

INSERT ASSY'S REQ'D. FOR VARIOUS BOOM LENGTHS

ITEM NO.		5	6	7	R25
BOOM LENGTH		10 FT 3.05 M INSERT ASSEMBLY	20 FT 6.10 M INSERT ASSEMBLY	40 FT 12.19 M INSERT ASSEMBLY	LINK
FEET	METERS				
50	15.2	0	0	0	1
60	18.3	1	0	0	1
70	21.3	0	1	0	1
80	24.4	1	1	0	0
90	27.4	0	0	1	0
100	30.5	1	0	1	0
110	33.5	0	1	1	0
120	36.6	1	1	1	0
130	39.6	0	0	2	0
140	42.7	1	0	2	0
150	45.7	0	1	2	0
160	48.8	1	1	2	0
170	51.8	0	0	3	0
180	54.9	1	0	3	0
190	57.9	0	1	3	0
200	61.0	1	1	3	0

OPTION 5 (36mm WIRE ROPE)		
R85	1 STEEL WASHER .125	012535
R86	1 WEDGE 1.50 DIA ROPE	015828
R87	1 OPEN WEDGE SOCKET 1.50 DIA ROPE	015865
R88	1 CLIP 1.50 WIRE ROPE	349295
R89	2 SPACER TUBE 9.00 OD X 8.00 ID	A02829
R104	2 SHEAVE WIRE ROPE ASSY 36mm ROPE	A10350
5980-4000 OPTIONAL ASSEMBLY LIST		
10	1 UPPER BOOM POINT ASSEMBLY	A00145
11	1 DRUM SHAFT ASSEMBLY, AUXILIARY	A00146
12	1 GUIDE ASSEMBLY	A00968
13	1 BOOM SUPPORT ASSEMBLY	A00775

OPTION 3 (32mm WIRE ROPE)		
R79	1 OPEN WEDGE SOCKET 1.25&1.375 DIA	165551
R80	1 WEDGE 1.25 DIA ROPE	165588
R81	1 PIN COTTER 1 HOLE W/HD 2.00 DIA	171214
R82	1 CLIP 1.25 WIRE ROPE	349233
R83	1 PIN COTTER .375 X 3.50	562151
R62	2 SHEAVE WIRE ROPE ASSY 1.25 ROPE	A00493
R84	1 LINK #83 BOOM 32 MM ROPE	A02773
R89	2 SPACER TUBE 9.00 OD X 8.00 ID	A02829
OPTION 4 (34mm WIRE ROPE)		
R79	1 OPEN WEDGE SOCKET 1.25&1.375 DIA	165551
R105	1 WEDGE 1.375 DIA ROPE	165550
R81	1 PIN COTTER 1 HOLE W/HD 2.00 DIA	171214
R106	1 CLIP 1.375 WIRE ROPE	349294
R83	1 PIN COTTER .375 X 3.50	562151
R84	1 LINK #83 BOOM 32 MM ROPE	A02773
R89	2 SPACER TUBE 9.00 OD X 8.00 ID	A02829
R103	2 SHEAVE WIRE ROPE ASSY 34mm ROPE	A10351

5980-2030 25 FT (7.62M) TRAN INSERT ASSY		
8	1 TRANSITION INSERT ASSEMBLY #83	A00143
R38	1 BEARING LOCKWASHER	225100
R39	2 BEARING LOCKNUT	A01427
R32	4 BOLT CARRIAGE .625	244134
R40	20 SCREW MACHINE 5/16-18 X 1-1/4	254555
R41	20 NUT HEX .3125-18 ZC	546053
R5	8 NUT HEX .625-11	546058
R42	4 NUT HEX JAM 2-12	546281
R27	4 PIN COTTER .250 X 1.50	562105
R43	4 PIN COTTER .250 X 1.75	562108
R28	8 PIN COTTER .375 X 4.00	562152
R8	4 PIN COTTER .500 X 4.00	562172
R9	2 PIN SNAP .25 DIA X 1.75	563823
R44	4 SCREW CAP HEX HEAD .625	612691
R45	8 SCREW CAP HEX HEAD .875	613947
R46	20 WASHER LOCK .3125	710303
R17	4 WASHER LOCK .625	710307
R47	1 INSERT TRANSITION 25 FT #83	A00144
R30	4 PIN COTTER 2 HOLE 2.75 DIA X 7.75	A00158
R48	1 GUARD WIRE ROPE	A00490
R49	1 SLEEVE 9.00 OD X 6.25 ID	A00491
R50	1 SHAFT 6.75 OD X 4.75 ID X 30.00	A00494
R51	4 LOCK PLATE	A00495
R52	4 SLEEVE TAPER PIN	A00496
R53	4 CLAMP	A00497
R54	4 PIN THREADED 3.50 DIA X 6.88	A00498
R55	1 PIN 2 HOLE 1.00 OD X 11.00	A00523
R56	2 PIN 2 HOLE .75 DIA X 6.50	A00524
R57	1 TIMBER 4.00 X 3.00 X 68.00	A00525
R58	4 PLATE KEEPER .50 THK	A00526
R59	2 PENDANT	A01867
R60	2 PIN COTTER 2 HOLE 2.75 DIA X 7.25	A02141
R61	2 SIGN BOOM MANITOWOC	81008829
R31	2 PIN COTTER 2 HOLE .75 DIA X 10.25	A02757
R90	4 NUT LOCK NE 0.625-11	548345
R91	4 WASHER FLAT 0.625,0.108 ZC	709480

5980-2040 OPTION 1 (32mm WIRE ROPE)		
R62	2 SHEAVE WIRE ROPE ASSY 1.25 ROPE	A00493
R89	2 SPACER TUBE 9.00 OD X 8.00 ID	A02829
5980-2050 OPTION 2 (32mm WIRE ROPE)		
R64	1 SHEAVE WIRE ROPE ASSY 1.25 ROPE	631524
R62	2 SHEAVE WIRE ROPE ASSY 1.25 ROPE	A00493
5980-2060 OPTION 3 (38mm WIRE ROPE)		
R65	2 SHEAVE WIRE ROPE ASSY 1.50 ROPE	A00492
R89	2 SPACER TUBE 9.00 OD X 8.00 ID	A02829
5980-2070 OPTION 4 (38mm WIRE ROPE)		
R64	1 SHEAVE WIRE ROPE ASSY 1.25 ROPE	631524
R65	2 SHEAVE WIRE ROPE ASSY 1.50 ROPE	A00492

OPTION 5 (34mm WIRE ROPE)		
R89	2 SPACER TUBE 9.00 OD X 8.00 ID	A02829
R103	2 SHEAVE WIRE ROPE ASSY 34mm ROPE	A10351
OPTION 6 (34mm WIRE ROPE)		
R64	1 SHEAVE WIRE ROPE ASSY 1.25 ROPE	631524
R103	2 SHEAVE WIRE ROPE ASSY 34mm ROPE	A10351
OPTION 7 (36mm WIRE ROPE)		
R89	2 SPACER TUBE 9.00 OD X 8.00 ID	A02829
R104	2 SHEAVE WIRE ROPE ASSY 36mm ROPE	A10350
OPTION 8 (36mm WIRE ROPE)		
R64	1 SHEAVE WIRE ROPE ASSY 1.25 ROPE	631524
R104	2 SHEAVE WIRE ROPE ASSY 36mm ROPE	A10350
OPTION 9 (TIMBERS FOR DUTY CYCLE)		
R98	4 TIMBER	193273
R99	12 NUT LOCK NE .4375-14	548352
R100	16 WASHER FLAT .4375	709746
R101	16 SCREW CAP HEX HEAD .4375	A10539
R102	8 CLAMP TUBE 2.75	A10540

5980-3000 3 FT (0.91M) TOP ASSEMBLY		
9	1 TOP 3 FT ASSEMBLY	A00141
R66	1 PIN COTTER 1 HOLE W/HD 3.00 DIA	163064
R38	1 BEARING LOCKWASHER	225100
R39	2 BEARING LOCKNUT	225101
R67	1 PIN COTTER .50 X 4.50	562174
R83	4 PIN COTTER .375 X 3.50	562151
R69	1 PIN HITCH .375 DIA	563822
R70	4 SCREW CAP HEX HEAD .875	612768
R71	4 WASHER LOCK .875	710309
R72	1 TOP 3FT MACHINING	A01814
R73	2 PIN COTTER 2 HOLE 2.00 DIA	A02145
R74	1 SHAFT 8.00 DIA X 34.88	A02146
R75	2 SPACER TUBE 8.755 OD X 8.00 ID	A02738
R76	2 PLATE KEEPER .625 THK	A02739
R77	1 PIN COTTER 1 HOLE W/HD 2.28 DIA	A02766
R78	1 LINK #83 BOOM 38 MM ROPE	A02772

5980-3010 OPTION 1 (32mm WIRE ROPE)		
R79	1 OPEN WEDGE SOCKET 1.25&1.375 DIA	165551
R80	1 WEDGE 1.25 DIA ROPE	165588
R81	1 PIN COTTER 1 HOLE W/HD 2.00 DIA	171214
R82	1 CLIP 1.25 WIRE ROPE	349233
R83	1 PIN COTTER .375 X 3.50	562151
R62	3 SHEAVE WIRE ROPE ASSY 1.25 ROPE	A00493
R84	1 LINK #83 BOOM 32 MM ROPE	A02773
5980-3020 OPTION 2 (38mm WIRE ROPE)		
R85	1 STEEL WASHER .125	012535
R86	1 WEDGE 1.50 DIA ROPE	015828
R87	1 OPEN WEDGE SOCKET 1.50 DIA ROPE	015865
R88	1 CLIP 1.50 WIRE ROPE	349295
R65	2 SHEAVE WIRE ROPE ASSY 1.50 ROPE	A00492
R89	2 SPACER TUBE 9.00 OD X 8.00 ID	A02829

5980-3030 OPTION 1 (32mm WIRE ROPE)		
R79	1 OPEN WEDGE SOCKET 1.25&1.375 DIA	165551
R80	1 WEDGE 1.25 DIA ROPE	165588
R81	1 PIN COTTER 1 HOLE W/HD 2.00 DIA	171214
R82	1 CLIP 1.25 WIRE ROPE	349233
R83	1 PIN COTTER .375 X 3.50	562151
R62	3 SHEAVE WIRE ROPE ASSY 1.25 ROPE	A00493
R84	1 LINK #83 BOOM 32 MM ROPE	A02773
5980-3040 OPTION 2 (38mm WIRE ROPE)		
R85	1 STEEL WASHER .125	012535
R86	1 WEDGE 1.50 DIA ROPE	015828
R87	1 OPEN WEDGE SOCKET 1.50 DIA ROPE	015865
R88	1 CLIP 1.50 WIRE ROPE	349295
R65	2 SHEAVE WIRE ROPE ASSY 1.50 ROPE	A00492
R89	2 SPACER TUBE 9.00 OD X 8.00 ID	A02829

BILL OF MATERIAL

ITEM NO.	QTY	DESCRIPTION	UNIT	MATERIAL	QTY	UNIT	ASSEMBLY
5980-0000 BOOM RIGGING ASSEMBLY							
1	1	MAST ASSEMBLY		A00009			
2							
3							
5980-1000 BOOM BUTT ASSEMBLY							
4	1	BUTT 22 FT ASSEMBLY BOOM		A00139			
R1	2	PIN COTTER 2 HOLE 2.75 DIA X 6.50		167075			
R2	1	BOOM ANGLE INDICATOR ASSY		168779			
R3	2	PIN COTTER 1 HOLE W/HD		172415			
R4	7	NUT HEX .375		546054			
R5	16	NUT HEX .625		546058			
R6	2	NUT LOCK NE .5-13		548344			
R7	2	PAD BEARING 3.00 X 3.00 X 1.00		554175			
R8	8	PIN COTTER .50 X 4.00		562172			
R9	2	PIN SNAP .25 DIA		563823			
R10	4	SCREW CAP HEX HEAD .375		612454			
R11	14	SCREW CAP HEX HEAD .625		612661			
R12	2	SCREW CAP HEX HEAD .625		612663			
R13	2	SCREW CAP SOCKET FLAT HEAD		614003			
R14	4	WASHER FLAT .375		709703			
R15	16	WASHER FLAT .625		709747			
R16	7	WASHER LOCK .375		710304			
R17	16	WASHER LOCK .625		710307			
R18	3	SCREW CAP SOCKET BUTTON HEAD .375		970491			
R19	1	BUTT 22 FT #83 BOOM		A00140			
R20	2	BOOM STOP ASSEMBLY #83 BOOM		A00149			
R21	1	LACING REMOVABLE		A00796			
R22	1	FLOOR ASSEMBLY RIGHT PANEL		A00853			
R23	1	FLOOR ASSEMBLY TOP PANEL		A00854			
R24	1	FLOOR ASSEMBLY LEFT PANEL		A00855			
R25	2	LINK		A03459			
R92	2	LINK BOOM HANDLING		A08027			
R93	2	PIN COTTER 2 HOLE 2.75 DIA X 3.75		A08032			

OPTION 1 (WIRE ROPE GUARD)							
R94	4	BOLT CARRIAGE .625-11		244136			
R5	8	NUT HEX .625		546058			
R12	4	SCREW CAP HEX HEAD .625		612663			
R15	8	WASHER FLAT .625		709747			
R17	8	WASHER LOCK .625		710307			
R95	2	GUARD WIRE ROPE ASSEMBLY		A08064			
R96	1	TIMBER		A08174			
R97	2	PLATE .25		A08188			

5980-2000 10 FT (3.05M) INSERT ASSEMBLY							
5		INSERT 10 FT ASSEMBLY #83		A00135			
R26	2	PENDANT		277382			
R27	4	PIN COTTER .25 X 1.50		562105			
R28	8	PIN COTTER .375 X 4.00		562152			
R29	1	INSERT 10FT #83		A00136			
R30	4	PIN 2 HOLE 2.75 DIA X 7.75		A00158			
R31	2	PIN 2 HOLE .75 DIA X 10.25		A02757			

OPTION 1 (TIMBERS FOR DUTY CYCLE)							
R98	2	TIMBER		193273			
R99	8	NUT LOCK NE .4375-14		548352			
R100	16	WASHER FLAT .4375		709746			
R101	8	SCREW CAP HEX HEAD .4375		A10539			
R102	4	CLAMP TUBE 2.75		A10540			

5980-2010 20 FT (6.10M) INSERT ASSEMBLY							
6		INSERT 20 FT ASSEMBLY #83		A00133			
R32	4	BOLT CARRIAGE .625-11		244134			
R33	2	PENDANT		277383			
R90	4	NUT LOCK NE 0.625-11		548345			
R27	4	PIN COTTER .250 X 1.50		562105			
R28	8	PIN COTTER .375 X 4.00		562152			
R91	4	WASHER FLAT 0.625,0.108 ZC		709480			
R34	1	INSERT 20FT. #83		A00134			
R30	4	PIN COTTER 2 HOLE 2.75 X 7.75		A00158			
R35	1	TIMBER 4.00 X 3.0 X 75.00 LG		A00194			
R31	2	PIN 2 HOLE .75 DIA X 10.25 LG		A02757			

OPTION 1 (TIMBERS FOR DUTY CYCLE)							
R98	3	TIMBER		193273			
R99	12	NUT LOCK NE .4375-14		548352			
R100	24	WASHER FLAT .4375		709746			
R101	12	SCREW CAP HEX HEAD .4375		A10539			
R102	6	CLAMP TUBE 2.75		A10540			

					PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 620010104.F02	
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REVISIONS
06-02-04 RV
A REPOSITIONED
BOOM HANDLING
PENDANT ON
BOOM BUTT.
06-08-10 JAS
UPDATED BOOM
SIGN

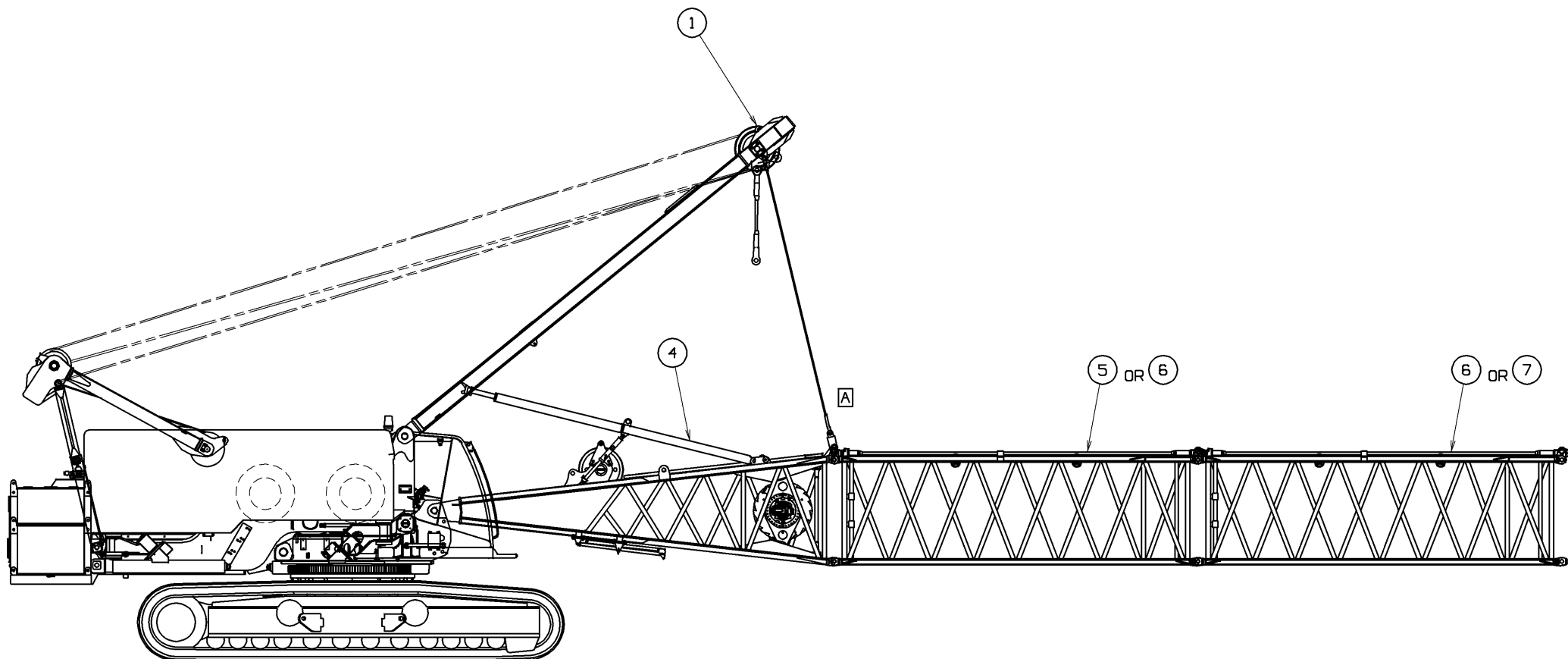
DWG. NO.
A00005
SHT 3 OF 3

PRIVATE LABELING
REQUIREMENT TO
CONFORM TO
ENGINEERING
SPECIFICATION
6629103794 FOR
COMPONENTS LISTED
IN 605200-06-026

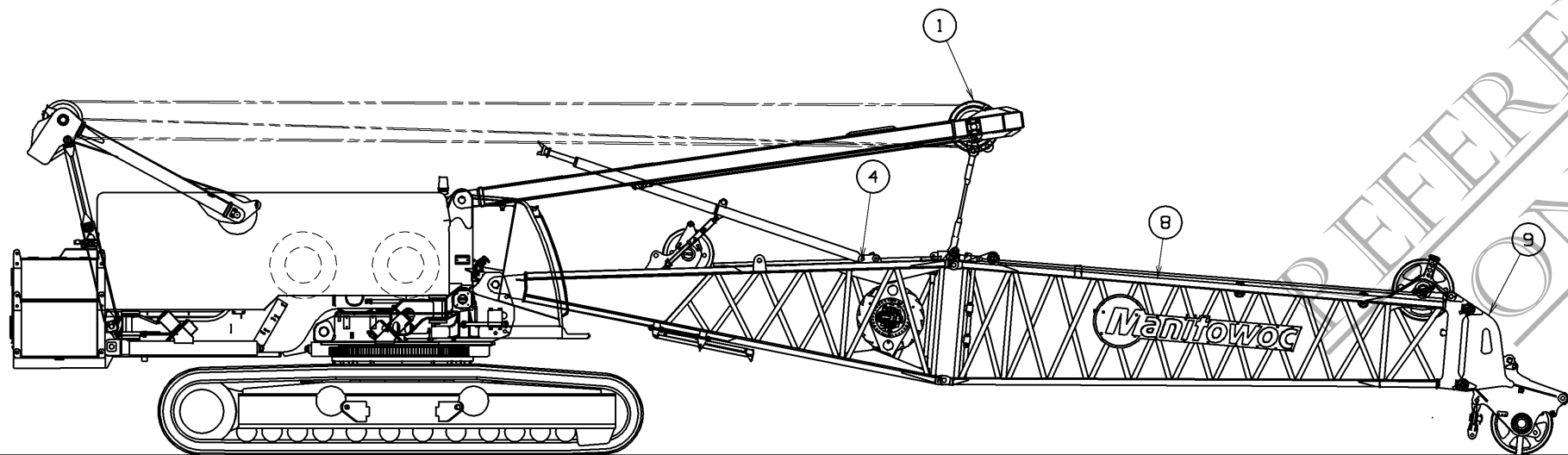
DATE
07-03-02
PATTERN NO.

DWG. NO.
A00005
SHT 3 OF 3

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)	0	0	1
50 FT. (15.2 M)	1	0	1
60 FT. (18.3 M)	0	1	1
70 FT. (21.3 M)	1	1	1
80 FT. (24.4 M)	0	0	2



BOOM HANDLING WITH MAST



CONNECTING OR DISCONNECTING
MAST AND INSERT PENDANTS