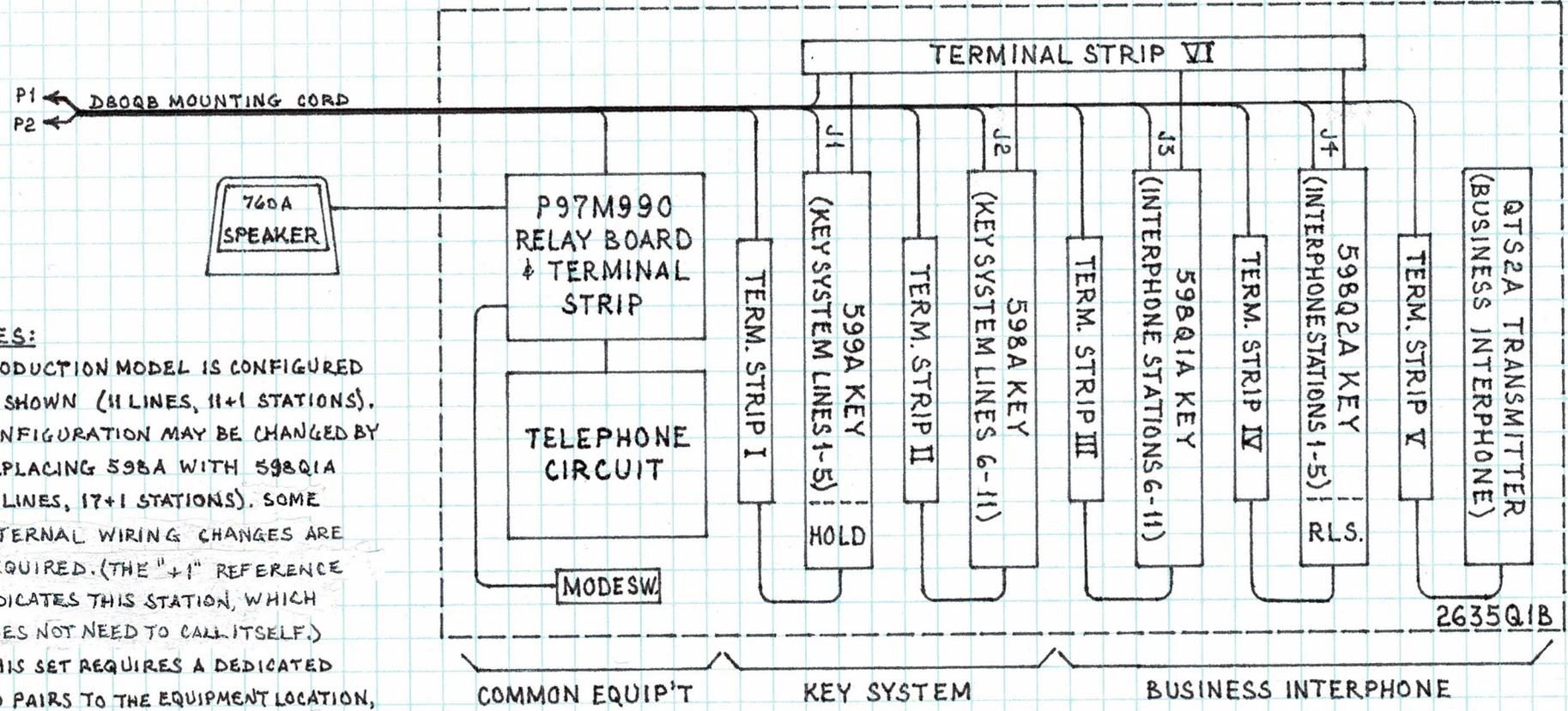


29 JAN 18



NOTES:

1. PRODUCTION MODEL IS CONFIGURED AS SHOWN (11 LINES, 11+1 STATIONS). CONFIGURATION MAY BE CHANGED BY REPLACING 598A WITH 598Q1A (5 LINES, 17+1 STATIONS). SOME INTERNAL WIRING CHANGES ARE REQUIRED. (THE "+1" REFERENCE INDICATES THIS STATION, WHICH DOES NOT NEED TO CALL ITSELF.)
2. THIS SET REQUIRES A DEDICATED 40 PAIRS TO THE EQUIPMENT LOCATION, AND A DEDICATED 235AKTU OR 236AKTU STATION LINE CONCENTRATOR.

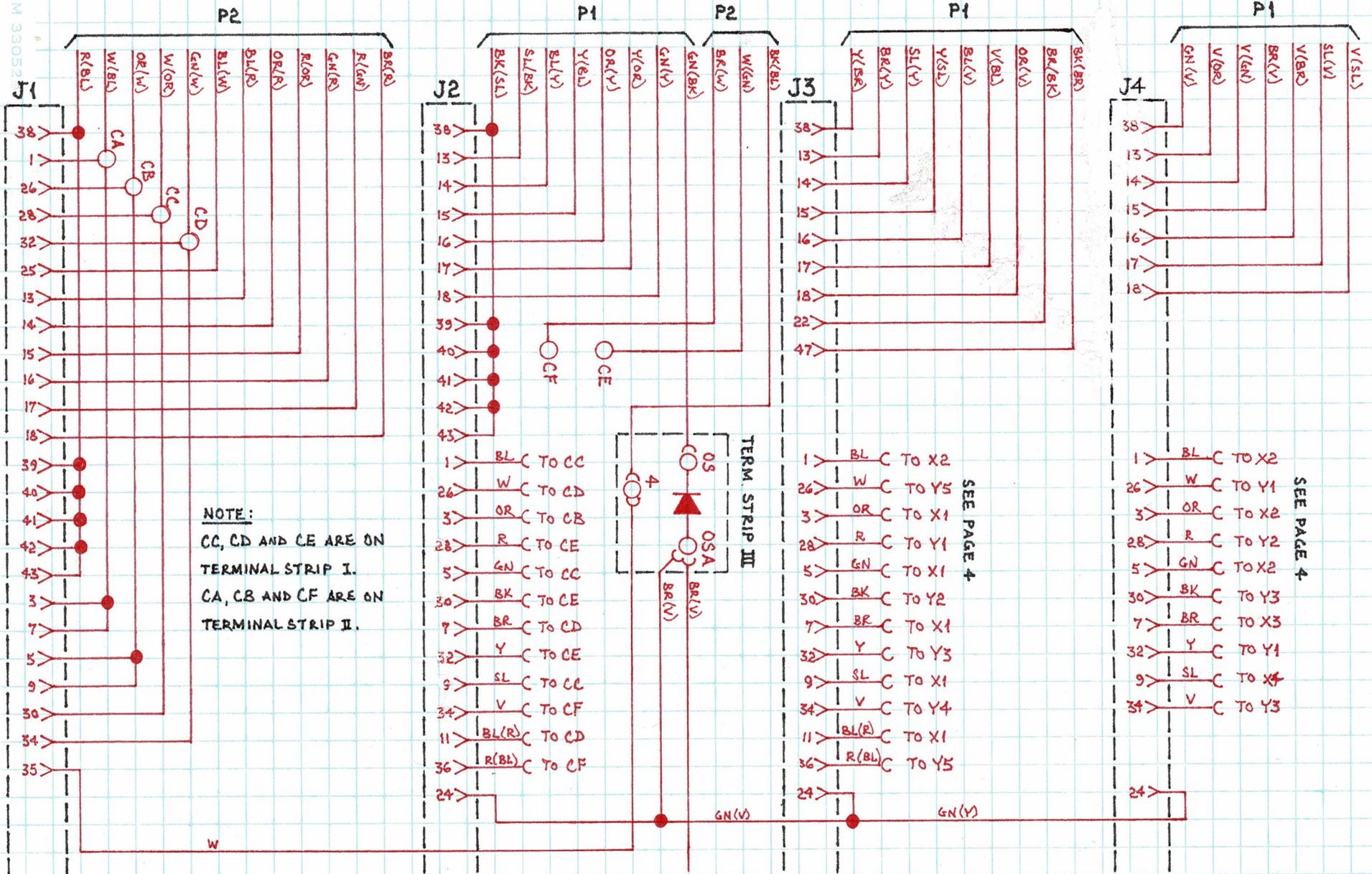
BLOCK DIAGRAM

CALL DIRECTOR TELEPHONE SET
SD1A/SD2A BUSINESS INTERPHONE

4 FEB 18

FORM 33052

WIRES FROM MOUNTING CORD D80QB



NOTE:
 CC, CD AND CE ARE ON
 TERMINAL STRIP I.
 CA, CB AND CF ARE ON
 TERMINAL STRIP II.

- 1 > BL C TO CC
- 26 > W C TO CD
- 3 > OR C TO CB
- 28 > R C TO CE
- 5 > GN C TO CC
- 30 > BK C TO CE
- 7 > BR C TO CD
- 32 > Y C TO CE
- 9 > SL C TO CC
- 34 > V C TO CF
- 11 > BL(R) C TO CD
- 36 > R(BL) C TO CF
- 24 >

- 1 > BL C TO X2
- 26 > W C TO Y5
- 3 > OR C TO X1
- 28 > R C TO Y1
- 5 > GN C TO X1
- 30 > BK C TO Y2
- 7 > BR C TO X1
- 32 > Y C TO Y3
- 9 > SL C TO X1
- 34 > V C TO Y4
- 11 > BL(R) C TO X1
- 36 > R(BL) C TO Y5
- 24 >

- 1 > BL C TO X2
- 26 > W C TO Y1
- 3 > OR C TO X2
- 28 > R C TO Y2
- 5 > GN C TO X2
- 30 > BK C TO Y3
- 7 > BR C TO X3
- 32 > Y C TO Y1
- 9 > SL C TO X4
- 34 > V C TO Y3
- 24 >

SEE PAGE 4

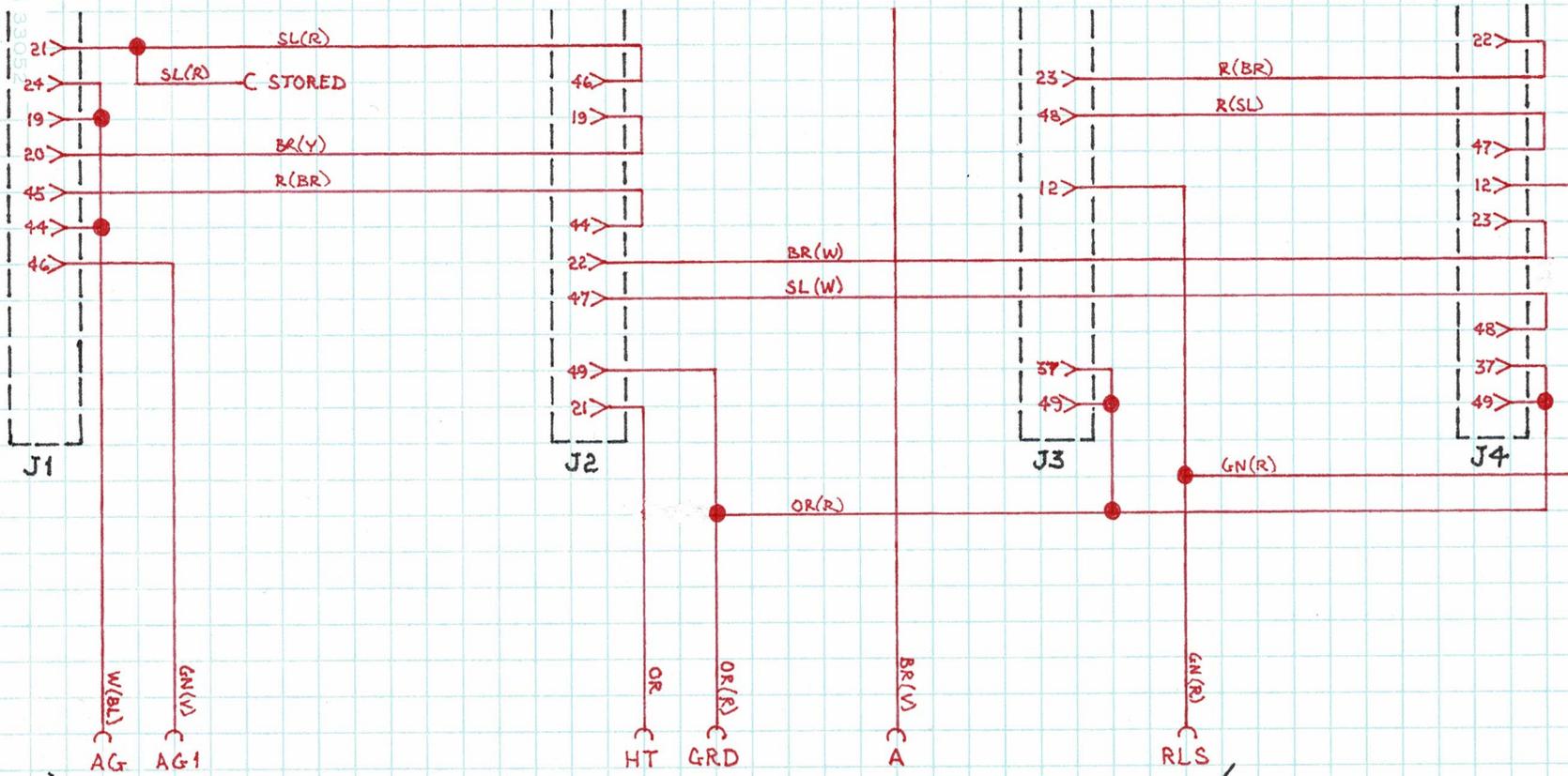
SEE PAGE 4

CONTINUED ON PAGE 3

CONTINUED ON PAGE 4

5 FEB 18

CONTINUED ON PAGE 2

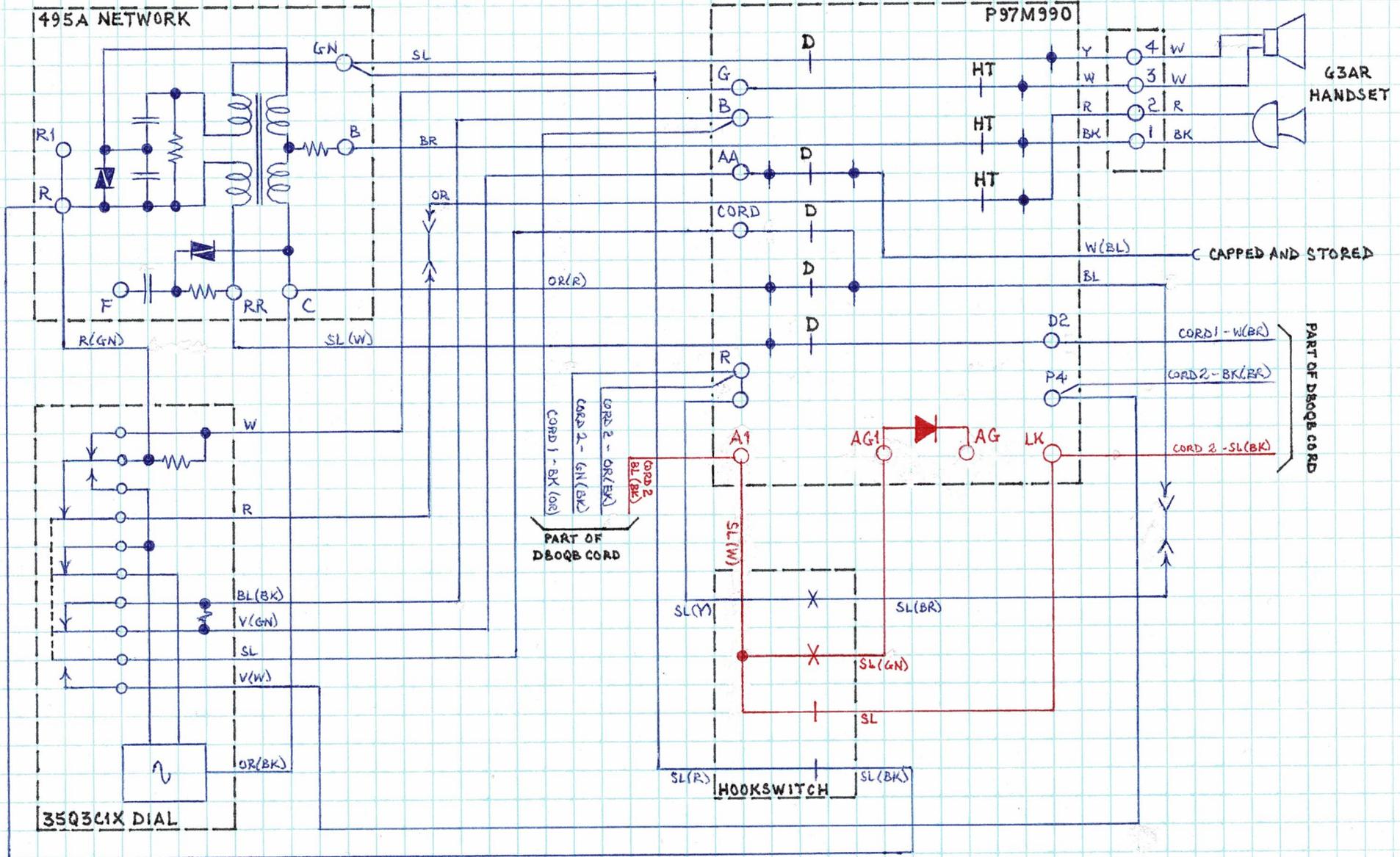


TERMINALS ON RELAY BOARD TERMINAL STRIP
(SEE PAGES 4 AND 6)

KEYSTRIP JACK WIRING

6 FEB 18

FORM 33052



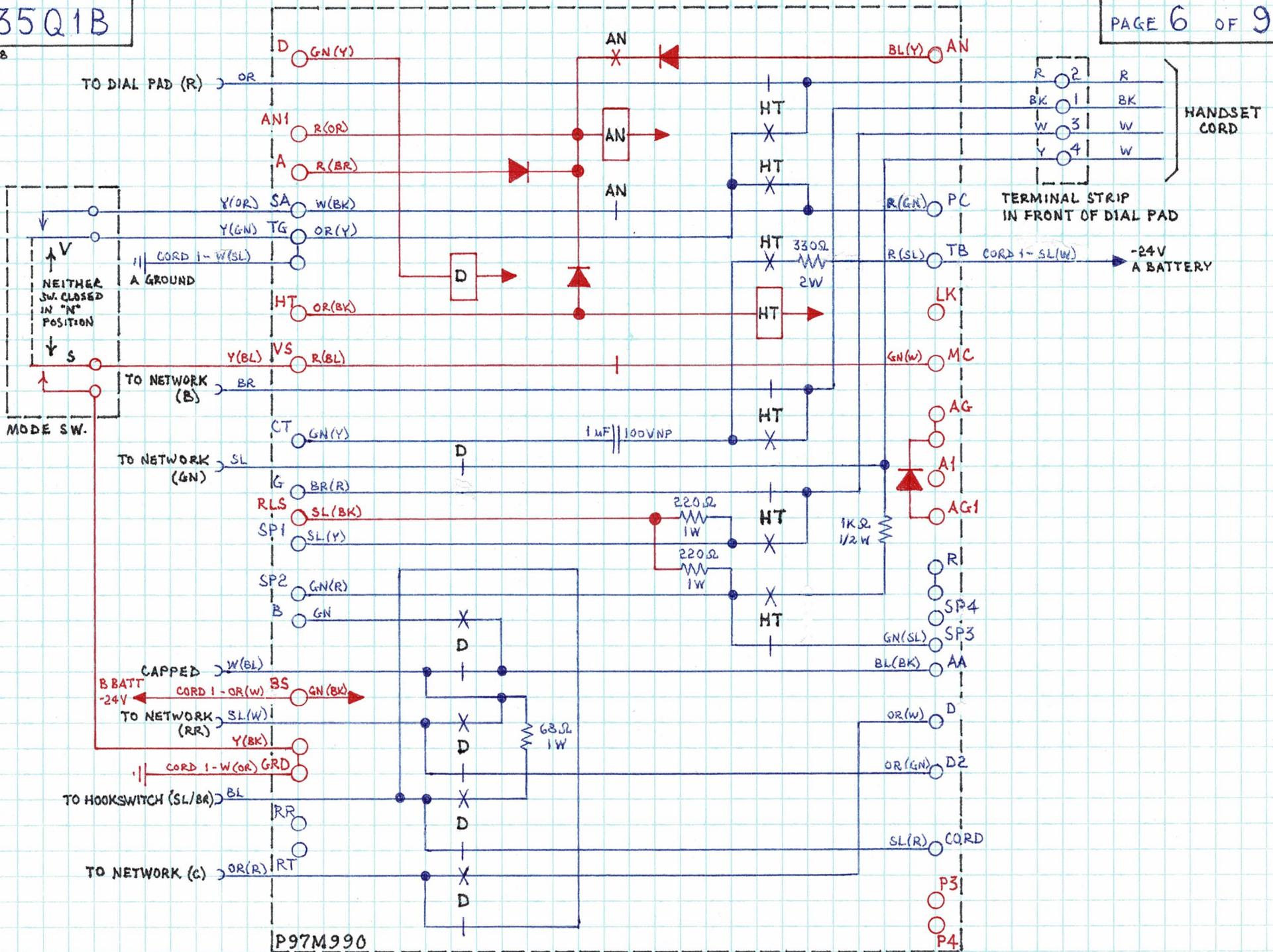
TELEPHONE CIRCUIT

CALL DIRECTOR TELEPHONE SET
SD1A/SD2A BUSINESS INTERPHONE

2635Q1B

21 JAN '18

FORM 33052

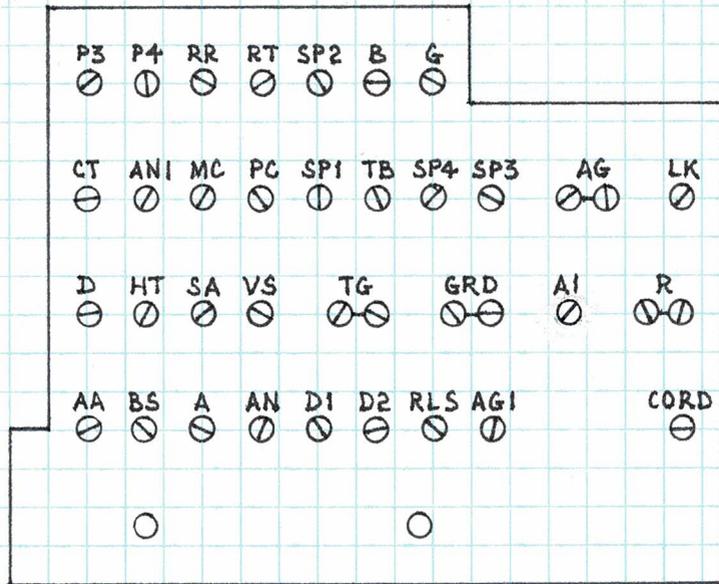


RELAY BOARD SCHEMATIC

CALL DIRECTOR TELEPHONE SET SD1A/SD2A BUSINESS INTERPHONE

20 JAN 18

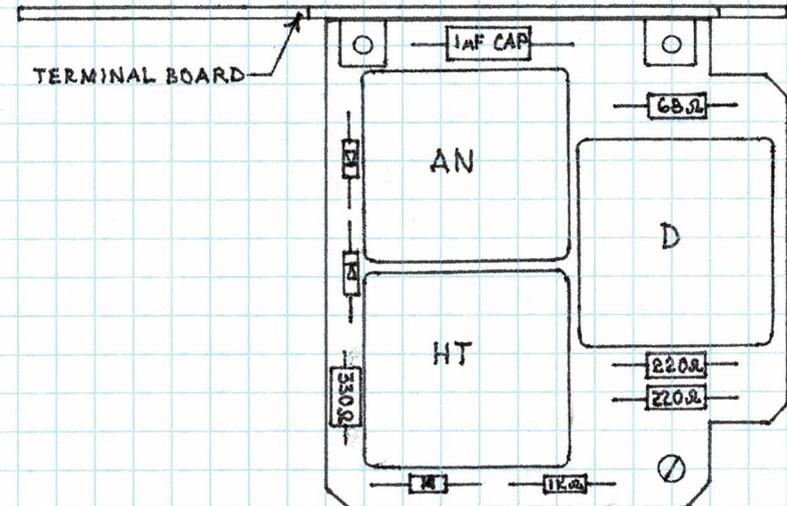
FORM 33052



P97M990 TERMINAL BOARD LAYOUT

QTY.	ITEM	DES.	PARTNO.	VALUE
1	RELAY	AN	MBQ3A	950 Ω
1	RELAY	D	MBQ19A	700 Ω
1	RELAY	HT	MBQ1A	700 Ω
1	CAP., ELEC	CT	-	1μF, 100V NP
2	RESISTOR	-	-	220 Ω 1W
1	RESISTOR	-	-	68 Ω 1W
1	RESISTOR	-	-	330 Ω 2W
1	RESISTOR	-	-	1K Ω ½ W
4	DIODE	-	1N4384	-

P97M990 COMPONENT LIST



P97M990 CIRCUIT BOARD LAYOUT

CALL DIRECTOR TELEPHONE SET
SD1A/SD2A BUSINESS INTERPHONE

2635Q1B

9 FEB 18

FORM 33052

P1	COLOUR	DEST.	DES.
1	BL(W)	R BTS	SP1
26	W/BL	"	SP2
2	OR(W)	"	BS
27	W/OR	"	GRD
3	GN(W)	"	AN
28	W(GN)	"	D
4	BR(W)	"	D1
29	W(BR)	"	D2
5	SL(W)	"	TB
30	W(SL)	"	TG
6	BL(R)	R BTS	RR
31	R(BL)	"	RT
7	OR(R)	VI	X1
32	R/OR	"	X2
8	GN(R)	"	X3
33	R(GN)	"	X4
9	BR(R)	"	Y1
34	R(BR)	"	Y2
10	SL(R)	"	Y3
35	R(SL)	"	Y4
11	BL(BK)	VI	Y5
36	BK(BL)	V	1
12	OR(BK)	"	M1
37	BK(OR)	"	M2
13	GN(BK)	III	OS
38	BK(GN)	INS*	SP
14	BR(BK)	J3-22	XCOM
39	BK(BR)	J3-47	YCOM
15	SL(BK)	J2-13	L1
40	BK(SL)	J2-38+	L4
16	BL(V)	J2-14	L2
41	Y(BL)	J2-15	L3
17	OR(V)	J2-16	L4
42	Y/OR	J2-17	L5
18	GN(V)	J2-18	L6
43	Y(GN)	INS*	SP
19	BR(V)	J3-13	L1
44	Y(BR)	J3-38	L4
20	SL(V)	J3-14	L2
45	Y(SL)	J3-15	L3
21	BL(V)	J3-16	L4
46	V(BL)	J3-17	L5
22	OR(V)	J3-18	L6
47	V/OR	J4-13	L1
23	GN(V)	J4-38	L6
48	V(GN)	J4-14	L2
24	BR(V)	J4-15	L3
49	V(BR)	J4-16	L4
25	SL(V)	J4-17	L5
50	V(SL)	J4-18	LR

P2	COLOUR	DEST.	DES.
1	BL(W)	J1-25	A
26	W/BL	I	CA
2	OR(W)	II	CB
27	W/OR	I	CC
3	GN(W)	"	CD
28	W(GN)	"	CE
4	BR(W)	"	CF
29	W(BR)	IV	4
5	SL(W)	"	6
30	W(SL)	"	5
6	BL(R)	J1-13	L1
31	R(BL)	J1-38+	L4
7	OR(R)	J1-14	L2
32	R/OR	J1-15	L3
8	GN(R)	J1-16	L4
33	R(GN)	J1-17	L5
9	BR(R)	J1-18	L4
34	R(BR)	IV	1
10	SL(R)	"	3
35	R(SL)	"	2
11	BL(BK)	R BTS	A1
36	BK(BL)	III	4
12	OR(BK)	R BTS	R
37	BK(OR)	"	B
13	GN(BK)	"	R
38	BK(GN)	"	AA
14	BR(BK)	"	P3
39	BK(BR)	"	P4
15	SL(BK)	"	LK
40	BK(SL)	"	AG

NOTES:

1. INS* DENOTES SPARE LEAD WHICH IS CAPED AND STORED.
2. R BTS STANDS FOR "RELAY BOARD TERMINAL STRIP".
3. THE REFERENCE TO 38+ FOR J1 AND J2 INDICATES LAMP GROUND STRAPPING 38-39-40-41-42-43 ON EACH JACK.

MOUNTING CORD
CONNECTION TABLE

9 FEB 18

FORM 33052

LINE	CA	CB	CC	CD	CE	CF
1	X	X				
2	X		X			
3		X	X			
4	X			X		
5		X		X		
6			X	X		
7		X			X	
8			X		X	
9				X	X	
10			X			X
11				X		X

"X" INDICATES
GROUND ON ASSO-
CIATED LEAD.

CONCENTRATOR ENCODING

STA.	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
1		●			●				
2		●				●			
3		●					●		
4			●		●				
5				●			●		
6		●							●
7	●				●				
8	●					●			
9	●						●		
10	●							●	
11	●								●
12									
13									
14									
15									
16									
17									

● DENOTES X? TO X COM, Y? TO Y COM.

INTERPHONE MATRIX

CALL DIRECTOR TELEPHONE SET
SD1A/SD2A BUSINESS INTERPHONE