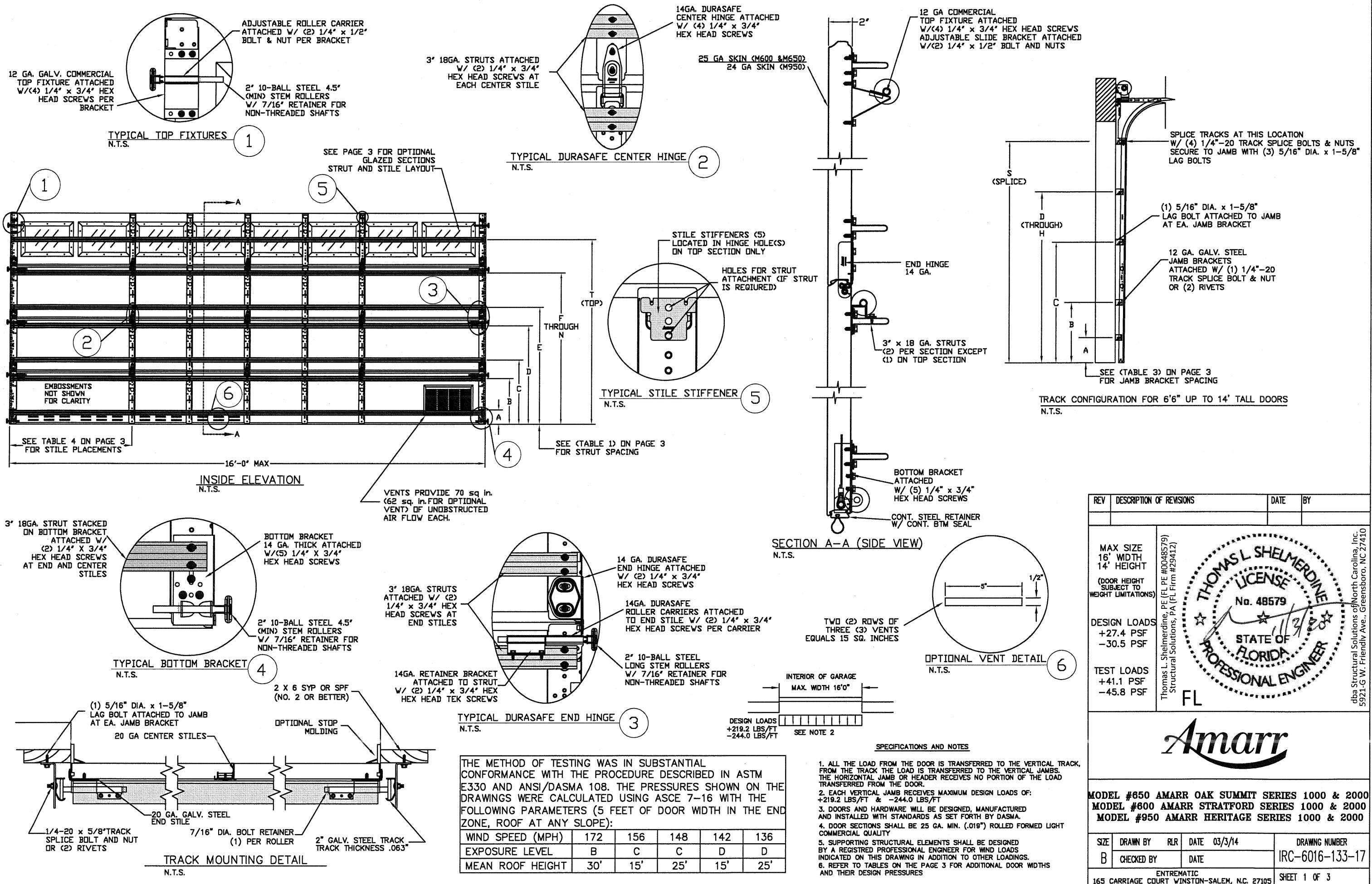
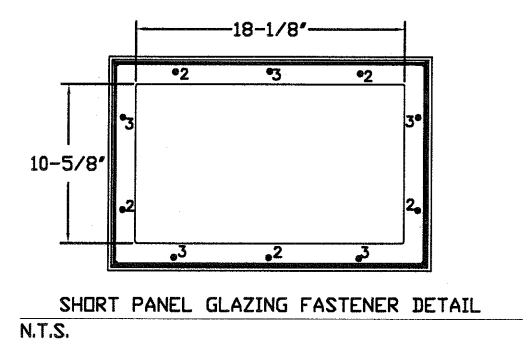
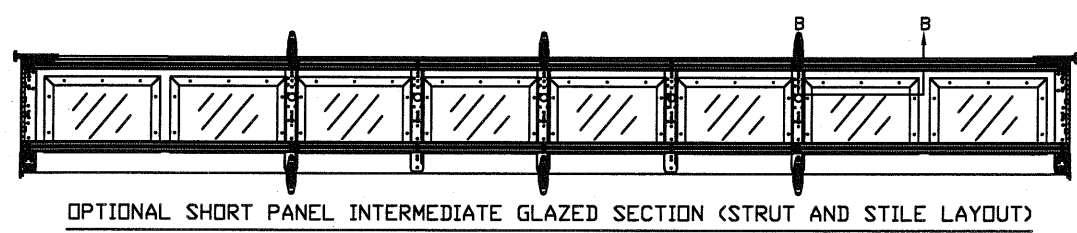
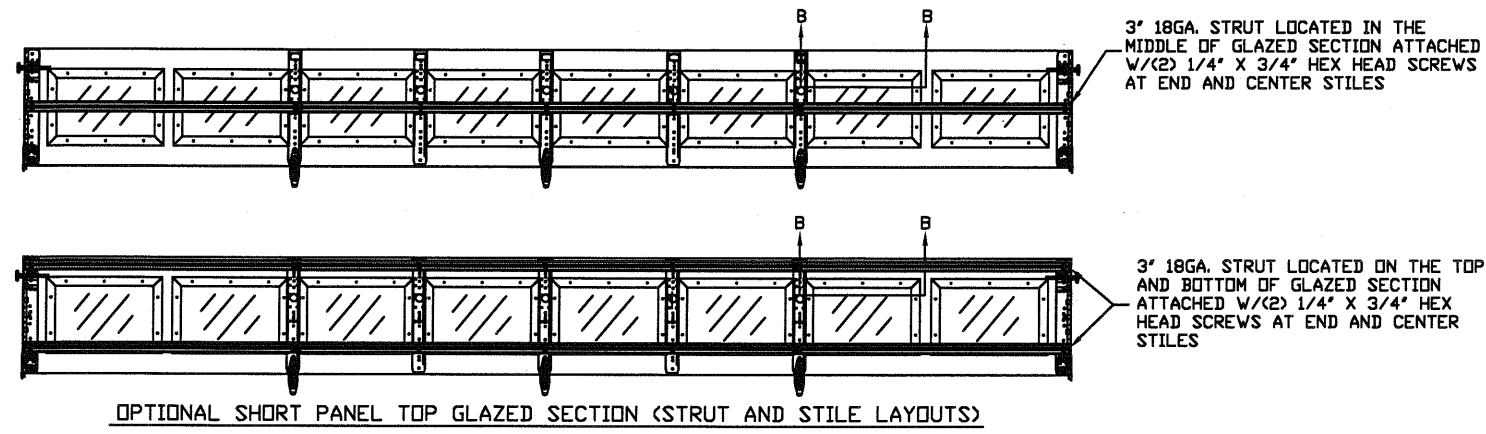
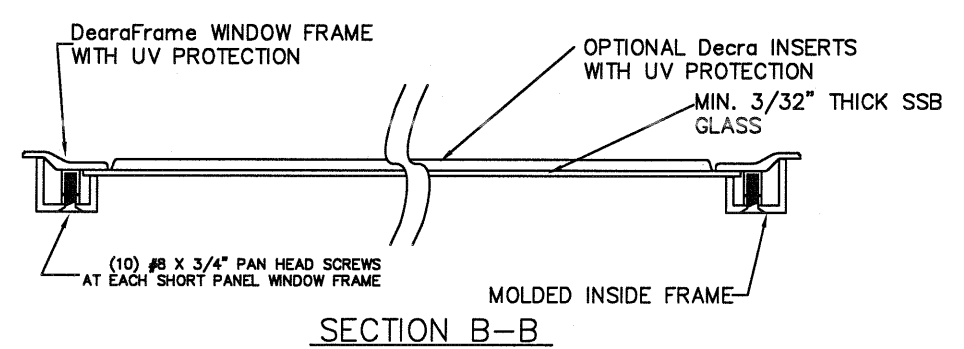






GLAZING OPTION CROSS SECTION GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION GLAZING MEETS ASTM E1300-04



WOOD JAMB ATTACHMENT TO STRUCTURE

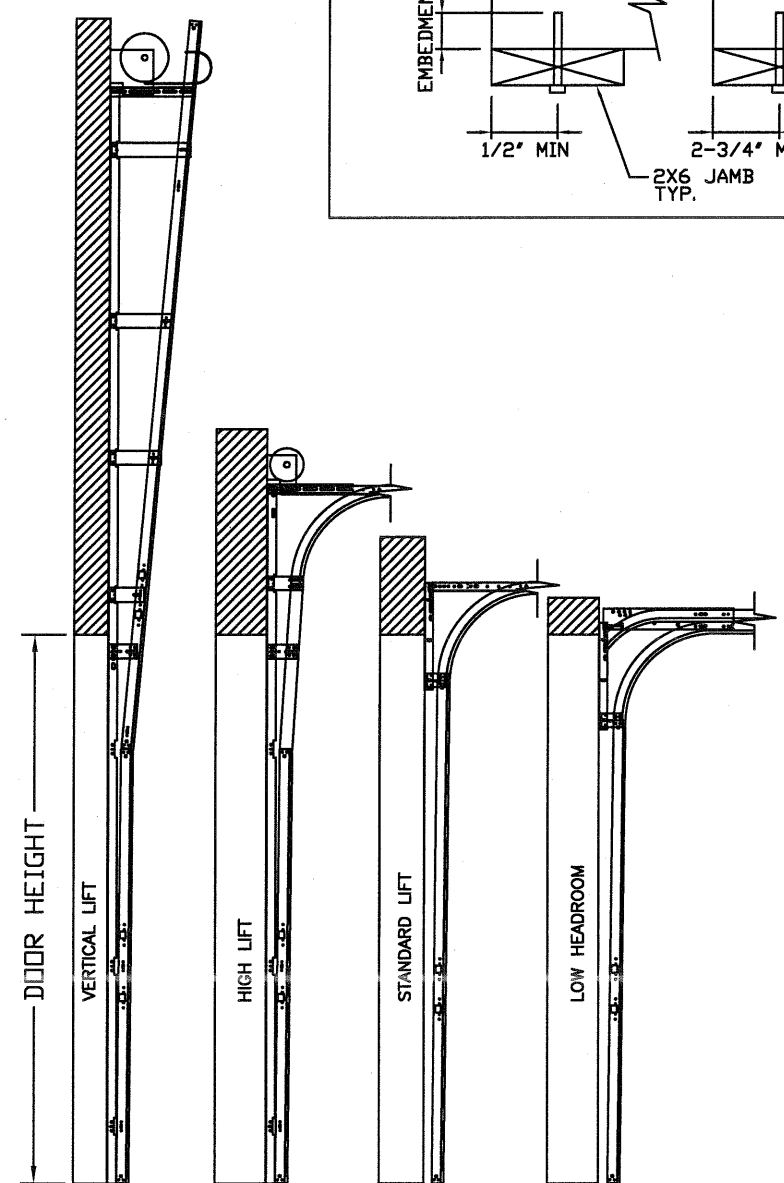
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
 5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 22" O.C. (1 1/2" EMBEDMENT)
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
 HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
 HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 20" 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 16" 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 16" 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 22" 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

WOOD STRUCTURE
CONCRETE STRUCTURE
HOLLOW BLOCK STRUCTURE
GROUTED BLOCK STRUCTURE

EMBEDMENT
1/2" MIN
2-3/4" MIN
1-1/2" MIN
3" MIN
2X6 JAMB TYP.



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

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

DESIGN LOADS
+27.4 PSF
-30.5 PSF

TEST LOADS
+41.1 PSF
-45.8 PSF

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

FL

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

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

MODEL #650 AMARR OAK SUMMIT SERIES 1000 & 2000
 MODEL #600 AMARR STRATFORD SERIES 1000 & 2000
 MODEL #950 AMARR HERITAGE SERIES 1000 & 2000

SIZE B	DRAWN BY RLR	DATE 03/3/14	DRAWING NUMBER IRC-6016-133-17
	CHECKED BY	DATE	

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)	6th (in)	7th (in)
10' 0	Short	25.22	48.41	71.59	94.78			
10' 0	Long	30.00	60.00	90.00				
10' 0	Oak Summit	30.63	60.00	89.38				
12' 0	Short	25.62	48.81	72.00	96.36	119.55		
12' 0	Long	27.25	49.63	72.00	94.38	116.75		
12' 0	Oak Summit	24.63	48.31	72.00	95.69	119.38		
12' 2	Short	26.27	49.64	73.00	96.36	119.73		
12' 2	Long	27.17	50.08	73.00	95.92	118.83		
12' 2	Oak Summit	25.13	49.06	73.00	96.94	120.88		
12' 4	Short	27.27	50.64	74.00	97.36	120.73		
12' 4	Long	28.17	51.08	74.00	96.92	119.83		
12' 4	Oak Summit	25.63	49.81	74.00	98.19	122.38		
12' 6	Short	26.34	50.67	75.00	99.33	123.66		
12' 6	Long	27.34	51.17	75.00	98.83	122.66		
12' 6	Oak Summit	26.13	50.56	75.00	99.44	123.88		
12' 8	Short	27.34	51.67	76.00	100.33	124.66		
12' 8	Long	28.20	52.10	76.00	99.90	123.80		
12' 8	Oak Summit	26.63	51.31	76.00	100.69	125.38		
12' 10	Short	27.50	52.25	77.00	101.75	126.50		
12' 10	Long	29.20	53.10	77.00	100.90	124.80		
12' 10	Oak Summit	27.13	52.06	77.00	101.94	126.88		
13' 0	Short	28.00	53.00	78.00	103.00	128.00		
13' 0	Long	30.20	54.10	78.00	101.90	125.80		
13' 0	Oak Summit	27.63	52.81	78.00	103.19	128.38		
13' 2	Short	29.00	54.00	79.00	104.00	129.00		
13' 2	Long	31.20	55.10	79.00	102.90	126.80		
13' 2	Oak Summit	28.13	53.56	79.00	104.44	129.88		
13' 4	Short	28.80	54.40	80.00	105.60	131.20		
13' 4	Long	29.80	54.90	80.00	105.10	130.20		
13' 4	Oak Summit	28.63	54.31	80.00	105.69	131.38		
13' 6	Short	29.80	55.40	81.00	106.60	132.20		
13' 6	Long	30.80	55.90	81.00	106.10	131.20		
13' 6	Oak Summit	29.13	55.06	81.00	106.94	132.88		
13' 8	Short	30.80	56.40	82.00	107.60	133.20		
13' 8	Long	31.25	56.63	82.00	107.36	132.75		
13' 8	Oak Summit	29.63	55.81	82.00	108.19	134.38		
13' 10	Short	31.39	57.16	82.94	108.71	134.49		
13' 10	Long	31.34	57.17	83.00	108.83	134.66		
13' 10	Oak Summit	30.13	56.56	83.00	109.44	135.88		
14' 0	Short	31.59	57.76	83.94	110.11	136.29		
14' 0	Long	33.25	58.63	84.00	109.38	134.75		
14' 0	Oak Summit	30.63	57.31	84.00	110.69	137.38		
14' 2	Short	32.75	58.85	84.94	111.41	137.51		
14' 2	Long	33.34	59.17	85.00	110.83	136.66		
14' 2	Oak Summit	31.13	58.06	85.00	111.94	138.88		
14' 4	Short	32.39	59.16	85.94	112.71	139.49		
14' 4	Long	34.34	60.17	86.00	111.83	137.66		
14' 4	Oak Summit	31.63	58.81	86.00	113.19	140.38		
14' 6	Short	32.79	59.86	86.94	114.01	141.09		
14' 6	Long	35.34	61.17	87.00	112.83	138.66		
14' 6	Oak Summit	32.13	59.56	87.00	114.44	141.88		
14' 8	Short	33.19	60.56	87.94	115.31	142.69		
14' 8	Long	44.81	66.41	88.00	109.59	131.19		
14' 8	Oak Summit	32.63	60.31	88.00	115.69	143.38		
14' 10	Short	33.59	61.26	88.94	116.61	144.29		
14' 10	Long	45.60	67.30	89.00	110.70	132.40		
14' 10	Oak Summit	33.13	61.06	89.00	116.94	144.88		
15' 0	Short	33.94	61.94	89.94	117.94	145.94		
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	34.39	62.66	90.94	119.21	147.49		
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	28.00	53.60	79.20	104.80	130.40	156.00	
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	25.30	50.60	73.30	96.00	118.70	141.40	166.70
16' 0	Oak Summit	48.42	72.21	96.00	119.79	143.58		

*SHADED STILES ARE NOT HINGED

TABLE 5

Section	Panel Type	Max Design Loads Allowed	
		Positive (PSF)	Negative (PSF)
10' 0	Short	36.7	40.8
10' 0	Long	21.9	24.4
10' 0	Oak Summit	21.9	24.4
12' 0	Short	28.0	31.1
12' 0	Long	29.3	32.7
12' 0	Oak Summit	27.7	30.9
12' 2	Short	28.1	31.3
12' 2	Long	28.6	31.9
12' 2	Oak Summit	27.4	30.5
12' 4	Short	28.1	31.3
12' 4	Long	28.6	31.9
12' 4	Oak Summit	27.1	30.2
12' 6	Short	27.0	30.0
12' 6	Long	27.5	30.7
12' 6	Oak Summit	26.9	29.9
12' 8	Short	27.0	30.0
12' 8	Long	27.5	30.6
12' 8	Oak Summit	26.6	29.6
12' 10	Short	26.5	29.5
12' 10	Long	27.5	30.6
12' 10	Oak Summit	26.3	29.3
13' 0	Short	26.3	29.2
13' 0	Long	27.5	30.6
13' 0	Oak Summit	26.1	29.0
13' 2	Short	26.3	29.2
13' 2	Long	27.5	30.6
13' 2	Oak Summit	25.8	28.7
13' 4	Short	25.6	28.5
13' 4	Long	26.1	29.1
13' 4	Oak Summit	25.6	28.4
13' 6	Short	25.6	28.5
13' 6	Long	26.1	29.1
13' 6	Oak Summit	25.3	28.2
13' 8	Short	25.6	28.5
13' 8	Long	25.9	28.8
13' 8	Oak Summit	25.1	27.9
13' 10	Short	25.5	28.3
13' 10	Long	25.4	28.3
13' 10	Oak Summit	24.8	27.6
14' 0	Short	25.1	27.9
14' 0	Long	25.9	28.8
14' 0	Oak Summit	24.6	27.4
14' 2	Short	25.1	27.9
14' 2	Long	25.4	28.3
14' 2	Oak Summit	24.4	27.1
14' 4	Short	24.5	27.3
14' 4	Long	25.4	28.3
14' 4	Oak Summit	24.1	26.9
14' 6	Short	24.2	27.0
14' 6	Long	25.4	28.3
14' 6	Oak Summit	23.9	26.6
14' 8	Short	24.0	26.7
14' 8	Long	29.8	33.2
14' 8	Oak Summit	23.7	26.4
14' 10	Short	23.7	26.4
14' 10	Long	29.5	32.8
14' 10	Oak Summit	23.5	26.2
15' 0	Short	23.4	26.1
15' 0	Long	29.2	32.5
15' 0	Oak Summit	23.3	25.9
15' 2	Short	23.2	25.8
15' 2	Long	28.9	32.1
15' 2	Oak Summit	23.1	25.7
15' 4	Short	28.5	31.8
15' 4	Long	28.5	31.8
15' 4	Oak Summit	22.9	25.5
15' 6	Short	28.2	31.4
15' 6	Long	28.2	31.4
15' 6	Oak Summit	28.2	31.4
15' 8	Short	27.9	31.1
15' 8	Long	27.9	31.1
15' 8	Oak Summit	27.9	31.1
15' 10	Short	27.6	30.8
15' 10	Long	27.6	30.8
15' 10	Oak Summit	27.6	30.8
16' 0	Short	27.4	30.5
16' 0	Long	27.4	30.5
16' 0	Oak Summit	27.4	30.5

TABLE 1

DOOR HEIGHT	STRUT SPACING (BASED ON RECOMMENDED SECTION CONFIGURATION)															TOP
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	T	
6' 6"	5 1/2"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"									67 1/2"	
7' 0"	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"									73 1/2"	
7' 6"	5 1/2"	15 1/4"	22 1/2"	33 1/4"	40 1/2"	51 1/4"	58 1/2"	69 1/4"							81"	
8' 0"	5 1/2"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"	61 1/2"	72 1/4"							85 1/2"	
8' 6"	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	78 1/4"							91 1/2"	
9' 0"	5 1/2"	15 1/4"	22 1/2"	33 1/4"	40 1/2"	51 1/4"	58 1/2"	69 1/4"	76 1/2"	87 1/4"					99'	
9' 6"	5 1/2"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"	61 1/2"	72 1/4"	79 1/2"	90 1/4"					103 1/2"	
10' 0"	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	78 1/4"	85 1/2"	96 1/4"					109 1/2"	
10' 6"	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	81 1/4"	88 1/2"	102 1/4"					115 1/2"	
11' 0"	5 1/2"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"	61 1/2"	72 1/4"	79 1/2"	90 1/4"	97 1/2"	108 1/4"			121 1/2"	
11' 6"	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	78 1/4"	85 1/2"	96 1/4"	103 1/2"	114 1/4"			127 1/2"	
12' 0"	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	81 1/4"	88 1/2"	102 1/4"	109 1/2"	120 1/4"			133 1/2"	
12' 6"	5 1/2"	18 1/4"	25 1/2"	36 1/4"	43 1/2"	54 1/4"	61 1/2"	72 1/4"	79 1/2"	90 1/4"	97 1/2"	108 1/4"	115 1/2"	126 1/4"	139 1/2"	
13' 0"	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	78 1/4"	85 1/2"	96 1/4"	103 1/2"	114 1/4"	121 1/2"	132 1/4"	145 1/2"	
13' 6"	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	81 1/4"	88 1/2"	102 1/4"	109 1/2"	120 1/4"	127 1/2"	138 1/4"	151 1/2"	
14' 0"	5 1/2"	18 1/4"	25 1/2"	39 1/4"	46 1/2"	60 1/4"	67 1/2"	81 1/4"	88 1/2"	102 1/4"	109 1/2"	123 1/4"	130 1/2"	144 1/4"	157 1/2"	