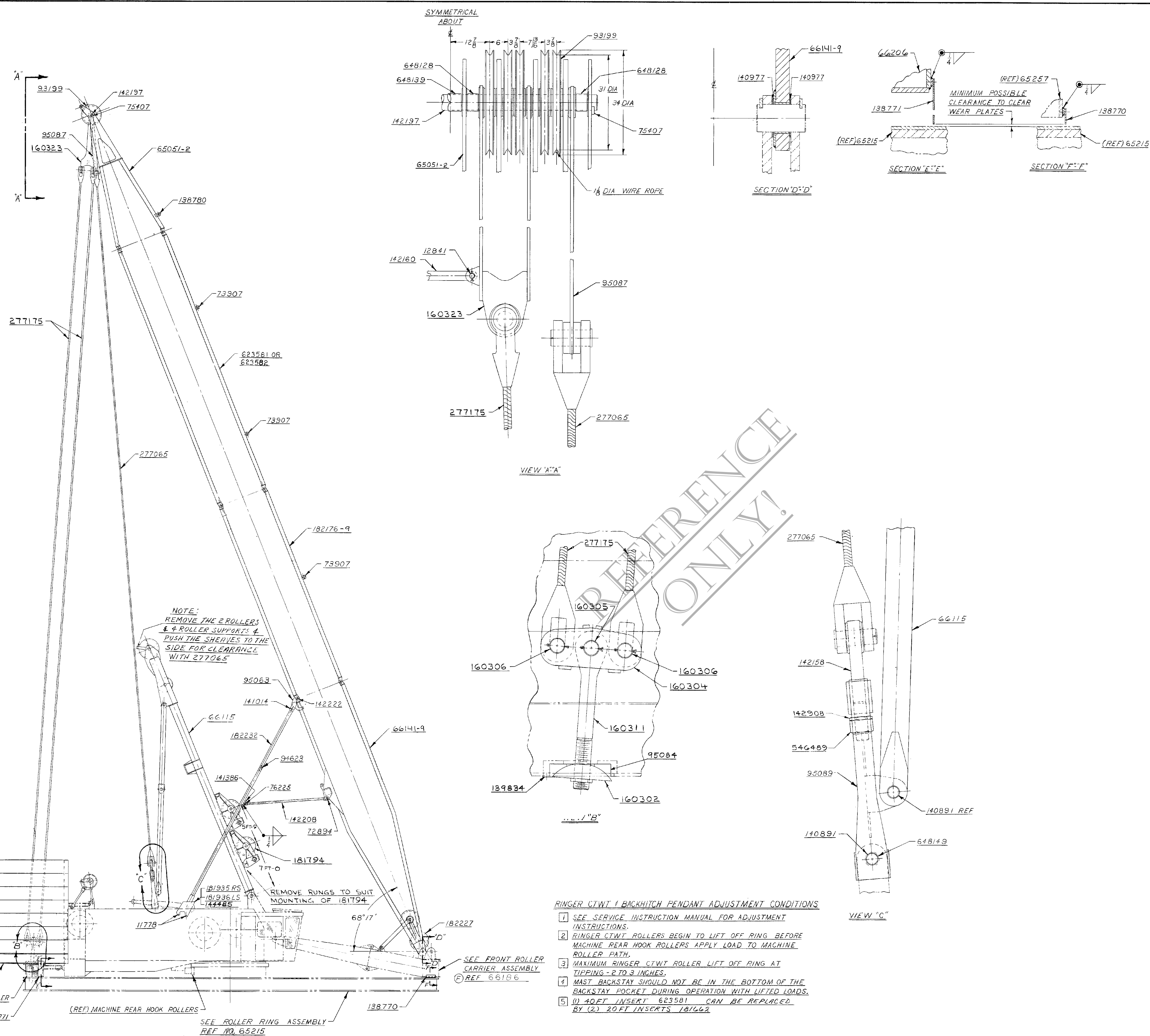




BILL OF MATERIAL						REMARKS	ASSEMBLED USED ON
ITEM NO.	QTY	DESCRIPTION	UNIT	MATERIAL	CODE NO.		
4	1	PIN		11778			66104
2	1	PIN		12841			
8	1	WASHER		140977			
1	1	40 FT INSERT (ON DWG 49682)		623581		SEE NOTE 5	
4	1	CLIP		139834			
2	1	BALL JOINT SOCKET		95084			
1	1	MAST TOP 19 FT 6		65051-2			
1	1	GANTRY ASSEMBLY		66115			
1	1	MAST BUTT 40 FT 6		66141-9			
1	1	RINGER COUNTERWEIGHT ASSY		66206			
2	1	PIN		72894			
3	1	WIRE ROPE ROLLER GUIDE ASSY		73907			
2	1	KEEPER PLATE		75407			
2	1	PIN		76225			
10	1	SHEAVE ASSEMBLY		93199			
2	1	SWIVEL BALL		160302			
2	1	CTWT EQUALIZER LINK		160304			
2	1	BACKHITCH STRAP-UPPER		95087			
2	1	COUNTERWEIGHT STRAP		160323			
2	1	BACKHITCH STRAP-LOWER		95089			
1	1	CROSSBRACE		94623			
1	1	BEAM FOR MAST BACK STAY		95063			
2	1	ROLLER RING GUARD		138770			
2	1	ROLLER RING GUARD		138771			
1	1	WIRE ROPE ROLLER GUIDE ASSY		138780			
2	1	PIN		140891			
2	1	LUG		141386			
4	1	PIN		160306			
2	1	ADJUSTABLE CONNECTOR		160311			
2	1	ADJUSTABLE CONNECTOR		142158			
1	1	TIE LINK		142160			
1	1	SHAFT		142197			
2	1	STRUT FOR MAST BACK STAY		142208			
2	1	PIN		141014			
2	1	PIN		142222			
1	1	BACK STAY SUPPORT RS		181935			
1	1	BACK STAY SUPPORT LS		181936			
1	1	30 FT INSERT		182176-9			
1	1	FRONT SHEAVE CARRIER ASSY		182227			
2	1	BACK STAY LEG		182232			
2	1	WIRE ROPE GUIDE ASSY		181794			
2	1	PIN		160305			
1	1	WRENCH		160325			
2	1	PENDANT 99 FT 10 1/4		277065		DWG 142013	
4	1	PENDANT 112 FT 0 1/2		277175		DWG 147809	
2	1	SHIM		144485			
2	1	4-4UNC-2B HEX NUT		546489			
1	1	SPACER		648128			
1	1	SPACER		648139			
2	1	SPACER		648149			
2	1	NUT (LOCK)		142908			
1	1	40 FT INSERT		623582		SEE NOTE 6	

6 ON DWG 49682 - FOR USE WITH SELF
ERECTING MAST ONLY.

DWG. NO.
66204

DATE
1-22-82

PATTERN NO.
1-22-82

CODE NO.
66204

DWG. NO.
66204

MANITOWOC ENGINEERING CO.
MANITOWOC, WISCONSIN
MODEL 4600 SERIES 4
RINGER 3

MAST ASSEMBLY
FOR 130 FOOT MAST
FOR #65 BOOM WITH
2 1/2 DIA. CTWT. PENDANTS