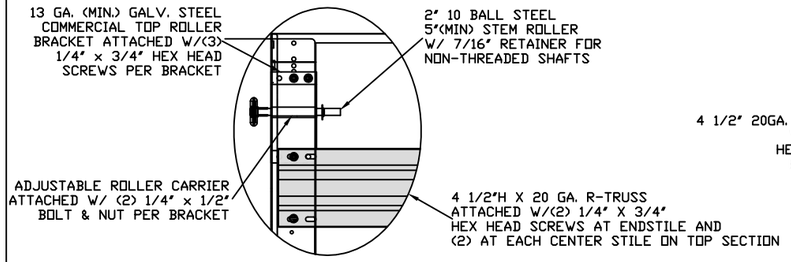
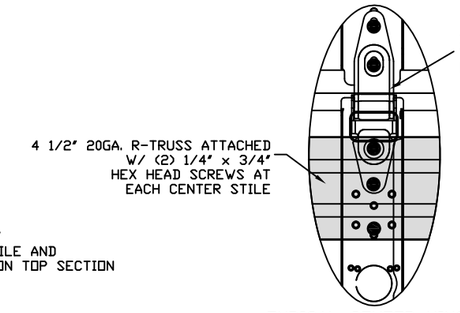
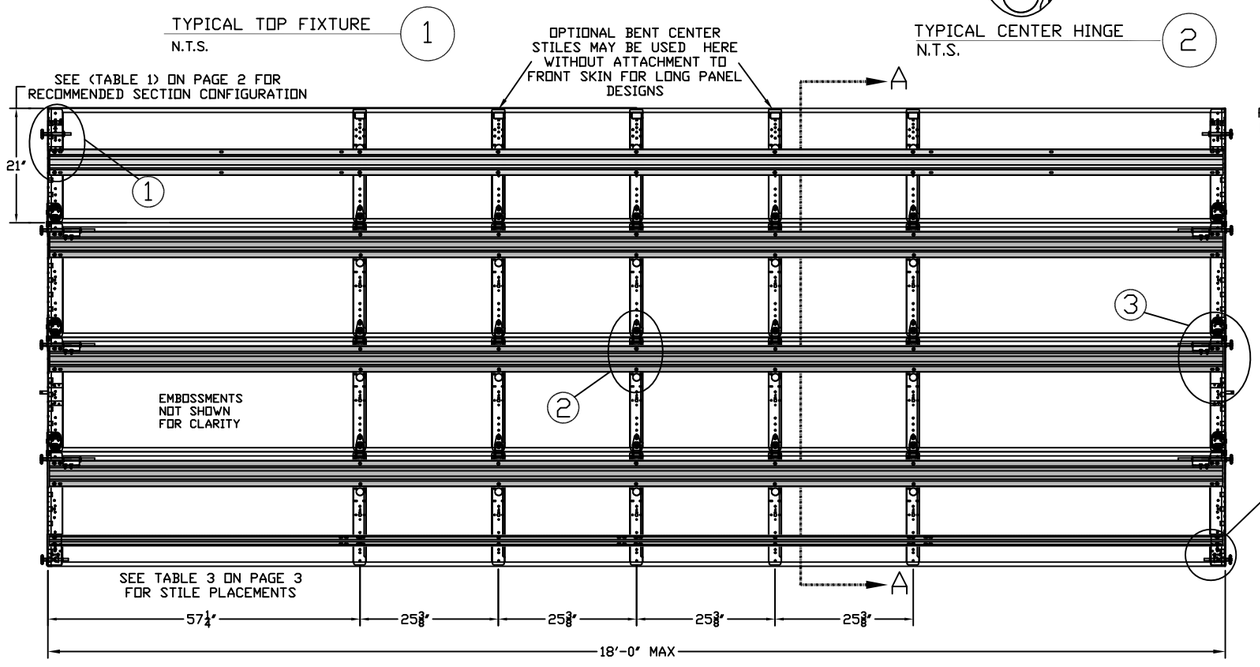


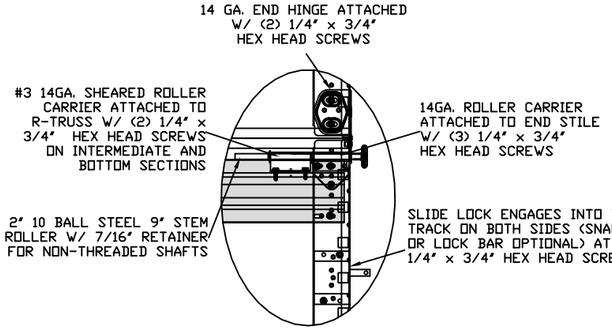
TYPICAL TOP FIXTURE 1
N.T.S.



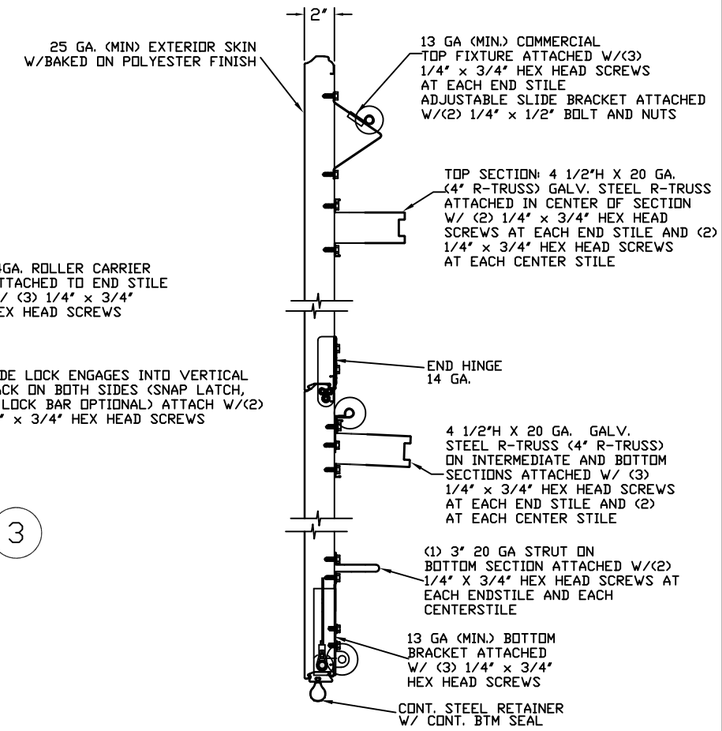
TYPICAL CENTER HINGE 2
N.T.S.



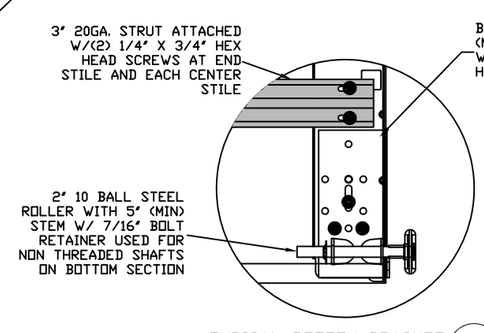
INSIDE ELEVATION
N.T.S.



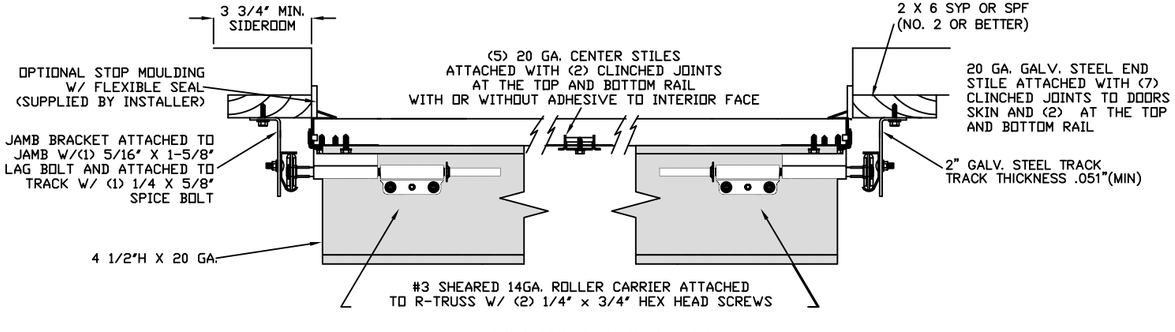
TYPICAL END HINGE 3
N.T.S.



SECTION A-A (SIDE VIEW)
N.T.S.



TYPICAL BOTTOM BRACKET 4
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND DASMA 108. 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, AND I=1.0):

WIND SPEED (MPH)	130	118	112	107	102
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	WIND SPEED TABLE & TRACK CONFIGURATIONS	4/23/12	RLR

MAX SIZE
18' x 14'

DESIGN LOADS
+25.4 PSF
-28.7 PSF

TEST LOADS
+38.1 PSF
-43.1 PSF

STATE OF TEXAS
06/28/2012
THOMAS L. SHELMERDINE
85829
LICENSED
PROFESSIONAL ENGINEER

Amarr

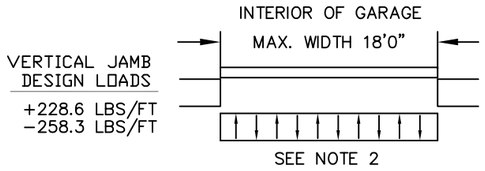
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 WWW.AMARR.COM

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

SIZE	DRAWN BY	SKW	DATE	10/1/07	DRAWING NUMBER
B	CHECKED BY	BHG	DATE	10/2/07	IRC-6018-130-24
ENGINEER: THOMAS L. SHLMERDINE P.E. LIC. No. 0048579					SHEET 1 OF 3

SPECIFICATIONS AND NOTES

1. 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.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +228.6 LBS/FT & −258.3 LBS/FT.
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 25 GA. MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH.
5. DOORS USE (1) 4.5" 20GA R−TRUSS PER SECTION AND (1) 3" 20GA STRUT ON THE BOTTOM SECTION.
6. REFER TO TABLE 1 FOR SECTION CONFIGURATION.
7. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

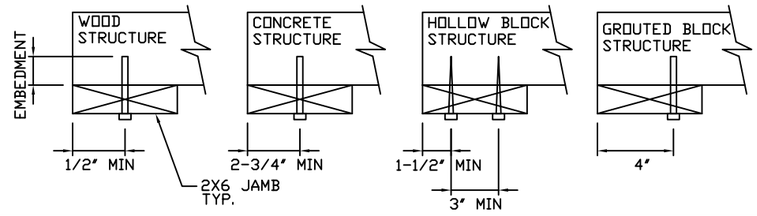


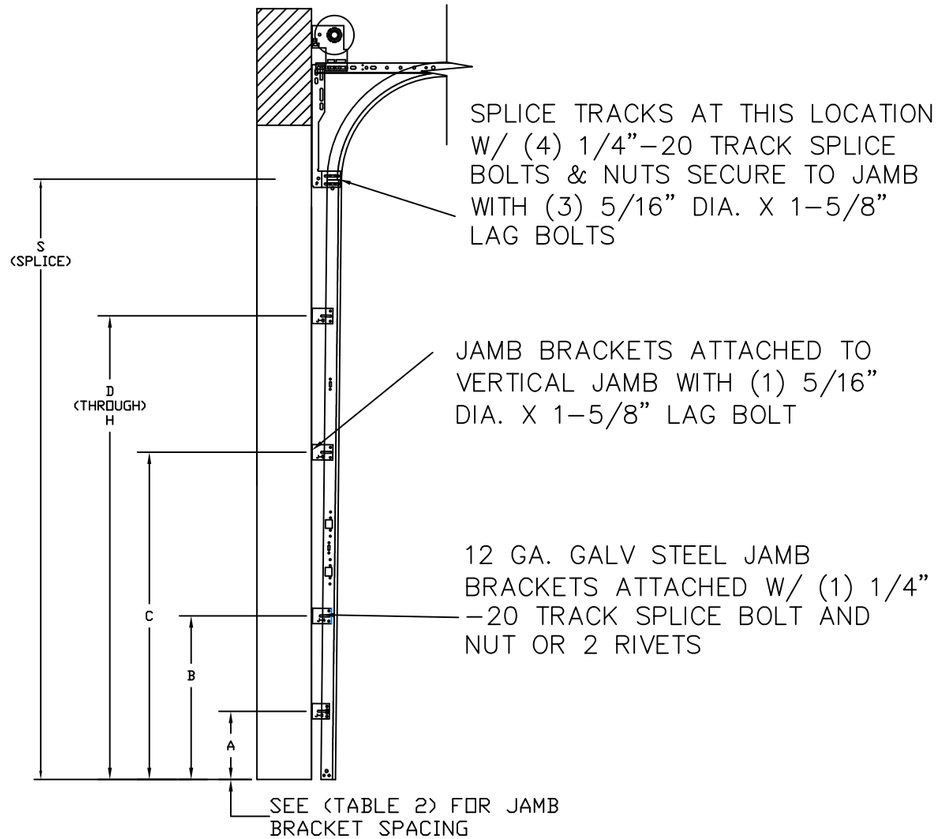
WOOD JAMB ATTACHMENT TO STRUCTURE

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 20" 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 18" 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 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)

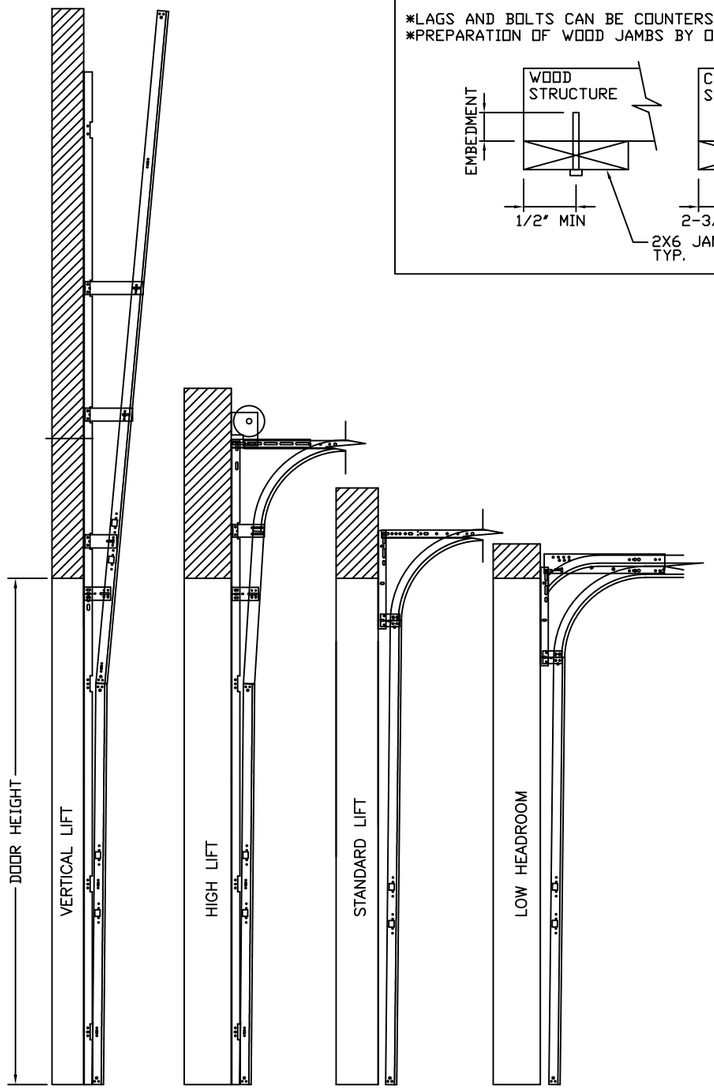
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 22" O.C. (1 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

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





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



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	WIND SPEED TABLE & TRACK CONFIGURATIONS	4/23/12	RLR

MAX SIZE 18' x 14'
DESIGN LOADS +25.4 PSF −28.7 PSF
TEST LOADS +38.1 PSF −43.1 PSF

STATE OF TEXAS
06/28/2012
THOMAS L. SHELMERDINE
85829
LICENSED PROFESSIONAL ENGINEER

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MODEL #600 STRATFORD 1000, 2000
MODEL #650 OAK SUMMIT 1000, 2000
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Short, Long, Flush & Oak Summit Panel's

SIZE	DRAWN BY	SKW	DATE	10/1/07	DRAWING NUMBER
B	CHECKED BY	BHG	DATE	10/2/07	IRC-6018-130-24
ENGINEER: THOMAS L. SHLMERDINE P.E. LIC. No. 0048579					SHEET 2 OF 3

TABLE 1

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
6' 0"	18"	18"	18"	18"				
6' 6"	21"	18"	18"	21"				
7' 0"	21"	21"	21"	21"				
7' 6"	18"	18"	18"	18"	18"			
8' 0"	21"	18"	18"	18"	21"			
8' 6"	21"	21"	21"	18"	21"			
9' 0"	18"	18"	18"	18"	18"	18"		
9' 6"	21"	18"	18"	18"	18"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
10' 6"	21"	21"	21"	21"	21"	21"		
11' 0"	21"	18"	18"	18"	18"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
12' 0"	21"	21"	21"	21"	21"	18"	21"	
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"

TABLE 2

HEIGHT	TRACK ATTACHMENT								SPLICE
	A	B	C	D	E	F	G	H	
6' 0"	10"	18"	36"	54"					64"
6' 6"	10"	21"	38"	58"					70"
7' 0"	10"	21"	42"	63"					76"
7' 6"	10"	18"	36"	54"	72"				82"
8' 0"	10"	21"	39"	58"	75"				88"
8' 6"	10"	21"	42"	63"	81"				94"
9' 0"	10"	18"	36"	54"	72"	90"			100"
9' 6"	10"	21"	39"	57"	75"	93"			106"
10' 0"	10"	21"	42"	63"	81"	99"			112"
10' 6"	10"	21"	42"	63"	84"	105"			118"
11' 0"	10"	21"	39"	57"	75"	93"	111"		124"
11' 6"	10"	21"	42"	63"	81"	99"	117"		130"
12' 0"	10"	21"	42"	63"	84"	105"	123"		136"
12' 6"	10"	18"	36"	57"	75"	93"	111"	129"	142"
13' 0"	10"	21"	42"	63"	81"	99"	117"	135"	148"
13' 6"	10"	21"	42"	63"	84"	105"	123"	141"	154"
14' 0"	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 3

Section Width (ft)		Panel Type	Center Stile Locations (Measured from Left Edge)					Max Design Loads Allowed	
			1st (in)	2st (in)	3rd (in)	4th (in)	5th (in)	Positive (PSF)	Negitive (PSF)
16'	2	Short	50.27	73.64	97.00	120.36	143.73	28.1	31.8
16'	2	Long	51.17	74.08	97.00	119.92	142.83	28.1	31.8
16'	2	Bead	48.75	72.88	97.00	121.13	145.25	28.1	31.8
16'	4	Short	51.27	74.64	98.00	121.36	144.73	27.9	31.5
16'	4	Long	52.17	75.08	98.00	120.92	143.83	27.8	31.4
16'	4	Bead	49.08	73.54	98.00	122.46	146.92	27.9	31.5
16'	6	Short	52.27	75.64	99.00	122.36	145.73	27.6	31.2
16'	6	Long	51.34	75.17	99.00	122.83	146.66	27.6	31.2
16'	6	Bead	49.42	74.21	99.00	123.79	148.59	27.6	31.2
16'	8	Short	51.34	75.67	100.00	124.33	148.66	27.3	30.8
16'	8	Long	52.20	76.10	100.00	123.90	147.80	27.3	30.8
16'	8	Bead	49.92	74.96	100.00	125.04	150.09	27.3	30.8
16'	10	Short	51.50	76.25	101.00	125.75	150.50	27.0	30.5
16'	10	Long	53.20	77.10	101.00	124.90	148.80	27.0	30.5
16'	10	Bead	50.15	75.57	101.00	126.29	151.59	27.0	30.5
17'	0	Short	53.34	77.67	102.00	126.33	150.66	26.8	30.2
17'	0	Long	54.20	78.10	102.00	125.90	149.80	26.7	30.2
17'	0	Bead	50.92	76.46	102.00	127.54	153.09	26.8	30.2
17'	2	Short	53.00	78.00	103.00	128.00	153.00	26.5	29.9
17'	2	Long	55.20	79.10	103.00	126.90	150.80	26.4	29.8
17'	2	Bead	51.42	77.21	103.00	128.79	154.59	26.5	29.9
17'	4	Short	54.00	79.00	104.00	129.00	154.00	26.2	29.7
17'	4	Long	56.20	80.10	104.00	127.90	151.80	26.1	29.5
17'	4	Bead	51.92	77.96	104.00	130.04	156.09	26.2	29.7
17'	6	Short	55.00	80.00	105.00	130.00	155.00	26.0	29.4
17'	6	Long	57.20	81.10	105.00	128.90	152.80	25.7	29.1
17'	6	Bead	52.42	78.71	105.00	131.29	157.59	26.0	29.4
17'	8	Short	54.80	80.40	106.00	131.60	157.20	25.7	29.1
17'	8	Long	55.80	80.90	106.00	131.10	156.20	25.7	29.1
17'	8	Bead	52.92	79.46	106.00	132.54	159.09	25.7	29.1
17'	10	Short	55.80	81.40	107.00	132.60	158.20	25.5	28.8
17'	10	Long	56.25	81.63	107.00	132.38	157.75	25.5	28.8
17'	10	Bead	53.42	80.21	107.00	133.79	160.59	25.5	28.8
18'	0	Short	57.25	82.63	108.00	133.38	158.75	25.4	28.7
18'	0	Long	57.80	82.90	108.00	133.10	158.20	25.3	28.6
18'	0	Bead	53.92	80.96	108.00	135.04	162.09	25.4	28.7

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18' x 14'

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+25.4 PSF
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ENGINEER: THOMAS L. SHLMERDINE P.E. LIC. No. 0048579					SHEET 3 OF 3