TITLE

CONT ON SHEET 2

SH NO. ]

REVISIONS

P3K-AL-0319-A01

TEST INSTRUCTIONS FOR PU TEST ANALOG/LOGIC CIRCUIT BOARD

CONT ON SHEET 2 SH NO. 1 FIRST MADE FOR EHC MARK II

I. SCOPE

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## CAND TEST FILE

This instruction outlines the test specifications for circuit board 1PU3-B001 (Board Drawing 117D7797 G1).

#### CIRCUIT DESCRIPTION II.

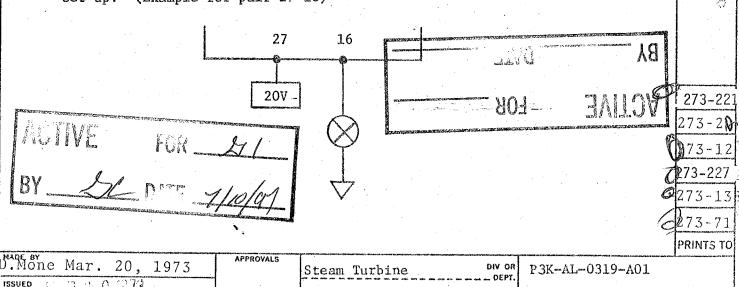
This circuit board is used to consolidate all of the analog to logic relays that provide switching signals to the power load unbalance circuit and the early valve actuation circuit. The board contains three 24V mercury-wetted relays.

### CIRCUIT SEECIFICATIONS III.

Connect permanently Pin 40 to ground and Pin 38 to +24V power supply. A +24V voltage should appear between TP1 and TP2. The board should not draw current through Pin 38 at any time. The logic and conduit continuity should be checked according to the following table, with the board in a vertical position.

Input	Pins		Output P	in Pairs	
22	24	23-17	27-16	27-15	27-14
OV	OV	Open Circuit	Open c.	Open c.	Open c.
24V	OV	Closed Circuit	Open c.	Open c.	Open c.
OV	/24V	Open Circuit	Closed c.	Closed c.	Closed c.
24V	24V	Closed Circuit	Closed c.	Closed c.	Closed c.

When the above pin pairs form closed circuits, they should be able to carry about 20 ma without appreciable voltage drop. Suggested test set up: (Example for pair 27-16)



Schenectady, N.Y.

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LOCATION CONT ON SHEET 2

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GENERAL 66 ELECTRIC P3K-AL-0319-A01 CONT ON SHEET TITLE TEST INSTRUCTION FOR PU TEST A/L P3K-AL-0319-A01 CONT ON SHEET 3 -FIRST MADE FOR MK II REVISIONS TEST INSTRUCTIONS 1PU3-B001 Assembly 117D7797 Schematic 117D7796 PROCEDURE: Refer to P3K-AL-0494-A02 for test circuits, equipment list, and set up Α. instructions. Table A provides the step by step procedure to follow in testing this circuit. Table B provides a step by step description of input voltages (to use as a troubleshooting aid). +

D.Mone Mar. 20, 1973 ISSUED

APPROVALS Schenectady

Steam Turbine

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