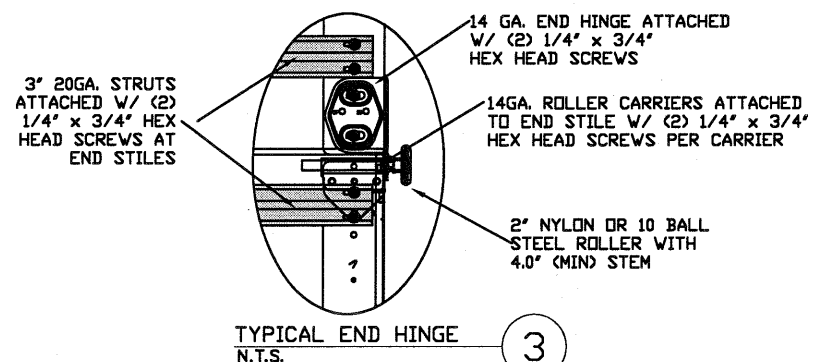
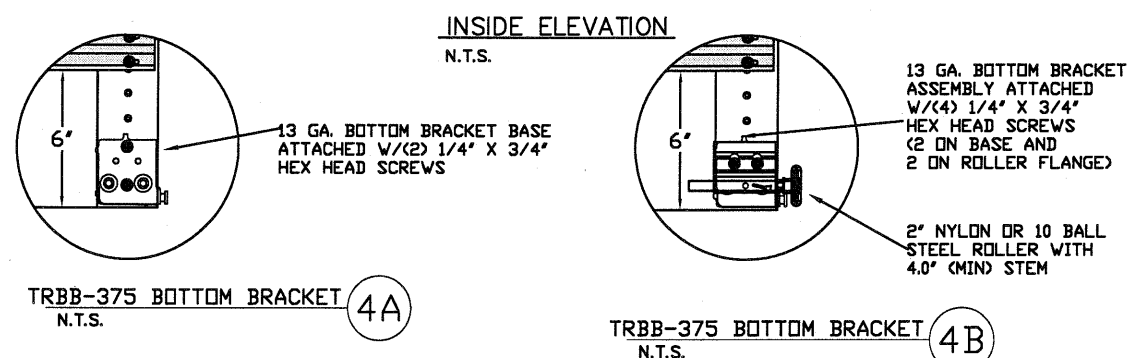
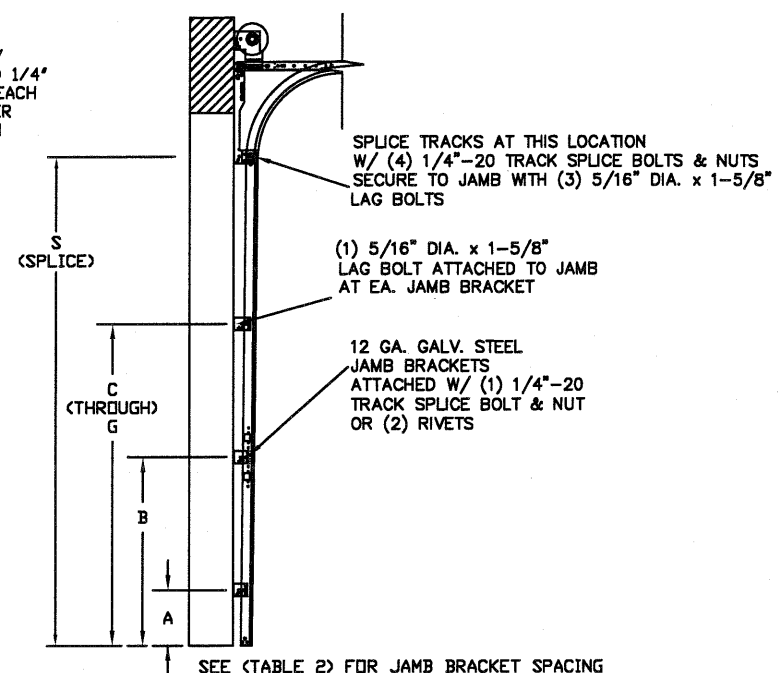
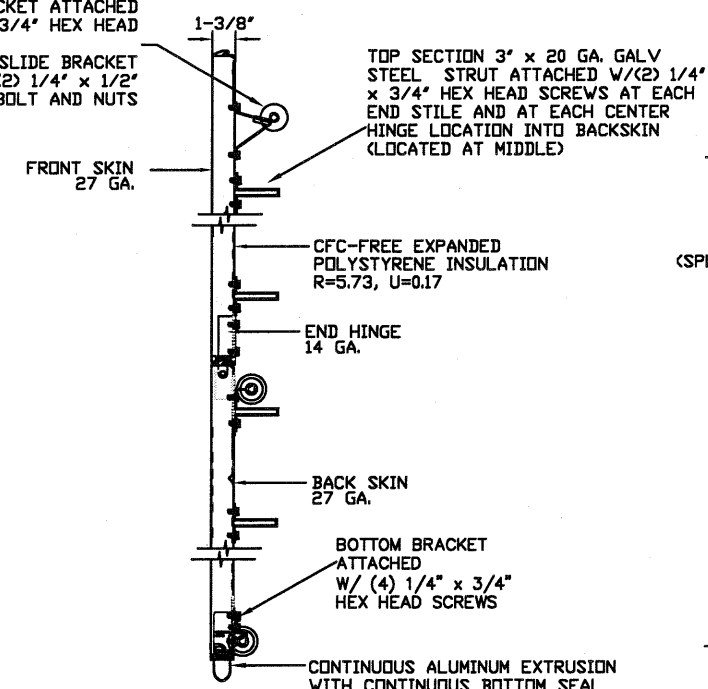
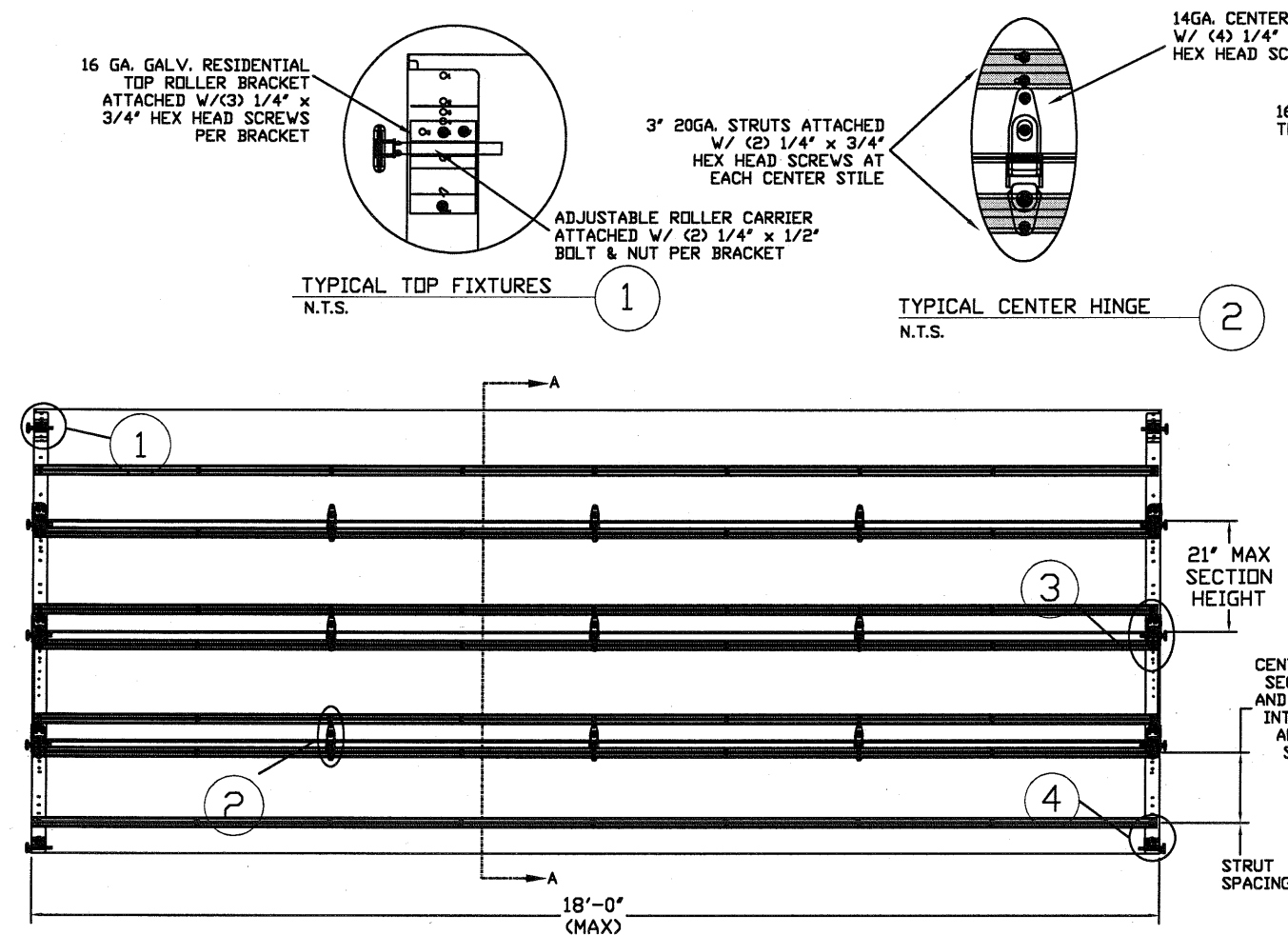
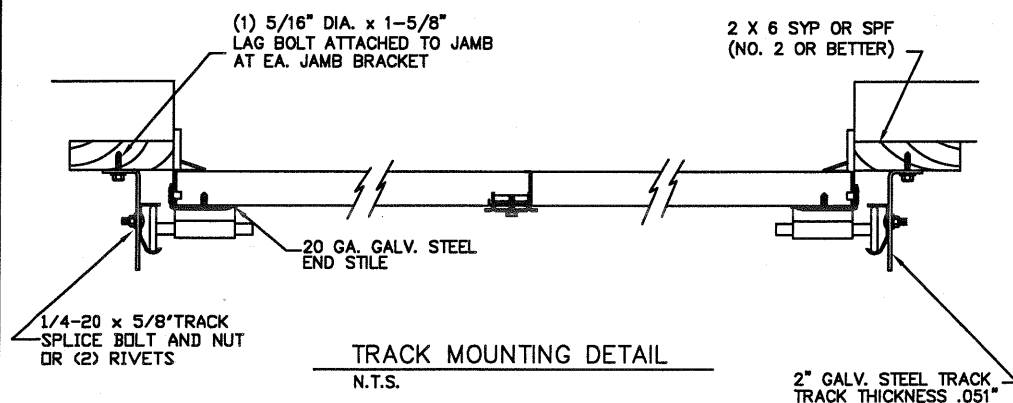


THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	129	117	111	106	102
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

SPECIFICATIONS AND NOTES

- DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +135.0 LBS/FT & -153.0 LBS/FT
- DOOR SECTIONS SHALL BE 27 GA. MIN. (.0151") ROLLED FORMED LIGHT COMMERCIAL QUALITY
- SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.



REV	DESCRIPTION OF REVISIONS	DATE	BY
A	NOTE 3 SKIN GAUGE CORRECTED	2/21/08	SKW
B	NOTE 5 REVISED	9/2/08	BHG

MAX SIZE 18' WIDTH 14' HEIGHT (DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS)

DESIGN LOADS +15.0 PSF -17.0 PSF

TEST LOADS (1.5 x DESIGN LOADS) +22.5 PSF -25.5 PSF

THOMAS L. SHELDERDINE LICENSE No. 48579 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL

Thomas L. Sheldermine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)

dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410

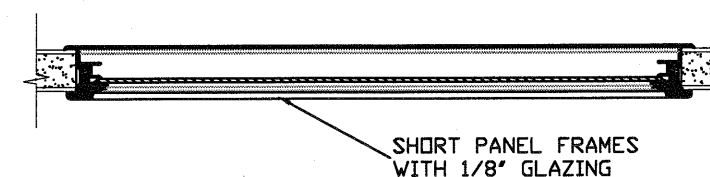
Amarr

MODEL #1500 AMARR STRATFORD 3000
MODEL #1200 AMARR HERITAGE 3000
MODEL #1550 AMARR OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS

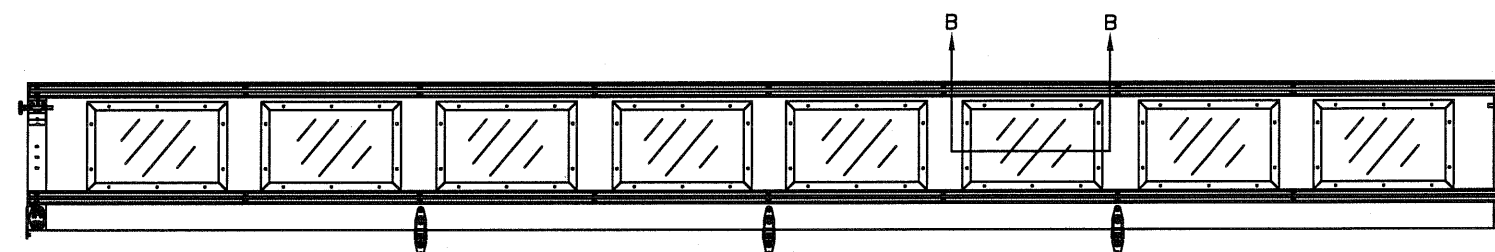
SIZE	DRAWN BY	BHG	DATE	05/31/07	DRAWING NUMBER
B	CHECKED BY	SKW	DATE	05/31/07	IRC-1518-100-15
ENTREMATICS 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 1 OF 3

GLAZING OPTION CROSS SECTION

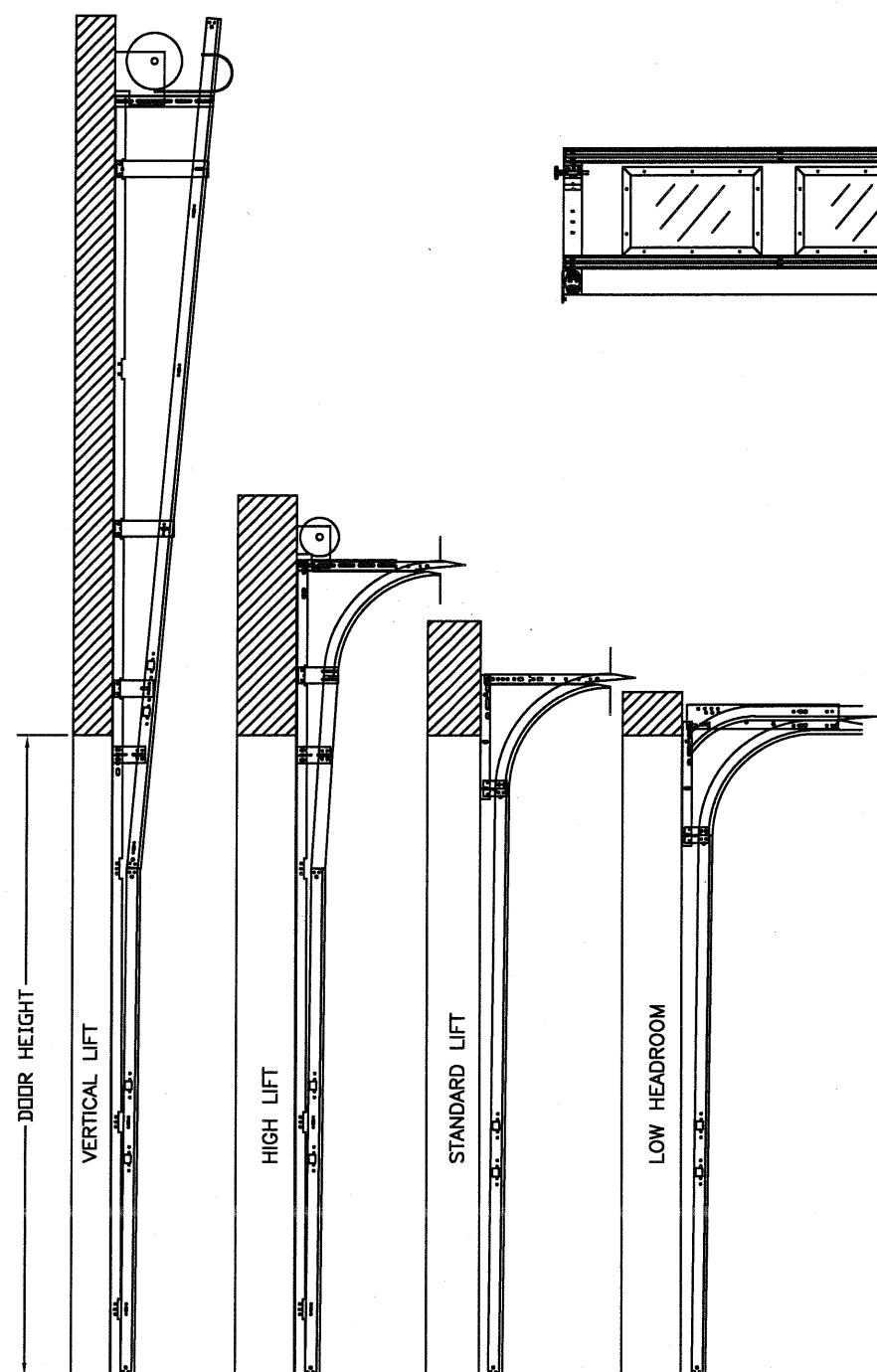
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E1300-04.



SECTION B-B



OPTIONAL SHORT PANEL
GLAZED SECTION



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE

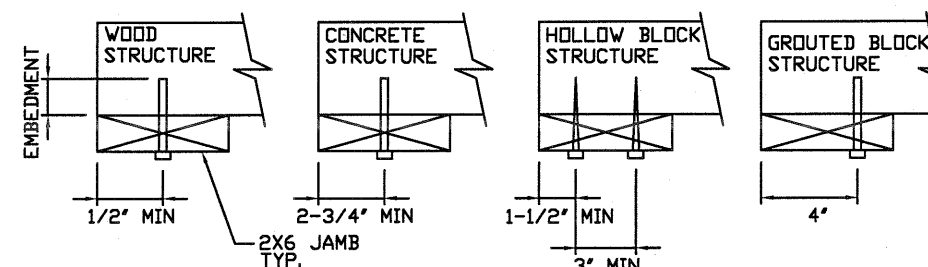
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK
SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/2" EMBEDMENT)
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/4" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS



REV	DESCRIPTION OF REVISIONS	DATE	BY
A	NOTE 3 SKIN GAUGE CORRECTED	2/21/08	SKW
B	NOTE 5 REVISED	9/2/08	BHG

MAX SIZE 18' WIDTH 14' HEIGHT (DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS)	DESIGN LOADS +15.0 PSF -17.0 PSF	TEST LOADS (1.5 x DESIGN LOADS) +22.5 PSF -25.5 PSF	THOMAS L. SHELDERDINE LICENSE No. 48579 12/20 STATE OF FLORIDA PROFESSIONAL ENGINEER FL	Thomas L. Shelderdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)	dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410
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Amarr

MODEL #1500 AMARR STRATFORD 3000
MODEL #1200 AMARR HERITAGE 3000
MODEL #1550 AMARR OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS

SIZE	DRAWN BY	BHG	DATE	05/31/07	DRAWING NUMBER
B	CHECKED BY	SKW	DATE	05/31/07	IRC-1518-100-15
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 2 OF 3

TABLE 1

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9' 6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	21"				

TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT							SPLICE S
	A	B	C	D	E	F	G	
6' 6"	10"	38"	58"					70"
7'	10"	38"	58"					76"
7' 6"	4"	28"	52"	76"				82"
8'	10"	34"	58"	82"				88"
8' 6"	4"	28"	52"	76"				94"
9'	10"	34"	58"	82"				100"
9' 6"	4"	28"	52"	76"	100"			106"
10'	10"	34"	58"	82"	106"			112"
10' 6"	4"	28"	52"	76"	100"			118"
11'	10"	34"	58"	82"	106"			124"
11' 6"	4"	28"	52"	76"	100"	124"		130"
12'	10"	34"	58"	82"	106"	130"		136"
12' 6"	4"	28"	52"	76"	100"	124"		142"
13'	10"	34"	58"	82"	106"	130"		148"
13' 6"	4"	28"	52"	76"	100"	124"	148"	154"
14'	10"	34"	58"	82"	106"	130"	154"	160"

ALL TRACK ATTACHMENT SPACING +/-2' ALLOWED WITH SYP
OR SPF NO. 2 OR BETTER ONLY

TABLE 3

Section	Panel Type	Positive (PSF)	Negative (PSF)
Width (ft)			
16'2	Short	16.6	18.8
16'2	Long	16.6	18.8
16'4	Short	16.4	18.6
16'4	Long	16.4	18.6
16'6	Short	16.2	18.4
16'6	Long	16.2	18.4
16'8	Short	16.1	18.2
16'8	Long	16.1	18.2
16'10	Short	15.9	18
16'10	Long	15.9	18
17'0	Short	15.8	17.9
17'0	Long	15.8	17.9
17'2	Short	15.6	17.7
17'2	Long	15.6	17.7
17'4	Short	15.4	17.5
17'4	Long	15.4	17.5
17'6	Short	15.3	17.3
17'6	Long	15.3	17.3
17'8	Short	15.2	17.2
17'8	Long	15.2	17.2
17'10	Short	15	17
17'10	Long	15	17
18'0	Short	15	17
18'0	Long	15	17

TABLE 4

Section	Panel Type	Center Stile Locations (Measured from Left Edge)		
		1st (in)	2nd (in)	3rd (in)
16'2	Short	50.272	97.000	143.728
16'2	Long	51.168	97.000	142.834
16'4	Short	51.272	98.000	144.728
16'4	Long	52.168	98.000	143.834
16'6	Short	52.272	99.000	145.728
16'6	Long	51.340	99.000	146.660
16'8	Short	51.340	100.000	148.660
16'8	Long	52.200	100.000	147.800
16'10	Short	51.500	101.000	150.500
16'10	Long	53.200	101.000	148.800
17'0	Short	53.340	102.000	150.660
17'0	Long	54.200	102.000	149.800
17'2	Short	53.000	103.000	153.000
17'2	Long	55.200	103.000	150.800
17'4	Short	54.000	104.000	154.000
17'4	Long	56.200	104.000	151.800
17'6	Short	55.000	105.000	155.000
17'6	Long	57.200	105.000	152.800
17'8	Short	54.800	106.000	157.200
17'8	Long	55.800	106.000	156.200
17'10	Short	55.800	107.000	158.200
17'10	Long	56.250	107.000	157.750
18'0	Short	57.250	108.000	158.750
18'0	Long	57.800	108.000	158.200

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	NOTE 3 SKIN GAUGE CORRECTED	2/21/08	SKW
B	NOTE 5 REVISED	9/2/08	BHG

MAX SIZE
18' WIDTH
14' HEIGHT
(DOOR HEIGHT SUBJECT
TO WEIGHT LIMITATIONS)

DESIGN LOADS
+15.0 PSF
-17.0 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+22.5 PSF
-25.5 PSF

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

THOMAS L. SHELMERDINE
LICENSE
No. 48579
11/12/2008
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
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ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 3 OF 3