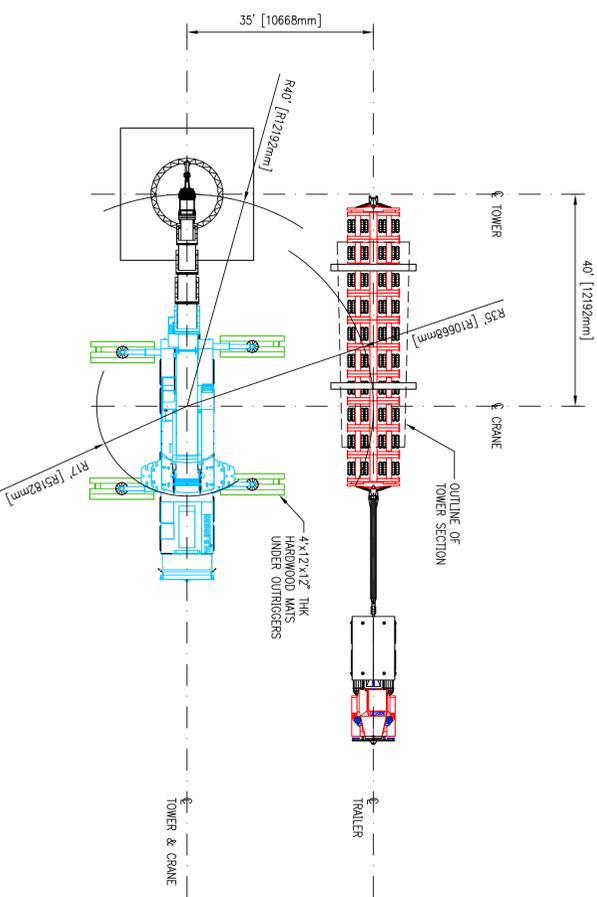


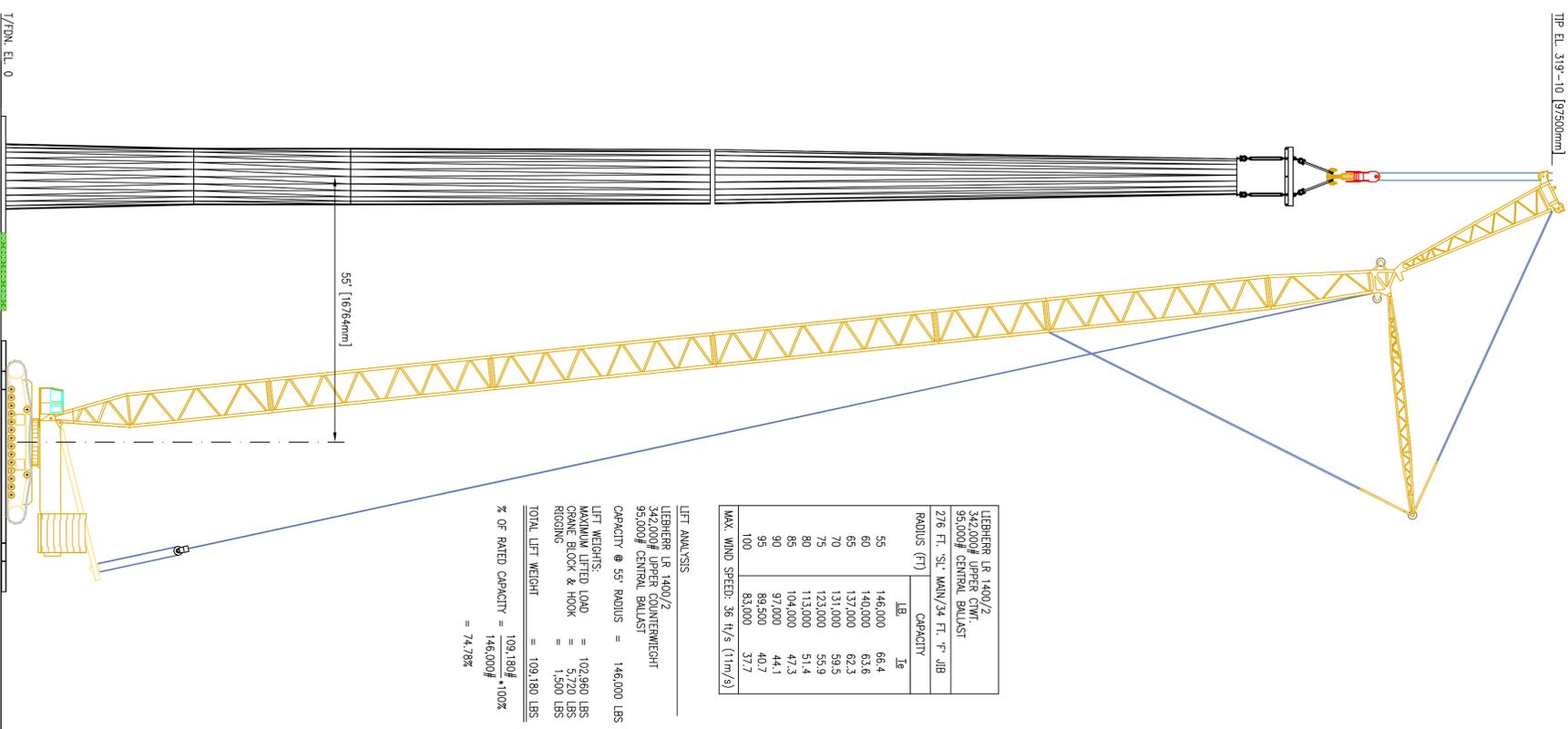
PLAN VIEW - SITE LAYOUT

SCALE: 1"=20'



PLAN VIEW - SETTING BOTTOM TOWER SECTION

SCALE: 1/4"=1'-0"



ELEVATION - SETTING UPPER TOWER SECTIONS

SCALE: 1/8"=1'-0"

RADIUS (FT)	LB	Lg
55	146,000	66.4
60	140,000	63.6
65	137,000	62.3
70	131,000	59.5
75	123,000	55.9
80	113,000	51.4
85	104,000	47.3
90	97,000	44.1
95	89,500	40.7
100	83,000	37.7

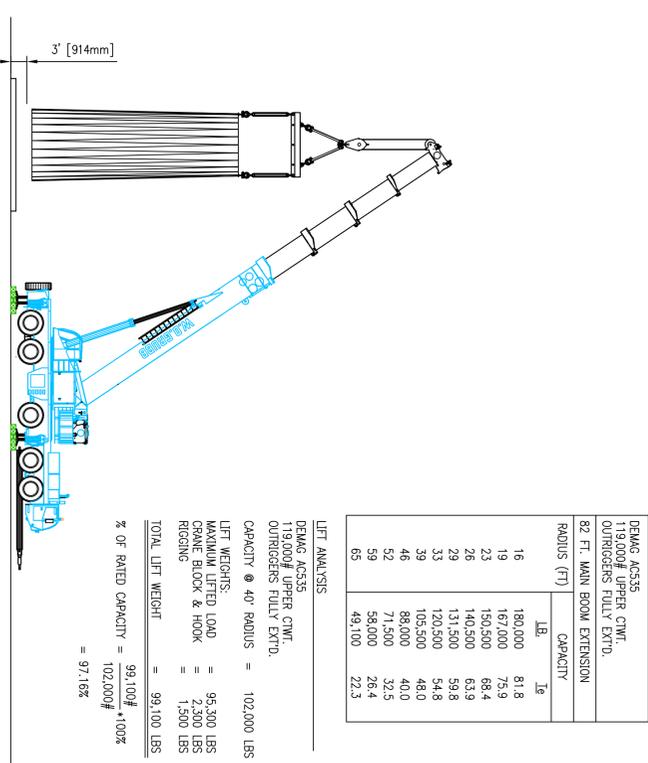
LIFT ANALYSIS

LEIBERER LR 1400/2
 342,000# UPPER COUNTERWEIGHT
 35,000# CENTRAL BALLAST
 276 FT. SL. MAIN/34 FT. "F" JIB

CAPACITY @ 55' RADIUS = 146,000 LBS

LIFT WEIGHTS:
 MAXIMUM LIFTED LOAD = 102,960 LBS
 CRANE BLOCK & HOOK = 1,500 LBS
 RIGGING = 1,500 LBS
 TOTAL LIFT WEIGHT = 109,180 LBS

% OF RATED CAPACITY = 109,180# / 146,000# = 74.78%



ELEVATION - SETTING BOTTOM TOWER SECTION

SCALE: 1/8"=1'-0"

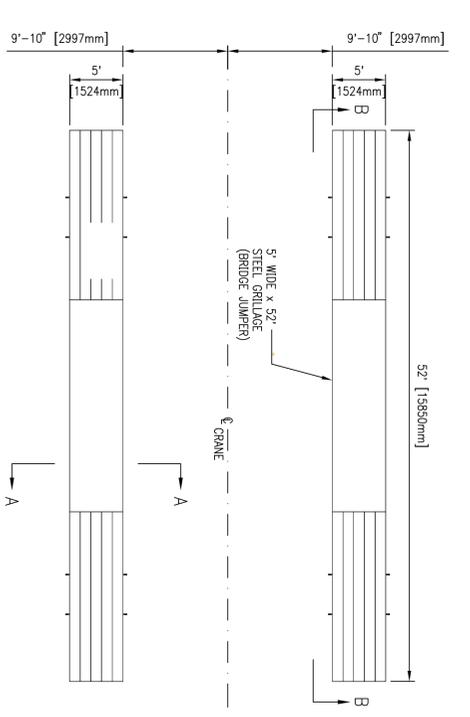
RADIUS (FT)	LB	Lg
16	180,000	81.8
19	167,000	75.9
23	150,500	68.4
26	140,500	63.9
29	131,500	59.8
33	120,500	54.8
39	105,500	48.0
46	88,000	40.0
52	71,500	32.5
59	58,000	26.4
65	49,100	22.3

BEAM ACCESS
 113,000# UPPER CWT
 OUTRIGGERS FULLY EXT.

CAPACITY @ 40' RADIUS = 102,000 LBS

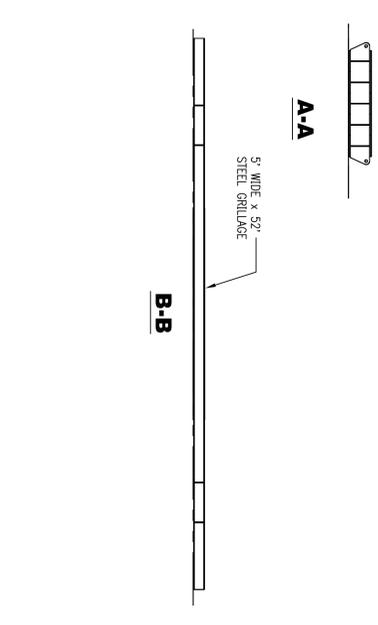
LIFT WEIGHTS:
 MAXIMUM LIFTED LOAD = 95,300 LBS
 CRANE BLOCK & HOOK = 2,300 LBS
 RIGGING = 1,500 LBS
 TOTAL LIFT WEIGHT = 99,100 LBS

% OF RATED CAPACITY = 99,100# / 102,000# = 97.16%



PLAN VIEW OF MAIN CRANE SUPPORT

SCALE: 3/8"=1'-0"



ELEVATION - SETTING UPPER TOWER SECTIONS

SCALE: 1/8"=1'-0"

NOTE:
 INFORMATION DEPICTED HEREON IS FOR ILLUSTRATIVE PURPOSES ONLY AND IS INTENDED TO CONFORM TO THE DESIGN CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS. CONSULT WITH THE CONDITIONS OF THE CONTRACT AND THE CONTRACT DOCUMENTS FOR ALL SPECIFICATIONS, REQUIREMENTS, AND RESTRICTIONS. THE DRAWING WAS NOT USED FOR ANY DESIGN FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
 THIS DRAWING IS ISSUED IN CONFIDENCE, AND MAY NOT BE REPRODUCED, DISCLOSED TO THIRD PARTIES OR USED TO MANUFACTURE ANYTHING HEREON WITHOUT WRITTEN PERMISSION FROM FOUR WINDS, LLC.

REVISION DESCRIPTION	ID	DATE
Wind Turbine Erection Details		
Site Layout and Tower Section Erection		

SCALE: As Noted
 DATE: 1/08/04
 DRAWN BY: JTC
 CHECKED BY: JTC

DESIGN: NEG Wilson
 PROJECT: Four Winds
 CLIENT: Four Winds, LLC
 DRAWING NUMBER: BWP-01