







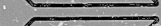













This drawing and the design it covers is the property of the Utilitator which are participating in the SHUPPS Project. It is loaned on the borrower's express agreement that it will not be reproduced, copied, loaned, tabular, or used except in the limited way and private use permitted by written consent given by the SHUPPS Utilitator to the borrower.

**LEGEND:**

-  ELECTRICAL SIGNAL
-  HYDRAULIC SIGNAL
-  MECHANICAL ACTION
-  PNEUMATIC SIGNAL
-  CONNECTION
-  NO CONNECTION
-  P.B. PUSHBUTTON
-  A# CROSSOVER SIGNAL TO 24VDC BUS TRIP
-  B# CROSSOVER SIGNAL TO 125VDC BUS TRIP
-  L# SIGNAL TO EHC INDICATOR, SEE TABLE
-  ALARM POINT
-  OR GATE
-  AND GATE
-  GATE WHERE A OF 3 SIGNALS TURN GATE ON
-  NOT GATE
-  TIME DELAY, ON DELAY
-  TIME DELAY, OFF DELAY
-  TBWDSV TURBINE BEARING WEAR DETECTOR SOLENOID VALVE
-  TSI TURBINE SUPERVISORY INSTRUMENTATION
-  EHC ELECTRO-HYDRAULIC CONTROL

**TABLE OF EHC INDICATORS**

ORIGIN NO.	DESCRIPTION
L1	LOW HYDRAULIC FLUID PRESSURE
L2A	LOW VACUUM
L2B	NORMAL VACUUM
L3A	VACUUM TRIPPED
L3B	VACUUM RESET
L4A	ELECTRICAL TRIP VALVE TRIPPED
L4B	ELECTRICAL TRIP VALVE RESET
L5A	MECHANICAL TRIP VALVE TRIPPED
L5B	MECHANICAL TRIP VALVE RESET
L6	LOWER THRUST BEARING WEAR
L7	LOWER THRUST BEARING WEAR TRIP
L8	UPPER THRUST BEARING WEAR
L9	UPPER THRUST BEARING WEAR TRIP
L10	TEST OK LOWER
L11	TEST OK UPPER
L12	TRIP CIRCUIT OPEN LOWER
L13	TRIP CIRCUIT OPEN UPPER

**NOTES:**

1. FOR DETAILS OF THE TURBINE TRIP LOGIC SEE J-02AC07 AND J-02AC08.
2. TEST CIRCUITRY INCLUDES METERED RELAYS SEE M-855-064 FOR DETAILS.

**REFERENCES:**

- DRAWINGS M-855-063 THROUGH-072
- DRAWING M-825-013 DESCRIPTION OF CONTROL MECHANISM (GENERAL ELECTRIC)

TI  
APERTURE  
CARD

NO.	DATE	REVISIONS	BY	CHK	APP	APP
SCALE	DESIGNED	DRAWN	CHK	ENGR	APP	
<b>BECHTEL</b> GAITHERSBURG, MARYLAND						
SNUPPS						
MAIN TURBINE TRIP LOGIC LEGEND AND NOTES						
			UTILIT. DRAWING NO.	REV		
			JOB NO.	BECHTEL DRAWING NO.	REV	
			10465	J-02AC06	Δ	
DRAWING APPLICABLE TO UNITS			1	2	3	4
			5	6	7	8
REVIEW LEVEL 2						

SUPERVISOR *[Signature]* JAN177 CAMERA OPERATOR *A/E C Young*



8410050238

PDR RIDS

