

TORQUE BOOM JOINT BOLTS TO THE FOLLOWING VALUES USING SAE #20 OIL	
1 3/4 IN DIA.	2100 FT. LBS.
2 IN DIA.	2100 FT. LBS.

RECOMMENDED FOR VARIOUS BOOM LENGTHS									
DWG. NO.	182927-2	190377-2	276782	276693	276696	144099	OPTIONAL PENDANTS		
BOOM LENGTH	20 FT.	40 FT.	85 FT.	104 FT.	123 FT. 6	WIRE ROPE GUIDE ASSEMBLY	72490	16824	
100 FT. BASIC	0 FT. OF INSERTS	4	0	0	0	1	—	—	
120 FT.	20 FT. OF INSERTS	0	4	0	2	—	—	—	
140 FT.	40 FT. OF INSERTS	0	0	4	3	4	4	4	

182927-2 PLAIN INSERT

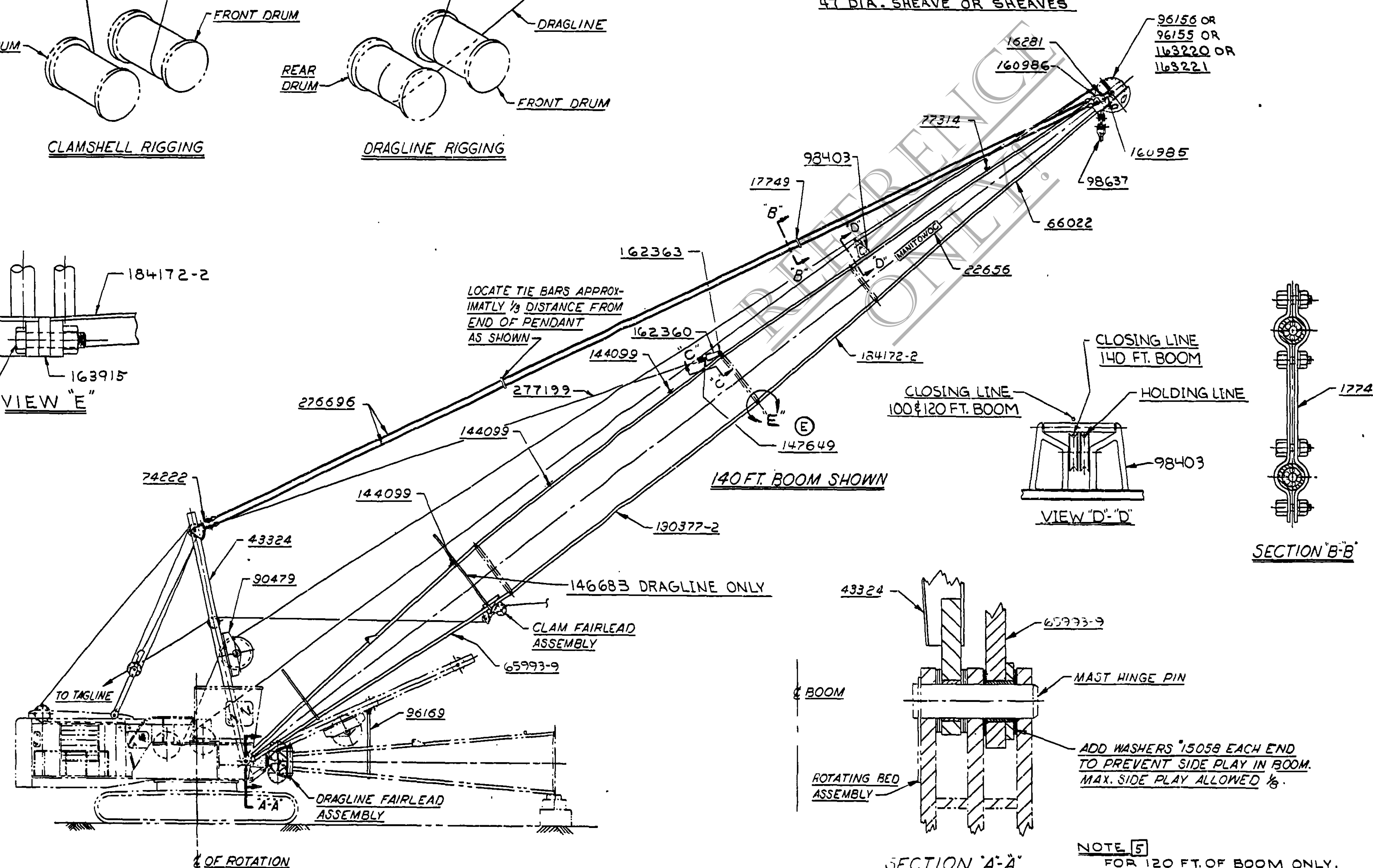
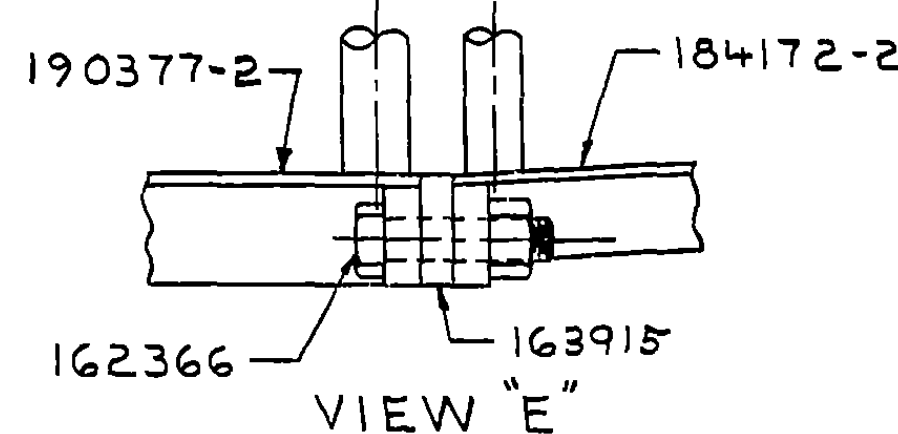
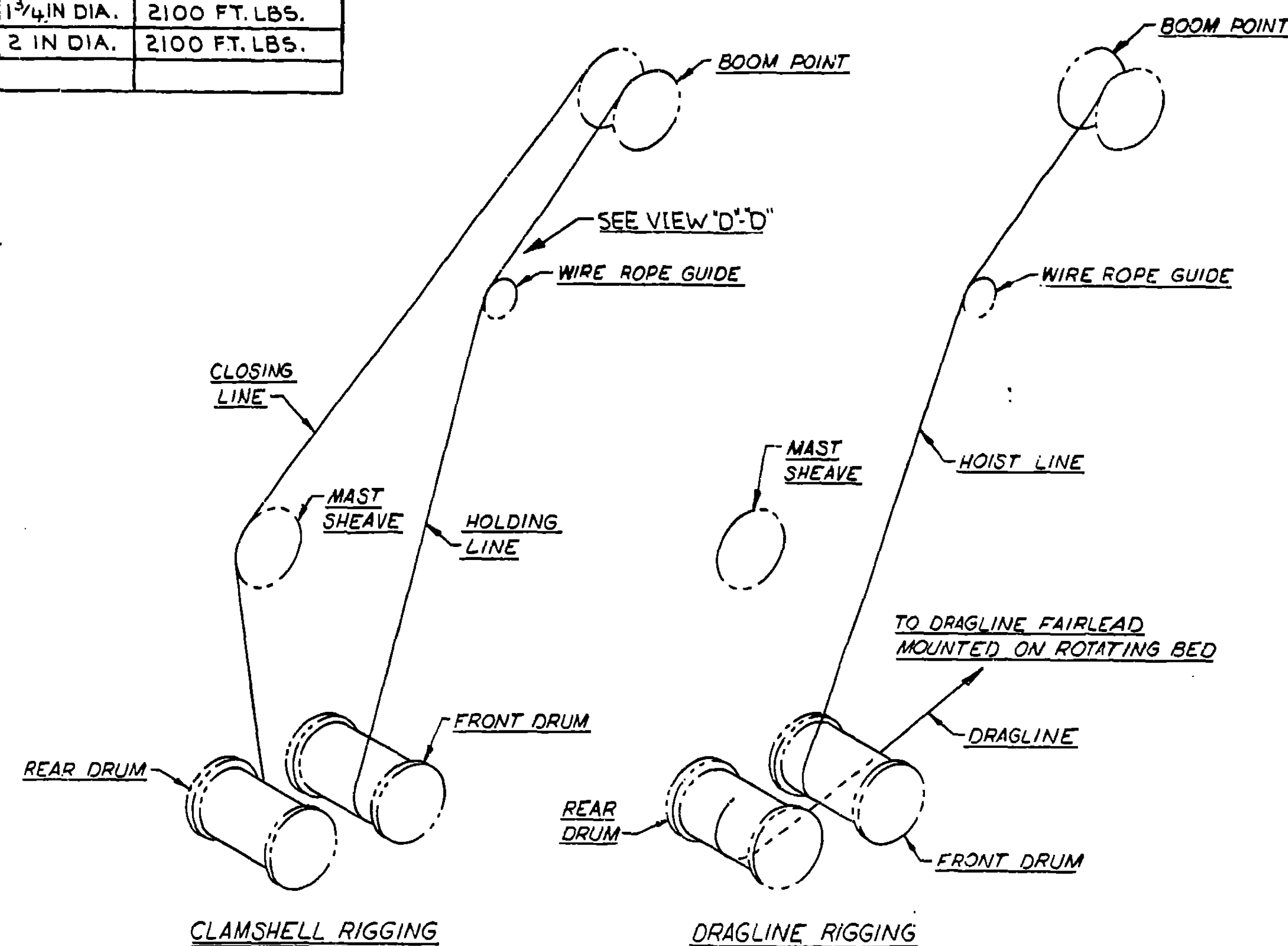
190377-2 PLAIN INSERT

OPTIONAL PARTS			
NO. REQ'D	DWG. NO.	DESCRIPTION	REMARKS
1	96155	BOOM POINT SHAFT ASSY. (1 SHEAVE)	47 IN. DIA.
1	98637	ANCHOR JOINT ASSY.	SINGLE HANGER
1	1163220	BOOM POINT SHAFT ASSEM. (1 SHEAVE)	SEE NOTE 7
1	1163221	BOOM POINT SHAFT ASSEM. (2 SHEAVE)	SEE NOTE 7

NOTE: SINGLE LENGTH PENDANTS ARE RECOMMENDED AS STANDARD. MULTIPLE LENGTH PENDANTS ARE OFFERED AS AN OPTION, IF REQUESTED BY THE CUSTOMER.

NOTE 4: FOR BOTH 120 & 140 FT. BOOM LENGTHS, CONNECTOR SPACERS 163915 AND SWIVEL LUG 162363 ARE LOCATED 60 FT. FROM THE BOOM TOP, BETWEEN STRAIGHT-PLAIN AND TAPERED INSERTS.

NOTE 7: FOR PERMA-LUBE 47 DIA. SHEAVE OR SHEAVES



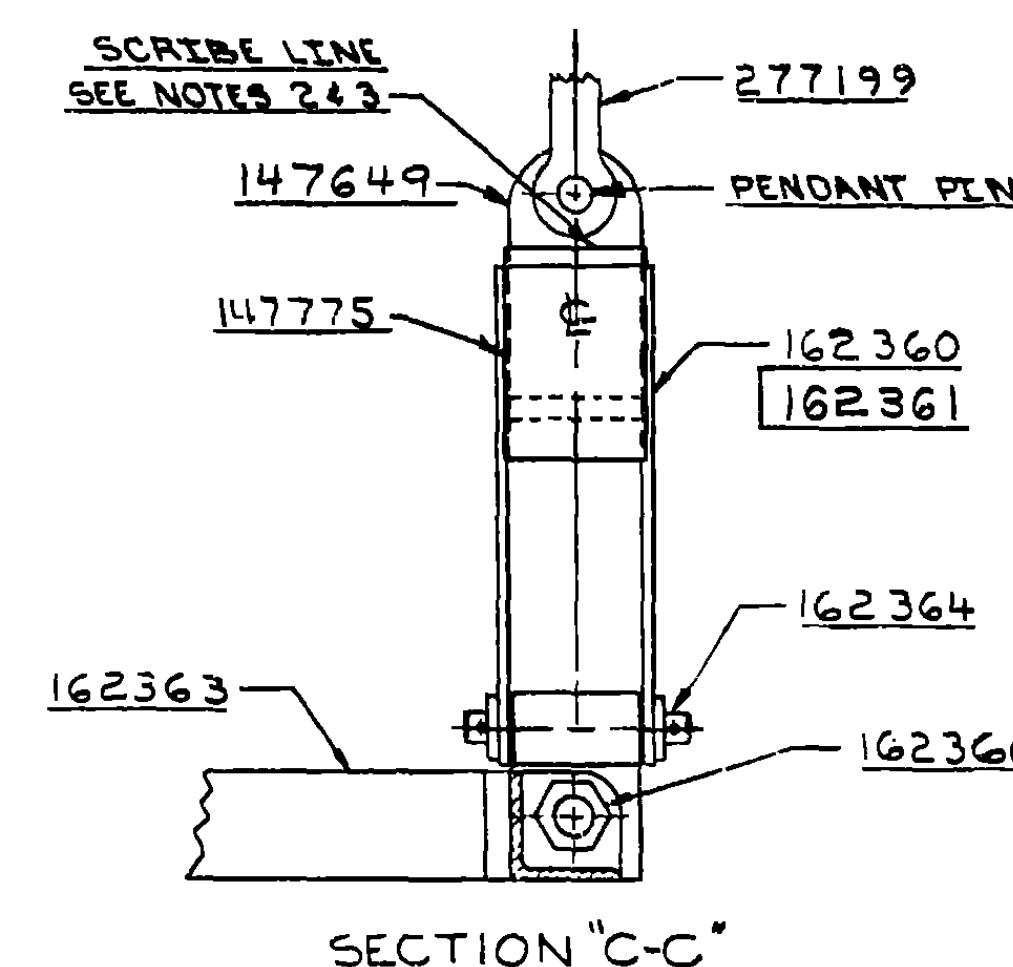
BILL OF MATERIAL								ASSEMBLY LABEL SH	
ITEM NO.	QTY.	DESC.	UNIT	MATERIAL	CHG. NO.	REV. NO.	REMARKS		
BASIC BOOM PARTS									
1 K230	OWG. NO.	DESCRIPTION					REMARKS		
	15058	WASHER							
2	16281	PIN							
2	160986	LINK							
4	17749	PENDANT TIE BAR							
2	22656	BOOM SIGN							
1	43324	MAST RIGGING ASSEMBLY							
1	65993-9	BOOM BUTT (40FT. 0)							
1	66022	BOOM TOP (40FT. 0)							
2	74222	HINGE LINK							
1	77314	WIRE ROPE ROLLER GUIDE ASSEMBLY							
1	90479	WIRE ROPE GUIDE ASSEMBLY					47 DIA.		
2	160985	PENDANT STRAP							
1	96156	BOOM POINT SHAFT ASSEMBLY-2 SHEAVES					47 DIA -1 3/4" ROPE		
1	98403	WIRE ROPE GUIDE ASSEMBLY					(C) SEE NOTE 1		
1	96159	MAST SUPPORT ASSEMBLY							
1	146683	WIRE ROPE GUARD ASSEMBLY					DRAGLINE ONLY		
1	184172-2	20FT. TAPERED INSERT							
								REVISIONS	
								9-9-83 JHS	
								(A) RELOCATE	
								OPTIONAL	
								PARTS LIST	
								1-9-84 SPS	
								(B) ADDED	
								3-12-84 CPD	
								(E) NO.	
								CORRECTED	
								6-17-86 L	
								(F) WAS 1623	

INTERMEDIATE SUSPENSION-120 FT. & 140 FT. BOOM - SEE NOTES 2 & 3 & 4									
2	162364	PIN							
2	147649	PLUNGER							
2	162360	LINK FRAME							
4	147775	BUMPER							
2	277198	PENDANT-46 FT.-7.75" (DWG. 73025)							
2	277199	PENDANT-65 FT.-3.75" (DWG. 73025)							
4	162361	BUSHING							
2	163915	CONNECTOR SPACER							
1	162363	SWIVEL LUG							
4	162366	COUPLING BOLT							

NOTE 1: MOUNTING PADS MUST BE FURNISHED ON BOOM TOPS MFG. PRIOR TO AUG. 1979.

NOTE 2: ASSEMBLE PLUNGER 147649 AND LINK FRAME 162360 WITH BUMPER 147775 IN PLACE WITH ITS LONGER SIDE PARALLEL TO THE 1/2 OF THE ASSEMBLY. SCRIBE LINE ON PLUNGER AT COVER PLATE.

NOTE 3: ADJUST TENSION IN INTERMEDIATE SUSPENSION WITH BOOM SELF SUPPORTED, HORIZONTAL, TO COMPRESS BUMPER 3/8.



NOTE 5: FOR 120 FT. OF BOOM ONLY.

NOTE 6: FOR 140 FT. OF BOOM ONLY.

FORMERLY 190765			
1/2 1157	191528	MANITOWOC ENGINEERING CO.	BOOM RIGGING ASSEMBLY
REV. JHS		MANITOWOC ENGINEERING CO.	#40 BOOM CLAM SHELL OR
REV. L.S.		MODEL 4600 SERIES I	CLAM SHELL AND DRAGLINE
APP.			

191528

8-8-83

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