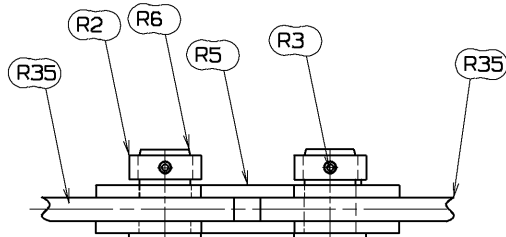


INSERTS ASSEMBLIES REQ'D. FOR VARIOUS BOOM LENGTHS

ITEM NO.		5	6	7	8	TABLE 1	TABLE 2
BOOM LENGTH		10 FT 3.05 M INSERT ASSEMBLY	20 FT 6.10 M INSERT ASSEMBLY	40 FT 12.19 M INSERT ASSEMBLY	40 FT 12.19 M INSERT ASSEMBLY	MAST LINK POSITION	INTERMEDIATE SUSPENSION POSITION
FEET	METERS						
50	15.2	0	0	0	0	A	-
60	18.3	1	0	0	0	A	-
70	21.3	OR $\frac{2}{0}$	$\frac{0}{1}$	$\frac{0}{0}$	$\frac{0}{0}$	A	-
80	24.4	1	1	0	0	A	-
90	27.4	OR $\frac{2}{0}$	$\frac{1}{0}$	$\frac{0}{0}$	$\frac{0}{1}$	B	-
100	30.5	1	0	0	1	B	-
110	33.5	OR $\frac{2}{0}$	$\frac{0}{1}$	$\frac{0}{0}$	$\frac{1}{1}$	B	-
120	36.6	1	1	0	1	B	-
130	39.6	OR $\frac{2}{0}$	$\frac{1}{0}$	$\frac{0}{1}$	$\frac{1}{1}$	B	-
140	42.7	1	0	1	1	C	-
150	45.7	OR $\frac{2}{0}$	$\frac{0}{1}$	$\frac{1}{1}$	$\frac{1}{1}$	C	-
160	48.8	1	1	1	1	C	-
170	51.8	OR $\frac{2}{0}$	$\frac{1}{0}$	$\frac{1}{2}$	$\frac{1}{1}$	C	-
180	54.9	1	0	2	1	C	-
190	57.9	OR $\frac{2}{0}$	$\frac{0}{1}$	$\frac{2}{2}$	$\frac{1}{1}$	C	-
200	61.0	1	1	2	1	C	-
210	64.0	OR $\frac{2}{0}$	$\frac{1}{0}$	$\frac{2}{3}$	$\frac{1}{1}$	C	-
220	67.1	1	0	3	1	C	-
230	70.1	OR $\frac{2}{0}$	$\frac{0}{1}$	$\frac{3}{3}$	$\frac{1}{1}$	C	D
240	73.2	1	1	3	1	C	D
250	76.2	2	1	3	1	C	E

BOOM SECTION ASSEMBLY	BOOM SECTION WELDMENT (THIS NUMBER APPEARS ON NAMEPLATE)
10FT. INSERT A00782	A00781
20FT. INSERT A00784	A00783
40FT. INSERT A00786(A)	A00785
40FT. INSERT A00788(B)	A00787
BOOM SECTIONS/ASSEMBLIES ABOVE REPLACE PAST PRODUCTION BOOM LISTED BELOW	BOOM WELDMENTS/MODIFICATIONS LISTED BELOW ARE ACCEPTABLE FOR WELDMENTS LISTED ABOVE
10FT. INSERT 195493	195492 - A00791
20FT. INSERT 195495	195494 - A00792
40FT. INSERT (A) 195497	195496 - A00793
40FT. INSERT (B) 196403	196402 - A00794
(A) WITHOUT JIB BACKSTAY LUGS	
(B) WITH JIB BACKSTAY LUGS	



VIEW "A-A"
SCALE 3"=1FT
TYP. STRAP CONNECTION

240 FT (73.2M)
BOOM SHOWN

STANDARD PIN STORAGE
INCL. LOCK PIN

INTERMEDIATE SUSPENSION
VIEW "B" - "B"
(SEE TABLE 2)

STRAP R28, R32, R35 OR R47
MUST BE SUPPORTED ON TOP
OF PIN R7 BEFORE CONNECTING
BUTT FAILURE TO POSITION
STRAP AS SHOWN WILL RESULT IN
DAMAGE TO STRAP AND INSERT.

ATTACHING INSERT OR TOP
TO BOOM BUTT TYP.

28 FT (8.53M) TOP ASSEMBLY

9	1 TOP 28 FT ASSEMBLY	A00812
R39	2 SIGN BOOM MANITOWOC	81008829
R26	2 BOOM JOINT PIN	76998
R2	6 COLLAR	179862
R3	6 PIN	179959
R27	2 JIB UPPER CONNECTOR PIN	195488
R40	2 PIN	196392
R6	6 PIN	196416
R41	4 LINK	196421
R33	1 3.00 X 3.00 X 25.50 LJ OAK TIMBER	196423
R7	2 PIN	196456
R42	2 PAD WEAR	554175
R43	2 SCREW CAP SOCKET FLAT HEAD	614041
R44	1 TOP 28 FT WELDMENT	A00813
R45	1 GUIDE ASSEMBLY	A00984
R46	1 BOOM POINT LOWER ASSEMBLY	A01000
R47	2 STRAP	A01529

INTERMEDIATE SUSPENSION ASSEMBLY

10	1 INTERMEDIATE SUSPENSION ASSY	A02423
R3	2 PIN	179959
R48	2 PIN	196296
R49	6 PIN	196297
R50	1 LINK	196487
R51	2 LINK	196488
R52	2 PIN	196489
R53	2 COLLAR	196490
R54	2 PENDANT 4FT-7.25 (1.40M)	277516
R55	2 PENDANT 6FT-6.50 (2.00M)	A02428
R56	2 LINK	A02537
R57	2 PIN	A02538

OPTIONAL ASSEMBLY LIST

11	1 UPPER BOOM POINT ASSEMBLY	170419
R58	1 BRACKET UPPER BOOM POINT	A00989
12	1 DRUM SHAFT ASSEMBLY, AUXILIARY	A00620
13	1 GUIDE ASSEMBLY	A00968
14	1 BOOM SUPPORT ASSEMBLY	A00970
15	1 PILE DRIVER ADAPTER ASSEMBLY	A02814
16	1 WIRE ROPE ROLLER GUIDE ASSEMBLY	A06431
17	1 TAGLINE RUDDOMATIC MODEL 1866	A08432
18	1 PRESSURE ROLLER ASSEMBLY	A08424

- SEE CHART FOR NO. REQ'D.
- MAXIMUM NO. OF 10 FT (3.05 M) INSERT ASSEMBLIES = 2.
- MAXIMUM NO. OF 20 FT (6.10 M) INSERT ASSEMBLIES = 1.
- SEE 1 AND 2.
- SEE 1 AND 3.
- STARTING WITH BOOM BUTT ASSEMBLY, INSERT ASSEMBLIES MUST BE INSTALLED IN ASCENDING LENGTH.
- JIB CANNOT BE USED WITH THIS ASSEMBLY. UPPER BOOM POINT (ITEM 11) IS REQUIRED FOR BASIC RATING (9 PART LINE). UPPER BOOM POINT (ITEM 11) MUST BE REMOVED FOR 250 FT. (76.2M) BOOM.
- STRAPS ATTACHED TO MAST TOP LINKS ARE CALLED FOR ON BOOM BUTT ASSEM. (ITEM 4)
- ON DWG 196289
- ON DWG A02331
- REQUIRED WHEN USING AUX. DRUM A00620.
- INTERMEDIATE SUSPENSION IS ALWAYS LOCATED 108 FT (32.9 M) FROM BOOM POINT.
- FOR MACHINE WITH THREE SHEAVE GUIDE ASS'Y OR TWO SHEAVE GUIDE ASS'Y. (THIRD SHEAVE READY) TOP IS DWG. NO. A04281.
- FOR MACHINE WITH THREE SHEAVE GUIDE ASS'Y. GUIDE ASS'Y IS A04348 AND A04352. FOR MACHINES WITH TWO SHEAVE GUIDE ASS'Y (THIRD SHEAVE READY) GUIDE ASS'Y IS A04348.
- BOOM POINT ROLLER REQUIRES BOOM TOP MODIFICATION DRAWING A08306.

BILL OF MATERIAL

ITEM NO.	QTY.	DESCRIPTION	LENGTH	MATERIAL	QTY. NO.	QTY.
BOOM RIGGING ASSEMBLY						
1	1	MAST ASSEMBLY		A00930	8	
2						
BOOM BUTT ASSEMBLY						
4	1	BUTT 22 FT ASSEMBLY #84 BOOM		A00810		
R1	1	BOOM ANGLE INDICATOR		168779		
R2	6	COLLAR		179862		
R3	6	PIN		179959		
R4	2	PIN		195489		
R5	4	LINK		196413		
R6	6	PIN		196416		
R7	2	PIN		196456		
R8	2	PENDANT 14FT-9.25 (4.5 M)		277503		
R9	8	NUT-HEX		546054		
R10	3	PAD-BEARING		554175		
R11	8	SCREW CAP HEX HEAD		612468		
R12	3	SCREW CAP SOCKET FLAT HEAD		614096		
R13	8	WASHER FLAT		709152		
R14	8	WASHER LOCK		710304		
R15	1	LACING		A00796		
R16	1	BUTT 22 FT		A00811		
R17	2	BOOM STOP ASSEMBLY		A00948		
R18	1	PLATFORM CATWALK WELDMENT		A01006		
R19	1	PLATFORM CATWALK WELDMENT		A01007		
R20	1	PLATFORM CATWALK WELDMENT		A01008		
R21	1	SPREADER		A01073		
R22	4	LINK		A01074		
R23	1	PLATFORM CATWALK WELDMENT		A01528		
R24	2	PIN COTTER 2 HOLE		A01654		
R25	2	PAD BEARING		A01684		

10 FT (3.05M) INSERT ASSEMBLY

5	1	INSERT 10 FT ASSEMBLY #149		A00782	4	
R26	2	BOOM JOINT PIN		76998		
R2	4	COLLAR		179862		
R3	4	PIN		179959		
R27	2	JIB UPPER CONNECTOR PIN		195488		
R4	2	PIN		195489		
R28	2	STRAP		196410		
R5	4	LINK		196413		
R6	4	PIN		196416		
R7	2	PIN		196456		
R29	2	PIN		196472		
R30	8	PIN COTTER .19 X 1.50 LG		562085		
R31	1	10 FT INSERT		A00781		

20 FT (6.10M) INSERT ASSEMBLY

6	1	INSERT 20 FT ASSEMBLY #149		A00784	5	
R26	2	BOOM JOINT PIN		76998		
R2	4	COLLAR		179862		
R3	4	PIN		179959		
R27	2	JIB UPPER CONNECTOR PIN		195488		
R4	2	PIN		195489		
R32	2	STRAP		196411		
R5	4	LINK		196413		
R6	4	PIN		196416		
R33	1	3.00 X 3.00 X 25.50 LJ OAK TIMBER		196423		
R7	2	PIN		196456		
R29	2	PIN		196472		
R30	8	PIN COTTER .19 X 1.50 LG		562085		
R34	1	20 FT INSERT		A00783		

40 FT (6.10M) INSERT ASSEMBLY

7	1	INSERT 40 FT ASSEMBLY #149		A00786	1	
R26	2	BOOM JOINT PIN		76998		
R2	4	COLLAR		179862		
R3	4	PIN		179959		
R27	2	JIB UPPER CONNECTOR PIN		195488		
R4	2	PIN		195489		
R35	2	STRAP		196412		
R5	4	LINK		196413		
R6	4	PIN		196416		
R33	1	3.00 X 3.00 X 25.50 LJ OAK TIMBER		196423		
R7	2	PIN		196456		
R29	2	PIN		196472		
R30	8	PIN COTTER .19 X 1.50 LG		562085		
R36	1	40 FT INSERT		A00785		

40 FT (6.10M) INSERT ASSEMBLY W/BACKSTAY

8	1	INSERT 40 FT ASSEMBLY #149		A00788	1	
R26	2	BOOM JOINT PIN		76998		
R2	4	COLLAR		179862		
R3	4	PIN		179959		
R27	2	JIB UPPER CONNECTOR PIN		195488		
R4	2	PIN		195489		
R35	2	STRAP		196412		
R5	4	LINK		196413		
R6	4	PIN		196416		
R33	1	3.00 X 3.00 X 25.50 LJ OAK TIMBER		196423		
R7	2	PIN		196456		
R29	2	PIN		196472		
R30	8	PIN COTTER .19 X 1.50 LG		562085		
R38	1	40 FT INSERT W/BACKSTAY		A00787		

PRIVATE LABELING
REQUIREMENT TO
CONFORM TO
ENGINEERING
SPECIFICATION
6629103794 FOR
COMPONENTS LISTED
IN 6629103794-05-056

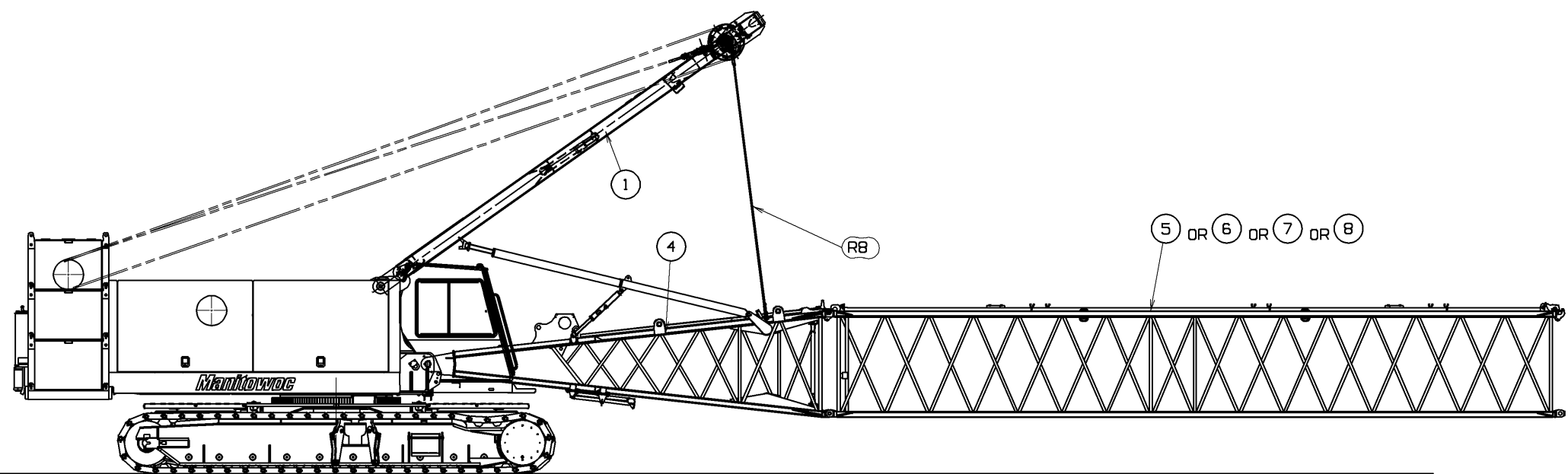
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PATTERN NO.

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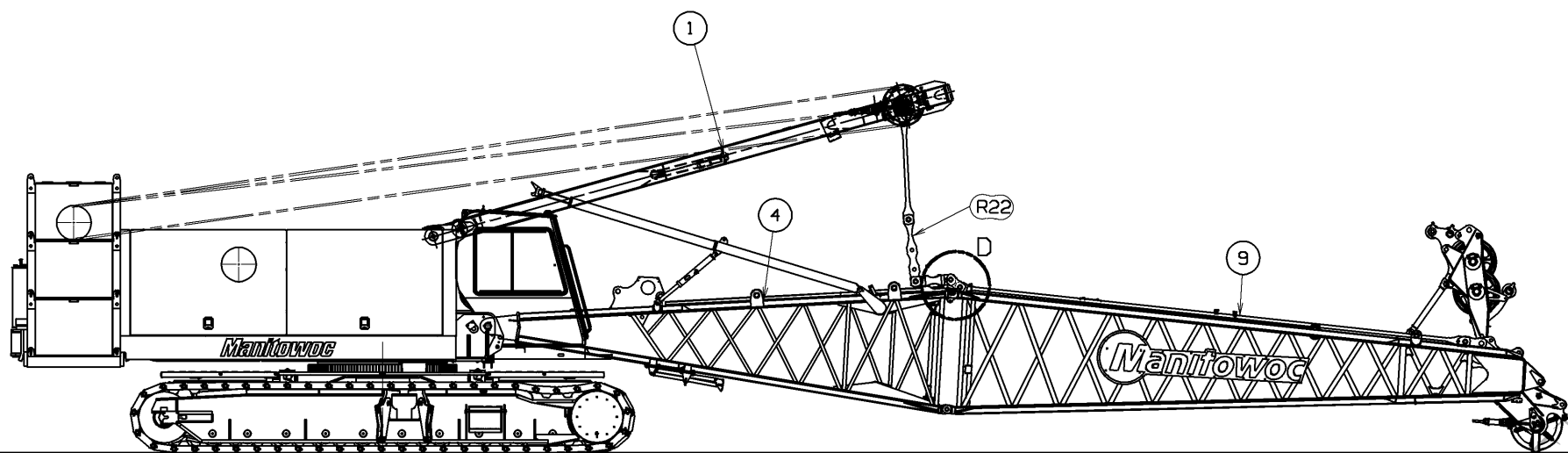
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SHT 1 OF 3

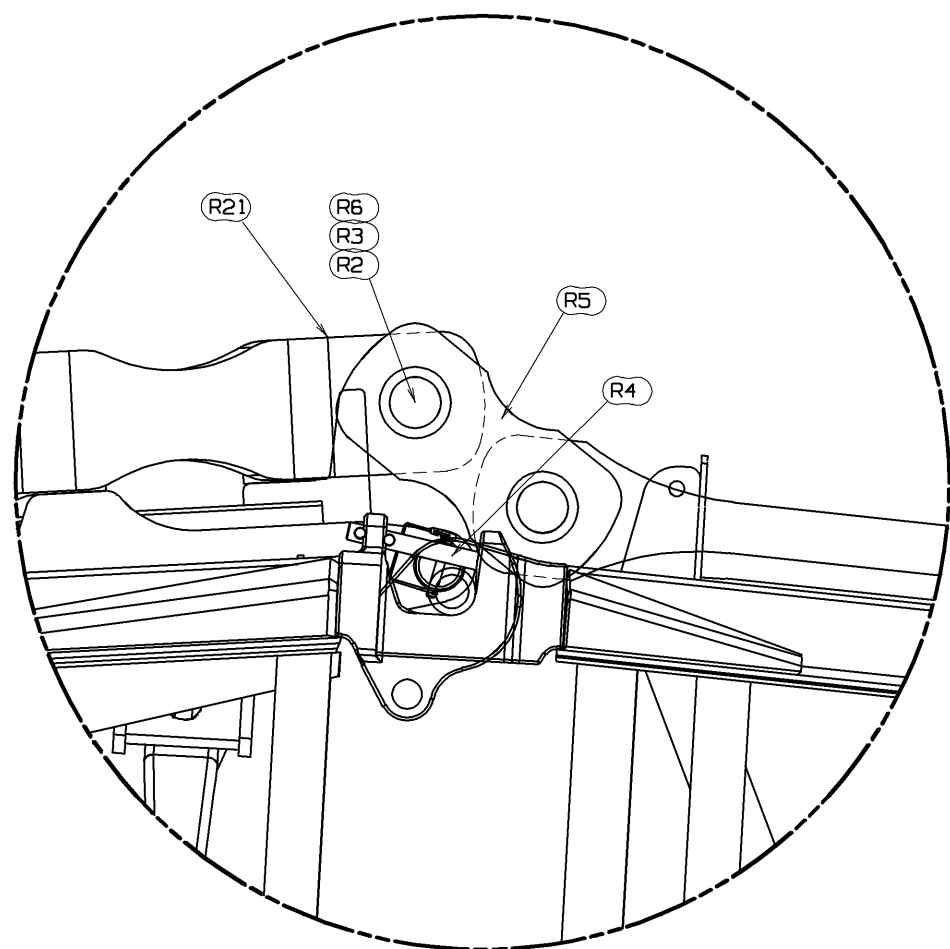


BOOM HANDLING WITH MAST

BOOM HANDLING WITH MAST WITH MAST PENDANT ATTACHED TO BOOM MAXIMUM BOOM THAT CAN BE CANTILEVERED IS AS FOLLOWS:			
LENGTH	10 FT. (3.05 M) INSERT	20 FT. (6.10 M) INSERT	40 FT. (12.2 M) INSERT
40 FT. (12.2 M)	2	1	0
40 FT. (12.2 M)	0	0	1
50 FT. (15.2 M)	1	0	1
60 FT. (18.3 M)	0	1	1
60 FT. (18.3 M)	2	0	1
70 FT. (21.3 M)	1	1	1
80 FT. (24.4 M)	0	0	2



CONNECTING OR DISCONNECTING
MAST/SPREADER/INSERT STRAPS



VIEW "D"
SCALE 3.00=1FT

REFERENCE ONLY!