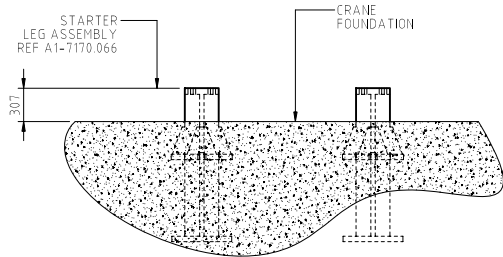
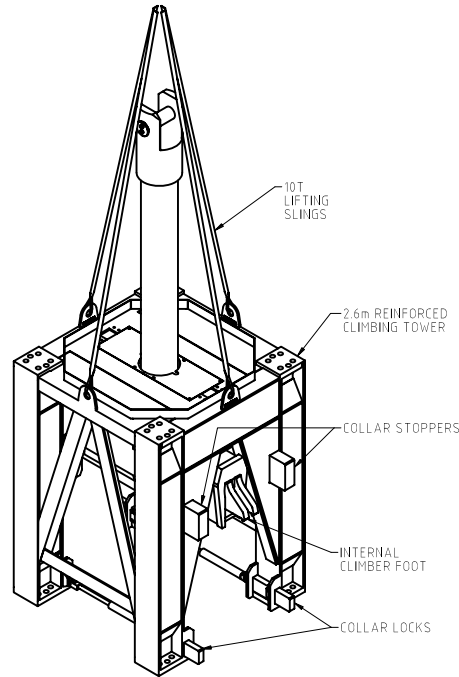


STARTER LEG PLAN - STAGE 1



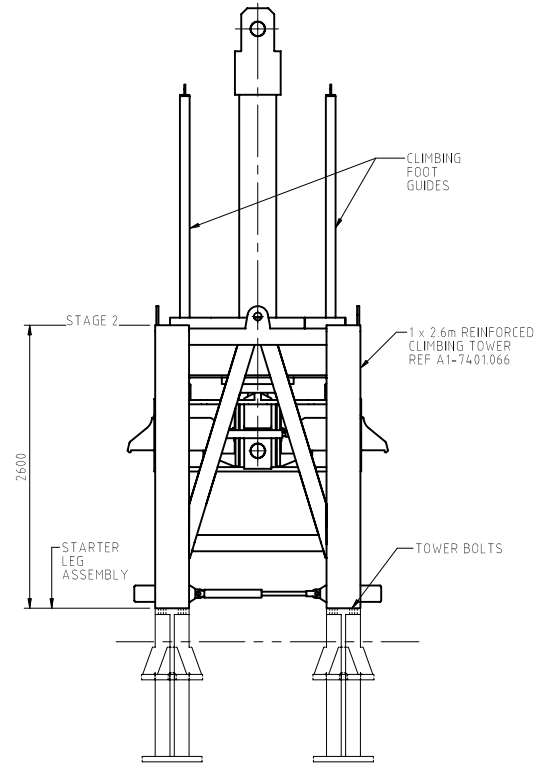
ELEVATION STAGE-1



2.6m CLIMBER TOWER PLACEMENT - STAGE 2

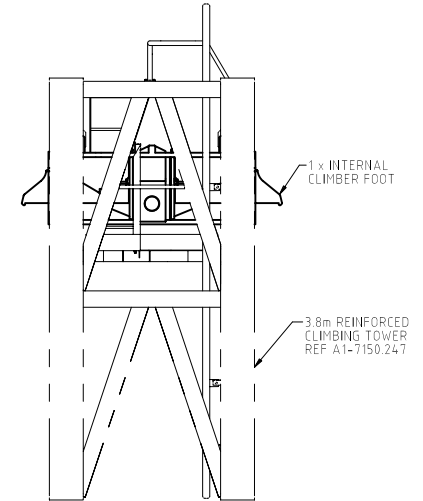
- 2.1 CHECK THAT CLIMBER TOWER IS FULLY ASSEMBLED WITH THE EXCEPTION OF THE CLIMBER FOOT GUIDES PRIOR TO LIFTING; THESE ARE ADDED IN STEP 2.3
- 2.2 SET THE INTERNAL CLIMBER FOOT REF A3-7400.078 STATE TO "ENGAGE LADDER". (SEE SHEET 3)
- 2.3 USING 4 x 4m 10T WLL SLINGS, LIFT THE 2.6m REINFORCED CLIMBING TOWER AND PLACE ON STARTER LEG ASSEMBLY

NOTE: ALL TOWER SECTIONS ARE LIFTED INTO PLACE USING THIS METHOD.



STAGE-2

- 2.4 USE 24 x TOWER BOLTS TO FIX CLIMBING TOWER TO STARTER LEG ASSEMBLY.
- 2.5 ATTACH 2 x CLIMBER FOOT GUIDES REF A3-7401.069 TO CLIMBING TOWER.



3.8m TOWER PLACEMENT - STAGE 3

- 3.1 PRIOR TO ASSEMBLY, ENSURE INTERNAL CLIMBER FOOT (REF A3-7400.078) HAS BEEN ATTACHED TO 3.8m REINFORCED CLIMBING TOWER.
- 3.2 SET THE INTERNAL CLIMBER FOOT STATE TO "DISENGAGE LADDER". (SEE SHEET 3)

NOTES:

1. USE 1-3/4" TOWER BOLTS WHEN REQUIRED; REF A4-7151.066, U.N.O
2. ALL TOWER BOLTS MUST BE TORQUED TO A4-9900.578

	23/07/09	ORIGINAL ISSUE		*	NLS	A
Checked	Date	Description		ECN	Name	Issue
		Favelle Favco Cranes Pty. Ltd.				
		A.B.N. 29 067 562 449				
		A subsidiary of Muhibbah Engineering (M) BHD				
Project		First Used On S/No: 1576				
193 TOWER						
Title		Activity No: 740				
TOWER ERECTION & INT CLIMBING PROCEEDURE						
Drawn By	Checked By	Date Drawn	Scale	Sheet	Weight	Issue
M.J.S		23.07.09	1:25	1 OF 7	-	A
		Approved	Eng Approved	Drawing Number		
		A1-1100.128				

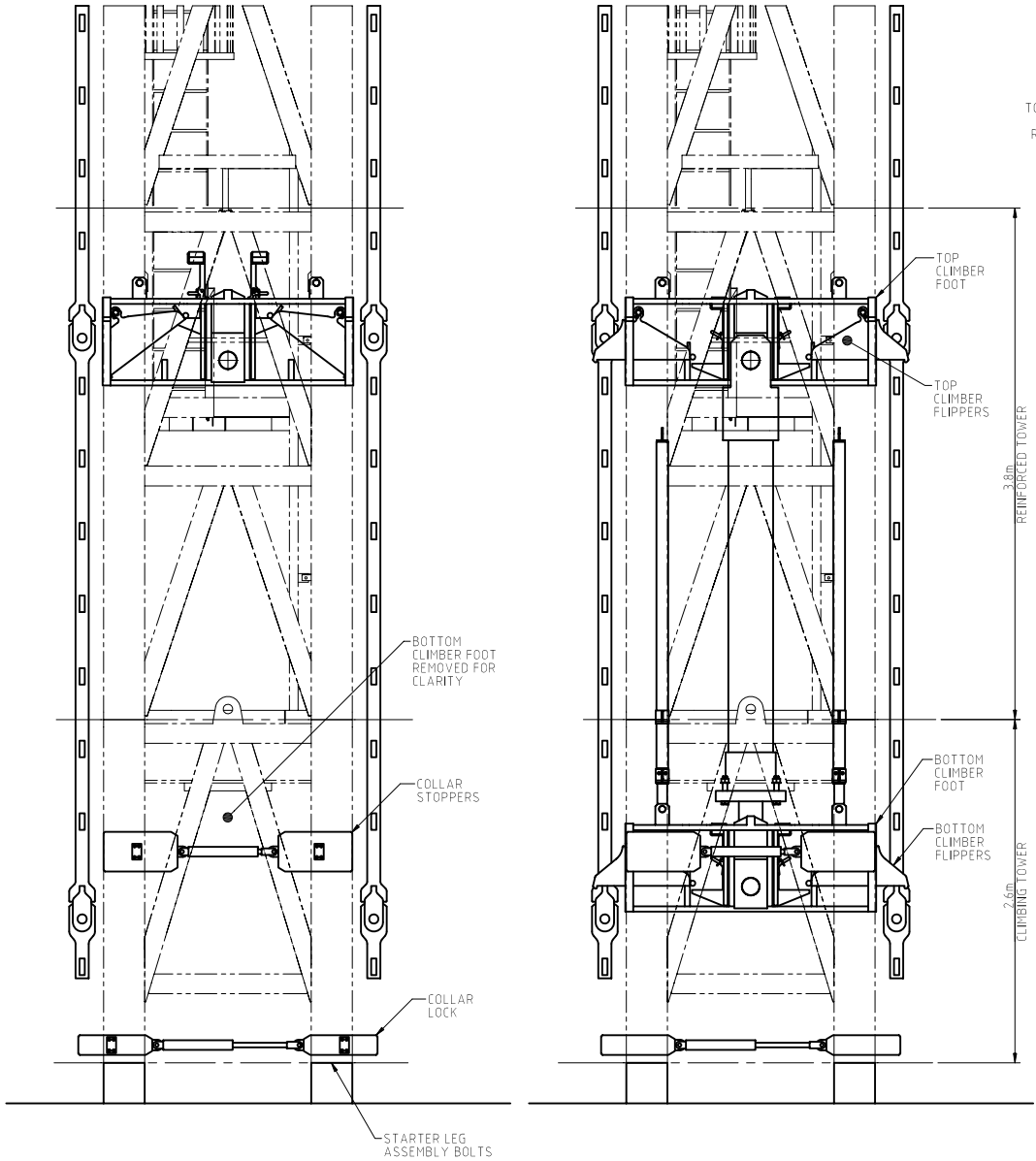
CLIMBING FROM STARTER LEG - STAGE 9

- 9.0.1 CHECK COLLAR LOCK IS EXTEND TO MAXIMUM.
9.0.2 REMOVE STARTER LEG ASSEMBLY BOLTS

NOTE: COLLAR STOPPERS WILL AUTO EXTEND AND RETRACT AS REQUIRED.

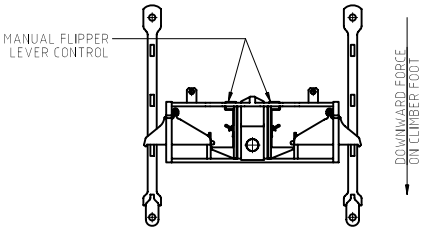
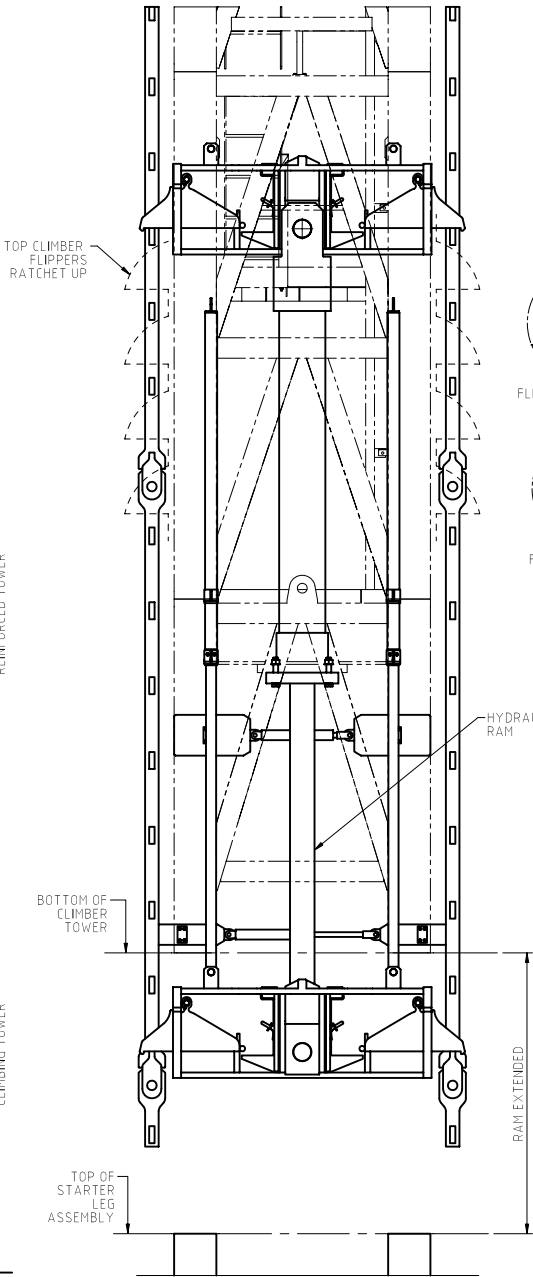
STAGE 9.1

- 9.1.1 TOP AND BOTTOM CLIMBER FEET TO SET TO "ENGAGE LADDERS".



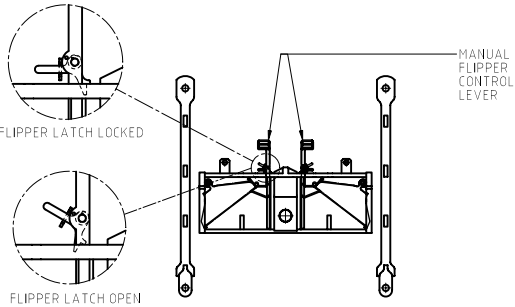
STAGE 9.1

- 9.1.2 EXTEND HYDRAULIC RAM TO CLIMB CRANE.
9.1.3 TOP CLIMBER FLIPPERS WILL RATCHET UP AND ENGAGE LADDER AT COMPLETION OF STROKE.



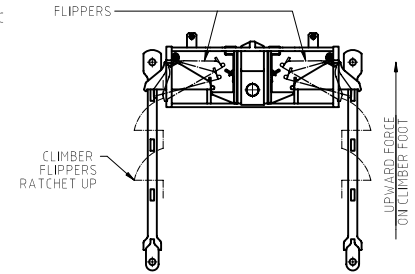
CLIMBER FOOT - ENGAGE LADDER

SCALE NTS
WITH MANUAL FLIPPER CONTROL
LEVER DOWN DURING NORMAL OPERATION,
CLIMBER WILL ENGAGE LADDER WHEN
PROVIDED WITH DOWNWARD FORCE.



CLIMBER FOOT - DISENGAGE LADDER

SCALE NTS
RAISE THE MANUAL FLIPPER LEVER
AND LOCK (USING FLIPPER LATCH)
TO DISENGAGE CLIMBER FROM LADDER
WHEN REQUIRED.



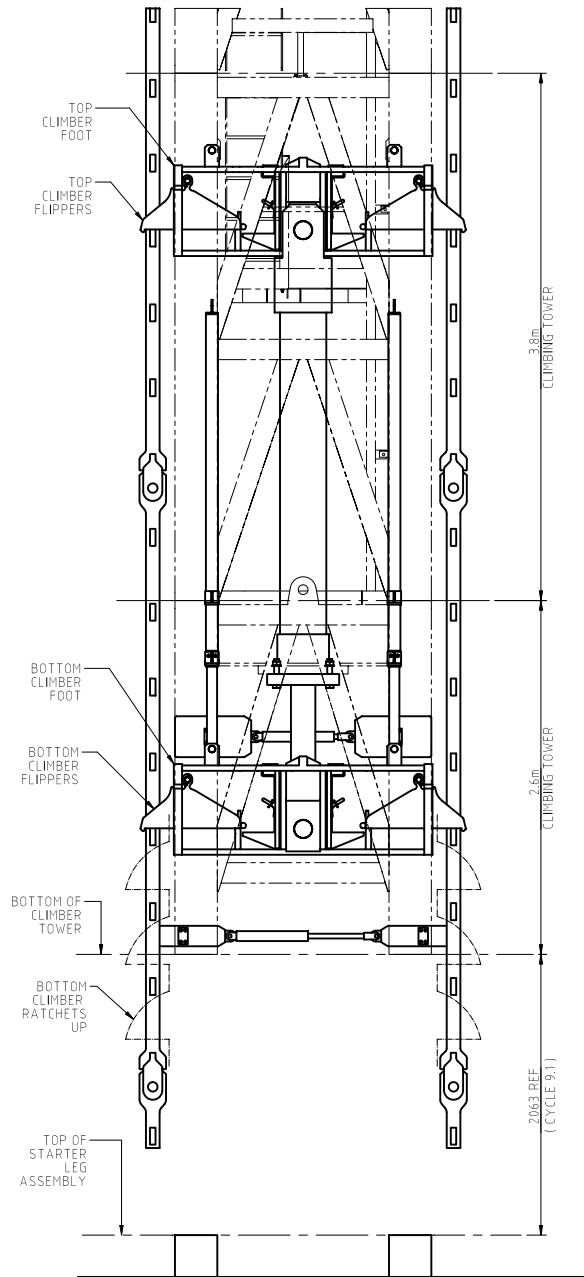
CLIMBER FOOT - RATCHET UP LADDER

SCALE NTS
WITH MANUAL FLIPPER CONTROL
LEVER DOWN DURING NORMAL OPERATION,
CLIMBER WILL RATCHET UP WHEN PROVIDED
WITH UPWARD FORCE.

23/07/09	ORIGINAL ISSUE	-	NLS	A	
Checked	Date	Description	ECN	Name	Issue
FAVELLE FAVCO		Favelle Favco Cranes Pty. Ltd. A.B.N. 29 067 562 449			
A subsidiary of Muhibbah Engineering (M) BHD					
Project		First Used On S/Nb: 1576			
193 TOWER					
Title Activity No: 740					
TOWER ERECTION & INT CLIMBING PROCEEDURE					
Drawn By	Checked By	Date Drawn	Scale	Sheet	Weight
M.J.S		23/07/09	1:20	3 OF 7	A
Approved		Eng Approved	Drawing Number		
		A1-1100.128			

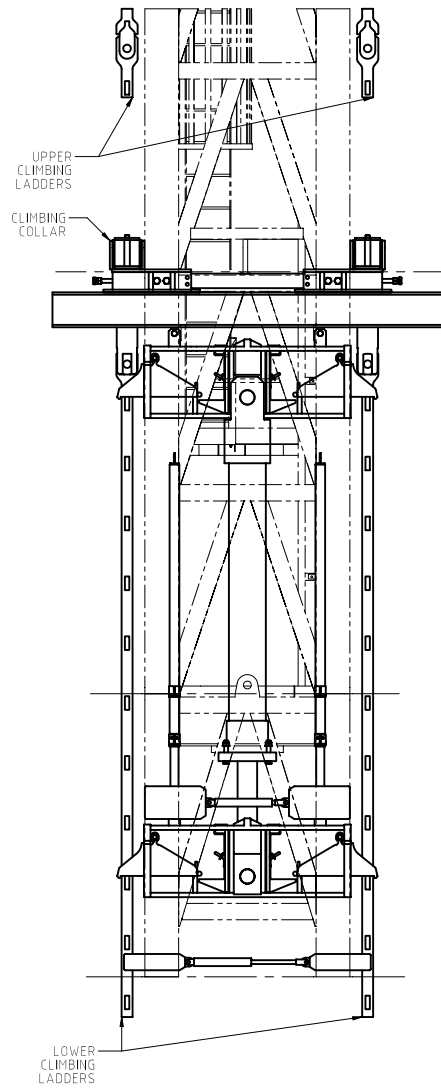
STAGE 9.1

- 9.1.4 RETRACT HYDRAULIC RAM TO MINIMUM STROKE.
9.1.5 BOTTOM CLIMBER FLIPPERS WILL RATCHET UP
AND ENGAGE LADDER AT, OR NEAR COMPLETION
OF MINIMUM STROKE.
CYCLE 9.1 COMPLETE



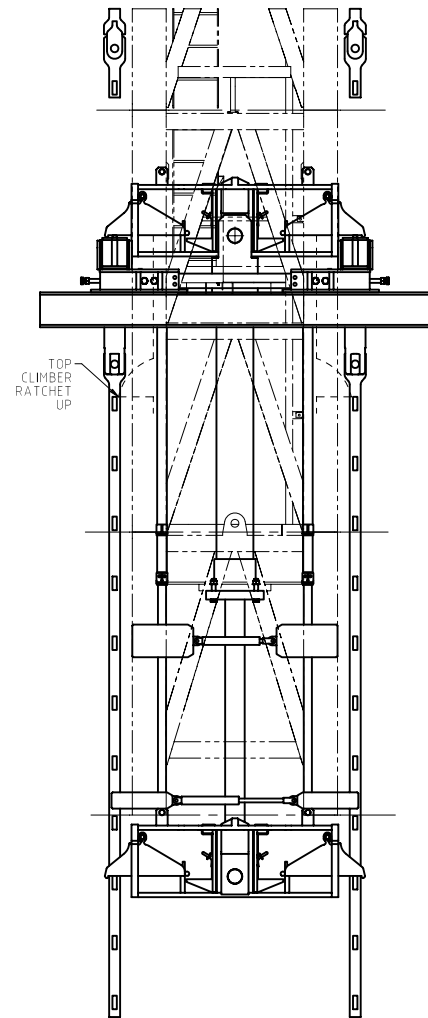
CLIMB TO COLLAR - STAGE 9.2

- 9.2 REPEAT CYCLE 9.1 UNTIL TOP CLIMBER
FOOT HAS ENGAGED THE TOP LADDER RUNG
DIRECTLY BELOW CLIMBING COLLAR.
(SHOWN BELOW)



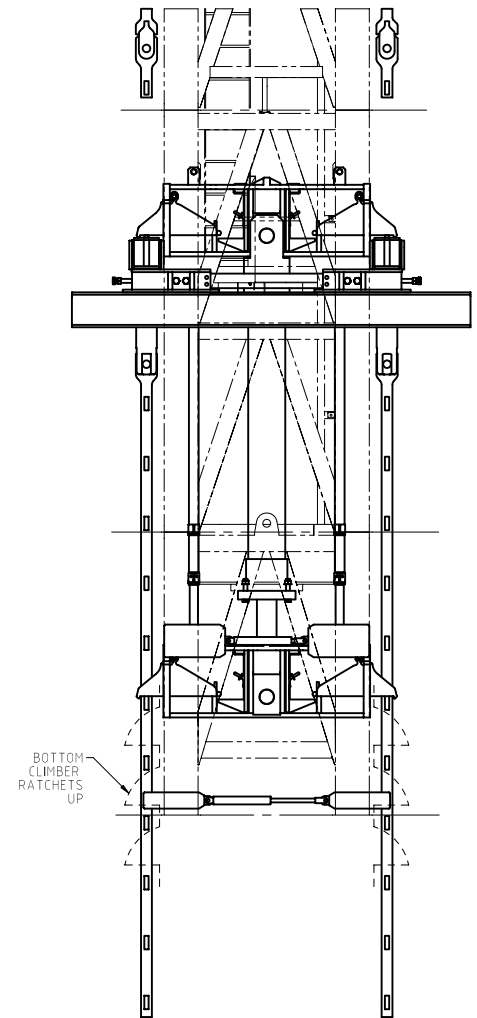
CLIMB THROUGH COLLAR - STAGE 9.3

- 9.3.1 EXTEND HYDRAULIC RAM TO CLIMB CRANE
9.3.2 TOP CLIMBER FLIPPERS RATCHET UP TO
ENGAGE COLLAR AT OR NEAR COMPLETION
OF MAXIMUM STROKE.



STAGE 9.3

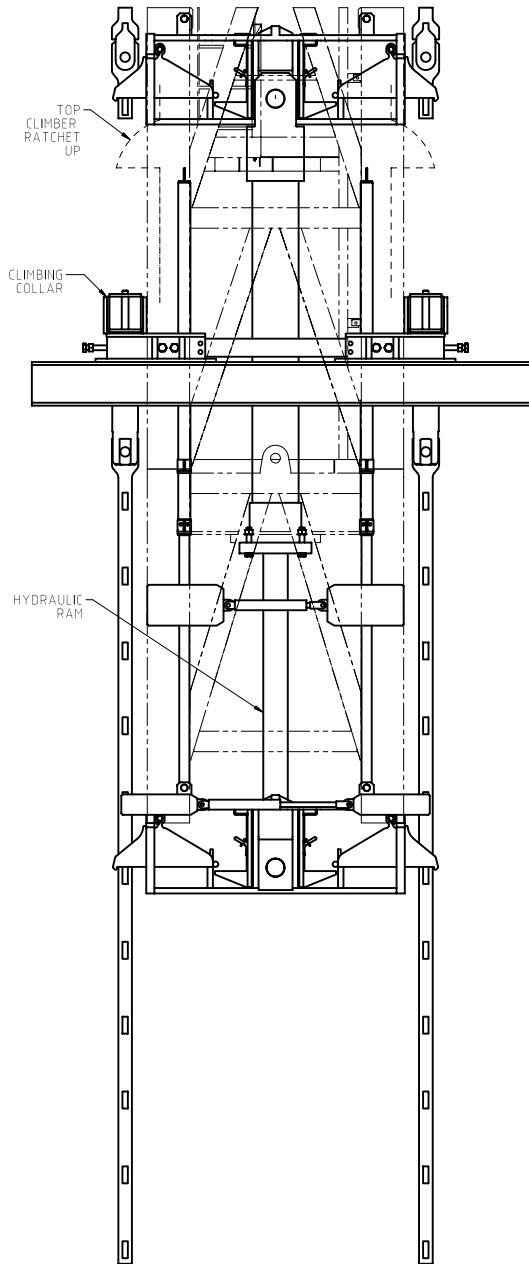
- 9.1.3 RETRACT HYDRAULIC RAM TO MINIMUM STROKE.
9.1.4 BOTTOM CLIMBER FLIPPERS WILL RATCHET UP
AND ENGAGE LADDER AT, OR NEAR COMPLETION
OF MINIMUM STROKE.
CYCLE 9.3 COMPLETE



	23/07/09	ORIGINAL ISSUE		*	NLS	A
Checked	Date	Description	ECN	Name	Issue	
		Favelle Favco Cranes Pty. Ltd. A.B.N. 29 067 562 449				
		A subsidiary of Muhibbah Engineering (M) BHD				
Project		193 TOWER				
		First Used On S/No. 1576				
Title		Activity No. 740				
TOWER ERECTION & INT CLIMBING PROCEDURE						
Drawn By	Checked By	Date Drawn	Scale	Sheet	Weight	Issue
M.J.S		23.07.09	-	4 OF 7	-	A
		Approved	Eng Approved	Drawing Number		
		A1-1100.128				

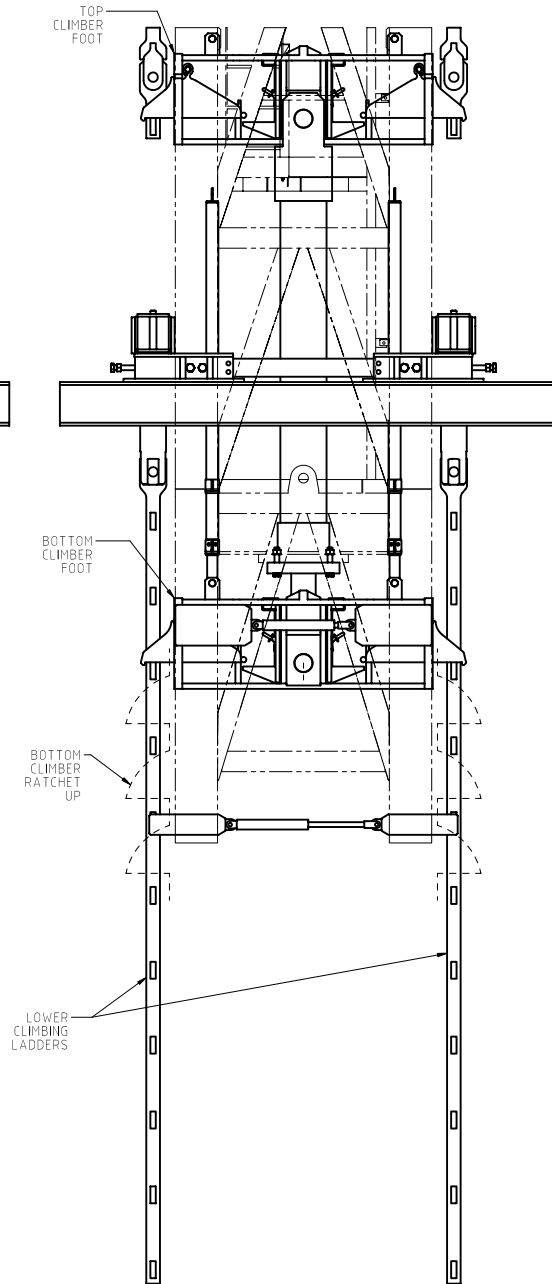
STAGE 9.4

- 9.4.1 EXTEND HYDRAULIC RAM TO CLIMB CRANE.
9.4.2 TOP CLIMBER FLIPPERS RATCHET UP TO ENGAGE 1ST RUNG OF UPPDER CLIMBING LADDER.



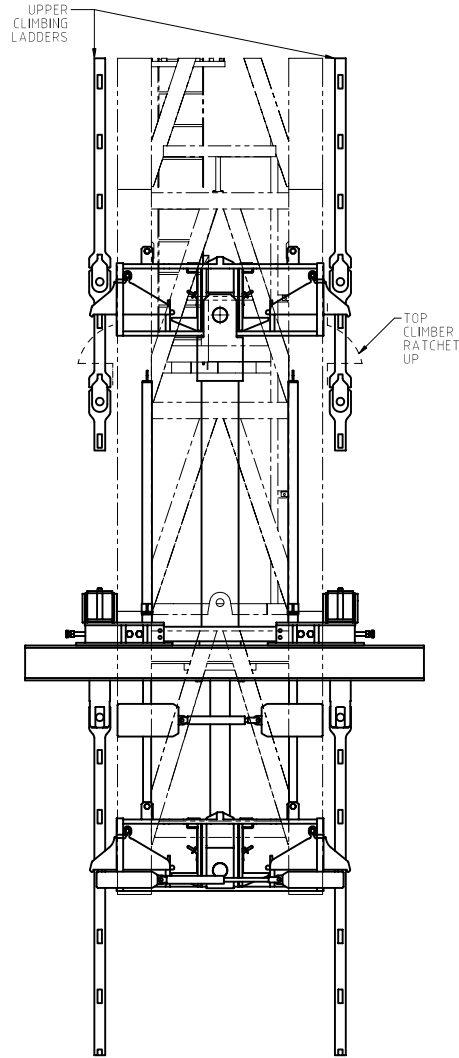
STAGE 9.4

- 9.1.3 RETRACT HYDRAULIC RAM TO MINIMUM STROKE.
9.1.4 BOTTOM CLIMBER FLIPPERS WILL RATCHET UP AND ENGAGE LADDER AT, OR NEAR COMPLETION OF MINIMUM STROKE.
CYCLE 9.4 COMPLETE



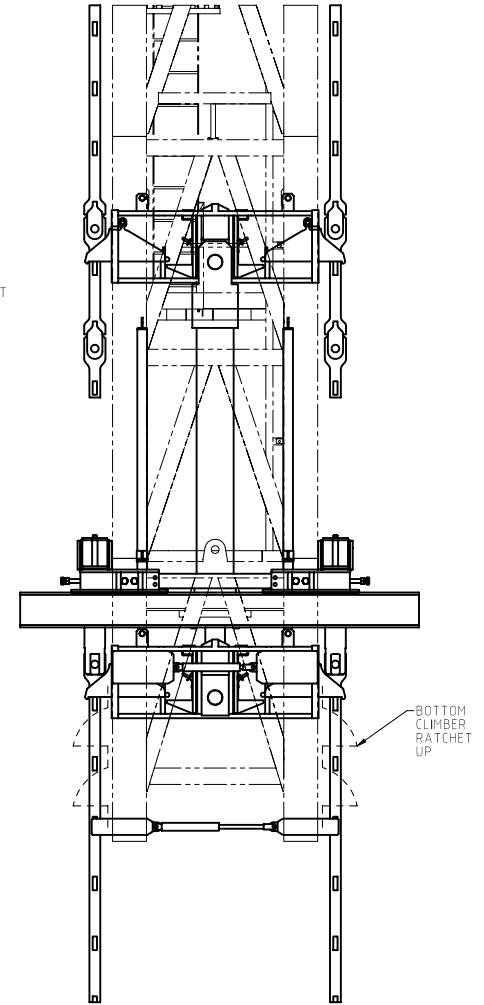
STAGE 9.5

- 9.5.1 EXTEND HYDRAULIC RAM TO CLIMB CRANE.
9.5.2 TOP CLIMBER FLIPPERS WILL RATCHET UP AND ENGAGE LADDER AT OR NEAR COMPLETION OF MAXIMUM STROKE.



STAGE 9.5

- 9.5.3 RETRACT HYDRAULIC RAM TO MINIMUM STROKE.
9.5.4 BOTTOM CLIMBER FLIPPERS WILL RATCHET UP AND ENGAGE LADDER AT, OR NEAR COMPLETION OF MINIMUM STROKE ON THE TOP RUNG OF THE BOTTOM CLIMBING LADDER.
CYCLE 9.5 COMPLETE



	23/07/09	ORIGINAL ISSUE	•	NLS	A
Checked	Date	Description	ECN	Name	Issue
FAVELLE FAVCO Favelle Favco Cranes Pty. Ltd. A.B.N. 29 067 562 449 A subsidiary of Muhibbah Engineering (M) BHD					
Project		First Used On S/No: 1576			
193 TOWER		Activity No: 740			
TOWER ERECTION & INT CLIMBING PROCEEDURE					
Drawn By	Checked By	Date Drawn	Scale	Sheet	Weight
M.J.S		23.07.09	-	5 OF 7	-
Approved		Eng Approved	Drawing Number		
			A1-1100.128		

