15° JIB ANGLE

25° JIB ANGLE

VIEW C

SECTION A-A

REQUIRED FOR VARIOUS JIB LENGTHS (5)											
ITEM NO.		100	101	102	103	104	105	106	107	108	109
JIB LENGTH		INSERT 10 FT-00 (3.05 M) ASSY	INSERT 20 FT-00 (6.10 M) ASSY	PENDANT 9 FT-6.00 (2.89 M)	PENDANT 19 FT-00 (5.79 M)	PIN JIB JOINT	PIN COTTER	TIMBER	HHCS	HEX LOCK NUT	WASHER FLAT
FEET	METERS										
30	9.14	0	0	0	0	4	4	1	4	4	8
40	12.19	1	0	2	0	8	8	2	8	8	16
50	15.24	OR 2	0	4	0	12	12	3	12	12	24
		0	1	0	2	8	8				
60	18.29	OR 1	1	2	2	12	12	4	16	16	32
		3	0	6	0	16	16				
70	21.33	OR 0	2	0	4	12	12	5	20	20	40
		2	1	4	2	16	16				
80	24.38	OR 1	2	2	4	16	16	6	24	24	48
		3	1	6	2	20	20				

REQUIRED FOR VARIOUS JIB ANGLES				
ITEM NO.	202	200	201	203
JIB ANGLE	PENDANT 4 FT-8.00 (1.42) M	LINK	PIN	PIN COTTER
5°	0	0	2	6
15°	0	2	4	8
25°	2	0	2	6

SECTION D-D

SECTION B-B

SHIPPING CONFIGURATION
SCALE: .38"=1FT

VIEW OF 40 FT JIB WITH WIRE ROPE TIMBER

VIEW G-G
SCALE: 0.75=1FT

VIEW H-H
SCALE: 4=1FT

VIEW E-E
SCALE: 1.50=1FT

VIEW F-F
SCALE: 1.50=1FT

30 FT. (9.15M) JIB WITH
5° JIB ANGLE SHOWN
BOOM 78 SEE (1)

BILL OF MATERIAL						
ITEM NO.	NO. REQD	REVISION	DESCRIPTION	LENGTH IN	MATERIAL	CODE NO. OR DWG. NO.
			7785-0000 #134 JIB ASSEMBLY			
1						
2	2		KEEPER			169810
3	2		PIN			170851
4	1		JIB TOP 15 FT-0 (4.57 M)			A01810 6
5	1		STRUT 12 FT-6 (3.81 M)			A01797 7
6	1		JIB BUTT 15 FT-0 (4.57 M)			177054
7	1		SHEAVE ASSEMBLY			176799
8	2		PIN			75052
9	1		PIN			177219
10						
11	1		UNIVERSAL WIRE ROPE ANCHOR JOINT			90317
12	1		JIB POINT SHAFT ASSEMBLY			90318
13	1		GUARD WIRE ROPE			A02066 7
14	2		PENDANT 44 FT-7 (13.59 M)			277432 3
15	2		LINK			177295
16	1		LINK			177296
17	2		LINK			177297
18	2		PIN COTTER .31 X 3.00			562130
19	2		LINK			177299
20	1		SPREADER			177300
21	4		PIN, SAFTY SNAP, .25 DIA.			563823 6,7
22			PIN COTTER .38 X 3.00			562150
23	2		PIN			73045
24	2		PIN			177397
25	2		PENDANT 30 FT-9.00 (9.37 M)			277430 2
26	2		RUBBER BUMPER			285220
27	1		GUARD WIRE ROPE			A02370 6
28	4		SCR HEX .375-16UNC-2A X 1.25 GR5			612456
29	4		NUT HEX .375-16 UNC-2B			546054
30	4		LOCKWASHER .375			710304
31	2		CLAMP			177473 4
32	1		JIB STOP ASSEMBLY			179332
33						
34	2		PIN			177301
35	4		PIN COTTER .38 X 4.00			562152
36	2		PIN			177303
37	4		PIN COTTER .38 X 5.00			562154
38						
39	2		PIN FOR PENDANT			564097 12
40						
			NO. REQD FOR THE FOLLOWING ITEMS ARE IN JIB LENGTH TABLE			
100			INSERT 10 FT #123, TUBULAR JIB			32938 10
101			INSERT 20 FT #123, TUBULAR JIB			176938 11
102			PENDANT 9 FT-6.00 (2.89 M)			276729 2
103			PENDANT 19 FT-0.00 (5.79 M)			277422 2
104			PIN 1 HOLE W/HD 1.38 DIA X 2.48 LG			76225
105			PIN COTTER .38 DIA X 6.00			562158
106			TIMBER 27.00 LG X 3.50 W			810176713
A 107			HHCS 5/8-11UNC X 5.00 GR 5			612685
108			HEX LOCK NUT 5/8-11UNC Gr5.2			7660201601
109			WASHER FLAT .625			709747
110						
111						
112						
			NO. REQD FOR THE FOLLOWING ITEMS ARE IN JIB ANGLE TABLE			
200			LINK			177298
201			PIN 1 HOLE W/HD 2.25 X 3.17 LG			177302
202			PENDANT 4 FT-8.00 (1.42 M)			277431 2
203			PIN COTTER .38 X 3.50			562151

ASSEMBLIES USED ON

REVISIONS
A 10-18-11 RDA WAS 7115204050

1. MINIMUM BOOM LENGTH REQ'D. FOR JIB:
   90 FT FOR BOOM NO. 78
   100 FT FOR BOOM NO. 78T
2. ON DWG. 74958
3. ON DWG. 139117
4. REQ'D. FOR JIB TOPS NOT EQUIPPED WITH TIMBER MOUNTING BRACKETS.
5. INSERTS AND CORRESPONDING PENDANTS MUST BE INSTALLED IN ORDER OF ASCENDING LENGTH STARTING AT JIB BUTT.
6. TOP 32948 CAN BE USED IN PLACE OF TOP A01810, GUARD WIRE ROPE A02370 AND PIN SNAP 563823. USE OF 32948 REQUIRES THAT THE WEDGE SOCKET BE REMOVED FROM THE LOAD LINE TO REEVE.
7. STRUT 177131 CAN BE USED IN PLACE OF STRUT A01797, GUARD WIRE ROPE A02066 AND PIN SNAP 563823. USE OF 177131 REQUIRES THAT THE WEDGE SOCKET BE REMOVED FROM THE LOADLINE TO REEVE.
8. JIB TOP 15 FT WELDMENT I.D. TAG #A01810.
9. JIB BUTT 15 FT WELDMENT I.D. TAG #177054.
10. JIB INSERT 10 FT WELDMENT I.D. TAG #32938.
11. JIB INSERT 20 FT WELDMENT I.D. TAG #176938.
12. THESE ARE EXTRA PEANDANT PINS IDENTICAL TO THE ONES THAT COME WITH THE PENDANT (277432). THEY ARE TO BE USED TO STOW THE SPREADER FRAMEWORK FOR SHIPPING.
13. ATTACH TIMBERS SO THEY ARE FREE TO SLIDE UNDER THERMAL EXPANSION/CONTRACTION OF PLASTIC

DWG. NO. 179331
SHT 1 OF 3

PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 6829103794 FOR COMPONENTS LISTED IN 6829500-05-035

DATE 09-23-11
PATTERN NO.

DWG. NO. 179331

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TOLERANCE UNLESS OTHERWISE SPECIFIED	FABRICATION		MACHINING
DECIMAL PLACES	< 10 FEET	> 10 FEET	
(1) PLACE 0.0	±.12	±.18	±.03
(2) PLACE 0.00	±.06	±.12	±.015
(3) PLACE 0.000			±.005
ANGLES	±1°30'		±0°30'

ALL MACHINING TOLERANCES APPLY TO THIS DIMENSION AND/OR SURFACE

SCALE .38=1FT
DR. RDA
CK. JAS
APP JAS

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin

MODEL 777, 777T

JIB ASSEMBLY
#134 JIB
FOR #78 BOOM

SUPERSEDES 179331 SHEET 1 OF 04-14-10

DO NOT SCALE THIS DRAWING

SHT 1 OF 3

REFERENCE ONLY!

REFERENCE ONLY!

BILL OF MATERIAL

ITEM NO. FROM	NO. PER POSITION	DESCRIPTION	LENGTH IN	MATERIAL	CODE NO. OR DWG. NO

ASSEMBLIES USED ON

REVISIONS

2-25-02 EDB
A ADDED VIEW
B ADDED VIEW
2-25-05 PMP
C CORRECTED VIEW C
04-14-10 JAS
UPDATED BOOM SIGN PICTURE
09-23-11 RDA
D HAS SHT 2 OF 2 UPDATED BALLOONS
E ADDED SHIPPING VIEW

DWG. NO. 179331
SHT 2 OF 3

PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 6929103794 FOR COMPONENTS LISTED IN 605500-05-035

DATE 5-05-99
PATTERN NO.

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TOLERANCE UNLESS OTHERWISE SPECIFIED

DECIMAL PLACES	FABRICATION ≤ 10 FEET	FABRICATION > 10 FEET	MACHINING
(1) PLACE 0.0	±.12	±.18	±.03
(2) PLACE 0.00	±.06	±.12	±.015
(3) PLACE 0.000			±.005
ANGLES	±1°30'		±0°30'

MACHINING TOLERANCE APPLIES TO ALL DIMENSIONS FOR THE MACHINED SURFACE

SCALE .38=1FT
DR. TWB
CK. TSC
MODEL 777T
APP TSC

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin

JIB ASSEMBLY
#134 JIB
FOR #78T BOOM

DWG. NO. 179331
SHT 2 OF 3

DO NOT SCALE THIS DRAWING

BILL OF MATERIAL						
ITEM NO.	NO. REQD	SEC-TION	DESCRIPTION	LENGTH IN	MATERIAL	CODE NO. OR DWG. NO.

ASSEMBLIES USED ON

REVISIONS

10-11-11 RTS
AJ CORRECTED
MODEL FIELD

DETAIL J
TYPICAL JIB JOINT PINS
SCALE:1.5=1FT

REFERENCE ONLY!

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TOLERANCE UNLESS OTHERWISE SPECIFIED			
DECIMAL PLACES	FABRICATION ≤ 10 FEET	FABRICATION > 10 FEET	MACHINING
(1) PLACE 0.0	±.12	±.18	±.03
(2) PLACE 0.00	±.06	±.12	±.015
(3) PLACE 0.000			±.005
ANGLES	±1°30'		±0°30'

MACHINING TOLERANCE APPLIES TO WELD DISTORTION AND/OR WARPAGE

SCALE .38=1FT
DR. RDA
CK. JAS
APP JAS

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin

MODEL 777, 777T

JIB ASSEMBLY
#134 JIB
FOR #78 AND #78T BOOM

DWG. NO. 179331
SHT 3 OF 3

PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 6829103794 FOR COMPONENTS LISTED IN GDS500-05-035

DATE 09-23-11

PATTERN NO.

DWG. NO. 179331
SHT 3 OF 3

DO NOT SCALE THIS DRAWING