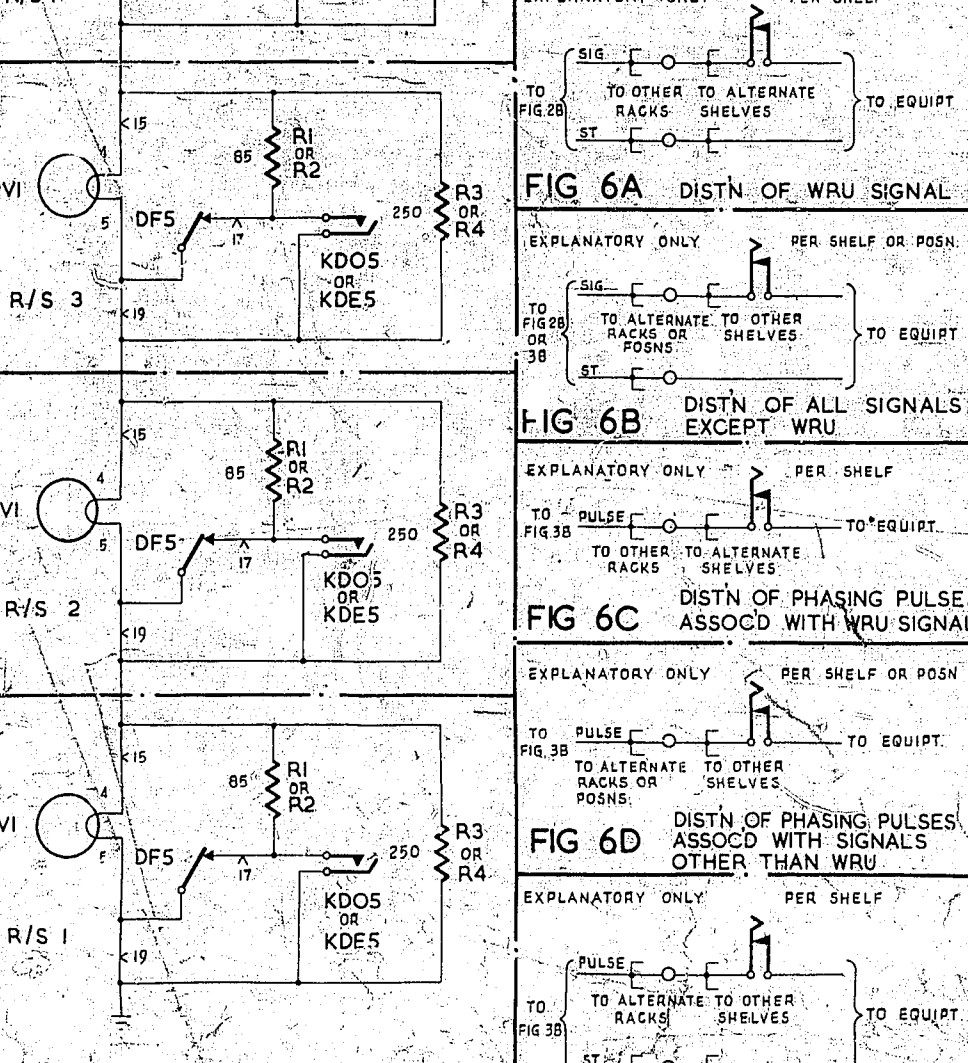
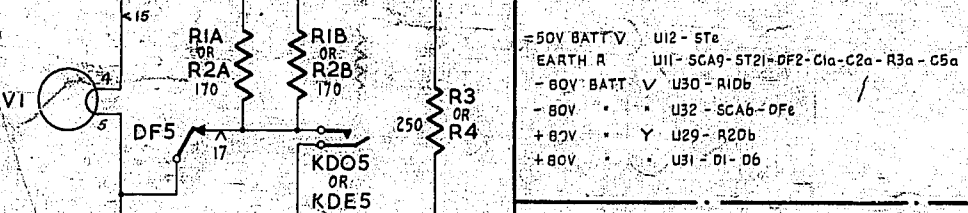
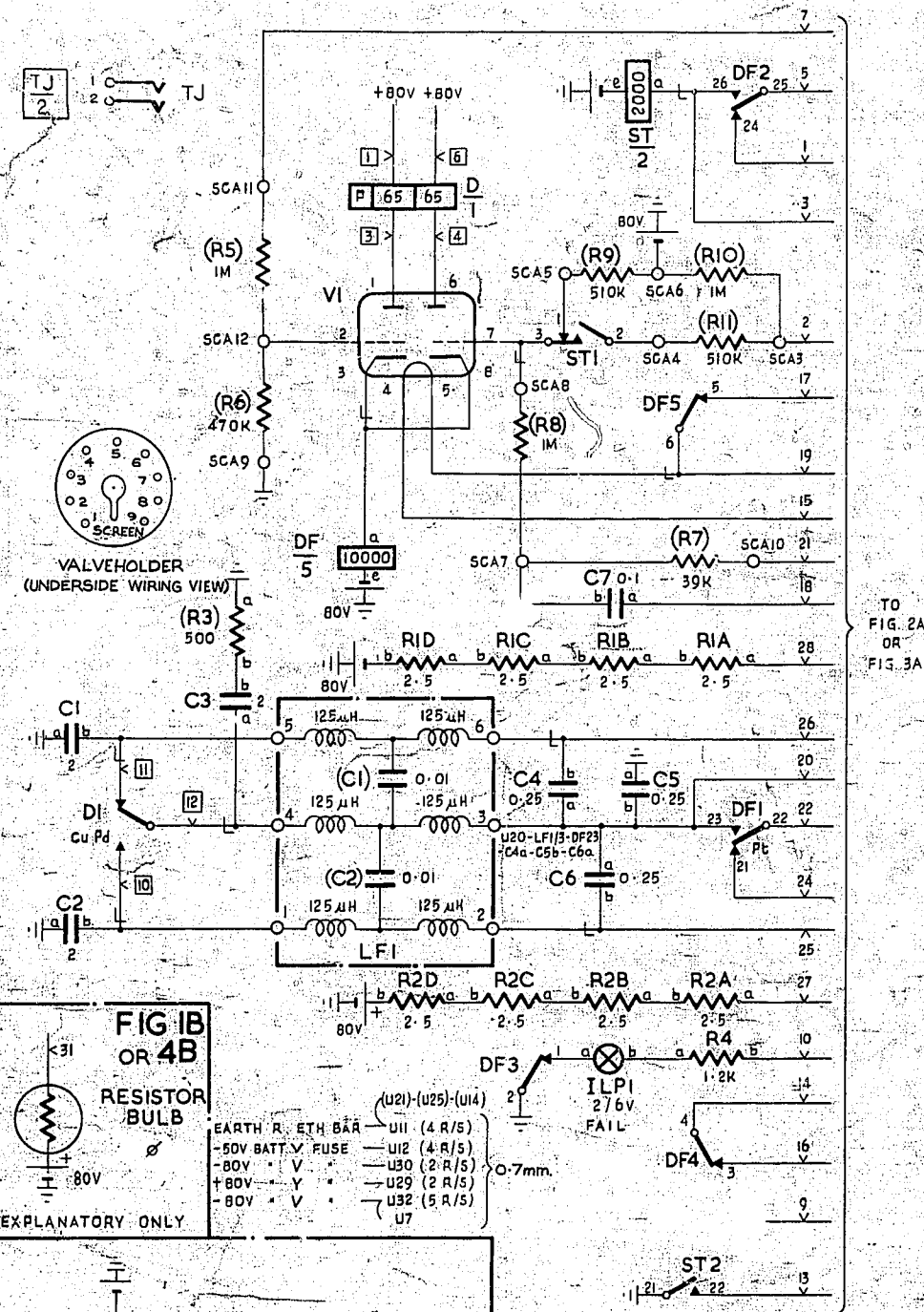
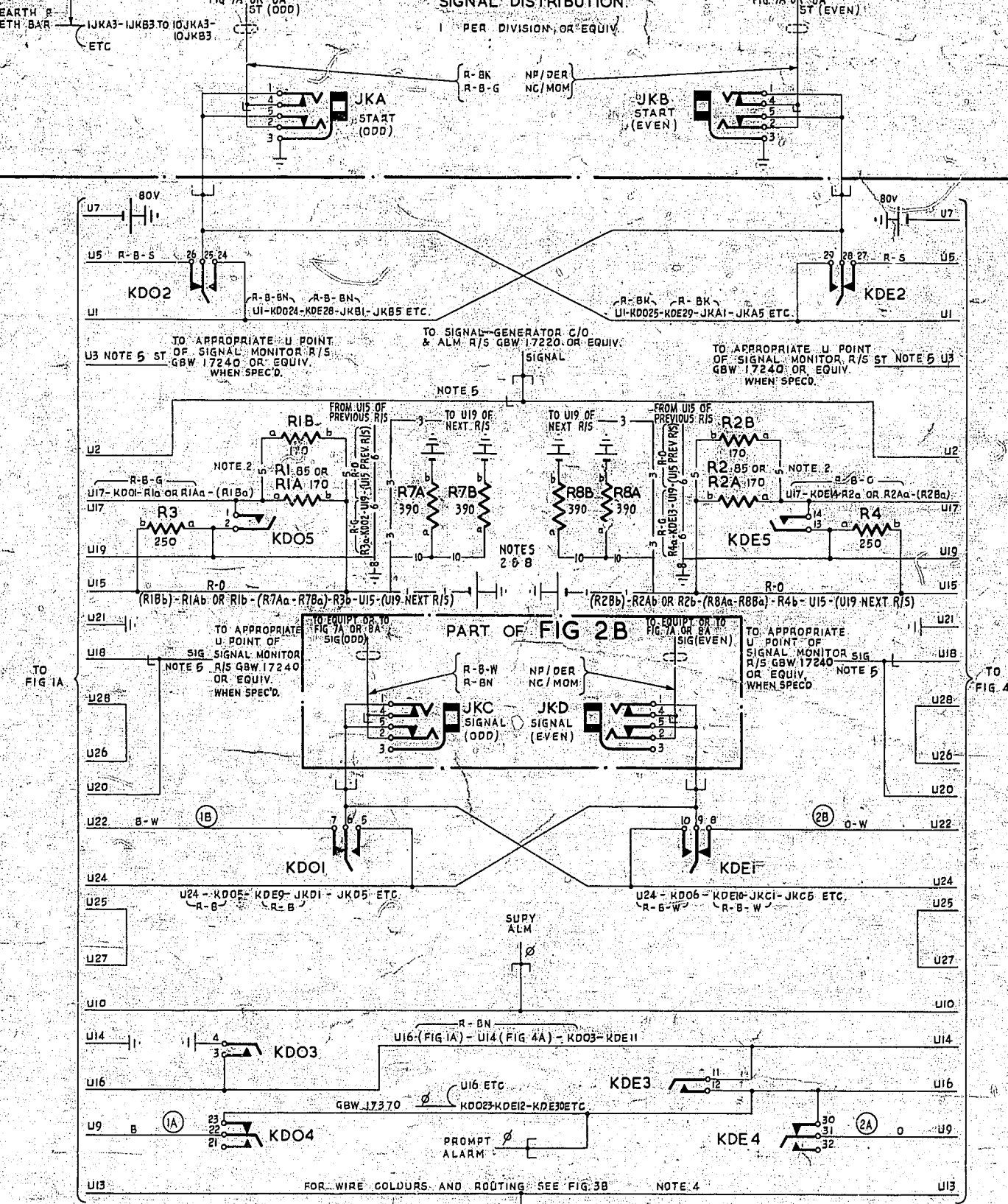


**FIG 1A SIGNAL DISTRIBUTION RELAY SET (ODD)**  
**FIG 4A SIGNAL DISTRIBUTION RELAY SET (EVEN)**

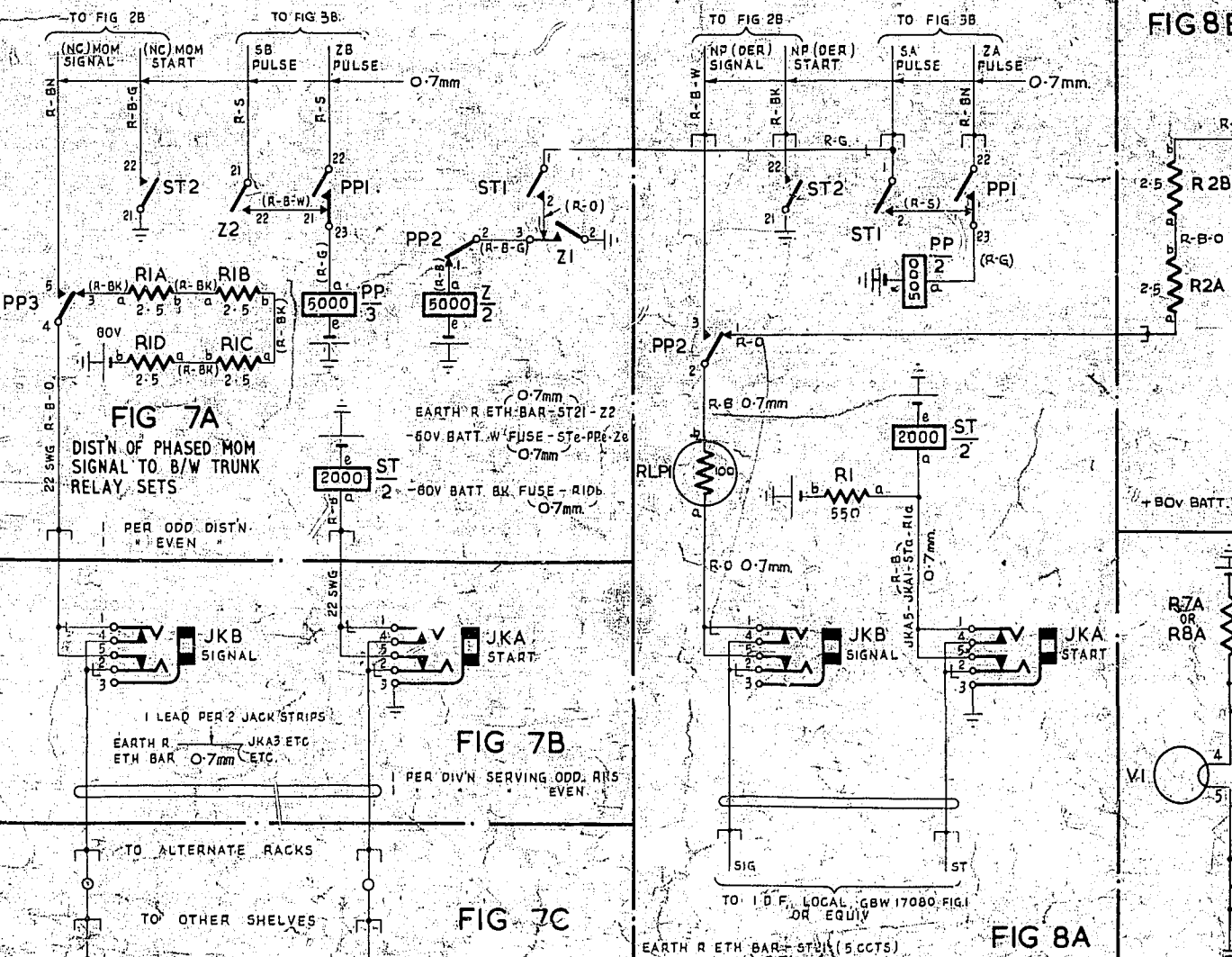


**FIG 5A SERIES HEATER CCT FOR 4 ODD OR 4 EVEN RELAY SETS**  
**FIG 6A DISTN OF WRU SIGNAL**  
**FIG 6B DISTN OF ALL SIGNALS EXCEPT WRU**  
**FIG 6C DISTN OF PHASING PULSES ASSOC'D WITH WRU SIGNAL**  
**FIG 6D DISTN OF PHASING PULSES ASSOC'D WITH SIGNALS OTHER THAN WRU**  
**FIG 6E DISTN OF PHASING PULSES REQUIRING INDIVIDUAL START WIRES**

**PART OF FIG 2B**  
**WRU, NP/DER, NC/MOM, OCC/ABS, SIGNAL DISTRIBUTION.**

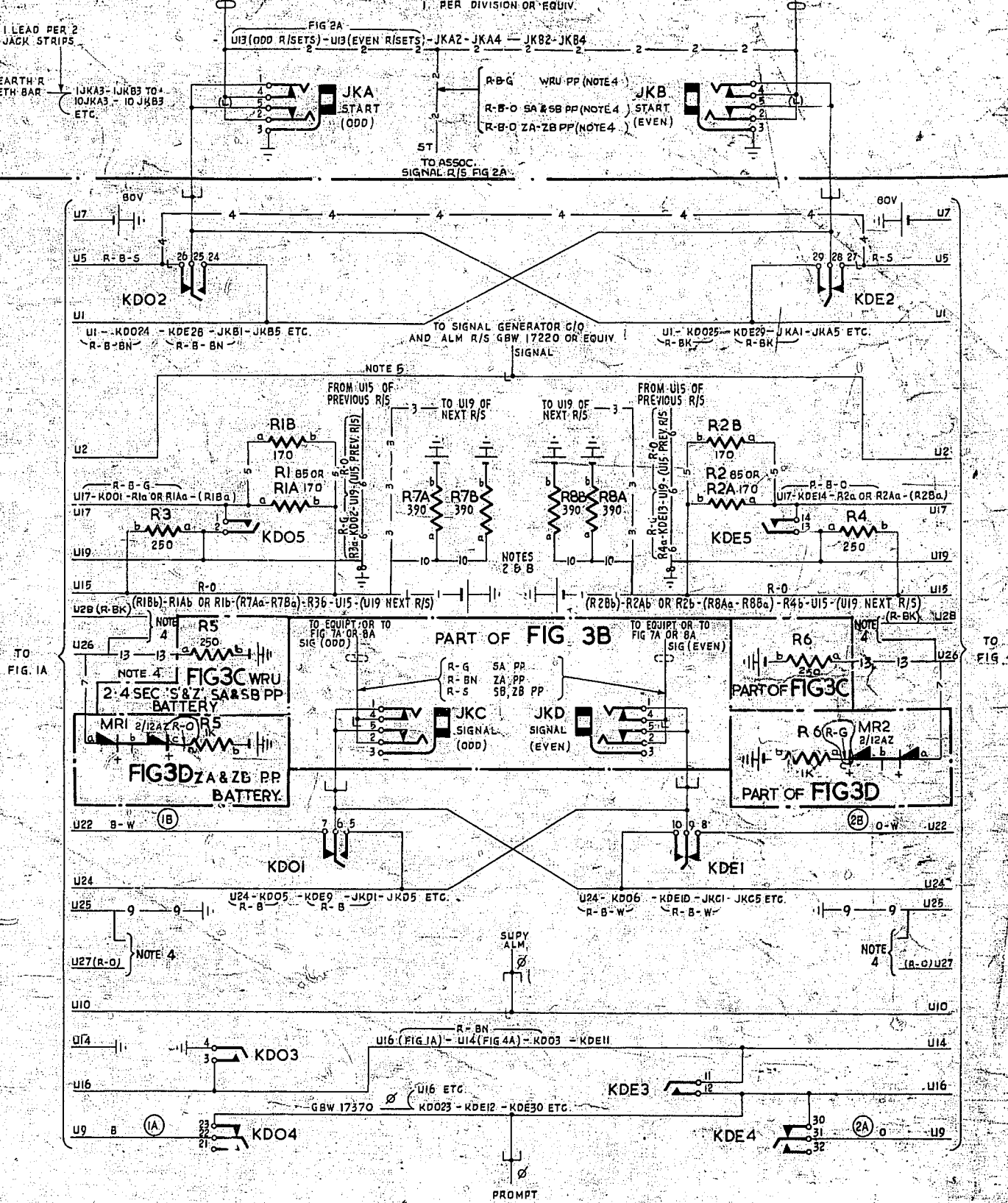


**FIG 2A WRU, NP/DER, NC/MOM, OCC/ABS, SIGNAL DISTN**  
**DISCONNECT ODD (KDO), DISCONNECT EVEN (KDE)**

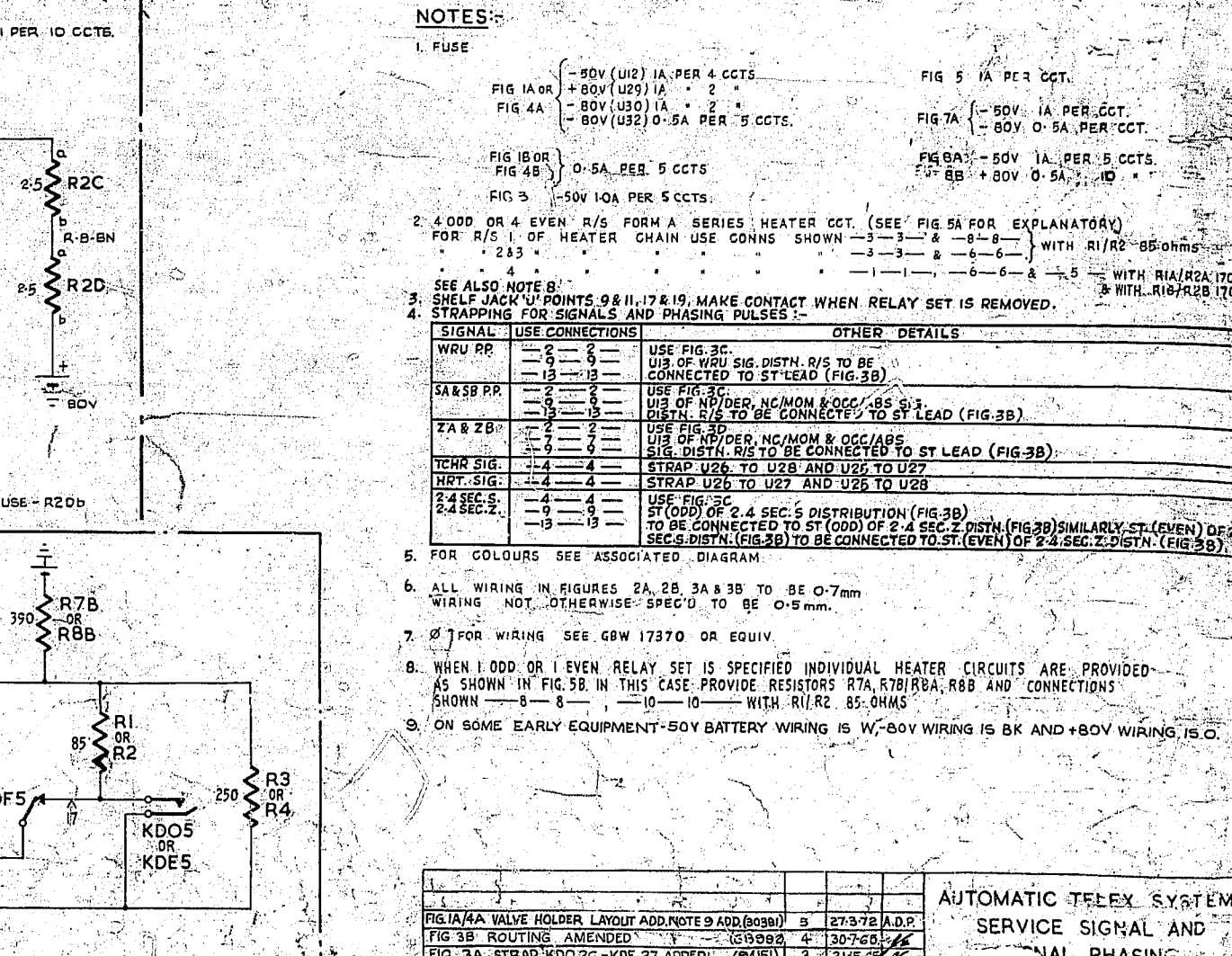


**FIG 7A DISTN OF PHASED MOM SIGNAL TO B/W TRUNK RELAY SETS**  
**FIG 7B PER DIVN SERVING ODD, R/S EVEN**  
**FIG 7C EXPLANATORY ONLY**  
**FIG 7D PER DIVN SERVING ODD, R/S EVEN**  
**FIG 7E EXPLANATORY ONLY**  
**FIG 7F EXPLANATORY ONLY**  
**FIG 7G EXPLANATORY ONLY**  
**FIG 7H EXPLANATORY ONLY**  
**FIG 7I EXPLANATORY ONLY**  
**FIG 7J EXPLANATORY ONLY**  
**FIG 7K EXPLANATORY ONLY**  
**FIG 7L EXPLANATORY ONLY**  
**FIG 7M EXPLANATORY ONLY**  
**FIG 7N EXPLANATORY ONLY**  
**FIG 7O EXPLANATORY ONLY**  
**FIG 7P EXPLANATORY ONLY**  
**FIG 7Q EXPLANATORY ONLY**  
**FIG 7R EXPLANATORY ONLY**  
**FIG 7S EXPLANATORY ONLY**  
**FIG 7T EXPLANATORY ONLY**  
**FIG 7U EXPLANATORY ONLY**  
**FIG 7V EXPLANATORY ONLY**  
**FIG 7W EXPLANATORY ONLY**  
**FIG 7X EXPLANATORY ONLY**  
**FIG 7Y EXPLANATORY ONLY**  
**FIG 7Z EXPLANATORY ONLY**

**PART OF FIG 3B**  
**DISTRIBUTION OF TCHR & HRT SIGNALS, WRU PHASING PULSE, 2.4 SEC 'S' & 'Z' PULSES & SA, SB, ZA & ZB PHASING PULSES**



**FIG 3A DISTRIBUTION OF TCHR & HRT SIGNALS, WRU PHASING PULSE, 2.4 SEC 'S' & 'Z' PULSES & SA, SB, ZA, ZB PHASING PULSES**  
**DISCONNECT ODD (KDO), DISCONNECT EVEN (KDE)**



**FIG 8A DISTN OF PHASED NP SIGNAL FOR SPARE LINES**  
**FIG 8B PER 10 CCTS**  
**FIG 8C EXPLANATORY ONLY**  
**FIG 8D EXPLANATORY ONLY**  
**FIG 8E EXPLANATORY ONLY**  
**FIG 8F EXPLANATORY ONLY**  
**FIG 8G EXPLANATORY ONLY**  
**FIG 8H EXPLANATORY ONLY**  
**FIG 8I EXPLANATORY ONLY**  
**FIG 8J EXPLANATORY ONLY**  
**FIG 8K EXPLANATORY ONLY**  
**FIG 8L EXPLANATORY ONLY**  
**FIG 8M EXPLANATORY ONLY**  
**FIG 8N EXPLANATORY ONLY**  
**FIG 8O EXPLANATORY ONLY**  
**FIG 8P EXPLANATORY ONLY**  
**FIG 8Q EXPLANATORY ONLY**  
**FIG 8R EXPLANATORY ONLY**  
**FIG 8S EXPLANATORY ONLY**  
**FIG 8T EXPLANATORY ONLY**  
**FIG 8U EXPLANATORY ONLY**  
**FIG 8V EXPLANATORY ONLY**  
**FIG 8W EXPLANATORY ONLY**  
**FIG 8X EXPLANATORY ONLY**  
**FIG 8Y EXPLANATORY ONLY**  
**FIG 8Z EXPLANATORY ONLY**

- NOTES:**
- FUSE
    - FIG 1A OR 4A (-90V U12) IA PER 4 CCTS.
    - FIG 1A OR 4A (+80V U29) IA PER 4 CCTS.
    - FIG 4A (-80V U30) IA PER 4 CCTS.
    - FIG 4A (-80V U32) IA PER 4 CCTS.
    - FIG 1B OR 4B (-80V U12) IA PER 5 CCTS.
    - FIG 3 (-50V U10) IA PER 5 CCTS.
  - 4 ODD OR 4 EVEN R/S FORM A SERIES HEATER CCT. (SEE FIG 5A FOR EXPLANATORY) FOR R/S 1 OF HEATER CHAIN USE CONNS SHOWN - 3-3 & 8-8 WITH R1/R2 85 OHMS 2.5 W.
  - SEE ALSO NOTE 6.
  - SHELF JACK U POINTS 9 & 11, 17 & 19, MAKE CONTACT WHEN RELAY SET IS REMOVED.
  - STRAPPING FOR SIGNALS AND PHASING PULSES:
 

| SIGNAL       | USE CONNECTIONS  | OTHER DETAILS |
|--------------|--|---------------|
| WRU PP       | U13 OF WRU SIG. DISTN. R/S TO BE CONNECTED TO ST LEAD (FIG. 3B)  |               |
| SA & SB PP   | U13 OF NP/DER, NC/MOM & OCC/ABS SIG. DISTN. R/S TO BE CONNECTED TO ST LEAD (FIG. 3B)                   |               |
| ZA & ZB      | U13 OF NP/DER, NC/MOM & OCC/ABS SIG. DISTN. R/S TO BE CONNECTED TO ST LEAD (FIG. 3B)                   |               |
| TCHR SIG.    | STRAP U26 TO U28 AND U26 TO U27  |               |
| HRT SIG.     | STRAP U26 TO U27 AND U26 TO U28  |               |
| 2.4 SEC. 'S' | ST (ODD) OF 2.4 SEC. 2. DISTN. (FIG. 3B) TO BE CONNECTED TO ST (ODD) OF 2.4 SEC. 2. DISTN. (FIG. 3B)   |               |
| 2.4 SEC. 'Z' | ST (EVEN) OF 2.4 SEC. 2. DISTN. (FIG. 3B) TO BE CONNECTED TO ST (EVEN) OF 2.4 SEC. 2. DISTN. (FIG. 3B) |               |
  - FOR COLOURS SEE ASSOCIATED DIAGRAM.
  - ALL WIRING IN FIGURES 2A, 2B, 3A & 3B TO BE 0.7mm WIRING NOT OTHERWISE SPEC'D TO BE 0.5mm.
  - FOR WIRING SEE GBW 17370 OR EQUIV.
  - WHEN 1 ODD OR 1 EVEN RELAY SET IS SPECIFIED INDIVIDUAL HEATER CIRCUITS ARE PROVIDED AS SHOWN IN FIG. 5B. IN THIS CASE PROVIDE RESISTORS R7A, R7B, R8A, R8B AND CONNECTIONS SHOWN - 8-8 & 10-10 WITH R1/R2 85 OHMS.
  - ON SOME EARLY EQUIPMENT - 50V BATTERY WIRING IS W-BOV WIRING IS BK AND +BOV WIRING IS O.

| FIG. NO. | REVISION                                     | DATE | BY       | FOR |
|----------|--|------|----------|-----|
| FIG. 3A  | STAMP KDO 2C - KDE 27 ADDED (24/11/51)       | 3    | 21/11/51 |     |
| NOTE 4   | REVISED ORIGINAL NOTE 5 - DELETED (21/11/51) | 2    | 21/11/51 |     |

**AUTOMATIC TELETYPE SYSTEM SERVICE SIGNAL AND PHASING DISTRIBUTION**

AMENDMENT PARTICULARS: \_\_\_\_\_ ISSUE DATE: \_\_\_\_\_

GBW 17230