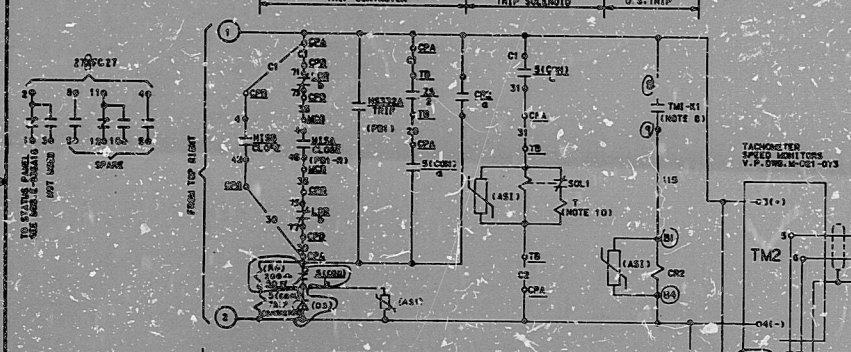
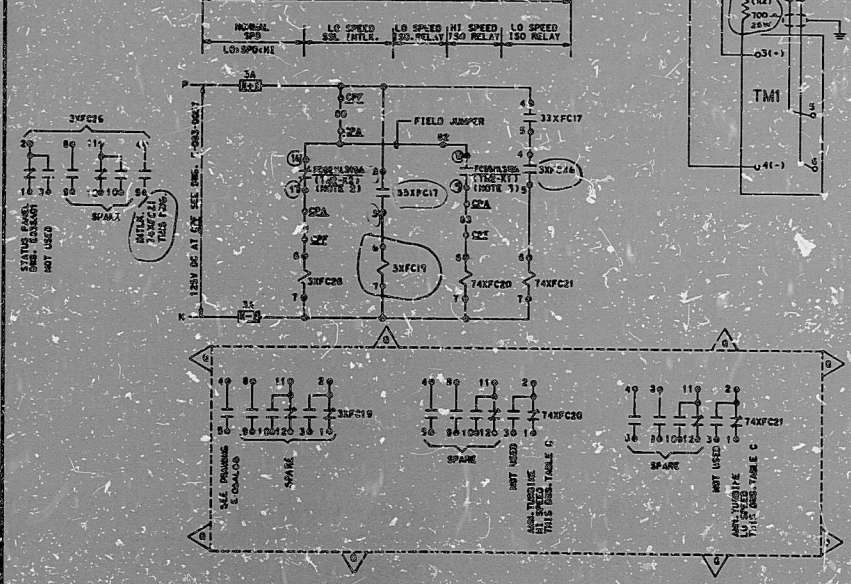


CONTACT	POSITION	FUNCTION
1-2	OPEN	TRIP INDICATION
3-4	CLOSE	TRIP INDICATION
5-6	TRIP	TRIP INDICATION
7-8	TRIP	TRIP INDICATION
9-10	TRIP	TRIP INDICATION

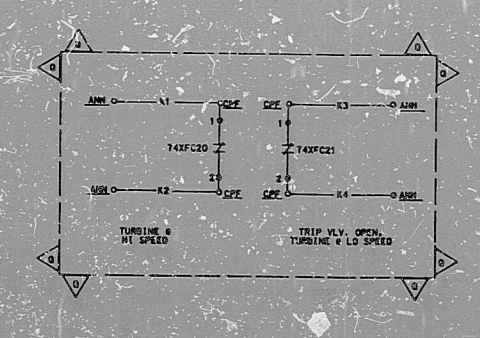
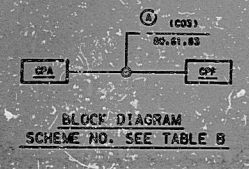
INDICATING LIGHTS, GE TYPE ET16
REL-CAT. NO. 011686706030
REL-CAT. NO. 011686706030
REL-CAT. NO. 011686706030
FOR ZL312AA, ZL312AB, ZL312AC, ZL312AD, ZL312AE,
ZL312AF



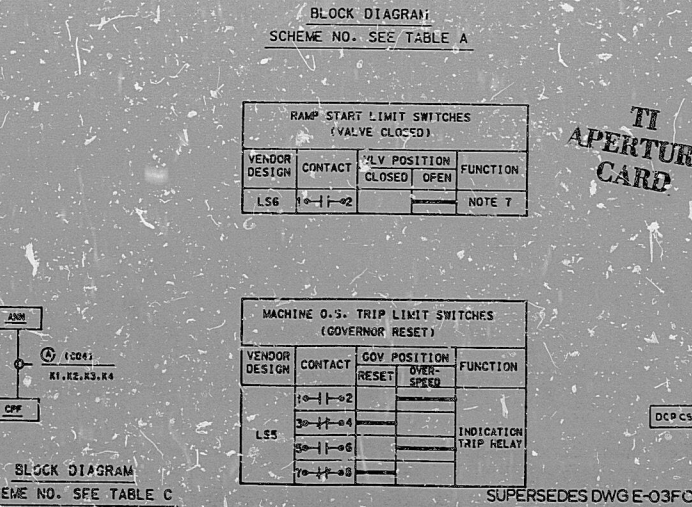
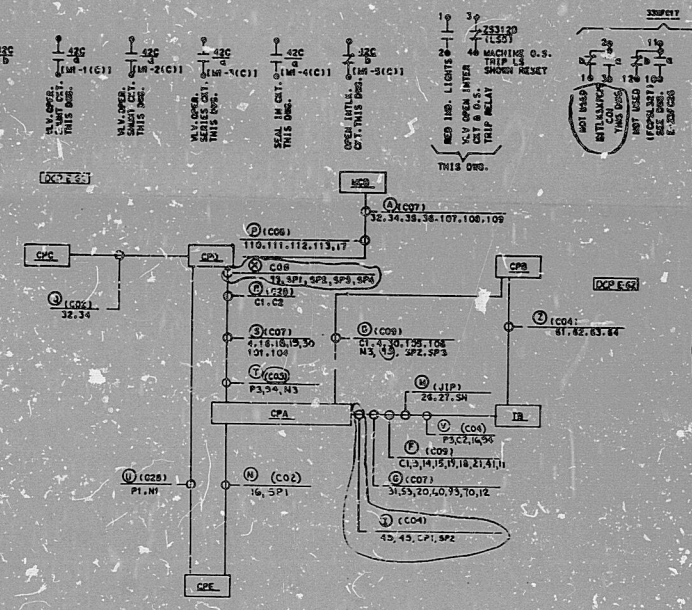
ESFAS RELAY B CONTACT NOS.	LINE
MIS A LOCATION-CPB	FC21312A
MIS B LOCATION-CPB	RP1188
AUX. TURBINE CONTROL PANEL-CPA	FC21312B
CONTROL PANEL(ESFAS)-CPE	FC21312C
AUX. RELAY	33XFC17
AUX. RELAY PANEL-CPE	RP266
TRIP RELAY	33XFC27
MECHANICAL O.S. TRIP SWITCH	FC23312D
VALVE STEM LIMIT SWITCH	FC23312A
VALVE POSITION INDICATING LIGHTS AT CFB	RL FC21312AA
VALVE POSITION INDICATING LIGHTS AT CFA	RL FC21312AB
TRIP INDICATING LIGHT AT CFB	RL FC21312AD
TRIP INDICATING LIGHT AT CFA	RL FC21312AE
TRIP INDICATING LIGHT AT CFB	RL FC21312AF
TRIP INDICATING LIGHT AT CFA	RL FC21312AH
TRIP INDICATING LIGHT AT CFB	RL FC21312AJ
TRIP INDICATING LIGHT AT CFA	RL FC21312AK
TRIP INDICATING LIGHT AT CFB	RL FC21312AL
TRIP INDICATING LIGHT AT CFA	RL FC21312AM
TRIP INDICATING LIGHT AT CFB	RL FC21312AN
TRIP INDICATING LIGHT AT CFA	RL FC21312AO
TRIP INDICATING LIGHT AT CFB	RL FC21312AP
TRIP INDICATING LIGHT AT CFA	RL FC21312AQ
TRIP INDICATING LIGHT AT CFB	RL FC21312AR
TRIP INDICATING LIGHT AT CFA	RL FC21312AS
TRIP INDICATING LIGHT AT CFB	RL FC21312AT
TRIP INDICATING LIGHT AT CFA	RL FC21312AU
TRIP INDICATING LIGHT AT CFB	RL FC21312AV
TRIP INDICATING LIGHT AT CFA	RL FC21312AW
TRIP INDICATING LIGHT AT CFB	RL FC21312AX
TRIP INDICATING LIGHT AT CFA	RL FC21312AY
TRIP INDICATING LIGHT AT CFB	RL FC21312AZ
TRIP INDICATING LIGHT AT CFA	RL FC21312BA
TRIP INDICATING LIGHT AT CFB	RL FC21312BB
TRIP INDICATING LIGHT AT CFA	RL FC21312BC
TRIP INDICATING LIGHT AT CFB	RL FC21312BD
TRIP INDICATING LIGHT AT CFA	RL FC21312BE
TRIP INDICATING LIGHT AT CFB	RL FC21312BF
TRIP INDICATING LIGHT AT CFA	RL FC21312BG
TRIP INDICATING LIGHT AT CFB	RL FC21312BH
TRIP INDICATING LIGHT AT CFA	RL FC21312BI
TRIP INDICATING LIGHT AT CFB	RL FC21312BJ
TRIP INDICATING LIGHT AT CFA	RL FC21312BK
TRIP INDICATING LIGHT AT CFB	RL FC21312BL
TRIP INDICATING LIGHT AT CFA	RL FC21312BM
TRIP INDICATING LIGHT AT CFB	RL FC21312BN
TRIP INDICATING LIGHT AT CFA	RL FC21312BO
TRIP INDICATING LIGHT AT CFB	RL FC21312BP
TRIP INDICATING LIGHT AT CFA	RL FC21312BQ
TRIP INDICATING LIGHT AT CFB	RL FC21312BR
TRIP INDICATING LIGHT AT CFA	RL FC21312BS
TRIP INDICATING LIGHT AT CFB	RL FC21312BT
TRIP INDICATING LIGHT AT CFA	RL FC21312BU
TRIP INDICATING LIGHT AT CFB	RL FC21312BV
TRIP INDICATING LIGHT AT CFA	RL FC21312BW
TRIP INDICATING LIGHT AT CFB	RL FC21312BX
TRIP INDICATING LIGHT AT CFA	RL FC21312BY
TRIP INDICATING LIGHT AT CFB	RL FC21312BZ



ANNUNCIATOR RELAY	LINE
ANNUNCIATOR RELAY	33XFC21
ANNUNCIATOR RELAY	33XFC22
ANNUNCIATOR RELAY	33XFC23
ANNUNCIATOR RELAY	33XFC24
ANNUNCIATOR RELAY	33XFC25
ANNUNCIATOR RELAY	33XFC26
ANNUNCIATOR RELAY	33XFC27
ANNUNCIATOR RELAY	33XFC28
ANNUNCIATOR RELAY	33XFC29
ANNUNCIATOR RELAY	33XFC30
ANNUNCIATOR RELAY	33XFC31
ANNUNCIATOR RELAY	33XFC32
ANNUNCIATOR RELAY	33XFC33
ANNUNCIATOR RELAY	33XFC34
ANNUNCIATOR RELAY	33XFC35
ANNUNCIATOR RELAY	33XFC36
ANNUNCIATOR RELAY	33XFC37
ANNUNCIATOR RELAY	33XFC38
ANNUNCIATOR RELAY	33XFC39
ANNUNCIATOR RELAY	33XFC40



ANNUNCIATOR RELAY	LINE
ANNUNCIATOR RELAY	33XFC21
ANNUNCIATOR RELAY	33XFC22
ANNUNCIATOR RELAY	33XFC23
ANNUNCIATOR RELAY	33XFC24
ANNUNCIATOR RELAY	33XFC25
ANNUNCIATOR RELAY	33XFC26
ANNUNCIATOR RELAY	33XFC27
ANNUNCIATOR RELAY	33XFC28
ANNUNCIATOR RELAY	33XFC29
ANNUNCIATOR RELAY	33XFC30
ANNUNCIATOR RELAY	33XFC31
ANNUNCIATOR RELAY	33XFC32
ANNUNCIATOR RELAY	33XFC33
ANNUNCIATOR RELAY	33XFC34
ANNUNCIATOR RELAY	33XFC35
ANNUNCIATOR RELAY	33XFC36
ANNUNCIATOR RELAY	33XFC37
ANNUNCIATOR RELAY	33XFC38
ANNUNCIATOR RELAY	33XFC39
ANNUNCIATOR RELAY	33XFC40



VALVE POSITION	SWITCH POSITION	FUNCTION
1	OPEN	TRIP INDICATION
2	CLOSE	TRIP INDICATION
3	TRIP	TRIP INDICATION
4	TRIP	TRIP INDICATION
5	TRIP	TRIP INDICATION

1. FIELD TO ADJUST ROTOR'S SUCH THAT SWITCH 11 CLOSURE BETWEEN FULL CLOSE AND 1/2 AS INDICATED. SEE VENDOR PRINT M-021-077.
2. FOR LOCKOUT BY CONTACT DEVELOPMENT. SEE DWG. E-036-01.
3. TRIP SOLENOID (SC 1). SEE V.P. M-021-072.
4. OLEATED.
5. CONTACT CLOSES ON TURBINE OVERSPEED. SEE V.P. DWG. M-021-073. DEVICE (TM1).
6. RAMP START LIMIT SWITCH CONTACT OPENS WHEN VALVE IS FULLY CLOSED. SEE DWG. E-237-024.
7. POSITION SWITCHES ARE SHOWN AS THEY WOULD BE WITH MAIN VALVE IN THE FULL CLOSED POSITION.
8. JUMPER TO BE ADDED PRIOR TO CORE LOADING.
9. CONTACT CLOSURES ON AUX. FEEDWATER ACTUATION SIGNAL. SEE TABLE A & REFER TO DWG. E-237-024.
10. CONTACT CLOSURES AT TURBINE HIGH SPEED. SEE V.P. DWG. M-021-073. DEVICE (TM2).
11. CONTACT CLOSURES AT TURBINE LOW SPEED. SEE V.P. DWG. M-021-073. DEVICE (TM2).
12. VENDOR (TERRY CO.) DESIGNATIONS SHOWN IN PARENTHESES.

NOTES:

1. VENDOR (TERRY CO.) DESIGNATIONS SHOWN IN PARENTHESES.

2. CONTACT CLOSURES AT TURBINE LOW SPEED. SEE V.P. DWG. M-021-073. DEVICE (TM2).

3. CONTACT CLOSURES AT TURBINE HIGH SPEED. SEE V.P. DWG. M-021-073. DEVICE (TM2).

4. CONTACT CLOSURES ON AUX. FEEDWATER ACTUATION SIGNAL. SEE TABLE A & REFER TO DWG. E-237-024.

5. CONTACT CLOSURES ON TURBINE OVERSPEED. SEE V.P. DWG. M-021-073. DEVICE (TM1).

6. RAMP START LIMIT SWITCH CONTACT OPENS WHEN VALVE IS FULLY CLOSED. SEE DWG. E-237-024.

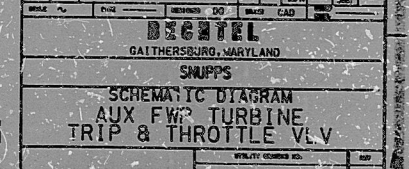
7. POSITION SWITCHES ARE SHOWN AS THEY WOULD BE WITH MAIN VALVE IN THE FULL CLOSED POSITION.

8. JUMPER TO BE ADDED PRIOR TO CORE LOADING.

9. CONTACT CLOSURES AT TURBINE HIGH SPEED. SEE V.P. DWG. M-021-073. DEVICE (TM2).

10. CONTACT CLOSURES AT TURBINE LOW SPEED. SEE V.P. DWG. M-021-073. DEVICE (TM2).

11. FIELD TO ADJUST ROTOR'S SUCH THAT SWITCH 11 CLOSURE BETWEEN FULL CLOSE AND 1/2 AS INDICATED. SEE VENDOR PRINT M-021-077.



REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR CONSTRUCTION
2	REVISED FOR CONSTRUCTION
3	REVISED FOR CONSTRUCTION
4	REVISED FOR CONSTRUCTION
5	REVISED FOR CONSTRUCTION
6	REVISED FOR CONSTRUCTION
7	REVISED FOR CONSTRUCTION
8	REVISED FOR CONSTRUCTION
9	REVISED FOR CONSTRUCTION
10	REVISED FOR CONSTRUCTION

SCHEMATIC DIAGRAM AUX FW TURBINE TRIP & THROTTLE VLV	
DATE	10/17/53
DRAWN BY	J. J. ...
CHECKED BY	...
APPROVED BY	...

10466 E-237C23(C) O

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SUPERSEDES DWG E-03FC23(D)
REVIEW LEVEL 3

8410050460

PDR RIDS

