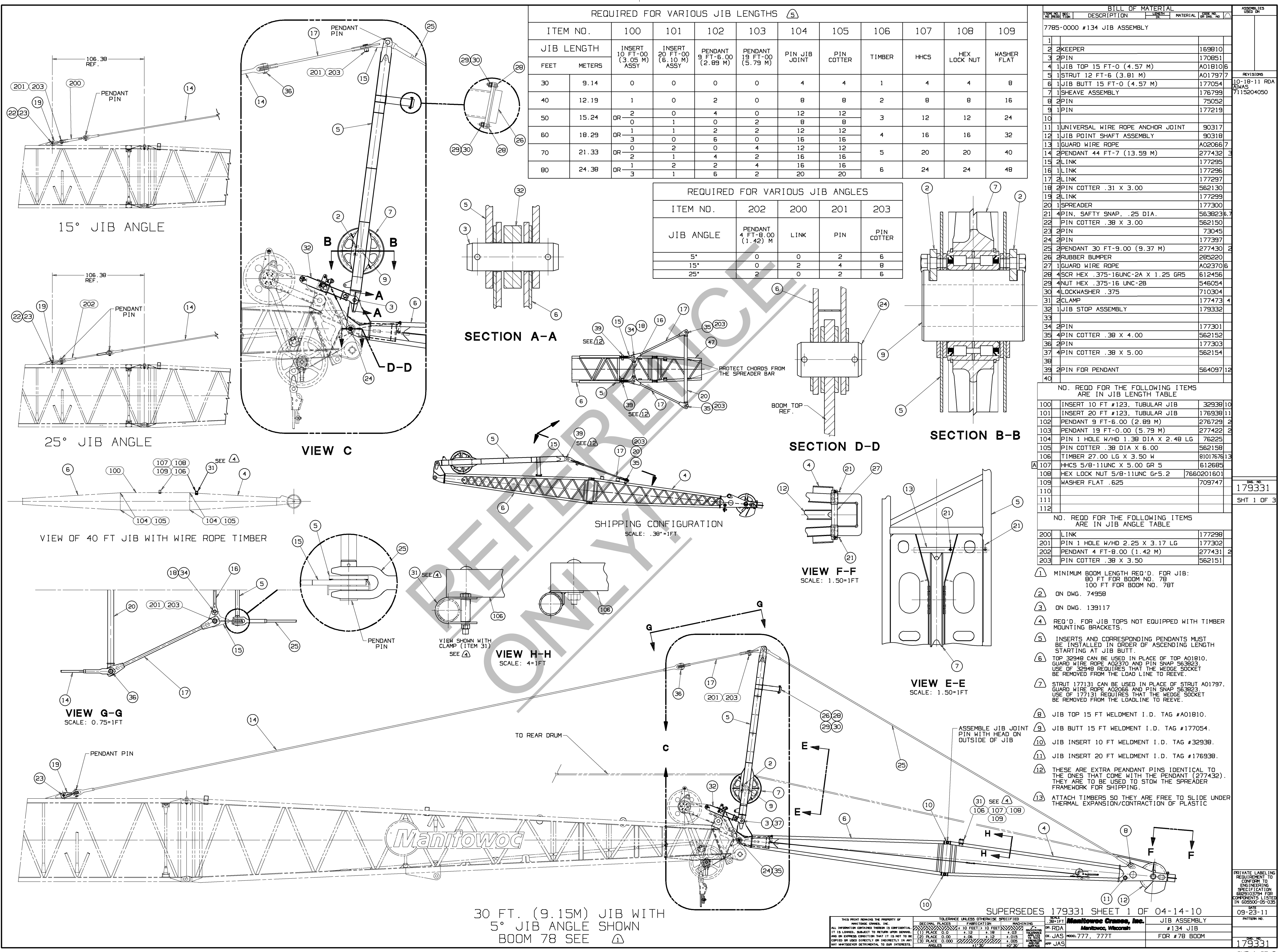




REQUIRED FOR VARIOUS JIB LENGTHS (5)											
ITEM NO.	100	101	102	103	104	105	106	107	108	109	
JIB LENGTH	INSERT 10 FT-00 (3.05 M) ASSY	INSERT 20 FT-00 (6.10 M) ASSY	PENDANT 9 FT-6.00 (2.89 M)	PENDANT 19 FT-00 (5.79 M)	PIN JIB JOINT	PIN COTTER	TIMBER	HHCS	HEX LOCK NUT	WASHER FLAT	
FEET METERS				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

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

BILL OF MATERIAL

ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIAL	QTY	UNIT	ASSEMBLY USED IN
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			
5	1 STRUT 12 FT-6 (3.81 M)			A01797			
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			
14	2 PENDANT 44 FT-7 (13.59 M)			277432			
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, SAFETY SNAP, .25 DIA.			563823			
22	2 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			
26	2 RUBBER BUMPER			285220			
27	1 GUARD WIRE ROPE			A02370			
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			
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			
40							

NO. REQ'D 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	5
105	PIN COTTER .38 DIA X 6.00	562158	1
106	TIMBER 27.00 LG X 3.50 W	810176	13
107	HHCS 5/8-11UNC X 5.00 GR 5	612685	5
108	HEX LOCK NUT 5/8-11UNC Gr5.2	766020	1601
109	WASHER FLAT .625	709747	1
110			
111			
112			

NO. REQ'D FOR THE FOLLOWING ITEMS ARE IN JIB ANGLE TABLE

200	LINK	177298	1
201	PIN 1 HOLE W/HD 2.25 X 3.17 LG	177302	1
202	PENDANT 4 FT-8.00 (1.42 M)	277431	2
203	PIN COTTER .38 X 3.50	562151	1

1 MINIMUM BOOM LENGTH REQ'D. FOR JIB:
80 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

PRIVATE LABELING REQUIREMENT TO CONFORM TO SPECIFICATION 6629103794 FOR COMPONENTS LISTED IN 6629103794-05-026

DATE 09-23-11

PATTERN NO.

179331

SHEET 1 OF 3

179331

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

SUPERSEDES 179331 SHEET 1 OF 04-14-10

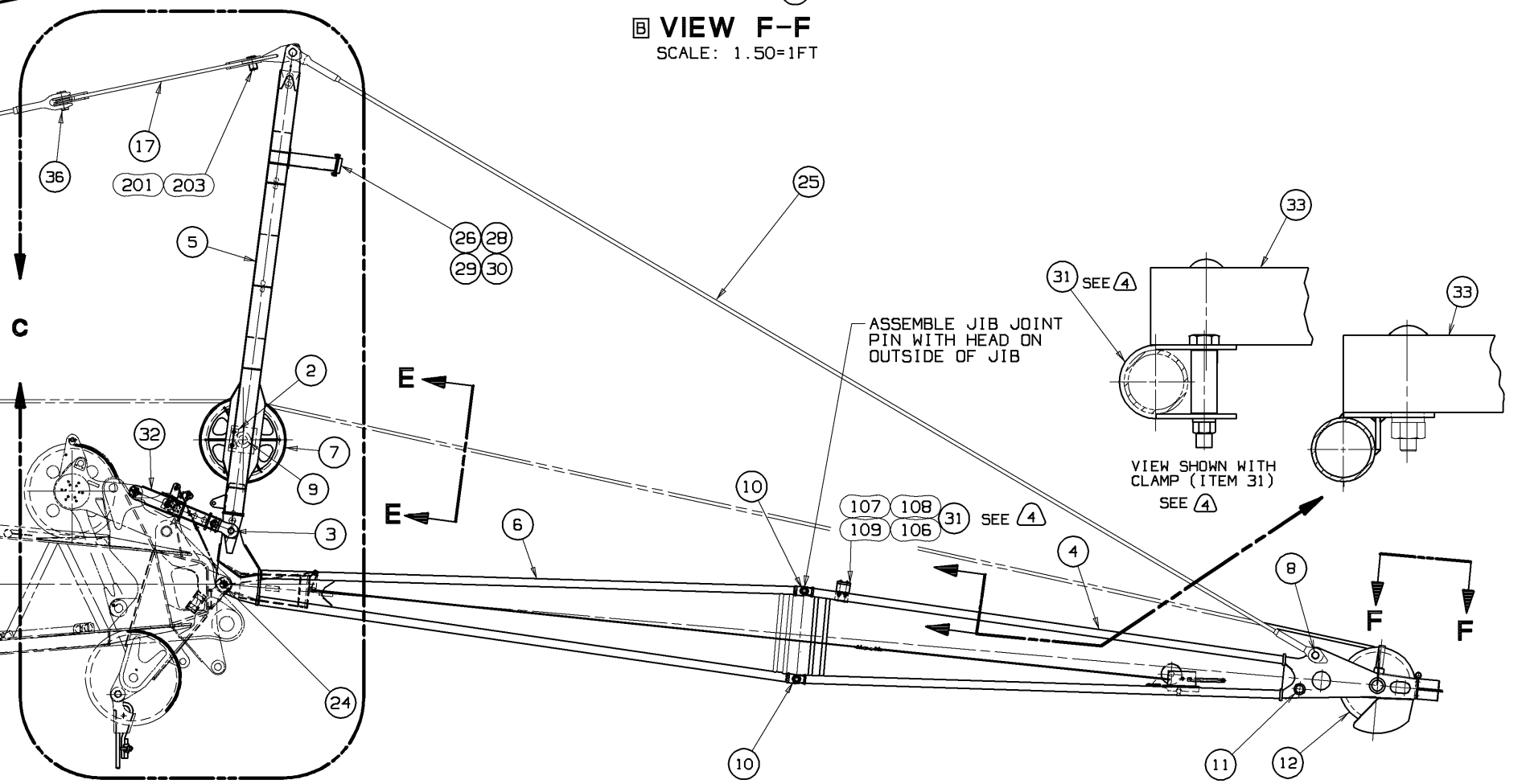
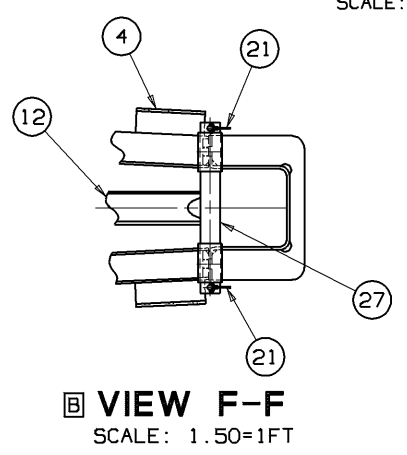
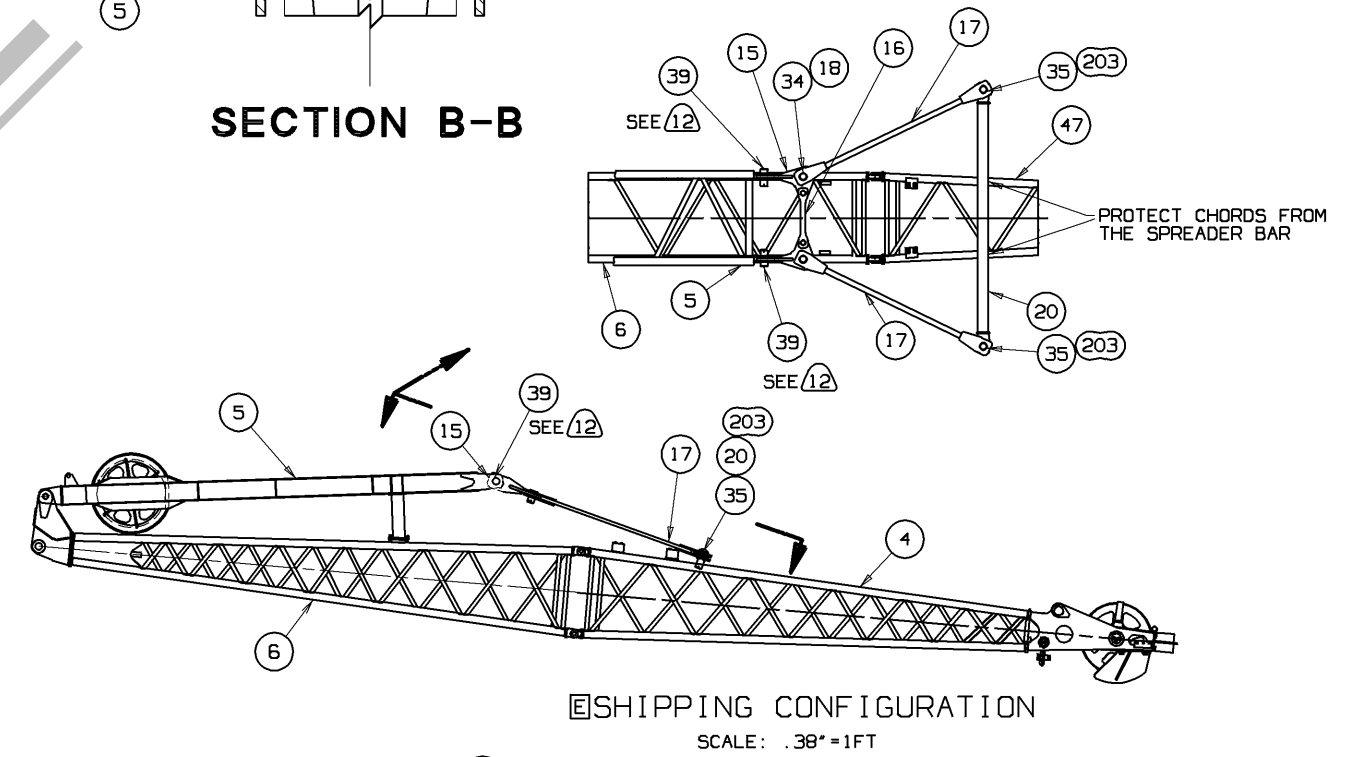
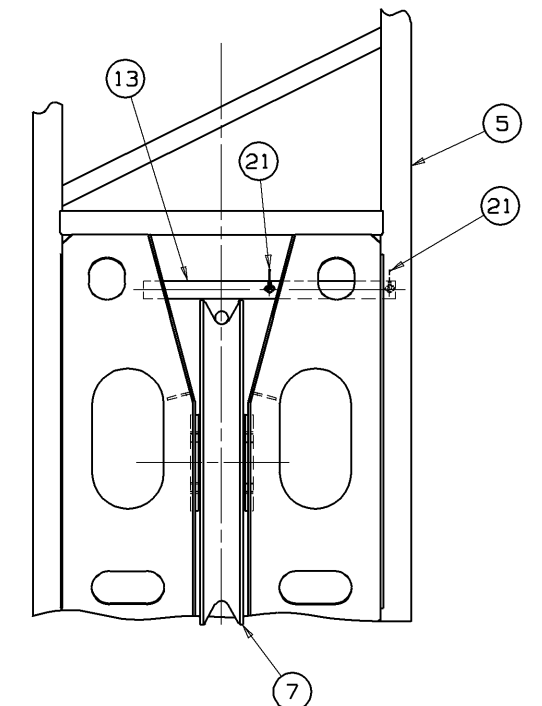
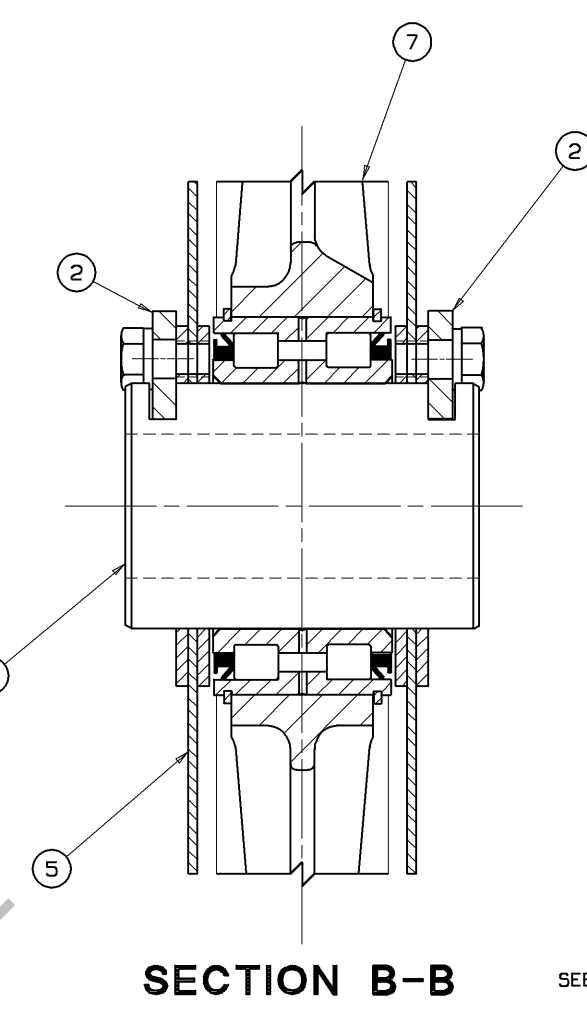
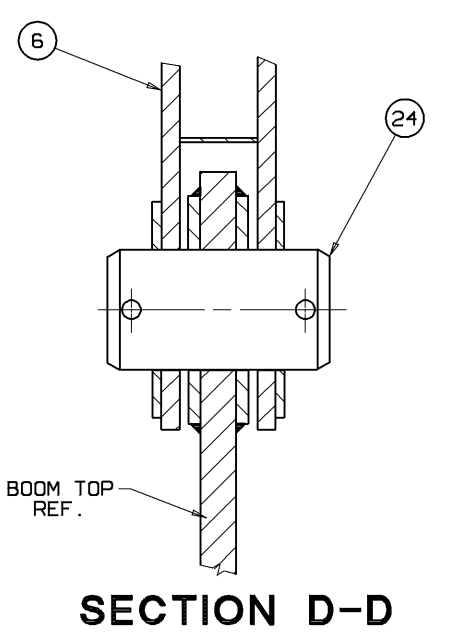
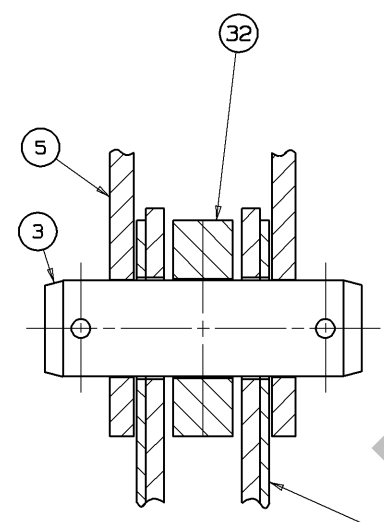
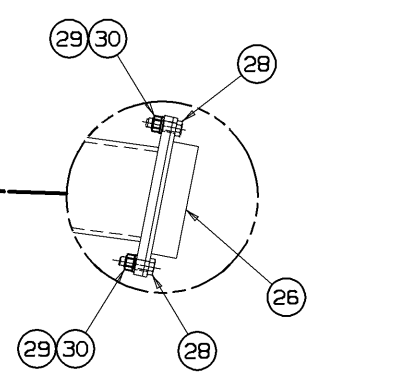
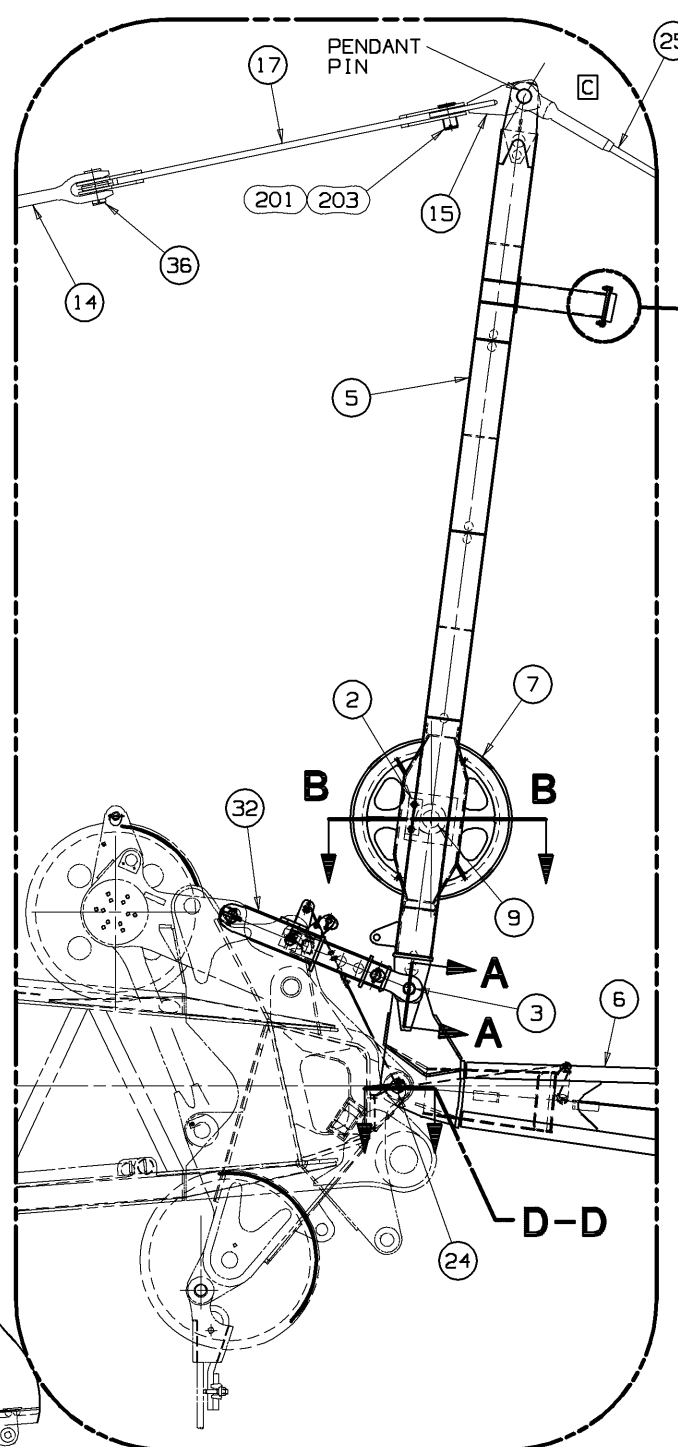
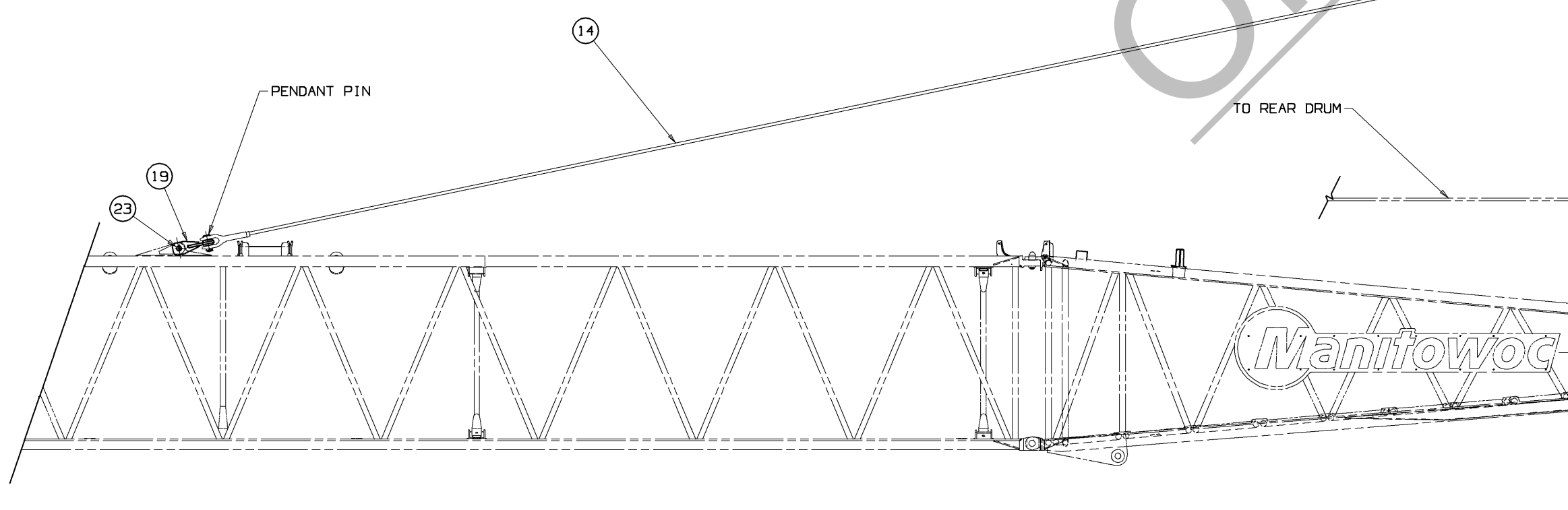
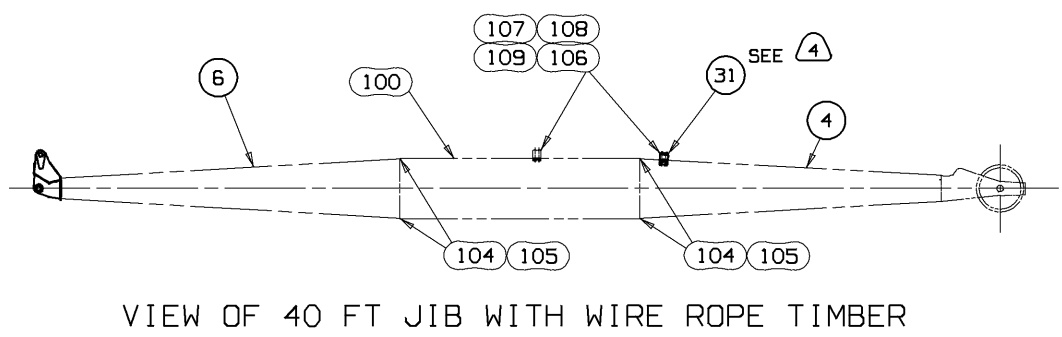
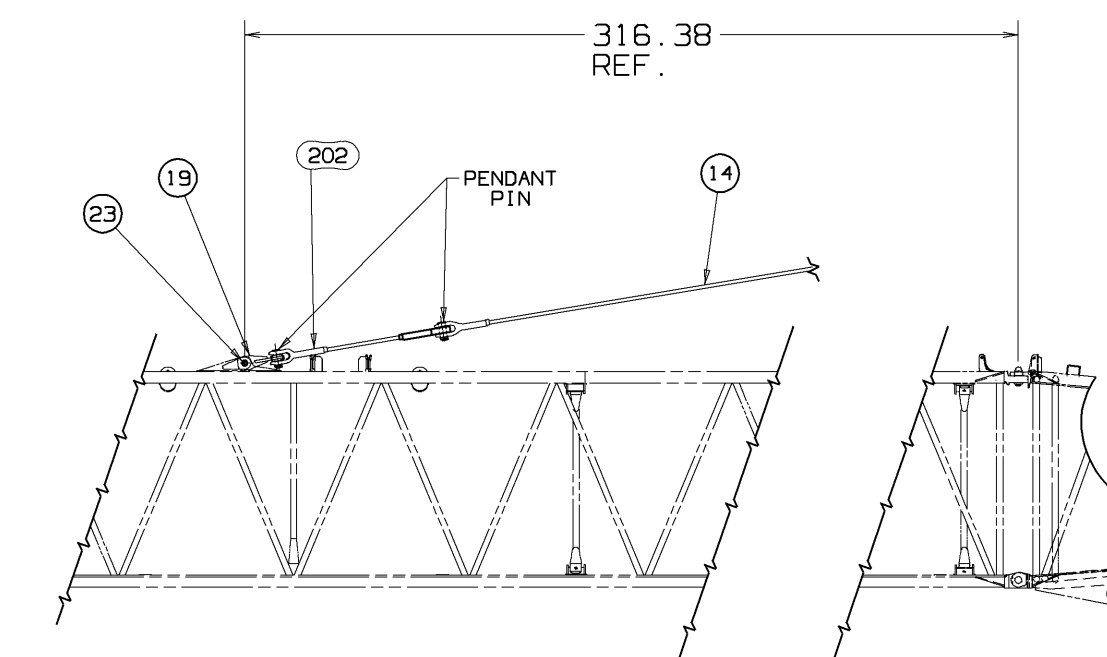
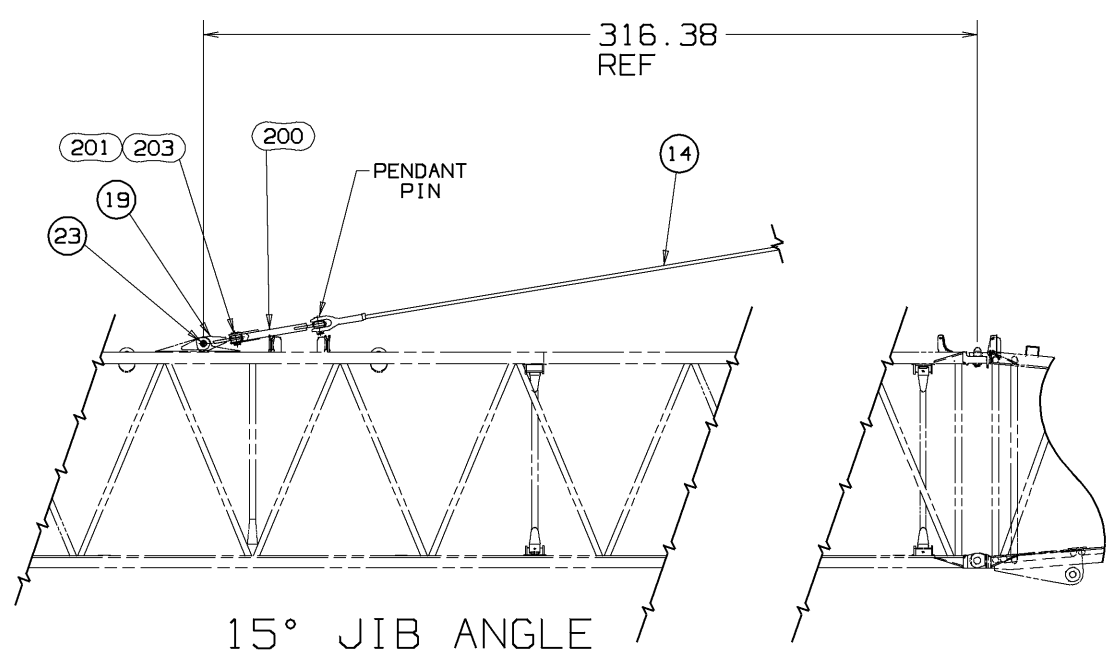
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DECIMAL PLACES	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	1/4096	1/8192	1/16384
(1) PLACE 0.00	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54	0.60	0.66
(2) PLACE 0.00	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54	0.60	0.66
(3) PLACE 0.000	0.006	0.012	0.018	0.024	0.030	0.036	0.042	0.048	0.054	0.060	0.066
ANGLE	1°	1/2°	1/4°	1/8°	1/16°	1/32°	1/64°	1/128°	1/256°	1/512°	1/1024°

DATE	09-23-11
PATTERN NO.	
179331	

MANITOWOC CRANES, INC.	JIB ASSEMBLY
134 JIB	
FOR 78 BOOM	

DO NOT SCALE THIS DRAWING

SHT 1 OF 3



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

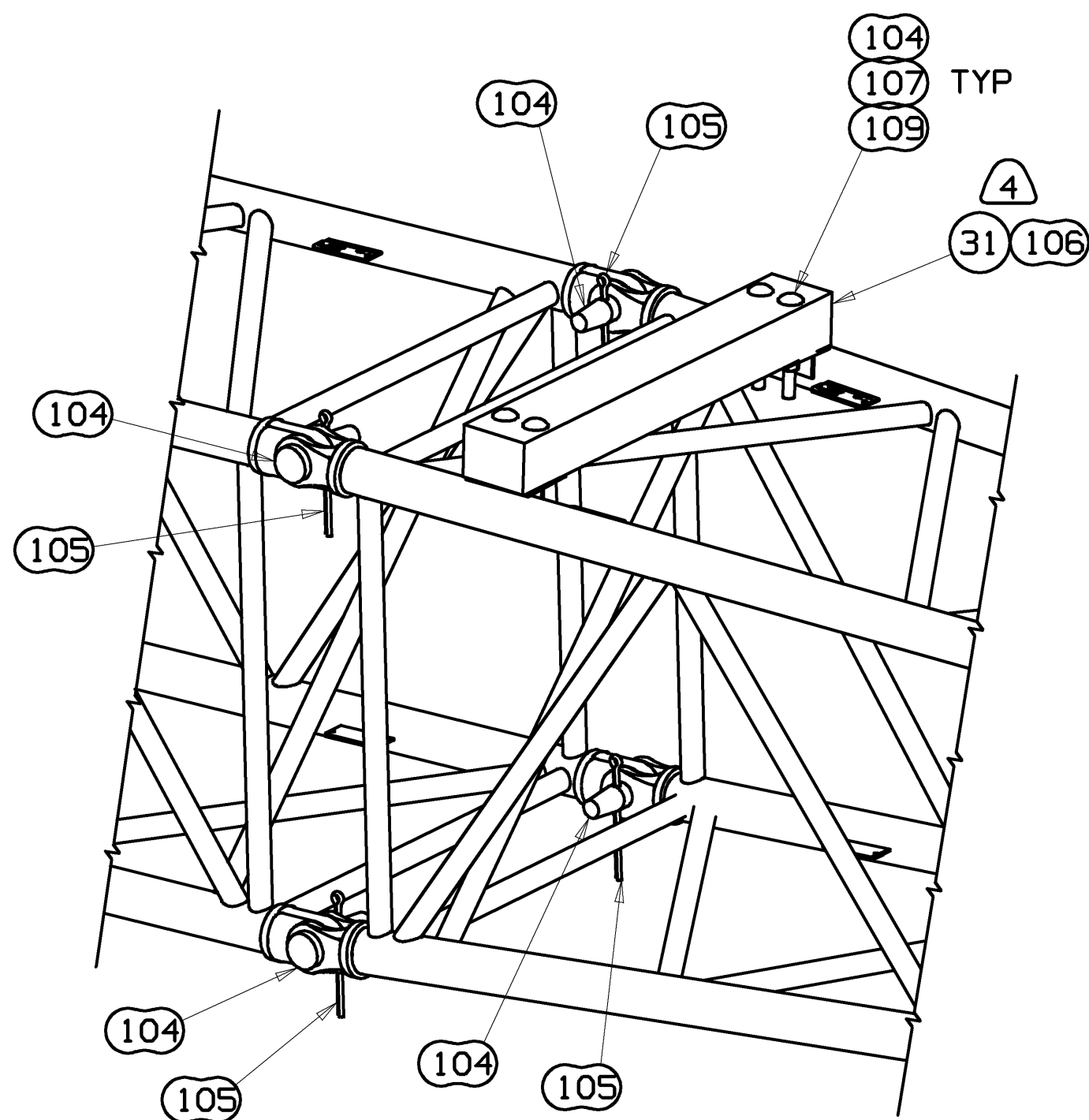
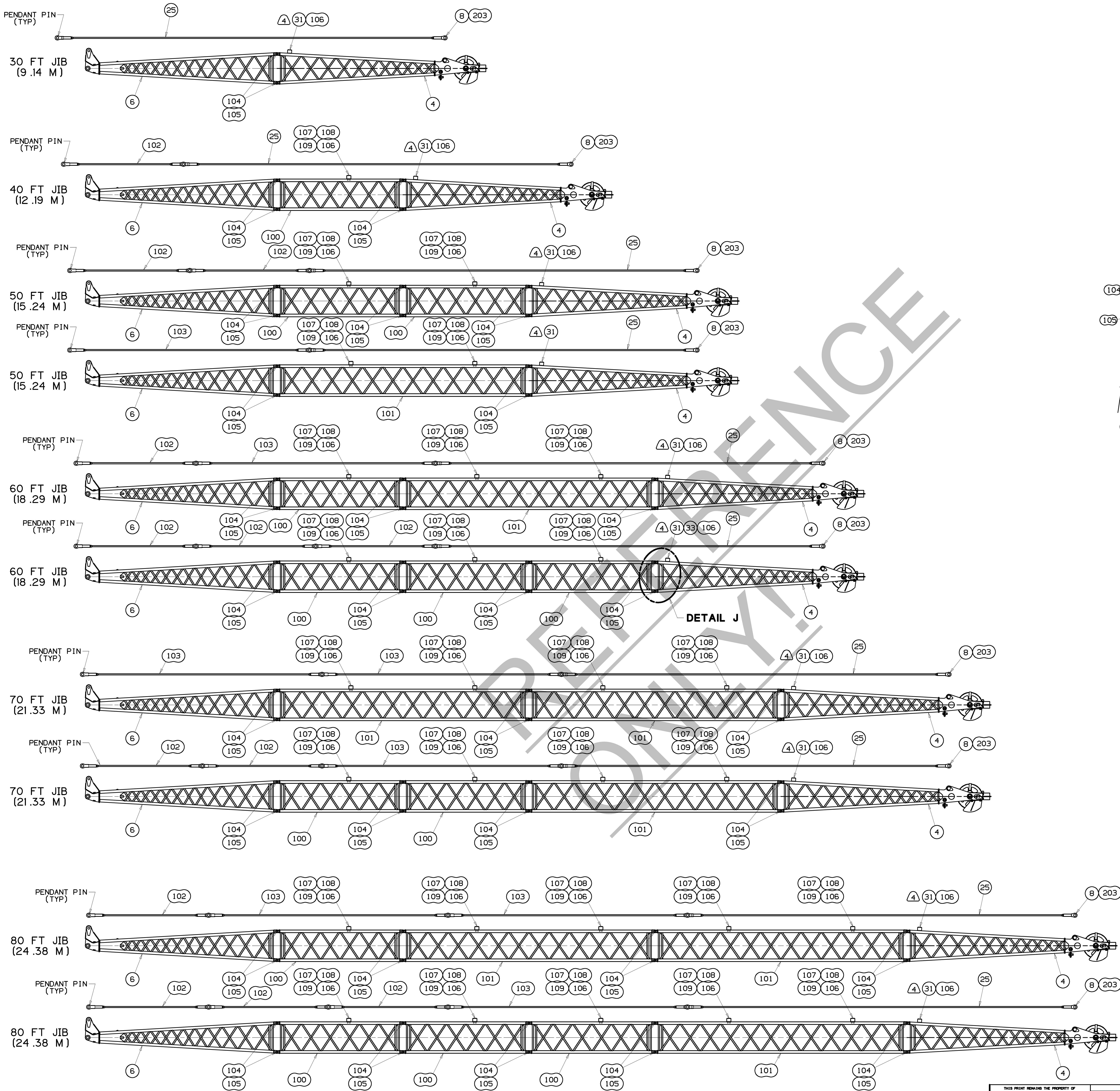
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	DECIMAL PLACES	FABRICATION	MACHINING				
	(1) PLACE 0.0	± .10 FEET ± .10 FEET	± .015				
	(2) PLACE 0.00	± .06 ± .12	± .015				
	(3) PLACE 0.000	± .005	± .005				
	ANGLES	± .30	± .01				179331

REVISIONS

2-25-02 EDB
A ADDED VIEW
B ADDED VIEW
C CORRECTED VIEW C
04-14-10 JAS
UPDATED BOOM
SIGN PICTURE
09-23-11 RDA
WAS SHIT 2 OF 3
UPDATED BALLOONS
ADDED
SHIPPING VIEW

DATE: 5-05-99
PATTERN NO.: 179331

PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 6629103794 FOR COMPONENTS LISTED IN 662900-06-026



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

DETAIL J

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