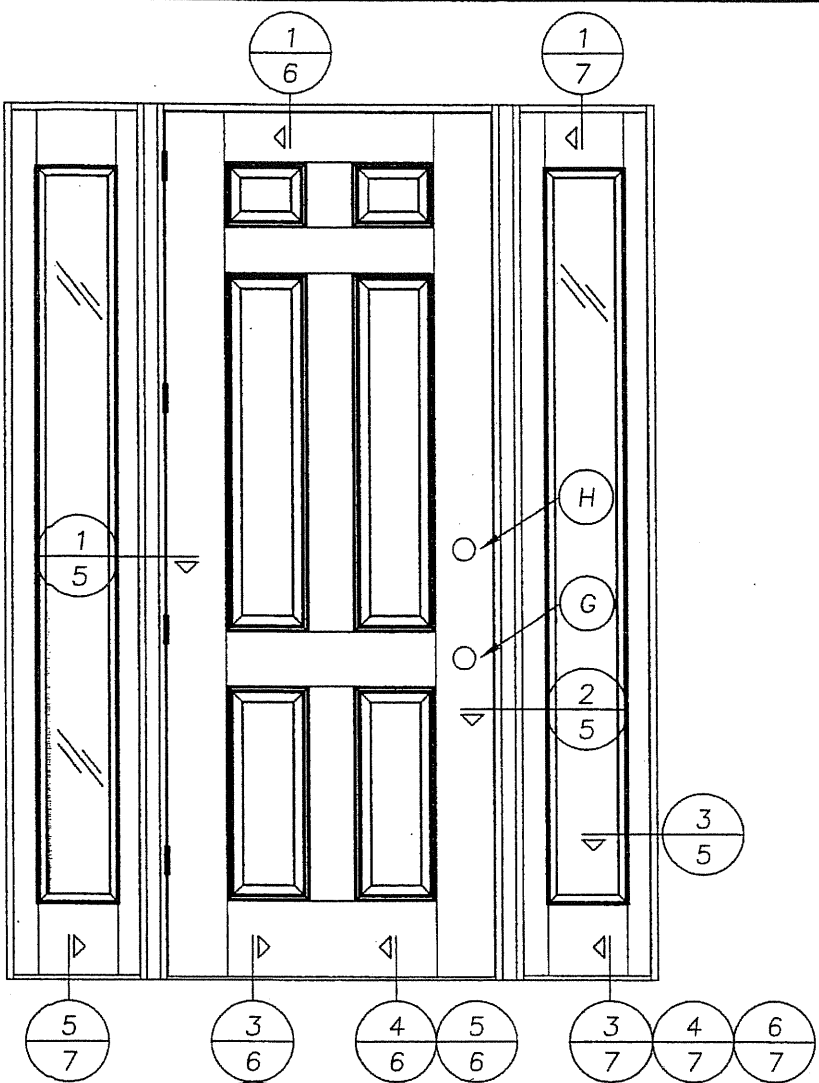
5 VERTICAL CROSS SECTION
4 (FIBER CLASSIC)



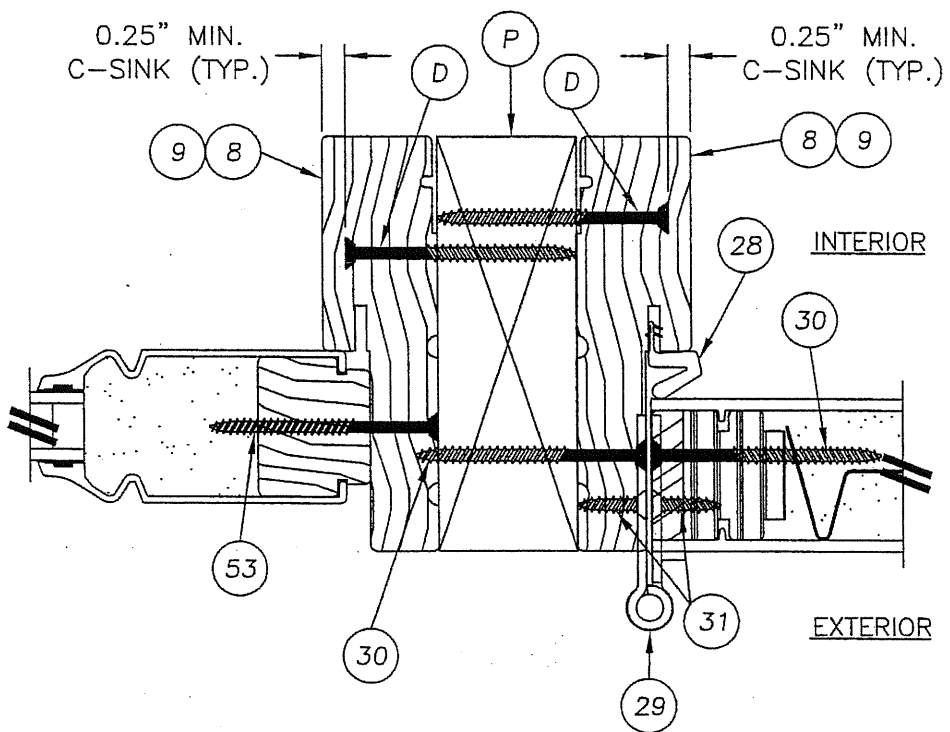
6 VERTICAL CROSS SECTION
4 (SMOOTH STAR)

Documents Prepared By:		R ^W 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 <i>Wendell W. Panel</i> 2-16-07 Wendell W. Panel, P.E. No. 54158	
PRODUCT:		SINGLE OPAQUE FIBERGLASS DOOR W/ SIDELITES "IMPACT" INSWING / OUTSWING	
PART OR ASSEMBLY:		SIDELITE PANEL DETAILS	
		BY	
NO.		DATE	
		REVISIONS	
DATE: 12/15/06			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: WWH			
DRAWING NO.: TX-3177			
SHEET 4 OF 10			

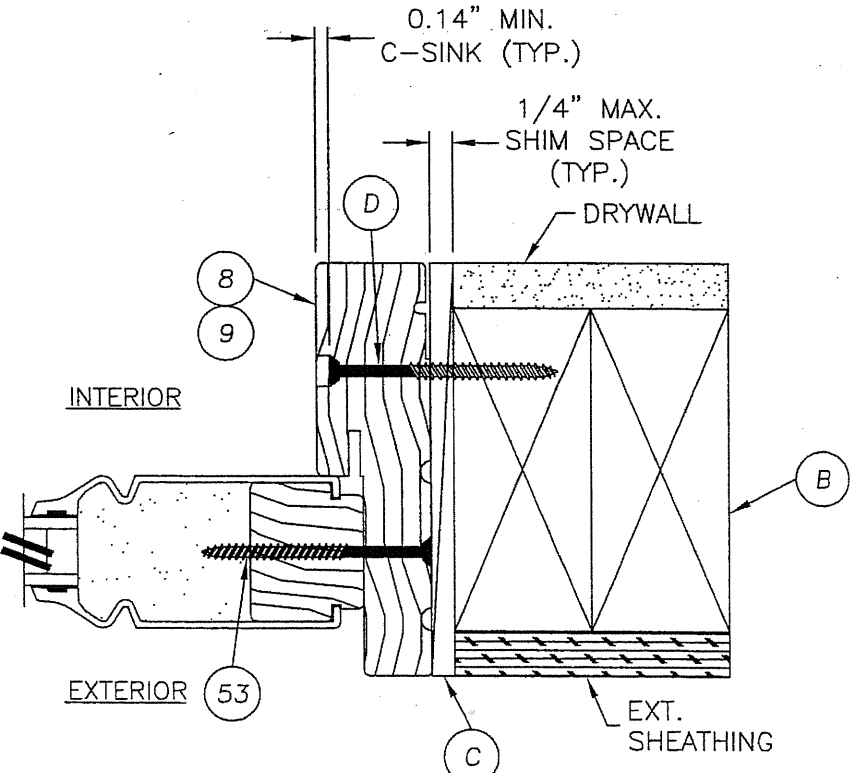
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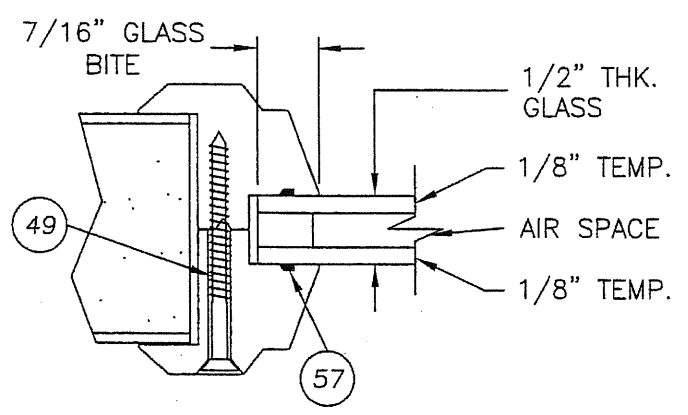
2 HORIZONTAL CROSS SECTION
@ LATCH
SMOOTH STAR PANEL SHOWN
SEE PANEL DETAILS FOR
OPTIONAL PANEL TYPES



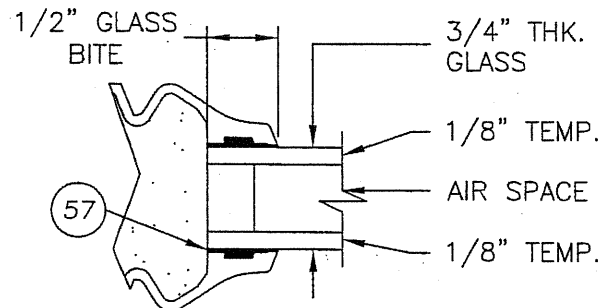
1 HORIZONTAL CROSS SECTION
@ HINGE
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



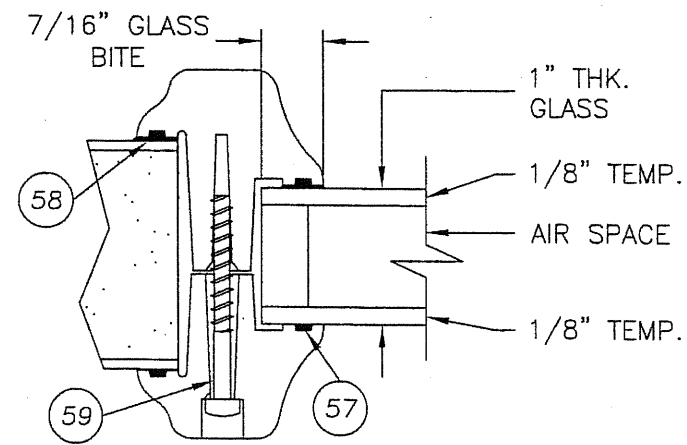
3 HORIZONTAL CROSS SECTION
@ SIDELITE
CLASSIC CRAFT PANEL SHOWN
SEE SIDELITE PANEL DETAILS FOR
OPTIONAL PANEL TYPES



56 GLAZING DETAIL
1/2" INSULATED GLASS



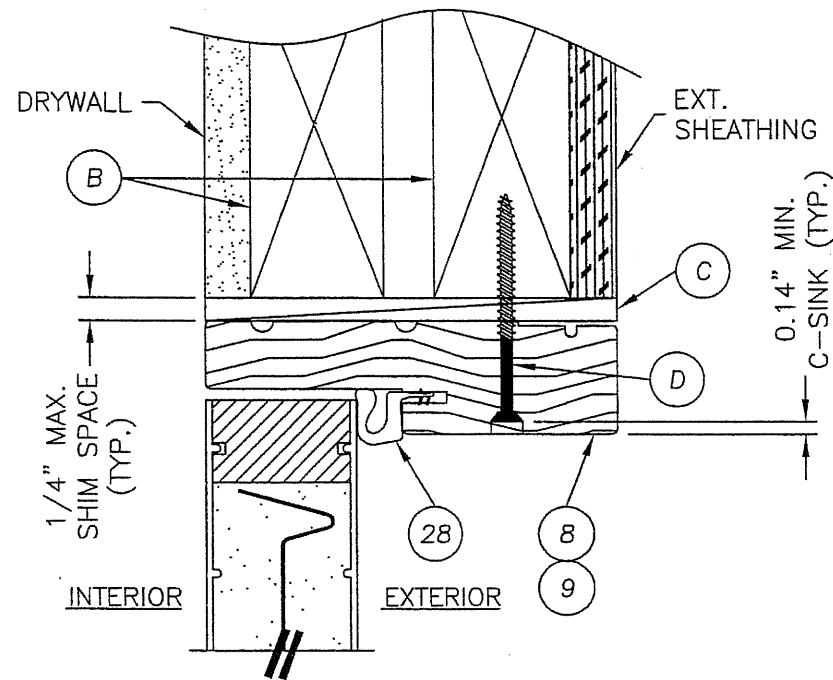
54 GLAZING DETAIL
3/4" INSULATED GLASS



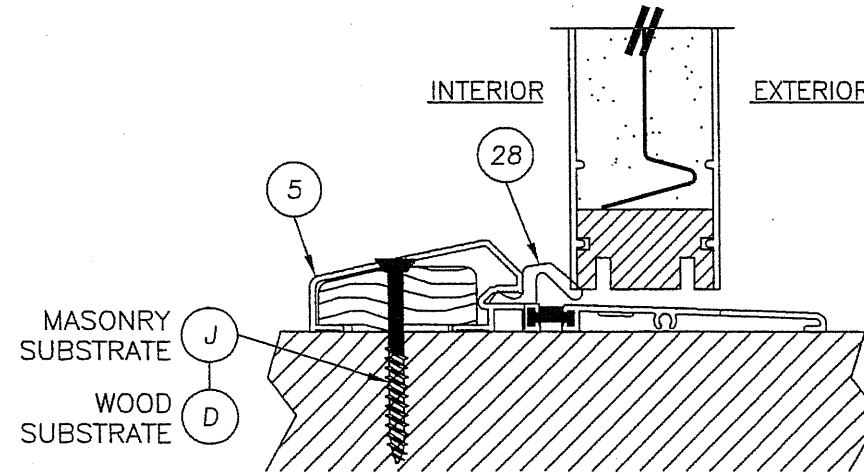
55 GLAZING DETAIL
1" INSULATED GLASS

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 <i>Wendell W. Haney, P.E.</i> 2-16-07 Wendell W. Haney, P.E. No. 54158	
PRODUCT:	SINGLE OPAQUE FIBERGLASS DOOR W/SIDELITES "IMPACT" INSWING / OUTSWING PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS & GLAZING DETAILS	
NO.	DATE
REVISIONS	
DATE: 12/15/06	
SCALE: N.T.S.	
DWG. BY: AEM	
CHK. BY: WWH	
DRAWING NO.: TX-3177	
SHEET 5 OF 10	

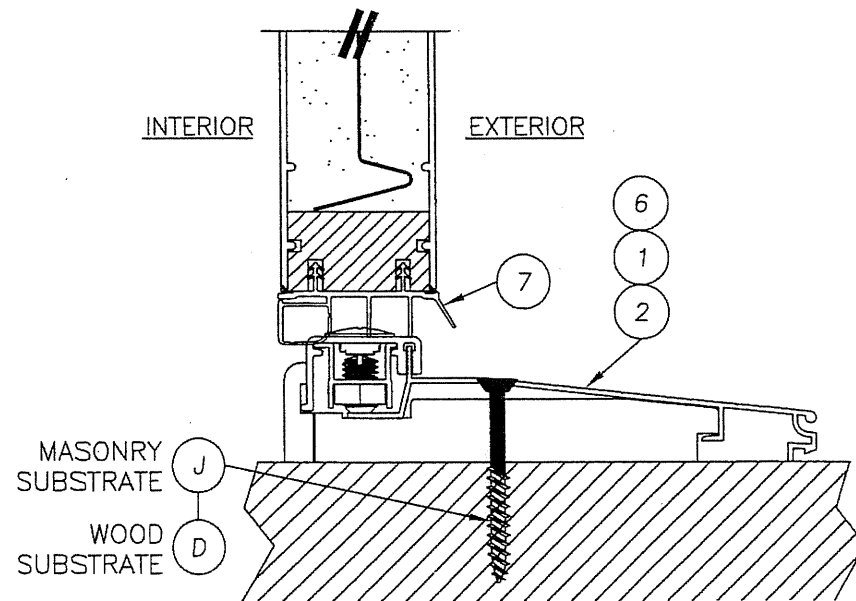
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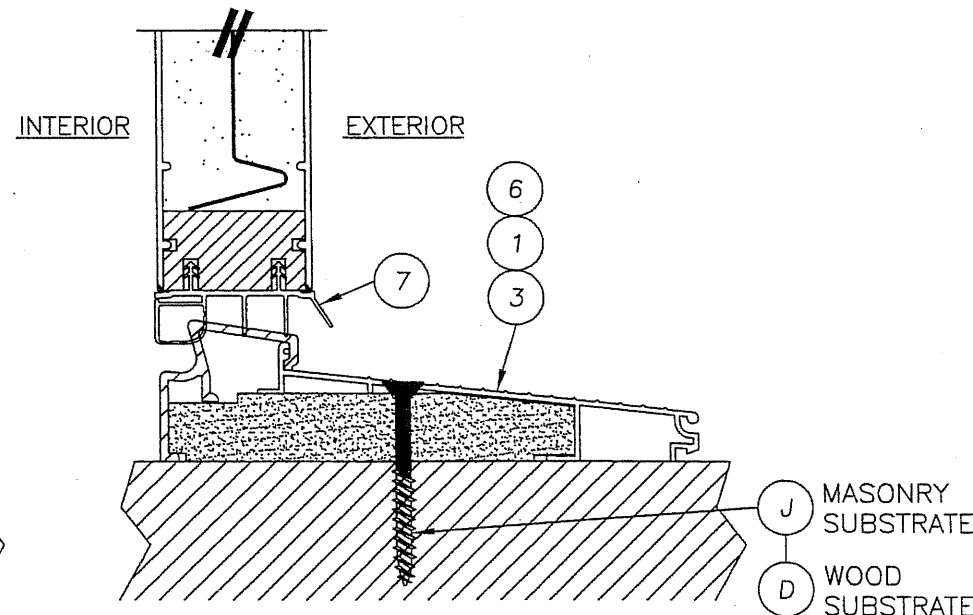
1 VERTICAL CROSS SECTION
6 @ HEAD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



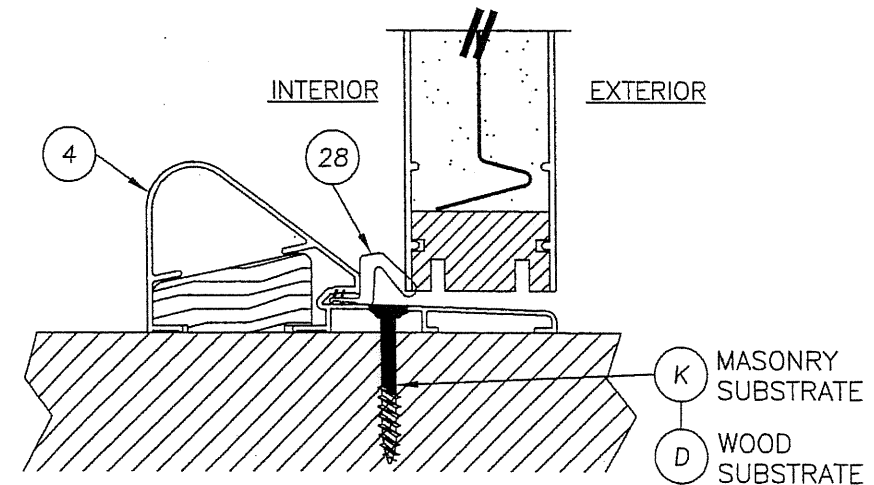
3 VERTICAL CROSS SECTION
6 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



4 VERTICAL CROSS SECTION
6 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



5 VERTICAL CROSS SECTION
6 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



6 VERTICAL CROSS SECTION
6 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES

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:

SINGLE OPAQUE
FIBERGLASS DOOR W/SIDELITES
"IMPACT" INSING / OUTSWING
PART OR ASSEMBLY:

VERTICAL CROSS SECTIONS

BY

REVISIONS

NO. DATE

DATE: 12/15/06

SCALE: N.T.S.

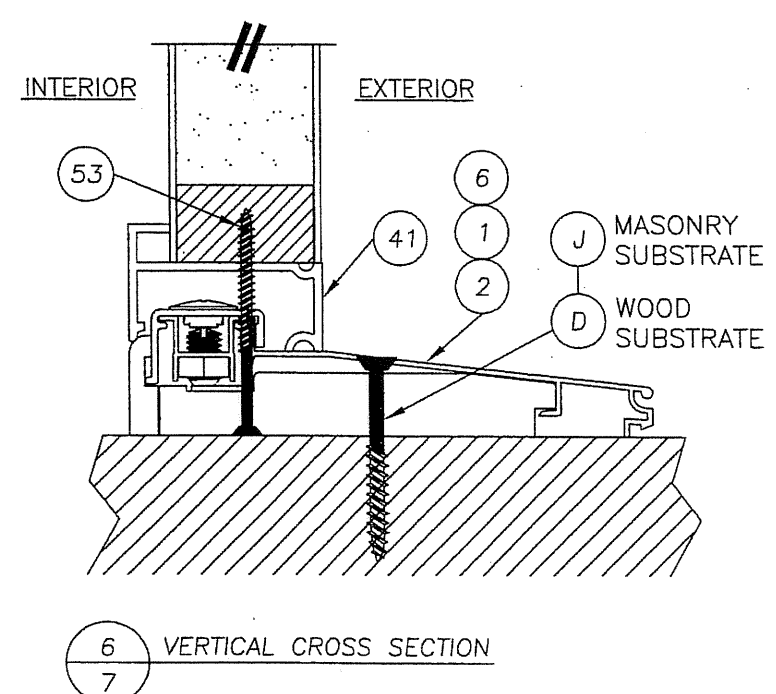
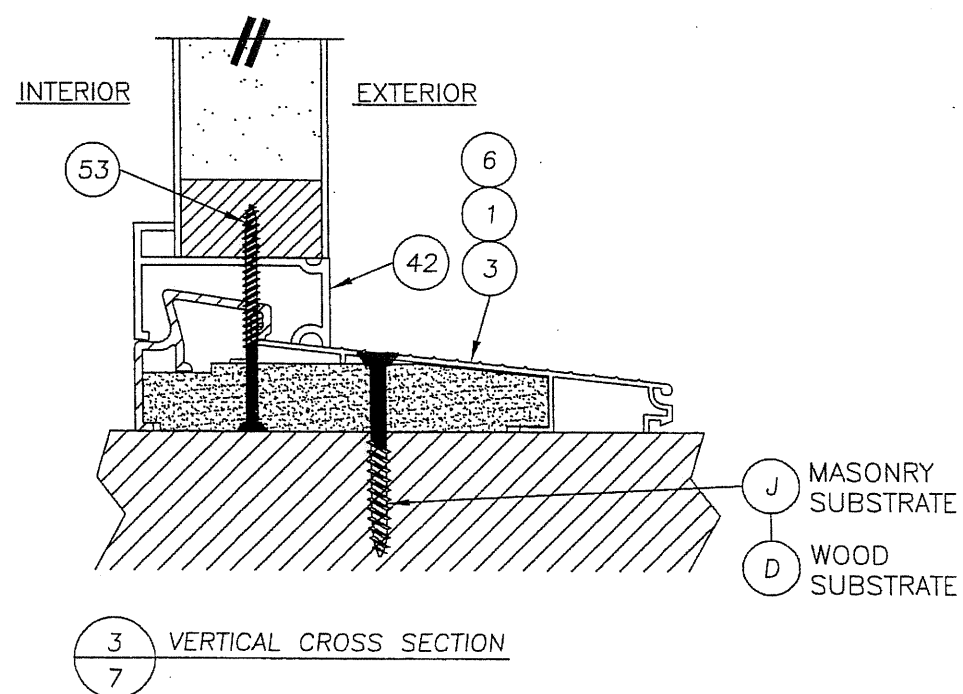
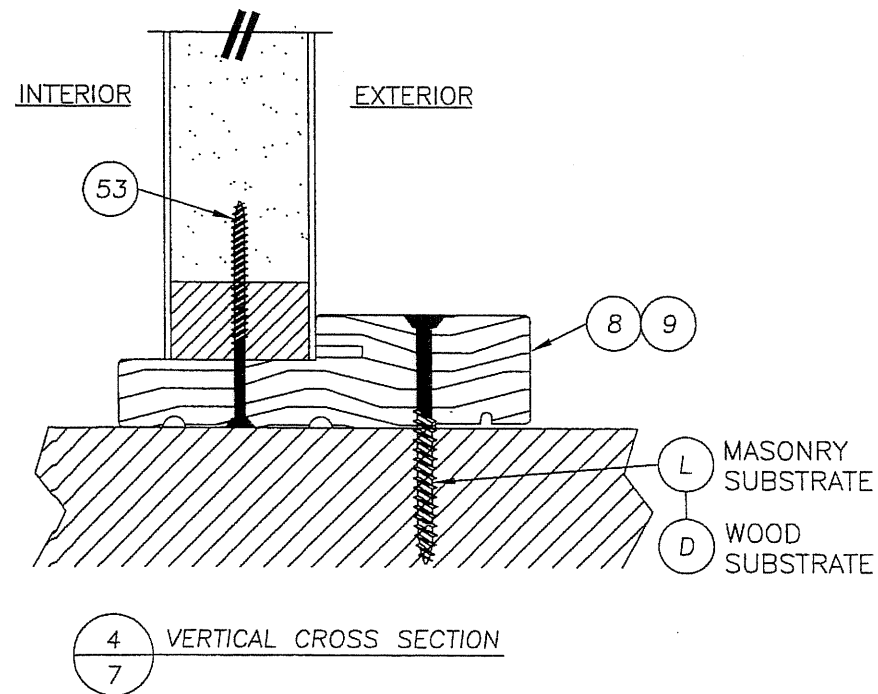
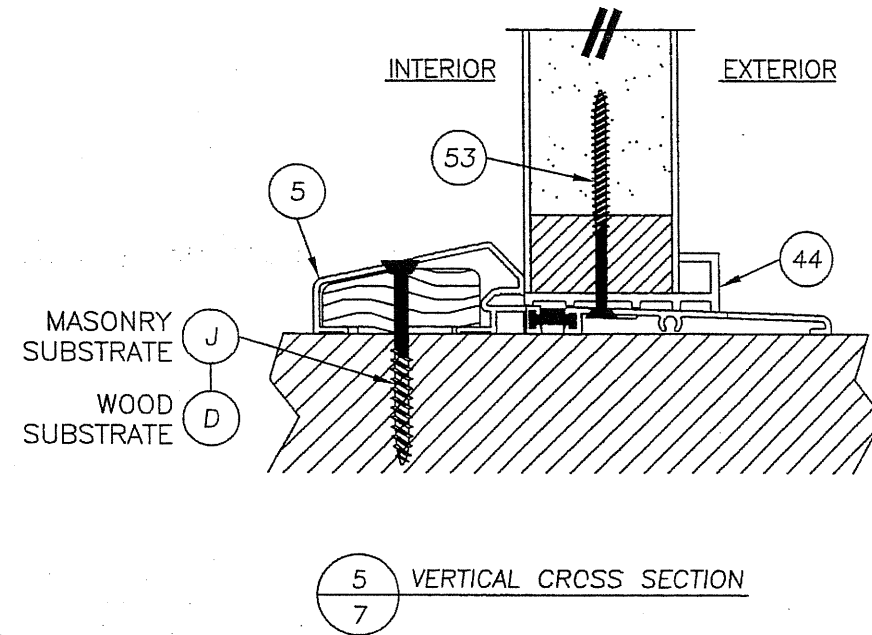
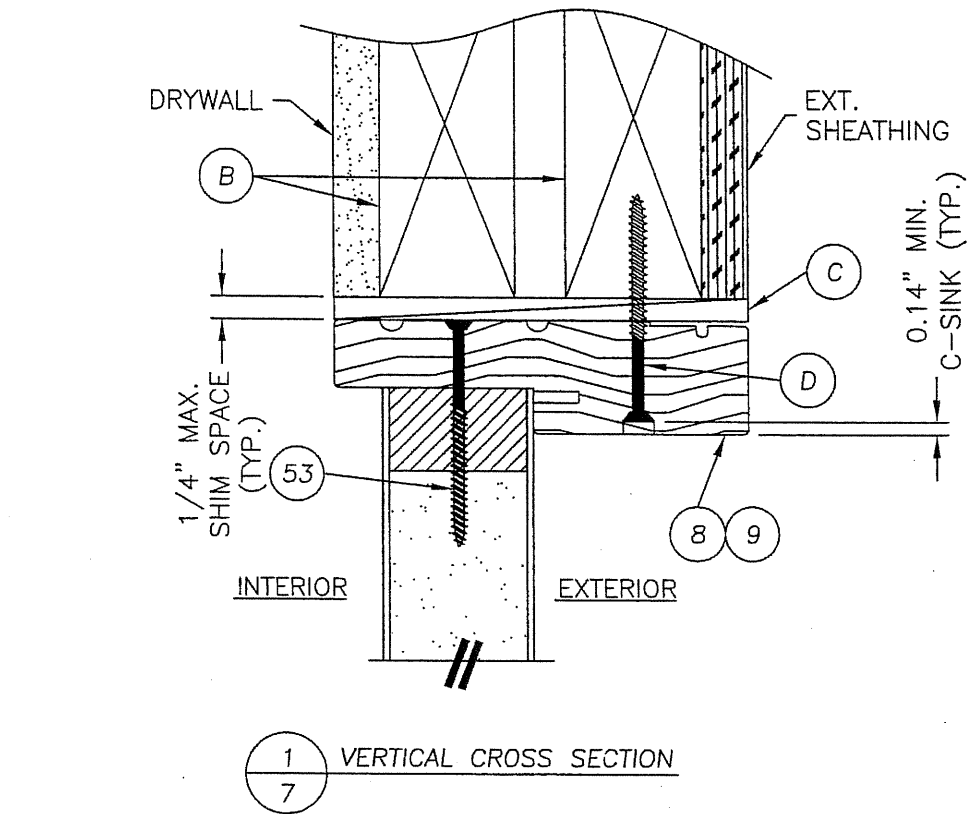
DWG. BY: AEM

CHK. BY: WWH

DRAWING NO.: TX-3177

SHEET 6 OF 10

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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. Hamby *216-07*
Wendell W. Hamby, P.E. No. 54158

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

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

REVISIONS

DATE: 12/15/06

SCALE: N.T.S.

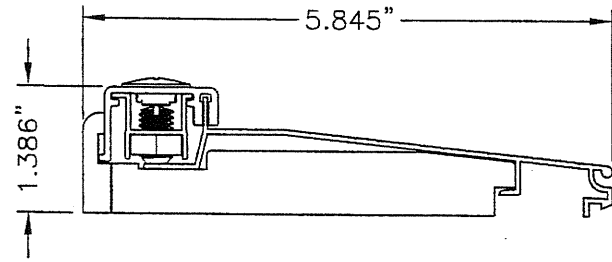
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CHK. BY: WWH

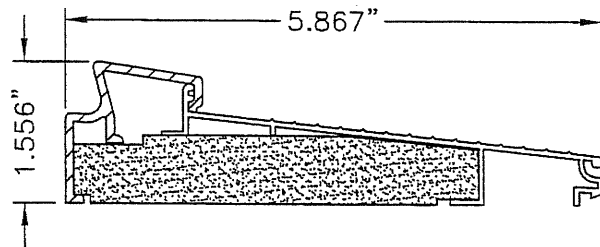
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TX-3177

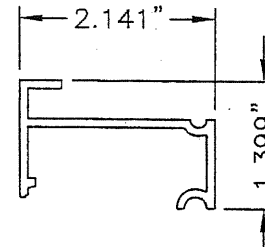
SHEET 7 OF 10



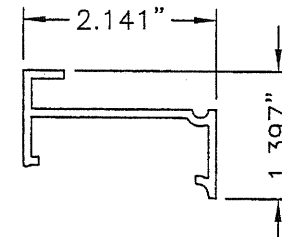
2 THRESHOLD
INSWING ADJUSTABLE



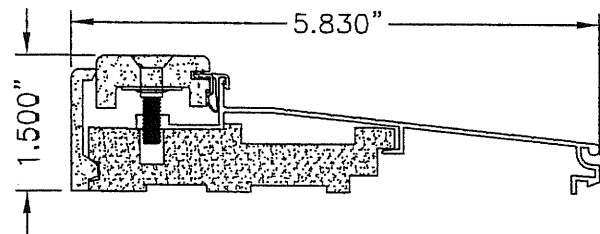
3 THRESHOLD
INSWING SELF-ADJUST



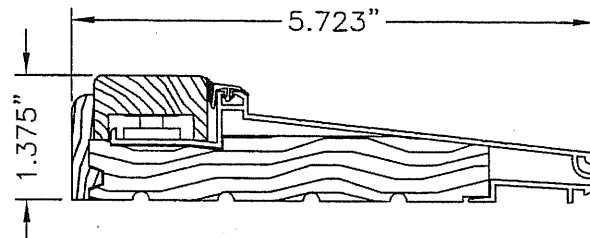
41 INSWING SIDELITE
SPACER



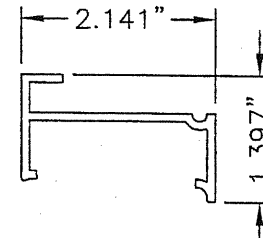
43 INSWING SIDELITE
SPACER



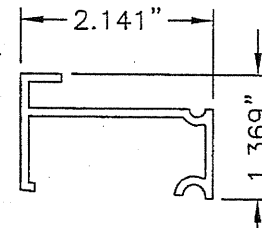
6 THRESHOLD
INSWING
MAX. DP RATING = +/- 50.0 PSF



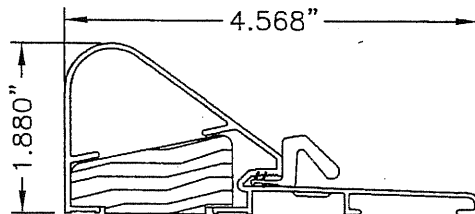
1 THRESHOLD
INSWING ADJUSTABLE



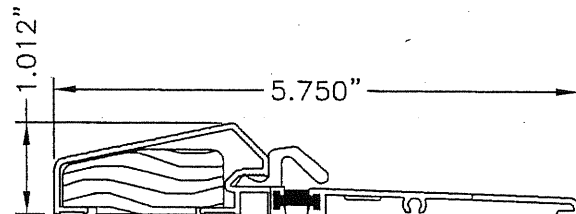
40 INSWING SIDELITE
SPACER



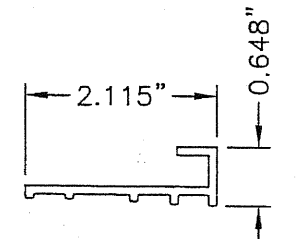
42 INSWING SIDELITE
SPACER



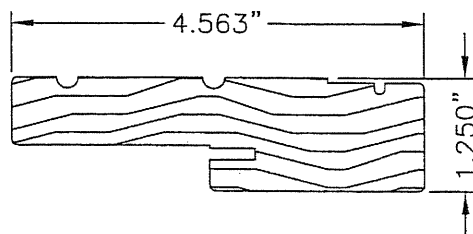
4 THRESHOLD
OUTSWING COASTAL



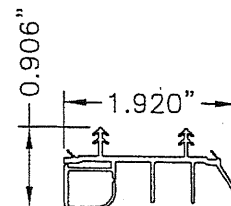
5 THRESHOLD
OUTSWING STANDARD



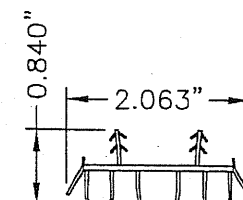
44 OUTSWING SIDELITE
SPACER



9 8 JAMB



7 SWEEP



52 SWEEP

Documents Prepared By:
R.W. 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. Hines, P.E. No. 54158
2-16-07

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

NO.	DATE	REVISIONS	BY

DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3177
SHEET 9 OF 10

THERMA-TRU®

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

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

EVALUATED FOR USE IN THE STATE OF TEXAS

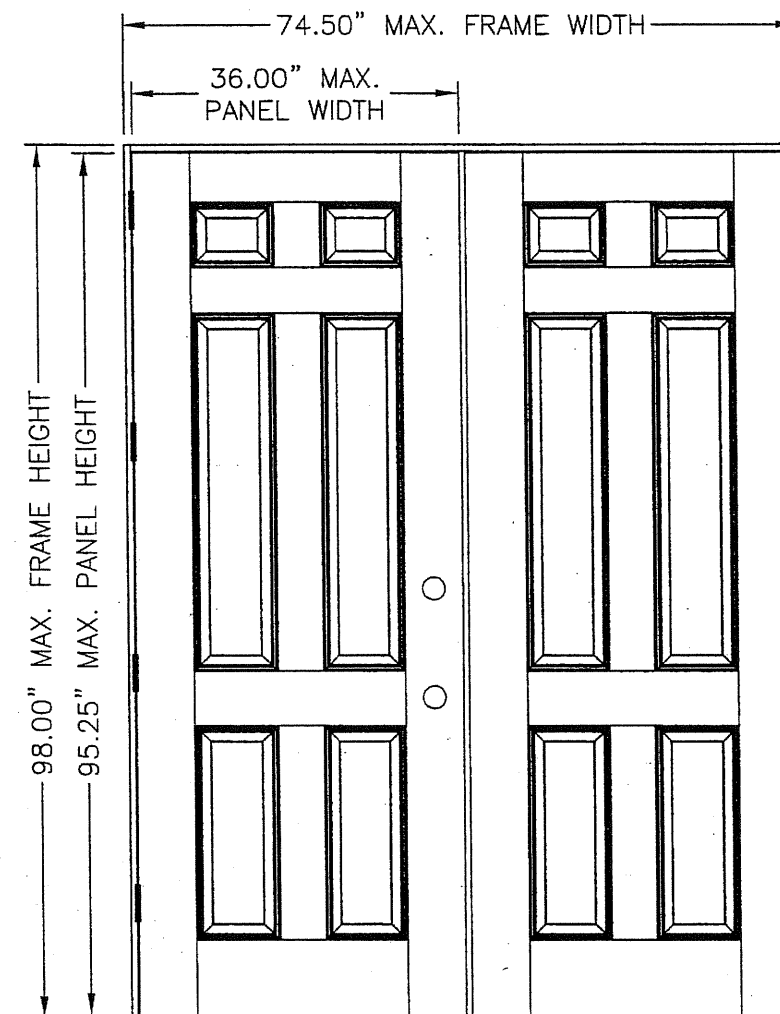
THE THERMA-TRU FIBERGLASS DOOR DESCRIBED HEREIN COMPLIES WITH THE INTERNATIONAL RESIDENTIAL CODE (IRC), SECTIONS R301 & R613 AND THE INTERNATIONAL BUILDING CODE (IBC), SECTIONS 1714.5 1405.12, 1609, 2403 AND 2404 (INCLUDING TEXAS REVISIONS) SUBJECT TO THE FOLLOWING CONDITIONS:

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 TAS 201-94, TAS 202-94 and TAS 203-94 as performed by Testing Evaluation Laboratories Inc. and reported in test report number TEL 06-1031-3, dated November 9, 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.
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 DETAILS (SMOOTH STAR)
3	DOOR PANEL DETAILS (CLASSIC CRAFT)
4	DOOR PANEL DETAILS (CLASSIC CRAFT RUSTIC)
5	DOOR PANEL DETAILS (FIBER CLASSIC)
6	HORIZONTAL CROSS SECTIONS
7	VERTICAL CROSS SECTIONS
8	FRAME ANCHORING
9	ASTRAGAL DETAILS
10	BILL OF MATERIALS & COMPONENTS



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

DOOR TYPE	SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE	
			POSITIVE	NEGATIVE
CLASSIC CRAFT	OUTSWING	74.50" X 96.50"	+65.0	-65.0
	INSWING	74.50" X 98.00"	+65.0	-65.0
FIBER CLASSIC	OUTSWING	74.50" X 96.50"	+65.0	-65.0
	INSWING	74.50" X 98.00"	+65.0	-65.0
SMOOTH STAR	OUTSWING	74.50" X 96.50"	+65.0	-65.0
	INSWING	74.50" X 98.00"	+65.0	-65.0
RUSTIC	OUTSWING	74.50" X 96.50"	+65.0	-65.0
	INSWING	74.50" X 98.00"	+65.0	-65.0

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
2-16-07

PRODUCT: DOUBLE OPAQUE FIBERGLASS DOOR
"IMPACT" INSWING / OUTSWING
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	BY	REVISIONS

DATE: 12/15/06

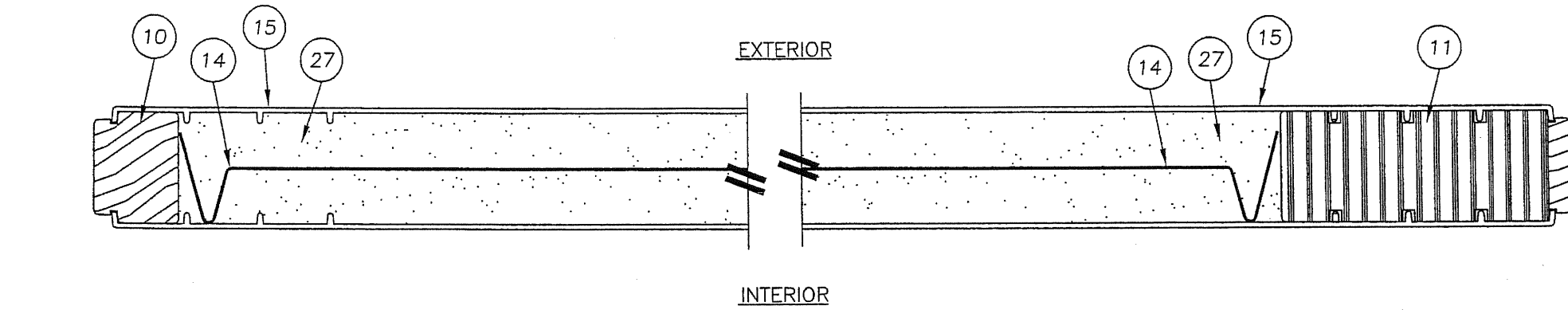
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DWG. BY: AEM

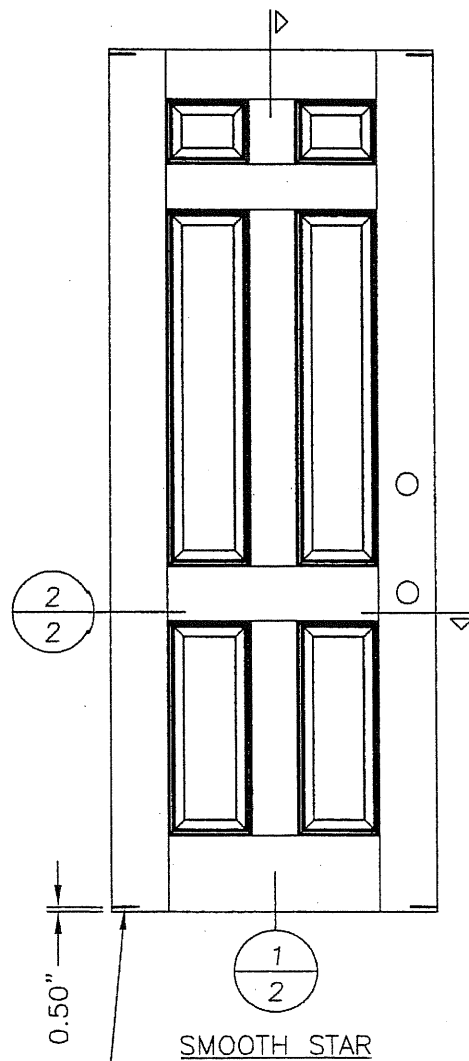
CHK. BY: WWH

DRAWING NO.: TX-3178

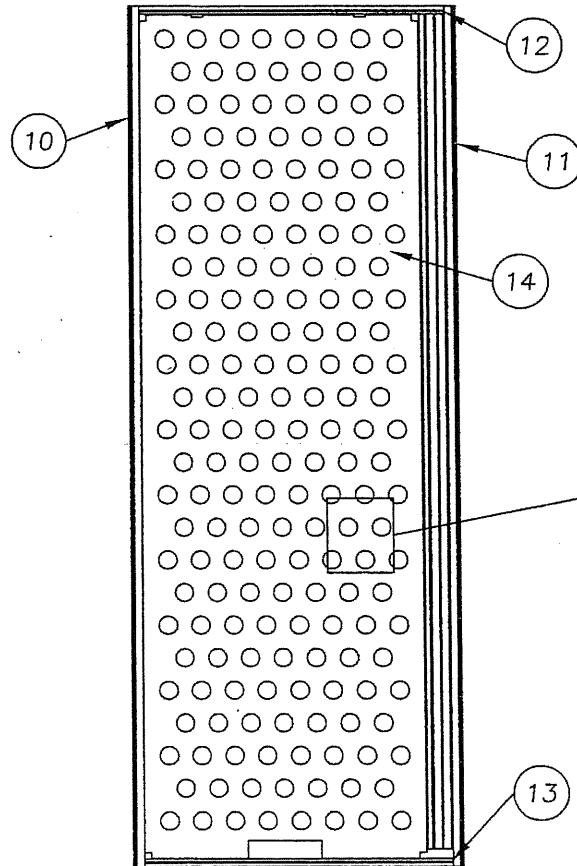
SHEET 1 OF 10



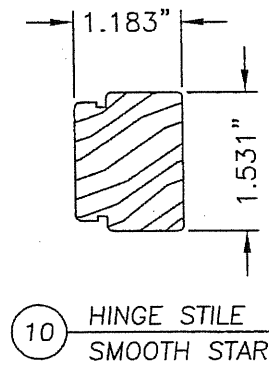
2 HORIZONTAL CROSS SECTION
2 SMOOTH STAR



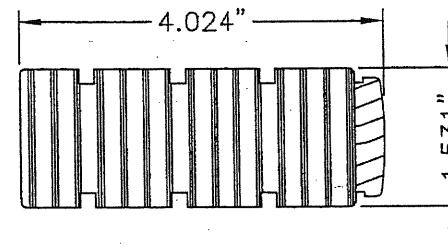
32 TYP. 4
CORNERS
OF PANEL



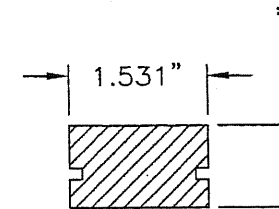
Ø2" DIA.
MAX.
28.86% OPEN
AREA MAX.



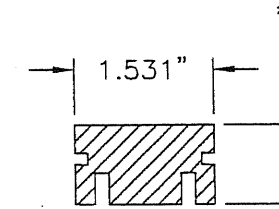
10 HINGE STILE
SMOOTH STAR



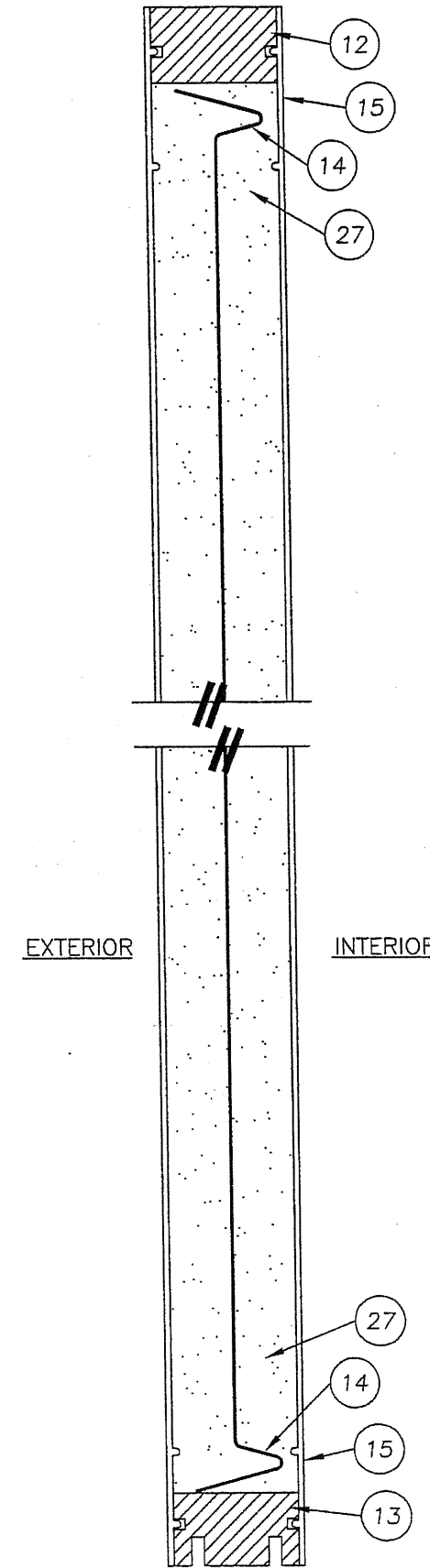
11 LOCK STILE
SMOOTH STAR



12 TOP RAIL
SMOOTH STAR



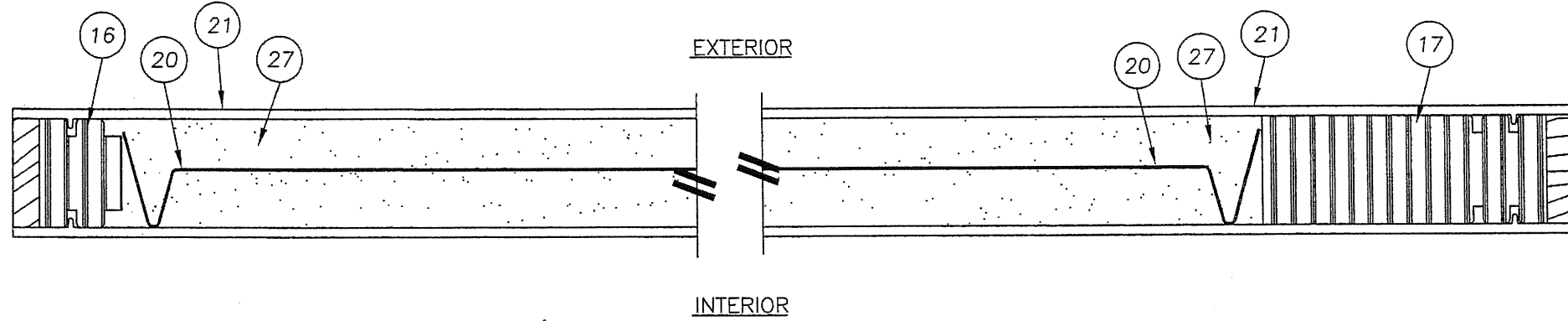
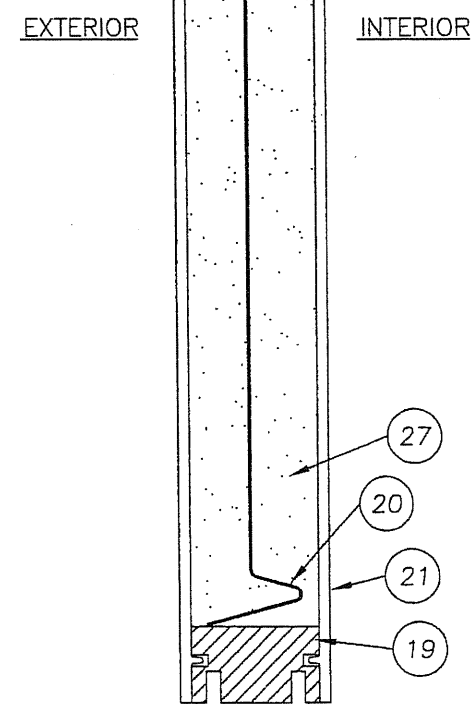
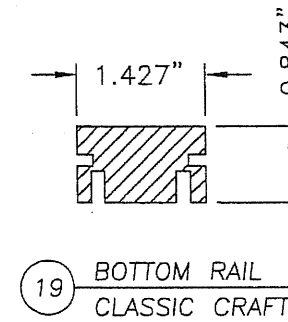
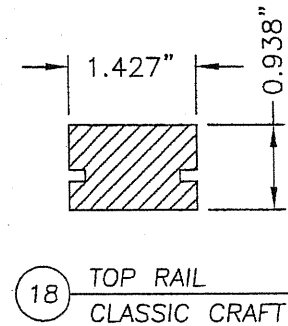
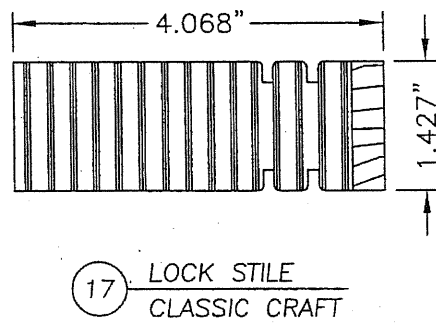
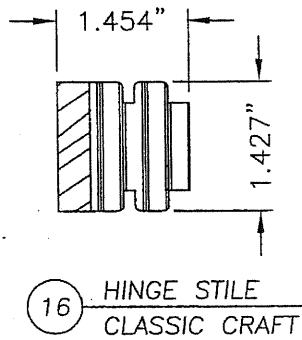
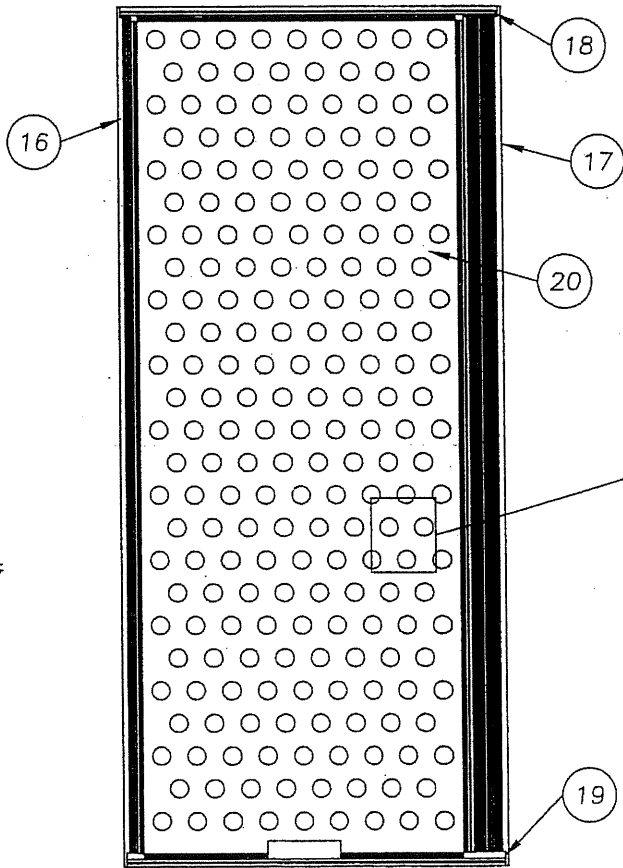
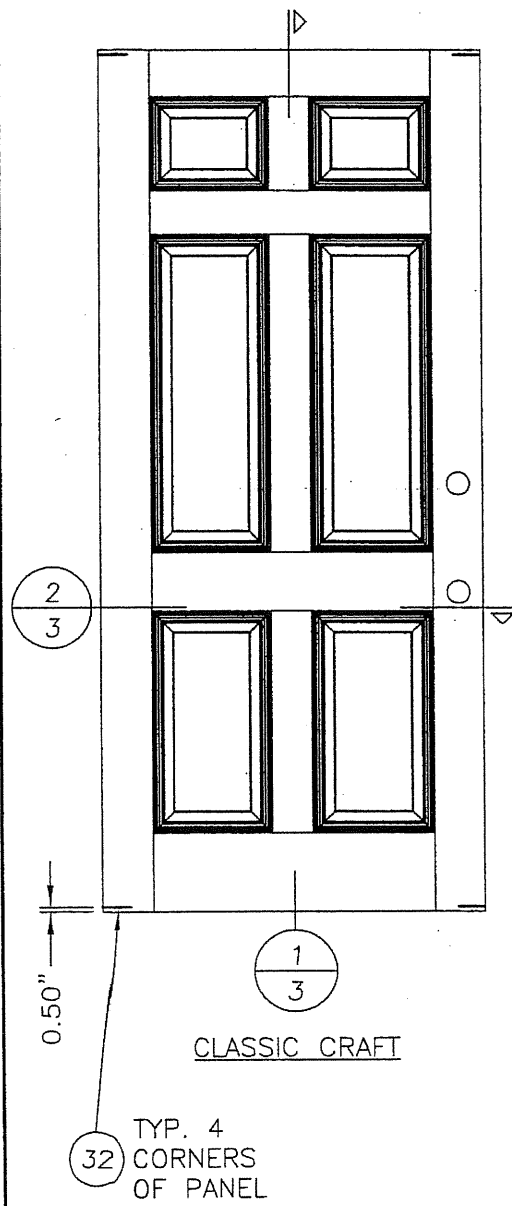
13 BOTTOM RAIL
SMOOTH STAR



1 VERTICAL CROSS SECTION
2 SMOOTH STAR

PRODUCT:		DOUBLE OPAQUE FIBERGLASS DOOR "IMPACT" INSWING / OUTSWING	
PART OR ASSEMBLY:		DOOR PANEL DETAILS (SMOOTH STAR)	
NO.	DATE	BY	REVISIONS
1	12/15/06		
2			
3			
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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. Hane 2-16-07
Wendell W. Hane, P.E. No. 54158



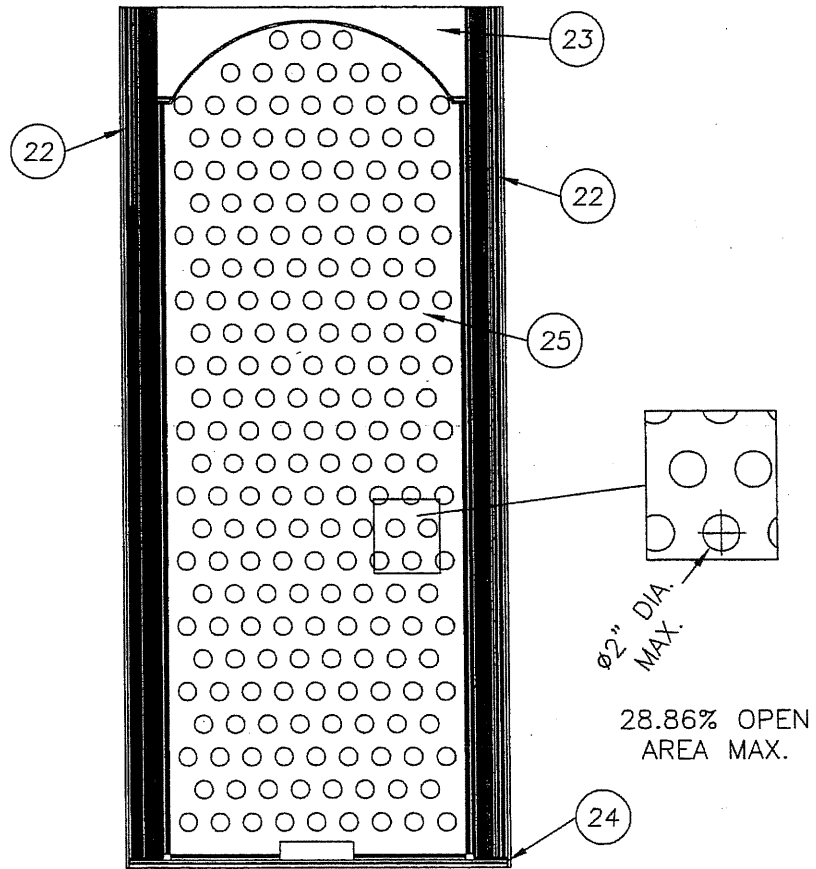
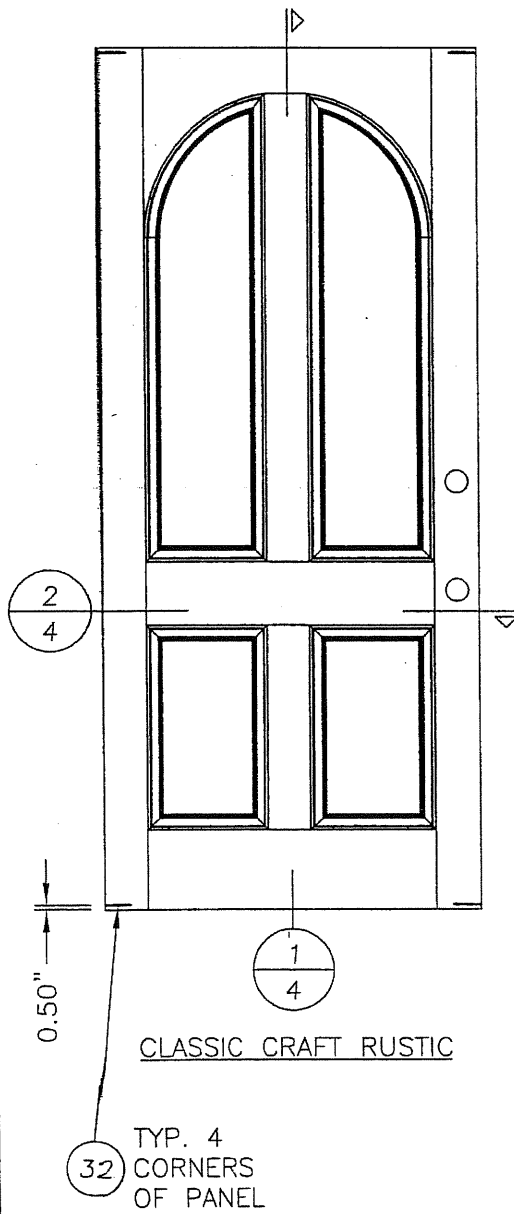
2 HORIZONTAL CROSS SECTION
3 CLASSIC CRAFT

1 VERTICAL CROSS SECTION
3 CLASSIC CRAFT

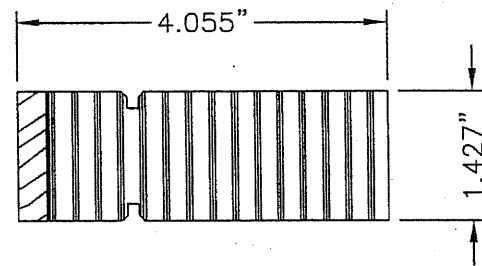
PRODUCT:		DOUBLE OPAQUE FIBERGLASS DOOR "IMPACT" INSWING / OUTSWING	
PART OR ASSEMBLY:		DOOR PANEL DETAILS (CLASSIC CRAFT)	
NO.		DATE	BY
REVISIONS			
DATE: 12/15/06			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: WWH			
DRAWING NO.: TX-3178			
SHEET 3 OF 10			

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. Hanel 2-16-07
Wendell W. Hanel P.E. No. 54158

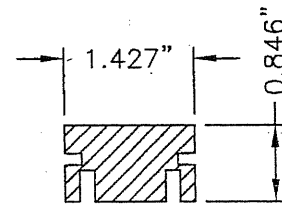
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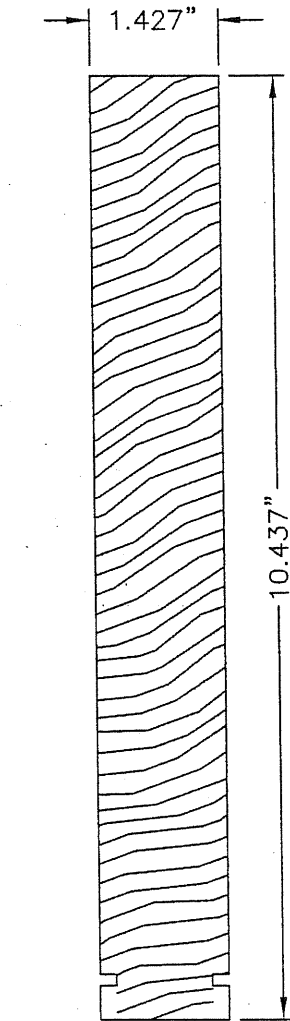
2/4 HORIZONTAL CROSS SECTION
CLASSIC CRAFT RUSTIC



22 LOCK & HINGE STILE
CLASSIC CRAFT RUSTIC



24 BOTTOM RAIL
CLASSIC CRAFT RUSTIC

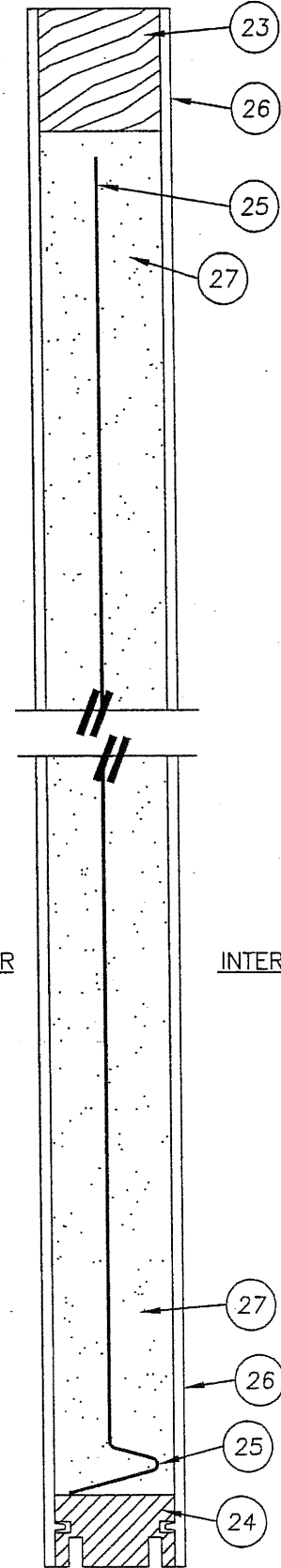
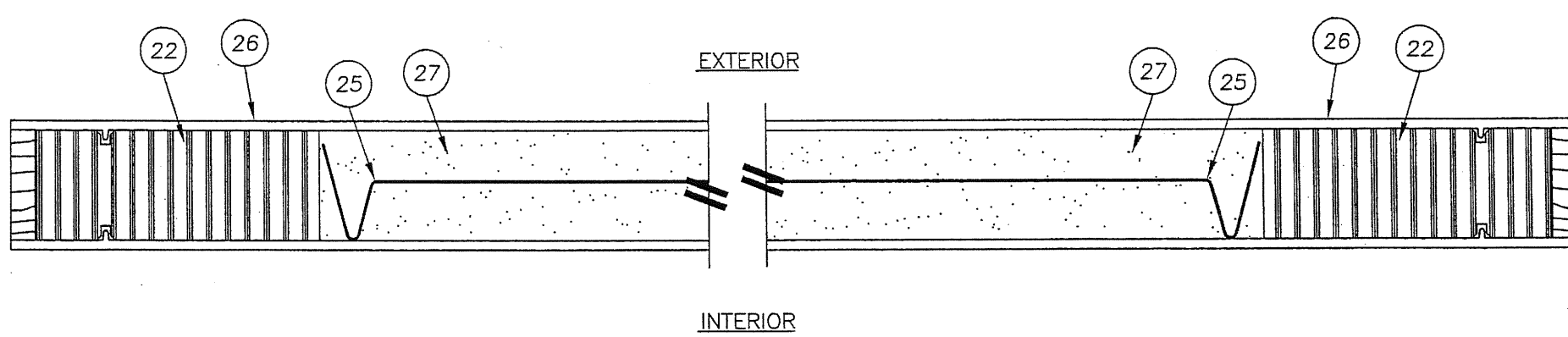


23 TOP RAIL
CLASSIC CRAFT RUSTIC

EXTERIOR

INTERIOR

1/4 VERTICAL CROSS SECTION
CLASSIC CRAFT RUSTIC

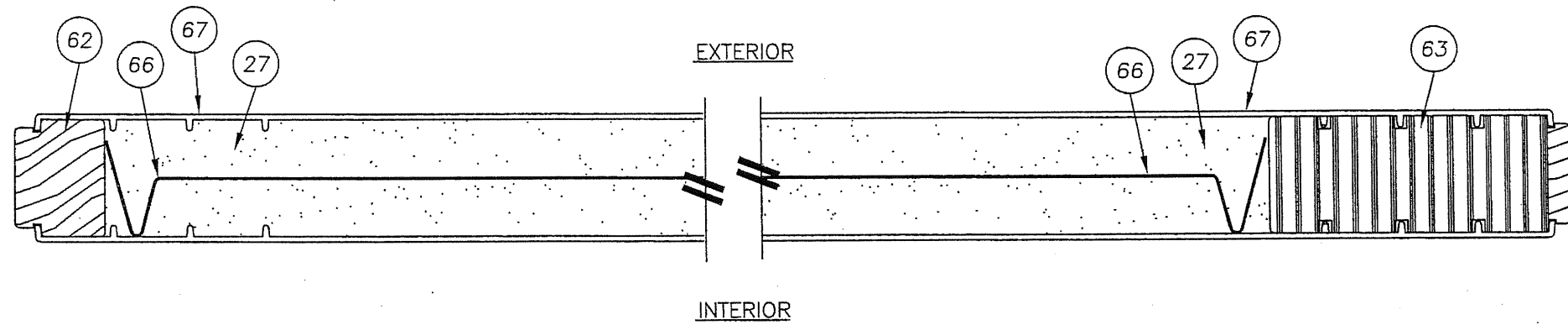
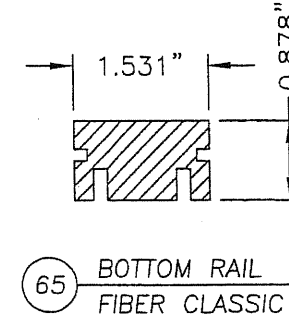
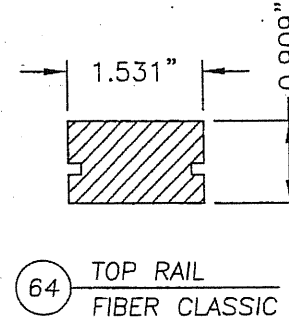
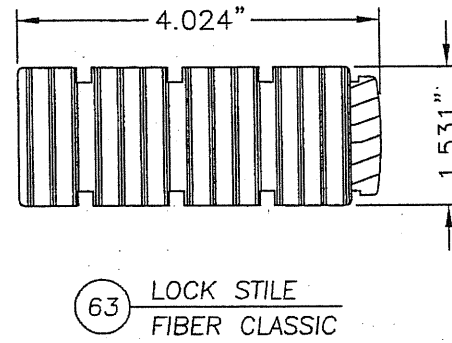
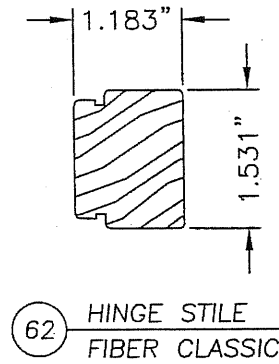
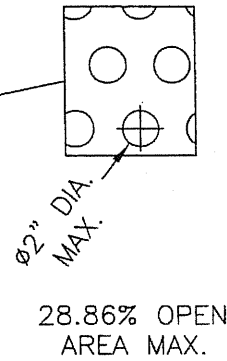
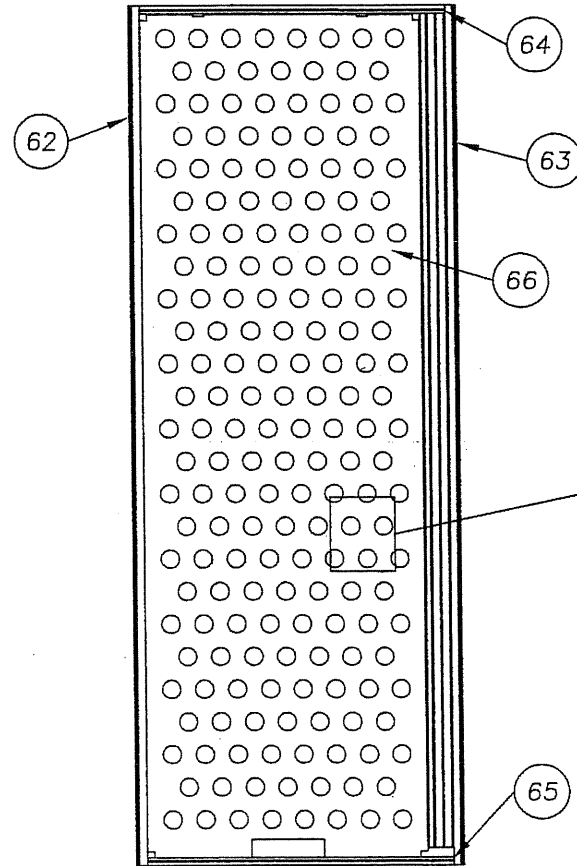
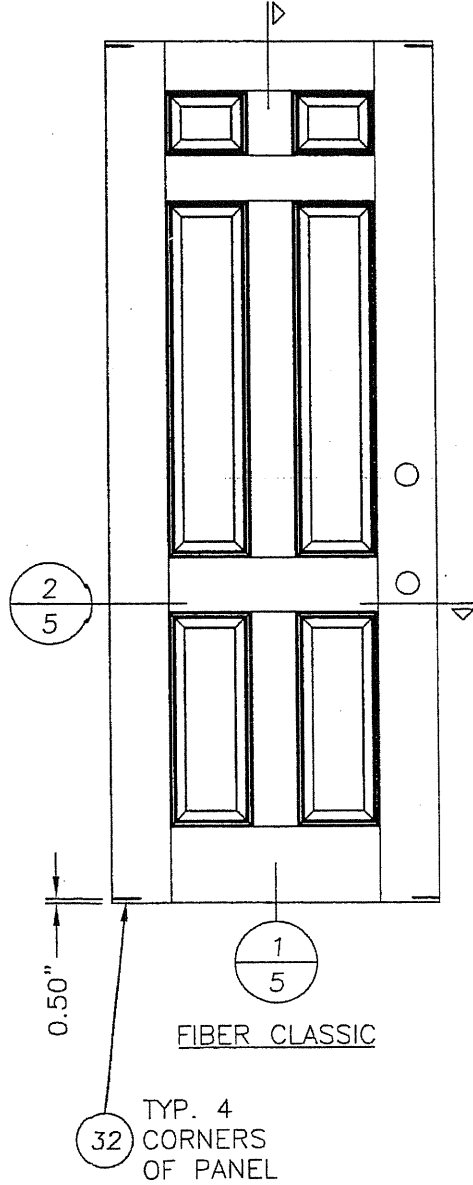


PRODUCT: DOUBLE OPAQUE
FIBERGLASS DOOR
"IMPACT" INSWING / OUTSWING
PART OR ASSEMBLY:
DOOR PANEL DETAILS
(CLASSIC CRAFT RUSTIC)

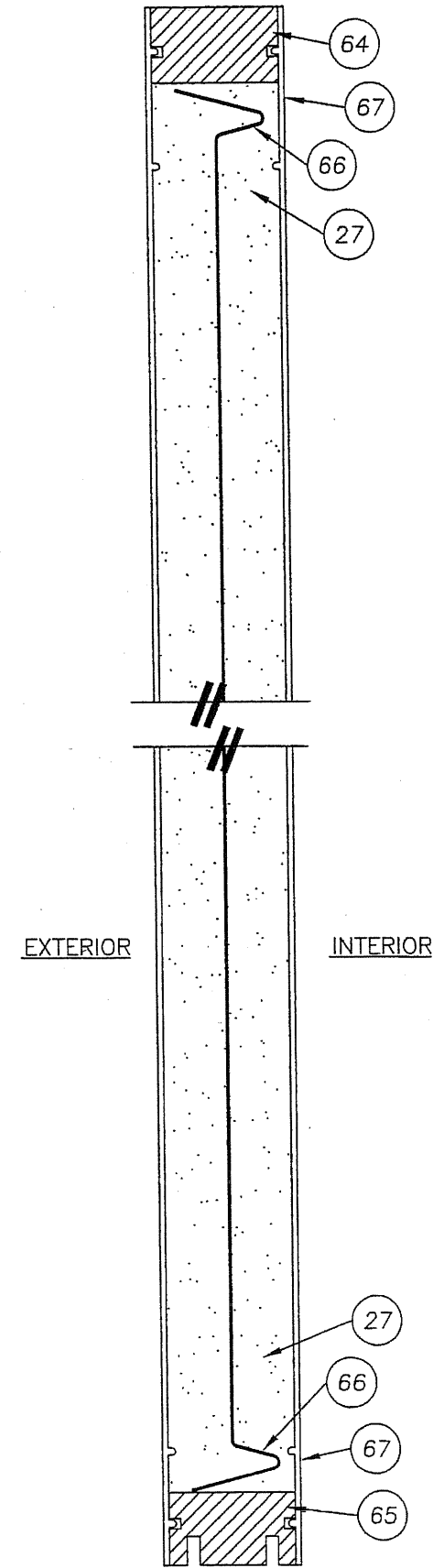
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DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3178
SHEET 4 OF 10

Documents Prepared By:
R.W. 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
2-16-07

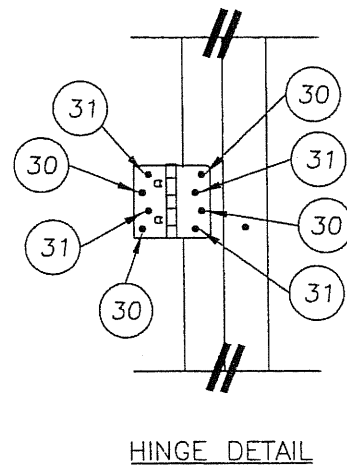


2 HORIZONTAL CROSS SECTION
5 FIBER CLASSIC

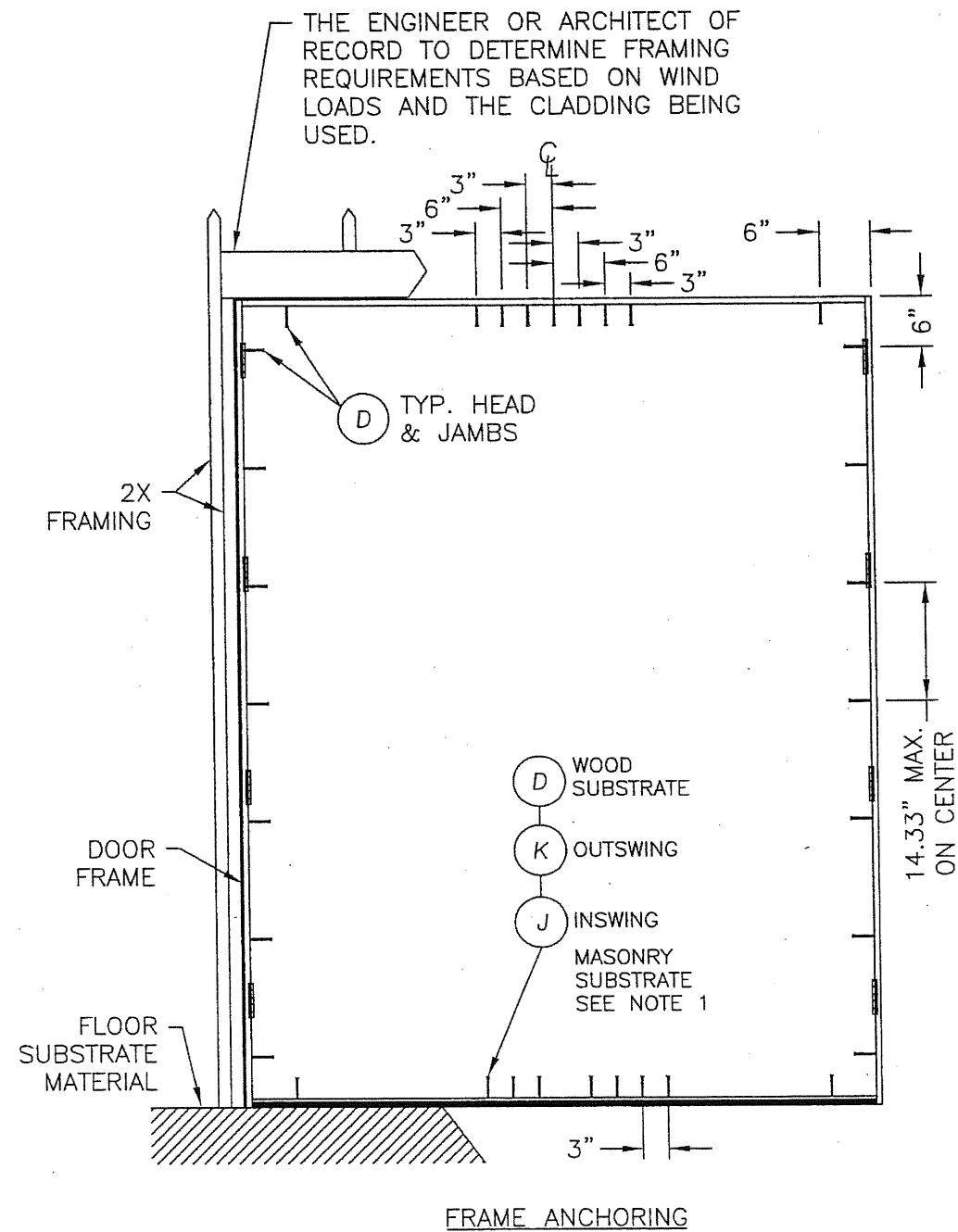
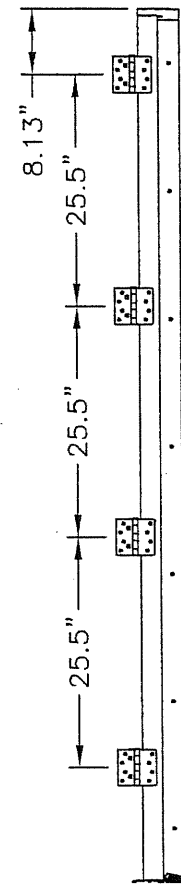


1 VERTICAL CROSS SECTION
5 FIBER CLASSIC

Documents Prepared By:		R.W. 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 <i>Wendell W. Hawley</i> 2-16-07 Wendell W. Hawley, P.E. No. 54158	
PRODUCT:	DOUBLE OPAQUE FIBERGLASS DOOR	PART OR ASSEMBLY: DOOR PANEL DETAILS (FIBER CLASSIC)	
	"IMPACT INSWING / OUTSWING"		
REVISIONS		NO.	DATE
		BY	
DATE: 12/15/06			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: WWH			
DRAWING NO.: TX-3178			
SHEET 5 OF 10			

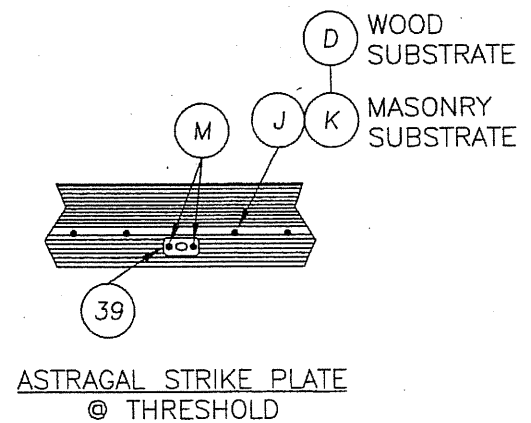


HINGE DETAIL

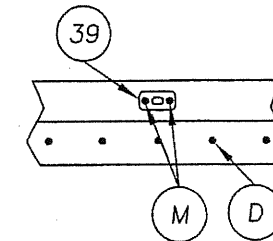


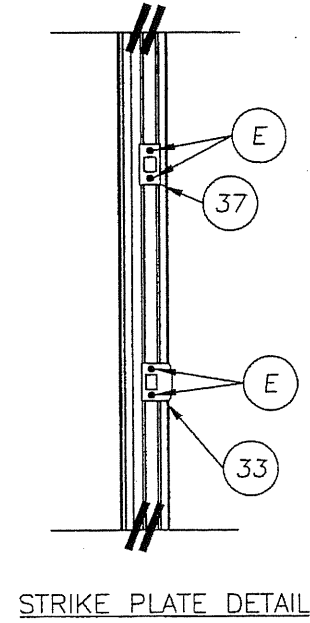
NOTES:

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.



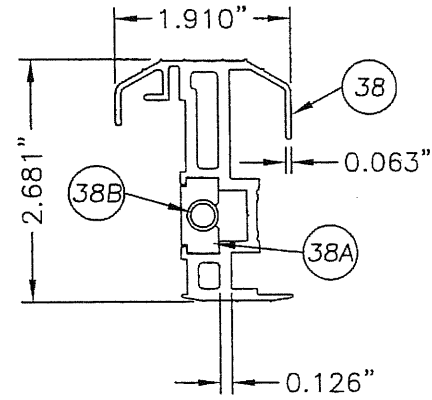
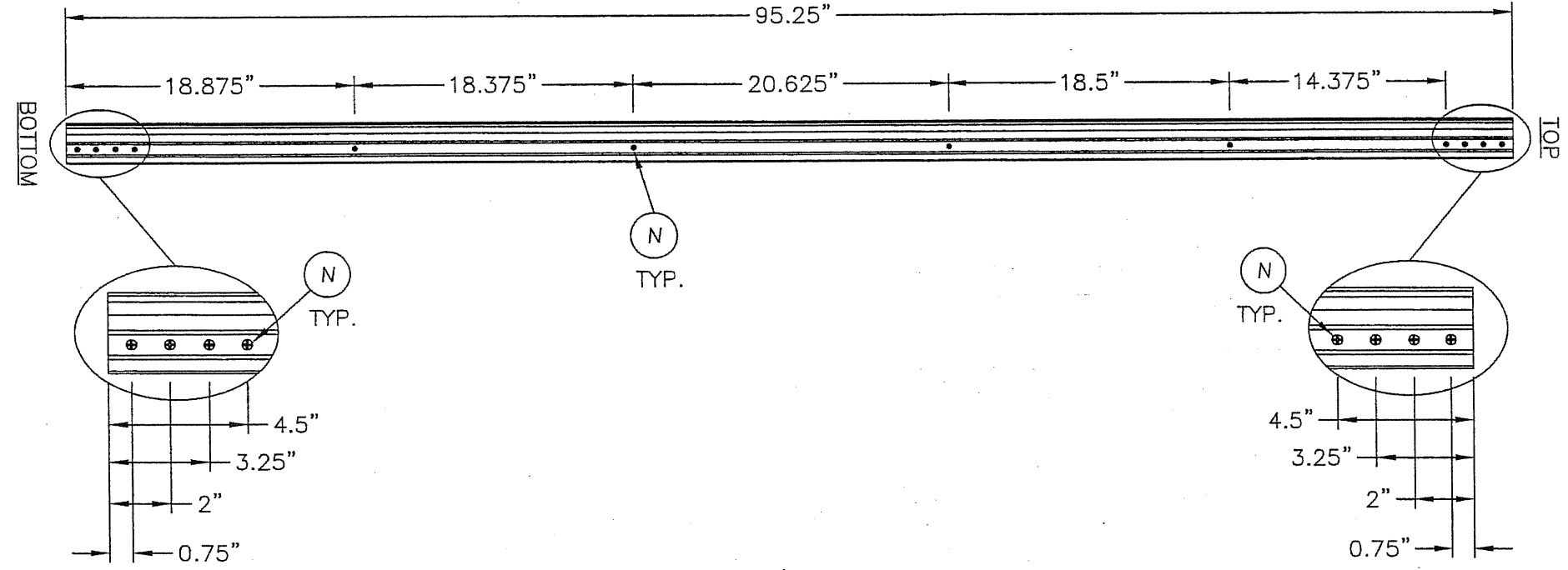
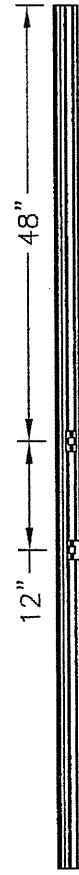
ASTRAGAL STRIKE PLATE
@ HEAD

[illegible]



STRIKE PLATE DETAIL

STRIKE PLATE LOCATION

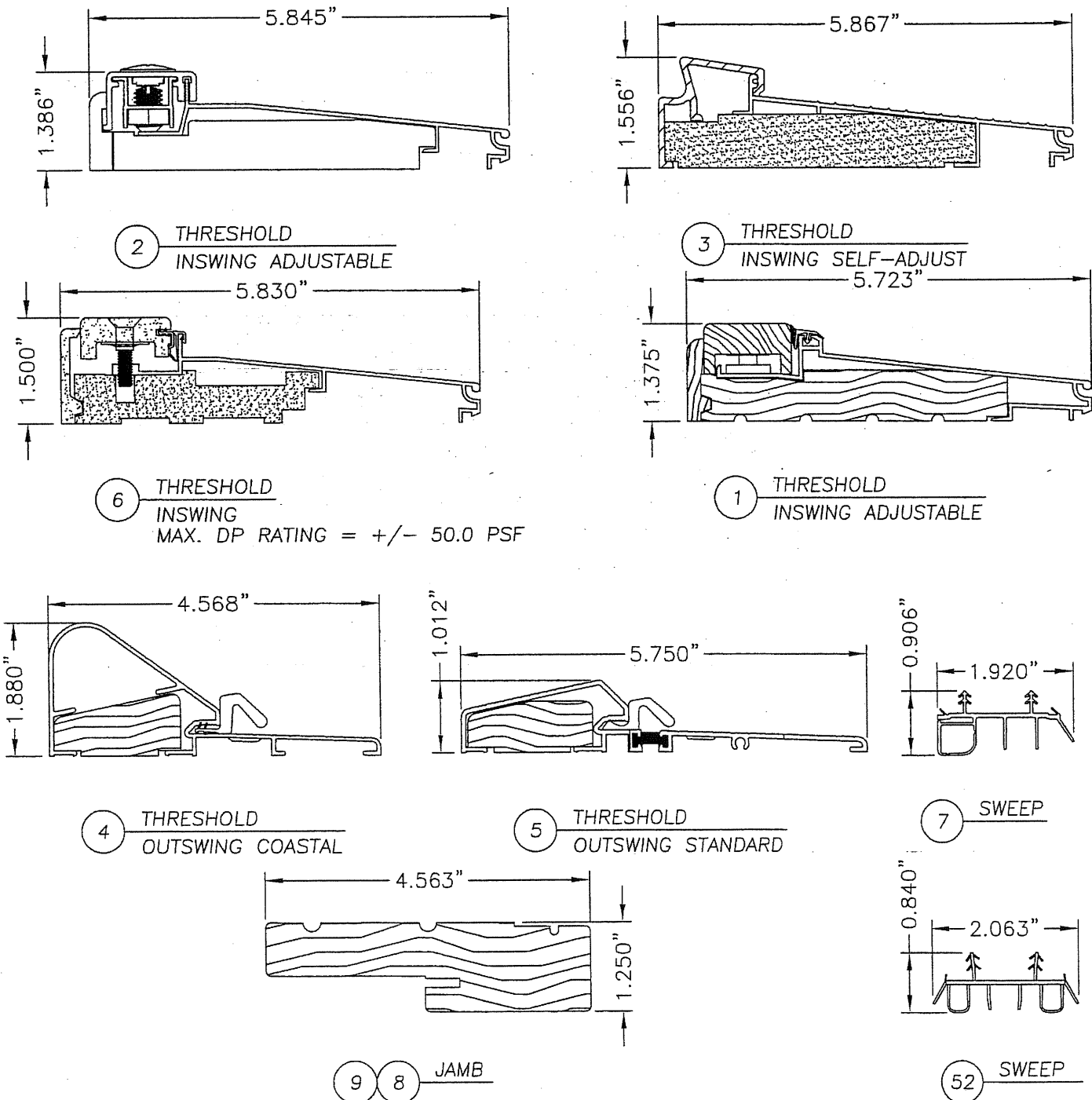


38 ASTRAGAL DETAIL

Documents Prepared By:										R.W. 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 <i>Wendell W. Haney</i> 2-16-07 Wendell W. Haney, P.E. No. 54158									
PRODUCT:										DOUBLE OPAQUE FIBERGLASS DOOR									
										"IMPACT" INSWING / OUTSWING									
PART OR ASSEMBLY:										ASTRAGAL DETAILS									
</																			

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	2X FRAMING	WOOD
C	1/4" MAX. SHIM SPACE	WOOD
D	#10 X 2-1/2" PFH WOOD SCREW	STEEL
G	KWIKSET 200 SERIES PASSAGE LOCK	STEEL
H	KWIKSET 600 SERIES DEADBOLT	STEEL
I	1/4" X 3-3/4" ITW TAPCON	STEEL
J	1/4" X 2-1/4" ITW TAPCON	STEEL
K	1/4" X 1-3/4" ITW TAPCON	STEEL
M	#8 X 3" PFH SCREW (STRIKE PLATES @ HEAD & SILL)	STEEL
N	#10 X 1-1/2" PPH SCREW ASTRAGAL TO PANEL	STEEL
1	INSWING ADJUSTABLE THRESHOLD (IS300AJ)	ALUM./WOOD
2	INSWING THRESHOLD (IS300HP5)	-
3	INSWING SELF ADJUST THERMAL BREAK THRESHOLD (ISP30M)	ALUM./COMP.
4	OUTSWING COASTAL THRESHOLD	ALUM./WOOD
5	OUTSWING STANDARD THRESHOLD	ALUM./WOOD
6	INSWING THRESHOLD	-
7	DOOR BOTTOM SWEEP	VINYL
8	JAMB (PINE)	WOOD
9	JAMB (OAK)	WOOD
10	HINGE STILE (SMOOTH STAR)	WOOD
11	LOCK STILE (SMOOTH STAR)	LVL/WOOD
12	TOP RAIL (SMOOTH STAR)	PVC
13	BOTTOM RAIL (SMOOTH STAR)	PVC
14	PANEL REINFORCEMENT 0.023" THK. (SMOOTH STAR)	STEEL
15	DOOR SKIN 0.072" THK. (SMOOTH STAR) Fy = 6,000 PSI MIN.	FIBERGLASS
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
37	DEADBOLT STRIKE PLATE	STEEL

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
38	ASTRAGAL	ALUMINUM
38A	ASTRAGAL FLUSH BOLT	STEEL
38B	ASTRAGAL FLUSH BOLT RETAINER	ALUMINUM
39	ASTRAGAL STRIKE PLATE @ HEAD	STEEL
62	HINGE STILE (FIBER CLASSIC)	WOOD
63	LOCK STILE (FIBER CLASSIC)	LVL/WOOD
64	TOP RAIL (FIBER CLASSIC)	PVC
65	BOTTOM RAIL (FIBER CLASSIC)	PVC
66	PANEL REINFORCEMENT 0.023" THK. (FIBER CLASSIC)	STEEL
67	DOOR SKIN 0.072" THK. (FIBER CLASSIC) $F_y = 6,000$ PSI MIN.	FIBERGLASS



PRODUCT:

DOUBLE OPAQUE
FIBERGLASS DOOR

"IMPACT" INSWING / OUTSWING

PART OR ASSEMBLY:

BILL OF MATERIALS

& COMPONENTS

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SCALE: N.T.S.

CHK. BY: WW

DRAWING NO.:

TX-3178

SHEET 10 OF 1

REVISIONS

THERMA-TRU®

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

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

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

EVALUATED FOR USE IN THE STATE OF TEXAS

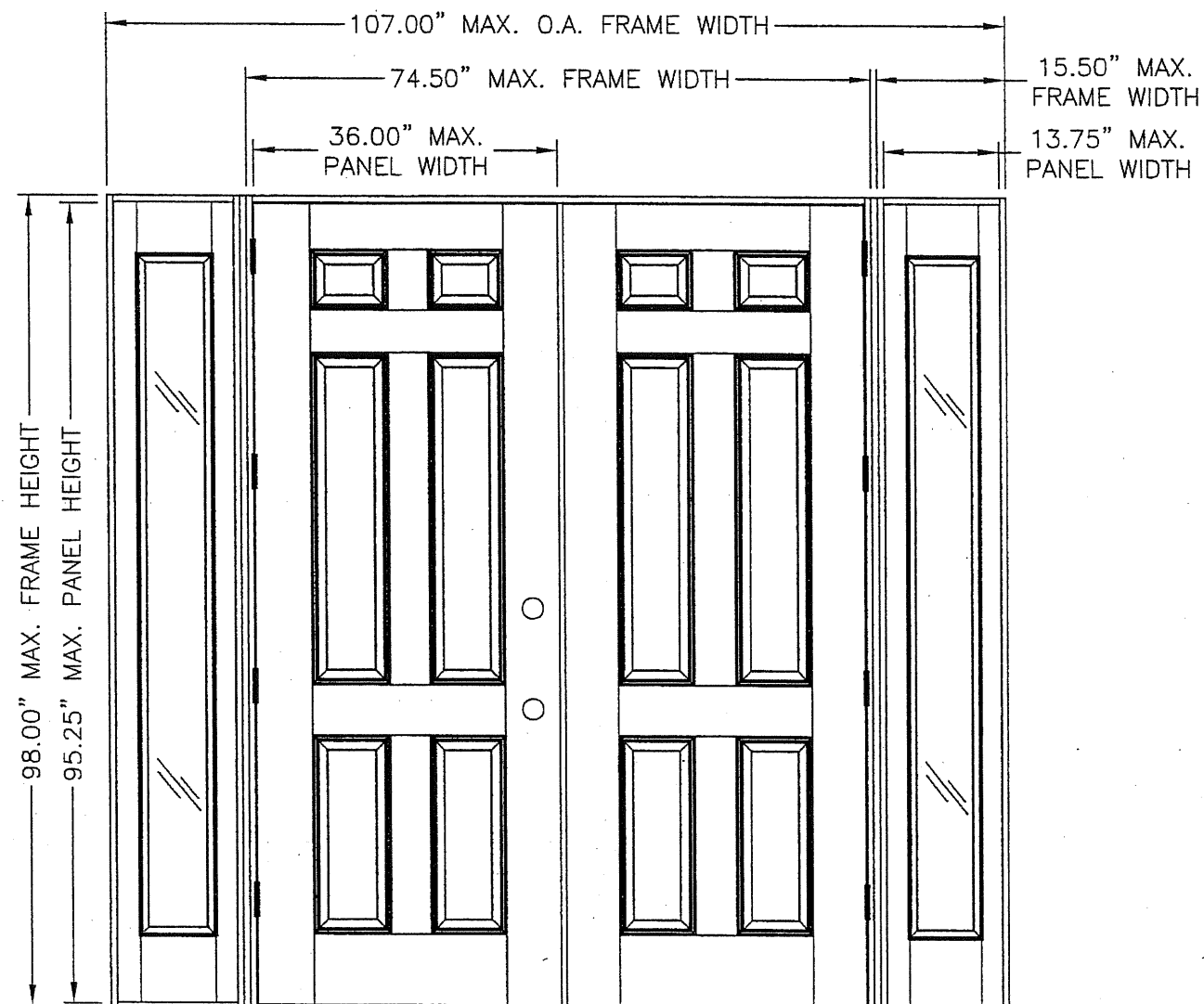
THE THERMA-TRU FIBERGLASS DOOR DESCRIBED HEREIN COMPLIES WITH THE INTERNATIONAL RESIDENTIAL CODE (IRC), SECTIONS R301 & R613 AND THE INTERNATIONAL BUILDING CODE (IBC), SECTIONS 1714.5 1405.12, 1609, 2403 AND 2404 (INCLUDING TEXAS REVISIONS) SUBJECT TO THE FOLLOWING CONDITIONS:

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 Door Panel 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. The Sidelite Panels do not meet impact resistant requirements and must be protected with an impact resistant covering in compliance with sections R301.2.1.2 and 1609.1.4. 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 TAS 201-94, TAS 202-94 and TAS 203-94 as performed by Testing Evaluation Laboratories Inc. and reported in test report number TEL 06-1031-3, dated November 9, 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 DETAILS (SMOOTH STAR)
3	DOOR PANEL DETAILS (CLASSIC CRAFT)
4	DOOR PANEL DETAILS (CLASSIC CRAFT RUSTIC)
5	DOOR PANEL DETAILS (FIBER CLASSIC)
6	SIDELITE PANEL DETAILS
7	HORIZONTAL CROSS SECTIONS
8	VERTICAL CROSS SECTIONS
9	VERTICAL CROSS SECTIONS
10	FRAME ANCHORING
11	ANCHORING DETAILS, ASTRAGAL DETAILS & GLAZING DETAILS
12	COMPONENTS
13	BILL OF MATERIALS



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

DOOR TYPE	SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE	
			POSITIVE	NEGATIVE
CLASSIC CRAFT	OUTSWING	107.00" X 96.50"	+65.0	-65.0
	INSWING	107.00" X 98.00"	+65.0	-65.0
FIBER CLASSIC	OUTSWING	107.00" X 96.50"	+65.0	-65.0
	INSWING	107.00" X 98.00"	+65.0	-65.0
SMOOTH STAR	OUTSWING	107.00" X 96.50"	+65.0	-65.0
	INSWING	107.00" X 98.00"	+65.0	-65.0
RUSTIC	OUTSWING	107.00" X 96.50"	+65.0	-65.0
	INSWING	107.00" X 98.00"	+65.0	-65.0

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 2-16-07
Wendell W. Haney, P.E. No. 54158

PRODUCT: DOUBLE OPAQUE
FIBERGLASS DOOR W/ SIDELITES
"IMPACT" INSWING / OUTSWING
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-3179
SHEET 1 OF 13

0.50"

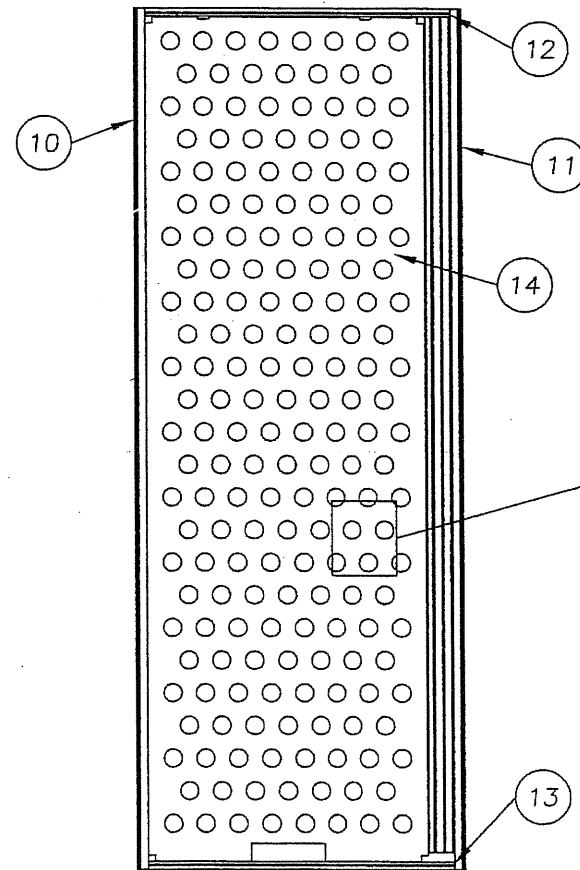
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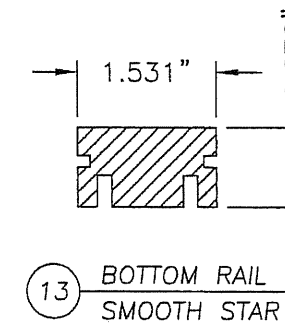
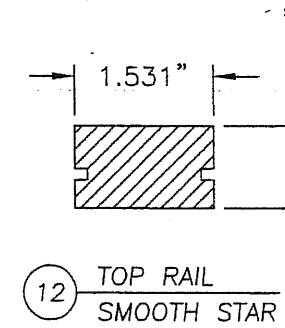
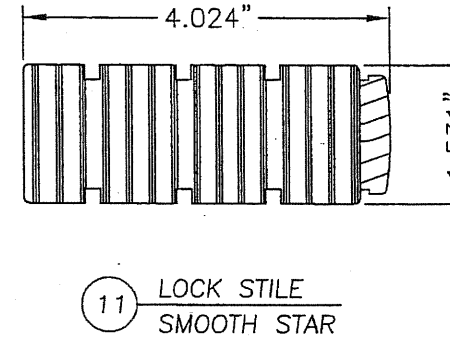
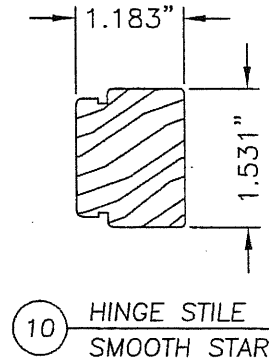
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TYP. 4
CORNERS
OF PANEL

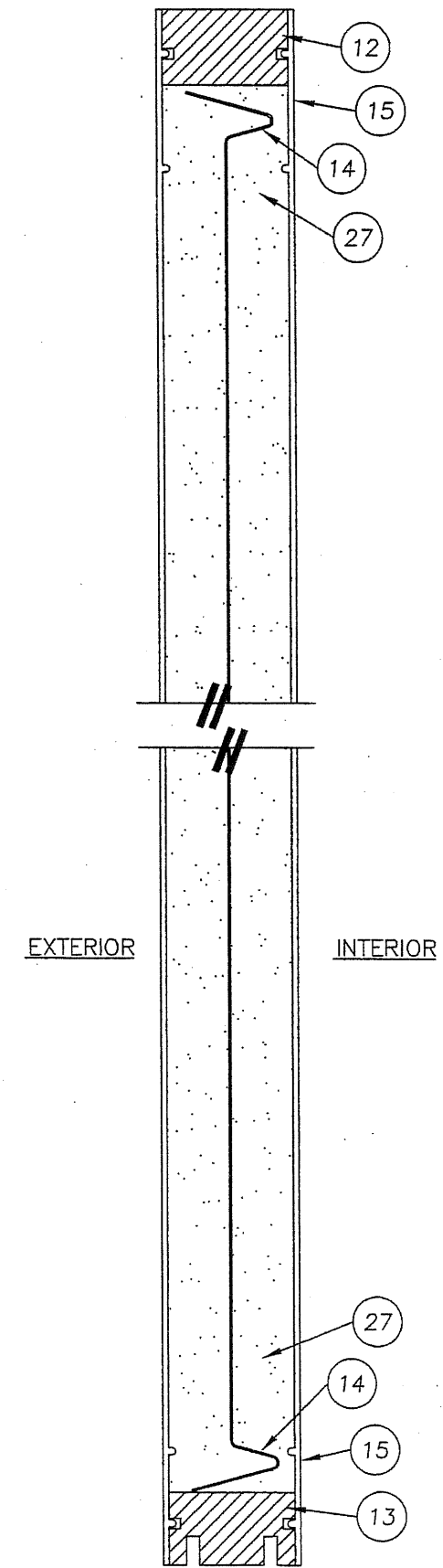
SMOOTH STAR



A diagram showing a square grid with circles. A line points to a circle with a crosshair inside it. The text "Ø2" DIA. MAX." is written next to the line. Below the diagram, the text "28.86% OPEN AREA MAX." is written.

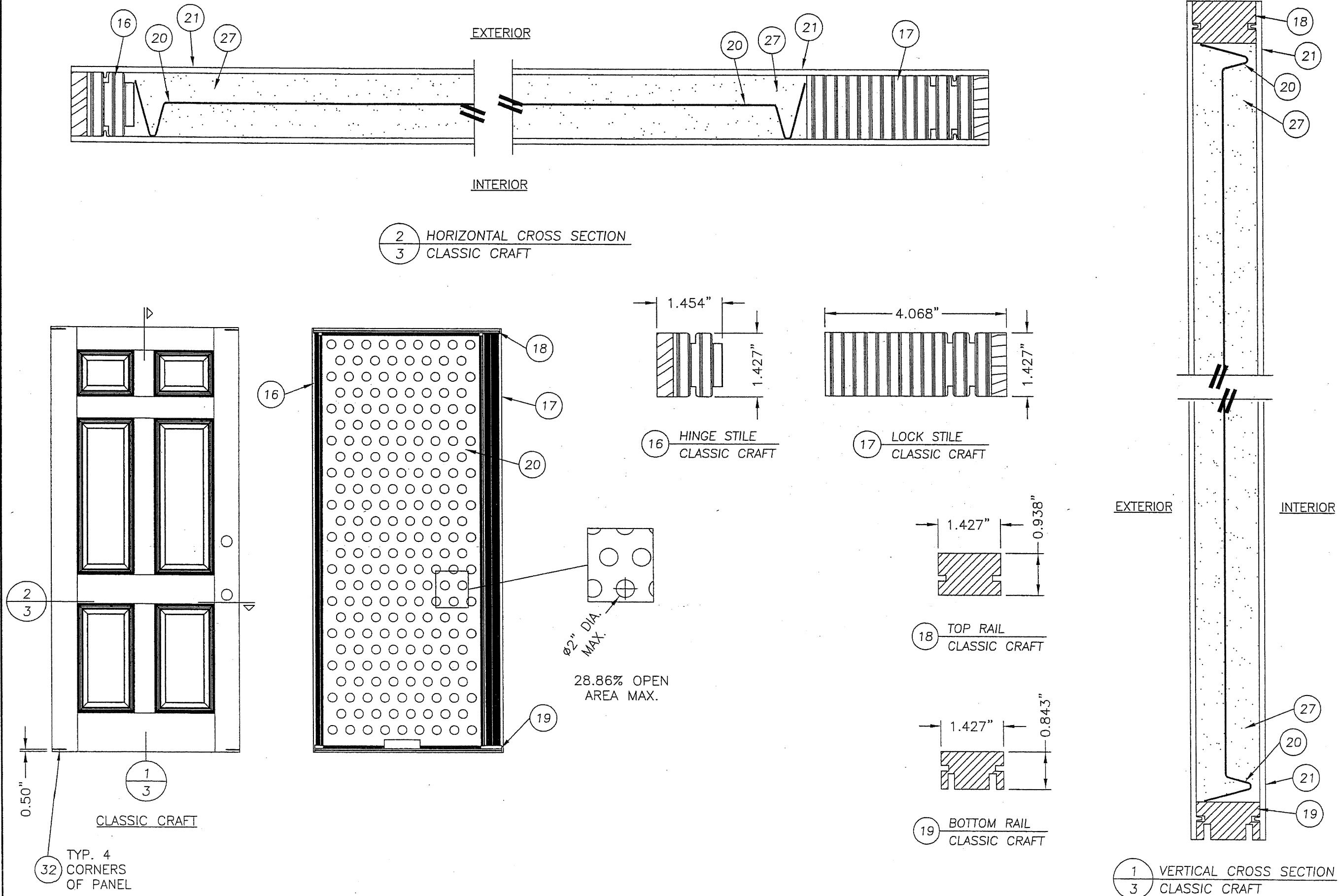


1	VERTICAL CROSS SECTION
2	SMOOTH STAR



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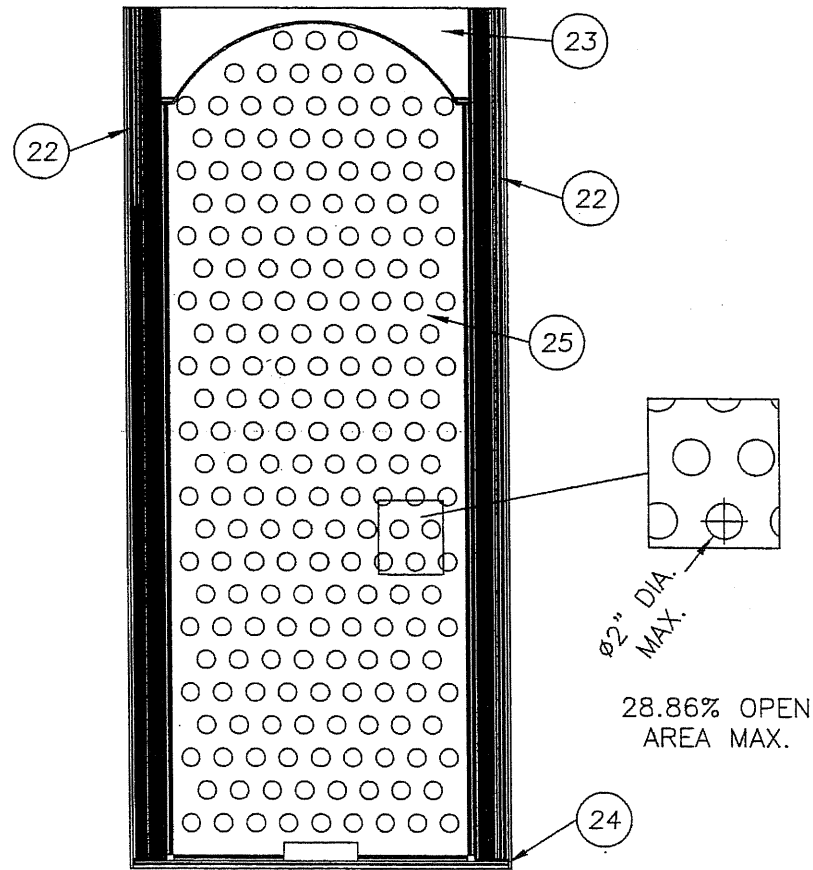
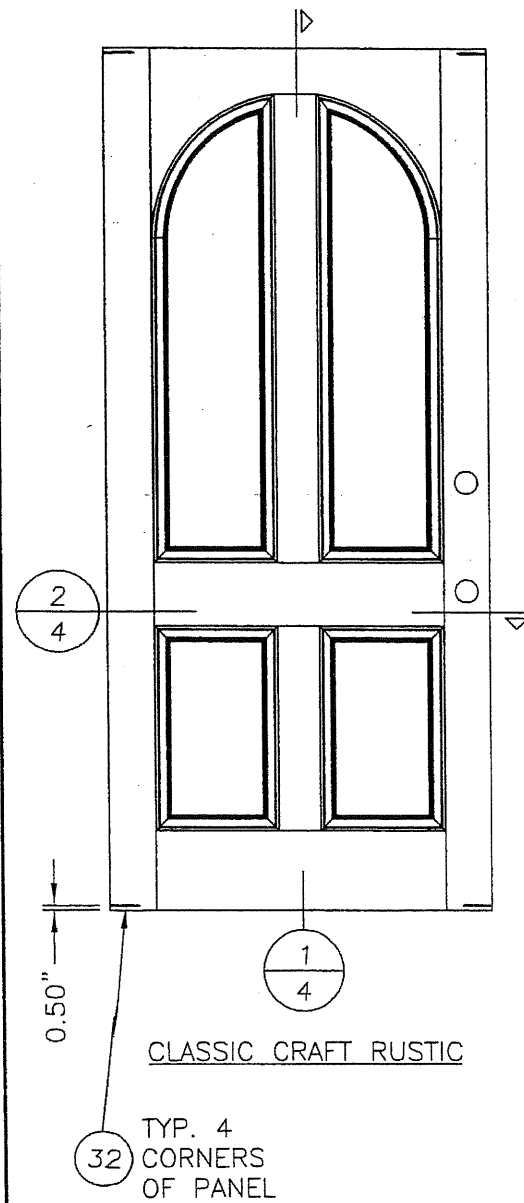


Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
Wendell W. Hickey 2-16-07
Wendell W. Hickey, P.E. No. 54158

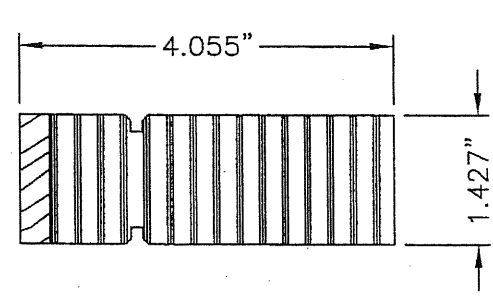
PRODUCT: DOUBLE OPAQUE
FIBERGLASS DOOR W/SIDELITES
"IMPACT" INSWING / OUTSWING
PART OR ASSEMBLY:
DOOR PANEL DETAILS
(CLASSIC CRAFT)

REVISIONS		NO.	DATE	BY

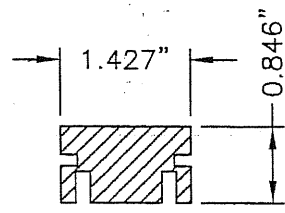
DATE: 12/15/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO.: TX-3179
SHEET 3 OF 13



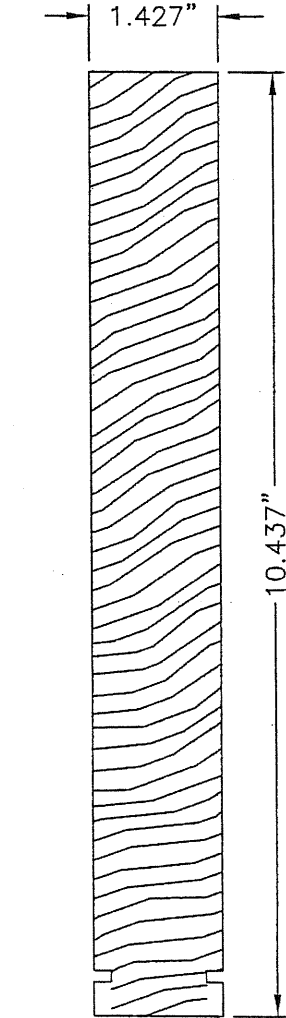
2 HORIZONTAL CROSS SECTION
4 CLASSIC CRAFT RUSTIC



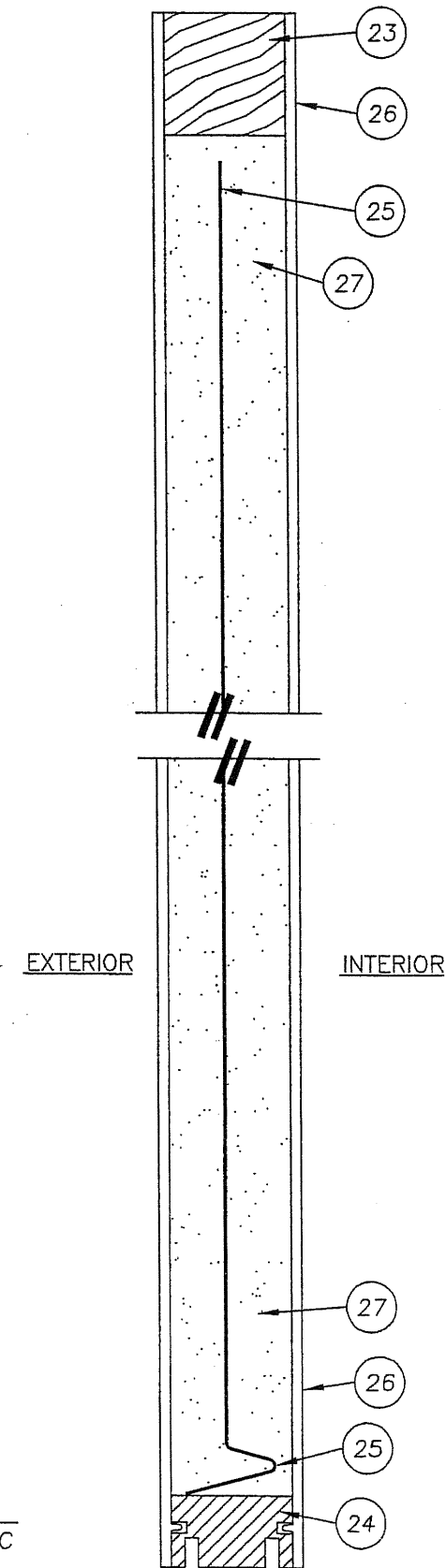
22 LOCK & HINGE STILE
CLASSIC CRAFT RUSTIC



24 BOTTOM RAIL
CLASSIC CRAFT RUSTIC



23 TOP RAIL
CLASSIC CRAFT RUSTIC



1 VERTICAL CROSS SECTION
4 CLASSIC CRAFT RUSTIC

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. Hanks 2-16-07 Wendell W. Hanks, P.E. No. 54158			
PRODUCT:		DOUBLE OPAQUE FIBERGLASS DOOR W/ SIDELITES "IMPACT" INSWING / OUTSWING		PART OR ASSEMBLY:		DOOR PANEL DETAILS (CLASSIC CRAFT RUSTIC)	

Technical drawing of a door assembly, labeled FIG. 1.

The main view is a front elevation of a door 62, featuring a perforated panel 66. The door is shown with a hinge stile 63 and a handle 65. A detail view of the hinge stile 62 is shown, indicating a width of 1.183" and a height of 1.531". The detail view is labeled "HINGE STILE FIBER CLASSIC".

A detail view of the perforated panel 66 is shown, indicating a maximum diameter of $\phi 2"$ DIA. MAX. and a maximum open area of 28.86% OPEN AREA MAX.

Top view of the part. It is a square with a side length of $\frac{3}{4}$ inch. In the center of the square is a circular hole with a diameter of 2 inches, indicated by the text "2" DIA. MAX." with an arrow pointing to the hole.

28.86% OPEN
AREA MAX.

4.024"

1.531"

63 LOCK STILE
FIBER CLASSIC

1.531"

0.909"

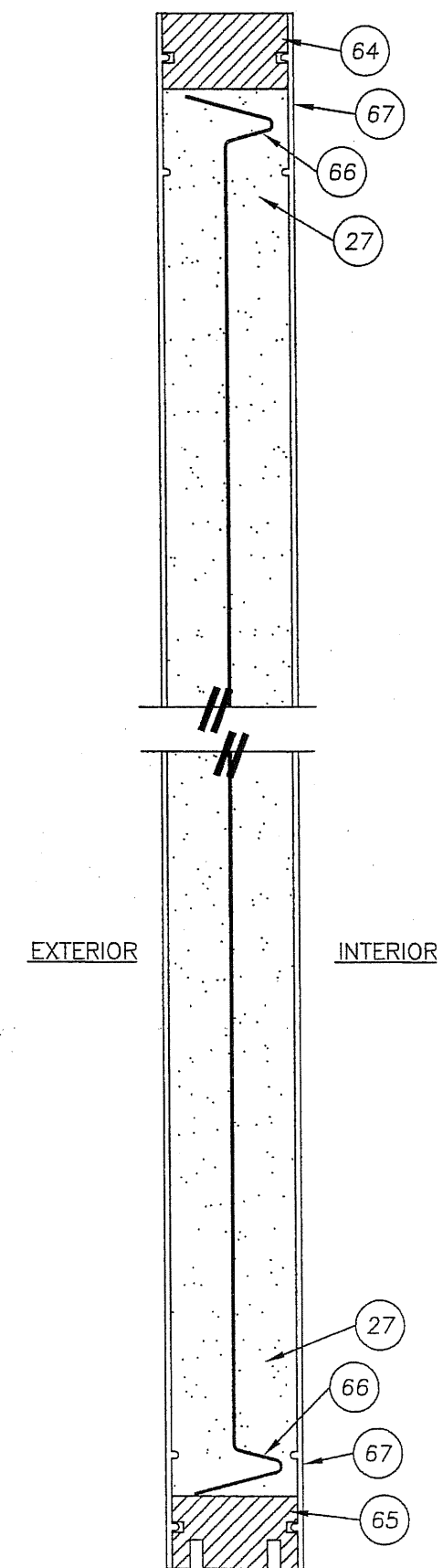
64 TOP RAIL
FIBER CLASSIC

1.531"

0.878"

(65) BOTTOM RAIL
FIBER CLASSIC

1	VERTICAL CROSS SECTION
5	FIBER CLASSIC



PRODUCT:

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

DOOR ASSEMBLY:
DOOR PANEL DETAILS
(FIBER CLASSIC)

Documents Prepared By:

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Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

~~Certificate Of Authorization No. 9813~~

Wendell W. Haney, P.E. No. 54158
2-16-07

13				5	NO.	DATE
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DATE: 12/15/06

SCALE: N.T.S.

DWG. BY: AEM

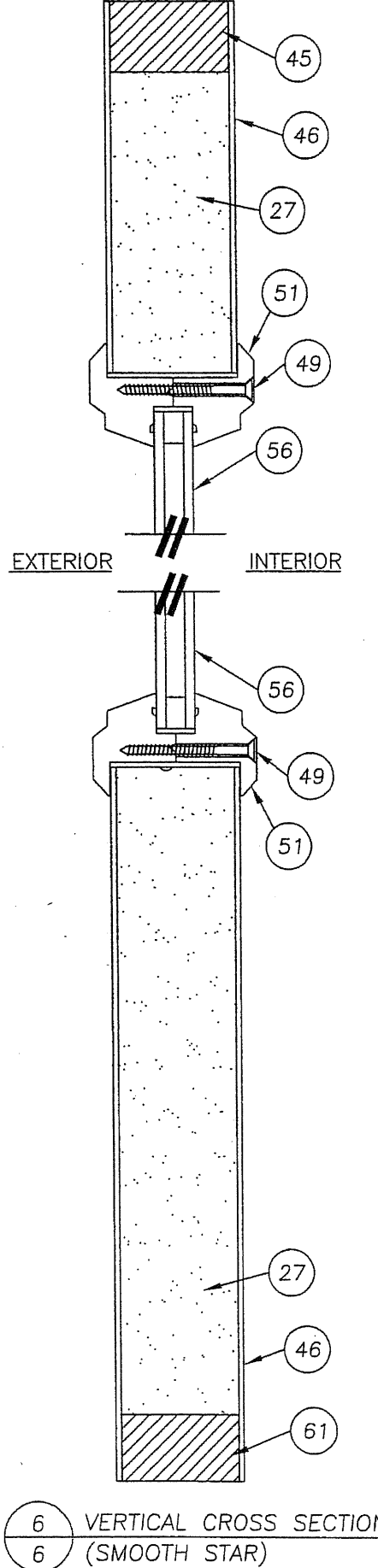
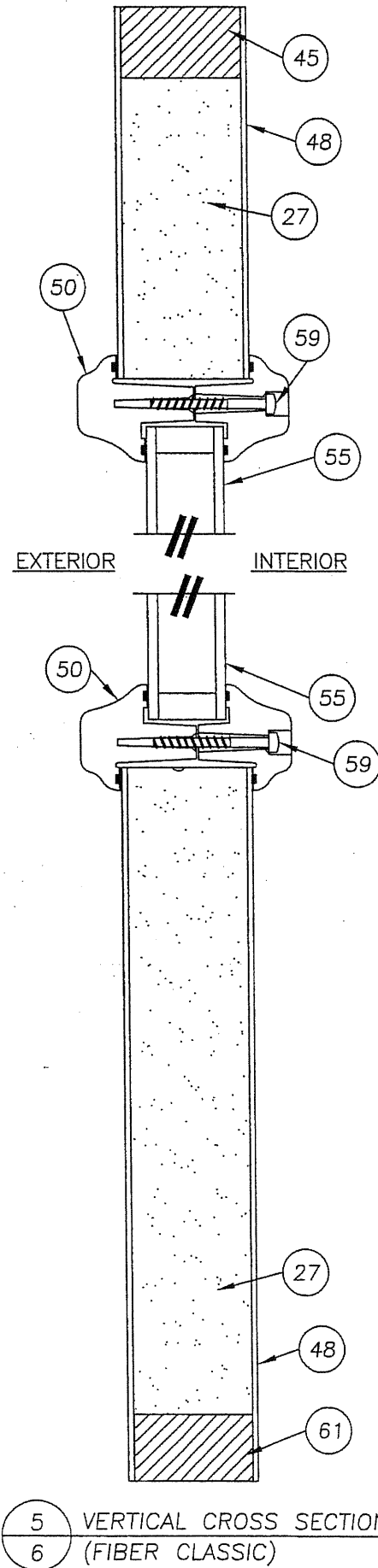
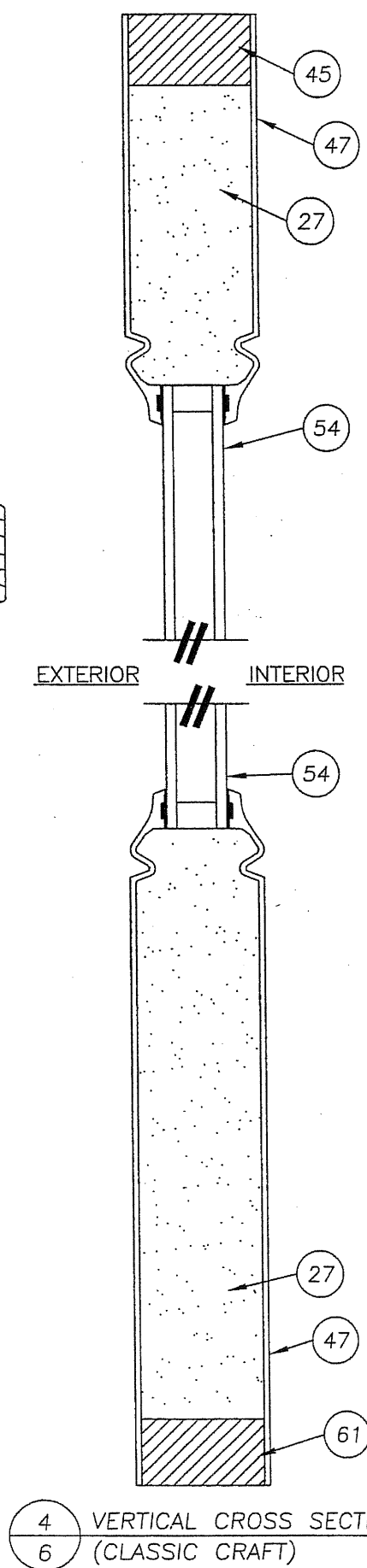
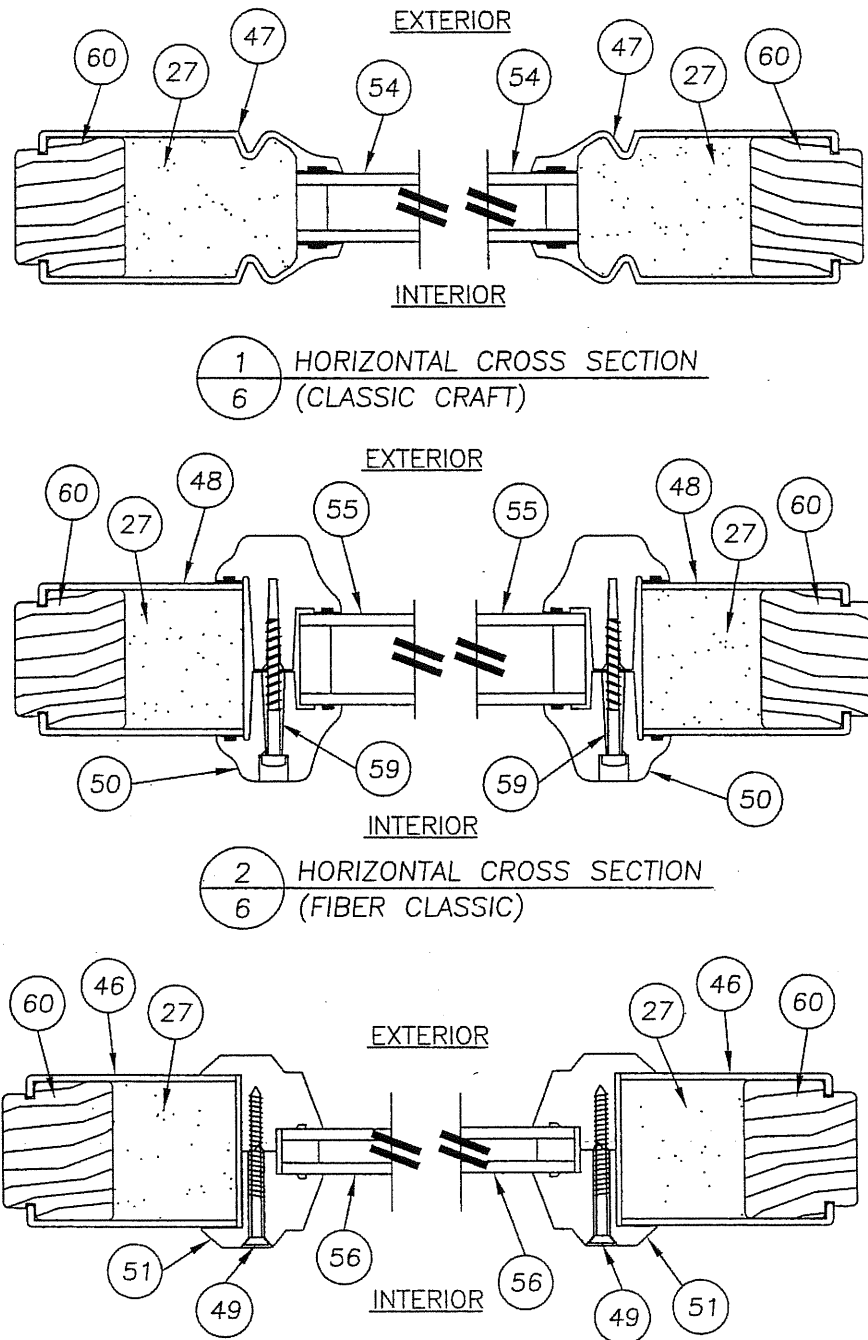
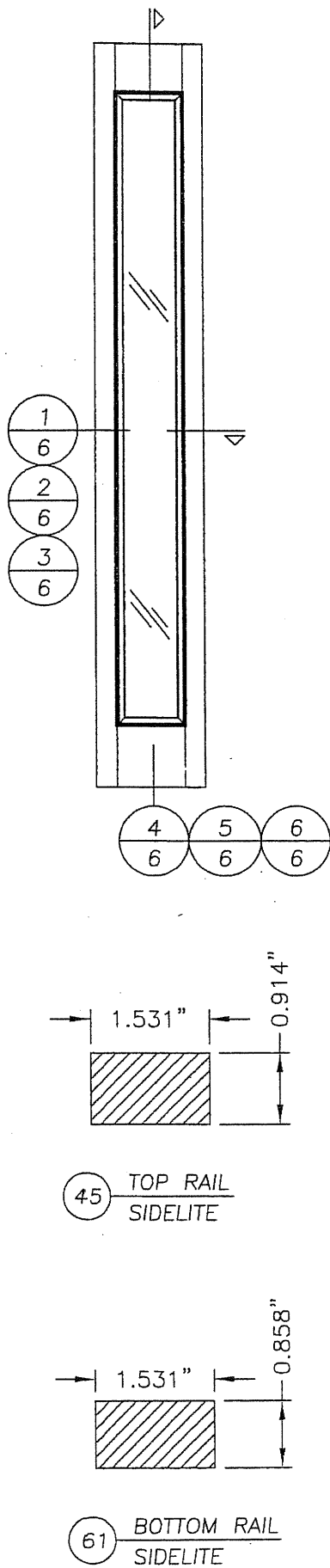
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DRAWING NO.:

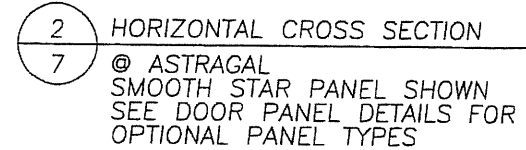
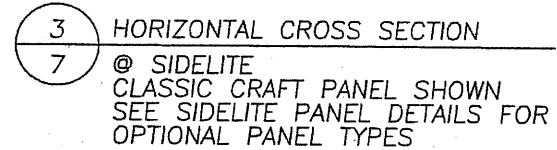
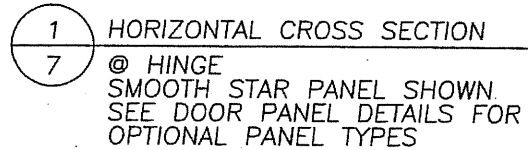
TX-3179

SHEET 5 OF 13

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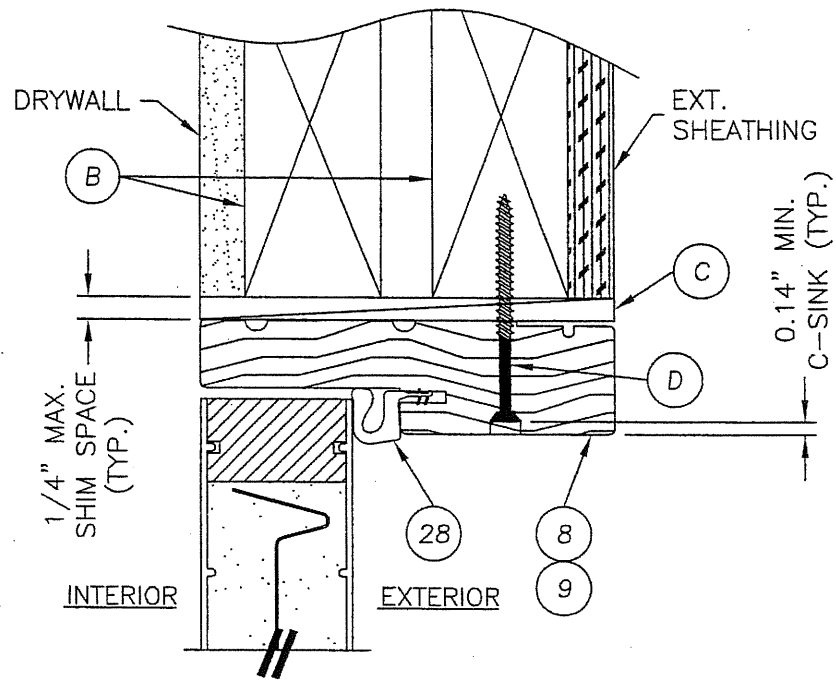


Documents Prepared By:		BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.659.9197 Florida Board of Professional Engineers Certificate Of Authorization No. 9813 Wendell W. Henley 2-16-07 Wendell W. Henley P.E. No. 54158	
PRODUCT:	DOUBLE OPAQUE FIBERGLASS DOOR W/ SIDELITES "IMPACT" INSWING / OUTSWING	PART OR ASSEMBLY:	SIDELITE PANEL DETAILS
NO.	DATE	BY	REVISIONS
DATE: 12/15/06	SCALE: N.T.S.	DWG. BY: AEM	CHK. BY: WWH
DRAWING NO.: TX-3179	SHEET 6 OF 13		

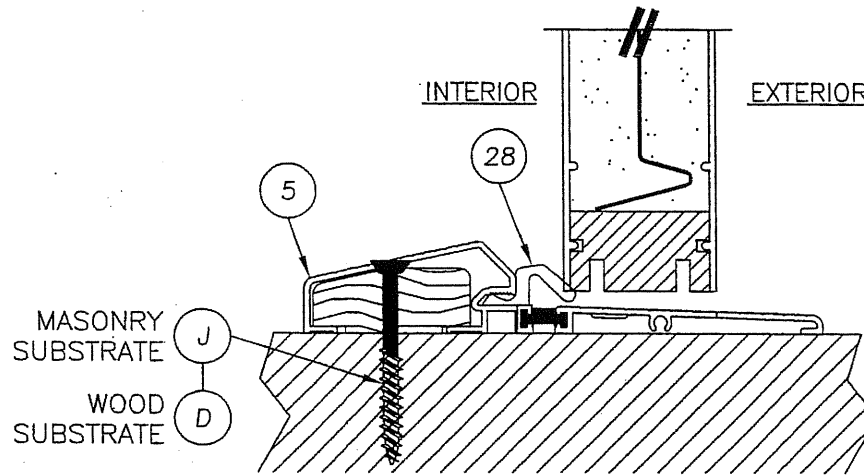


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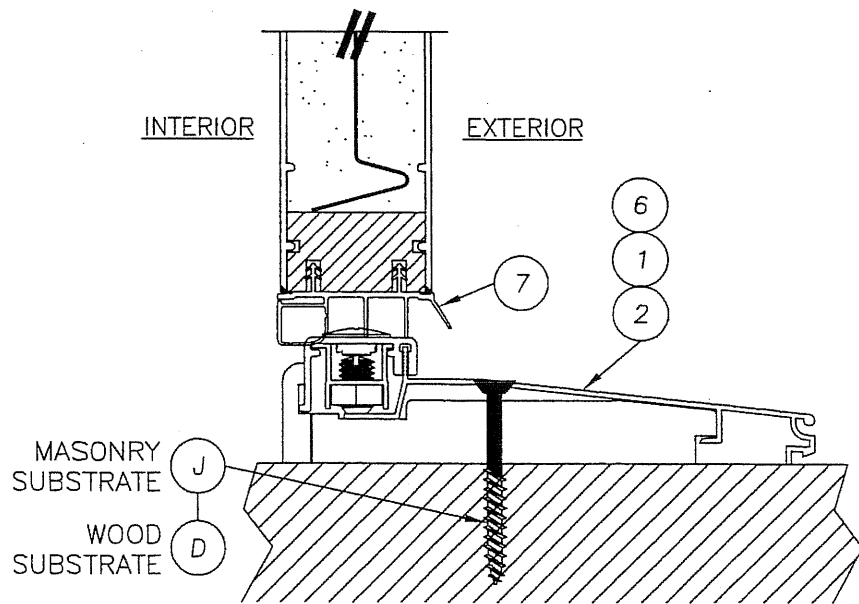
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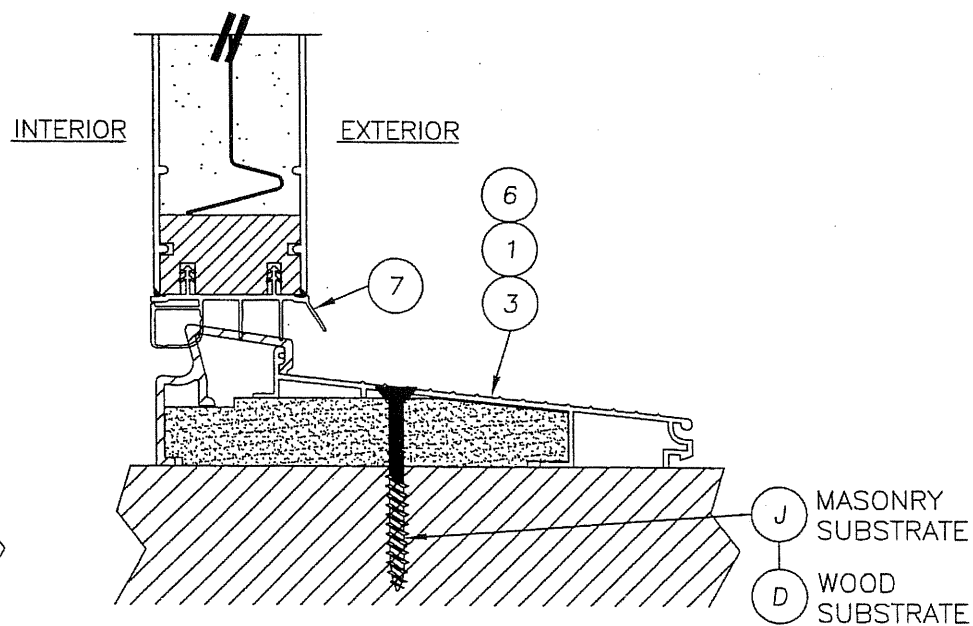
1 VERTICAL CROSS SECTION
8 @ HEAD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



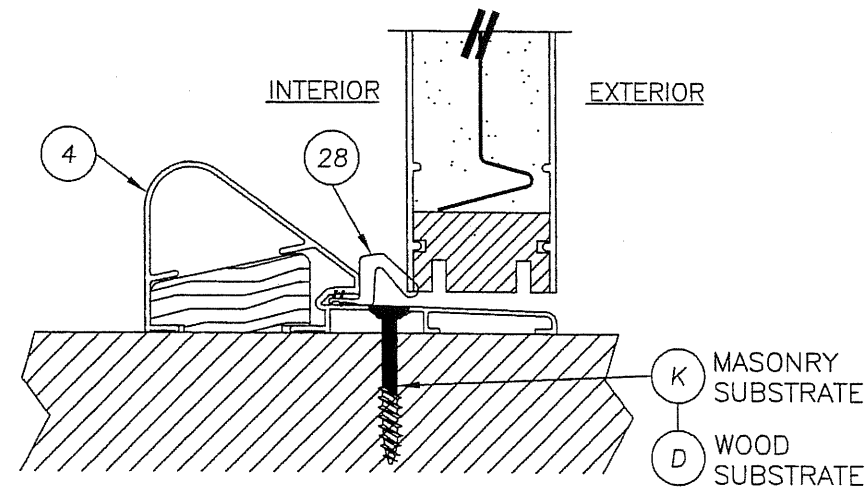
3 VERTICAL CROSS SECTION
8 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



4 VERTICAL CROSS SECTION
8 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



5 VERTICAL CROSS SECTION
8 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES



6 VERTICAL CROSS SECTION
8 @ THRESHOLD
SMOOTH STAR PANEL SHOWN
SEE DOOR PANEL DETAILS FOR
OPTIONAL PANEL TYPES

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:

DOUBLE OPAQUE
FIBERGLASS DOOR W/SIDELITES
"IMPACT" INSING / OUTSWING
PART OR ASSEMBLY:

VERTICAL CROSS SECTIONS

REVISIONS		NO.	DATE	BY

DATE: 12/15/06

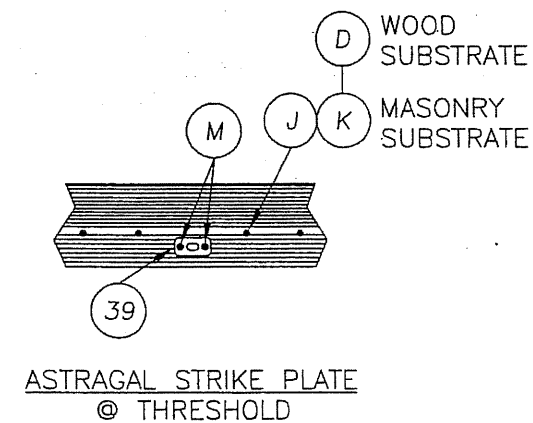
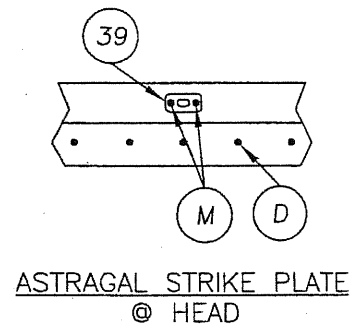
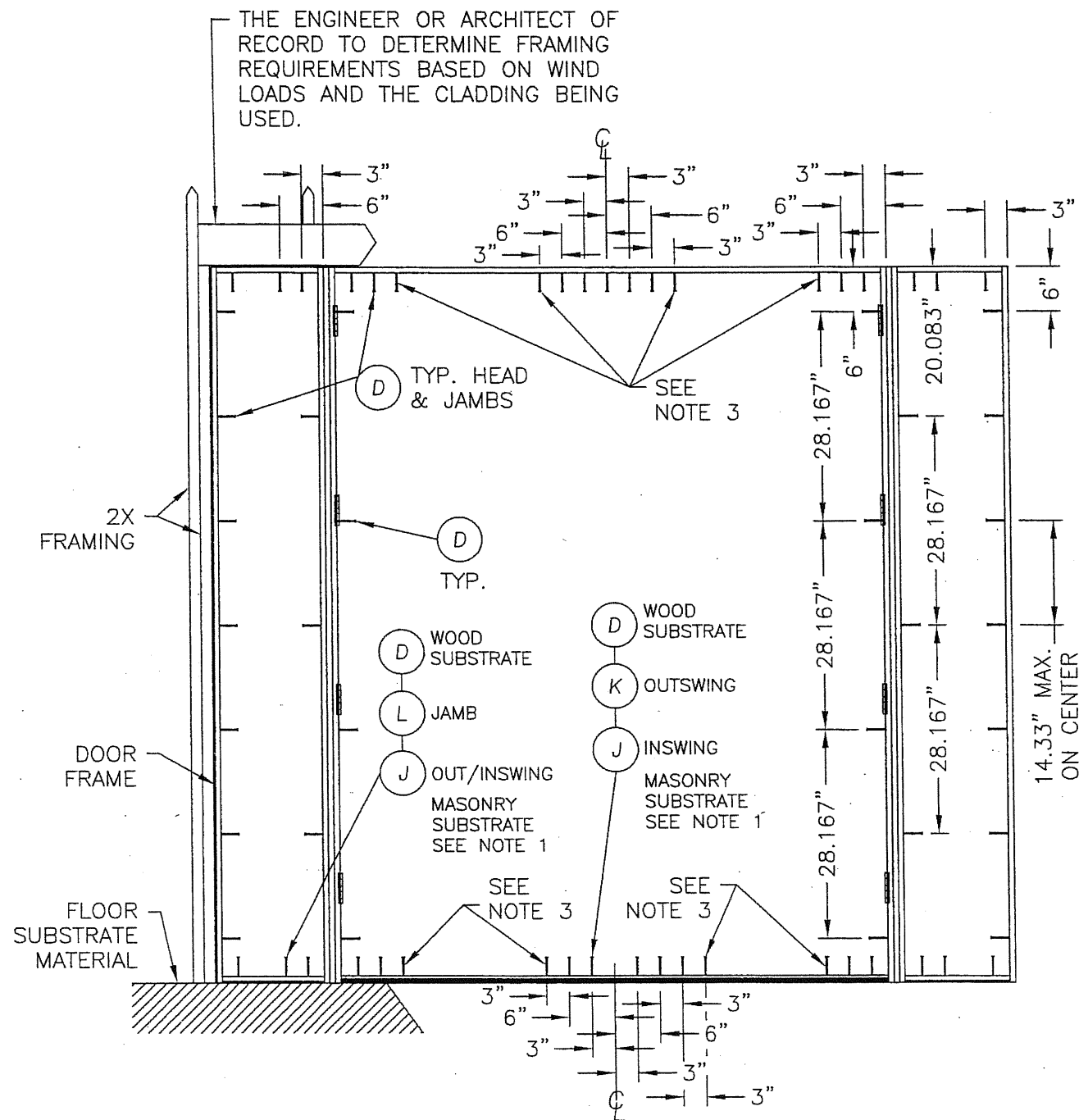
SCALE: N.T.S.

DWG. BY: AEM

CHK. BY: WWH

DRAWING NO.: TX-3179

SHEET 8 OF 13



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.
3. THESE SCREWS ARE REQUIRED ONLY WHEN THE DP EXCEEDS 55 PSF.

Documents Prepared By:

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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. Hanes 2-16
Wendell W. Hanes, P.E. No. 54158

PRODUCT:

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

PART OR ASSEMBLY:

FRAME ANCHORING

[illegible]

DATE: 12/15/06

SCALE: N.T.S.

DWG. BY: AEM

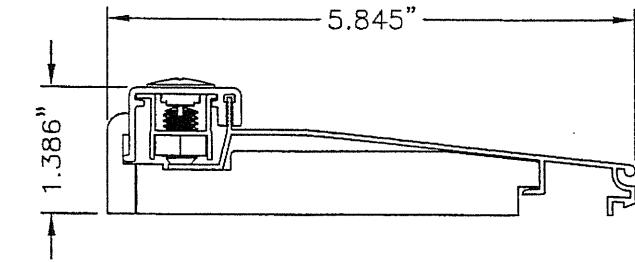
CHK. BY: WWH

DRAWING NO.:

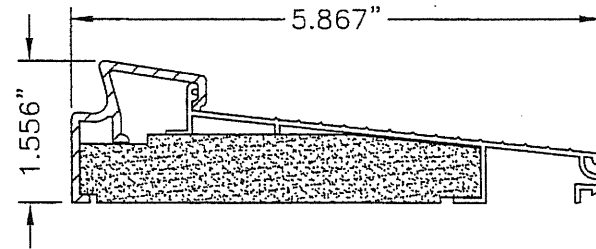
TX-3179

SHEET 10 OF 13

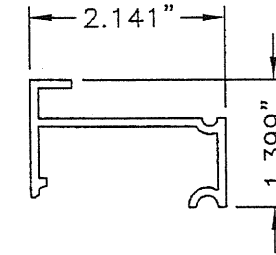
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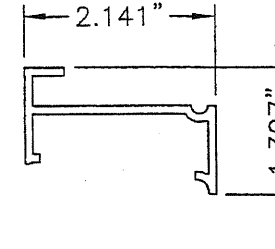
2 THRESHOLD
INSWING ADJUSTABLE



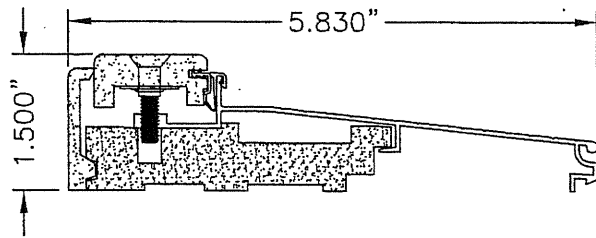
3 THRESHOLD
INSWING SELF-ADJUST



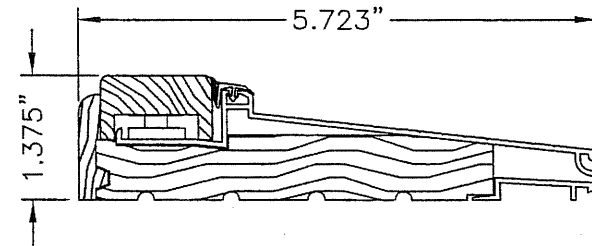
41 INSWING SIDELITE
SPACER



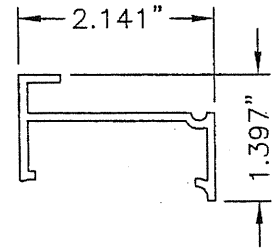
43 INSWING SIDELITE
SPACER



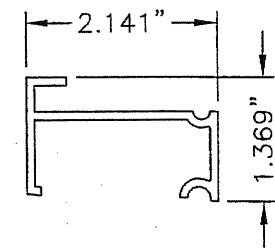
6 THRESHOLD
INSWING
MAX. DP RATING = +/- 50.0 PSF



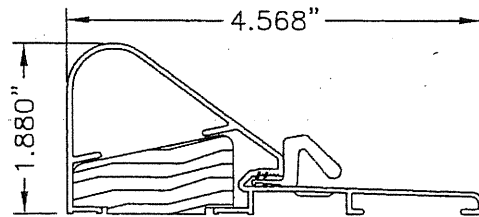
1 THRESHOLD
INSWING ADJUSTABLE



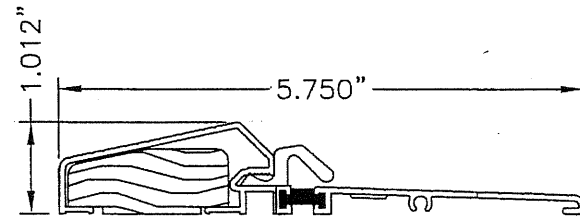
40 INSWING SIDELITE
SPACER



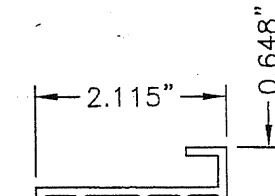
42 INSWING SIDELITE
SPACER



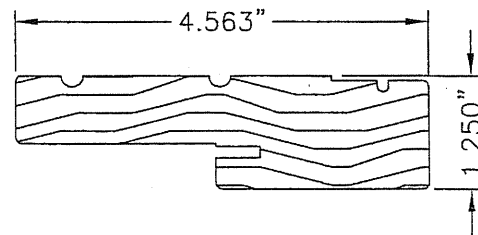
4 THRESHOLD
OUTSWING COASTAL



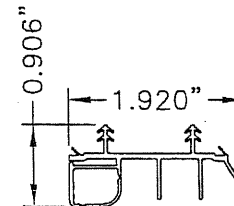
5 THRESHOLD
OUTSWING STANDARD



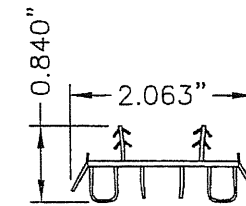
44 OUTSWING SIDELITE
SPACER



9 8 JAMB



7 SWEEP



52 SWEEP

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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. Harvey, P.E. No. 54158	
PRODUCT:		DOUBLE OPAQUE FIBERGLASS DOOR W/ SIDELITES "IMPACT" INSWING / OUTSWING	
PART OR ASSEMBLY:		COMPONENTS	
		REVISIONS	
		NO.	DATE
		BY	
DATE: 12/15/06			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: WWH			
DRAWING NO.: TX-3179			
SHEET 12 OF 13			

BILL OF MATERIALS			BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
B	2X FRAMING	WOOD	38	ASTRAGAL	ALUMINUM
C	1/4" MAX. SHIM SPACE	WOOD	38A	ASTRAGAL FLUSH BOLT	STEEL
D	#10 X 2-1/2" PFH WOOD SCREW	STEEL	38B	ASTRAGAL FLUSH BOLT RETAINER	ALUMINUM
G	KWIKSET 200 SERIES PASSAGE LOCK	STEEL	39	ASTRAGAL STRIKE PLATE @ HEAD	STEEL
H	KWIKSET 600 SERIES DEADBOLT	STEEL	40	INSWING SIDELITE SPACER FOR ADJUSTABLE THRESHOLD (DB14AJA)	PVC
I	1/4" X 3-3/4" ITW TAPCON	STEEL	41	INSWING SIDELITE SPACER FOR HP THRESHOLD (DB14HPA)	PVC
J	1/4" X 2-1/4" ITW TAPCON	STEEL	42	INSWING SIDELITE SPACER FOR SELF ADJUST THRESHOLD (DB14)	PVC
K	1/4" X 1-3/4" ITW TAPCON	STEEL	43	INSWING SIDELITE SPACER	PVC
L	1/4" X 2-3/4" ITW TAPCON	STEEL	44	OUTSWING SIDELITE SPACER	PVC
M	#8 X 3" PFH SCREW (STRIKE PLATES @ HEAD & SILL)	STEEL	45	SIDELITE TOP RAIL	PVC
N	#10 X 1-1/2" PPH SCREW ASTRAGAL TO PANEL	STEEL	46	SIDELITE SKIN 0.070" THK. (SMOOTH STAR) Fy = 6,000 PSI MIN.	FIBERGLASS
O	1X MULLION	WOOD	47	SIDELITE SKIN 0.090" THK. (CLASSIC CRAFT) Fy = 6,000 PSI MIN.	FIBERGLASS
1	INSWING ADJUSTABLE THRESHOLD (IS300AJ)	ALUM./WOOD	48	SIDELITE SKIN 0.070" THK. (FIBER CLASSIC) Fy = 6,000 PSI MIN.	FIBERGLASS
2	INSWING THRESHOLD (IS300HP5)	-	49	#6 X 1-3/4" PFH SCREW (LITE FRAME)	STEEL
3	INSWING SELF ADJUST THERMAL BREAK THRESHOLD (ISP30M)	ALUM./COMP.	50	LITE FRAME FIBER CLASSIC	PVC
4	OUTSWING COASTAL THRESHOLD	ALUM./WOOD	51	LITE FRAME SMOOTH STAR	PVC
5	OUTSWING STANDARD THRESHOLD	ALUM./WOOD	52	DOOR BOTTOM SWEEP	VINYL
6	INSWING THRESHOLD	-	53	#9 X 2-1/2" PFH WOOD SCREW (JAMB TO SIDELITE)	STEEL
7	DOOR BOTTOM SWEEP	VINYL	54	3/4" INSULATED GLASS 1/8" TEMPERED - AIR - 1/8" TEMPERED	GLASS
8	JAMB (PINE)	WOOD	55	1" INSULATED GLASS 1/8" TEMPERED - AIR - 1/8" TEMPERED	GLASS
9	JAMB (OAK)	WOOD	56	1/2" INSULATED GLASS 1/8" TEMPERED - AIR - 1/8" TEMPERED	GLASS
10	HINGE STILE (SMOOTH STAR)	WOOD	57	GLAZING COMPOUND	SILICONE
11	LOCK STILE (SMOOTH STAR)	LVL/WOOD	58	SEALANT	SILICONE
12	TOP RAIL (SMOOTH STAR)	PVC	59	#9 X 1" PPH SCREW (LITE FRAME)	STEEL
13	BOTTOM RAIL (SMOOTH STAR)	PVC	60	SIDELITE STILE	WOOD
14	PANEL REINFORCEMENT 0.023" THK. (SMOOTH STAR)	STEEL	61	SIDELITE BOTTOM RAIL	PVC
15	DOOR SKIN 0.072" THK. (SMOOTH STAR) Fy = 6,000 PSI MIN.	FIBERGLASS	62	HINGE STILE (FIBER CLASSIC)	WOOD
16	HINGE STILE (CLASSIC CRAFT)	WOOD/LVL	63	LOCK STILE (FIBER CLASSIC)	LVL/WOOD
17	LOCK STILE (CLASSIC CRAFT)	WOOD/LVL	64	TOP RAIL (FIBER CLASSIC)	PVC
18	TOP RAIL (CLASSIC CRAFT)	PVC	65	BOTTOM RAIL (FIBER CLASSIC)	PVC
19	BOTTOM RAIL (CLASSIC CRAFT)	PVC	66	PANEL REINFORCEMENT 0.023" THK. (FIBER CLASSIC)	STEEL
20	PANEL REINFORCEMENT 0.023" THK. (CLASSIC CRAFT)	STEEL	67	DOOR SKIN 0.072" THK. (FIBER CLASSIC) Fy = 6,000 PSI MIN.	FIBERGLASS
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			
35	#8 X 3" PFH SCREW	STEEL			
37	DEADBOLT STRIKE PLATE	STEEL			

Documents Prepared By:

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BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197

Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

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

PRODUCT:

DOUBLE OPAQUE
FIBERGLASS DOOR W/ SIDELITES
"IMPACT" INSWING / OUTSWING

PART OR ASSEMBLY:

BILL OF MATERIALS

REVISIONS

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DATE: 12/15/06

SCALE: N.T.S.

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CHK. BY: WWH

DRAWING NO.:

TX-3179

SHEET 13 OF 13