

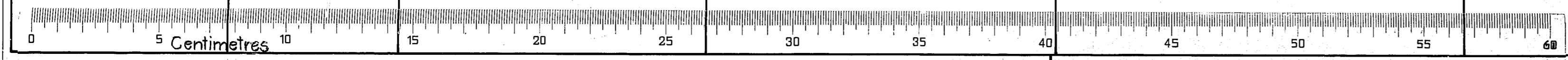
TYPE OF SELECTOR	FIG. NUMBERS REQUIRED.																
	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	13A	14A	15A	16A	17A
LOCAL 1ST	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	13A	14A	15A	16A	17A
INCOMING	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	13A	14A	15A	16A	17A
2ND & SUBSEQUENT SELECTORS	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	13A	14A	15A	16A	17A

\* WIRED BUT NOT USED. Ø NOT TO BE USED FOR NEW WORK.

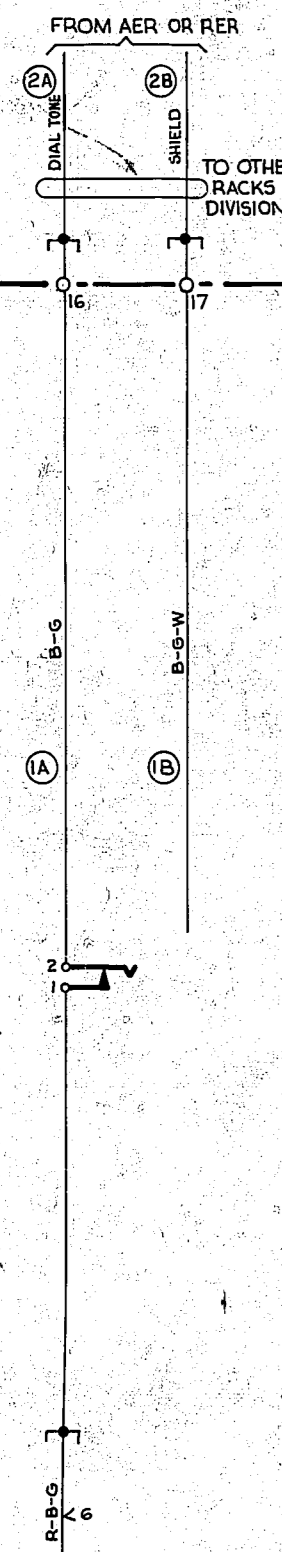
- NOTES:
- UNLESS OTHERWISE SPECIFIED ALL WIRING TO BE 0.7mm. JUMPERS & STRAPS TO BE 0.5mm. IN FIG. 15 ALL WIRING UNLESS OTHERWISE SPECIFIED TO BE 0.5mm. IN FIG. 16 ALL WIRING UNLESS OTHERWISE SPECIFIED TO BE 0.5mm. PLATE WIRING TO BE 0.5mm WHERE PLATE STRAPPING IS USED. COLOURS SHOWN IN BRACKETS ARE TO BE DISREGARDED.
  - UNLESS OTHERWISE SPECIFIED TAGS ARE ON RACK MISC. STRIP CONN.
  - INSERT STRAP SHOWN WHEN OUTLET IS EQUIPPED.
  - INSERT STRAP SHOWN WHEN OUTLET IS SPARE.
  - THE CABLED CONNECTIONS SHOWN ON FIGS 5 & 14 SHALL NOT BE PROVIDED FOR SELR. RACKS ON WHICH ALL SELECTOR LEVELS ARE CONNECTED TO FINAL SELRS.
  - ON THE FIRST RACK ONLY OF RACKS IN WHICH THE SAME LEVELS ARE SPARE, STRAP P1, 11TH STEP TAG ASSOCIATED WITH SPARE LEVELS TO CORRESPONDING ON TAGS.
  - JUMPER CONNECTIONS BETWEEN EARTH & SPARE LEVEL OUTLETS 4-20 & BETWEEN EARTH & SPARE OUTLETS ON WORKING LEVELS SHALL BE MADE ONLY ON THE FIRST RACK ON WHICH THE PARTICULAR LEVEL MULTIPLE APPEARS.
  - LEVEL NUMBERING 0,1,2,3,4,5,6,7,8,9 SHOWN CORRESPONDS TO REVERSE NUMBERED N.Z. DIAL EQUIVALENT NUMBERING TO STANDARD B.P.O. DIAL IS 0,9,8,7,6,5,4,3,2,1, RESPECTIVELY.
  - WHEN ACCESS CIRCUIT IS TO G.B.W. 14420 OR EQUIV. PROVIDE CONNECTION SHOWN WHEN ACCESS CIRCUIT IS TO G.B.W. 16900 OR EQUIV. PROVIDE CONNECTION SHOWN IN WHICH CASE OD RELAY COIL TAG DESIGNATIONS ENCLOSED IN BRACKETS APPLY.
  - AT SOME EARLY EXCHANGES YB AND YC ARE 1200 OHMS AND BATTERY WIRING IS BK.
  - STRAP TAG 31 TO TAGS 32, 33, 34 & 35 FOR SHELVES ACCOMMODATING LOCAL 1ST SELECTORS. STRAP TAGS 32, 33, 34 & 35 TO TAGS 22, 23, 24 & 25 RESPECTIVELY FOR SHELVES ACCOMMODATING OTHER THAN LOCAL 1ST SELECTORS.
  - THE SHELF DESIGNATIONS ARE TYPICAL ONLY. IN EXCHANGES WHERE RACKS ACCOMMODATE BOTH LOCAL 1ST SELECTORS AND OTHER TYPES OF GROUP SELECTOR THE WIRING OF THESE LEADS TO ONE OR TWO SHELVES IS ARRANGED TO SUIT INDIVIDUAL RACK REQUIREMENTS.

- N.Z. NOTES:
- WHEN REQD. RELAY AP TO BE MOUNTED IN SPARE POSITION ON PLATE WITH RA RELAYS. FIG. 3.
  - WHEN REQD. RELAY AD TO BE MOUNTED IN SPARE POSITION ON PLATE WITH PG RELAYS. FIG. 4.
  - TO BE MOUNTED ON ANI RACK AS SPECIFIED.
  - TO BE MOUNTED ON A GROUP SELECTOR RACK LOCATED ON THE SAME SUB-SECTION AS THE MISC. USING A SPARE LAMP POSITION OR ADD A LAMP BRACKET AND SOCKET (LH STOCKLIST) AND LAMPS (K STOCKLIST).
  - MOUNT RELAYS MJA AND MNA TO AN EXISTING MOUNTING PLATE IF THIS IS PRACTICABLE OR AS LOCAL CONDITIONS DICTATE USING THE SAME LOCALE AS DESCRIBED FOR N.Z. NOTE D. ABOVE.
  - TO BE MOUNTED ON A GROUP SELECTOR RACK LOCATED IN THE SAME SUB-SECTION AS THE MISC. USING A SPARE KEY POSITION OR ADD A KEY MOUNTING PLATE (LH STOCKLIST).
  - WHEN FIG. 20, 20A, 21 & 21A REQUIRED, AN ADDITIONAL TERMINAL STRIP WILL ALSO BE REQUIRED (41-60).
  - TO BE MOUNTED ON IZA-ANI FRAME AS SPECIFIED.
  - RELAY ZAP & ZAD TO BE MOUNTED ON AN EXISTING PLATE IN THE SAME SUBSECTION OR AS LOCAL ARRANGEMENTS APPLY.

COMMON SERVICES RACK		WIRING FOR GROUP SELECTORS WITH GRADING FACILITIES	
200 OUTLET - 2000 TYPE.		SIZE A1 150V E	
NZPO	DRANN	CHECKED 9-12-49	WIRED CIRCUIT
<b>GBW 11770</b>			
SHT. 1 OF 4			



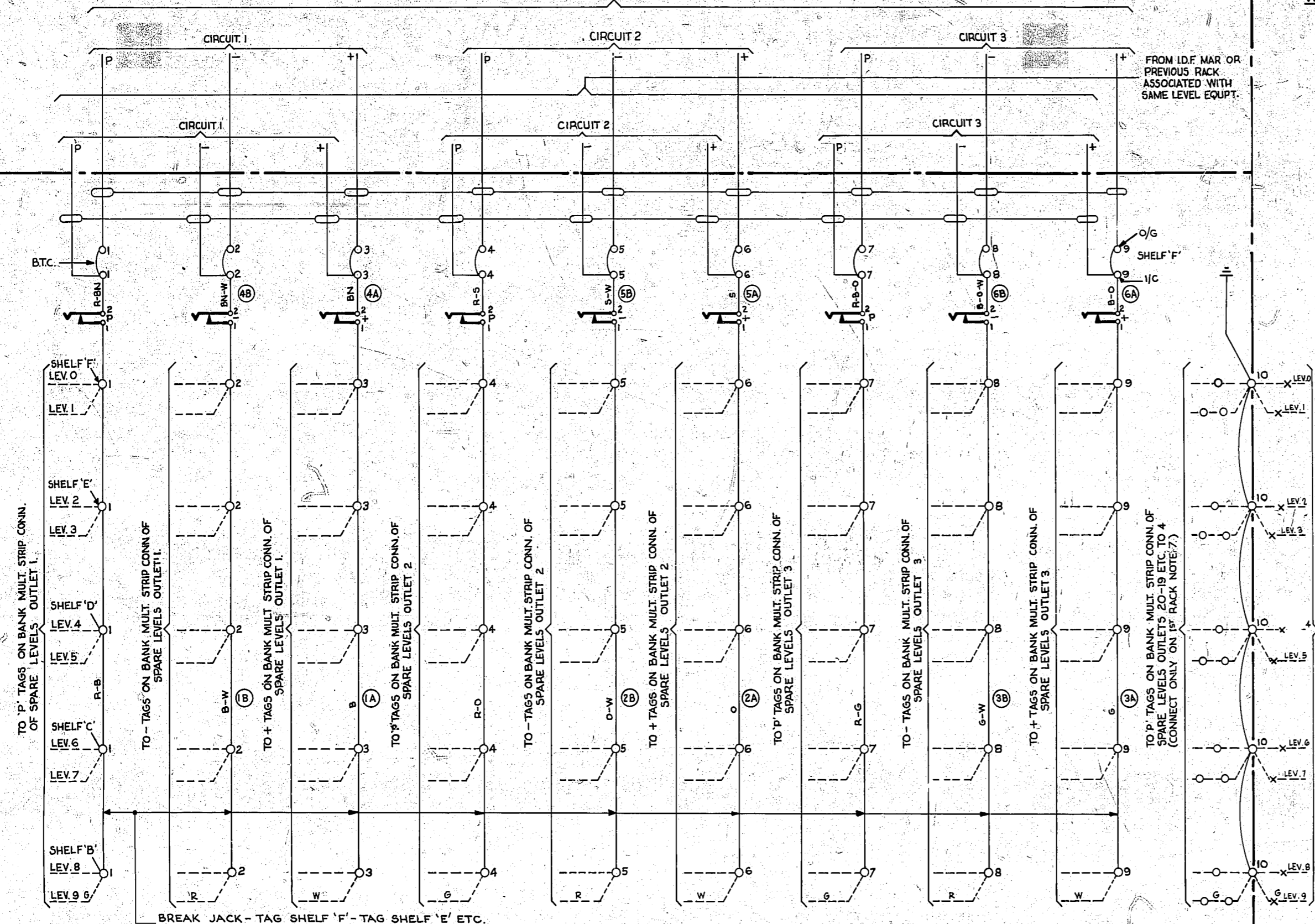
**FIG. 7**  
DIAL TONE  
EARTH  
DISTRIBUTION



**FIG. 7A**  
1 PER RACK

NOT TO BE USED  
FOR NEW WORK

**FIG. 8**  
SPARE LEVELS (NOTE 1)  
TO NEXT RACK ASSOCIATED WITH SAME SPARE LEVEL EQUIP.



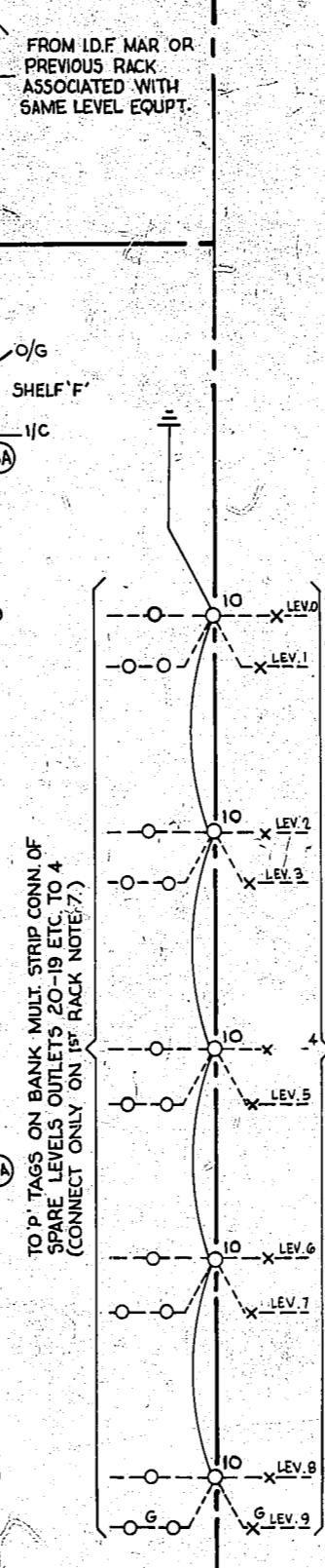
**ALLOCATION OF NOTCHES ON TAGS ON SHELF MISC. STRIP CONN.**

SHELF	BACK NOTCH	CENTRE NOTCH	FRONT NOTCH
F	O/G	NIL	O/G TO NEXT RACK B.T.C. COMMON
F	I/C	O/G TO ISOLATION JACK	I/C FROM I.D.F. MAR. OR PREV. RK
F	LOC	I/C FROM ISOLATION JACK O/G TO SHELF 'E'	1 <sup>ST</sup> SPARE LEVEL JUMPER 2 <sup>ND</sup> SPARE LEVEL JUMPER
C,D & E	I/C	I/C FROM UPPER SHELF O/G TO LOWER SHELF	"
B	I/C	I/C FROM SHELF 'C'	"

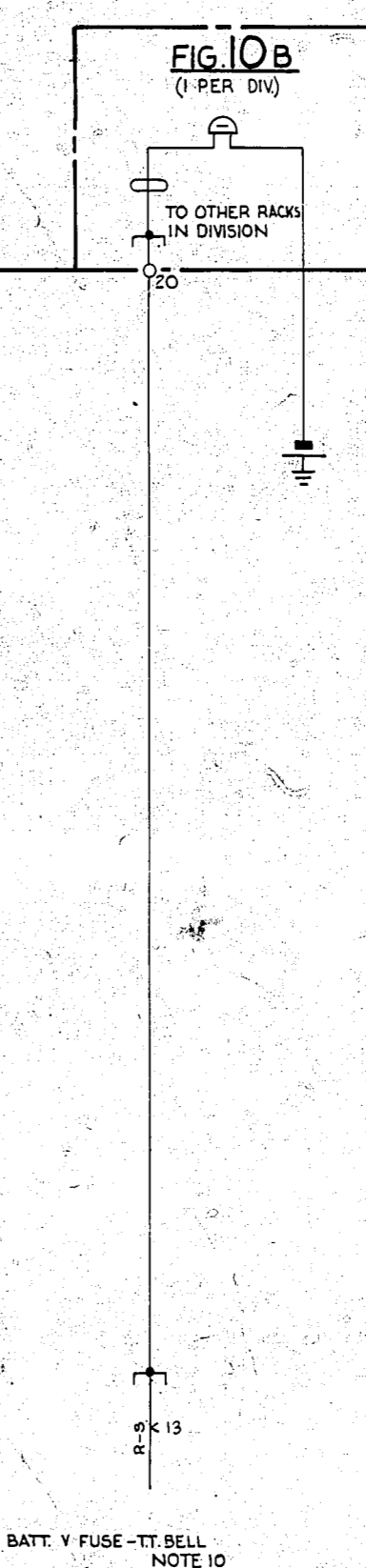
**FIG. 8A**  
1 PER RACK

EARTH R. EARTH BAR. 0.7mm TAG 10 (SHELF. F) - TAG 10 (SHELF. E) ETC.

**FIG. 9**  
CONNECTIONS TO  
SPARE OUTLETS ON  
WORKING LEVELS

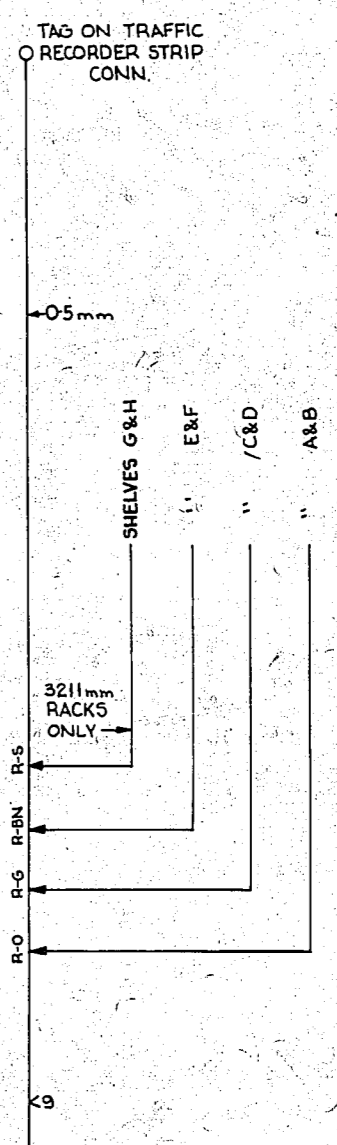


**FIG. 10**  
TEST TRUNK  
BELL



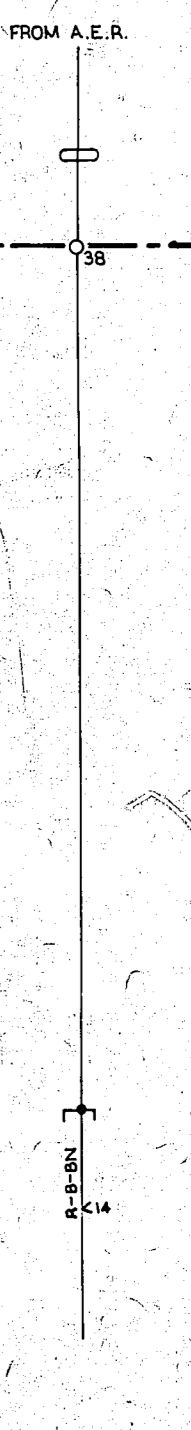
**FIG. 10A**  
1 PER RACK

**FIG. 11**  
TRAFFIC  
RECORDER



**FIG. 11A**  
1 PER SEL.

**FIG. 12**  
P.G. OVERLOAD  
ALARM BATT.



**FIG. 12A**  
1 PER RACK

NO CHANGE SMT 4 AMP NZM-VG (58480)		7	12.6
NO CHANGE SMT 4 AMP (80805)		7E	11.75
NO CHANGE SMT 1.25 AMP (70608)		7D	12.25
REDRAWN & METRICATED FROM 100.76, 101.76 (082528)		7C	12.12
AMENDMENT PARTICULARS 168 DATE APD			
NZPO		DRAWN CHECKED WIRING CIRCUIT	
		9-12-43	
COMMON SERVICES RACK WITH GRADING FACILITIES 200 OUTLET - 2000 TYPE.			SIZE A1 50V E
<b>GBW. 11770</b>			
SHT. 2 OF 4			



**FIG. 13**  
OVERFLOW METERS

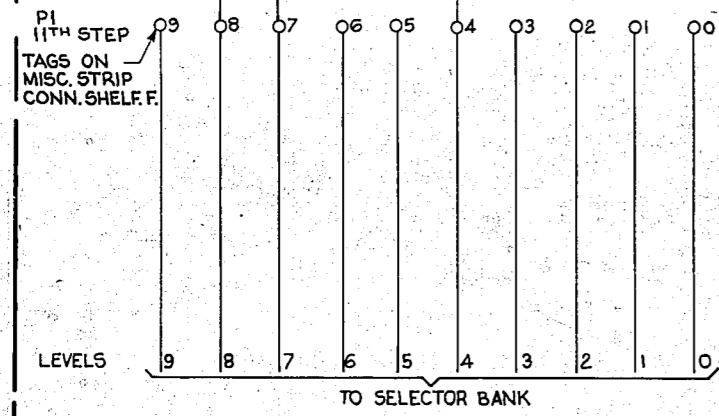
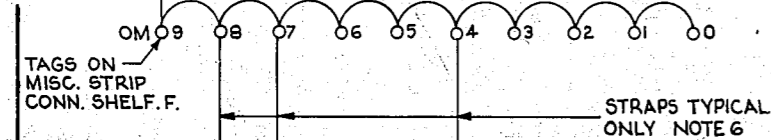
TO OVERFLOW METER

**FIG. 14**  
SPARE LEVEL OVERFLOW

TO SPARE LEVEL OVERFLOW METER

COMMON TO ALL RACKS SERVED BY SAME SET OF SPARE LEVEL CIRCUITS.

**FIG. 14 A**  
1 PER RACK

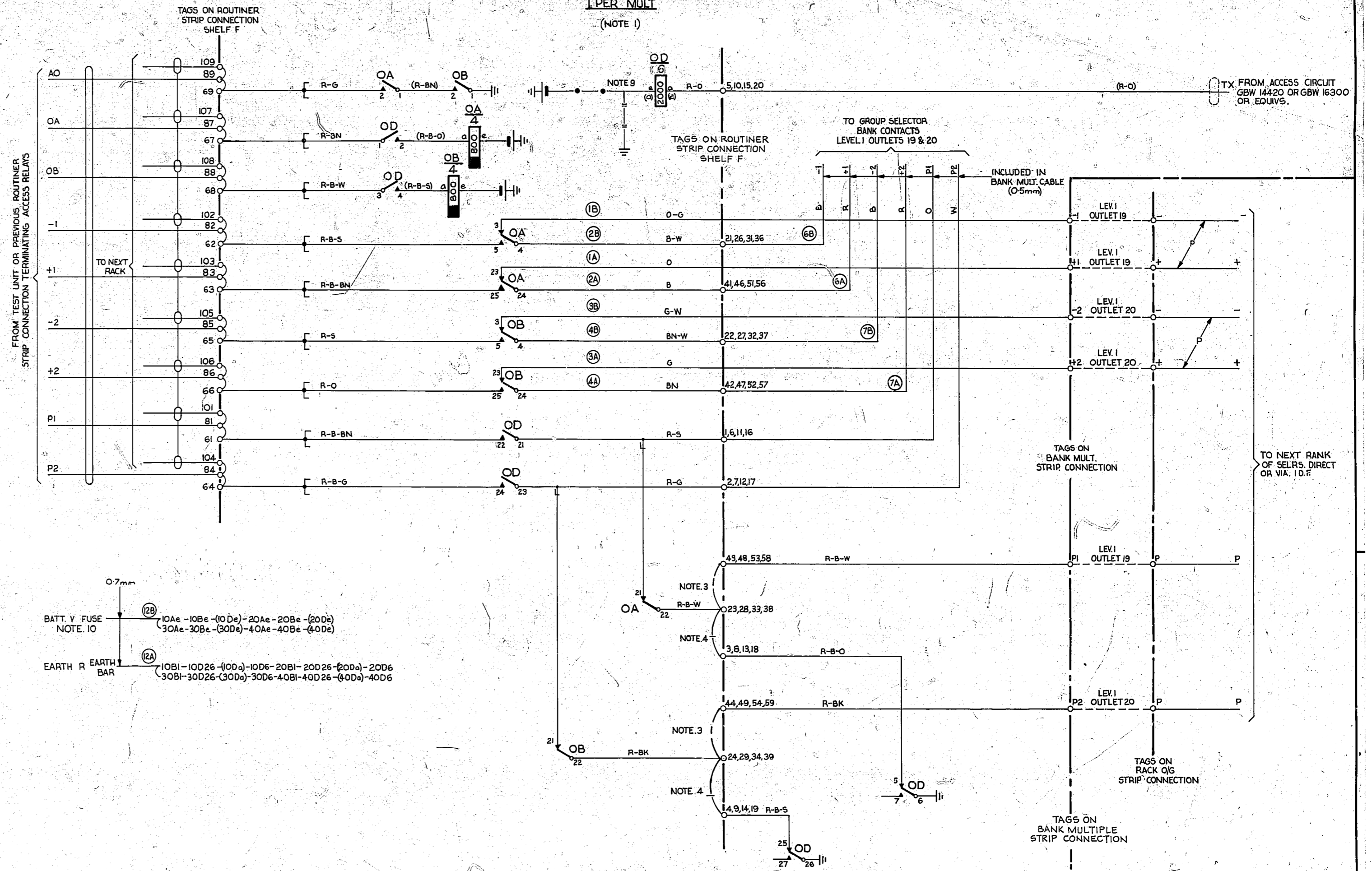


**FIG. 13 A**  
1 PER WORKING LEVEL PER GRADING

EXPLANATORY ONLY

**FIG. 15**  
ROUTINER TEST LINE ACCESS CONNECTIONS 1 PER MULT.

(NOTE 1)



0.7mm  
BATT. V FUSE NOTE. 10  
EARTH R EARTH BAR

(29) 10Ae-10Be-(10De)-20Ae-20Be-(20De)  
30Ae-30Be-(30De)-40Ae-40Be-(40De)

(24) 10Bi-10D26-(10D)-10D6-20Bi-20D26-(20D)-20D6  
30Bi-30D26-(30D)-30D6-40Bi-40D26-(40D)-40D6

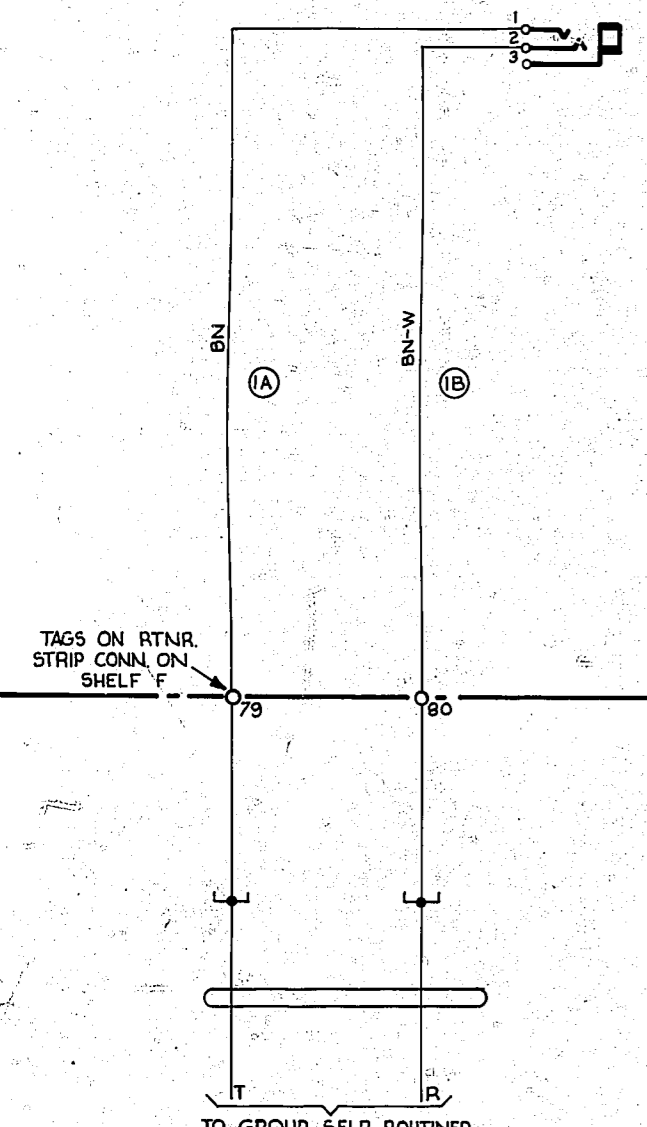
EXPLANATORY ONLY



SLOW RELEASE		SLOW OPERATE	
COMMON SERVICES RACK WIRING FOR GROUP SELECTORS WITH GRADING FACILITIES			
OO OUTLET - 2000 TYPE.			
AMENDMENT PARTICULARS		ISS. DATE	APD.
NZPO		DRAWN	CHECKED WIRING CIRCUIT.
		9-12-49	
GBW. 11770			SIZE: A1 50V E.
			SHT. 3 of 4

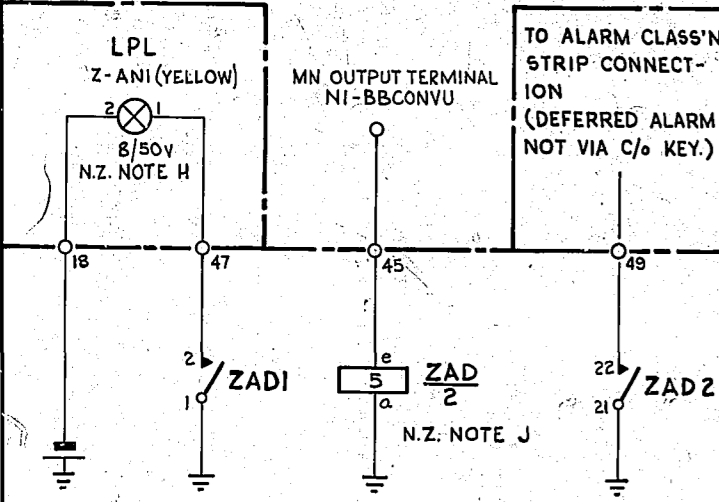
**FIG. 16**  
GROUP SELECTOR ROUTINER  
RESET JACK  
1 PER RACK

SUPERSEDED BY GBW 16300  
FIG.2 OR EQUIV. FOR NEW WORK



**FIG. 16A**

**FIG. 24**  
1ZA-ANI ALARM DEFERRED  
PART OF ANI DRAWINGS  
XC76466 MOD.A & XK700968 MOD.A  
EXPLANATORY ONLY

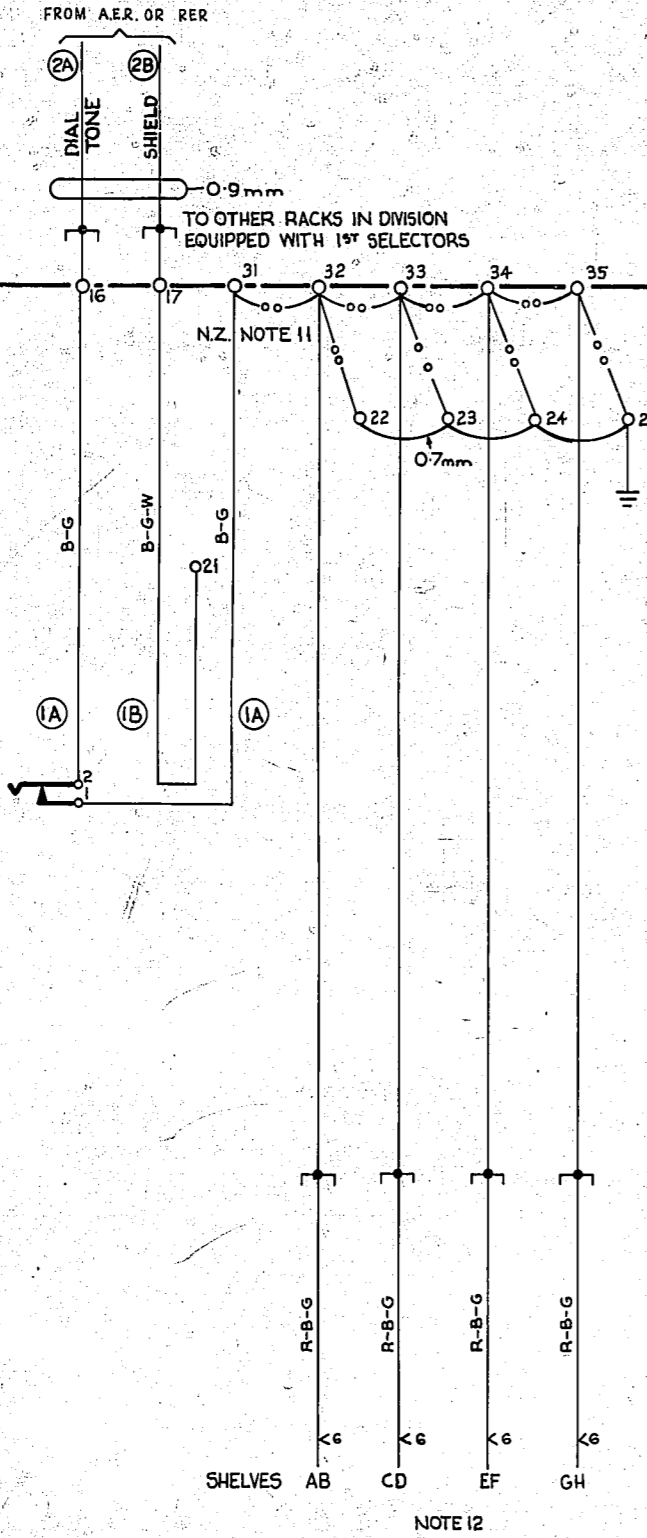


**FIG. 24A**

MOUNTED ON ONE G/S RACK IN  
SAME SUBSECTION AS 1ZA-ANI SUITE.

BATT. V. FUSE - SHELF MISC. STRIP CONN. TAG 18  
EARTH. R. EARTH BAR - ZADa - ZADI - ZAD2I

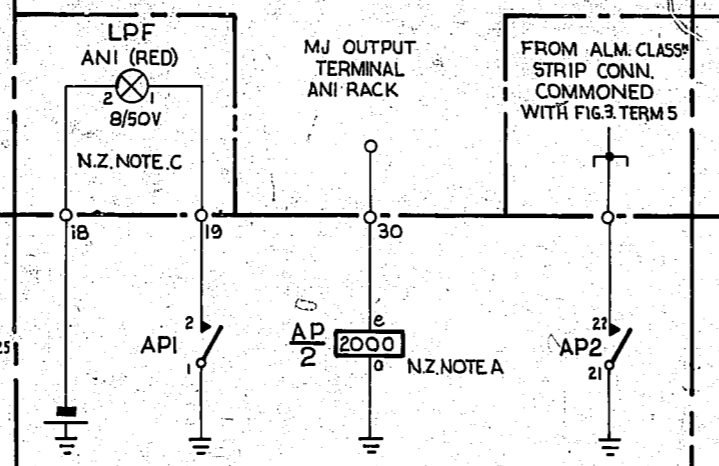
**FIG. 17**  
DIAL TONE EARTH  
DISTRIBUTION



**FIG. 17A**  
1 PER RACK

EARTH. R. ETH. BAR. TAG 25

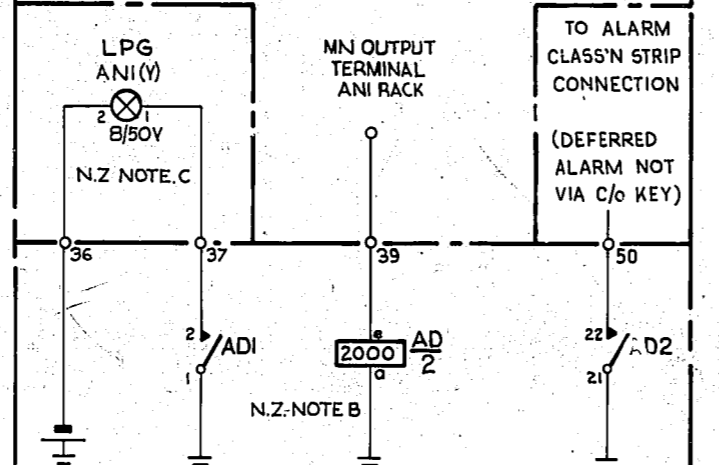
**FIG. 18**  
NA 200 ANI ALARM PROMPT  
PART OF NA 200 ANI DRAWINGS  
XC-74529-001 & XC75191-001  
EXPLANATORY ONLY



**FIG. 18 A**  
MOUNTED ON ONE G/S RACK IN  
SAME SUBSECTION AS ANI SUITE

BATT. V. FUSE - SHELF MISC. STRIP CONN. TAG 18  
EARTH. R. EARTH BAR - AP1 - AP2I

**FIG. 19**  
NA 200 ANI ALARM DEFERRED  
PART OF NA 200 ANI DRAWINGS  
XC-74529-001 & XC75191-001  
EXPLANATORY ONLY

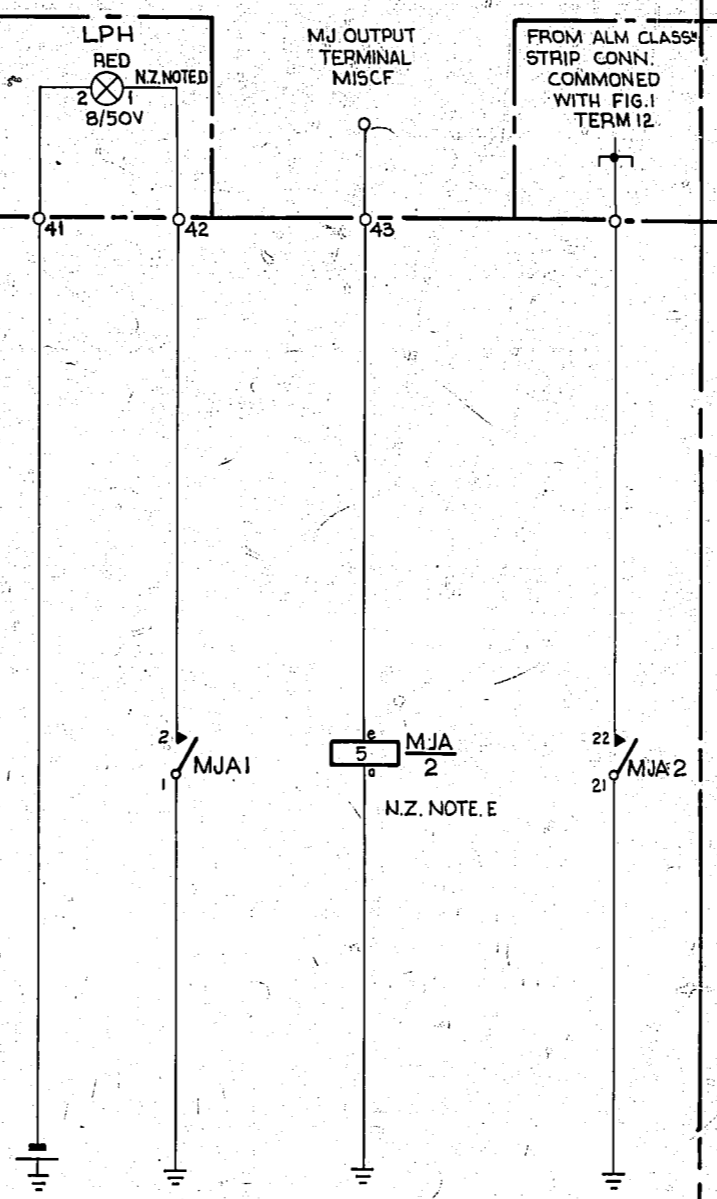


**FIG. 19A**

MOUNTED ON ONE G/S RACK IN  
SAME SUBSECTION AS ANI SUITE

BATT. V. FUSE - SHELF MISC. STRIP CONN. TAG 36  
EARTH. R. EARTH BAR - ADa - ADI - AD2I

**FIG. 20** (N.Z. NOTE. G)  
REMOTE CROSS-BAR EXCHANGE ALARM  
PROMPT  
PART OF MISC.F. XC73793-001 OR EQUIV.  
EXPLANATORY ONLY

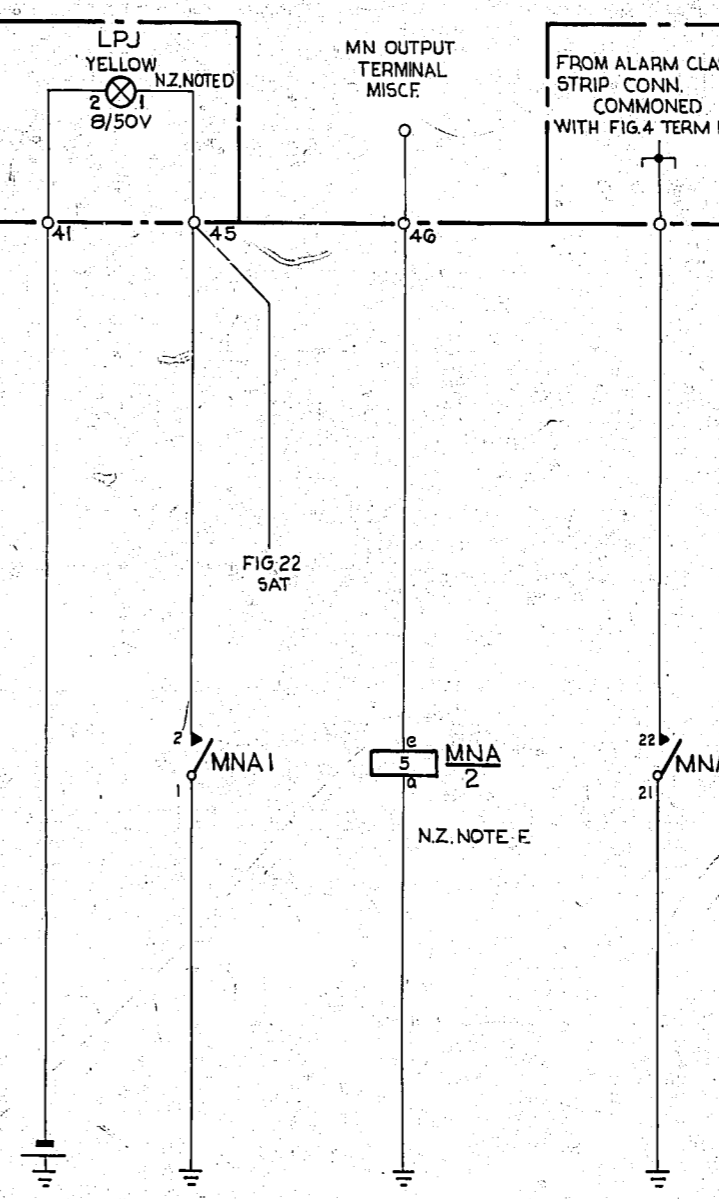


**FIG. 20A**  
MOUNTED ON ONE G/S RACK IN  
SAME SUBSECTION AS THE MISC.F.

AS REQUIRED

BATT. V. FUSE TAG 41  
EARTH. R. ETH. BAR - MJAa - MJAI - MJA2I  
MNAa - MNAI - MNA2I

**FIG. 21** (N.Z. NOTE. G)  
REMOTE CROSS-BAR EXCHANGE ALARM  
DEFERRED  
PART OF MISC.F. XC73793-001 OR EQUIV.  
EXPLANATORY ONLY

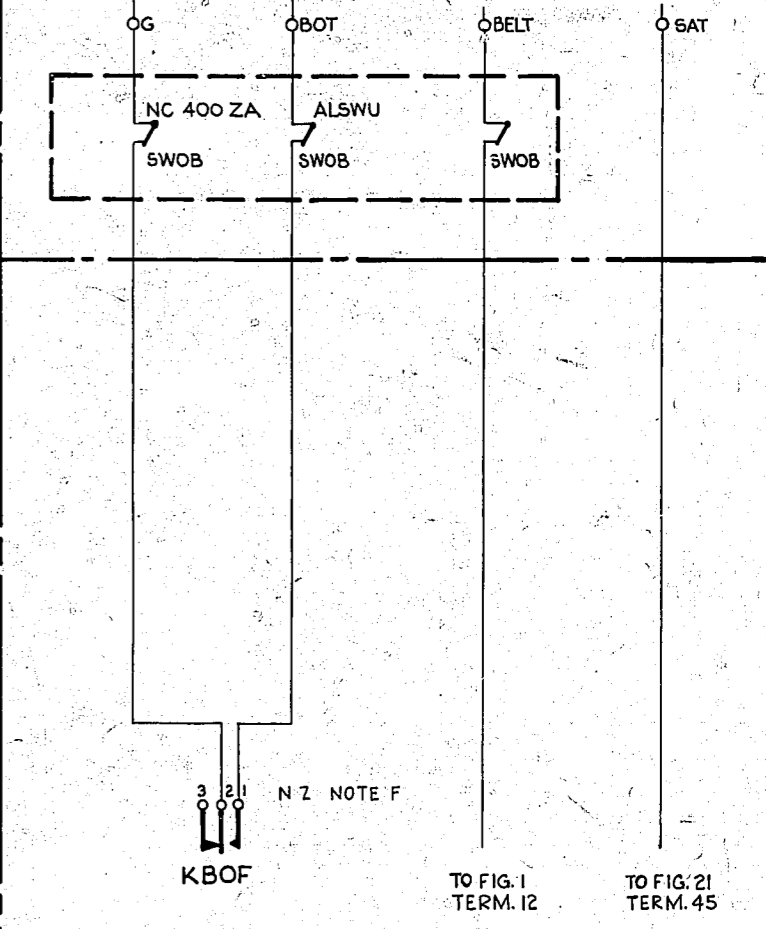


**FIG. 21 A**  
MOUNTED ON ONE G/S RACK IN  
SAME SUBSECTION AS THE MISC.F.

AS REQUIRED

BATT. V. FUSE TAG 41  
EARTH. R. ETH. BAR - MJAa - MJAI - MJA2I  
MNAa - MNAI - MNA2I

**FIG. 22**  
REMOTE CROSS-BAR EXCHANGE ALARM  
PART OF NC400ZA-ALREC XC73638  
EXPLANATORY ONLY

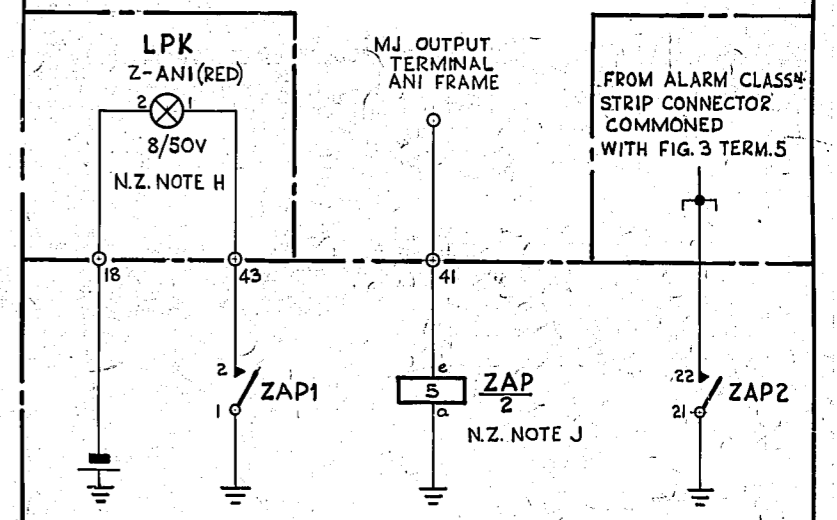


**FIG. 22 A**  
MOUNTED ON ONE G/S RACK IN  
SAME SUBSECTION AS THE MISC.F.

AS REQUIRED

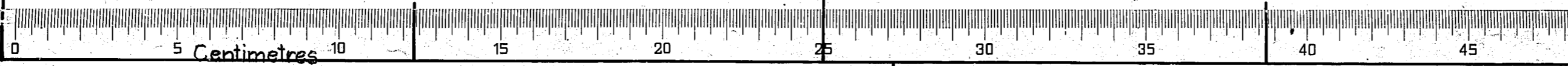
TO FIG. 12 TERM. 12  
TO FIG. 21 TERM. 45

**FIG. 23**  
1ZA-ANI ALARM PROMPT  
PART OF ANI DRAWINGS  
XC76466 MOD. A & XK700968 MOD. A  
EXPLANATORY ONLY



**FIG. 23A**  
MOUNTED ON ONE G/S RACK IN  
SAME SUBSECTION AS 1ZA-ANI SUITE.

BATT. V. FUSE - SHELF MISC. STRIP CONN. TAG 18  
EARTH. R. EARTH BAR - ZAPa - ZAPI - ZAP2I



SLOW RELEASE		SLOW OPERATE	
COMMON SERVICES RACK WIRING FOR GROUP SELECTORS WITH GRADING FACILITIES 200 OUTLET - 2000 TYPE.			
AMENDMENT PARTICULARS		ISS. DATE	APD
FIG. 19, 24 AND NAM-VG (58680) 7/7 3/10		7/7	7/7
FIG. 18 & 24 AND (80809) 7/7 7/7		7/7	7/7
FIG. 18, 19, 24 AND FIG. 23, 23A, 24, 24A APPD. (70208)		7/7	7/7
REVISIONS & SPECIFICATIONS FROM 1950, 75, 10-1-76		7/7	7/7
DRAWN		CHECKED	WIRING CIRCUIT
N.Z.I.P.O.		19-12-79	
GBW. 11770		SHT. 4 of 4	