

1				2				3				4				5											
SHT NO	SIZE	SUB-TITLE						ISSUE						SHT NO	SIZE	SUB-TITLE						ISSUE					
26														1	A1	RURAL CARRIER ROUTED SCHEMATIC 24V FIGS 1 & 2						H					
27														2	A1	RURAL AND OOB CARRIER ROUTED SCHEMATIC 50V FIGS 3-5						H J K L					
28														3	A1	RURAL AND OOB CARRIER ROUTED SCHEMATIC 24V FIGS 6-8						H J					
29														4	A1	OUT OF BAND SIGNALLING ROUTED SCHEMATIC 50V FIG 9						H J K					
30														5	A1	OUT OF BAND SIGNALLING ROUTED SCHEMATIC 24V FIG 10						C D E					
31														6	A3	RURAL AND OOB CARRIER SCA WIRING FOR FIGS 3, 6, 9 & 10						B B					
32														7	A3	RURAL CARRIER RCCL FOR FIGS 1 & 2						B					
33														8	A3	RURAL AND OOB CARRIER RCCL FOR FIGS 3, 4 & 5						A B C D					
34														9	A3	RURAL AND OOB CARRIER RCCL FOR FIGS 6, 7 & 8						A B					
35														10	A3	OUT OF BAND SIGNALLING RCCL FOR FIG 9						A B C					
36														11	A3	OUT OF BAND SIGNALLING RCCL FOR FIG 10						A B					
37														12													
38														13													
39														14													
40														15													
41														16													
42														17													
43														18													
44														19													
45														20													
46														21													
47														22													
48														23													
49														24													
50														25													

**NOTE :**

FOR ALL NEW RURAL CARRIER 24V INSTALLATIONS, FIGS 6,7&8 TO BE PROVIDED

N	7 9 84	NS	AJB	FB	GCG	54322	SHTS 2, 4, 5, 8 & 10 AMD
M	11 2 82	N 5	AJB	IA	JR	80724	SHTS 2-5 & 8-11 AMD
L	10 2 82	BWC	DCW	AJC	LF	109064	SHT 6 AMD
K	27 11 80	TG	MM	WAH	JR	70605	IND REDRAWN. SHTS 8-11 ADDED SHTS 2-6 AMD FOR OOB WORKING
E	10 3 72	PAW	-	KG	CJW	30187	SHTS 1-4 RETRACED, SHTS 5 & IND ADDED TITLE AMD
ISS	DATE	DEL	DC	CKD	APD	ORDER	CHANGE

**SUBSCRIBERS TERMINATING RELAY SET FOR CB, AUTO, M & R LINES VIA RURAL & O.O.B. CARRIER**


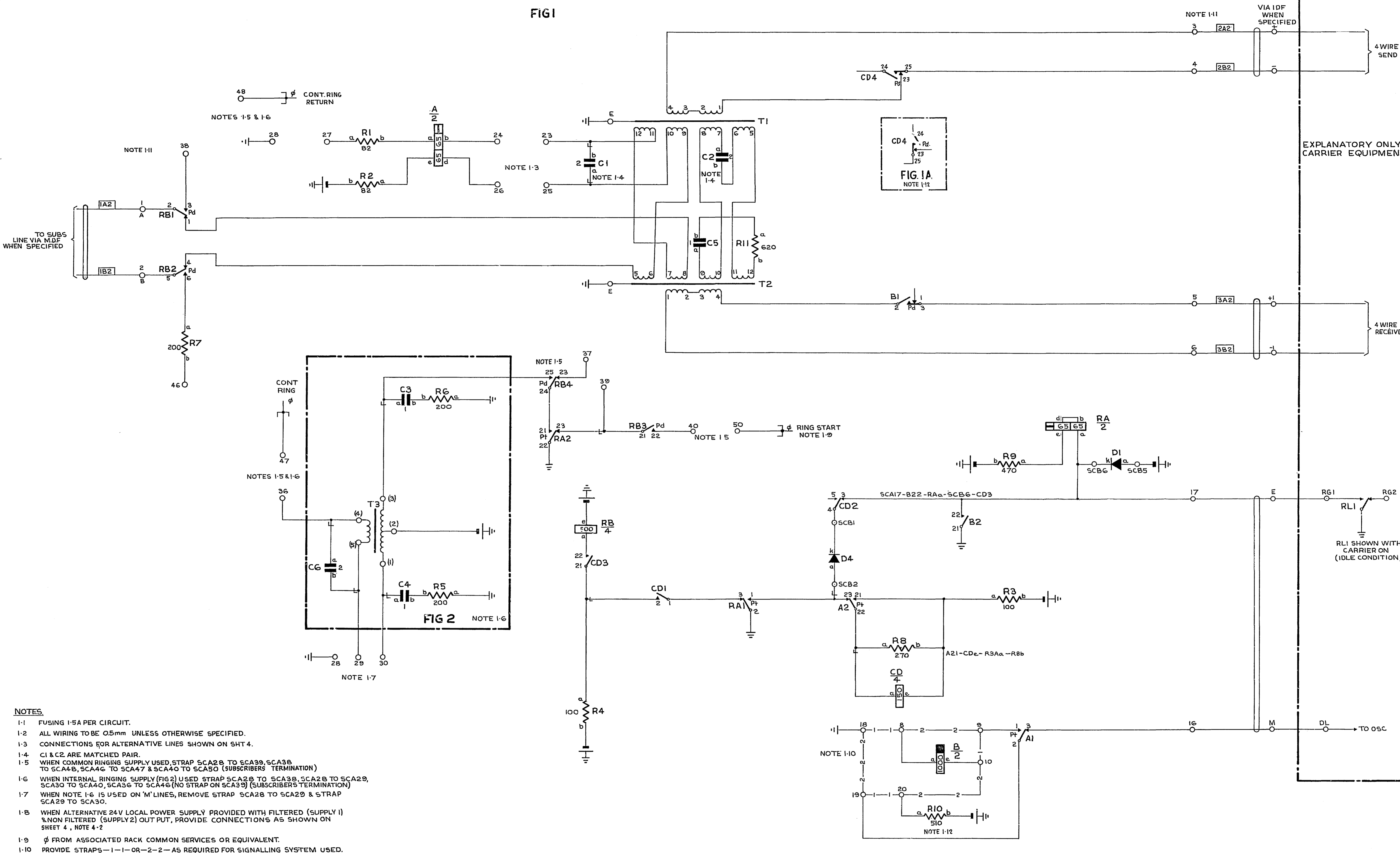
DRN: PAW	CKD: WAH	ORIGIN S.S
TCD: TG	APPD: JR	STANDARD
NZPO ENGINEER-IN-CHIEF, WELLINGTON		
	INDEX	36602
SIZE	A3	

FIG 1



- NOTES**
- 1-1 FUSING 1.5A PER CIRCUIT.
  - 1-2 ALL WIRING TO BE 0.5mm UNLESS OTHERWISE SPECIFIED.
  - 1-3 CONNECTIONS FOR ALTERNATIVE LINES SHOWN ON SHT 4.
  - 1-4 C1 & C2 ARE MATCHED PAIR.
  - 1-5 WHEN COMMON RINGING SUPPLY USED, STRAP SCA28 TO SCA39, SCA38 TO SCA48, SCA46 TO SCA47 & SCA40 TO SCA50 (SUBSCRIBERS TERMINATION)
  - 1-6 WHEN INTERNAL RINGING SUPPLY (FIG 2) USED STRAP SCA28 TO SCA38, SCA28 TO SCA29, SCA30 TO SCA40, SCA36 TO SCA46 (NO STRAP ON SCA39) (SUBSCRIBERS TERMINATION)
  - 1-7 WHEN NOTE 1-6 IS USED ON 'M' LINES, REMOVE STRAP SCA28 TO SCA29 & STRAP SCA29 TO SCA30.
  - 1-8 WHEN ALTERNATIVE 24V LOCAL POWER SUPPLY PROVIDED WITH FILTERED (SUPPLY 1) & NON FILTERED (SUPPLY 2) OUTPUT, PROVIDE CONNECTIONS AS SHOWN ON SHEET 4, NOTE 4-2
  - 1-9 φ FROM ASSOCIATED RACK COMMON SERVICES OR EQUIVALENT.
  - 1-10 PROVIDE STRAPS—1—1—OR—2—2—AS REQUIRED FOR SIGNALLING SYSTEM USED.
  - 1-11 UNLESS OTHERWISE SPECIFIED, ALL TERMINALS ARE ON STRIP CONNECTION AT REAR AND ARE DESIGNATED SCA IN WIRING RUN.
  - 1-12 WHEN SUBSCRIBERS LOOP CONDUCTOR RESISTANCE IS LESS THAN 300 OHMS, WIRE CD 4 RELAY SPRING SET AS FOR FIG 1A TO GIVE IMPROVED PULSING.

BATT FUSE V R22-0.7mm -SCA42 RBe-SCB5-(T3/2)-R3b-R9b-R4b-R10b  
 NOTE 1-8  
 SCA41 R2b

ETH ETH BAR R RA2 TAG-0.7mm -SCA31 SCA28-SCA18  
 B21(R5a-R6a)-RA22-RA2-T2/E-T1/E

NOT TO BE USED FOR NEW WORK

**24V**

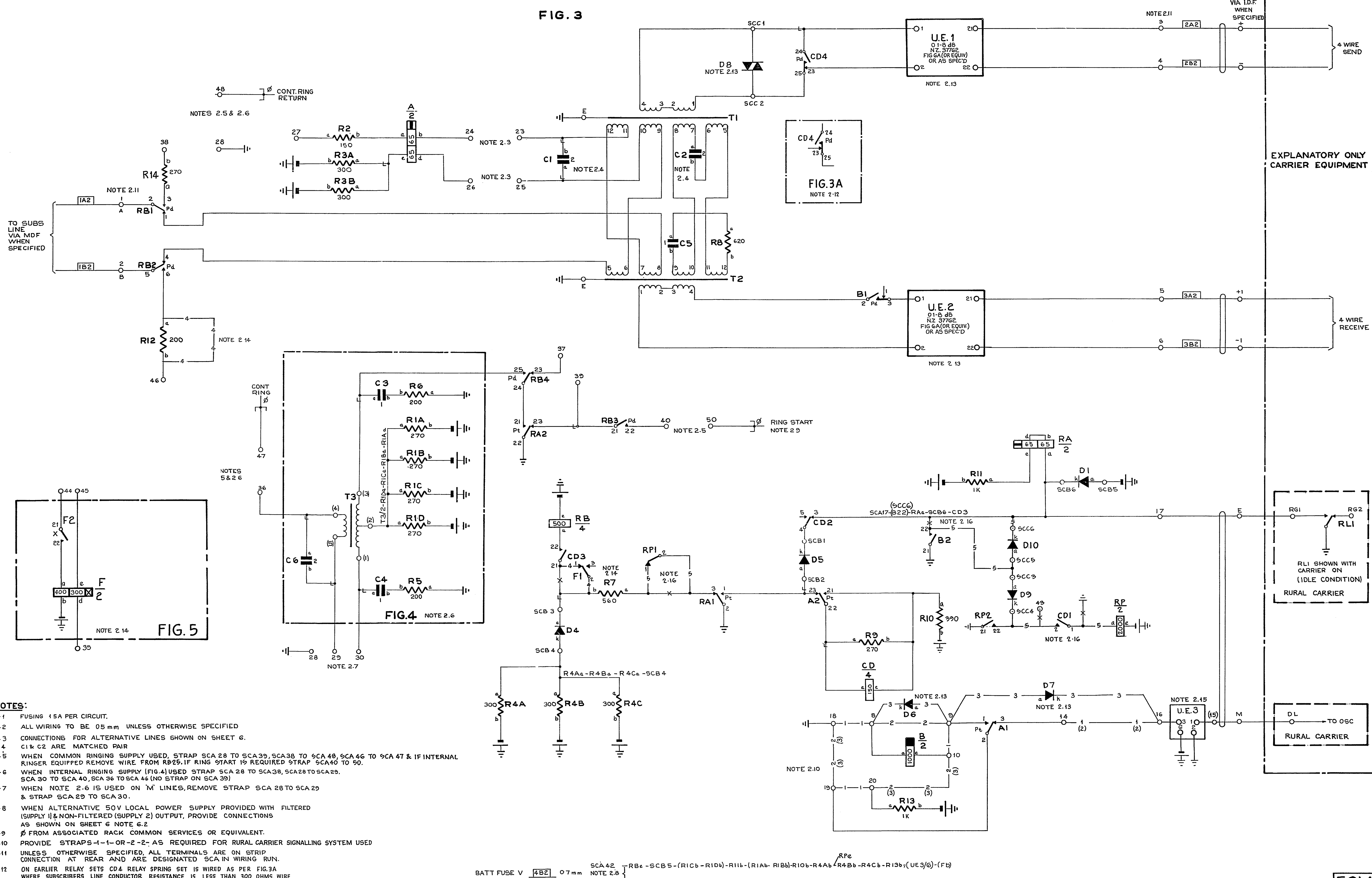
**SUBSCRIBERS TERMINATING RELAY SET**  
 (RURAL CARRIER ROUTED SCHEMATIC FIGS 1 & 2)

DATE	ISS	CHANGE	NZPO.
3-3-58	A	RETRACTED FROM 1958 24V R. RELAY. CAP C6, C6 & DIODE D4 ADDED	ENGINEER-IN-CHIEF WELLINGTON
30-9-58	E	WIRING ALTERED FOR CONTACTS. RS RELAY CODE CHANGED. S3B AND S3B ADDED	ORIGIN. T. EQPT
4-7-59	F	REVISION 1-12. ADD. RESTRICTION OF USE. NOTE ADDED.	DRAWN-T. EQPT. TRACED-PAW
11-3-62	H	REVISION 1-12. ADD. CLEARED. RS RELAY. CODE REVISED. FIG 1A & NOTE 1-12 REVISED.	SHT 1
			<b>36602</b>

EXPLANATORY ONLY  
 CARRIER EQUIPMENT

RL1 SHOWN WITH  
 CARRIER ON  
 (IDLE CONDITION)

FIG. 3



EXPLANATORY ONLY  
CARRIER EQUIPMENT

RL1 SHOWN WITH  
CARRIER ON  
(IDLE CONDITION)  
RURAL CARRIER

DL TO OSC  
RURAL CARRIER

- NOTES:**
- 2-1 FUSING 1.5A PER CIRCUIT.
  - 2-2 ALL WIRING TO BE 0.5mm UNLESS OTHERWISE SPECIFIED
  - 2-3 CONNECTIONS FOR ALTERNATIVE LINES SHOWN ON SHEET 6.
  - 2-4 C1 & C2 ARE MATCHED PAIR
  - 2-5 WHEN COMMON RINGING SUPPLY USED, STRAP SCA 28 TO SCA 39, SCA 38 TO SCA 40, SCA 46 TO SCA 47 & IF INTERNAL RINGER EQUIPPED REMOVE WIRE FROM RB25. IF RING START IS REQUIRED STRAP SCA 40 TO 50.
  - 2-6 WHEN INTERNAL RINGING SUPPLY (FIG.4) USED STRAP SCA 28 TO SCA 38, SCA 28 TO SCA 29, SCA 30 TO SCA 40, SCA 36 TO SCA 46 (NO STRAP ON SCA 39).
  - 2-7 WHEN NOTE 2.6 IS USED ON 'M' LINES, REMOVE STRAP SCA 28 TO SCA 29 & STRAP SCA 29 TO SCA 30.
  - 2-8 WHEN ALTERNATIVE 50V LOCAL POWER SUPPLY PROVIDED WITH FILTERED (SUPPLY 1) & NON-FILTERED (SUPPLY 2) OUTPUT, PROVIDE CONNECTIONS AS SHOWN ON SHEET 6 NOTE 6.2
  - 2-9 Ø FROM ASSOCIATED RACK COMMON SERVICES OR EQUIVALENT.
  - 2-10 PROVIDE STRAPS -1-1-OR-2-2- AS REQUIRED FOR RURAL CARRIER SIGNALLING SYSTEM USED
  - 2-11 UNLESS OTHERWISE SPECIFIED, ALL TERMINALS ARE ON STRIP CONNECTION AT REAR AND ARE DESIGNATED SCA IN WIRING RUN.
  - 2-12 ON EARLIER RELAY SETS CD4 RELAY SPRING SET IS WIRED AS PER FIG.3A WHERE SUBSCRIBERS LINE CONDUCTOR RESISTANCE IS LESS THAN 300 OHMS, WIRE CD4 RELAY SPRING SET AS SHOWN IN FIG.3 TO GIVE IMPROVED PULSING.
  - 2-13 FOR O.O.B WORKING PROVIDE:
    - (a) STRAP -3- AND DIODES D6 & D7 (DIODES TO BE MOUNTED ON SCA STRIP CONNECTION)
    - (b) LEVEL ADJUST PADS WILL BE REQUIRED IF THESE ARE NOT ALREADY INSTALLED IN THE TRANSMISSION EQUIPMENT.
    - (c) VARIATOR D8
  - 2-14 PROVIDE FIG.5 WHEN RING TRIP FACILITY IS SPECIFIED; STRAP SCA 44 TO 43 (IF NOTE 2.16 APPLIES OMIT STRAP SCA 44 TO 43 & STRAP SCA 44 TO 40, SCA 39 TO 28) SCA 35 TO 47, SCA 45 TO 46, PROVIDE STRAP -4-4- AND REMOVE WIRE SHOWN -X-
  - 2-15 WHEN JUNCTION IS CONNECTED TO AN ITT PCM SYSTEM OR ANY SYSTEM FEEDING +VE POTENTIAL ON THE M WIRE PROVIDE ELECTRONIC UNIT U.E.3 (NZ 36579 FIG 7) USING SCA (15) AND SCA 16 FOR M WIRE CONNECTION.
  - 2-16 TO PREVENT A RESEIZURE SIGNAL WHEN THE RELAY SET IS CONNECTED TO AN ELECTRONIC FAX AND COMMON RINGING SUPPLY IS USED PROVIDE WIRING SHOWN -5-5- AND RELAY RP, REMOVE WIRING SHOWN -X-; IF FIG.5 PROVIDED (NOTE 2.14) REMOVE STRAP SCA 44 TO 43 AND STRAP SCA 44 TO 40, SCA 39 TO 28.

BATT FUSE V  $\frac{4B2}{0.7mm}$  SCA 42 - RBc - SCB 5 - (RICb - R10b) - R11b - (R1Ab - R1Bb) - R10b - R4Ab - R4Bb - R4Cb - R13b; (UE 3/g) - (Fb)  
 SCA 41 - R3Ab - R3Bb

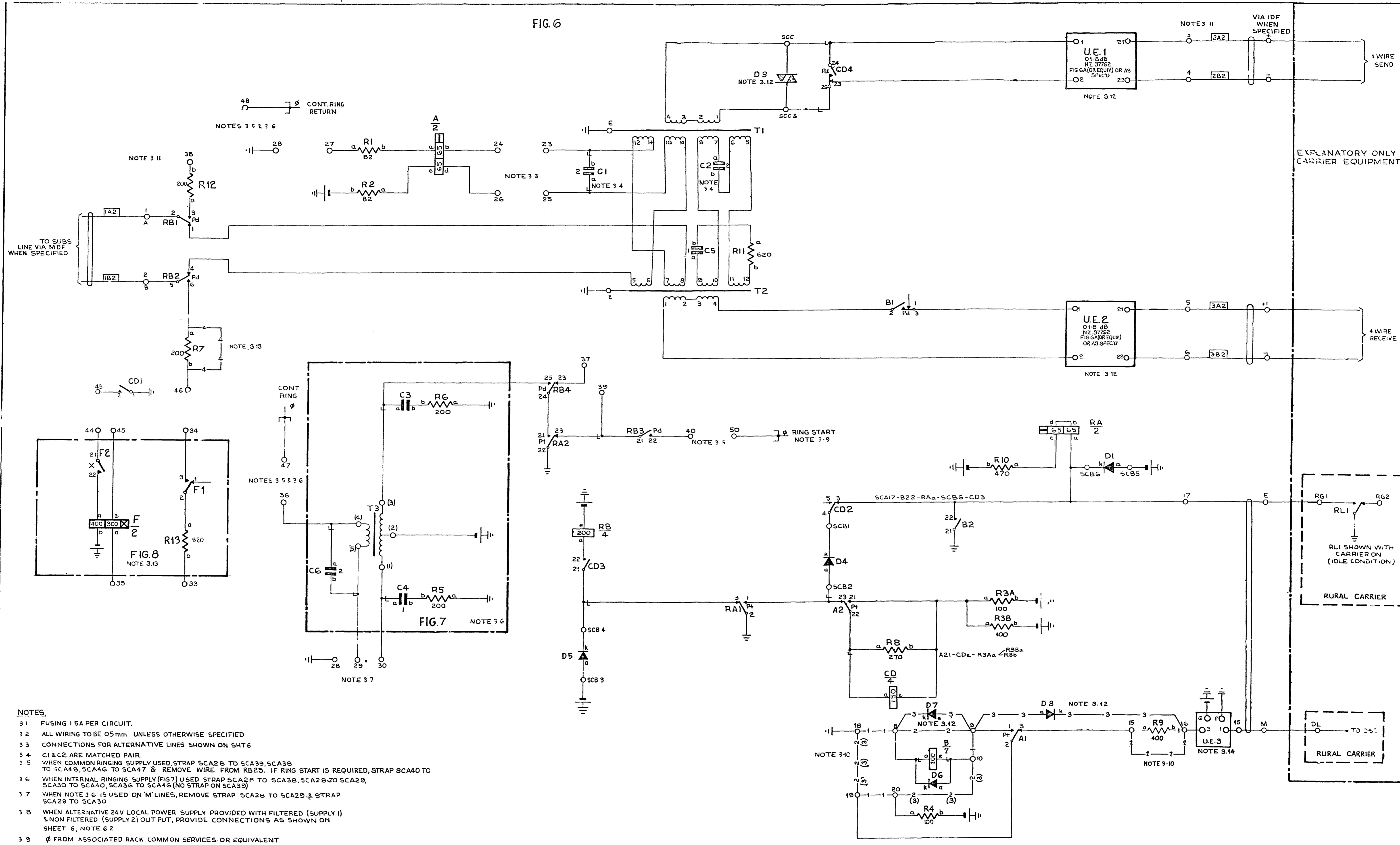
ETH ETH R  $\frac{4A2}{TAG 0.7mm}$  SCA 31 - B21 - (R5a - R6a) - RA2 - RA2 - T2/E - T1/E  
 SCA 41 - RP 21

**SUBSCRIBERS TERMINATING RELAY SET**  
(RURAL AND O.O.B CARRIER ROUTED SCHEMATIC FIGS 3, 4 & 5)

DATE	ISS	CHANGE	NZPO
29.1.59	A		ENGINEER - IN-CHIEF WELLINGTON
19.9.74	B	RETRACED FROM ISS D 21 4 71b RECA, CAP C5, C6 & DIODE D 5	ORIGIN: TEOPT
4-4-74	E	ADDED: ALTERED CD4 CONTACTS	
3-10-74	F	ADDED: FIG 3A - NOTE 2.14 ADDED	
27.11.84	G	ADDED FOR O.O.B WORKING: OPTIONAL RING TRIP FACILITY ADDED	
11.11.84	H	FIG 5 ADDED	
17.9.84	I	AMTD TO NZM X0 PARTS 1 & 2	

SHT 2 DRAWN: TEOPT TRACED: P.A.W.  
 AI 36602

FIG. 6



EXPLANATORY ONLY  
CARRIER EQUIPMENT

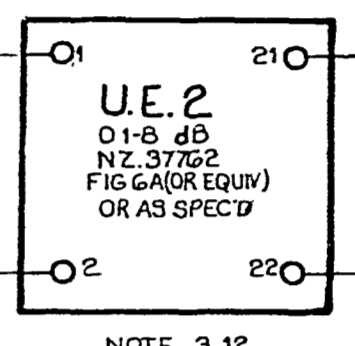
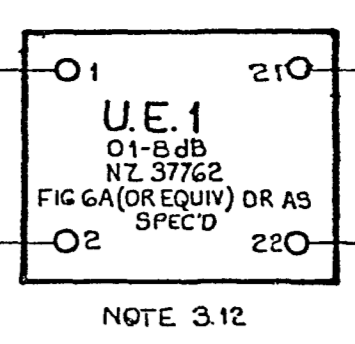
RURAL CARRIER

RURAL CARRIER

- NOTES**
- 3.1 FUSING 1.5A PER CIRCUIT.
  - 3.2 ALL WIRING TO BE 0.5mm UNLESS OTHERWISE SPECIFIED
  - 3.3 CONNECTIONS FOR ALTERNATIVE LINES SHOWN ON SHT 6
  - 3.4 C1 & C2 ARE MATCHED PAIR.
  - 3.5 WHEN COMMON RINGING SUPPLY USED, STRAP SCA2B TO SCA39, SCA3B TO SCA4B, SCA4G TO SCA47 & REMOVE WIRE FROM RB25. IF RING START IS REQUIRED, STRAP SCA40 TO SCA30 TO SCA40, SCA3G TO SCA4G (NO STRAP ON SCA39)
  - 3.6 WHEN INTERNAL RINGING SUPPLY (FIG.7) USED STRAP SCA2F TO SCA3B, SCA2B TO SCA29, SCA30 TO SCA40, SCA3G TO SCA4G (NO STRAP ON SCA39)
  - 3.7 WHEN NOTE 3.6 IS USED ON 'M' LINES, REMOVE STRAP SCA2B TO SCA29 & STRAP SCA29 TO SCA30
  - 3.8 WHEN ALTERNATIVE 24V LOCAL POWER SUPPLY PROVIDED WITH FILTERED (SUPPLY 1) & NON FILTERED (SUPPLY 2) OUTPUT, PROVIDE CONNECTIONS AS SHOWN ON SHEET 6, NOTE 6.2
  - 3.9 φ FROM ASSOCIATED RACK COMMON SERVICES OR EQUIVALENT
  - 3.10 PROVIDE STRAPS -1-1- OR -2-2- AS REQUIRED FOR RURAL CARRIER SIGNALLING SYSTEM USED
  - 3.11 UNLESS OTHERWISE SPECIFIED, ALL TERMINALS ARE ON STRIP CONNECTION AT REAR AND ARE DESIGNATED SCA IN WIRING RUN.
  - 3.12 FOR O.O.B WORKING PROVIDE:
    - (a) STRAP -3- AND DIODES D7 & D8 (DIODES TO BE MOUNTED ON SCA STRIP CONNECTION)
    - (b) LEVEL ADJUST PADS WILL BE REQUIRED, IF THESE ARE NOT ALREADY INSTALLED IN THE TRANSMISSION EQUIPMENT.
    - (c) VARIATOR D9.
  - 3.13 PROVIDE FIG.8 WHEN RING TRIP FACILITY IS SPECIFIED, STRAP SCA49, TO 4.4, SCA 35 TO 4.7, SCA 45 TO 4.6, SCA 24 TO 3.4, SCA 2G TO 3.3, PROVIDE STRAP -4-4- IF USED WITH NZPO PABX, OMIT SCA 24-3.4, AND INSTEAD STRAP SCA 2B TO 3.4
  - 3.14 WHEN JUNCTION IS CONNECTED TO AN ITT PCM SYSTEM OR ANY SYSTEM FEEDING +VE POTENTIAL ON THE 'M' WIRE PROVIDE ELECTRONIC UNIT, U.E.3 (NZ.36579 FIG.7) USING SCA 15 & SCA16

BATT FUSE V 4B2-07mm -SCA42 RB e-SCB3-SCB5 (T3/2)-R3Ab-R3Bb-R9b-R10b-(UE2/G)-(Fb)  
 NOTE 3.8  
 SCA41 R2b

ETH BAR R 4A2 TAG-07mm -SCA31-B21(R5a-R6a)-RA22-RA2-T2/E-T1/E  
 SCA2B-SCA1B-(UE3/2)



NOTE 3.11

NOTE 3.12

NOTE 3.13

NOTE 3.14

NOTE 3.10

NOTE 3.12

NOTE 3.14

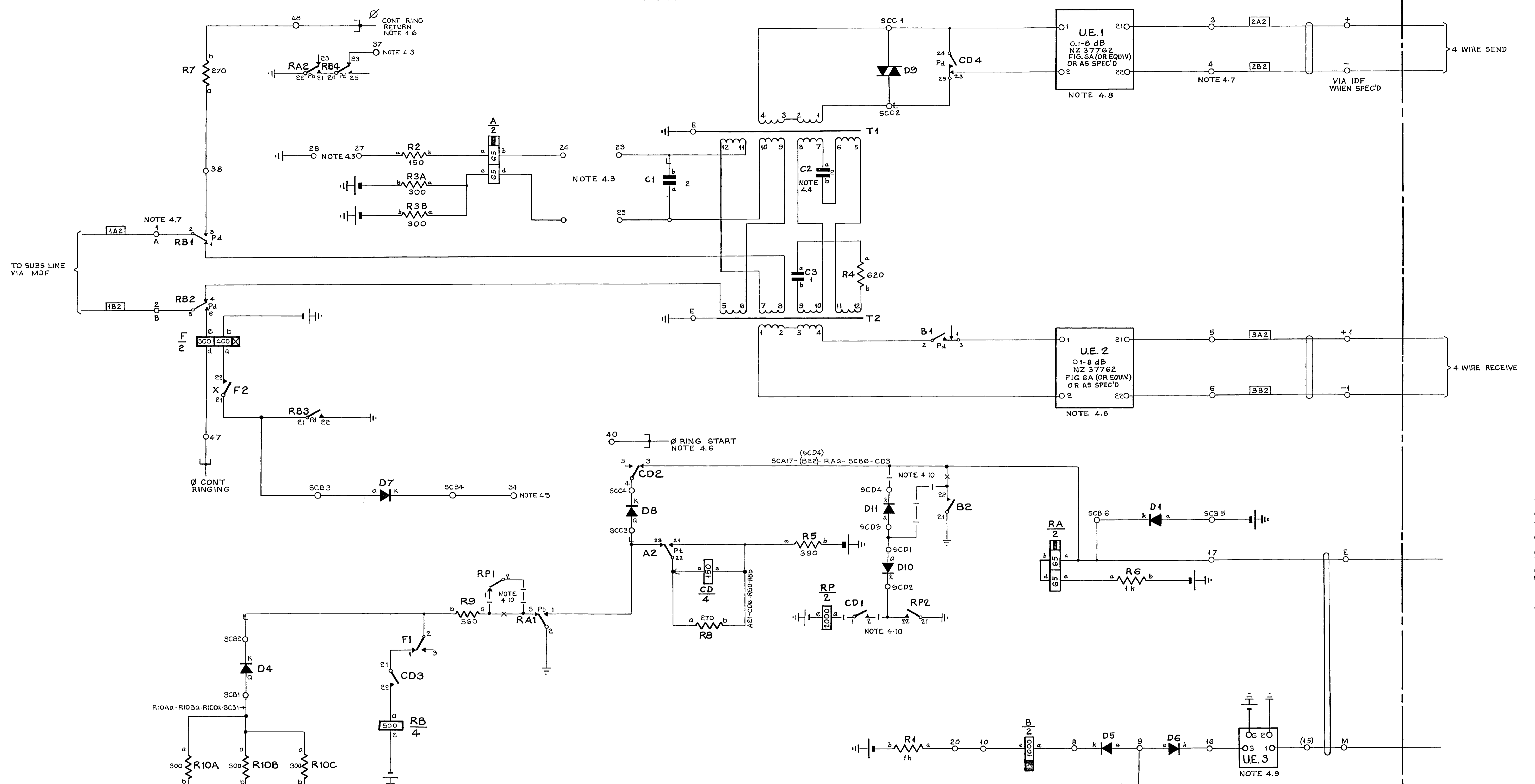
**24V**

**SUBSCRIBERS TERMINATING RELAY SET**  
 (RURAL AND O.O.B CARRIER ROUTED SCHEMATIC FIGS 6, 7 & 8)

DATE	ISS	CHANGE	NZPO
24.2.73	F	NEW INFORMATION FIGS 5 & 6	ENGINEER-IN-CHIEF, WELLINGTON
11.2.74	G	AMEND FOR OOB WORKING & OPTIMAL RING TRIP FACILITY ASREQ	ORIGIN: S.S.
11.11.82	H	NOTE 3.13, INFO ADDED TO	

SHT. 3 DRAWN: S.S.  
**A1 36602**

FIG. 9



- NOTE:**
- 4.1 FUSING 1.5 A PER CIRCUIT
  - 4.2 ALL WIRING TO BE 0.5mm UNLESS OTHERWISE SPECIFIED.
  - 4.3 CONNECTIONS FOR ALTERNATIVE LINES SHOWN ON SHEET G
  - 4.4 C1 AND C2 ARE A MATCHED PAIR
  - 4.5 WHEN RING START REQUIRED FOR CONTINUOUS RINGING STRAP SCA34 TO SCA40
  - 4.6 Ø FROM ASSOCIATED RACK COMMON SERVICES OR EQUIVALENT
  - 4.7 UNLESS OTHERWISE SPECIFIED ALL TERMINALS ARE ON STRIP CONNECTION AT REAR AND ARE DESIGNATED SCA IN WIRING RUN.
  - 4.8 LEVEL ADJUST PADS WILL BE REQUIRED WHEREVER THEY ARE NOT SEPARATELY INSTALLED WITH THE TRANSMISSION EQUIPMENT.
  - 4.9 REQUIRED WHEN JUNCTION IS CONNECTED TO AN ITT PCM SYSTEM OR ANY SYSTEM FEEDING +VE POTENTIAL ON THE M WIRE UTILISING SCA(15) AND SCA 16 FOR M WIRE CONNECTION.
  - 4.10 WHERE REQUIRED TO PREVENT FALSE RESEIZURE TO ELECTRONIC PAD'S ON RELEASE PROVIDE WIRING SHOWN -I-I- AND RELAY RP, REMOVE WIRING SHOWN -X-

BATT. FUSE V 4B2 0.7mm  
 ETH BAR R 4A2 TAG 0.7mm

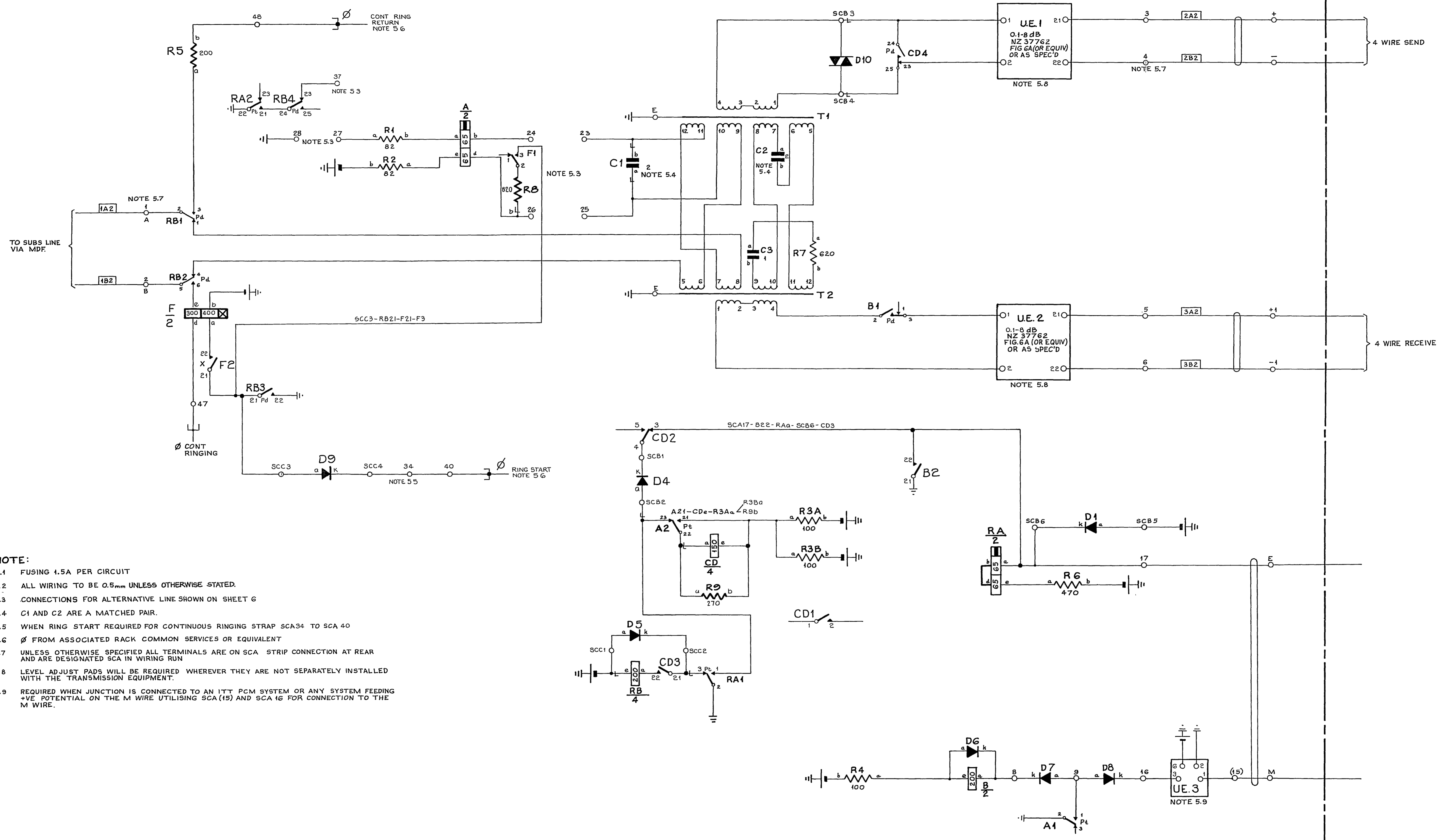
SCA 41-RBe-SCB5-R5b-R6b-Fb-R10Ab-R10Bb-R10Cb-(UE3/6)-R1b-R3Ab-R3Bb  
 SCA 28-SCA31-B21-(UE3/2)-RA22-RA2-RB22-A2-T2/E-T1/E-  
 Z-RP21

**SUBSCRIBERS TERMINATING RELAY SET**  
 (OUT OF BAND SIGNALLING ROUTED SCHEMATIC FIG. 9)

DRN. S.S.		CKD: KG	ORIGIN. S.S.
TCD. TG		APPD. CJW	STANDARD
NZPO ENGINEER-IN-CHIEF, WELLINGTON			
SHT 4		36602	
SIZE A1			

UD 237

FIG.10



- NOTE:**
- 5.1 FUSING 1.5A PER CIRCUIT
  - 5.2 ALL WIRING TO BE 0.5mm UNLESS OTHERWISE STATED.
  - 5.3 CONNECTIONS FOR ALTERNATIVE LINE SHOWN ON SHEET 6
  - 5.4 C1 AND C2 ARE A MATCHED PAIR.
  - 5.5 WHEN RING START REQUIRED FOR CONTINUOUS RINGING STRAP SCA34 TO SCA 40
  - 5.6 Ø FROM ASSOCIATED RACK COMMON SERVICES OR EQUIVALENT
  - 5.7 UNLESS OTHERWISE SPECIFIED ALL TERMINALS ARE ON SCA STRIP CONNECTION AT REAR AND ARE DESIGNATED SCA IN WIRING RUN
  - 5.8 LEVEL ADJUST PADS WILL BE REQUIRED WHEREVER THEY ARE NOT SEPARATELY INSTALLED WITH THE TRANSMISSION EQUIPMENT.
  - 5.9 REQUIRED WHEN JUNCTION IS CONNECTED TO AN ITT PCM SYSTEM OR ANY SYSTEM FEEDING +VE POTENTIAL ON THE M WIRE UTILISING SCA (15) AND SCA 16 FOR CONNECTION TO THE M WIRE.

BATT FUSE V 4B2 0.7mm  
 ETH ETH BAR R 4A2 TAG 0.7mm  
 SCA 41 - RB2 - SCC1 - SCB5 - Fb - R4b - R6b - (UE3/6) - R3Ab - R3Bb - R2b  
 SCA31 ← SCA28 B21 - (U3/2) - RA22 - RA2 - RB22 - A2 - T2E/T1E

**SUBSCRIBERS TERMINATING RELAY SET**  
 (OUT OF BAND SIGNALLING ROUTED SCHEMATIC FIG.10)

E 17 9 84 REF TO PABX EXCH LINE USE SHT. 2, DELETED		
D 11 11 81 STRAP - SCC3 - RB21 - F21 - F3 ADDED		
C 11 11 83 REDRAWN FROM 105 5 24 83 NEW INFO. TITLE AND		
A 10 3 72		
ISS DATE	CHANGE	
DRN: S.S.	CKD: KG	ORIGIN: S.S.
TCD: T.G.	APPD: C.J.W.	STANDARD
NZPO ENGINEER-IN-CHIEF, WELLINGTON		
SHT 5		36602
SIZE A1		

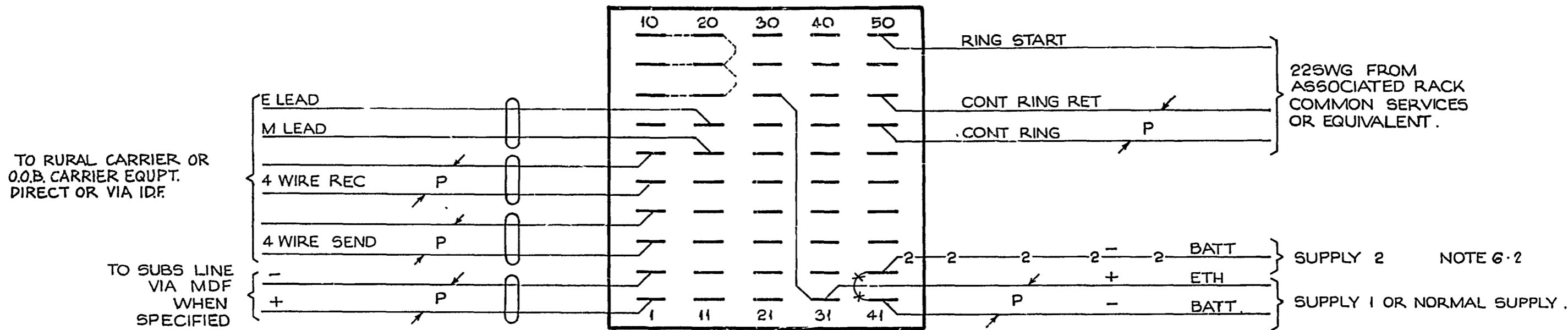
24V

O.O.B CARRIER EQUIPMENT

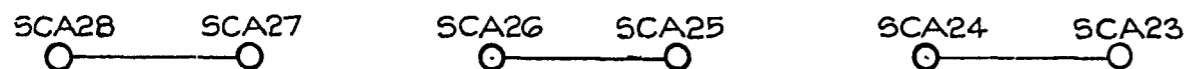
UD 237

SCA

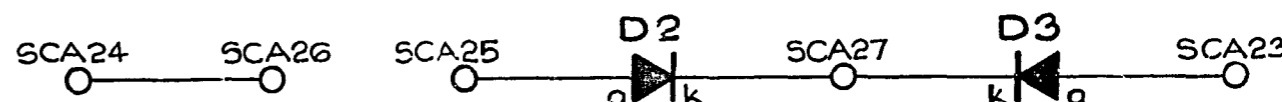
STRAP AS REQUIRED



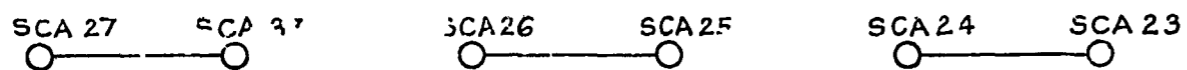
CONNECTIONS USED ON INDIVIDUAL AUTO, CB & 'M' LINES



CONNECTIONS USED ON SIMPLEX 'R' LINES



CONNECTIONS USED ON NZPO P.A.B.X EXCHANGE LINES



NOTE 6.1

NOTE:

- 6.1 STRAP PABX EXCH. LINE CCT. FOR RING RETURN EARTH
- 6.2 WHEN SEPARATE FILTERED BATTERY SUPPLIED, OMIT STRAP ~~X~~ AND PROVIDE STRAP — 2 —.

SUBSCRIBERS TERMINATING RELAY SET

(RURAL AND O.O.B. CARRIER SCA WIRING FOR FIGS 3, 6, 9 & 10)

DEL	CKD	APD	ORDER	DATE	ISS	CHANGE	N.Z.P.O.	
							ENGINEER-IN-CHIEF, WELLINGTON.	
							JOY N2	ORIGIN S.S.
							DRAWN S.S.	TRACED. Phil
							A3	36602

# RELAY CODES AND COMPONENTS LIST

RELAY NAME	B.C.C. CODE	N Z P.O. CODE	B P.O. CODE	COY CODE	NOTES	COMPONENT DESIGNATION	B P.O. CODE	COY CODE	NOTES	MISC COMPONENTS	NOTES
A	HSD 710				B	R1-2	9		82 $\Omega$	STRIP CONN	121 SCA
CD		50490AB				R3, R4			100 $\Omega$	BRACKET	1/SBA/13
RA	HSD 710				B	R5-6	6		200 $\Omega$ MTD. ON CAP C3b & C4b	CAP. CLIP	42
B		50585 VD				R7	9		200 $\Omega$	POST	64mm 89mm
RB		50586 AB				R8	9		270 $\Omega$	H/S REL COVER	BW REL A&RA
						R9	9		470 $\Omega$		1/DST/844 (SCB)
						R10	12		510 $\Omega$	TERM STRIP	SCREWS 48A
						R11		RADIO TYPE	620 $\Omega$ $\frac{1}{4}$ W $\pm$ 1% MTD T2		INSULATING PLATE
						C1-2	102C		2 $\mu$ F MATCHED PAIR	MTG. PLATE	F151/20AH
						C3-4	101		1 $\mu$ F	MTG. PLATE	F151/21AH
						C5		8006	1 $\mu$ F NOTE 5.1		
						C6		8007	2 $\mu$ F NOTE 5.2		
						T1-2		TRIMAX	TA2272 TRANSFORMER		
						T3		TELECO BM43 OR EQUIV	TRANSFORMER		
						D1-4		IN4007 OR EQUIV.	DIODE NOTE 5.3		

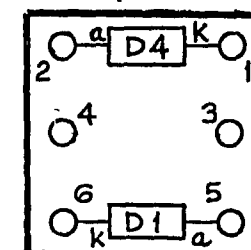
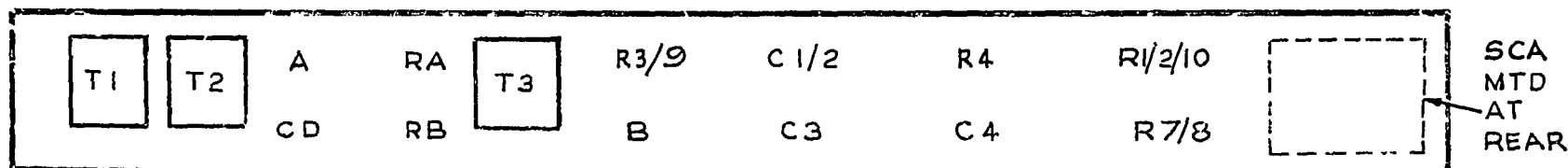
**NOTES**

A - SPECIAL FACTORS OF SAFETY B - SPECIAL ADJUST C - CCT POINTS OR MODS

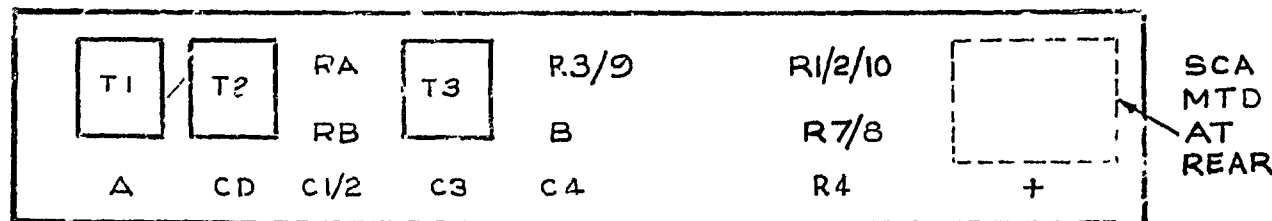
10 x 2 FRONT

LAYOUT

SCB  
(MTD REAR RA)



3 x 7



**NOTES**

- 5.1 MTD. TRANSFORMER T2
- 5.2 MTD. TRANSFORMER T3
- 5.3 DIODES D2-D3 PROVIDED FOR R LINES ONLY AND MOUNTED ON SCA

NOT TO BE USED FOR NEW WORK

24V

## SUBSCRIBERS TERMINATING RELAY SET

(RURAL CARRIER  
RCCL FOR FIGS 1 & 2)

DEL	CKD	APD	ORDER	DATE	ISS	CHANGE	N Z P.O.
<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	3 10 74	A		ENGINEER-IN-CHIEF WELLINGTON
				13 2-60	B	WAS SHT 5 RELAY & COMP CODES AMD	COY NO: ORIGIN S.S.
							SHT 7 DRAWN S.S. TRACED PA W
							36602



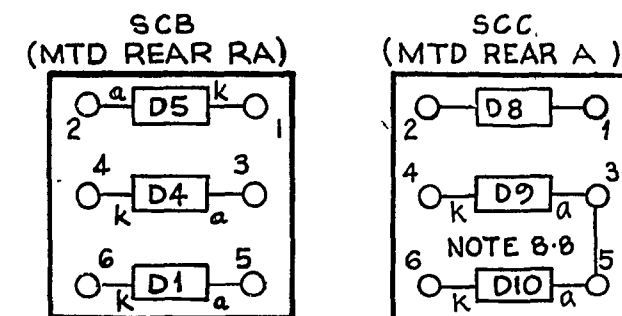
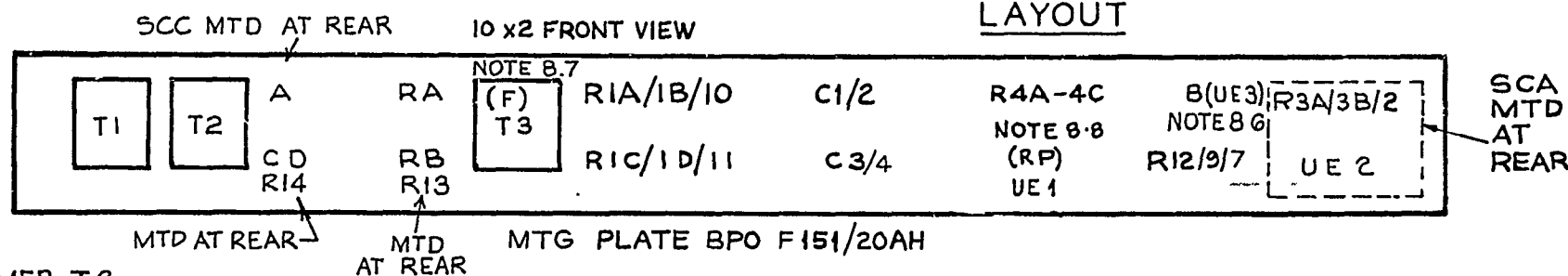
# RELAY CODES AND COMPONENTS LIST

RELAY NAME	BCC CODE	NZ PO CODE	BPO CODE	COY CODE	NOTES	STOCK LIST NO	COMPONENT DESIGNATION	BPO CODE	COY CODE	NOTES	STOCK LIST NO	MISC COMPONENTS	NOTES	STOCK LIST NO
A	HSD 710				B		RIA-RID	9		270 <sup>n</sup> NOTE 8.4		STRIP CONN	121 SCA	
CD		50490 AB					R2	12		150 <sup>n</sup>		SC BRACKET	1/SBR/131	
RA	HSD 710				B		R3A-R3B	9		300 <sup>n</sup>		CAP CLIP	42	
RB		50586 AB					R4A-R4C	9		300 <sup>n</sup>		POST	64 mm, 89 mm	
B		50585 VD(6)					R5-R6	6		200 <sup>n</sup> MTD ON AP NOTE 8.4 C3b & C4b			1/DST/844 (SCB, SCC)	
F		54242 KA			8.7		R7	9		560 <sup>n</sup>		TERM. STRIP	INSULATING PLATE	
RP	B6494				8.8	L98B	R8		RADIO TYPE	620 <sup>n</sup> 1/4 W .1% MTD T2			SCREWS	
							R9 & R14	9		270 <sup>n</sup>		H/S REL COVER	BW REL.A & RA	
							R10	9		390 <sup>n</sup>		MTG PLATE	F151/20AH	
							R11 & R13	9		1K		MTG PLATE	F151/21AH	
							R12	9		200 <sup>n</sup>		UE 1 & 2	PAD NZ 37762 AS SPECIFIED	
												UE 3	ELECTRONIC UNIT NOTE NZ 36579 FIG 7 8.6	
							T1-T2		TRIMAX	TA2272 TRANSFORMER				
							T3		TELECO BM43 OR EQUIV	TRANSFORMER NOTE 8.4		POST FIXING	SPECIAL	
							C3-C4	101		1 $\mu$ F NOTE 8.4		NUTS	N01/ DNU/130 1/2"	
							C1-C2	102C		2 $\mu$ F MATCHED PAIR				
							C5		8006	1 $\mu$ F NOTE 8.1				
							C6		8007	2 $\mu$ F NOTE 8.2 & 8.4				
							D1-D7, D9, D10		IN 4007 OR EQUIV	DIODE NOTE 8.3, 8.5 & 8.8				
							DB		SV-3	VARISTOR				

**NOTES**

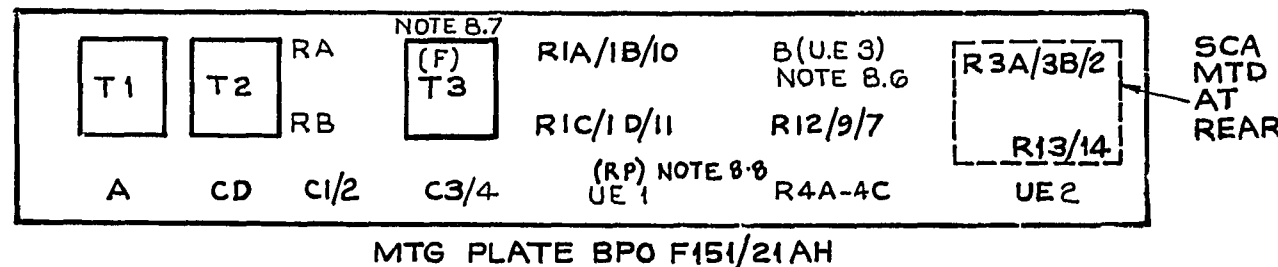
A SPECIAL FACTORS OF SAFETY B SPECIAL ADJUST C CCT POINTS OR MODS

**LAYOUT**



**NOTE:**

- 8.1 MTD TRANSFORMER T2
- 8.2 MTD TRANSFORMER T3
- 8.3 DIODES D2-D3 PROVIDED FOR R LINES ONLY AND MOUNTED ON SCA STRIP CONNECTION
- 8.4 TO BE MOUNTED AND WIRED WHEN AN INTERNAL RINGING SUPPLY IS REQUIRED
- 8.5 D6 & D7 DIODES, WHEN REQUIRED FOR O.O.B WORKING.
- 8.6 U.E.3, WHEN REQUIRED, TO BE MOUNTED AT REAR OF RELAY B
- 8.7 RELAY F ONLY PROVIDED WHEN RING TRIP FACILITY REQUIRED
- 8.8 RELAY RP AND DIODES D9 & D10 ONLY PROVIDED WHEN NOTE 2.16 FIG 3 APPLIES.



**50V**

**SUBSCRIBERS TERMINATING RELAY SET**  
(RURAL AND O.O.B. CARRIER)  
RCCL FOR FIGS 3, 4 & 5)

DEL	CKD	APD	ORDER	DATE	ISS	CHANGE
				27.11.80	A	WAS SHT @ 135 B 2 4 80 AMP FOR OOB WORKING & OPTIONAL RING TRIP FACILITY ADDED.
				10.2.82	B	MTG OF R14 & SCC CHANGED.
				11.11.82	C	MINOR AMP
				7.9.84	D	AMP TO NZM XO PART 2

N Z PO	
ENGINEER-IN-CHIEF WELLINGTON	ORIGIN T-EQPT
COY NO:	TRACED P.W.
SHT 8	
A 3	36602

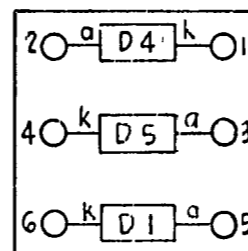
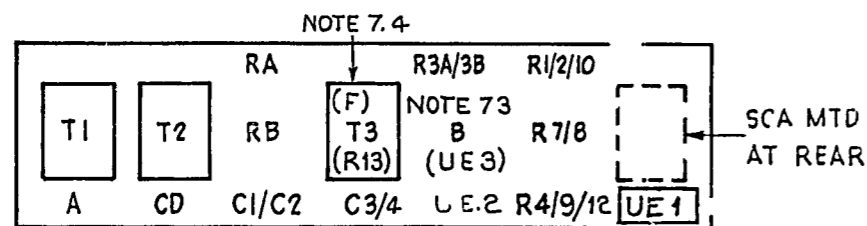
# RELAY CODES AND COMPONENTS LIST

RELAY NAME	BCC CODE	NZ PO CODE	BPO CODE	COY CODE	NOTES	COMPONENT DESIGNATION	BPO CODE	COY CODE	NOTES	MISC COMPONENTS	NOTES
A	HSD 710				B	R1-R2	9		82Ω	STRIP CONN	1215CA
B		50628 AD				R3A,R3B,R4	9		100Ω	BRACKET	1/5BA/13
CD		50490 AB				R5,R6	6		200Ω MTD CAP C3b&C4b	CAP CLIP	42
RA	HSD 710				B	R7&R12	9		200Ω	POST	64mm 89mm
RB		50622 AB				R8	9		270Ω	H/S REL COVER	B W REL A & RA
F		54242 KA			7.4	R9	9		400Ω		1/DST/844.(SCB)
						R10	9		470Ω	TERM STRIP	SCREW 4BA
						R11		RADIO TYPE	620Ω 1/4 W 1% MTD T2		INSULATING PLATE
						C1-C2	102C		2μF MATCHED PAIR	MTG. PLATE	F151/21 AH
						C3-C4	101		1μF		NOTE 7.1
						C5	8006		1μF MTD. T1		
						C6	8007		2μF MTD. T3		NOTE 7.1
						T1-T2		TRIMAX	TA 2272 TRANSFORMER		
						T3		TELECO BM-13 OR EQUIV	TRANSFORMER		NOTE 7.1
						D1-D6		IN 4007 OR EQUIV.	DIODE		NOTE
						D7-D8		IN 4007 OR EQUIV.	DIODE		
						D9		SV-3	VARISTOR		
						UE 1&2			PAD (NZ 37762 FIG 6A) AS SPECIFIED		
						UE 3			ELECTRONIC UNIT 2 (NZ 36579 FIG 7)		
						R13	9		820Ω		NOTE 7.4

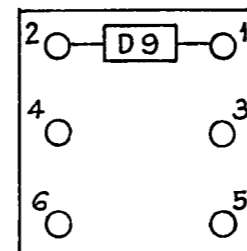
### NOTES

A- SPECIAL FACTORS OF SAFETY B- SPECIAL ADJUST. C- CCT POINTS OR MODS

### LAYOUT



SCB  
MTD REAR RA



SCC  
MTD REAR CD  
NOTE 7.2

### NOTE:

- 7.1 TO BE MOUNTED AND WIRED WHEN AN INTERNAL RINGING SUPPLY REQUIRED
- 7.2 REQUIRED WHEN ADAPTING RELAY SET TO O.O.B WORKING DIODES D7-D8 MOUNTED ON SCA STRIP
- 7.3 UE 3, WHEN REQUIRED, TO BE MOUNTED AT THE REAR OF RELAY B
- 7.4 RELAY F, & R13 ONLY PROVIDED WHEN RING TRIP FACILITY REQUIRED
- 7.5 DIODE D6 MTD REAR RELAY B.

## SUBSCRIBERS TERMINATING RELAY SET

(RURAL AND OOB CARRIER RCCL FOR FIGS 6,7 & 8)

DATE	159	CHANGE	NZ PO
27-11-80	A	WAS SH7 155 B 2.4.80 AMD FOR OOB WORKING & OPTIONAL RING TRIP FACILITY ADDED	ENGINEER-IN-CHIEF WELLINGTON
11-11-82	B	MINOR AMD	COY NO: <span style="float: right;">ORIGIN: T-EQPT.</span>
			SH7 9 DRAWN: T-EQPT TRACED: P M C
			A3 36602

24V

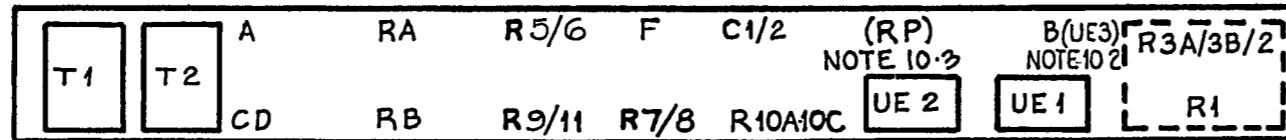
# RELAY CODES AND COMPONENTS

RELAY NAME	B.C.C. CODE	NZPO CODE	B.P.O. CODE	COY. CODE	NOTES	COMPONENT DESIGNATION	B.P.O. CODE	COY. CODE	NOTES	MISC COMPONENTS	NOTES
A	HSD 710				B	R1, R6,	9		1k	STRIP CONN	121 SCA
CD		50490 AB				R2	12		150 $\Omega$	SC BRACKET	1/SBA/13
RA	HSD 710				B	R3A-R3B R10A, R10B, R10C	9		300 $\Omega$	POST	64mm 89mm
RB		50586 AB				R4		RADIO TYPE	620 $\Omega$ $\frac{1}{4}$ W $\pm$ 1% MTD T2		1/D5T/844 (SCB)
B		50585 VD(6)				R5	9		390 $\Omega$	TERM. STRIP	INSULATING PLATE
F		54242 KA				R7, R8	9		270 $\Omega$		SCREWS
RP	B6404				S.L. L988 NOTE 10.3	R9	9		560 $\Omega$	H/S REL. COVER	BW REL. A & RA
						T1 & T2		TRIMAX	TA2272 TRANSFORMER	MTG. PLATE	F151/20AH
						C1 & C2	102C		2 $\mu$ F MATCHED PAIR	MTG. PLATE	F151/21AH
						C3		8006	1 $\mu$ F MTD T2		
						DI-D8, D10, D11		1N 4007 OR EQUIV.	DIODE NOTE 10.1, 10.3		
						D9		SV-3	VARISTOR		
						UE 1 & 2			PAD NZ37762 AS SPECIFIED		
						UE 3			ELECTRONIC UNIT NZ 36579 FIG. 7		

**NOTES**

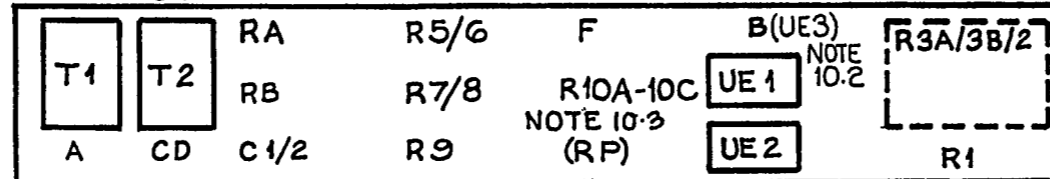
A - SPECIAL FACTORS OF SAFETY B - SPECIAL ADJUST C - CCT POINTS OR MODS

10x2 FRONT VIEW



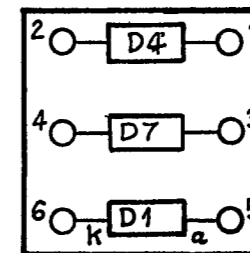
MTG. PLATE BPO F151/20AH

3x7



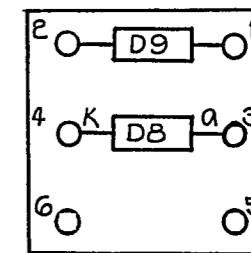
MTG. PLATE BPO F151/21AH

**LAYOUT**

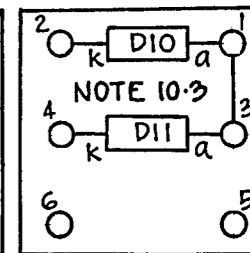


SCA  
MTD  
AT  
REAR

SCB  
(MTD REAR RA)



SCC  
(MTD REAR CD)



SCD  
(MTD REAR RP)

**NOTE:**

- 10.1 DIODES D2-D3 PROVIDED FOR R LINES ONLY AND WITH D5 & D6 MOUNTED ON SCA CONN STRIP.
- 10.2 UE3, WHEN REQUIRED, TO BE MOUNTED AT THE REAR OF RELAY B.
- 10.3 RELAY RP AND DIODES D10 & D11 ONLY PROVIDED WHEN NOTE 4.10 FIG. 9 APPLIES.

ISS	DATE	CHANGE
C	7.9.84	AMD. TO NZM XO PARTS
B	11.11.82	MINOR AMD.
A	27.11.80	

**SUBSCRIBERS TERMINATING  
RELAY SET**  
(OUT OF BAND SIGNALLING  
RCCL FOR FIG. 9)

DRN S.S.	CKD WAH	ORIGIN S.S.
TCD: TG	APPD: JR	STANDARD
NZPO ENGINEER-IN-CHIEF, WELLINGTON.		
	SHT 10 SIZE A3	36602

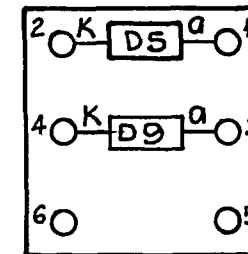
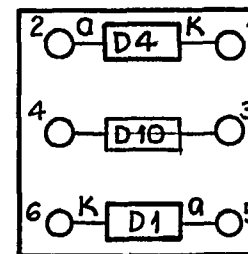
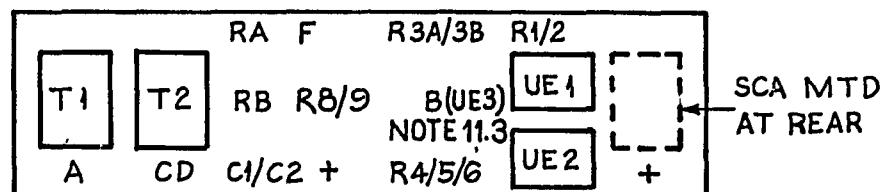
# RELAY CODES AND COMPONENTS

RELAY NAME	B.C.C. CODE	NZPO CODE	B.P.O. CODE	COY. CODE	NOTES	COMPONENT DESIGNATION	B P O CODE	COY. CODE	NOTES	STOCK LIST NR	MISC COMPONENTS	NOTES
A	HSD 710				B	R1 & R2	9		82 $\Omega$		STRIP CONN	121 SCA
B		50628 AD				R3A, R3B & R4	9		100 $\Omega$		BRACKET	1/5 BA/13
CD		50490 AB				R5	9		200 $\Omega$		POST	64mm, 89mm
RA	HSD 710				B	R6	9		470 $\Omega$		H/S REL. COVER	BW REL. A & RA
RB		50622 AB				R7		RADIO TYPE	620 $\Omega$ $\frac{1}{2}$ W 1% MTD T2			1/DST/844(SCB)
F		54242 KA				T1 & T2		TRIMAX	TA2272 TRANSFORMER		TERM STRIP	SCREW 4BA
						C1 & C2	102 C		2 $\mu$ F MATCHED PAIR			INSULATING PLATE
						C3	8006		1 $\mu$ F MTD T1		MTG. PLATE	F151/21 AH
						D1-D9		IN4007 OR EQUIV.	DIODE NOTES 11.1 & 11.2			
						D10		SV-3	VARISTOR			
						UE1 & 2			PAD NZ 37762 FIG 6A AS SPECIFIED			
						UE3			ELECTRONIC UNIT NZ 36579 FIG. 7			
						R8	9		820 $\Omega$			
						R9	9		270 $\Omega$			

**NOTES**

A - SPECIAL FACTORS OF SAFETY B - SPECIAL ADJUST C - CCT POINTS OR MODS

**LAYOUT**



**NOTE:**

- 11.1 DIODES D2 & D3 PROVIDED FOR R LINES ONLY AND WITH DIODES D7 & D8 MOUNTED ON SCA CONNECTION STRIP.
- 11.2 DIODE D6 M.T.D REAR RELAY B.
- 11.3 UE3, WHEN REQUIRED, TO BE MOUNTED AT THE REAR OF RELAY B.

ISS	DATE	CHANGE
B	11 11 82	MINOR AMD.
A	27 11 80	

**SUBSCRIBERS TERMINATING RELAY SET**  
(OUT OF BAND SIGNALLING RCCL FOR FIG.10)

DRN S S	CKD: WAH	ORIGIN S S
TCD: T G	APPD: JR	STANDARD
NZPO ENGINEER-IN-CHIEF, WELLINGTON.		
	SHT 11 SIZE A3	36602

MASTER TCG 284-33 SHT 1 OF 3