

SHEET N°	SIZE	SUB TITLE	ISSUE						
1	X	WIRING	B	C	D	E	F		
2	M	U POINTS.	B	C	D				
3	F	RELAY CODES & COMPONENTS LIST.	B	C	D	E			
4	F	" " " "	B	C	D				
5	F	" " " "	A	B					
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

ISS.	DATE	CHKD	APPD	DEL	ORDER	CHANGE
B	14-11-66	<i>gmk</i>	<i>C.J.W.</i>	R.Y.	46433	IND SHEET INCORPORATED AT ISS. B. SHTS 1-4 ADVANCED TO ISS. B. SHT 5 NEW SHT 165A
C	12-9-67	<i>MG</i>	<i>C.J.W.</i>	AFK	83935	SHEETS 1 & 3 AMENDED
D	1-7-68	NEG	<i>C.J.W.</i>	W.J.W.	2758	SHEETS 1, 2 & 3 AMENDED
E	5-10-69	R.C.	<i>C.J.W.</i>	W.J.W.	86125	SHEETS 1-5 AMENDED
F	19-1-72	K. G.	C.J.W.	PMC	30193	SHEETS 1 & 4 AMENDED

NEW ZEALAND POST OFFICE, ENGINEER-IN-CHIEF, WELLINGTON

RINGING TONES & ALARMS PULSE DISTRIBUTION & RINGING CODES REMOTE M UNIT N.Z. U.A.X.13 (INDEX SHEET)

ORIGIN	TEL. EQPT. SECT.	SIZE SHEET	31694
DRAWN	TEL. E. SEC.	F IND	
TRACED	R.Y.		

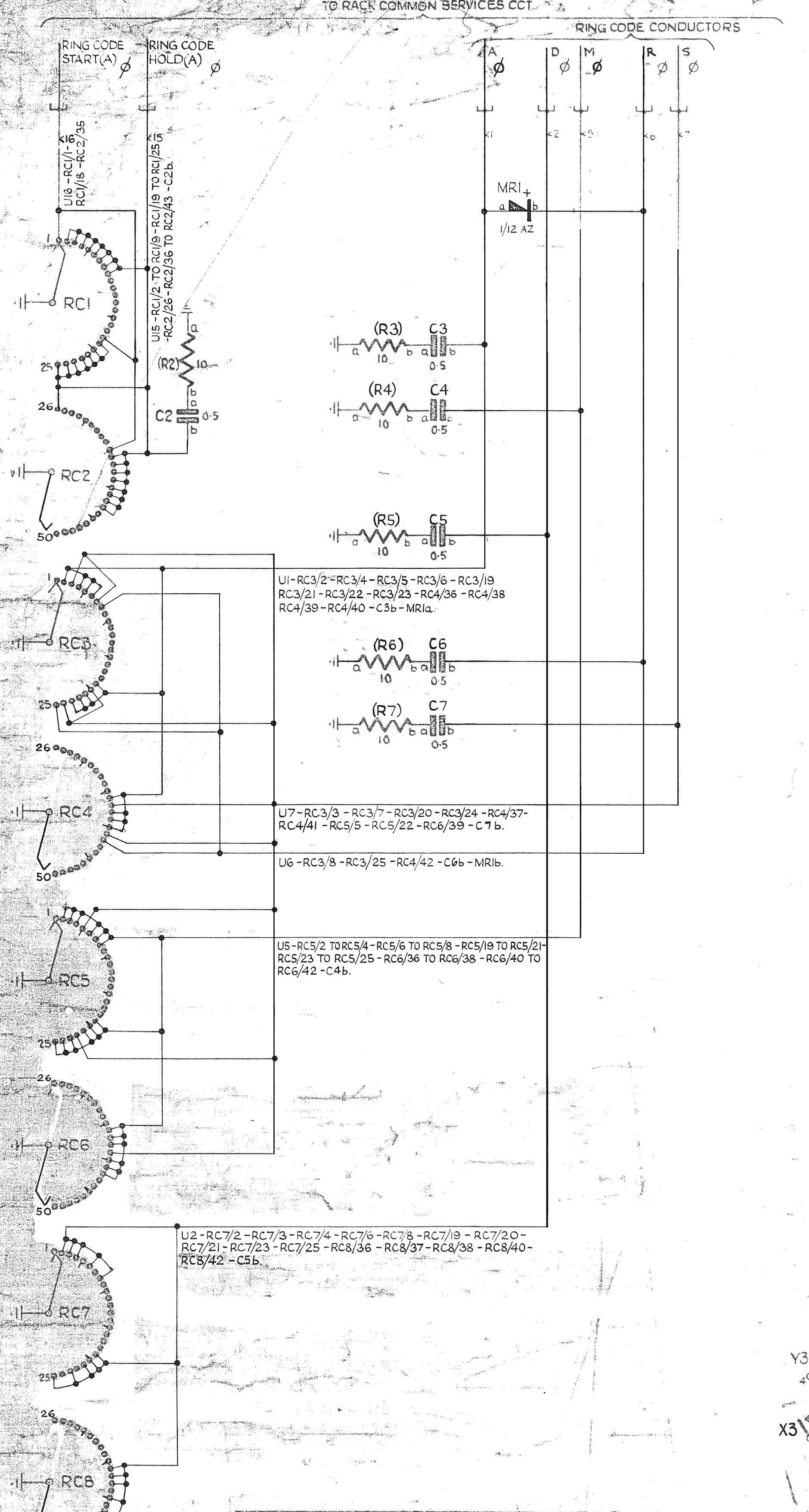


FIG 3 CODE RINGING CIRCUIT.

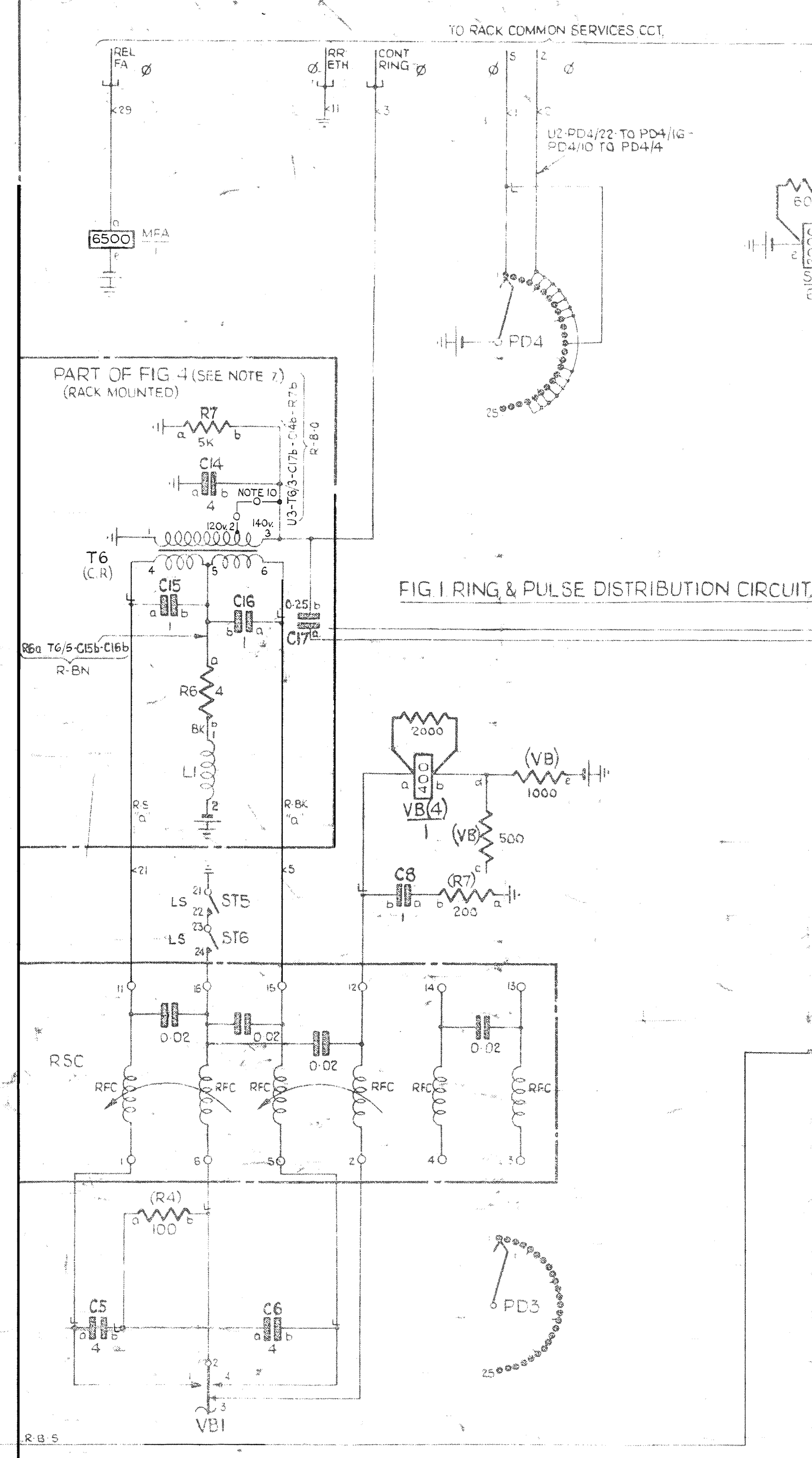
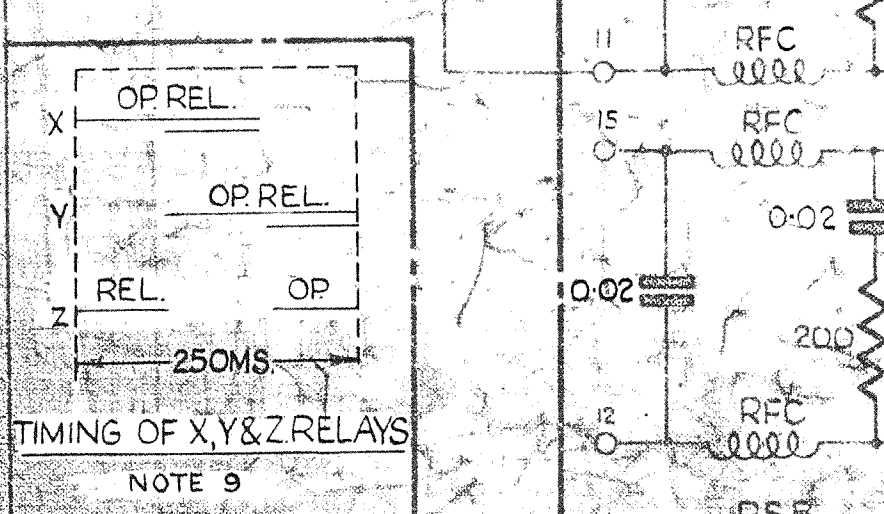


FIG 1 RING & PULSE DISTRIBUTION CIRCUIT.

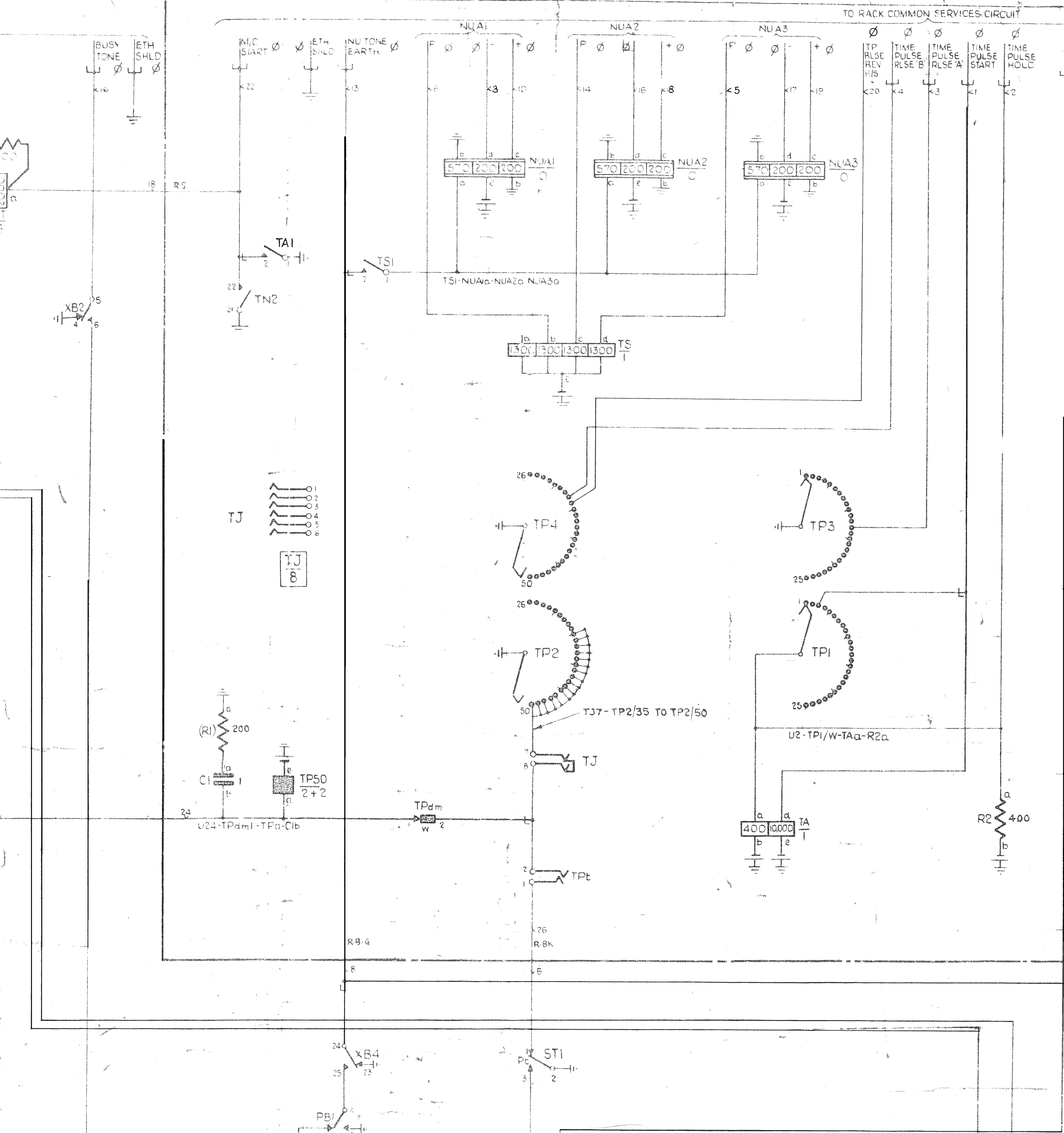


FIG 2 ALARMS & TIME PULSE CIRCUIT.

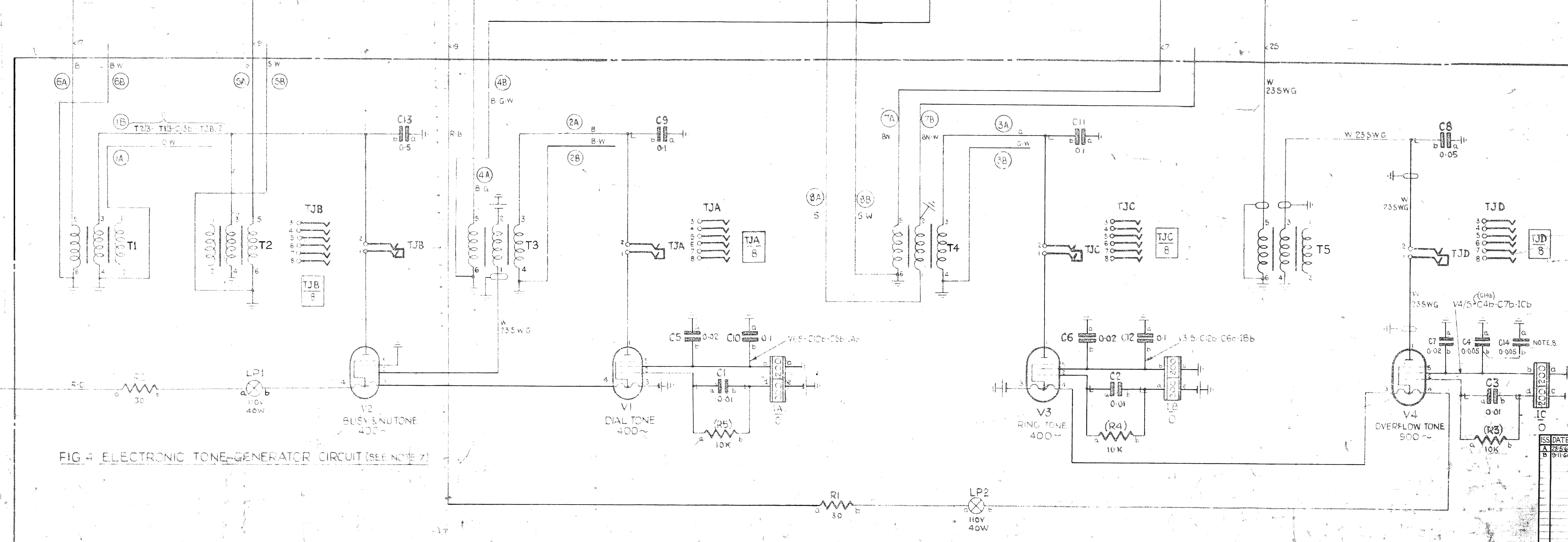
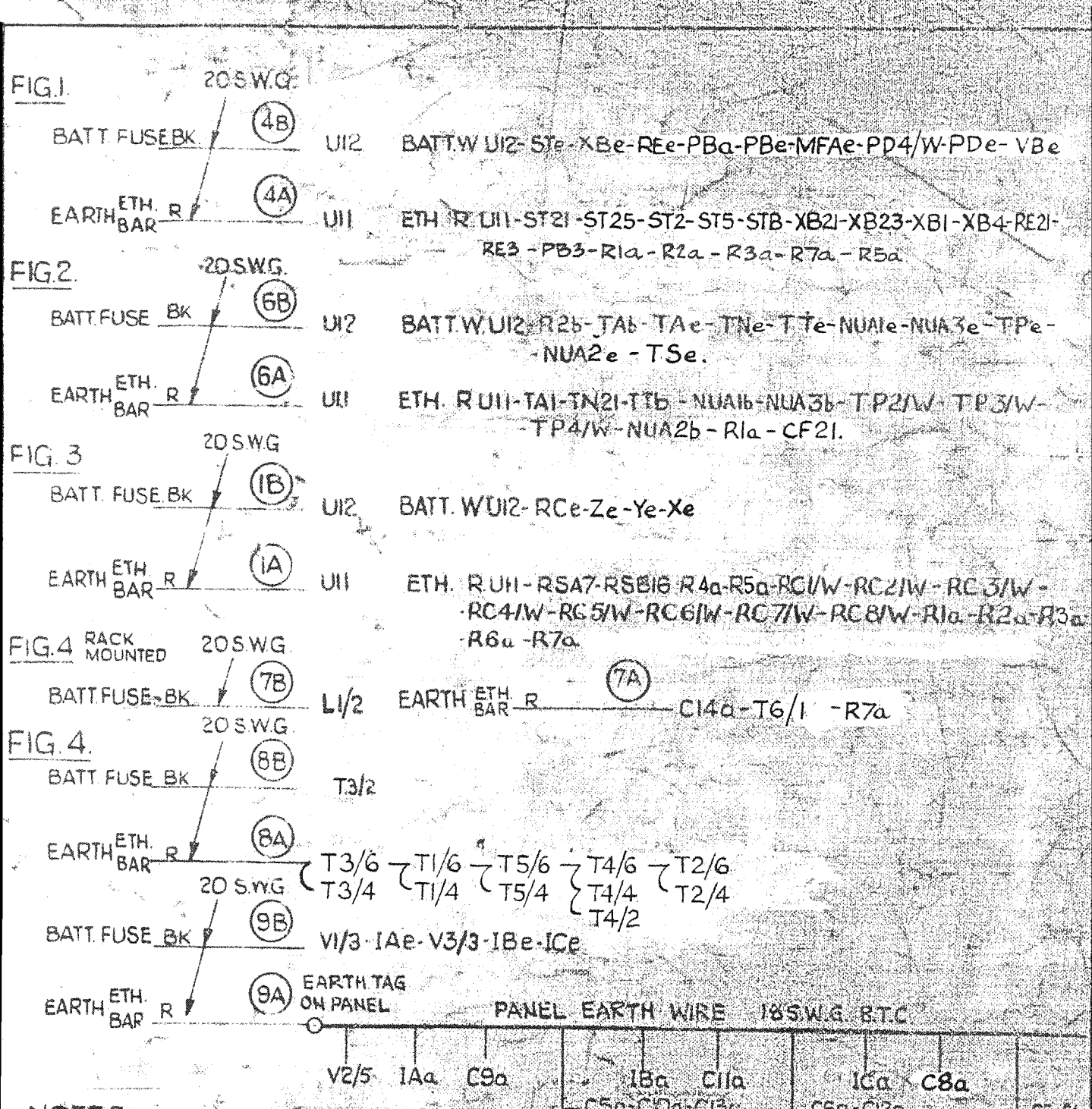


FIG 4 ELECTRONIC TONE-GENERATOR CIRCUIT (SEE NOTE 7)



- NOTES:**
1. FUSING - FIG. 1 - 1.5A PER C.C.T. FIG. 2 - 1.5A PER C.C.T. FIG. 3 - 1.5A PER C.C.T. FIG. 4 - VALVE C.C.T. 1.5A PER C.C.T. CHASE 1.5A PER C.C.T.
 2. INSERT SHELF STRIPS SHOWN THIS - X - (U1-U2) FOR 200V C.C.T. - (U3-U4) FOR 250V C.C.T.
 3. L.S. DENOTES LARGE SILVER CONTACTS. P.C. DENOTES PLATINUM CONTACTS.
 4. SHELF JACK U POINTS U3 & U11 NOT TO MAKE CONTACT WHEN RELAYS SET FOR 250V C.C.T.
 5. D FOR WIRING SEE 250V C.C.T. OR EQUIV.
 6. ALL WIRING UNLESS OTHERWISE SPECIFIED TO BE 20 SWG. WIRING OF PLUS IN UNITS TO LAP 25 SWG. BANK WIRING TO BE 25 SWG. S.L.C. ON ADJACENT CONTACTS TO BE WITH SLEEPING OR 25 SWG. ON NON ADJACENT CONTACTS WHEN INCLUDED IN RINGING CABLE.
 7. (APPLICABLE TO FIG. 4 ONLY) ALL WIRING UNLESS OTHERWISE STATED TO BE 20 SWG. ALL WIRING LOCAL TO VALVE PANEL TO BE 20 SWG. B.T.C. WITH GREEN SLEEPING.
 8. CAPACITOR C16 TO BE DISCONNECTED IF NECESSARY TO PREVENT 500 CYCLE TONE.
 9. RELAYS X1 & X2 TO BE ADJUSTED TO GIVE 100% TONE RESIDUALS WITH NORMAL TOLERANCES TO PRODUCE A CYCLE TIME OF 100 MS.
 10. ADJUST VOLTAGE ON SITE TO GIVE SATISFACTORY RINGING.

CODE NO.	RING CODE PERIODS
1	
2	
3	
4	
5	
6	
7	
8	
9	
0	
START	
HOLD	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	

UNISELECTOR CONTACT

RINGING TONE	TIME PULSE DELAY PERIODS (MINIMUM)
0.5 ON 0.25 OFF	60 SECS (FOR DISC SELLS & FINAL SELLS)
0.5 ON 1.75 OFF	180 SECS (FOR TUNE RELAY SETS)
BUSY TONE & OVERFLOW TONE	5 & 2 PULSES (FOR RELAY SETS)
0.5 ON 0.5 OFF	5 PULSE 250 MS
NU TONE	PAUSE 500 MS
0.05 ON 0.08 OFF	PULSE 1.75 SECS
0.05 ON 0.08 OFF	PAUSE 500 MS
0.05 ON 0.08 OFF	
0.05 ON 0.08 OFF	

DATE: 1963/10/10
 DRAWN: J. H. B. (13690)
 CHECKED: J. H. B. (13690)
 APPROVED: J. H. B. (13690)
 CHANGE: [] SLOW RELEASE [] SLOW RELEASE

RINGING TONES & ALARMS PULSE DISTRIBUTION & RINGING CODES REMOTE M UNIT NZUAX 13

ORIGIN: TEL. EOP. SECT. 13694
 REFERENCE: GBW 13690

FIG. 3. (CODE RINGING)

AS SEEN FROM REAR.

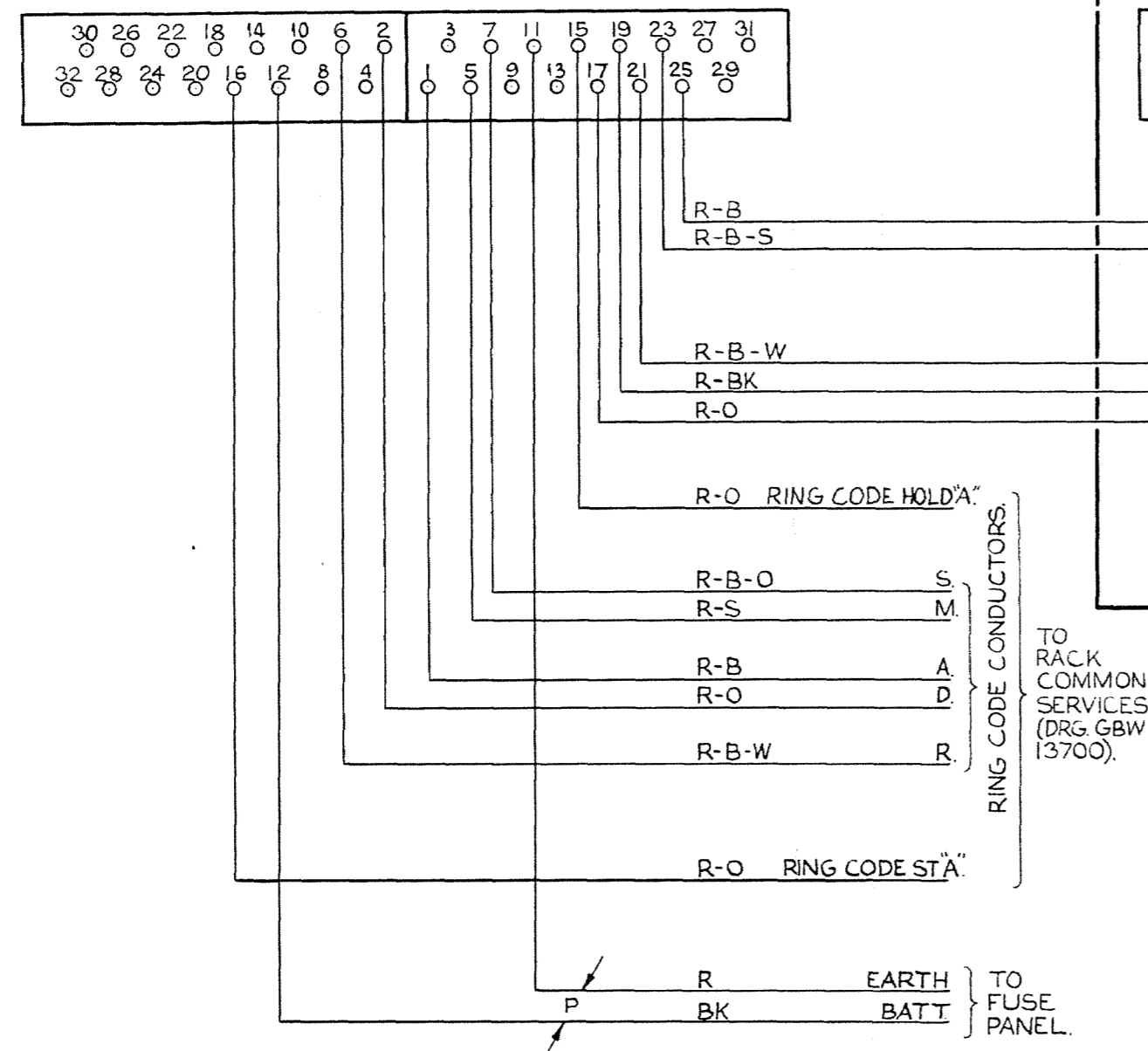


FIG. 2. (ALARMS & TIME PULSE)

AS SEEN FROM REAR

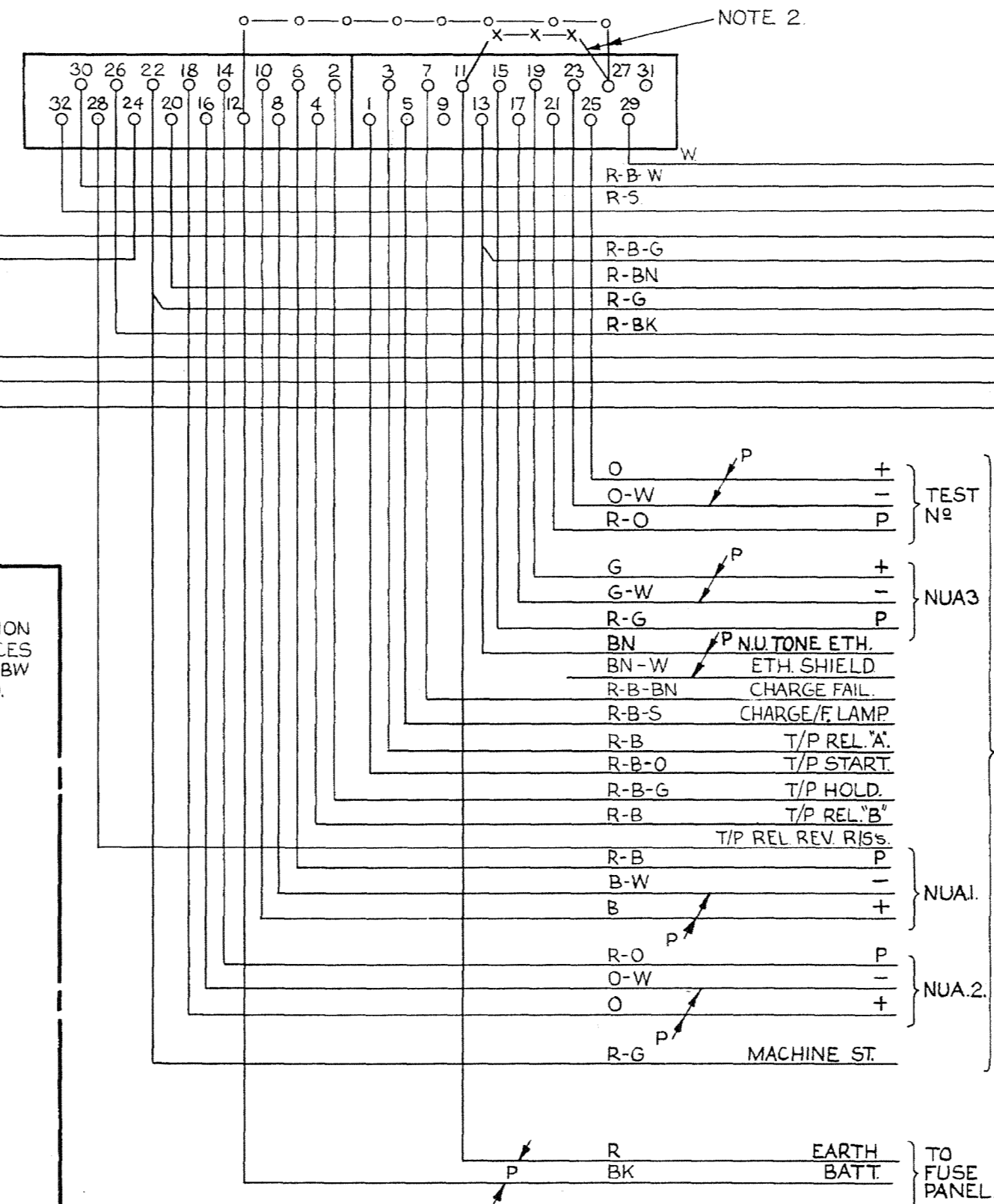
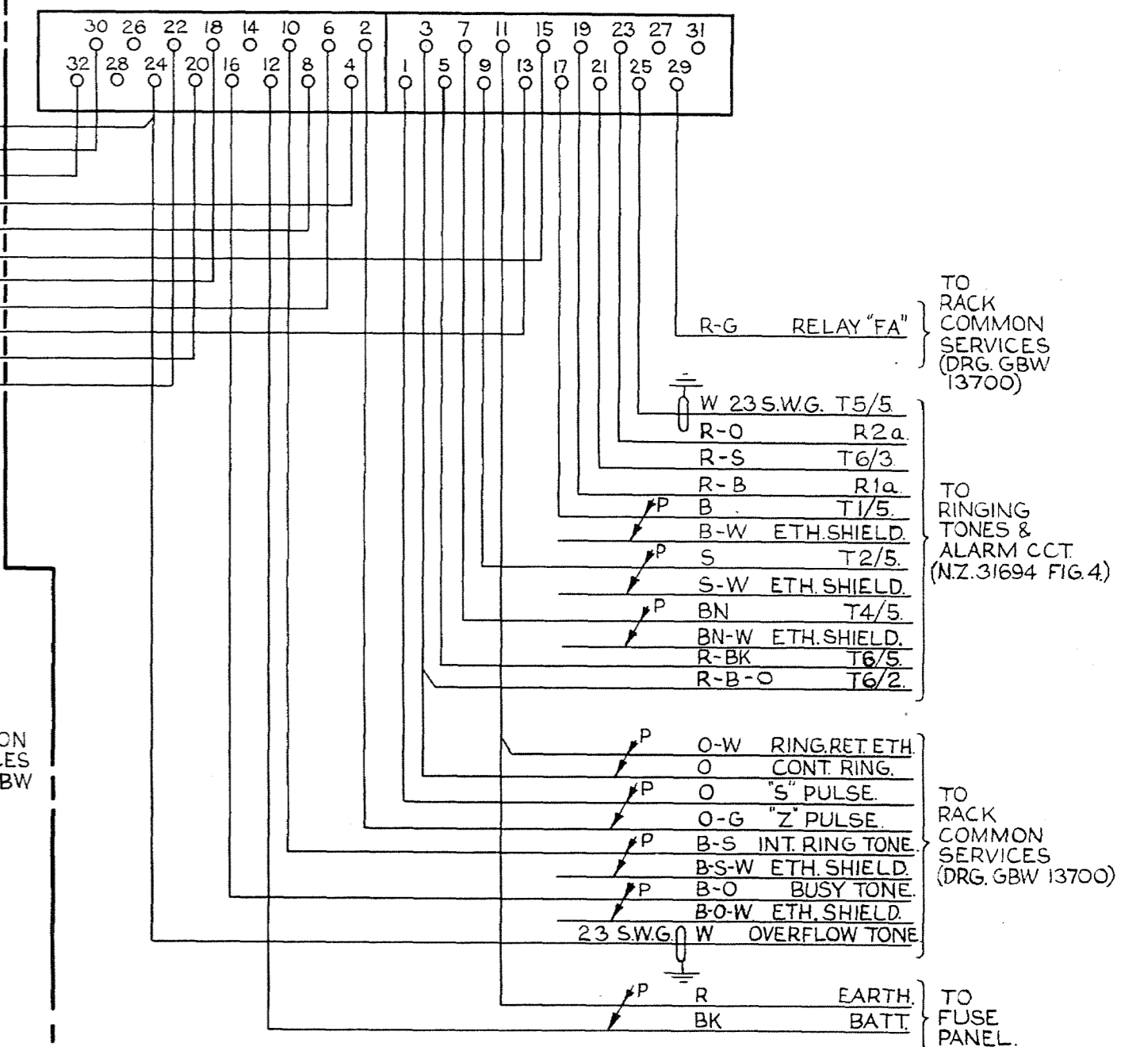


FIG. 1. (RING & PULSE DISTRIBUTION)

AS SEEN FROM THE REAR



NOTES:-

1. SHELF JACK 'U' POINTS 9 & 11 NOT TO MAKE CONTACT WHEN RELAY SETS FOR FIGS. 1, 2 & 3 ARE REMOVED.
2. INSERT STRAPS SHOWN THUS $\text{---} \times \text{---} \times \text{---}$ (U11-U27) OR THUS $\text{---} \text{---} \text{---}$ (U12-U27) AS REQD.
3. ALL WIRES UNLESS OTHERWISE SPECIFIED TO BE 20 S.W.G.

ISS	DATE	CHKD	APPD	DEL	ORDER	CHANGE	NEW ZEALAND POST OFFICE, ENGINEER-IN-CHIEF, WGTN.	
A	28.5.65	N.C.	7/8		7204	IF REL. REV. RJSS LEAD ADDED.	RINGING TONES & ALARMS PULSE DISTRIBUTION & RINGING CODES REMOTE M UNIT NZ.UAX.13.	
B	5.11.66				4243	LEADS V20, 29, 30, 32, FIG 2 ADDED.		
							ORIGIN TEL. EQPT. SECT	SIZE SHT.
							REFERENCE GBU. 13690	M 2
							DRAWN TEL. SEC. TRACED	31694 A
								B

N.Z.P.O. RELAY CODES & COMPONENTS LIST.

RELAY NAME	NZ.P.O. CODE	COY. CODE	B.C.C. CODE	B.P.O. CODE	NOTES	COMPONENT DESIGNATION	B.P.O. CODE	COY. CODE	NOTES
MFA			5071		FIG 1	FIG 1 R1,2,3,4,7	G		
PB			20793P		B "	R5,6	9		
RE			6010		"	C1,2,3,7C	101		
VB			20811		B "	C5,6	103A		
ST			92002		B "	C7A,7B	102		
XB			2018		"	RSC	SUPPRESSION UNIT		
CF			6008		FIG 2	U/S PD	2/47A 2/40		
NUA1			1524		"	D.I. S.C.A.	H51009 OR EQUIV. 1DST/844		NOTE 1. M.T.D. REAR OF RE. NOTE 1.
NUA2			1524		"	R1	FIG 2 G		
NUA3			1524		"	R2	9		MTD. AT REAR OF RELAY TN
TA			1804		"	C1	101		
TN			7175		"	U/S TP	2/46A 2/40		
TS			1529		"	TJ	21H.		
TT			1524		"	C9-12	102C		

NOTES: A SPECIAL FACTORS OF SAFETY. B SPECIAL ADJUSTMENTS. C CCT POINTS OR MODIFICATIONS.

NOTES.

1. SCA & DIODE D.I. ONLY REQUIRED WHEN "FIRE CALL OUT SCHEME" 27985 IS EQUIPPED.

FIG 1.

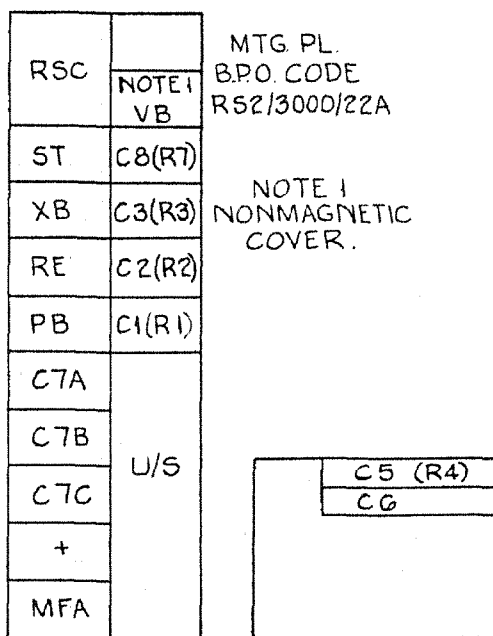
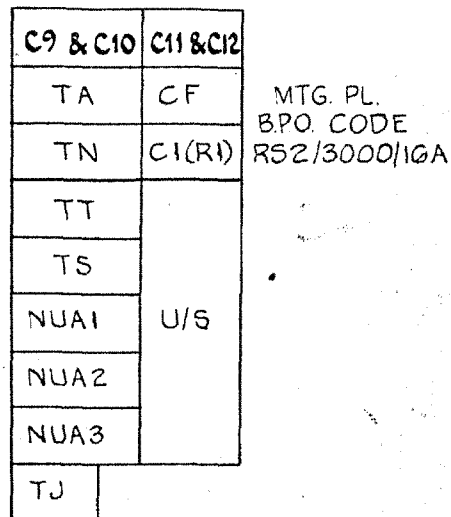


FIG 2.



ISS	DATE	CHKD	APPD	DEL	ORDER	CHANGE	NEW ZEALAND POST OFFICE ENGINEER IN CHIEF, WELLINGTON
A	28-5-65	N.C.	A.L.	F.J.W.	72054		<h2 style="margin: 0;">RINGING TONES & ALARMS</h2> <h3 style="margin: 0;">PULSE DISTRIBUTION &</h3> <h3 style="margin: 0;">RINGING CODES</h3> <h3 style="margin: 0;">REMOTE M UNIT. NZ UAX.13</h3>
B	14-11-66				46423	RETRACED FROM ISS A, 28.5.65. LAYOUT CHANGED. R2 NOW MOUNTED AT REAR.	
C	12-9-67					C9-12 ADDED.	
D	1-7-68					SCA, D.I. & NOTE 1 ADDED.	

ORIGIN	TEL. EQPT. SECT	SIZE	SHEET
		F	3
DRAWN	TEL. E. SEC.	TRACED	F.J.W.

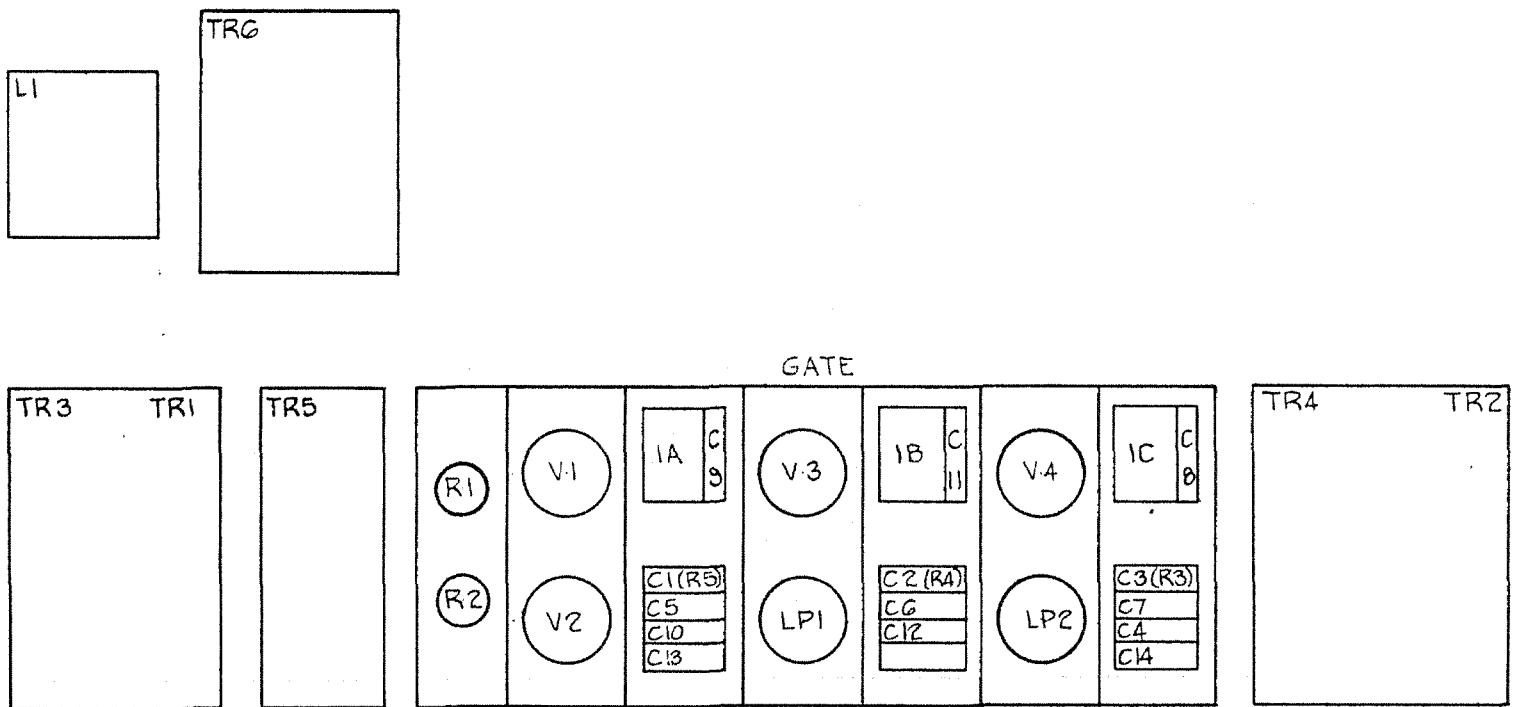
31694 B
 CD

N.Z.P.O. RELAY CODES & COMPONENTS LIST.

RELAY NAME	NZ.P.O. CODE	COY. CODE	B.C.C. CODE	B.P.O. CODE	NOTES	COMPONENT DESIGNATION	B.P.O. CODE	COY CODE	NOTES
IA			2202		FIG. 4	VI, V2, V3, V4.	FIG 4 CONTD	OSRAM KT2	
IB			2202		"	LPI, LP2.	110v 40w	EDISON SCREW	
IC			2202		"	R1, R2, R6.	9		R6 MTD BEHIND TR6.
						R3, R4, R5.	15		
						R7.	12		MTD BEHIND TR6.
						C1, 2, 3		GEC 42388	
						C4, C14	112		
						C5, 6, 7.	104		
						C8	106		
						C9, 10, 11, 12.	119		
						C13	100		
						C14	103A		MTD BEHIND TR6.
						C15, 16.	101		" " "
						C17.	115		" " "

NOTES: A SPECIAL FACTORS OF SAFETY. B SPECIAL ADJUSTMENTS. C CCT POINTS OR MODIFICATIONS.

FIG. 4
LAYOUT.



ISS	DATE	CHKD	APPD	DEL	ORDER	CHANGE	NEW ZEALAND POST OFFICE ENGINEER-IN-CHIEF WELLINGTON.
A	14-11-66				RY. 46433		RINGING TONES & ALARMS PULSE DISTRIBUTION & RINGING CODES REMOTE M UNIT N.Z. U.A.X.13
ENGINEER'S RECORD						DRAWN	TEL. EQPT. SECT
						F	5
						DRAWN	TEL. EQPT. SECT
						R.Y.	31694A