

ADDITIONAL PARTS REQUIRED FOR VARIOUS BOOM LENGTHS																
ITEM NO.	31	35	32 OR 36	45	55	41	51	39 OR 49	40 OR 50	42 OR 52	43 OR 53	44 OR 54	46 OR 56	16	59	
A BOOM LENGTH	#49A	#49A	WIRE ROPE	#44	#44	19 FT 4.75	39 FT 4.75	PIN	TIMBER	BOOM SUPPORT LINK	COLLAR	PIN	PIN	BOOM SUPPORT STRAP	BOOM SUPPORT STRAP	
	20 FT 6.10 M INSERT	20 FT 6.10 M INSERT	20 FT 6.10 M INSERT	20 FT 6.10 M INSERT	20 FT 6.10 M INSERT	12.19 M INSERT	12.19 M INSERT									
12 140 BASIC	42.7	OR 2	0	2	0	0	0	0	0	0	0	0	0	2	0	0
160	48.8	1	1	3	0	0	0	0	0	0	0	0	0	0	2	0
180	54.9	OR 2	1	4	0	0	0	0	0	0	0	0	0	0	2	0
200	61.0	OR 2	1	4	0	0	0	0	0	0	0	0	0	0	2	0
220	67.1	OR 2	1	4	1	0	2	4	1	4	4	4	4	0	2	0
240	73.2	OR 2	1	4	1	1	2	2	2	2	2	2	2	0	2	0
260	79.2	OR 2	1	4	2	1	4	2	12	4	12	12	12	0	2	0
280	85.3	OR 2	1	4	1	2	2	4	12	5	12	12	12	0	2	0
300	91.4	OR 2	1	4	2	2	4	4	12	5	12	12	12	0	2	0
320	97.5	OR 2	1	4	1	3	2	6	16	7	16	16	16	0	2	0
340	103.6	OR 2	1	4	2	3	4	6	20	8	20	20	20	0	2	0

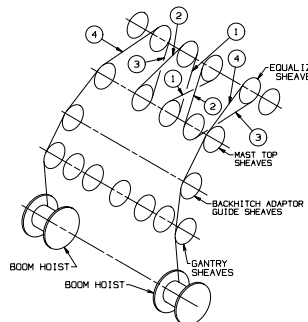
BOOM HANDLING INSTRUCTIONS			
TRAVEL SPEED NOT TO EXCEED 1/2 MPH (.80 km/h)			
BOOM ANGLE AT 10° OR LESS.			
MAST POSITION	MAX. LENGTH OF BOOM HANDLED	BOOM MAKE UP	BOOM CONDITIONS OR LIMITATIONS
UP	FEET METERS	BUTT & INSERTS	EQUALIZER PINNED TO RAILS. CAN CANTILEVER 80 FT. (24.4 M) OF INSERTS.
	230 70.1		

INSERT NOTES:

- THE SHORTER #44 INSERTS MUST BE CLOSEST TO THE TRANSITION INSERT. (20 FT (6.10 M) INSERT FIRST, THEN THE 40 FT (12.19 M) INSERTS.)
- THE MAXIMUM NUMBER OF 20 FT (6.10 M) #49A INSERTS (ITEM 45) IS 2 AND MUST BE LOCATED NEXT TO BUTT (ITEM 8).

GENERAL NOTES:

- MINIMUM BOOM LENGTH REQUIRED FOR #132 JIB = 220 FT. (67.1 M)
- WHEN #132 JIB IS USED, RUN LOAD LINE FROM WIRE ROPE GUIDE ASSEMBLY (ITEM 10), OVER JIB STRUT SHEAVE, TO JIB POINT.



BOOM HOIST REEVING DIAGRAM FOR 6 PART LINE

2150 FEET (655.3 M) OF 1.00" (26mm) 6 X 26 HARRINGTON SCALE, EXTRA IMPROVED PLD STEEL, ALTERNATE LAY, 1WRC (719095)
- B.S. 103,400 LBS. (46 900 kg)

ALTERNATE WIRE ROPE

2150 FEET (655.3 M) OF 1.00" (26mm) 6 X 26 HARRINGTON SCALE, EXTRA IMPROVED PLD STEEL, REGULAR LAY, 1WRC (719276)
- B.S. 103,400 LBS. (46 900 kg)

OR ALTERNATE WIRE ROPE

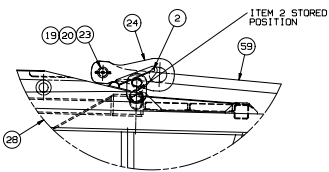
2150 FEET (655.3 M) OF 1.00" (26mm) DYFORM-6 (719359) - B.S. 113,800 LBS. (51 620 kg)

OR ALTERNATE WIRE ROPE

USE WHEN A SAFETY FACTOR OF 8.0 OR LESS IS REQUIRED.
2150 FEET (655.3 M) OF 1.00" (26mm) CASAR SUPERLAST (719372)
B.S. 137,200 LBS. (62 230 kg) (UK-EUROPEAN)

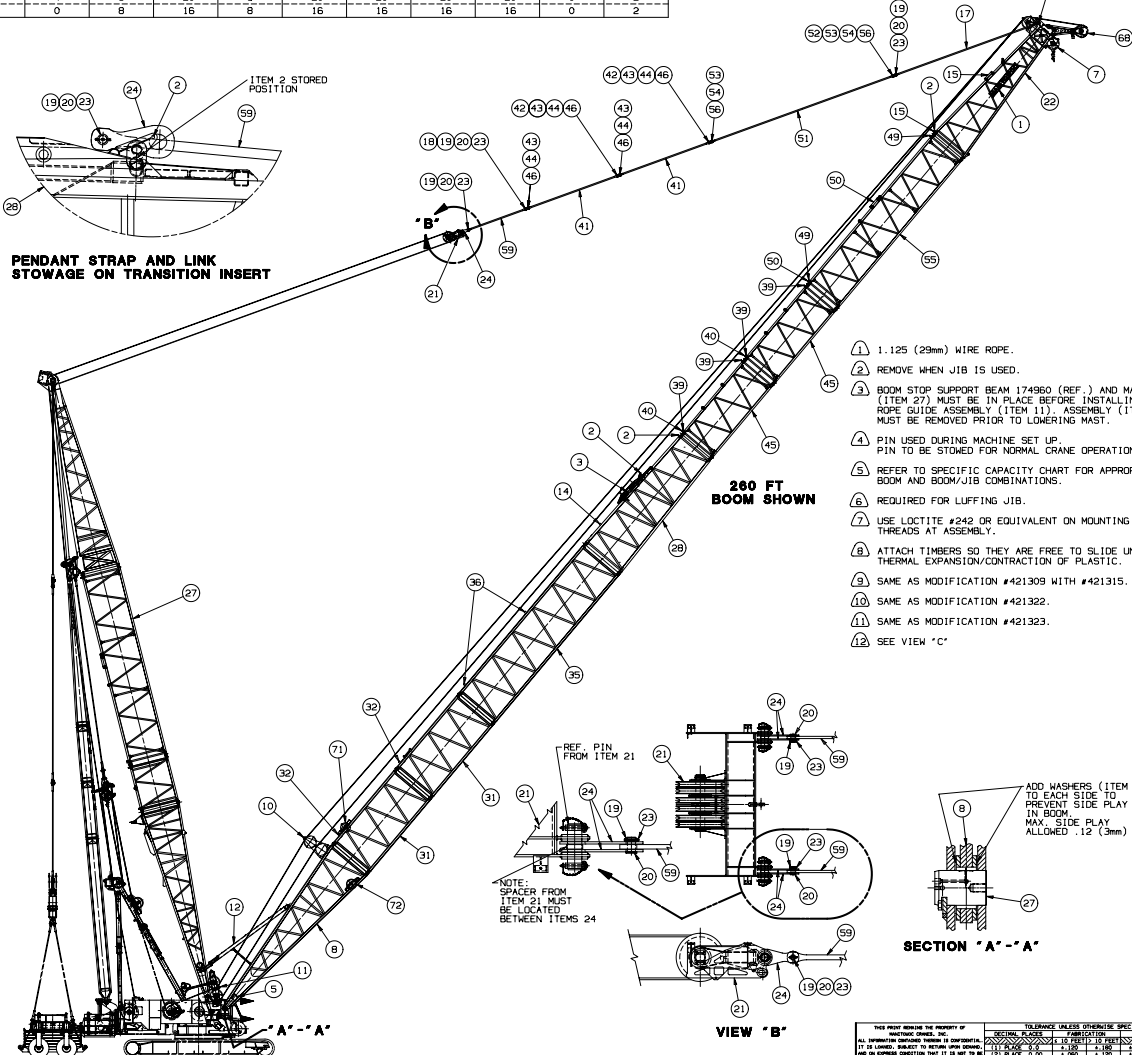
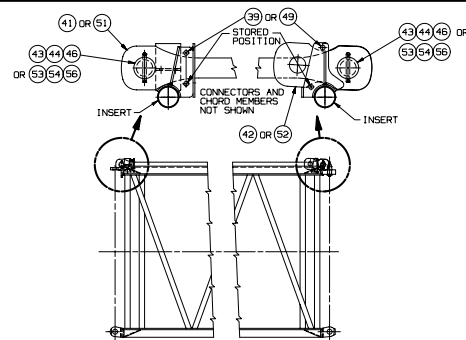
OR ALTERNATE WIRE ROPE

2150 FEET (655.3 M) OF 1.10" (28mm) DYFORM-B #RRL (719390) - B.S. 147,289 LBS. (66 809 kg) (JAPANESE)



PENDANT STRAP AND LINK STOWAGE ON TRANSITION INSERT

PENDANT STRAP STOWAGE (TYPICAL ON 20 OR 40 FT #44 INSERT)



1. 1.125 (29mm) WIRE ROPE.

2. REMOVE WHEN JIB IS USED.

3. BOOM STOP SUPPORT BEAM 174960 (REF.) AND MAST (ITEM 27) MUST BE IN PLACE BEFORE INSTALLING WIRE ROPE GUIDE ASSEMBLY (ITEM 11). ASSEMBLY (ITEM 11) MUST BE REMOVED PRIOR TO LOWERING MAST.

4. PIN USED DURING MACHINE SET UP

PIN TO BE STOWED FOR NORMAL CRANE OPERATION.

5. REFER TO SPECIFIC CAPACITY CHART FOR APPROPRIATE BOOM AND BOOM/JIB COMBINATIONS.

6. REQUIRED FOR LUFFING JIB.

7. USE LOCITE #242 OR EQUIVALENT ON MOUNTING SCREW

THREADS AT ASSEMBLY.

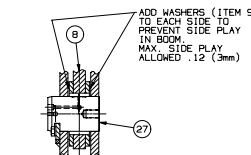
8. ATTACH TIMBERS SO THEY ARE FREE TO SLIDE UNDER THERMAL EXPANSION/CONTRACTION OF PLASTIC.

9. SAME AS MODIFICATION #421309 WITH #421315.

10. SAME AS MODIFICATION #421322.

11. SAME AS MODIFICATION #421323.

12. SEE VIEW "C"



SECTION "A-A"

VIEW "B"

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	DECIMAL PLACES	FABRICATION		MACHINING
		± 0.005		± 0.002
	(1) PLACE 0.5	± 0.005	± 0.002	± 0.001
	(2) PLACE 0.00	± 0.000	± 0.002	± 0.001
(3) PLACE 0.000	± 0.000	± 0.001	± 0.0005	
	± 0.0005		± 0.0002	