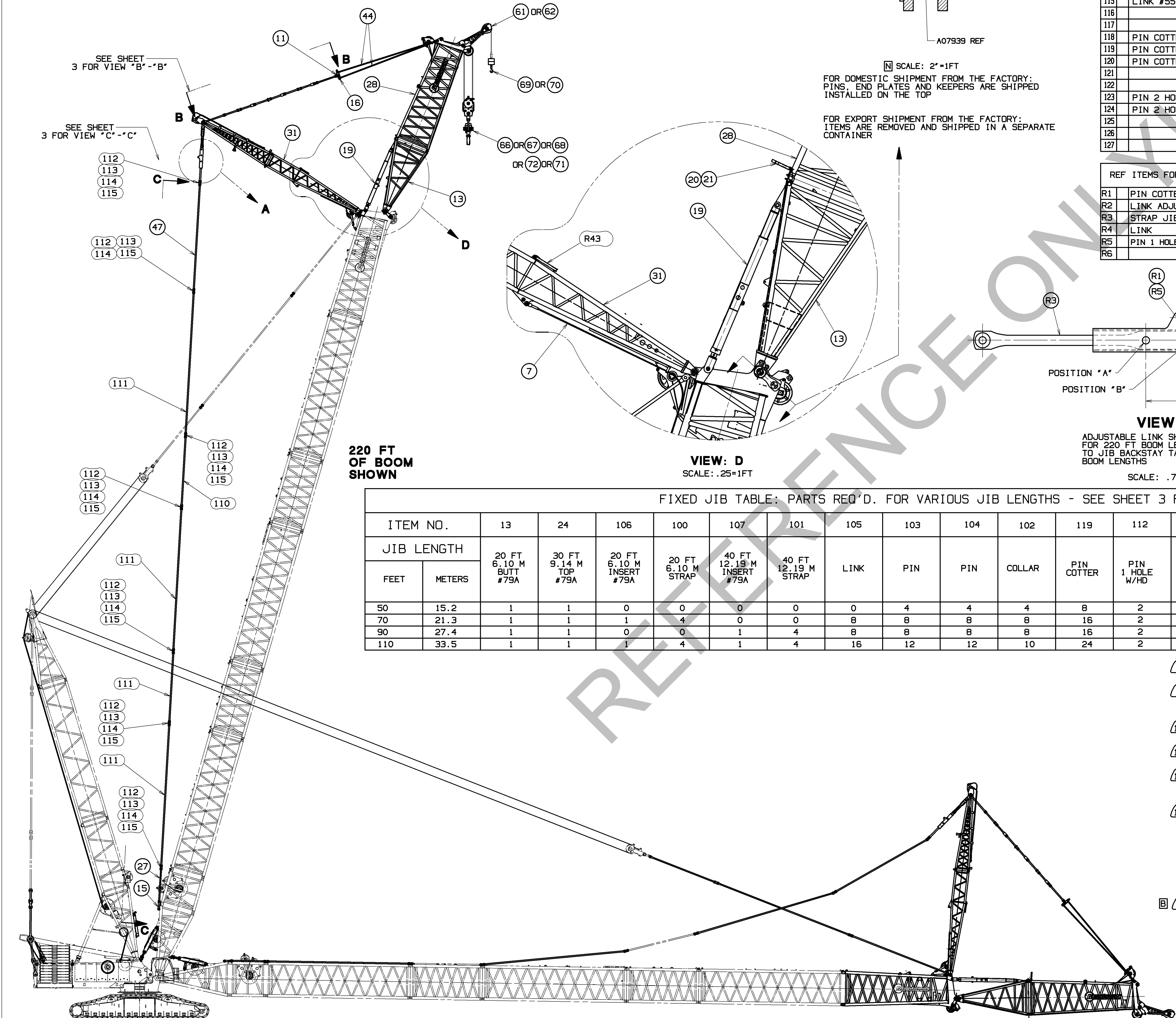


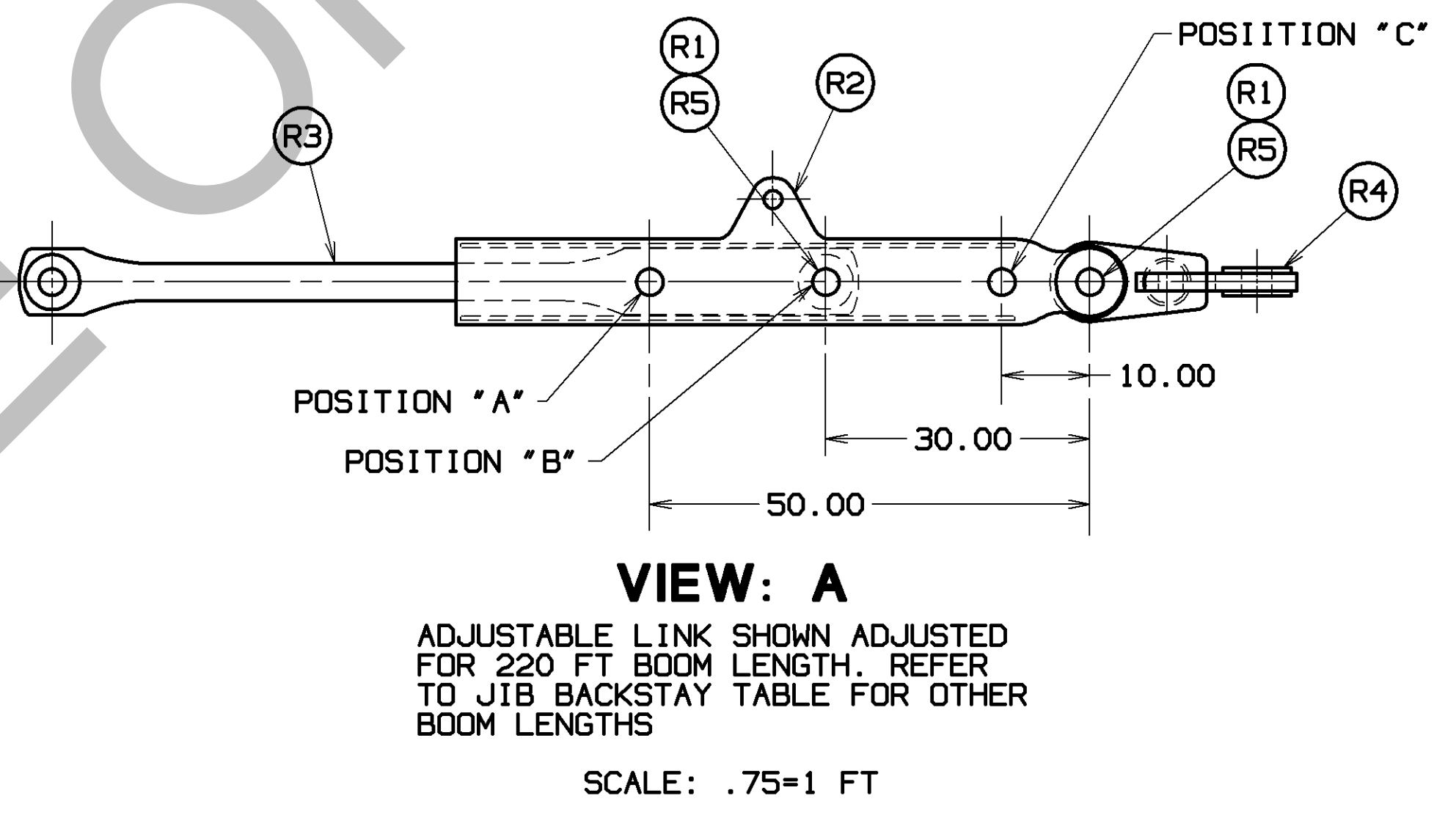
JIB BACKSTAY TABLE:											
JIB BACKSTAY ITEMS REQ'D. FOR VARIOUS BOOM LENGTHS - SEE SHT 2 FOR BOOM MAKE-UP											
ITEM NO.		110	111	115	112	113	114	120	118	123	124
BOOM LENGTH											
FEET	METERS	STRAP 20 FT #55 BOOM	STRAP 40 FT #55 BOOM	LINK #55 BOOM	PIN 1 HOLE W/HD	PIN COTTER 2 HOLE	COLLAR	PIN COTTER	PIN COTTER	PIN 2 HOLE	PIN 2 HOLE
140	42.7	0	4	16	16	18	18	36	28	6	6
160	48.8	2	4	20	20	22	22	44	36	8	8
180	54.9	4	4	24	24	26	26	52	44	10	10
200	60.9	2	6	24	24	26	26	52	44	10	10
220	67.1	4	6	28	28	30	30	60	52	12	12
											ADJUSTABLE LINK LENGTH - SEE VIEW "A" - "A"
											POSITION "A"
											POSITION "A"
											POSITION "A"
											POSITION "B"
											POSITION "B"



SCALE: 2"=1FT
FOR DOMESTIC SHIPMENT FROM THE FACTORY:
PINS, END PLATES AND KEEPERS ARE SHIPPED
INSTALLED ON THE TOP
FOR EXPORT SHIPMENT FROM THE FACTORY:
ITEMS ARE REMOVED AND SHIPPED IN A SEPARATE
CONTAINER

BILL OF MATERIAL			
ITEM NO.	DESCRIPTION	QTY	UNIT
NO. REQ'D. FOR THE FOLLOWING ITEMS ARE IN THE JIB BACKSTAY AND FIXED JIB TABLES SEE SHEET 2 VIEW C-C FOR LINKAGE ASSEMBLY			
100	STRAP 20 FT #79A	179838	
101	STRAP 40 FT #79A	179839	
102	COLLAR	179862	
103	PIN	179863	
104	PIN	179863	
105	LINK	192250	
106	INSERT 20 FT ASSEMBLY #79A	194086	10.14
107	INSERT 40 FT ASSEMBLY #79A	194087	11.14
108	PIN	78292	
109			
110	STRAP 20 FT #55 BOOM	A05196	2
111	STRAP 40 FT #55 BOOM	A05197	2
112	PIN 1 HOLE W/ HD	A06149	
113	PIN COTTER 2 HOLE	A06150	
114	COLLAR	A06151	
115	LINK #55 BOOM	A06457	
116			
117			
118	PIN COTTER .125 X 1.50	562045	
119	PIN COTTER .188 X 1.50	562085	
120	PIN COTTER .250 X 1.50	562105	
121			
122			
123	PIN 2 HOLE .63 X 6.75 LG	A07033	
124	PIN 2 HOLE .63 X 6.00 LG	A07034	
125			
126			
127			

REF ITEMS FOR LINK ADJUSTMENT SHOWN IN VIEW A			
ITEM NO.	DESCRIPTION	QTY	UNIT
R1	PIN COTTER .375 X 5.00	562154	
R2	LINK ADJUSTABLE	A07799	
R3	STRAP JIB SUPPORT	A07800	
R4	LINK	A07801	
R5	PIN 1 HOLE W/ HD, 3.00 DIA X 6.50 LG	A07804	
R6			

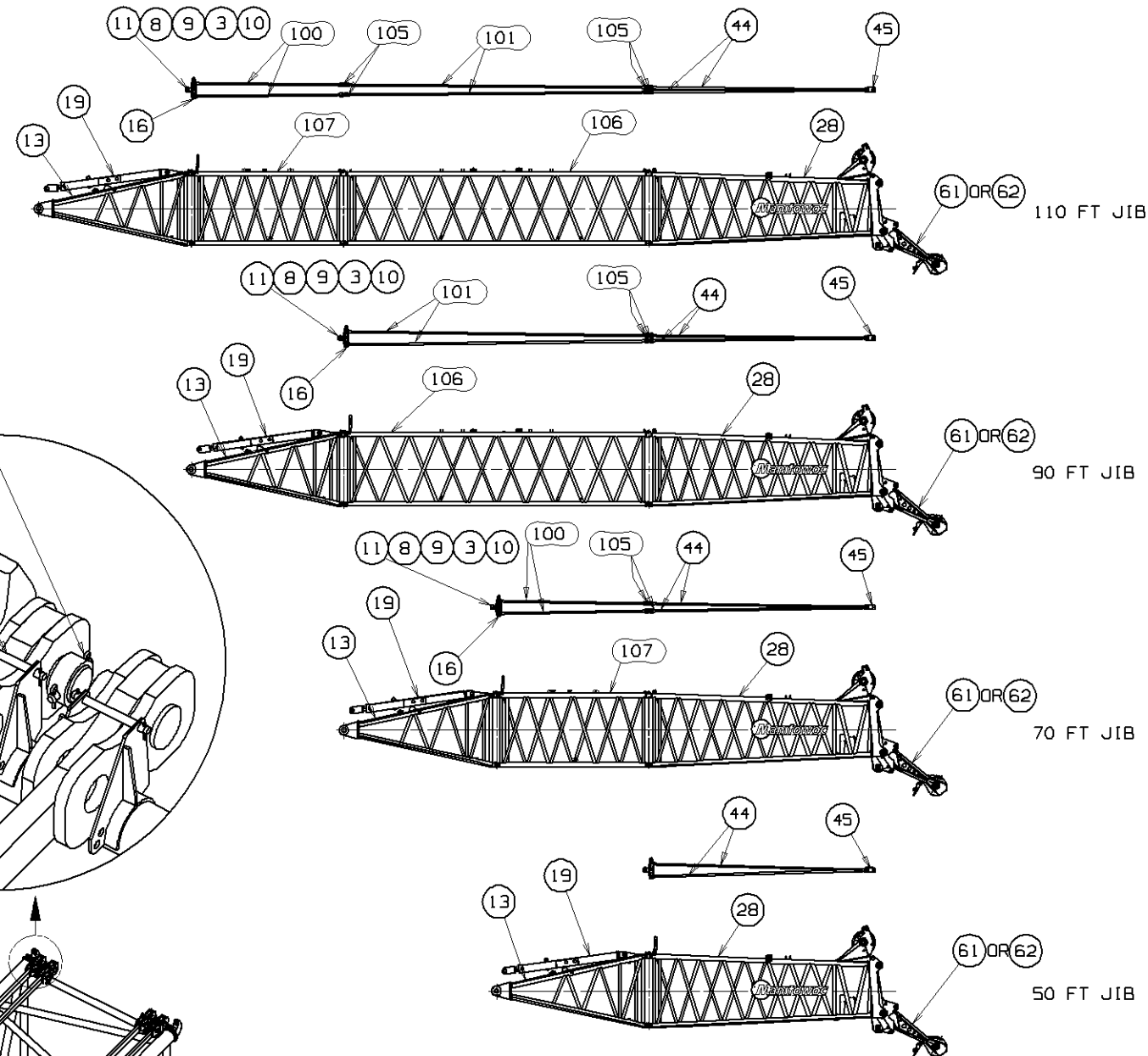
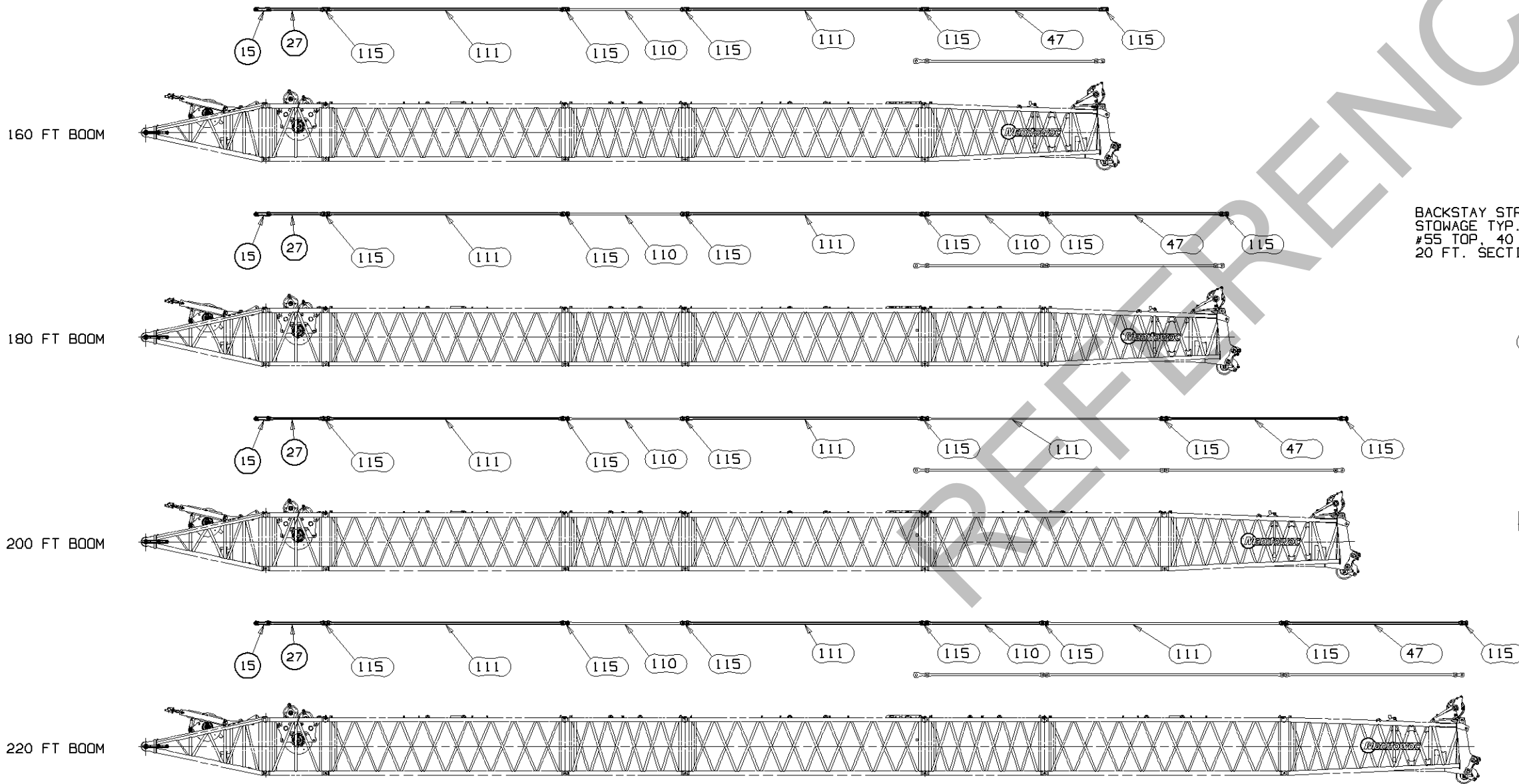
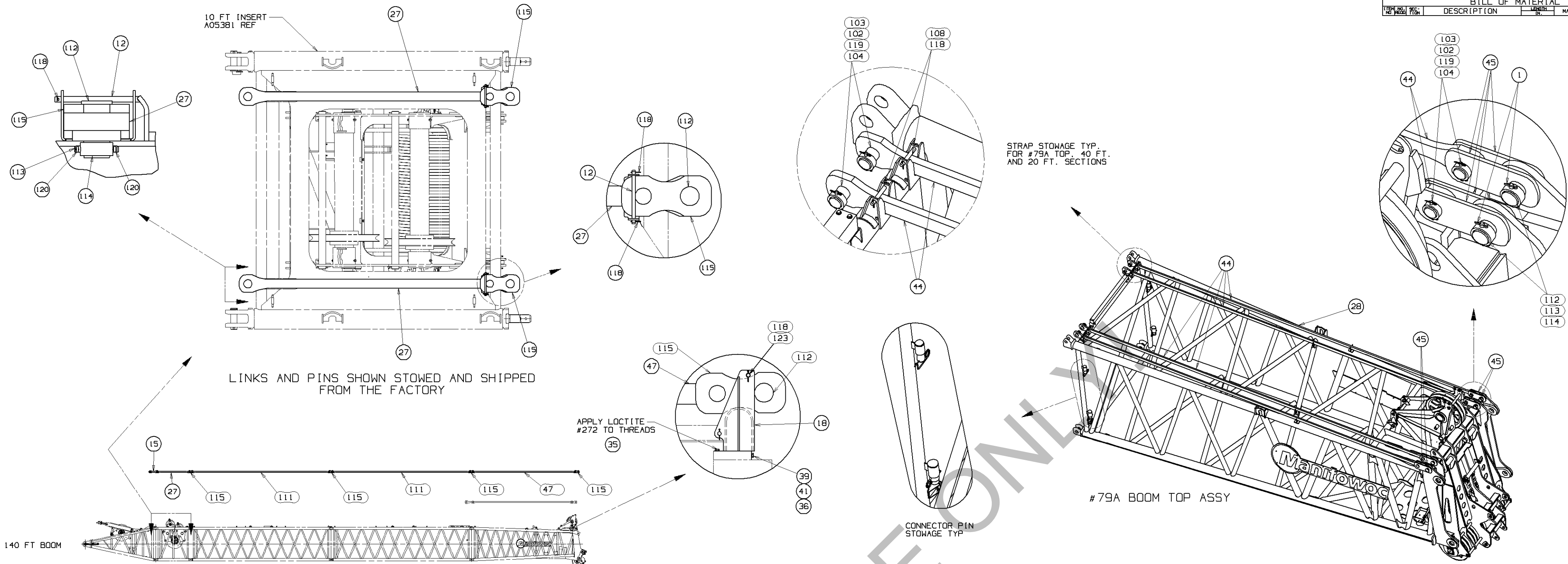


FIXED JIB TABLE: PARTS REQ'D. FOR VARIOUS JIB LENGTHS - SEE SHEET 3 FOR JIB MAKE-UP																	
ITEM NO.		13	24	106	100	107	101	105	103	104	102	119	112	113	114	118	108
JIB LENGTH		20 FT 6.10 M BUTT #79A	30 FT 9.14 M TOP #79A	20 FT 6.10 M INSERT #79A	20 FT 6.10 M STRAP	40 FT 12.19 M INSERT #79A	40 FT 12.19 M STRAP										
FEET	METERS							LINK	PIN	PIN	COLLAR	PIN COTTER	PIN 1 HOLE W/HD	PIN 2 HOLE	COLLAR	PIN COTTER	PIN 2 HOLE
50	15.2	1	1	0	0	0	0	0	4	4	4	8	2	2	2	0	2
70	21.3	1	1	1	4	0	0	8	8	8	8	16	2	2	2	8	6
90	27.4	1	1	0	0	1	4	8	8	8	8	16	2	2	2	8	6
110	33.5	1	1	1	4	1	4	16	12	12	10	24	2	2	2	16	10

- 8 BUTT 20 FT I.D. TAG #A07742.
- 9 TOP 30 FT. I.D. TAG #A05460 OR A16449 OR 81005706 (SEE 6) OR 81005693 (SEE 6).
- 10 INSERT 20 FT I.D. TAG #193412 OR 81010353.
- 11 INSERT 40 FT I.D. TAG #193413 OR 81010396.
- 12 ITEMS 11 AND 27 ARE STANDARD FOR FIXED JIB STRUT ASSEMBLY.
- 13 SEE TABLES FOR NO. REQ'D (NOTE: BACKSTAY STRAPS, LINKS AND PINS FOR BOOM TOP AND INSERTS ARE CALLED FOR AND SHIPPED WITH THOSE SECTIONS. JIB SUPPORT STRAPS, LINKS AND PINS FOR JIB ITEMS 106, 107 AND 28 ARE CALLED FOR AND SHIPPED WITH THOSE SECTIONS.)
- 14 OPTIONAL CAT WALK ASSEMBLY QTY 1 CAT WALK ASSY PER BOOM SECTION ASSY
- | BOOM SECTION ASSY | OPTIONAL CAT WALK ASSY |
|-------------------|------------------------|
| A07741 | 81017344 |
| A05401 | 81016917 |
| 194086 | 81016910 |
| 194087 | 81016911 |

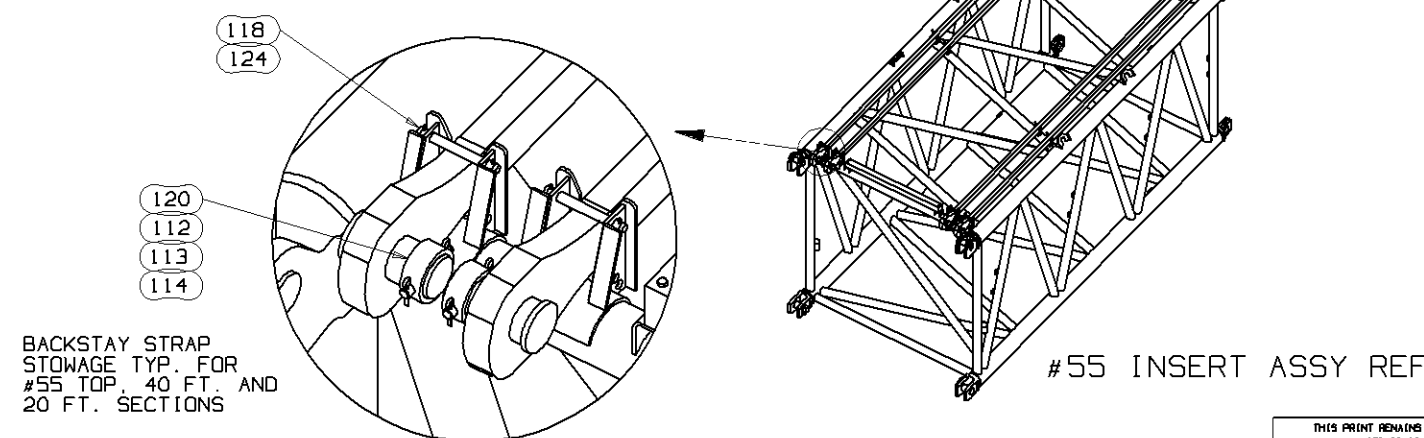
SUPERSEDES A08235 SHT 1 OF 7
OF 09-14-09

BILL OF MATERIAL			
ITEM NO.	DESCRIPTION	QTY	UNIT
#79A FIXED JIB BASIC (5° OFFSET)			
1	4PIN COTTER .250 X 1.75	562106	
2	6PIN COTTER .38 X 4.00	562152	
3	4PIN COTTER .250 X 1.50	562105	
4	12PIN SNAP	563823	
5	2PIN	78292	
6	2SPACER	166316	
7	2PENDANT	276860	
8	2PIN 1 HOLE W/ HD	A06149	
9	2PIN COTTER 2 HOLE	A06150	
10	2COLLAR	A06151	
11	4LINK #55 BOOM	A06457	
12	2PIN COTTER 2 HOLE	A07585	
13	1BUTT 20 FT #79A	A07741	1.14
14	2PIN	A07794	
15	2LINK #55 BOOM	A07498	
16	2BRACKET EQUALIZER	A07877	
17	4PIN	A07878	
18	2BRACKET STRAP	A08043	
19	2JIB STOP ASSEMBLY	A08044	
20	1BRACKET R.H. STRAP SUPPORT	A09167	
21	1BRACKET L.H. STRAP SUPPORT	A09168	
22	2PIN	A08210	
23	2PIN	81013524	
24			
25	2PIN 1 HOLE W/HD	A07517	
26			
27	2STRAP	A05198	2
28	1TOP ASSEMBLY 30 FT #79A	A05401	6.14
29			
30			
31	1STRUT ASSEMBLY	A07714	
32			
33			
34			
35	4SCREW CAP HEX HD 0.375-16X0.63 G5	612451	
36	4SCREW CAP HEX HD 0.375-16X1.00 G5	612454	
37			
38	38SCREW CAP HEX HD 0.375-16X1.75 G5	612663	
39	4WASHER FLAT 0.375	709440	
40			
41	4WASHER LOCK 0.375	710304	
42	2WASHER LOCK 0.625	710307	
43			
44	4STRAP 28FT - 2.94 IN	A06348	
45	8LINK 10.00	A06349	
46			
47	2STRAP 30FT #55 BOOM	A07805	
48	2PIN-KEEPER	A07938	
49	2PIN-KEEPER	A07940	
50	2PLATE-KEEPER	A07941	
51	2PLATE-KEEPER	A07942	
52	2SPACER	A07943	
53			
54			
ITEMS REQUIRED FOR 20° JIB OFFSET			
55	2STRAP	A05198	11.2
56	4PIN COTTER .25 X 1.50	562105	1
57	2PIN	A06149	1
58	2PIN	A06150	1
59	2COLLAR	A06151	1
60	4LINK	A06457	1
OPTIONAL PARTS			
61	1 UPPER BOOM POINT ASSEMBLY	170419	
62	1 UPPER BOOM POINT ASSEMBLY	A08237	
63	1 CAT WALK ASSY 20FT #79A BUTT	81017344	1.14
64	1 CAT WALK ASSY 30FT #79A TOP	81016917	1.14
65	1 CAT WALK ASSY 20FT #79 INSERT	81016910	1.14
66	1 CAT WALK ASSY 40FT #79 INSERT	81016911	1.14
BLOCK AND WEIGHT BALL OPTIONS			
66	1 500T HOOK ASSEMBLY	A07773	
67	1 450T HOOK ASSEMBLY	A07752	
68	1 350T HOOK ASSEMBLY	A08833	
69	1 100T HOOK ASSEMBLY	236505	3
70	1 HOOK 30T SWIVEL ASSEMBLY	A08816	
71	1 BLOCK 200 TON DUPLEX HOOK	81015924	
72	1 250MT HOOK ASSEMBLY	A14753	
ITEMS REQUIRED FOR 20° OFFSET			
1	ON DRAWING A05195		
2	USE FOR 2 PART LINE ON UPPER BOOM POINT. ALSO USED FOR MACHINE ASSY WITH 30 FT. LIVE MSAT FOR 28mm ROPE ONLY.		
3	MAXIMUM NO. OF 20 FT. (6.10M) INSERT ASSEMBLIES = 2.		
4	REQUIRED FOR LUFFING JIB PREP. WIRE ROPE GUIDE PARTS IN THIS INSERT ARE REQUIRED FOR LUFFING JIB ONLY. BUT MAY REMAIN IN PLACE WHEN USING INSERT WITH THIS ASSEMBLY.		
5	81005706 CAN BE USED IN PLACE OF A05460. 81005693 CAN BE USED IN PLACE OF A16449.		
6	ON DRAWING 79152.		
PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 8629103794 FOR COMPONENTS LISTED IN 862900-06-006			
DATE 07-15-10			
REV. 1.0			
A08235			
SHT. 1 OF 7			



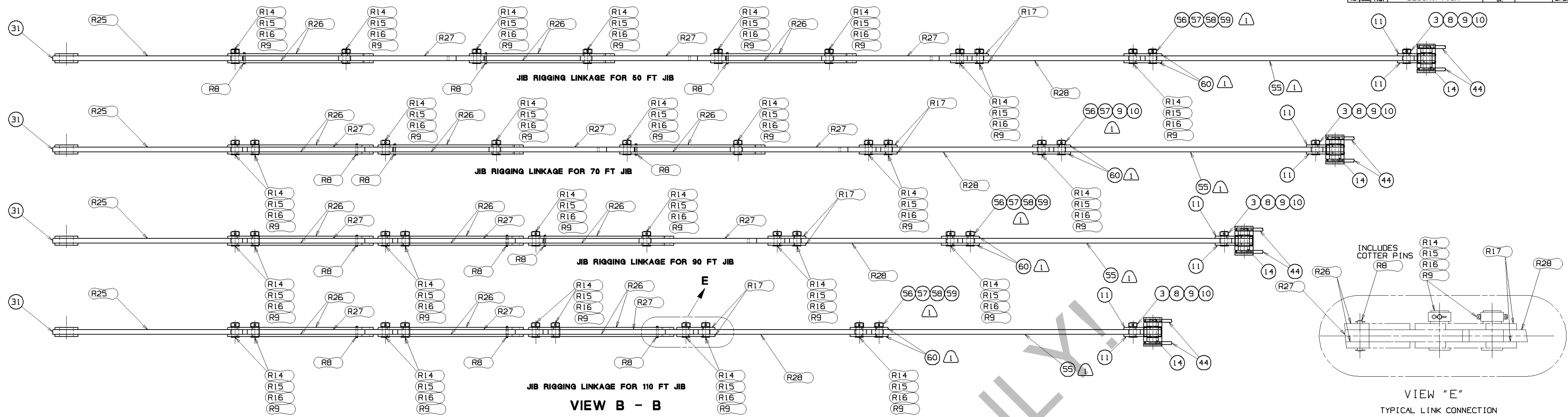
RECOMMENDED #55 BOOM ASSEMBLY
(REFERENCE)
SEE CHART ON BOOM ASSY

RECOMMENDED #79A FIXED JIB ASSEMBLY
SEE CHART ON SHT. 7



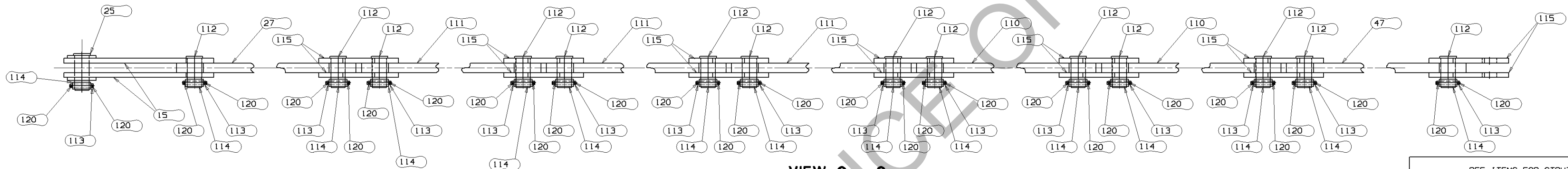
SUPERSEDES A08235 SHEET 2 OF 7 OF 04-13-09

THIS PRINT REMAINS THE PROPERTY OF MANITOWOC CRANES, INC.										TOLERANCE UNLESS OTHERWISE SPECIFIED										DATE: 09-11-11										Manitowoc Cranes, Inc.										FIXED JIB										REV: 10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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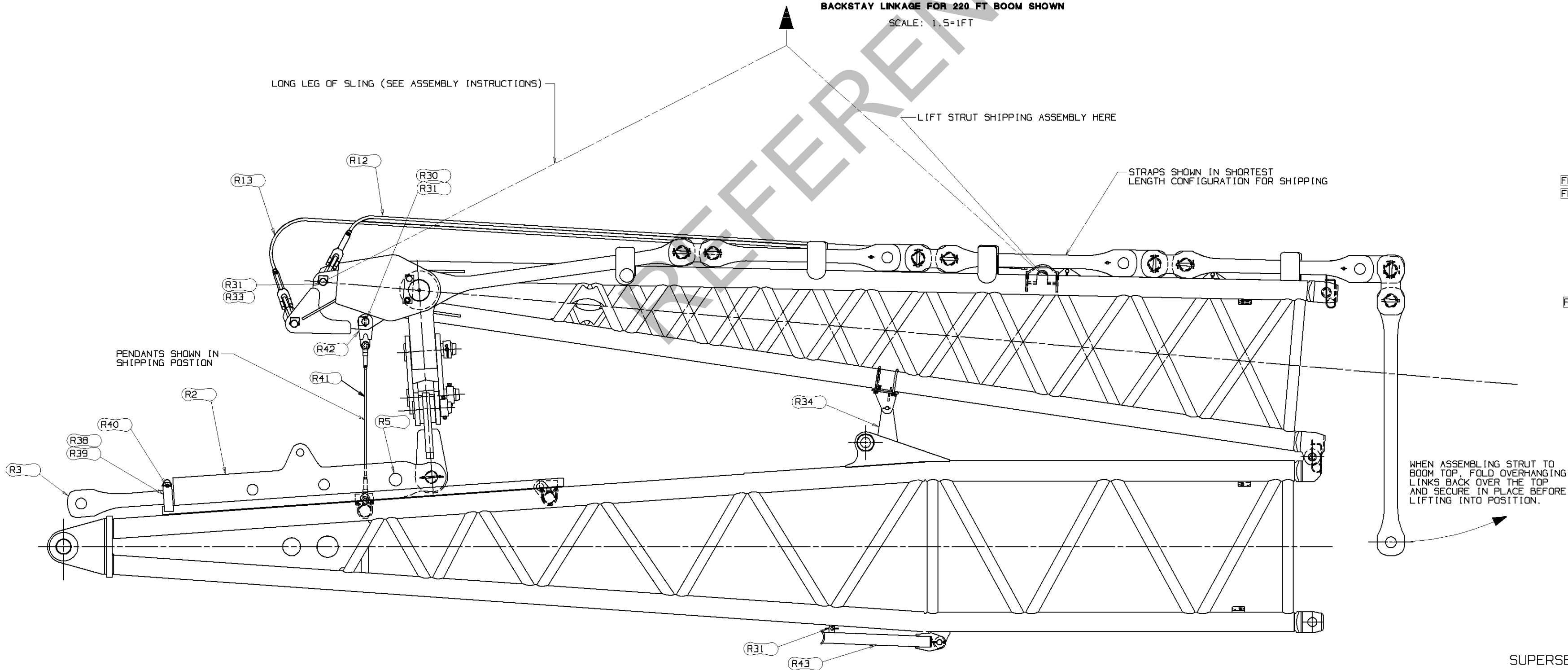


VIEW B - B
SCALE: .75=1FT

VIEW "E"
TYPICAL LINK CONNECTION
SEE REF B/M FOR ITEMS
SCALE: 2"=1FT



VIEW C - C
BACKSTAY LINKAGE FOR 220 FT BOOM SHOWN
SCALE: 1.5=1FT

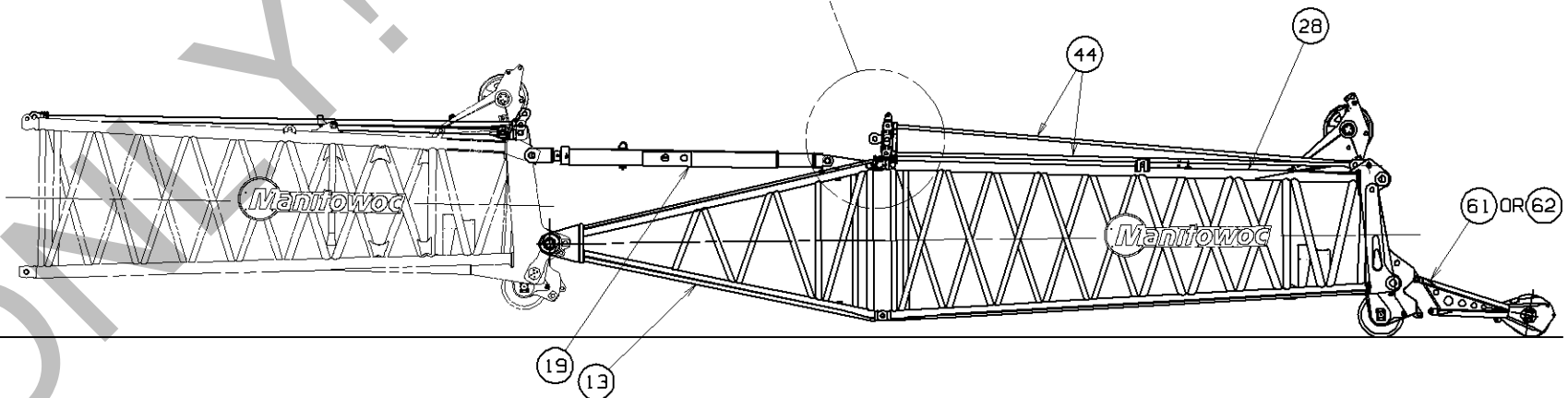
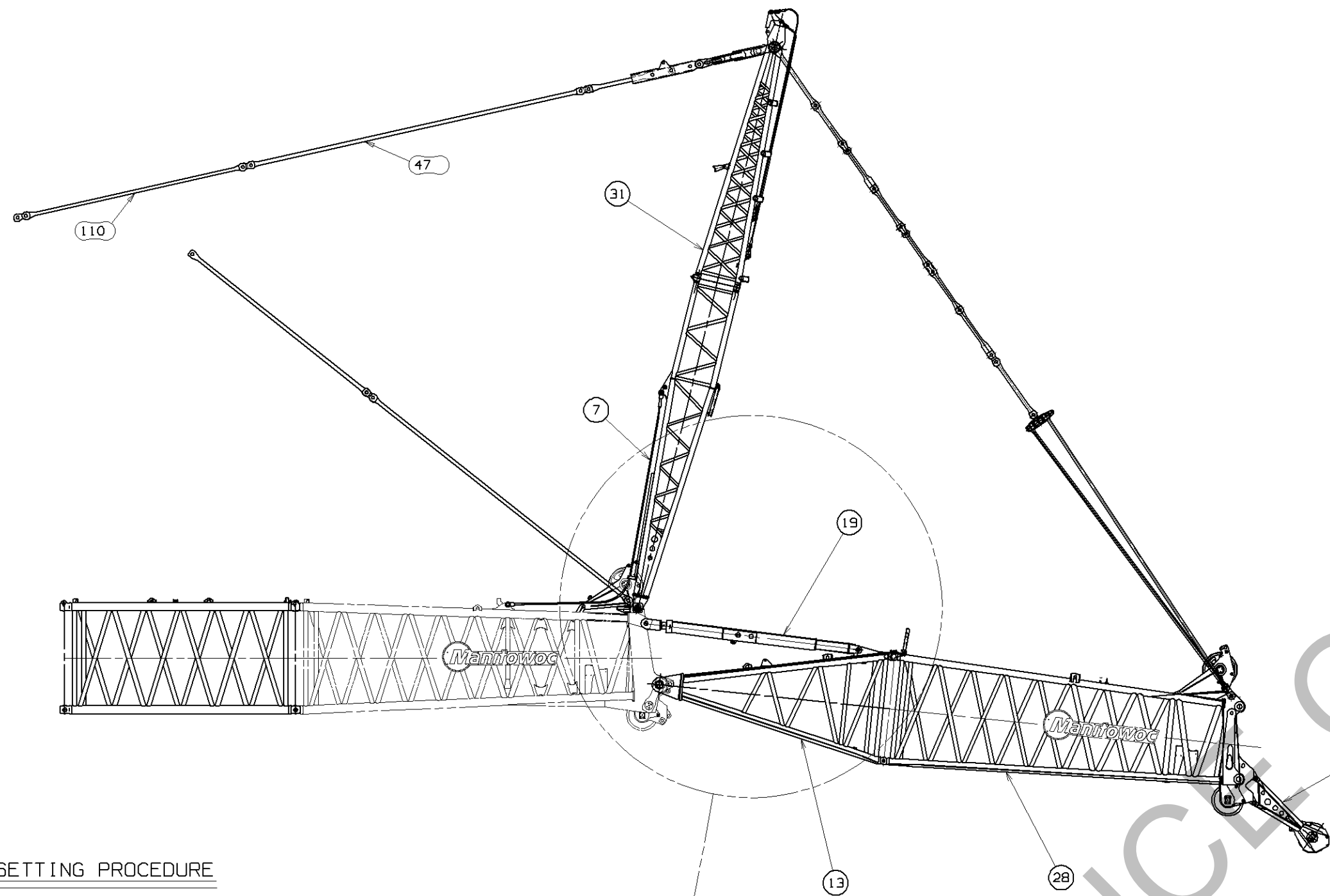


REF ITEMS FOR STRUT ASSEMBLY (SEE A07714 FOR QUANTITIES)		
31	1 STRUT ASSEMBLY	A07714
R1	PIN COTTER .375 X 5.00	562154
R2	LINK ADJUSTABLE	A07799
R3	STRAP JIB SUPPORT	A07800
R4	LINK	A07801
R5	PIN 1 HOLE W/ HD, 3.00 DIA X 6.50 LG	A07804
R6		
R7		
R8	BAR .75 X 5.00	17942
R9	PIN COTTER .250 X 1.50	562105
R10		
R11	PIN COTTER .125 X 1.25	562044
FB3	PENDANT .75 DIA X 20.13 FT	8101207
FB4	PENDANT .75 DIA X 19.30 FT	8101208
R14	PIN 1 HOLE W/ HD	A06149
R15	PIN COTTER 2 HOLE	A06150
R16	COLLAR	A06151
R17	LINK #55 BOOM STRAP	A06457
R18		
R19		
R20		
FB5	LINK	81011965
R21		
R22		
R23		
R24		
R25	LINK	A07874
R26	LINK	A07875
R27	LINK	A07876
R28	STRAP 5FT 7IN #79A FIXED JIB	A07879
R29		
R30	PIN 2 HOLE 2.00 DIA X 4.00 LG	073045
R31	.38 X 2.25 SNAP PIN	563803
R32		
R33	PIN 2 HOLE 2.00 DIA X 6.50 LG	A01572
R34	BRACKET STRUT SUPPORT	A07911
R35	PIN 1 HOLE W/HD 2.50 DIA X 6.63 LG	A07947
R36		
R37	PIN COTTER 2 HOLE 4.25 OD X 7.85 LG	A07947
R38	SUPPORT ADJUSTABLE LINK R.H.	A08125
R39	SUPPORT ADJUSTABLE LINK L.H.	A08126
R40	PIN 2 HOLE	A08127
R41	PENDANT .50 X 3 FT - 3.00 IN LG	A08240
R42	LINK	A08245
R43	SUPPORT STRUT	A08166

STRUT ASSEMBLY AS SHIPPED (ITEM 31)
SEE B/M FOR REFERENCE ITEMS
APPROXIMATE WEIGHT: 16,800 LBS.

SUPERSEDES A08235 SHEET 3 OF 7 OF 01-30-04

BILL OF MATERIAL					ASSEMBLIES USED ON
ITEM NO.	QTY.	DESCRIPTION	UNIT	MATERIAL	



JIB ASSEMBLY
SEE SHT. 7

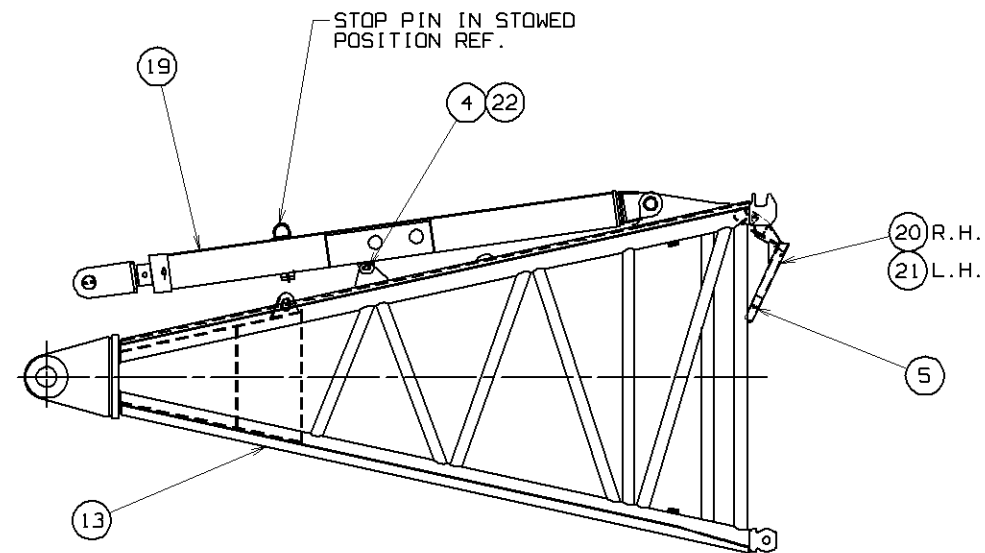
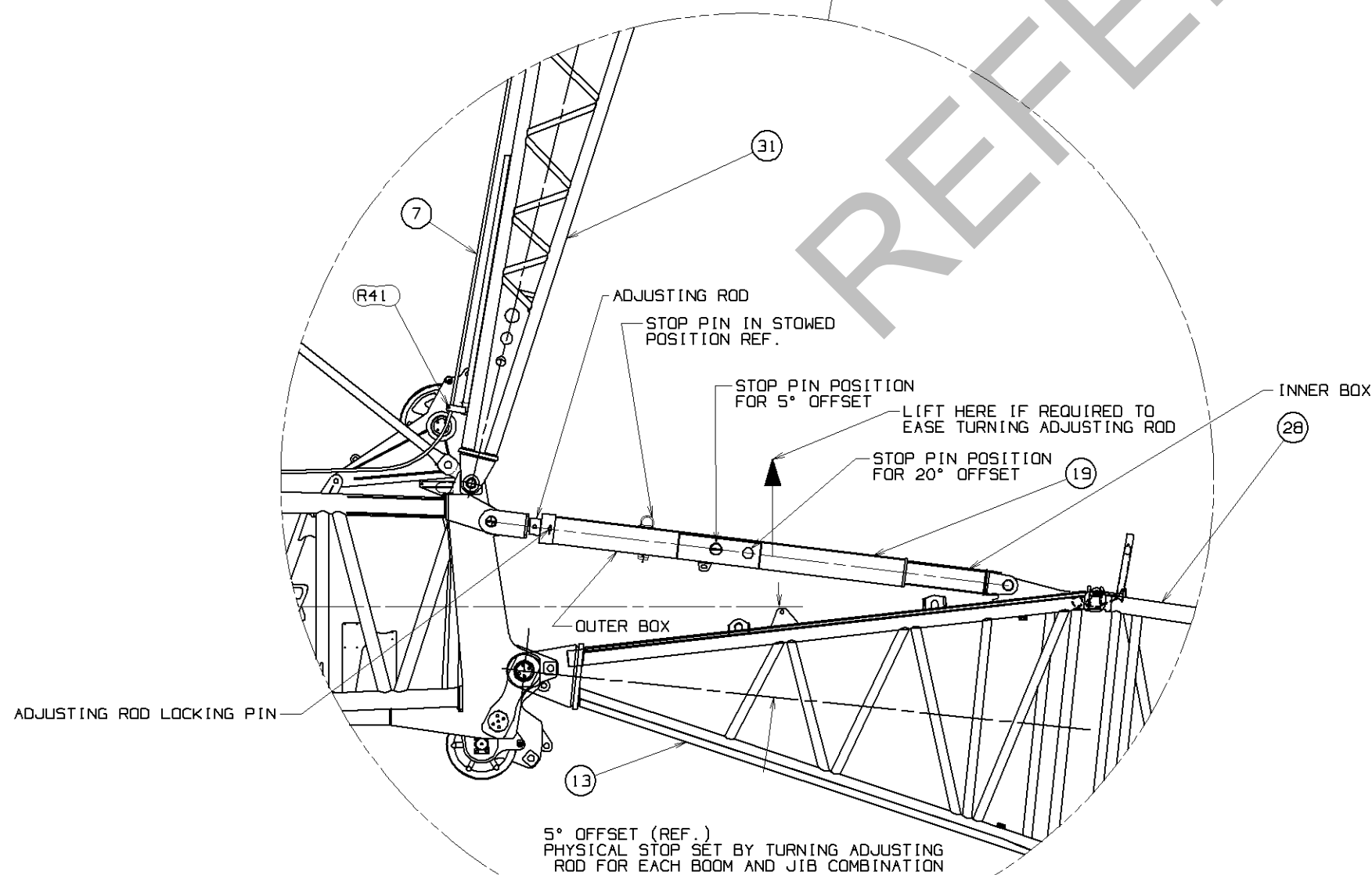
JIB STOP SETTING PROCEDURE

WHEN RAISING JIB

RAISE THE BOOM TO A POINT AT WHICH THE JIB IS JUST CLEAR OF THE BLOCKING. TURN ADJUSTING ROD UNTIL HOLE IN THE OUTER BOX AND THE RADIUS ON THE END OF THE INNER BOX LINE UP AND THE HOLE IN THE OUTER BOX USED TO LOCK THE ADJUSTING ROD LINES UP WITH THE HOLE IN THE ADJUSTING ROD. INSERT THE ADJUSTING ROD LOCKING PIN. (IT MAY BE NECESSARY TO LIFT THE OUTER BOX SLIGHTLY TO ALLOW THE ADJUSTING ROD TO TURN EASILY. SEE VIEW FOR LIFTING LOCATION.) INSERT THE STOP PIN INTO THE PROPER HOLE FOR THE DESIRED OFFSET. CONTINUE RAISING.

WHEN LOWERING JIB

LOWER THE BOOM TO A POINT AT WHICH THE JIB IS JUST CLEAR OF THE BLOCKING. REMOVE STOP PIN AND INSERT IT IN THE STOWAGE POSITION. CONTINUE TO LOWER UNTIL RESTING ON BLOCKING.



JIB STOP AND STRAP SUPPORT BRACKET STOWAGE

JIB STOP STOWAGE

FULLY RETRACT JIB STOP AND INSERT STOP PIN IN STOWAGE POSITION. INSERT PIN - ITEM 22. TYPICAL BOTH SIDES.

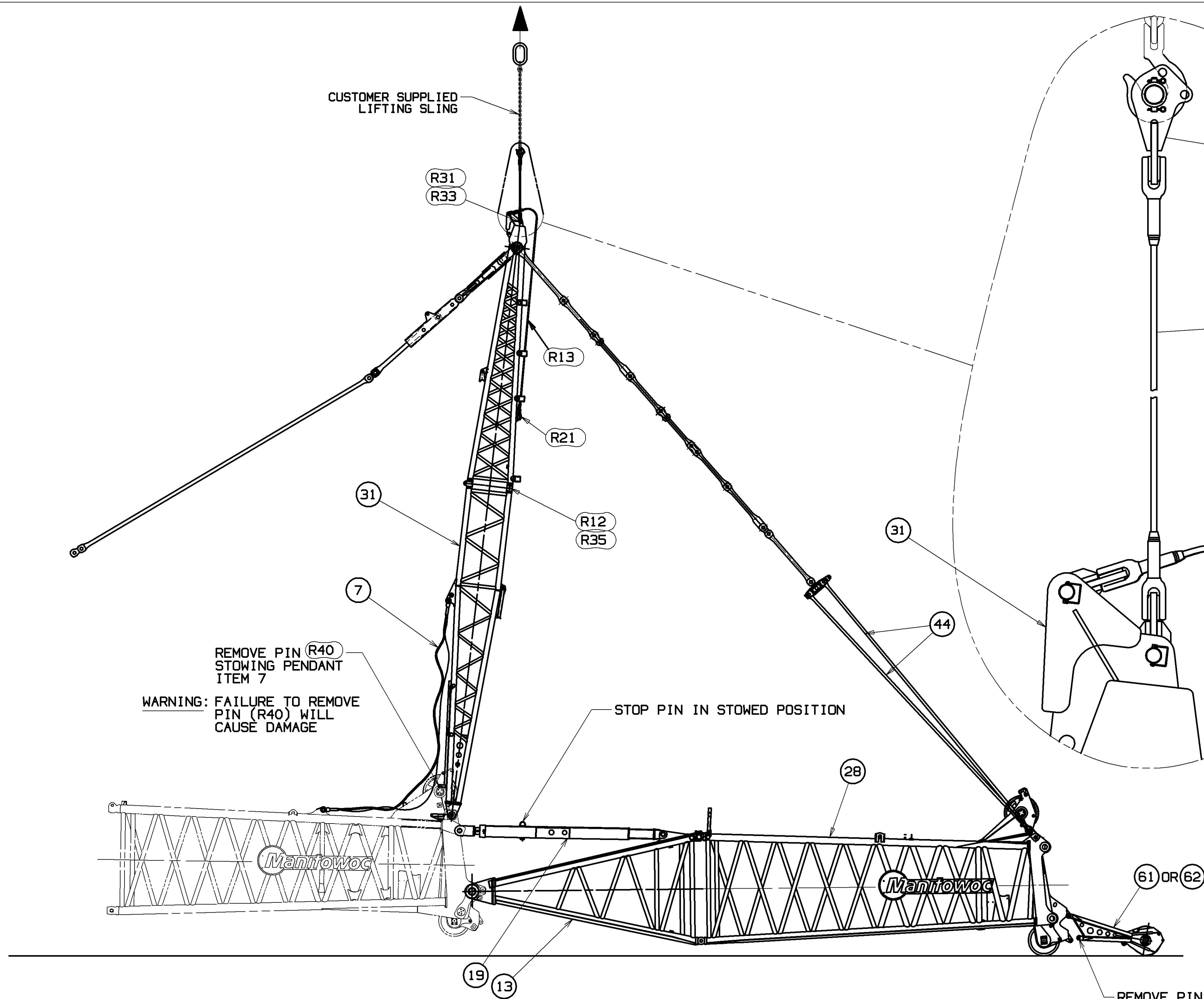
STRAP SUPPORT BRACKET STOWAGE

UNPIN STRAP SUPPORT BRACKET FROM JIB BUTT. TURN SUPPORT AROUND AND PIN BACK IN SAME POSITION. ROTATE SUPPORT DOWN UNTIL STRAP RETAINING PIN ALIGNS WITH LUG ON BUTT. INSERT PIN - ITEM 5.

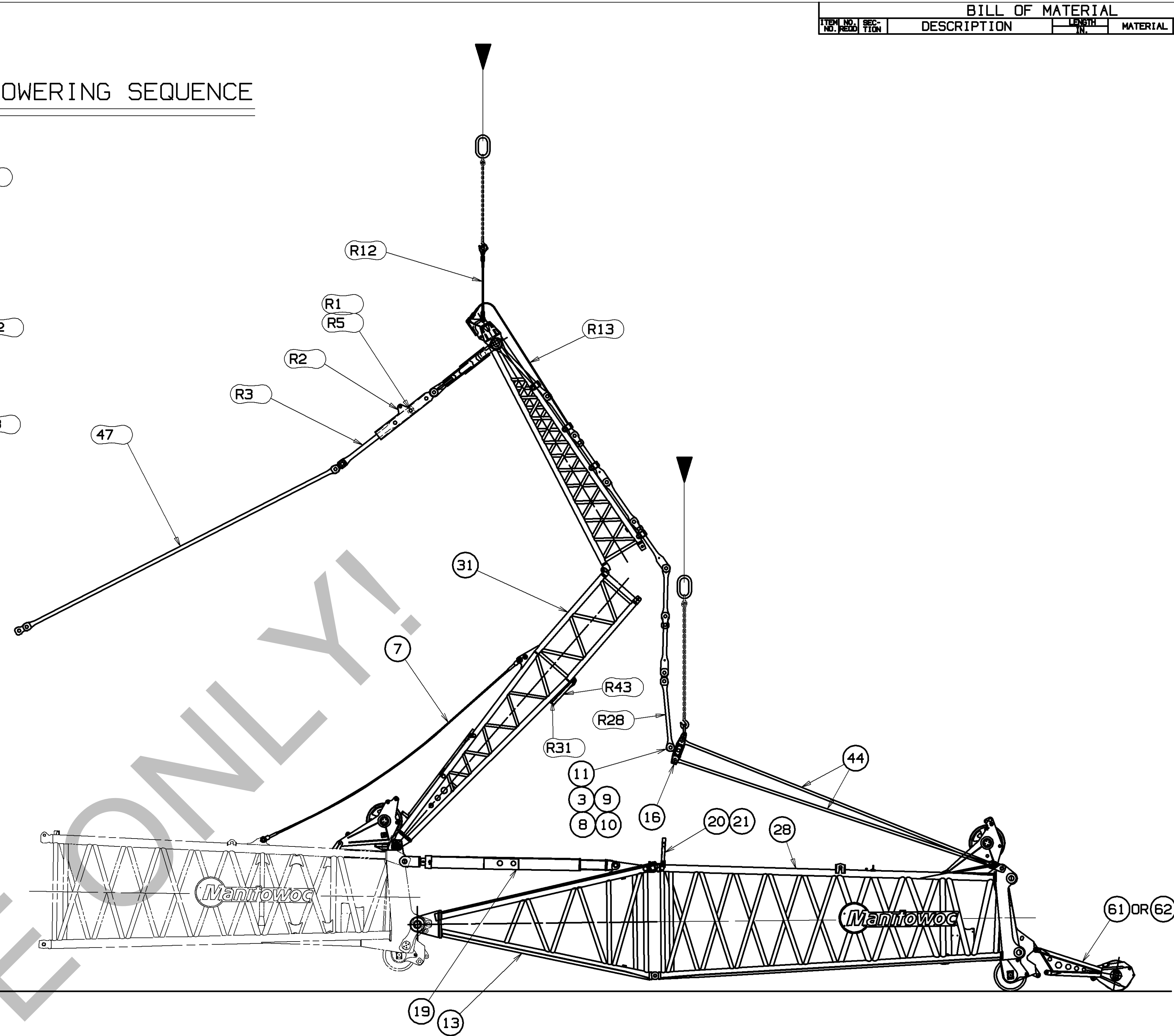
SUPERSEDES A08235 SHEET 5 OF 7 OF 04-13-09

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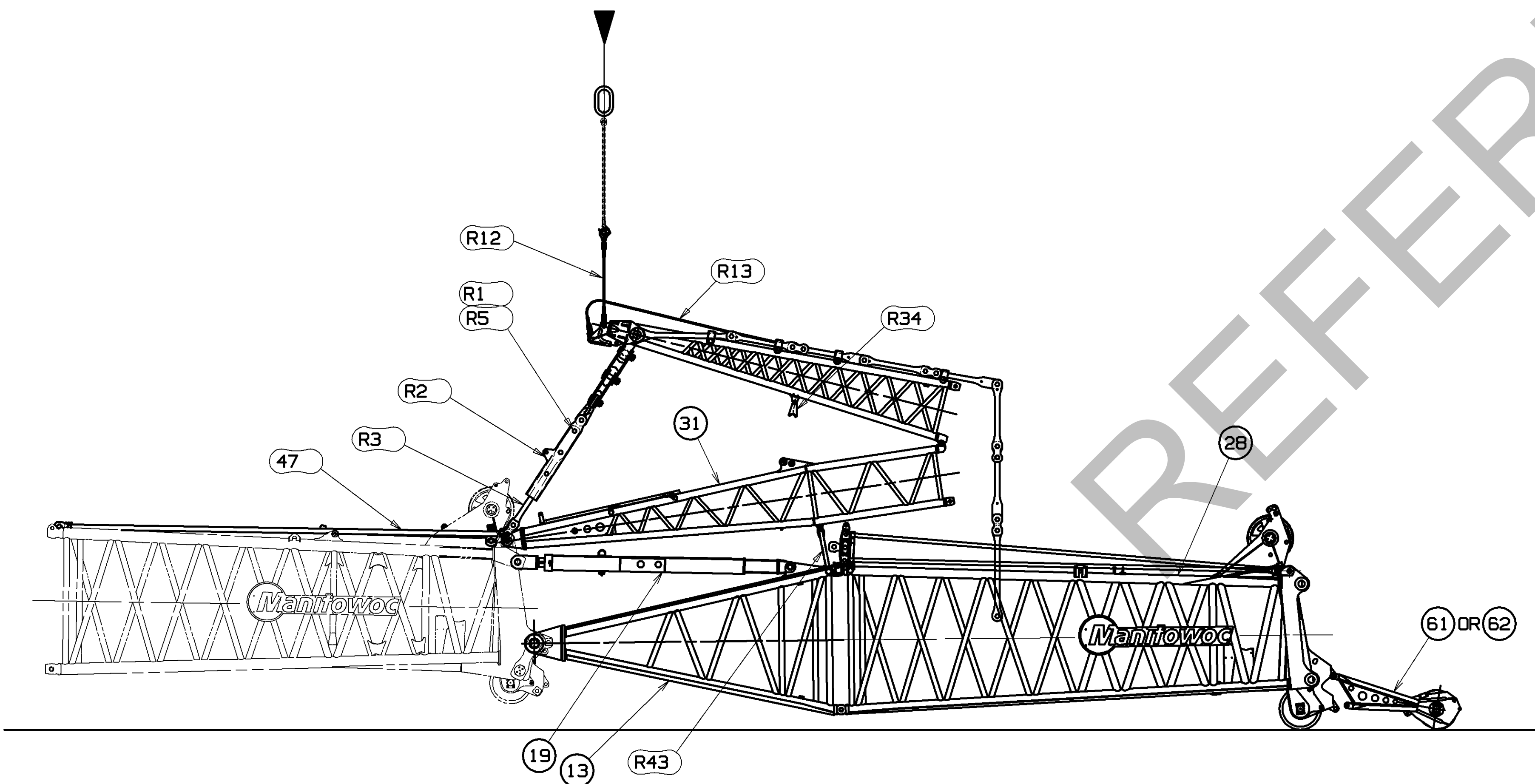
STRUT LOWERING SEQUENCE



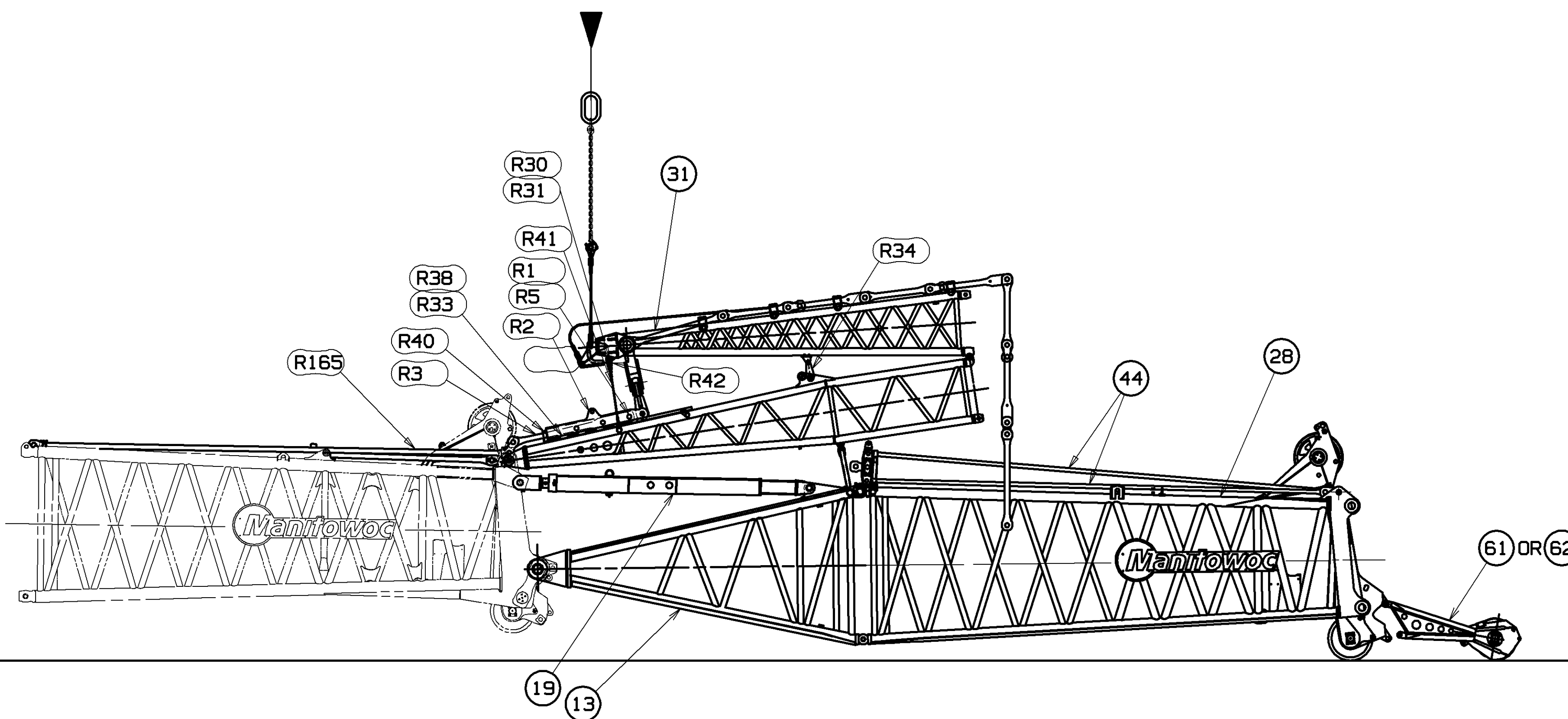
STEP ONE



STEP TWO



STEP THREE



STEP FOUR

SUPERSEDES A08235 SHEET 6 OF 7 OF 04-13-09

TOLERANCE UNLESS OTHERWISE SPECIFIED		FABRICATION		MACHINING		WELDING		APP. R.J.W.		DATE		REV. LNK.		DATE		REV. LNK.	
DECIMAL PLACES		FABRICATION		MACHINING		WELDING		APP. R.J.W.		DATE		REV. LNK.		DATE		REV. LNK.	
(1) PLACE 0.0		±.12		±.18		±.05		±.05		07-15-10		FB		07-15-10		FB	
(2) PLACE 0.00		±.06		±.12		±.015		±.015									
(3) PLACE 0.000		±.006		±.012		±.006		±.006									
ANGLES		±1° 30'		±1° 30'		±1° 30'		±1° 30'									

FIXED JIB ASSEMBLY INSTRUCTIONS

JIB ASSEMBLY					
SEE SHT 2 FOR JIB MAKE-UP					
ITEM NO.		13	29	30	28
JIB LENGTH					
FEET	METERS	20 FT BUTT	20 FT. INSERT	40 FT. INSERT	30 FT TOP
50	15.2	1	0	0	1
70	21.3	1	1	0	1
90	27.4	1	0	1	1
110	33.5	1	1	1	1

ASSEMBLE THE JIB PER THE RECOMMENDED JIB ASSEMBLY DIAGRAMS SHOWN ON SHT. 2 TO THE DESIRED LENGTH. BEFORE ASSEMBLING THE TOP OR INSERTS TO THE JIB BUTT (ITEM 13), REMOVE STRAP SUPPORT BRACKETS (ITEMS 20 & 21) FROM STOWED POSITION AND MOUNT TO THE BUTT AS SHOWN ON SHT. 5. AFTER THE TOP OR INSERT IS ADDED, SUPPORT OUTSIDE STRAPS ON TOP OF THE STORAGE PIN. RAISE INSIDE STRAP AND ROTATE THE STRAP SUPPORT BRACKETS FORWARD UNTIL THEY REST ON THE CROSS TUBE ON EITHER THE TOP OR THE INSERT. ASSEMBLE STRAP RETAINING PIN FURNISHED WITH THE TOP OR THE INSERT THRU THE LOWER HOLE IN THE STRAP SUPPORT BRACKET AND THE STRAP LUGS MOUNTED ON THE TOP OR INSERT (SEE SHT. 5). INSERT PINS (ITEMS 5) THRU THE STRAP BRACKETS AS SHOWN ON SHT. 5. LAY UPPER STRAPS (44) ON THESE PINS AND ATTACH THE ASSEMBLED EQUALIZER (ITEM 16). REMOVE THE STORAGE PINS FROM UNDER STRAPS TO ALLOW EQUALIZER ASSEMBLY TO REST ON SUPPORT BRACKET. THIS IS TYPICAL ON BOTH R.H. & L.H. SIDES.

DETACH THE JIB STOP (ITEM 19) FROM THE STOWED POSITION ON THE JIB BUTT (ITEM 13) AND ATTACH THE CLEVIS END TO THE BOOM TOP AS SHOWN ON SHT. 3 OF 7. STOP PIN SHOULD BE IN THE STOWED POSITION.

ASSEMBLE THE STRUT ASSEMBLY (ITEM 31) IN THE SHIPPING CONFIGURATION AS SHOWN ON SHT. 3. NOTE THAT THE ADJUSTABLE LINK (R2) AND THE JIB STRAP (R3) ARE ASSEMBLED TO THE SHORTEST LENGTH. ASSEMBLE THE JIB STRAPS IN THE CONFIGURATION REQUIRED FOR THE SPECIFIC JIB LENGTH AND OFFSET REQUIRED (SEE SHT. 3 - VIEW B-B). LINKS EXTENDING BEYOND THE STRUT SHOULD BE FOLDED BACK OVERTOP LINKS AND SECURED IN THAT POSITION. LIFT STRUT ASSEMBLED IN THE SHIPPING CONFIGURATION USING THE LOCATIONS SHOWN ON SHT. 3. NOTE THAT THE LONG LEG OF THE SLING SET SHOULD BE TOWARD THE STRUT BUTT HINGE PIN SO THAT WHEN THE ASSEMBLY IS LIFTED THIS END WILL BE THE LOWEST. THIS IS REQUIRED TO CONNECT THE JIB BUTT TO THE BOOM TOP AND ALSO TO ALLOW SUPPORT LEG (R34) TO ACHIEVE ITS PROPER POSITION.

STRUT ERECTION SEQUENCE

(SEE SHT. 4)

STEP 1:
ASSEMBLE STRUT ASSEMBLY (ITEM 31) TO THE BOOM TOP WITH PIN (R37) AND ALIGN SUPPORT STRUTS (R43) WITH THE CROSS TUBE IN THE JIB BUTT (ITEM 13). UNFOLD OVERLAPPED LINKS FROM THE STRUT TOP AND ALLOW THEM TO HANG DOWN OUTSIDE OF THE JIB. DISCONNECT THE PENDANTS (R41) AND STOW THEM AS SHOWN ON SHT. 4 - STEP 1. REMOVE LINK RETAINING PIN (R40) AND STOW IN POSITION SHOWN ON SHT. 4 - STEP 1. CONNECT LINKS (R17) TO STRAPS (R3).

STEP 2:
REMOVE BRACKET (R21) PIN TO DISENGAGE THE PENDANTS (R13) AND CONNECT IT AS SHOWN IN STEP 2 - SHT. 4. BEGIN LIFTING THE STRUT USING PENDANTS (R13) IN THE STRUT TOP. CONTINUE RAISING THE STRUT TOP UNTILL THE HOLE LOCATION IN THE ADJUSTABLE LINK (R2) AS ALIGNED IN THE PROPER LOCATION BASED ON THE BOOM LENGTH (SEE TABLE - SHT. 7). INSERT PIN (R5).

STEP 3:
CONTINUE RAISING THE STRUT TOP UNTILL THE STRUT BUTT COMES OFF OF THE JIB BUTT. STOW SUPPORT STRUTS (R43) AS SHOWN IN STEP 3 - SHT. 4. LOOSEN THE TIE DOWN BOLTS ON STRAP BRACKETS (ITEM 18) AND ROTATE THE STRAP BRACKET TO THE STOWED POSITION. IMPORTANT! THESE STRAP BRACKETS MUST BE STOWED BEFORE FULLY RAISING STRUT. CONTINUE RAISING STRUT UNTIL PENDANT (ITEM 7) CAN BE INSTALED. LOWER UNTIL PENDANT BECOMES SNUG. RAISE THE EQUALIZER BRACKET UNTIL DANGLING STRAP CAN BE PINNED TO CONNECTOR LINKS (ITEM 11). UNHOOK LIFTING DEVICE FROM EQUALIZER BRACKET.

STEP 4:
CONTINUE RAISING THE STRUT SLOWLY UNTIL THE CONNECTION BETWEEN THE STRUT BUTT AND STRUT TOP CLOSES. INSERT PINS (R35). DISCONNECT THE LIFTING DEVICE FROM THE STRUT TOP AND STOW BACK THE PENDANT (R13), BRACKET (R21) ON STRUT TOP. STOW PENDANT (ITEM 7) ON STRUT BUTT WITH PIN (R40).

STRUT STOP SETTING

ONCE THE STRUT ASSEMBLY (ITEM 13) IS FULLY ERECTED, RAISE BOOM UNTIL THE JIB IS JUST CLEAR OF THE BLOCKING. ADJUST THE STRUT STOP (ITEM 19) AS SHOWN ON SHT. 5.

STRUT LOWERING SEQUENCE

(SEE SHT. 6)

STEP 1:
LOWER BOOM UNTIL THE JIB IS ALMOST ON THE BLOCKING. REMOVE BRACKET (R21) PIN TO DISENGAGE THE PENDANTS (R12) AND CONNECT IT AS SHOWN IN STEP 1 - SHT. 7. CONTINUE LOWERING UNTIL THE JIB RESTS ON THE BLOCKING. REMOVE THE LOWER PIN OF THE UPPER BOOM POINT ASSEMBLY (ITEM 34) IF NECESSARY TO PROVIDE CLEARANCE. REMOVE PIN (R40). STOWING PENDANT (ITEM 7). WARNING: FAILURE TO REMOVE PIN (R40) WILL CAUSE DAMAGE. AFTER LIFTING DEVICE TO THE STRUT TOP WITH PINS (R33) IN THE TOP PIN POSITION. (SEE STEP 1 - SHT 6.) REMOVE FRONT STRUT CONNECTION PINS (R35).

STEP 2:
CONTINUE TO LIFT UNTIL THE FRONT JOINT BETWEEN THE STRUT TOP AND JIB BUTT OPENS. BEGIN LOWERING THE STRUT AND CONTINUE UNTIL PENDANT (ITEM 7) BECOMES SNUG AS SHOWN IN STEP 2 - SHT. 6. DISCONNECT THE STRAP (R28 OR ITEM 27) FROM THE EQUALIZER BRACKET (ITEM 16) AND LOWER EQUALIZER BRACKET UNTIL IT RESTS ON THE STRAP SUPPORT BRACKET (ITEM 20 AND 21).

STEP 3:
RAISE STRUT AND REMOVE PENDANT (ITEM 7). CONTINUE LOWERING THE STRUT AND DETACH SUPPORT STRUT (R43) FORM ITS STOWED POSITION. THESE STRUTS SUPPORT THE STRUT BUTT ON THE END CROSS TUBE OF THE JIB BUTT (SEE STEP 3 - SHT. 6). DETACH THE STRAP BRACKETS (ITEM 18) FROM THEIR STOWED POSITION AND FASTEN THEM IN THE WORKING POSITION. ONCE THE BOOM TOP STRAPS (ITEM 47) COME TO REST ON THE STRAP BRACKETS, REMOVE THE PINS (R23) FROM THE ADJUSTABLE LINK (R2) AND CONTINUE LOWERING THE STRUT TOP AND REPIN (R23) WITH THE ADJUSTABLE LINK AT ITS SHORTEST LENGTH.

STEP 4:
CONTINUE TO LOWER THE STRUT TOP UNTIL STRUT SUPPORT BRACKETS (R34) RESTS ON STRUT BUTT CROSS TUBE (SEE STEP 4 - SHT. 6). REMOVE PENDANTS (R41) FROM ITS STOWED POSITION AND ATTACH THEM TO THE STRUT TOP AS SHOWN. REMOVE PINS (R40) FROM THEIR STOWED POSITION AND ASSEMBLE TO LINK SUPPORTS (R38 AND R39) TO SECURE STRAPS. IF PREPARING FOR SHIPPING, ASSEMBLE JIB LINKAGE IN SHORTEST POSSIBLE CONFIGURATION AS SHOWN ON SHT. 3. REMOVE THE BRACKET (R21) PIN TO DISENGAGE PENDANTS AND STOW THEM BACK ON THE STRUT TOP.

STEP 5:
IF PREPARING FOR SHIPPING, DISASSEMBLE THE PENDANTS (ITEM 44) FROM THE EQUALIZER BRACKET (ITEM 16) IN THE REVERSE MANNER OF THAT STATED ABOVE IN THE JIB ASSEMBLY INSTRUCTIONS. REMOVE THE STRAP SUPPORT BRACKETS (ITEMS 20 & 21) AND REASSEMBLE THEM IN THEIR STOWED POSITION AS SHOWN ON SHT. 5.

BILL OF MATERIAL					
ITEM NO.	QTY	DESC	UNIT	MATERIAL	QTY

ASSEMBLIES USED ON

REVISIONS

QTY NO
A08235
SHT 7 OF 7

PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 6829103794 FOR COMPONENTS LISTED IN 682904-05-025

SUPERSEDES A08235 SHEET 7 OF 7 OF 04-13-09

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QTY NO										DR. JAS CHK JAS APP RJW		Manitowoc Cranes, Inc. Manitowoc, Wisconsin		A08235			