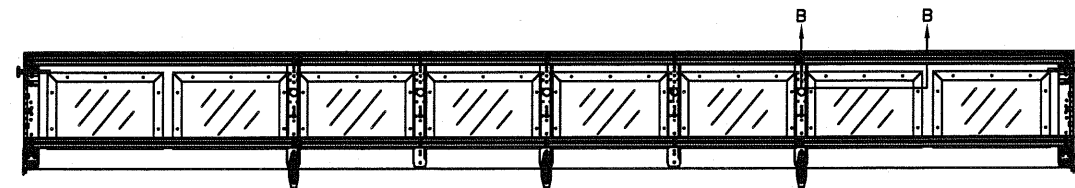
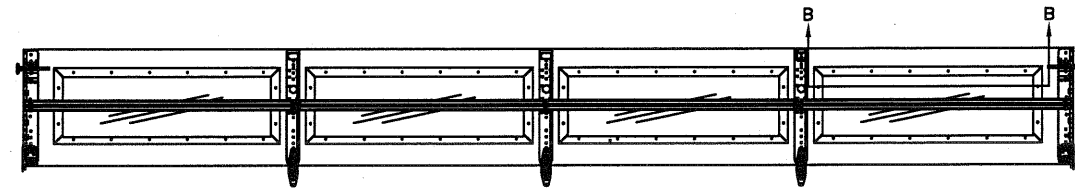


3' 20GA. STRUT LOCATED IN THE MIDDLE OF GLAZED SECTION ATTACHED W/ (2) 1/4" X 3/4" HEX HEAD SCREWS AT END AND CENTER STILES



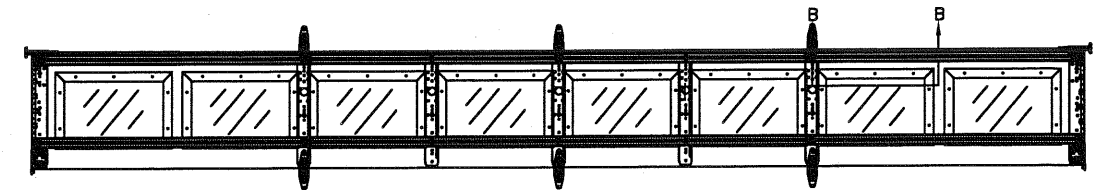
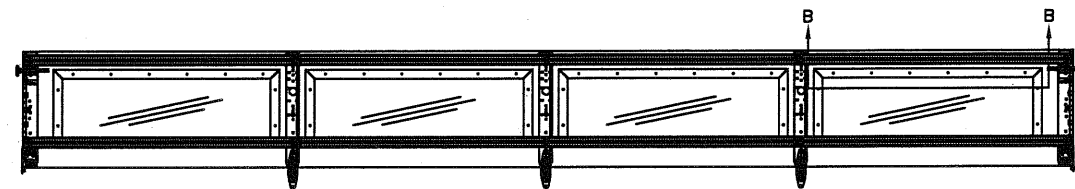
3' 20GA. STRUT LOCATED ON THE TOP AND BOTTOM OF GLAZED SECTION ATTACHED W/ (2) 1/4" X 3/4" HEX HEAD SCREWS AT END AND CENTER STILES

OPTIONAL SHORT PANEL TOP GLAZED SECTION (STRUT AND STILE LAYOUTS)

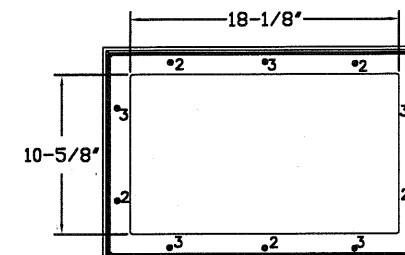


OPTIONAL LONG PANEL TOP GLAZED SECTION (STRUT AND STILE LAYOUTS)

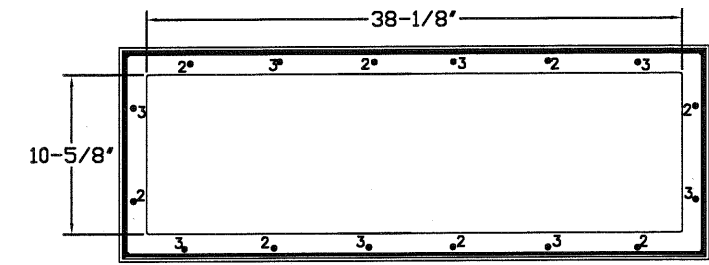
LONG PANEL GLAZING OPTION AVAILABLE ONLY ON DOORS 15'6" THROUGH 16'0" WIDE. DOORS LESS THAN 15'6" WIDE MUST USE SHORT PANEL GLAZING OR CLOSED SECTIONS



OPTIONAL SHORT PANEL INTERMEDIATE GLAZED SECTION (STRUT AND STILE LAYOUT)



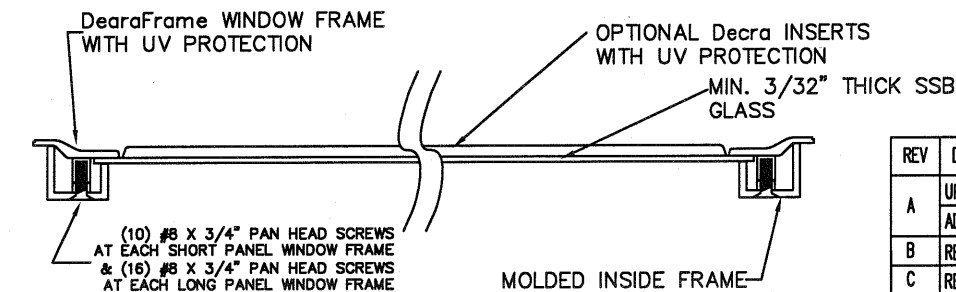
SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.



LONG PANEL GLAZING FASTENER DETAIL
N.T.S.

GLAZING OPTION CROSS SECTION

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



SECTION B-B

WOOD JAMB ATTACHMENT TO STRUCTURE

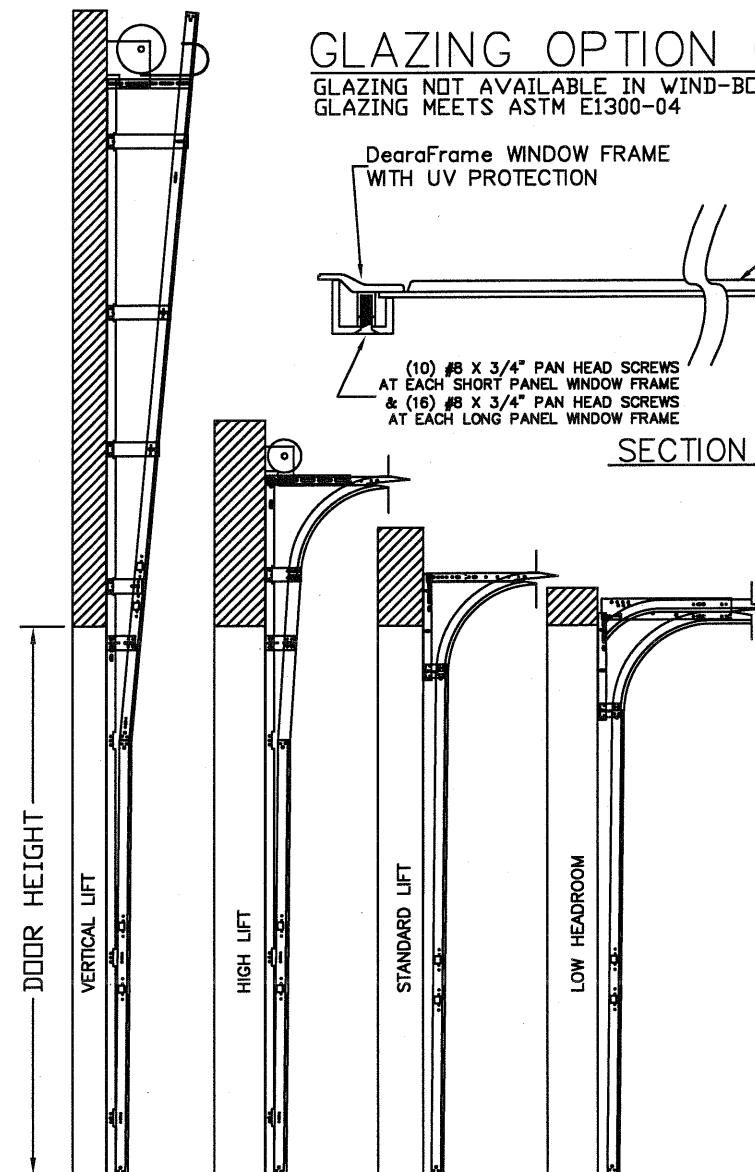
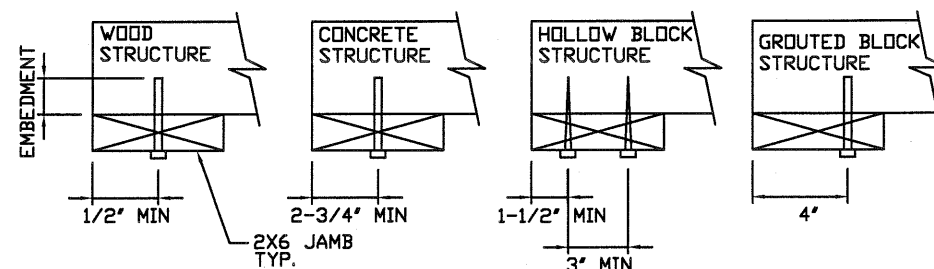
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

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 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 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



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

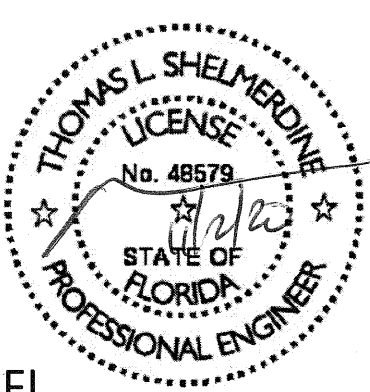
REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED BOTTOM BRACKET INFORMATION ADDED OAKSUMMIT AND GLAZING OPTIONS	07/05/05	DLJ
B	REVISED NOTE 6	09/02/08	DLJ
C	REMOVED TABLE 5, NOTE 7	05/25/09	CBT
D	WIND SPEED TABLE & TRACK CONFIGURATIONS	04/17/12	RLR
E	ADDED NYLON ROLLERS/CHANGED JAMB BRACKETS UPDATED GLAZING OPTIONS	11/6/12	RLR

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

DESIGN LOADS
+21.8 PSF
-24.8 PSF

TEST LOADS
+32.7 PSF
-37.2 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	04/15/03	DRAWING NUMBER
B	CHECKED BY	AAE	DATE	04/15/03	IRC-6016-120-15
ENTREMATICS 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 2 OF 3

TABLE 1

DOOR	STRUT SPACING (BASED ON RECOMMENDED SECTION CONFIGURATION)														TOP
HEIGHT	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"

TABLE 2

DOOR	SECTION HEIGHTS							
HEIGHT	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 3

DOOR	TRACK ATTACHMENT								SPLICE
HEIGHT	A	B	C	D	E	F	G	H	S
6' 6"	10"	21"	38"	58"					70"
7'	10"	21"	38"	58"					76"
7' 6"	10"	18"	36"	54"	72"				82"
8'	10"	21"	39"	57"	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
WITH SYP OR SPF NO. 2 OR BETTER ONLY

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	64.81	88.00	109.59	131.19	
14' 8"	Oak Summit	60.31	88.00			
14' 10"	Short	61.26	89.00	116.61		
14' 10"	Long	65.60	89.00	110.70	132.40	
14' 10"	Oak Summit	61.06	89.00	116.94		
15' 0"	Short	61.94	90.00	113.97	117.94	
15' 0"	Long	66.60	90.00	111.70	133.40	
15' 0"	Oak Summit	63.63	90.00	118.19	146.38	
15' 2"	Short	62.66	91.00	105.11	119.21	
15' 2"	Long	67.60	91.00	112.70	134.40	
15' 2"	Oak Summit	64.13	91.00	119.44	147.88	
15' 4"	Short	63.60	92.00	104.80	130.40	
15' 4"	Long	67.25	92.00	114.38	136.75	
15' 4"	Oak Summit	64.63	92.00	120.69	149.38	
15' 6"	Short	66.62	93.00	116.19	139.38	
15' 6"	Long	67.60	93.00	115.70	138.40	
15' 6"	Oak Summit	67.42	93.00	115.79	138.58	
15' 8"	Short	67.62	94.00	117.19	140.38	
15' 8"	Long	68.60	94.00	116.70	139.40	
15' 8"	Oak Summit	68.02	94.00	116.99	139.98	
15' 10"	Short	68.62	95.00	118.19	141.38	
15' 10"	Long	69.17	95.00	117.92	140.83	
15' 10"	Oak Summit	68.62	95.00	118.19	141.38	
16' 0"	Short	69.62	96.00	119.19	142.38	
16' 0"	Long	70.60	96.00	118.70	141.40	
16' 0"	Oak Summit	69.42	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	29.1	33.1
10' 0	Long	34.7	39.5
10' 0	Oak Summit	34.7	39.5
12' 0	Short	28.9	32.9
12' 0	Long	28.9	32.9
12' 0	Oak Summit	28.9	32.9
12' 2	Short	28.5	32.5
12' 2	Long	28.5	32.5
12' 2	Oak Summit	28.5	32.5
12' 4	Short	28.1	32.0
12' 4	Long	28.1	32.0
12' 4	Oak Summit	28.1	32.0
12' 6	Short	27.8	31.6
12' 6	Long	27.8	31.6
12' 6	Oak Summit	27.8	31.6
12' 8	Short	27.4	31.2
12' 8	Long	27.4	31.2
12' 8	Oak Summit	27.4	31.2
12' 10	Short	27.0	30.8
12' 10	Long	27.0	30.8
12' 10	Oak Summit	27.0	30.8
13' 0	Short	26.7	30.4
13' 0	Long	26.7	30.4
13' 0	Oak Summit	26.7	30.4
13' 2	Short	26.4	30.0
13' 2	Long	26.4	30.0
13' 2	Oak Summit	26.4	30.0
13' 4	Short	26.0	29.6
13' 4	Long	26.0	29.6
13' 4	Oak Summit	26.0	29.6
13' 6	Short	25.7	29.2
13' 6	Long	25.7	29.2
13' 6	Oak Summit	25.7	29.2
13' 8	Short	25.4	28.9
13' 8	Long	25.4	28.9
13' 8	Oak Summit	25.4	28.9
13' 10	Short	25.1	28.5
13' 10	Long	25.1	28.5
13' 10	Oak Summit	25.1	28.5
14' 0	Short	24.8	28.2
14' 0	Long	24.8	28.2
14' 0	Oak Summit	24.8	28.2
14' 2	Short	24.5	27.9
14' 2	Long	24.5	27.9
14' 2	Oak Summit	24.5	27.9
14' 4	Short	24.2	27.5
14' 4	Long	24.2	27.5
14' 4	Oak Summit	24.2	27.5
14' 6	Short	23.9	27.2
14' 6	Long	23.9	27.2
14' 6	Oak Summit	23.9	27.2
14' 8	Short	23.7	26.9
14' 8	Long	23.7	26.9
14' 8	Oak Summit	23.7	26.9
14' 10	Short	23.4	26.6
14' 10	Long	23.4	26.6
14' 10	Oak Summit	23.4	26.6
15' 0	Short	23.1	26.3
15' 0	Long	23.1	26.3
15' 0	Oak Summit	18.5	21.0
15' 2	Short	22.9	26.0
15' 2	Long	22.9	26.0
15' 2	Oak Summit	18.3	20.8
15' 4	Short	22.6	25.7
15' 4	Long	22.6	25.7
15' 4	Oak Summit	18.1	20.6
15' 6	Short	22.4	25.5
15' 6	Long	22.4	25.5
15' 6	Oak Summit	22.4	25.5
15' 8	Short	22.2	25.2
15' 8	Long	22.2	25.2
15' 8	Oak Summit	22.2	25.2
15' 10	Short	21.9	24.9
15' 10	Long	21.9	24.9
15' 10	Oak Summit	21.9	24.9
16' 0	Short	21.8	24.8
16' 0	Long	21.8	24.8
16' 0	Oak Summit	21.8	24.8