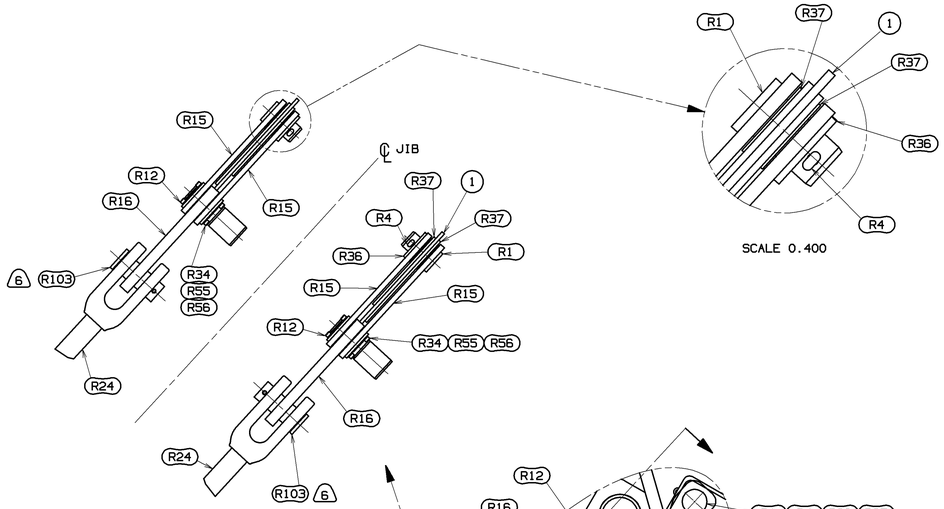
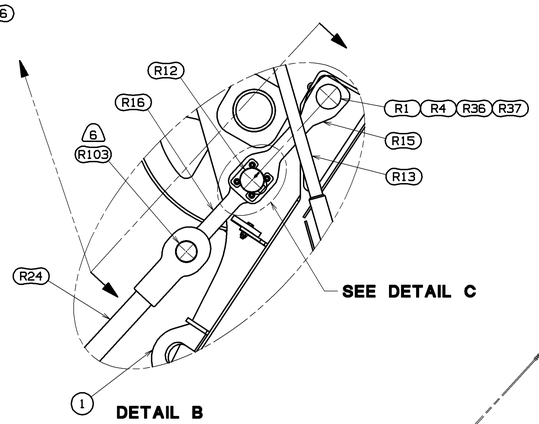
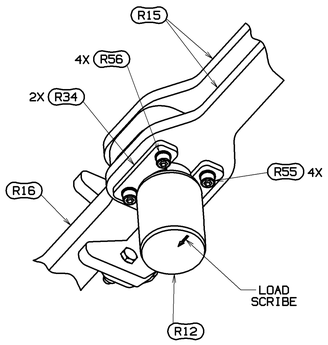
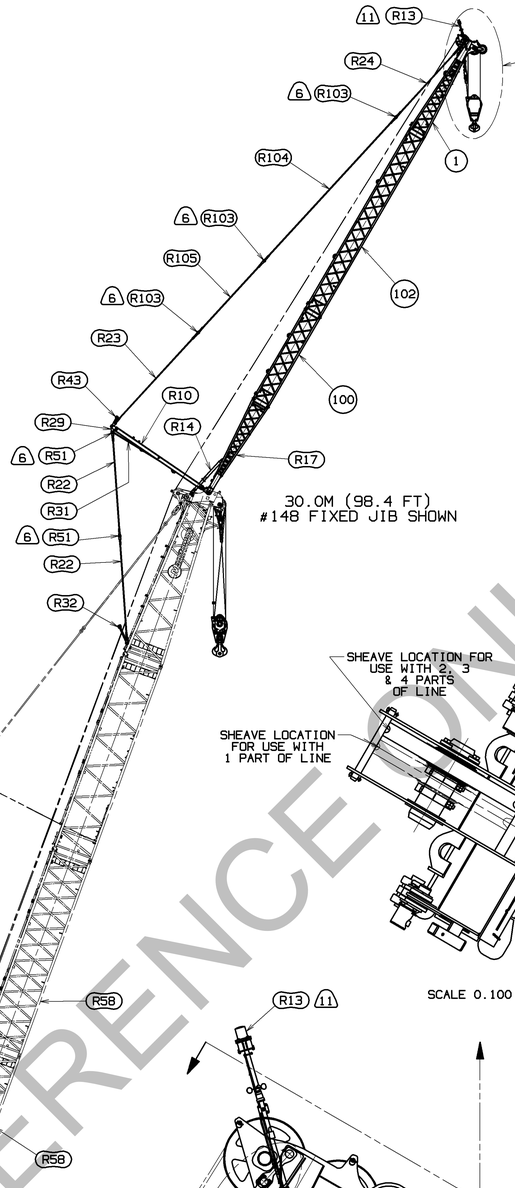




DETAIL B
SCALE 0.150

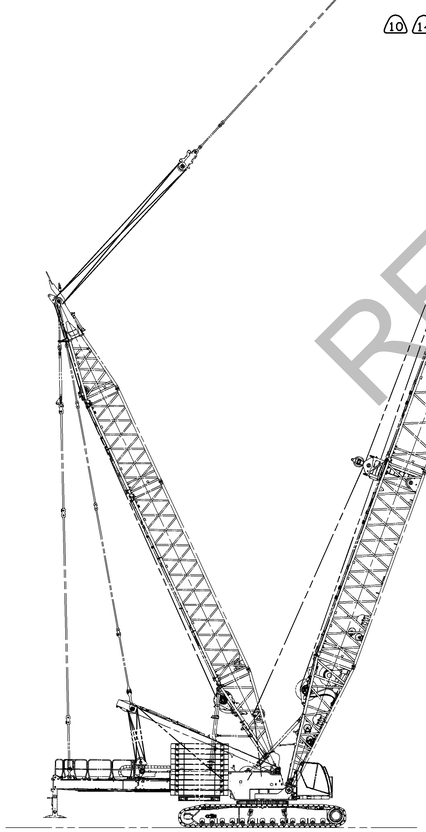


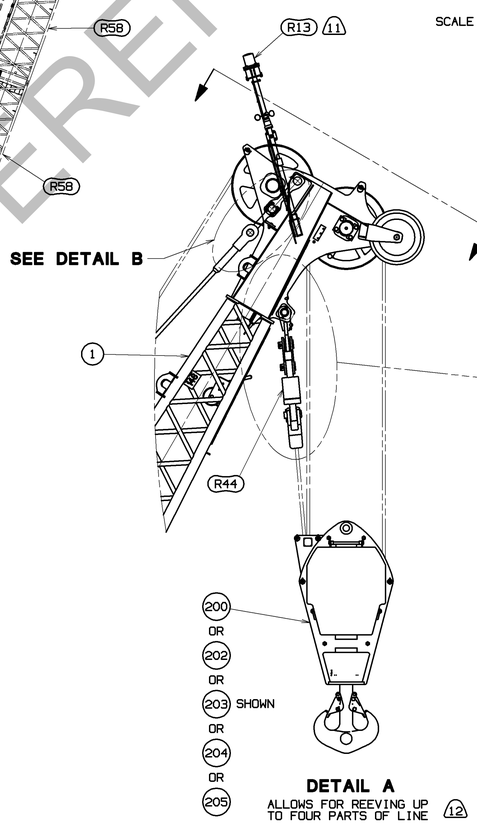
DETAIL C
SCALE 0.400



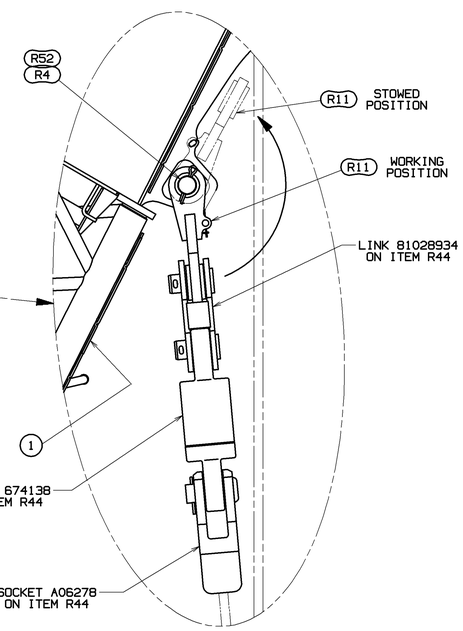
30.0M (98.4 FT)
#148 FIXED JIB SHOWN

1. TOP 6.0M I.D. TAG #81033587
2. INSERT 6.0M I.D. TAG #81033283
3. INSERT 12.0M I.D. TAG #81033294
4. BUTT 6.0M I.D. TAG #81034171
5. FULL TITLE DESCRIPTION: JIB NO. 148 ON B60:500
6. FOR REPLACEMENT INFO ONLY. PENDANT PINS ARE FURNISHED WITH PENDANT.
7. INSERTS AND CORRESPONDING PENDANTS MUST BE INSTALLED IN ORDER OF ASCENDING LENGTH STARTING AT JIB BUTT. SEE SHEET 2 JIB/JIB PENDANT MAKE-UP.
8. STOWS IN PARTS BOX 81028769
9. SEE DETAIL G ON SHEET 3 FOR PENDANT HOLE IDENTIFICATION IN STRUT LINK R43 AND DETAIL N ON SHEET 4 FOR PENDANT MOUNT LOCATION.
10. FOR MAKEUP OF BOOM SEE BOOM RIGGING B60:500 DRAWING 81023382
11. RELOCATE FROM MAIN BOOM.
12. SEE BLOCK REEVING DRAWING 84034030 FOR DRUM RIGGING CONFIGURATION OPTIONS AND INSTRUCTIONS.
13. REFER TO CAPACITY CHART IF JIB BACKSTAY STRAPS, LINKS AND RETAINING HARDWARE REMAIN ON BOOM ASSY.
14. SEE SHEET 6 FOR ENCAPSULATING SHEAVE (ITEM 150) INSTALLATION AND LOCATION PER DESIRED BOOM LENGTH CONFIGURATION.
15. SEE SHEET 5 FOR SHIPPING CONFIGURATION.





DETAIL A
ALLOWS FOR REEVING UP TO FOUR PARTS OF LINE
SCALE 0.050



ITEM R44
DEAD END W/SWIVEL
SCALE 0.150

BILL OF MATERIAL

ITEM NO. / REC. NO. PER ASSY	QTY	DESCRIPTION	LENGTH IN.	MATERIAL	DWG. NO. OR SPEC. NO.	ASSEMBLIES USED ON
		JIB RIGGING JIB NO. 148				81023943
1	1	TOP ASSY #148, 6.00M			81033586	1
2	1	FIXED JIB #148 BOTTOM ASSY			81035648	15
3						
4						
		NO. REQ'D FOR THE FOLLOWING ITEMS ARE IN THE JIB LENGTH TABLE (SHEET 2)				
100		INSERT ASSY #148, 6.00M			81032966	2
101						
102		INSERT ASSY #148, 12.00M			81032985	3
		NO. REQ'D FOR THE FOLLOWING ITEMS ARE IN THE BOOM LENGTH TABLE (SHEET 6)				
150		GUIDE ASSY			84048777	14
151						
		OPTION 1: HOOK BLOCKS				
200	1	BLOCK HOOK 45 TON/41 MTON 1.12 DIA WR 1 SHEAVE			236503	
201						
202	1	BLOCK HOOK 135MT 32MM WR 3 SHEAVES			81023461	
203	1	BLOCK HOOK 100MT 28MM WR 3 SHEAVES			81031987	
204	1	WEIGHT BALL SWIVEL 22.2MT, 28MM & 32MM WR			81033344	
205	1	HOOK BLOCK 160MT 35H 32WR			84027344	
206						
		BASIC REFERENCE ITEMS				
R1	2	PIN 1 HOLE W/HD 2.25 DIA X 3.11 LG			179863	
R2	2	PIN COTTER 1/4 DIA X 3.00 LG			562110	
R3	4	PIN COTTER 3/8 DIA X 4.00 LG			562152	
R4	7	PIN COTTER 1/2 DIA X 3.50 LG			562171	
R5	2	PIN COTTER 1/2 DIA X 4.50 LG			562174	
R6	10	PIN COTTER 1/2 DIA X 6.00 LG			562179	
R7	4	PIN 1 HOLE W/HD 1.625 DIA X 3.69 LG			564095	6
R8						
R9	4	PIN COTTER 3/16 DIA X 1.50 LG			562085	
R10	1	STRUT ASSY #148 JIB 6.4M			81023843	
R11	1	LINK CROSS, 58.8 DIA HOLE			81031099	
R12	2	PIN LOAD 55.0MM DIA X 32500 KGS			81031388	
R13	1	ESI POSITION LIGHT AND ANEMOMETER			81031642	11
R14	1	STOP ASSY #148 JIB			81033463	
R15	4	LINK TOP ASSY			81034020	
R16	2	LINK TOP ASSY			81034021	
R17	1	BUTT ASSY #148, 6.00M			81034170	4
R18	1	STOP RIGGING #148 JIB			81035649	
R19	1	GUIDE ASSY DRUM 6 UPPER			81027946	
R20	1	GUIDE ASSY DRUM 6 LOWER			81027949	
R21	2	COLLAR 131.0 MM ID			81033386	
R22	4	PENDANT 1.50 DIA X 6015.0 MM			81037322	
R23	2	PENDANT 1.375 DIA X 7119 MM			81037325	
R24	2	PENDANT 1.375 DIA X 5386 MM			81037326	
R25	2	PIN 2 HOLE 12.7 DIA X 167.0 LG			81039284	
R26	1	GUIDE ASSY DRUM 2,3 LOWER			81029022	
R27	1	GUIDE ASSY DRUM 2,3 UPPER			81029628	
R28	2	PIN 1H 41.0 DIA X 140.0			81040027	
R29	1	SPREADER WELDMENT 148 FIXED JIB			81040107	
R30	1	LINK #148 STRUT RAISING			81040480	
R31	2	PENDANT 0.875 DIA X 4877 MM			81040539	
R32	2	LINK BACKSTAY			81040662	
R33	2	LINK 6.00 MM			84021161	
R34	8	RETAINER PLATE 8 MM			84032307	
R35	2	PIN WITH HEAD 41.0 DIA X 150.0 LG			84036215	
R36	2	WASHER 100.0 X 60.0 X 8.0			84036725	
R37	4	WASHER 100.0 X 60.0 X 3.0			84036940	
R38	2	PIN 1H 76.0 DIA X 157.0			81040892	
R39	2	PIN 1H 57.15 DIA X 129.0			81040893	
R40						
R41	4	PIN 1H 46.4 DIA X 91.0			81041095	
R42	4	PIN 1H 70.4 DIA X 123.0			81041327	
R43	4	PLATE 20.0 MM			81042663	
R44	1	LINK ASSY DEAD END			81042356	8
R45	2	STOP RIGGING SUBASSY			84022405	
R46	1	PIN 55.0 DIA X 70.0 LG			84022406	
R47	1	SAFETY PIN 3.2 DIA X 50.8 LG			84024200	
R48	1	PIN 1 HOLE 12.7 DIA X 96.2 LG			84024240	
R49	2	PIN 1 HOLE 130.0 X 321.5			84028326	
R50	2	PIN 1 HOLE W/HD 2.50 DIA X 4.38 LG			A08665	
R51	4	PIN COTTER 1 HOLE W/HD 2.75 DIA X 6.75 LG			A08716	6
R52	1	PIN 1 HOLE W/HD 2.25 DIA X 4.02 LG			A10670	
R53						
R54						
R55	16	SCR SKT HD M10X25 10.9 FLZ4762			7127191254	
R56	16	L WASHER 10 ST DIN 127B			7951190220	
R57						
R58		INSERT ASSY #500, 12.00M MEDIUM			81027808	10
		NO. REQ'D FOR THE FOLLOWING REFERENCE ITEMS ARE IN THE JIB LENGTH TABLE (SHEET 2)				
R100						
R101		PIN 2 HOLE 1.75 DIA X 3.41 LG			070366	
R102		PIN COTTER 3/8 DIA X 6.00 LG			562158	
R103		PIN 1 HOLE W/HD WIRE ROPE SOCKET			564081	6
R104		PENDANT 1.375 DIAX11309 MM			81037323	
R105		PENDANT 1.375 DIAX5654 MM			81037324	
R106						
R107						
R108						

REVISIONS

DWG. NO. 84049566
SHT 1 OF 6

PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 8828103794 FOR COMPONENTS LISTED IN GS2500-05-035

DATE 01-20-17
REV. LTR. A

DWG. NO. 84049566
SHT 1 OF 6

TOLERANCE UNLESS OTHERWISE SPECIFIED

DECIMAL PLACES	FABRICATION ≤ 10 FEET	FABRICATION > 10 FEET	MACHINING
(1) PLACE 0.0	±.12	±.19	±.03
(2) PLACE 0.00	±.06	±.12	±.015
(3) PLACE 0.000			±.005
ANGLES	±1°30'		±0°30'

SCALE .008
DR. RHV
CK. DLG
APP JRR

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin
MODEL MLC300

JIB RIGGING
JIB NO. 148

DWG. NO. 84049566

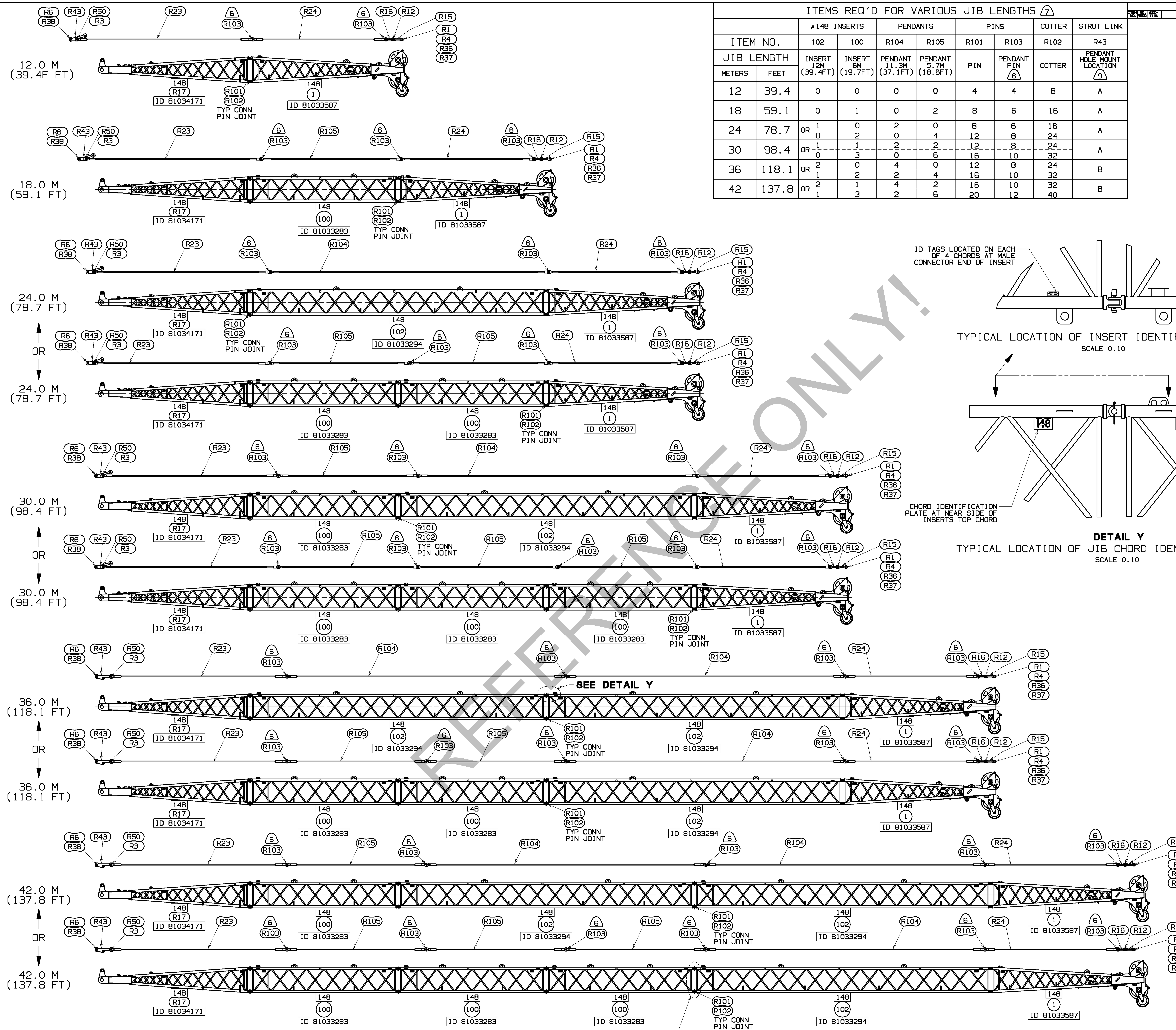
DO NOT SCALE THIS DRAWING

5

SHT 1 OF 6

ITEMS REQ'D FOR VARIOUS JIB LENGTHS (7)

		#148 INSERTS		PENDANTS		PINS		COTTER	STRUT LINK
ITEM NO.		102	100	R104	R105	R101	R103	R102	R43
JIB LENGTH METERS	FEET	INSERT 12M (39.4FT)	INSERT 6M (19.7FT)	PENDANT 11.3M (37.1FT)	PENDANT 5.7M (18.6FT)	PIN	PENDANT PIN (6)	COTTER	PENDANT HOLE MOUNT LOCATION (9)
12	39.4	0	0	0	0	4	4	8	A
18	59.1	0	1	0	2	8	6	16	A
24	78.7	1 OR 0	0 OR 2	2 OR 0	0 OR 4	8 OR 12	6 OR 8	16 OR 24	A
30	98.4	1 OR 0	1 OR 3	2 OR 0	2 OR 6	12 OR 16	8 OR 10	24 OR 32	A
36	118.1	2 OR 1	0 OR 2	4 OR 2	0 OR 4	12 OR 16	8 OR 10	24 OR 32	B
42	137.8	2 OR 1	1 OR 3	4 OR 2	2 OR 6	16 OR 20	10 OR 12	32 OR 40	B



RECOMMENDED JIB MAKEUP
FOR TYP PIN JOINTS SEE
DETAIL B, DETAIL C, DETAIL E AND DETAIL X

TYPICAL LOCATION OF INSERT IDENTIFICATION TAGS
SCALE 0.10

DETAIL Y
TYPICAL LOCATION OF JIB CHORD IDENTIFICAION PLATE
SCALE 0.10

BILL OF MATERIAL

ITEM NO.	NO. REQD	DESCRIPTION	LENGTH	MATERIAL	CODE NO. OR DWG. NO.

ASSEMBLIES USED ON

REVISIONS

DWG. NO. 84049566
SHT 2 OF 6

PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 6829103794 FOR COMPONENTS LISTED IN GDS500-05-035

TOLERANCE UNLESS OTHERWISE SPECIFIED

DECIMAL PLACES	FABRICATION ≤ 10 FEET	FABRICATION > 10 FEET	MACHINING
(1) PLACE 0.0	±.12	±.18	±.03
(2) PLACE 0.00	±.06	±.12	±.015
(3) PLACE 0.000			±.005
ANGLES	±1°30'		±0°30'

MACHINING TOLERANCE APPLIES TO THIS DIMENSION AND/OR SURFACE

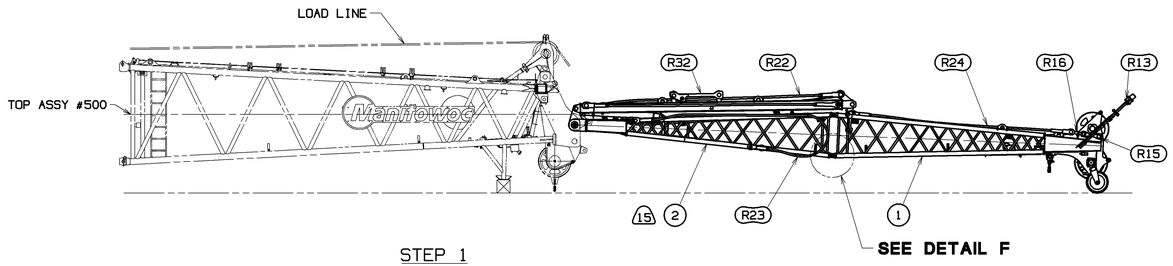
SCALE .020
DR. RHV
CK. DLG
APP JRR

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin
MODEL MLC300

JIB RIGGING
JIB NO. 148

DATE 01-20-17
REV. LTR. A
DWG. NO. 84049566
(5)

DO NOT SCALE THIS DRAWING

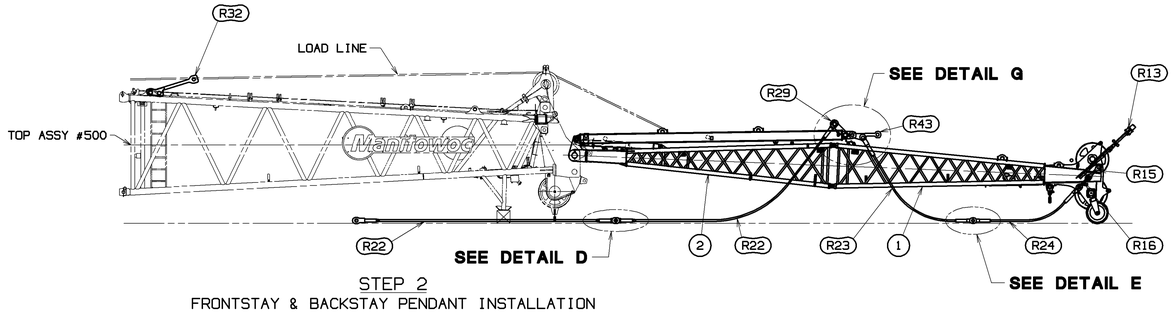


STEP 1
JIB TO BOOM TOP ASSEMBLY

RIG BOOM PER BOOM RIGGING DRAWING 81023382.
TEMPORARILY REMOVE JIB HINGE HARDWARE (R9, R21, R25 & R49) FROM JIB BUTT (ITEM 2).
(SEE SECTION VIEW R-R ON SHEET 5).
USING ASSIST CRANE ALIGN JIB BOTTOM ASSY SHIPPING UNIT (ITEM 2) TO BLOCKED BOOM TOP AS SHOWN.
REINSTALL JIB HARDWARE (R9, R21, R25, & R49)(SEE SECTION VIEW R-R ON SHEET 5).

ASSEMBLE JIB INSERTS (ITEMS 100 & 102) AND JIB TOP (ITEM 1) TO JIB BOTTOM ASSY SHIPPING UNIT (ITEM 2)
PER DESIRED JIB CONFIGURATION ON SHEET 2.
INSTALL UPPER AND LOWER CONNECTOR PINS (R101) AND COTTERS (R102). (SEE DETAIL X ON SHEET 6 AND DETAIL F ON SHEET 3).

PULL HAND WINCH LINE FROM JIB TOP (ITEM 1) AND CONNECT TO WINCH LINE ON JIB BUTT (R17 AS PART OF ITEM 2) (SEE DETAIL F).
USE JIB TOP HAND WINCH TO DISENGAGE SPRING LOADED STOP PINS (R35). (SEE VIEW G-G).

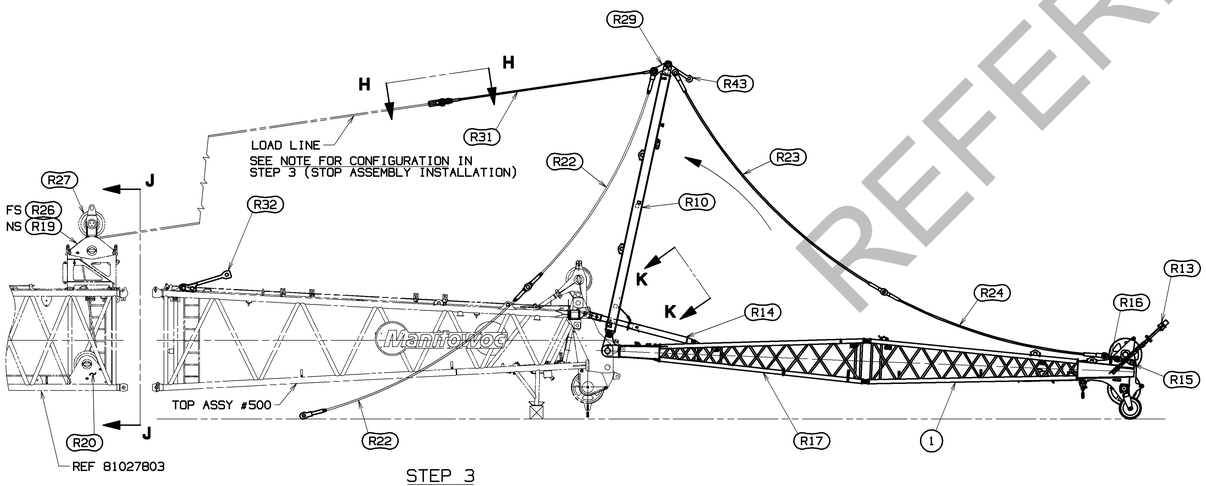


STEP 2
FRONTSTAY & BACKSTAY PENDANT INSTALLATION

REMOVE FRONTSTAY PENDANTS (R23, R24, R104 & R105) FROM STOWAGE POSITION.
(SEE DETAIL X ON SHEET 6 AND FIXED JIB BOTTOM ASSEMBLY SHIPPING CONFIGURATION ON SHEET 5).
PIN PENDANT TO PENDANT (SEE DETAIL E) AND PENDANT (R23) TO FRONTSTAY LINK (R43) PER JIB LENGTH.
(SEE DETAIL G ON SHEET 3 AND DETAIL N ON SHEET 4 AND JIB LENGTH TABLE ON SHEET 2 FOR CORRECT PENDANT HOLE MOUNT LOCATION).

REMOVE BACKSTAY PENDANTS (R22) FROM STOWAGE POSITION. (SEE FIXED JIB BOTTOM ASSEMBLY SHIPPING CONFIGURATION ON SHEET 5).
PIN PENDANT TO PENDANT. (SEE DETAIL D).

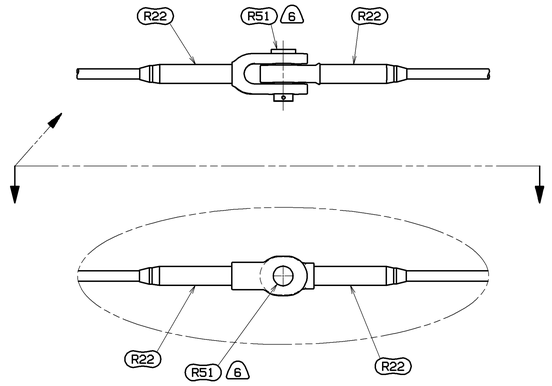
DETACH BACKSTAY LINKS (R32) FROM FIXED JIB BOTTOM ASSEMBLY (ITEM 2) AND PIN TO BOOM TOP. (SEE DETAILS M & N ON SHEET 4).
DETACH LINKS (R33) HOLDING STRUT (R10) TO JIB BUTT (R17). (SEE DETAIL Q ON SHEET 5).



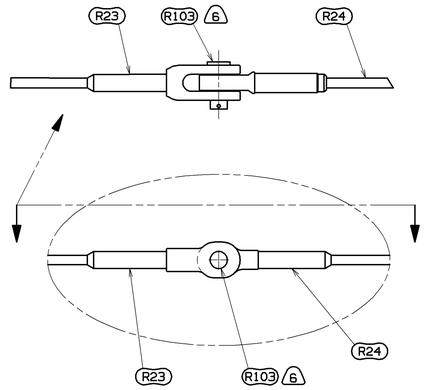
STEP 3
STOP ASSEMBLY INSTALLATION

DETACH STRUT RAISING LINK (R30) FROM STRUT (R10). (SEE DETAIL S ON SHEET 5).
DETACH (1) STRUT RAISING PENDANT (R31) FROM STOWED POSITION AND ATTACH TO STRUT RAISING LINK (R30).
(SEE VIEW H-H ON SHEET 3 AND FIXED JIB BOTTOM ASSY SHIPPING CONFIGURATION ON SHEET 5).
ATTACH LOAD LINE TO STRUT RAISING LINK (R30). (SEE VIEW H-H AND NOTE FOR CONFIGURATION).
HOIST IN TO RAISE STRUT (R10) UNTIL STOP ASSY (R14) IS AT DESIRED ANGLE TO PIN TO BOOM TOP STOP LUG. (SEE VIEW K-K).
ENSURE STOP RAISING PENDANTS (R45) ARE PINNED IN THE STOP (R14) AND STRUT (R10) DURING STRUT RAISING. (SEE VIEW K-K).
POSITION PIN (R28) IN STOP TUBE PER DESIRED JIB OFFSET ANGLE. (SEE DETAIL U ON SHEET 5).
USING STOP TUBE HANDLES SLIDE STOP ASSY TOWARD BOOM TOP STOP LUGS.
INSTALL PIN (R41) AND COTTER (R4) TO ATTACH STOP (R14) TO BOOM TOP WHILE HOLDING STRUT (R10) WITH LOAD LINE. (SEE DETAIL U ON SHEET 5).
DISCONNECT STOP RAISING PENDANTS (R45) FROM STOP ASSY PENDANT LUG AND STOW ON STRUT PENDANT LUG. (SEE VIEW K-K).

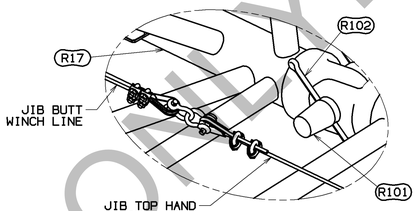
NOTE FOR CONFIGURATION: IF DRUM 2 OR 6 ARE EQUIPPED, DRUM 2 OR 6 MUST BE USED FOR STRUT RAISING. DRUM 1 OR 3 CANNOT BE USED.
THE LOAD LINE FROM DRUM 2 MUST NOT BE CONTAINED BETWEEN THE TWO SHEAVES ON THE WIRE ROPE GUIDES R26 & R27.
DRUM 2 LOAD LINE MUST LAY ON TOP OF SHEAVES R27 WHEN ASSEMBLING TO RAISING PENDANTS R31.
IF USING LOAD LINE FROM DRUM 1 (WITHOUT DRUM 2 OR 6 EQUIPPED), THE WIRE ROPE GUIDES R26 & R27 INCLUDING THE FRAME MUST BE STOWED.



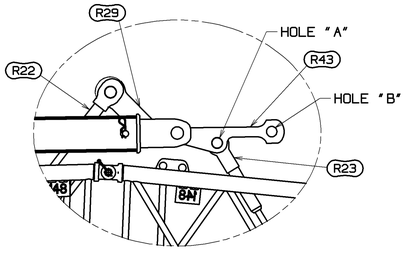
DETAIL D
SCALE 0.125



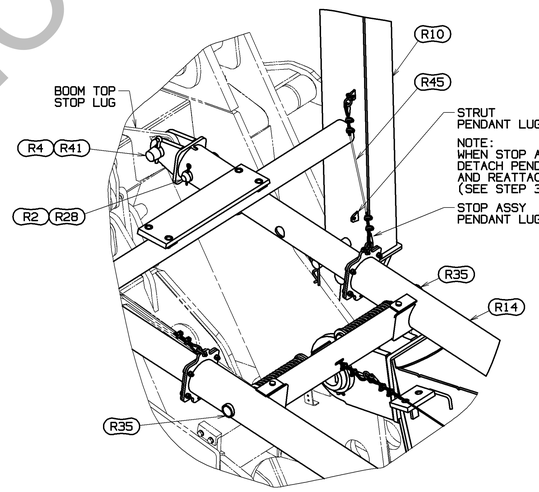
DETAIL E
SCALE 0.125



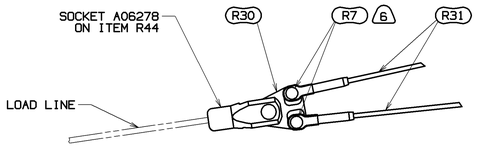
DETAIL F
SCALE 0.300



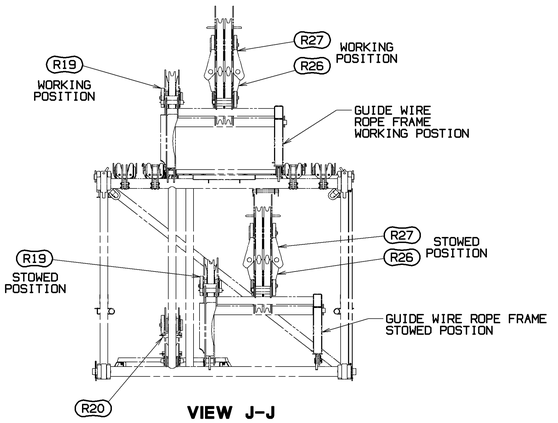
DETAIL G
SCALE 0.075



VIEW K-K
SCALE 0.125



VIEW H-H
SCALE 0.090



VIEW J-J
SCALE 0.040

BILL OF MATERIAL

ITEM NO. / REC. NO. PREFIX / ITEM	DESCRIPTION	LENGTH IN.	MATERIAL	DWG. NO. OR STAND. NO.

ASSEMBLIES USED ON

REVISIONS

DWG. NO. 84049566
SHT 3 OF 6

PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 8829102794 FOR COMPONENTS LISTED IN GDS500-05-035

DATE 01-20-17
REV. LTR. A

DWG. NO. 84049566
SHT 3 OF 6

TOLERANCE UNLESS OTHERWISE SPECIFIED

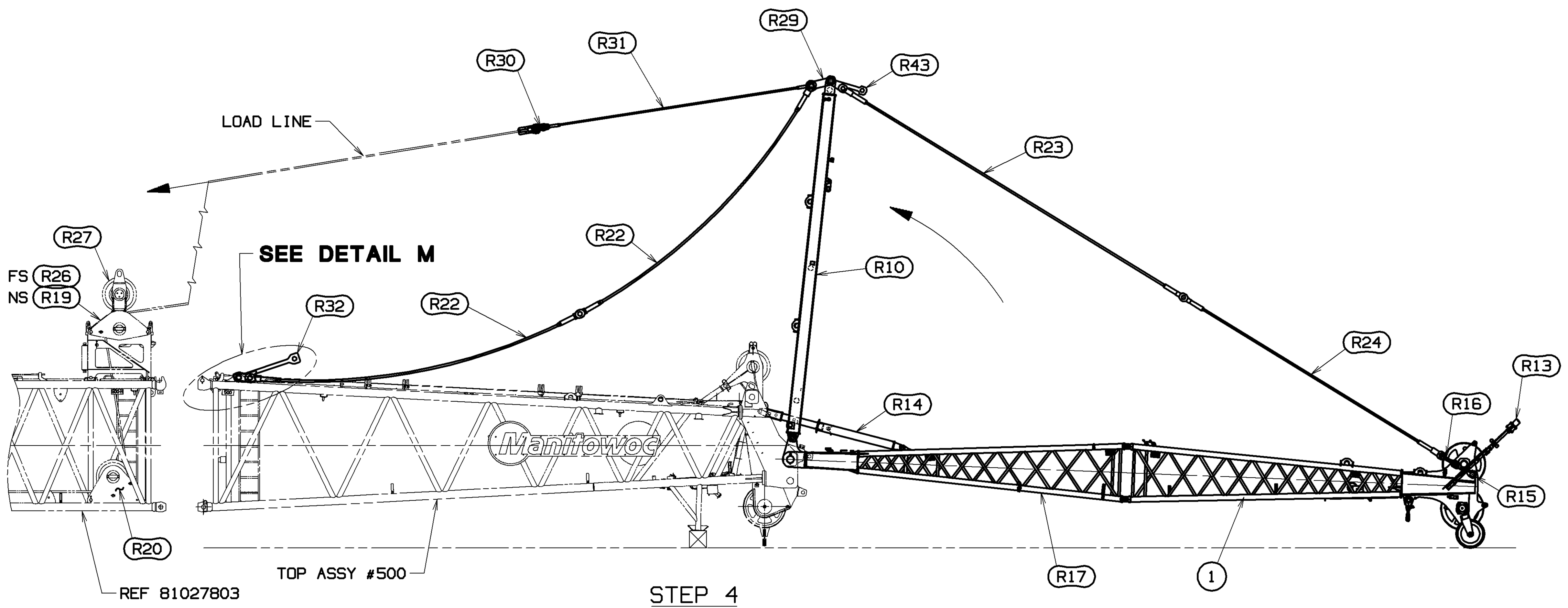
DECIMAL PLACES	FABRICATION ≤ 10 FEET	FABRICATION > 10 FEET	MACHINING	SURFACE FINISH MACHINED SURFACES 125
(1) PLACE 0.0	±.12	±.18	±.03	
(2) PLACE 0.00	±.06	±.12	±.015	
(3) PLACE 0.000			±.005	
ANGLES	±1°30'		±0°30'	

SCALE 020
DR. RHV
CK. DLG
APP JRR

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin
MODEL MLC300
JIB RIGGING
JIB NO. 148

DO NOT SCALE THIS DRAWING

5

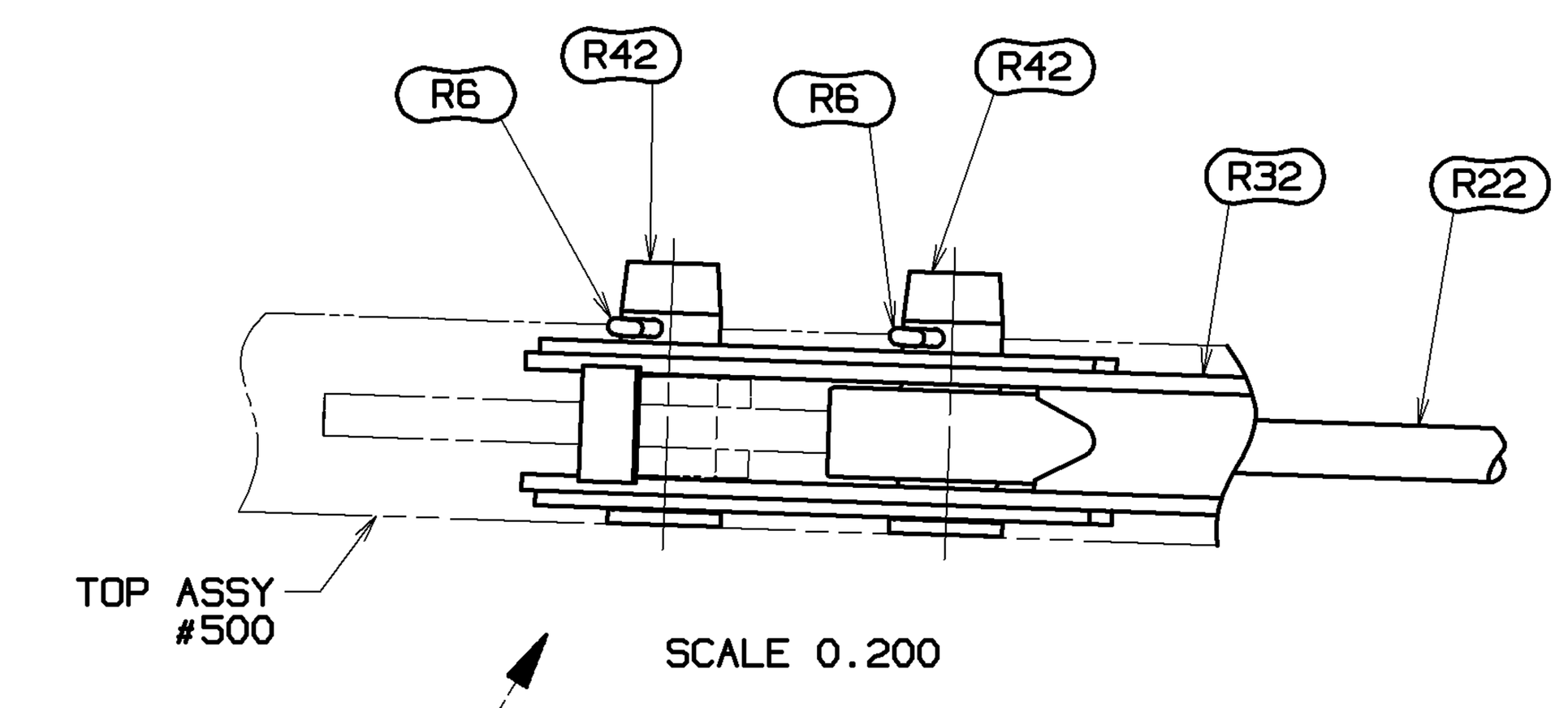


STEP 4
BACKSTAY PENDANT TO BOOM TOP

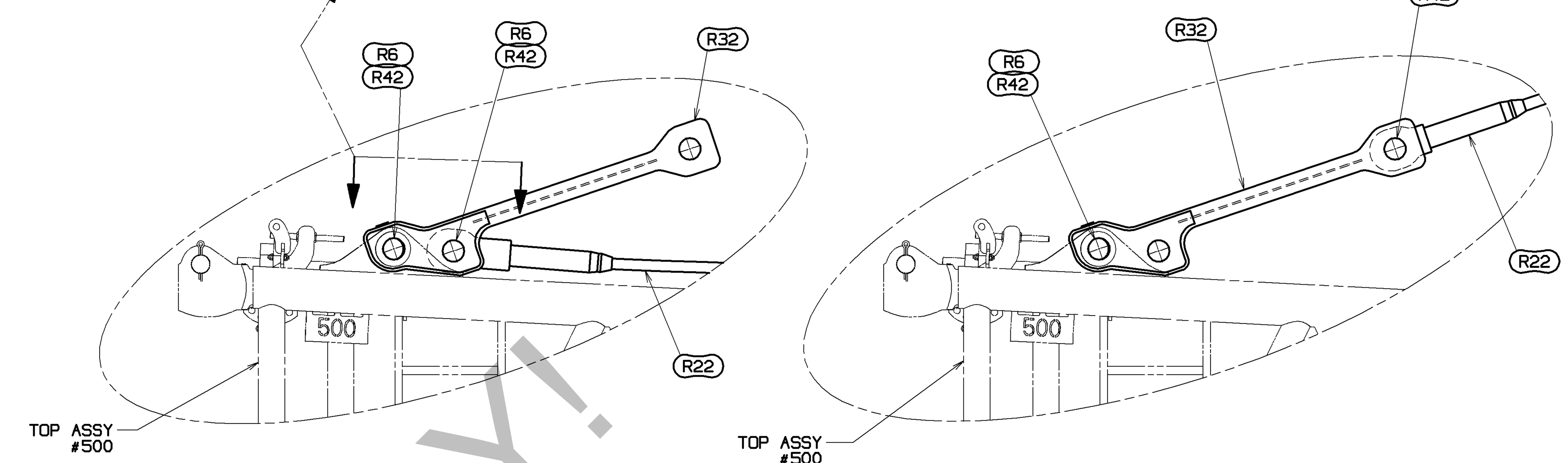
CONTINUE RAISING STRUT (R10) WITH LOAD LINE UNTIL FRONTSTAY PENDANTS ARE TIGHT.
PIN BACKSTAY PENDANTS (R22) TO BACKSTAY LINKS (R32) ON BOOM TOP.
(SEE DETAIL M FOR CORRECT PIN LOCATIONS ON BACKSTAY LINKS BASED ON JIB OFFSET ANGLE).

NOTE: IF REQUIRED LIFT JIB OFF GROUND USING THE LOAD LINE TO PIN BACKSTAY PENDANTS TO BACKSTAY LINKS.

CAUTION: DO NOT USE LOAD LINE TO LIFT 36M OR 42M JIBS OFF THE GROUND, DAMAGE TO DRUM CAN OCCUR.
DO NOT RAISE JIB MORE THAN REQUIRED TO MAKE BACKSTAY CONNECTION.
DAMAGE TO WIRE ROPE GUIDE AND STRUT CAN OCCUR.



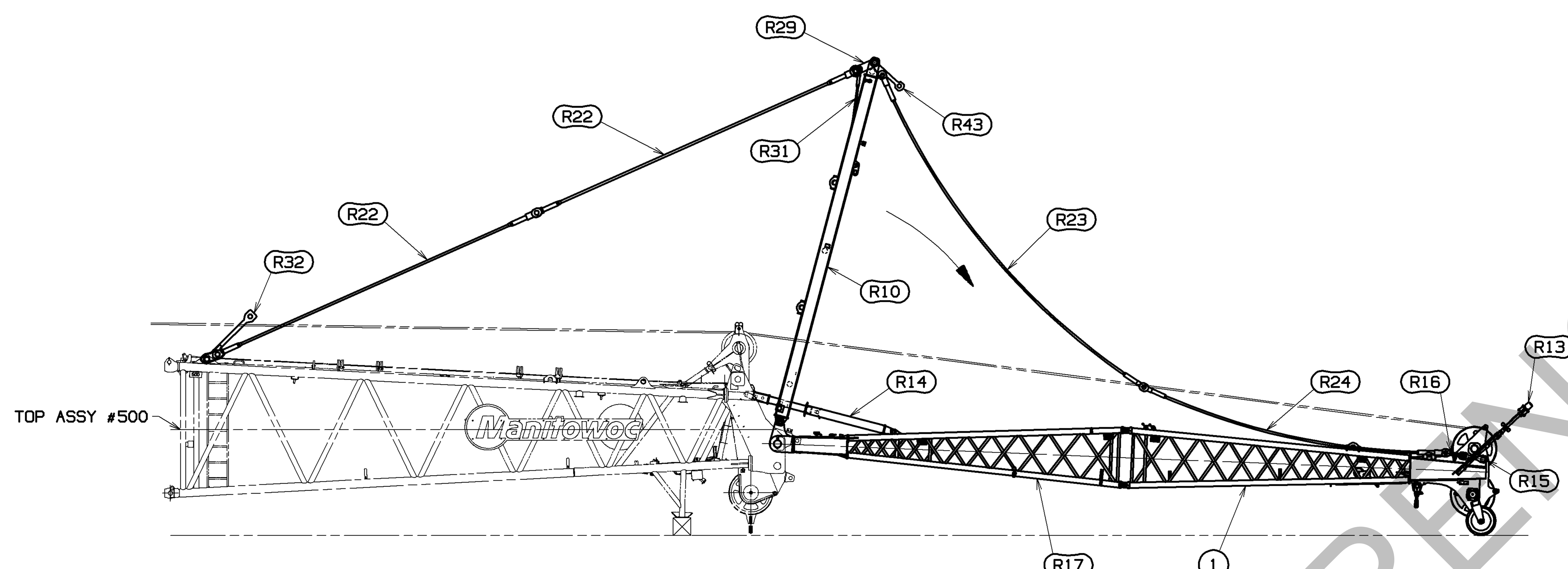
SCALE 0.200



BACKSTAY LINK 10° JIB ANGLE

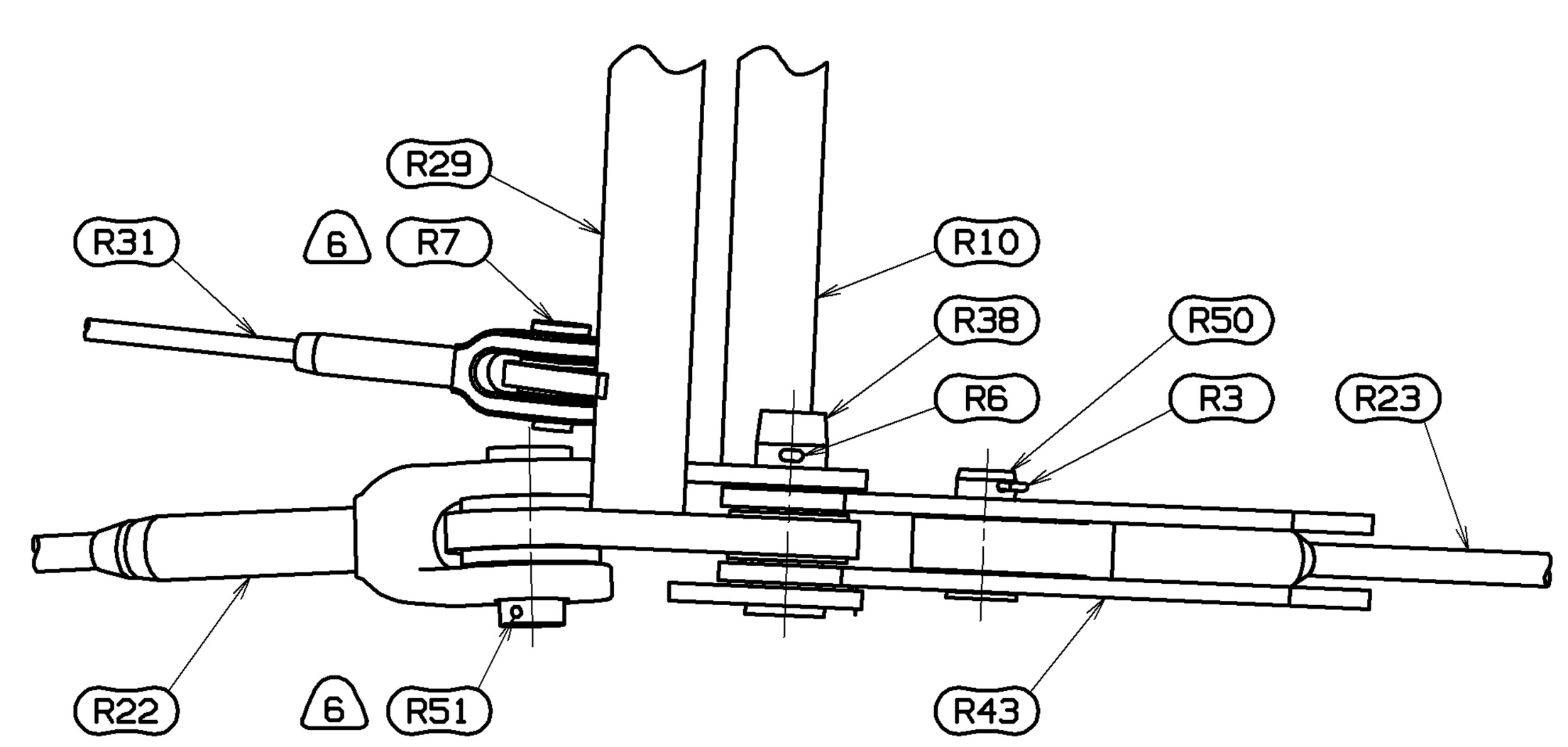
BACKSTAY LINK 20° JIB ANGLE

DETAIL M
BACKSTAY LINK CONFIGURATION
SCALE 0.100

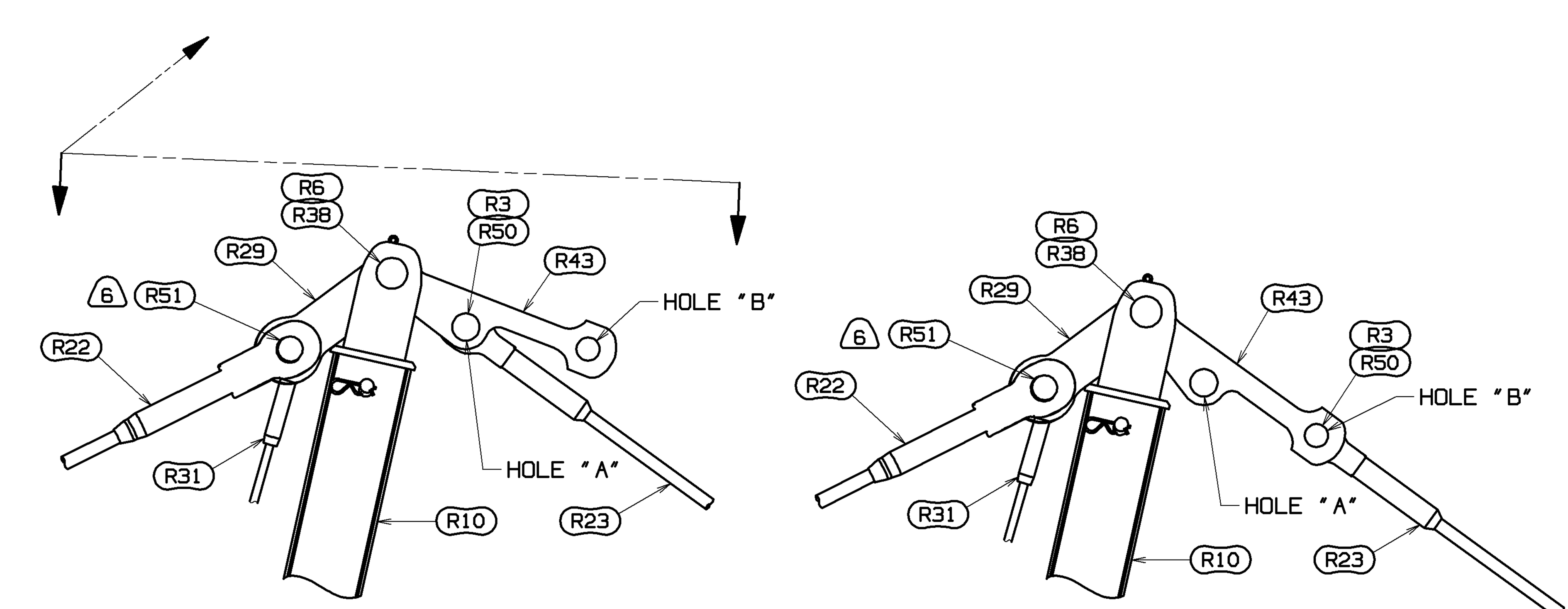


STEP 5
STRUT RAISING PENDANT REMOVAL

ALLOW STRUT (R10) TO ROTATE FORWARD UNTIL BACKSTAY PENDANTS (R22) ARE TIGHT.
DETACH STRUT RAISING LINK (R30) FROM LOAD LINE. (SEE VIEW H-H ON SHEET 3).
DETACH (1) STRUT RAISING PENDANT (R31) FROM STRUT RAISING LINK (R30) AND STOW PENDANT AND RAISING LINK TO STRUT (R10).
(SEE DETAIL S ON SHEET 5 AND SEE FIXED JIB BOTTOM ASSY SHIPPING CONFIGURATION ON SHEET 5).
REEVE LOAD LINE THROUGH BOOM TOP WIRE ROPE GUIDE TO JIB TOP. (SEE VIEW V-V ON SHEET 5).



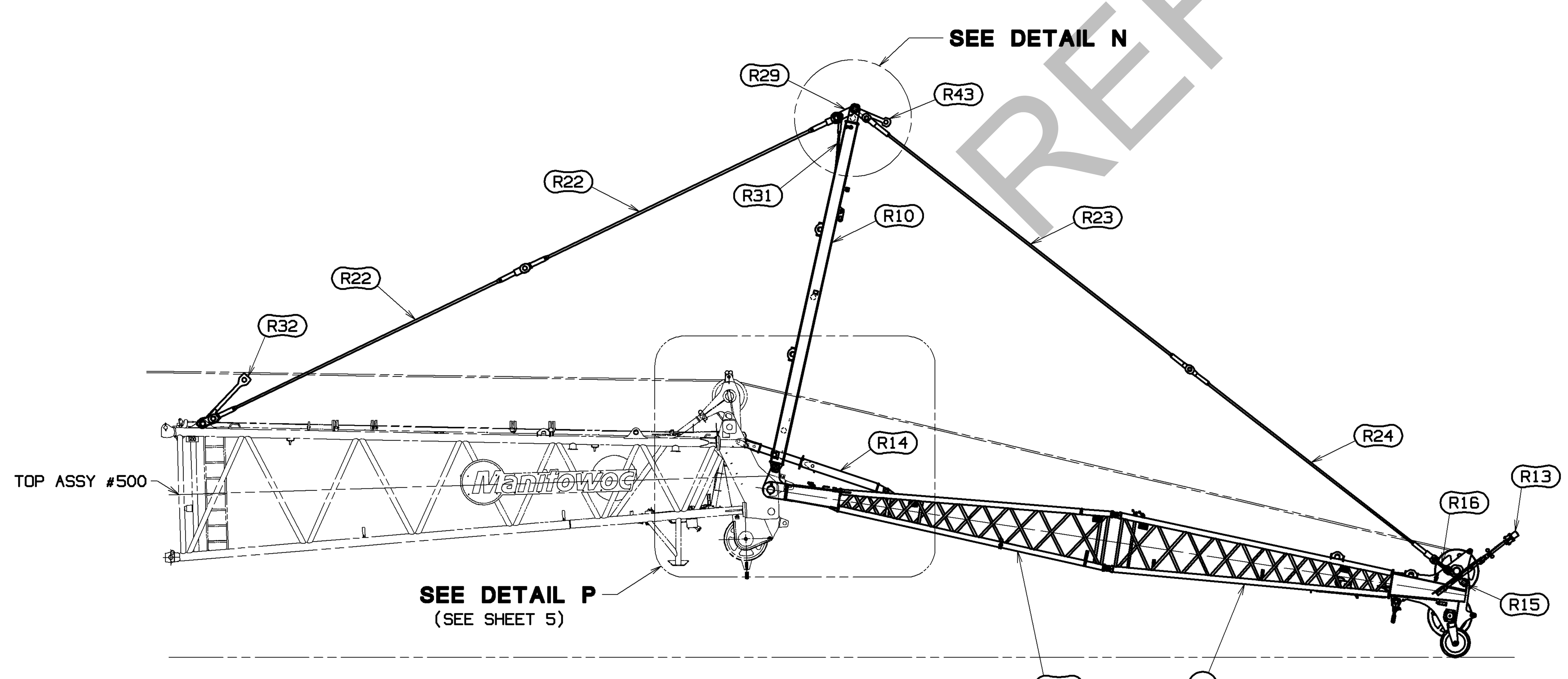
SCALE 0.150



FOR JIB LENGTHS 12M, 18M, 24M & 30M

FOR JIB LENGTHS 36M & 42M

DETAIL N
SCALE 0.100



STEP 6
BOOM RAISING

RAISE BOOM UNTIL BACKSTAY (R22) AND FRONTSTAY (R23)(R24) PENDANTS ARE TIGHT.
ENSURE SPRING LOADED STOP PINS (R35) ARE ENGAGED WITH USE OF JIB TOP HAND WINCH LINE (SEE VIEW K-K ON SHEET 3).

BILL OF MATERIAL					
ITEM NO.	DESCRIPTION	LENGTH	MATERIAL	CODE NO. OR DWG. NO.	

ASSEMBLIES USED ON

REVISIONS

DWG. NO. 84049566
SHT 4 OF 6

PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 6829103794 FOR COMPONENTS LISTED IN GDS500-05-035

DATE 01-20-17
REV. LTR. A

TOLERANCE UNLESS OTHERWISE SPECIFIED				
DECIMAL PLACES	FABRICATION ≤ 10 FEET	FABRICATION > 10 FEET	MACHINING	√= MACHINING TOLERANCE APPLIES TO THIS DIMENSION AND/OR SURFACE
(1) PLACE 0.0	±.12	±.18	±.03	
(2) PLACE 0.00	±.06	±.12	±.015	
(3) PLACE 0.000			±.005	
ANGLES	±1°30′		±0°30′	

SCALE .020
DR. RHV
CK. DLG
APP JRR

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin
MODEL MLC300

JIB RIGGING
JIB NO. 148

DWG. NO. 84049566

5

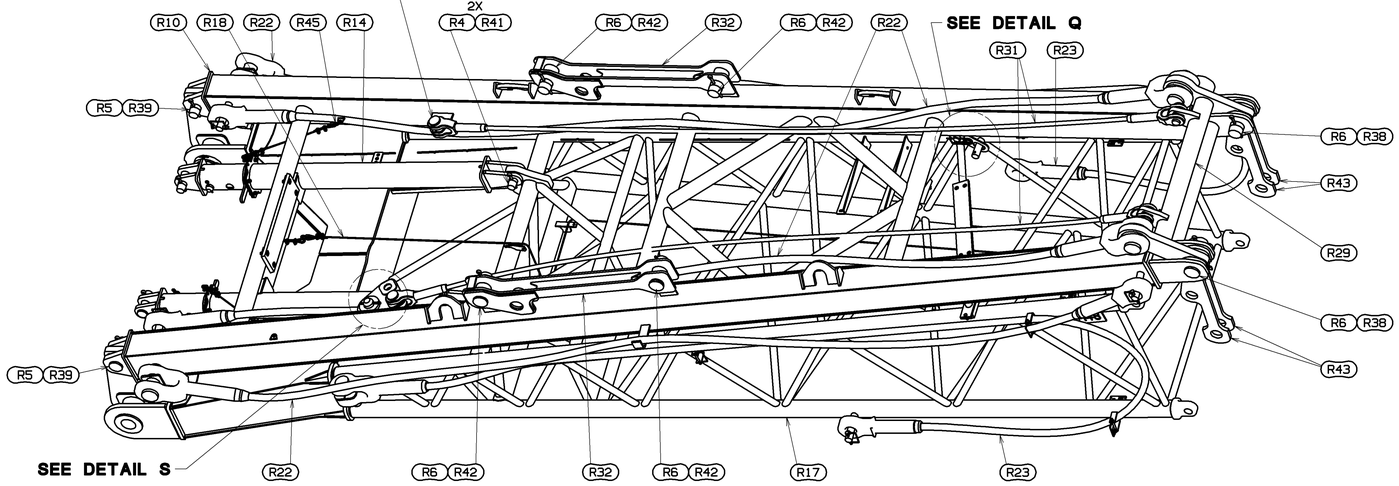
DO NOT SCALE THIS DRAWING

BILL OF MATERIAL					
ITEM NO. / PIECE NO. / REQ'D ITEM	DESCRIPTION	LENGTH IN.	MATERIAL	DWG. NO. OR STAND. NO.	

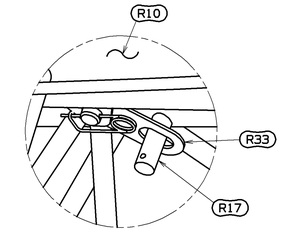
ASSEMBLIES USED ON

REVISIONS

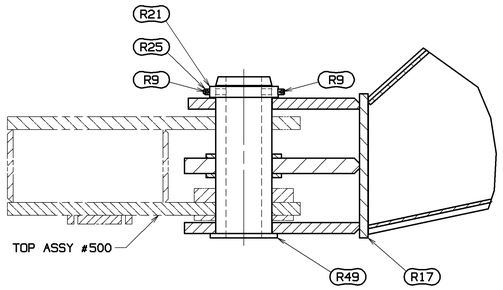
PER STEP 3 ON SHEET 3 - DETACH PENDANT (R31) FROM STRUT (R10) AND REATTACH TO RAISING LINK (R30). (SEE DETAIL S).
PER STEP 5 ON SHEET 4 - DETACH PENDANT (R31) FROM RAISING LINK (R30) AND REATTACH TO STRUT (R10) LUGS.



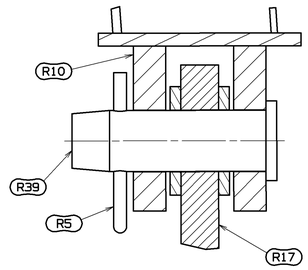
FIXED JIB BOTTOM ASSEMBLY SHIPPING CONFIGURATION
ITEM 2
SCALE 0.085



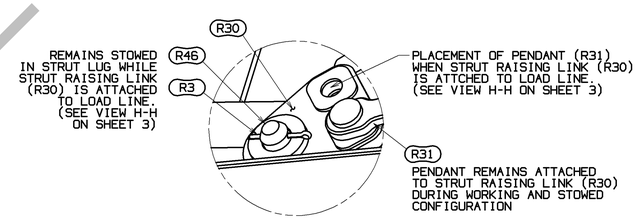
DETAIL Q
LINK HOLDING STRUT (R10) TO JIB BUTT (R17)
SCALE 0.250



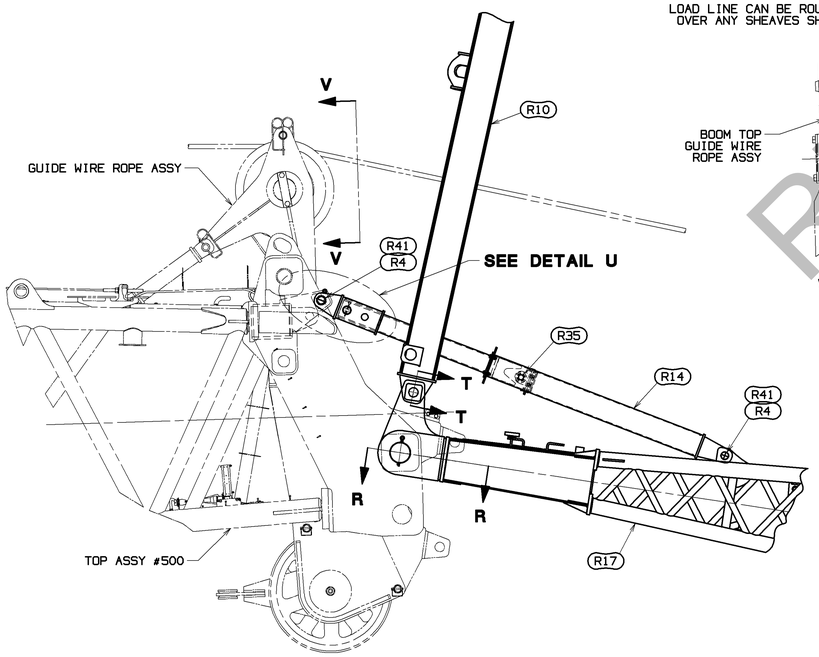
SECTION R-R
SCALE 0.200



SECTION T-T
SCALE 0.500

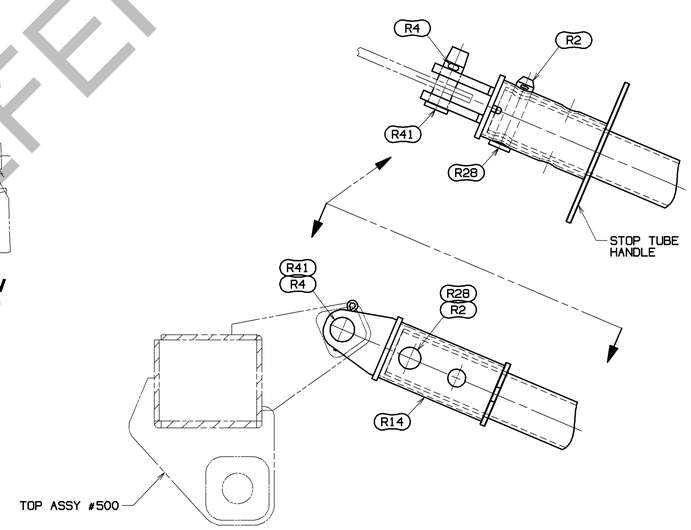


DETAIL S
SCALE 0.250

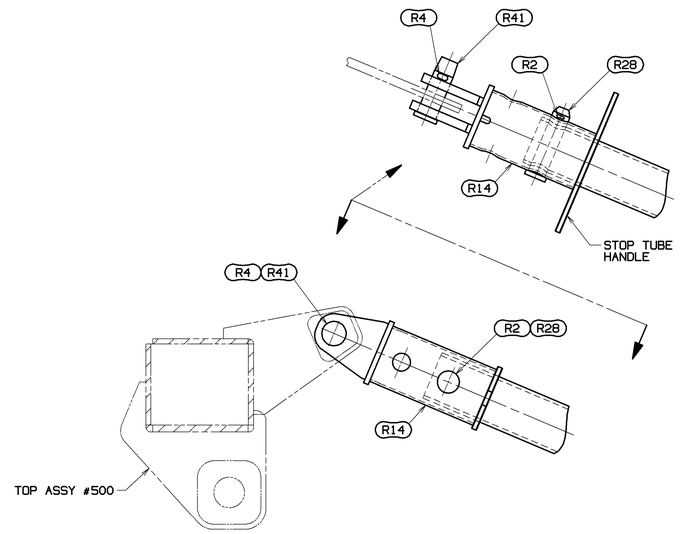


DETAIL P
(FROM SHEET 4)
SCALE 0.075

VIEW V-V
SCALE 0.100



STOP ASSY 10° JIB ANGLE



STOP ASSY 20° JIB ANGLE

DETAIL U
STOP TUBE CONFIGURATION
SCALE 0.200

PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 6829102794 FOR COMPONENTS LISTED IN GES500-05-035

DATE 01-20-17
REV. LTR. A

DWG. NO. 84049566
SHT 5 OF 6

TOLERANCE UNLESS OTHERWISE SPECIFIED

DECIMAL PLACES	FABRICATION ≤ 10 FEET	FABRICATION > 10 FEET	MACHINING	
(1) PLACE 0.0	±.12	±.18	±.03	MACHINING TOLERANCE APPLIES TO NOTE DIMENSION ONLY
(2) PLACE 0.00	±.06	±.12	±.015	
(3) PLACE 0.000			±.005	
ANGLES	±1°30'		±0°30'	

SCALE NOTED
DR. RHV
CK. DLG
APP JRR

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin

JIB RIGGING
JIB NO. 148
MODEL MLC300

DWG. NO. 84049566

DO NOT SCALE THIS DRAWING

5

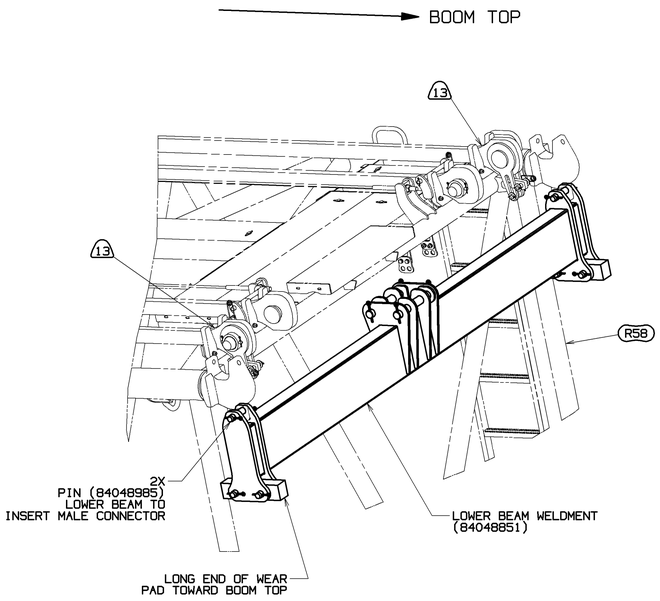
SHT 5 OF 6

BILL OF MATERIAL

ITEM NO. / REC. NO. / PIECE MARK	DESCRIPTION	LENGTH IN.	MATERIAL	DWG. NO. OR STD. NO.

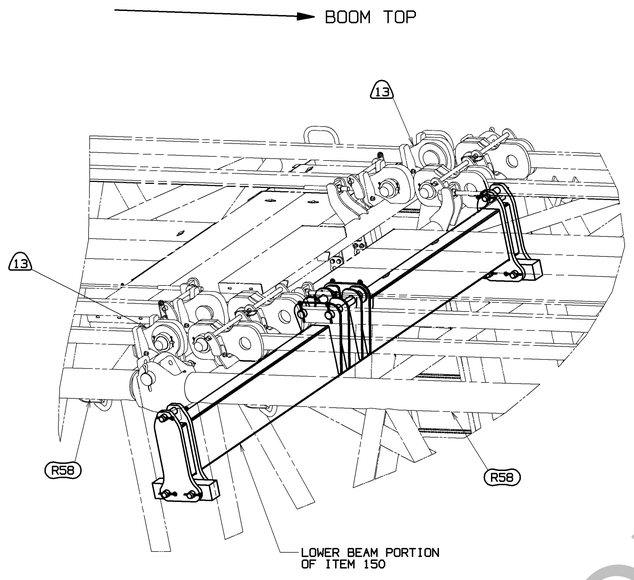
ASSEMBLIES USED ON

REVISIONS



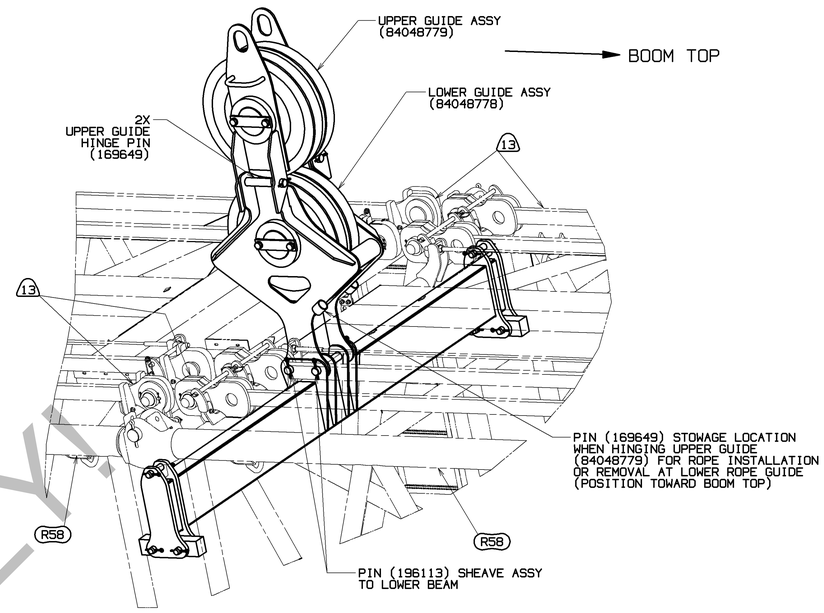
STEP 1 - LOWER BEAM TO INSERT ASSY

INSTALL LOWER BEAM PORTION OF ITEM 150 TO MALE CONNECTOR FIXTURE HOLES ON #500 12M INSERT (R58) WITH LOWER BEAM PINS (84048985). (POSITION LONG END OF WEAR PADS TOWARD BOOM TOP).



STEP 2 - #500 BOOM INSERT (R58) INSTALLATION

ASSEMBLE #500 12M INSERT (R58) TO #500 12M INSERT (R58) PER TYPICAL INSERT INSTALLATION. INSTALL LOWER BOOM CONNECTOR PINS. (SEE DETAIL H ON SHEET 6 OF DWG 81023382).



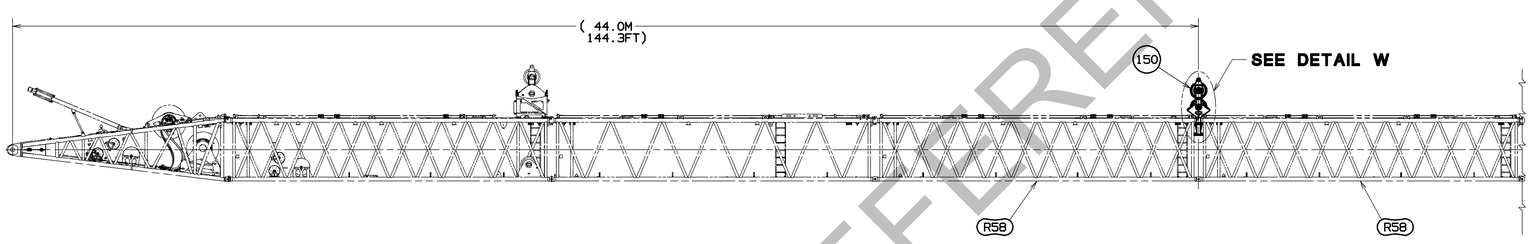
STEP 3 - UPPER AND LOWER GUIDE ASSEMBLY INSTALLATION

INSTALL UPPER (84048779) AND LOWER (84048778) SHEAVE ASSEMBLY TO LOWER BEAM (84048851) AND ATTACH WITH PINS (196113). (POSITION LOWER GUIDE ASSY WITH PIN STOWAGE HOLDERS TOWARD BOOM TOP).

DETAIL W

ENCAPSULATING SHEAVE (ITEM 150) INSTALLATION

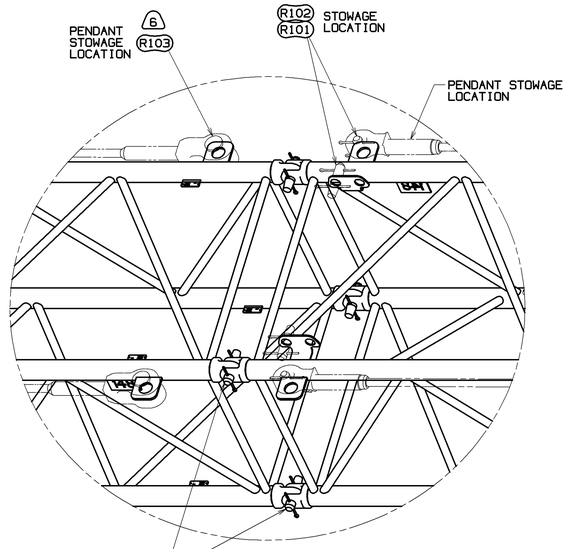
SCALE 0.100



ENCAPSULATING SHEAVE (ITEM 150) #500 BOOM MAKEUP B60:500 (81023382)
78M THRU 108M CONFIGURATION

SCALE 0.013

ITEMS REQ'D FOR VARIOUS BOOM LENGTHS (10)(13)		
ITEM NO.		150
BOOM LENGTH		GUIDE ASSY
METERS	FEET	
42	137.8	—
48	157.5	—
54	177.2	—
60	196.9	—
66	216.5	—
72	236.2	—
78	255.9	1
84	275.6	1
90	295.3	1
96	315.0	1
102	334.6	1
108	354.3	1



DETAIL X

(FROM SHEET 2)

SCALE 0.125

TOLERANCE UNLESS OTHERWISE SPECIFIED

DECIMAL PLACES	FABRICATION ≤ 10 FEET	FABRICATION > 10 FEET	MACHINING	MACHINING TOLERANCE FOR SURFACE FINISH
(1) PLACE 0.0	±.12	±.18	±.03	125
(2) PLACE 0.00	±.06	±.12	±.015	63
(3) PLACE 0.000			±.005	32
ANGLES	±1°30'		±0°30'	

SCALE NOTED

DR. RHV

CK. DLG

APP JRR

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin

MODEL MLC300

JIB RIGGING

JIB NO. 148

DWG. NO. 84049566

SHT 6 OF 6

PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 6829103794 FOR COMPONENTS LISTED IN GDS500-05-035

DATE 01-20-17

REV. LTR. A

DWG. NO. 84049566

DO NOT SCALE THIS DRAWING

(5)

SHT 6 OF 6