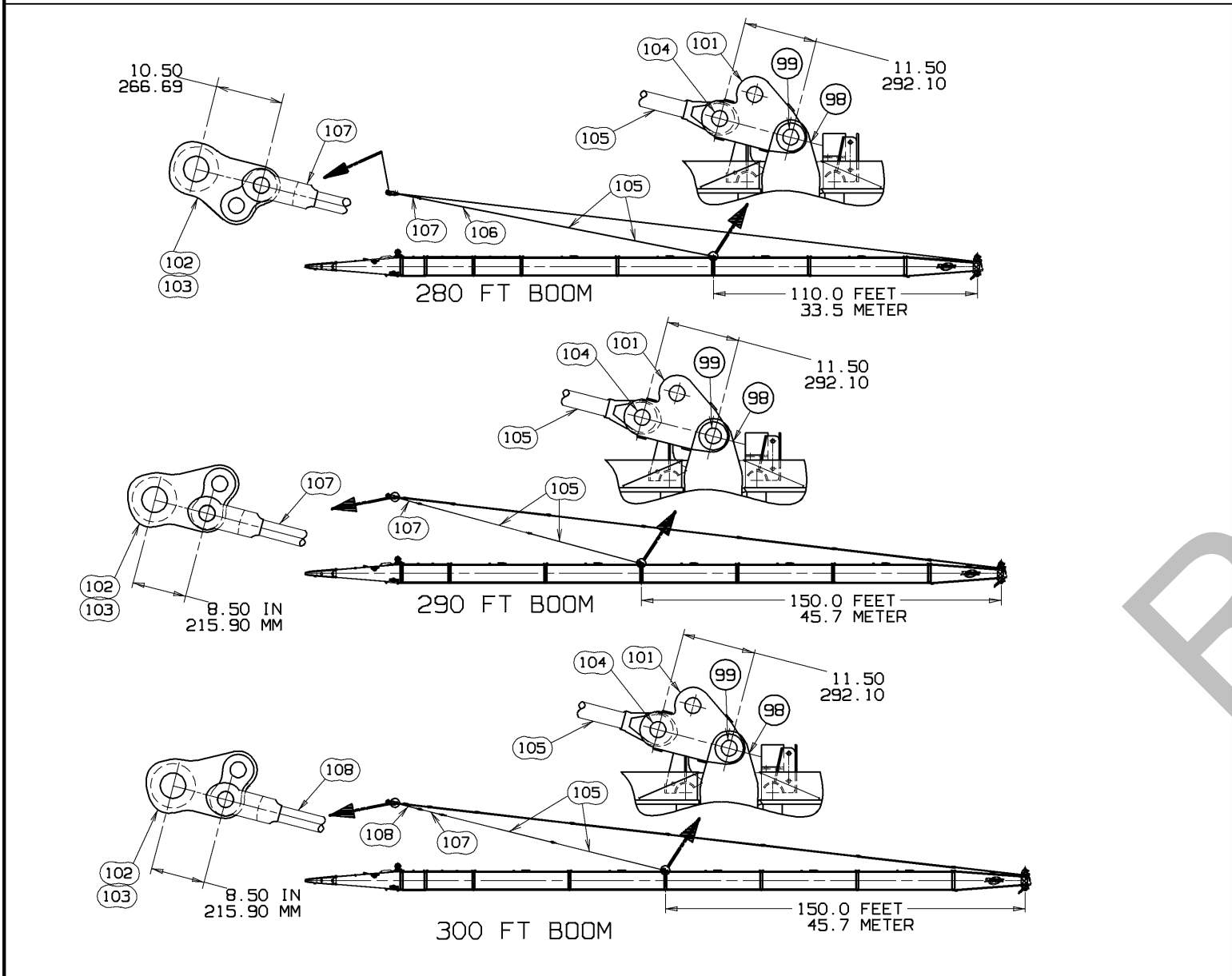


ADDITIONAL PARTS REQ'D. FOR VARIOUS BOOM LENGTHS

DWG. NO.	37	47	77	57	67	33	43	53.63 OR 73	31, 41, 51, 61 OR 71	32, 42, 52, 62 OR 72	34, 44, 54, 64 OR 74	35, 45, 55, 65 OR 75	36, 46, 56, 66 OR 76	38, 48, 58, 68 OR 78	117
BOOM LENGTH	10 FT 3.05m INSERT	20 FT 6.10m INSERT	40 FT 12.19m HEAVY INSERT	40 FT 12.19m INSERT	40 FT 12.19m LIGHT INSERT	9 FT 4.75 (2.86M) STRAP	19 FT 4.75 (5.91M) STRAP	39 FT 4.75 (12.00M) STRAP	PIN	TIMBER	BOOM SUPPORT LINK	COLLAR	PIN	PIN	WIRE ROPE GUIDE INTERMEDIATE
FEET	METERS														
80	24.4	1	0	0	0	2	0	0	4	1	4	4	4	4	23
90	27.4	0	1	0	0	0	2	0	4	1	4	4	4	4	
100	30.5	1	1	0	0	2	2	0	8	2	8	8	8	8	
110	33.5	OR 0	2	0	0	0	4	0	8	2	8	8	8	8	0
		0	0	1	0	0	0	2	4	2	4	4	4	4	0
120	36.6	OR 1	2	0	0	2	4	0	12	3	12	12	12	12	1
		1	0	1	0	2	0	2	8	3	8	8	8	8	1
130	39.6	0	1	1	0	0	2	2	8	3	8	8	8	8	1
140	42.7	1	1	1	0	2	2	2	12	4	12	12	12	12	1
150	45.7	OR 0	2	1	0	0	4	2	12	4	12	12	12	12	1
		0	0	2	0	0	0	4	8	4	8	8	8	8	1
160	48.8	OR 1	2	1	0	2	4	2	16	5	16	16	16	16	2
		1	0	2	0	0	0	4	12	5	12	12	12	12	2
170	51.8	0	1	2	0	0	2	4	12	5	12	12	12	12	2
180	54.9	1	1	2	0	2	2	4	16	6	16	16	16	16	2
190	57.9	OR 0	2	2	0	0	4	4	16	6	16	16	16	16	2
		0	0	2	1	0	0	6	12	6	12	12	12	12	2
200	61.0	OR 1	2	2	0	2	4	4	20	7	20	20	20	20	3
		1	0	2	1	0	0	6	16	7	16	16	16	16	3
210	64.0	0	1	2	1	0	2	6	16	7	16	16	16	16	3
220	67.1	1	1	2	1	0	2	6	20	8	20	20	20	20	3
230	70.1	OR 0	2	2	1	0	4	6	20	8	20	20	20	20	3
		0	0	2	2	0	0	8	16	8	16	16	16	16	3
240	73.2	OR 1	2	2	1	0	2	6	24	9	24	24	24	24	4
		1	0	2	2	0	0	8	20	9	20	20	20	20	4
250	76.2	0	1	2	2	0	2	8	20	9	20	20	20	20	4
260	79.2	1	1	2	2	0	2	8	24	10	24	24	24	24	4
270	82.3	OR 0	2	2	2	0	4	8	24	10	24	24	24	24	4
		0	0	2	3	0	0	10	20	10	20	20	20	20	4
280	85.3	OR 1	2	2	1	1	2	8	28	11	28	28	28	28	23
		1	0	2	2	1	2	0	24	11	24	24	24	24	
290	88.4	0	1	2	2	1	0	2	10	24	24	24	24	24	
300	91.4	1	1	2	2	1	2	10	28	12	28	28	28	28	



ITEMS AND LOCATIONS REQUIRED FOR INTERMEDIATE SUSPENSION									
ITEM NO.	98	101	102 AND 103	105	106	107	108		
BOOM LENGTH	LOCATION FROM BOOM TOP	PINNING DIMENSION	PINNING DIMENSION	47 FT 6.00 (14.48M) PENDANT	29 FT 5.00 (8.97M) PENDANT	9 FT 9.00 (2.97M) PENDANT	9 FT 9.00 (2.97M) PENDANT		
FEET	METERS	FEET	METERS	INCH	MILLIMETER	INCH	MILLIMETER		
280	85.3	110	33.5	11.50	292	10.50	267	4	2
290	88.4	150	47.7	11.50	292	8.50	216	4	0
300	91.4	150	47.7	11.50	292	8.50	216	4	2

BOOM HANDLING INSTRUCTIONS			
TRAVEL SPEED NOT TO EXCEED 1/2 MPH (.80 km/h) BOOM ANGLE AT 10° OR LESS.			
GANTRY POSITION	MAX. LENGTH OF BOOM HANDLED	BOOM MAKE UP	BOOM CONDITIONS OR LIMITATIONS
DOWN	FEET	METERS	EQUALIZER PINNED TO RAILS
	40	12.19	
UP	120	36.6	EQUALIZER PINNED TO RAILS. CAN CANTILEVER 80 FT. (24.4 M) OF INSERTS.

DO NOT SCALE THIS DRAWING

- 1.125 (29mm) WIRE ROPE.
- ON DWG. A02308, GANTRY TIE DOWN PENDANT.
- OPTIONAL 40 FT. (12.19 M) BUTT (ITEM 30) REPLACES THE COMBINATION OF BUTT SECTIONS (ITEM 27 & 28). ONE PIECE BUTT CANNOT BE USED WITH SELF-ERECT.
- REQUIRED FOR LUFFING JIB AND RIGGING WINCH.
- IF MACHINE IS EQUIPPED WITH #132 JIB ASSEMBLY, LINKS (ITEM 98) AND PINS (ITEM 96, 97 AND 99) FROM JIB ASSEMBLY MAY BE USED.
- BOOM BUTT HANDLING:
USED WITH 2-PIECE BOOM BUTT ONLY. MAX. COMBINATION THAT CAN BE HANDLED WITH CYLINDER (ITEM 94 OR 95) IS: BUTT SECTIONS (ITEM 27 & 28); ROPE GUIDES (ITEM 24, 84 AND 133); RIGGING WINCH (ITEM 134); EQUALIZER (ITEM 18); BOOM STOPS (ITEM 6). AND 2 PARTS OF 1.125 (29mm) WIRE ROPE. (FOR EQUALIZER HANDLING.) CYLINDER MUST BE FULLY RETRACTED FOR CRANE OPERATION.
- INSTALL 2 BUSHINGS (ITEM 87) (1 EACH SIDE) IN LOWER PIN EYE AND 2 (1 EACH SIDE) IN UPPER PIN EYE OF CYLINDER (ITEM 94 OR 95). BUSHINGS TO BE FLUSH WITH OUTSIDE FACE OF PIN EYE.
- FOR BOOM LENGTHS OF 250 FT. (76.2 M) THRU 300 FT. (91.4 M), ONLY THE BOTTOM MIDDLE 3 SHEAVES ARE TO BE USED. REMOVE THE LEFT AND RIGHT SHEAVE CLUSTERS AND REPLACE WITH THE SPACER CALLED FOR ON THE ASSEMBLY.
- PIN IN PLACE ONLY DURING EQUALIZER RELOCATION FROM GANTRY STORAGE TO BOOM BUTT EQUALIZER RAIL. PIN TO BE STOWED FOR NORMAL CRANE OPERATION.
- REMOVE WHEN JIB IS USED.
- ~~USE LOCTITE #242 OR EQUIVALENT ON MOUNTING SCREW THREADS AT ASSEMBLY.~~
- BOSS ON LINK (ITEM 98) MUST ALWAYS BE TO THE OUTSIDE OF THE BOOM. SEE VIEW "B".
- (12 FT.)-(3.66 M)
- (28 FT.)-(8.53 M)
- ON DRAWING 76280.
- SAME AS MODIFICATION #421309 WITH #421315.
- SAME AS MODIFICATION #421321.
- SAME AS MODIFICATION #421322.
- SAME AS MODIFICATION #421323.
- SAME AS MODIFICATION #421324.
- ATTACH TIMBERS SO THEY ARE FREE TO SLIDE UNDER THERMAL EXPANSION/CONTRACTION OF PLASTIC.
- REQUIRES MODIFICATION DRAWING 417386.
- MINIMUM BOOM LENGTH OF 110 FT. REQUIRED WHEN USING AUXILIARY WINCH RIGGED BELOW BOOM.
MAX LENGTH 270 FT. FOR AUXILIARY DRUM RIGGING BELOW BOOM.
- 40 FT. MAXIMUM COMBINED INSERT LENGTH BETWEEN INTERMEDIATE ROPE GUIDES.
- USE ONLY WITH ROPE MANUFACTURE'S APPROVAL FOR USE WITH BLOCK MCC #237087.
- REQUIRES MODIFICATION DWG. A03377

2582-0070 FOR MACHINES W/SELF-ERECT

812	PIN	139128	9
824	KEEPER	164479	
831	LINK	171522	
841	WIRE ROPE GUIDE ASSY CRAW. HANDLING	171621	
852	PIN	172111	
861	PIN	172112	
874	BUSHING	A04261	7
88			
89			
90			
91			
92			
93			

2582-0072 SELF-ERECT BOOM BUTT HANDLING CYLINDER-SEITZ

941	CYLINDER	385413	6
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2582-0074 SELF-ERECT BOOM BUTT HANDLING CYLINDER-HYCO

951	CYLINDER	385630	6
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2582-0080 FOR INTERMEDIATE SUSPENSION

982	PIN	75465	5
972	PIN	170844	5
982	LINK	171761	5,12
992	PIN	171870	5

2582-0090 PENDANT FOR INTERMEDIATE SUSPENSION 300 FT BOOM

1082	PENDANT - 9FT 9.00 (2.97M)	277466	15
109			
110			
111			
112			
113			
114			
115			

OPTIONAL AUXILIARY WINCH RIGGING BELOW BOOM

1161	WIRE ROPE GUIDE ASS'Y. (BOOM TOP)	195898	22
1171	WIRE ROPE GUIDE ASS'Y. (INTERMEDIATE)	195960	24
1181	WIRE ROPE GUIDE ASS'Y. (BOOM BUTT)	195993	
119			
120			
121			
122			
123			
124			
125			
126			
127			
128			

OPTIONAL PARTS

129			
130			
1311	BOOM POINT ASSEMBLY (UPPER)	170419	110
1321	BOOM ASSEMBLY LADDER STORAGE	192795	
1331	WIRE ROPE GUIDE ASSEMBLY	172559	4
1341	RIGGING WINCH ASSEMBLY	172577	
1351	SWIVEL ASSEMBLY	196065	25

OPTIONAL PARTS

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130			
1311	BOOM POINT ASSEMBLY (UPPER)	170419	110
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1331	WIRE ROPE GUIDE ASSEMBLY	172559	4
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BILL OF MATERIAL

2582-0000 BASIC BOOM 70 FT. (21.3M)					
1	2	SIGN BOOM MANITOWOC	81008829		
2	6	PIN	78292		
3	AS 60	WASHERS	137502		
4	2	PIN	160720		
5	1	BOOM ANGLE INDICATOR ASSEMBLY	168779		REVISIONS
6	1	BOOM STOP ASSEMBLY	170474		4-17-03 BMB A WAS 290026 02-05-10 JAS B WAS A02735 C DLE ADDED 05-29-11 RDA F WAS 172478 G H I ADDED K REMOVED NOTE
7					
8					
9	1	BOOM POINT SHAFT ASSEMBLY (LOWER)	172960	1,8	
10					
11	2	TIMBER	178905	21	