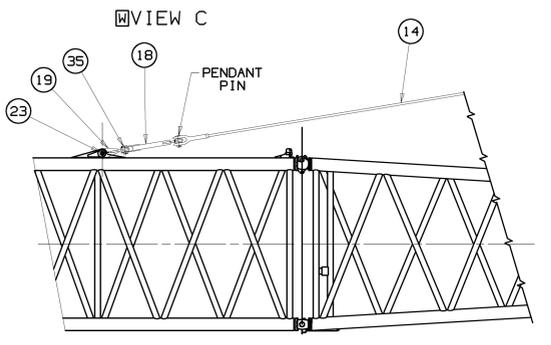
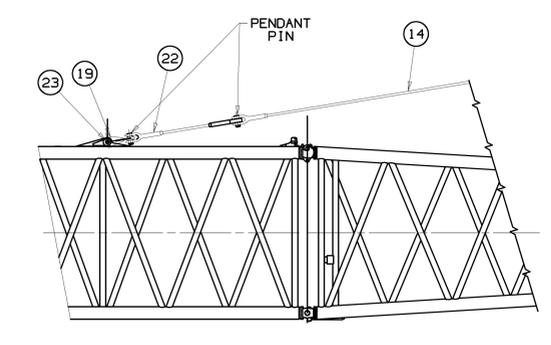


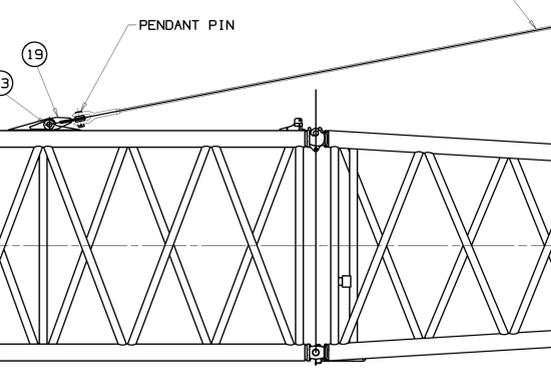
VIEW F-F
SCALE: 1.50=1FT



15° JIB ANGLE



25° JIB ANGLE

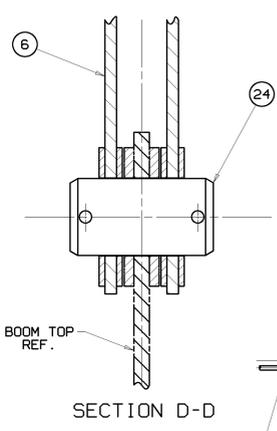


REQUIRED FOR VARIOUS JIB LENGTHS (S)

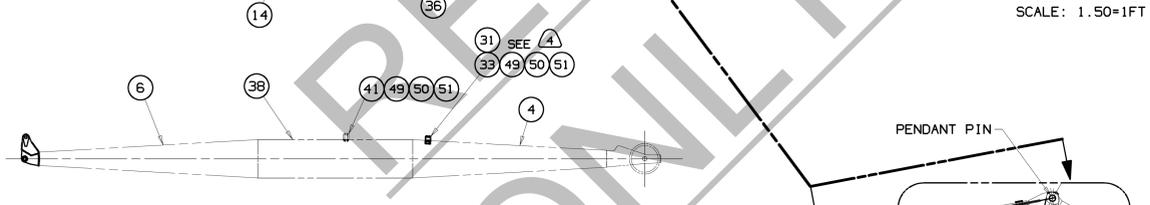
JIB LENGTH		DESCRIPTION									
FEET	METERS	INSERT 10 FT-00 (3.05 M) ITEM 38	INSERT 20 FT-00 (6.10 M) ITEM 45	PENDANT 9 FT-6.00 (2.89 M) ITEM 39	PENDANT 19 FT-00 (5.79 M) ITEM 46	PIN JIB JOINT ITEM 40 OR 47	TIMBER ITEM 41 OR 48	BOLT ITEM 42 OR 49	WASHER ITEM 43 OR 50	NUT ITEM 44 OR 51	
40	12.19	1	0	2	0	4	1	4	8	4	
50	15.24	OR 2	0	4	0	8	2	8	16	8	
60	18.29	OR 1	1	2	2	8	3	12	24	12	
70	21.33	OR 0	2	0	4	8	4	16	32	16	
80	24.38	OR 1	2	2	4	12	5	20	40	20	

REQUIRED FOR VARIOUS JIB ANGLES

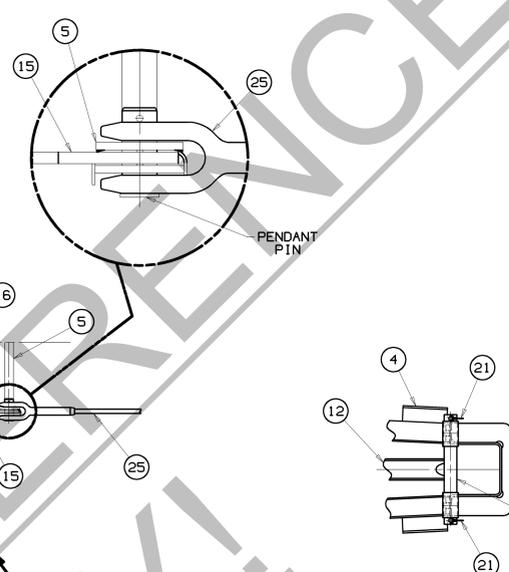
JIB ANGLE	PENDANT 44 FT-7.00 (13.59 M) ITEM 14	PENDANT 4 FT-9.00 (1.42 M) ITEM 22	LINK 28.00 (711 mm) ITEM 18	PIN ITEM 35
5°	2	0	0	0
15°	2	0	2	2
25°	2	2	0	0



SECTION D-D



VIEW OF 40 FT JIB WITH WIRE ROPE ROLLER GUIDE



VIEW E-E
SCALE: 1.50=1FT

OPTION 1 - WITH BUTTON SOCKET

100	3PIN COTTER .375 x 4.00	562152
101	2WASHER FLAT 2.25.0.193 PLN	709592
102	1PIN COTTER 2 HOLE 2.25 DIA X 3.84 LG	A07843
103	1UNIV WR ANCHOR JOINT ASSY #57 BOOM, 26MM ROPE	A09843
104	1SOCKET BUTTON 22-26MM (.88-1.00IN) WIRE ROPE	A11040
105	1UNIV WR ANCHOR JOINT ASSY #57 BOOM, 26MM ROPE	A11069
106	1WEIGHT BALL 594 KG, 59 MM DIA	A11661
107	1LOAD CELL LINK 35K WIRELESS	A09683
108	2PIN 1 HOLE W/HD 2.50 DIA X 4.38 LG	A08665
109	1LINK UNIV ANCHOR JOINT TO LOAD CELL	A17448

OPTION 2 - WITH WEDGE SOCKET

200	1WEDGE SOCKET FOR 1.125 DIA WIRE ROPE	075298
201	1PIN 1 HOLE W/HD 1.88 DIA X 3.84 LG	075368
202	1WEDGE	075447
203	1CLIP 1.00 WIRE ROPE	349291
204	1PIN COTTER .375 x 3.00	562150
205	3PIN COTTER .375 x 4.00	562152
206	2WASHER FLAT 2.25.0.193 PLN	709592
207	1PIN COTTER 2 HOLE 2.25 DIA X 3.84 LG	A07843
208	1UNIV WR ANCHOR JOINT ASSY #57 BOOM, 26MM ROPE	A11069
209	1UNIV WR ANCHOR JOINT ASSY #57 BOOM, 26MM ROPE	A11070
210	1WEIGHT BALL 594 KG, 59 MM DIA	A11661
211	1LOAD CELL LINK 35K WIRELESS	A09683
212	2PIN 1 HOLE W/HD 2.50 DIA X 4.38 LG	A08665
213	1LINK UNIV ANCHOR JOINT TO LOAD CELL	A17448

OPTION 3 - WITH TERMINATOR WEDGE SOCKET

300	3PIN COTTER .375 x 4.00	562152
301	1WEDGE SOCKET	646246
302	2WASHER FLAT 2.25.0.193 PLN	709592
303	1PIN COTTER 2 HOLE 2.25 DIA X 3.84 LG	A07843
304	1UNIV WR ANCHOR JOINT ASSY #57 BOOM, 26MM ROPE	A09843
305	1UNIV WR ANCHOR JOINT ASSY #57 BOOM, 26MM ROPE	A11069
306	1WEIGHT BALL 594 KG, 59 MM DIA	A11661
307	1LOAD CELL LINK 35K WIRELESS	A09683
308	2PIN 1 HOLE W/HD 2.50 DIA X 4.38 LG	A08665
309	1LINK UNIV ANCHOR JOINT TO LOAD CELL	A17448

OPTION 4 - WITH WIRELESS LOAD CELL LINK

400	1LOAD CELL LINK 35K WIRELESS	A09683
401	1PIN COTTER .375 x 4.00	562152
402	1PIN 1 HOLE W/HD 2.50 DIA X 4.38 LG	A08665

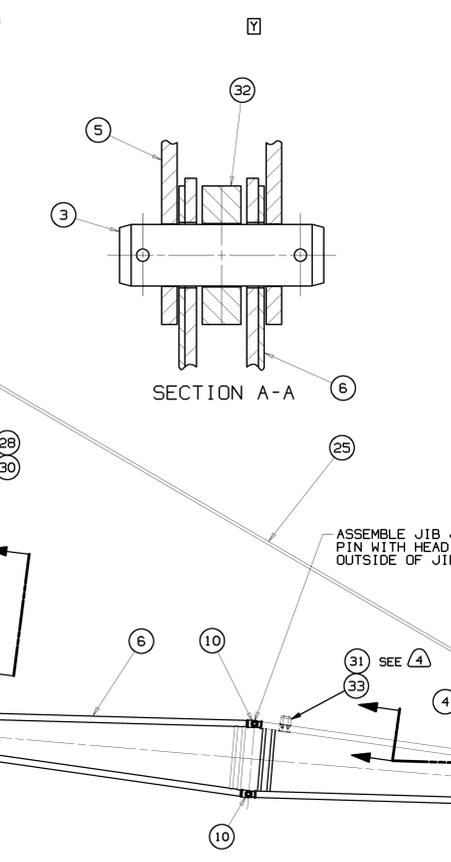
BILL OF MATERIAL

ITEM NO	QTY	DESCRIPTION	UOM	MATERIAL	QTY OF BOM NO	ASSEMBLY USED ON
4386-0000		#134 JIB ASSEMBLY				
1		2KEEPER			169810	
3		2PIN			170851	
4		1JIB TOP 15 FT-0 (4.57 M)			A018106	
5		1STRUT 12 FT-6 (3.81 M)			A017977	
6		1JIB BUTT 15 FT-0 (4.57 M)			177054	
7		1SHEAVE ASSEMBLY			176799	
8		2PIN			75052	
9		1PIN			177219	
10		4PIN			76225	
11		1UNIVERSAL WIRE ROPE ANCHOR JOINT			90317	
12		1JIB POINT SHAFT ASSEMBLY			90318	
13		1GUARD WIRE ROPE			A020667	
14		2PENDANT 44 FT-7 (13.59 M)			277432	
15		2LINK			177295	
16		1LINK			177296	
17		2LINK			177297	
18		2LINK 28.00 LONG (711 mm)			177298	
19		2LINK			A10099	
20		1SPREADER			A10100	
21		4PIN, SAFETY SNAP, .25 DIA.			5638236	
22		2PENDANT 4FT 8.00 (1.42 M)			277431	
23		2PIN			73045	
24		2PIN			177397	
25		2PENDANT 30 FT-9.00 (9.37 M)			277430	
26		2RUBBER BUMPER			285220	
27		1GUARD WIRE ROPE			A023706	
28		4SCR HEX .375-16UNC-2A X 1.25 GR5			612456	
29		4NUT HEX .375-16 UNC-2B			546054	
30		4LOCKWASHER .375			710304	
31		2CLAMP			177473	
32		1JIB STOP ASSEMBLY			179332	
33		1TIMBER 27.00 LG X 3.50 W			81017678	
34		2PIN			177301	
35		4PIN			177302	
36		2PIN			177303	
37		1SHEAVE WIRE ROPE ASSY			81007542	
49		4HHCS 5/8-11UNC X 5.00 GR 5			612685	
50		8F WASHER SHIM 5/8 ST F436			709747	
51		4HEX LOCK NUT 5/8-11UNC GR5.2		7660201601		

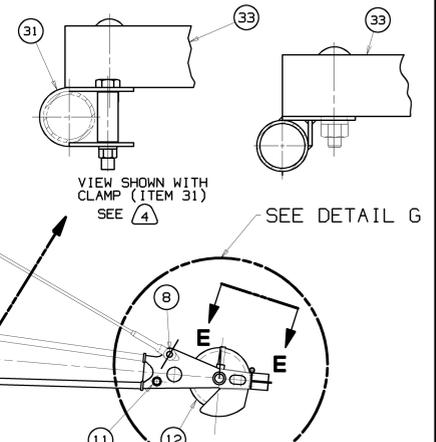
NO. REQUIRED FOR THE FOLLOWING ITEMS ARE IN THE JIB LENGTH TABLE

38	INSERT - 10 FT (3.05 M)	32938
39	PENDANT - 9 FT-6.00 (2.89 M)	276729
40	PIN - JIB JOINT	76225
41	TIMBER 27.00 LG X 3.50 W	81017678
42	HHCS 5/8-11UNC X 5.00 GR 5	612685
43	F WASHER SHIM 5/8 ST F436	709747
44	HEX LOCK NUT 5/8-11UNC GR5.2	7660201601
45	INSERT - 20 FT (6.10 M)	176938
46	PENDANT - 19 FT-00 (5.79 M)	277422
47	PIN - JIB POINT	76225
48	TIMBER	192028

- 1 MINIMUM BOOM LENGTH REQ'D. FOR JIB = 90 FT.
- 2 ON DWG. A02422
- 3 ON DWG. A02308
- 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 ATTACH TIMBERS SO THEY ARE FREE TO SLIDE UNDER THERMAL EXPANSION/CONTRACTION OF PLASTIC



SECTION A-A



VIEW SHOWN WITH CLAMP (ITEM 31)
SEE DETAIL G

30 FT. (9.15M) JIB WITH 5° JIB ANGLE SHOWN

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TOLERANCE UNLESS OTHERWISE SPECIFIED

DECIMAL PLACES	FABRICATION	MACHINING
(1) PLACE 0.0	±.12	±.18
(2) PLACE 0.00	±.06	±.12
(3) PLACE 0.000	±.003	±.005

SCALE: 1/32"=1'-0"

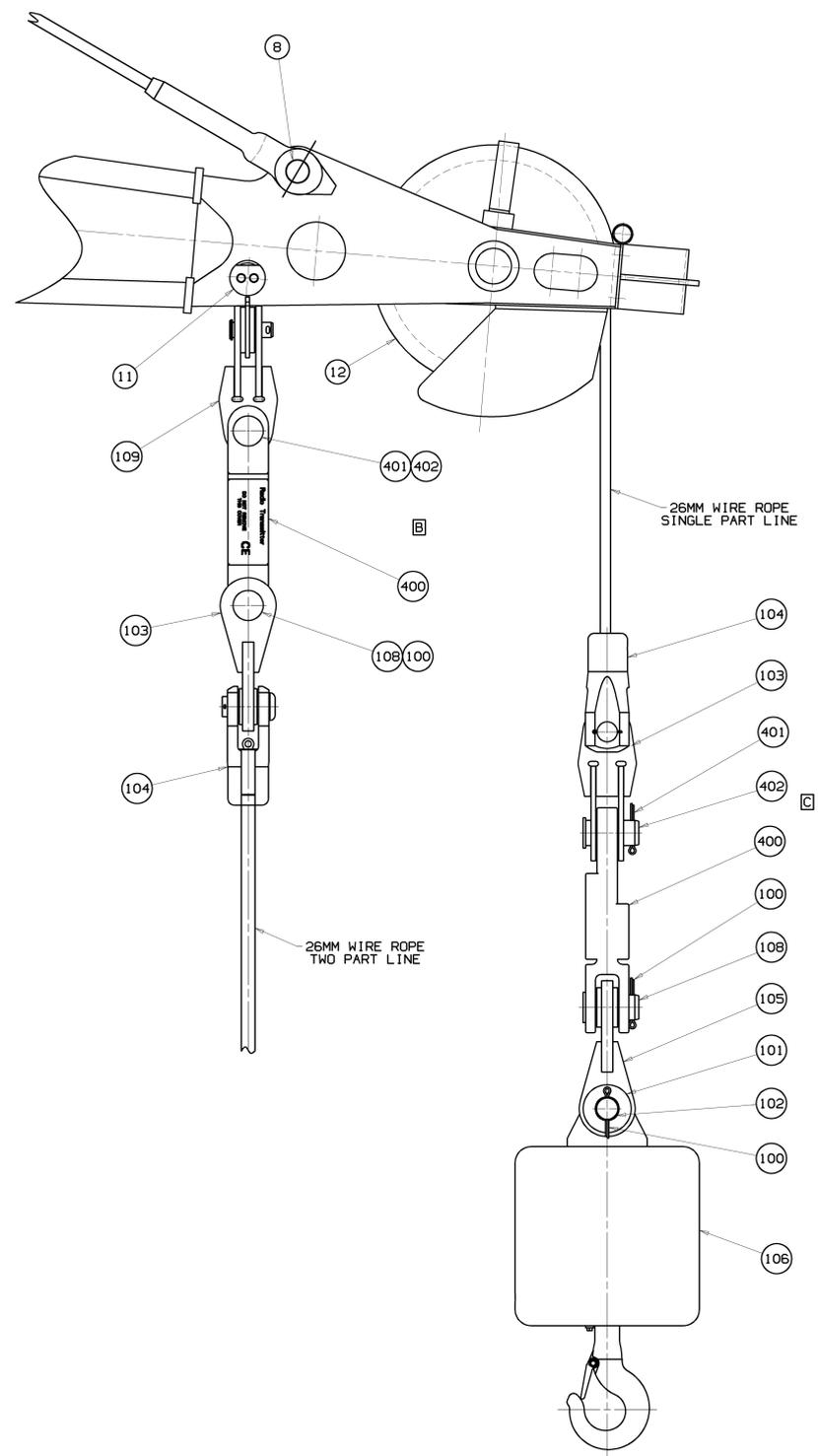
Manitowoc Cranes, Inc.
JIB FIXED ASSY
#134 FOR #57 BOOM

DATE: 04-09-04
PATTERN NO.

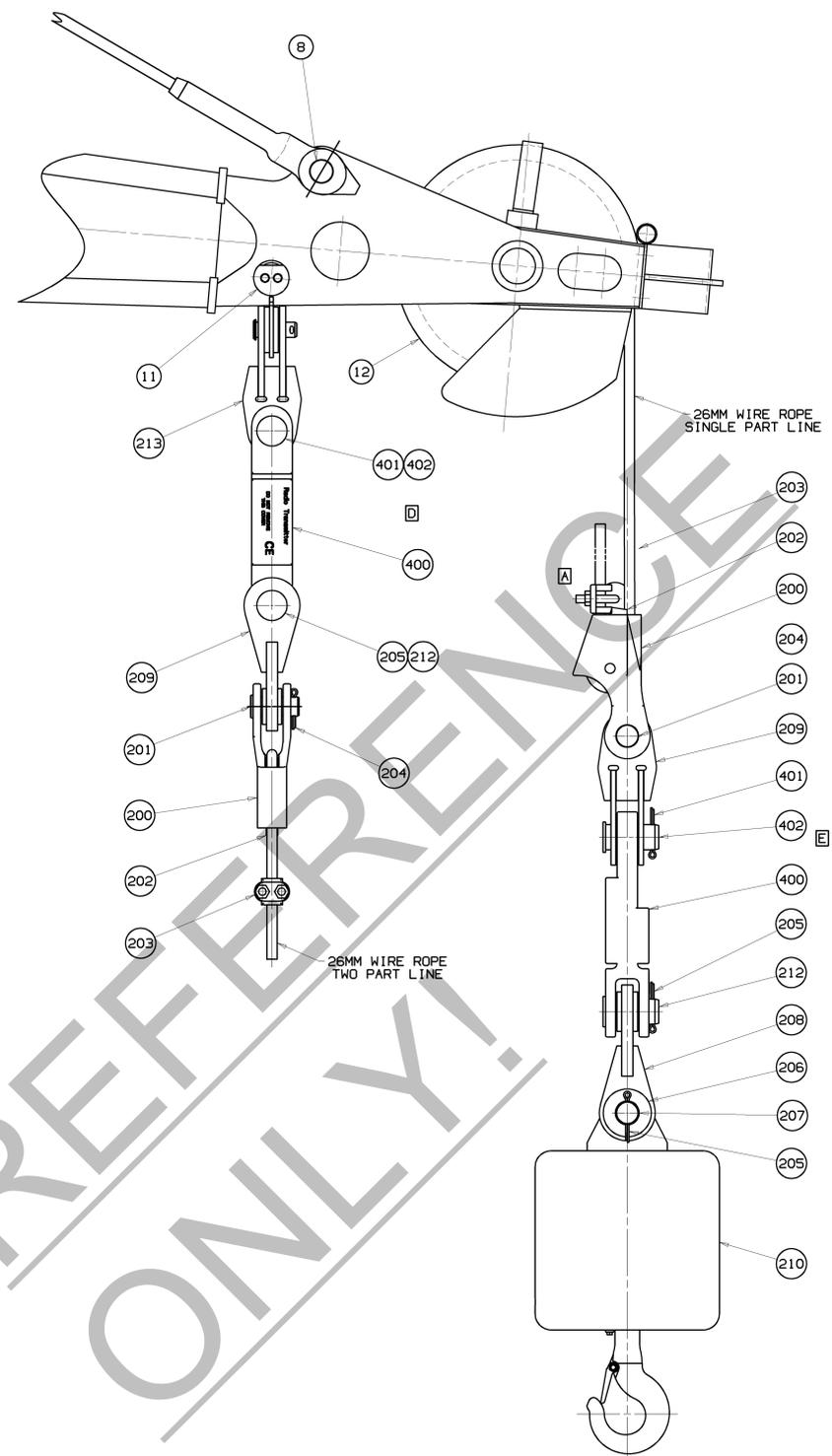
PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 6829103794 FOR COMPONENTS LISTED IN 03500-05-028

04-09-04
A10098
SHT 1 OF 3

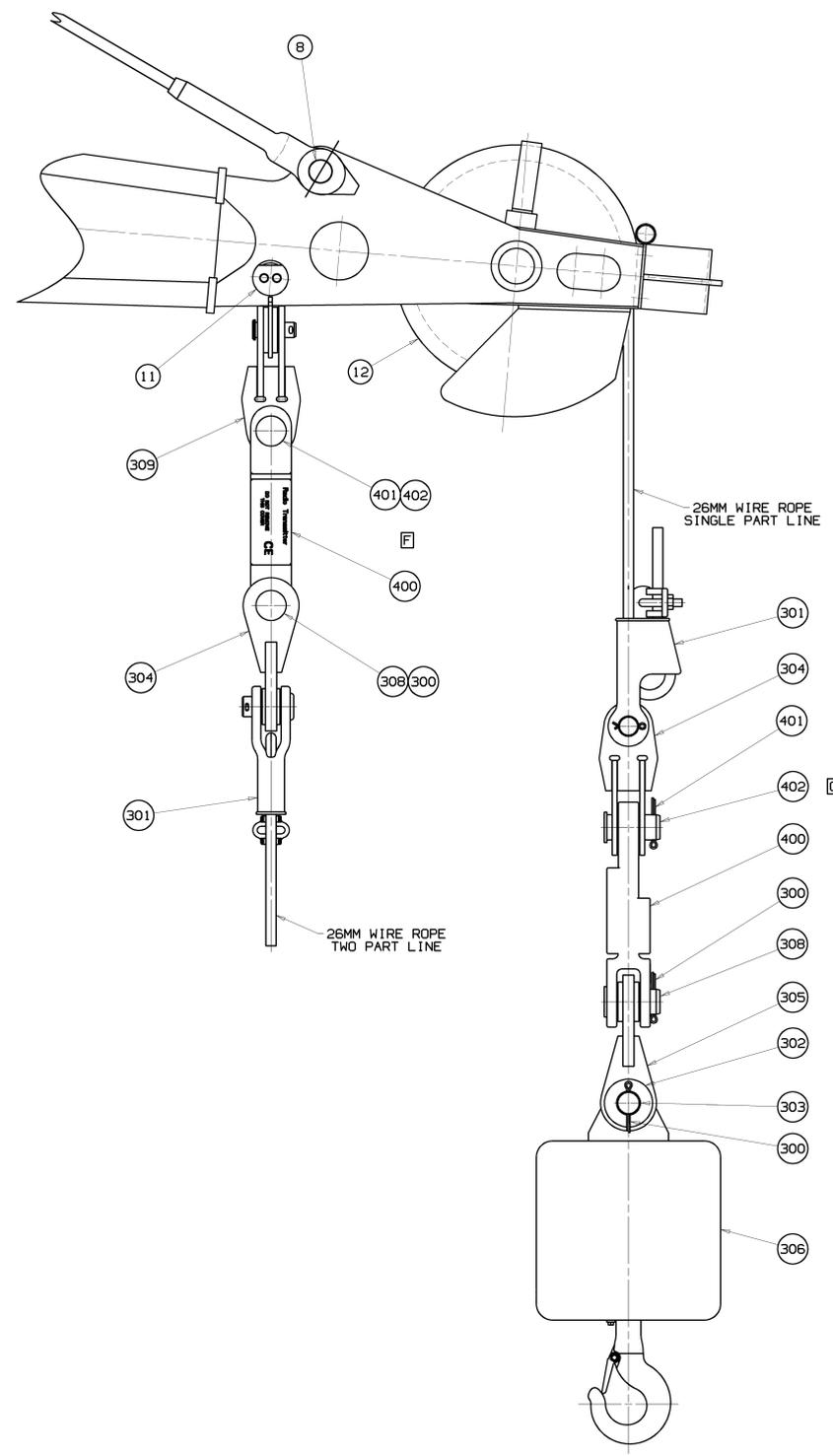
REVISIONS
 04-11-07 TRO
 A CORRECTED
 PICTURE OF
 DEAD END
 TERMINATION
 11-20-08 BUR
 B DISPLACED
 #134 BOOMS
 03-16-09 MER
 H WAS
 SHT 2 OF 2



DETAIL G
 OPTION 1 - WITH BUTTON SOCKET
 SCALE 2=1FT



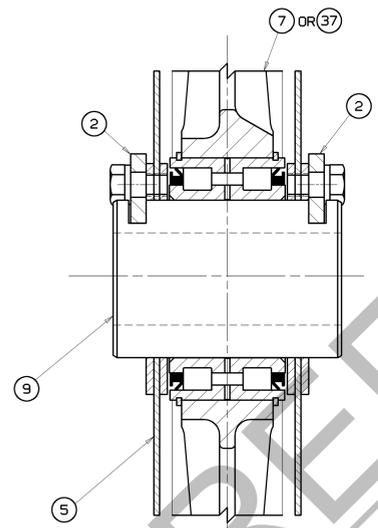
DETAIL G
 OPTION 2 - WITH WEDGE SOCKET
 SCALE 2=1FT



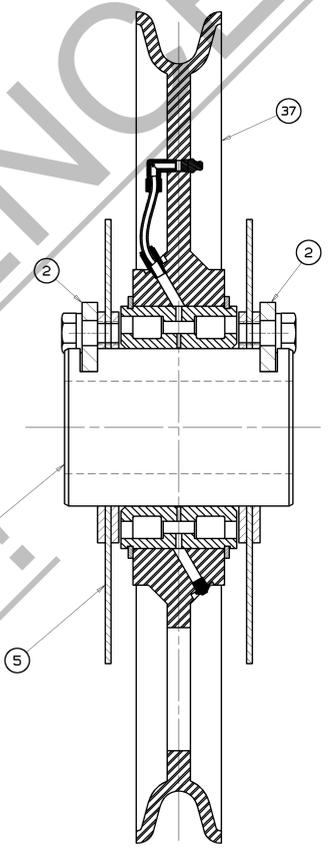
DETAIL G
 OPTION 3 - WITH TERMINATOR WEDGE SOCKET
 SCALE 2=1FT

REFERENCE ONLY!

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SECTION B-B
SCALE: 6=1FT



SECTION B-B
SHOWN ITEM 37, FOR ORIENTATION OF GREASING ONLY
SCALE: 6=1FT

REFERENCE ONLY!

<p>THIS PRINT REMAINS THE PROPERTY OF MANITOWOC CRANES, INC. ALL INFORMATION CONTAINED THEREIN IS CONFIDENTIAL. 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 WHATSOEVER THAT MAY BE DETRIMENTAL TO OUR INTERESTS.</p>		<p>TOLERANCE UNLESS OTHERWISE SPECIFIED</p> <table border="1"> <tr> <th>DECIMAL PLACES</th> <th>FABRICATION</th> <th>MACHINING</th> </tr> <tr> <td>(1) PLACE 0.0</td> <td>±.12</td> <td>±.10</td> </tr> <tr> <td>(2) PLACE 0.00</td> <td>±.06</td> <td>±.05</td> </tr> <tr> <td>(3) PLACE 0.000</td> <td>±.005</td> <td>±.005</td> </tr> <tr> <td>ANGLES</td> <td>±1.30</td> <td>±0.90</td> </tr> </table>	DECIMAL PLACES	FABRICATION	MACHINING	(1) PLACE 0.0	±.12	±.10	(2) PLACE 0.00	±.06	±.05	(3) PLACE 0.000	±.005	±.005	ANGLES	±1.30	±0.90	<p>SCALE 1/32=1FT</p> <p>DR. MER CK. MER APP. PMP</p>	<p>Manitowoc Cranes, Inc. Manitowoc, Wisconsin</p> <p>MODEL 15000</p>	<p>JIB FIXED ASSY #134 FOR #57 BOOM</p>
DECIMAL PLACES	FABRICATION	MACHINING																		
(1) PLACE 0.0	±.12	±.10																		
(2) PLACE 0.00	±.06	±.05																		
(3) PLACE 0.000	±.005	±.005																		
ANGLES	±1.30	±0.90																		