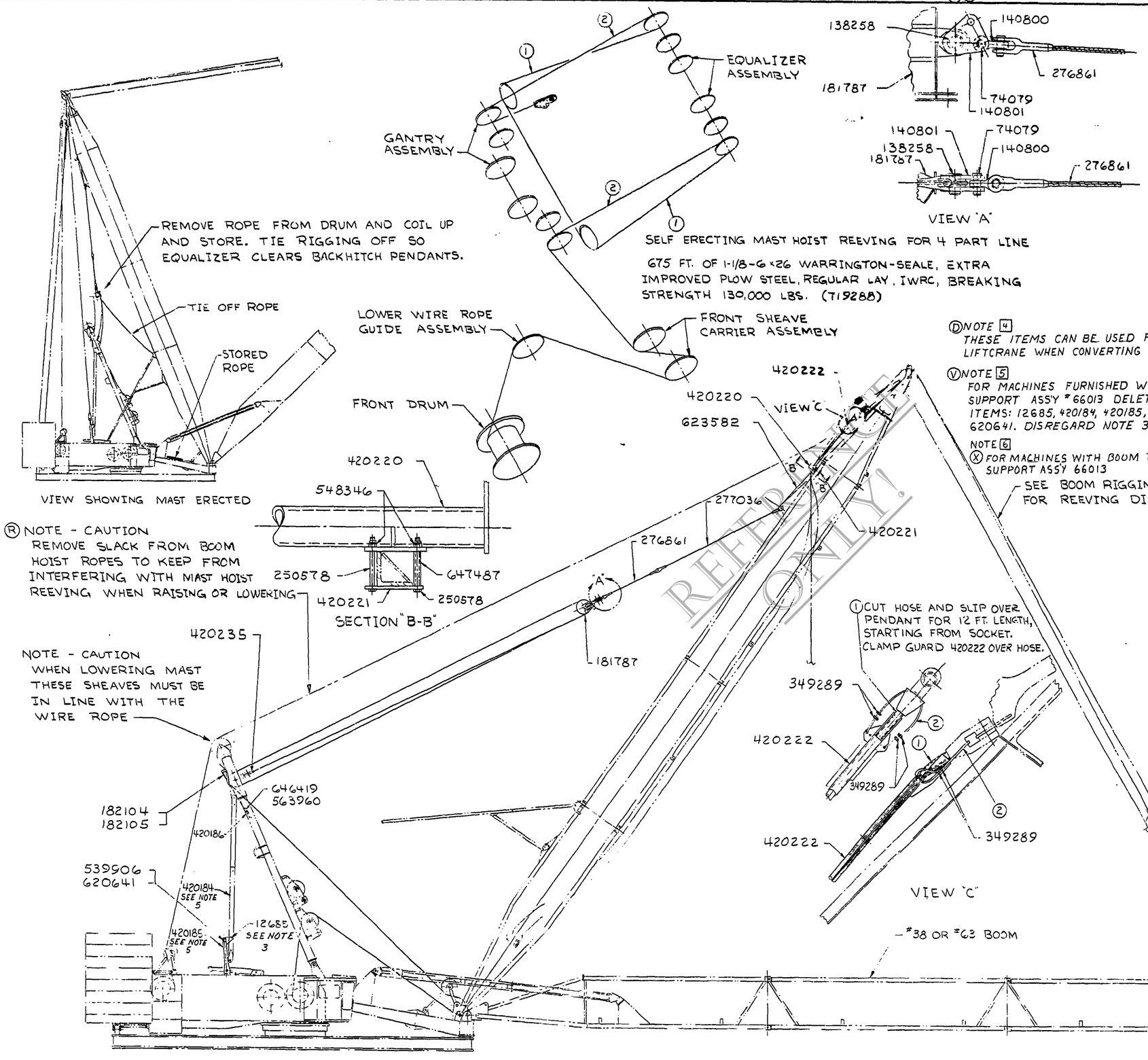

NOTE [4]
THESE ITEMS CAN BE USED FROM STANDARD LIFTCRANE WHEN CONVERTING TO RINGER.

NOTE [5]
FOR MACHINES FURNISHED WITH BOOM TRAVEL SUPPORT ASSY #66013 DELETE THE FOLLOWING ITEMS: 12685, 420184, 420185, 539906 AND 620641. DISREGARD NOTE 3.

NOTE [6]
FOR MACHINES WITH BOOM TRAVEL SUPPORT ASSY 66013

NOTE [1]
MAST MUST BE RAISED TO CLEAR THE BOOM BEFORE THE BOOM CAN BE INSTALLED. REEVE BOOM RIGGING AND LEAVE EQUALIZER ON THE GROUND TO RAISE THE MAST TO CLEARANCE POSITION. RAISE THE MAST NO HIGHER THAN 75° WITHOUT BOOM HOIST RIGGING ATTACHED AS A HOLD-BACK.

NOTE [2] RAISING THE MAST
RAISE THE MAST WITH THE FRONT DRUM, WHILE PAYING OUT BOOM HOIST LINES AT A CONSTANT RATE. KEEP SOME TENSION ON THE BOOM HOIST HOLD-BACK LINES AS THE MAST IS RAISED, TO BE SURE THERE IS NO SLACK IN THE BOOM HOIST HOLD-BACK AS THE MAST GOES OVER CENTER, AND THE BOOM HOIST LINES PICK UP THE MAST WEIGHT. LOWER MAST TO THE REAR WITH THE BOOM HOIST RIGGING WHILE TAKING UP MAST HOIST LINE SLACK WITH FRONT DRUM. LOWER MAST UNTIL MAST STOP LEGS SEAT IN THE POCKETS.

NOTE [3]
CAUTION: PINS 12685 ARE FOR USE DURING MAST ERECTION OR LOWERING ONLY. REMOVE PINS 12685 BEFORE BOOM IS RAISED & DO NOT INSTALL PINS 12685 UNTIL BOOM IS RESTING ON THE GROUND

BILL OF MATERIAL

	ITEM NO.	NO. REQ'D	DESCRIPTION	LENGTH FT.	LENGTH IN.	MATERIAL	CODE NO. OR DWG. NO.	REMARKS
(S)(E)		8	3/4-10UNC × 9" LG. H.D. BOLT				250578	(T)
		2	PIN				12685	SEE NOTE 3 & 5
(F)		4	3/4" PIPE SPACER				647487	
		2	PIN				74079	SEE NOTE 4
(G)		8	3/4-10UNC ELAS. STOP NUT				548346	
		2	PIN				138258	SEE NOTE 4
		1	DRUM ANCHOR				140736	
		2	LINK				140800	SEE NOTE 4
		2	LINK				140801	SEE NOTE 4
		1	WIRE ROPE GUIDE (R.H.)				182104	
		1	EQUALIZER ASSEMBLY				181787	SEE NOTE 4
		1	WIRE ROPE GUIDE (L.H.)				182105	
		2	PENDANT 10 FT-0 LG.				276861	DWG 76280 SEE NOTE 4
		2	PENDANT 23 FT-4 LG.				277036	DWG. 140773 SEE NOTE 4
(H)	1	24 FT.	2 3/8 I.D. RADIATOR HOSE				485675	(8) 3FT. LGTHS
(U)		1	40 FT INSERT WITH MOD.				623582	ON DWG. 49682
		2	BACKHITCH BOTTOM STRAP MOD				420184	SEE NOTE 5
		2	LOWER BACKHITCH LINK MOD				420185	SEE NOTE 5
		1	GANTRY MOD.				420186	
(B)		2	BRASS PLATE (22543 SHIT OF 17)				539906	SEE NOTE 5
		1	PIN				563960	
		1	1-1/8 WEDGE SOCKET				646419	
(C)		8	#6×3/16 SELF TAP SCREW				620641	SEE NOTE 5
(J)		1	PENDANT GUIDE				420220	
(K)		2	CLAMP PLATE				420221	
(L)		2	PENDANT GUARD				420222	
(M)		8	3/4" WIRE ROPE CLIP				349289	
(P)(N)	2	22 FT.	3/4" WIRE ROPE				719039	(2) 11 FT LGTHS
(Q)	OR	1	SHEAVE BRACKET MOD.				420235	
(W)		1	SHEAVE BRACKET MOD.				420607	SEE NOTE 6

ASSEMBLIES USED ON

REVISIONS
10-18-79 RCK (A) ADDED
12-21-79 R.H. (B)(C)(D)(E)(F)(G)(H)(J)(K)(L)(M)(N) ADDED
2-22-80 R.H. (P) WAS 18 FT. (Q)(R) ADDED REVISED PRIOR TO MANUFACTURE
3-16-82 SPS (S) WAS 8 1/2 LG. (T) WAS 257178
6-3-83 LS (U) WAS 420181
11-2-83 R.A.D. (V) ADDED
6-29-84 DCB (W)(X) ADDED

DWG. NO. 420187

REFERENCE ONLY!

SCALE 1/8" = 1 FT.	DWG. NO. 420187	MANITOWOC ENGINEERING CO. MANITOWOC, WISCONSIN — MAST SELF ERECTING ASSEMBLY
DR. R.H.		MODEL 4600 SERIES 4
CK. LS		RINGER 3
APP.		

DATE 9-26-79
PATTERN NO.
CODE NO.
DWG. NO. 420187