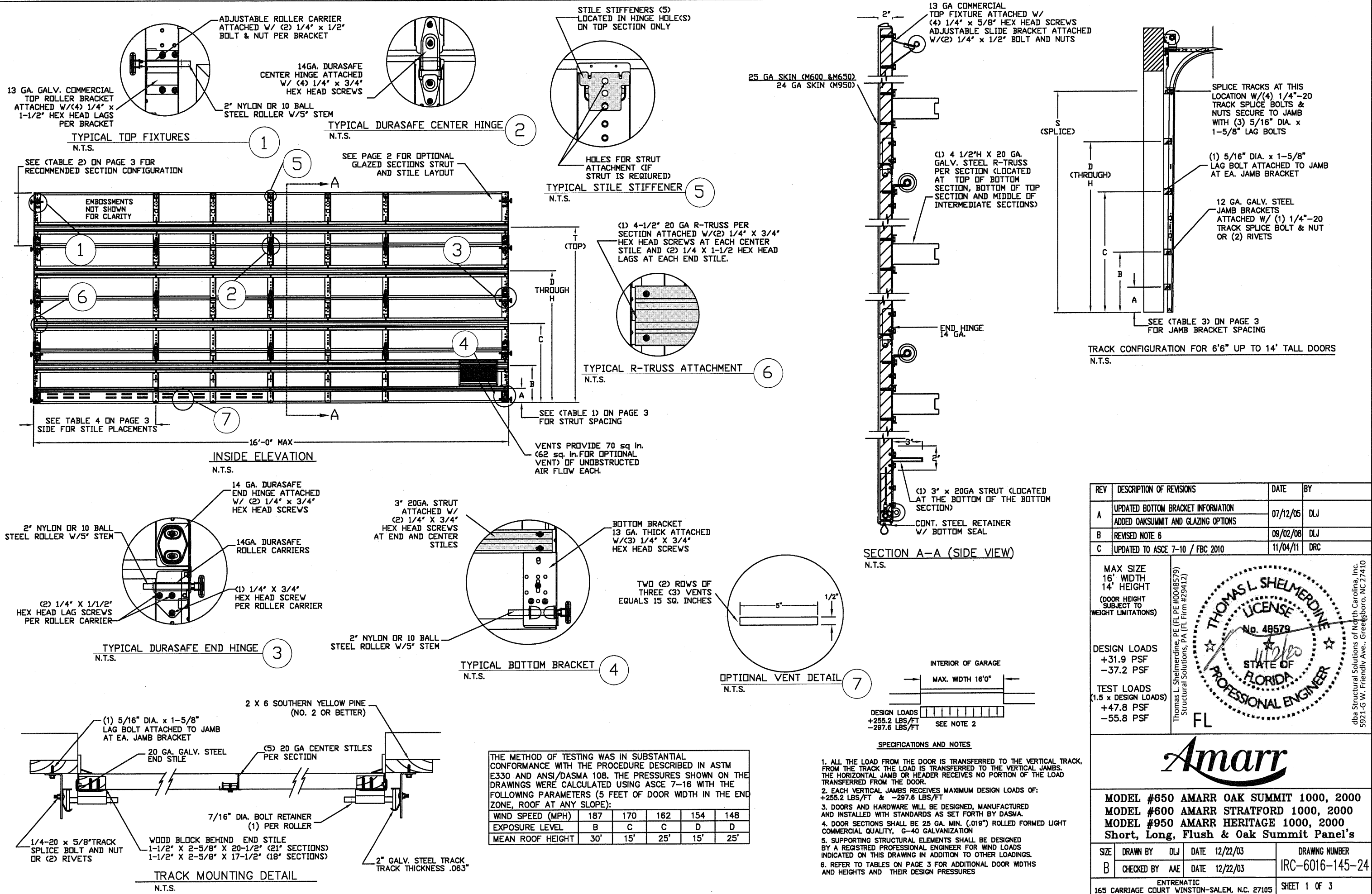
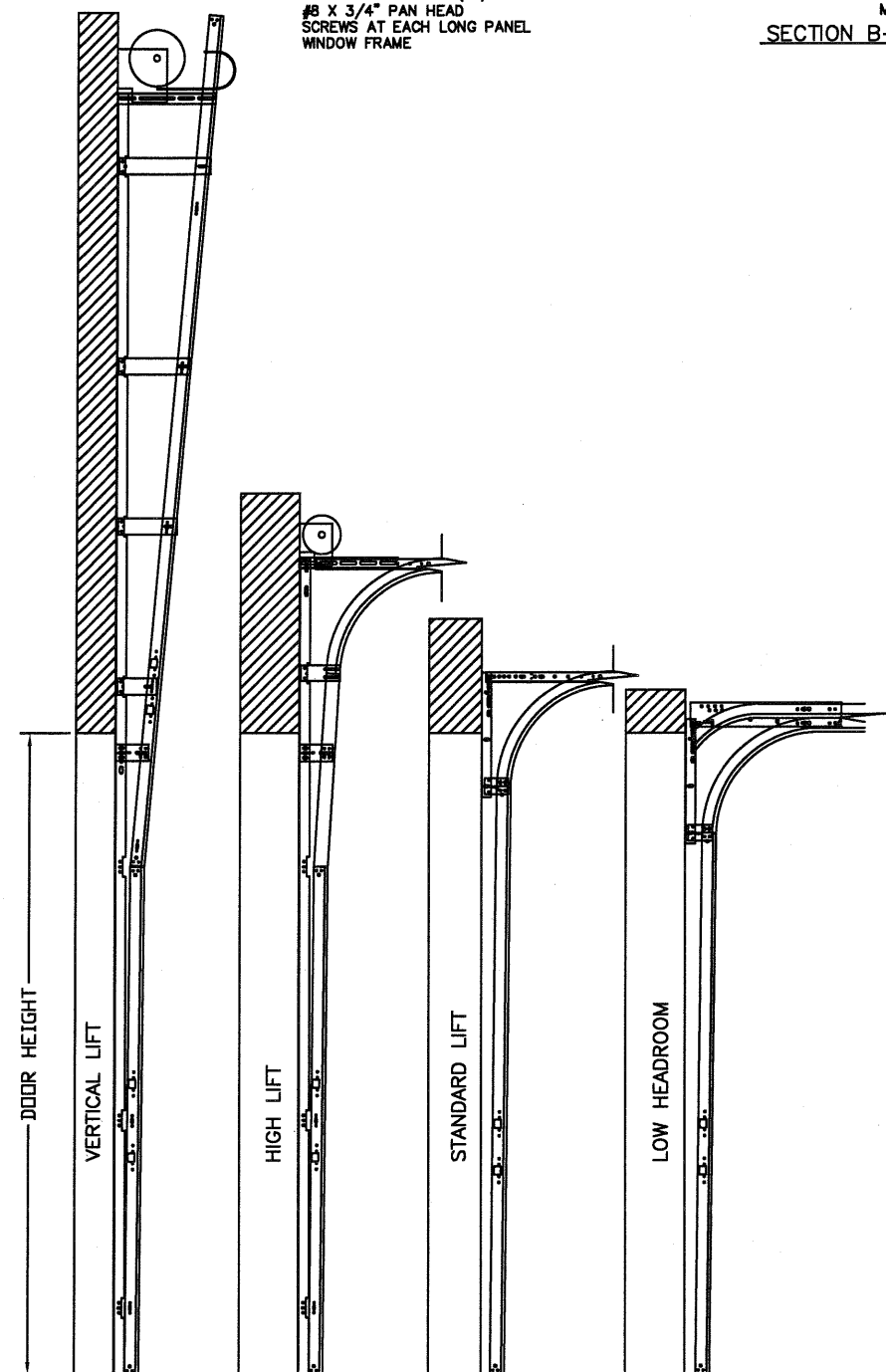


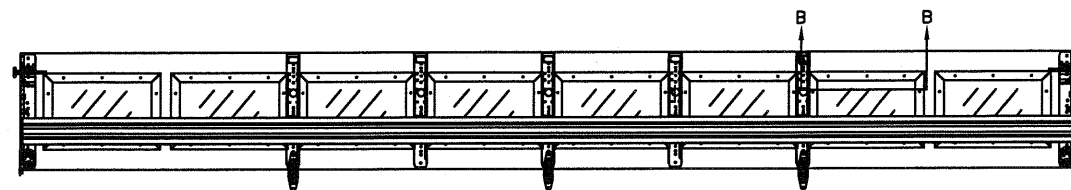
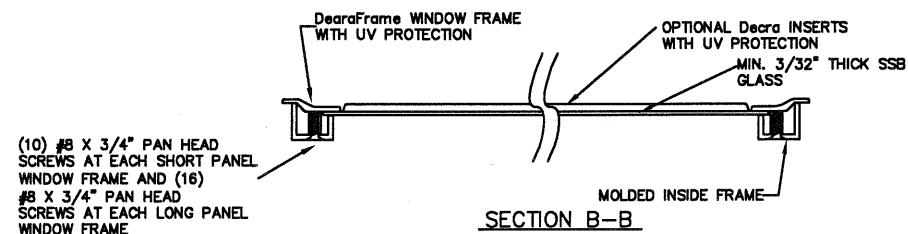




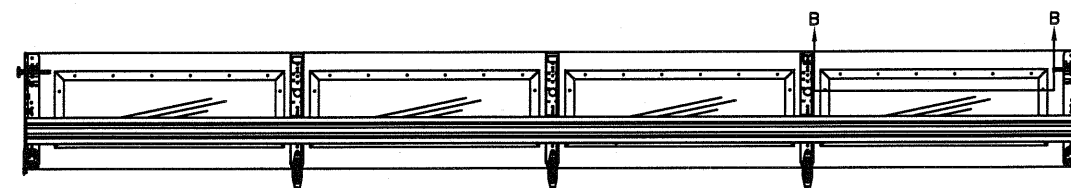
AVAILABLE TRACK CONFIGURATIONS
N.T.S.

GLAZING OPTION CROSS SECTION

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



OPTIONAL SHORT PANEL GLAZED SECTION STRUT AND STILE LAYOUT



OPTIONAL LONG PANEL GLAZED SECTION STRUT AND STILE LAYOUT
LONG PANEL GLAZING OPTION AVAILABLE ONLY ON DOORS 15'6\"/>

4-1/2\"/>

WOOD JAMB ATTACHMENT TO STRUCTURE

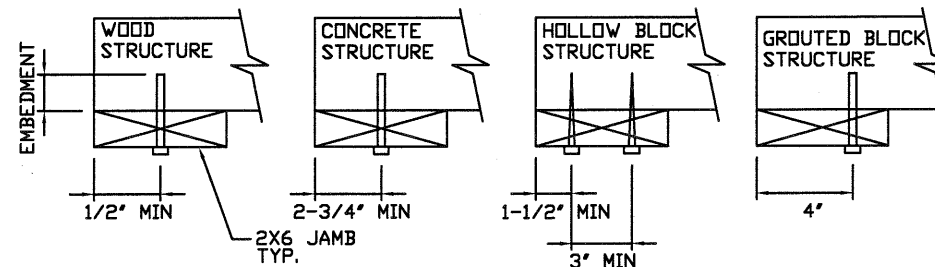
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16\"/>

2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8\"/>

2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK
SIMPSON 1/4\"/>

2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8\"/>

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



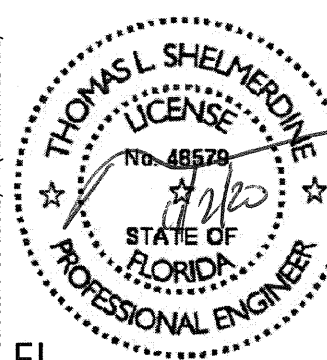
REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED BOTTOM BRACKET INFORMATION ADDED OAKSUMMIT AND GLAZING OPTIONS	07/12/05	DLJ
B	REVISED NOTE 6	09/02/08	DLJ
C	UPDATED TO ASCE 7-10 / FBC 2010	11/04/11	DRC

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

DESIGN LOADS
+31.9 PSF
-37.2 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+47.8 PSF
-55.8 PSF

Thomas L. Shelmerdine, 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 #650 AMARR OAK SUMMIT 1000, 2000
MODEL #600 AMARR STRATFORD 1000, 2000
MODEL #950 AMARR HERITAGE 1000, 2000
Short, Long, Flush & Oak Summit Panel's

SIZE	DRAWN BY	DLJ	DATE	12/22/03	DRAWING NUMBER
B	CHECKED BY	AAE	DATE	12/22/03	IRC-6016-145-24
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 2 OF 3

TABLE 4

Section	Panel Type	Center Stile Locations (Measured from Left Edge)				
		1st (in)	2st (in)	3rd (in)	4th (in)	5th (in)
10' 0	Short	48.41	71.59			
10' 0	Long	30.00	60.00	90.00		
10' 0	Oak Summit	30.63	60.00	89.38		
12' 0	Short	48.81	72.00	95.19		
12' 0	Long	49.63	72.00	94.38		
12' 0	Oak Summit	48.31	72.00	95.69		
12' 2	Short	49.64	73.00	96.36		
12' 2	Long	50.08	73.00	95.92		
12' 2	Oak Summit	49.06	73.00	96.94		
12' 4	Short	50.64	74.00	97.36		
12' 4	Long	51.08	74.00	96.92		
12' 4	Oak Summit	49.81	74.00	98.19		
12' 6	Short	50.67	75.00	99.33		
12' 6	Long	51.17	75.00	98.83		
12' 6	Oak Summit	50.56	75.00	99.44		
12' 8	Short	51.67	76.00	100.33		
12' 8	Long	52.10	76.00	99.90		
12' 8	Oak Summit	51.31	76.00	100.69		
12' 10	Short	52.25	77.00	101.75		
12' 10	Long	53.10	77.00	100.90		
12' 10	Oak Summit	52.06	77.00	101.94		
13' 0	Short	53.00	78.00	103.00		
13' 0	Long	54.10	78.00	101.90		
13' 0	Oak Summit	52.81	78.00	103.19		
13' 2	Short	54.00	79.00	104.00		
13' 2	Long	55.10	79.00	102.90		
13' 2	Oak Summit	53.56	79.00	104.44		
13' 4	Short	54.40	80.00	105.60		
13' 4	Long	54.90	80.00	105.10		
13' 4	Oak Summit	54.31	80.00	105.69		
13' 6	Short	55.40	81.00	106.60		
13' 6	Long	55.90	81.00	106.10		
13' 6	Oak Summit	55.06	81.00	106.94		
13' 8	Short	56.40	82.00	107.60		
13' 8	Long	56.63	82.00	107.38		
13' 8	Oak Summit	55.81	82.00	108.19		
13' 10	Short	57.16	83.00	108.71		
13' 10	Long	57.17	83.00	108.83		
13' 10	Oak Summit	56.56	83.00	109.44		
14' 0	Short	57.76	84.00	110.11		
14' 0	Long	58.63	84.00	109.38		
14' 0	Oak Summit	57.31	84.00	110.69		
14' 2	Short	58.85	85.00	111.41		
14' 2	Long	59.17	85.00	110.83		
14' 2	Oak Summit	58.06	85.00	111.94		
14' 4	Short	59.16	86.00	112.71		
14' 4	Long	60.17	86.00	111.83		
14' 4	Oak Summit	58.81	86.00	113.19		
14' 6	Short	59.86	87.00	114.01		
14' 6	Long	61.17	87.00	112.83		
14' 6	Oak Summit	59.56	87.00	114.44		
14' 8	Short	60.56	88.00	115.31		
14' 8	Long	44.81	^66.41	88.00	^109.59	131.19
14' 8	Oak Summit	60.31	88.00	115.69		
14' 10	Short	61.26	89.00	116.61		
14' 10	Long	45.60	^67.30	89.00	^110.70	132.40
14' 10	Oak Summit	61.06	89.00	116.94		
15' 0	Short	61.94	^75.97	90.00	^103.97	117.94
15' 0	Long	46.60	^68.30	90.00	^111.70	133.40
15' 0	Oak Summit	33.63	^61.81	90.00	^118.19	146.38
15' 2	Short	62.66	^76.83	91.00	^105.11	119.21
15' 2	Long	47.60	^69.30	91.00	^112.70	134.40
15' 2	Oak Summit	34.13	^62.56	91.00	^119.44	147.88
15' 4	Short	53.60	79.20	104.80	130.40	
15' 4	Long	47.25	^69.63	92.00	^114.38	136.75
15' 4	Oak Summit	34.63	^63.31	92.00	^120.69	149.38
15' 6	Short	46.62	^69.81	93.00	^116.19	139.38
15' 6	Long	47.60	^70.30	93.00	^115.70	138.40
15' 6	Oak Summit	47.42	^70.21	93.00	^115.79	138.58
15' 8	Short	47.62	^70.81	94.00	^117.19	140.38
15' 8	Long	48.60	^71.30	94.00	^116.70	139.40
15' 8	Oak Summit	48.02	^71.01	94.00	^116.99	139.98
15' 10	Short	48.62	^71.81	95.00	^118.19	141.38
15' 10	Long	49.17	^72.08	95.00	^117.92	140.83
15' 10	Oak Summit	48.62	^71.81	95.00	^118.19	141.38
16' 0	Short	49.62	^72.81	96.00	^119.19	142.38
16' 0	Long	50.60	^73.30	96.00	^118.70	141.40
16' 0	Oak Summit	48.42	^72.21	96.00	^119.79	143.58

^ Stiles do not need to be hinged

TABLE 5

Section	Panel Type	Max Design Loads Allowed	
		Positive (PSF)	Negative (PSF)
10' 0	Short	42.6	49.6
10' 0	Long	50.8	59.2
10' 0	Oak Summit	50.8	59.2
12' 0	Short	42.3	49.4
12' 0	Long	42.3	49.4
12' 0	Oak Summit	42.3	49.4
12' 2	Short	41.7	48.7
12' 2	Long	41.7	48.7
12' 2	Oak Summit	41.7	48.7
12' 4	Short	41.2	48.0
12' 4	Long	41.2	48.0
12' 4	Oak Summit	41.2	48.0
12' 6	Short	40.6	47.4
12' 6	Long	40.6	47.4
12' 6	Oak Summit	40.6	47.4
12' 8	Short	40.1	46.8
12' 8	Long	40.1	46.8
12' 8	Oak Summit	40.1	46.8
12' 10	Short	39.6	46.1
12' 10	Long	39.6	46.1
12' 10	Oak Summit	39.6	46.1
13' 0	Short	39.1	45.6
13' 0	Long	39.1	45.6
13' 0	Oak Summit	39.1	45.6
13' 2	Short	38.6	45.0
13' 2	Long	38.6	45.0
13' 2	Oak Summit	38.6	45.0
13' 4	Short	38.1	44.4
13' 4	Long	38.1	44.4
13' 4	Oak Summit	38.1	44.4
13' 6	Short	37.6	43.9
13' 6	Long	37.6	43.9
13' 6	Oak Summit	37.6	43.9
13' 8	Short	37.2	43.3
13' 8	Long	37.2	43.3
13' 8	Oak Summit	37.2	43.3
13' 10	Short	36.7	42.8
13' 10	Long	36.7	42.8
13' 10	Oak Summit	36.7	42.8
14' 0	Short	36.3	42.3
14' 0	Long	36.3	42.3
14' 0	Oak Summit	36.3	42.3
14' 2	Short	35.8	41.8
14' 2	Long	35.8	41.8
14' 2	Oak Summit	35.8	41.8
14' 4	Short	35.4	41.3
14' 4	Long	35.4	41.3
14' 4	Oak Summit	35.4	41.3
14' 6	Short	35.0	40.8
14' 6	Long	35.0	40.8
14' 6	Oak Summit	35.0	40.8
14' 8	Short	34.6	40.4a
14' 8	Long	34.6	40.4 a
14' 8	Oak Summit	34.6	40.4 a
14' 10	Short	34.2	39.9 a
14' 10	Long	34.2	39.9 a
14' 10	Oak Summit	34.2	39.9 a
15' 0	Short	33.9	39.5 a
15' 0	Long	33.9	39.5 a
15' 0	Oak Summit	33.9	39.5 a
15' 2	Short	33.5	39.0 a,b
15' 2	Long	33.5	39.0 a,b
15' 2	Oak Summit	33.5	39.0 a,b
15' 4	Short	33.1	38.6 a,b
15' 4	Long	33.1	38.6 a,b
15' 4	Oak Summit	33.1	38.6 a,b
15' 6	Short	32.8	38.2 a,b
15' 6	Long	32.8	38.2 a,b
15' 6	Oak Summit	32.8	38.2 a,b
15' 8	Short	32.4	37.8 a,b
15' 8	Long	32.4	37.8 a,b
15' 8	Oak Summit	32.4	37.8 a,b
15' 10	Short	32.1	37.4 a,b
15' 10	Long	32.1	37.4 a,b
15' 10	Oak Summit	32.1	37.4 a,b
16' 0	Short	31.9	37.2
16' 0	Long	31.9	37.2
16' 0	Oak Summit	31.9	37.2

(a) For doors 10'6, 12'0, 13'6 and 14'0 tall, multiply above pressures x 14.476/door width

(b) For doors 8'6, 10'0, 11'6 and 13'0 tall, multiply above pressures x 15.008/door width

TABLE 1

DOOR HEIGHT	STRUT SPACING (BASED ON RECOMMENDED SECTION CONFIGURATION)								TOP T
	A	B	C	D	E	F	G	H	
6' 6"	5 1/2	15 1/4	30	48					63 1/2
7'	5 1/2	15 1/4	31 1/2	52 1/2					69 1/2
7' 6"	5 1/2	12 1/4	27	45	63				78 1/2
8'	5 1/2	15 1/4	30	48	66				81 1/2
8' 6"	5 1/2	15 1/4	31 1/2	52 1/2	72				87 1/2
9'	5 1/2	12 1/4	27	45	63	81			96 1/2
9' 6"	5 1/2	15 1/4	30	48	66	84			99 1/2
10'	5 1/2	15 1/4	31 1/2	52 1/2	72	90			105 1/2
10' 6"	5 1/2	15 1/4	31 1/2	52 1/2	73 1/2	94 1/2			111 1/2
11'	5 1/2	15 1/4	30	48	66	84	102		117 1/2
11' 6"	5 1/2	15 1/4	31 1/2	52 1/2	72	90	108		123 1/2
12'	5 1/2	15 1/4	31 1/2	52 1/2	73 1/2	94 1/2	114		129 1/2
12'6"	5 1/2	15 1/4	30	48	66	84	102	120	135 1/2
13'	5 1/2	15 1/4	31 1/2	52 1/2	72	90	108	126	141 1/2
13' 6"	5 1/2	15 1/4	31 1/2	52 1/2	73 1/2	94 1/2	114	132	147 1/2
14'	5 1/2	15 1/4	31 1/2	52 1/2	73 1/2	94 1/2	115 1/2	136 1/2	153 1/2

TABLE 3

DOOR HEIGHT	TRACK ATTACHMENT								SPLICE S
	A	B	C	D	E	F	G	H	
6' 6"	10"	21"	38"	58"					70"
7'	10"	21"	42"	63"					76"
7' 6"	10"	18"	36"	54"	72"				82"
8'	10"	21"	39"	58"	75"				88"
8' 6"	10"	21"	42"	63"	81"				94"
9'	10"	18"	36"	54"	72"	90"			100"
9' 6"	10"	21"	39"	57"	75"	93"			106"
10'	10"	21"	42"	63"	81"	99"			112"
10' 6"	10"	21"	42"	63"	84"	105"			118"
11'	10"	21"	39"	57"	75"	93"	111"		124"
11' 6"	10"	21"	42"	63"	81"	99"	117"		130"
12'	10"	21"	42"	63"	84"	105"	123"		136"
12'6"	10"	21"	39"	57"	75"	93"	111"	129"	142"
13'	10"	21"	42"	63"	81"	99"	117"	135"	148"
13' 6"	10"	21"	42"	63"	84"	105"	123"	141"	154"
14'	10"	21"	42"	63"	84"	105"	126"	147"	160"

ALL TRACK ATTACHMENT SPACING +/-2" ALLOWED

TABLE 2

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"				