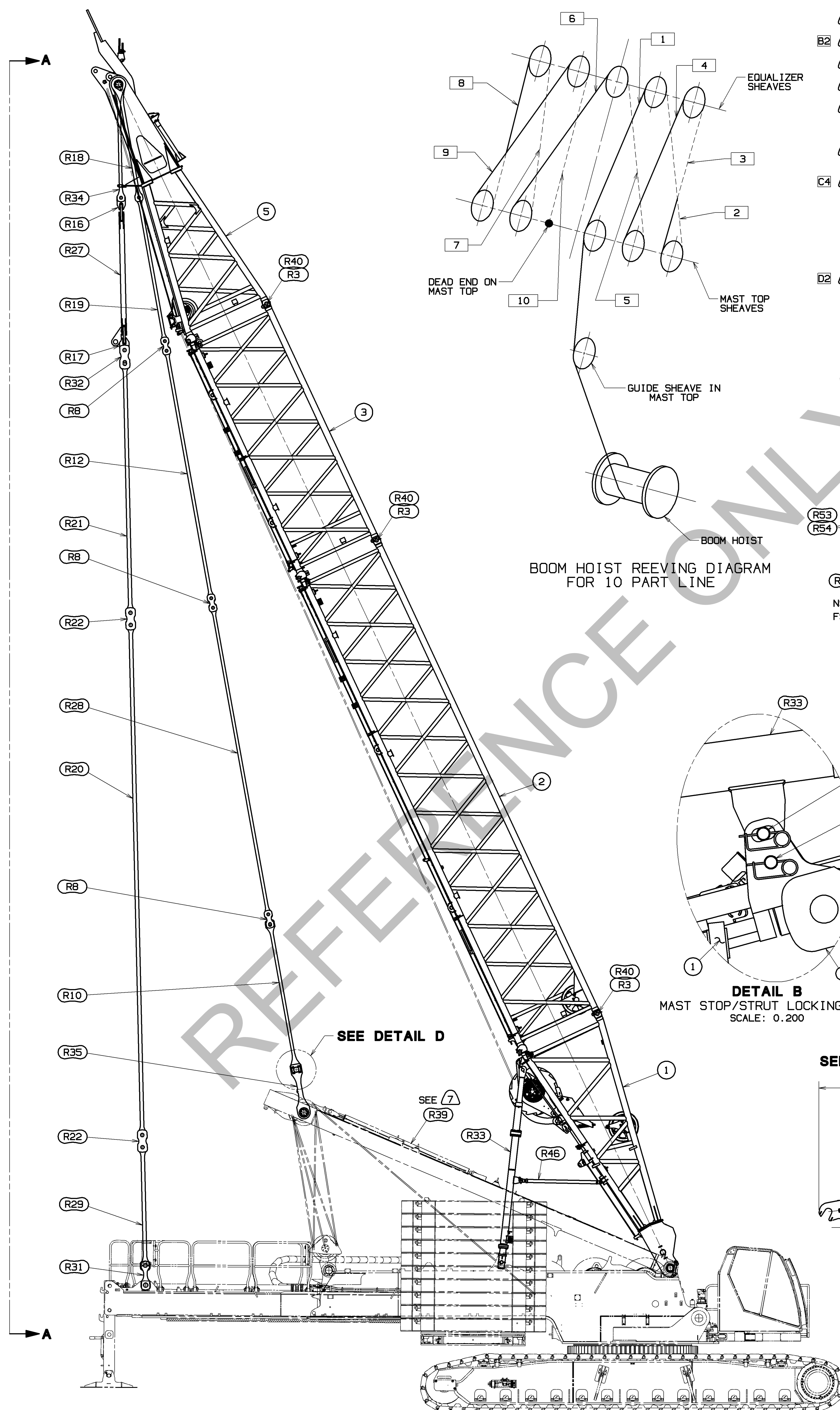
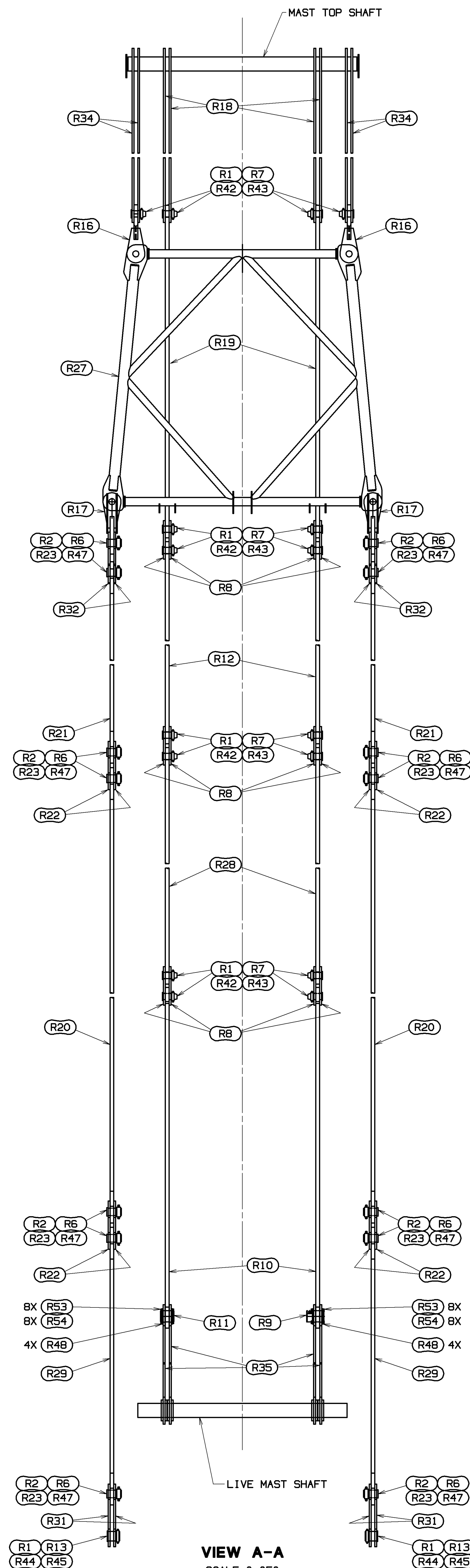
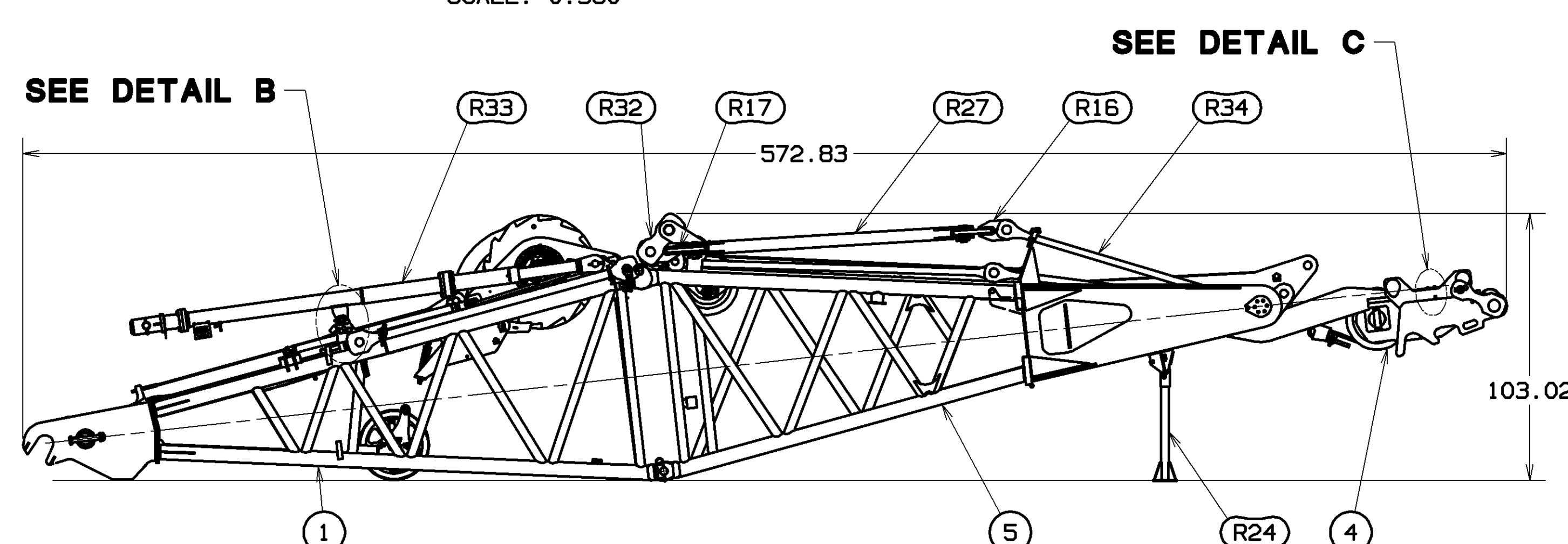
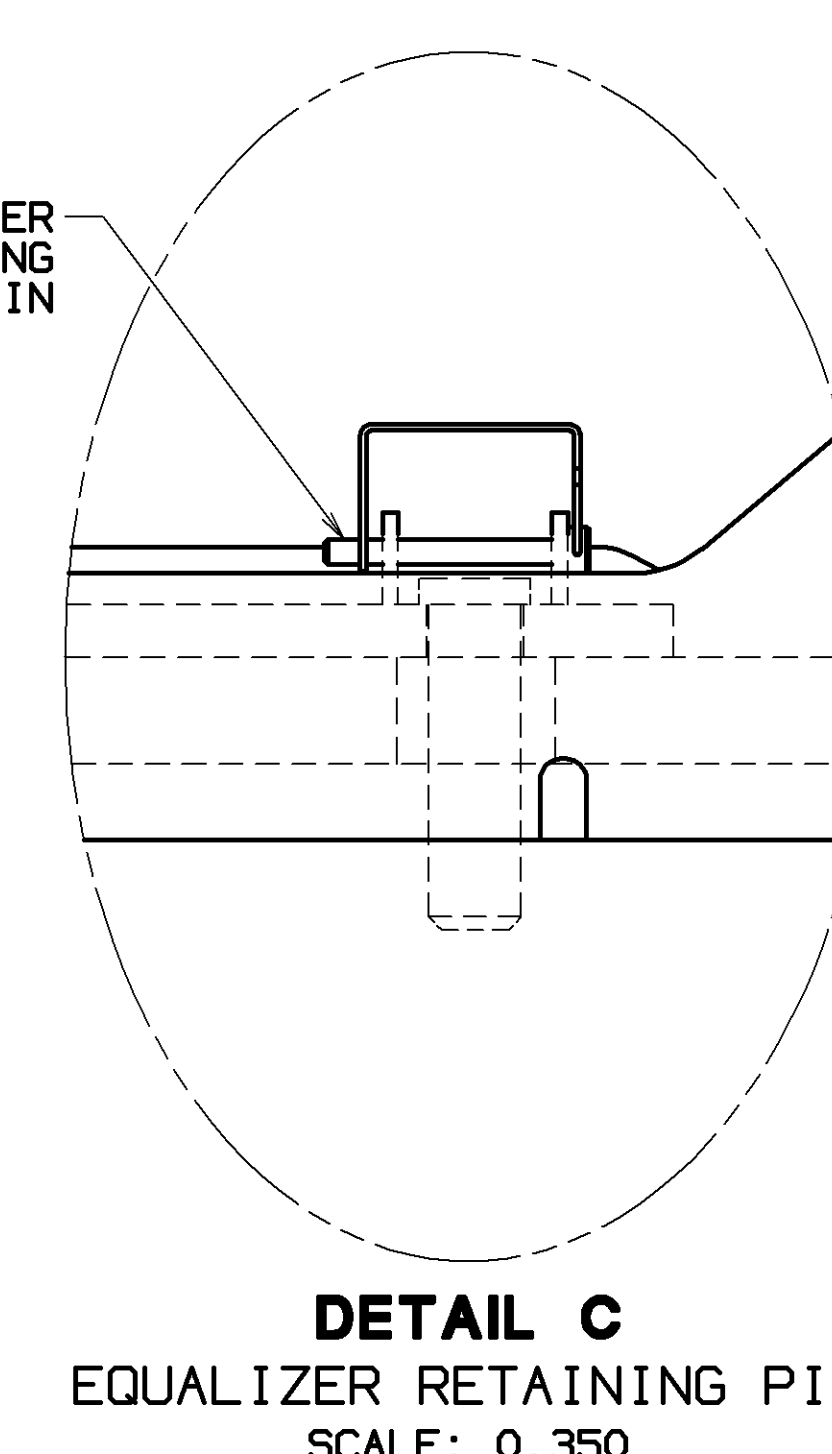
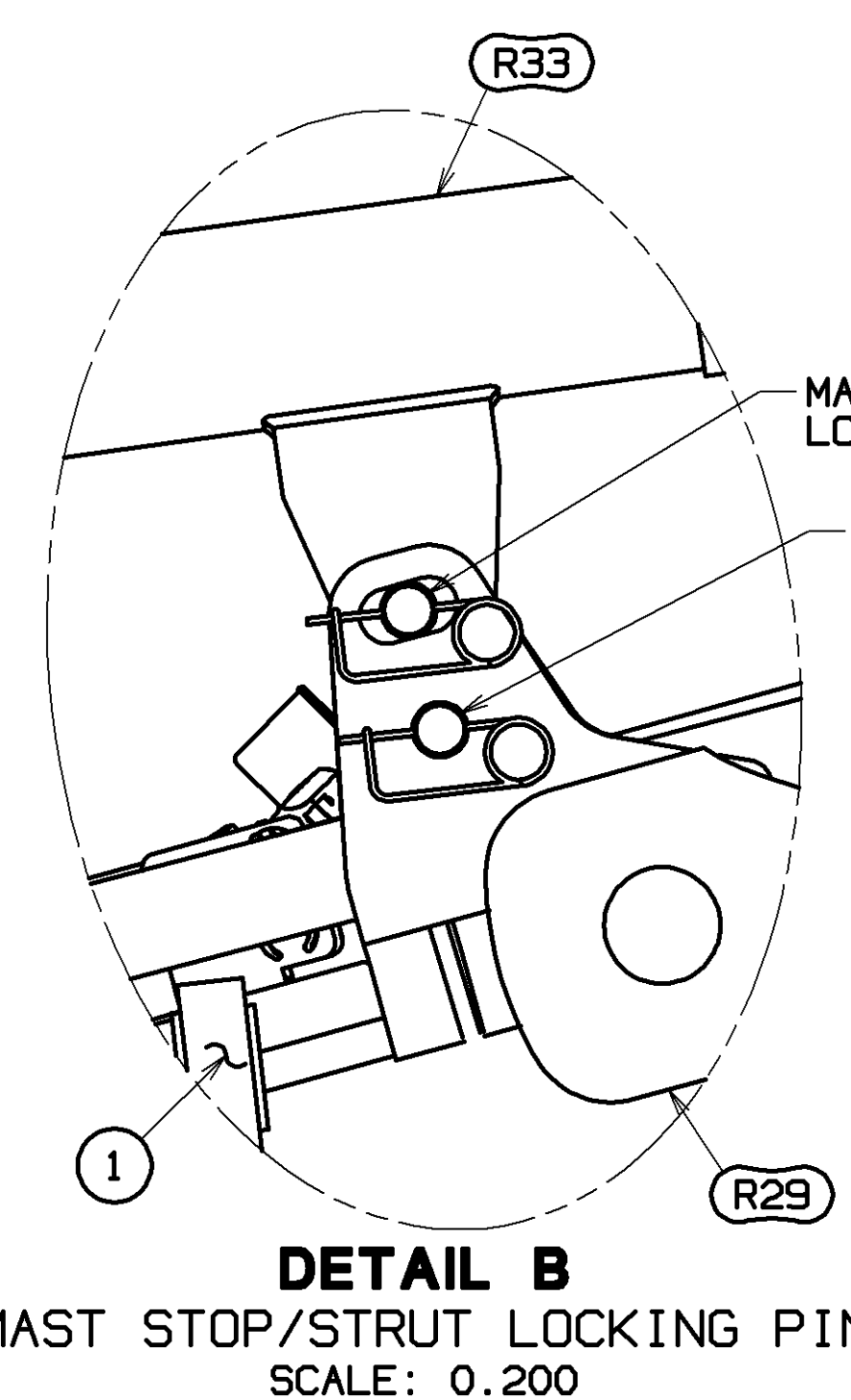
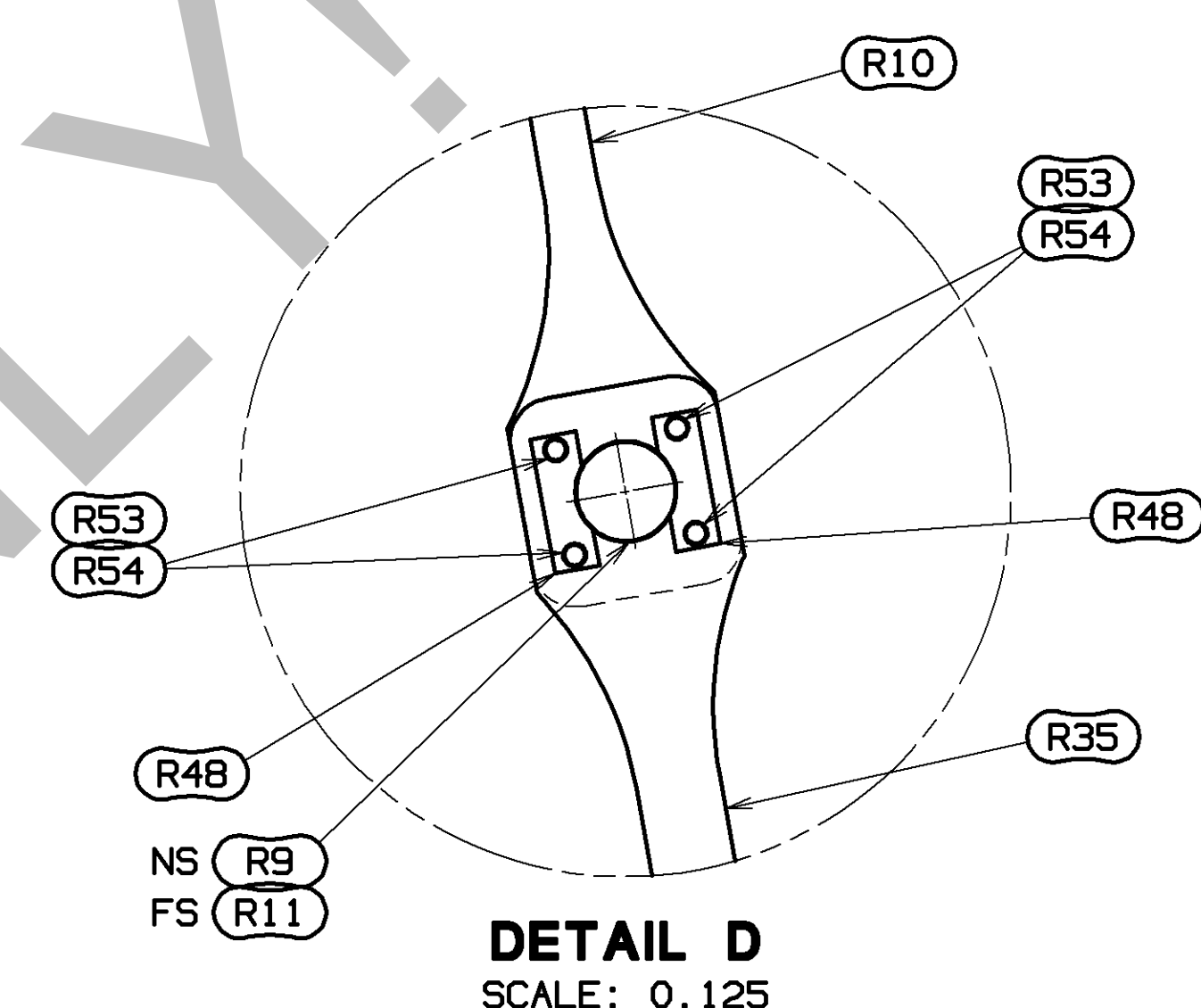




- ① BUTT 6M I.D. TAG #81025138
 ② INSERT 12M I.D. TAG #84035934 OR 84035575
 ③ INSERT 6M I.D. TAG #81026068
 ④ TOP 6M I.D. TAG #81032857
 ⑤ FOR ASSEMBLY AND RIGGING PURPOSE ONLY.
 STOW IN PARTS BOX 81028769 AS
 SELF RIGGING KIT 81038439.
 ⑥ FOR ASSEMBLY AND RIGGING PURPOSE ONLY.
 STOWS IN PARTS BOX 81028769 AS OPTION B.

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

- D2 ⑧ LIFTING POINTS AND ATTACHMENT COMPONENTS ON
 12M INSERT 81027803 (3.0M WIDE) VARY PER
 WITH OR WITHOUT DRUM 6 OR BACKSTAYS.
 SEE PARTIAL BOOM LIFT TABLE AND DETAIL
 VIEWS ON RIGGING DRAWING REFERENCED ON
 CAPACITY CHART.

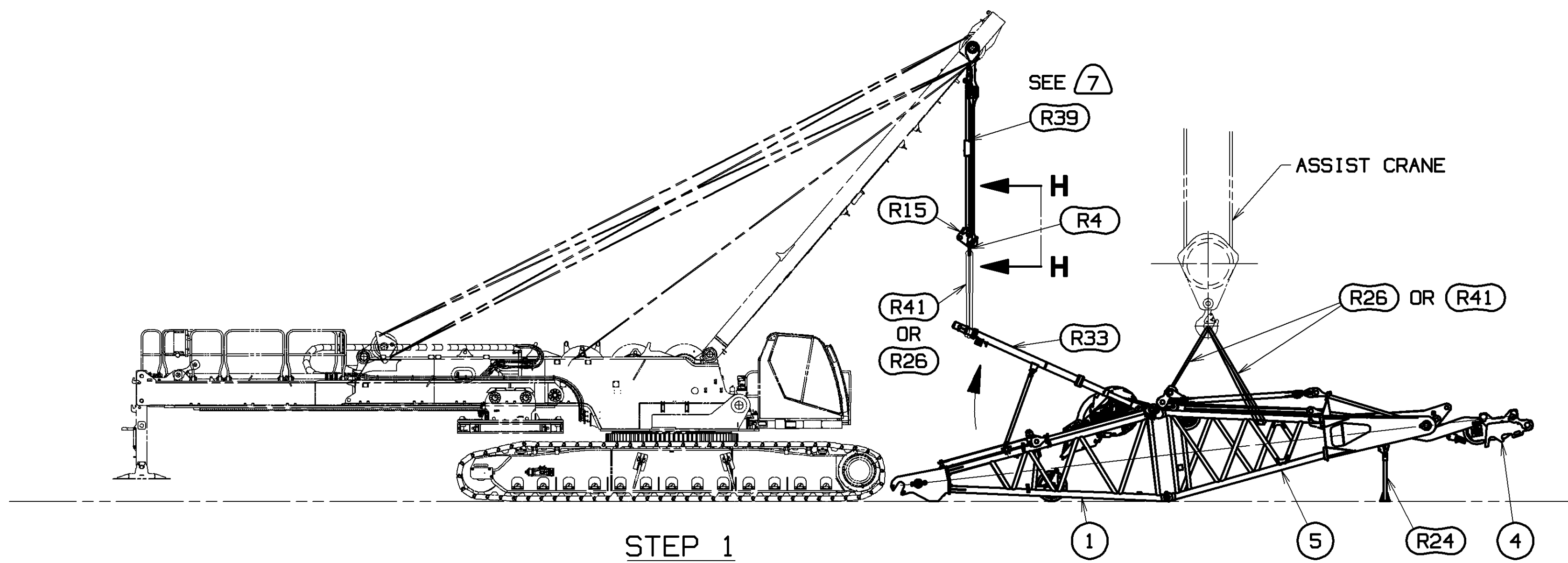


MAST BUTT (ITEM 1): 14,600 LBS (6,625 KGS)
 MAST TOP (ITEM 5): 13,650 LBS (6,190 KGS)
 EQUALIZER (ITEM 4): 3,050 LBS (1,383 KGS)
 DRUM 5 ROPE: 4,430 LBS (2,009 KGS)

BILL OF MATERIAL					ASSEMBLIES USED IN	
ITEM NO.	QTY	DESCRIPTION	UNIT	MATERIAL	ITEM NO.	QTY
MAST RIGGING M10:503						
1	1	BUTT ASSY #503 MAST		81025137	1	
2	1	INSERT ASSY 12M #503		81026064	2	
3	1	INSERT ASSY 6M #503		81026067	3	
4	1	EQUALIZER ASSY		81029025	4	
5	1	TOP ASSY #503 MAST 6.0 M		81032859	5	
6						
BASIC REFERENCE ITEMS						
R1	36	PIN COTTER 3/16 DIA X 1.50 LG		562085		
R2	28	PIN COTTER 1/4 DIA X 1.50 LG		562105		
R3	12	PIN SAFETY .243 OD X 5.00		563640		
R4	4	SHACKLE 25MTON		624759	5	
R5	2	PIN SAFETY 0.25 DIA X 2.50 LG		81028427		
R6	14	COLLAR 80.2MM I.D.		81020478		
R7	16	PIN 1 HOLE W/HD 65.0 DIA X 94.3 LG		81024951		
R8	12	LINK #500 BOOM		81024955		
R9	1	LOAD PIN 120MM D X 145.150KG		84038494		
R10	2	STRAP 3.400M LG, 40MM THK		81028829		
R11	1	PIN 120.0 DIA X 86.2 LG		81029568		
R12	2	STRAP 5.78M #500		81029621		
R13	2	PIN 1 HOLE W/HD 100.0 DIA X 94.3 LG		81029670		
R14	2	PENDANT		81029858		
R15	1	LINK SELF ERECT		84041812	7	
R16	2	LINK WELD AND MACHINING		81039624		
R17	2	LINK WELD AND MACHINING		81039645		
R18	4	LINK TOP #503 MAST		81036111		
R19	2	STRAP 3.35M #503		81036794		
R20	2	STRAP #503 BOOM 38.1X80.0		81036897		
R21	2	STRAP #503 BOOM 38.1X80.0		81036899		
R22	8	LINK #503 MAST CTWT STRAP		81036914		
R23	14	PIN 1 HOLE 79.3 DIA X 100.1 LG		81037284		
R24	2	BRACE MAST TOP SUPPORT		81038014		
R25	2	SLING 50000 LBS 6.15 FT		84018961	6	
R26	4	SLING LIFTING 1 LEG X 4000(LBS) X9.0(FT)		81038423	5	
R27	1	SPREADER MACHINING MAST CTWT STRAPS		81039468		
R28	2	STRAP 7.16M #503		81039842		
R29	2	STRAP #503 BOOM 38.1X80.44		81039878		
R30						
R31	4	LINK #503 MAST		81041215		
R32	4	LINK #503 MAST CTWT STRAP		81041794		
R33	2	CYLINDER HYDRAULIC MAST STOP ASSY		81041867		
R34	4	LINK ASSY #503 MAST TOP		81042532		
R35	4	STRAP ASSY LIVE MAST 1.0M		81042537		
R36	2	PIN WITH HEAD 44.5 OD X 314.0 LG		84019793		
R37	2	COLLAR 45.5IDX57.20DX25.0		84019794		
R38	2	BUSHING SLEEVE ASSY		84020126		
R39	1	CYL HYD 139.7 BORE 44.45 ROD		84041811	7	
R40	6	PIN 2 HOLE 75.80 X 171.9 LG		84026091		
R41	4	SLING 13.0 (FT) 40000 (LB)		84026655	5	
R42	16	PIN 2 HOLES 12.7 DIA X 93.0 LG		A11799		
R43	16	COLLAR 66MM I.D.		A11800		
R44	2	COLLAR 101MM I.D.		A12945		
R45	2	PIN 2 HOLE 12.7 DIA X 128.0 LG		A12946		
R46	2	STRUT ASSY		A13864		
R47	14	PIN 2 HOLE 19.05 DIA X 117.0 LG		A16804		
R48	8	PLATE KEEPER 12 MM		A19734		
R49						
R50						
R51						
R52						
R53	16	HHCS 16 X 30 10.9, FULL THREAD		7127241353		
R54	16	L WASHER 16 ST DIN 127B		7951240220		

81025690
SHT 1 OF 6

PRIVATE LABELING
 REQUIREMENT TO
 CONFORM TO
 ENGINEERING
 SPECIFICATION
 8629103794 FOR
 COMPONENTS LISTED
 IN 862901-06-026
 DATE
 02-23-16
 REF. LIT.
 D
 81025690
 SHT 1 OF 6



STEP 1

UNLOAD AND MAST STOP RAISING

ASSEMBLE VPC-MAX BEAM AND AUXILIARY MEMBER TO CRANE. POSITION COUNTERWEIGHT TRAY IN MINIMUM POSITION.

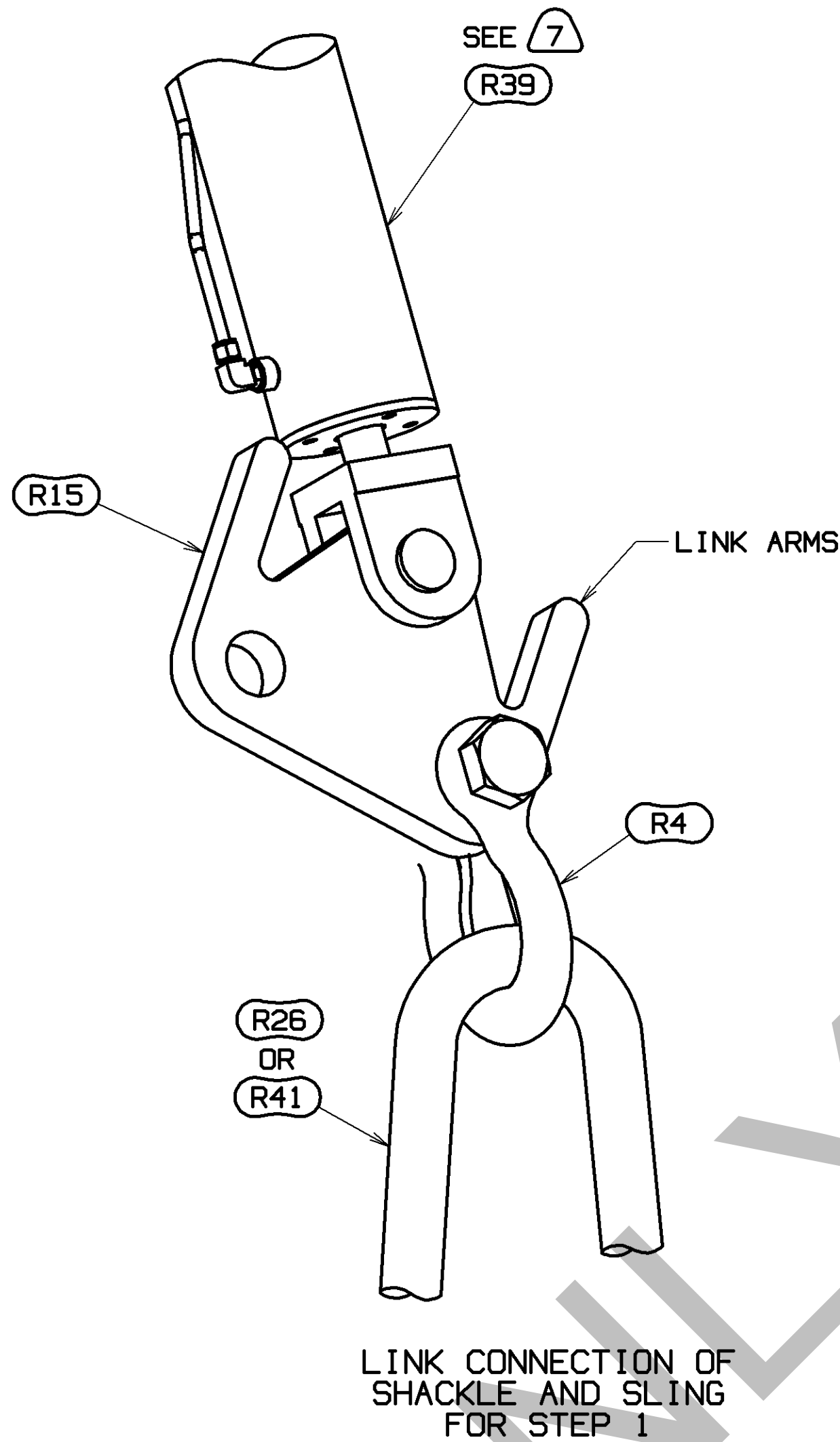
ATTACH ASSIST CRANE TO MAST BUTT/TOP ASSEMBLY USING (4) LIFTING SLINGS (R26 OR R41) TO THE LIFTING LUGS ON THE FIXED MAST BUTT (ITEM 1) AND THE FIXED MAST TOP (ITEM 5).

LIFT FROM TRAILER AND POSITION DIRECTLY IN FRONT OF MACHINE.

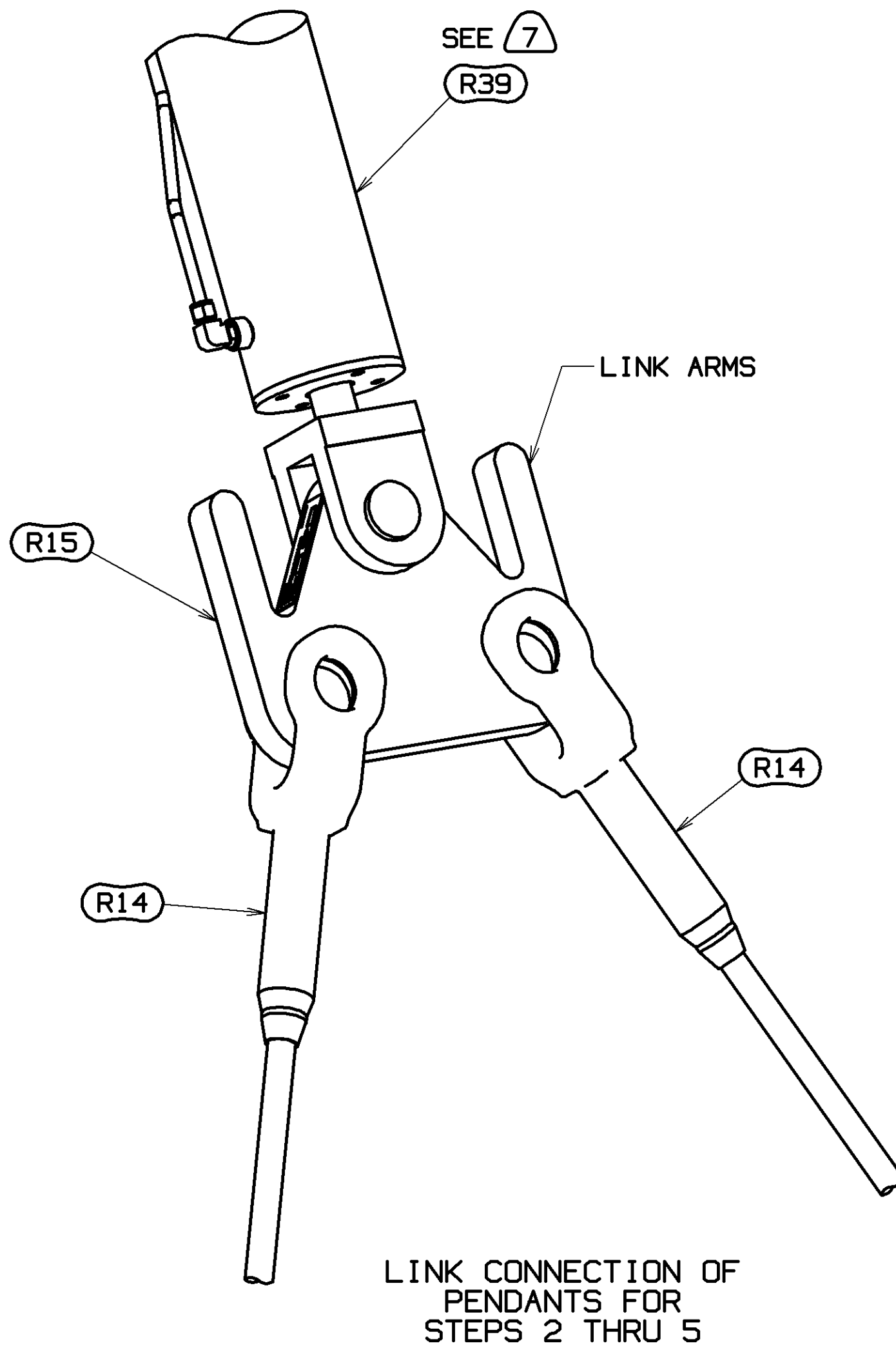
BASKET LIFTING SLING (R41) OR STRAIGHT LOOP LIFTING SLING (R26) AROUND MAST STOP CYLINDER (R33) AND CONNECT THE OTHER END OF THE SLING TO THE LIFTING LINK (R15) ON THE SELF-ERECT CYLINDER (R39) WITH THE SHACKLE (R4). REMOVE MAST STOP LOCKING PIN (SEE DETAIL B ON SHEET 1) AND RAISE THE MAST STOP (R33) TO THE OPERATING POSITION WITH THE LIVE MAST SELF-ERECT CYLINDER (R39).

REMOVE THE STRUT LOCKING PIN (SEE DETAIL B ON SHEET 1) AND RAISE THE STRUT BY HAND TO OPERATING POSITION AND INSTALL MAST STOP LOCKING PIN TO CONNECT STRUT TO THE MAIN STRUT.

REMOVE SLING (R41 OR R26) AND SHACKLE (R4) FROM LIFTING LINK (R15) ON CYLINDER (R39).



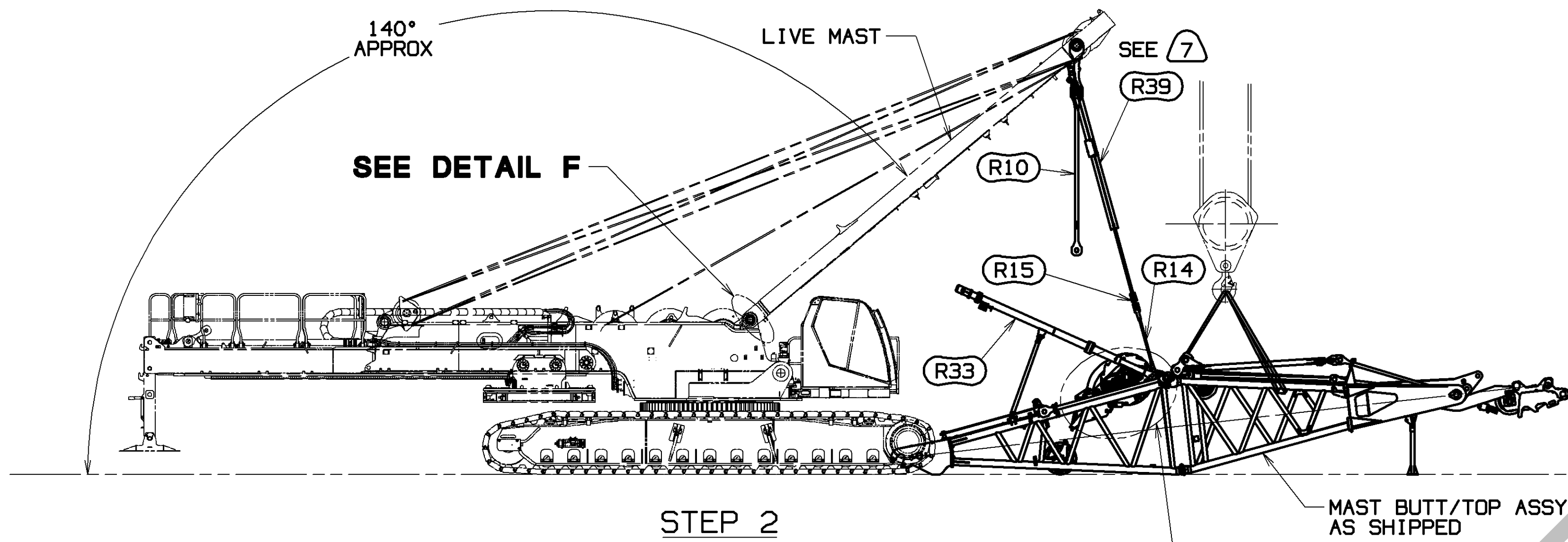
LINK CONNECTION OF SHACKLE AND SLING FOR STEP 1



LINK CONNECTION OF PENDANTS FOR STEPS 2 THRU 5

VIEW H-H

SELF-ERECT LINK CONNECTION OPTIONS
WHEN LIVE MAST EQUIPPED WITH SELF-ERECT
LINK R15 AND HYDRAULIC CYLINDER R39
SCALE 0.200



STEP 2

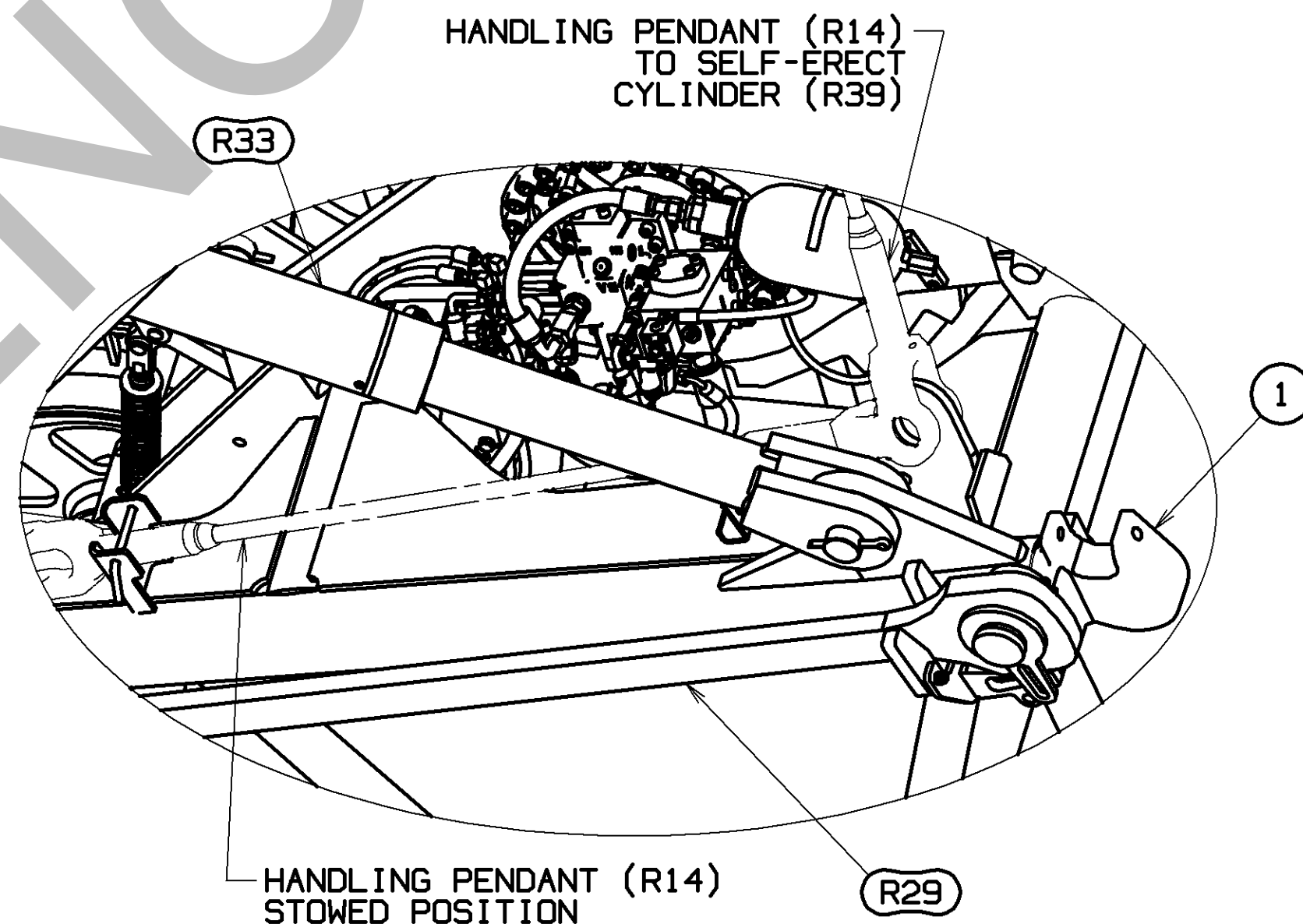
MAST BUTT/TOP ASSEMBLY TO CRANE PREP

REPOSITION CRANE TOWARD MAST BUTT/TOP ASSEMBLY AS SHOWN.

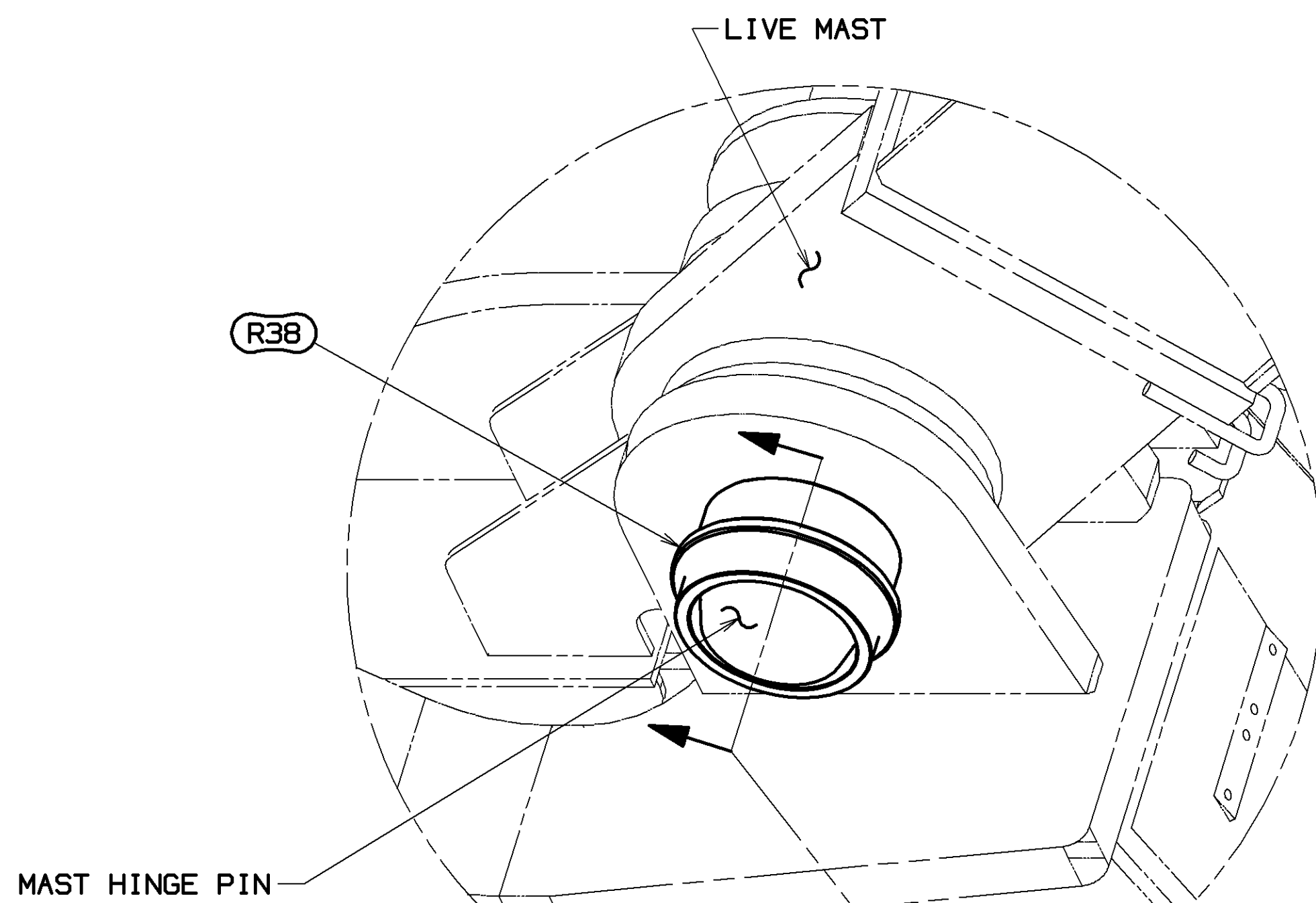
LOWER LIVE MAST TO APPROXIMATELY 140°, EXTEND SELF-ERECT CYLINDER (R39) AS NEEDED AND PIN THE HANDLING PENDANTS (R14) TO THE LIFTING LINK (R15) ON THE SELF-ERECT CYLINDER (R39). (SEE DETAIL E)

REMOVE RETAINING PINS (R36) AND COLLARS (R37) WITH SAFETY PINS (R5) FROM STOWED POSITION ON MAST BUTT (ITEM 1). (SEE DETAIL G)

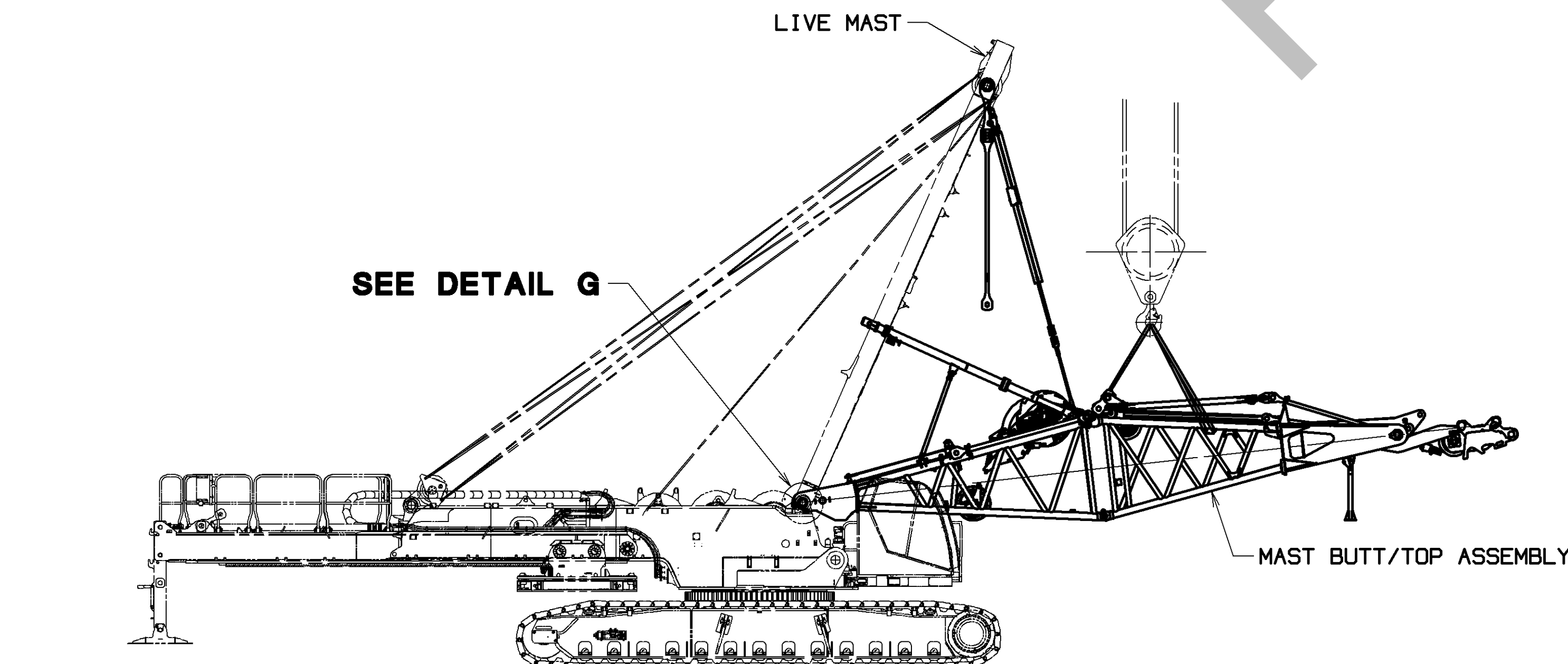
RELOCATE BUSHING ASSEMBLY (R38) FROM STOWAGE TO MAST HINGE PIN. (SEE DETAIL F)
NOTE: POSITION INNER BUSHING TOWARD LIVE MAST.



DETAIL E
SCALE 0.100



DETAIL F
SCALE 0.250

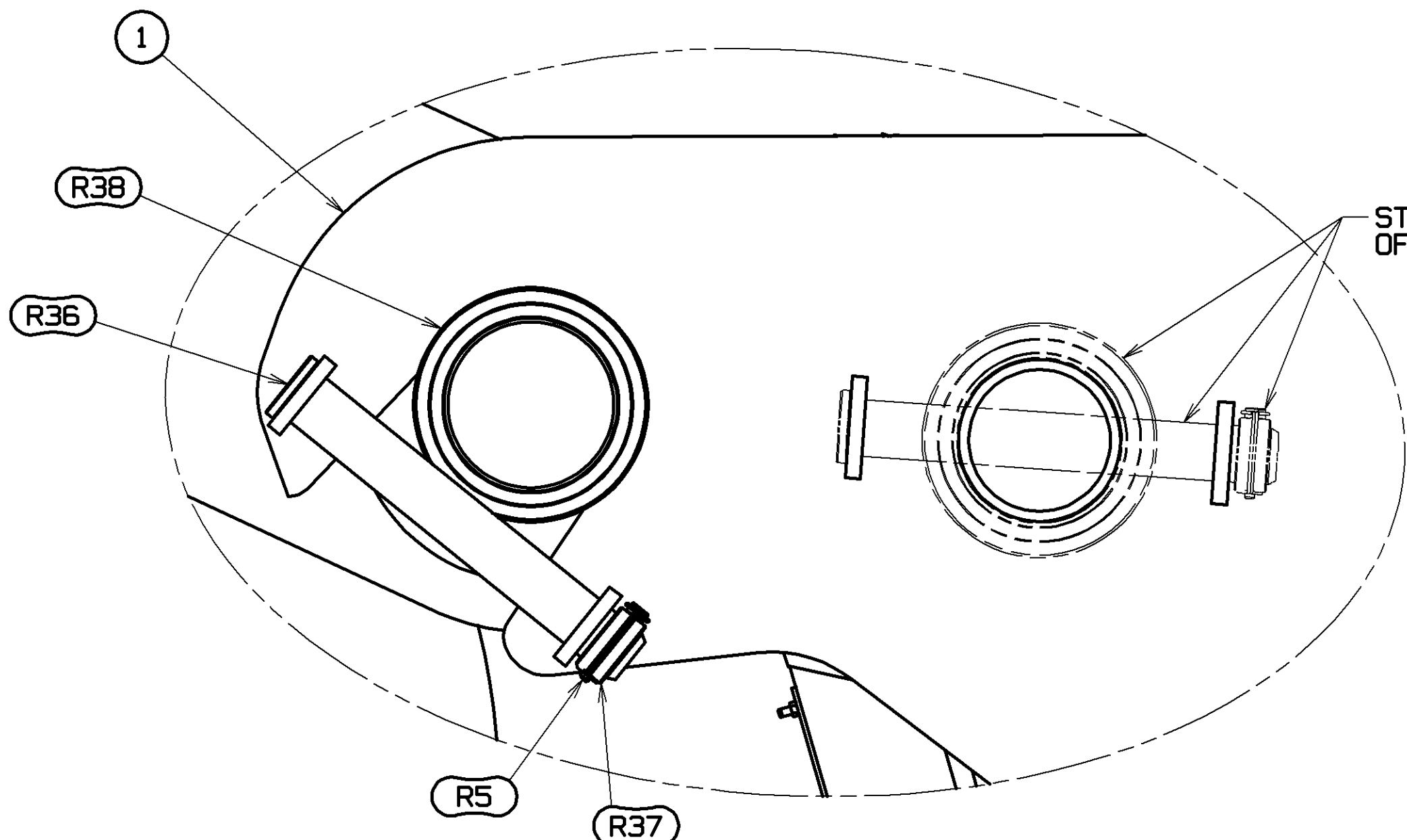


STEP 3

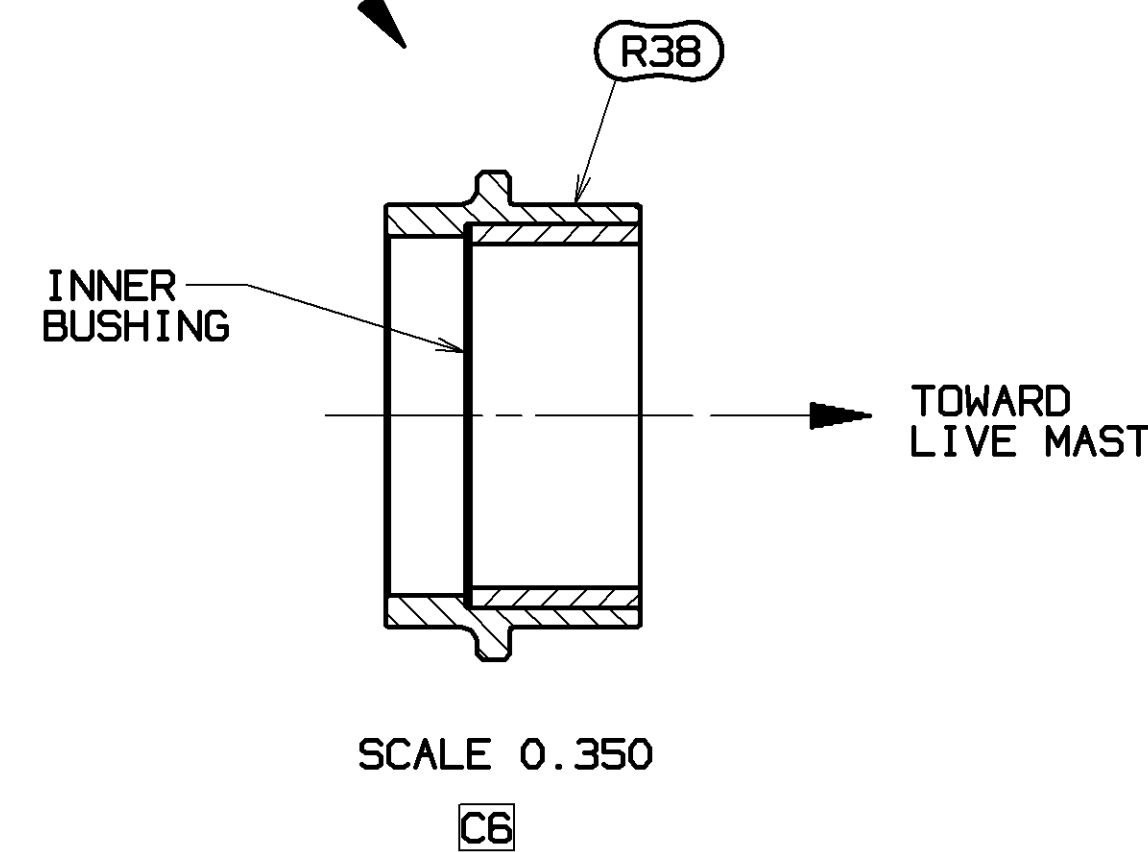
MAST BUTT/TOP ASSEMBLY TO CRANE

USING ASSIST CRANE SLOWLY LIFT MAST BUTT/TOP ASSEMBLY WHILE RAISING THE LIVE MAST TO ENGAGE THE HOOKED ENDS OF MAST BUTT (ITEM 1) WITH THE BUSHING ASSEMBLY (R38) AT THE MAST HINGE PIN. (SEE DETAIL G).

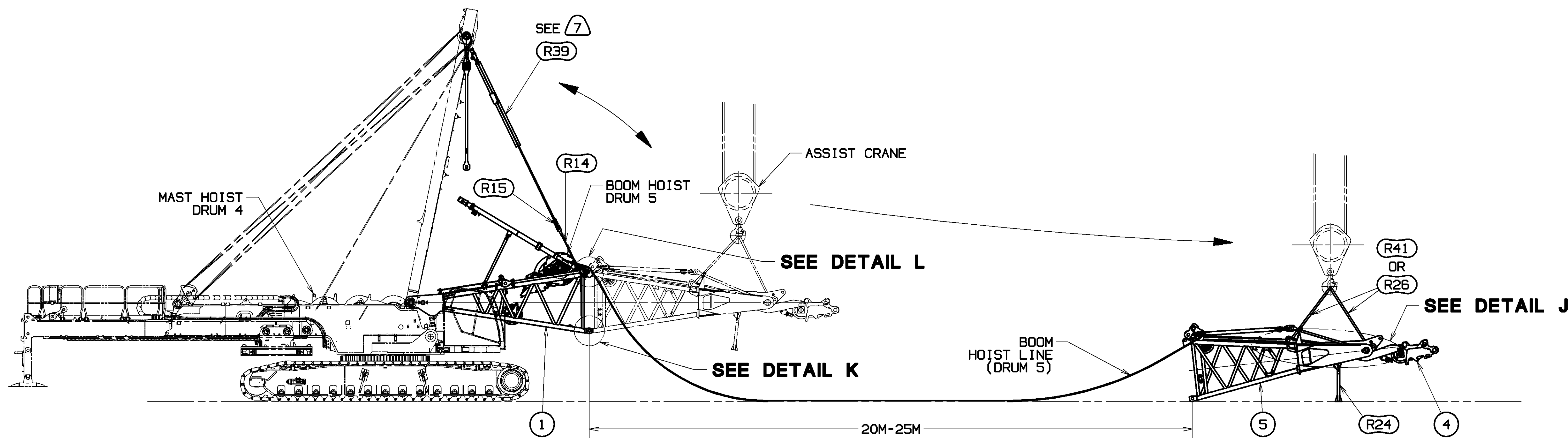
INSTALL PINS (R36) AND COLLARS (R37) WITH SAFETY PINS (R5) TO RETAIN MAST BUTT (ITEM 1) ON BUSHING (R38) AT MAST HINGE PIN. (SEE DETAIL G).



DETAIL G
SCALE 0.250



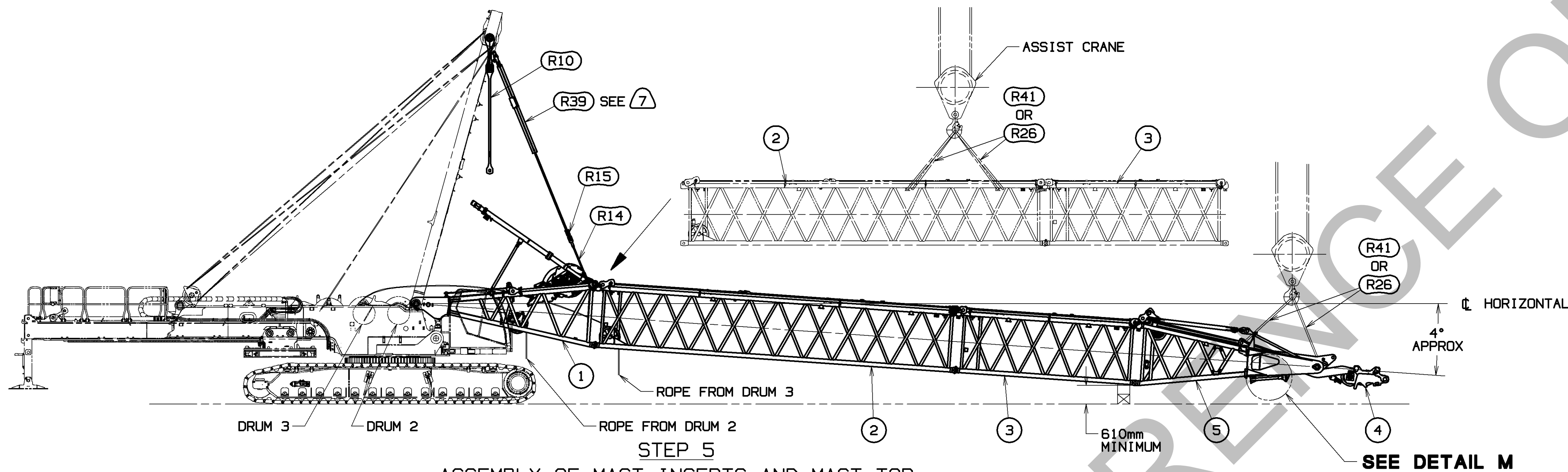
TOLERANCE UNLESS OTHERWISE SPECIFIED				SCALE 0.012		MANUFACTURED BY Manitowoc Cranes, Inc.		MAST RIGGING	
DECIMAL PLACES	FRACTIONS	INCHES	FEET	INCHES	FEET	DR. AUB	MODEL MLC300	M10:503	
(1) PLACE 0.0	±.12	±.18	±.05	±.05	±.05	OK. RHV			
(2) PLACE 0.00	±.06	±.12	±.015	±.015	±.015	APP. DLG			
(3) PLACE 0.000	±.006	±.012	±.006	±.006	±.006				
ANGLES	11°-30'	11°-30'	40°-50'	40°-50'	40°-50'				



STEP 4

DISCONNECT FIXED MAST TOP FROM FIXED MAST BUTT

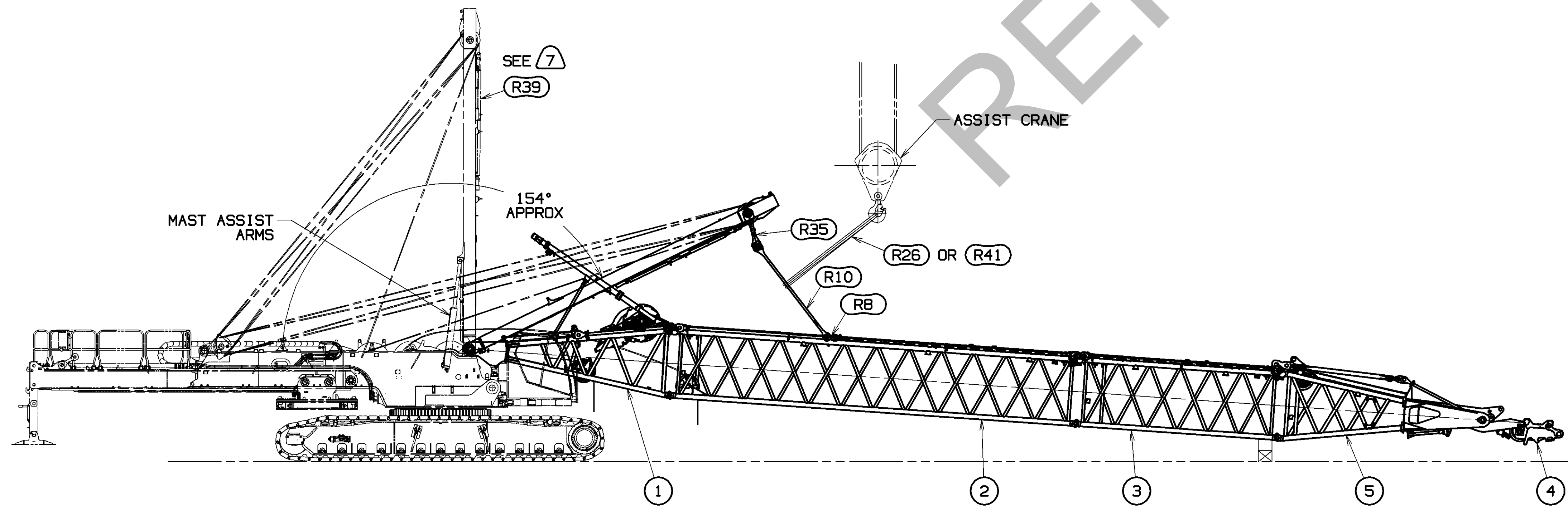
RAISE THE LIVE MAST AND FULLY EXTEND THE SELF-ERECT CYLINDER (R39).
LOWER THE LIVE MAST UNTIL THE CENTERLINE OF THE MAST BUTT/TOP ASSEMBLY IS AT HORIZONTAL POSITION.
APPLY THE DRUM 4 BRAKE AND ENGAGE THE DRUM PAWL.
WARNING: DO NOT WALK ON FIXED MAST BUTT/TOP ASSEMBLY UNTIL DRUM 4 IS SECURED.
DETACH THE LIFTING SLINGS (R26 OR R41) FROM THE LIFTING LUGS ON THE FIXED MAST BUTT (ITEM 1) AND THE FIXED MAST TOP (ITEM 5). (FROM STEP 1 ON SHEET 2).
CHOKE HITCH LIFTING SLINGS (R26 OR R41) TO LIFT POINTS ON FIXED MAST TOP (ITEM 5). (SEE DETAIL J).
HOIST WITH ASSIST CRANE TO ALLOW FOR REMOVAL AND STOWAGE OF LOWER CONNECTOR PINS (R40) AND SAFETY PIN (R3). (SEE DETAIL K).
WARNING: ASSEMBLY PERSONNEL MUST NOT BE ON THE FIXED MAST BUTT/TOP ASSEMBLY WHEN HOISTING WITH ASSIST CRANE.
USING ASSIST CRANE LIFT THE FIXED MAST TOP (ITEM 5) TO DISENGAGE THE FIXED HORIZONTAL PINS IN THE FIXED MAST TOP
FROM THE HOOKED CONNECTORS ON THE FIXED MAST BUTT (ITEM 1). (SEE DETAIL L).
WHILE PAYING OUT WIRE ROPE FROM DRUM 5 IN THE FIXED MAST BUTT (ITEM 1) LIFT THE FIXED MAST TOP (ITEM 5) AND PLACE ON
GROUND 20-25 METERS IN FRONT OF FIXED MAST BUTT AS SHOWN.
POSITION DRUM 5 WIRE ROPE ALONG SIDE FIXED MAST BUTT AND TOP SO AS NOT TO INTERFERE WITH INSTALLATION OF INSERTS (STEP 5).



STEP 5

ASSEMBLY OF MAST INSERTS AND MAST TOP

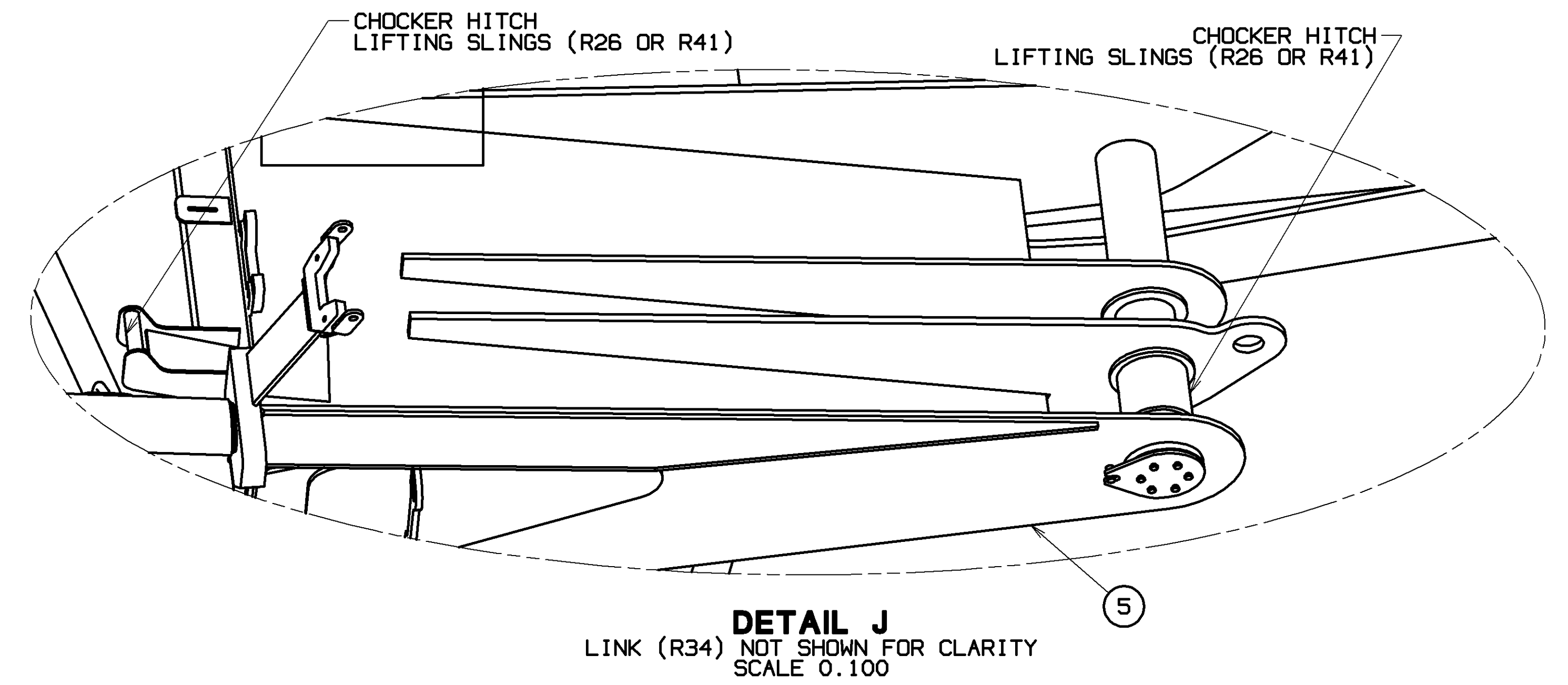
ASSEMBLE MAST INSERTS (ITEMS 2 AND 3) TO EACH OTHER. USING ASSIST CRANE WITH LIFTING SLINGS (R26 OR R41) ATTACH ASSEMBLED
INSERTS (ITEMS 2 AND 3) TO FIXED MAST BUTT (ITEM 1). (SEE DETAILS K AND L FOR HOOK AND PIN CONNECTION). BOTH INSERTS CAN BE CANTILEVERED FROM THE MAST BUTT.
LOWER MAST INSERTS ONTO BLOCKING AT LEAST 610mm (24 inches) HIGH OR AN ANGLE OF MINUS 4°.
USING ASSIST CRANE ATTACH LIFTING SLINGS (R26 OR R41) TO FIXED MAST TOP (ITEM 5) AS IN PREVIOUS STEP 4. (SEE DETAIL J).
WITH MAST TOP SUPPORTED, STOW MAST TOP SUPPORT BRACES (R24). (SEE DETAIL M).
USING ASSIST CRANE ATTACH FIXED MAST TOP (ITEM 5) TO INSERT (ITEM 3). (SEE DETAILS K & L FOR HOOK AND PIN CONNECTORS).
PAY OUT AND ROUTE LOAD LINE FROM DRUM 2 OVER THE TOP OF GUIDE SHEAVE IN FIXED MAST BUTT (ITEM 1).
PAY OUT AND ROUTE LOAD LINE FROM DRUM 3 OVER THE TOP OF GUIDE SHEAVE IN 12M INSERT (ITEM 2).
PAY OUT AT LEAST 36 METER (118 FT) OF WIRE ROPE FROM BOTH DRUMS SO THE WIRE IS ACCESSIBLE AFTER THE FIXED MAST IS RAISED.



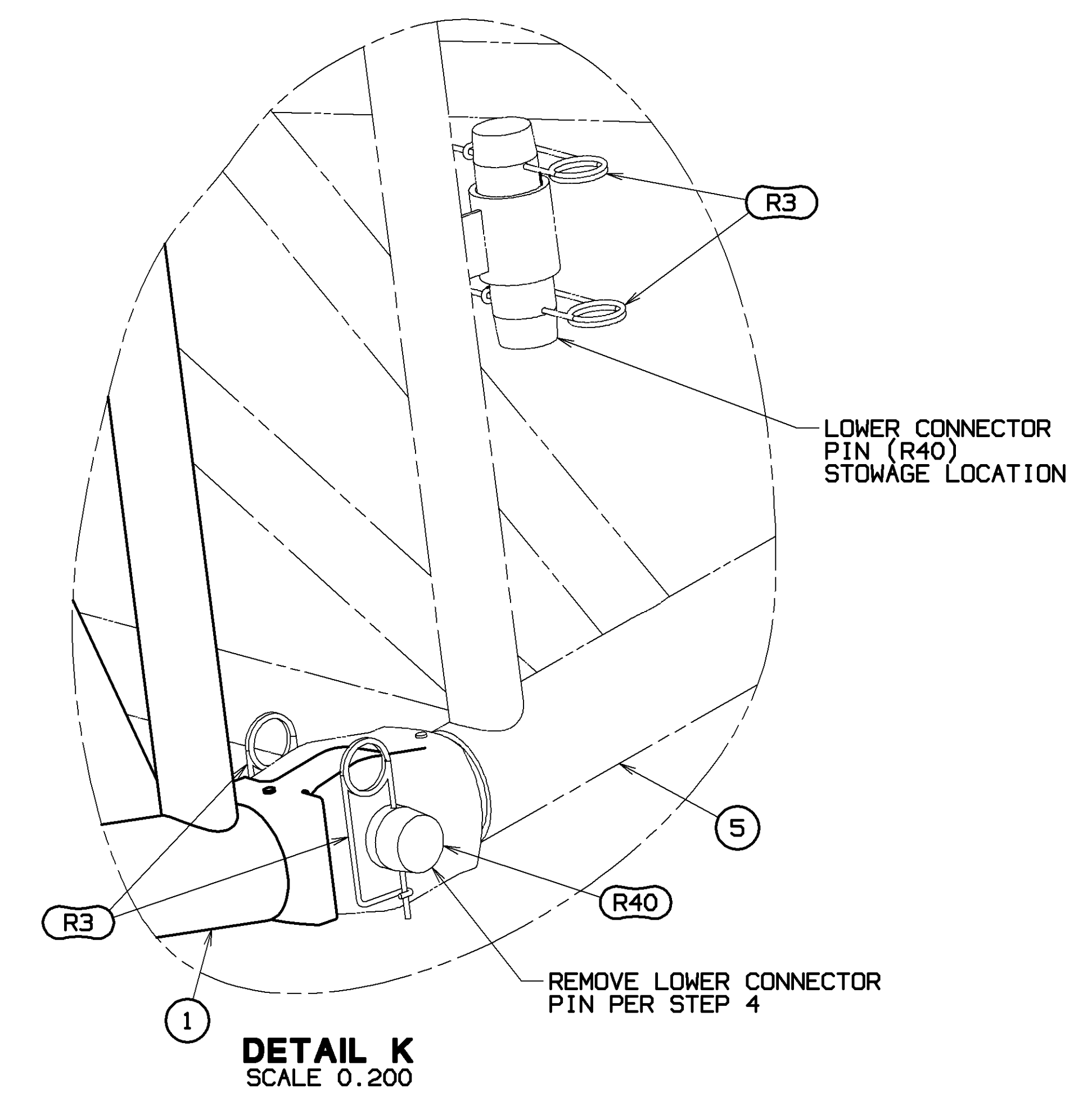
STEP 6

LIVE MAST STRAPS TO FIXED MAST

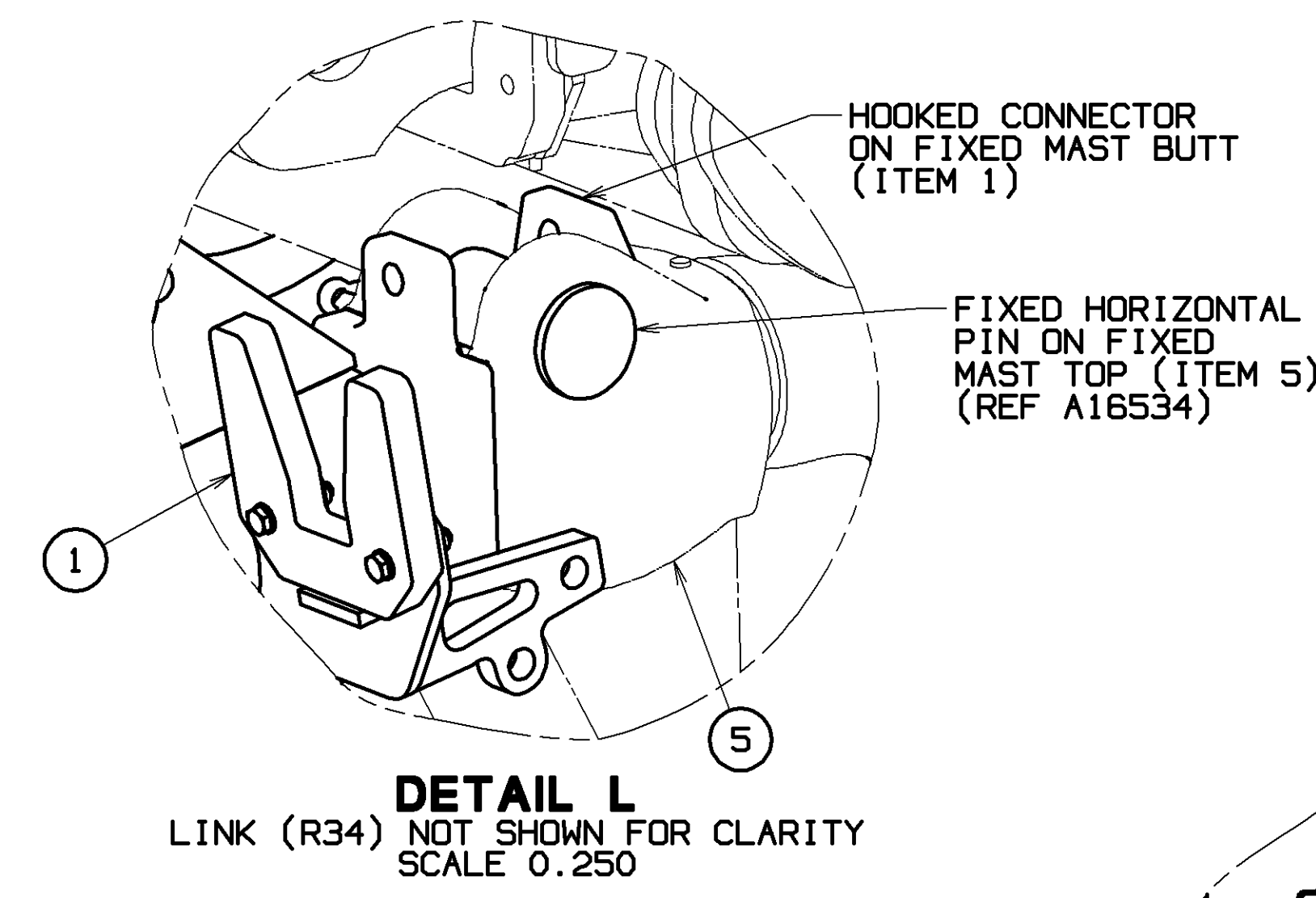
LOWER LIVE MAST TO DETACH HANDLING PENDANTS (R14) FROM THE SELF-ERECT CYLINDER (R39) AND STOW PENDANTS ON MAST BUTT (ITEM 1) AS SHOWN IN DETAIL E ON SHEET 2.
WITH MAST ASSIST ARMS FULLY RAISED, RAISE THE LIVE MAST TO VERTICAL AND SECURE THE SELF-ERECT CYLINDER (R39) IN THE STORED POSITION.
SLOWLY RETRACT THE SELF-ERECT CYLINDER UNTIL THE LINK ARMS FULLY ENGAGE THE STORAGE LUGS.
LOWER THE LIVE MAST UNTIL THE LIVE MAST STRAPS (R10) ARE HANGING VERTICAL OVER THE 12M INSERT (ITEM 2).
STARTING AT FIXED MAST TOP (ITEM 5) AND WORKING TOWARD FIXED MAST BUTT (ITEM 1) CONNECT LINKS TO STRAPS FOR BOTH MAST AND COUNTERWEIGHT. (SEE VIEW A-A ON SHEET 1).
NOTE: THE PIN HEAD MUST FACE OUT AWAY FROM MACHINE &
ALL STRAPS/LINKS ARE TO BE UNPINNED FROM STRAP SUPPORTS.
CHOKE HITCH LIFTING SLINGS (R26 OR R41) TO MAST STRAPS (R10). WHILE FOLLOWING WITH THE ASSIST CRANE,
LOWER THE LIVE MAST AND LIFT THE MAST STRAPS UNTIL THE LIVE MAST IS AT APPROXIMATELY 154°.
CONNECT MAST STRAPS (R10) TO LINKS (R8) ON 12M INSERT (ITEM 2).
REMOVE LIFTING SLINGS FROM MAST STRAPS (R10).



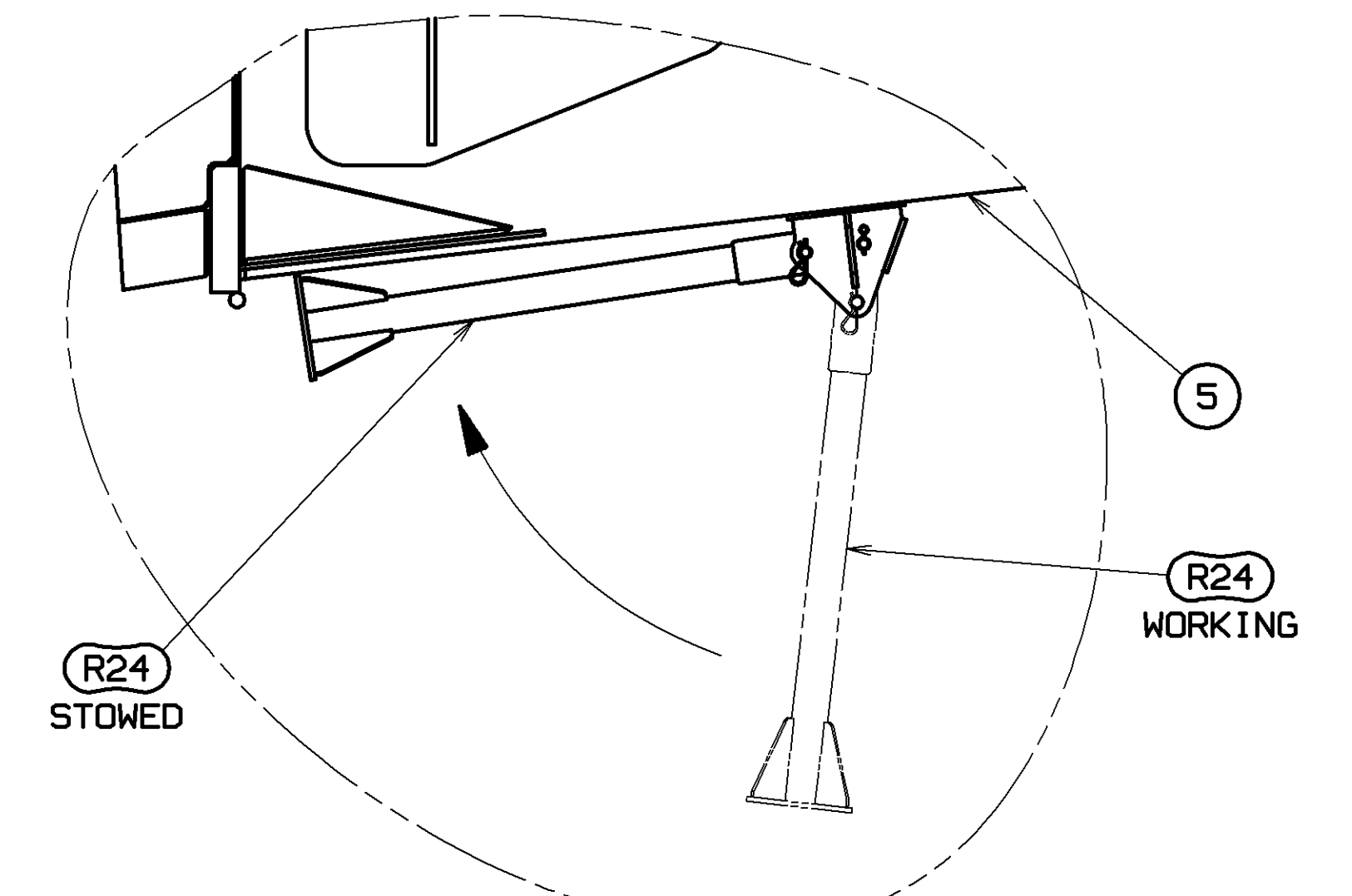
DETAIL J
LINK (R34) NOT SHOWN FOR CLARITY
SCALE 0.100



DETAIL K
SCALE 0.200



DETAIL L
LINK (R34) NOT SHOWN FOR CLARITY
SCALE 0.250

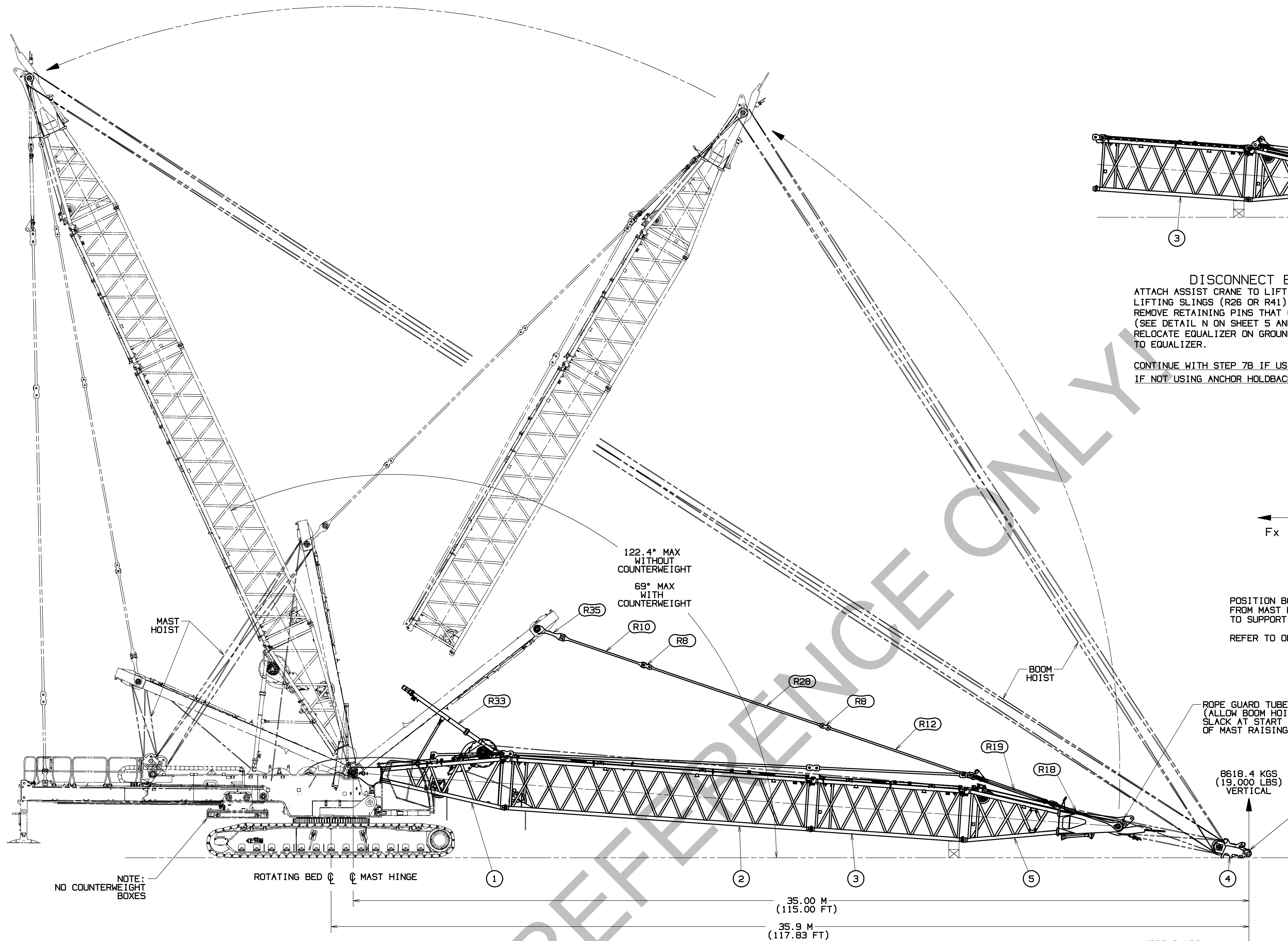


DETAIL M
MAST TOP SUPPORT BRACKET (R24)
SCALE 0.075

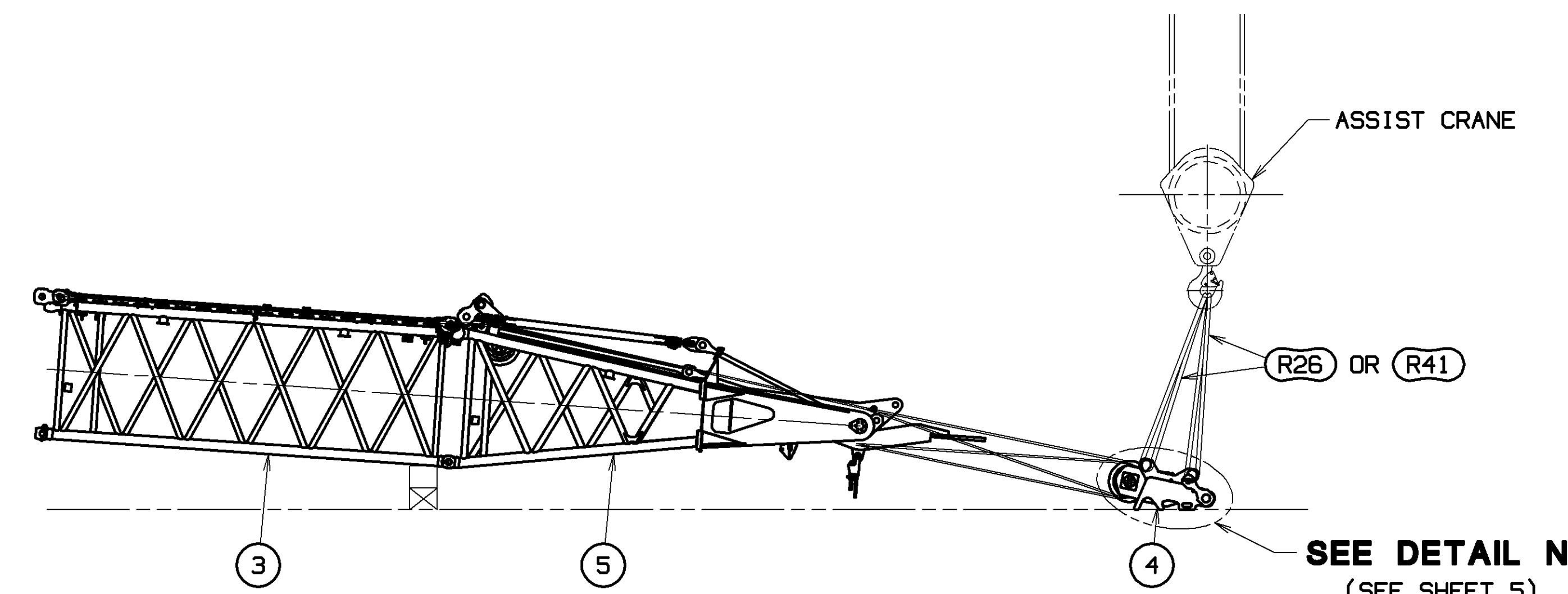
BILL OF MATERIAL				ASSEMBLED USED ON	
QTY	UNIT	DESCRIPTION	LOCATION	MATERIAL	DATE
1	EA	MAST RIGGING			
1	EA	M10:503			

TOLERANCE UNLESS OTHERWISE SPECIFIED		SCALE	0.012	Manitowoc Cranes, Inc.	
DECIMAL PLACES	FRACTIONS	DR	AJB	Manitowoc, Wisconsin	
(1) PLACE 0.0	± 0.12	± 0.18	± 0.05	MODEL MLC300	
(2) PLACE 0.00	± 0.06	± 0.12	± 0.015	APP DLG	
(3) PLACE 0.000	± 0.006	± 0.012	± 0.003		
ANGLES	11°-30'	11°-30'	11°-30'		

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		REV. LTR.	D
		DATE	02-23-16
		REV. LTR.	D
		DATE	02-23-16
		REV. LTR.	D



BILL OF MATERIAL				ASSEMBLIES USED ON
ITEM NO.	DESCRIPTION	QUANTITY	MATERIAL	DATE



STEP 7A

DISCONNECT EQUALIZER FROM MAST TOP
 ATTACH ASSIST CRANE TO LIFTING LUGS ON EQUALIZER (ITEM 4) USING LIFTING SLINGS (R26 OR R41). (SEE DETAIL N ON SHEET 5).
 REMOVE RETAINING PINS THAT CONNECT EQUALIZER TO RAILS ON MAST TOP (ITEM 5). (SEE DETAIL N ON SHEET 5 AND DETAIL C ON SHEET 1).
 RELOCATE EQUALIZER ON GROUND, DETACH SLINGS AND REINSTALL RETAINING PINS TO EQUALIZER.

CONTINUE WITH STEP 7B IF USING ANCHOR HOLDBACK OPTION FOR MAST RAISING/LOWERING. IF NOT USING ANCHOR HOLDBACK, PROCEED TO STEP 8A ON SHEET 5.

$F_y = 8620 \text{ KGS}$
 (19,000 LBS)

$F_x = 14970 \text{ KGS}$
 (33,000 LBS)

ANCHOR HOLDBACK DIAGRAM

POSITION BOOM HOIST EQUALIZER (ITEM 4) AT 35 METERS (115 FT) FROM MAST HINGE PIN AND TIE OFF EQUALIZER (SEE DETAIL N ON SHEET 5) TO SUPPORT LOADS INDICATED ABOVE.

REFER TO OPERATORS MANUAL FOR MAST RAISING PROCEDURE.

STEP 7B OPTIONAL MAST RAISING/LOWERING WITH ANCHOR HOLDBACK

MAST RAISING PROCEDURE
 SUPPORT BOOM HOIST EQUALIZER (ITEM 4) WITH A SUITABLE MEANS TO PREVENT EQUALIZER FROM SKIDDING DURING MAST RAISING. SEE ANCHOR HOLDBACK DIAGRAM.

RAISE MAST WITH MAST HOIST WHILE PAYING OUT BOOM HOIST LINE. (DO NOT ALLOW BOOM HOIST TO GO INTO TENSION AT THIS TIME) ADEQUATE SLACK MUST BE MAINTAINED TO PREVENT BOOM HOIST ROPE FROM BEARING UP AGAINST ROPE GUARD TUBE IN MAST POINT.

WARNING: DO NOT RAISE THE MAST BEYOND 69° IF COUNTERWEIGHT IS INSTALLED WITHOUT ATTACHING BOOM TO MACHINE AND CONNECTING EQUALIZER (ITEM 4) TO BOOM STRAPS. CRANE COULD TIP.

AS MAST APPROACHES VERTICAL, TAKE UP EXCESS SLACK IN BOOM HOIST AND EASE MAST OVER CENTER.

LOWER MAST TO ENGAGE MAST STOPS (R33).

MOVE THE BOOM HOIST EQUALIZER (ITEM 4) TO ONE SIDE OF THE CRANE. USING ASSIST CRANE ASSEMBLE BOOM BUTT, 12M INSERT (81027803) AND 12M EQUALIZER INSERT (81027811) TO MACHINE. (REFER TO DELTA NOTE 8 ON SHEET 1 FOR PROPER LIFTING POINTS AND ATTACHMENT COMPONENTS). RELOCATE MAST EQUALIZER (ITEM 4) ONTO 12M EQUALIZER INSERT (81027811). (SEE STEP 7C).

COUNTERWEIGHT MAY NOW BE ADDED.
 CONTINUE WITH BOOM CLOSING WITH OUTSIDE ASSIST PER STEP 10 ON SHEET 6.

MAST LOWERING PROCEDURE
 BOOM DOWN AND SUPPORT BOOM ON BLOCKING. REMOVE ALL COUNTERWEIGHT.

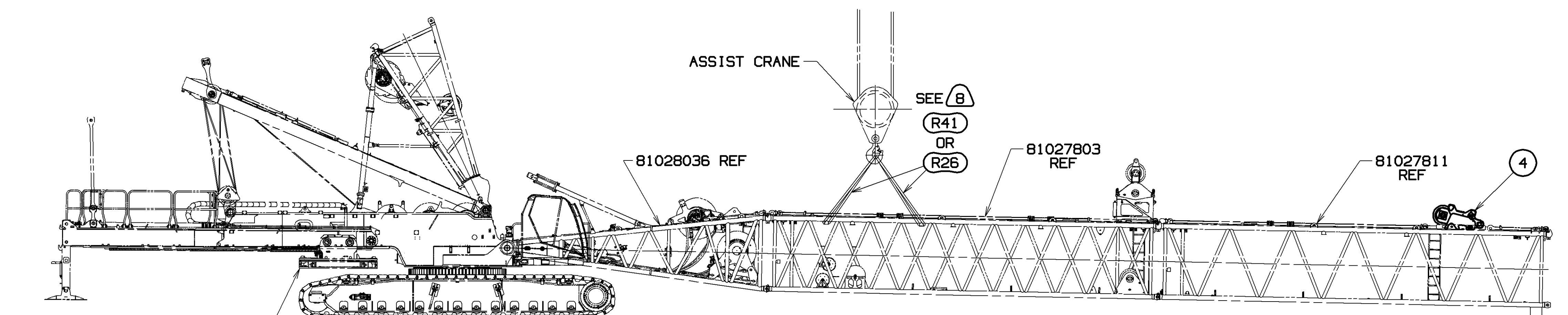
WARNING: DO NOT REMOVE BOOM FROM CRANE WITH COUNTERWEIGHT STILL INSTALLED. CRANE COULD TIP.

RELOCATE BOOM HOIST EQUALIZER (ITEM 4) TO ONE SIDE OF THE BOOM AND REMOVE BOOM WITH ASSIST CRANE.

SUPPORT BOOM HOIST EQUALIZER WITH A SUITABLE MEANS TO PREVENT EQUALIZER FROM SKIDDING DURING MAST LOWERING. SEE ANCHOR HOLDBACK DIAGRAM.

MOVE MAST FORWARD WITH BOOM HOIST WHILE PAYING OUT MAST HOIST ROPE AND EASE MAST OVER CENTER.

LOWER MAST TO BLOCKING WITH MAST HOIST WHILE TAKING UP BOOM HOIST ROPE.



STEP 7C
 SCALE 0.012

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DECIMAL PLACES	1/16"	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"
(1) PLACE	0.00	0.06	0.12	0.18	0.25	0.31	0.37	0.43	0.50	0.56	0.62	0.69	0.75	0.81	0.87	0.94	1.00	1.06	1.12
(2) PLACE	0.00	0.06	0.12	0.18	0.25	0.31	0.37	0.43	0.50	0.56	0.62	0.69	0.75	0.81	0.87	0.94	1.00	1.06	1.12
(3) PLACE	0.000	0.006	0.012	0.018	0.025	0.031	0.037	0.043	0.050	0.056	0.062	0.069	0.075	0.081	0.087	0.094	0.100	0.106	0.112
ANGLES	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°

PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 8629103794 FOR COMPONENTS LISTED IN 86290-06-026

DATE 02-23-16

REF. LIT. D

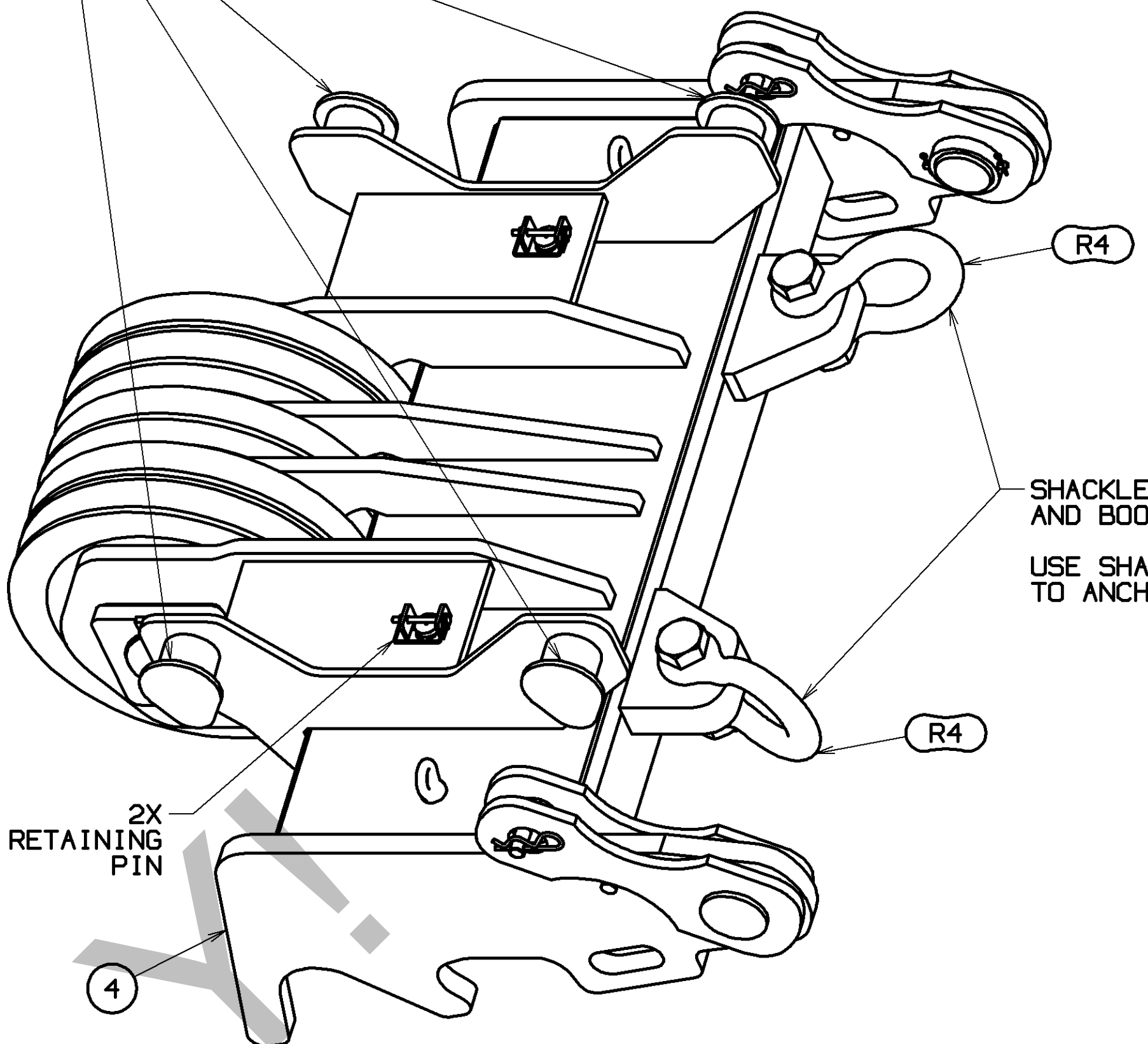
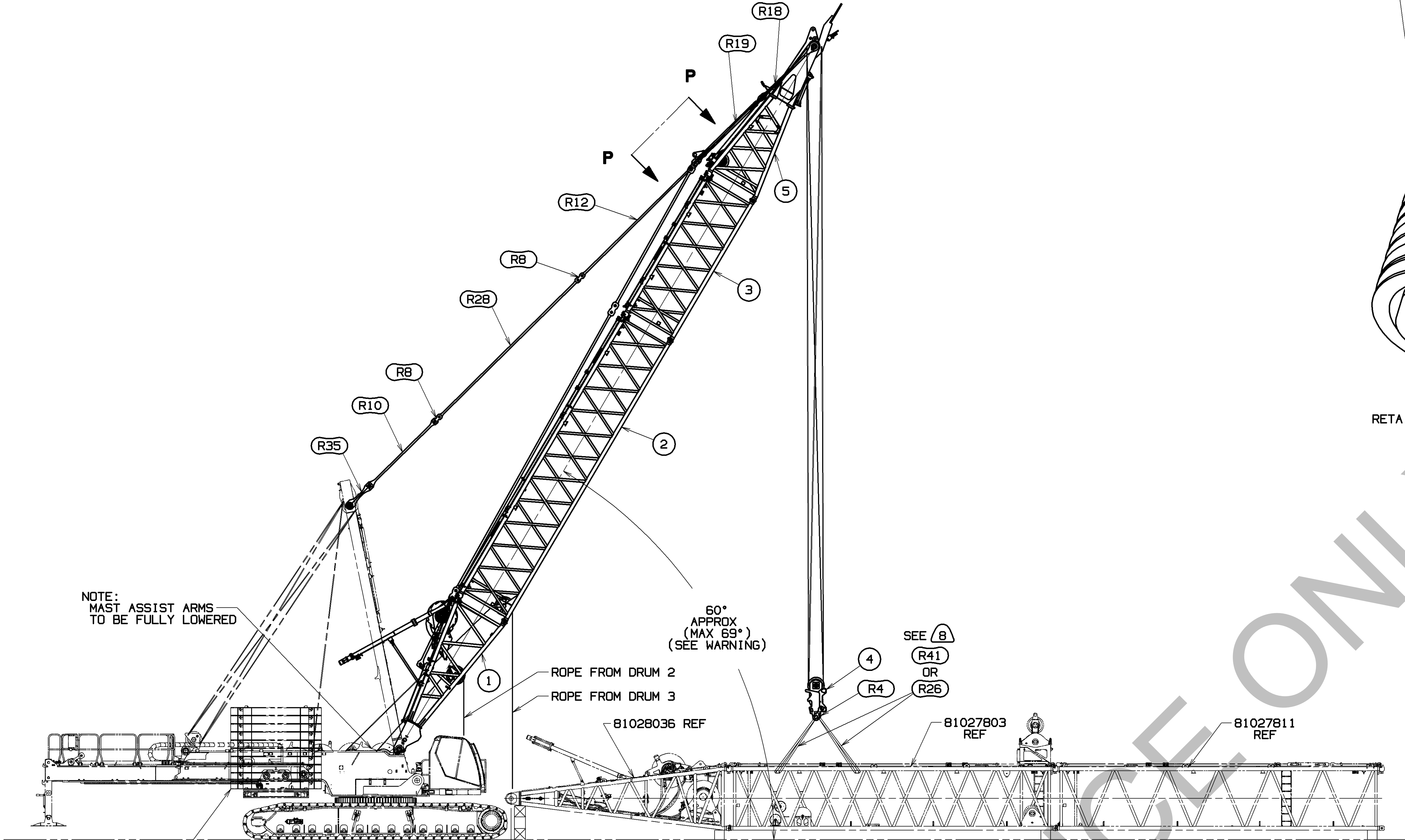
MANITOWOC CRANES, INC.
 Manitowoc, Wisconsin

MODEL MLC300

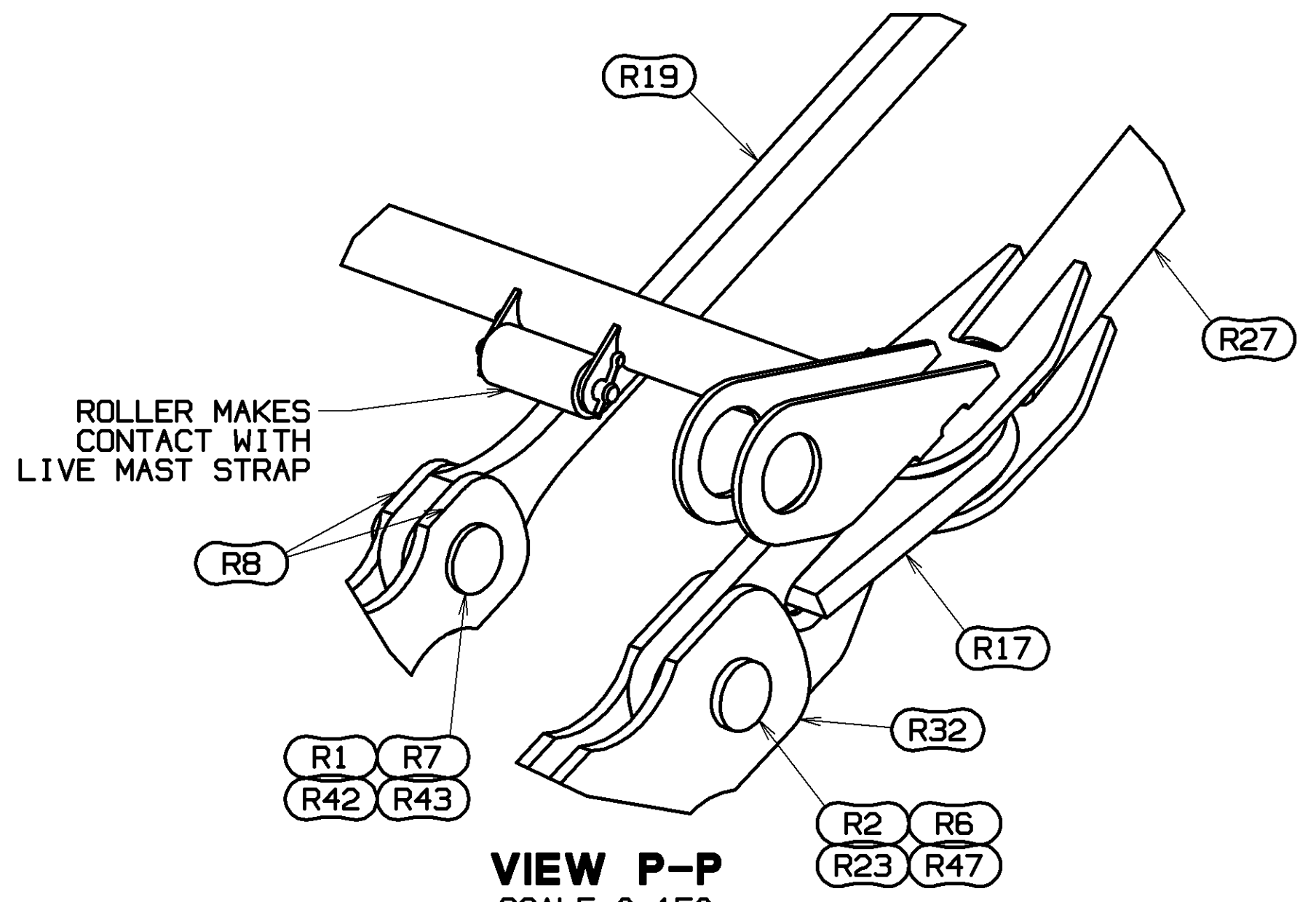
MAST RIGGING
 M10:503

81025690

SLING POSTS FOR LIFTING SLINGS (R26 OR R41)
(SEE STEP 7A)



DETAIL N
(FROM SHEET 4)
SCALE 0.125



VIEW P-P
SCALE 0.150

STEP 8A

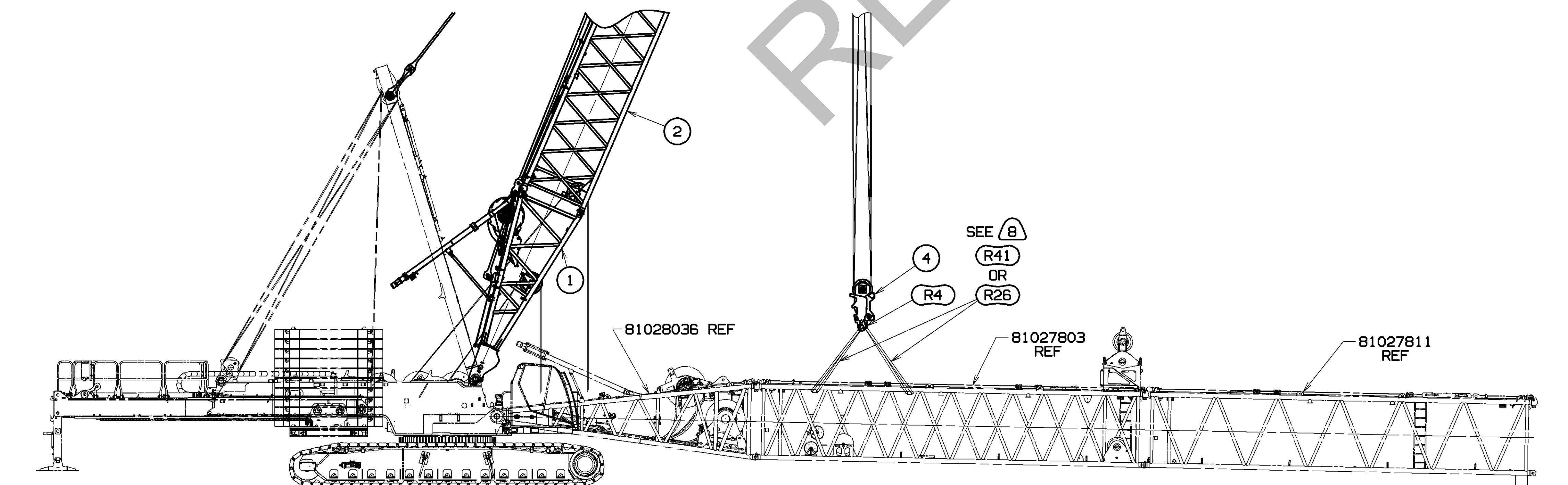
BOOM HANDLING WITH FIXED MAST

(FOR ADDITIONAL BOOM ASSEMBLY INFORMATION REFER TO BOOM RIGGING DRAWING PER CAPACITY CHART)
VERIFY THAT THE MAST ASSIST ARMS ARE FULLY LOWERED.
ASSEMBLE PORTION OF BOOM UP TO EQUALIZER INSERT 81027811.
POSITION FIXED MAST AT APPROXIMATELY 60° FROM HORIZONTAL.

THE COUNTERWEIGHT BOXES ARE TO BE INSTALLED NOW.
NOTE: THE COUNTERWEIGHT TRAY IS TO BE AT THE MINIMUM POSITION.

WARNING: DO NOT RAISE THE MAST BEYOND 69° IF COUNTERWEIGHT IS INSTALLED WITHOUT ATTACHING BOOM TO MACHINE AND CONNECTING EQUALIZER (ITEM 4) TO BOOM STRAPS. CRANE COULD TIP.

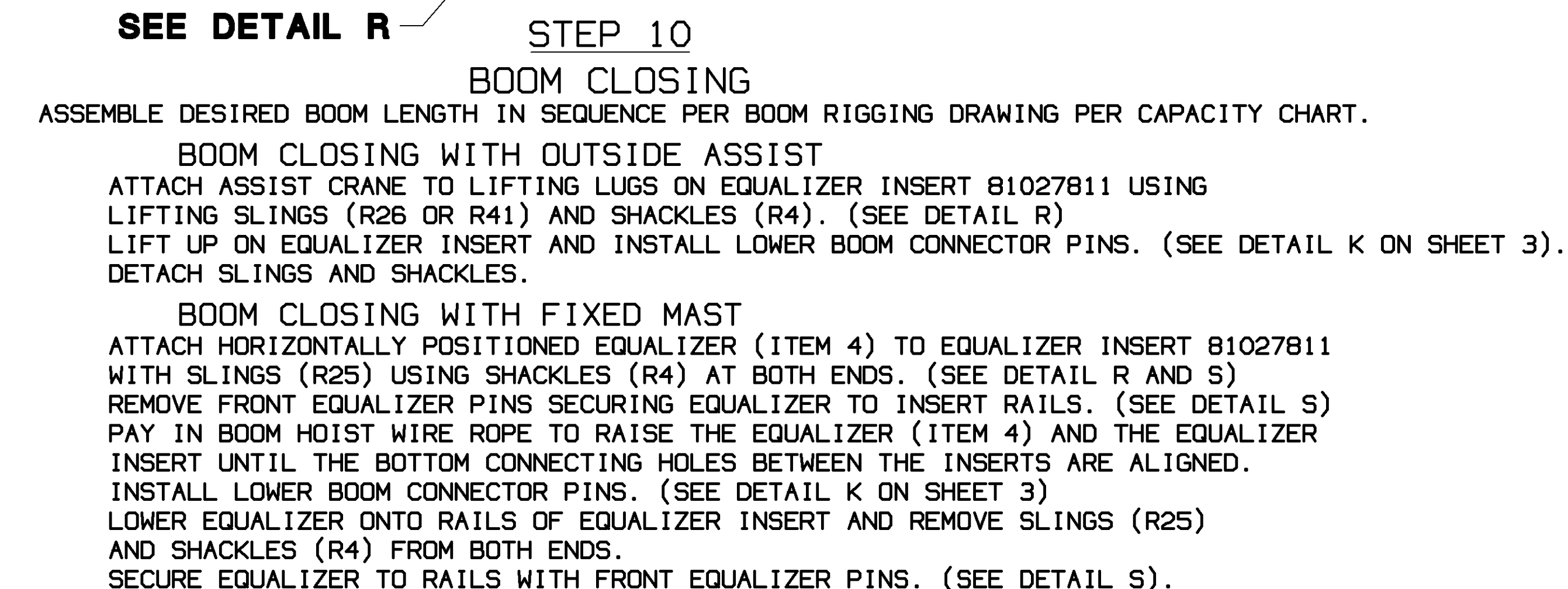
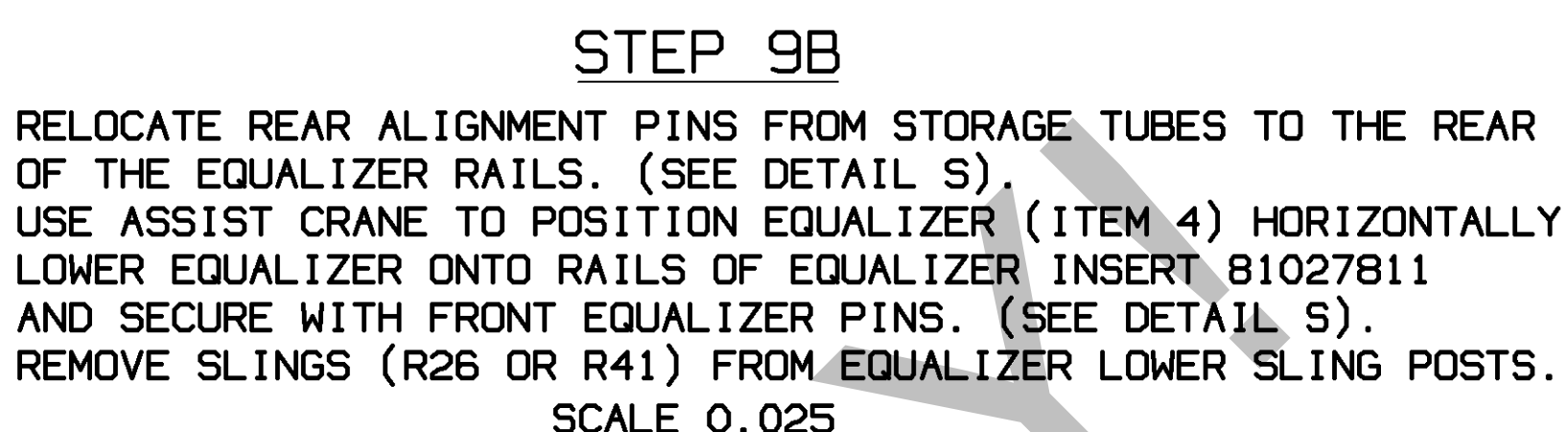
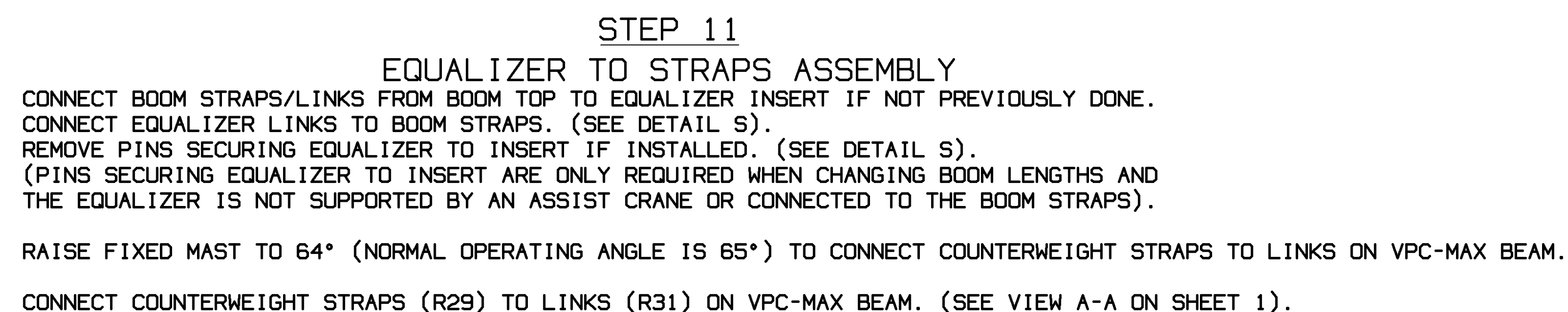
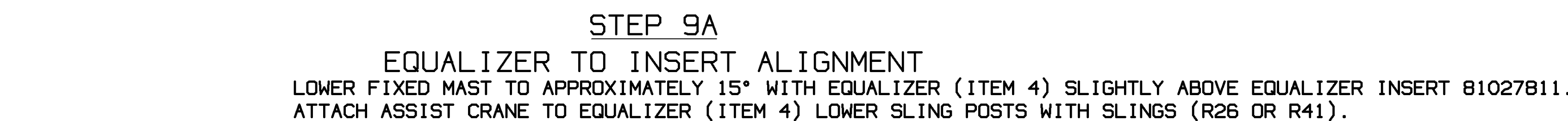
USE (4) SLINGS (R26 OR R41) TO HANDLE THE BOOM WITH THE FIXED MAST.
ATTACH SLINGS WITH SHACKLES (R4) TO EQUALIZER (ITEM 4) (SEE DETAIL N) AND SLING POSTS ON INSERT 81027803.
(REFER TO DELTA NOTE 8 ON SHEET 1 FOR PROPER LIFTING POINTS AND ATTACHMENT COMPONENTS).



STEP 8B

INSTALL PARTIAL BOOM

BOOM UP AND RAISE/LOWER EQUALIZER (ITEM 4) AS NEEDED TO ASSEMBLE BOOM BUTT TO ROTATING BED.
(SEE VIEW P-P FROM STEP 8A FOR LIVE MAST STRAP AND CTWT STRAP CONTACT).
LOWER PARTIAL BOOM ONTO BLOCKING.
DETACH LIFTING SLINGS (R26 OR R41) FROM INSERT 81027803.



1. BOOM DOWN AND SUPPORT BOOM ON BLOCKING.
2. BOOM FIXED MAST 1" TOWARD MAST STOPS AND DISCONNECT MAST COUNTERWEIGHT STRAPS (R29) FROM LINKS (R31) ON VPC-MAX BEAM.
3. REMOVE TENSION FROM MAST HOIST.
4. MOVE MAST FORWARD WITH BOOM HOIST WHILE PAYING OUT MAST HOIST ROPE. LOWER EQUALIZER (ITEM 4) ONTO INSERT RAILS AND SECURE WITH FRONT EQUALIZER PINS. (SEE DETAIL S)
5. DISCONNECT EQUALIZER LINKS FROM STRAPS AND PIN EQUALIZER LINKS INTO STOWAGE POSITION. (SEE DETAIL S)
6. REMOVE BOOM HOIST EQUALIZER (ITEM 4) FROM BOOM AND DISASSEMBLE BOOM.
7. SUPPORT EQUALIZER (ITEM 4) WITH A SUITABLE MEANS TO PREVENT EQUALIZER FROM SKIDDING.
8. LOWER FIXED MAST TO BLOCKING AS REQUIRED WHILE TAKING UP BOOM HOIST LINE.