

1

2

3

4

5

6

A

A

B

B

C

C


D

D

SHT N°	SIZE	SUB-TITLE	ISSUE	SHT N°	SIZE	SUB-TITLE	ISSUE
26				1	A2	FOR C.B. AUTO M & R LINES & NZPO PABX LINES VIA RURAL CARRIER ROUTED SCHEMATIC 24V FIGS 1, 1A, 1B	E F
27				2	A2	FOR C.B. AUTO M & R LINES & NZPO PABX LINES VIA RURAL CARRIER ROUTED SCHEMATIC 50V FIGS 2, 2A-2F	F G
28				3	A2	FOR C.B. AUTO M & R LINES VIA O.O.B. CARRIER ROUTED SCHEMATIC 50V FIGS 3, 3A, 3B	A B C
29				4	A2	FOR NZPO PABX TRUNKS & TIE LINES VIA O.O.B. CARRIER ROUTED SCHEMATIC 50V	A B C
30				5	A2	SCA WIRING & STRAPPING DETAILS. (FIGS. 1, 2, 3)	G H
31				6	A2	RCCL FOR FIG. 1.	C
32				7	A2	RCCL FOR FIG. 2.	D E
33				8	A2	RCCL FOR FIG. 3.	A B
34				9	A2	RCCL FOR FIG. 4.	A B C
35				10			
36				11			
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			

K	26-10-83	G.U.	IAA	JR	38490	SHT 7 AMD.
J	17-6-83	G.U.	IAA	JR	38293	SHTS 3, 4 & 9 AMD.
H	5-11-82	N.S.	IAA	JR	80723	SHTS 1-5, 8 & 9 AMD.
G	16-2-81	JLV	KPM	JR	70546	ALL SHTS A2. SHTS 3, 4, 6, 9 ADDED SHTS 5, 6, 7 AMD & RENUMBERED.
A	15-3-72					
ISS	DATE	DEL	CKD	APP	ORDER	CHANGE

EXCHANGE LINE RELAY SET
FOR CB AUTO, M & R LINES, AND
NZPO PABX TRUNK & TIE
LINES VIA RURAL & O.O.B. CARRIER

DRN	J.L.V.	CKD	ORIGIN	S.S.
TCD	J.L.V.	APPD	STANDARD	
NZPO ENGINEER-IN-CHIEF, WELLINGTON.				
	SHT IND.	36601.		
SIZE	A2			

1

2

3

4

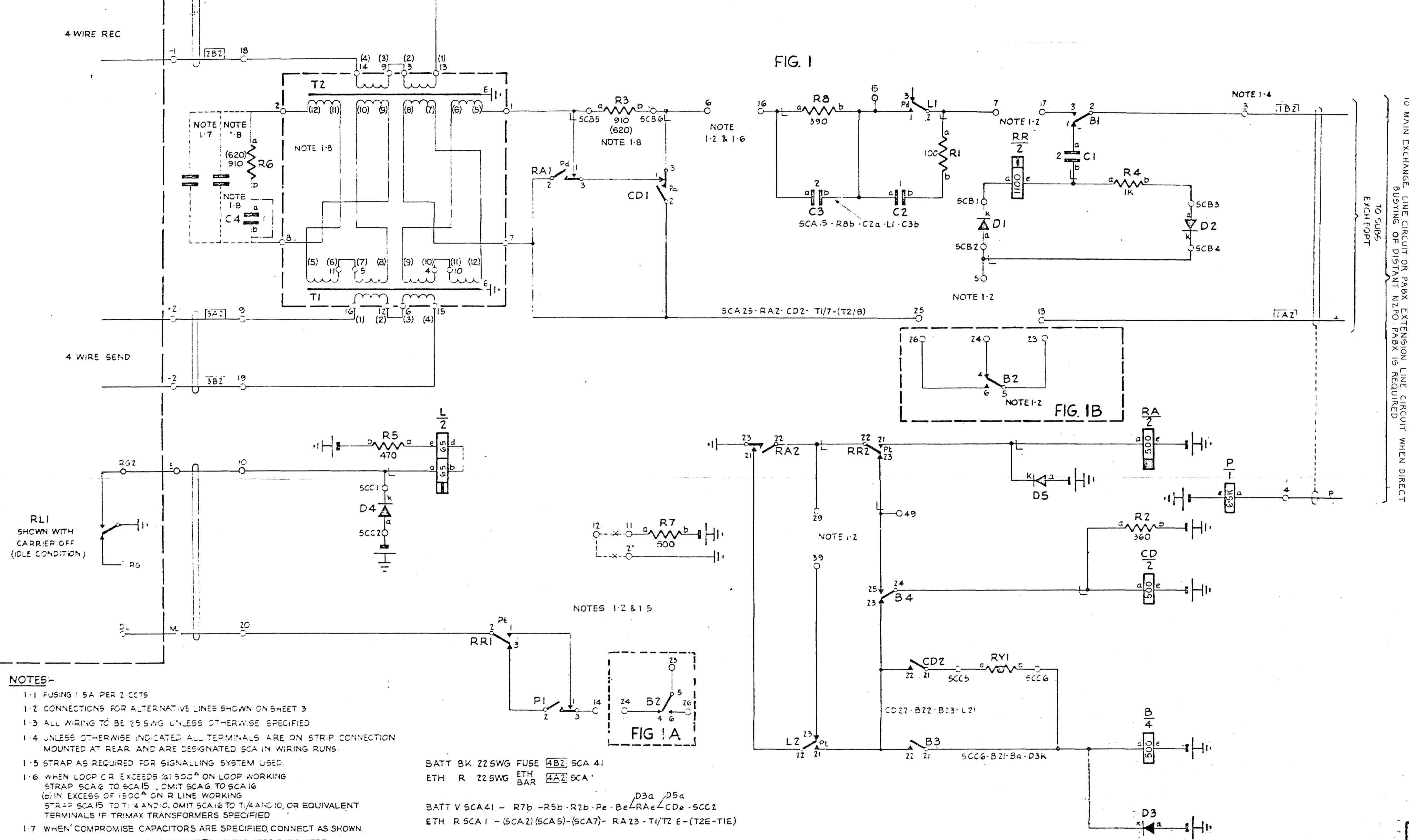
5

6

33800 SHT 1 OF 3

4 WIRE REC

4 WIRE SEND



- NOTES-**
- 1-1 FUSING 1.5A PER 2 COCTS
 - 1-2 CONNECTIONS FOR ALTERNATIVE LINES SHOWN ON SHEET 3
 - 1-3 ALL WIRING TO BE 25 SWG UNLESS OTHERWISE SPECIFIED
 - 1-4 UNLESS OTHERWISE INDICATED ALL TERMINALS ARE ON STRIP CONNECTION MOUNTED AT REAR AND ARE DESIGNATED SCA IN WIRING RUNS.
 - 1-5 STRAP AS REQUIRED FOR SIGNALLING SYSTEM USED.
 - 1-6 WHEN LOOP OR EXCEEDS (a) 500^Ω ON LOOP WORKING STRAP SCA 6 TO SCA 15. OMIT SCA 6 TO SCA 16 (b) IN EXCESS OF 1500^Ω ON R LINE WORKING STRAP SCA 15 TO T1/4 AND 10. OMIT SCA 6 TO T1/4 AND 10, OR EQUIVALENT TERMINALS IF TRIMAX TRANSFORMERS SPECIFIED
 - 1-7 WHEN COMPROMISE CAPACITORS ARE SPECIFIED, CONNECT AS SHOWN.
 - 1-8 ON EARLIER INSTALLATIONS TRIMAX TRANSFORMERS 2272 WERE PROVIDED. BRACKETED TERMINALS AND RESISTOR VALUES APPLY PROVIDE CONNECTIONS SHOWN

BATT BK 22 SWG FUSE 4B2 SCA 4;
ETH: R 22 SWG ETH 4A2 SCA 1
BATT V SCA 41 - R7b - R5b - R2b - Pe - Be - ^{D3a}RAe - ^{D5a}CDe - SCC2
ETH R SCA 1 - (SCA 2) (SCA 5) - (SCA 7) - RA 23 - T1/T2 E - (T2E - T1E)

TO MAIN EXCHANGE LINE CIRCUIT OR PABX EXTENSION LINE CIRCUIT WHEN DIRECT BUSYING OF DISTANT NZPO PABX IS REQUIRED EXCEPT TO SUBS

EXCHANGE LINE RELAY SET
(FOR C.B. AUTO M & R LINES & NZPO PABX LINES
VIA RURAL CARRIER ROUTED SCHEMATIC 24V
FIGS. 1, 1A, 1B)

DATE	ISS	CHANGE	NZPO
8-4-69	A		ENGINEER-IN-CHIEF, WELLINGTON
15-3-72	D	RETRACED FROM 156. C. 21-4 7 TRIMAX TRANSFORMERS 2 4 DEL. NOTES REVISED. C2 UNIT HYBRID TRANS & R8 ADDED	ORIGIN: 55
16-5-73	E	ALTERNATIVE CONNECTIONS SHOWN T1-12 FOR TRIMAX TRANSFORMERS NOTE 1-8 ADDED	SHT. DRAWN: 55 TRACED GMB
29-11-82	F	TITLE AMD.	A2 36601

4 WIRE REC

4 WIRE SEND

- NOTES-
- 1 FUSING 1.5A PER 2 CCTS
 - 2 CONNECTIONS FOR ALTERNATIVE LINES SHOWN ON SHEET 3
 - 3 ALL WIRING TO BE 25 SWG UNLESS OTHERWISE SPECIFIED.
 - 4 UNLESS OTHERWISE INDICATED ALL TERMINALS ARE ON STRIP CONNECTION MOUNTED AT REAR AND ARE DESIGNATED SCA IN WIRING RUNS.
 - 5 STRAP AS REQUIRED FOR SIGNALLING SYSTEM USED.
 - 6 WHEN LOOP OR EXCEEDS 500' ON LOOP WORKING STRAP SCA 6 TO SCA 15, OMIT SCA 6 TO SCA 16 (b) IN EXCESS OF 1500' ON R LINE WORKING STRAP SCA 15 TO T1/4 AND IO, OMIT SCA 16 TO T1/4 AND IO, OR EQUIVALENT TERMINALS IF TRIMAX TRANSFORMERS SPECIFIED.
 - 7 WHEN COMPROMISE CAPACITORS ARE SPECIFIED CONNECT AS SHOWN
 - 8 ON EARLIER INSTALLATIONS TRIMAX TRANSFORMERS 2272 WERE PROVIDED BRACKETED TERMINALS AND RESISTOR VALUES APPLY PROVIDE CONNECTIONS SHOWN
 - 9 FIGS 2E & 2F ONLY REQUIRED WHEN RELAY SET USED TO CONNECT NZPO PABX LINE (SEE FIG 3C)
 - 10 FIG. 2C REQUIRED FOR ALL CONNECTIONS EXCEPT TO AN NEC CROSSBAR M LINE IN WHICH CASE WIRING TO FIG. 2D IS REQUIRED (SEE FIG 3.D)

BATT BK 22SWG FUSE 7BZ SCA 41
 ETH R 22SWG ETH BAR 4A2 SCA 1
 BATT V SCA 41 - R7b - R5b - R2b - Pe - Be - D3a - D5a
 ETH R SCA 1 - (SCA 2) (SCA 5) - (SCA 7) - (SCA 21) - RA 23 - T1/T2 E - (T2E - T1E)

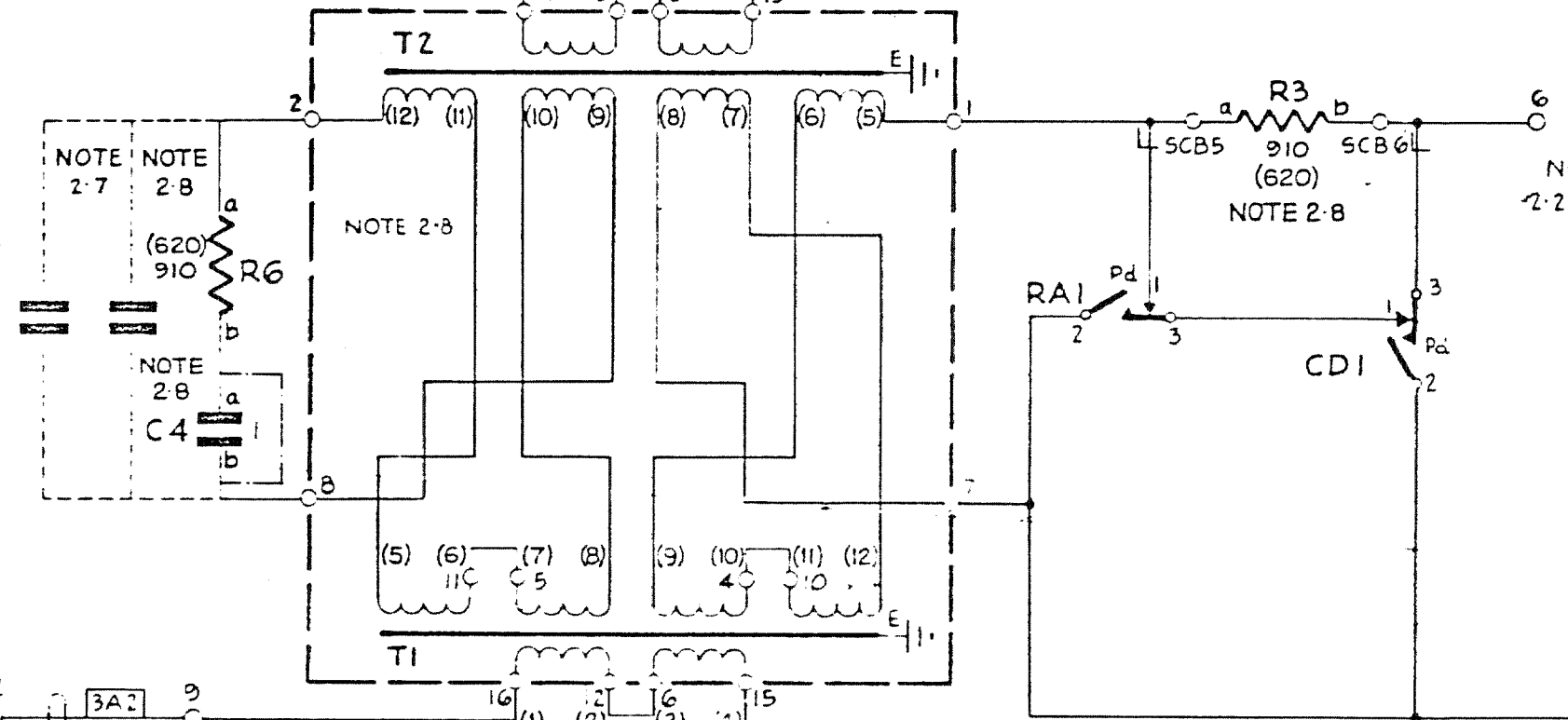
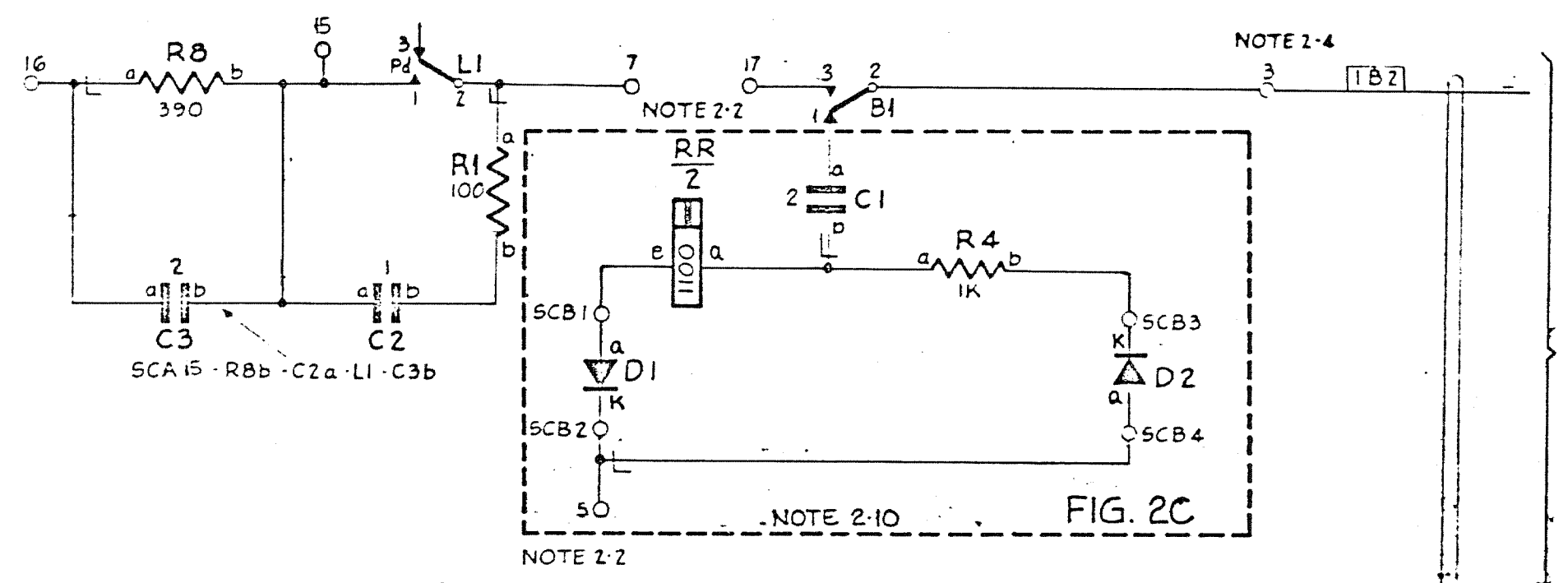


FIG. 2



TO MAIN EXCHANGE LINE CIRCUIT OR PABX EXTENSION LINE CIRCUIT WHEN DIRECT BUSTING OF DISTANT NZPO PABX IS REQUIRED TO SUBS EXCH EOPT

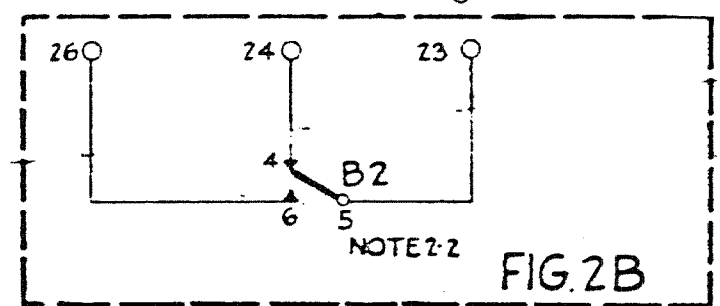


FIG. 2B

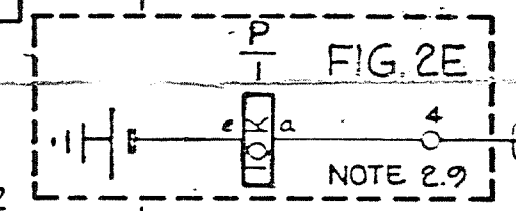


FIG. 2E

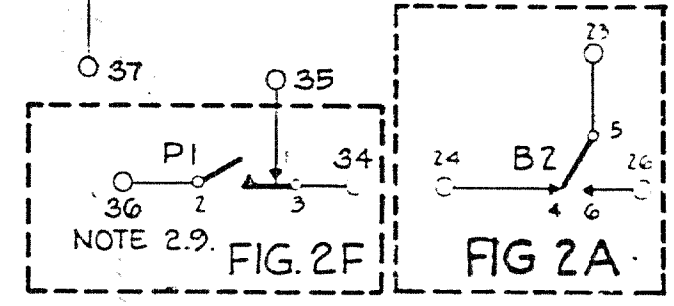


FIG. 2A

FIG. 2F

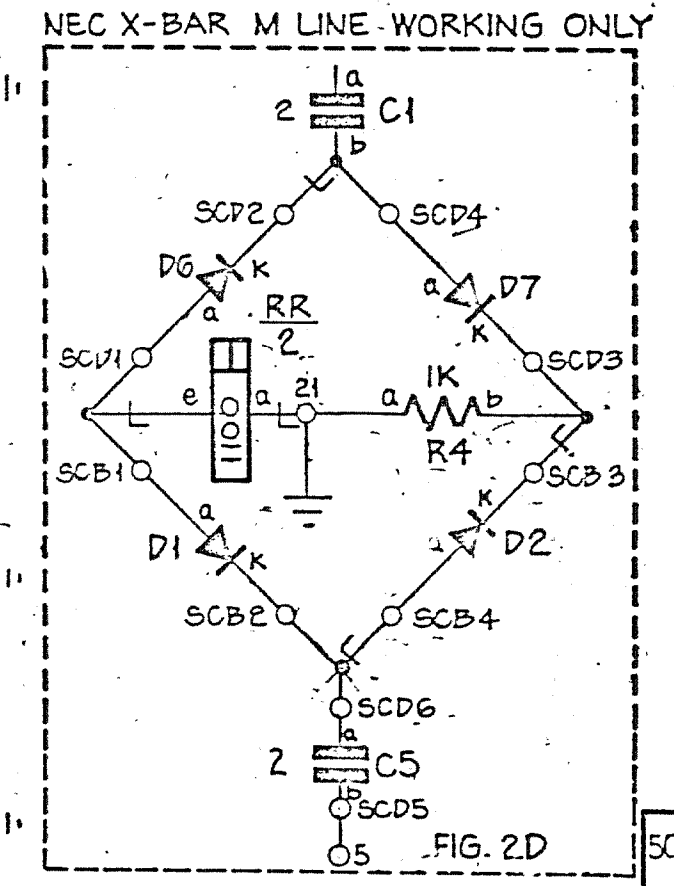


FIG. 2D

ENGR'S RECORD

EXCHANGE LINE RELAY SET
 (FOR C.B. AUTO M&R LINES & NZPO PABX LINES
 VIA RURAL CARRIER ROUTED SCHEMATIC 50V
 FIGS 2, 2A-2F)

DATE	ISS	CHANGE	BY	CHKD
5-4-69	A			
10-3-71	D	RETRACTED FROM ISS C 11-4 71 VAD PART SH 1		
10-5-75	E	ALTERNATIVE CONNECTIONS SHOWN T1-T2 FOR TRIMAX TRANSFORMERS, NOTE 2-8 ADDED		
2-4-80	F	REFS TO FIGS 2C, 2D, 2E, 2F AND VARISTOR D3 ADDED		
5-11-82	G	MINOR AMD. TITLE AMD		

NZPO ENGINEER-IN-CHIEF, WELLINGTON
 ORIGIN: S.S.
 DRAWN: S.S. TRACED: G.H.B.
 36601

EXPLANATORY ONLY. O.O.B. CARRIER EQUIP.

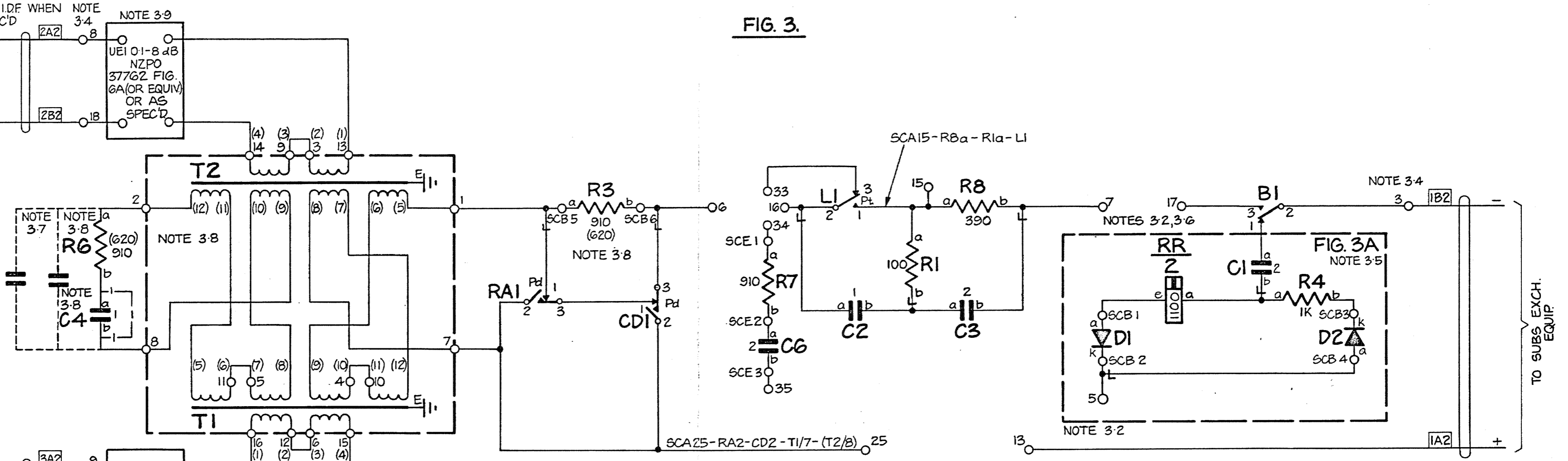
VIA I.D.F. WHEN SPEC'D NOTE 3-4

NOTE 3-9

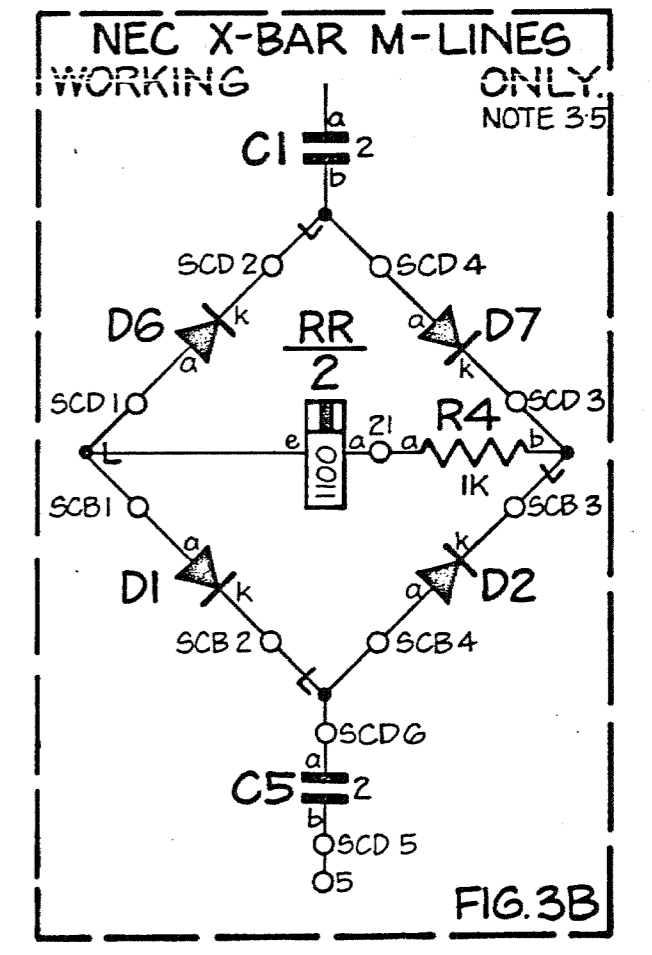
FIG. 3.

4 WIRE REC.

4 WIRE SEND



TO SUBS. EXCH. EQUIP.



- NOTES:
- 3-1 FUSING 1-5A PER 2 CCTS.
 - 3-2 CONNECTIONS FOR ALTERNATIVE LINES SHOWN ON SHEET 5.
 - 3-3 ALL WIRING TO BE 0.5mm UNLESS OTHERWISE SPECIFIED.
 - 3-4 UNLESS OTHERWISE INDICATED ALL TERMINALS ARE ON STRIP CONNECTION MOUNTED AT REAR AND ARE DESIGNATED SCA IN WIRING RUNS.
 - 3-5 FIG. 3A REQUIRED FOR ALL CONNECTIONS EXCEPT TO AN NEC X-BAR M-LINE TERMINATION WHEN WIRING TO FIG. 3B IS REQUIRED.
 - 3-6 WHEN LOOP CR EXCEEDS-
(a) 500Ω ON LOOP WORKING STRAP SCA 17 TO SCA 15, OMIT SCA 7 TO SCA 17.
(b) IN EXCESS OF 1500Ω ON R LINE WORKING STRAP SCA 15 TO EARTH.
 - 3-7 WHEN COMPROMISE CAPACITORS ARE SPECIFIED, CONNECT AS SHOWN.
 - 3-8 WHEN EARLIER TYPE RURAL CARRIER RELAY SETS EQUIPPED WITH TRIMAX TRANSFORMERS 2272 ARE CONVERTED TO O.O.B. BRACKETED TERMINALS AND RESISTOR VALUES APPLY ALSO PROVIDE CONNECTIONS SHOWN -1-1-.
 - 3-9 LEVEL ADJUST PADS WILL BE REQUIRED WHEREVER THEY ARE NOT SEPERATELY INSTALLED WITH THE TRANSMISSION EQUIPMENT.

BATT BK 07mm FUSE 4B2 SCA41
 ETH R 07mm ETH. BAR 4A2 SCA1
 BATT V SCA41-R5b-R2b-Be-Rae-CDe-SCC2
 ETH. R SCA1-(SCA5)-(SCA7)-(SCA21)-RA23-T1/T2E-(T2E-T1E)

ENGR'S RECORD 50V

EXCHANGE LINE RELAY SET
 (FOR CB AUTO, M & R LINES VIA
 O.O.B. CARRIER ROUTED
 SCHEMATIC 50V FIGS. 3, 3A, 3B)

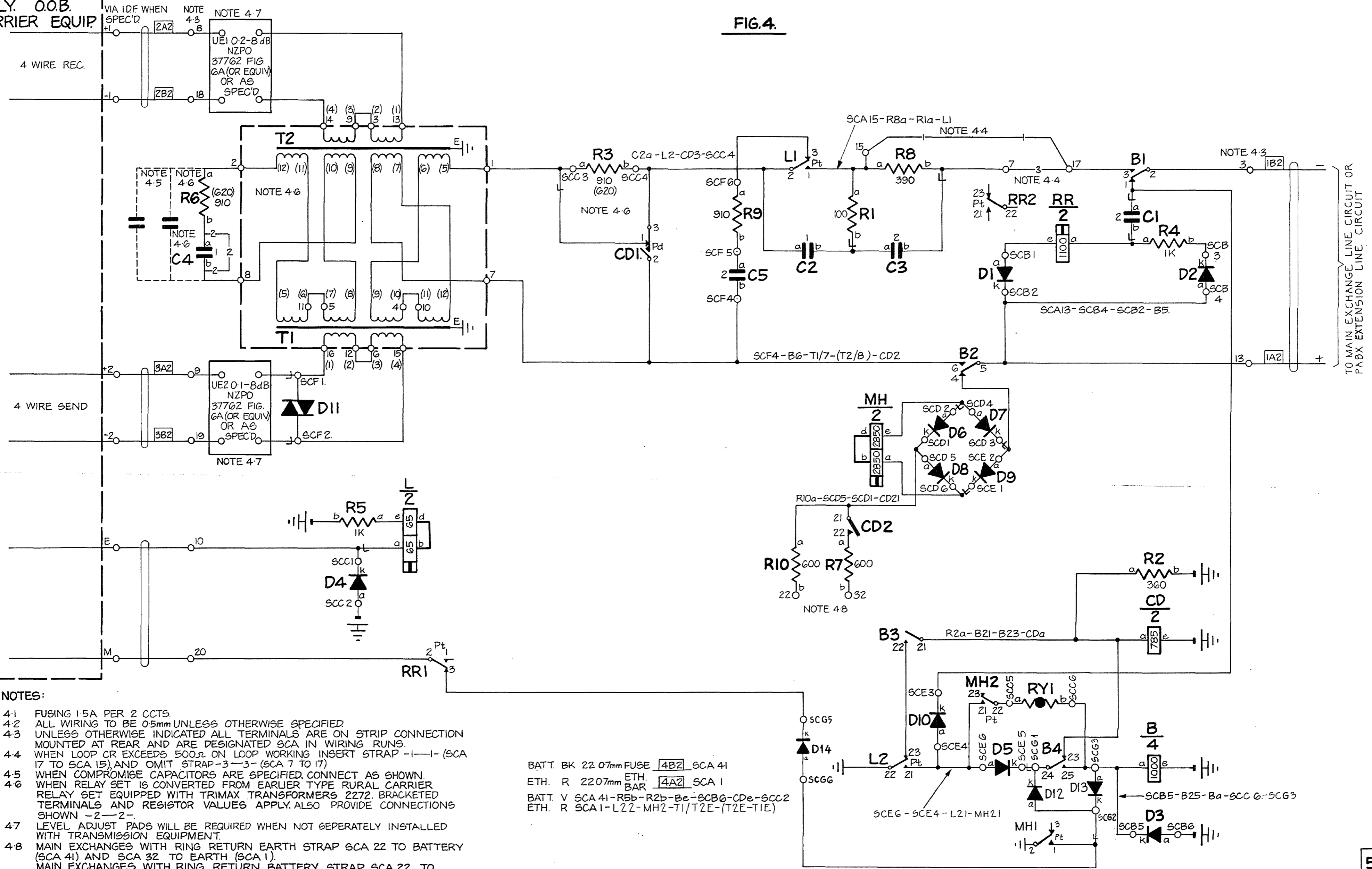
DRN J.L.V.	CKD	ORIGIN 55
TCD J.L.V.	APPD	STANDARD
NZPO ENGINEER-IN-CHIEF, WELLINGTON.		
SHT 3	36601.	
SIZE A2		

C 17-6-83	D9 AND SCC6 INFO. ADD.
B 19-11-82	D2 ADDED. TITLE AMD. D9 ADD. MINOR AMD. ETH. RUN
A 18-2-81	
ISS DATE	CHANGE

UD 236

EXPLANATORY ONLY. O.O.B. CARRIER EQUIP.

FIG. 4.



- NOTES:
- 4-1 FUSING 1.5A PER 2 CTS.
 - 4-2 ALL WIRING TO BE 0.5mm UNLESS OTHERWISE SPECIFIED.
 - 4-3 UNLESS OTHERWISE INDICATED ALL TERMINALS ARE ON STRIP CONNECTION MOUNTED AT REAR AND ARE DESIGNATED SCA IN WIRING RUNS.
 - 4-4 WHEN LOOP OR EXCEEDS 500Ω ON LOOP WORKING INSERT STRAP -1-1- (SCA 17 TO SCA 15) AND OMIT STRAP -3-3- (SCA 7 TO 17)
 - 4-5 WHEN COMPROMISE CAPACITORS ARE SPECIFIED, CONNECT AS SHOWN.
 - 4-6 WHEN RELAY SET IS CONVERTED FROM EARLIER TYPE RURAL CARRIER RELAY SET EQUIPPED WITH TRIMAX TRANSFORMERS 2272, BRACKETED TERMINALS AND RESISTOR VALUES APPLY. ALSO PROVIDE CONNECTIONS SHOWN -2-2-
 - 4-7 LEVEL ADJUST PADS WILL BE REQUIRED WHEN NOT SEPERATELY INSTALLED WITH TRANSMISSION EQUIPMENT.
 - 4-8 MAIN EXCHANGES WITH RING RETURN EARTH STRAP SCA 22 TO BATTERY (SCA 41) AND SCA 32 TO EARTH (SCA 1). MAIN EXCHANGES WITH RING RETURN BATTERY STRAP SCA 22 TO EARTH (SCA 1) AND SCA 32 TO BATTERY (SCA 41).

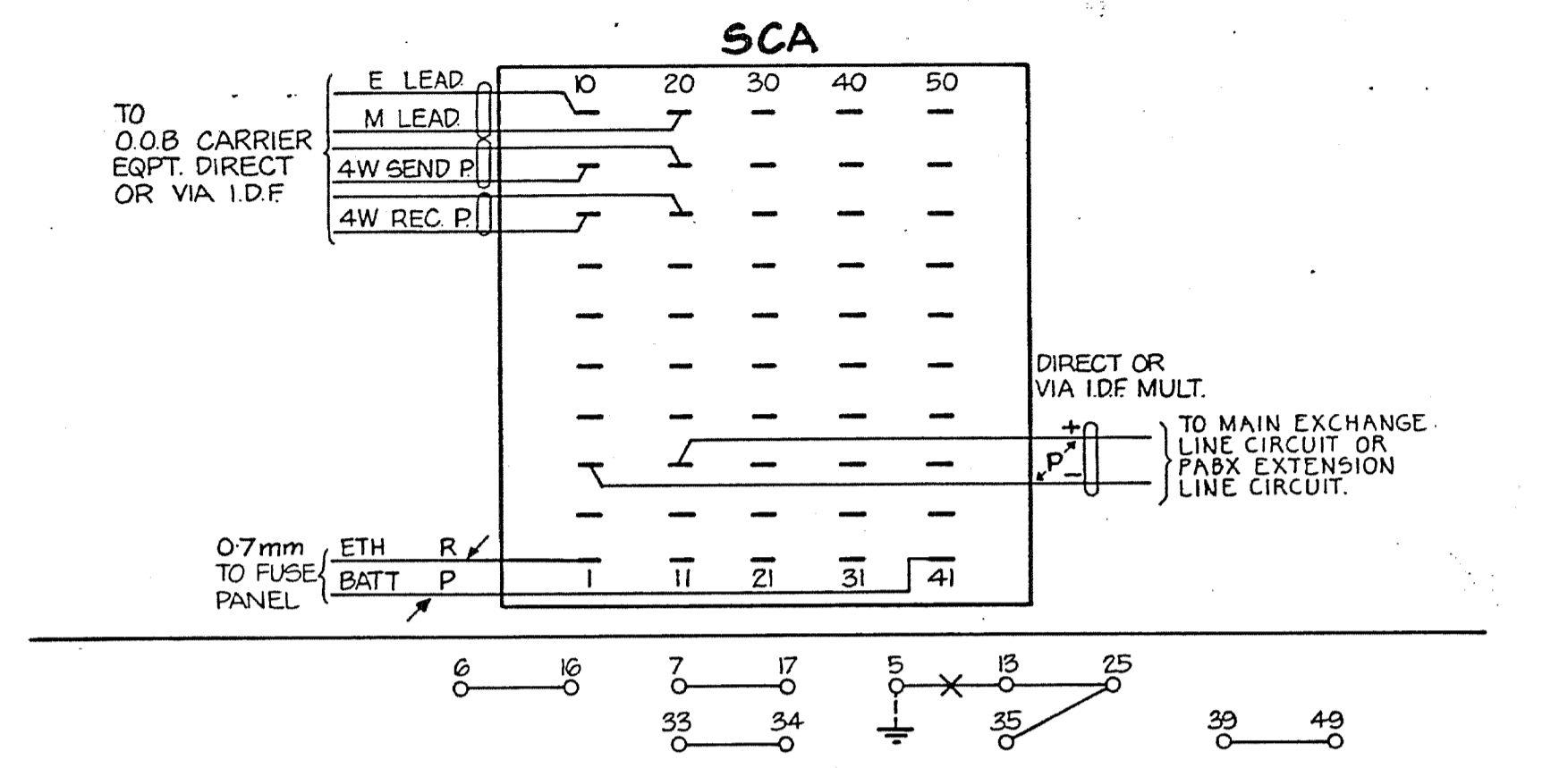
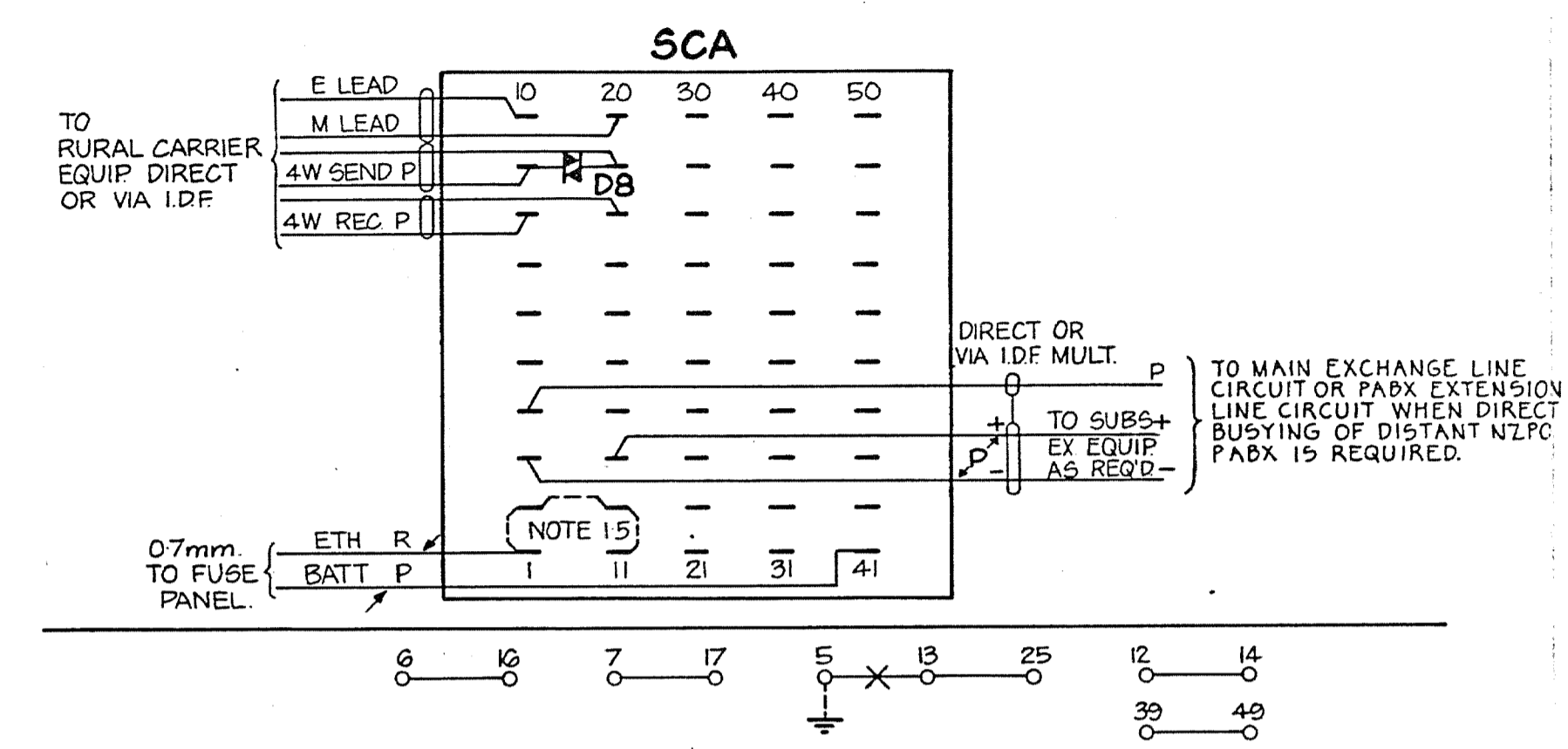
BATT. BK 22 07mm FUSE 4B2 SCA 41
 ETH. R 2207mm ETH. 4A2 SCA 1
 BATT. V SCA 41-R5b-R2b-Be-SCB6-CDe-SCC2
 ETH. R SCA 1-L22-MH2-T1/T2E-(T2E-T1E)

EXCHANGE LINE RELAY SET
 (FOR NZPO PABX TRUNKS &
 TIE LINES VIA O.O.B. CARRIER
 ROUTED SCHEMATIC 50v)

DRN	JLV.	CKD	ORIGIN	SS
TCD	JLV.	APPD	STANDARD	
NZPO			ENGINEER-IN-CHIEF, WELLINGTON.	
SHT		4.		36601.
SIZE		A2		

ISS	DATE	CHANGE
C	17.6.83	D14 ADDED
B	9.11.82	D12 & D13 ADDED, TITLE AMD.
A	16.2.81	

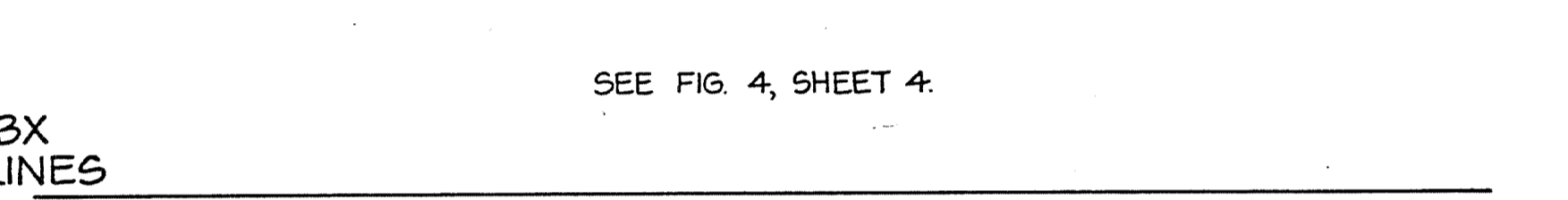
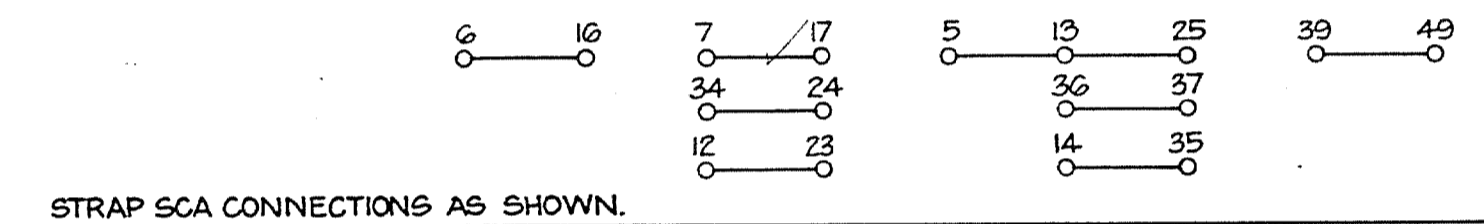
UD 236



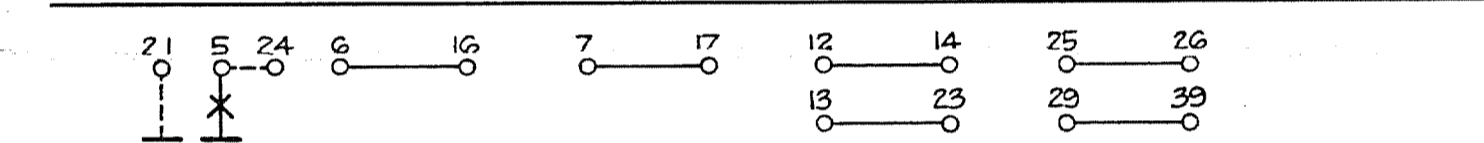
FOR UAX IND. AUTO LINES DISCONNECT STRAP ~~X~~ AND CONNECT STRAP ---

IND. AUTO & C.B. LINES

FOR UAX IND. AUTO LINES DISCONNECT STRAP ~~X~~ AND CONNECT STRAP ---



SEE FIG. 4, SHEET 4.

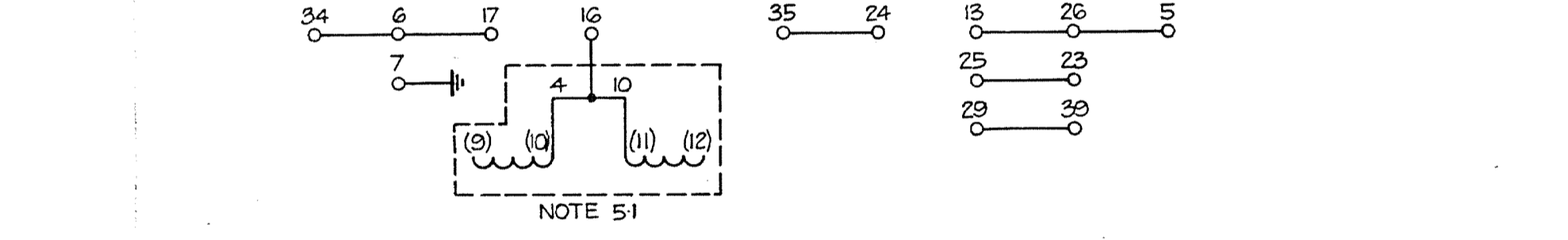
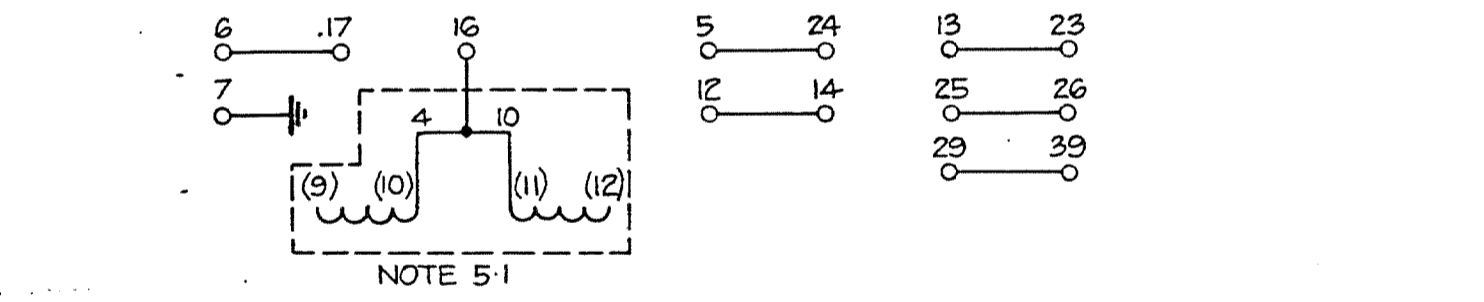


NZPO PABX EXCHANGE LINES

FOR NEC X-BAR M LINES DISCONNECT STRAP ~~X~~ AND CONNECT STRAP ---

M LINES

FOR NEC X-BAR M LINES DISCONNECT STRAP ~~X~~ AND CONNECT STRAP ---



STRAP SCA CONNECTIONS AS SHOWN.

R LINES

STRAP SCA CONNECTIONS AS SHOWN.

RURAL CARRIER. (FIGS. 1 & 2.)

VIA O.O.B. CARRIER. (FIG. 3)

NOTE. 5-1 ALTERNATIVE CONNECTIONS FOR TRIMAX TRANSFORMERS.

EXCHANGE LINE RELAY SET (FOR CB AUTO M & R LINES SCA WIRING & STRAPPING DETAILS)

H	10-11-82	MINOR AMD.
G	16-2-81	O.O.B. CARRIER ADDED SHEET SIZE CHANGED.
A	8-4-69	
ISS DATE	CHANGE	
DRN	J.L.V.	CKD
ORIGIN	SS	
TCD	J.L.V.	APPD
STANDARD		
NZPO ENGINEER-IN-CHIEF, WELLINGTON.		
SHT	5.	36601.
SIZE	A2	

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
B		50519 AA								STRIP CONN	121 SCA
CD		50518AD(15)				C1C3	102		2μF	BRACKET	1/5BR/13
L	HSD 70				B	C2,C4	101		1μF	CAP CLIP	42
P	B 6896				G 2					POST	64mm 89mm
RA		50517 PD(B)			G 2					TERM. STRIP	VDST/844 SCB SCC
RR	HSD 701				B					SCREWS	4BA x 3/4"
						R1	6		100Ω MTD ON C2b	INS PLATE	1/5PL/180
						R2	9		360Ω		
						R3,R6		RADIO TYPE	910Ω (620Ω) ±W1% NOTE G 3		
						R4	12		1K		
						R5	9		470Ω		
						R7	9		500Ω		
						R8	9		390Ω		
						D1-D5		IN 4007	DIODE NOTE G 1		
						RY1		STC A5+	THERMISTOR	MTG PLATE	F151/20 BH
										MTG PLATE	F151/20 AH
						T1/T2		CSP 149	UNIT HYBRID TRANSFORMER	MTG PLATE	F151/21 AH
						(T1-T2)		TRIMAX 2272	NOTE G 3	MTG PLATE	GEC C2418

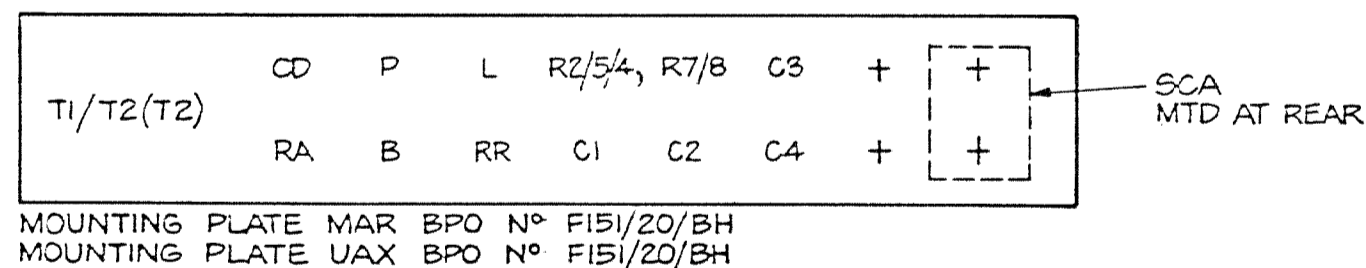
NOTES.

- G 1 DIODES D3 & D5 MTD REAR RELAYS B & RA.
- G 2 RELAYS RA & P PROVIDED AS REQUIRED PRIOR TO BULK MANUFACTURE AT ISS. D.
- G 3 ON EARLIER INSTALLATIONS BRACKETED COMPONENTS WERE USED

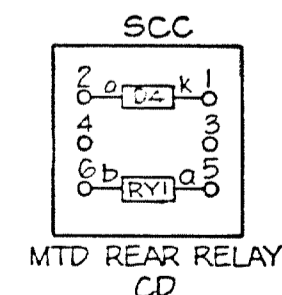
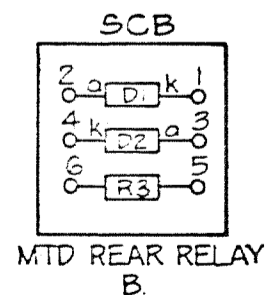
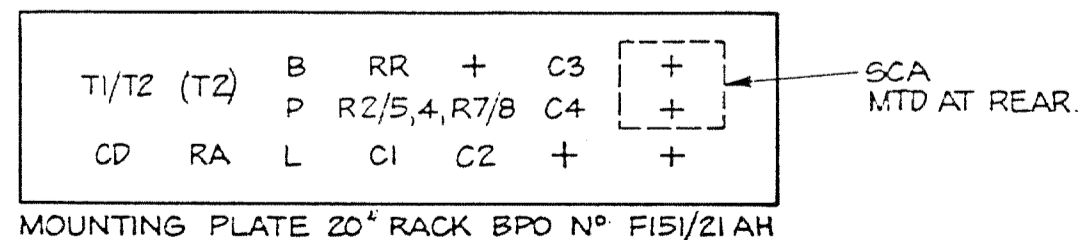
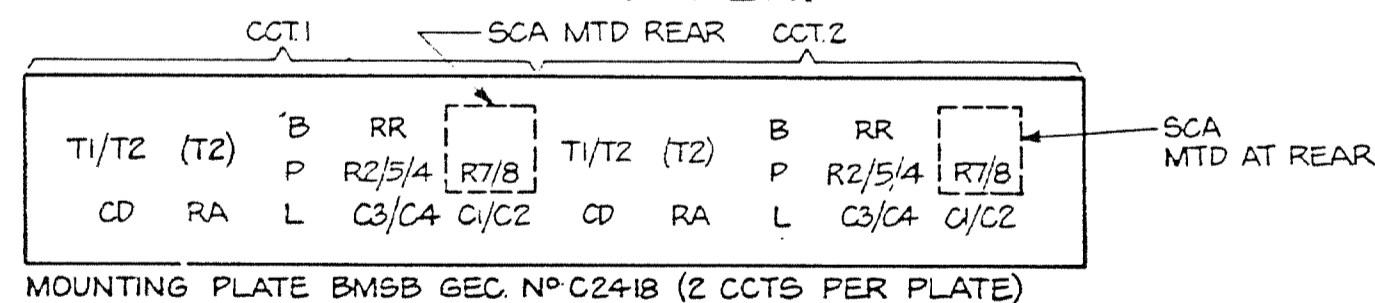
NOTES

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

LAYOUT FRONT VIEW.



LAYOUT FRONT VIEW.



24V

C 16281 REDRAWN WAS SHT 4 SHEET SIZE CHANGED 153721 WAS PART SHT 3 OF 3, COMBINED 24/50V			
ISS DATE	CHANGE		
DRN J.L.V.	CKD	ORIGIN 55	
TCD J.L.V.	APPD	STANDARD	
NZPO ENGINEER-IN-CHIEF, WELLINGTON.			
	SHT	6	36601.
	SIZE	A2	

EXCHANGE LINE RELAY SET
(FOR C.B. AUTO M & R LINES
RURAL CARRIER RCCL
FOR FIG.1)

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
L	HSD 710				B					STRIP CONN	121 - SCA
B	B70799					C1,C3	102		2 μ F	SC BRACKET	1/5BR/13
CD		50487AD(15)				C2,C4	101		1 μ F	CAP CLIP	42
RA		50486AD(6)			7-2	C5	8007		2 μ F MTD REAR RR RELAY	POST	64mm 89mm
RR	HSD 701				B	R1	6		100 Ω MTD ON C2	TERM-STRIP	1/05T/844 (SCB, SCC, SCD) NOTE 2-10
P	B 20688	SEE NOTE 2-9			7-2	R2	9		360 Ω	SCREWS	4 BA x 3/4"
						R3,R6		RADIO TYPE	910 Ω (620 Ω) \pm W1% NOTE 7-3	INS PLATE	1/5PL/196
						R4	12		1K		
						R5	9		1K		
						R7	9		1K		
						RY1	1A	STC A25	THERMISTOR MTD REAR CD	MTG PLATE	F151/20 BH
										MTG PLATE	F151/20 AH
						D1-D5		IN 4007 OR EQUIV.	DIODES NOTE 7-1	MTG PLATE	F151/20/AH
						D6,D7		IN 4007 OR EQUIV.	DIODES NOTE 2-10	MTG PLATE	6EC C24-18
						R8	9		390 Ω		
						T1/T2		CSP 149	UNIT HYBRID TRANSFORMER		
						(T1-T2)		TRIMAX 2272	NOTE 7-3		
						D8		SV-3	VARIATOR. NOTE 7-4		

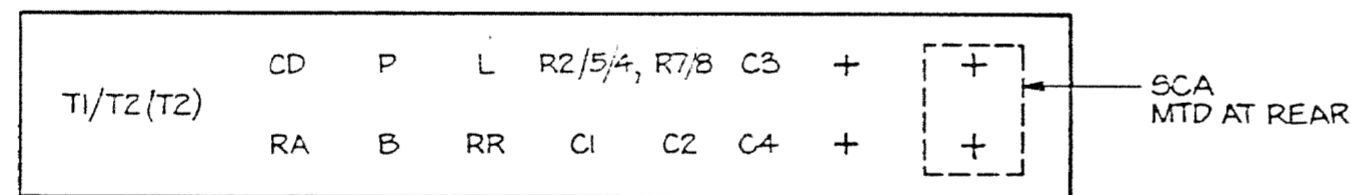
NOTES

- 7-1 DIODES D3 & D5 MTD REAR RELAY B & RA.
- 7-2 RELAYS RA & P PROVIDED AS REQUIRED PRIOR TO BULK MANUFACTURE AT ISS D
- 7-3 ON EARLIER INSTALLATIONS BRACKETED COMPONENTS WERE USED
- 7-4 VARISTER D8 MTD ON STRIP CONN. SCA.

NOTES

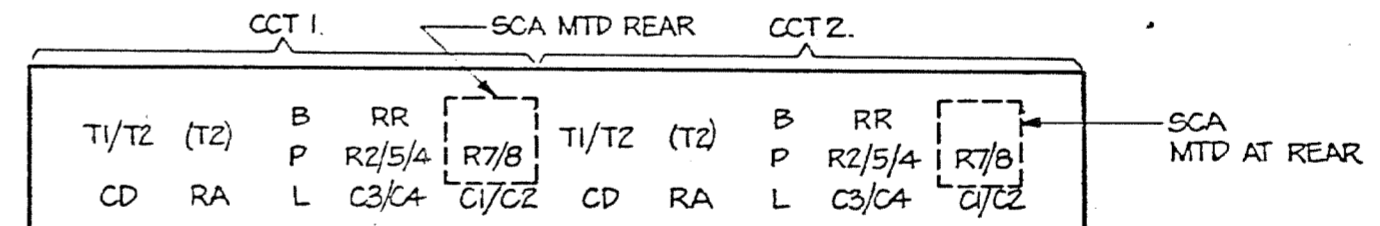
A-SPECIAL FACTORS OF SAFETY B-SPECIAL ADJUST C-CCT. POINTS OR MODS

LAYOUT FRONT VIEW.

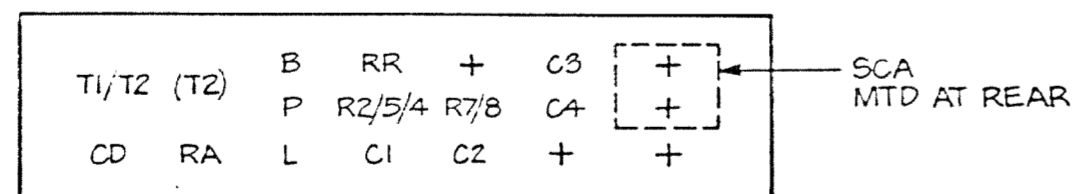


MOUNTING PLATE MAR BPO N° F151/20 BH
MOUNTING PLATE UAX BPO N° F151/20 AH

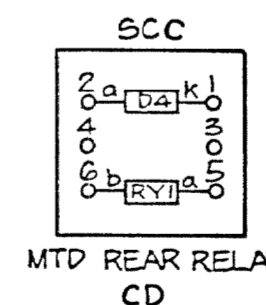
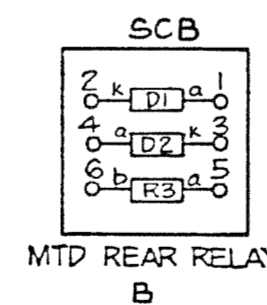
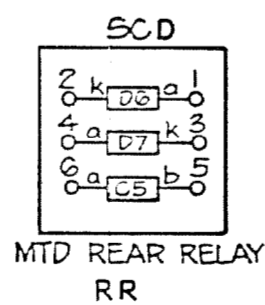
LAYOUT FRONT VIEW.



MOUNTING PLATE BMSB GEC N° C24-18 (2 CCTS PER OFFICE)



MOUNTING PLATE 20" RACK BPO N° F151/21 AH



50V

EXCHANGE LINE RELAY SET
(FOR CB, AUTO, M&R LINES
RURAL CARRIER RCCL
FOR FIG. 2)

ISS DATE	CHANGE		
DRN J.L.V.	CKD	ORIGIN SS	
TCD J.L.V.	APPD	STANDARD	
NZPO ENGINEER-IN-CHIEF, WELLINGTON.			
SIZE	SHT	7	36601.
	SIZE	A2	

RELAY CODES AND COMPONENTS

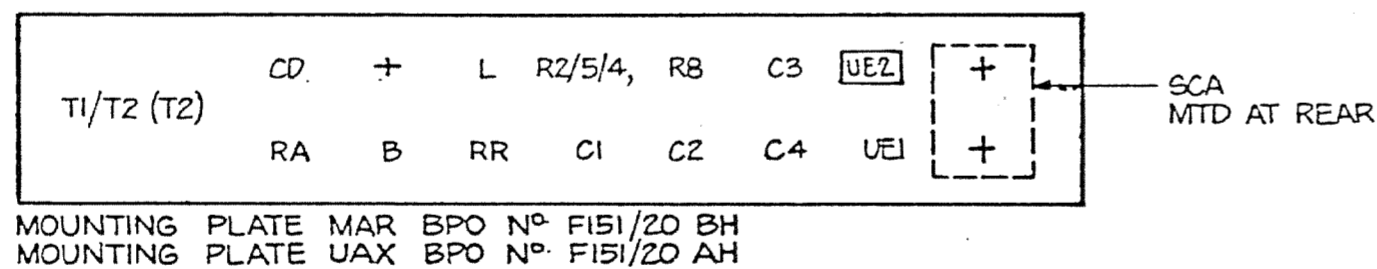
RELAY NAME	B.C.C. CODE	NZPO CODE	B.P.O. CODE	COY. CODE	NOTES	COMPONENT DESIGNATION	B.P.O. CODE	COY. CODE	NOTES	MISC COMPONENTS	NOTES
L	HSD 710				B	C1, C3	102		2 μ F	STRIP CONN	121 - SCA
B	B 70799					C2, C4	101		1 μ F	SC BRACKET	1/5BR/13
CD		504-87AD (15)				C5	8007		2 μ F NOTE 8-2	CAP CLIP	42
RA		504-86AD (6)				C6	8007		2 μ F MTD REAR RR RELAY	POST	64mm 89mm
RR	HSD 701				B	R1	6		100 Ω MTD ON C2	TERM. STRIP	1/1D5T/844 (SCB, SCC, SCD, SCE, SCF)
						R2	9		360 Ω	SCREWS	4BA x 3/4"
						R3, R6		RADIO TYPE	910 Ω (620 Ω) \pm 1% NOTE 8-1, 8-3	INS. PLATE	1/5PL/196
						R4	12		1K		
						R5	9		1K		
						R7		RADIO TYPE	910 Ω 1/4 W 1%		
						R8	9		390 Ω	MTG PLATE	F151/20 BH
						RY1	1A		THERMISTOR	MTG PLATE	F151/21 AH
						DI-D5, D9		IN 4007 OR EQUIV	DIODES	MTG PLATE	F151/21 AH
						D6, D7		IN 4007 OR EQUIV	DIODES NOTE 8-2	MTG PLATE	GEC C2418
						D8		SV-3	VARISTOR		
						T1/T2		CSP 149	UNIT HYBRID TRANSFORMER		
						(T1-T2)		TRIMAX 2272	NOTE 8-1		
						UE1, UE2			PAD-NZPO 37762 AS SPECIFIED (NOTE 3)		

NOTES.

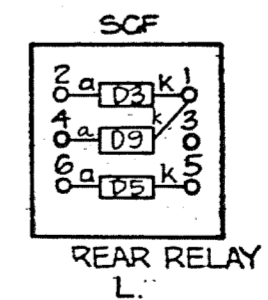
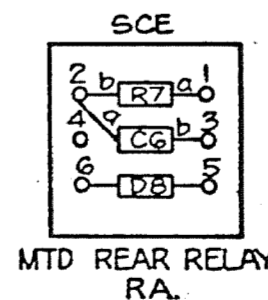
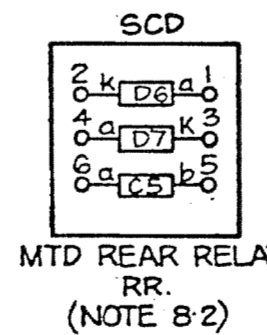
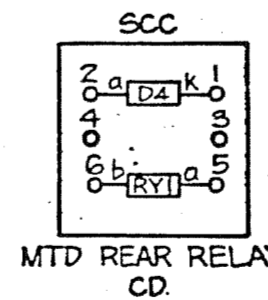
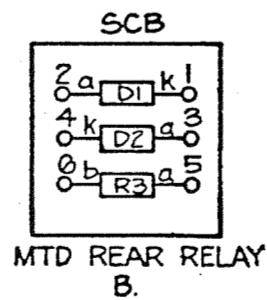
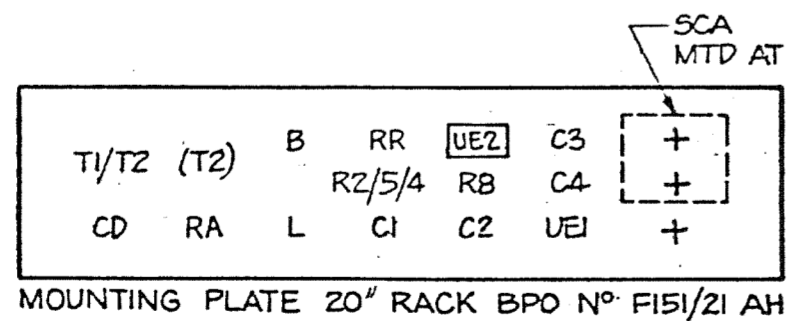
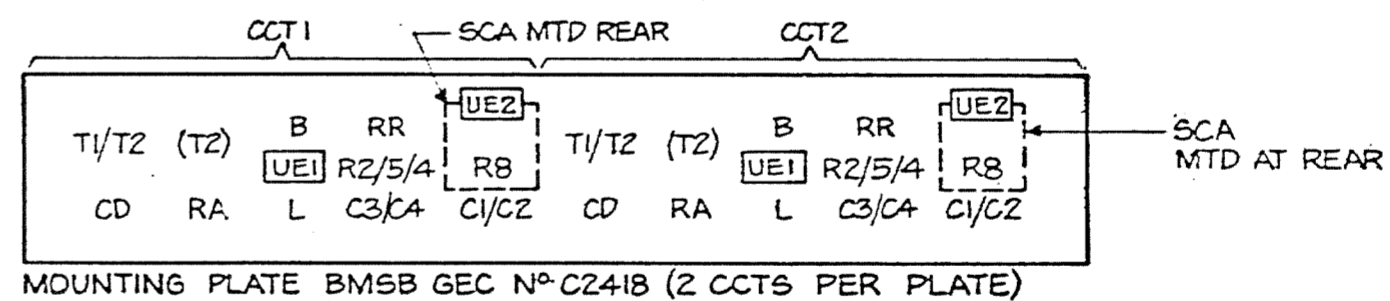
- 8-1 SOME EARLIER RURAL CARRIER TYPE RELAY SETS MAY BE CONVERTED TO O.O.B. USE, IN WHICH CASE BRACKETED COMPONENTS COULD BE EQUIPPED.
- 8-2 DIODES D6, D7 AND CAPACITOR C5 ONLY REQUIRED WHEN RELAY SET WIRED FOR NEC X-BAR M LINES (SEE FIG 3B)
- 8-3 RESISTOR R6 MOUNTED ON CAPACITOR C4.

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

LAYOUT FRONT VIEW



LAYOUT FRONT VIEW



EXCHANGE LINE RELAY SET
(FOR CB AUTO M&R LINES
VIA O.O.B. CARRIER RCCL
FOR FIG. 3)

DRN	J.L.V.	CKD	ORIGIN	SS
TCD	J.L.V.	APPD	STANDARD	
NZPO ENGINEER-IN-CHIEF, WELLINGTON.				
SHT		3		36601.
SIZE		A2		

50V

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
L	HSD 710				B					STRIP CONN	121-5CA
B	B 70799					C1, C3	102		2 μ F	SC BRACKET	1/5BR/13
CD		50487AD(13)				C2, C4	101		1 μ F	CAP CLIP	42
RR	HSD 701				B	C5	8007		2 μ F	RESISTOR POSTS	64mm 89mm
MH	HSD 508					R1	6		100 Ω MTD ON C2	TERM. STRIP	1/DST/844 (SCB, SCC, SCD, SCE, SCF)
						R2	9		360 Ω	SCREWS	4 BA x 3/4"
						R3, R6, R9		RADIO TYPE	910 Ω (620 Ω) $\frac{1}{2}$ W1% NOTE 9.1, 9.2	INS PLATE	1/5PL/196
						R4	12		1K		
						R5	9		1K		
						R7, R10	9		600 Ω	MTG PLATE	F151/20 BH
						R8	9		390 Ω	MTG PLATE	F151/20 AH
						RY1	1A	STC A25		MTG PLATE	F151/21 AH
						D1-D10, D12-D14		IN 4007 OR EQUIV.	DIODES	MTG PLATE	F151/21 AH
						D11		SV-3	VARIATOR	MTG PLATE	GEC C2418
						T1/T2		CSP 149	UNIT HYBRID TRANSFORMER		
						(T1-T2)		TRIMAX 2272	NOTE 9.1		
						UE1, UE2			PAD NZPO 37762 AS SPECIFIED (NOTE 4.7)		

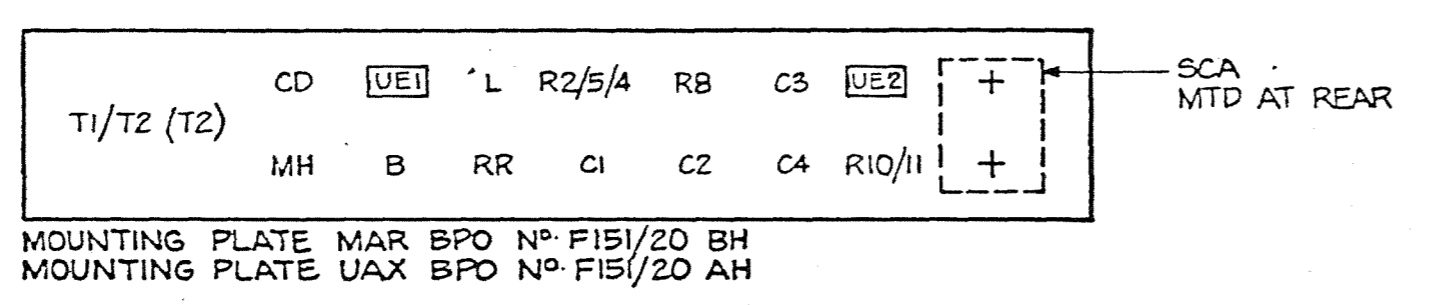
NOTES.

9.1 BRACKETED COMPONENTS COULD BE EQUIPPED WHEN ASSEMBLED FROM EARLIER TYPE RURAL CARRIER RELAY SETS.

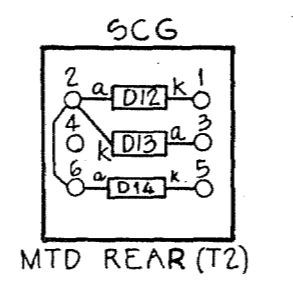
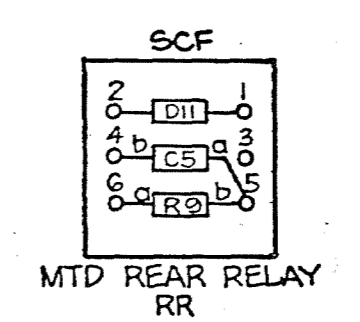
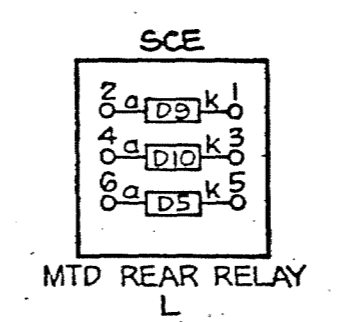
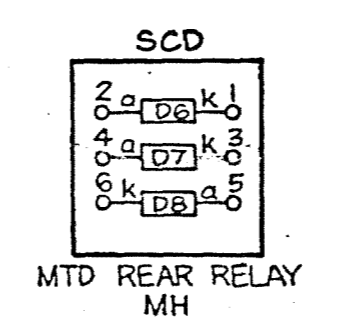
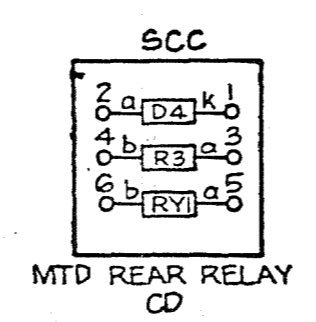
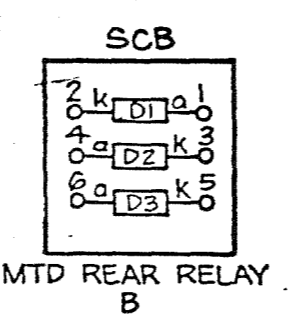
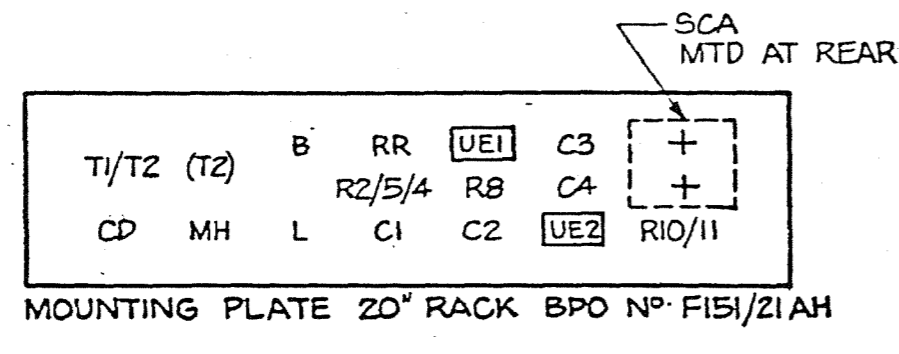
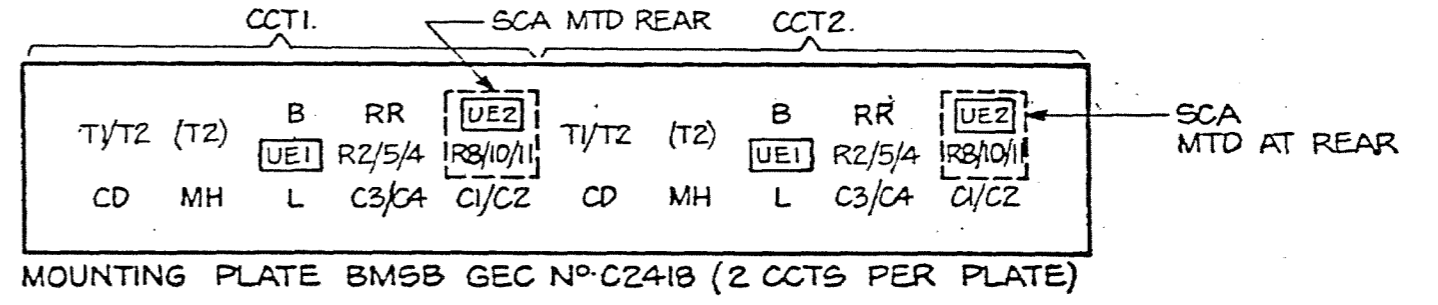
9.2 RESISTOR R6 MOUNTED ON CAPACITOR C4.

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

LAYOUT FRONT VIEW.



LAYOUT FRONT VIEW.



EXCHANGE LINE RELAY SET
(FOR NZPO PABX LINES
VIA O.O.B. CARRIER RCCL
FOR FIG.4)

ISS DATE:	CHANGE		
DRN J.L.V.	CKD	ORIGIN SS	
TCD J.L.V.	APPD	STANDARD	
NZPO ENGINEER-IN-CHIEF, WELLINGTON.			
SH#	9		
SIZE	A2	36601.	

50V