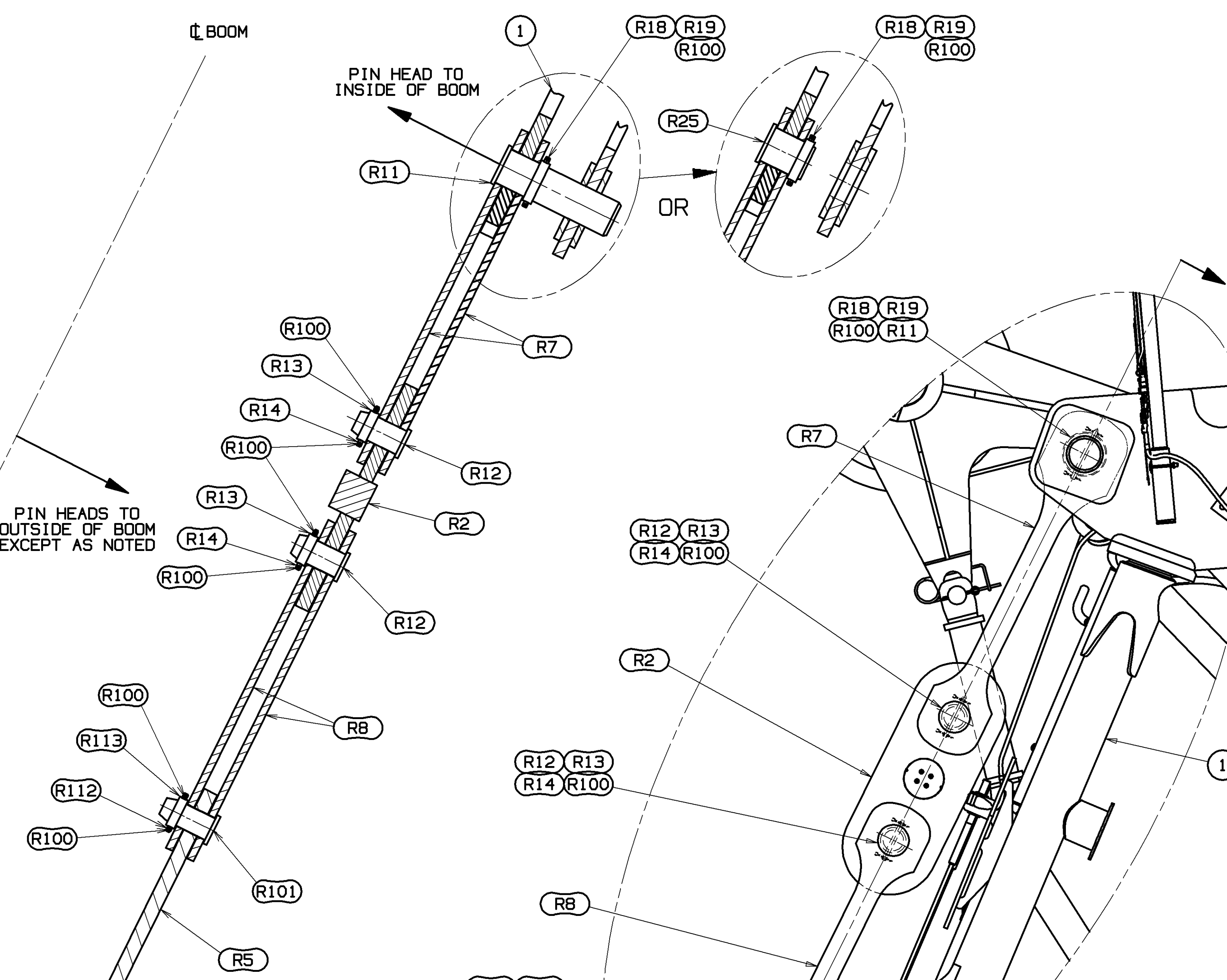
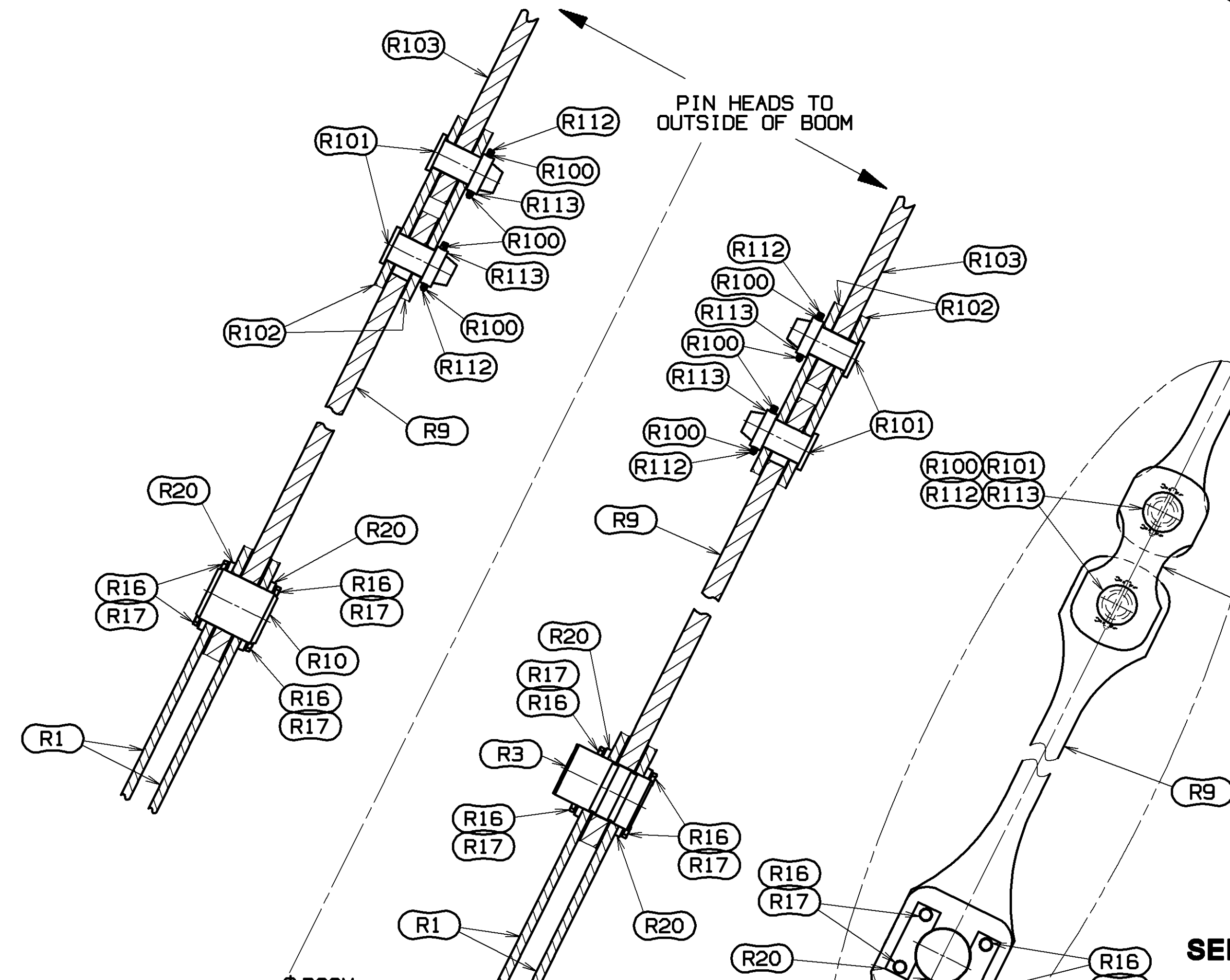


TABLE FOR OPTIONAL I.D. TAG NO. PER SPECIFIC SERIAL NUMBERS		
STANDARD I.D. TAG#	OPTIONAL I.D. TAG# PER S/N	SERIAL NUMBERS
81027804	81027805	689535- 799165 1791626-1802759
81027809	81027810	663556- 796718 1780713-1782931
81027812	81027813	757034- 806114 1757058-1757085
81027815	81027816	731934- 799166 1692815-1781150
81027818	81027819	699764- 799167 1777200-1780235
81027821	81027822	668416- 797214 1776722-1778448

BILL OF MATERIAL			ASSEMBLY
QTY	DESCRIPTION	UNIT	NO.
BOOM RIGGING B10:500			
1	TOP ASSY #500, 10.0 M		81027719
2	INSERT ASSY 12M H #500		81027803
3	BUTT ASSY #500 8.00 M		81028036
4			
5			
6			
NO. REQ'D FOR THE FOLLOWING ITEMS ARE IN THE BOOM LENGTH TABLE			
100	INSERT ASSY #500, 12.00M MEDIUM		81027808
101	INSERT ASSY 12M EQ M #500		81027811
102			
103	INSERT ASSY 12M L #500		81027814
104	INSERT ASSY #500, 12.00M W/SUSPENSION		81027817
105			
106	INSERT ASSY 6M #500		81027820
107			
108			
OPTION 1: HOOK BLOCKS			
200	BLOCK 350 US TON 32MM 9 SHEAVES		A08833
201	BLOCK HOOK 250MT 28MM WR 7 SHEAVES		81031978
202	BLOCK HOOK 170MT 28MM WR 5 SHEAVES		81031981
203	BLOCK HOOK 100MT 28MM WR 3 SHEAVES		81031987
204	WEIGHT BALL SWIVEL 22.2MT, 28MM & 32MM WR		81033344
205	BLOCK HOOK 45 TON/41 MTON 1.12 DIA WR 1 SHEAVE		236503
206			
OPTION 2: UPPER BOOM POINT			
300	UPPER POINT ASSY FRAME		81029769
301			
BASIC REFERENCE ITEMS			
R1	4 STRAP ASSY LIVE MAST 1.0M		81042537
R2	LOAD CELL LINK 145,150 KGS		84038493
R3	LOAD PIN 120MM D X 145,150KG		84038494
R4			
R5	2 STRAP 7.69M #500		81027399
R6			
R7	4 LINK #500 BOOM		81028035
R8	4 LINK #500 BOOM		81028043
R9	2 STRAP 3.400M LG, 40MM THK		81028829
R10	1 PIN 120.0 DIA X 86.2 LG		81029568
R11	2 PIN WITH HEAD 100.0 DIA X 336.7 LG		84020672
R12	4 PIN 1 HOLE W/HD 69.5 DIA X 94.3 LG		81029688
R13	4 COLLAR 70.50MM I.D.		81029689
R14	4 PIN 2 HOLE 12.7 DIA X 98.0 LG		81029708
R15	2 PENDANT 1.12 DIA X 5 FT-10.0 INCH LG		81029858
R16	16 HHCS 16 X 30 10.9, FULL THREAD		7127241353
R17	16 WASHER 16 ST DIN 127B		7951240220
R18	2 COLLAR 101MM I.D.		A12945
R19	2 PIN 2 HOLE 12.7 DIA X 128.0 LG		A12946
R20	8 PLATE KEEPER 12 MM		A19734
R21			
R22	1 POINT #500, LOWER ASSY		81027736
R23	1 SHEAVE ASSY #500 LWR PT DE		81034794
R24	1 SHEAVE ASSY #500 LOWER PNT		81034795
R25	2 PIN 1 HOLE W/HD 100.0 DIA X 94.3 LG		81029670
R26			
NO. REQ'D FOR THE FOLLOWING REFERENCE ITEMS ARE IN THE BOOM LENGTH TABLE (SHEET 2)			
R100	PIN COTTER 3/16 DIA X 1.50 LG		562085
R101	PIN 1 HOLE W/HD 65.0 DIA X 94.3 LG		81024951
R102	LINK #500 BOOM		81024955
R103	STRAP 11.78M #500		81027401
R104	STRAP 5.78M #500		81029621
R105	STRAP .68M #500		81032002
R106	STRAP 10.22M #500		81032003
R107	LINK #500 SUSPENSION		81032170
R108	LINK #500 BOOM		81032298
R109	STRAP 8.07M #500		81036552
R110	STRAP 1.69M #500		81036553
R111	LINK #500 BOOM		81036554
R112	PIN 2 HOLES 12.7 DIA X 93.0 LG		A11799
R113	COLLAR 66MM I.D.		A11800
R114	PIN 1 HOLE W/HD 75.80 DIA X 160.4 LG		A13294
R115	PIN SAFETY .243 OD X 5.00		563640
R116	PIN 2 HOLE 75.80 X 171.9 LG		84026091
REFERENCE ITEMS FOR ASSEMBLY AND RIGGING PURPOSE ONLY			
R200			
R201			
R202			
R203	1 LINK SELF ERECT		8404181214
R204	4 SLING 13.0 (FT) 40000 (LBS)		8402665515
R205	2 SHACKLE 25MT		62475915
R206			
R207	3 SLING LIFTING 1 LBS X 40000(LBS) X 9.0(FT)		8103842315
R208	1 SHACKLE 20.5T SLING		8104116315
R209	1 CYL HYD 139.7 BORE 44.45 ROD		8404181114
R210			
REFERENCE OPTION 3: SINGLE REEVING			
R300	1 LINK ASSY DEAD END		8104235616
REFERENCE OPTION 4: TANDEM REEVING			
R400	1 LINK ASSY DEAD END		8104235616
R401	1 PENDANT ASSY DEAD END		8402832722



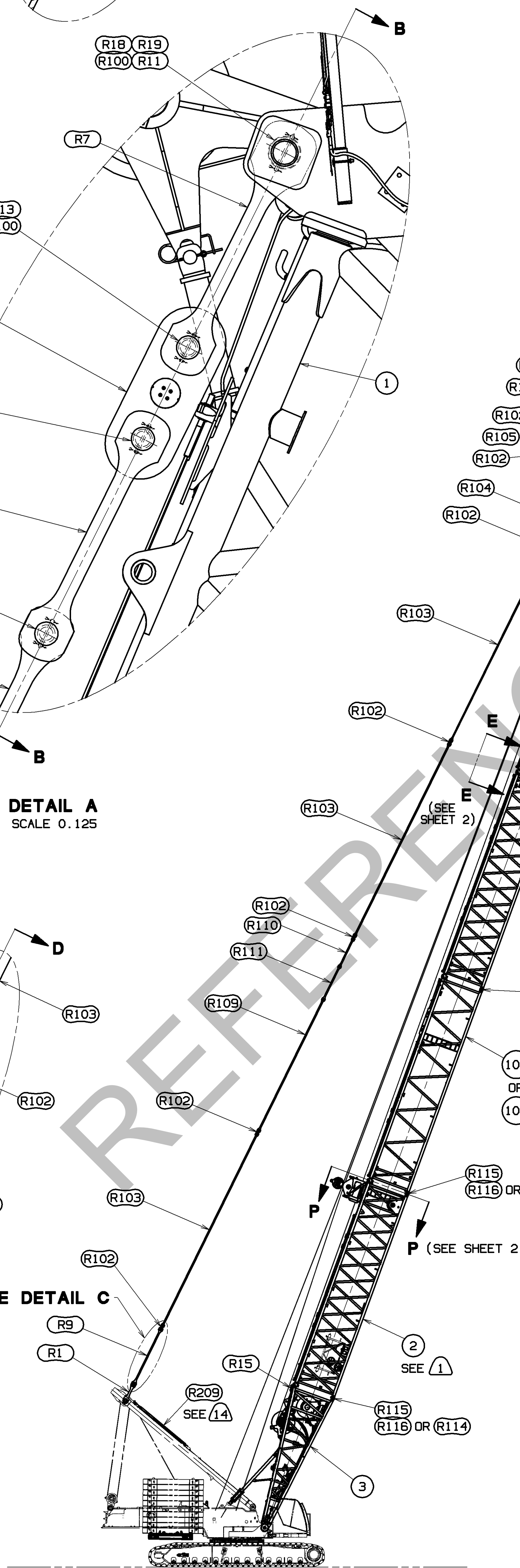
SECTION B-B
SCALE 0.125



SECTION D-D
SCALE 0.125

DETAIL A
SCALE 0.125

DETAIL C
SCALE 0.125



84.0 M (275.6 FT)
#500 BOOM SHOWN

SEE DETAIL A

SEE DETAIL C

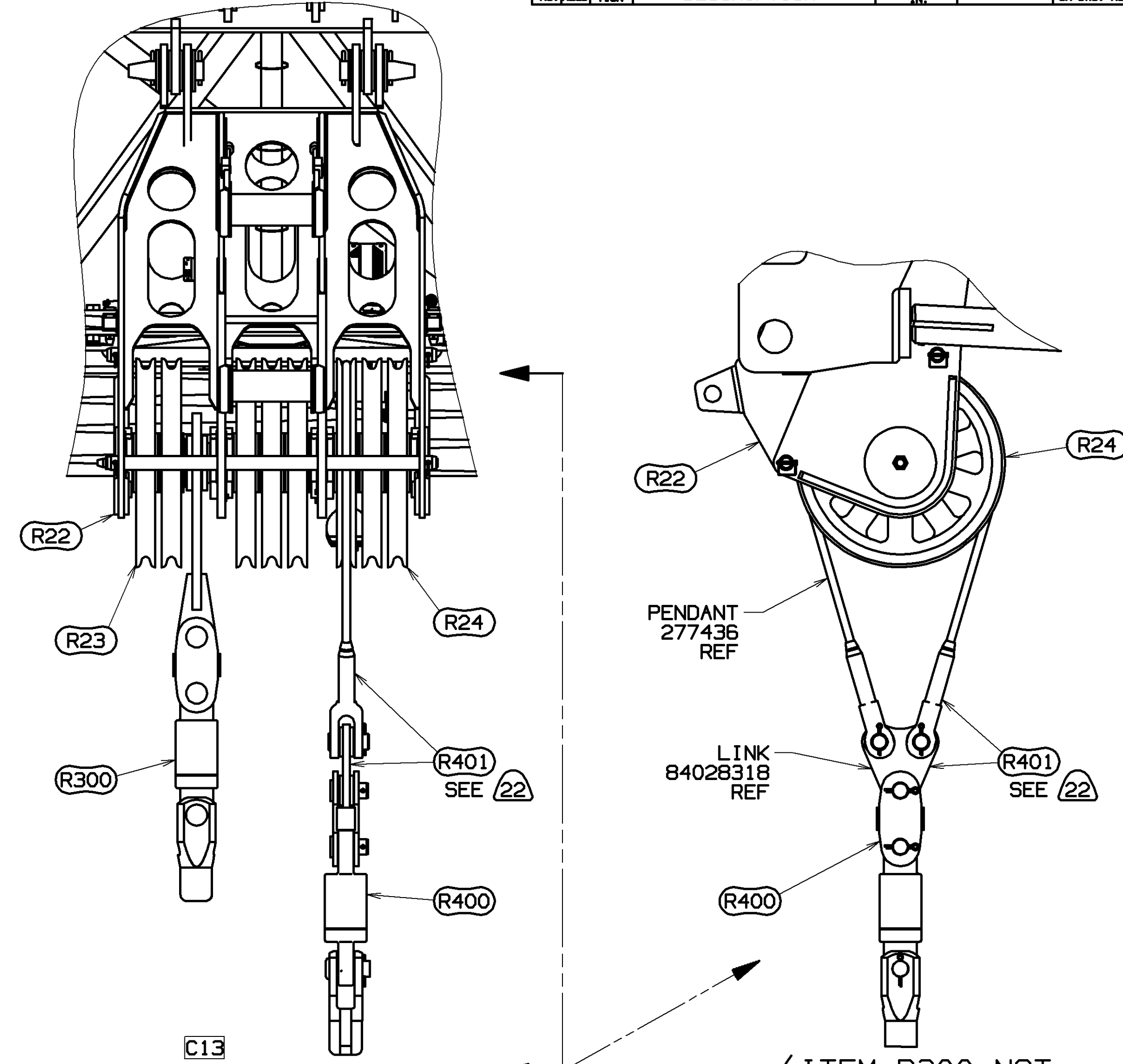
- 1 WIRE ROPE GUIDE PARTS IN THIS INSERT ARE REQUIRED FOR USE OF AUXILIARY DRUMS #2, #3 AND #6. WHEN DRUMS #2, #3 AND #6 ARE NOT USED OR ARE NOT PRESENT ROPE GUIDE MAY REMAIN IN SHIPPING POSITION DURING OPERATION.
- 2 TOP 10.0M I.D. TAG #81027720
- 3 INSERT 12.00M HEAVY W/SHEAVES I.D. TAG #81027804. SEE OPTIONAL I.D. TAG TABLE.
- 4 BUTT 8.0M I.D. TAG #81028037
- 5 INSERT 12.00M MEDIUM I.D. TAG #81027809. SEE OPTIONAL I.D. TAG TABLE.
- 6 INSERT 12.00M MEDIUM W/EQUALIZER I.D. TAG #81027812. SEE OPTIONAL I.D. TAG TABLE.
- 7 INSERT 12.00M LIGHT I.D. TAG #81027815. SEE OPTIONAL I.D. TAG TABLE.
- 8 INSERT 12.00M LIGHT W/SUSPENSION I.D. TAG #81027818. SEE OPTIONAL I.D. TAG TABLE.
- 9 INSERT 6.00M MEDIUM I.D. TAG #81027821. SEE OPTIONAL I.D. TAG TABLE.
- 10 REFER TO CAPACITY CHART IF JIB BACKSTAY STRAPS, LINKS AND RETAINING HARDWARE REMAIN ON BOOM ASSY. (SEE VIEW E-E)
- 11 REFER TO BOOM LENGTH TABLE (SHEET 2) FOR SUSPENDER PENDANT BUTTON NUMBER. SEE SHEET 6 FOR OPERATIONAL INSTRUCTIONS.
- 12 UPPER POINT ASSY I.D. TAG #81029770. MAY BE EQUIPPED WITH ROLL ASSY 81036285 (CALLED FOR ON UPPER POINT ASSY FRAME ITEM 300 AS OPTION 7).
- 13 FOR BOOM STRAP COMPONENTS ON OPTIONAL INSERT REFER TO BOOM LENGTH TABLE ON SHEET 2.

MAST HANDLING CAPACITIES	SERIAL NUMBERS
9340-A	604716-605836, 605953 & 606114
9340-B	605952, 606648 AND GREATER

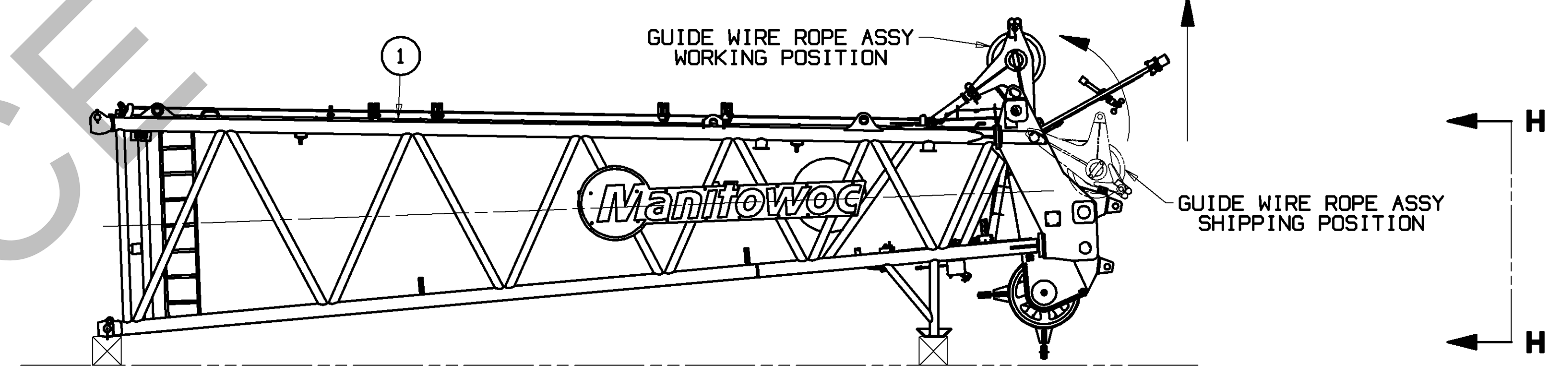
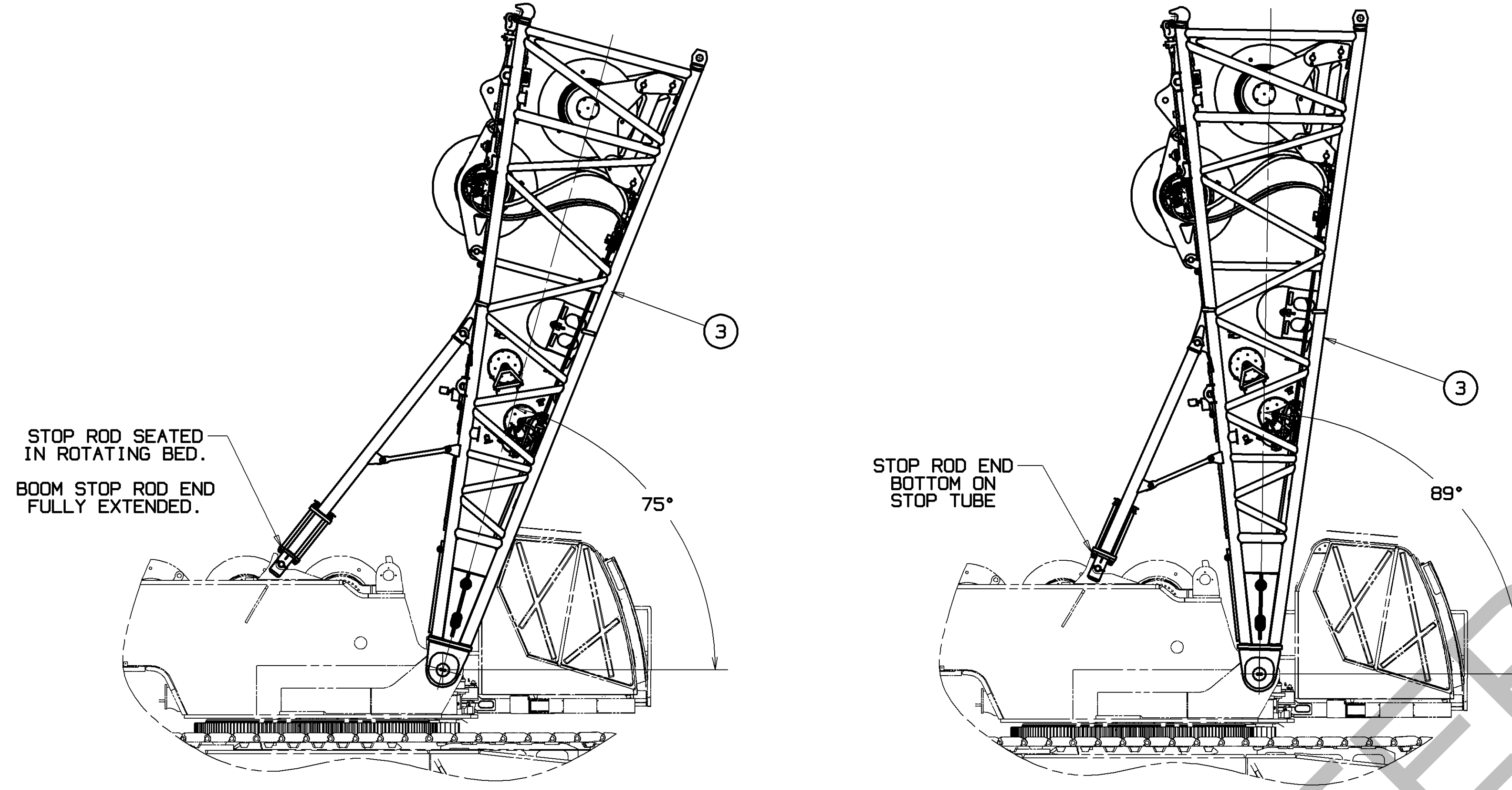
- 15 FOR ASSEMBLY AND RIGGING PURPOSE ONLY. STOWS IN PARTS BOX 81028769 AS SELF RIGGING KIT 81038439.
- 16 STOWS IN PARTS BOX 81028769.
- 17 SEE BLOCK REEVING DRAWING 81038141 FOR 1 DRUM RIGGING CONFIGURATION OPTIONS AND INSTRUCTIONS. SEE RIGGING WINCH ASSY 81024072 FOR BLOCK AND WIRE ROPE ASSEMBLY.
- 18 SEE BLOCK REEVING DRAWING 81038142 FOR 2 DRUM RIGGING CONFIGURATION OPTIONS AND INSTRUCTIONS. SEE RIGGING WINCH ASSY 81024072 FOR BLOCK AND WIRE ROPE ASSEMBLY.
- 19 CALLED FOR ON TOP ASSY ITEM 1 AS OPTION 1 EQUIPPED.
- 20 CALLED FOR ON TOP ASSY ITEM 1 AS OPTION 2 EQUIPPED. FOR SHEAVE CONFIGURATION REFER TO VIEW H-H ON SHEET 2.
- 21 CALLED FOR ON TOP ASSY ITEM 1 AS OPTION 3 EQUIPPED. FOR SHEAVE CONFIGURATION REFER TO VIEW H-H ON SHEET 2.
- 22 ITEM R401 (84028327) CONSISTS OF LINK 84028318 AND PENDANT 277436 UTILIZED FOR TANDEM DRUM REEVING. (SEE REEVING DRAWING 81038142). LINK 84028318 STOWS IN PARTS BOX 81028769 AS OPTION 7. PENDANT 277436 STOWS ON #500 BOOM BUTT ASSY ITEM 3 (81028036).
- 23 SUSPENSION PENDANT MAY APPEAR SLACK DURING RAISING AND OPERATION. CHECK SUSPENSION LOCATION AND PENDANT BUTTON NUMBER AND CONTINUE OPERATION.

ITEMS REQ'D FOR VARIOUS BOOM LENGTHS - SEE SHEET 3 & 4 FOR BOOM MAKE-UP

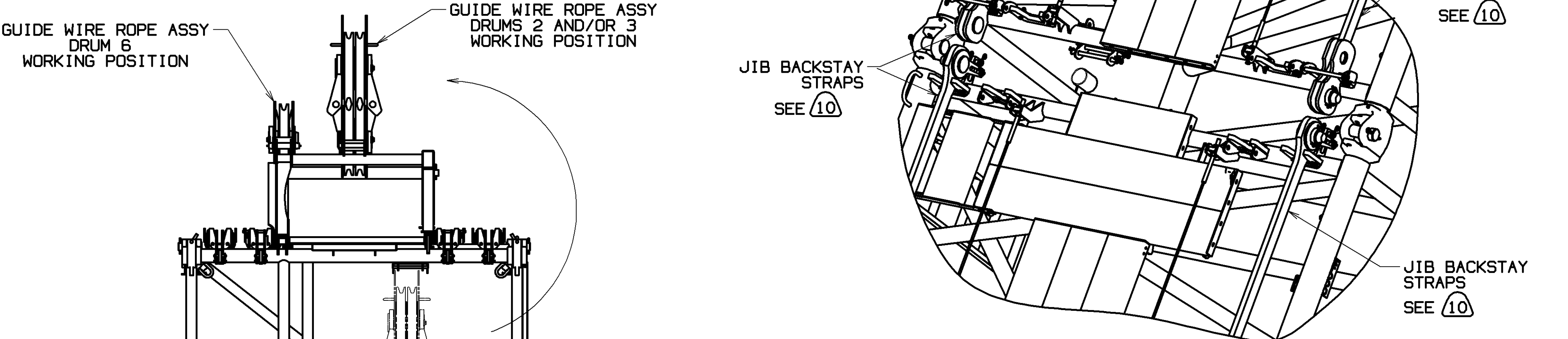
ITEM NO.		MEDIUM			LIGHT		STRAP						LINK				PIN		COTTER	COLLAR	SUSPENSION	LOWER CONN PIN	SAFETY PIN	
		100	101	106	103	104	R103	R104	R105	R106	R109	R110	R102	R107	R108	R111	R101	R112	R100	R113		R114 OR R116	R115	
BOOM LENGTH		INSERT 12M (39.4FT) ASSY	INSERT 12M (39.4FT) EQ ASSY	INSERT 6M (19.7FT) ASSY	INSERT 12M (39.4FT) ASSY	INSERT 12M (39.4FT) SUSP ASSY	STRAP 12M (39.4FT)	STRAP 6M (19.7FT)	STRAP SHORT W/SUSP	STRAP LONG W/SUSP	STRAP LONG W/SUSP	STRAP SHORT W/SUSP	LINK	LINK CONNECT W/SUSP	LINK W/SUSP	LINK W/EQUAL	PIN	PIN	COTTER	COLLAR	PENDANT BUTTON NUMBER SEE (11)	PIN	USED W/R116	USED W/R114
30	98.4	0	0	0	0	0	2	0	0	0	0	0	8	0	0	0	10	10	32	10	-	4	8	4
36	118.1	0	0	1	0	0	2	2	0	0	0	0	12	0	0	0	14	14	40	14	-	6	12	6
42	137.8	OR 0 1	1 0	0	0	0	2 4	0	0	0	2 0	2 0	12	0	0	4 0	18 14	18 40	48 14	18 14	-	6	12	6
48	157.5	OR 0 1	1 0	1	0	0	2 4	2	0	0	2 0	2 0	16	0	0	4 0	22 18	22 48	56 18	22 18	-	8	16	8
54	177.2	OR 1 2	1 0	0	0	0	4 6	0	0	0	2 0	2 0	16	0	0	4 0	22 18	22 48	56 18	22 18	-	8	16	8
60	196.9	OR 1 2	1 0	1	0	0	4 6	2	0	0	2 0	2 0	20	0	0	4 0	26 22	26 56	64 22	26 22	-	10	20	10
66	216.5	OR 2 3	1 0	0	0	0	6 8	0	0	0	2 0	2 0	20	0	0	4 0	26 22	26 56	64 22	26 22	-	10	20	10
72	236.2	OR 2 3	1 0	1	0	0	6 8	2	0	0	2 0	2 0	24	0	0	4 0	30 26	30 64	72 26	30 26	-	12	24	12
78	255.9	OR 2 3	1 0	0	0	1	6 8	0	2	2	2 0	2 0	28	2	4	4 0	38 34	38 80	88 34	38 34	1	12	24	12
84	275.6	OR 2 3	1 0	1	0	1	6 8	2	2	2	2 0	2 0	32	2	4	4 0	42 38	42 88	96 38	42 38	1	14	28	14
90	295.3	OR 2 3	1 0	0	1	1	8 10	0	2	2	2 0	2 0	32	2	4	4 0	42 38	42 88	96 38	42 38	1	14	28	14
96	315.0	OR 2 3	1 0	1	1	1	8 10	2	2	2	2 0	2 0	36	2	4	4 0	46 42	46 96	104 96	46 42	1	16	32	16
102	334.6	OR 2 3	1 0	0	2	1	10 12	0	2	2	2 0	2 0	36	2	4	4 0	46 42	46 96	104 96	46 42	2	16	32	16



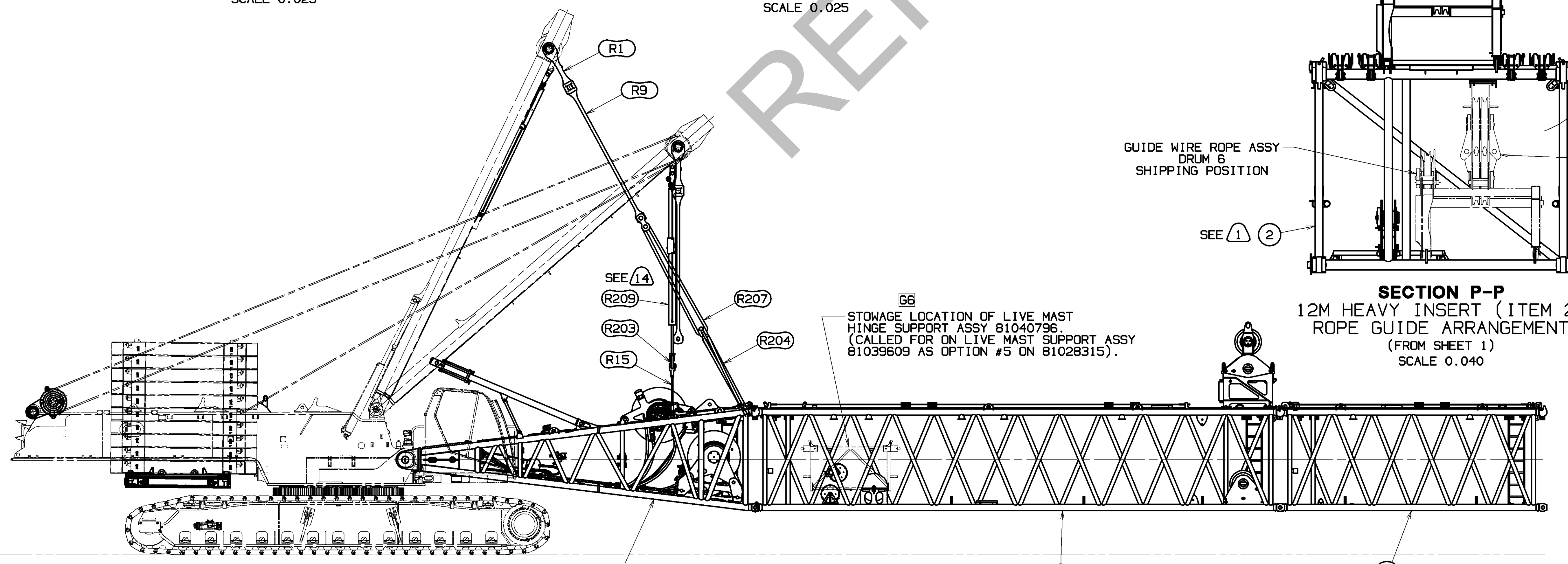
VIEW H-H
SHEAVE CONFIGURATION
NOTE:
LOCATION OF SHEAVE ASSY'S ITEMS R23 & R24 MAY VARY BASED ON REEVING.
REFER TO REEVING DIAGRAM AND OPERATOR'S MANUAL FOR GUIDANCE
SCALE 0.075



BOOM TOP WIRE ROPE GUIDE ARRANGEMENT
SCALE 0.025



VIEW E-E
BOOM ASSY WITH JIB BACKSTAY STRAPS STOWED
(FROM SHEET 1)
SCALE 0.065



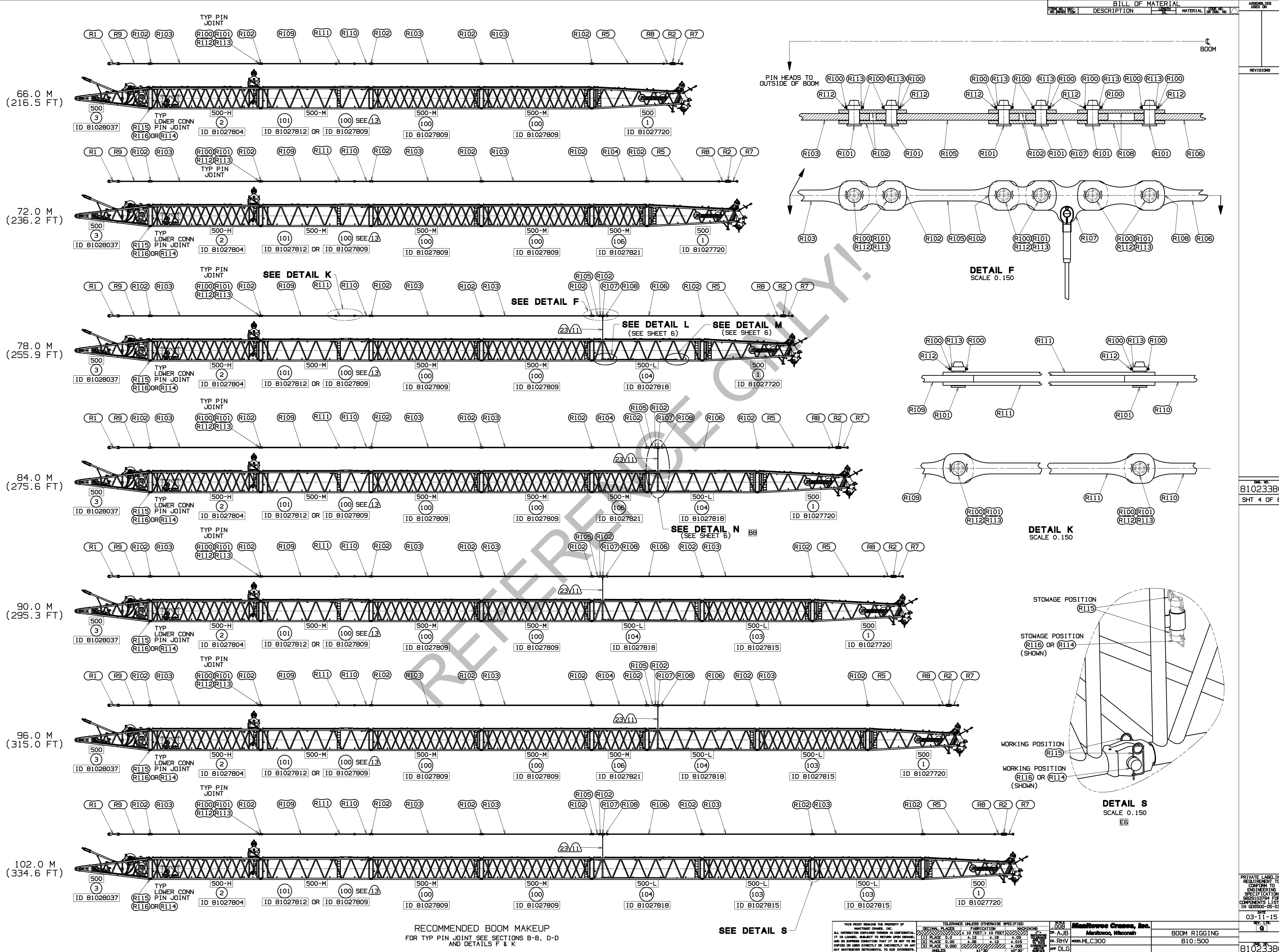
SECTION P-P
12M HEAVY INSERT (ITEM 2)
ROPE GUIDE ARRANGEMENT
(FROM SHEET 1)
SCALE 0.040

BOOM HANDLING WITH MAST MAXIMUM THAT CAN BE CANTILEVERED IS AS FOLLOWS				
LENGTH	WITH LIVE MAST CYLINDER ON MAST ATTACHED TO BOOM CLOSING PENDANTS ON BOOM BUTT		WITH LIVE MAST STRAPS/LIFTING SLINGS ATTACHED TO BOOM BUTT TOP CHORDS	
	6 M (19.7 FT) INSERT B8 81027820	12 M (39.4 FT) INSERT 81027803	6 M (19.7 FT) INSERT 81027820	12 M (39.4 FT) INSERT 81027803
6 M (19.7 FT)	1	0	1	0
12 M (39.4 FT)	0	1	0	1
18 M (59.1 FT)	-	-	1	1

BOOM HANDLING WITH MAST
(SEE STEPS 3 AND 3A ON SHEET 5 FOR MAST TO BUTT ATTACHMENT)

TOLERANCE UNLESS OTHERWISE SPECIFIED		MATERIAL		MANUFACTURING	
DECIMAL PLACES	FRACTIONS	DR. AUB	DR. RHY	DR. RHY	DR. RHY
(1) PLACE 0.0	1/16	1/16	1/16	1/16	1/16
(2) PLACE 0.00	1/32	1/32	1/32	1/32	1/32
(3) PLACE 0.000	1/64	1/64	1/64	1/64	1/64

PRIVATE LABELING
REQUIREMENT TO
CONFORM TO
SPECIFICATION
8829103794 FOR
COMPONENTS LISTED
IN 882900-06-026
DATE
03-11-15
REV. LVL.
6
81023380
SHT 2 OF 5



BILL OF MATERIAL				ASSEMBLIES USED IN
QTY	UNIT	DESCRIPTION	MATERIAL	QTY

REVISIONS

81023380
SHT 4 OF 6

PRIVATE LABELING
REQUIREMENT TO
CONFORM TO
ENGINEERING
SPECIFICATION
8629103794 FOR
COMPONENTS LISTED
IN 862900-06-006
DATE
03-11-15
REV. LVL.
6
81023380
SHT 4 OF 6

RECOMMENDED BOOM MAKEUP
FOR TYP PIN JOINT SEE SECTIONS B-B, D-D
AND DETAILS F & K

SEE DETAIL S

TOLERANCE UNLESS OTHERWISE SPECIFIED				DATE	BY	CHK	APP	81023380
DECIMAL PLACES	FRACTIONS	IN FEET	IN FEET	0.006	0.006	0.006	0.006	0.006
(1) PLACE 0.0	±.12	±.18	±.05	0.006	0.006	0.006	0.006	0.006
(2) PLACE 0.00	±.06	±.12	±.015	0.006	0.006	0.006	0.006	0.006
(3) PLACE 0.000	±.03	±.06	±.008	0.006	0.006	0.006	0.006	0.006
ANGLES	±1°	±30'	±30'	0.006	0.006	0.006	0.006	0.006

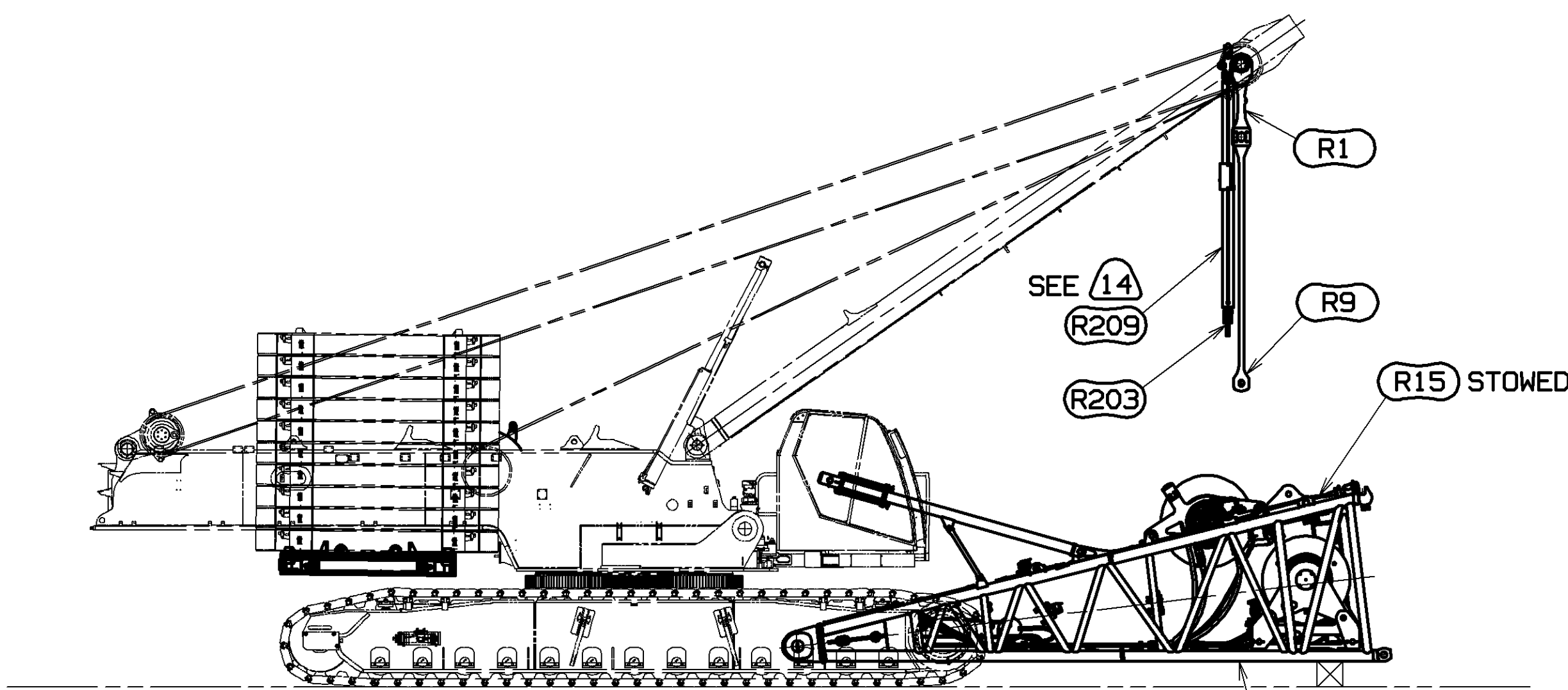
MANITOWOC CRANES, INC.	BOOM RIGGING
Marionette, Wisconsin	B10:500
MODEL MLC300	
APP DLG	

DO NOT SCALE THIS DRAWING

BB

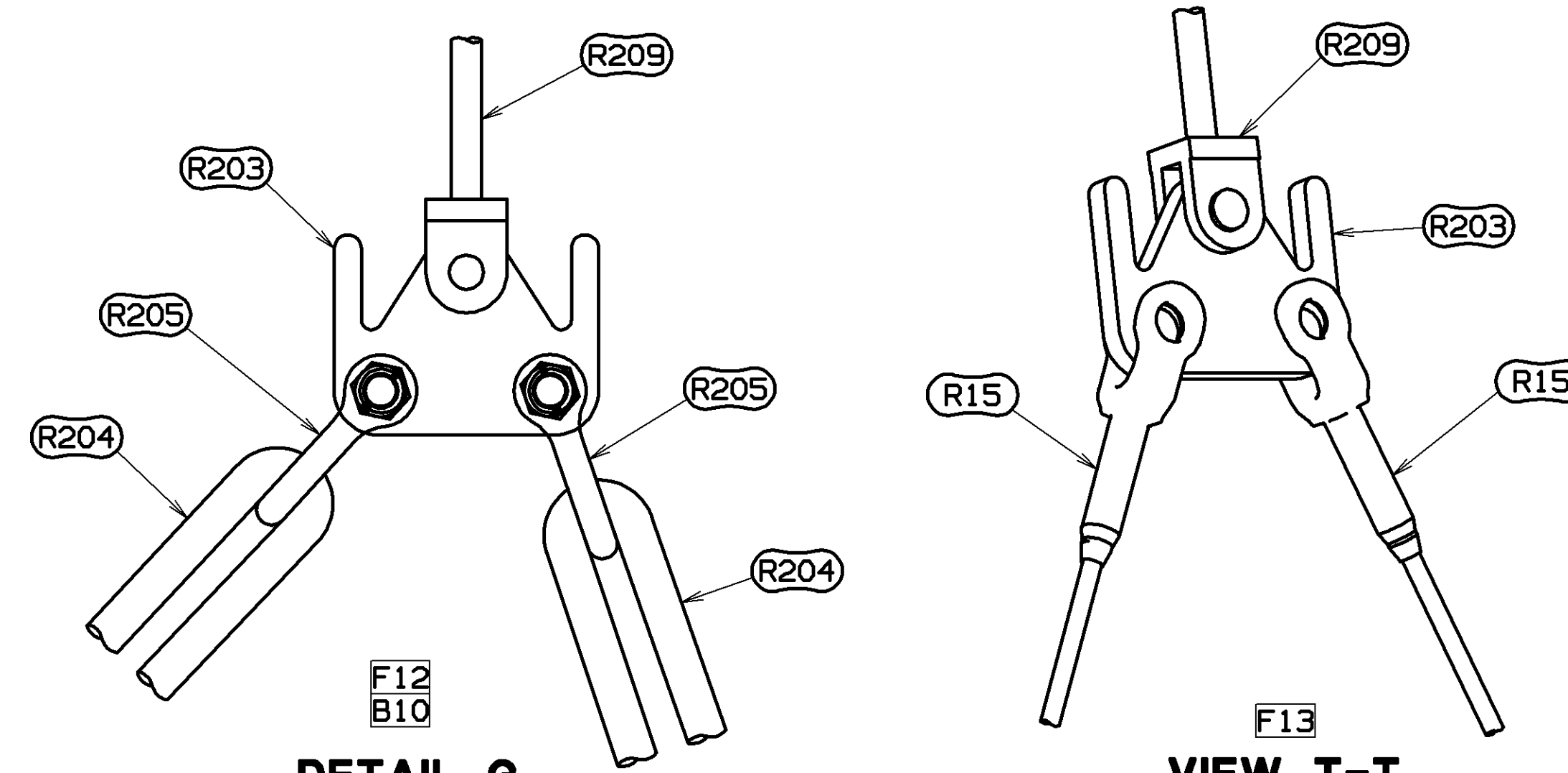
EG

SHT 4 OF 6



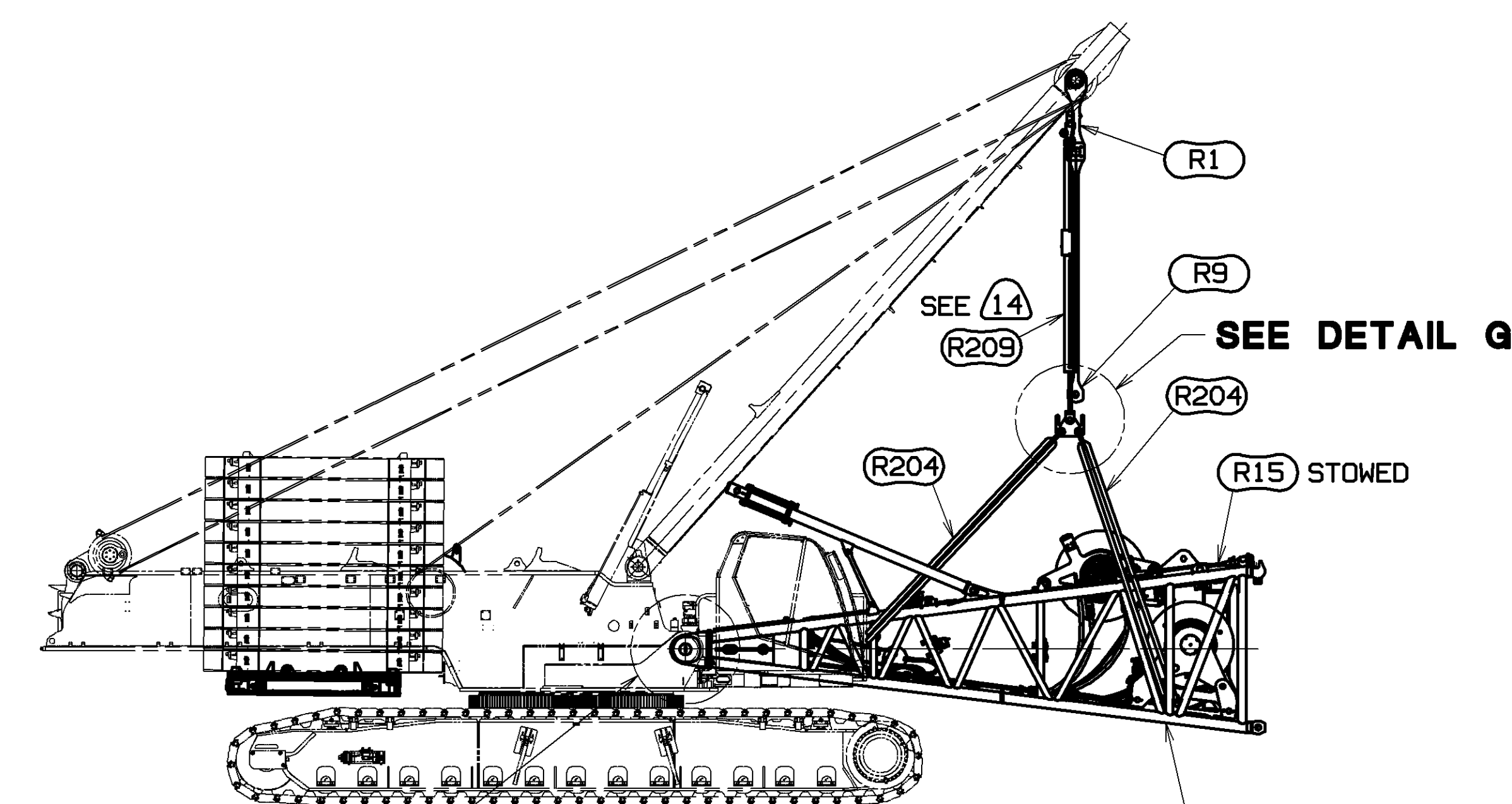
STEP 1

BOOM BUTT INSTALLATION PREP

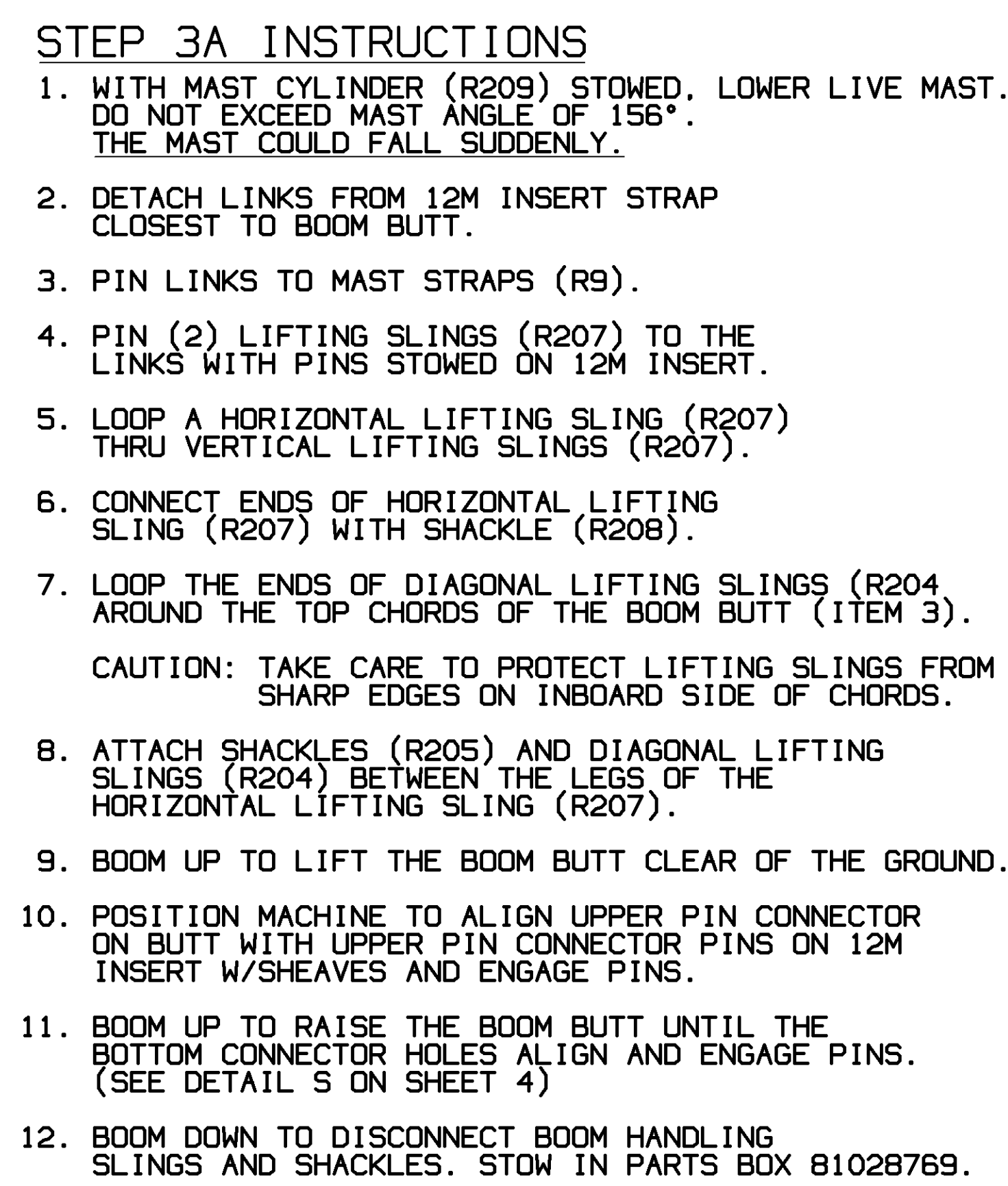


DETAIL G
SCALE 0.125

VIEW T-T
SCALE 0.125



SEE DETAIL J — STEP 2
BUTT INSTALLATION

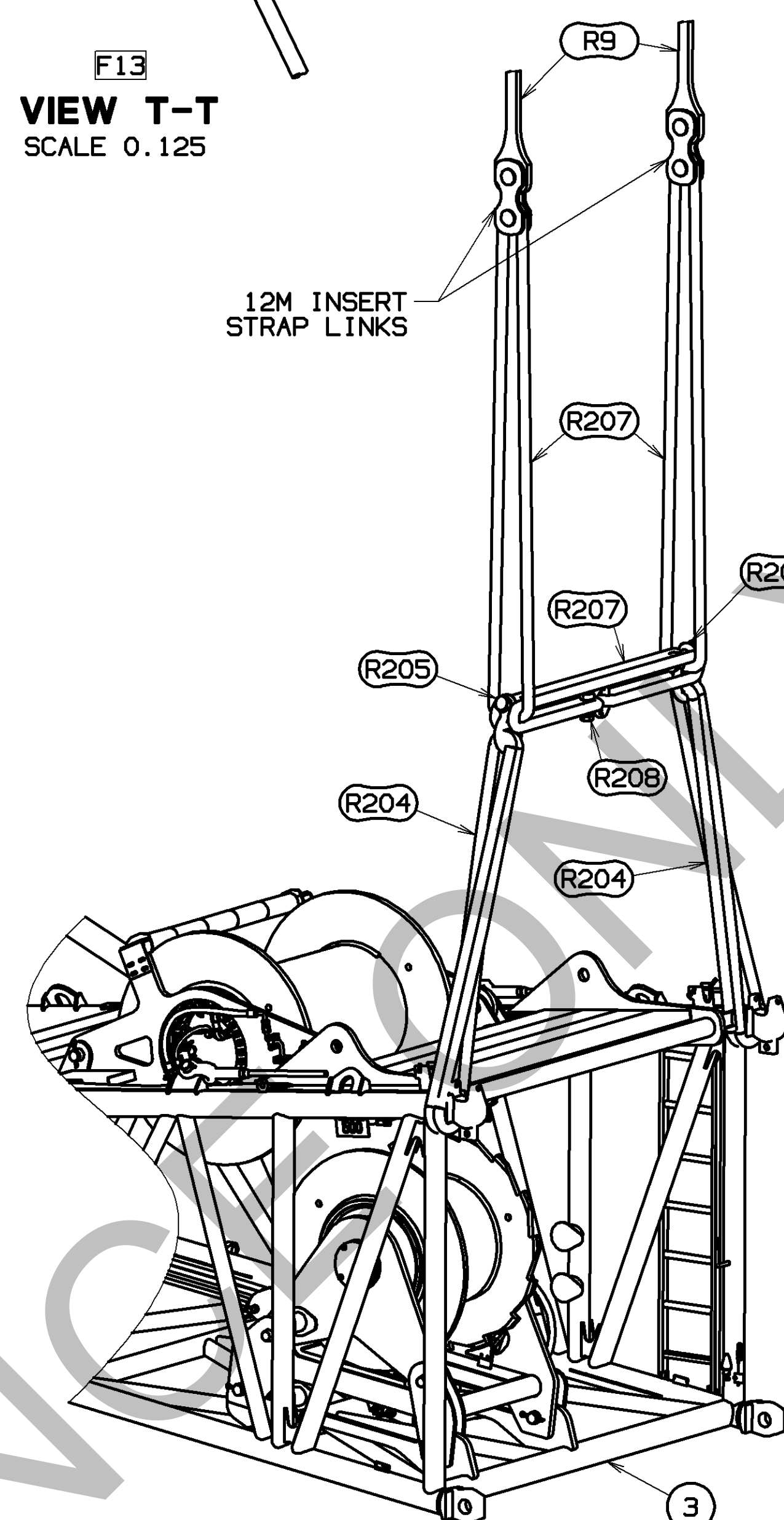


STEP 3A INSTRUCTIONS

1. WITH MAST CYLINDER (R209) STOWED. LOWER LIVE MAST.
DO NOT EXCEED MAST ANGLE OF 156°. THE MAST COULD FALL SUDDENLY.
 2. DETACH LINKS FROM 12M INSERT STRAP CLOSEST TO BOOM BUTT.
 3. PIN LINKS TO MAST STRAPS (R9).
 4. PIN (2) LIFTING SLINGS (R207) TO THE LINKS WITH PINS STOWED ON 12M INSERT.
 5. LOOP A HORIZONTAL LIFTING SLING (R207) THRU VERTICAL LIFTING SLINGS (R207).
 6. CONNECT ENDS OF HORIZONTAL LIFTING SLING (R207) WITH SHACKLE (R208).
 7. LOOP THE ENDS OF DIAGONAL LIFTING SLINGS (R204) AROUND THE TOP CHORDS OF THE BOOM BUTT (ITEM 3).
- CAUTION: TAKE CARE TO PROTECT LIFTING SLINGS FROM SHARP EDGES ON INBOARD SIDE OF CHORDS.
8. ATTACH SHACKLES (R205) AND DIAGONAL LIFTING SLINGS (R204) BETWEEN THE LEGS OF THE HORIZONTAL LIFTING SLING (R207).
 9. BOOM UP TO LIFT THE BOOM BUTT CLEAR OF THE GROUND.
 10. POSITION MACHINE TO ALIGN UPPER PIN CONNECTOR ON BUTT WITH UPPER PIN CONNECTOR PINS ON 12M INSERT W/SHEAVES AND ENGAGE PINS.
 11. BOOM UP TO RAISE THE BOOM BUTT UNTIL THE BOTTOM CONNECTOR HOLES ALIGN AND ENGAGE PINS. (SEE DETAIL S ON SHEET 4)
 12. BOOM DOWN TO DISCONNECT BOOM HANDLING SLINGS AND SHACKLES. STOW IN PARTS BOX 81028769.

WARNING:

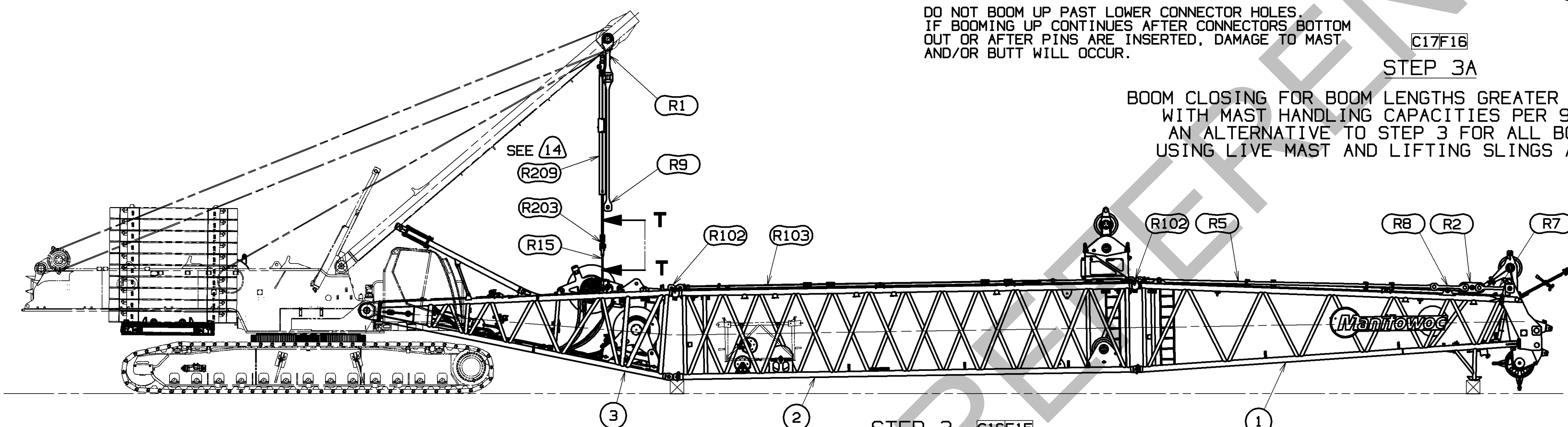
DO NOT BOOM UP PAST LOWER CONNECTOR HOLES.
IF BOOMING UP CONTINUES AFTER CONNECTORS BOTTOM
OUT OR AFTER PINS ARE INSERTED, DAMAGE TO MAST
AND/OR BUTT WILL OCCUR.



C17F16

STEP 3A

BOOM CLOSING FOR BOOM LENGTHS GREATER THAN 66 METERS
WITH MAST HANDLING CAPACITIES PER 9340-A OR AS
AN ALTERNATIVE TO STEP 3 FOR ALL BOOM LENGTHS
USING LIVE MAST AND LIFTING SLINGS AND SHACKLES

STEP 3

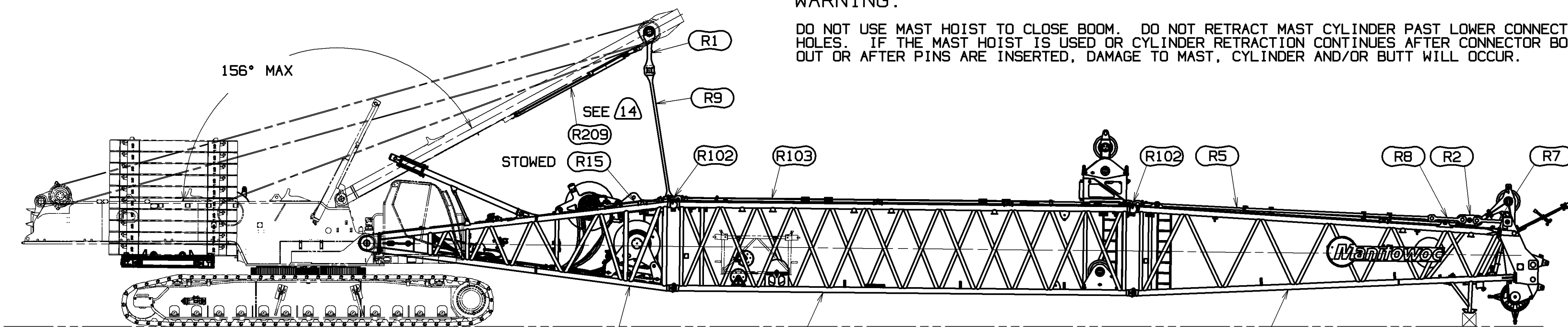
C16	F15
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BOOM CLOSING FOR BOOM LENGTHS LESS THAN OR EQUAL TO 66 METERS USING SELF-ERECT CYLINDER WITH MAST HANDLING CAPACITIES PER 9340-A
BOOM CLOSING FOR ALL BOOM LENGTHS USING SELF-ERECT CYLINDER WITH MAST HANDLING CAPACITIES PER 9340-B

1. LOWER BUTT ASSEMBLY OVER END ONLY TO ATTACH MAST CYLINDER (R209) TO BOOM BUTT HANDLING PENDANTS (R15). (SEE VIEW T-T).
2. RAISE LIVE MAST UNTIL MAST CYLINDER (R209) HANGS VERTICALLY. USE CYLINDER TO BOOM UP TO CLEAR GROUND WITH BUTT.
3. POSITION MACHINE TO ALIGN UPPER PIN CONNECTOR ON BUTT WITH UPPER PIN CONNECTOR PINS ON 12M INSERT W/SHEAVES AND ENGAGE PINS.
4. SLOWLY RETRACT THE MAST CYLINDER (R209) TO ALIGN LOWER PIN CONNECTOR HOLES ON BUTT WITH LOWER PIN CONNECTOR PINS ON 12M INSERT W/ SHEAVES. INSTALL CONNECTOR PINS. (SEE DETAIL S ON SHEET 4)
5. BOOM DOWN TO DISCONNECT BOOM HANDLING PENDANTS (R15) FROM MAST CYLINDER AND STOW PENDANTS ON BUTT.

WARNING:

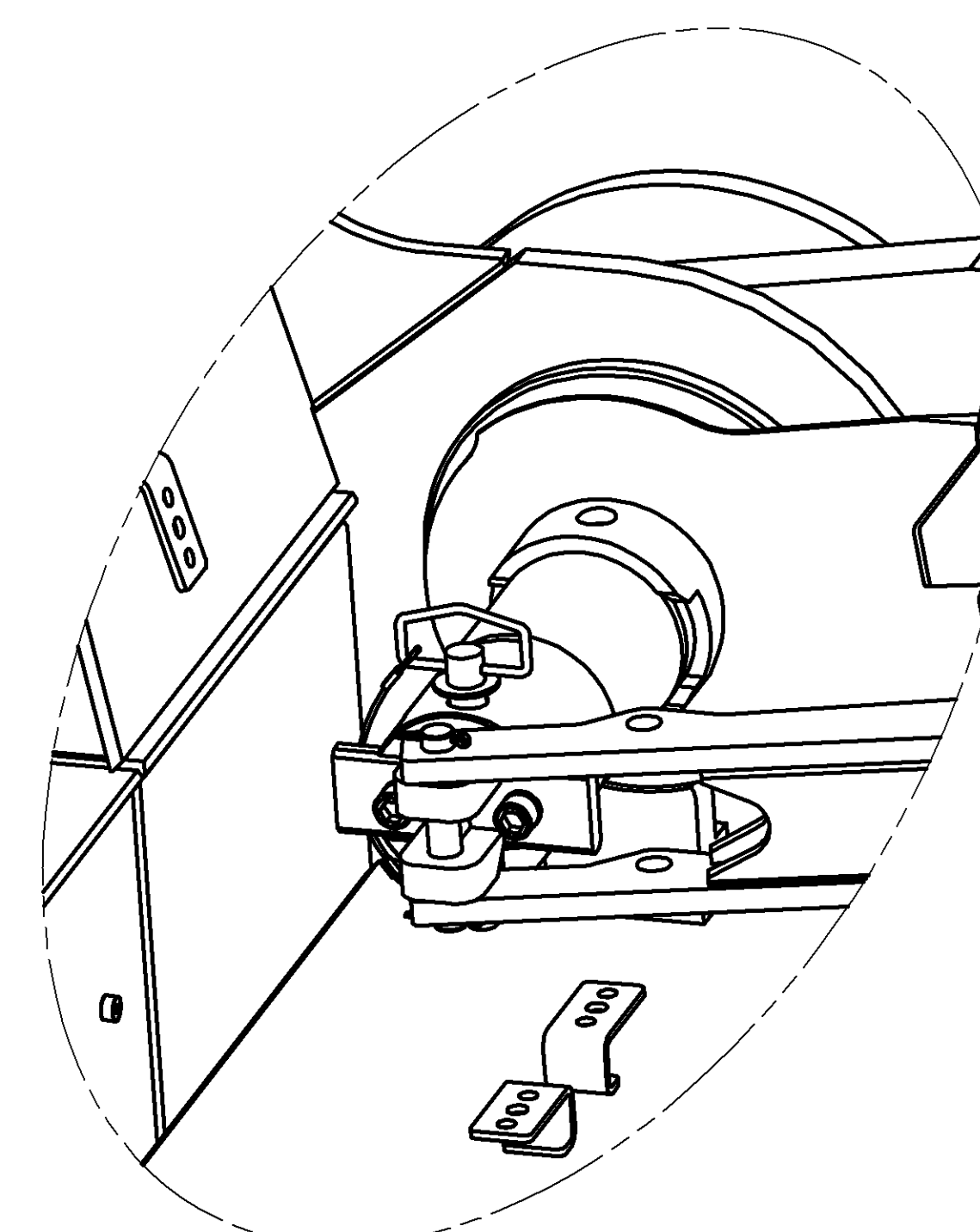
DO NOT USE MAST HOIST TO CLOSE BOOM. DO NOT RETRACT MAST CYLINDER PAST LOWER CONNECTOR HOLES. IF THE MAST HOIST IS USED OR CYLINDER RETRACTION CONTINUES AFTER CONNECTOR BOTTOM OUT OR AFTER PINS ARE INSERTED, DAMAGE TO MAST, CYLINDER AND/OR BUTT WILL OCCUR.



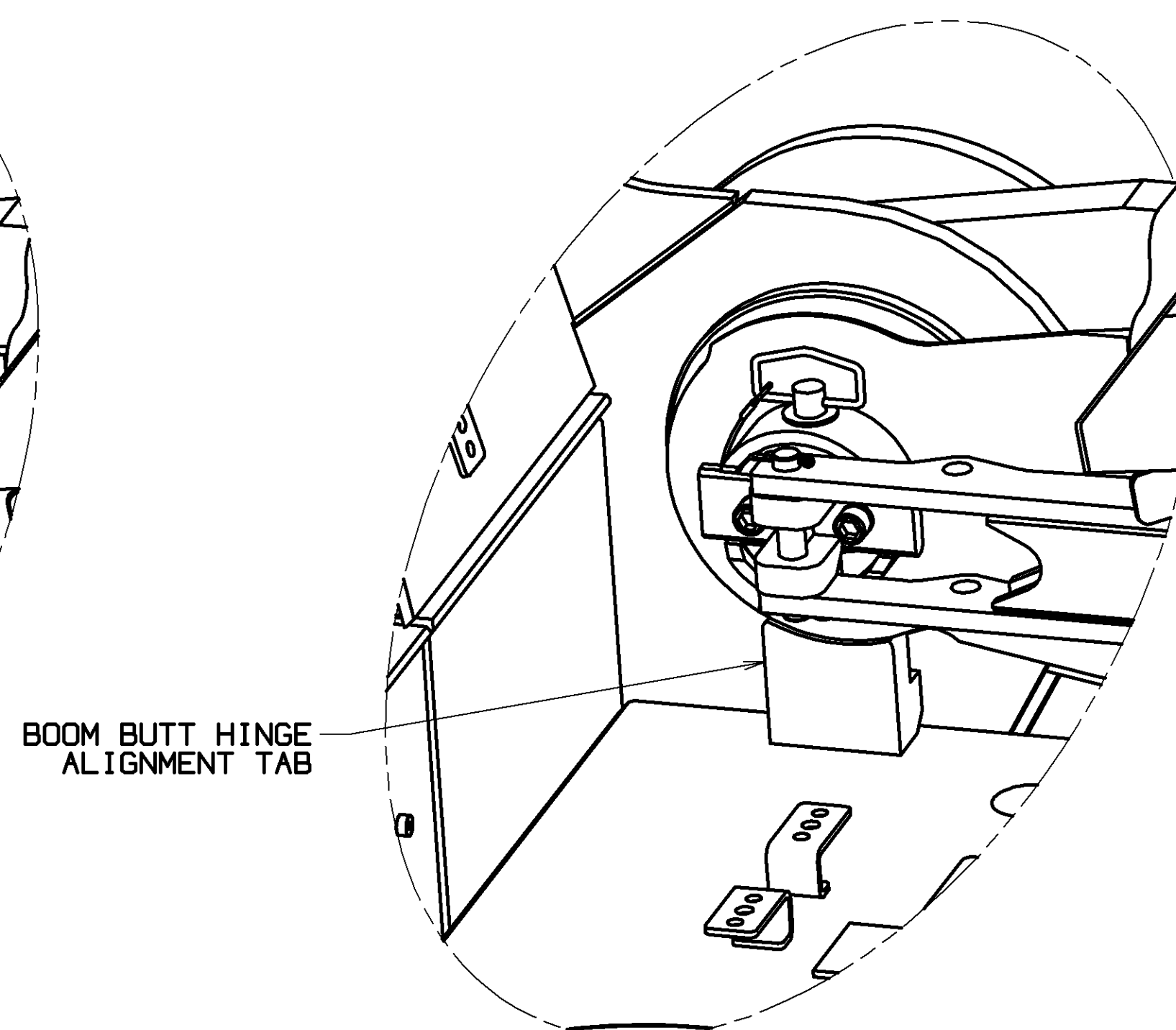
STEP 4

STRAP HOOKUP

DO NOT SCALE THIS DRAWING



DETAIL J
BOOM HINGE INSTALLATION
PIN PULLER RETRACTED



DETAIL J
BOOM HINGE INSTALLATION
PIN PULLER EXTENDED

- ## TO ASSEMBLE BOOM
- (MAST CAN BE USED TO ASSEMBLE ALL RIGGING COMPONENTS)
1. ASSEMBLE BOOM COMPLETE, WITHOUT BUTT.
 2. ATTACH ROPE GUIDES, STRAPS, LINKS AND PINS AS REQUIRED.
(SEE 12M HEAVY INSERT ROPE GUIDE ARRANGEMENT - SHEET 2)
(SEE BOOM TOP WIRE ROPE GUIDE ARRANGEMENT - SHEET 2)
 3. INSTALL BUTT ASSEMBLY WITH MAST AND MAST CYLINDER (OPTIONAL)
BUTT ASSEMBLY INSTALLATION (STEPS 1 AND 2)
 1. POSITION BUTT BETWEEN CRAWLERS.
 2. SUPPORT BUTT WITH MAST CYLINDER, LINK, SHACKLE AND SLING.
APPROXIMATELY LEVEL. (SEE DETAIL G)
 - a. ROUTE SLINGS (R204) ON THE INBOARD SIDE OF THE BOOM BUTT CHORDS AND THE OUTBOARD SIDE LACINGS THAT THE SLING LUGS ARE WELDED TO.
 - B11** b. ROUTE SLINGS (R204) NEAREST BOOM HINGE OVER THE BOOM BUTT CHORDS AND THE OUTBOARD SIDE LACINGS THAT THE SLING LUGS ARE WELDED TO.
 - C14** c. ROUTE SLINGS (R204) NEAREST CONNECTOR END OVER THE BOOM BUTT CHORDS AND THE INBOARD SIDE LACINGS THAT THE SLING LUGS ARE WELDED TO.
 - d. WHEN DRUM 6 EQUIPPED USE UPPER BUTT SLING LUGS AND LOWER BUTT SLING LUGS TOWARD CONNECTOR END.
 - e. WHEN DRUM 6 NOT EQUIPPED USE LOWER BUTT SLING LUGS AND UPPER BUTT SLING LUGS TOWARD CONNECTOR END.
 3. SET INNER PLATE OF BUTT HINGE ON ALIGNMENT TAB OF ROPE GUIDE.
 4. ACTIVATE HINGE PIN CYLINDER TO INSTALL HINGE PIN INTO

OM CLOSING

1. SEE STEP 3 FOR BOOM LENGTHS LESS THAN OR EQUAL TO 66 METERS FOR MACHINES WITH MAST HANDLING CAPACITIES PER 9340-A (SEE DELTA NOTE 14).
SEE STEP 3 FOR ALL BOOM LENGTHS FOR MACHINES WITH MAST HANDLING CAPACITIES PER 9340-B (SEE NOTE 14).
2. SEE STEP 3A FOR BOOM LENGTHS GREATER THAN 66 METERS FOR MACHINES WITH MAST HANDLING CAPACITIES PER 9340-A. (SEE DELTA NOTE 14).
SEE STEP 3A AS AN ALTERNATE TO STEP 3 FOR ALL BOOM LENGTHS.

OW MAST CYLINDER TO LIVE MAST. (IF NOT PREVIOUSLY DONE PER STEP 3A).

5. STOW MAST CYLINDER TO LIVE MAST. (IF NOT PREVIOUSLY DONE PER STEP 3A).
6. BOOM DOWN TO ATTACH BOOM STRAPS ON MAST TO 12M INSERT STRAPS (STEP 4)

WARNING:

DO NOT BOOM DOWN MAST BEYOND 156° WITHOUT ATTACHING
ASSIST CRANE OR MAST CAN FALL.

7. BOOM UP TO DESIRED BOOM ANGLE.

TO DISASSEMBLE BOOM

1. BOOM DOWN AND SUPPORT BOOM ON BLOCKING.
2. DISCONNECT MAST STRAPS FROM BOOM 12M INSERT STRAPS.
3. CONNECT MAST CYLINDER TO BUTT HANDLING PENDANTS (R15).
4. MAST UP OR DOWN SO MAST CYLINDER HANGS VERTICAL.
EXTEND OR RETRACT CYLINDER TO REMOVE SLACK FROM PENDANTS.

WARNING:

DO NOT USE MAST HOIST OR RETRACT THE MAST CYLINDER TO PUT EXCESSIVE TENSION INTO BUTT HANDLING PENDANTS. (ENOUGH TENSION IS REQUIRED TO SUPPORT BUTT WHEN LOWER PINS ARE REMOVED.) LIFTING BOOM WITH HANDLING PENDANTS WILL DAMAGE MAST, CYLINDER AND/OR BOOM BUTT.

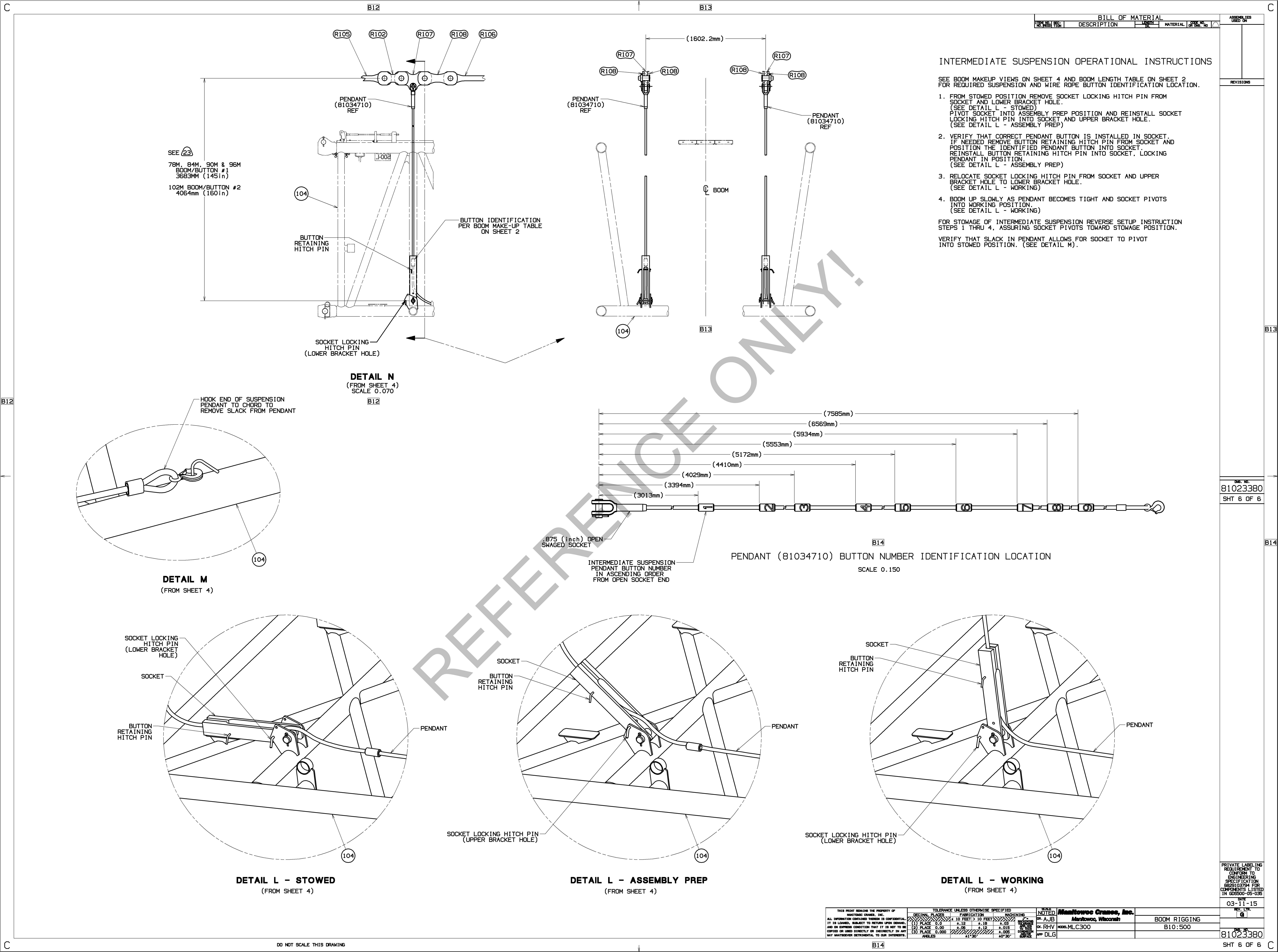
5. REMOVE LOWER CONNECTOR PINS FROM BUTT TO 12M INSERT W/SHEAVES.
EXTEND MAST CYLINDER TO LOWER 12M INSERT W/SHEAVES ONTO BLOCKING
AND DISENGAGE UPPER CONNECTOR FROM BUTT TO 12M INSERT W/SHEAVES.

WARNING:

BOOM MUST BE PROPERLY BLOCKED TO PREVENT SHIFTING DURING PIN REMOVAL.

6. SLOWLY BACK AWAY FROM BOOM.
7. REMOVE BOOM BUTT FROM ROTATING BED.
8. DISASSEMBLE BOOM WITH SELF ASSEMBLY CYLINDER IF DESIRED.

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	DECIMAL PLACES	FABRICATION		MACHINING	a
	(1) PLACE 0.0	≤ 10 FEET	> 10 FEET	DR: AUB	BOOM RIGGING
	(2) PLACE 0.00	≤ 0.06	> 0.06	CR: RHW	B10:0500
	(3) PLACE 0.000	≤ 0.006	> 0.006	APP: DLG	8102338



BILL OF MATERIAL					ASSEMBLED USED ON
QTY	REV	DESCRIPTION	LOCN	MATERIAL	QTY

INTERMEDIATE SUSPENSION OPERATIONAL INSTRUCTIONS

- SEE BOOM MAKEUP VIEWS ON SHEET 4 AND BOOM LENGTH TABLE ON SHEET 2 FOR REQUIRED SUSPENSION AND WIRE ROPE BUTTON IDENTIFICATION LOCATION.
1. FROM STOWED POSITION REMOVE SOCKET LOCKING HITCH PIN FROM SOCKET AND LOWER BRACKET HOLE.
(SEE DETAIL L - STOWED)
PIVOT SOCKET INTO ASSEMBLY PREP POSITION AND REINSTALL SOCKET LOCKING HITCH PIN INTO SOCKET AND UPPER BRACKET HOLE.
(SEE DETAIL L - ASSEMBLY PREP)
 2. VERIFY THAT CORRECT PENDANT BUTTON IS INSTALLED IN SOCKET. IF NEEDED REMOVE BUTTON RETAINING HITCH PIN FROM SOCKET AND POSITION THE IDENTIFIED PENDANT BUTTON INTO SOCKET. REINSTALL BUTTON RETAINING HITCH PIN INTO SOCKET, LOCKING PENDANT IN POSITION.
(SEE DETAIL L - ASSEMBLY PREP)
 3. RELOCATE SOCKET LOCKING HITCH PIN FROM SOCKET AND UPPER BRACKET HOLE TO LOWER BRACKET HOLE.
(SEE DETAIL L - WORKING)
 4. BOOM UP SLOWLY AS PENDANT BECOMES TIGHT AND SOCKET PIVOTS INTO WORKING POSITION.
(SEE DETAIL L - WORKING)
- FOR STOWAGE OF INTERMEDIATE SUSPENSION REVERSE SETUP INSTRUCTION STEPS 1 THRU 4, ASSURING SOCKET PIVOTS TOWARD STOWAGE POSITION.
- VERIFY THAT SLACK IN PENDANT ALLOWS FOR SOCKET TO PIVOT INTO STOWED POSITION. (SEE DETAIL M).

81023380
SHT 6 OF 6

PRIVATE LABELING
REQUIREMENT TO
CONFORM TO
ENGINEERING
SPECIFICATION
8829103794 FOR
COMPONENTS LISTED
IN 882900-06-036

DATE
03-11-15
REV. LVL.
6

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