

FRONT VIEW WITH DOOR REMOVED

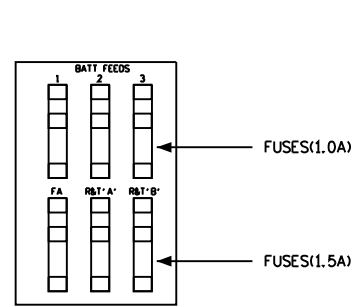


FIG 6

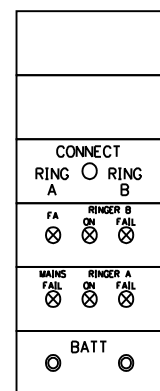


FIG 5



FIG 7

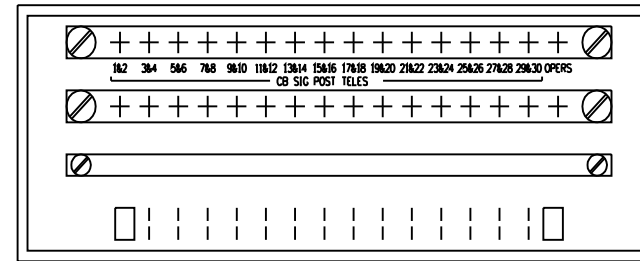


FIG 1

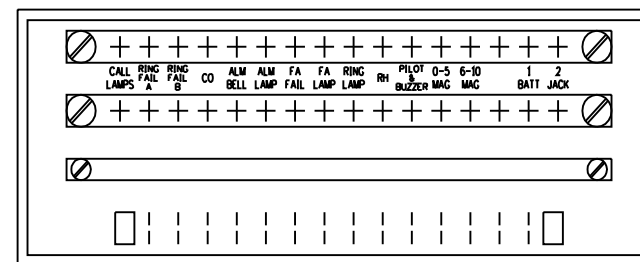


FIG 2

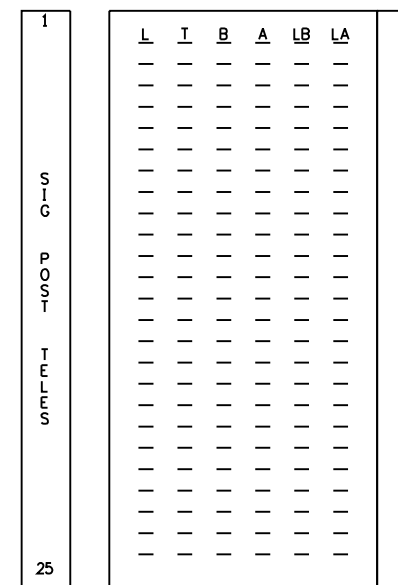


FIG 3

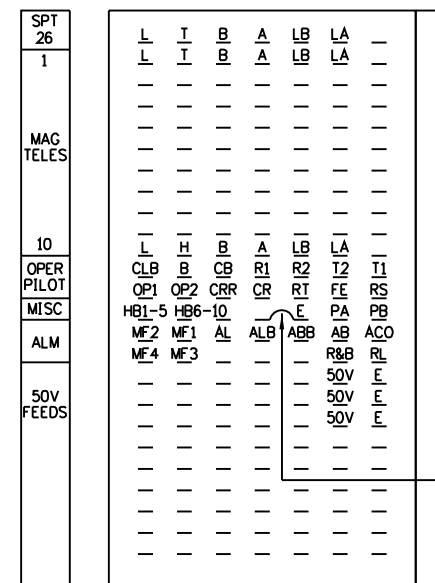
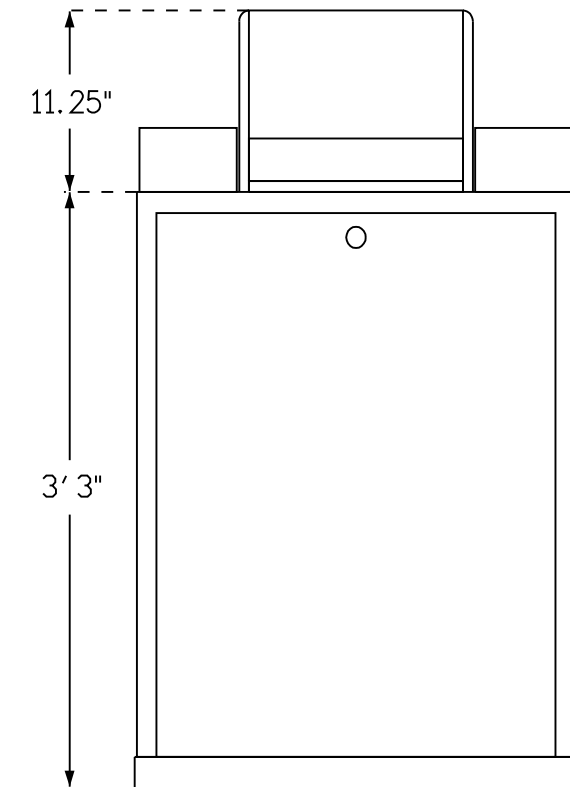


FIG 4

B.T.C. STRAPPING

TABLE OF EQUIPMENT		
PLATE	EQUIPMENT	COVERS & NOTES
A,B,C	RELAY 'SR' N137965 RELAY 'LPR' N30301	COVERS N7269 MTGS N18373
D	RELAY 'SR' N137965 RELAY 'LPR' N30301 RELAY 'BR' N137950 RELAY 'LPR' N30301	COVERS N7269 MTGS N18373
E	RELAY 'BR' N137950 RELAY 'LPR' N30301 COND 2 F N370701 RECTIFIER N23728A4 WASHER WSX.62 5 BRACKET N95117	COVERS N7269 MTGS N18373
F	RELAY 'TR' N33834 RELAY 'P' N30013 RELAY 'CO' N30468 RELAY 'COR' N30468 RELAY 'PH' N31341 RELAY 'PHA' N38700 RELAY 'ACO' N30103 RELAY 'FA' N30187 IND.COIL N3852 A1 COND 2 F 'C2 & C4' N3707C1 COND 1 F 'C1 & C5' N3707B1 COND .25 F 'C3' N23167A3 BRACKET N95117 RES COIL 'R5 & R7' 250 N3592L RE COIL 'R6' 150 N3552P STUD ASSEM N92206 RECT 1/12 N23728A4 RES 'R1' 390 N22780 D39 RES SPOOL 200 N3570 RES COILS 'R5 & R6' N3592L ('RING') STUD ASSEM N92199	COVERS N7264A MTGS N6041

STIFFENING ROD N18483 FITTED TO EACH RELAY MTG. PLATE

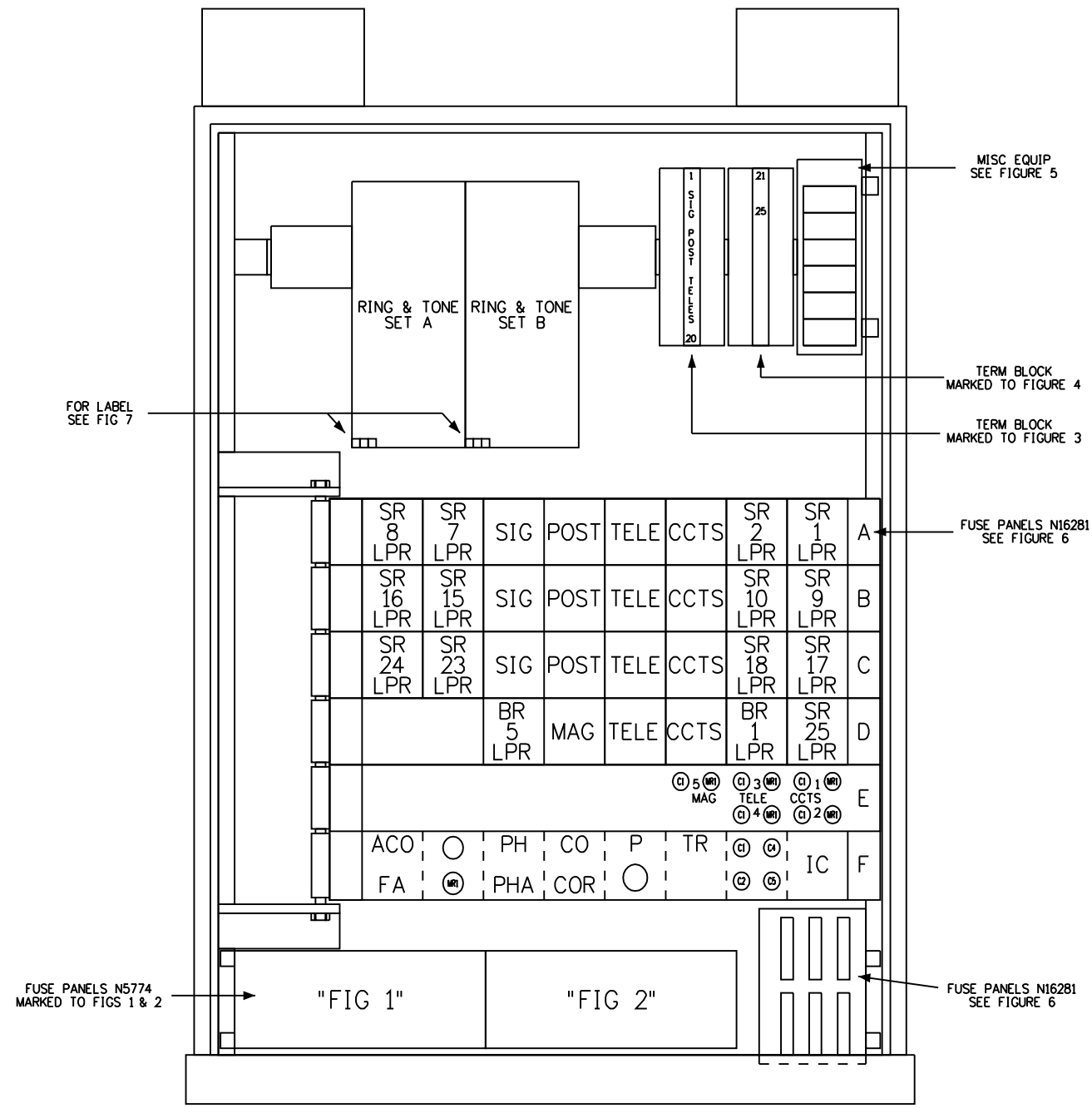


DEPTH OF CABINET 12.25"

VIEW SHOWING TELEPHONE SET MOUNTED ON CABINET

36 LINE TELEPHONE SET & APPARATUS CABINET EQUIPMENT

DIAGRAM : 160935



FRONT VIEW WITH DOOR REMOVED

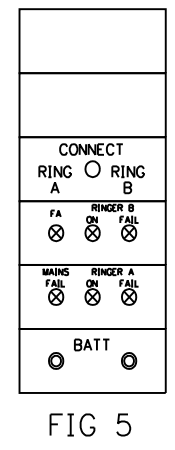
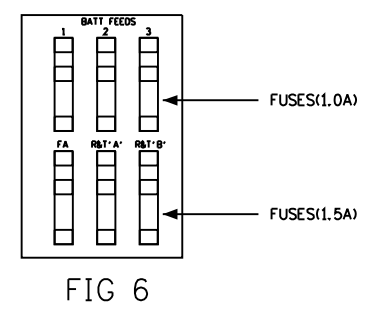
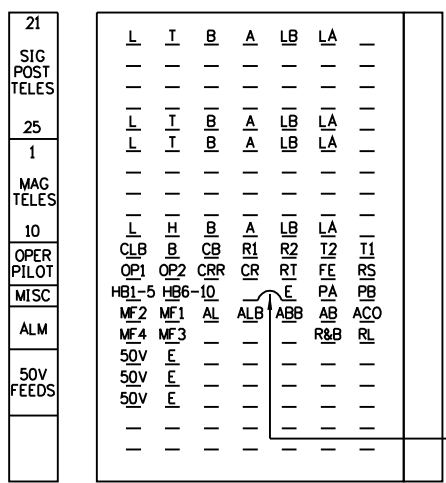
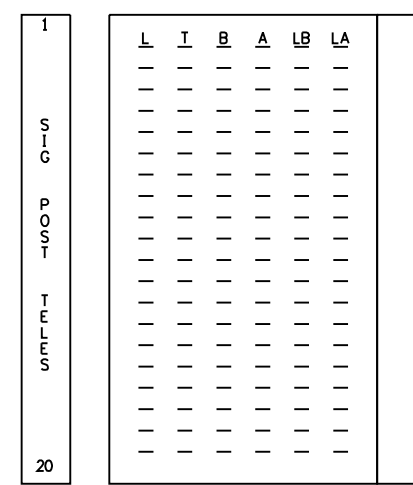
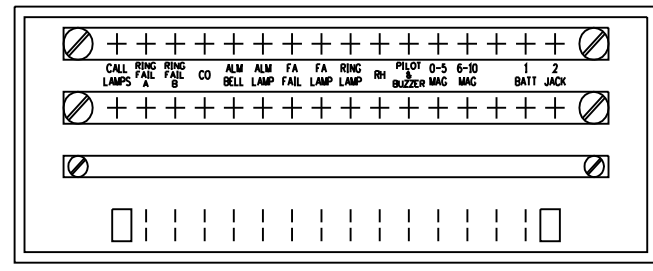
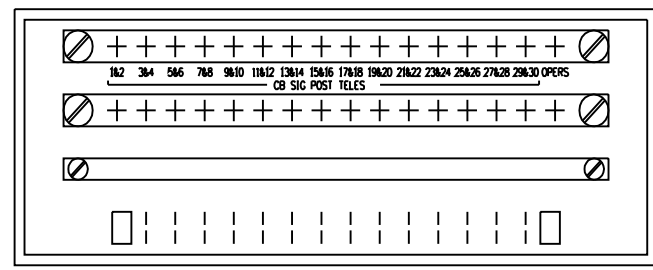
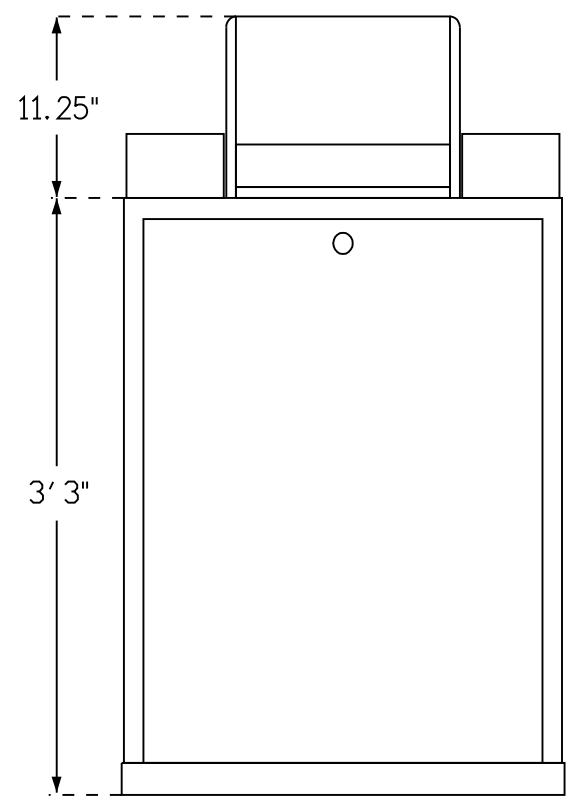


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STIFFENING ROD N18483 FITTED TO EACH RELAY MTC. PLATE



VIEW SHOWING TELEPHONE SET MOUNTED ON CABINET

DEPTH OF CABINET 12.25"

30 LINE TELEPHONE SET & APPARATUS CABINET EQUIPMENT

DIAGRAM : 161106

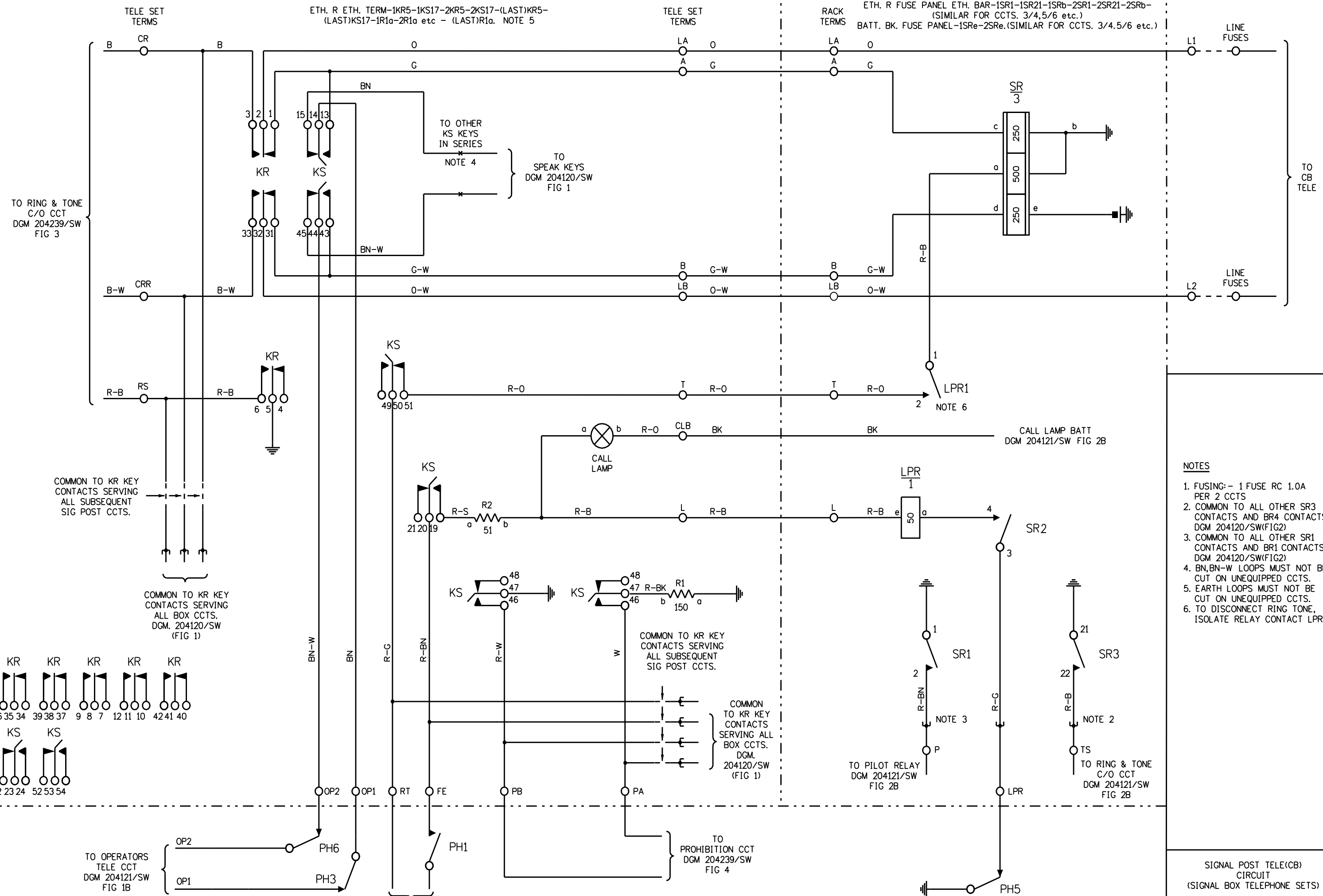
FIG - 1 : TELEPHONE SET

FIG - 2 : APPARATUS RACK

LINE TERMINAL PANEL

ETH. R ETH. TERM-1KR5-1KS17-2KR5-2KS17-(LAST)KR5-(LAST)KS17-1R1a-2R1a etc - (LAST)R1a. NOTE 5

ETH. R FUSE PANEL ETH. BAR-1SR1-1SR21-1SRb-2SR1-2SR21-2SRb- BATT. BK. FUSE PANEL-1SRe-2SRe.(SIMILAR FOR CCTS. 3/4,5/6 etc.)



- NOTES**
1. FUSING:- 1 FUSE RC 1.0A PER 2 CCTS
  2. COMMON TO ALL OTHER SR3 CONTACTS AND BR4 CONTACTS DGM. 204120/SW(FIG2)
  3. COMMON TO ALL OTHER SR1 CONTACTS AND BR1 CONTACTS DGM. 204120/SW(FIG2)
  4. BN, BN-W LOOPS MUST NOT BE CUT ON UNEQUIPPED CCTS.
  5. EARTH LOOPS MUST NOT BE CUT ON UNEQUIPPED CCTS.
  6. TO DISCONNECT RING TONE, ISOLATE RELAY CONTACT LPR1

SIGNAL POST TELE(CB) CIRCUIT (SIGNAL BOX TELEPHONE SETS)

DIAGRAM : 204119/SW

SPECK (KS) RING (KR) 8 8

FIG - 1 : TELEPHONE SET

ETH. R ETH. TERM-1KR5-1KS17-2KR5-2KS17-(LAST)KR5-(LAST)KS17-1R1a-2R1a etc - (LAST)R1a. NOTE 5

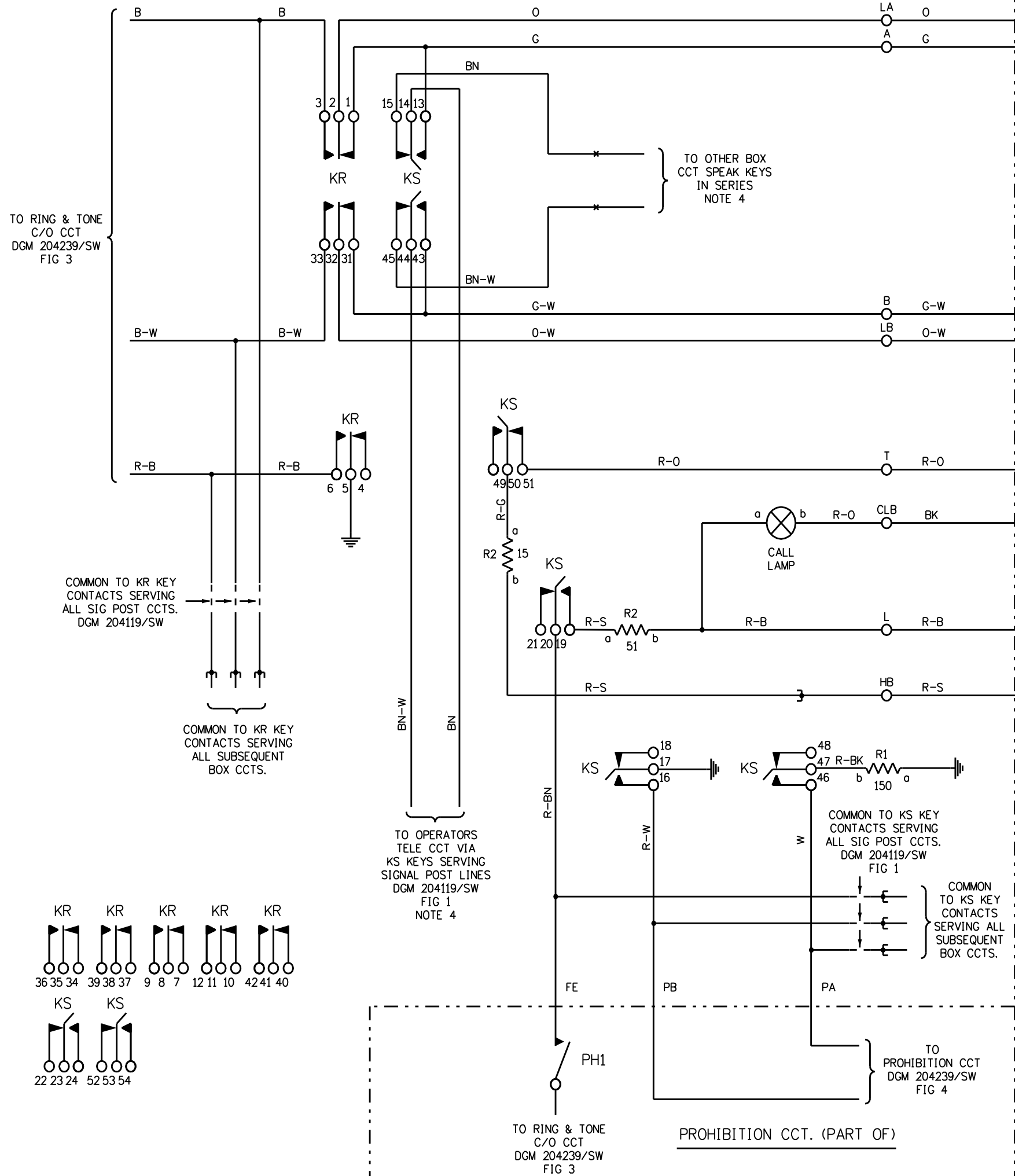
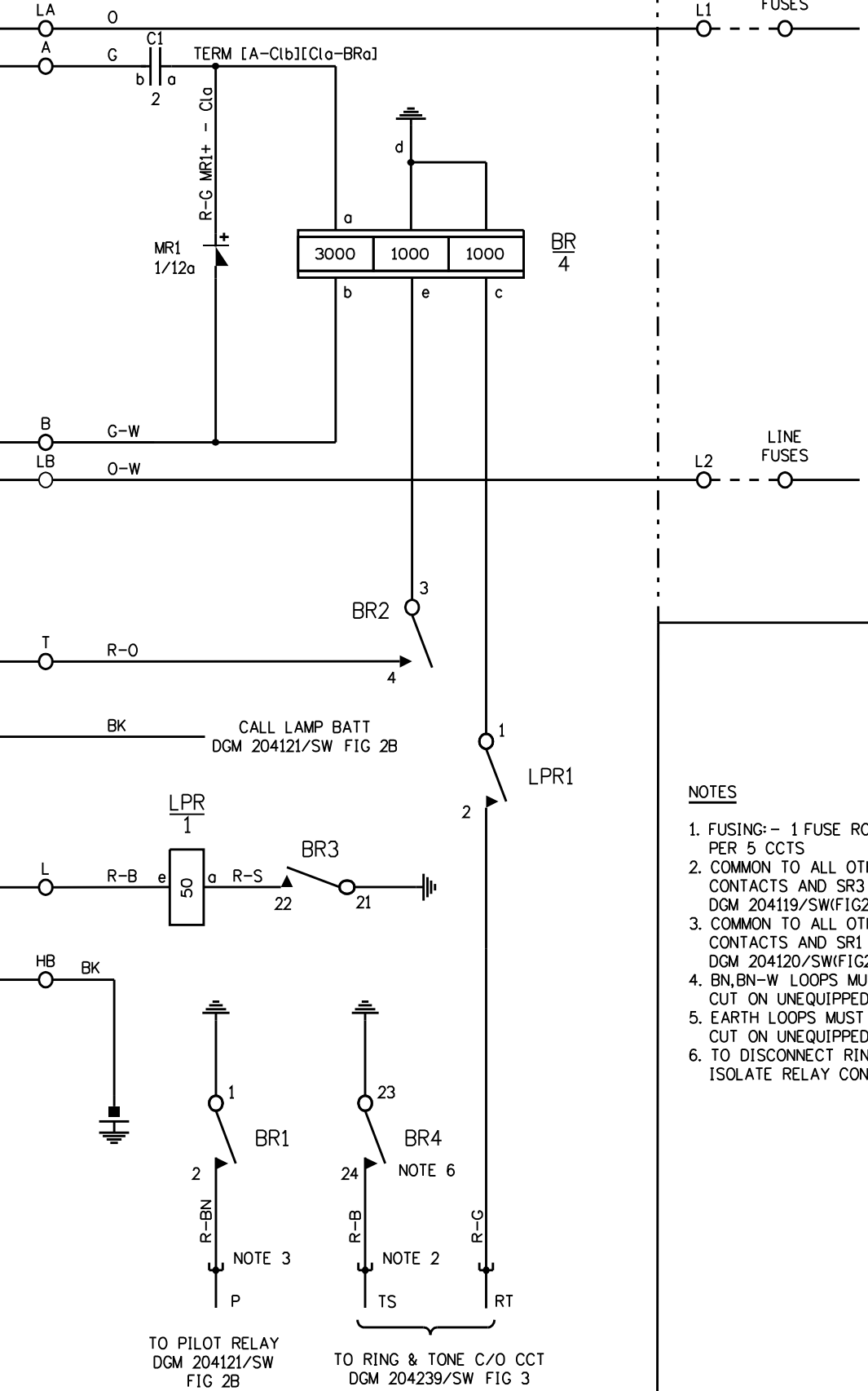
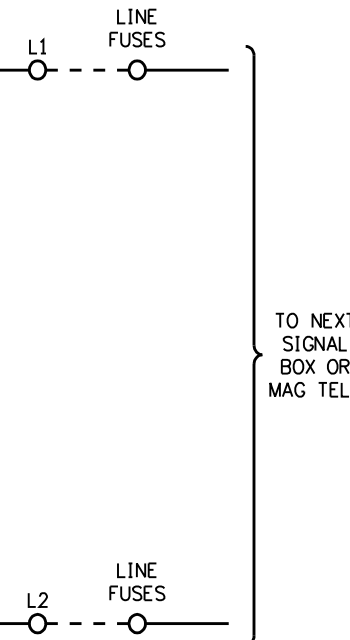


FIG - 2 : APPARATUS RACK

ETH. R FUSE PANEL ETH. BAR-1BR1-1BR21-1BR23-1BRd-2BR1-2BR21-2BR23-2BRd etc -5BR1-5BR21-5BR23-5BRd BATT. BK. FUSE PANEL-1SRe-2SRe.(SIMILAR FOR CCTS. 3/4.5/6 etc.)



LINE TERMINAL PANEL

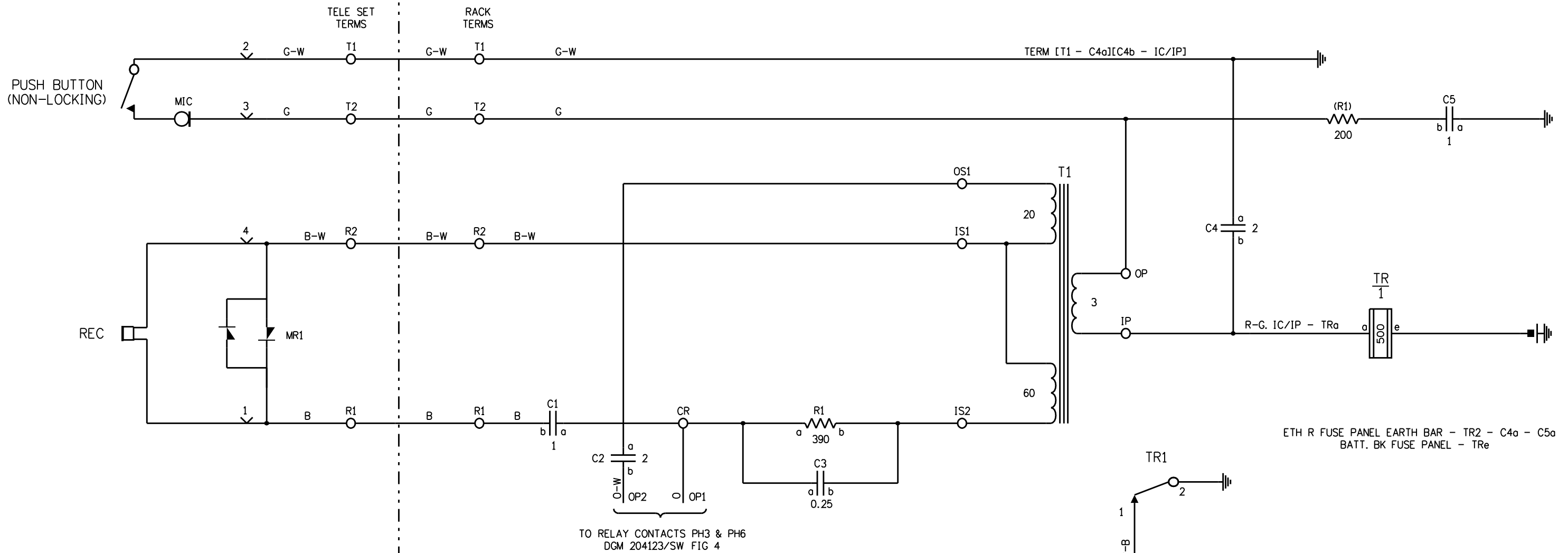


- NOTES
1. FUSING:- 1 FUSE RC 1.0A PER 5 CCTS
  2. COMMON TO ALL OTHER BR4 CONTACTS AND SR3 CONTACTS DGM 204119/SW(FIG2)
  3. COMMON TO ALL OTHER BR1 CONTACTS AND SR1 CONTACTS DGM 204120/SW(FIG2)
  4. BN,BN-W LOOPS MUST NOT BE CUT ON UNEQUIPPED CCTS.
  5. EARTH LOOPS MUST NOT BE CUT ON UNEQUIPPED CCTS.
  6. TO DISCONNECT RING TONE, ISOLATE RELAY CONTACT BR4

SIGNAL BOX TELEPHONE CIRCUIT (SIGNAL BOX TELEPHONE SETS)

FIG - 1A : TELEPHONE SET

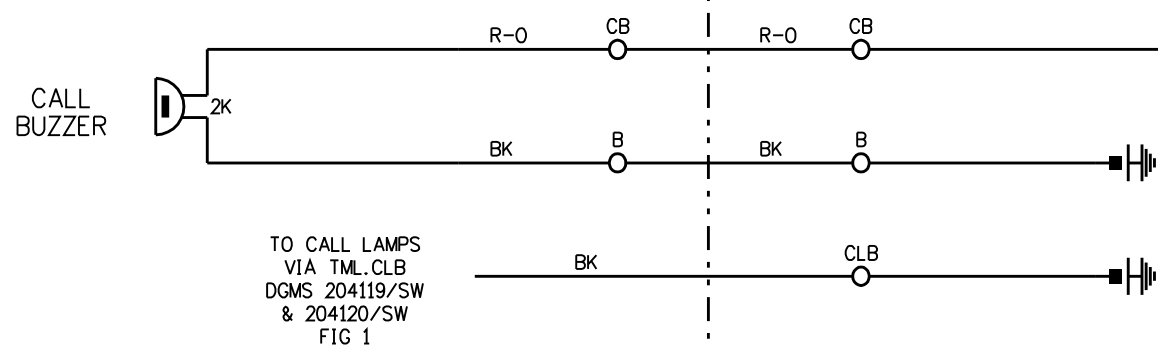
FIG - 1B : OPERATORS CIRCUIT (RACK)



ETH R FUSE PANEL EARTH BAR - TR2 - C4a - C5a  
BATT. BK FUSE PANEL - TRe

TO RELAY CONTACTS PH3 & PH6  
DGM 204123/SW FIG 4

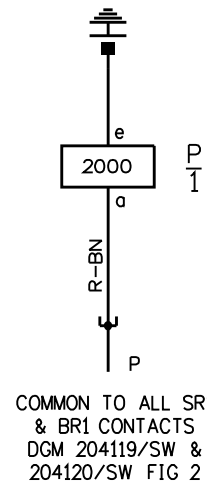
FIG 2A - AUDIBLE CALL CIRCUIT



TO CALL LAMPS  
VIA TML CLB  
DGMS 204119/SW  
& 204120/SW  
FIG 1

FIG 2B - PILOT CIRCUIT

BATT. BK FUSE PANEL - Pe - TERM B  
BATT. BK FUSE PANEL - TERM CLB

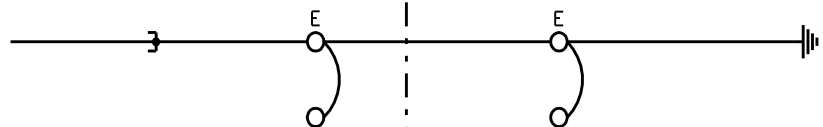


COMMON TO ALL SR1  
& BR1 CONTACTS  
DGM 204119/SW &  
204120/SW FIG 2

FIG 3A

FIG 3B

COMMON TO SIG & BOX  
TELE SPECK & RING  
KEYS & ALARM KEY  
DGMS 204119/SW,  
204120/SW FIG 1  
& 204123/SW FIG 2.



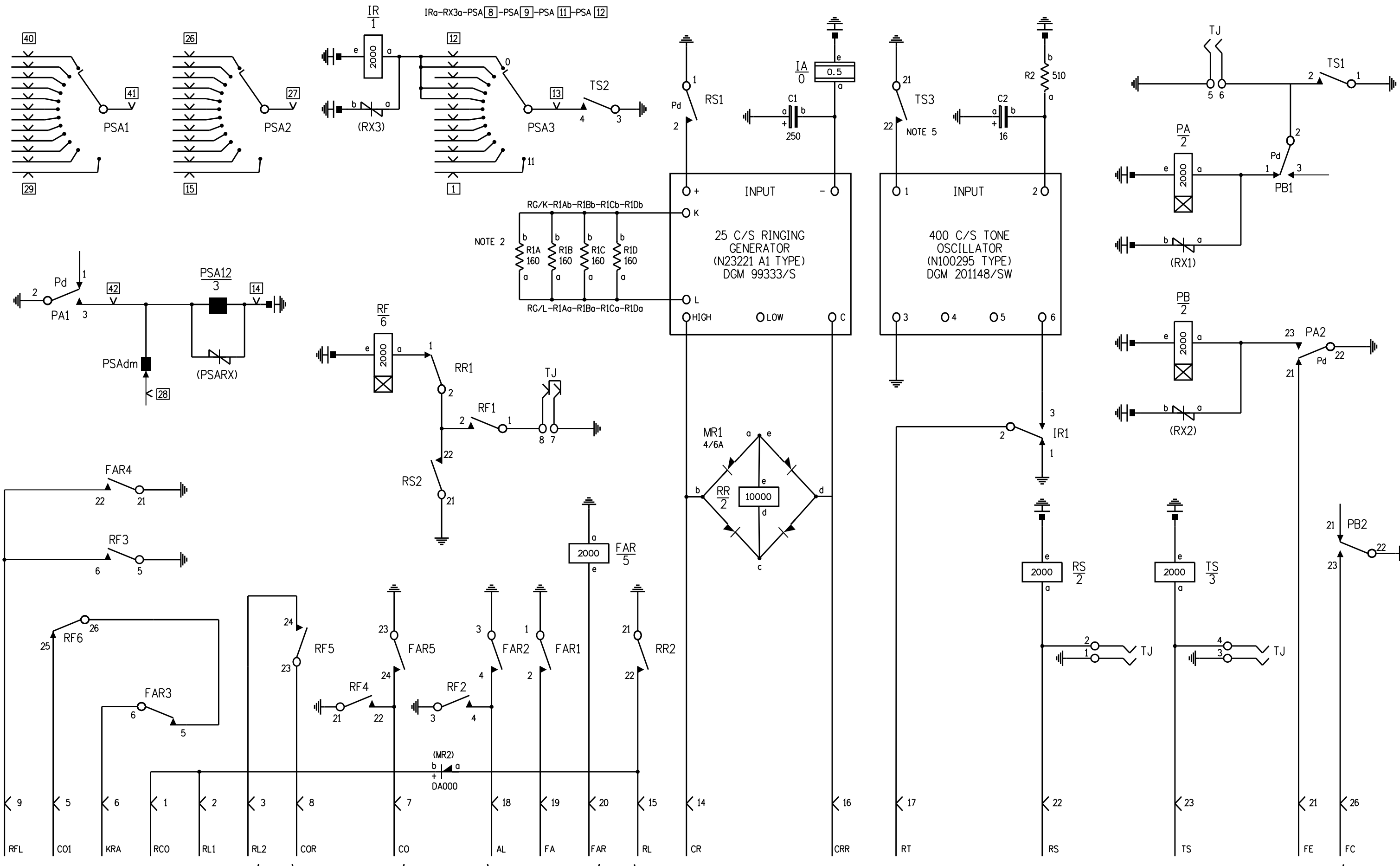
ETH. R FUSE PANEL EARTH BAR TERM E

NOTES

- FUSING:-  
FIG 1B 1 FUSE RC 1.0A TR RELAY  
FIG 2A & 2B 1 FUSE RC 1.0A  
CALL BUZZER & PILOT RELAY  
FIG 2B 1 FUSE RC 3.0A  
CALL LAMPS

OPERATOR & PILOT CIRCUIT  
(SIGNAL BOX TELEPHONE SETS)

DIAGRAM : 204121/SW



TO RACK INDICATION & ALARM LAMPS (NOTE 3) DGM 204123/SW FIG 2 OR EQUIVALENT

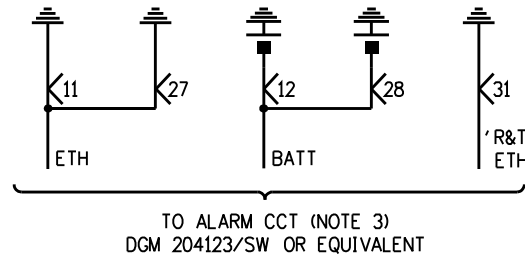
TO RING & TONE CHANGEOVER CIRCUIT (NOTE 3) DGM 204123/SW FIG 3 OR EQUIVALENT

TO ALARM CCT (NOTE 3) DGM 204123/SW OR EQUIVALENT

TO RING & TONE CHANGEOVER CIRCUIT (NOTE 3) DGM 204239/SW FIG 3 OR EQUIVALENT

BATT BK. 22 SWG FUSE - U12-U28  
 ETH R. 22 SWG ETH BAR - U11-U27  
 ETH R 22 SWG ETH BAR U31  
 BATT W. U12-IAe-IRe-RX3b-RFe-PAe-RX1b-PSA 14 -PBe-RX2b-TSe-RSe  
 BATT W. U28-R2b

ETH R. U27-TS21-C2a  
 ETH R. U31-RS1-TG3  
 ETH R. U11-IR1-RR21-RF21-RF3-RF5-PA22-PA2-  
 FAR21-FAR23-FARa-FAR5-FAR3-PB22-TS1-  
 TS3-RS21-C1a-TJ1-TJ3-TJ5-TJ7



TO ALARM CCT (NOTE 3) DGM 204123/SW OR EQUIVALENT

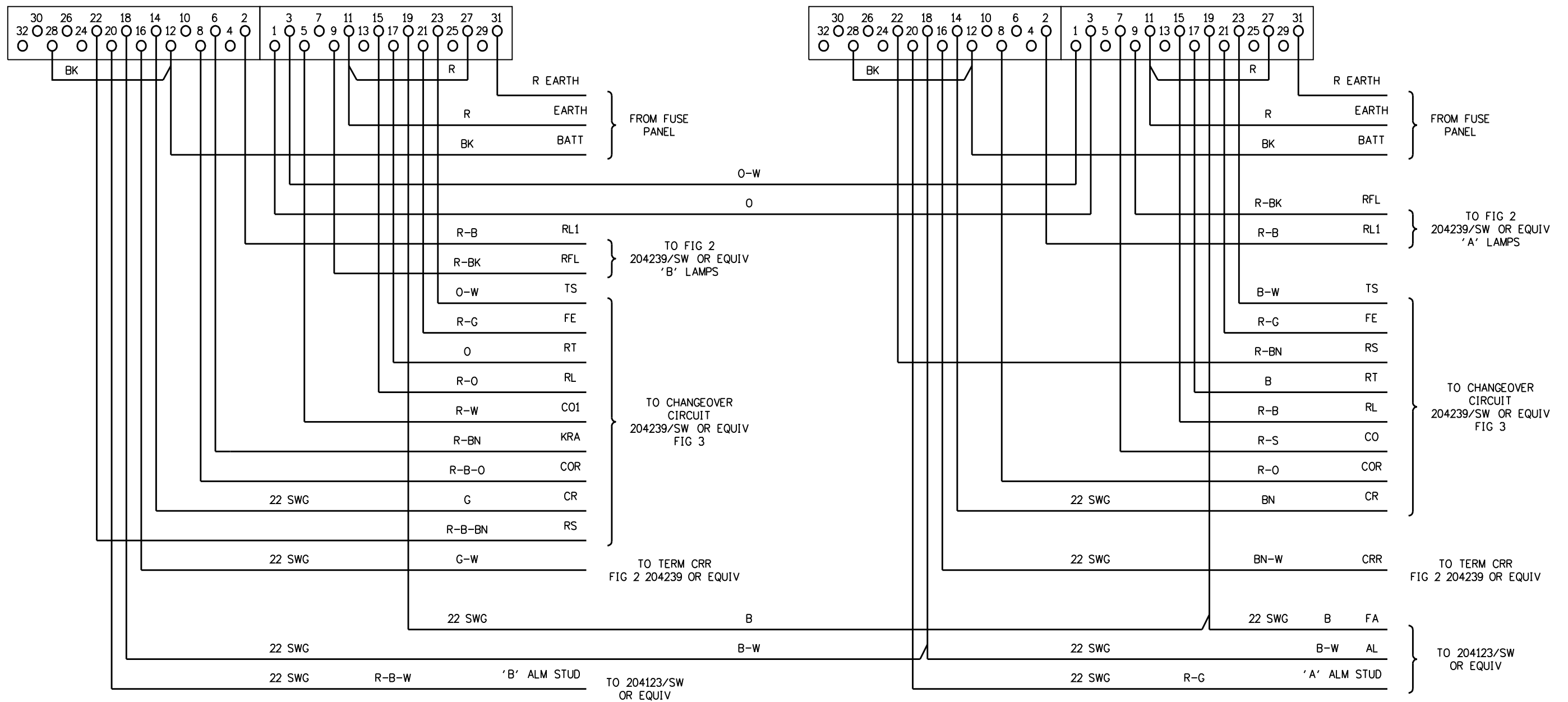
NOTES : 1. FOR FUSING SEE DGM 204239/SW OR EQUIV  
 2. RESISTANCES R1A - R1D ARE 10W EACH  
 3. FOR SHELF JACK WIRING SEE DGM 204122/U  
 4. ALL WIRING TO BE 25 SWG UNLESS OTHERWISE SPECIFIED  
 5. IF RING TONE IS NOT REQUIRED TO BE PROVIDED ISOLATE RELAY CONTACT TS3.  
 FOR DISCONNECTION OF RING TONE ON INDIVIDUAL TELEPHONE CIRCUITS SEE DGMS 204119/SW & 204120/SW

RING & TONE RELAY SET  
 SIGNAL BOX TELEPHONE SYSTEM

DIAGRAM : 204122/SW

AS SEEN FROM REAR

AS SEEN FROM REAR



RING & TONE SET 'B'

RING & TONE SET 'A'

NOTES :

1. ALL WIRING TO BE 25 SWG UNLESS OTHERWISE SPECIFIED
2. JACK POINTS U9 & U11 MAKE CONTACT WHEN RELAY SETS ARE REMOVED

SIGNAL BOX TELEPHONE SET  
RING & TONE CIRCUIT

DIAGRAM : 204122/U

FIG 1 - TELEPHONE SET - RINGING INDICATOR

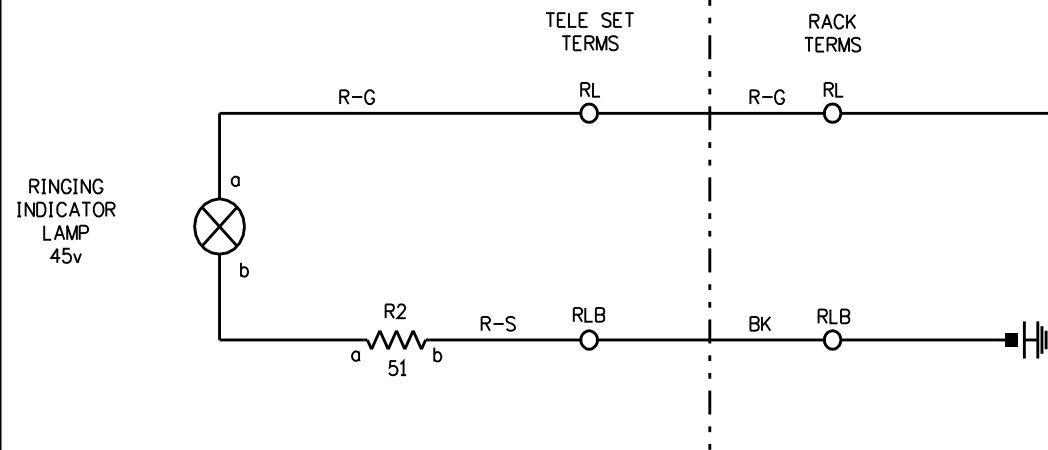


FIG 3 - APPARATUS RACK ALARM CIRCUIT

ETH. R FUSE PANEL - FUSE MTG (RING 'A') - FUSE MTG (RING 'B') -  
 FA1-FA21-FA2TRML MF2-U31 (RING 'A')-U1 (RING 'B')  
 BATT.BK FUSE PANEL - FUSE MTG (RING 'A') - FUSE MTG (RING 'B') -  
 ACOe-R3b-R4b-TERML ABB-TERML ALB-TERML RLB

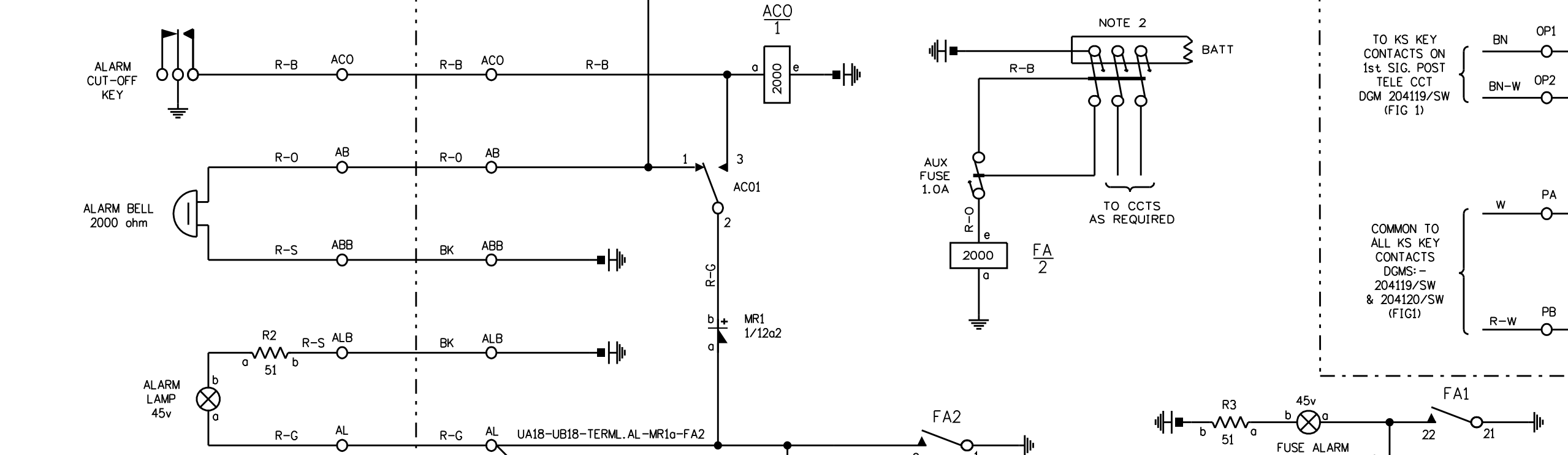


FIG 4 - PROHIBITION CIRCUIT

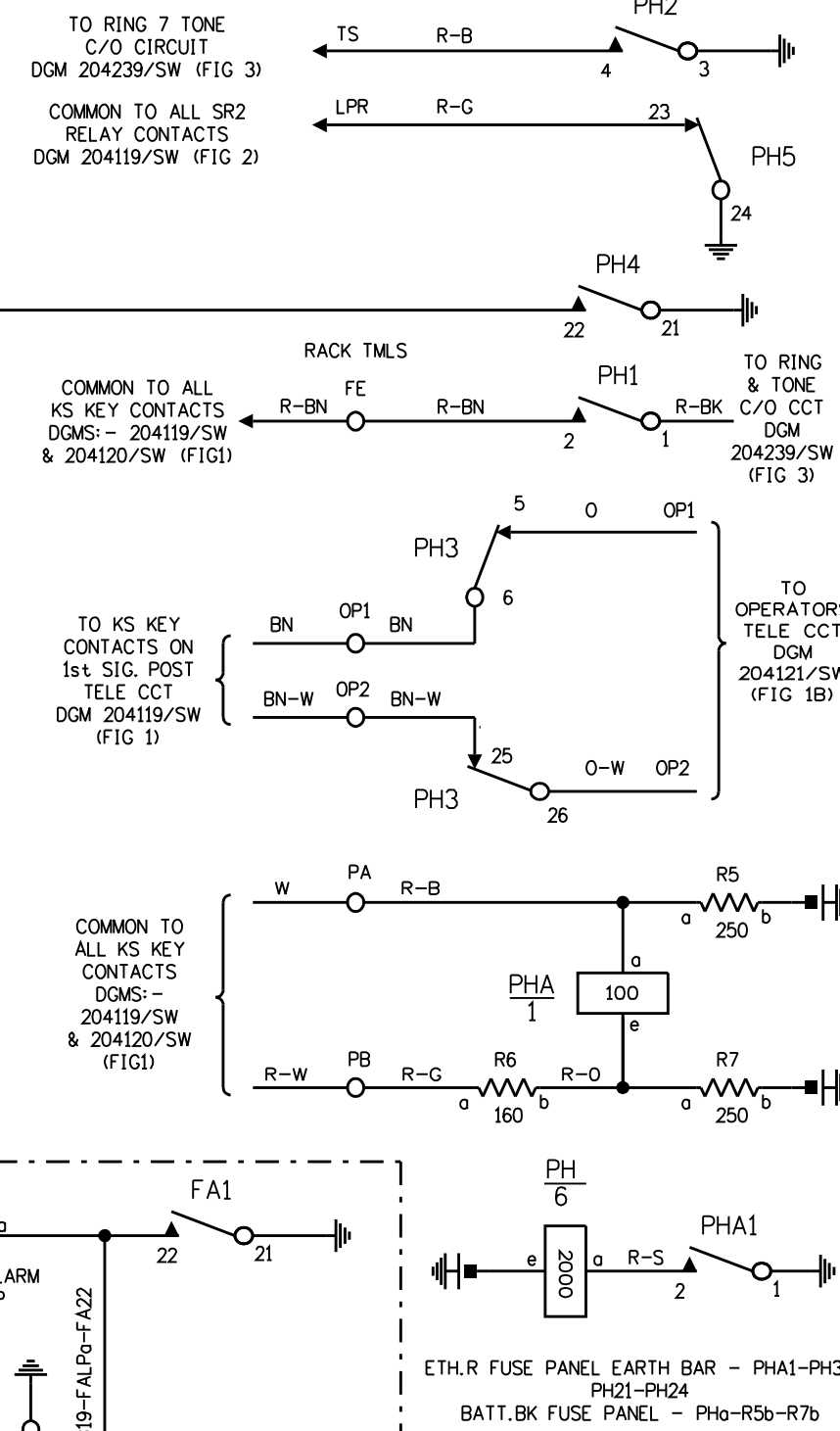


FIG 2 ALARMS

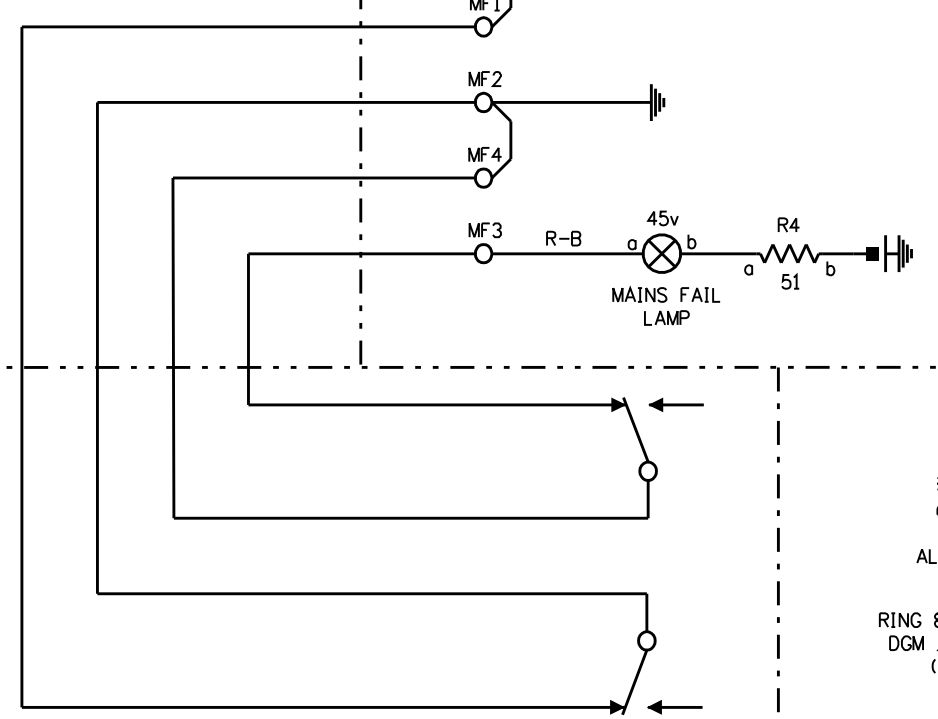
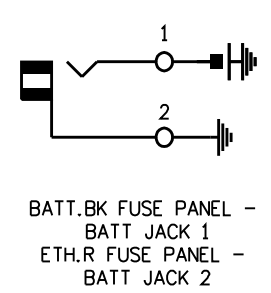
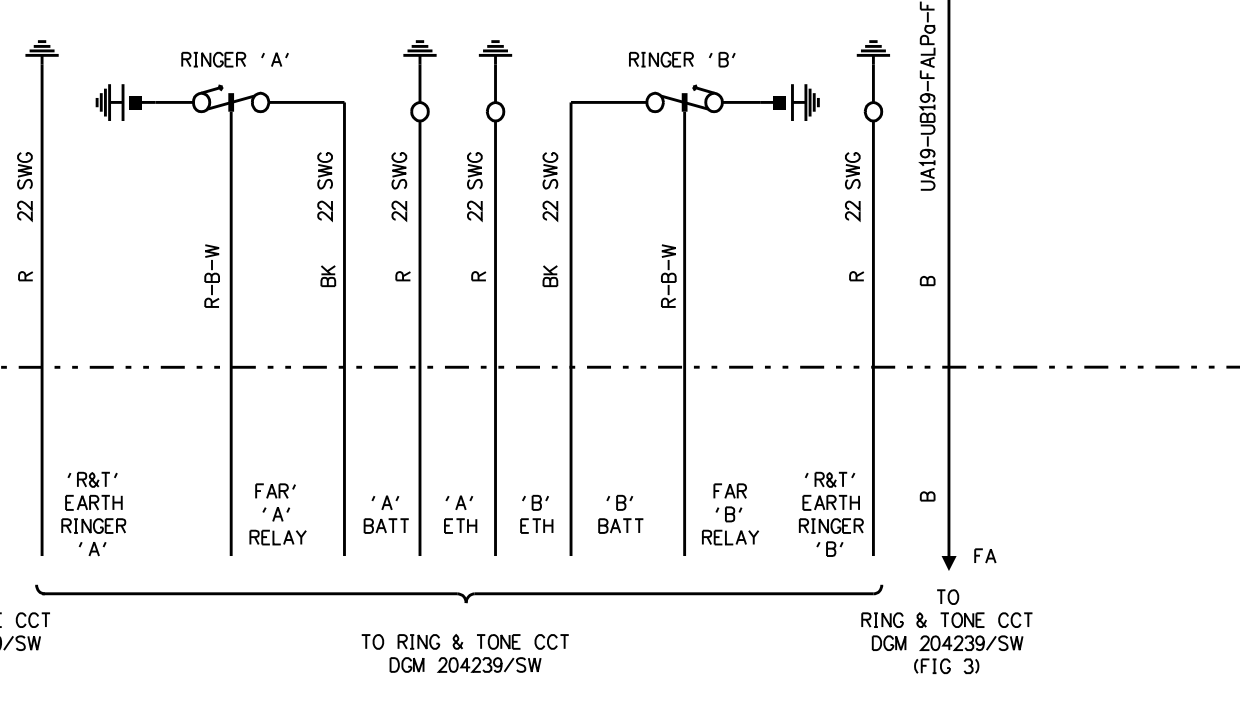


FIG 5 - BATTERY JACK



BATTERY CHARGER (MAINS FAIL) EXPLANATORY ONLY



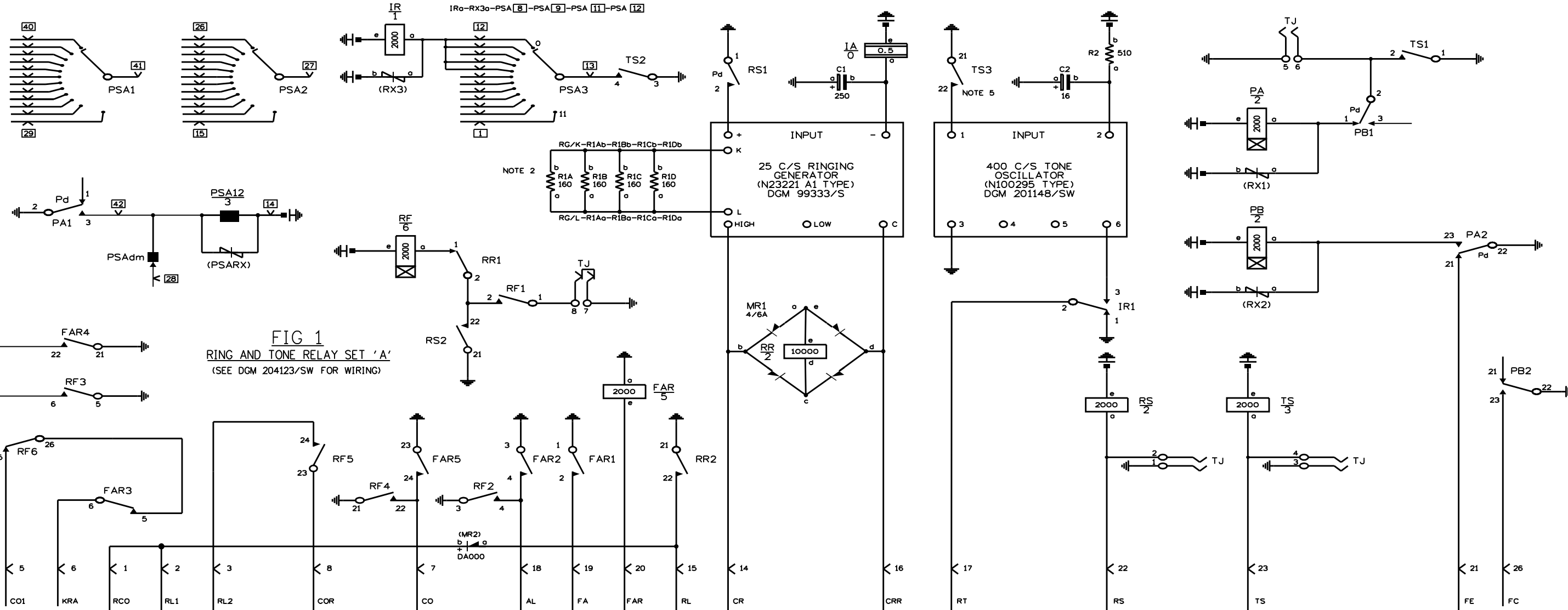
- NOTES
- FUSING FIG 3 :-
  - 1 RC 1.0A ALARM BELL & ACO RELAY
  - 1 RC 1.0A ALARM LAMP(TELE SET)
  - 1 RC 1.0A FUSE ALARM FAIL
  - 1 RC 1.0A F A LAMP (RACK) & MF LAMP (RACK)
  - 1 RC 1.0A RINGING INDICATION LAMP
  - 1 RC 1.5A RINGER 'A'
  - 1 RC 1.5A RINGER 'B'
  - FUSING FIG 4 :-
  - 1 RC 1.0A PH & PHA RELAYS
  - FUSING FIG 5 :-
  - 1 RC 3.0A PER CIRCUIT

EARTH BAR MUST BE INSULATED FROM RACK FRAME

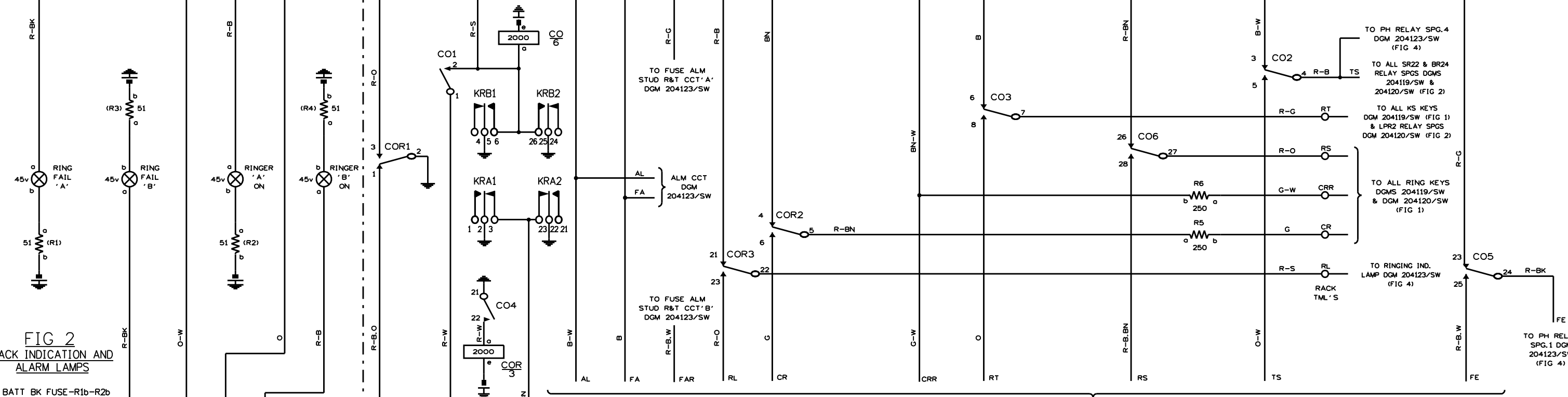
PROHIBITION & ALARM CIRCUITS (SIGNAL BOX TELEPHONE SET)

DIAGRAM : 204123/SW



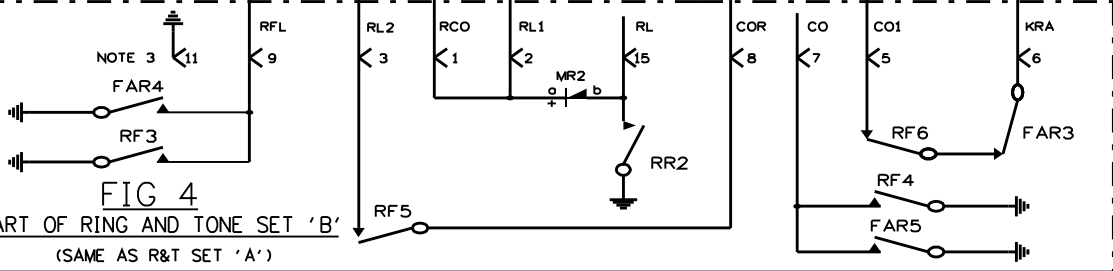


**FIG 1**  
RING AND TONE RELAY SET 'A'  
(SEE DGM 204123/SW FOR WIRING)

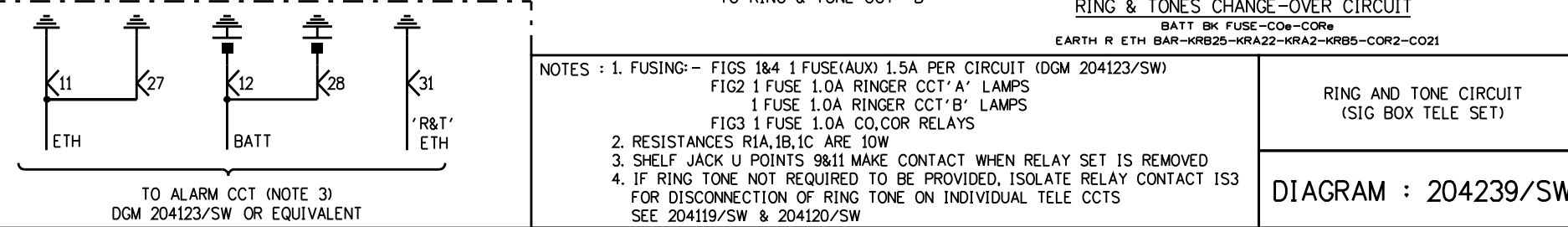


**FIG 2**  
RACK INDICATION AND  
ALARM LAMPS

BATT BK FUSE-R1b-R2b  
BATT BK FUSE-R3b-R4b



**FIG 4**  
PART OF RING AND TONE SET 'B'  
(SAME AS R&T SET 'A')



**FIG 3**  
RING & TONES CHANGE-OVER CIRCUIT

BATT BK FUSE-COe-CORe  
EARTH R ETH BAR-KRB25-KRA22-KRA2-KRB5-COR2-CO21

- NOTES :**
- FUSING:- FIGS 1&4 1 FUSE(AUX) 1.5A PER CIRCUIT (DGM 204123/SW)  
FIG2 1 FUSE 1.0A RINGER CCT 'A' LAMPS  
1 FUSE 1.0A RINGER CCT 'B' LAMPS  
FIG3 1 FUSE 1.0A CO,COR RELAYS
  - RESISTANCES R1A,1B,1C ARE 10W
  - SHELF JACK U POINTS 9&11 MAKE CONTACT WHEN RELAY SET IS REMOVED
  - IF RING TONE NOT REQUIRED TO BE PROVIDED, ISOLATE RELAY CONTACT IS3 FOR DISCONNECTION OF RING TONE ON INDIVIDUAL TELE CCTS SEE 204119/SW & 204120/SW

RING AND TONE CIRCUIT  
(SIG BOX TELE SET)

DIAGRAM : 204239/SW