

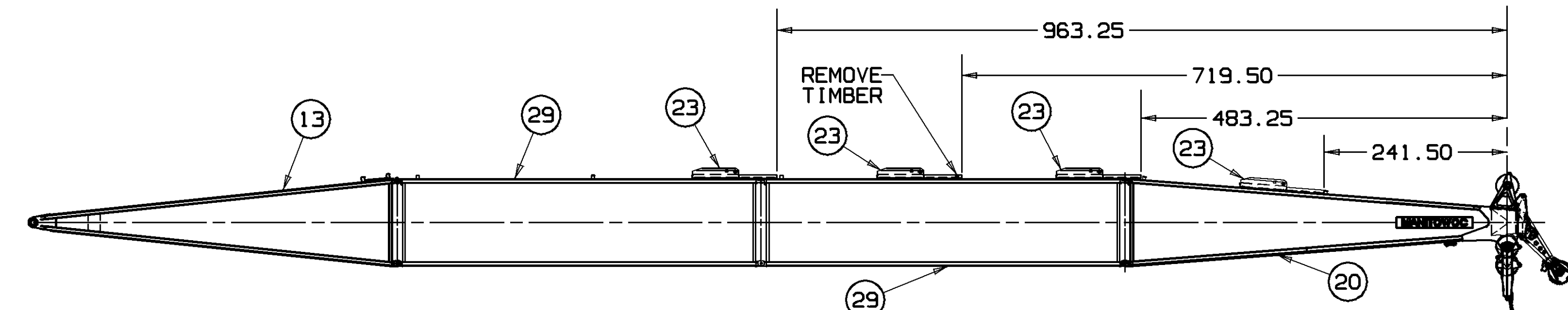
INSERTS, PENDANTS, AND TIMBERS REQ'D. FOR VARIOUS BOOM LENGTHS									
ITEM NO.		28	29	30	31	32	27	EQUALIZER PLATFORM ITEM 23 LOCATION SEE VIEW D SEE (8)	
DWG. NO.		174425	174422	277383 DWG. 78145	277384 DWG. 78145	174915	666852		
BOOM LENGTH		#49A 20 FT 6.1m INSERT	#49A 40 FT 12.2m INSERT	20 FT 1.50 6.13m PENDANT	40 FT 3.00 12.27m PENDANT	WIRE ROPE TIMBER	(OPTIONAL) PENDANT TIE DOWN STRAPS SEE (7)		
FEET	METERS								
82 BASIC	25.0	0	0	4	0	2	0	241.25	
102	31.1	1	0	4	0	3	2	241.25	
122	37.2	OR - 0 2	1	0	4	4	4	483.25 SEE (9)	
142	43.3	1	1	4	4	5	8	719.50	
162	49.4	OR - 0 2	2	0	8	6	10	963.25 SEE (9)	
			1	8	4	6	12	963.25 SEE (9)	

INSERT NOTES:

1. THE SHORTER #49A INSERTS MUST BE LOCATED CLOSEST TO THE BOOM BUTT. 20 FT (6.1m) INSERT FIRST, THEN THE 40 FT (12.2m) INSERTS.

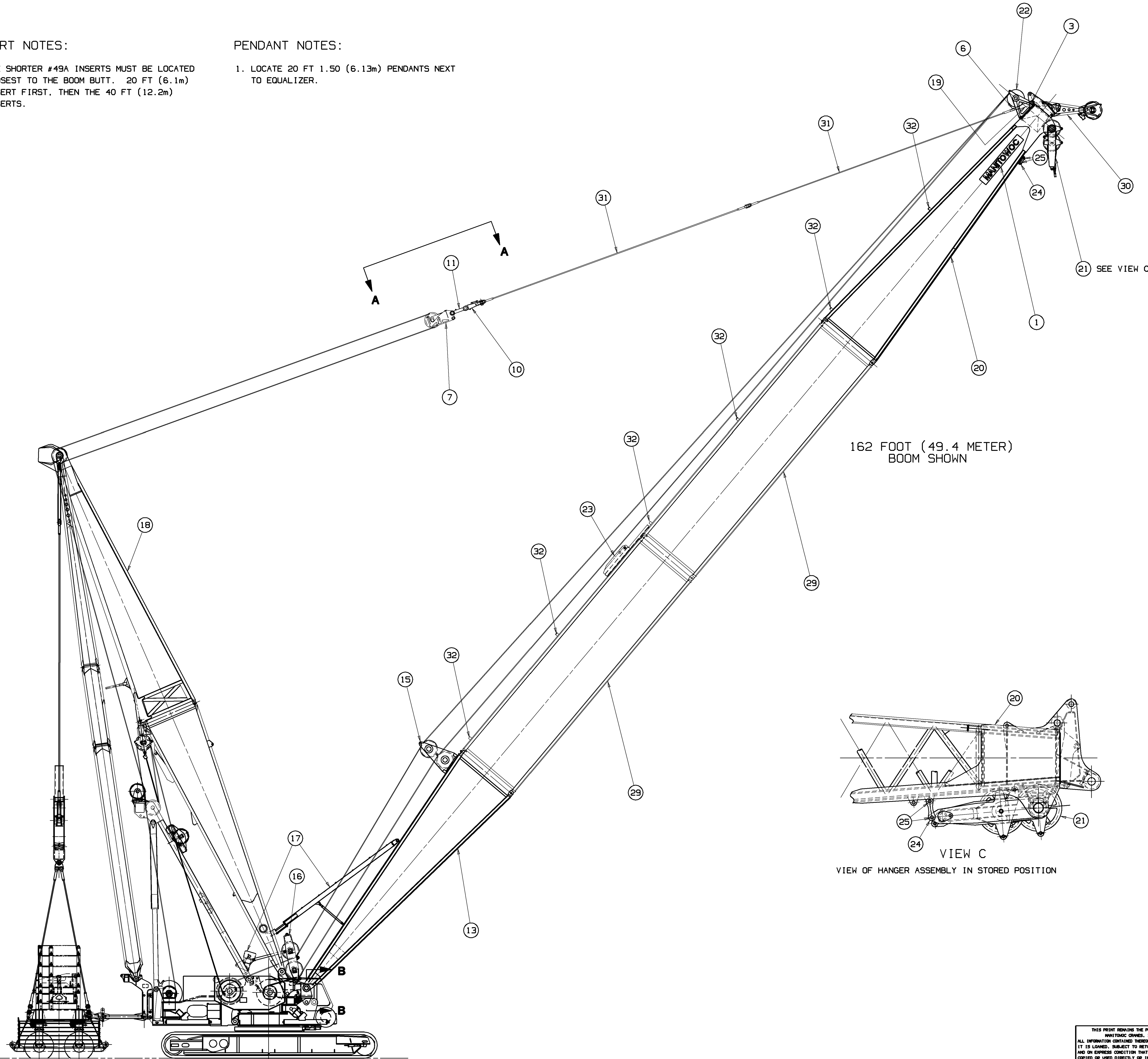
PENDANT NOTES:

1. LOCATE 20 FT 1.50 (6.13m) PENDANTS NEXT TO EQUALIZER.

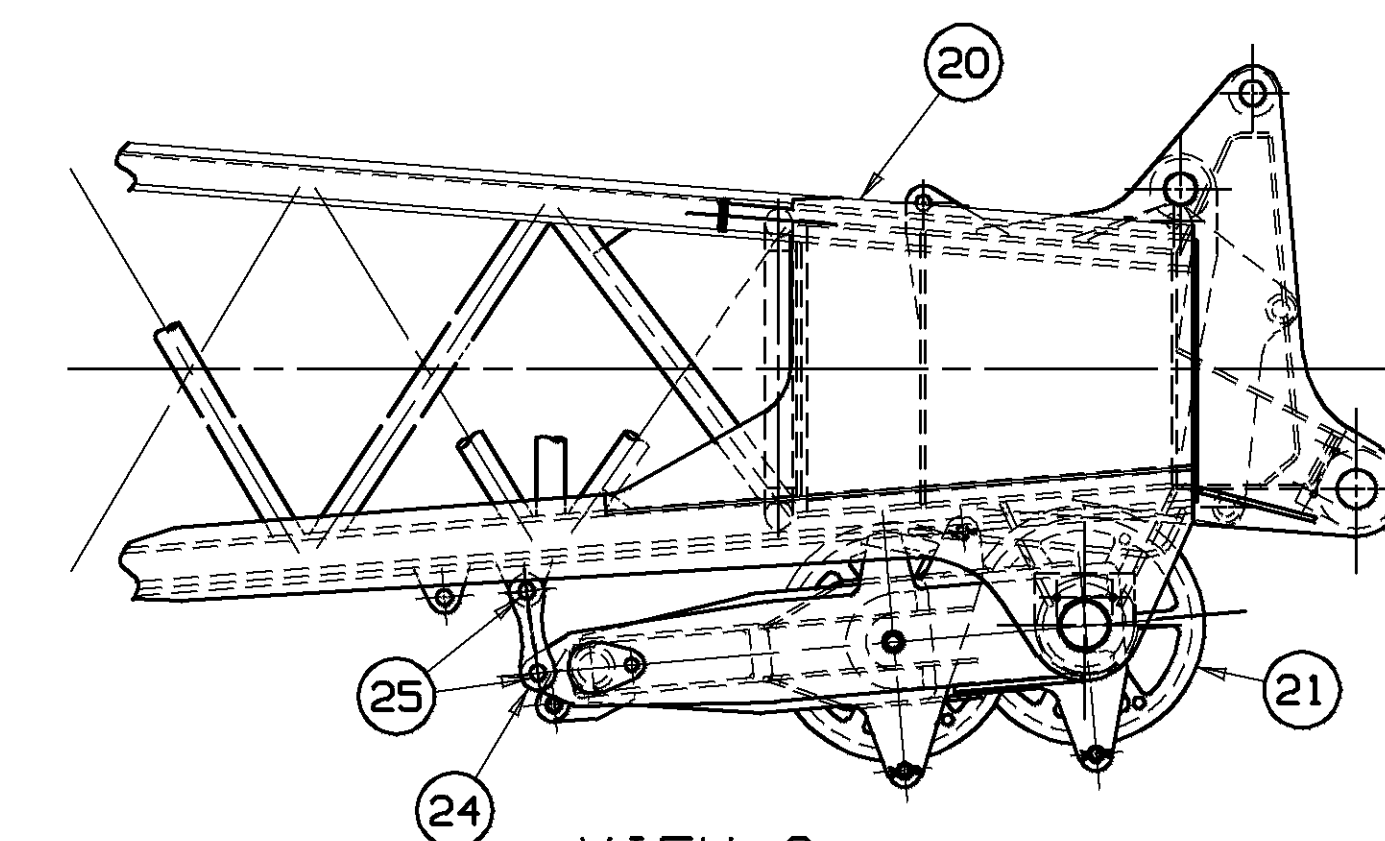


EQUALIZER PLATFORM ITEM 23 LOCATIONS
REF. REQ'D. FOR VARIOUS BOOM LENGTHS TABLE

VIEW D



162 FOOT (49.4 METER)
BOOM SHOWN



VIEW C
VIEW OF HANGER ASSEMBLY IN STORED POSITION

BILL OF MATERIAL					ASSEMBLIES USED ON
ITEM NO. REV.	QTY	DESCRIPTION	UNIT IN.	MATERIAL	
82 FT. (25.0m) BASIC BOOM ALSO SEE REQ'D. FOR VARIOUS BOOM LENGTHS TABLE					
1	2	BOOM SIGN		22656	
2	2	END PLATE		76095	3
3	2	PIN		139139	
4	1	BOOM ANGLE INDICATOR ASSEMBLY		168779	6
5	2	EQUALIZER PENDANT LINK		169834	
6	4	PIN		170690	
7	1	EQUALIZER ASSEMBLY		171248	
8	2	PIN		171500	3
9	2	PIN		172132	
10	2	PENDANT LINK		172669	
11	2	PENDANT LINK		172670	
12	2	PIN		172675	
13	1	BOOM BUTT (40 FT.) - (12.2m)		174551	
14	2	WASHERS		174904	
15	1	WIRE ROPE GUIDE ASSEMBLY		174944	
16	1	WIRE ROPE GUIDE ASSEMBLY		174946	5
17	1	BOOM STOP ASSEMBLY		174955	
18	1	MAST ASSEMBLY		176113	
19	2	PENDANT LINK		176183	
20	1	BOOM TOP (42 FT.) - (12.8m)		176203	
21	1	LOWER BOOM POINT HANGER FRAME ASS'Y		176213	1
22	1	WIRE ROPE GUIDE ASSEMBLY		176214	
23	1	EQUALIZER PLATFORM ASSEMBLY		176358	8
24	2	LINK		176330	
25	4	PIN		2394	
26					
27					
28					
29					
OPTIONAL PARTS					
30	1	BOOM POINT ASSEMBLY (UPPER)		170419	1

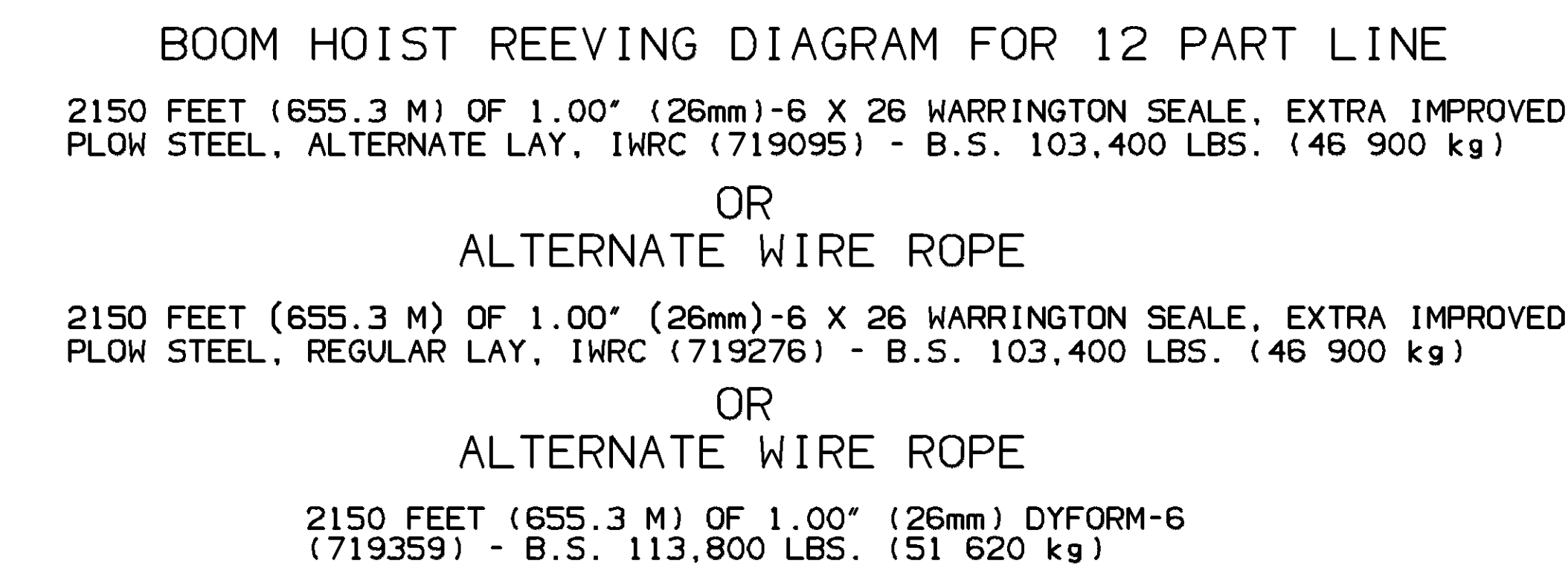
- (1) 1.125 (29 mm) WIRE ROPE.
- (2) ON DWG. 78145.
- (3) INSTALL WITH HEAD ON BOTTOM. WIRE END PLATE SCREWS TOGETHER.
- (4) SEE DWG. 176265 (INDICATOR ASSEMBLY P.A.T. DUMMY LOAD LINK INSTALLATION) FOR USE WITH THE P.A.T. LOAD MOMENT INDICATOR.
- (5) BOOM STOP SUPPORT BEAM 174960 (REF.) AND MAST ITEM 18 MUST BE IN PLACE BEFORE INSTALLING WIRE ROPE GUIDE ASSEMBLY ITEM 16. WIRE ROPE GUIDE ASSEMBLY ITEM 16 MUST BE REMOVED PRIOR TO LOWERING MAST.
- (6) NOT SHOWN
- (7) SEE CRANE ASSEMBLY AND RIGGING GUIDE IN THE OPERATIONS MANUAL FOR INSTRUCTIONS ON PENDANT STORAGE.
- (8) EQUALIZER PLATFORM ASSEMBLY ITEM 23 IS DESIGNED SOLELY TO FACILITATE PENDANT INSTALLATION AND REMOVAL. DO NOT APPLY TENSION TO BOOM HOIST LINE WHEN EQUALIZER IS PINNED TO PLATFORM.
- (9) PLATFORM ITEM 23 MUST BE REMOVED TO ASSEMBLE OR DIS-ASSEMBLE THE BOOM.

DWG. NO.
176112
SHT 1 OF 2

DATE
12-14-94
PATTERN NO.

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DECIMAL PLACES	FABRICATION	DECIMAL PLACES	FABRICATION	DECIMAL PLACES	FABRICATION	DR. LS	Mantowoc, Wisconsin	#49A BOOM	
(1) PLACE 0.0	± 1.00	± 1.00	± 1.00	± 0.00	± 0.00	DR. LS	MODEL-250 MAX-ER 400	1.50 SWAGED PENDANTS	
(2) PLACE 0.00	± 0.00	± 0.00	± 0.00	± 0.015	± 0.015	APP TSC		(USA)	
(3) PLACE 0.000	± 0.000	± 0.000	± 0.000	± 0.005	± 0.005				
ANGLES	41°-50°	41°-50°	41°-50°	40°-50°	40°-50°				

DWG. NO.
176112
SHT 1 OF 2

SHT 2 OF 2