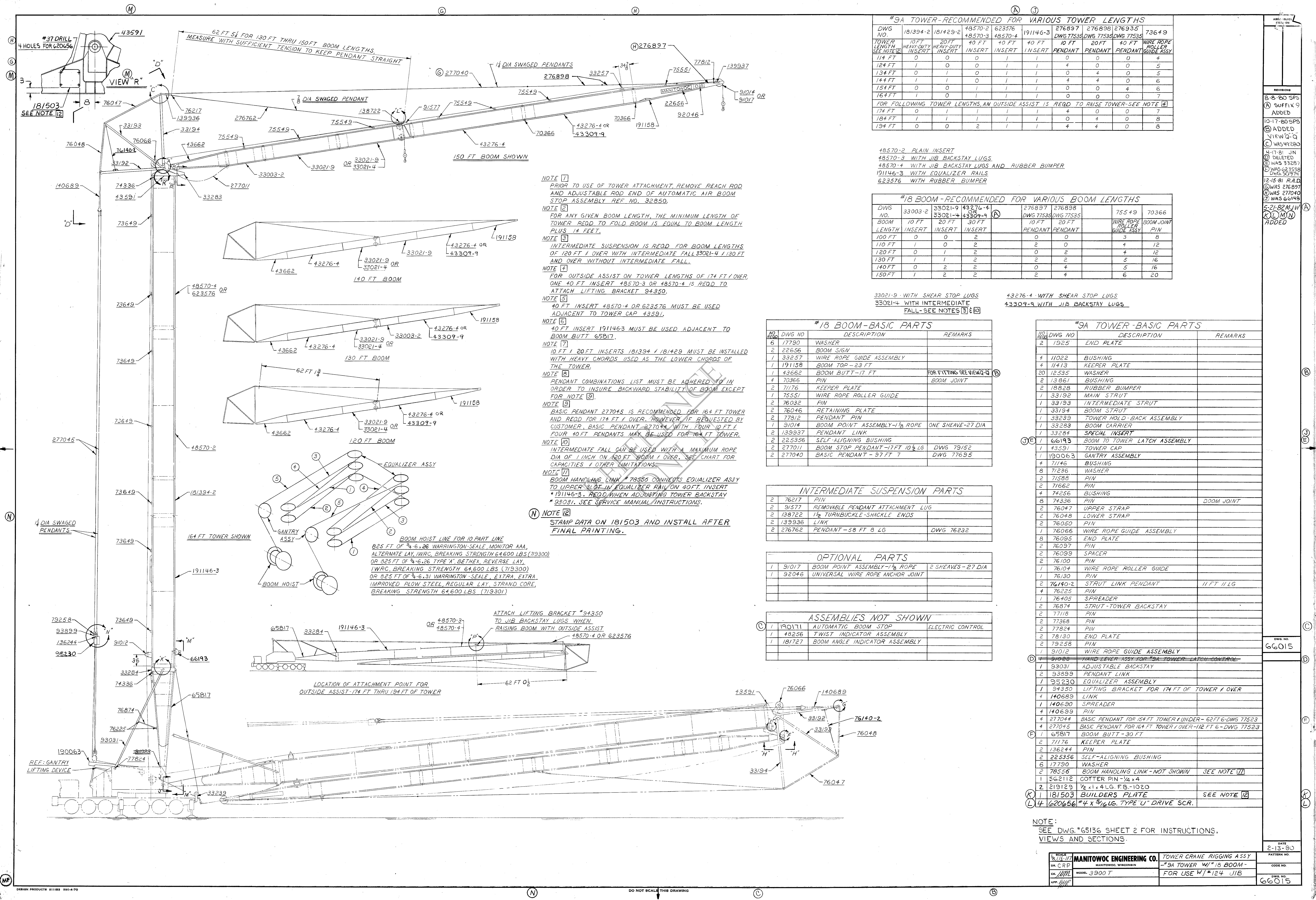




#9A TOWER-RECOMMENDED FOR VARIOUS TOWER LENGTHS									
DWG NO.	181394-2	181429-2	48570-2	623576	191146-3	276897	276898	276935	73649
TOWER LENGTH	10 FT	20 FT	40 FT	40 FT	40 FT	10 FT	20 FT	40 FT	WIRE ROPE ROLLER GUIDE ASSY
114 FT	0	0	0	1	1	0	0	0	4
124 FT	0	0	0	1	1	4	0	0	5
134 FT	0	1	0	1	1	0	4	0	5
144 FT	1	1	0	1	1	4	4	0	6
154 FT	0	0	1	1	1	0	0	4	6
164 FT	1	0	1	1	1	0	0	0	7
FOR FOLLOWING TOWER LENGTHS, AN OUTSIDE ASSIST IS REQD TO RAISE TOWER-SEE NOTE 4									
174 FT	0	1	1	1	1	4	0	0	7
184 FT	1	1	1	1	1	0	4	0	8
194 FT	0	0	2	1	1	4	4	0	8

48570-2 PLAIN INSERT
48570-3 WITH JIB BACKSTAY LUGS
48570-4 WITH JIB BACKSTAY LUGS AND RUBBER BUMPER
191146-3 WITH EQUALIZER RAILS
623576 WITH RUBBER BUMPER

#18 BOOM-RECOMMENDED FOR VARIOUS BOOM LENGTHS									
DWG NO.	33003-2	33021-9	43276-4	43309-9	276897	276898	276935	73649	70366
BOOM LENGTH	10 FT	20 FT	30 FT	30 FT	10 FT	20 FT	20 FT	WIRE ROPE ROLLER GUIDE ASSY	BOOM JOINT PIN
100 FT	0	0	2	2	0	0	0	3	8
110 FT	1	0	2	2	2	0	0	4	12
120 FT	0	1	2	2	0	2	0	4	12
130 FT	1	1	2	2	2	2	0	5	16
140 FT	0	2	2	2	0	4	0	5	16
150 FT	1	2	2	2	2	4	0	6	20

33021-9 WITH SHEAR STOP LUGS
33021-4 WITH INTERMEDIATE FALL-SEE NOTES 3 & 10
43276-4 WITH SHEAR STOP LUGS
43309-9 WITH JIB BACKSTAY LUGS

#18 BOOM-BASIC PARTS			
NO	DWG NO	DESCRIPTION	REMARKS
6	17790	WASHER	
2	22656	BOOM SIGN	
1	33257	WIRE ROPE GUIDE ASSEMBLY	
1	191158	BOOM TOP-23 FT	
1	43662	BOOM BUTT-17 FT	FOR FITTING SEE VIEW Q
4	70366	PIN	BOOM JOINT
2	71176	KEEPER PLATE	
1	75551	WIRE ROPE ROLLER GUIDE	
2	76032	PIN	
2	76046	RETAINING PLATE	
2	77812	PENDANT PIN	
1	91014	BOOM POINT ASSEMBLY-1/2 ROPE	ONE SHEAVE-27 DIA
2	139937	PENDANT LINK	
2	225356	SELF-ALIGNING BUSHING	
2	277011	BOOM STOP PENDANT-17 FT 10 1/2 LG	DWG 79152
2	277040	BASIC PENDANT-97 FT 7	DWG 77695

INTERMEDIATE SUSPENSION PARTS			
NO	DWG NO	DESCRIPTION	REMARKS
2	76217	PIN	
2	91577	REMOVABLE PENDANT ATTACHMENT LUG	
2	138722	1/2 TURNBUCKLE-SHACKLE ENDS	
2	139936	LINK	
2	276762	PENDANT-58 FT 8 LG	DWG 76232

OPTIONAL PARTS			
NO	DWG NO	DESCRIPTION	REMARKS
1	91017	BOOM POINT ASSEMBLY-1/2 ROPE	2 SHEAVES-27 DIA
1	92046	UNIVERSAL WIRE ROPE ANCHOR JOINT	

ASSEMBLIES NOT SHOWN			
NO	DWG NO	DESCRIPTION	REMARKS
1	190171	AUTOMATIC BOOM STOP	ELECTRIC CONTROL
1	48256	TWIST INDICATOR ASSEMBLY	
1	181727	BOOM ANGLE INDICATOR ASSEMBLY	

#9A TOWER-BASIC PARTS			
NO	DWG NO	DESCRIPTION	REMARKS
2	1925	END PLATE	
4	11022	BUSHING	
4	11413	KEEPER PLATE	
20	12535	WASHER	
2	13861	BUSHING	
2	18828	RUBBER BUMPER	
1	33192	MAIN STRUT	
1	33193	INTERMEDIATE STRUT	
1	33194	BOOM STRUT	
1	33239	TOWER HOLD-BACK ASSEMBLY	
1	33283	BOOM CARRIER	
1	33284	SPECIAL INSERT	
1	66193	BOOM TO TOWER LATCH ASSEMBLY	
1	43591	TOWER CAP	
1	190063	GANTRY ASSEMBLY	
4	71146	BUSHING	
8	71236	WASHER	
2	71588	PIN	
2	71662	PIN	
4	74256	BUSHING	
8	74336	PIN	BOOM JOINT
2	76047	UPPER STRAP	
2	76048	LOWER STRAP	
2	76050	PIN	
1	76066	WIRE ROPE GUIDE ASSEMBLY	
8	76095	END PLATE	
2	76097	PIN	
2	76099	SPACER	
2	76100	PIN	
1	76104	WIRE ROPE ROLLER GUIDE	
1	76130	PIN	
2	76140-2	STRUT LINK PENDANT	11 FT 11 LG
4	76225	PIN	
1	76405	SPREADER	
2	76874	STRUT-TOWER BACKSTAY	
2	77118	PIN	
2	77368	PIN	
2	77824	PIN	
2	78130	END PLATE	
2	79258	PIN	
1	91012	WIRE ROPE GUIDE ASSEMBLY	
1	91023	HAND LEVER ASSY FOR 9A TOWER LATCH CONTROL	
1	93031	ADJUSTABLE BACKSTAY	
2	93899	PENDANT LINK	
1	95230	EQUALIZER ASSEMBLY	
1	94350	LIFTING BRACKET FOR 174 FT OF TOWER & OVER	
4	140689	LINK	
1	140690	SPREADER	
4	140699	PIN	
4	277044	BASIC PENDANT FOR 154 FT TOWER & UNDER-62 FT 6-DWG 77523	
4	277045	BASIC PENDANT FOR 164 FT TOWER & OVER-112 FT 6-DWG 77523	
1	65817	BOOM BUTT-30 FT	
2	71176	KEEPER PLATE	
2	136244	PIN	
2	225356	SELF-ALIGNING BUSHING	
6	17790	WASHER	
2	76556	BOOM HANDLING LINK-NOT SHOWN	SEE NOTE 17
1	562112	GOTTER PIN-1/4 x 4	
2	219129	1/2 x 1/4 LG FB-1020	
1	181503	BUILDERS PLATE	SEE NOTE 12
4	1620656	4 x 3/16 LG TYPE "U" DRIVE SCR.	

NOTE:
SEE DWG. #65136 SHEET 2 FOR INSTRUCTIONS, VIEWS AND SECTIONS.

MANITOWOC ENGINEERING CO.		TOWER CRANE RIGGING ASSY
MANITOWOC, WISCONSIN		-9A TOWER W/ #18 BOOM-
MODEL 3900 T		FOR USE W/ #124 JIB
DWG NO. 66015		

REVISIONS
8-8-80 SPS
(A) SUFFIX 9
ADDED
10-17-80 SPS
(B) ADDED
VIEW Q-Q
(C) WAS 19280
4-17-81 JN
(D) DELETED
WAS 33257
(E) WAS 62358
DWS 3097H
12-15-81 RAD
(F) WAS 27697
(G) WAS 277040
(H) WAS 66148
5-21-82 MJW
(I) ADDED
(J) ADDED
(K) ADDED
(L) ADDED

DWG NO.
66015

DATE
2-13-83
PATTERN NO.
CODE NO.
DWG NO.
66015