

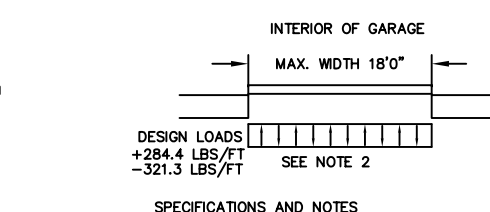
**WOOD JAMB ATTACHMENT TO STRUCTURE**  
 RATED FOR 145 MPH PEAK GUST; EXPOSURE B; 30' OR LESS MEAN ROOF HEIGHT

**2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE**  
 5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 16" 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 C-90 BLOCK**  
 HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)  
 ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 16" O.C. (1 1/4" EMBEDMENT)

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



- ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
- EACH VERTICAL JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +284.4 LBS/FT & -321.3 LBS/FT
- DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- DOOR SECTIONS SHALL BE 25 GA. MIN. (.019") ROLLED FORMED LIGHT COMMERCIAL QUALITY, G-40 GALVANIZATION
- SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
- THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108 AND ASTM E330. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-98/02/05 WITH THE FOLLOWING PARAMETERS:
  - BASIC WIND SPEED OF 145 MPH (PEAK GUST)
  - DOOR CAN BE INSTALLED WITH 5 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
  - 30' OR LESS MEAN ROOF HEIGHT AT ANY SLOPE
  - USE FACTOR OF 1.0
  - EXPOSURE RATING OF B

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED BOTTOM BRACKET INFORMATION ADDED OAKSUMMIT AND GLAZING OPTIONS	08/31/05	DLJ
B	REVISED NOTE 6	09/02/08	DLJ
C	REMOVED TABLE 4, NOTE 7.	05/20/09	CBT

MAX SIZE  
18' WIDTH  
14' HEIGHT  
(DOOR HEIGHT SUBJECT TO WEIGHT LIMITATIONS)  
DESIGN LOADS  
+31.6 PSF  
-35.7 PSF

TEST LOADS  
(1.5 x DESIGN LOADS)  
+47.4 PSF  
-53.6 PSF

**Amarr**  
 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

MODEL #650 OAK SUMMIT w/DuraSafe  
 MODEL #600 STRATFORD w/DuraSafe  
 MODEL #950 HERITAGE w/DuraSafe  
 Short, Long, Flush & Oak Summit Panel's

SIZE	DRAWN BY DLJ	DATE 12/04/03	DRAWING NUMBER
B	CHECKED BY AAE	DATE 12/04/03	IRC-6018-145-36

ENGINEER: THOMAS L. SHELDERMINE P.E. LIC. No. 0048579 SHEET 1 OF 2

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"				

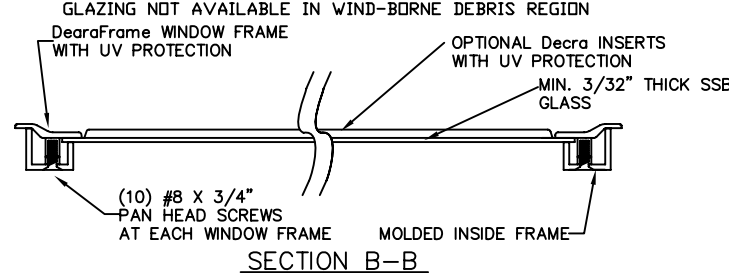
TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT											SPLICE	
	A	B	C	D	E	F	G	H	I	J			
6' 6"	4"	21"	34"	44"	57"							70"	
7'	4"	21"	34"	44"	57"							76"	
7' 6"	4"	21"	34"	44"	57"	75"						82"	
8'	4"	21"	34"	44"	57"	75"						88"	
8' 6"	4"	21"	34"	44"	57"	75"						94"	
9'	4"	21"	34"	44"	57"	75"	88"					100"	
9' 6"	4"	21"	34"	44"	57"	75"	88"					106"	
10'	4"	21"	34"	44"	57"	75"	88"	101"				112"	
10' 6"	4"	21"	34"	44"	57"	75"	88"	101"				118"	
11'	4"	21"	34"	44"	57"	75"	88"	98"	111"			124"	
11' 6"	4"	21"	34"	44"	57"	75"	88"	98"	111"			130"	
12'	4"	21"	34"	44"	57"	75"	88"	98"	111"	124"		136"	
12' 6"	4"	21"	34"	44"	57"	75"	88"	98"	111"	124"		142"	
13'	4"	21"	34"	44"	57"	75"	88"	98"	111"	124"	137"	148"	
13' 6"	4"	21"	34"	44"	57"	75"	88"	98"	111"	124"	137"	154"	
14'	4"	21"	34"	44"	57"	75"	88"	98"	111"	124"	137"	150"	160"

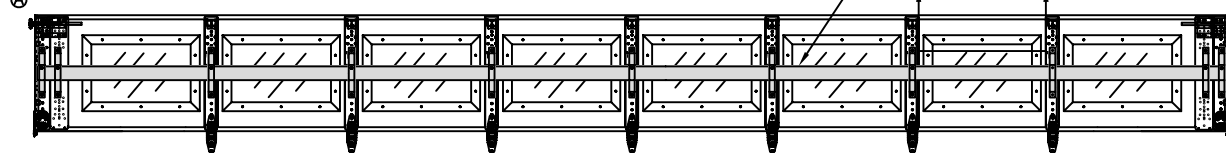
TABLE 3

Section Width (ft)	Panel Type	Center Stile Locations (Measured from Left Edge)						
		1st (in)	2nd (in)	3rd (in)	4th (in)	5th (in)	6th (in)	7th (in)
16' 2	Short	26.91	50.27	73.64	97.00	120.36	143.73	167.09
16' 2	Long	28.25	51.17	74.08	97.00	119.92	142.83	165.75
16' 2	Oak Summit	24.63	48.75	72.88	97.00	121.13	145.25	169.38
16' 4	Short	27.91	51.27	74.64	98.00	121.36	144.73	168.09
16' 4	Long	29.25	52.17	75.08	98.00	120.92	143.83	166.75
16' 4	Oak Summit	24.63	49.08	73.54	98.00	122.46	146.92	171.38
16' 6	Short	28.91	52.27	75.64	99.00	122.36	145.73	169.09
16' 6	Long	27.51	51.34	75.17	99.00	122.83	146.66	170.49
16' 6	Oak Summit	24.63	49.42	74.21	99.00	123.79	148.59	173.38
16' 8	Short	27.01	51.34	75.67	100.00	124.33	148.66	172.99
16' 8	Long	28.30	52.20	76.10	100.00	123.90	147.80	171.70
16' 8	Oak Summit	24.88	49.92	74.96	100.00	125.04	150.09	175.13
16' 10	Short	26.75	51.50	76.25	101.00	125.75	150.50	175.25
16' 10	Long	29.30	53.20	77.10	101.00	124.90	148.80	172.70
16' 10	Oak Summit	24.86	50.15	75.57	101.00	126.29	151.59	176.88
17' 0	Short	29.01	53.34	77.67	102.00	126.33	150.66	174.99
17' 0	Long	30.30	54.20	78.10	102.00	125.90	149.80	173.70
17' 0	Oak Summit	25.38	50.92	76.46	102.00	127.54	153.09	178.63
17' 2	Short	28.00	53.00	78.00	103.00	128.00	153.00	178.00
17' 2	Long	31.30	55.20	79.10	103.00	126.90	150.80	174.70
17' 2	Oak Summit	25.63	51.42	77.21	103.00	128.79	154.59	180.38
17' 4	Short	29.00	54.00	79.00	104.00	129.00	154.00	179.00
17' 4	Long	32.30	56.20	80.10	104.00	127.90	151.80	175.70
17' 4	Oak Summit	25.88	51.92	77.96	104.00	130.04	156.09	182.13
17' 6	Short	30.00	55.00	80.00	105.00	130.00	155.00	180.00
17' 6	Long	33.30	57.20	81.10	105.00	128.90	152.80	176.70
17' 6	Oak Summit	26.13	52.42	78.71	105.00	131.29	157.59	183.88
17' 8	Short	29.20	54.80	80.40	106.00	131.60	157.20	182.80
17' 8	Long	30.70	55.80	80.90	106.00	131.10	156.20	181.30
17' 8	Oak Summit	26.38	52.92	79.46	106.00	132.54	159.09	185.63
17' 10	Short	30.20	55.80	81.40	107.00	132.60	158.20	183.80
17' 10	Long	30.88	56.25	81.63	107.00	132.38	157.75	183.13
17' 10	Oak Summit	26.63	53.42	80.21	107.00	133.79	160.59	187.38
18' 0	Short	31.88	57.25	82.63	108.00	133.38	158.75	184.13
18' 0	Long	32.70	57.80	82.90	108.00	133.10	158.20	183.30
18' 0	Oak Summit	26.88	53.92	80.96	108.00	135.04	162.09	189.13

**GLAZING OPTION CROSS SECTION**



TEST No. IRC-6009-169-15 ON OCTOBER 10, 2002 INCLUDED SHORT PANEL GLAZING IN THE TESTED DOOR. THE TEST PRESSURES WERE +67.9 PSF AND -80.3 PSF. BY COMPARISON, UP TO EIGHT (8) WINDOWS MAY BE INSTALLED IN ONE (1) SECTION OF EITHER THE MODEL 600, 650 OR 950 DOORS CONSTRUCTED PER THIS DRAWING.



(1) 6" X 2 1/2" X 14GA C-CHANNEL ATTACHED IN THE CENTER OF SECTION WITH (1) 1/4" X 3/4" HEX HEAD SCREW AT EACH END AND CENTER STILE AND (1) 1/4" X 1-1/2" HEX HEAD LAG AT EACH DOUBLE END STILE

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**Amarr**

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B	CHECKED BY	AAE	DATE	12/04/03	IRC-6018-145-36

ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579 SHEET 2 OF 2