

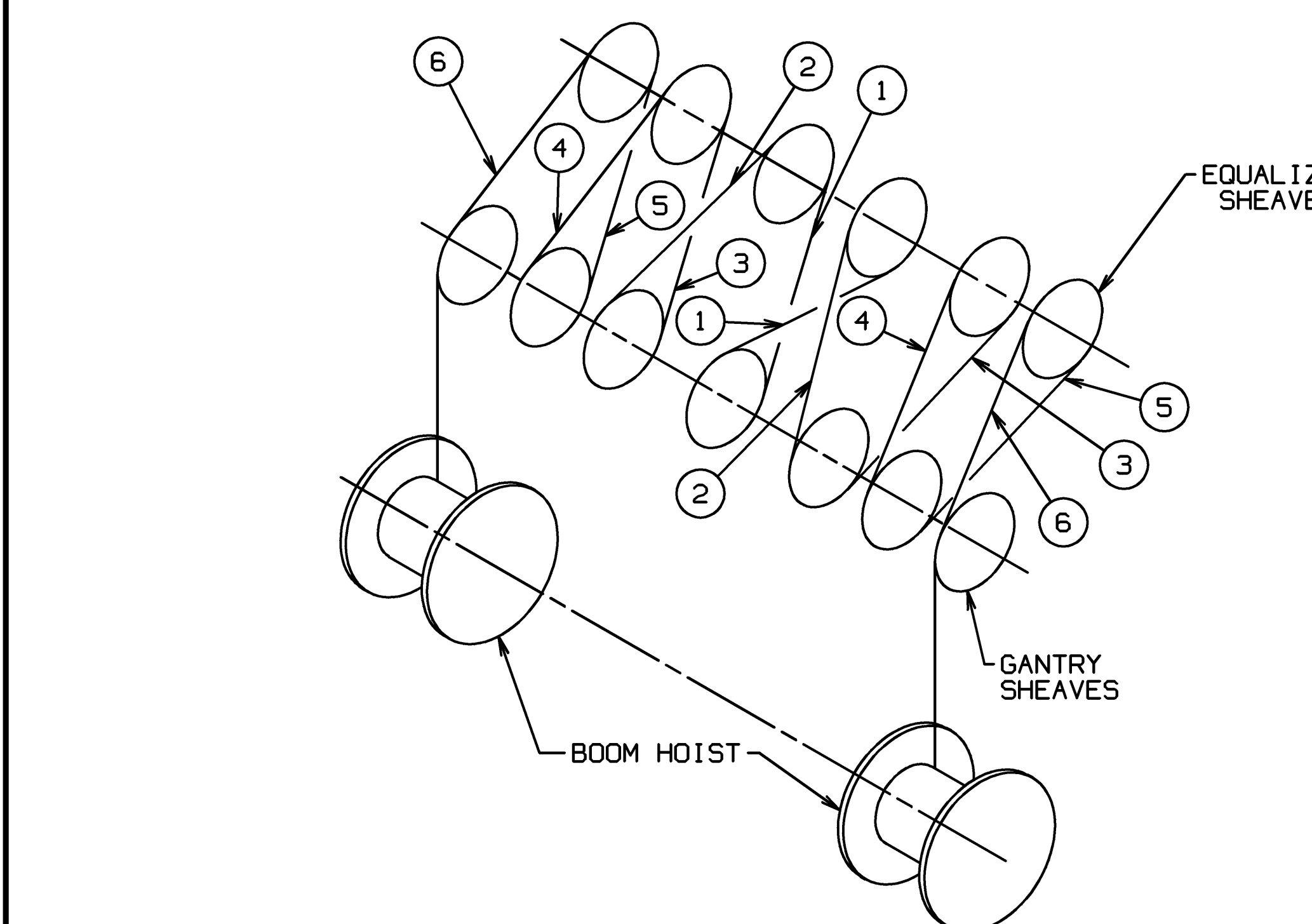
INSERTS, PENDANTS, AND TIMBERS REQ'D. FOR VARIOUS BOOM LENGTHS						
DWG. NO.		171227	171228 <u>6</u>	171229 <u>7</u>	DWG. 78145	171697
BOOM LENGTH		10 FT 3.05 M INSERT	20 FT 6.10 M INSERT	40 FT 12.19 M INSERT	PENDANT (QTY. 4)	WIRE ROPE TIMBER
FEET	METERS					
70	21.3	0	0	0	277480	0
80	24.4	1	0	0	277473	1
90	27.4	0	1	0	277474	1
100	30.5	1	1	0	277475	2
110	33.5	OR <u>0</u>	<u>2</u>	<u>0</u>	277479	<u>2</u>
		<u>0</u>	<u>0</u>	<u>1</u>	277479	<u>2</u>
120	36.6	OR <u>1</u>	<u>2</u>	<u>0</u>	277476	<u>3</u>
		<u>1</u>	<u>0</u>	<u>1</u>	277476	<u>3</u>
130	39.6	0	1	1	277477	3
140	42.7	1	1	1	277478	4

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110	33.5	OR 0	2	0	277479	2
		0	0	1	277479	2
120	36.6	OR 1	2	0	277476	3
		1	0	1	277476	3
130	39.6	0	1	1	277477	3
140	42.7	1	1	1	277478	4

INSERT NOTES:

1. THE SHORTER INSERTS MUST BE CLOSEST TO THE BUTT. (10 FT (3.05 M) INSERT FIRST. THEN THE 20 FT (6.10 M) INSERTS.)

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BOOM HOIST REEVING DIAGRAM FOR 12 PART LINE

975 FEET (297.2 M) OF 1.00" (26mm)-6 X 26 WARRINGTON SEALE, EXTRA IMPROVED
PLOW STEEL, ALTERNATE LAY, IWRC (719095) - B.S. 103,400 LBS. (46 900 kg)

OR

ALTERNATE WIRE ROPE

975 FEET (297.2 M) OF 1.00" (26mm)-6 X 26 WARRINGTON SEAL, EXTRA IMPROVED PLOW STEEL, REGULAR LAY, IWRC (719276) - B.S. 103,400 LBS. (46 900 kg)

OR

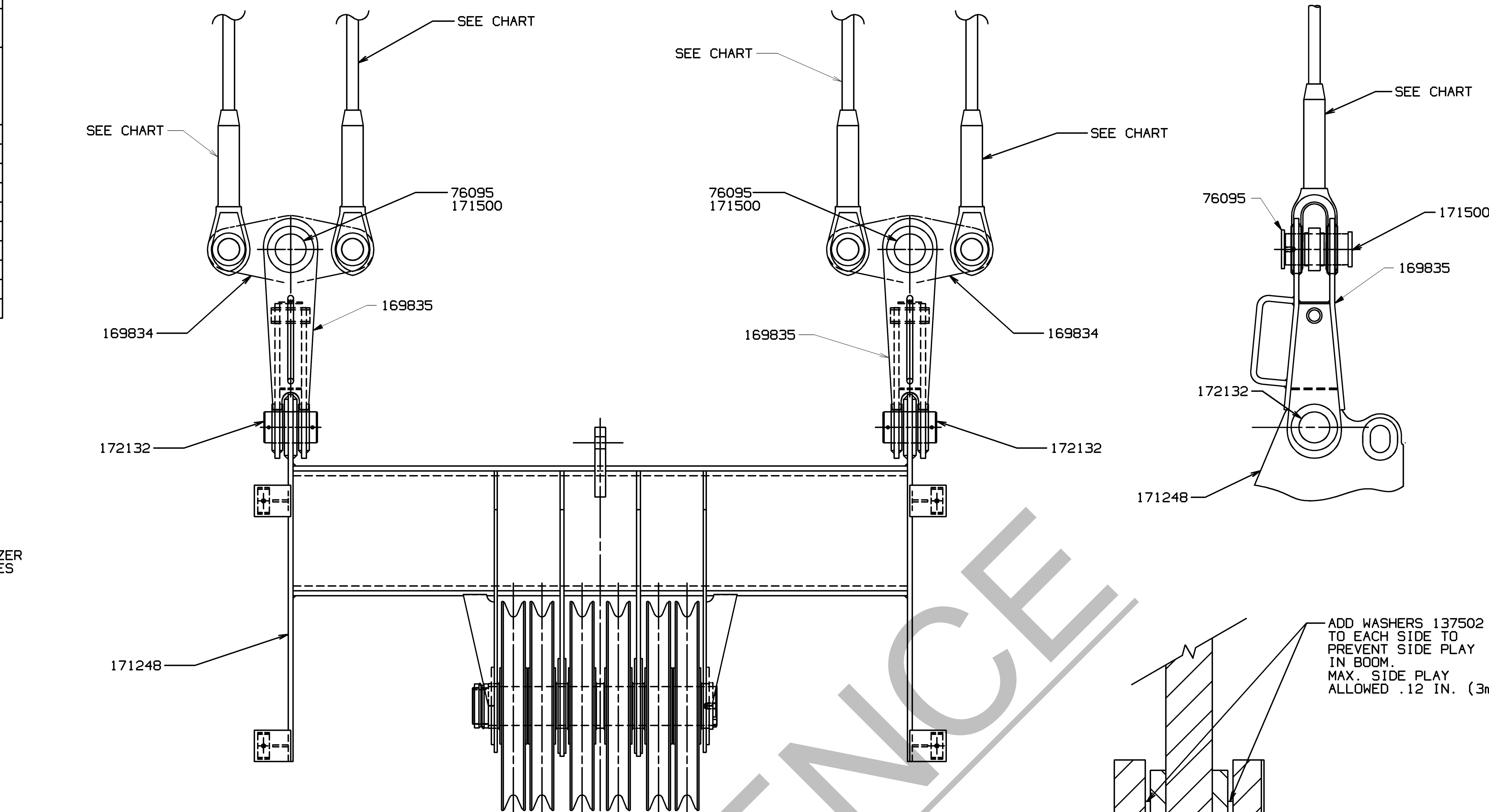
ALTERNATE WIRE ROPE

975 FEET (297.2 M) OF 1.00" (26mm) DYFORM-6
(719359) - B.S. 113,800 LBS. (51 620 kg)

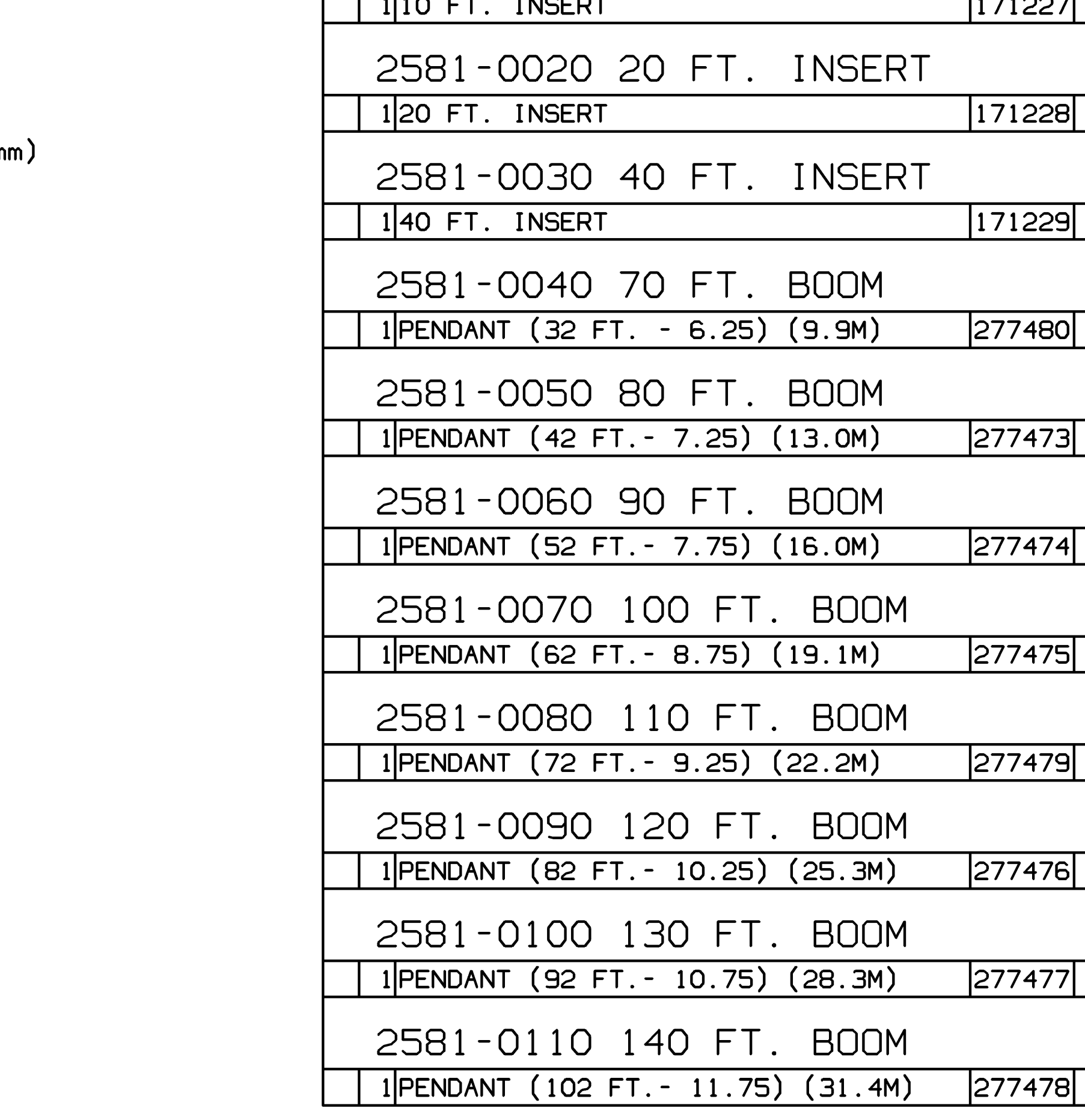
OR

OR
ALTERNATE WIRE ROPE

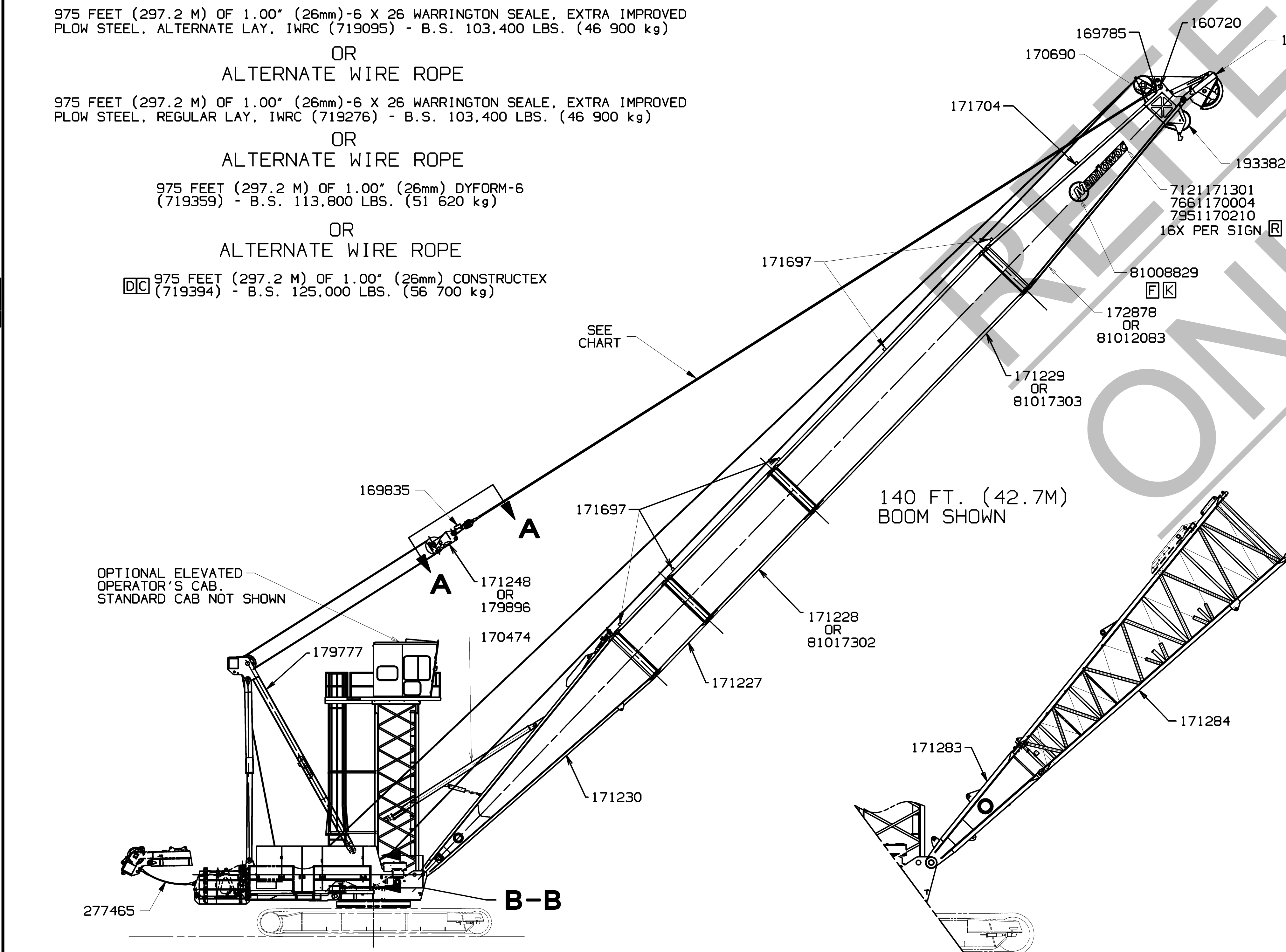
975 FEET (297.2 M) OF 1.00" (26mm) CONSTRUCTEX
(719394) - B.S. 125,000 LBS. (56 700 kg)



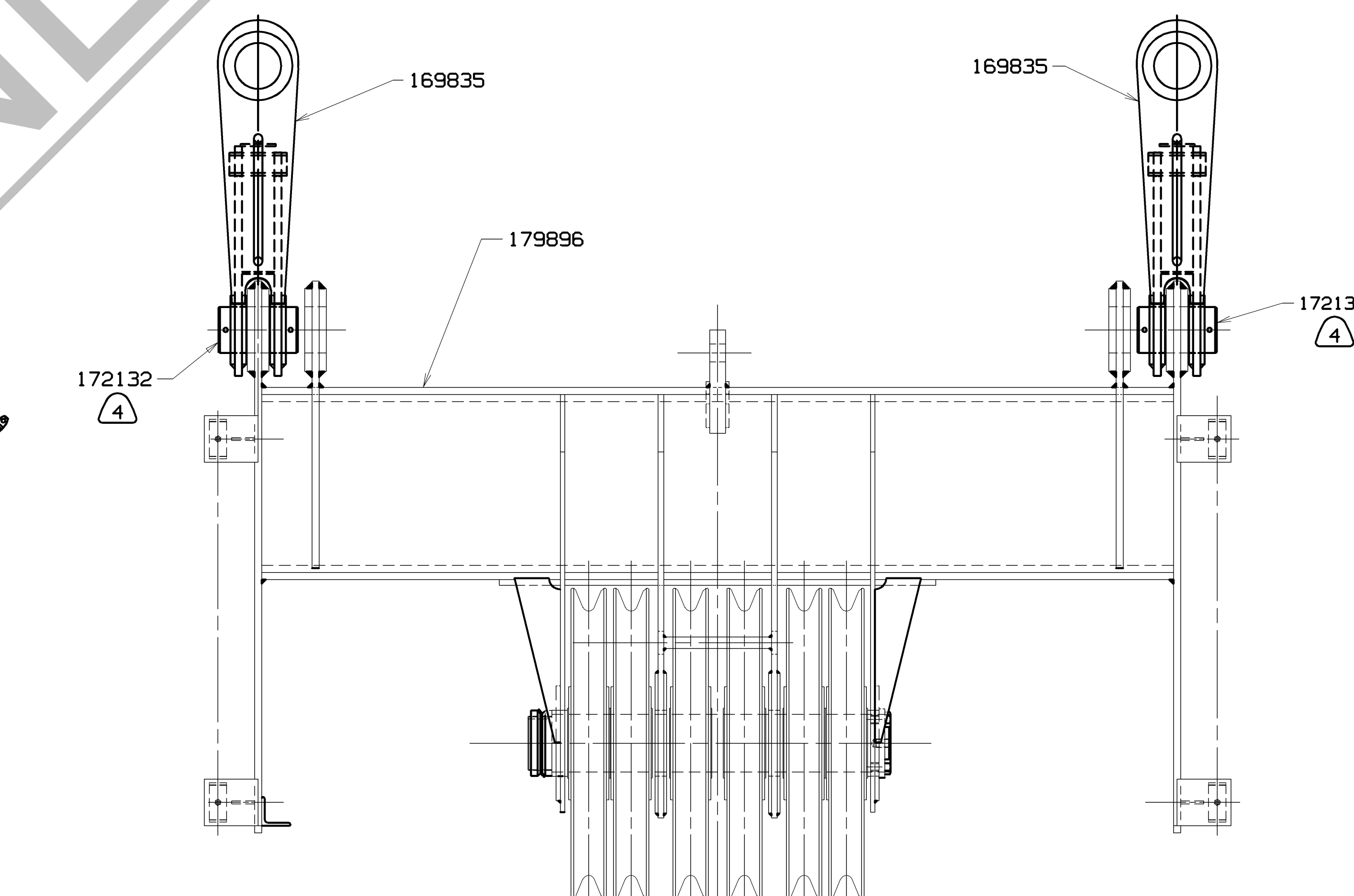
VIEW "A" - "A"



① WIRE ROPE GUIDE SHEAVES GROOVED FOR 1.38 ROPE.



VIEW SHOWING 2-PIECE BUTT COMBINATION



ALTERNATE
VIEW "A" = "A"

BILL OF MATERIAL					
ITEM NO.		DESCRIPTION	QTY	MATERIAL	QTY NO. ON Dwg.
NO.	REV.				
2581-0000 BASIC BILL					
J	E	2SIGN BOOM MANITOWOC		81006829	
		2END PLATE		76095	
	AS REQ	2WASHERS		137502	
		2PIN		160720	
		2PENDANT LINK		169785	
		2EQUALIZER PENDANT LINK		169834	
		1GANTRY ASSEMBLY		179777	
		4PIN		170690	
		1EQUALIZER ASSEMBLY		171248	
		1EQUALIZER ASSEMBLY		179896	
		1BOOM BUTT (40 FT.)-(12.19 M)		171230	
		2PIN		171500	
		1TIMBER (WIRE ROPE)		171697	
		1TIMBER (WIRE ROPE)		171704	
		2PIN		172132	
		2PENDANT LINK		169835	
		1BOOM TOP (30 FT.)-(9.14 M)		172878	
		1BOOM POINT SHAFT ASSEMBLY (LOWER)		193382	
	G	OR	2PENDANT		277465
		1BOOM POINT ASSEMBLY (UPPER)		192977	
A		1BOOM STOP ASSEMBLY		170474	

2581-0010 10 FT. INSERT	
1 10 FT. INSERT	171227
2581-0020 20 FT. INSERT	
1 20 FT. INSERT	171228
2581-0030 40 FT. INSERT	
1 40 FT. INSERT	171229
2581-0040 70 FT. BOOM	
1 PENDANT (32 FT. - 6.25) (9.9M)	277460
2581-0050 80 FT. BOOM	
1 PENDANT (42 FT. - 7.25) (13.0M)	277473
2581-0060 90 FT. BOOM	
1 PENDANT (52 FT. - 7.75) (16.0M)	277474
2581-0070 100 FT. BOOM	
1 PENDANT (62 FT. - 8.75) (19.1M)	277475
2581-0080 110 FT. BOOM	
1 PENDANT (72 FT. - 9.25) (22.2M)	277479
2581-0090 120 FT. BOOM	
1 PENDANT (82 FT. - 10.25) (25.3M)	277476
2581-0100 130 FT. BOOM	
1 PENDANT (92 FT. - 10.75) (28.3M)	277477
2581-0110 140 FT. BOOM	
1 PENDANT (102 FT. - 11.75) (31.4M)	277478

- 1 WIRE ROPE GUIDE SHEAVES GROOVED FOR 1.38 ROPE.
- 2 INSTALL HEAD OF PIN 171500 ON BOTTOM, WIRE END
PLATE SCREWS TOGETHER.
- 3 ON DWG. 139117, GANTRY TIE DOWN PENDANT.
- 4 MUST PIN LINK TO LUG AS SHOWN IN ALT VIEW A-A.
- 5 172878 CAN BE REPLACED BY 81012083
- 6 171228 CAN BE REPLACED BY 81017302
- 7 171229 CAN BE REPLACED BY 81017303
- 8 171230 CAN BE REPLACED BY 2-PIECE BUTT
(171283 AND 171284)

B ROOM RIGGING ASSEMBLY

USE SPECIFIED	SCALE 1"=1'ET	Manitowoc Cranes, Inc.	#44 BOOM FOR 50,000 L
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FEET	MACHINING	DR. UES	REHANDLING OR 40,000
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2	±.015	TOLERANCE APPLIES TO THIS DIMENSION	α. DP	MODEL 2250	LB. CLAM - 1.50 SINGLE
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±0° 30'	AND/OR SURFACE	APP	GMP	LENGTH PENDANTS
☒				

DO NOT SCALE THIS DRAWING

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HARTCOGS CONCRETE, INC.		DECIMAL PLACES	FABRICATION
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		(1) PLACE 0.0	$\pm .12$ $\pm .18$ $\pm .03$
		(2) PLACE 0.00	$\pm .06$ $\pm .12$ $\pm .015$
		(3) PLACE 0.000	$\pm .006$ $\pm .005$

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	DECIMAL PLACES	≤ 10 FEET	> 10 FEET	FINISH																	
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ANALYSIS	ANALYST	DATE	TIME	LOCATION	REMARKS
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