

SPECIFICATIONS AND NOTES

- 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 JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +384.0 LBS/FT & -416.0 LBS/FT
- DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- DOOR SECTIONS SHALL BE 24 GA. (.0216) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
- DOORS UP TO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN. USE (1) 5.5" R-TRUSS PER SECTION AND (1) 3" 20GA STRUT ON BTM. SECTION
- DOORS OVER (4) SECTIONS REFER TO TABLES 1 & 2
- 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 ASTM E330, E1886, E1996, & F588, ANSI/DASMA 108 & 115, AND TAS 201, 201, 203. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-98/02/05 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE I=1.0):

WIND SPEED (MPH)	174	158	150	143	137
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

LARGE MISSILE IMPACT RESISTANT

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16' WIDTH
14' HEIGHT

DESIGN LOADS
+48.0 PSF
-52.0 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+72.0 PSF
-78.0 PSF

LARGE MISSILE IMPACT RESISTANCE

Thomas L. Shelmerdine, PE (TX PE #85829)
Structural Solutions, PA (TX Firm #F-004063)

TX

Amarr
ENTREMAT^{IC}

MODEL #1200 HERITAGE 3000
MODEL #1200 OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS

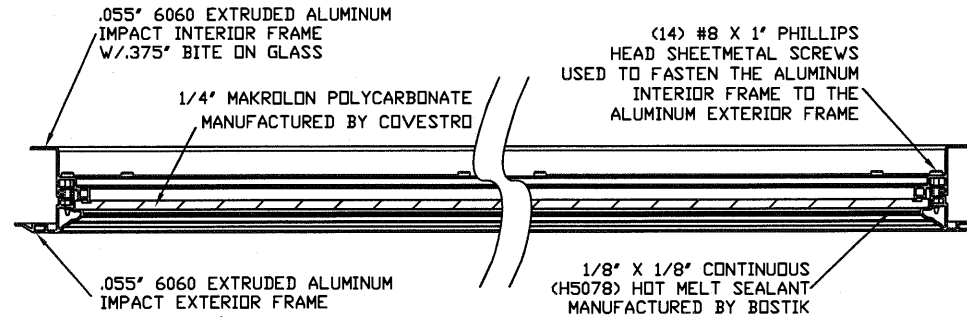
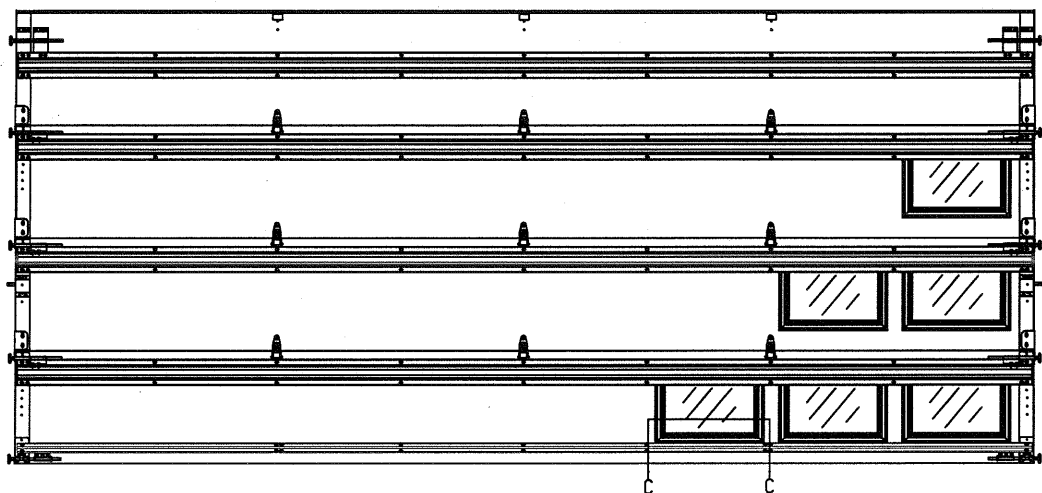
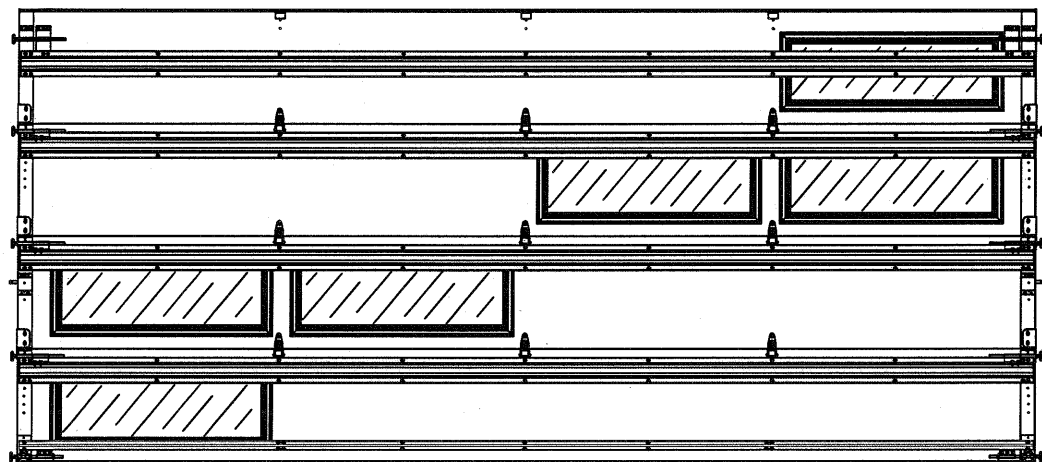
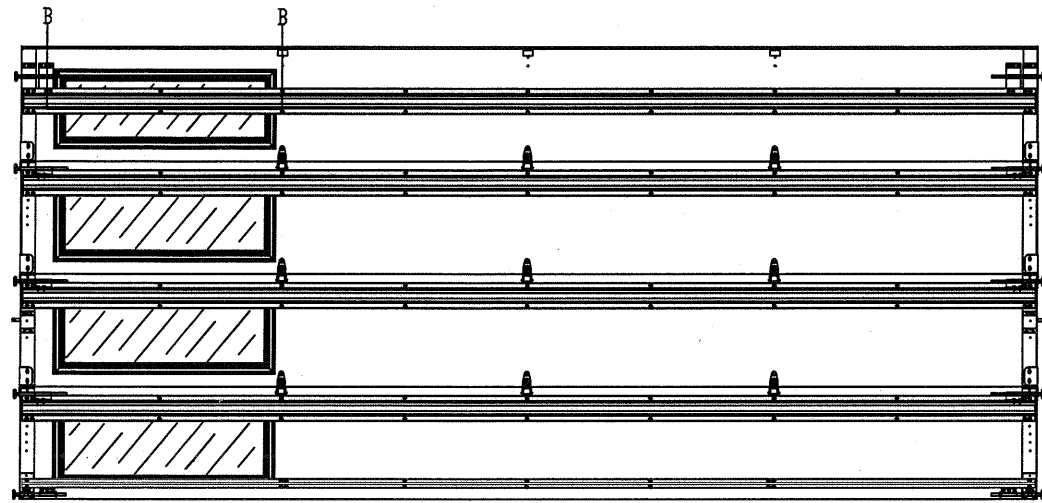
SIZE	DRAWN BY	RLR	DATE	8/2/18	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	8/2/18	IRC-1216-175-26-F

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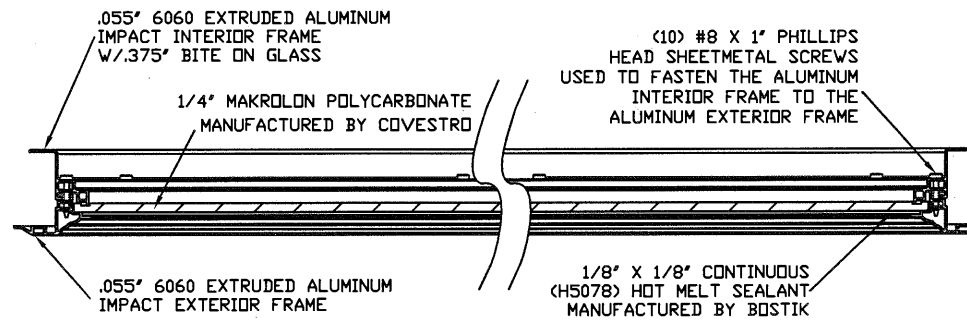
SHEET 1 OF 3

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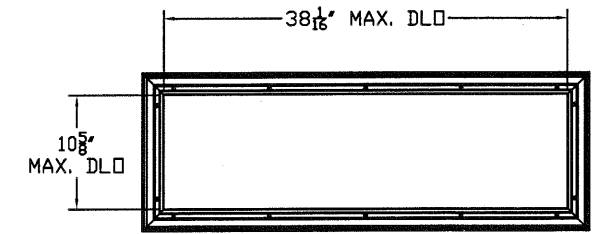
EXAMPLES OF OPTIONAL SHORT AND LONG PANEL GLAZING LAYOUTS
GLAZING AVAILABLE IN ANY COMBINATION



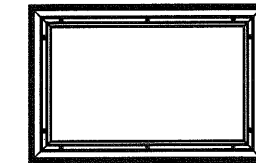
SECTION B-B IMPACT WINDOW DETAIL
N.T.S.



SECTION C-C IMPACT WINDOW DETAIL
N.T.S.



LONG PANEL IMPACT GLAZING FASTENER DETAIL
N.T.S.

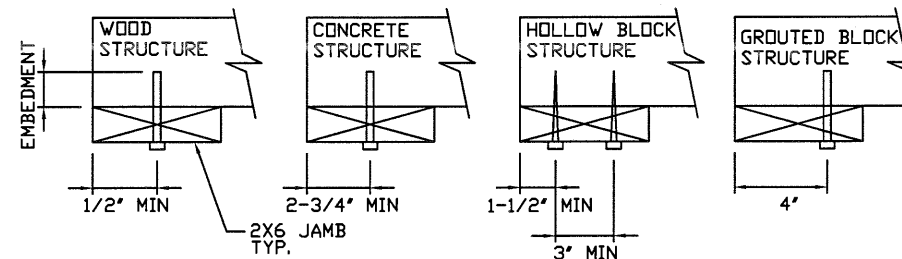


SHORT PANEL IMPACT GLAZING FASTENER DETAIL
N.T.S.

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 12" 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 10" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 20" O.C. (2 1/2" EMBEDMENT)
- 2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK (1900 PSI MIN)
SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3' APART) AT 8" 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 8" 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 12" 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

MAX SIZE
16" WIDTH
14" HEIGHT

DESIGN LOADS
+48.0 PSF
-52.0 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+72.0 PSF
-78.0 PSF

LARGE MISSILE
IMPACT
RESISTANCE

Thomas L. Shelmerdine, PE (TX PE #85829)
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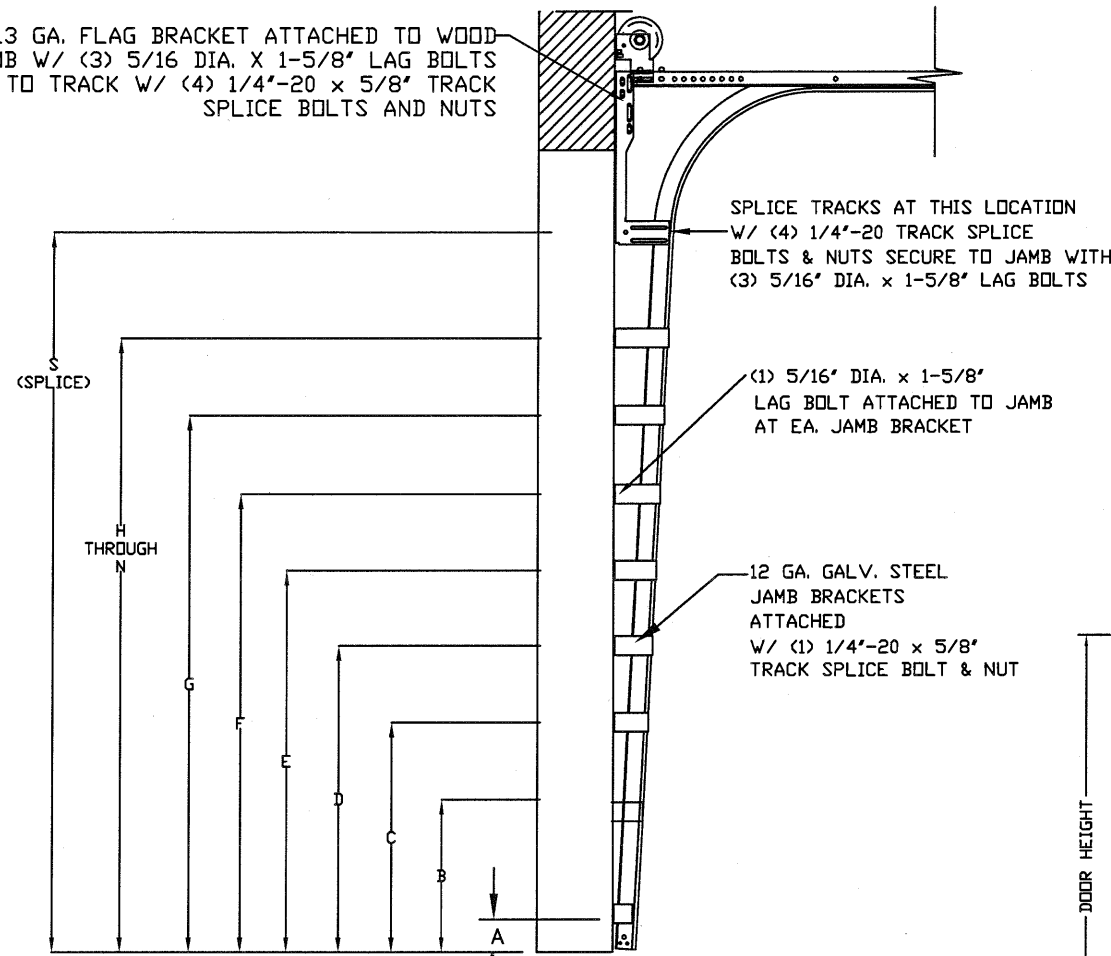
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MODEL #1200 HERITAGE 3000
MODEL #1200 OAK SUMMIT 3000
SHORT, LONG, FLUSH & OAK SUMMIT PANELS

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13 GA. FLAG BRACKET ATTACHED TO WOOD JAMB W/ (3) 5/16 DIA. X 1-5/8' LAG BOLTS AND TO TRACK W/ (4) 1/4'-20 x 5/8' TRACK SPLICE BOLTS AND NUTS

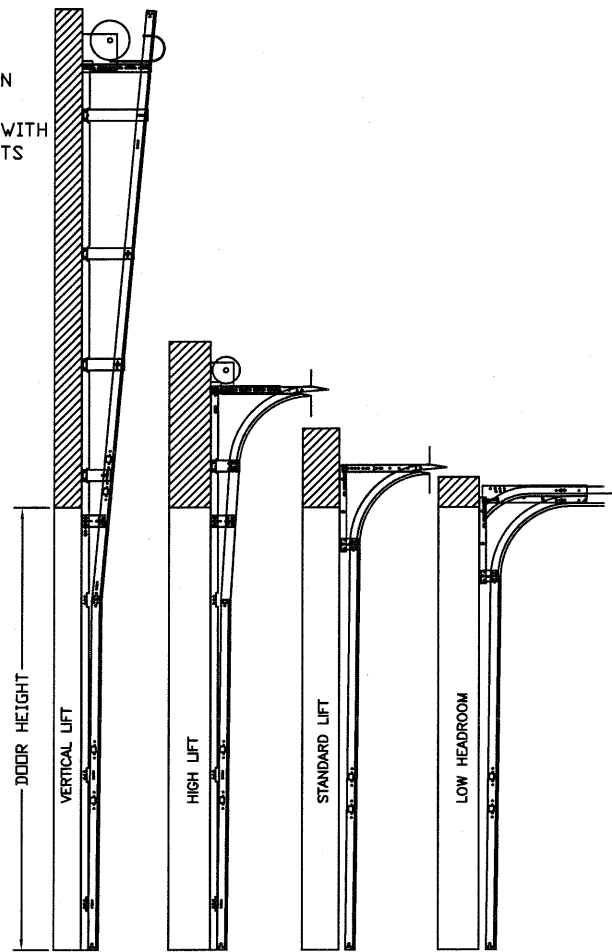


SEE (TABLE 1) FOR JAMB BRACKET SPACING

SPLICE TRACKS AT THIS LOCATION W/ (4) 1/4'-20 TRACK SPLICE BOLTS & NUTS SECURE TO JAMB WITH (3) 5/16' DIA. x 1-5/8' LAG BOLTS

(1) 5/16' DIA. x 1-5/8' LAG BOLT ATTACHED TO JAMB AT EA. JAMB BRACKET

12 GA. GALV. STEEL JAMB BRACKETS ATTACHED W/ (1) 1/4'-20 x 5/8' TRACK SPLICE BOLT & NUT



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

STANDARD TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS
N.T.S.

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT														SPLICE	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N		
6' 6"	3"	14"	27"	38"	46"	56"	64"									70"
7'	3"	14"	27"	38"	46"	56"	68"									76"
7' 6"	3"	14"	27"	38"	46"	56"	68"	78"								82"
8'	3"	14"	27"	38"	46"	56"	68"	78"								88"
8' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"							94"
9'	3"	14"	27"	38"	46"	56"	68"	78"	88"							100"
9' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	98"						106"
10'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"						112"
10' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"					118"
11'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"					124"
11' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	120"				130"
12'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	122"				136"
12' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	132"			142"
13'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"			148"
13' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	134"	144"		154"
14'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"	146"		160"

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

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"				

TABLE 3

Section	Panel Type	Center Stile Locations (Measured from Left Edge)			
		1st (in)	2nd (in)	3rd (in)	4th (in)
10' 0"	Short	48.41	71.59		
10' 2"	Short	49.32	72.68		
10' 4"	Short	50.23	73.68		
10' 6"	Short	50.84	75.17		
10' 8"	Short	51.84	76.17		
10' 10"	Short	52.50	77.50		
11' 0"	Short	53.50	78.50		
11' 0"	Long	44.41	87.59		
11' 2"	Short	54.20	79.80		
11' 2"	Long	45.30	88.70		
11' 4"	Short	55.20	80.80		
11' 4"	Long	46.30	89.70		
11' 6"	Short	56.20	81.80		
11' 6"	Long	47.30	90.70		
11' 8"	Short	57.20	82.80		
11' 8"	Long	47.63	92.38		
11' 10"	Short	47.81	94.19		
11' 10"	Long	48.30	93.70		
12' 0"	Short	48.81	95.19		
12' 0"	Long	49.63	94.38		
13' 10"	Short	57.18	82.94	108.71	
14' 0"	Short	57.76	83.94	110.11	
14' 2"	Short	58.85	84.94	111.41	
14' 4"	Short	59.16	85.94	112.71	
14' 6"	Short	59.86	86.94	114.01	
14' 8"	Short	60.56	87.94	115.31	
14' 10"	Short	61.26	88.94	116.61	
14' 10"	Long	45.60	89.00	132.40	
15' 0"	Short	61.94	89.94	117.94	
15' 0"	Long	46.60	90.00	133.40	
15' 2"	Short	62.66	90.94	119.21	
15' 2"	Long	47.60	91.00	134.40	
15' 4"	Short	53.60	79.20	104.80	130.40
15' 4"	Long	47.25	92.00	136.75	
15' 6"	Short	46.62	93.00	139.38	
15' 6"	Long	47.60	93.00	138.40	
15' 6"	Oak Summit	47.42	93.00	138.58	
15' 8"	Short	47.62	94.00	140.38	
15' 8"	Long	48.60	94.00	139.40	
15' 8"	Oak Summit	48.02	94.00	139.98	
15' 10"	Short	48.62	95.00	141.38	
15' 10"	Long	49.17	95.00	140.83	
15' 10"	Oak Summit	48.62	95.00	141.38	
16' 0"	Short	49.62	96.00	142.38	
16' 0"	Long	50.60	96.00	141.40	
16' 0"	Oak Summit	48.42	96.00	143.58	

*CONTACT ENGINEERING FOR SIZES NOT LISTED

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14' HEIGHT

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STATE OF TEXAS
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SHEET 3 OF 3