

SHEET INDEX

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EQUIPMENT NOTES:

- 201. DESIRED OPTION SHALL BE COMPLETED BY TIGHTENING SCREW SUFFICIENTLY TO INSURE CONTACT BETWEEN TERMINALS AND THE UNDERSIDE OF SCREWHEAD. CAUTION IN TIGHTENING SCREW IS RECOMMENDED TO AVOID SHEARING OF SCREW. TO OPEN A CIRCUIT, SCREW SHALL BE LOOSENED APPROXIMATELY FOUR COMPLETE TURNS. UNIT IS NORMALLY FURNISHED WITH OPTION SCREWS UP.
- 202. DESIGNATIONS SHOWN IN BRACKETS [] SHALL APPEAR ON EQUIPMENT.
- 203. ALL CONTACTS SHOWN THUS $\rightarrow 50 \rightarrow$ ARE PART OF PRINTED WIRING BOARD FINGER CONTACTS.
- 204. S1 IS SUPPLIED BY C & K COMPONENTS, INC., WATERTOWN, MASS.
- 205. SEE SHEET 2.

INFORMATION NOTES:

- 301. UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS;
ALL VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS) ARE IN VOLTS.
- 302. OFFICE WIRING LIST RECORDS NEED NOT BE MAINTAINED FOR SCREW TYPE OPTIONS.

DWG NO.	ISSUE OR CD	DATE	ISSUED	BY	APPD
1	1	11-22-71		JTP	JBS
2A	2A	3-15-72		JTP	JBS

CIRCUIT NOTES:

- 101. OFFICE BATTERY LIMITS.

BAT	CONDITION	VOLTAGE RANGE
-48	NORMAL	-45 TO -50
+4	EMERGENCY	-42.5 TO -53
		+3.6 TO +4.2

- 102.

	FEATURE OR OPTION			PROVIDE	
	OFFICE	SUPV	TRUNK	FIG.	APP OR WRG
INTER OFFICE TRUNKS	NO. 1 ESS			1	
	NO. 5 XB			1,2	
	PANEL	E & M	2-WAY OR 1-WAY OUTGOING	1,2,3	EG
		ALL OTHERS	ALL OTHERS		
	NO. 1 XB XB TANDEM	E & M	2-WAY OR 1-WAY OUTGOING	1,2,3	EG
	ALL OTHERS	ALL OTHERS			
S X S	E & M	2-WAY OR 1-WAY OUTGOING	1,2,3,4	EG	
SPECIAL OFFICE TRUNKS	SERVING OFFICE END			1	
	SUBSCRIBER END			1	
	IN ADDITION TO FIG. 1 FOR TRUNK CIRCUITS REQUIRING REVERSE BATTERY TO BE MADE BUSY.			5	
	IN ADDITION TO FIG. 1 TO REGISTER THE NUMBER OF TPU OPERATIONS			6	

- 103. FOR CONNECTING INFORMATION SEE APPLICATION SCHEMATIC FOR THE D3 BANK (SD-3C104-01).

RELAY

DESIG	MC
CODE	AJ81
OPTION	
	CONT ARR LOC
12	EBM 2A3
11	EBM 2B3
10	EBM
9	EBM 2D6
8	EBM 2A3
7	EPM 2G1
6	EPM 2H3
5	EBM 2D8
4	EBM 2B7
3	EBM 2B3
2	EBM 2C3
1	EBM 2D3
COIL	2C3

DESIG	BR		EG		TB		TR	
	CODE							
OPTION	AJ200							
	CONT ARR	LOC						
24	M		M	2CB	M	2AB	B	2G1
23	M		M	2CB	M	2AB	B	2G1
22	M		M	2CB	M	2AB	B	2G1
21	M		M	2CB	M	2AB	B	2G1
20	M		M	2CB	M	2AB	B	2G1
19	M		M	2CB	M	2AB	B	2G1
18	M		M	2CB	M	2AB	B	2G1
17	M		M	2CB	M	2AB	B	2G1
16	M		M	2CB	M	2AB	B	2G1
15	M		M	2CB	M	2AB	B	2G1
14	M		M	2CB	M	2AB	B	2G1
13	M		M	2CB	M	2AB	B	2G1
12	M	2F3	M	2CB	M	2AB	B	2G1
11	M	2F3	M	2CB	M	2AB	B	2G1
10	M	2F3	M	2CB	M	2AB	B	2G1
9	M	2G3	M	2CB	M	2AB	B	2G1
8	M		M	2CB	M	2AB	B	2G1
7	M		M	2CB	M	2AB	B	2G1
6	M		M	2CB	M	2AB	B	2G1
5	M		M	2CB	M	2AB	B	2G1
4	M	2G3	M	2CB	M	2AB	B	2G1
3	M	2G3	M	2CB	M	2AB	B	2G1
2	M	2G3	M	2CB	M	2AB	B	2G1
1	M	2G3	M	2CB	M	2AB	B	2G1
COIL		2H3		2D8		2BR		2G1

SUPPORTING INFORMATION

CATEGORY	NO.		
EQPT DWG	J98718AD	SD-3C11-01	1N22
		COMMON SYSTEMS 24 CHANNEL PCM BANK TYPE D3 TRUNK PROCESSING UNIT CIRCUIT	
		AT&CO STANDARD	
		(TPU) ②	
		SD-3C11-01-1 3 SHEETS	
		BELL TELEPHONE LABORATORIES INCORPORATED	
		65	

EQUIPMENT NOTES (CONTINUED):

205.

CHANNEL	P111 CONTACT	ASSOC TERM	TR RELAY MAKE CONT	TR RELAY FIX. CONT
1	1	A1	1	1
2	2	A2	2	2
3	3	A3	3	3
4	4	A4	4	4
5	5	A5	5	5
6	6	A6	6	6
7	7	A7	7	7
8	8	A8	8	8
9	9	A9	9	9
10	10	A10	10	10
11	11	A11	11	11
12	12	A12	12	12
13	13	A13	13	13
14	14	A14	14	14
15	15	A15	15	15
16	16	A16	16	16
17	17	A17	17	17
18	18	A18	18	18
19	20	A19	19	19
20	21	A20	20	20
21	22	A21	21	21
22	23	A22	22	22
23	24	A23	23	23
24	25	A24	24	24

208.

CHANNEL	P111 CONTACT	ASSOC TERM	TR RELAY FIX. CONT
1	26	B1	1
2	27	B2	2
3	28	B3	3
4	29	B4	4
5	30	B5	5
6	31	B6	6
7	32	B7	7
8	33	B8	8
9	34	B9	9
10	35	B10	10
11	36	B11	11
12	37	B12	12
13	38	B13	13
14	39	B14	14
15	40	B15	15
16	41	B16	16
17	42	B17	17
18	43	B18	18
19	45	B19	19
20	46	B20	20
21	47	B21	21
22	48	B22	22
23	49	B23	23
24	50	B24	24

206.

CHANNEL	P112 CONTACT	ASSOC TERM	EG OPT BLK POS	EG RELAY MAKE CONT
1	1	C1	1	1
2	2	C2	2	2
3	3	C3	3	3
4	4	C4	4	4
5	5	C5	5	5
6	6	C6	6	6
7	7	C7	7	7
8	8	C8	8	8
9	9	C9	9	9
10	10	C10	10	10
11	11	C11	11	11
12	12	C12	12	12
13	13	C13	13	13
14	14	C14	14	14
15	15	C15	15	15
16	16	C16	16	16
17	17	C17	17	17
18	18	C18	18	18
19	20	C19	19	19
20	21	C20	20	20
21	22	C21	21	21
22	23	C22	22	22
23	24	C23	23	23
24	25	C24	24	24

207.

CHANNEL	P110 CONTACT	ASSOC TERM	TR RELAY BREAK CONT
1	1	D1	1
2	27	D2	2
3	28	D3	3
4	29	D4	4
5	30	D5	5
6	31	D6	6
7	32	D7	7
8	33	D8	8
9	34	D9	9
10	35	D10	10
11	36	D11	11
12	37	D12	12
13	38	D13	13
14	39	D14	14
15	40	D15	15
16	41	D16	16
17	42	D17	17
18	43	D18	18
19	44	D19	19
20	45	D20	20
21	46	D21	21
22	47	D22	22
23	48	D23	23
24	49	D24	24

SD-3C111-01-2

ISSUE
2A

24 CHANNEL PCM BAND TYPE D3 TRUNK PROCESSING UNIT CIRCUIT	SD-3C111-01-2
BELL TELEPHONE LABORATORIES INCORPORATED	6S

0 1 2 3 4 5 6 7 8 9

FIG. 1
MASTER CONTROL CKT

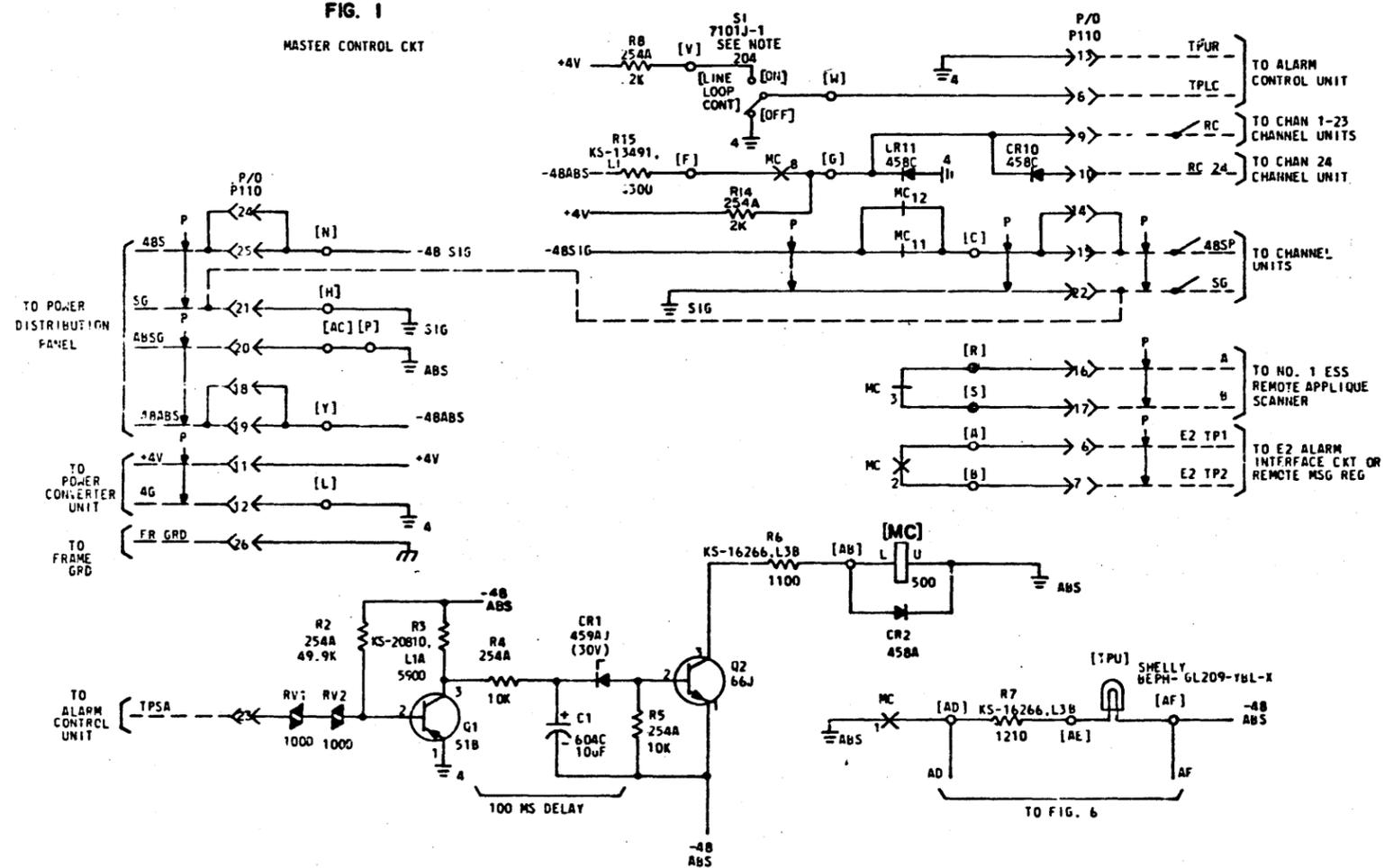


FIG. 2
TRUNK BUSY CKT
SEE NOTE 205 & 208

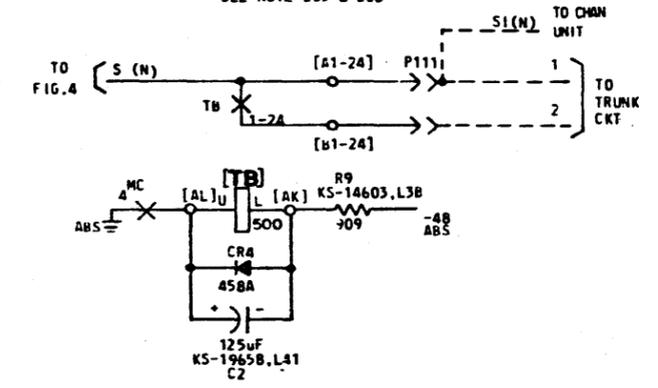


FIG. 3
E LEAD GROUNDING CKT
SEE NOTE 206

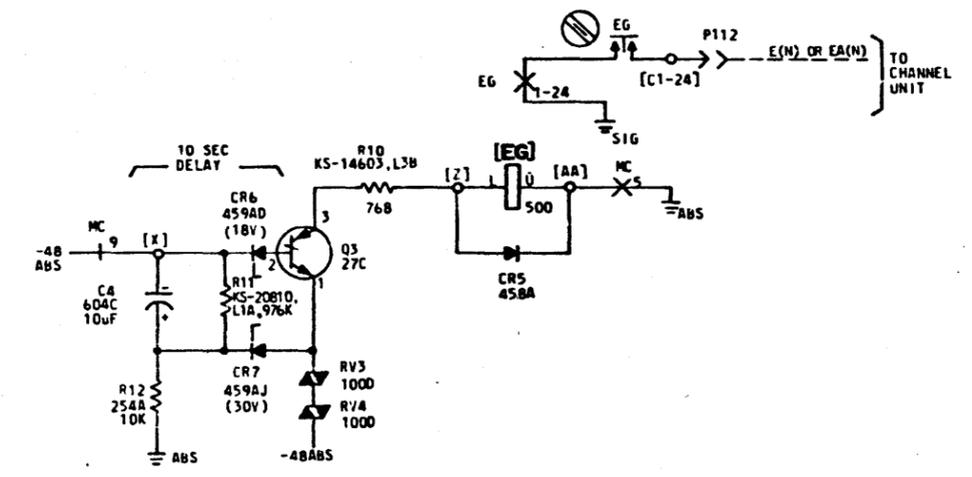


FIG. 4
TRUNK RELEASE CKT
SEE NOTE 207

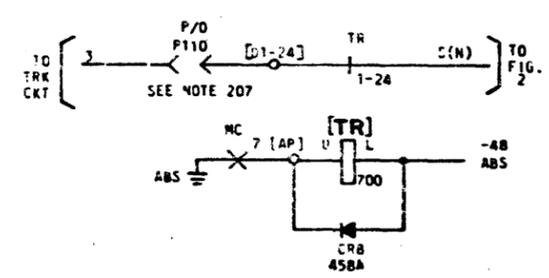


FIG. 5
BATTERY REVERSAL CKT

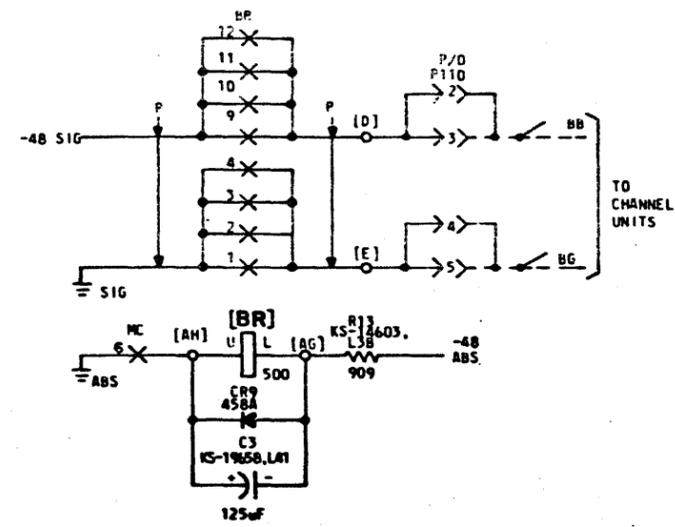
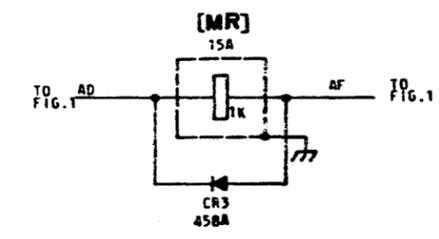


FIG. 6
MESSAGE REGISTER



SD-3C111-01-3

DRAWING ISSUE
2A

24 CHANNEL PCM BANK TYPE D3 TRUNK PROCESSING UNIT CIRCUIT	②	SD-3C111-01-3
BELL TELEPHONE LABORATORIES INCORPORATED	6S	