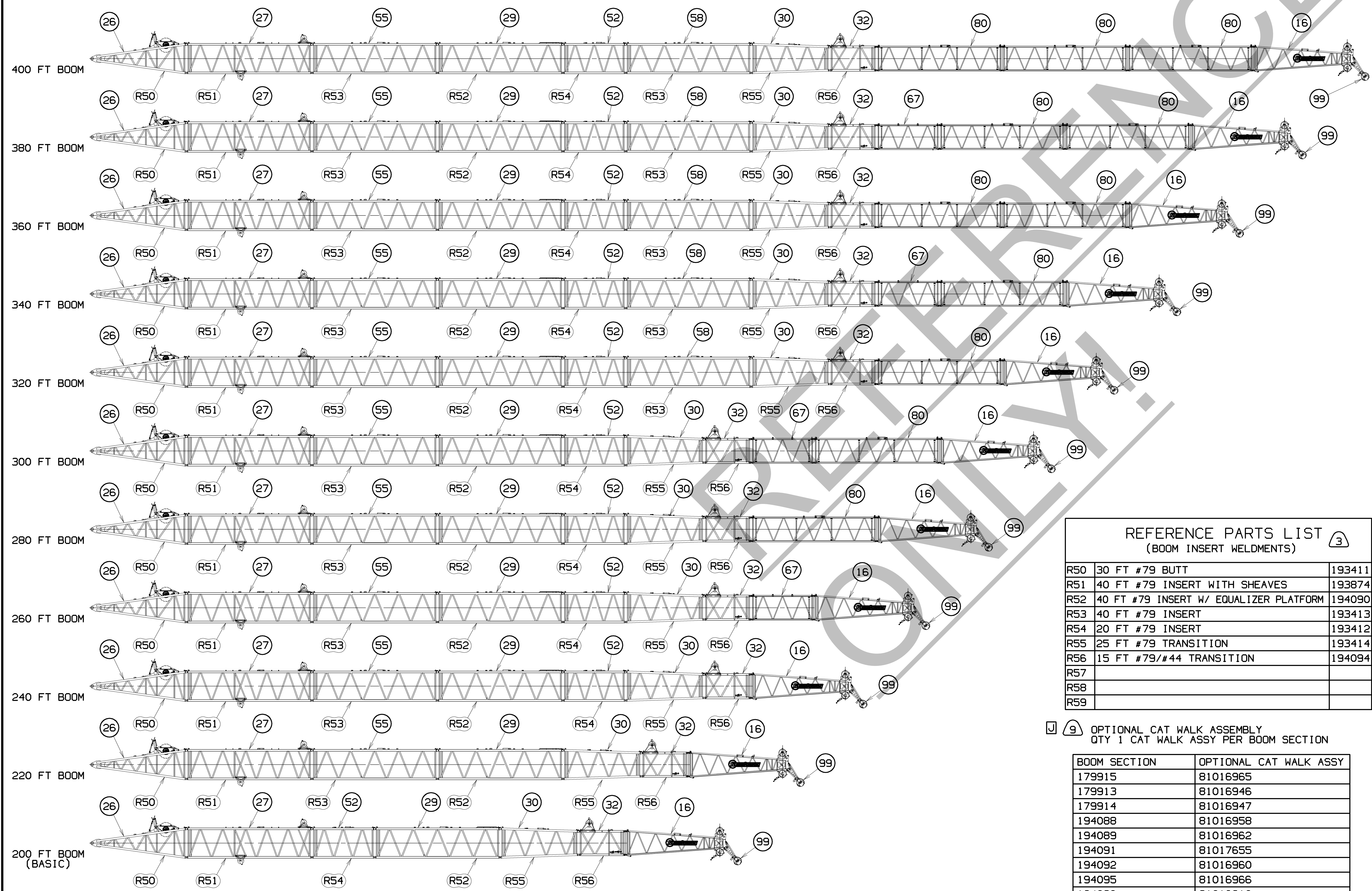


ADDITIONAL #79 PARTS ONLY REQUIRED FOR VARIOUS BOOM LENGTHS																	
ASSY ITEM NO.		52 (A)					58					55					
ASSY PART DESC.		20 FT(6.10M) #79 INSERT					40 FT(12.19M) #79 INSERT W/STRAPS					40 FT(12.19M) #79 INSERT W/O STRAPS					
ASSY PART NO.		194086					194087					194843					
PART ITEM NO.		PARTS INCLUDED IN THIS ASSEMBLY:					PARTS INCLUDED IN THIS ASSEMBLY:					PARTS INCLUDED IN THIS ASSEMBLY:					
PART DESC.		20 FT WLDMT	STRAP	LINK	COLLAR	PIN	PIN	40 FT WLDMT	39 FT STRAP	LINK	COLLAR	PIN	PIN	40 FT WLDMT			
WLDMT PART NO.		193412	179838	192250	179862	179863	179959	193413	179839	192250	179862	179863	179959	193413			
BOOM LENGTHS	FEET	METERS															
	200	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
	220	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
	240	1	1	2	4	4	4	4	0	0	0	0	0	0	1	1	
	260	1	1	2	4	4	4	4	0	0	0	0	0	0	1	1	
	280	1	1	2	4	4	4	4	0	0	0	0	0	0	1	1	
	300	1	1	2	4	4	4	4	0	0	0	0	0	0	1	1	
	320	1	1	2	4	4	4	4	1	1	2	4	4	4	4	1	1
	340	1	1	2	4	4	4	4	1	1	2	4	4	4	4	1	1
	360	1	1	2	4	4	4	4	1	1	2	4	4	4	4	1	1
380	1	1	2	4	4	4	4	1	1	2	4	4	4	4	1	1	
400	1	1	2	4	4	4	4	1	1	2	4	4	4	4	1	1	



RECOMMENDED BOOM ASSEMBLY

R50	30 FT #79 BUTT	193411
R51	40 FT #79 INSERT WITH SHEAVES	193874
R52	40 FT #79 INSERT W/ EQUALIZER PLATFORM	194090
R53	40 FT #79 INSERT	193413
R54	20 FT #79 INSERT	193412
R55	25 FT #79 TRANSITION	193414
R56	15 FT #79/#44 TRANSITION	194094
R57		
R58		
R59		

OPTIONAL CAT WALK ASSEMBLY QTY 1 CAT WALK ASSY PER BOOM SECTION

BOOM SECTION	OPTIONAL CAT WALK ASSY
179915	81016965
179913	81016946
179914	81016947
194088	81016958
194089	81016962
194091	81017655
194092	81016960
194095	81016966
194086	81016910
194843, 194087	81016911

734	PIN	78292
74		
752	TIMBER	178905
76		
772	SUPPORT STRAP (40 FT)	179839
784	COLLAR	179862
794	PIN	179863
801	40 FT INSERT	1799149
81		
824	PIN	179959
83		
844	LINK	192250

864	KEEPER	164479
8716	.50-13UNC HEX HD. CAPSREWS X 1.25	612555
8816	.50 LOCKWASHER	710306
892	PIN	564095
902	LINK	A01963
912	MAST STOP	A01964
928	PENDANT - (54FT-2.00) DWG. 195895	277504
932	PENDANT - (53FT-3.00) DWG. 195895	A01962
942	BRACKET	A01974
954	MOUNTING PAD	143408
961	SPREADER	A01939
974	PIN	144096

98		
991	BOOM POINT ASSEMBLY (UPPER)	1704191,2
100	CAT WALK ASSY 30FT #44 TOP	81016969
101	CAT WALK ASSY 30FT #79 BOOM BUTT	81016958
102	CAT WALK ASSY 40FT #79 INSERT	81016962
103	CAT WALK ASSY 40FT #79 INSERT	81017655
104	CAT WALK ASSY 25FT #79 INSERT TRANSITION	81016960
105	CAT WALK ASSY 15FT #44-79 TRANSITION INSERT	81016966
106	CAT WALK ASSY 20FT #79 INSERT	81016910
107	CAT WALK ASSY 40FT #79 INSERT	81016911
108	CAT WALK ASSY 20FT #44 INSERT	81016946
109	CAT WALK ASSY 40FT #44 INSERT	81016947

R1	4	PIN	78292
R2	2	STRAP	179839
R3			
R4	4	COLLAR	179862
R5	4	PIN	179863
R6	4	PIN	179959
R7			
R8	4	SUPPORT LINK	192250

R11	4	PIN	78292
R12			
R13	6	COLLAR	179862
R14	6	PIN	179863
R15	6	PIN	179959
R16			
R17	4	SUPPORT LINK	192250
R18			
R19	2	STRAP	194125
R20			
R21	1	BOOM EQUALIZER ASSEMBLY	194343
R22	2	PIN	194433
R23	2	COLLAR	194138
R24	2	PIN	194212
R25	4	LINK	194437
R26			
R27	1	LINK - BOOM SUSPENSION	195193
R28			
R29	2	SUPPORT STRAP	195232
R30	2	SUPPORT STRAP	195233
R31	6	PIN	195234
R32	2	SHAFT	195235
R33	2	SHEAVE ASSEMBLY	171932
R34	2	PIN	195505
R35	1	WIRE ROPE GUIDE ASSEMBLY	195212
R36			
R37	2	KEEPER PLATE	15275
R38	4	SHACKLE - 17 TON	624751

R40	4	PIN	78292
R41			
R42	4	COLLAR	179862
R43	4	PIN	179863
R44	4	PIN	179959
R45			
R46	4	SUPPORT LINK	192250
R47	2	STRAP	179838
R48			
R49			

BILL OF MATERIAL				ASSEMBLIES USED ON
QTY	DESC	MATERIAL	QTY	
1930-2400 BOOM COMBO (BASIC)				
EIC	1	2	SIGN BOOM MANITOWOC	81008829
	2			
	3	2	PIN	78292
	4	2	PIN	160720
	5			
	6	1	LOWER BOOM POINT ASSEMBLY	172960
	7			
	8			
	9			
	10	2	TIMBER	178905
	11			
	12			
	13		SUPPORT STRAP (BASIC)	179840
	14			
	15			
	16	1	#44 BOOM TOP (30 FT)-(9.14M)	1799159
	17			
	18			
	19	2	COLLAR	179862
	20	2	PIN	179863
	21	2	PIN	179959
	22			
	23			
	24			
	25			
	26	1	30 FT BOOM BUTT ASSEMBLY	194088
	27	1	40 FT INSERT W/DEFLECTOR SHEAVE ASSEM.	194089
	28			
	29	1	40 FT INSERT W/EQUALIZER PLATFORM	194091
	30	1	25 FT TRANSITION INSERT ASSEMBLY	194092
	31			
	32	1	15 FT #79/#44 ASS'Y TRANSITION	194095
	33			
	34			
	35			
	36			
	37			
	38			
	39			
	40	1	MAST RIGGING ASSEMBLY	194363
	41			
	42			
	43			
	44			
	45	32	SCR M8 X 30. 4.8 ZINC PLT	7121171301
	46	32	NUT HEX M8-1.25 10 PLN	7661170004
	47	32	WASHER LOCK M8	7951170210
	48			
	49			
	50			
	51			
	52	1	20 FT INSERT ASSEMBLY	194086
	53			

195224 SHT 2 OF 2

54				
55	1	40 FT INSERT W/O BOOM STRAPS ASSY	194843	9
56				
57				
58	1	40 FT INSERT WITH BOOM STRAPS ASSY	194087	9
59				

60	4	PIN	78292
61			
62	1	TIMBER	178905
63			
64	2	SUPPORT STRAP (20 FT)	179838
65	4	COLLAR	179862
66	4	PIN	179863
67	1	20 FT INSERT W/O STRAP	1799139
68			
69	4	PIN	179959
70			
71	4	LINK	192250
72			

- 1. 1.125 OR 1.00 DIA. ROPE.
- 2. REMOVE WHEN JIB IS USED.
- 3. THESE NUMBERS ARE THE WELDMENT PART NUMBERS FOR EACH INSERT ASSEMBLY. USE THESE WELDMENT NUMBERS FOR BOOM TAG NAME PLATE I.D.
- 4. ITEM 52, #79 20 FT INSERT, IS PART OF BASIC BILL OF MATERIAL. IT IS LISTED ALSO UNDER "ADDITIONAL PARTS" TO CLARIFY WHEN IT IS AND IS NOT NEEDED. TOTAL QUANTITY REQUIRED PER CRANE IS (1).
- 5. QUANTITY (1) ONLY ALLOWED PER BOOM LENGTH. DO NOT RIG (2) #44 20 FT INSERTS.
- 6. MAST STOP REQUIRED. REPLACE ITEM 9, ON MAST BUTT ASSEMBLY 194102 WITH ITEM 81 OF THIS DRAWING.
- 7. REF. 32 MUST BE OF RELEASE DATE 10-18-01 OR NEWER TO ATTACH ITEM 96.
- 8. LUFFING JIB HOIST ASSEMBLY 194823 FOR 1.00 WIRE ROPE OR JIB LUFFING HOIST ASSEMBLY 177356, 170800, OR 175591 (FOR 875 WIRE ROPE) MAY BE USED. 177356, 170800, OR 175591 CANNOT BE USED FOR MAXER 2000 LUFFING JIB HOIST LINE.

SUPERSEDES 195224 SHT 2 OF 2 OF 7-20-00

THIS PRINT REMAINS THE PROPERTY OF MANITOWOC CRANES, INC. IT IS LOANED, SUBJECT TO RETURN UPON DEMAND, AND ON EXPRESS CONDITION THAT IT IS NOT TO BE COPIED OR USED DIRECTLY OR INDIRECTLY IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF MANITOWOC CRANES, INC.		TOLERANCE UNLESS OTHERWISE SPECIFIED: DECIMAL PLACES FABRICATION: (1) PLACE 0.0 ±.12 ±.18 (2) PLACE 0.00 ±.06 ±.12 ±.015 (3) PLACE 0.000 ±.006 ±.008 ANGLES: ±1.0° ±1.5° ±2.0°		DATE: 10-19-01	
DR: GAO		MANITOWOC CRANES, INC.		#79/#44 LONG REACH	
CK: RJW		MODEL: 2250 MAXER 2000		BOOM RIGGING	
APP: RJW				ASSEMBLY	
				195224	