

SD-35004-01

SHEET INDEX

CONTENTS	SHEET NO.	ISSUE NO.																								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
SHEET INDEX SUPPORTING INFORMATION	A1	1	2	3	4	5	6																			
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LEAD INDEX OPTION INDEX	A3	1	2	3	4	5	6																			
FS 1 TRUNK CKT	B1	1	2	3	4	5	6																			
FS 2 ALARM TIMER CKT FS 3 WINK DETECTOR CKT	B2	1	2	3	3	3	3																			
FS 4 COIN REFUND AND RERING CONTROL CKT	B3	1	2	2	2	2	2																			
FS 5 TWO PARTY SELECTIVE OR FOUR PARTY SEMI-SELECTIVE, CODE RINGING (AC-DC AUD) OR FOUR PARTY SELECTIVE, EIGHT PARTY SEMI-SELECTIVE CODE RINGING (SUP AUD)	B4	1	1	1	1	1	1																			
FS 6 INTERRUPTER CKT																										
APP FIG. 1	C1	1	2	3	4	4	4																			
APP FIG. 2, 3 & 4	C2	1	2	2	2	2	2																			
APP FIG. 5	C3	1	2	3	4	4	4																			
APP FIG. 6	C4	1	1	1	1	1	1																			
CIRCUIT NOTES EQUIPMENT NOTES INFORMATION NOTES WORKING LIMITS	D1	1	2	3	4	5	6																			

CONTENTS	SHEET NO.	ISSUE NO.																								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
SC 1 CALL TO BUREAU SEIZURE	E1	1	1	1	1	1																				
SC 2 COIN REFUND (FOR CALLS ORIGINATING FROM COIN STATIONS)	E2	1	1	1	1	1																				
SC 3 BUREAU ANSWERS CALL, CALLING PARTY DISCONNECTS FIRST	E3	1	1	1	1	5	5																			
SC 4 CALL TO BUREAU (CALL ORIGINATED VIA A TANGENT OFFICE, TRUNK NOT ARRANGED FOR DIGIT ABSORPTION, OPTION K)	E4	1	1	1	1	5	5																			
SC 5 DISCONNECT (FORCED DISCONNECT ON CALLING PARTY)	E5	1	1	1	1	1	1																			
SC 6 WINK DETECTION FOR RERING (CALL ANSWERED BY BUREAU, TALKING PATH COMPLETED)	E6	1	1	1	1	5	5																			
SC 7 RERING (SXS OFFICES WITH AC-DC AUDIBLE RINGING MACHINES)	E7	1	1	1	1	5	5																			
SC 8 RERING (SXS OFFICES WITH SUP ± AUDIBLE RINGING MACHINES)	E8	1	1	1	1	5	5																			
SC 9 SUPERVISION ON ANSWERED CALL (CALLING STATION GOES ON-HOOK, CALL ORIGINATED FROM A COIN OR LOCAL STATION, OPTION J OR K)	E9	1	1	1	1	5	5																			
SC 10 ALARM (BUREAU SEIZES TRUNK, NO CALL TO BUREAU)	E10	1	1	1	1	5	5																			
CIRCUIT REQUIREMENTS TABLE	F1	1	1	1	4	4	4																			
TIMING REQUIREMENTS TABLE	F2	1	1	1	1	1	1																			
CAD 1, 2, 3, 4, 5 & 6	G1	1	2	3	3	5	6																			
CAD 7, 8 & 9	G2	1	2	3	3	3	3																			
CAD 10, 11, 12	G3	1	1	3	3	3	3																			

SHEET INDEX NOTES

1. WHEN CHANGES ARE MADE IN THIS DRAWING, ONLY THOSE SHEETS AFFECTED WILL BE REISSUED.
2. THIS SHEET INDEX WILL BE REISSUED AND BROUGHT UP TO DATE EACH TIME ANY SHEET OF THE DRAWING IS REISSUED, OR A NEW SHEET IS ADDED.
3. THE ISSUE NUMBER ASSIGNED TO A CHANGED OR NEW SHEET WILL BE THE SAME ISSUE NUMBER AS THAT OF THE SHEET INDEX.
4. SHEETS THAT ARE NOT CHANGED WILL RETAIN THEIR EXISTING ISSUE NUMBER.
5. THE LAST ISSUE NUMBER OF THE SHEET INDEX IS RECOGNIZED AS THE LATEST ISSUE NUMBER OF THE DRAWING AS A WHOLE.

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DRAWINGS	J330138D-1 J330138E-1
EQUIPMENT DESIGN REQ	814-520-150
KEYSHEET DRAWINGS	SXS NO. 1 SXS NO. 350A SXS NO. 355A SXS NO. 356A SXS NO. 360A SXS NO. 35E97
MAINTENANCE BSP	SD-31359-01 SD-31364-01 SD-31780-01 SD-32149-01 SD-31250-01 SD-32325-01

NOTICE—NOT FOR USE OR DISCLOSURE OUTSIDE THE BELL SYSTEM EXCEPT UNDER WRITTEN AGREEMENT.

ISSUE
6D

1099

AT&T
STANDARD

A&M ONLY FOR 350A, 355A, 356A, 360A & 35E97

STEP BY STEP SYSTEMS
NO. 1, 350A, 355A, 356A, 360A, 35E97
TRUNK CIRCUIT
FOR "911" EMERGENCY SERVICE

SD-35004-01-A1

27 SHEETS

(S. SRV) 2

BELL TELEPHONE LABORATORIES

65

RELAYS		
A	1C1	1
AI	3D5	5
AL1	2B1	4
AL2	2C1	4
B	1E3	1
C	1E3	1
CO	1D7	1
D	1C2	1
DI	2F6	5
F	1C5	1
INT	4B7	6

DESK	LOCATION		
	FS	APP F/G	EQPT
RELAYS			
L	IC8	I	
LK	3H2	5	
P	IG6	I	
R	3G5	5	
RC	ID4	I	
RCC	2F6	5	
RV	IG2	I	
RVI	3G3	5	
ST	3E7	} 5	
STP	3C8		
STPI	3H5		
T1	2C7	5	
T2	2C6	5	
TR	3C8	5	
W	IE6	2	
W	3F3	5	
WI	4C4	5	

DICES			
DI D2	2C, 2D6	5 5	CA4 CA4
RV	1G2	1	CA1
TR	308	5	CA4

RESISTANCE LAMPS		
CH	3E2	5
R RL	1A5 4D1	3
SUP + SUP -	4E1 4E1	5

SOCKET			
TH	—	4	

DESIG	LOCATION		
	FS	APP FIG.	EQPT
THERMAL TIME DELAY RELAYS			
TH	SEE APP FIG. 4		

FS 2 ALARM TIMER CKT

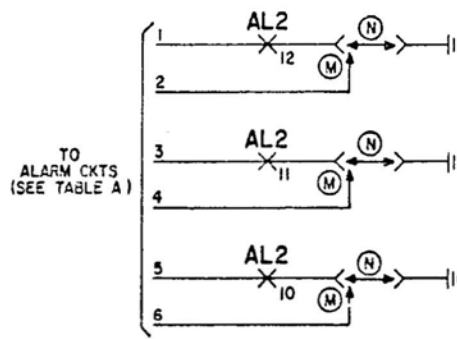
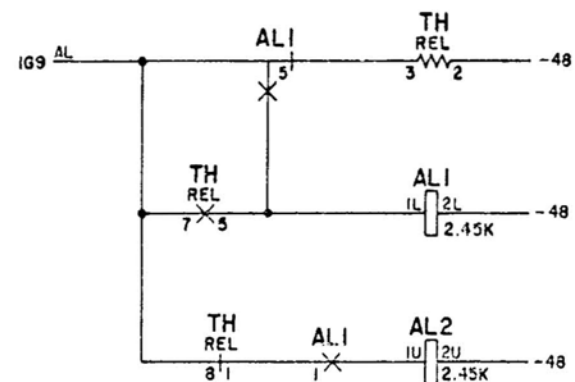
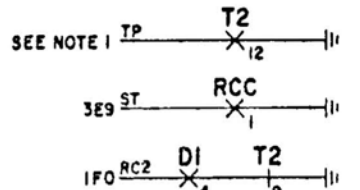
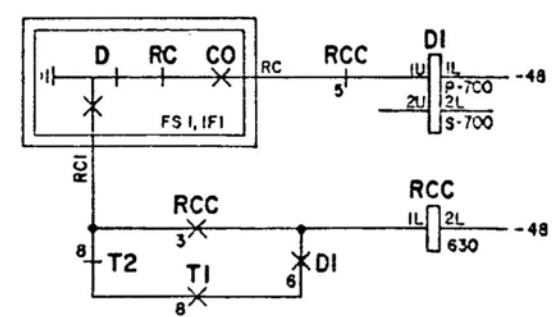
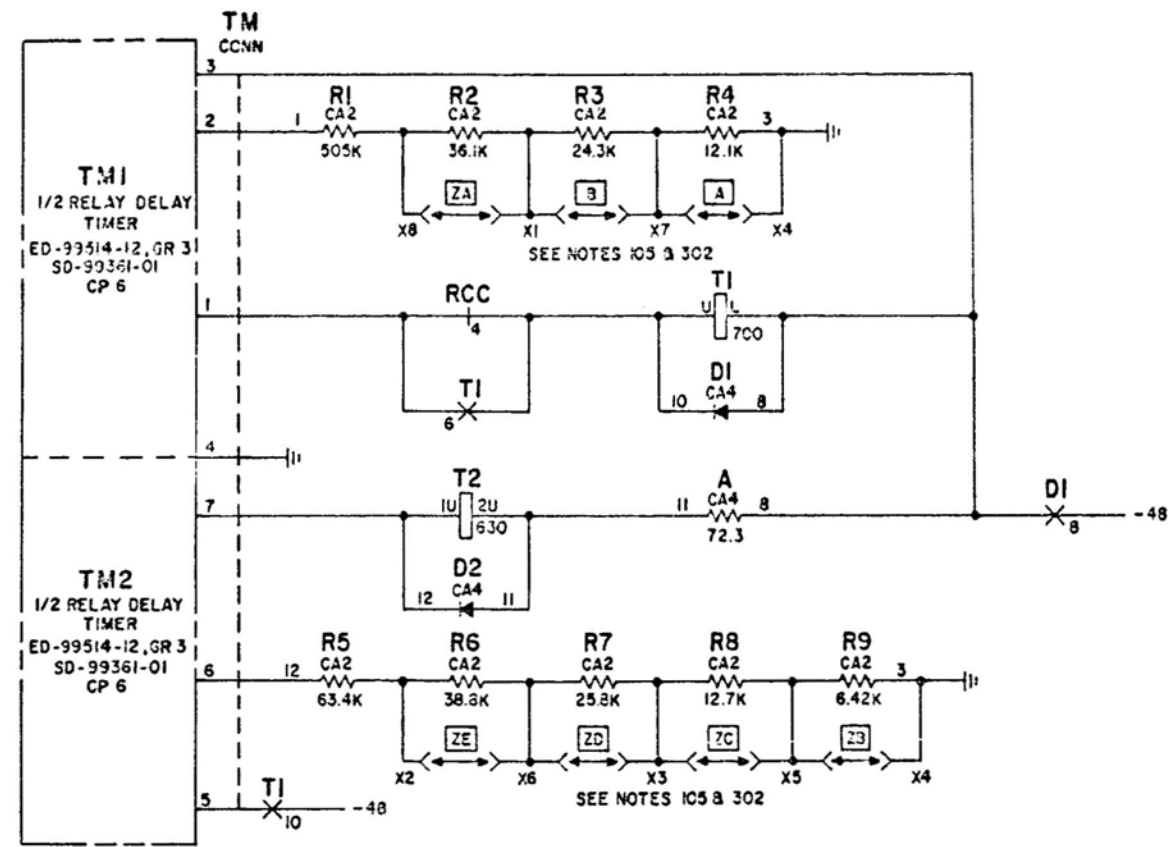


TABLE A

OPTION N			OPTION M						CONNECTING CIRCUIT
1	3	5	1	2	3	4	5	6	
MN	D		MN	MNG	D	DG			MISC ALARM CKT (P SIG TIMING)
F									ALARM CKT
F, MN	G		MN	MNG	GP	GPG			AUDIBLE & VISUAL ALARM CKT
MN		C	MN	MNG			C	CG	PILOT LAMP CKT
EST	MN		EST	ESTR	MN	MNR			MISC ALARM CKT
		MN					MN	MNG	PILOT LAMP AND POWER ALARM CKT
MN			MN	MNG					MISC ALARM CKT (ALARM CONTROL)
	PL								MISC ALARM CKT (AISLE PILOTS)

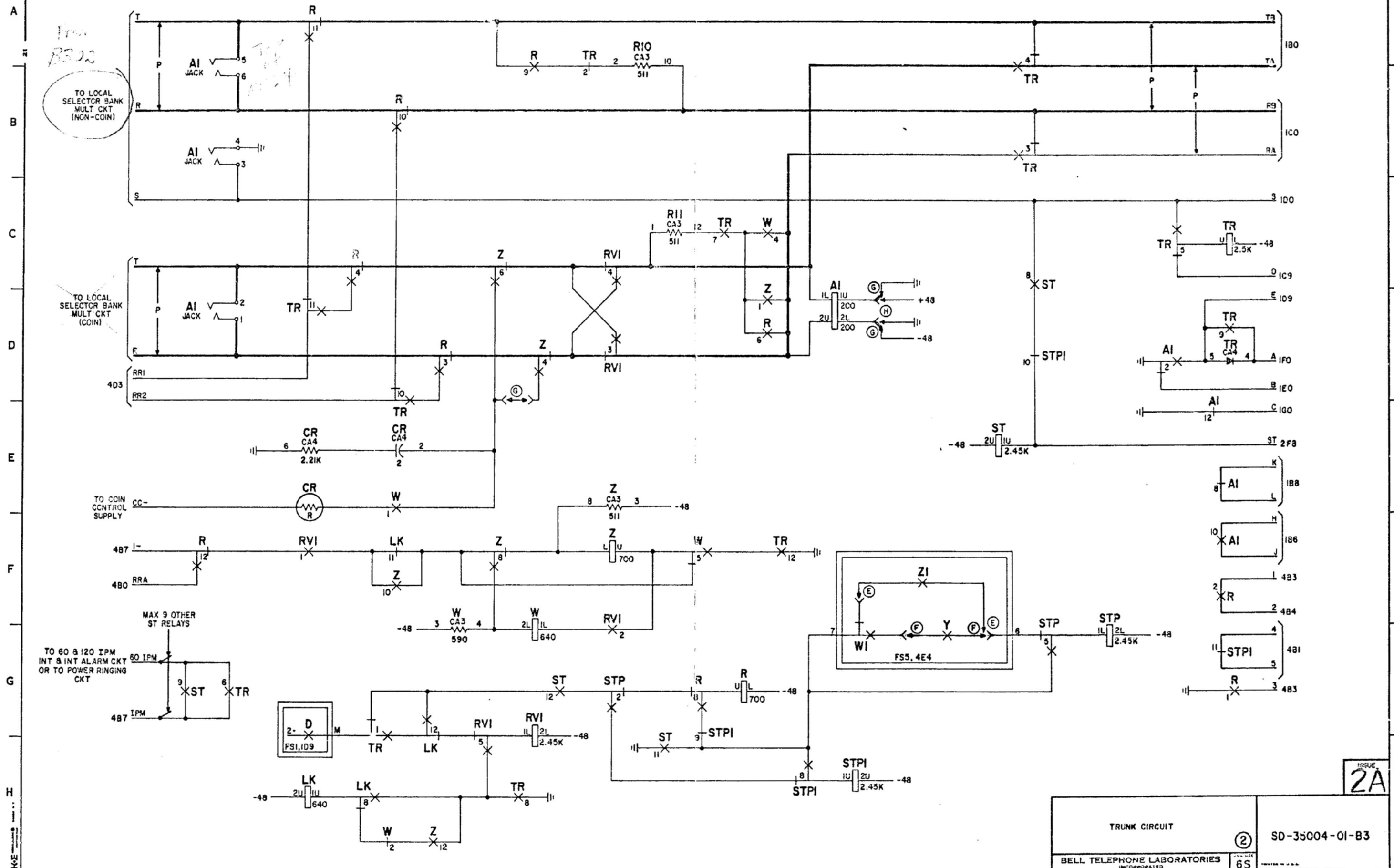
FS 3 WINK DETECTOR CKT



NOTES:
1. FOR TEST PURPOSES ONLY.

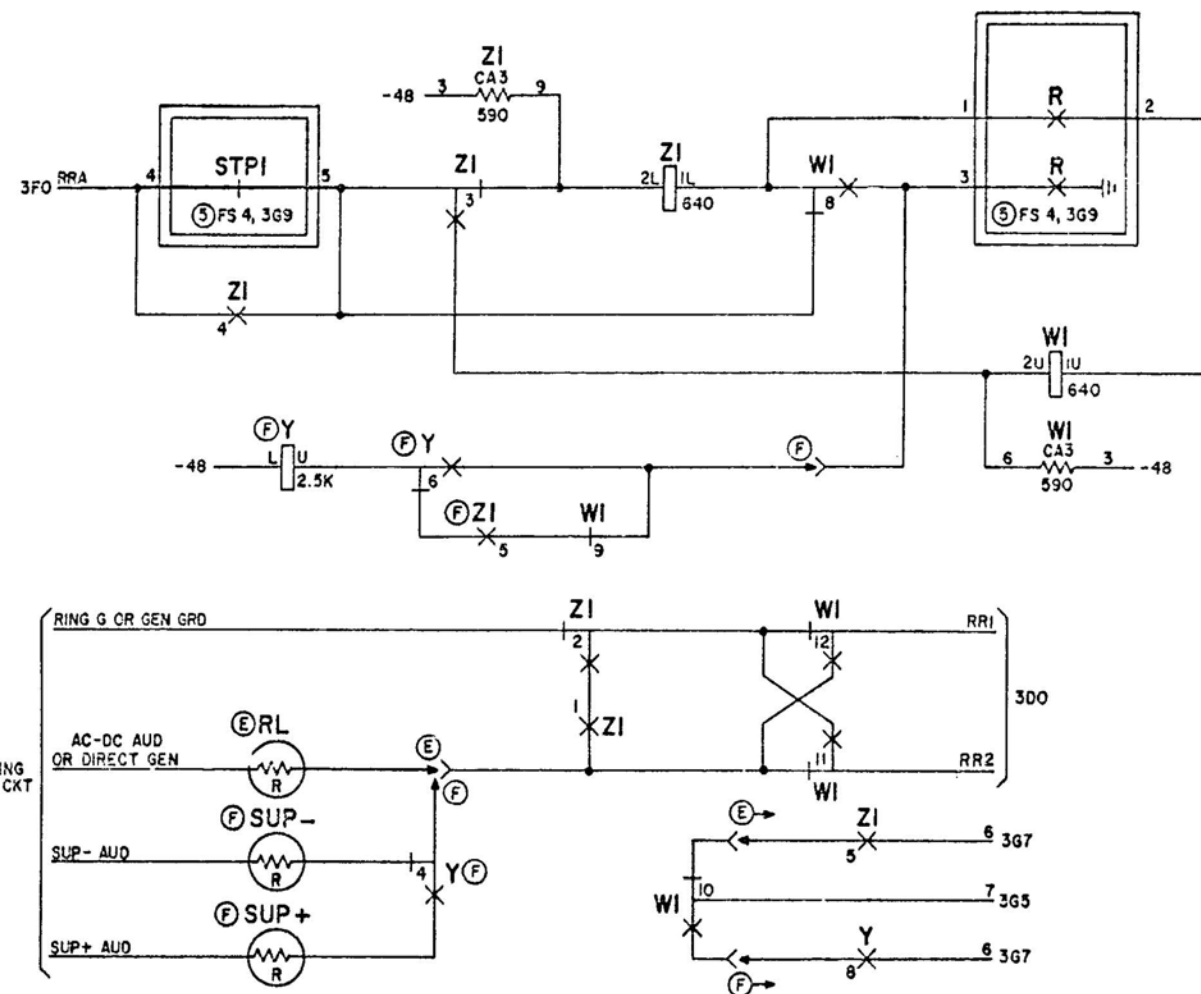
ISSUE
3B

FS 4
COIN REFUND AND RERING
CONTROL CKT



FS 5

2 PARTY SELECTIVE OR 4 PARTY
SEMI-SELECTIVE CODE RINGING (AC-DC AUD)
OR 4 PARTY SELECTIVE, 3 PARTY
SEMI-SELECTIVE CODE RINGING (SUP AUD)



FS 6

INTERRUPTER CKT

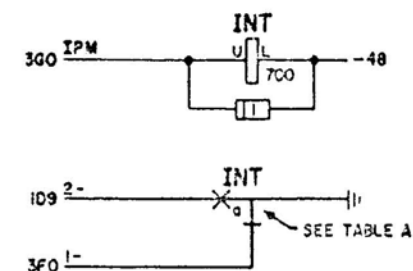


TABLE A

CONTACT NO.	LEAD NO.
12M	
12B	
11M	
11B	
10M	2-10
10B	1-10
9M	2-9
9B	1-9
8M	2-8
8B	1-8
7M	2-7
7B	1-7
6M	2-6
6B	1-6
5M	2-5
5B	1-5
4M	2-4
4B	1-4
3M	2-3
3B	1-3
2M	2-2
2B	1-2
1M	2-1
1B	1-1

TRUNK CIRCUIT

2

SD-35004-01-B4

BELL TELEPHONE LABORATORIES
INCORPORATED

6S

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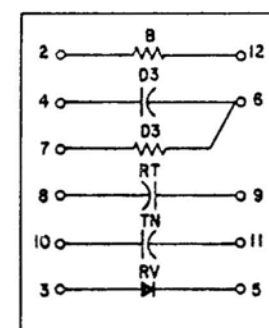
SD-35004-01-B4

APP FIG. 1

RELAY																	
DESIG	A		B		C		CO		D								DESIG
CODE	AJ66		AG15		AG27		AF79		AJ110								CODE
OPTION	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	OPTION
12	B	IG1					EMB										12
11							M	IG2									11
10	M	IB5					EMB	IC5									10
9							B	IO1									9
8	B	IA3					EMB	IC6									8
7							B	IC5									7
6							EMB	IC1									6
5							B	IC3									5
4							M	IO2									4
3							M	IE5									3
2	BM	IE1					EMB	IG4									2
1							M	IF1									1
COIL	IC1							IO7									COIL

CIRCUIT PACK (TIMER)

DESIG	LOC	CODE
TR	IG6	D3

COMPONENT ASSEMBLY
ED-35010-(), GR 2 E/WDESIG
CAI

CAPACITORS

DESIG	LOC	CODE
D3	IG5	533GH
RT	IB4	542W
TN	IB7	542C

DIODES

DESIG	LOC	CODE
RV	IG2	446F

RESISTORS

DESIG	LOC	CODE
B	IC3	KS-14803, LIAD, 511
D3	IG4	147A, 4.02 MEG

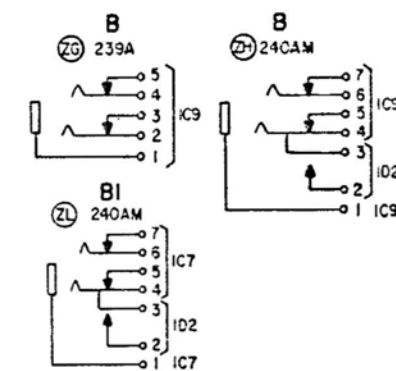
RELAY																	
DESIG	F		L		P		RV										DESIG
CODE	AJ118		AJ110		AJ135												CODE
OPTION	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	OPTION
12																	12
11																	11
10																	10
9																	9
8																	8
7																	7
6	B	IO4															6
5																	5
4																	4
3																	3
2																	2
1																	1
COIL	IC5																COIL

CAPACITORS

DESIG	LOC	CODE
T	IB2	437E
R	IC2	

JACKS (TEST)

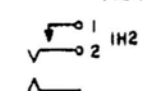
DESIG	LOC	CODE
A	IC1	534C



RELAY																	
DESIG																	DESIG
CODE																	CODE
OPTION	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	OPTION
12							EMB	IE8									12
11							M										11
10							B	IG1									10
9							EMB	IC4									9
8							B	IF1									8
7							EMB	IG4									7
6							B										6
5							EMB	IB4									5
4							M	IO4									4
3							M	IC8									3
2																	2
1																	1
COIL																	COIL

KEY
547A

ACO



LAMPS

DESIG	LOC	CODE
AL	IF8	MI

RELAY																	
DESIG																	DESIG
CODE																	CODE
OPTION	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	OPTION
12																	12
11																	11
10																	10
9																	9
8																	8
7																	7
6																	6
5																	5
4																	4
3																	3
2																	2
1																	1
COIL																	COIL

TRUNK CIRCUIT

②

SD-35004-01-C1

BELL TELEPHONE LABORATORIES
INCORPORATED

6S

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ISSUE
4B

APP FIG. 2

RELAY													
DESIG													DESIG
CODE													CODE
OPTION													OPTION
12	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	12
11													11
10													10
9													9
8													8
7													7
6													6
5													5
4													4
3													3
2													2
1													1
COIL													COIL

RESISTORS		
DESIG	LOC	CODE
W	IE6	KS-14603, LIA0, 590
Z	IE8	

APP FIG. 3

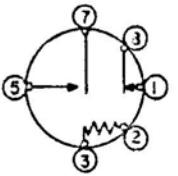
LAMP		
DESIG	LOC	CODE
R	IA5	I30 (RES)

APP FIG. 4

RELAY													
DESIG													DESIG
CODE													CODE
OPTION													OPTION
12	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	12
11													11
10													10
9													9
8													8
7													7
6													6
5													5
4													4
3													3
2													2
1													1
COIL													COIL

SOCKET		
DESIG	LOC	CODE
TH		KS-13364, L3

THERMAL TIME DELAY RELAY



DESIG	TH
CODE	XS-15815, L20
OPTION	
8	2C1
7	29I
6	
5	29I
4	
3	2AI
2	2AI
1	2C1

SD-35004-01-C2

2A

TRUNK CIRCUIT

BELL TELEPHONE LABORATORIES
INCORPORATED

65

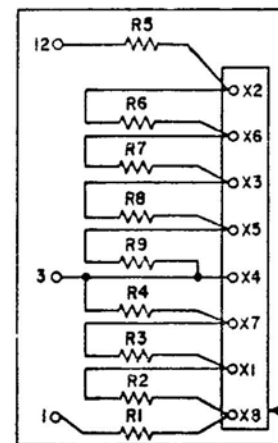
SD-35004-01-C2

APP FIG. 5

RELAY		AI										DI										DESIG	
CODE		3456										4538										CODE	
OPTION		CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	OPTION	
12																						12	
11																						11	
10																						10	
9																						9	
8																						8	
7																						7	
6																						6	
5																						5	
4																						4	
3																						3	
2																						2	
1																						1	
COIL																						COIL	

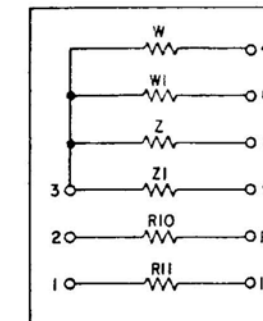
CIRCUIT PACKS

DESIG	LOC	CODE
[1] TMI RELAY DELAY TIMER CP6	2C5	ED-99514(1) SD-99361-01

COMPONENT ASSEMBLY
ED-35010-(1), GR 3 E/WDESIG
CA2

RESISTORS

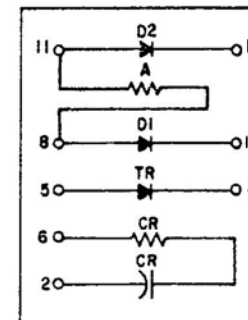
DESIG	LOC	CODE
R1	2B6	505K
R2	2B6	36.1K
R3	2B7	24.3K
R4	2B7	12.1K
R5	2D6	63.4K
R6	2D6	38.8K
R7	2D7	25.8K
R8	2D7	12.7K
R9	2D8	6.42K

COMPONENT ASSEMBLY
ED-35010-(1), GR 4 E/WDESIG
CA3

RESISTORS

DESIG	LOC	CODE
R10	3B4	KS-14603, LIAD, 511
R11	3C4	KS-14603, LIAD, 590
W	3F3	KS-14603, LIAD, 511
WI	4C4	KS-14603, LIAD, 590
Z	3E4	KS-14603, LIAD, 511
ZI	4A2	KS-14603, LIAD, 590

RELAY		RV1										ST										DESIG	
CODE		AK49										AK4										CODE	
OPTION		CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	OPTION	
12																						12	
11																						11	
10																						10	
9																						9	
8																						8	
7																						7	
6																						6	
5																						5	
4																						4	
3																						3	
2																						2	
1																						1	
COIL																						COIL	

COMPONENT ASSEMBLY
ED-35010-(1), GR 5 E/WDESIG
CA4

CAPACITORS

DESIG	LOC	CODE
CR	3E2	542AG

DIODES

DESIG	LOC	CODE
DI	2C7	458A
D2	2D6	458A
TR	3D8	446F

RESISTORS

DESIG	LOC	CODE
A	2C7	KS-14603, LIAD, 72.3
CR	3E2	KS-14603, LIAD, 2.2K

CONNECTORS

DESIG	LOC	CODE
TM	2C6	910A

JACKS

DESIG	LOC	CODE
AI	3B1	554B

LAMPS

DESIG	LOC	CODE
CR	3E2	13L(RES)
RL	4D1	13C(RES)
SUP-	4E1	
SUP+	4E1	

APP FIG. 6

RELAY					
DESIG			INT		
CODE			AJ12		
OPTION	CONT	LOC	CONT	LOC	CONT
	ARR		ARR		ARR
12			EDM		
11			EDM		
10			EDM	467	
9			EDM	467	
8			EDM	467	
7			EDM	467	
6			EDM	467	
5			EDM	467	
4			EDM	467	
3			EDM	467	
2			EDM	467	
1			EDM	467	
COIL				467	

NETWORK

DESIG	LOC	CODE
INT	467	185A

TRUNK CIRCUIT		② SD-35004-01-C4
BELL TELEPHONE LABORATORIES INCORPORATED		

ISSUE
1

SD-35004-01-C4

CIRCUIT NOTES:

DESIG	FUSE AMP	POTENTIAL	ONE PER
	1-1/3	-48V SIG	APP FIG. 1 & 2
	1-1/3	-48V SIG	APP FIG. 4
	1-1/3	-48V SIG	APP FIG. 5
	1-1/3	-48V SIG	APP FIG. 5
	1-1/3	+48	APP FIG. 5, OPTION H
		GRO	APP FIG. 1 & 2
		GRO	APP FIG. 4
		GRO	APP FIG. 5
		GRO	APP FIG. 5
		+48V GRO	APP FIG. 5, OPTION H
	1/2 HZ	CC-	APP FIG. 5
	1/2 HZ	MRRI, MR SUP-, GEN I, +RI	MAX 10 CKTS
	1/2 HZ	AC-DC ALD, SUP- ALD, SUP+ ALD	APP FIG. 5
	X1/2 HZ	LT2	TRK GR
<u>BATTERY SYMBOL</u>		<u>VOLTAGE RANGE</u>	
-48		45-52	
+48		45-52	
* IN NO. 1 AND 350A OFFICE ONLY			

CIRCUIT NOTES (CONT):

FEATURE OR OPTION	PROVIDE		
	APP FIG.	APP OR WRG	QUANTITY

CIRCUIT NOTES (CONT):

RECORD OF APP FIGURES, WIRING AND APPARATUS CHANGES						
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT		
				STD	A & M	MD

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED: RESISTANCE VALUES ARE IN OHMS, CAPACITANCE VALUES ARE IN MICROFARADS, VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS) ARE IN VOLTS.

302. JOB RECORDS NEED NOT BE MAINTAINED FOR OPTIONS A, B, ZA, ZB, ZC, ZD OR ZE.

EQUIPMENT NOTES:

201. PRIOR TO ISSUE 38, THE LEAD BETWEEN 6B OF (B) RELAY AND TERMINAL 52 OF TS (A) OR (C) ON CAD 1 WAS NOT SHOWN.

FEATURE OR OPTION		PROVIDE		
		APP FIG.	APP OR WRG	QUANTITY
911 TRUNK	LOCAL SELECTOR ACCESS	1	ZF	1 PER TRK
	INCOMING SELECTOR ACCESS		K	
NUMBER OF DIGITS TO BE ABSORBED IN TRUNK	2	2	S	1 PER TRK
	1		T	(SEE NOTE 106)
	NONE		R	
RINGING LAMP		3		1 PER 10 FIG.
ALARM TIMER CKT	ALARM LEADS PAIRED WITH GROUND	4	N	1 PER TRK GR
	YES		M	
REVERSE BATTERY SUPERVISION TO BUREAU			V	(SEE NOTE 108)
SLEEVE BATTERY RESISTOR REQUIRED FOR 350A OFFICE			W	
NO			Q	
EMERGENCY RINGBACK (LOCAL SELECTOR ACCESS ONLY) (SEE NOTE 07)	AC-DC RINGING		K	
	SUPERIMPOSED RINGING		E	1 PER TRK
	COIN FIRST PAYSTATIONS	5	F	
	DIAL TONE FIRST PAYSTATIONS		G	1 PER TRK (SEE NOTE 109)
	INTERRUPTER RELAY	6	H	1 PER 10 FIG.
LAST TRUNK BUSY REGISTER (SEE NOTE 108)			ZJ	1 LEAD PER LAST SEL MULTY TRK
ALL TRUNK BUSY REGISTER (SEE NOTE 108)			ZI	1 PER TRK GR
CALLING PARTY DISCONNECTS FIRST	DIRECT TRUNK (LOCAL SELECTOR ACCESS) STEADY LOW TONE		ZN, ZO OR ZP	SEE NOTE 110
	METALLIC FACILITY TO 911			
	CARRIER OR RANGE EXTENDER FACILITY TO 911		ZN	
	TANDEM TRUNK (INCOMING SELECTOR ACCESS) RECORDER TONE TO 911			SEE NOTE 111

NETWORK VALUES		
NETWORK NO.	RESISTANCE IN OHMS	CAPACITANCE IN UF
1	470	0.11

RECORD OF APP FIGURES, WIRING AND APPARATUS CHANGES						
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT		
				STD	A & M	MD
38	ZG OR ZH	ZG		ZH		ZG
48	ZJ OR ZI	NONE	102	ZJ, ZI		
58U	ZM, ZO, OR ZN	ZM	102	ZO, ZN		ZM
60	ZP	NONE	102	ZP		

WORKING LIMITS:

MAX EXT CKT LOOP (SUB)	-45 MIN 1400	-48 MIN 1500
MAX EXT CKT LOOP (TO EMER SRV BUREAU)	-45 MIN 1600	-48 MIN 1700
MIN INS RES (SUB)	15,000	
MIN INS RES (TO EMER SRV BUREAU)	30,000	
MAX EARTH POTENTIAL	± 3V	

TRUNK CIRCUIT

②

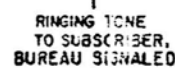
SD-35004-01-D1

BELL TELEPHONE LABORATORIES

6S

CALL TO BUREAU SEIZURE

CALL ORIGINATED FROM A
COIN (OPTION K) OR LOCAL STATION



ISSUE

⑤

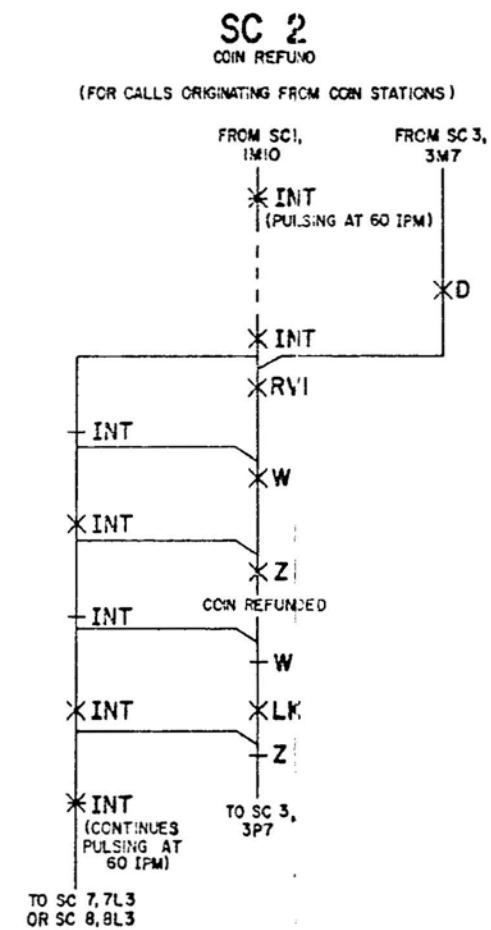
SD-35004-01-E1

BELL TELEPHONE LABORATORIES
INCORPORATED

6

— 100 —

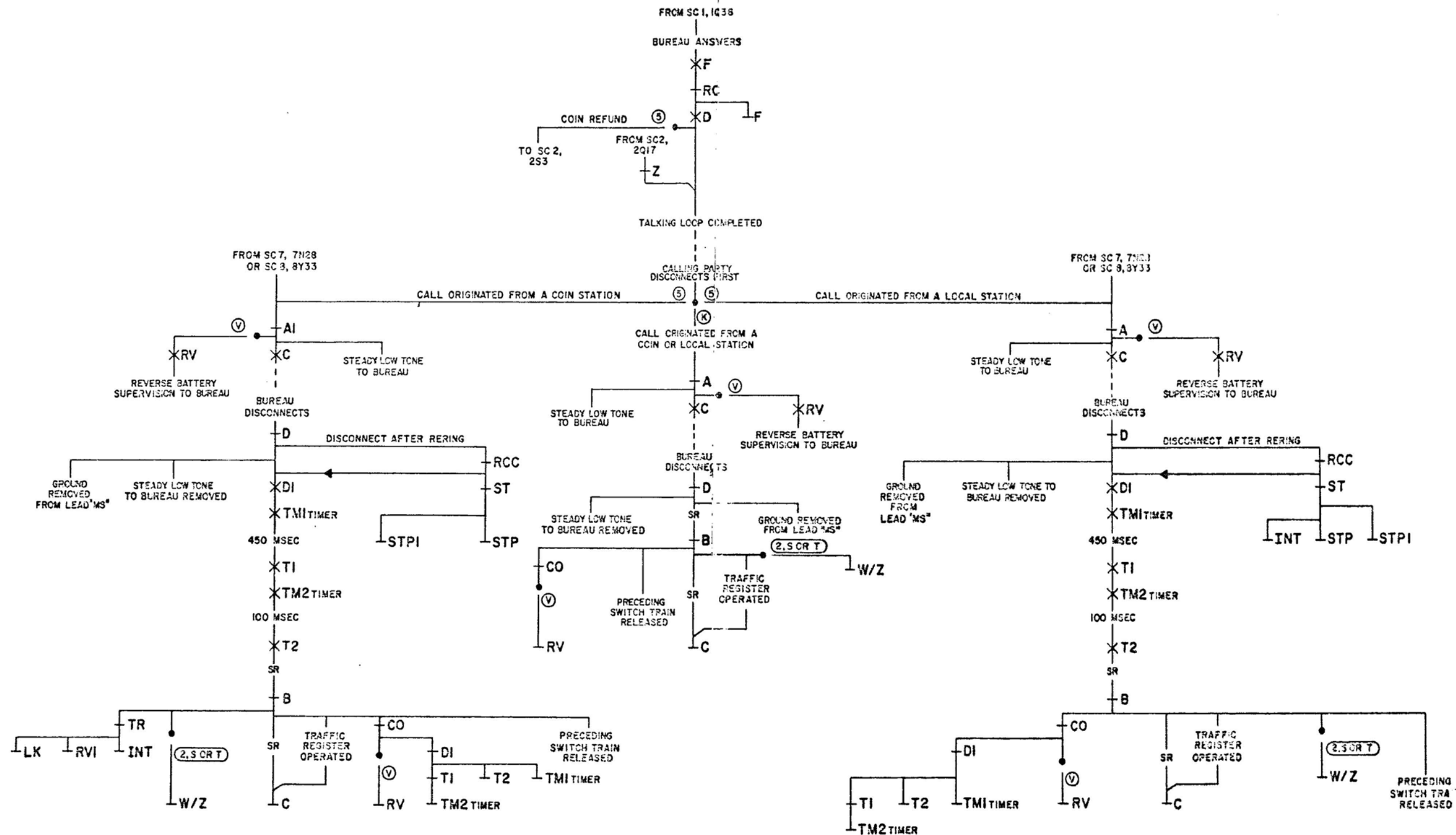
SD-35004-01-E2



ISSUE
1

TRUNK CIRCUIT	②	SD-35004-01-E2
BELL TELEPHONE LABORATORIES INCORPORATED	6S	PRINTED IN U.S.A.

SC 3 BUREAU ANSWERS CALL, CALLING PARTY DISCONNECTS FIRST

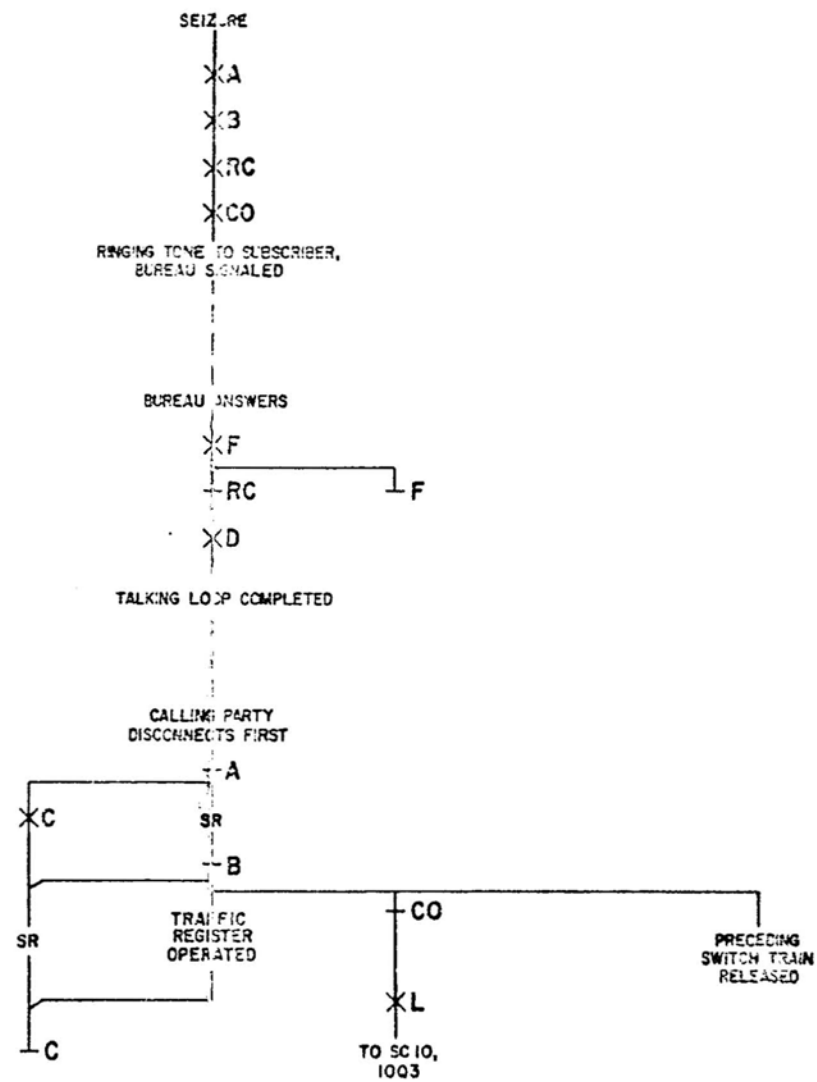


SD-35004-01-E3

ISSUE
58U

TRUNK CIRCUIT	②	SD-35004-01-E3
BELL TELEPHONE LABORATORIES INCORPORATED	6S	PRINTED IN U.S.A.

SC 4
CALL TO BUREAU
(CALL ORIGINATED VIA A TANDEM
OFFICE, TRUNK NOT ARRANGED FOR
DIGIT ABSORPTION, OPTION K)



SD-35004-01-E4

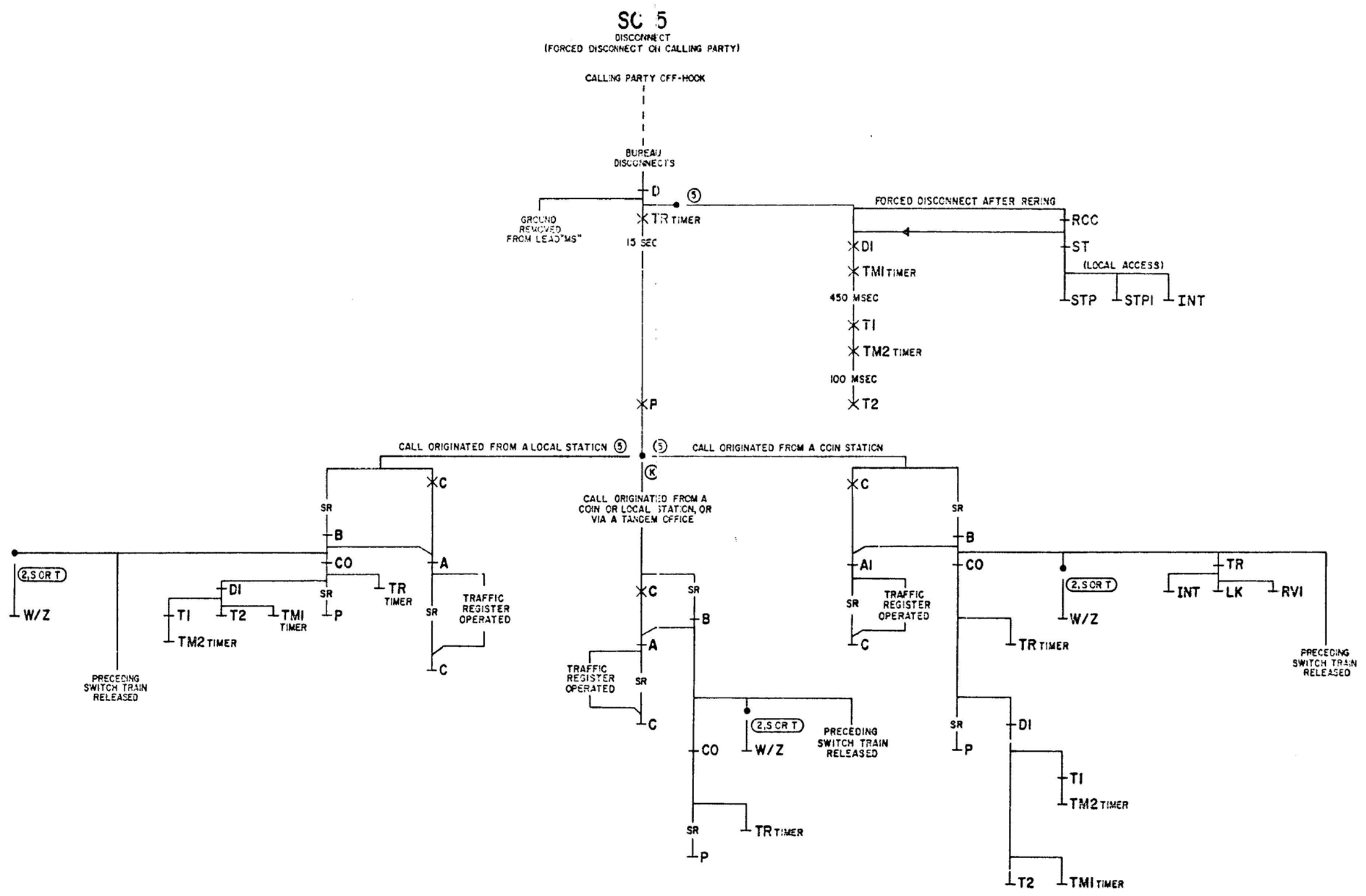
ISSUE
58U

TRUNK CIRCUIT ② SD-35004-01-E4

BELL TELEPHONE LABORATORIES
INCORPORATED

6S

SD-35004-01-E5



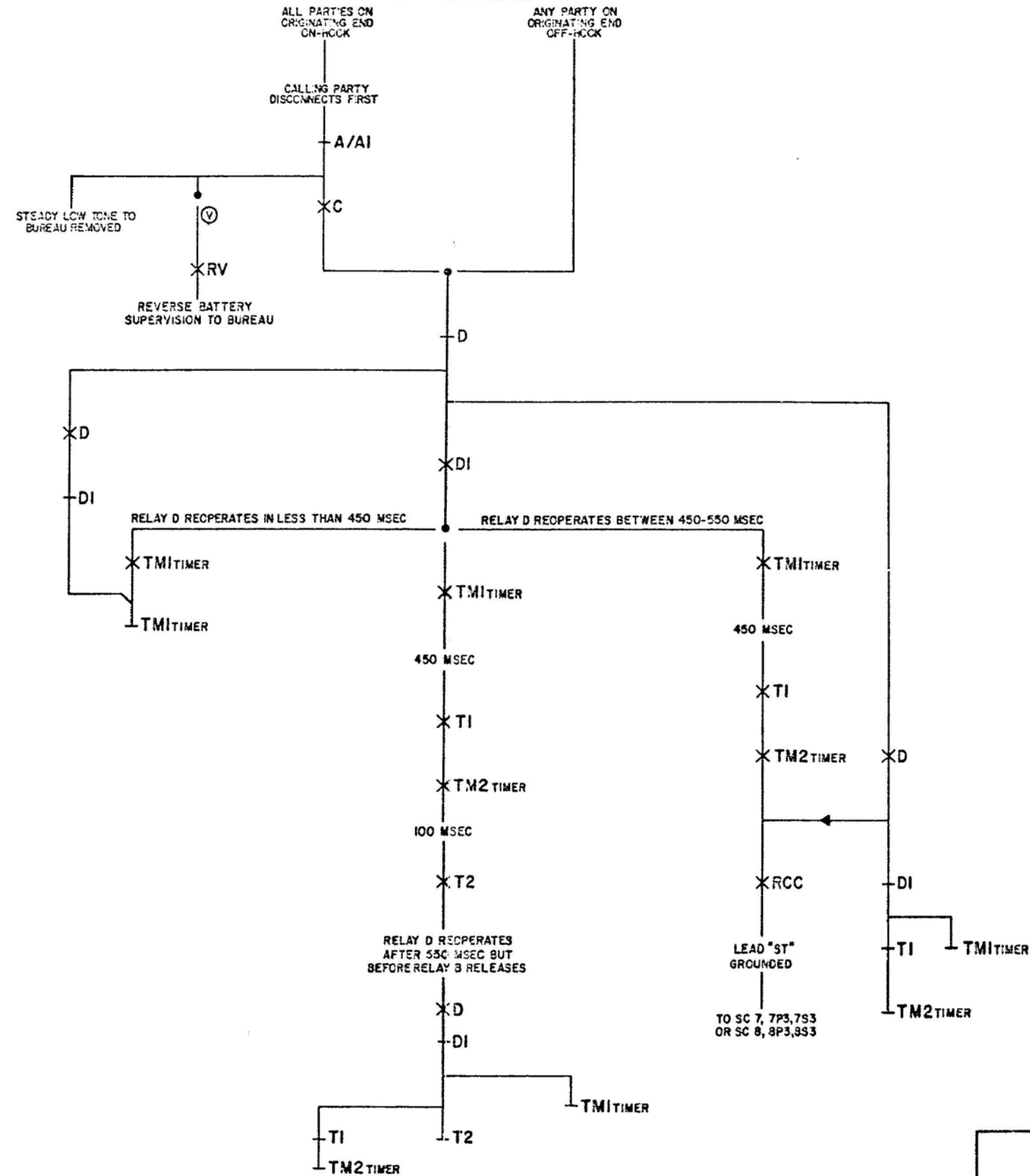
TRUNK CIRCUIT		SD-35004-01-E5
BELL TELEPHONE LABORATORIES INCORPORATED		

6S

ISSUE
1

SC 6

WINK DETECTION FOR RERING
(CALL ANSWERED BY BUREAU,
TALKING PATH COMPLETED)



SD-35004-01-E6

ISSUE
5BU

TRUNK CIRCUIT

2

SD-35004-01-E6

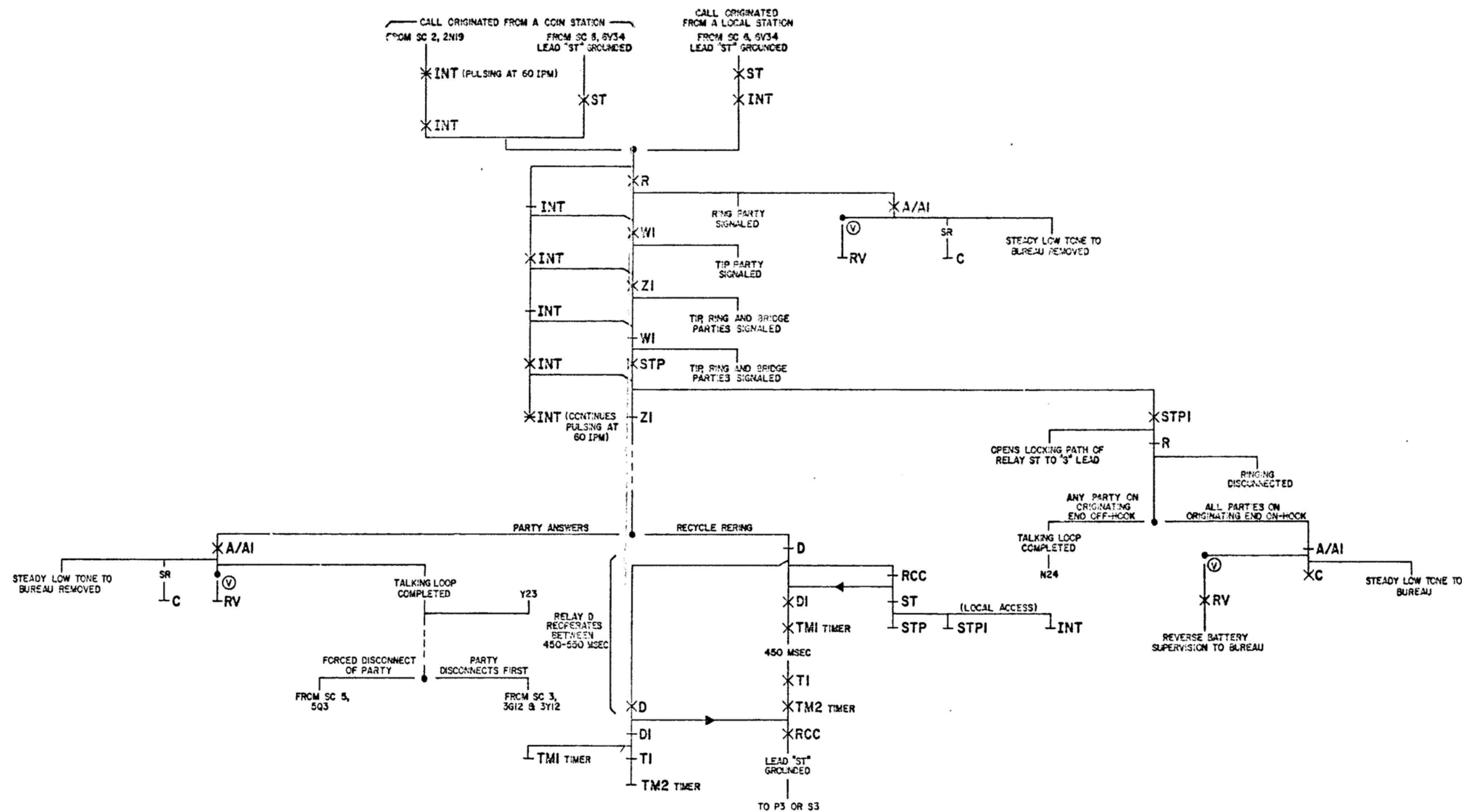
BELL TELEPHONE LABORATORIES
INCORPORATED

6S

PRINTED IN U.S.A.

SC 7

PERRING
(SIX OFFICES WITH AC-DC AUDIBLE RINGING MACHINES)



SD-35004-01-E7

ISSUE
5BU

TRUNK CIRCUIT

②

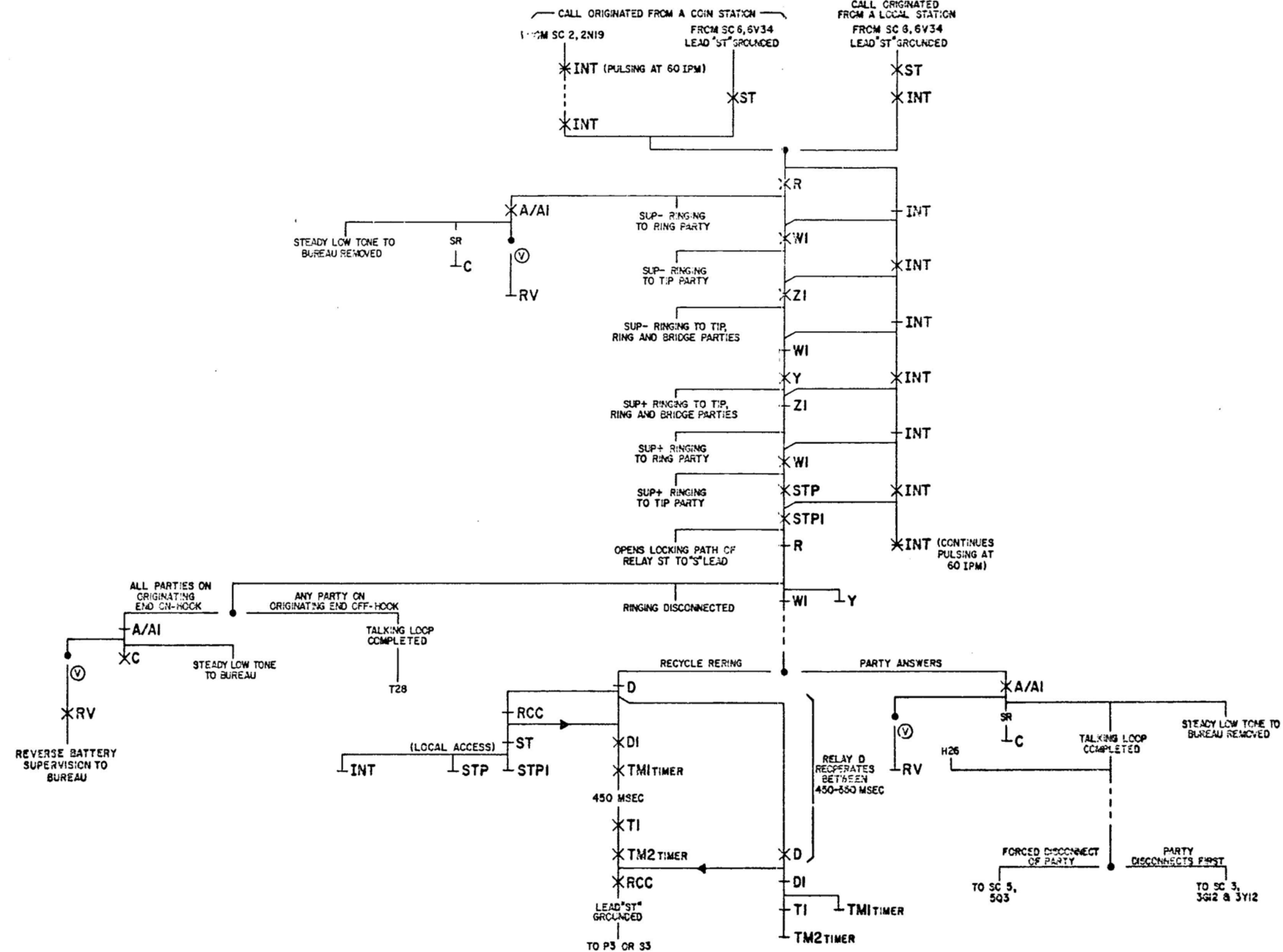
SD 35004-01-E7

BELL TELEPHONE LABORATORIES
INCORPORATED

6S

SC 8

RERING
(SXS OFFICES WITH SUP-2 AUDIBLE RINGING MACHINES)

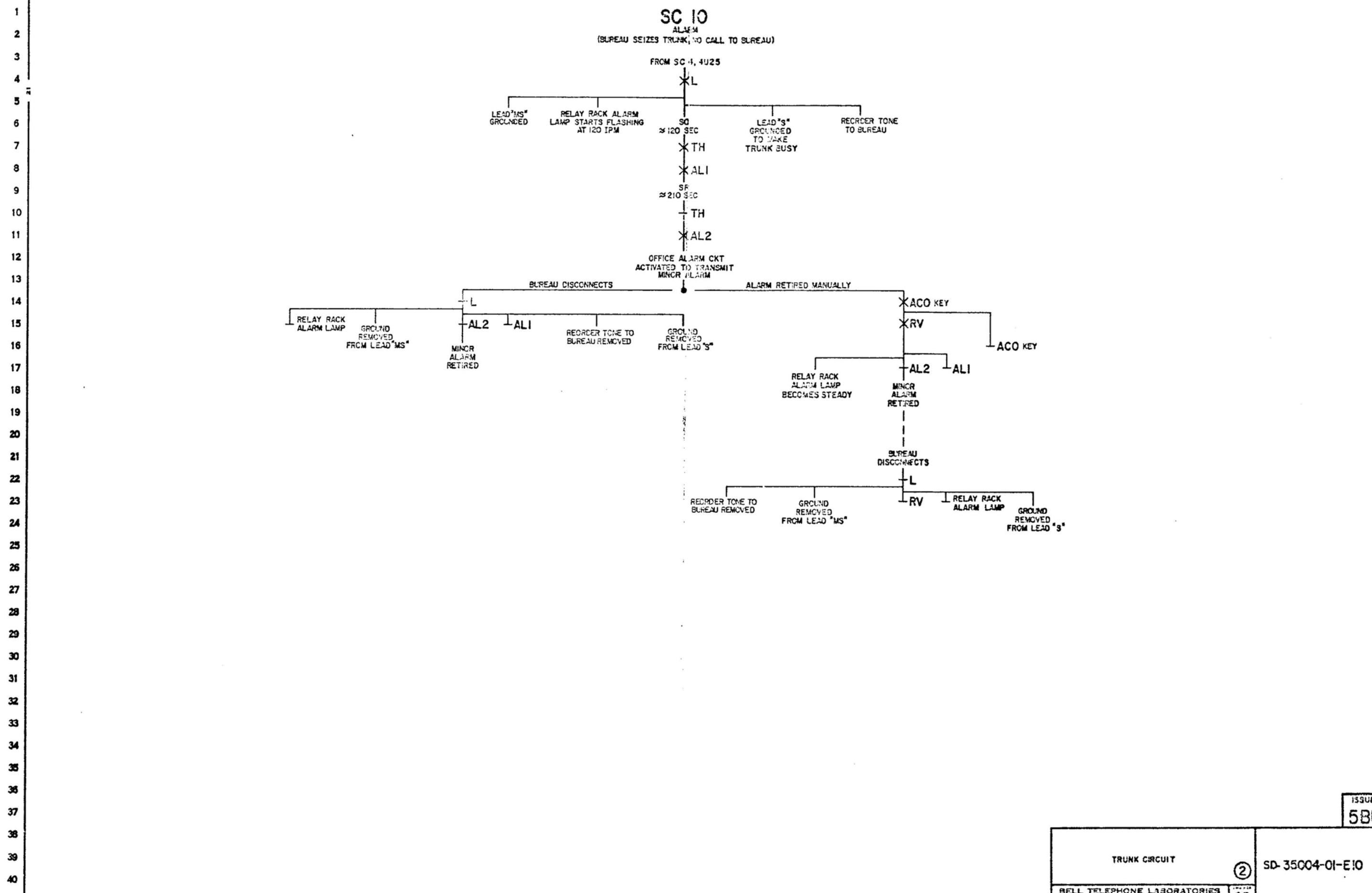


SD-35004-01-E8

ISSUE
58U

TRUNK CIRCUIT	②	SD-35004-01-E8
SELL TELEPHONE LABORATORIES		65

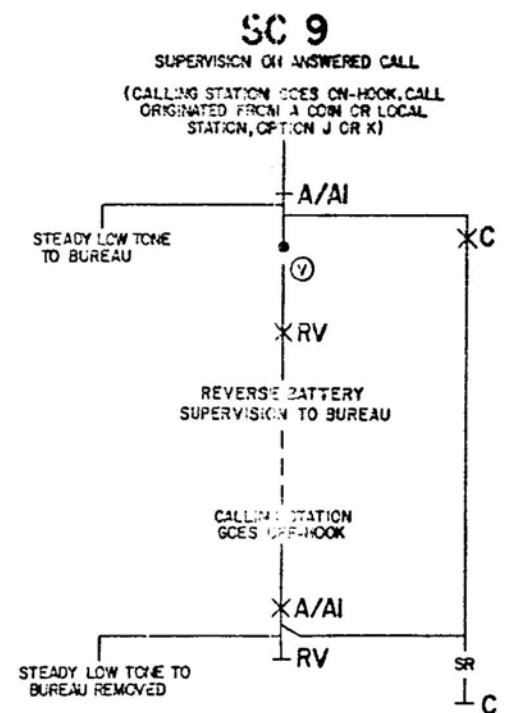
A B C D E F G H J K L M N P Q R S T U V W X Y Z AA AB AC AD AE AF



SD-35004-01-E10

ISSUE
5BU

TRUNK CIRCUIT	②	SD-35004-01-E10
BELL TELEPHONE LABORATORIES INCORPORATED	6S	



SD-35004-01-E9

ISSUE
58U

TRUNK CIRCUIT	②	SD-35004-01-E9
BELL TELEPHONE LABORATORIES INCORPORATED	6S	

CIRCUIT REQUIREMENTS

APPARATUS				MECH REQ			CIRCUIT PREPARATION				DIRECT CURRENT FLOW REQ							REMARKS
DESIG	CODE	OPT	FIG.	BSP FIG.	CONT PRES	ARM. TRVL	BLOCK OR INSULATE	TEST CLIP DATA		TEST SET PREP	SEE TEST NOTE	TEST WDG	TEST FOR	AFTER SOAK MA	TEST MA	READJ MA		
								CONN BAT.	CONN GRD									
RELAYS																		
A	AJ66	I		58				TST JK A-2	TST JK A-1	M	1,2	P/S	O		16.5	15.5		
													R		6.4	6.8		
AI	AJ66	5		58				TST JK AI-2	TST JK AI-1	M	1,2	P/S	O		16.5	15.5		
													R		6.4	6.8		
AL1	I/2AK4	4		202					IL (AL1)	GRD	7	B	O		11.9	11.3	MOUNTED WITH AL2	
AL2	I/2AK4	4		202					IU (AL2)	GRD	7	T	O		11.9	11.3	MOUNTED WITH AL1	
B	AG16	I		233					U (B)	GRD			O		17.5	16.5		
													H		2.6	2.1		
													R		1.1	1.4		
C	AG27	I		458					IU (C)	GRD			P	O	34	32		
													P	H	48	45		
													P	R	2.7	3.4		
							8M(C)	2L (C)	2U (C)	B/G	2	S	O		49.5	45		
CO	AF79	I		205			68(CO)		U (CO)	GRD			O		10	9.2		
													NO		4.3	4.5		
D	AJ110	I		319				IL (D)	2U (D)	M		P/S	O	31	20	19.5		
													R		2.9	3.2		
DI	AG58	5		388					IU	GRD	5,6	P	O	42	14.5	13.8		
													NO		6.9	7.3		
													H		2.1	2		
													R		1.2	1.5		
F	AJ118	I		53			CO(NO, RC) NO	U (F)	L (F)	B/G	3		O	-50	22	21		
													NO		18	19		
INT	AJ12	6		220					U	GRD	6		O		42.5	40.5		
L	AJ110	I		319			4M(L)	IL (L)	2U (L)	M		P/S	O	31	20	19.5		
													R		2.9	3.2		
LK	I/2AK22	5		216					IU	GRD	6	T	O		27.5	25	MOUNTED WITH W	
P	I/2AK35	I		202				2L (P)	IL (P)	B/G	4	B	O	48	31.5	30	MOUNTED WITH RV	
													H		4.4	4.2		

CIRCUIT REQUIREMENTS

APPARATUS				MECH REQ			CIRCUIT PREPARATION				DIRECT CURRENT FLOW REQ							REMARKS
DESIG	CODE	OPT	FIG.	BSP FIG.	CONT PRES	ARM. TRVL	BLOCK OR INSULATE	TEST CLIP DATA		TEST SET PREP	SEE TEST NOTE	TEST WDG	TEST FOR	AFTER SOAK MA	TEST MA	READJ MA		
								CONN BAT.	CONN GRD									
R	AJ9	5		234					U	GRD	6		O		40	38		
RC	AG33			3058			68(F)		U (RC)	GRD			O	30	14.7	14		
													H		2.5	2.3		
													R		1.3	1.5		
RCC	I/2AK46	5		19					IL	GRD	5,6		O	60	25.5	25	MOUNTED WITH F2	
													NO		20	21.5		
													R		4.7	5		
RV	I/2AK35	I		202					IU (RV)	GRD			T	O	12.5	11.8	MOUNTED WITH P	
RV1	I/2AK49	5		224					IL	GRD	6	B	O		11.9	11.3	MOUNTED WITH ST	
ST	I/2AK49	5		224			108(STPI)		IU	GRD	6	T	O		11.9	11.3	MOUNTED WITH RV1	
STP	I/2AK1	5		202					IL	GRD	6	B	O		11.9	11.3	MOUNTED WITH STPI	
STPI	I/2AK4	5		202					IU	GRD	6	T	O		11.9	11.3	MOUNTED WITH STP	

TEST NOTES:

1. ARMATURE BACK TENSION MIN 20 GRAMS READJUST, 15 GRAMS TEST.
2. ADJUSTED ON LIGHT CONTACT FORCE.
3. CONTACT BREAK 5, NO BREAK 8.5 READJUST; BREAK 3.5, NO BREAK 10, TEST
4. REMOVE TIMER (TR).
5. REMOVE CP 6 TIMER.
6. SEE BSP 226-160-300; METHOD OF TAKING EQUIPMENT OUT OF SERVICE.
7. REMOVE TIMER (TH).

ISSUE
48

TRUNK CIRCUIT

BELL TELEPHONE LABORATORIES
INCORPORATED

②

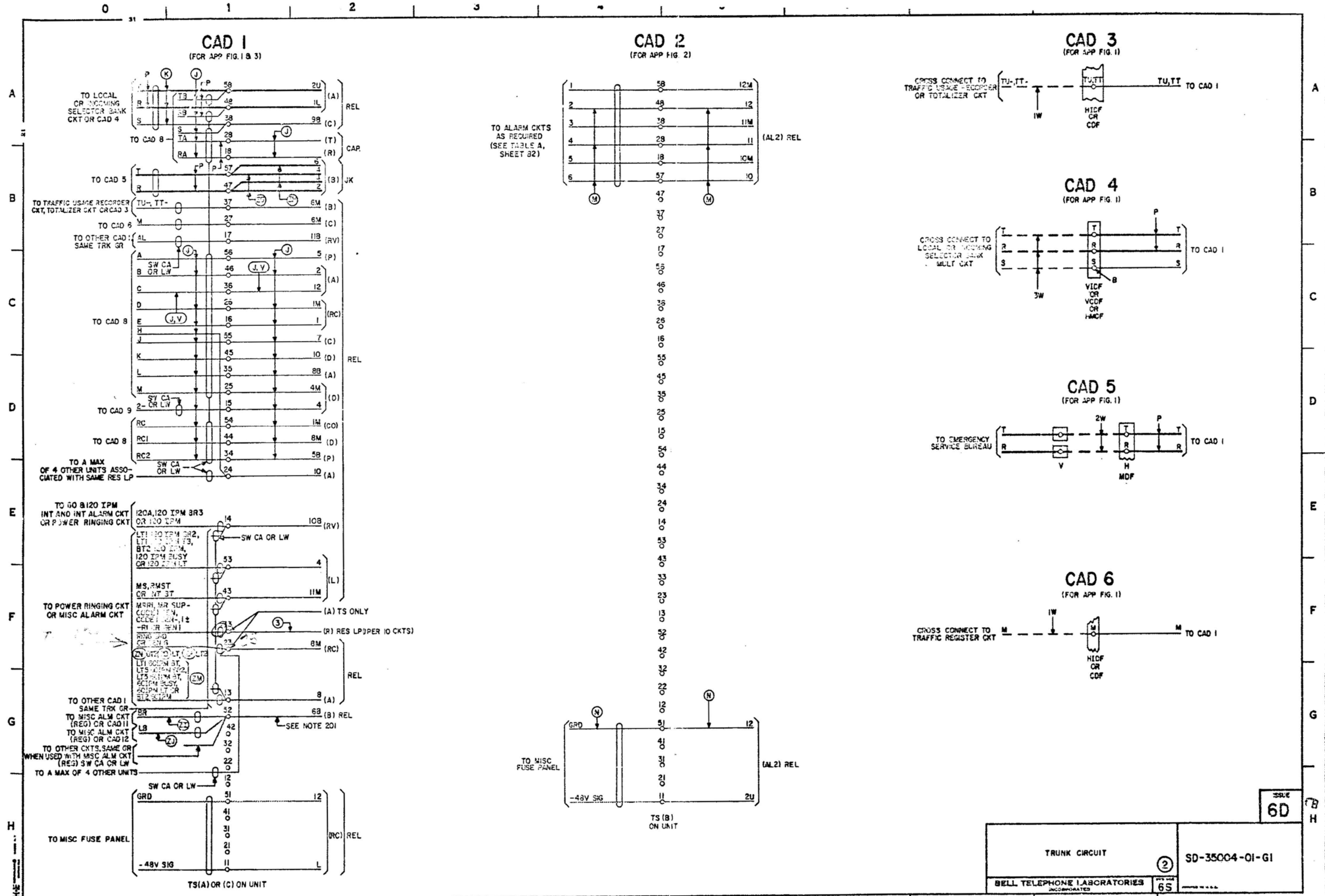
SD-35004-01-F1

6S

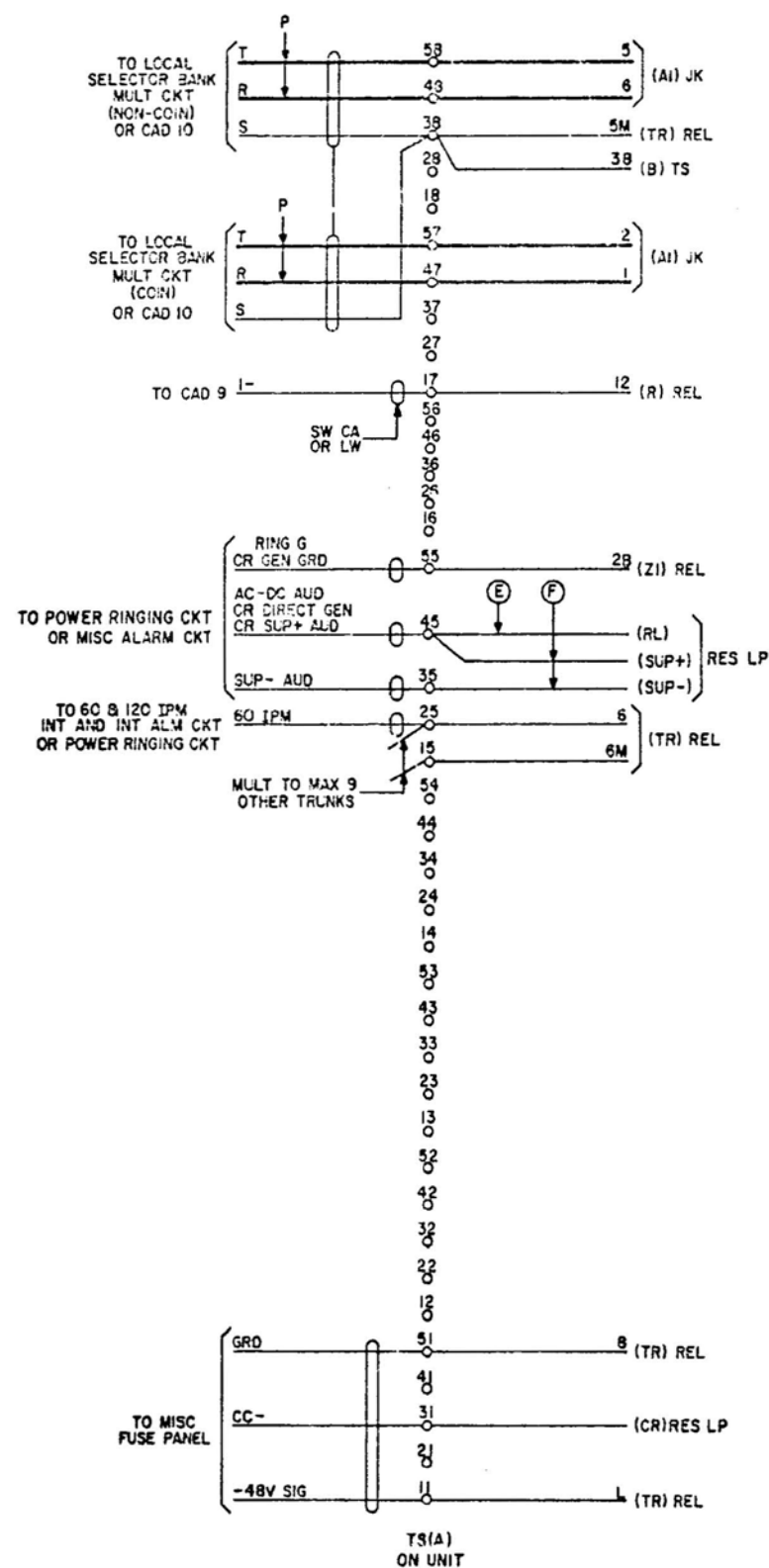
SD-35004-01-F1

[illegible][illegible]

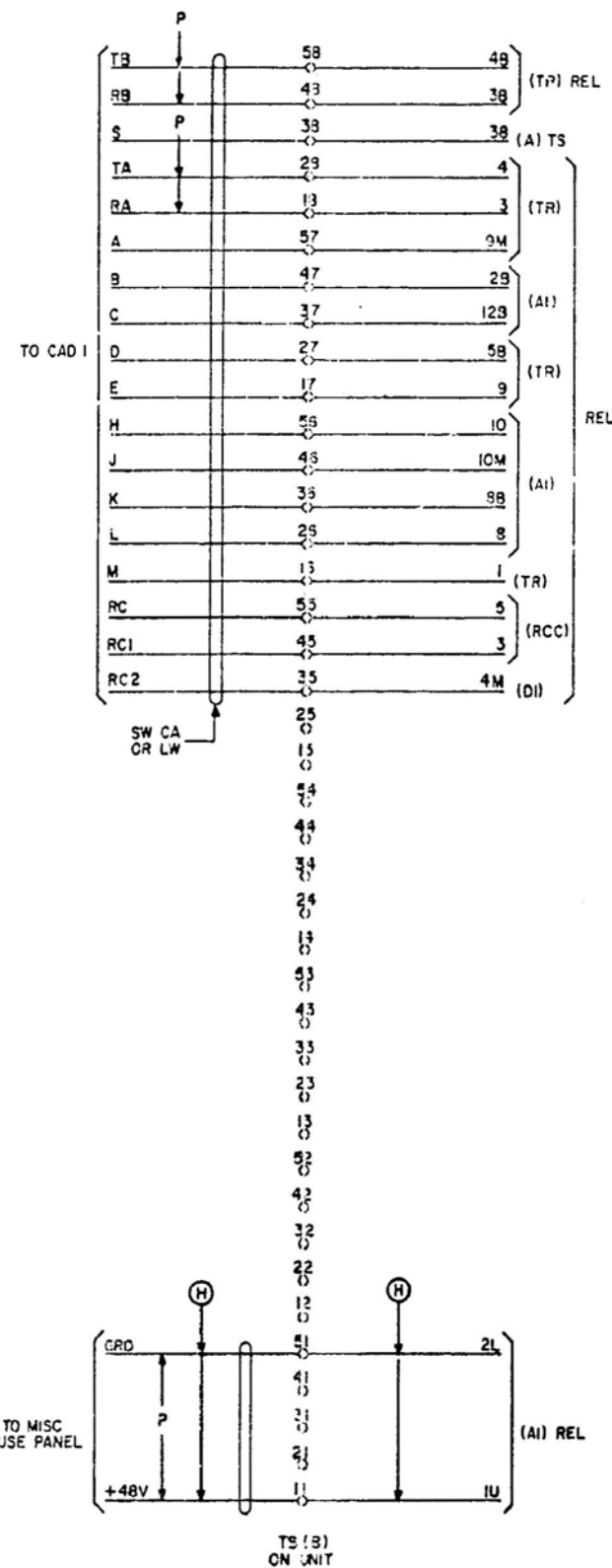
6



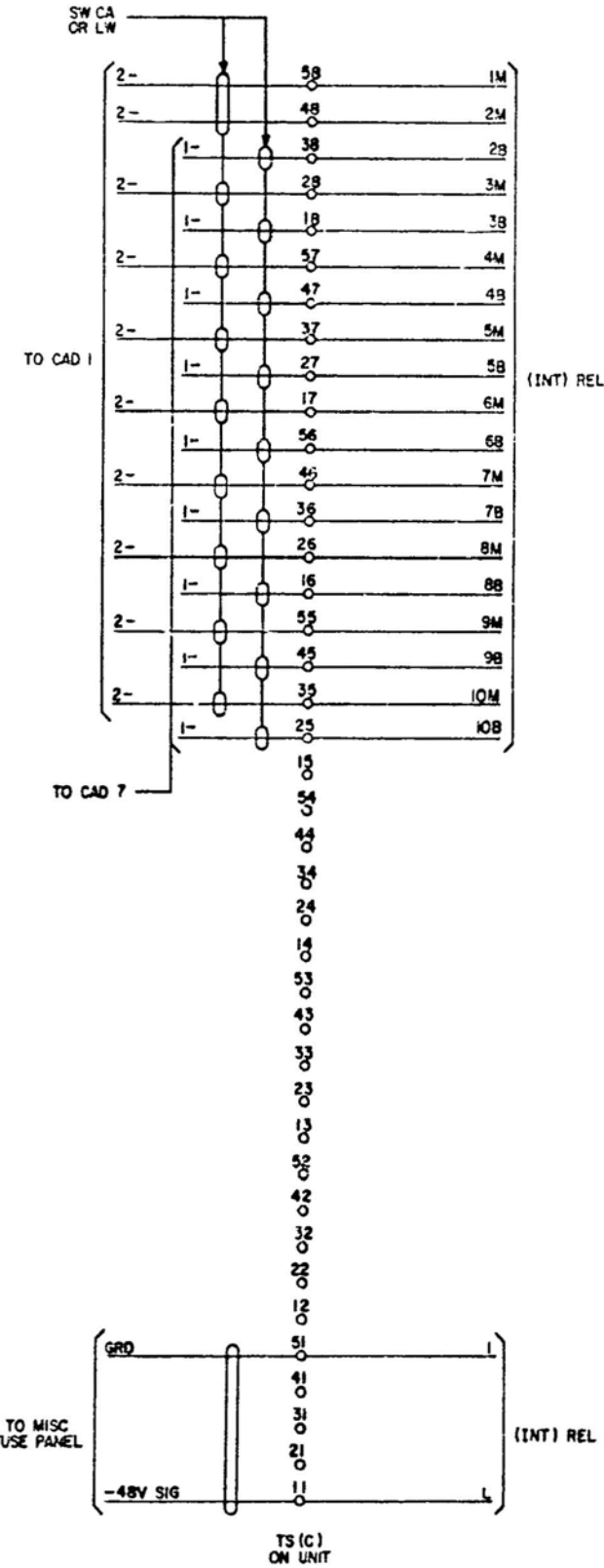
CAD 7 (FOR APP FIG. 5)



CAD 8 (FOR APP FIG. 5)



CAD 9 (FOR APP FIG. 6)



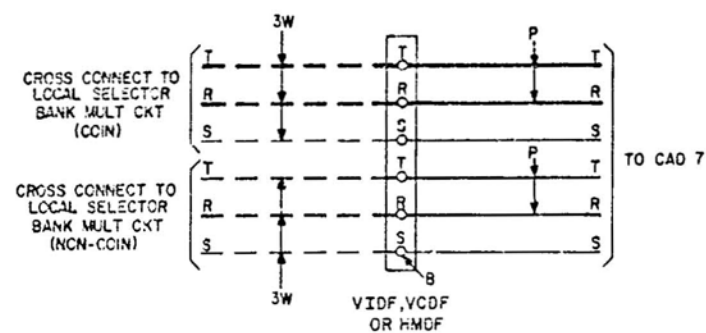
SD-35004-01-G2

ISSUE 3B

TRUNK CIRCUIT	2	SD-35004-01-G2
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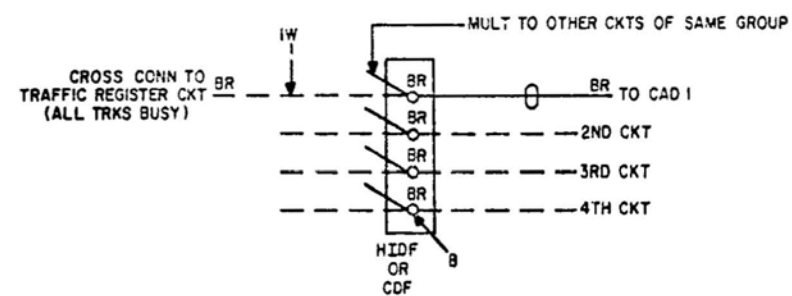
CAD 10

(FOR APP FIG. 5)



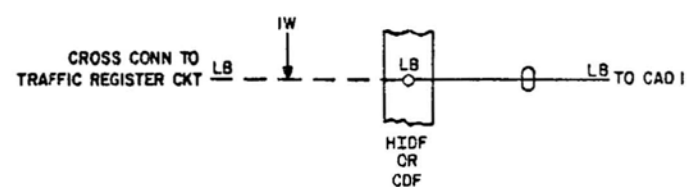
CAD 11

(FOR APP FIG. 1)



CAD 12

(FOR APP FIG. 1)



SD-35004-01-G3

ISSUE
3B

TRUNK CIRCUIT

②

SD-35004-01-G3

BELL TELEPHONE LABORATORIES
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6S

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