

5 Centimetres
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15
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25
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35
40
45
50
55

TO REGENERATIVE REPEATER VIA BY-PASS RELAYS AS FOR OTHER LEG OF CIRCUIT - SEE BELOW

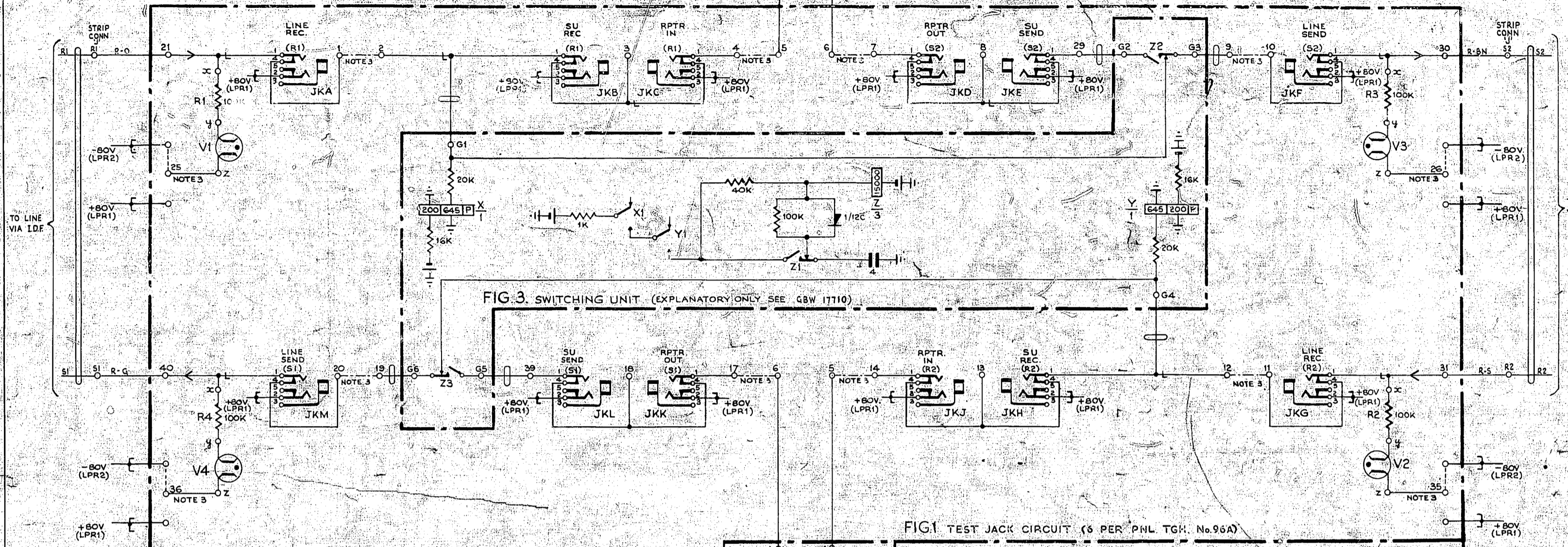


FIG. 1 TEST JACK CIRCUIT (6 PER PNL TGH. No. 96A)

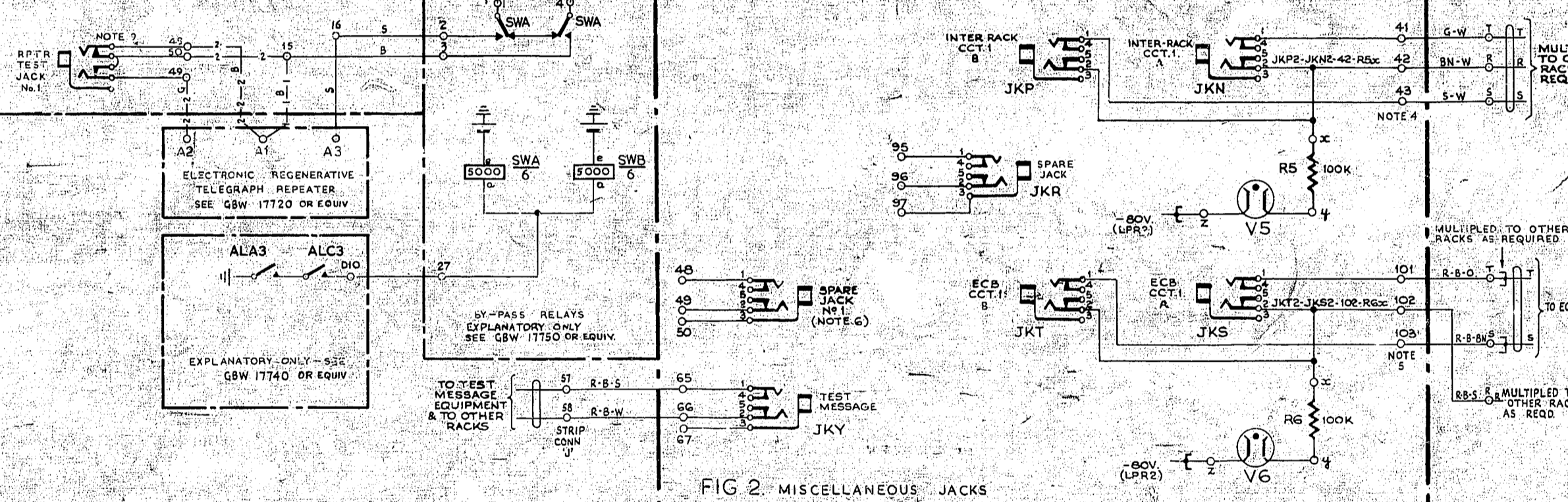
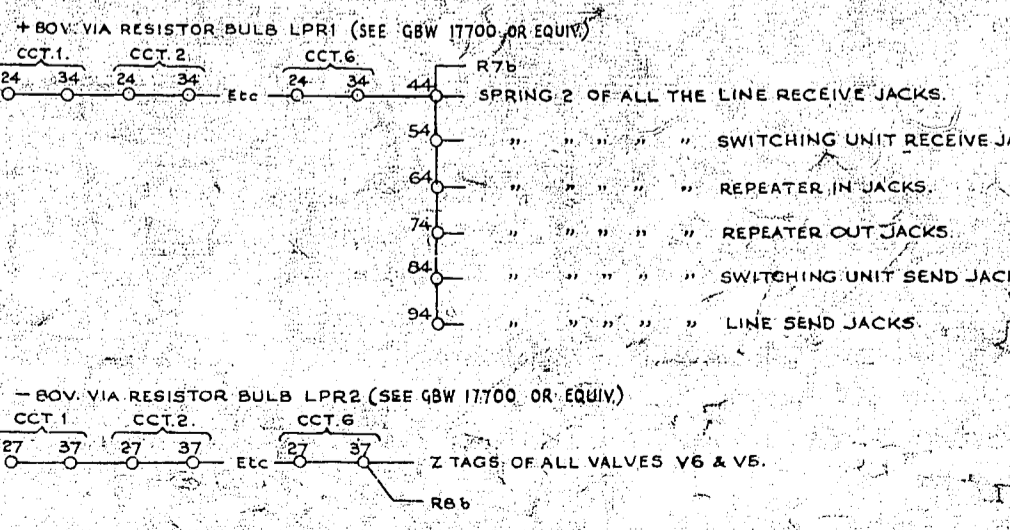
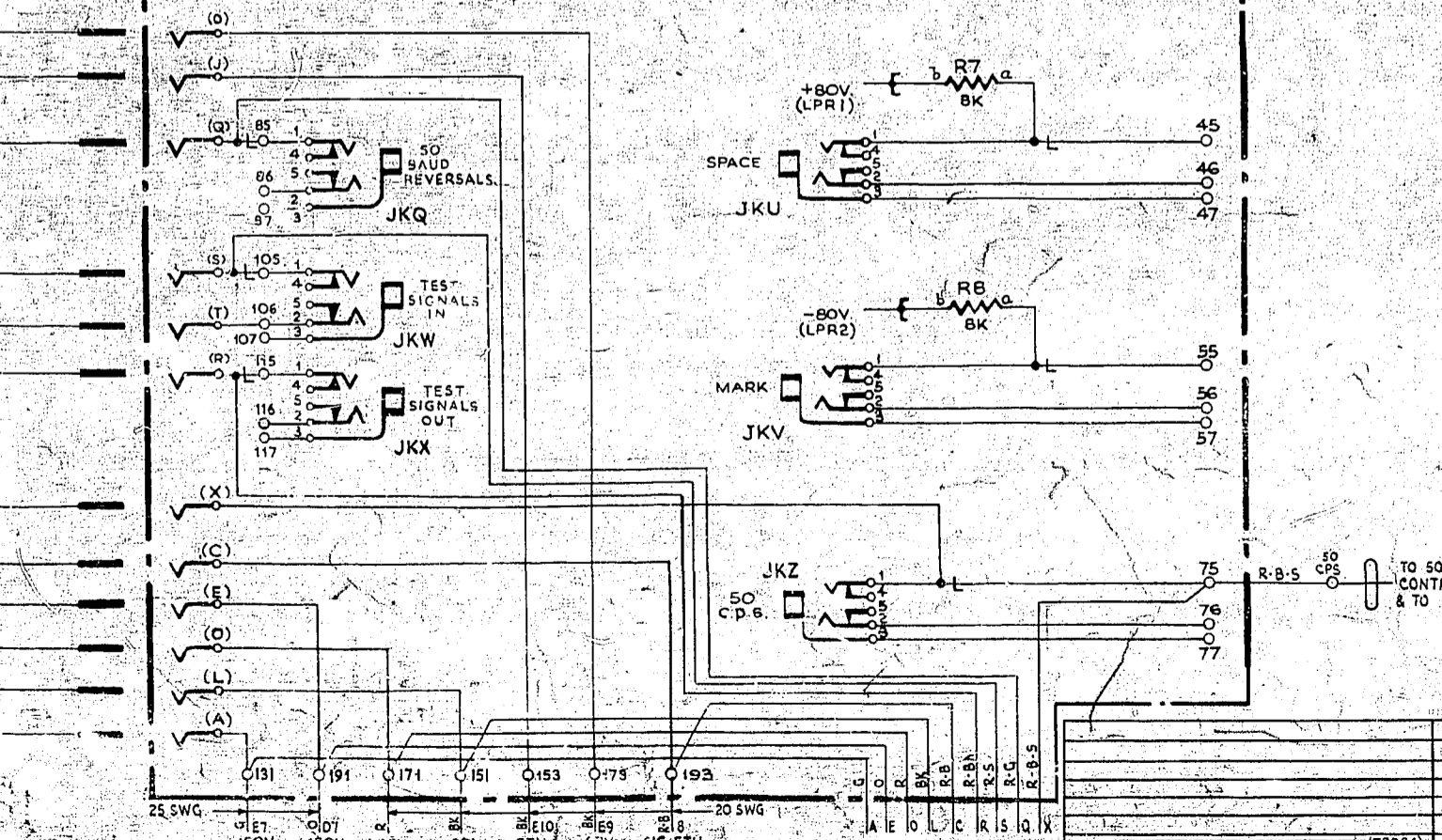


FIG. 2 MISCELLANEOUS JACKS



- NOTES:-
1. THE NUMBERED TAGS SHOWN WITHIN FIGS 1 & 2 ARE LOCATED ON STRIP CONNECTION 'H' WHICH FORMS PART OF PANEL TELEGRAPH No. 96A. SEE GBW 17730 OR EQUIV.
 2. ALL WIRING TO BE 25 SWG UNLESS OTHERWISE SPECIFIED
 3. FOR STRAPPING REQUIRED TO MEET VARIOUS CIRCUIT REQUIREMENTS SEE SHEET 2-2.
 4. INTER-RACK CCT. NO. 2 WILL BE SIMILARLY WIRED TO TAGS 51, 52 & 53; CCT. NO. 3 TO TAGS 61, 62 & 63 ETC.; CCT. NO. 6 TO TAGS 91, 92 & 93.
 5. ECB. CCT. NO. 2 WILL BE SIMILARLY WIRED TO TAGS 111, 112 & 113.
 6. SPARE JACK NO. 2 IS SIMILARLY WIRED TO TAGS 58, 59 & 60; SPARE JACK NO. 3 TO TAGS 68, 69 & 70; ETC. SPARE JACK NO. 16 TO TAGS 150, 151 & 200. WHERE RPTR TEST JACKS ARE REQUIRED SPARE JACKS 1-6 ARE USED FOR THE PURPOSE. FOR THESE JACKS THE WIRE TERMINATED ON THE SLEEVE MUST BE RE-TERMINATED ON THE INNER SPRINGS 4 & 5.
 7. THE TAGS 20, 42, ON WHICH THE RESISTORS R1 TO R6 AND THE INDICATING VALVES V1 TO V6 ARE MOUNTED ARE LOCATED ON THE REAR OF THE STRIP ON WHICH THE VALVES ARE MOUNTED.
 8. WHERE RPTR TEST JACKS ARE NOT REQUIRED RUN WIRE SHOWN - - - AND OMIT WIRES SHOWN - - - 2 - - 2 - - WHERE RPTR TEST JACKS ARE REQUIRED, RUN WIRES SHOWN - - - 2 - - 2 - - AND OMIT WIRE SHOWN - - - 1 - - 1 - -
 9. RPTR TEST JACKS 2 TO 6 ARE SIMILARLY WIRED TO RPTR'S 2-6 (SEE ALSO NOTE 6)

ELECTRONIC REGENERATIVE TELEGRAPH REPEATER TEST JACK PANEL (PANEL TELEGRAPH No. 96A)

AMENDMENT PARTICULARS

ISSUE DATE: 18-6-53

SIZE: L E

GBW 17730

SHEET 1-2

TO PNL TGH. No. 95A GBW 17740 OR EQUIV. WHEN SPEED

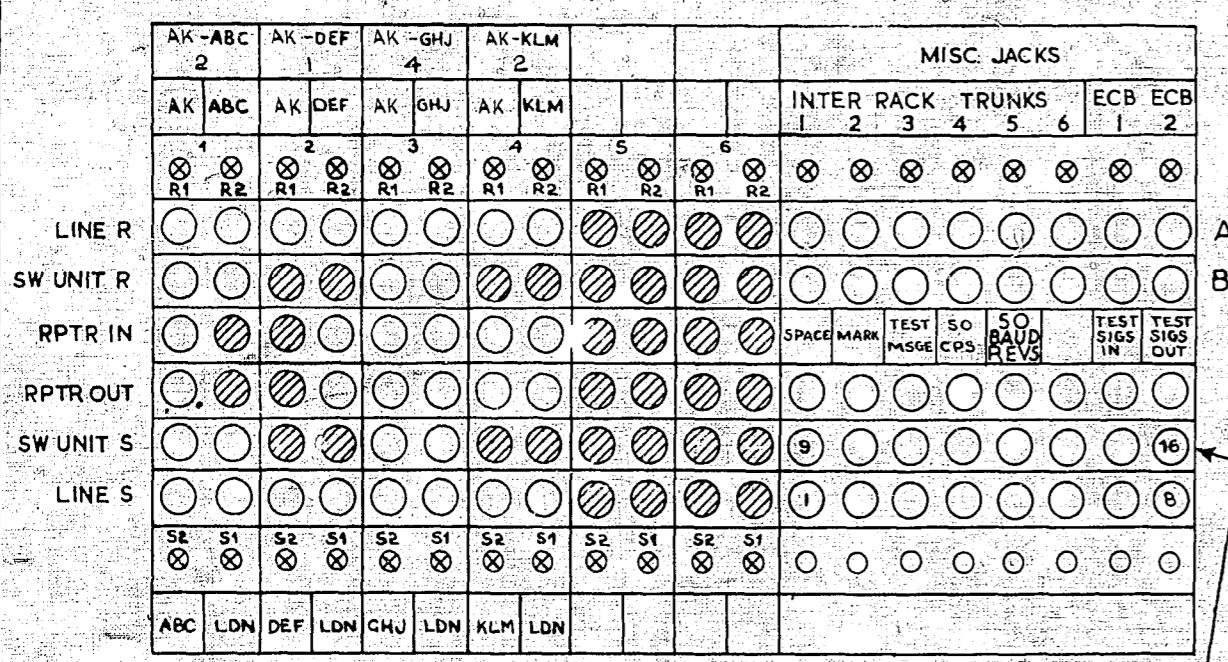
TO PNL TGH. No. 95A GBW 17740 OR EQUIV.

TO PNL TGH. No. 95A GBW 17740 OR EQUIV.

TO JACK ON REAR OF MOUNTING D. 64429 GBW 17700 OR EQUIV.

TO 50 C.P.S. FORK CONTROLLED SUPPLY & TO OTHER RACKS

ESE LINES 13 2



NOTE 4
 RPTR TEST JACKS SPARE
 1 2 3 4 5 6 1 2

⊗ INDICATES A JACK WHICH HAS BEEN PEGGED TO SHOW IT IS NOT IN USE.

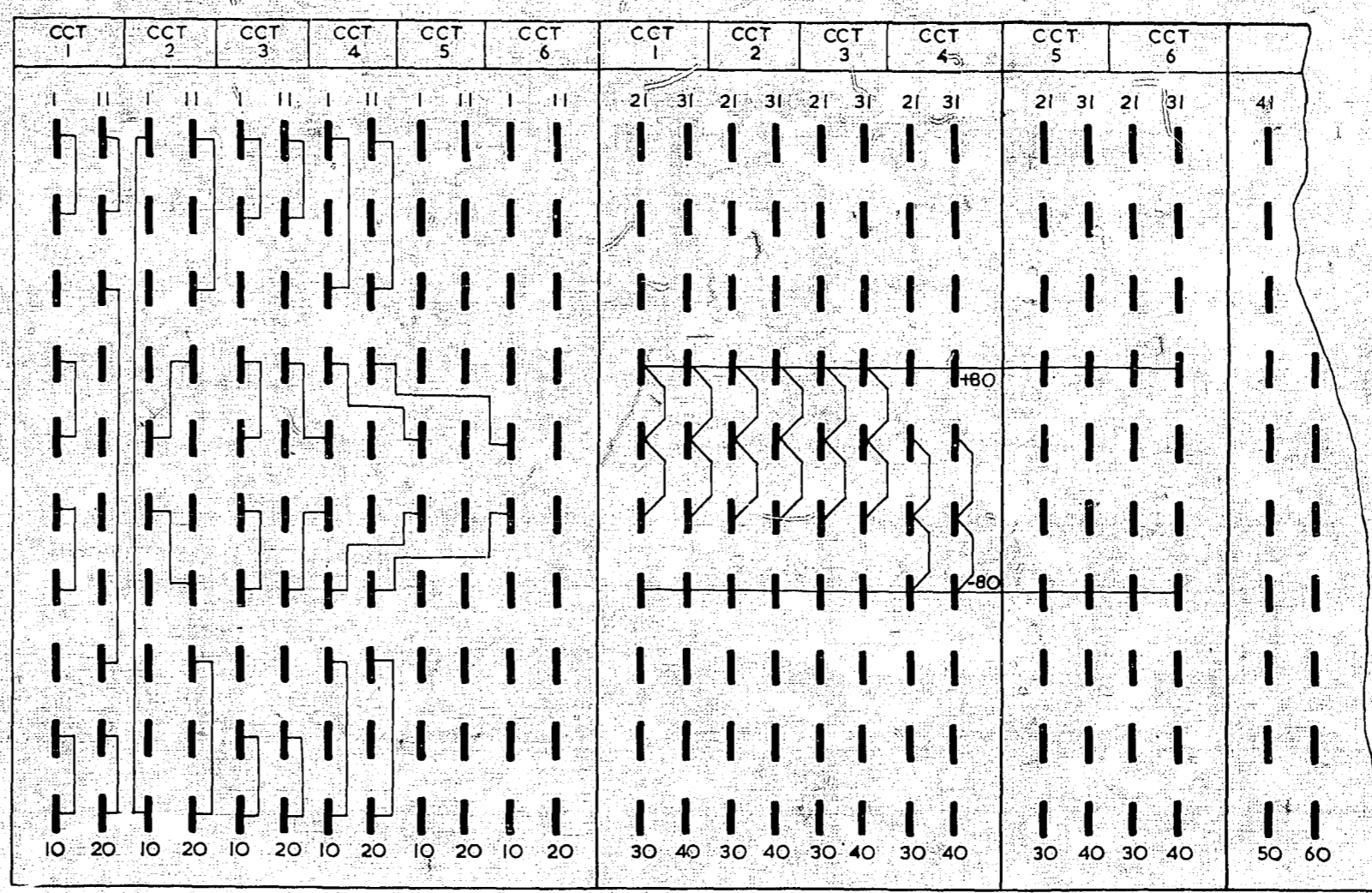


FIG. 4. TYPICAL STRAPPINGS (SEE NOTE 1)

FIG. 3. LAYOUT OF TEST AND MISC. JACKS AND TYPICAL CIRCUIT LABELLING (SEE NOTE 1)

	SWITCHING UNIT REQUIRED	SWITCHING UNIT NOT REQUIRED
RPTR IN DIRECTION R1 TO S2 ONLY	STRAP 1-2, 9-10, 11-12, 13-18, 19-20 ALSO 4 TO RPTR INPUT AND 7 TO RPTR OUTPUT (AS CCT 1 IN FIGS 3 & 4)	STRAP 1-3, 8-10, 11-20 AND ALSO 4 TO RPTR INPUT AND 7 TO RPTR OUTPUT
RPTR IN DIRECTION R2 TO S1 ONLY	STRAP 1-2, 3-8, 9-10, 11-12, 19-20 ALSO 14 TO RPTR INPUT AND 17 TO RPTR OUTPUT	STRAP 1-10, 11-13, 18-20 AND ALSO 14 TO RPTR INPUT AND 17 TO RPTR OUTPUT (AS CCT 2 IN FIGS 3 & 4)
RPTR'S IN BOTH DIRECTIONS	STRAP 1-2, 9-10, 11-12, 19-20 ALSO 4 TO FIRST RPTR INPUT 7 " " " OUTPUT 14 " SECOND " INPUT 17 " " " OUTPUT (AS CCT 3 IN FIGS 3 & 4)	STRAP 1-3, 8-10, 11-13, 18-20 AND ALSO 4 TO FIRST RPTR INPUT 7 " " " OUTPUT 14 " SECOND " INPUT 17 " " " OUTPUT (AS CCT 4 IN FIGS 3 & 4)

FIG. 5. STRAPPING SCHEDULE FOR STRIP CONNEXION 'H'

NOTES:-

1. REPEATERED CIRCUITS MAY BE OF VARIOUS TYPES, AND THE CORRECT CIRCUIT CONDITIONS MUST BE ENSURED BY APPROPRIATE STRAPPING ON STRIP CONNEXION 'H', AS INDICATED IN THE SCHEDULE (FIG. 5) TO ILLUSTRATE THE METHOD, TYPICAL CIRCUIT LABELLING AND STRAPPING ARE SHOWN IN FIGS 3 & 4 FOR CIRCUITS FROM AUCKLAND TO FOUR IMAGINARY CENTRES, INDICATED BY THE CODES ABC, DEF ETC. THESE CIRCUITS ARE ASSUMED TO BE OF THE TYPES INDICATED IN THE SCHEDULE.
2. IN ADDITION TO THE STRAPS REFERRED TO IN THE SCHEDULE THE FOLLOWING ADDITIONAL STRAPS ARE NECESSARY DEPENDING ON WHETHER THE DISENGAGED CONDITION OF THE CIRCUIT IS INDICATED BY SPACING OR MARKING LINE POLARITY:-
 FOR CIRCUITS WHOSE DISENGAGED CONDITION IS SPACING, STRAP TOGETHER 24, 25 & 26 AND 34, 35 & 36.
 " " " " " " MARKING, " " 25, 26 & 27 AND 35, 36 & 37.
 (CIRCUIT 4 IN FIGS 3 & 4 IS ASSUMED TO BE OF THE LATTER TYPE)
3. ACCESS TO THE SIX REPEATERS IS OBTAINED ON TAGS 5 & 6 IN EACH OF THE SIX GROUPS OF TAGS 1-20, ULTIMATELY IT IS EXPECTED THAT REPEATERS WILL BE USED ONLY IN THE OG SIDE OF CIRCUITS, IN WHICH CASE THE RACK WILL SERVE SIX CIRCUITS AND ALL STRAPS WILL BE VERTICAL. WHERE 1, 2 OR 3 CIRCUITS REQUIRE TWO REPEATERS, THE CAPACITY OF THE RACK IS REDUCED TO 5, 4 OR 3 CIRCUITS RESPECTIVELY. IN THESE CASES THE REPEATERS SHOULD BE ALLOCATED TO THE CIRCUITS BY THE MOST CONVENIENT STRAPPING ARRANGEMENT (SEE TYPICAL STRAPPING IN FIG 4).
4. WHERE RPTR TEST JACKS ARE REQUIRED, THE LABEL STRIP SHOWN WILL BE PLACED IN THE POSITION OCCUPIED BY SPARE JACKS 9-16.

ELECTRONIC REGENERATIVE TELEGRAPH REPEATER TEST JACK PANEL PANEL TELEGRAPH No96A			
(78964)	J	18-6-63	Cur
AMENDMENT PARTICULARS	ISSUE	DATE	APP'D
N.Z.P.O.	DRAWN	CHECKED	WIRING
			CIRCUIT
			GBW
			17730
			SHEET 2-2

0
5 Centimetres
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