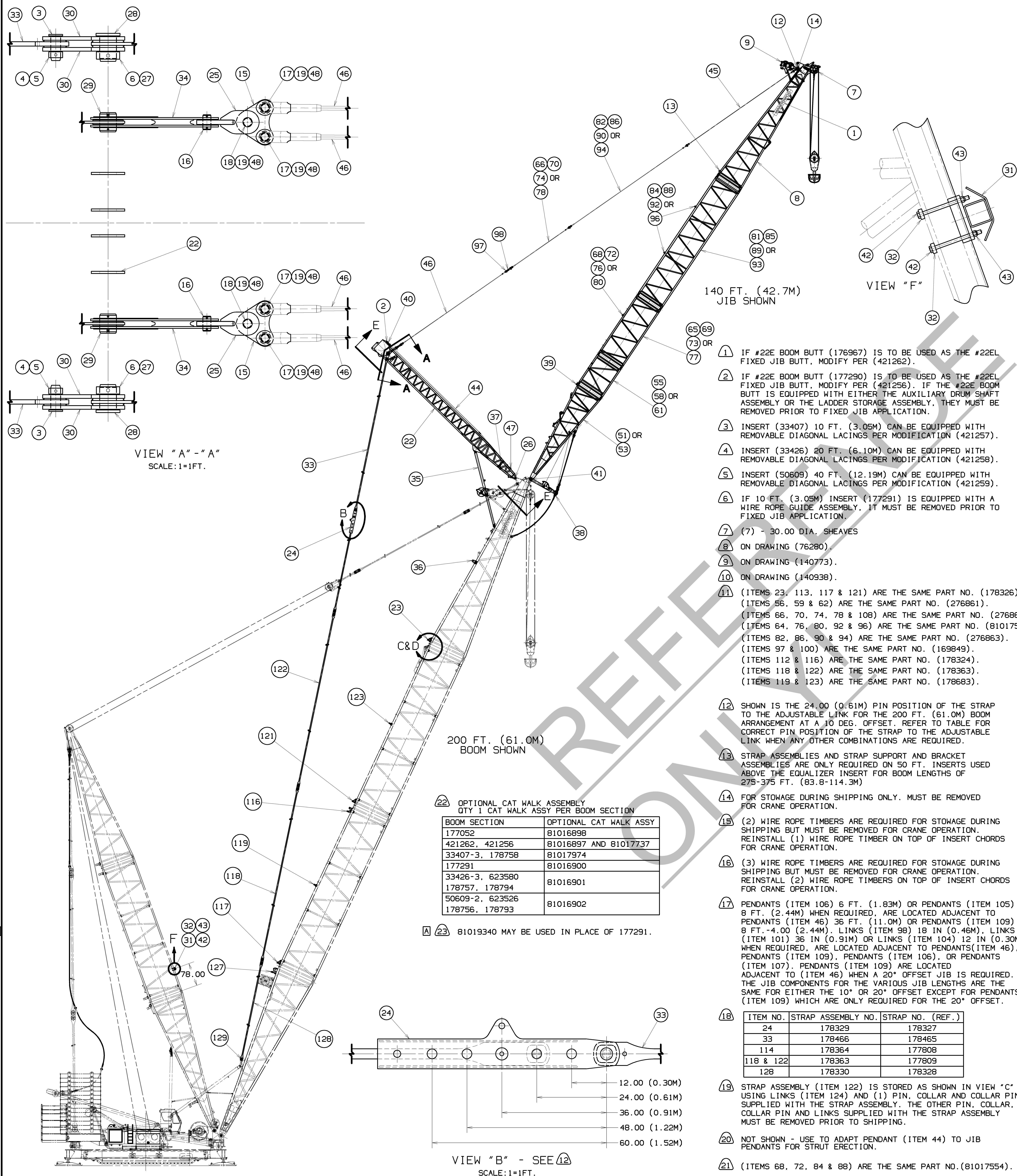




BOOM SECTION	OPTIONAL CAT WALK ASSY
177052	81016898
421262, 421256	81016897 AND 81017737
33407-3, 178758	81017974
177291	81016900
33426-3, 623580	81016901
178757, 178794	
50609-2, 623526	81016902
178756, 178793	

81019340 MAY BE USED IN PLACE OF 177291.

VIEW "B" - SEE 12
SCALE: 1=1FT.

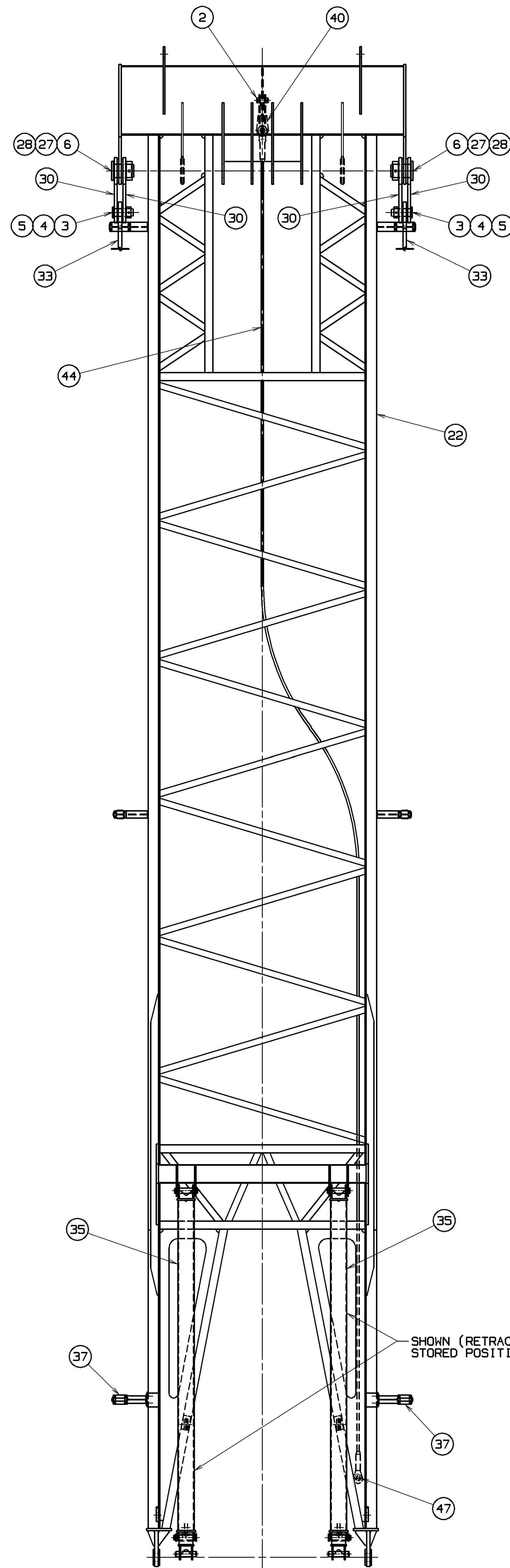
- 1 IF #22E BOOM BUTT (176967) IS TO BE USED AS THE #22EL FIXED JIB BUTT, MODIFY PER (421262).
- 2 IF #22E BOOM BUTT (177290) IS TO BE USED AS THE #22EL FIXED JIB BUTT, MODIFY PER (421256). IF THE #22E BOOM BUTT IS EQUIPPED WITH EITHER THE AUXILIARY DRUM SHAFT ASSEMBLY OR THE LADDER STORAGE ASSEMBLY, THEY MUST BE REMOVED PRIOR TO FIXED JIB APPLICATION.
- 3 INSERT (33407) 10 FT. (3.05M) CAN BE EQUIPPED WITH REMOVABLE DIAGONAL LACINGS PER MODIFICATION (421257).
- 4 INSERT (33426) 20 FT. (6.10M) CAN BE EQUIPPED WITH REMOVABLE DIAGONAL LACINGS PER MODIFICATION (421258).
- 5 INSERT (50609) 40 FT. (12.19M) CAN BE EQUIPPED WITH REMOVABLE DIAGONAL LACINGS PER MODIFICATION (421259).
- 6 IF 10 FT. (3.05M) INSERT (177291) IS EQUIPPED WITH A WIRE ROPE GUIDE ASSEMBLY, IT MUST BE REMOVED PRIOR TO FIXED JIB APPLICATION.
- 7 (7) - 30.00 DIA. SHEAVES
- 8 ON DRAWING (76280).
- 9 ON DRAWING (140773).
- 10 ON DRAWING (140938).
- 11 (ITEMS 23, 113, 117 & 121) ARE THE SAME PART NO. (178326). (ITEMS 56, 59 & 62) ARE THE SAME PART NO. (276861). (ITEMS 66, 70, 74, 78 & 108) ARE THE SAME PART NO. (276862). (ITEMS 64, 76, 80, 92 & 96) ARE THE SAME PART NO. (81017555). (ITEMS 82, 86, 90 & 94) ARE THE SAME PART NO. (276863). (ITEMS 97 & 100) ARE THE SAME PART NO. (169849). (ITEMS 112 & 116) ARE THE SAME PART NO. (178324). (ITEMS 118 & 122) ARE THE SAME PART NO. (178363). (ITEMS 119 & 123) ARE THE SAME PART NO. (178683).
- 12 SHOWN IS THE 24.00 (0.61M) PIN POSITION OF THE STRAP TO THE ADJUSTABLE LINK FOR THE 200 FT. (61.0M) BOOM ARRANGEMENT AT A 10 DEG. OFFSET. REFER TO TABLE FOR CORRECT PIN POSITION OF THE STRAP TO THE ADJUSTABLE LINK WHEN ANY OTHER COMBINATIONS ARE REQUIRED.
- 13 STRAP ASSEMBLIES AND STRAP SUPPORT AND BRACKET ASSEMBLIES ARE ONLY REQUIRED ON 50 FT. INSERTS USED ABOVE THE EQUALIZER INSERT FOR BOOM LENGTHS OF 275-375 FT. (83.8-114.3M)
- 14 FOR STOWAGE DURING SHIPPING ONLY. MUST BE REMOVED FOR CRANE OPERATION.
- 15 (2) WIRE ROPE TIMBERS ARE REQUIRED FOR STOWAGE DURING SHIPPING BUT MUST BE REMOVED FOR CRANE OPERATION. REINSTALL (1) WIRE ROPE TIMBER ON TOP OF INSERT CHORDS FOR CRANE OPERATION.
- 16 (3) WIRE ROPE TIMBERS ARE REQUIRED FOR STOWAGE DURING SHIPPING BUT MUST BE REMOVED FOR CRANE OPERATION. REINSTALL (2) WIRE ROPE TIMBERS ON TOP OF INSERT CHORDS FOR CRANE OPERATION.
- 17 PENDANTS (ITEM 106) 6 FT. (1.83M) OR PENDANTS (ITEM 105) 8 FT. (2.44M) WHEN REQUIRED, ARE LOCATED ADJACENT TO PENDANTS (ITEM 46) 36 FT. (11.0M) OR PENDANTS (ITEM 109) 8 FT.-4.00 (2.44M). LINKS (ITEM 98) 18 IN (0.46M), LINKS (ITEM 101) 36 IN (0.91M) OR LINKS (ITEM 104) 12 IN (0.30M). WHEN REQUIRED, ARE LOCATED ADJACENT TO PENDANTS (ITEM 46), PENDANTS (ITEM 109), PENDANTS (ITEM 106), OR PENDANTS (ITEM 107). PENDANTS (ITEM 109) ARE LOCATED ADJACENT TO (ITEM 46) WHEN A 20° OFFSET JIB IS REQUIRED. THE JIB COMPONENTS FOR THE VARIOUS JIB LENGTHS ARE THE SAME FOR EITHER THE 10° OR 20° OFFSET EXCEPT FOR PENDANTS (ITEM 109) WHICH ARE ONLY REQUIRED FOR THE 20° OFFSET.
- 18
- | ITEM NO. | STRAP ASSEMBLY NO. | STRAP NO. (REF.) |
|-----------|--------------------|------------------|
| 24 | 178329 | 178327 |
| 33 | 178466 | 178465 |
| 114 | 178364 | 177808 |
| 118 & 122 | 178363 | 177809 |
| 128 | 178330 | 178328 |
- 19 STRAP ASSEMBLY (ITEM 122) IS STORED AS SHOWN IN VIEW "C" USING LINKS (ITEM 124) AND (1) PIN, COLLAR AND COLLAR PIN SUPPLIED WITH THE STRAP ASSEMBLY. THE OTHER PIN, COLLAR, COLLAR PIN AND LINKS SUPPLIED WITH THE STRAP ASSEMBLY MUST BE REMOVED PRIOR TO SHIPPING.
- 20 NOT SHOWN - USE TO ADAPT PENDANT (ITEM 44) TO JIB PENDANTS FOR STRUT ERECTION.
- 21 (ITEMS 68, 72, 84 & 88) ARE THE SAME PART NO. (81017554).

BILL OF MATERIAL			
ITEM NO.	DESCRIPTION	QTY	UNIT
FIXED JIB RIGGING ASSEMBLY WITH NON STOWABLE PENDANTS (CONTINUED)			
2186-1100 INSERT 40 FT. W/OUT JIB BACKSTAY			
811	INSERT 40 FT. (12.19M)	50609-25.22	
824	PENDANT 40 FT.-0.00 (12.19M)	2768638.11	
83			
842	TIMBER 94.50IN X 3.50IN X 3.50IN	8101755421	
2186-1110 INSERT 40 FT. WITH JIB BACKSTAY			
851	INSERT 40 FT. (12.19M)	6235265.22	
864	PENDANT 40 FT.-0.00 (12.19M)	2768638.11	
87			
882	TIMBER 94.50IN X 3.50IN X 3.50IN	8101755421	
2186-1120 INSERT 40 FT. W/OUT JIB BACKSTAY EQUIPPED WITH REMOVABLE DIAGONAL LACINGS			
891	INSERT 40 FT. (12.19M)	17875622	
904	PENDANT 40 FT.-0.00 (12.19M)	2768638.11	
91			
923	TIMBER 85.50IN X 3.50IN X 3.50IN	8101755511.16	
2186-1130 INSERT 40 FT. WITH JIB BACKSTAY EQUIPPED WITH REMOVABLE DIAGONAL LACINGS			
931	INSERT 40 FT. (12.19M)	17879322	
944	PENDANT 40 FT.-0.00 (12.19M)	2768638.11	
95			
963	TIMBER 85.50IN X 3.50IN X 3.50IN	8101755511.16	
2186-1140 LINK 18.00 (0.46M) & PIN - SEE TABLE			
974	PIN	16984911	
984	LINK	178470	
99			
2186-1150 LINK 36.00 (0.91M) & PIN - SEE TABLE			
1004	PIN	16984911	
1014	LINK	178471	
2186-1155 LINK 12.00 (0.30M) & PIN - SEE TABLE			
1038	PIN	177613	
1044	LINK	179066	
2186-1160 PENDANT 6 FT. (1.83M) - SEE TABLE			
1064	PENDANT 6 FT. (1.83M)	2774518.17	
2186-1170 PENDANT 8 FT. (2.44M) - SEE TABLE			
1074	PENDANT 8 FT. (2.44M)	2774528.17	
2186-1180 PENDANT 20 FT.-1.50 (6.13M) - SEE TABLE			
1084	PENDANT 20 FT.-1.50 (6.13M)	2774268.11	
2186-1190 PENDANT 8 FT.-4.00 (2.54M)- REQUIRED FOR 20° OFFSET JIB			
1094	PENDANT 8 FT.-4.00 (2.54M)	2774418.17	
OPTIONAL FIXED JIB PARTS ASSEMBLY LIST			
1101	UPPER BOOM POINT ASSEMBLY	170419	
111	CAT WALK ASSY 40FT #22L OR #82 TOP	8101689822	
137	CAT WALK ASSY 30FT #22E OR #22EL BUTT	8101689722	
138	CAT WALK ASSY 30FT #22EL FIXED JIB BUTT	8101773722	
139	CAT WALK ASSY 10FT #22 INSERT	8101697422	
140	CAT WALK ASSY 10FT #22 INSERT	8101690022	
141	CAT WALK ASSY 20FT #22 OR #82 INSERT	8101690122	
142	CAT WALK ASSY 40FT #22 OR #82 INSERT	8101690222	
BOOM COMPONENTS REQUIRED FOR USE WITH VARIOUS BOOM LENGTHS - SEE TABLE			
2186-1200 STRAP ASSEMBLY 25 FT. (7.6M) USED WITH 25 FT. INSERT-BOOM LENGTHS OF 125-375 FT. (38.1-114.3M)-SEE TABLE			
1122	STRAP SUPPORT ASSEMBLY (LOWER)	17832411	
1132	STRAP SUPPORT ASSEMBLY (UPPER)	17832611	
1142	STRAP ASSEMBLY 25 FT. (7.62M)	17836418	
2186-1210 STRAP ASSEMBLY 50 FT. (15.2M) USED WITH 50 FT. INSERT - SEE TABLE & 13			
1162	STRAP SUPPORT ASSEMBLY (LOWER)	17832411	
1172	STRAP SUPPORT ASSEMBLY (UPPER)	17832611	
1182	STRAP ASSEMBLY 50 FT. (15.2M)	17836318	
1192	STRAP BRACKET ASSEMBLY	17868311	
2186-1220 STRAP ASSEMBLY 50 FT. (15.2M) USED WITH 50 FT. EQUALIZER INSERT - BOOM LENGTHS OF 175-250 FT. (53.3-76.2M) - SEE TABLE & 13			
1212	STRAP SUPPORT ASSEMBLY (UPPER)	17832611	
1222	STRAP ASSEMBLY 50 FT. (15.2M)	17836318	
1232	STRAP BRACKET ASSEMBLY	17868311	
1244	LINK	178742	
1252	PIN	178322	
2186-1230 STRAP & STRAP BRACKET ASSEMBLY & PINS-REQ'D. FOR BOOM LENGTHS OF 125-250 FT. (38.1-76.2M)			
1272	STRAP BRACKET ASSEMBLY (LOWER)	178325	
1282	STRAP ASSEMBLY 28FT.-7.0 (8.7M)	17833018	
1292	PIN	178469	
2186-1240 LINKS, SPACERS, COLLARS AND PINS - REQ'D FOR BOOM LENGTHS OF 275-375 FT. (83.8-114.3M) - SEE VIEW "D"			
1312	PIN	173633	
1322	COLLAR	173676	
1332	PIN	173678	
1342	SPACER	178740	
1354	LINK 20.50 (0.52M)	178741	
1362	PIN	179002	

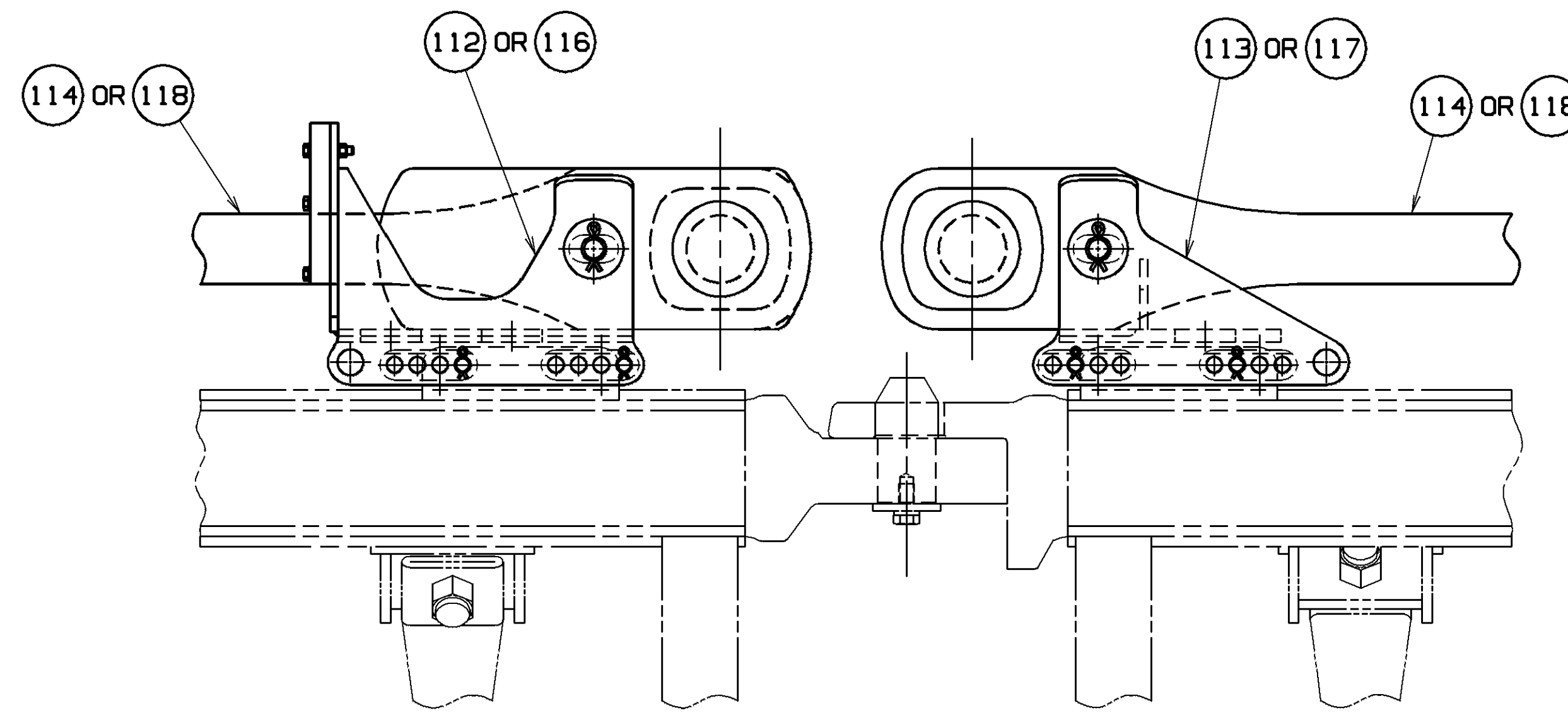
BILL OF MATERIAL			
ITEM NO.	DESCRIPTION	QTY	UNIT
2186-1000 FIXED JIB RIGGING ASSEMBLY WITH NON STOWABLE PENDANTS			
12	BOOM SIGN	22656	
21	PIN	166901	
32	PIN	173633	
42	COLLAR	173676	
52	PIN	173678	
62	PIN	174149	
71	LOWER BOOM POINT ASSEMBLY	1770427	
81	40 FT. TOP #22L BOOM	17705222	
91	WIRE ROPE GUIDE ASSEMBLY	177191	
10			
11			
122	PENDANT LINK	177209	
13			
142	PIN	177242	
152	LINK	177608	
162	PIN	177611	
174	PIN	177624	
182	PIN	177625	
196	END PLATE	177626	
201	TIMBER 93.50IN X 3.5IN X 3.5IN	81017553	
211	PENDANT LINK	17931220	
221	MAIN STRUT	178300	
232	STRAP SUPPORT ASSEMBLY (UPPER)	17832611	
242	ADJUSTABLE STRAP ASSEMBLY	17832918	
252	PENDANT LINK	178458	
262	PIN	178459	
272	COLLAR	178460	
282	PIN	178461	
292	PIN	178462	
304	LINK	178463	
311	STRAP SUPPORT	179356	
324	CLAMP BAR	179357	
332	STRAP ASSEMBLY 43FT.-4.0	17846618	
342	PENDANT LINK	178467	
352	STRUT STOP TUBE ASSEMBLY	178574	
362	STRAP SUPPORT ASSEMBLY	178728	
372	STRAP SUPPORT ASSEMBLY	178734	
381	JIB STOP ASSEMBLY	178869	
391	WIRE ROPE TIMBER	177236	
401	LINK	178926	
412	PIN	178929	
428	BOLT MACH HEX HD .625-11UNC X 9.50 LG	250527	
438	NUT ELASTIC STOP .625-11UNC	548345	
441	PENDANT 49FT.	27734910	
454	PENDANT 36FT.-6.0	2774259	
464	PENDANT 36FT.	2774538	
471	PIN COTTER STL .50 X 4.00 LG.	562172	
4818	SCREW ST.CAP.HEX .50-13UNC X 1.00LG	621725	
49			
50			
2186-1010 JIB BUTT 30 FT. (9.14M)			
511	MOD. TO #22E BOOM BUTT (176967)	42126212	
52			
2186-1020 JIB BUTT 30 FT. (9.14M)			
531	MOD. TO #22E BOOM BUTT (177290)	42125622	
54			
2186-1030 INSERT 10 FT. (3.05M)			
551	INSERT 10 FT. (3.05M)	33407-33.22	
564	PENDANT 10 FT. (3.05M)	2768618.11	
57			
2186-1040 INSERT 10 FT. (3.05M)			
581	INSERT 10 FT. (3.05M)	17729162.22	
594	PENDANT 10 FT. (3.05M)	2768618.11	
60			
2186-1050 INSERT 10 FT. (3.05M) EQUIPPED WITH REMOVABLE DIAGONAL LACINGS			
611	INSERT 10 FT. (3.05M)	17875822	
624	PENDANT 10 FT. (3.05M)	2768618.11	
63			
642	TIMBER 85.50IN X 3.50IN X 3.50IN	8101755511.14	
2186-1060 INSERT 20 FT. W/OUT JIB BACKSTAY			
651	INSERT 20 FT. (6.10M)	33426-34.22	
664	PENDANT 20 FT.-0.00 (6.10M)	2768628.11	
67			
681	TIMBER 94.50IN X 3.50IN X 3.50IN	8101755421	
2186-1070 INSERT 20 FT. WITH JIB BACKSTAY			
691	INSERT 20 FT. (6.10M)	62358042.22	
704	PENDANT 20 FT.-0.00 (6.10M)	2768628.11	
71			
721	TIMBER 94.50IN X 3.50IN X 3.50IN	8101755421	
2186-1080 INSERT 20 FT. W/OUT JIB BACKSTAY EQUIPPED WITH REMOVABLE DIAGONAL LACINGS			
731	INSERT 20 FT. (6.10M)	17875722	
744	PENDANT 20 FT.-0.00 (6.10M)	2768628.11	
75			
762	TIMBER 85.50IN X 3.50IN X 3.50IN	8101755511.15	
2186-1090 INSERT 20 FT. WITH JIB BACKSTAY EQUIPPED WITH REMOVABLE DIAGONAL LACINGS			
771	INSERT 20 FT. (6.10M)	17879422	
784	PENDANT 20 FT.-0.00 (6.10M)	2768628.11	
79			
802	TIMBER 85.50IN X 3.50IN X 3.50IN	8101755511.15	

SUPERSEDES 178696 SHT 1 OF 2 OF 1-23-98

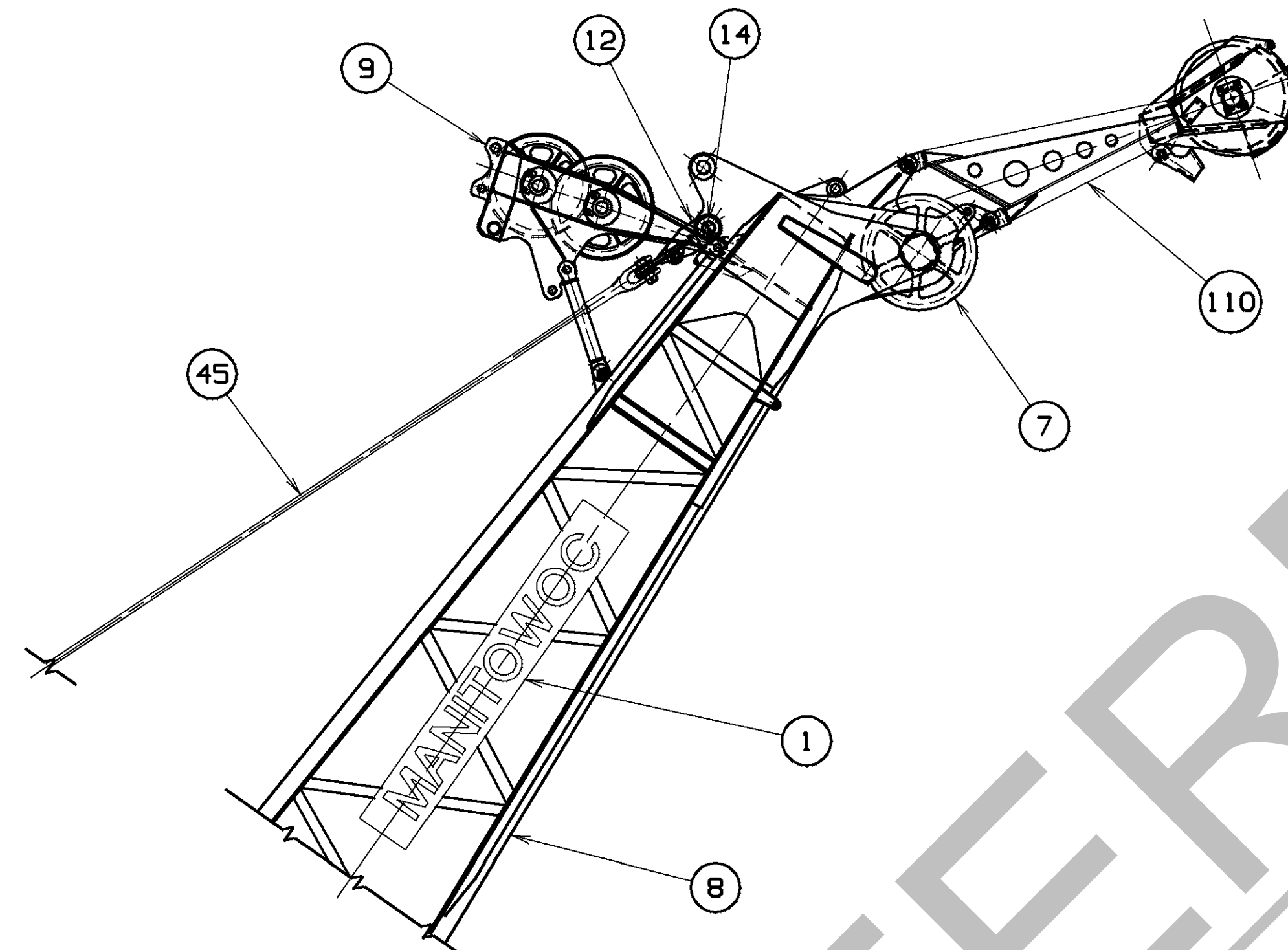
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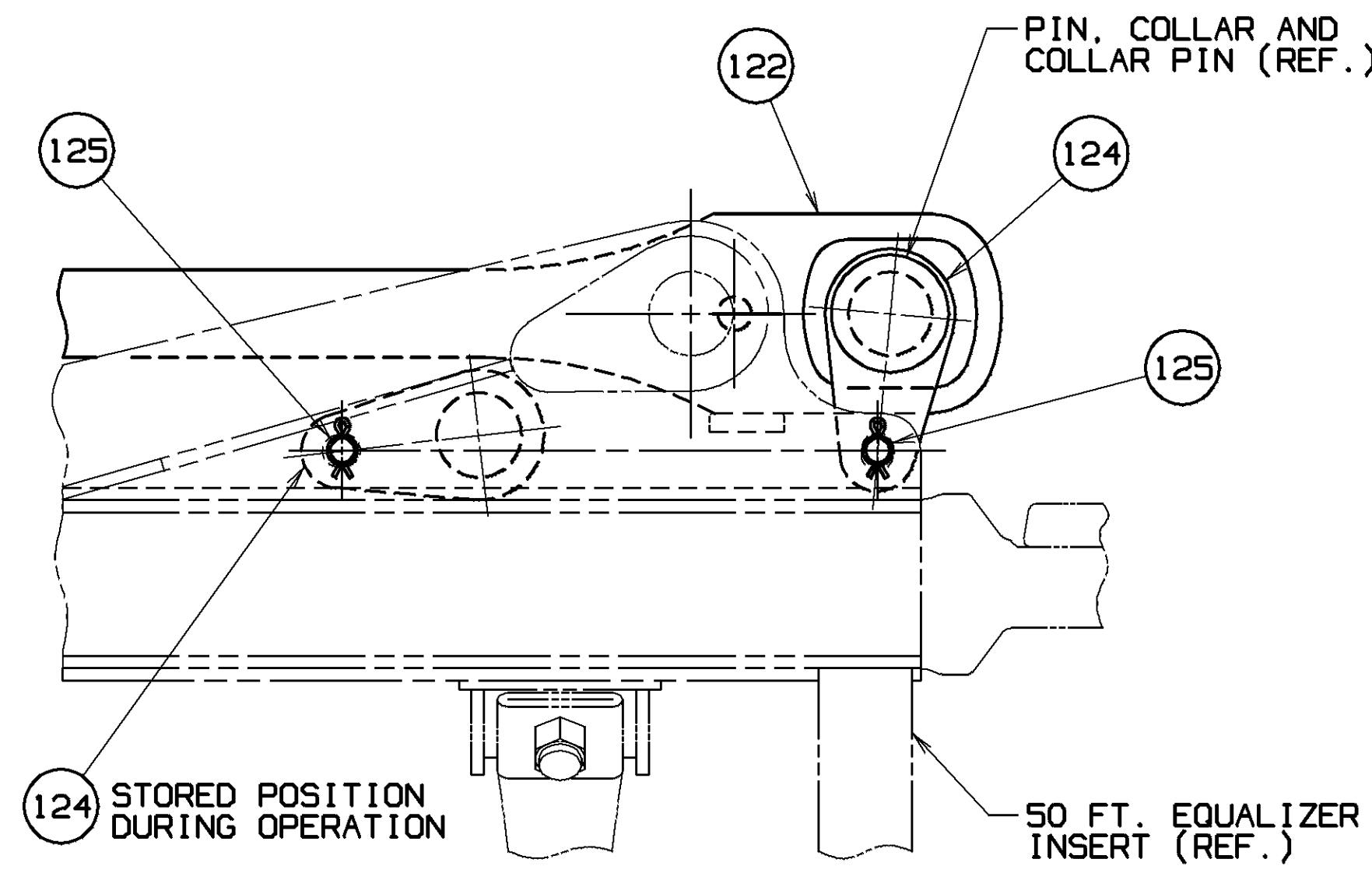
VIEW "E" - "E"
SCALE: .50=1FT.



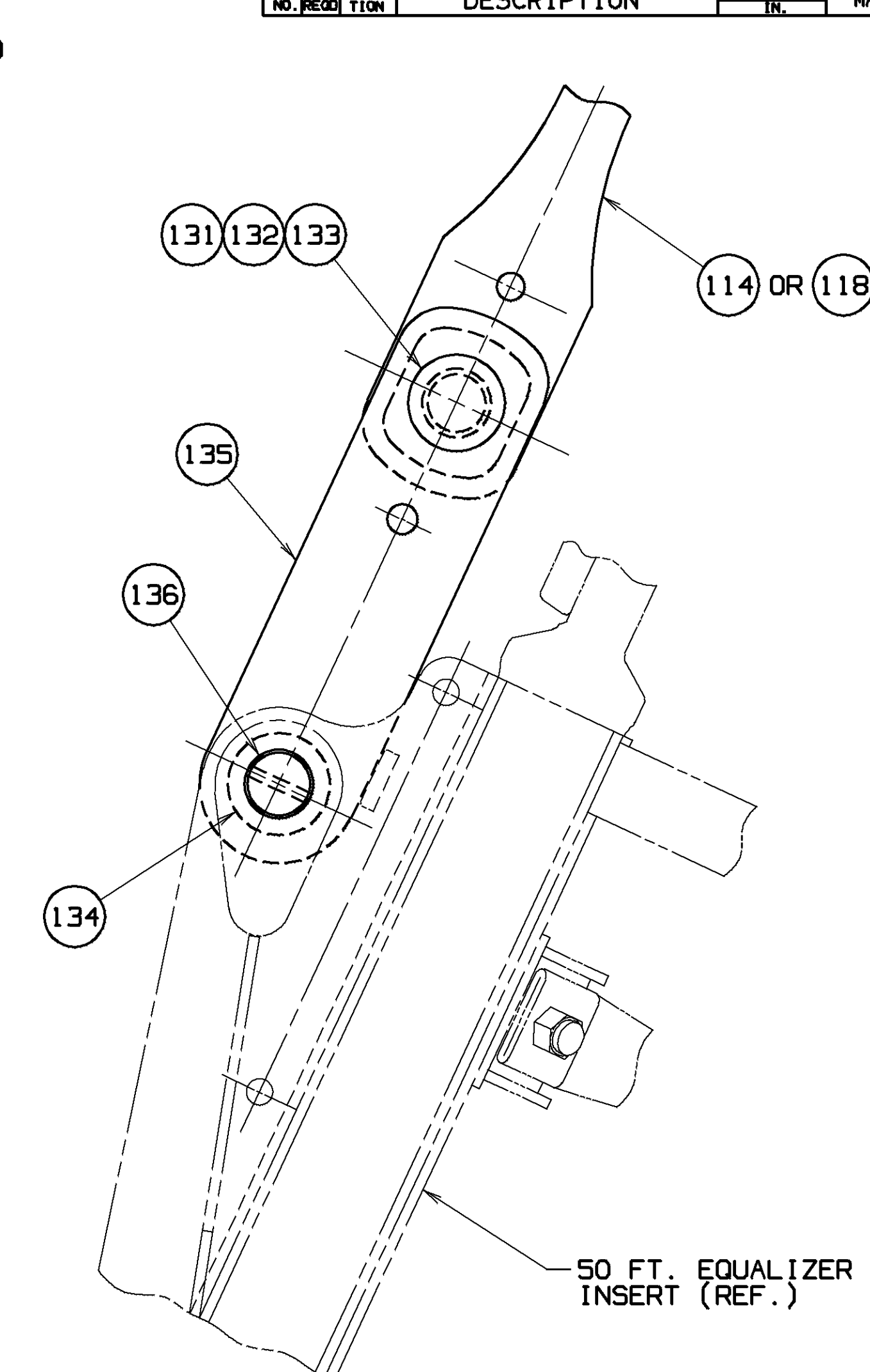
TYPICAL VIEW SHOWING STRAP
ASSEMBLY STOWAGE AT INSERT JOINT
SCALE: 2=1FT.



VIEW SHOWING OPTIONAL UPPER
BOOM POINT ASSEMBLY (ITEM 109)



VIEW "C" - STORAGE OF STRAP ASSEMBLY
50 FT. (15.2M) USING LINKS (ITEM 124) FOR BOOM
LENGTHS OF 175-250 FT. (53.3-76.2M) - SEE 19
SCALE: 2=1FT.



VIEW "D" - PINNING LOCATION FOR BOOM
LENGTHS OF 275-375 FT. (83.8-114.3M)
SCALE: 2=1FT.

INSERTS, PENDANTS, ROLLER GUIDES, LINKS & PINS REQ'D. FOR VARIOUS JIB LENGTHS															
ITEM NO.		55.58 OR 61	65.69 73 OR 77	81.85 89 OR 93	55.59 OR 62 DWG. 76280	65.70.74 78 OR 108 DWG. 76280	82.86 90 OR 94 DWG. 76280	97 OR 100	98	101	106	107	64.68.72. 76.80.84 88.92 OR 96	104	
JIB LENGTHS		10 FT 3.05 M INSERT	20 FT 6.10 M INSERT	40 FT 12.19 M INSERT	10 FT 3.05 M PENDANT	20FT-0.0 6.10 M PENDANT	40FT-0.0 12.19 M PENDANT	PIN	18.00 0.46 M LINK	36.00 0.91 M LINK	6 FT 1.83 M PENDANT	8 FT 2.44 M PENDANT	WIRE ROPE TIMBER A	12.00 0.30 M LINK	
FEET	METERS														
70	21.3	0	0	0	0	0	0	4	4	0	0	0	0	0	0
80	24.4	1	0	0	0	0	0	4	4	0	0	4	0	0	0
100	30.5	1	1	0	0	4	0	0	0	0	4	0	1	0	0
120	36.6	OR 1	2	0	0	8	0	4	0	4	0	0	2	0	0
140	42.7	1	1	1	0	4	4	4	4	0	0	0	3	0	0
160	48.8	OR 1	2	1	0	8	4	0	0	0	0	0	4	0	0
180	54.9	1	1	2	4	0	8	4	4	0	0	4	5	0	0
200	61.0	OR 1	2	2	4	4	8	0	0	0	0	4	6	4	4
220	67.1	1	1	3	4	0	12	4	4	0	4	0	7	4	4
240	73.2	OR 1	2	3	4	4	12	4	4	0	4	0	8	4	4
260	79.2	1	1	4	4	0	16	0	0	0	4	0	9	4	4
280	85.3	OR 1	2	4	4	4	16	0	0	0	4	0	10	4	4
300	91.4	1	1	5	4	0	20	0	0	0	4	0	11	4	4

JIB BACKSTAY STRAPS, SUPPORTS, LINKS & PINS REQ'D. FOR VARIOUS BOOM LENGTHS																	
ITEM NO.		127	113.117 OR 121	112 OR 116	114	118 OR 122	128	129	136	134	135	131	132	133	24	124	125
BOOM LENGTHS		STRAP BRACKET ASSEMBLY LOWER	STRAP SUPPORT ASSEMBLY UPPER	STRAP SUPPORT ASSEMBLY LOWER	25 FT 7.62 M STRAP ASSEMBLY	50 FT 15.24 M STRAP ASSEMBLY	28FT-7.0 8.7 M STRAP ASSEMBLY	PIN	PIN	SPACER	20.50 0.52 M LINK	PIN	COLLAR	PIN	ADJUSTABLE STRAP ASSEMBLY LENGTH	5.69 0.14 M LINK	PIN
FEET	METERS																
125	38.1	2	4	2	2	0	2	2	0	0	0	0	0	0	60.00 IN	0	0
150	45.7	OR 2	6	4	4	0	2	2	0	0	0	0	0	0	48.00 IN	0	0
175	53.3	2	6	2	2	2	2	2	0	0	0	0	0	0	48.00 IN	0	2
200	61.0	OR 2	8	4	4	2	2	2	0	0	0	0	0	0	36.00 IN	4	2
225	68.6	2	8	4	2	4	2	2	0	0	0	0	0	0	24.00 IN	4	2
250	76.2	OR 2	10	6	4	4	2	2	0	0	0	0	0	0	24.00 IN	4	2
275	83.8	0	6	4	2	2	0	0	2	2	4	2	2	2	48.00 IN	0	0
300	91.4	OR 0	8	6	4	2	0	0	2	2	4	2	2	2	36.00 IN	0	0
325	99.1	0	8	6	2	4	0	0	2	2	4	2	2	2	36.00 IN	0	0
350	106.7	OR 0	10	8	4	4	0	0	2	2	4	2	2	2	24.00 IN	0	0
375	114.3	0	10	8	2	6	0	0	2	2	4	2	2	2	12.00 IN	0	0