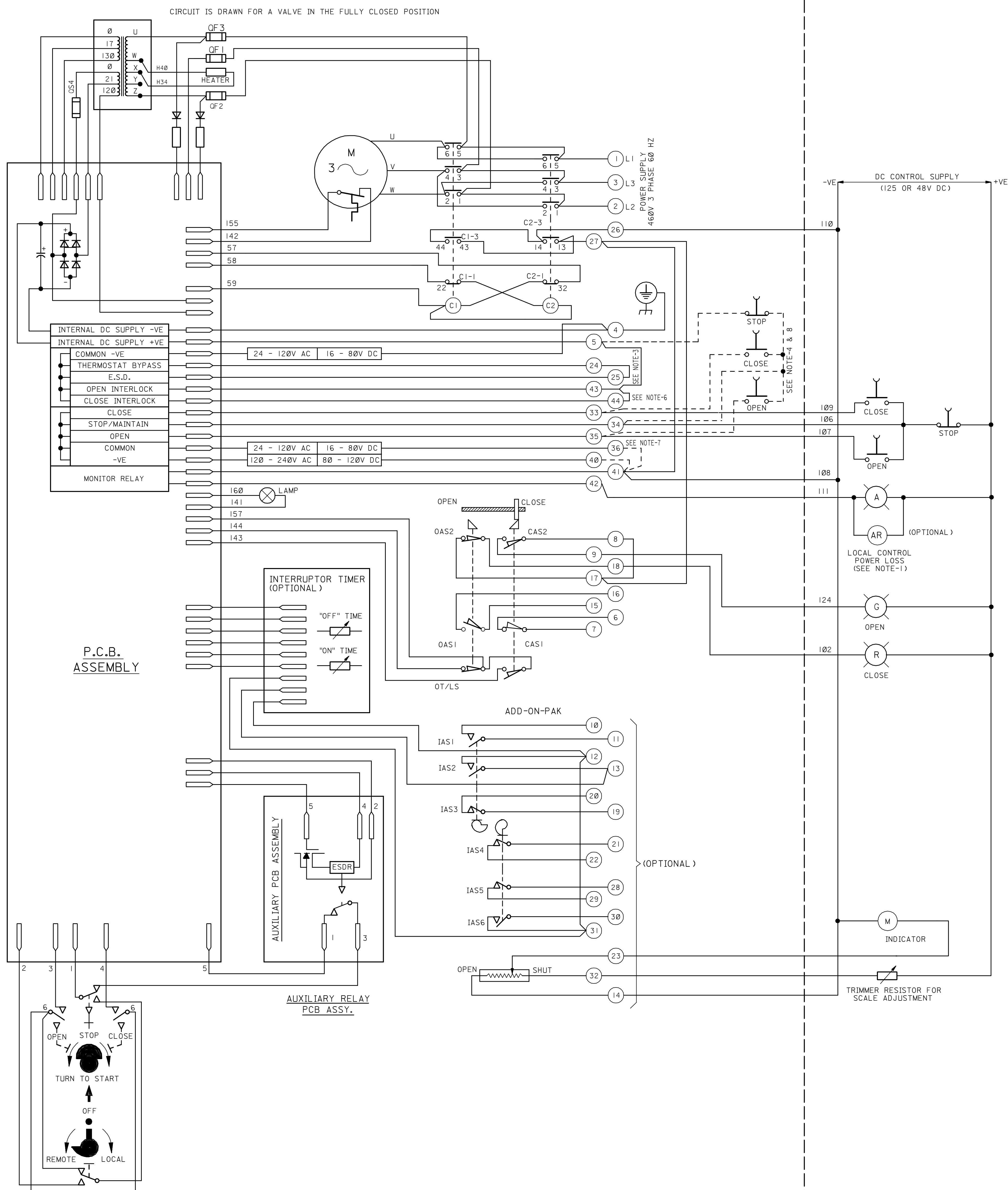




DC CONTROL	POTENTIOMETER	TRIMMER	VOLTMETER	SCALE
50V	1 K OHM 25W	600 OHM 1W	0-30V	0-100% LINEAR
125V	5 K OHM 3.125W	1250 OHM 1W	0-100V	0-100% LINEAR

TORQUE AND LIMIT SWITCH OPERATION			
SWITCH	OPEN	INTER	SHUT
OT/LS			
CT/LS			
CASI			
CAS2			
OASI			
OAS2			

— INDICATES SWITCH CLOSED

ADD ON PAK		SWITCH OPERATION	
SWITCH	OPEN	INTER	SHUT
IAS1			
IAS2			
IAS3			
IAS4			
IAS5			
IAS6			

a' (SEE NOTE-5) 'b

NOTES:

1. LAMP "ON" WHEN VALVE CANNOT BE CONTROLLED THROUGH THIS PANEL (BECAUSE SELECTOR SWITCH AT VALVE IS IN "LOCAL" OR "OFF" POSITION OR LOSS OF LOCAL CONTROL POWER AT VALVE.
2. THIS DRAWING CORRESPONDS WITH ROTORK DRW WD05285 & WD05286 FOR SINGLE SPEED AND DRW WD05287 FOR DUAL SPEED.
3. FOR ESD SERVICE, SIGNAL OF MAXIMUM 80V DC OR 120V AC TO BE CONNECTED TO ACTUATOR TERMINAL 25 WHICH OVERRIDES SELECTOR SWITCH AND LOCAL STOP BUTTON. SELECTION OF OPEN OR CLOSE ON ESD IS MADE AT ACTUATOR PCB. MOTOR PROTECTION SHALL BE JUMPERED AT ACTUATOR TERMINALS 24 AND 25.
4. REMOTE CONTROL MAY BE FED AT 24V DC FROM TERMINAL 5, WITH 4 & 36 LINKED.
5. THE TRIPPING POINTS "a" AND "b" ARE ADJUSTABLE.
6. INHIBIT INTERLOCKS, CONNECT IN PLACE OF STANDARD LINKS AS FOLLOWS:
CLOSE-BETWEEN TERMINALS 5 AND 44
OPEN-BETWEEN TERMINALS 5 AND 43
7. FOR 48V DC REMOTE CONTROL SUPPLY CONNECT -VE TO TERMINAL 36.
FOR 125V DC REMOTE CONTROL SUPPLY CONNECT -VE TO TERMINAL 40.
8. FOR "OPEN" & "CLOSE" NON MAINTAINING REMOTE CONTROL, REMOVE FEED TO ACTUATOR TERMINAL 34.
9. THIS DRAWING IS A REPRODUCTION OF UNAPPROVED STANDARD DRAWING NO. # AA-036130 SHEET 001.

LEGEND:

- O - OPEN
 C - CLOSE
 C1 & C2 - CONTACTOR
 C1₁ & C2₁ - CONTACTOR INTERLOCK
 C1₃ & C2₃ - CONTACTOR AUXILIARY
 T/LS - TORQUE LIMIT SWITCH
 AS1 - AUXILIARY LIMIT SWITCH MAKE
 CONTACT AT END OF TRAVEL
 AS2 - AUXILIARY LIMIT SWITCH BREAK
 CONTACT AT END OF TRAVEL
 SPARE TERMINAL NOS. 37, 38 & 39
 □ - LINK SUPPLIED BY ROTORK
 FUSES OF1, OF2, OF3, OF4 500ma
 WIRES ARE IDENTIFIED AT EACH END BY
 TERMINAL NO. OR BY WIRE NO. SHOWN
 IAS1/2/3 - ADJUSTABLE TO OPERATE TOGETHER
 AT ANY POSITION (DRAWN AS FOR EXTRA
 OPEN AUXILIARY)
 IAS4/5/6 - ADJUSTABLE TO OPERATE TOGETHER
 AT ANY POSITION (DRAWN AS FOR EXTRA
 CLOSE AUXILIARY)

TYPICAL INSTALLATION DRAWING

SAUDI ARABIAN OIL COMPANY

DRAWN BY ROBERT CHECKED BY _____ SCALE: NONE

DATE STARTED 06-07-89 DATE COMPLETED 06-10-89

OPR'G. DEPT. _____ ENG. DEPT. _____

APP'D. FOR CONST. _____

THIS DRAWING IS NOT TO BE USED FOR
CONSTRUCTION OR FOR ORDERING
MATERIAL UNTIL CERTIFIED AND DATED

CERTIFIED
BY _____ DATE _____

ELEMENTARY DIAGRAM

FOR ROTORK 1600 ACTUATOR

STD. DWG.	METRIC
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PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	J	AA-036130	001	00