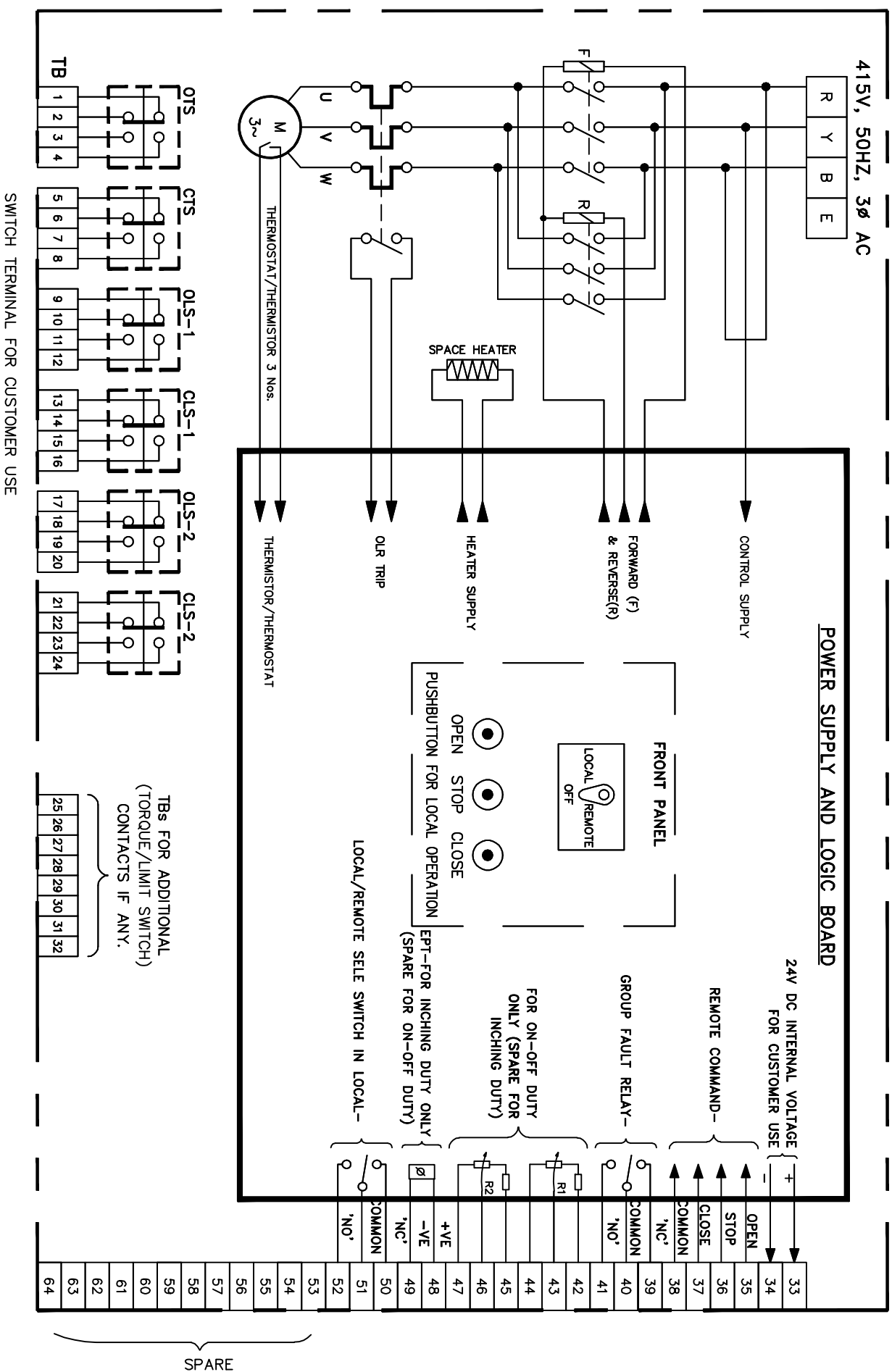




CONTACT DEVELOPMENT DIAGRAM				
OTS	1-2	OPEN AT OVER TORQUE DURING OPENING TRAVEL		
	3-4	CLOSE AT OVER TORQUE DURING OPENING TRAVEL		
CTS	5-6	OPEN AT OVER TORQUE DURING CLOSING TRAVEL		
	7-8	CLOSE AT OVER TORQUE DURING CLOSING TRAVEL		
OTS-1	9-10			
	11-12			
CTS-1	13-14			
	15-16			
OTS-2	17-18			
	19-20			
OTS-2	21-22			
	23-24			
SWITCH	TERMINAL NO	PULL OPEN	INTERMEDIATE	PULL CLOSE
		q	b	
		VALVE POSITION		
_____ INDICATES CONTACT CLOSED _____ INDICATES CONTACT OPEN CONTACT RATING: 5A AT 250V AC & 0.5A AT 220V DC				

- NOTE
1. ALL TORQUE AND LIMIT SWITCHES (OTS,OTS,OLST,CLST) ARE WITH 2NO+2NC CONTACTS
'NO+1NC' IS TERMINATED IN TBS 1-1-16, REMAINING CONTACTS ARE FOR INTERNAL USE.
ANY SPARE CONTACTS WHICH ARE NOT USED INTERNALLY ARE TO BE TERMINATED IN TBS 22-32-32
 2. NOT USED INTERNALLY ARE TO BE TERMINATED IN TBS 23-38
 2. CTS - TORQUE SWITCHES FOR CW ROTATION (CLOSE).
 3. OTS - TORQUE SWITCHES FOR CCW ROTATION (OPEN).
 4. OLST-1 - LIMIT SWITCHES FOR POSITION OPEN.
 5. CLST-1 - LIMIT SWITCHES FOR POSITION CLOSE.
 6. EPT - ELECTRONIC POSITION TRANSMITTER
- (FOR INCHING DUTY)
7. FOR COMMANDS & EPT EITHER INTERNALLY GENERATED 24V DC OR EXTERNAL SUPPLY OF 24V DC CAN BE USED.
 8. M - MOTOR 3 ϕ 415V 50 Hz AC SUPPLY.
 9. NO. AND SIZE OF CABLE GLANDS/PLUG AND SOCKETS:
 - (i) POWER CABLE GLAND - 1No.
 - (ii) CONTROL CABLE GLAND - 3 Nos. SUITABLE FOR CONTROL CABLE (OD-MAX.-18.5 mm-FRS OUTER SHEATH CABLE.)
 10. CONTACT RATING : 5A AT 240V AC, 0.5A (INDUCTIVE) AT 220V DC
 11. LIMIT SWITCHES CAN BE ADJUSTED TO SET 0-100% POSITION OF DAMPER

REV	DATE	ALTERED										
	CHECKED											
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PROJECT			ELECTRIC ACTUATORS (AC) WITH INTEGRAL STARTERS AND PLUG & SOCKET (DRAWN FOR INTERMEDIATE POSITION OF DAMPERS/GATE)									
			BHARAT HEAVY ELECTRICALS LIMITED BOILER AUXILIARIES PLANT RANIPET-632 406									
DEPT	ECI	GRADE OF UNTOOL DIM	C / M / F		SCALE	N T S	WEIGHT (KG)	—	REF. TO ASSY/OLD DRG.	mm	NO. OF ITEMS	REV
TITLE	CODE	9778										
WIRING DIAGRAM (TERMINAL PLAN) FOR ELECTRIC ACTUATOR WITH INTEGRAL STARTER												
CARD CODE			DRAWING NO.						REV			
			3-57-577-90135						00			