

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																			
APPARATUS INDEX	A2	1	1	3	4	4	4																			
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 ALD) OR FOUR PARTY SELECTIVE, EIGHT PARTY SEMI-SELECTIVE CODE RINGING (SUP ALD)	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	1																			
SC 2 COIN REFUND (FOR CALLS ORIGINATING FROM COIN STATIONS)	E2	1	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 TANDEN 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 AUGIBLE RINGING MACHINES)	E7	1	1	1	1	5	5																			
SC 8 RERING (SXS OFFICES WITH SUP ± AUGIBLE 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	SUPPORTING INFORMATION	
	CATEGORY	NO.
1. WHEN CHANGES ARE MADE IN THIS DRAWING, ONLY THOSE SHEETS AFFECTED WILL BE REISSUED.	EQUIPMENT DRAWINGS	J33018D-( ) J33018E-( )
2. THIS SHEET INDEX WILL BE REISSUED AND BROUGHT UP TO DATE EACH TIME ANY SHEET OF THIS DRAWING IS REISSUED, OR A NEW SHEET IS ADDED.	EQUIPMENT DESIGN REQ	814-520-150
3. THE ISSUE NUMBER ASSIGNED TO A CHANGED OR NEW SHEET WILL BE THE SAME ISSUE NUMBER AS THAT OF THE SHEET INDEX.	KEYSHEET DRAWINGS	SXS NO. 1 SXS NO. 350A SXS NO. 355A SXS NO. 356A SXS NO. 360A SXS NO. 35E97
4. SHEETS THAT ARE NOT CHANGED WILL RETAIN THEIR EXISTING ISSUE NUMBER.	MAINTENANCE BSP	SD-31359-01 SD-31364-01 SD-31780-01 SD-32149-01 SD-31250-01 SD-32325-01 226-534-500
5. THE LAST ISSUE NUMBER OF THE SHEET INDEX IS RECOGNIZED AS THE LATEST ISSUE NUMBER OF THE DRAWING AS A WHOLE.		

ISSUE 6D

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

AT&T CO STANDARD  
A&M ONLY FOR 350A, 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

BELL TELEPHONE LABORATORIES INCORPORATED

ISSUE	CD	DATE ISSUED	ISSUE NO.
1	1	1-19-73	P. 15
2A	1	2-5-73	P. 15
3B	1	3-26-73	P. 15
4B	1	2-9-73	P. 15
5B	1	5-1-73	P. 15
5D	1	5-1-73	P. 15

APPARATUS INDEX

A  
B  
C  
D  
E  
F  
G  
H

EQPT LOC	APP FIG	
	NO.	SH NO.
CIRCUIT PACKS		
TM1/TM2	5	C3
TR	1	C1

DESIG	LOCATION		
	FS	APP FIG	EQPT
COMPONENT ASSEMBLIES			
CA1	}	5	CA1
CA2			CA2
CA3			CA3
CA4			CA4

DESIG	LOCATION		
	FS	APP FIG	EQPT
RELAYS			
A	IC1	1	
AI	306	5	
AL1	2B1	4	
AL2	2C1	4	
B	1E3	1	
C	1E3	1	
CO	1D7	1	
D	IC2	1	
DI	2F6	5	
F	IC5	1	
INT	4B7	6	

DESIG	LOCATION		
	FS	APP FIG	EQPT
RELAYS			
L	IC6	1	
LK	3H2	5	
P	1G6	1	
R	3G5	5	
RC	1D4	1	
RCC	2F6	5	
RV	1G2	1	
RVI	3G3	5	
ST	3E7	}	5
STP	3G8		
STPI	3H6		
T1	2C7	5	
T2	2C6	5	
TR	3C8	5	
W	1E6	2	
WI	3F3	5	
WI	4C4	5	

DESIG	LOCATION		
	FS	APP FIG	EQPT
RELAYS			
Y	4C1	5	
Z	1E7	2	
ZI	3F4	5	
ZI	4B2	5	

DESIG	LOCATION		
	FS	APP FIG	EQPT
CAPACITORS			
CR	3E2	5	CA4
D3	1G5	1	CA1
R	IC2	1	
RT	1B4	1	CA1
T	1B2	1	
TN	1B7	1	CA1

DESIG	LOCATION		
	FS	APP FIG	EQPT
CONNECTORS			
TM	2C6	5	

DESIG	LOCATION		
	FS	APP FIG	EQPT
DIPDES			
D1	2C	5	CA4
D2	2D6	5	CA4
RV	1G2	1	CA1
TR	308	5	CA4

DESIG	LOCATION		
	FS	APP FIG	EQPT
JACKS			
A	IC1	1	
AI	3B1	5	
B	}	1	
BI			

DESIG	LOCATION		
	FS	APP FIG	EQPT
KEYS			
AC0	SEE APP FIG. 1		

DESIG	LOCATION		
	FS	APP FIG	EQPT
LAMPS			
AL	1F8	1	

DESIG	LOCATION		
	FS	APP FIG	EQPT
RESISTANCE LAMPS			
CH	3E2	5	
R	1A5	}	3
RI	4D1		
SUP+	4E1	}	5
S/P-	4E1		

DESIG	LOCATION			
	FS	APP FIG	EQPT	
RESISTORS				
A	2C7	5	CA4	
9	1C3	1	CA1	
CR	3E2	5	CA4	
D3	1G4	1	CA1	
R1	}	5	CA2	
R2				2B6
R3				2B6
R4				2B7
R5				2B7
R6				2C6
R7				2D6
R8				2D7
R9				2D7
R10				2C8
R11				3B4
	3C4		CA3	
W	1E6	2		
WI	3F3	5	CA3	
WI	4C4	5	CA3	
Z	1E6	2		
ZI	3E4	5	CA3	
ZI	4A2	5	CA3	

DESIG	LOCATION		
	FS	APP FIG	EQPT
SOCKET			
TH		4	

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

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

ISSUE  
4B

TRUNK CIRCUIT

BELL TELEPHONE LABORATORIES INCORPORATED

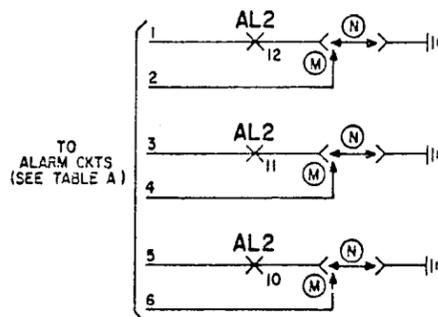
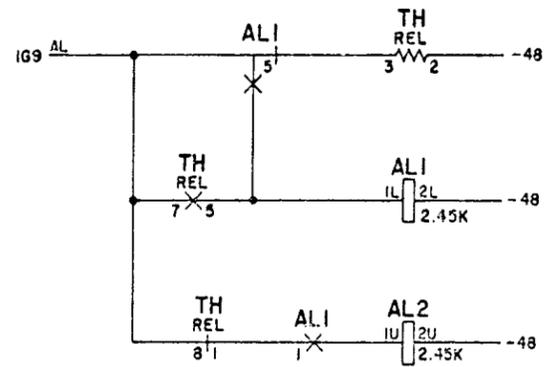
SD-35004-01-A2

6S





**FS 2**  
ALARM TIMER CKT



**FS 3**  
WINK DETECTOR CKT

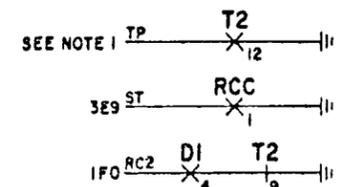
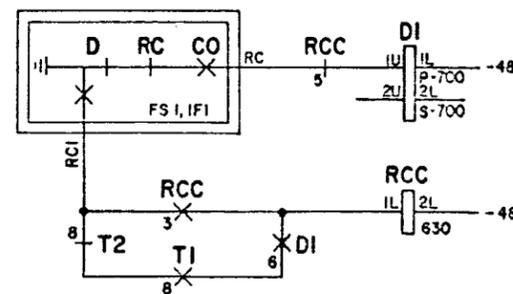
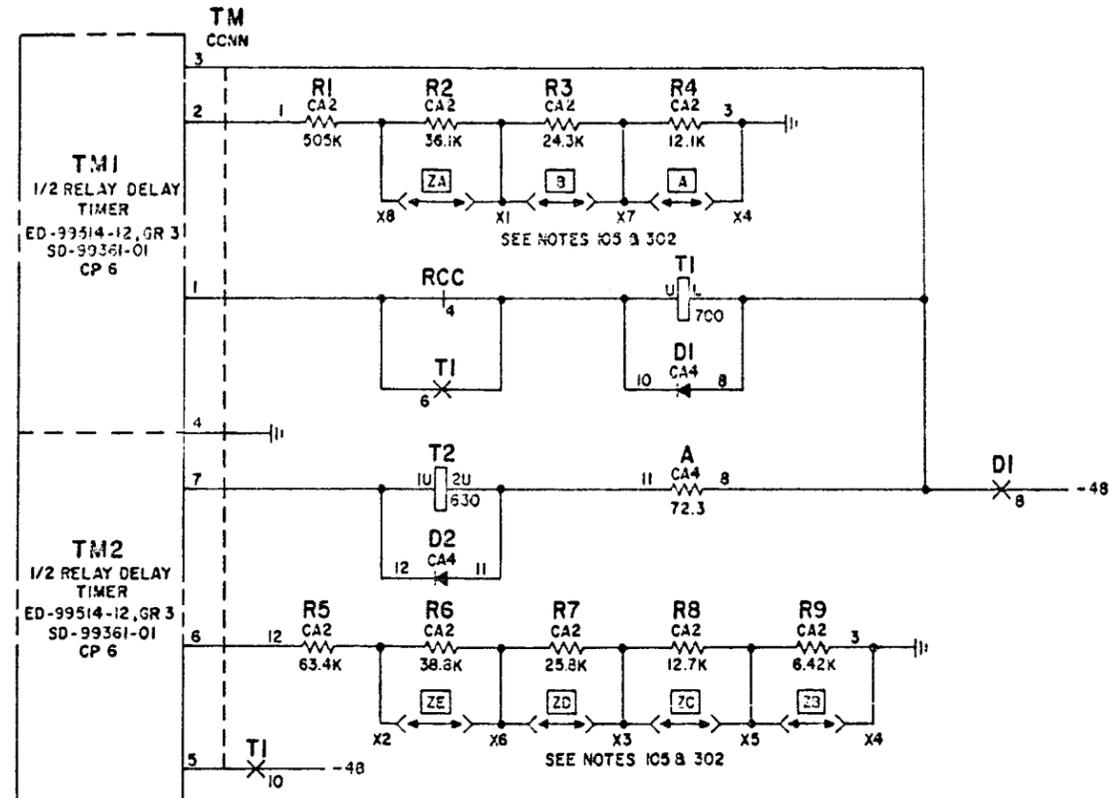


TABLE A

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)

NOTES:  
1. FOR TEST PURPOSES ONLY.

ISSUE  
**3B**

TRUNK CIRCUIT

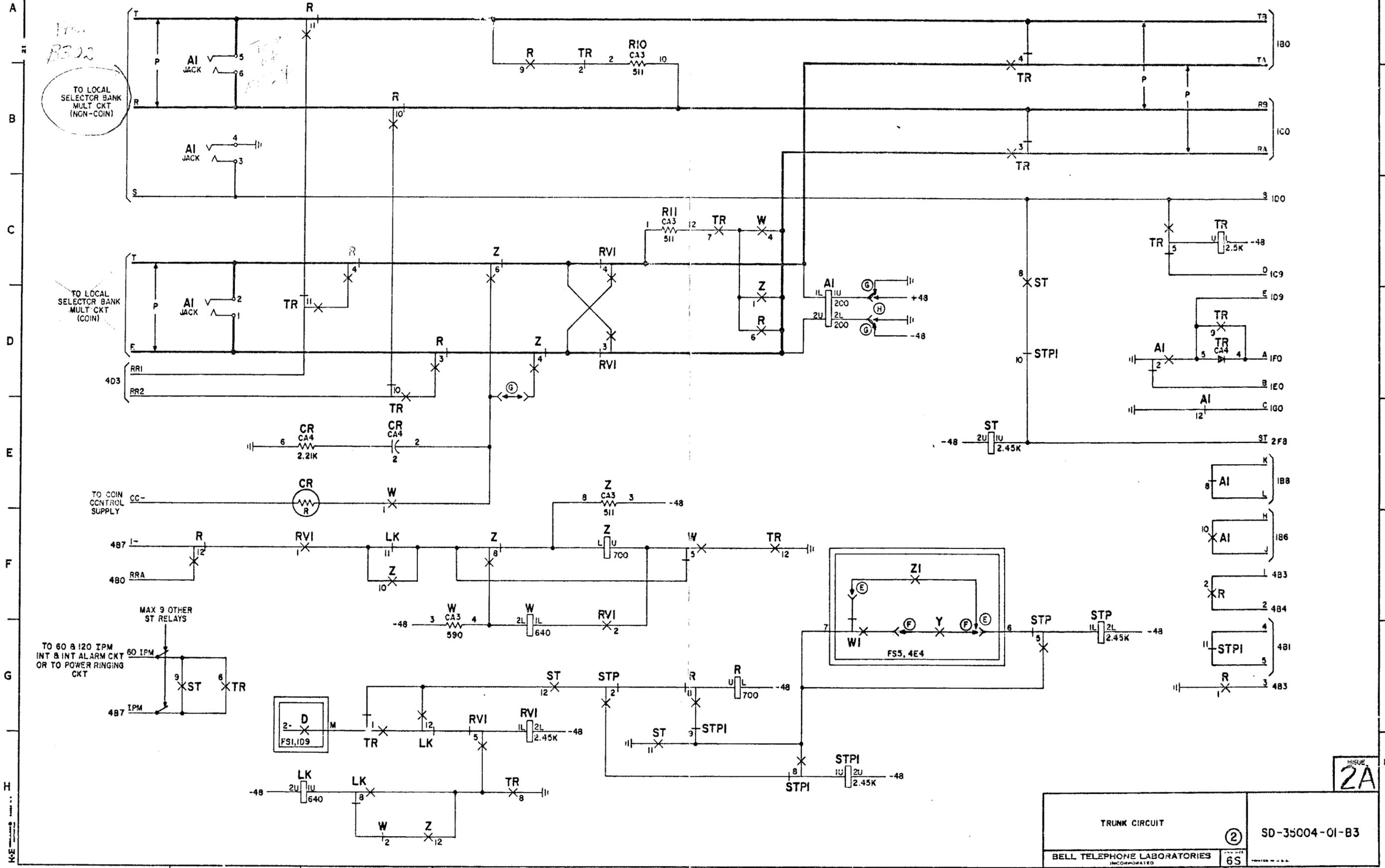
BELL TELEPHONE LABORATORIES  
INCORPORATED

SD-35004-01-B2

6S

SD-35004-01-B2

FS 4  
COIN REFUND AND RERING  
CONTROL CKT

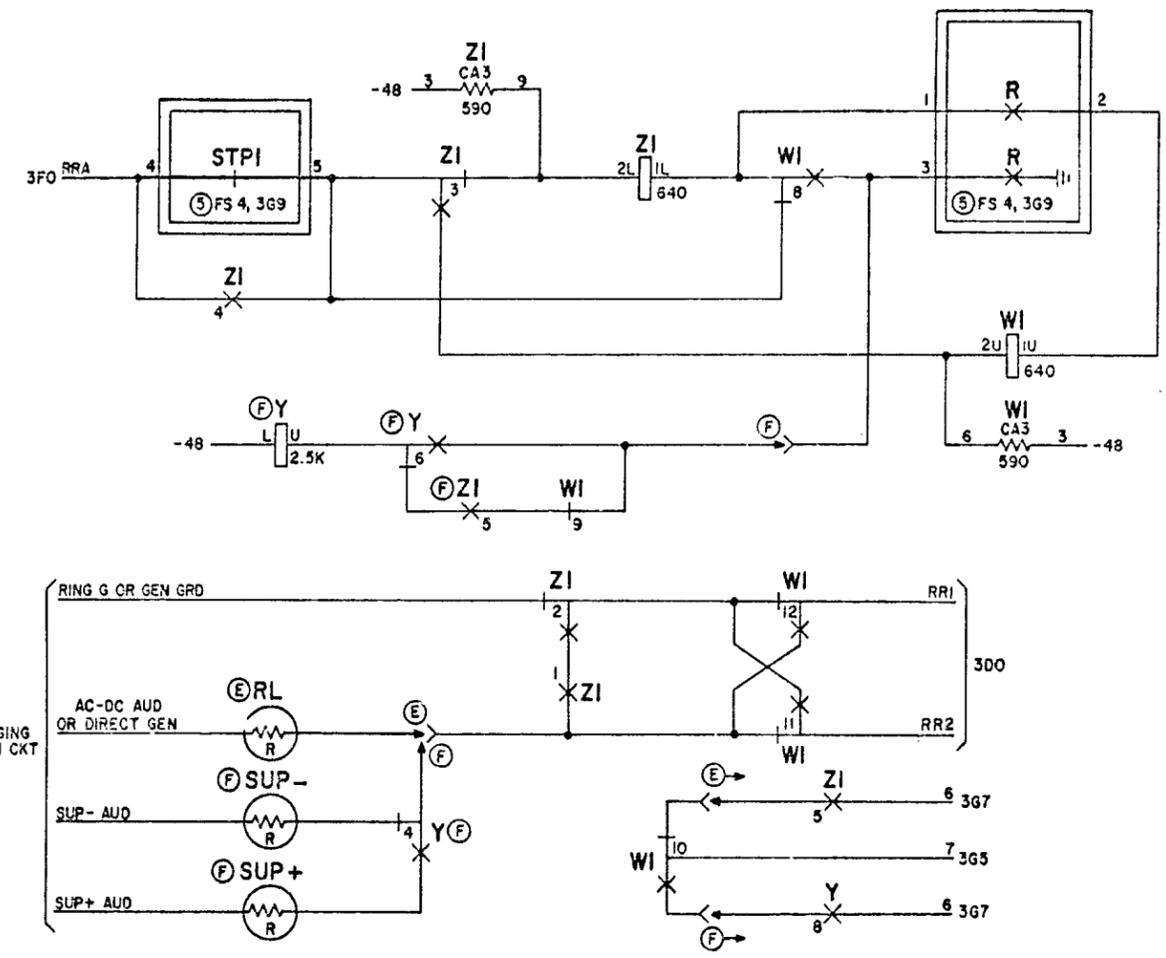


SD-35004-01-B3

TRUNK CIRCUIT	②	SD-35004-01-B3
BELL TELEPHONE LABORATORIES INCORPORATED	6S	

**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

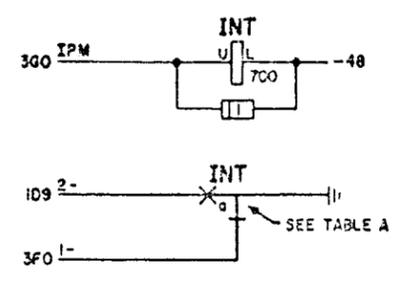


TABLE A

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

SD-35004-01-B4

ISSUE

TRUNK CIRCUIT

BELL TELEPHONE LABORATORIES INCORPORATED

SD-35004-01-B4

6S

# APP FIG. 1

RELAY																								
A					B					C					CO					D				
DESIG	LOC	CODE	DESIG	LOC	CODE	DESIG	LOC	CODE	DESIG	LOC	CODE	DESIG	LOC	CODE	DESIG	LOC	CODE	DESIG	LOC	CODE				
AJ66					AG16					AG27					AF79					AJ110				
12	B	IG1										EM8						M	IF8					
11												EM9	IC5					M	IF7					
10	M	IB5																						
9																								
8	B	IA3										EM9	IE2					EM9	IC6					
7																								
6												EM9	IE1					EM9	IG3					
5																								
4																								
3																								
2	M	IE1										EM9	IG4					M	IF2					
1																								
COIL		IC1																		COIL				

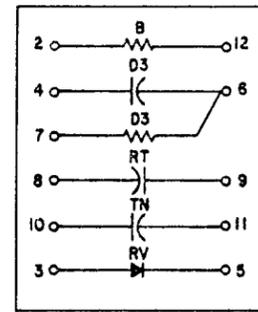
RELAY																				
F					L					P					RV					
DESIG	LOC	CODE	DESIG	LOC	CODE	DESIG	LOC	CODE	DESIG	LOC	CODE	DESIG	LOC	CODE	DESIG	LOC	CODE	DESIG	LOC	CODE
AJ118					AJ110					AJ35										
12																				
11																				
10																				
9																				
8																				
7																				
6	B	IO4																		
5																				
4																				
3																				
2																				
1																				
COIL		IC5																		COIL

**CIRCUIT PACK (TIMER)**

DESIG	LOC	CODE
TR	IG6	D3

**COMPONENT ASSEMBLY**

ED-35010-( ), GR 2 E/W



**DESIG**

CAI

**CAPACITORS**

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

**DIODES**

DESIG	LOC	CODE
RV	IG2	446F

**RESISTORS**

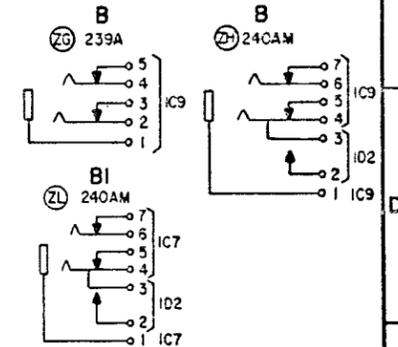
DESIG	LOC	CODE
B	IC3	KS-14803, LIAD, 511
D3	IG4	147A, 4.02 MEG

**CAPACITORS**

DESIG	LOC	CODE
T	IB2	437E
R	IC2	

**JACKS (TEST)**

DESIG	LOC	CODE
A	IC1	534C



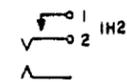
RELAY																				
RC																				
DESIG	LOC	CODE																		
AG33																				
12																				
11																				
10																				
9																				
8																				
7																				
6																				
5																				
4																				
3																				
2																				
1																				
COIL																				COIL

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

**KEY**

547A

ACO



**LAMPS**

DESIG	LOC	CODE
AL	IF8	MI

SD-35004-01-C1

ISSUE 4B

TRUNK CIRCUIT

SD-35004-01-C1

BELL TELEPHONE LABORATORIES INCORPORATED

6S

APP FIG. 2

RELAY													
DESIG													DESIG
CODE	AK30												CODE
OPTION	CONT	LOC	OPTION										
12									M	IE6			12
11									EM	IE3			11
10									EM	IF5			10
9									EM				9
8									EM	IE7			8
7													7
6													6
5								EM					5
4								EM	IE6				4
3								EM	IE5				3
2								EM	IF4				2
1								M					1
COIL									IE5		IE7		COIL

RESISTORS

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

APP FIG. 3

LAMP		
DESIG	LOC	CODE
R	IA5	I3D (RES)

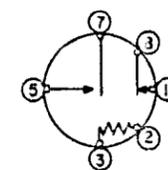
APP FIG. 4

RELAY													
DESIG													DESIG
CODE	AK4												CODE
OPTION	CONT	LOC	OPTION										
12									M	2C1			12
11									EM	2D1			11
10									EM	2D1			10
9									EM				9
8									EM				8
7													7
6													6
5								EM	2A1				5
4								EM					4
3								EM					3
2								EM					2
1								M	2C1				1
COIL									2C1				COIL

SOCKET

DESIG	LOC	CODE
TH		KS-13364, L3

THERMAL TIME DELAY RELAY



DESIG	TH
CODE	KS-13364, L20
OPTION	
8	2C1
7	2D1
6	
5	2D1
4	
3	2A1
2	2A1
1	2C1

SD-35004-01-C2

ISSUE 2A

TRUNK CIRCUIT	②	SD-35004-01-C2
BELL TELEPHONE LABORATORIES INCORPORATED	65	PRINTED IN U.S.A.

APP FIG. 5

RELAY																	
DESIG	AI										DI						DESIG
CODE	AJ56										AQ38						CODE
OPTION	CONT	LOC	OPTION														
12			B	3E8													12
11																	11
10			M	3F8													10
9																	9
8			B	3E8								M	2C9				8
7												B					7
6												M	2F6				6
5																	5
4												M	2F9				4
3																	3
2			EM	3D8													2
1																	1
COIL				3D5									2F6				COIL

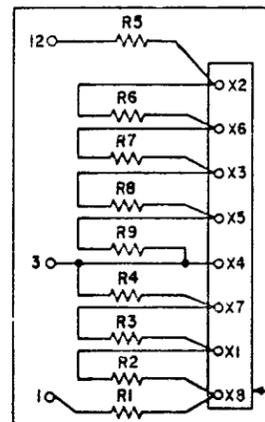
RELAY																		
DESIG	R										RCC						T2	DESIG
CODE	AJ9										AK46							CODE
OPTION	CONT	LOC	OPTION															
12																	12	
11																	11	
10																	10	
9																	9	
8																	8	
7																	7	
6																	6	
5																	5	
4																	4	
3																	3	
2																	2	
1																	1	
COIL																	COIL	

CIRCUIT PACKS

DESIG	LOC	CODE
[1] TM1 RELAY DELAY TIMER CP6	2C5	ED-99514(1) SD-99361-01

COMPONENT ASSEMBLY  
ED-35010-( ), GR 3 E/W

DESIG  
CA2



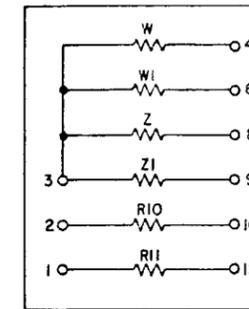
RESISTORS

DESIG	LOC	CODE
R1	2B6	505K
R2	2B6	36.1K
R3	2B7	24.3K
R4	2B7	12.1K
R5	2D6	KS-20810, LIA, 63.4K
R6	2D6	38.8K
R7	2D7	25.8K
R8	2D7	12.7K
R9	2D8	6.42K

318A TERMINAL STRIP  
(MOUNTED ON COMPONENT ASSEMBLY)

COMPONENT ASSEMBLY  
ED-35010-( ), GR 4 E/W

DESIG  
CA3

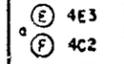


RESISTORS

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

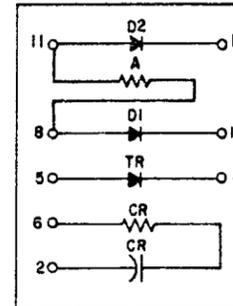
RELAY																			
DESIG	RV1				ST				STP				STPI				TR	TI	DESIG
CODE	AK49				AK4												AJ83	AF51	CODE
OPTION	CONT	LOC	OPTION																
12			M	3G3															12
11			ERM	3H4															11
10			ERM	3G7															10
9			ERM	3G1															9
8			ERM	3C7															8
7																			7
6																			6
5			ERM	3G3															5
4			ERM	3C4															4
3			ERM	3G4															3
2			ERM	3F4															2
1			M	3E2															1
COIL				3G3															COIL

RELAY																			
DESIG	W				LK				Y				Z				ZI	WI	DESIG
CODE	AK22				AK22				AF67				AF16				AK22	AK22	CODE
OPTION	CONT	LOC	OPTION																
12																			12
11																			11
10																			10
9																			9
8																			8
7																			7
6																			6
5			ERM	3F4															5
4			ERM	3C5															4
3			ERM	3H2															3
2			ERM	3H2															2
1			ERM	3E2															1
COIL				3F3															COIL



COMPONENT ASSEMBLY  
ED-35010-( ), GR 5 E/W

DESIG  
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, LICD, 72.3
CR	3E2	KS-14603, LICD, 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	
SUP-	4E1	13C (RES)
SUP+	4E1	

SD-35004-01-C3

ISSUE  
48

TRUNK CIRCUIT

SD-35004-01-C3

BELL TELEPHONE LABORATORIES  
INCORPORATED

65

APP FIG 6

RELAY					
DESIG			INT		
CCDE			AJ12		
CPT:CM	CONT	LOC	CONT	LOC	CONT
	ARR		ARR		ARR
12			EDM		
11			EDM		
10			EDM	487	
9			EDM	487	
8			EDM	487	
7			EDM	487	
6			EDM	487	
5			EDM	487	
4			EDM	487	
3			EDM	487	
2			EDM	487	
1			EDM	487	
COIL	✓		✓	487	✓

NETWORK

DESIG	LOC	CODE
INT	487	185A

SD-35004-01-C4

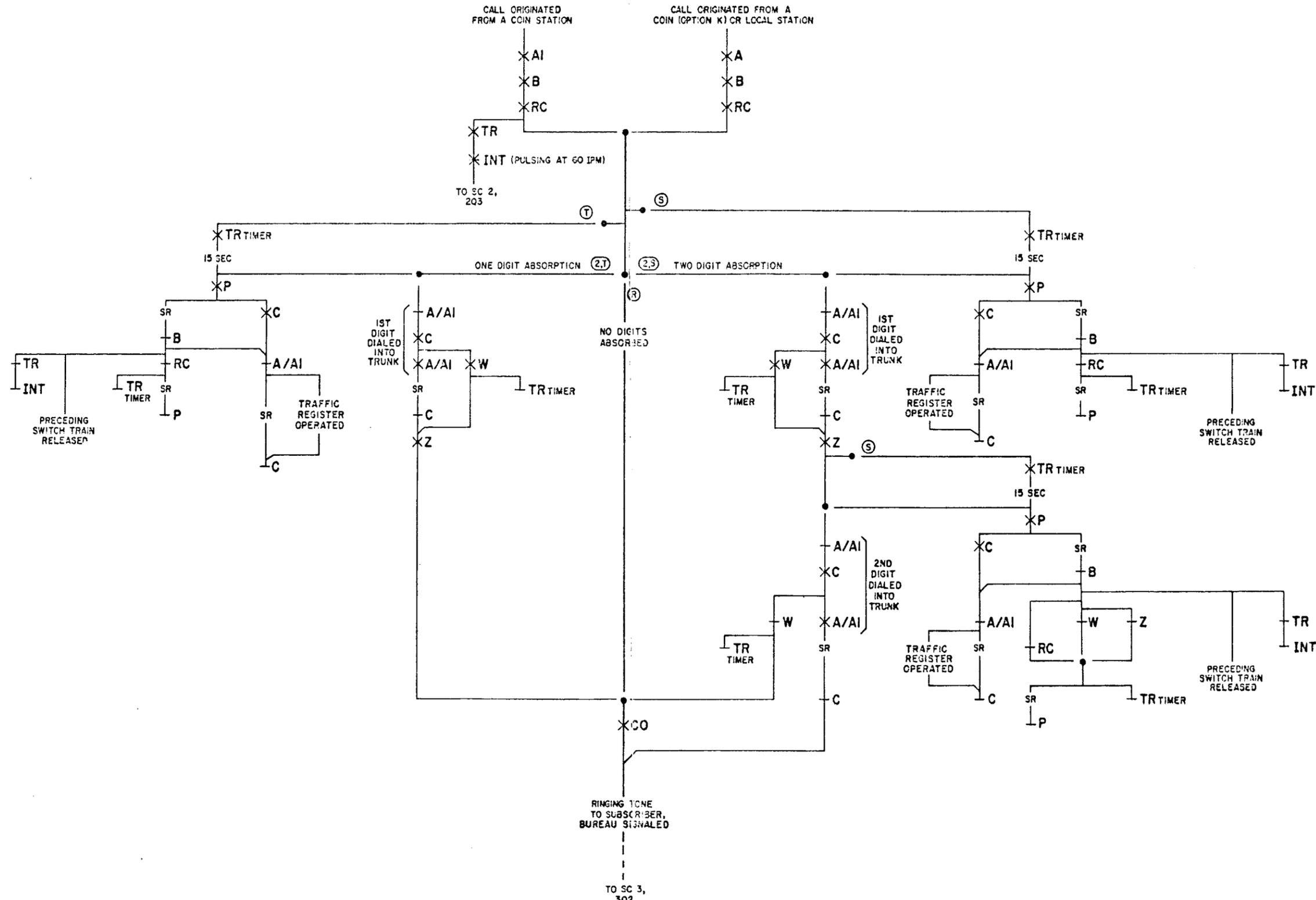
TRUNK CIRCUIT	②	SD-35004-01-C4
BELL TELEPHONE LABORATORIES INCORPORATED	6S	

ISSUE  
1



# SC 1

CALL TO BUREAU SEIZURE



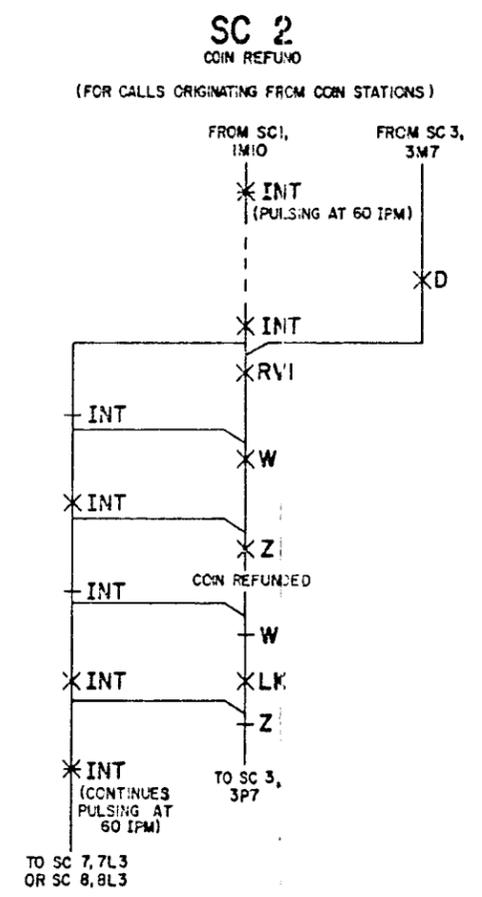
SD-35004-01-E1

ISSUE  
1

TRUNK CIRCUIT	②	SD-35004-01-E1
BELL TELEPHONE LABORATORIES INCORPORATED	6S	

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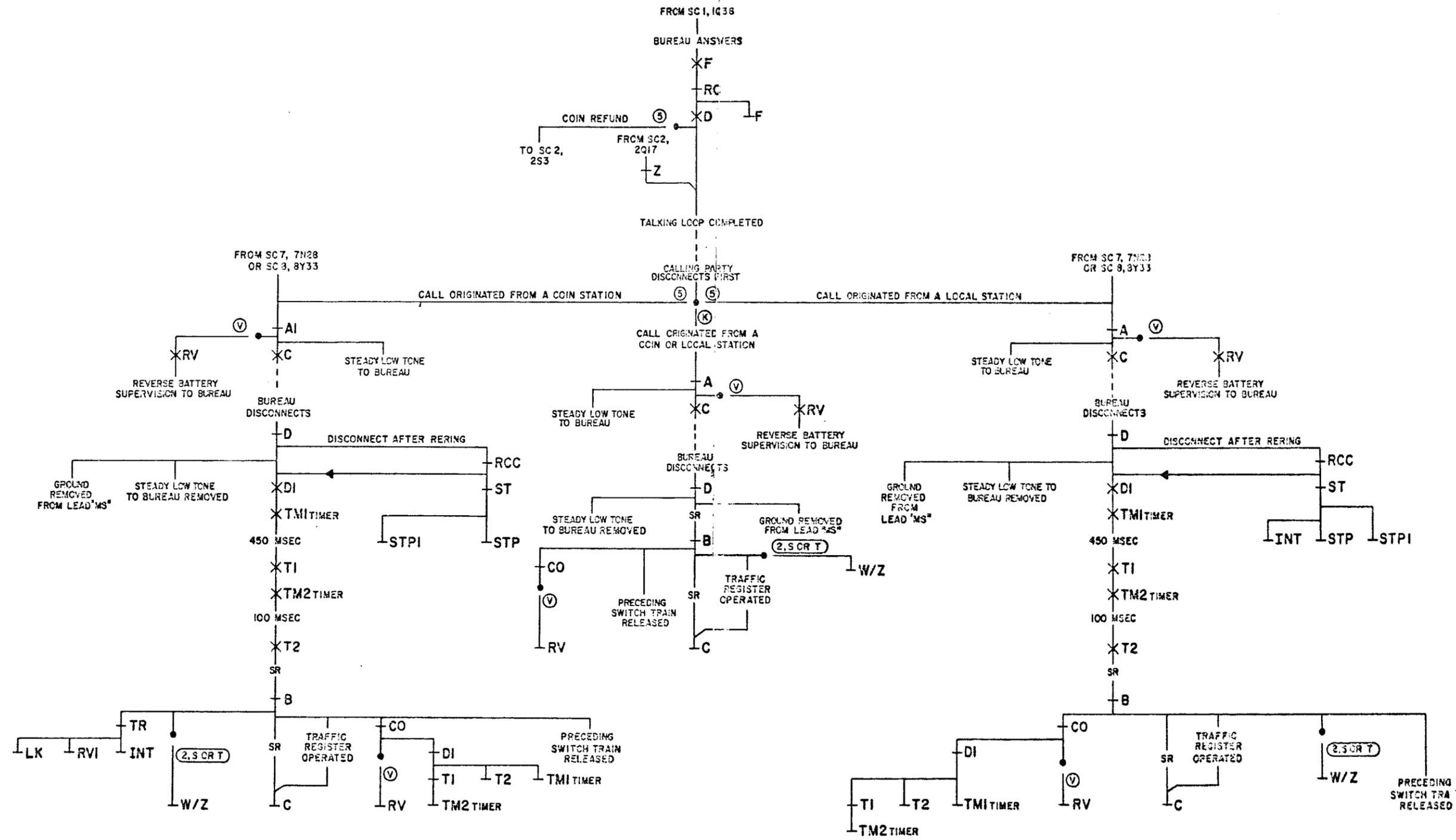
SN-35004-01-E2

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	

SC 4

CALL TO BUREAU

(CALL ORIGINATED VIA A TANDEM OFFICE, TRUNK NOT ARRANGED FOR DIGIT ASSIGNMENT, OPTION K)

SEIZURE

X A

X B

X RC

X CO

RINGING TONE TO SUBSCRIBER, BUREAU SIGNALLED

BUREAU ANSWERS

X F

RC

F

X D

TALKING LOOP COMPLETED

CALLING PARTY DISCONNECTS FIRST

A

SR

X C

B

SR

C

TRAFFIC REGISTER OPERATED

CO

X L

TO SC 10, 1003

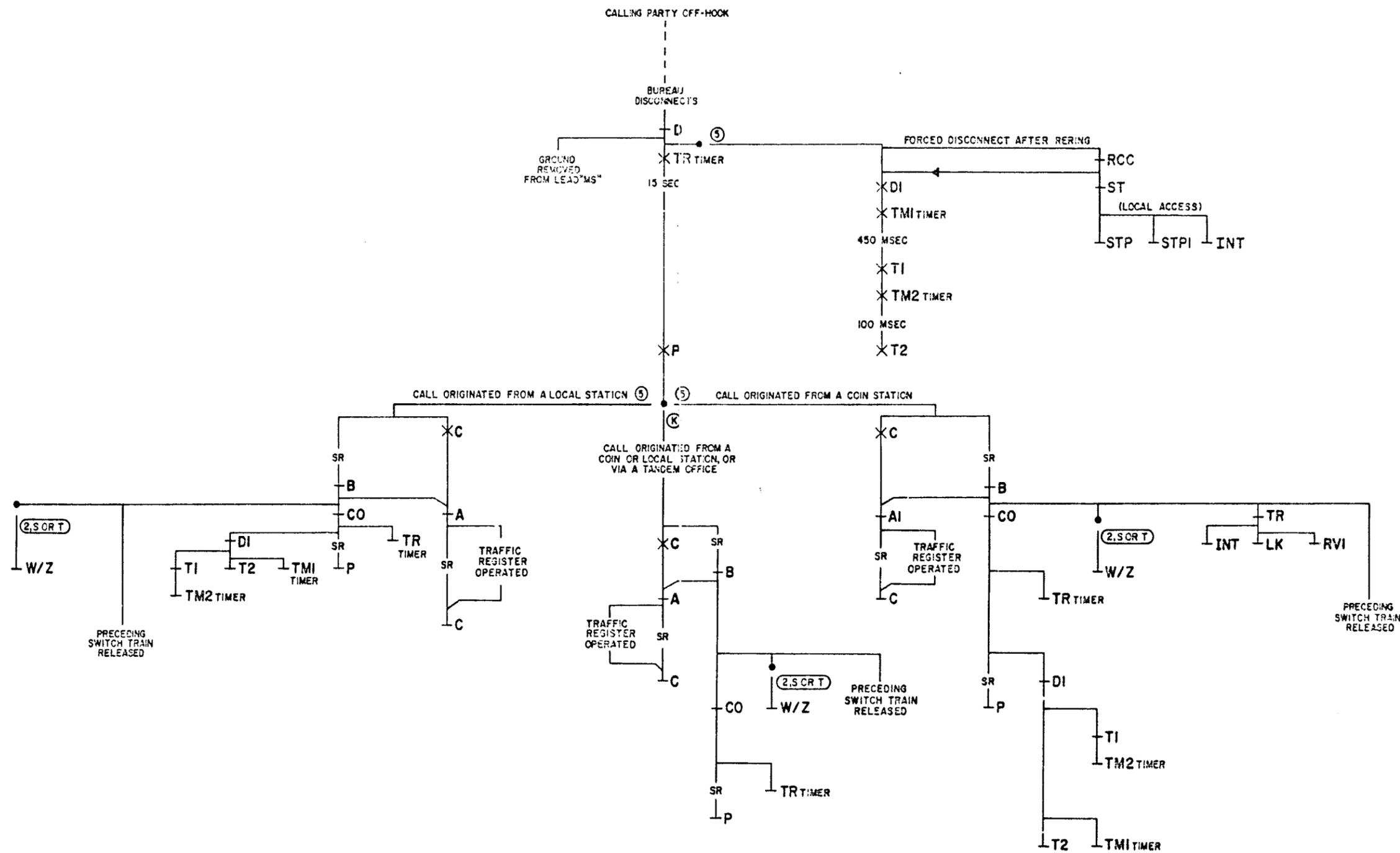
PRECEDING SWITCH TRAIN RELEASED

SD-35004-01-E4

ISSUE 58U

TRUNK CIRCUIT	②	SD-35004-01-E4
BELL TELEPHONE LABORATORIES INCORPORATED	6S	

SC 5  
DISCONNECT  
(FORCED DISCONNECT ON CALLING PARTY)



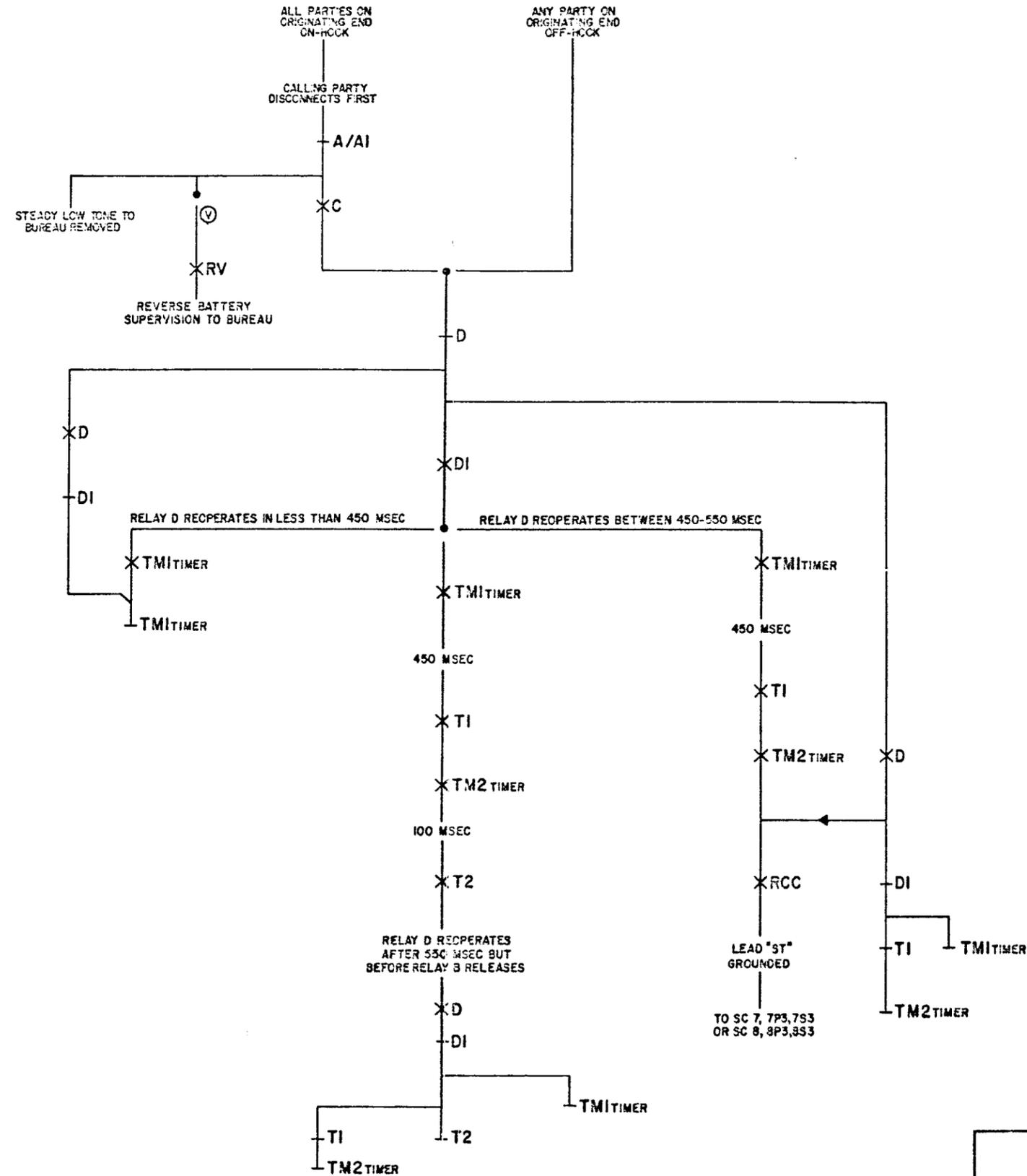
SD-35004-01-E5

ISSUE  
1

TRUNK CIRCUIT	②	SD-35004-01-E5
BELL TELEPHONE LABORATORIES INCORPORATED	6S	

SC 6

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



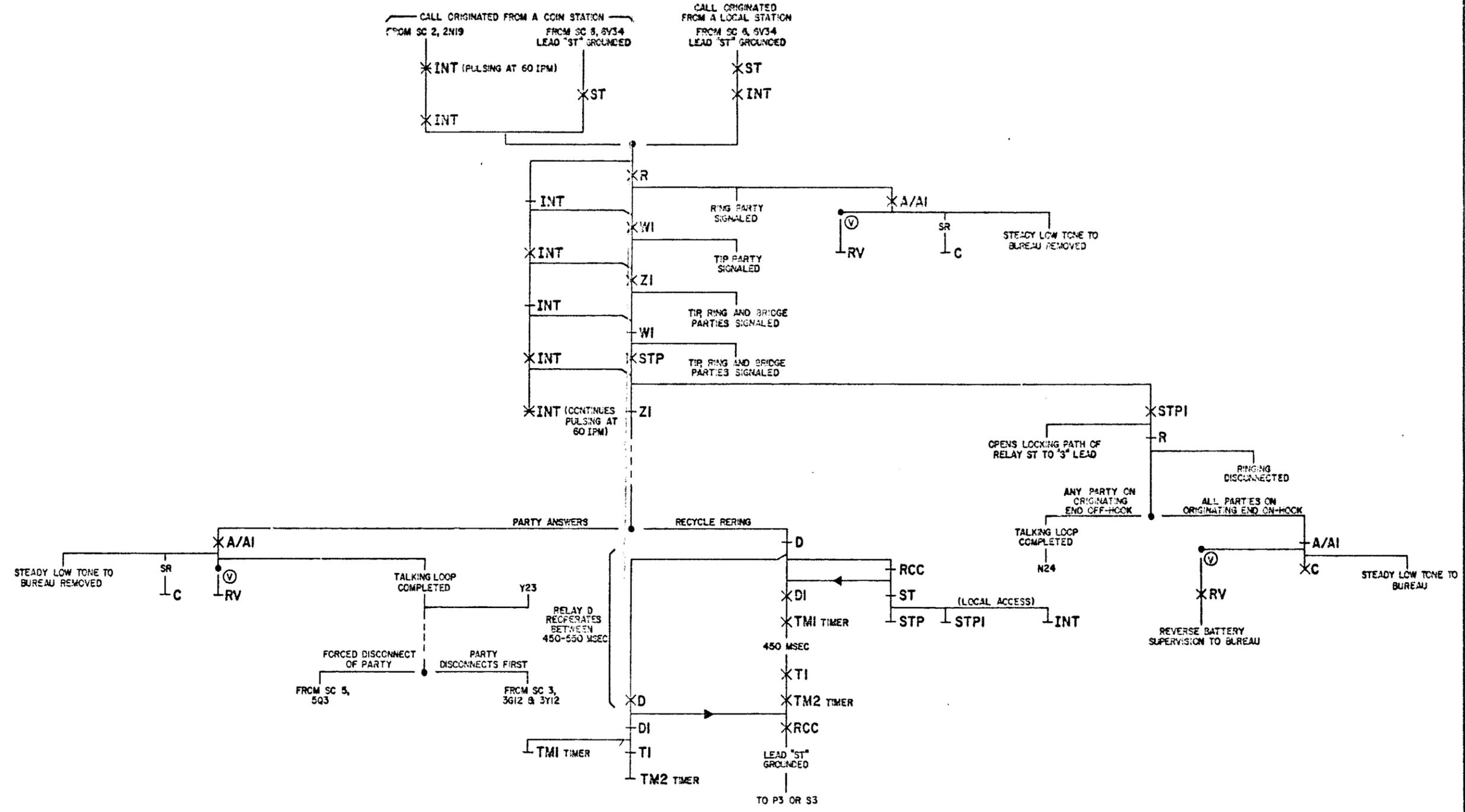
SD-35004-01-E6

ISSUE  
58U

TRUNK CIRCUIT	②	SD-35004-01-E6
BELL TELEPHONE LABORATORIES INCORPORATED	6S	

# SC 7

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



SD-35004-01-E7

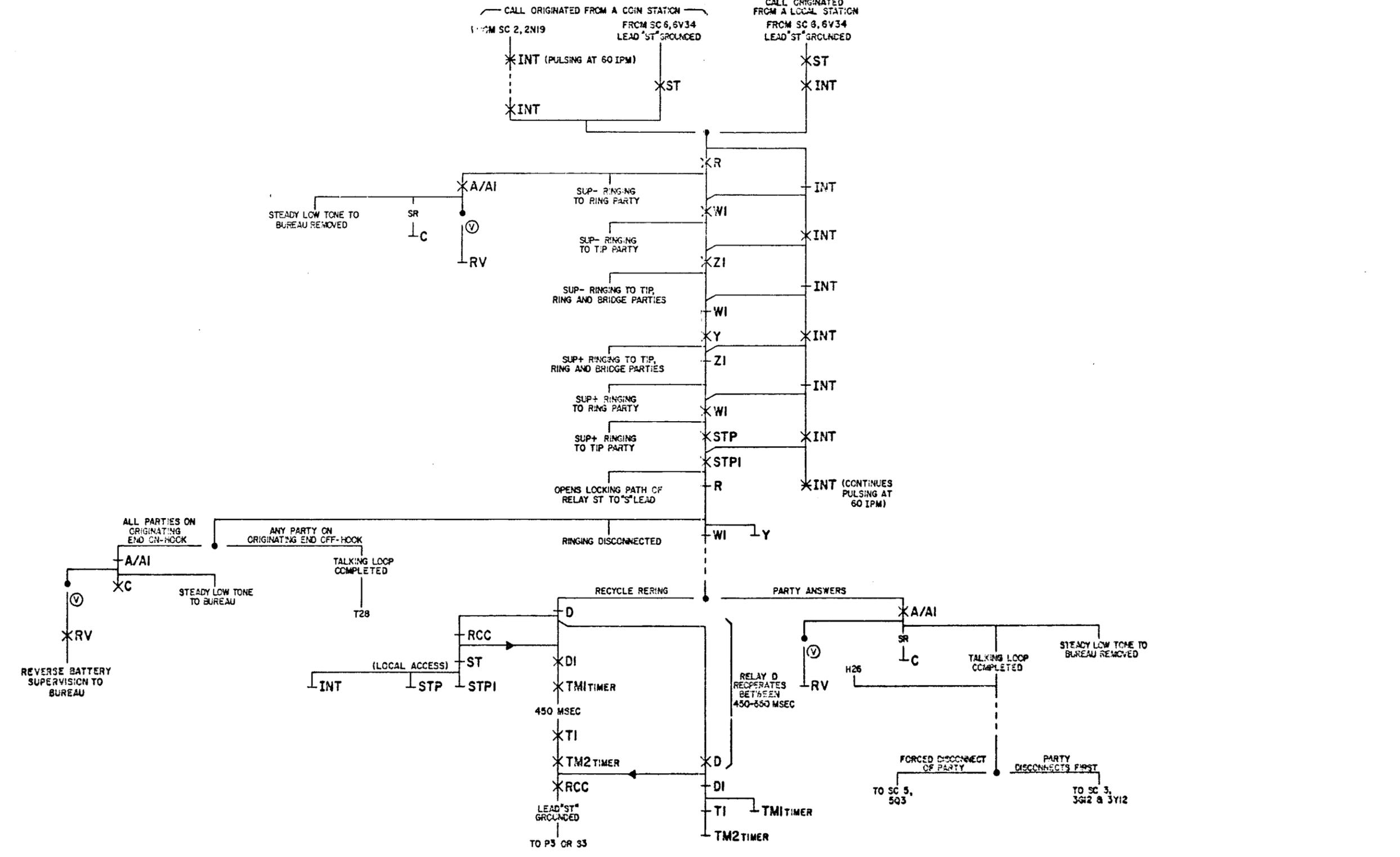
ISSUE  
5BU

TRUNK CIRCUIT	②	SD 35004-01-E7
BELL TELEPHONE LABORATORIES INCORPORATED	6S	

# SC 8

RERING

(SXS OFFICES WITH SUP-2 AUDIBLE RINGING MACHINES)



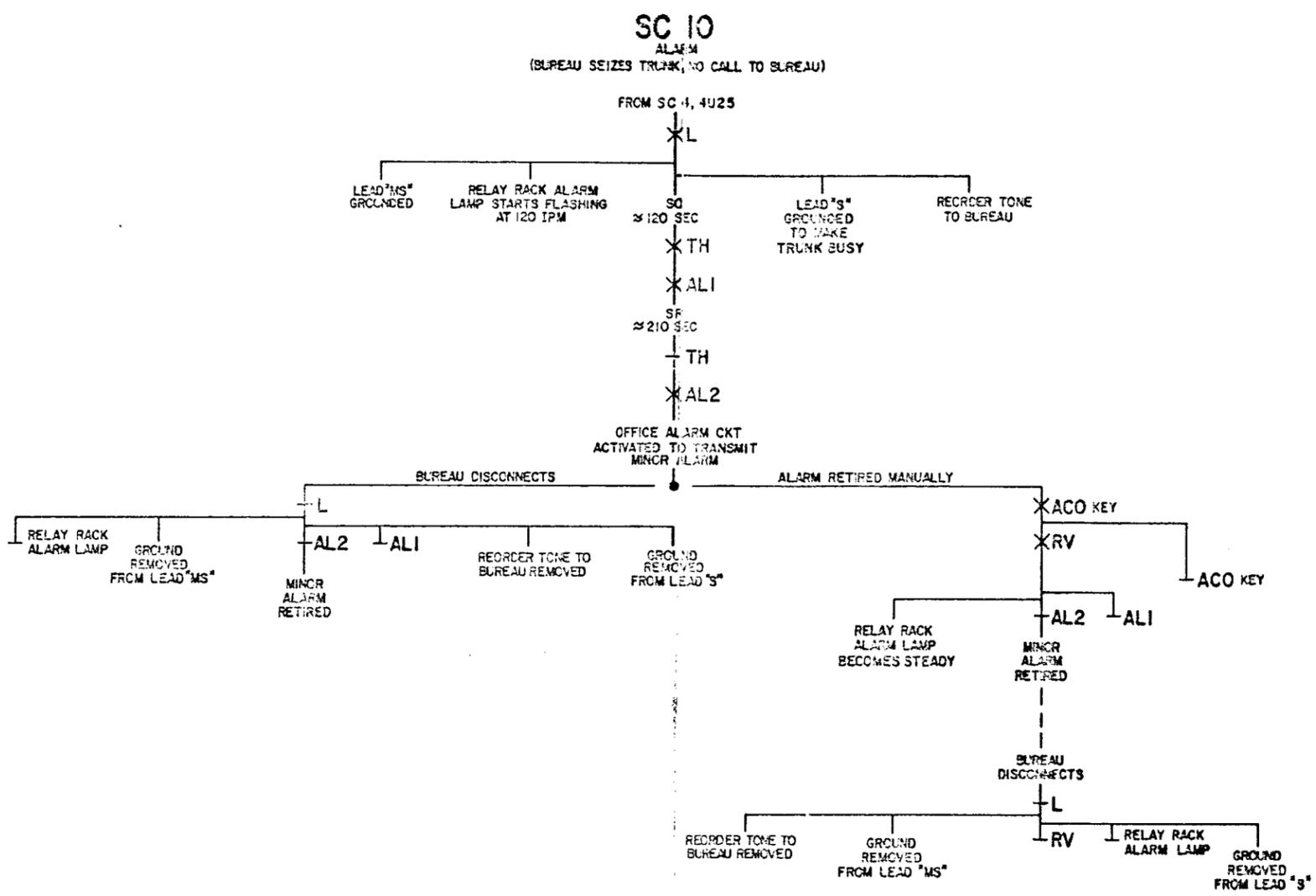
SD-35004-01-E8

ISSUE 58U

TRUNK CIRCUIT	②	SD-35004-01-E8
SELL TELEPHONE LABORATORIES INCORPORATED	6S	

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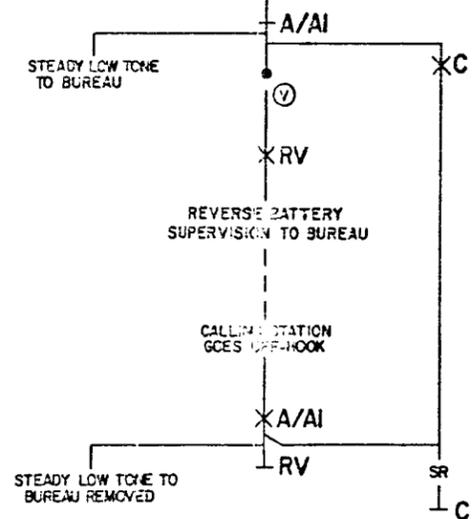
SD-35004-01-E10

ISSUE 5BU

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

SC 9

SUPERVISION ON ANSWERED CALL  
(CALLING STATION GOES ON-HOOK, CALL  
ORIGINATED FROM A COIN OR LOCAL  
STATION, OPTION J OR K)



SD-35004-01-E9

ISSUE  
58U

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

CIRCUIT REQUIREMENTS

CIRCUIT REQUIREMENTS

APPARATUS				MECH REQ			CIRCUIT PREPARATION				DIRECT CURRENT FLOW REQ					REMARKS	
DESIG	CODE	CPT	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	1		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	1/2AK4	4		202				IL (AL1)		GRD	7	B	O		11.9	11.3	MOUNTED WITH AL2
AL2	1/2AK4	4		202				IU (AL2)		GRD	7	T	O		11.9	11.3	MOUNTED WITH AL1
B	AG16	1		233B				U (B)		GRD			O	17.5	16.5		
													H	2.5	2.1		
													R	1.1	1.4		
C	AG27	1		458				IU (C)		GRD			P	34	32		
													P	4.8	4.5		
													P	2.7	3.4		
								8M(C)	2L (C)	2U (C)	B/G	2	S	49.5	45		
CO	AF79	1		205			6B(CO)	U(CO)		GRD			O	10	9.2		
													NO	4.3	4.5		
D	AJ110	1		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	1		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	1		319			4M(L)	IL(L)	2U(L)	M		P/S	O	31	20	19.5	
													R	2.9	3.2		
LK	1/2AK22	5		216				IU		GRD	6	T	O	27.5	25		MOUNTED WITH W
P	1/2AK35	1		202				2L(P)	IL(P)	B/G	4	B	O	48	31.5	30	MOUNTED WITH RV
													H	4.4	4.2		

APPARATUS				MECH REQ			CIRCUIT PREPARATION				DIRECT CURRENT FLOW REQ					REMARKS	
DESIG	CODE	CPT	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			6B(F)		U (RC)	GRD			O	30	14.7	14	
													H	2.5	2.3		
													R	1.3	1.5		
RCC	1/2AK48	5		19					IL	GRD	5,6		O	60	25.5	25	MOUNTED WITH F2
													NO	20	21.5		
													R	4.7	5		
RV	1/2AK35	1		202					IU (RV)	GRD			T	0	12.5	11.3	MOUNTED WITH P
RYI	1/2AK49	5		224					IL	GRD	6	B	O	11.9	11.3		MOUNTED WITH ST
ST	1/2AK49	5		224			10B(STPI)		IU	GRD	6	T	O	11.9	11.3		MOUNTED WITH RV
STP	1/2AK4	5		202					IL	GRD	6	B	O	11.9	11.3		MOUNTED WITH STPI
STPI	1/2AK4	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).

SD-35004-01-F1

ISSUE 48

TRUNK CIRCUIT	②	SD-35004-01-F1
BELL TELEPHONE LABORATORIES INCORPORATED	65	

CIRCUIT REQUIREMENTS

APPARATUS				MECH REQ		CIRCUIT PREPARATION				DIRECT CURRENT FLOW REQ			REMARKS			
DESIG	CODE	OPT	FIG.	BSP FIG.	CONT PRES	ARM. TRVL	TEST CLIP DATA		TEST SET PREP	SEE TEST NOTE	TEST WDG	TEST FOR		AFTER SOAK MA	FLOW REQ	
							CONN BAT.	CONN GRD							TEST MA	READJ MA
T1	AF31		5	3			(D)O	U	GRD	1, 2		0		20.3	19.5	
T2	1/2AK48		5	19			(D)O	IU	GRD	1, 2	T	0	60	25.5	25	
														20	21.5	
														4.7	5	
TR	AJ83		5	249			5W (TR)	U	GRD	2		0		13.2	12.8	
W	1/2AK30		2	202			88(Z), 113(Z)	IL (W)	GRD		B	0		23	22	
W	1/2AK22		5	216				IL	GRD	2	B	0		27.5	25	
WI	1/2AK22		5	216				IU	GRD	2	T	0		27.5	26	
Y	AF67	F	5	207				U	GRD	2		0		7.2	6.8	
Z	AF16		5	204			59(W)	U	GRD	2		0		30.5	29	
Z	1/2AK30		2	202			88(Z), 43(W)	IU (Z)	GRD		T	0		23	22	
ZI	1/2AK22		5	216			88(W)	IL	GRD	2	B	0		27.5	26	

TEST NOTES:

1. REMOVE CP 6 TIMER.
2. SEE BSP 226-160-300; METHOD OF TAKING EQUIPMENT OUT OF SERVICE.

TIMING REQUIREMENTS

APPARATUS			CIRCUIT PREPARATION				TEST SET PREP		SEE TEST NOTE	TEST FOR	TIME REQ		REMARKS
DESIG	OPTION	FIG.	BLOCK OR INSULATE	TEST CLIP DATA			SEND KEY	REC SW			MIL-SEL		
				CONN BK.	CONN R	CONN W			MIN	MAX			
T1		5	GRD	IU (D)	B (T)	MK	CC	48V	1, 2	0	440	460	
T2		5	GRD	U (T)	12M (T)	MK	CC	GRD	1, 2	0	95	105	

TEST NOTES:

1. SEE BSP 226-160-300; METHOD OF TAKING EQUIPMENT OUT OF SERVICE.
2. SEE NOTES 105 AND 302.

SD-35004-01-F2

ISSUE 1

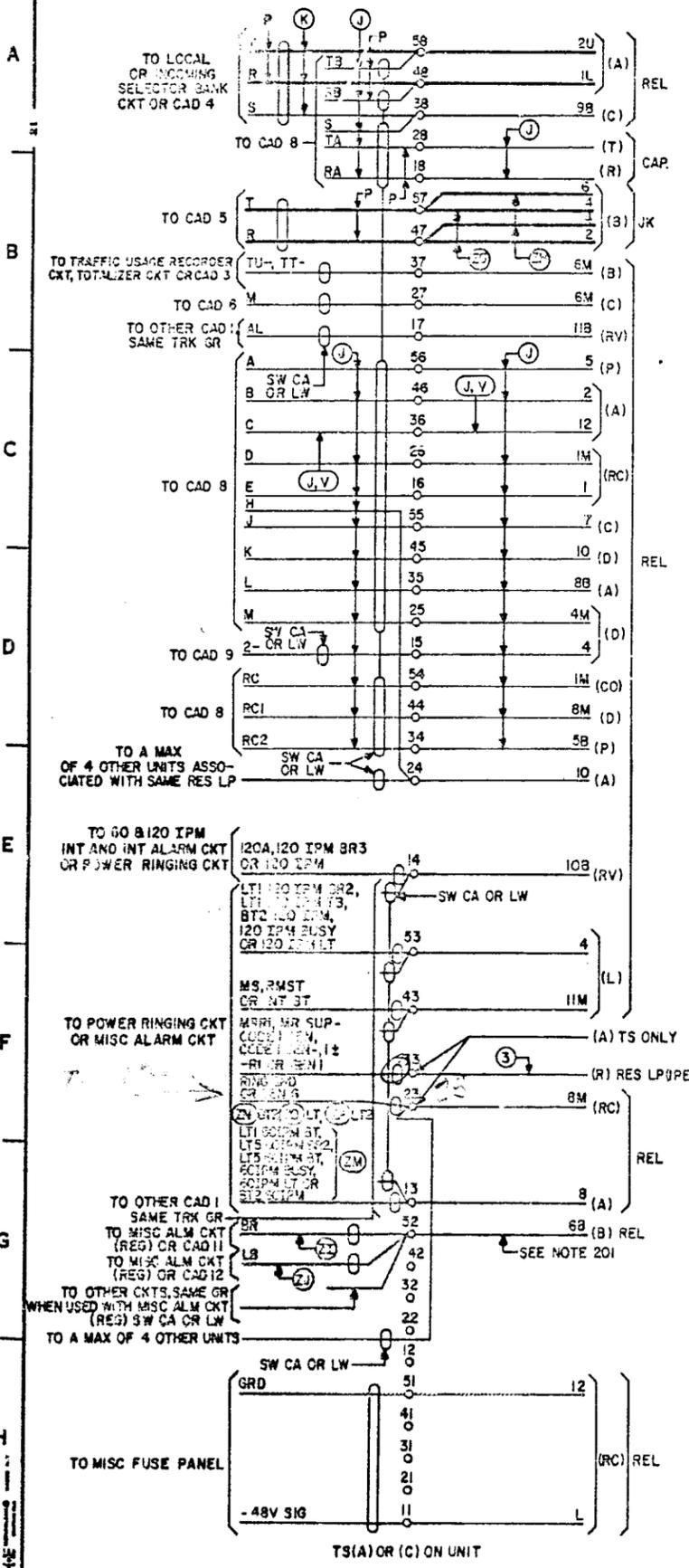
TRUNK CIRCUIT

SD-35004-01-F2

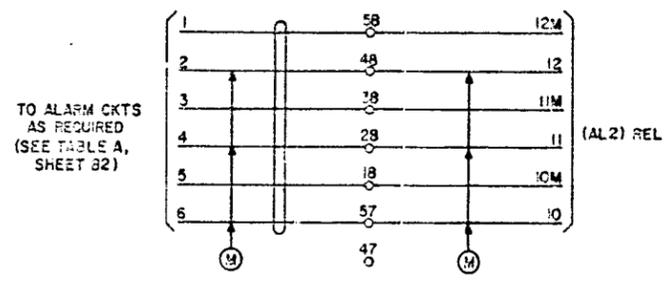
BELL TELEPHONE LABORATORIES INCORPORATED

6S

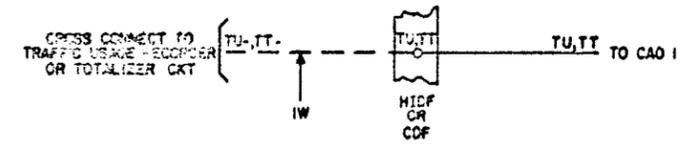
**CAD 1**  
(FOR APP FIG. 1 & 3)



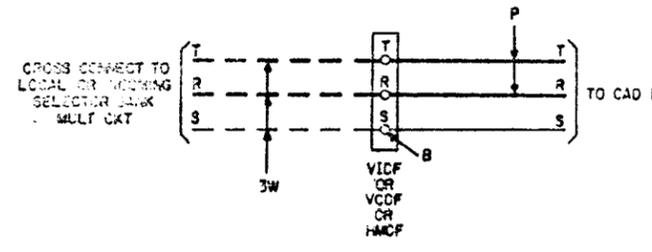
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(FOR APP FIG. 2)



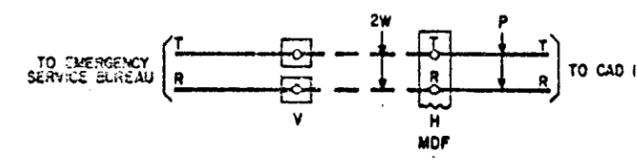
**CAD 3**  
(FOR APP FIG. 1)



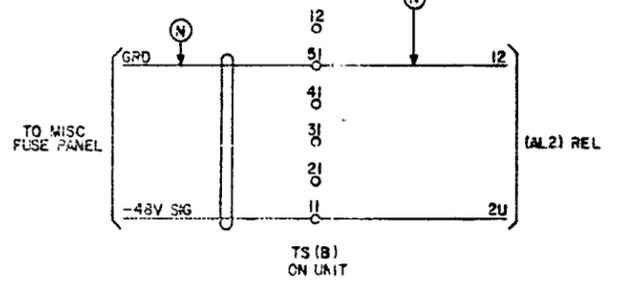
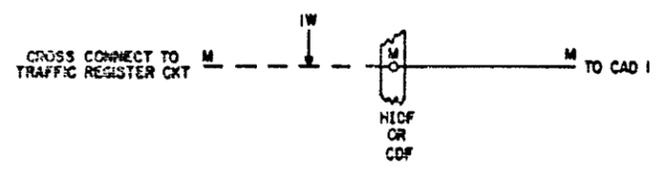
**CAD 4**  
(FOR APP FIG. 1)



**CAD 5**  
(FOR APP FIG. 1)



**CAD 6**  
(FOR APP FIG. 1)



ISSUE  
**6D**

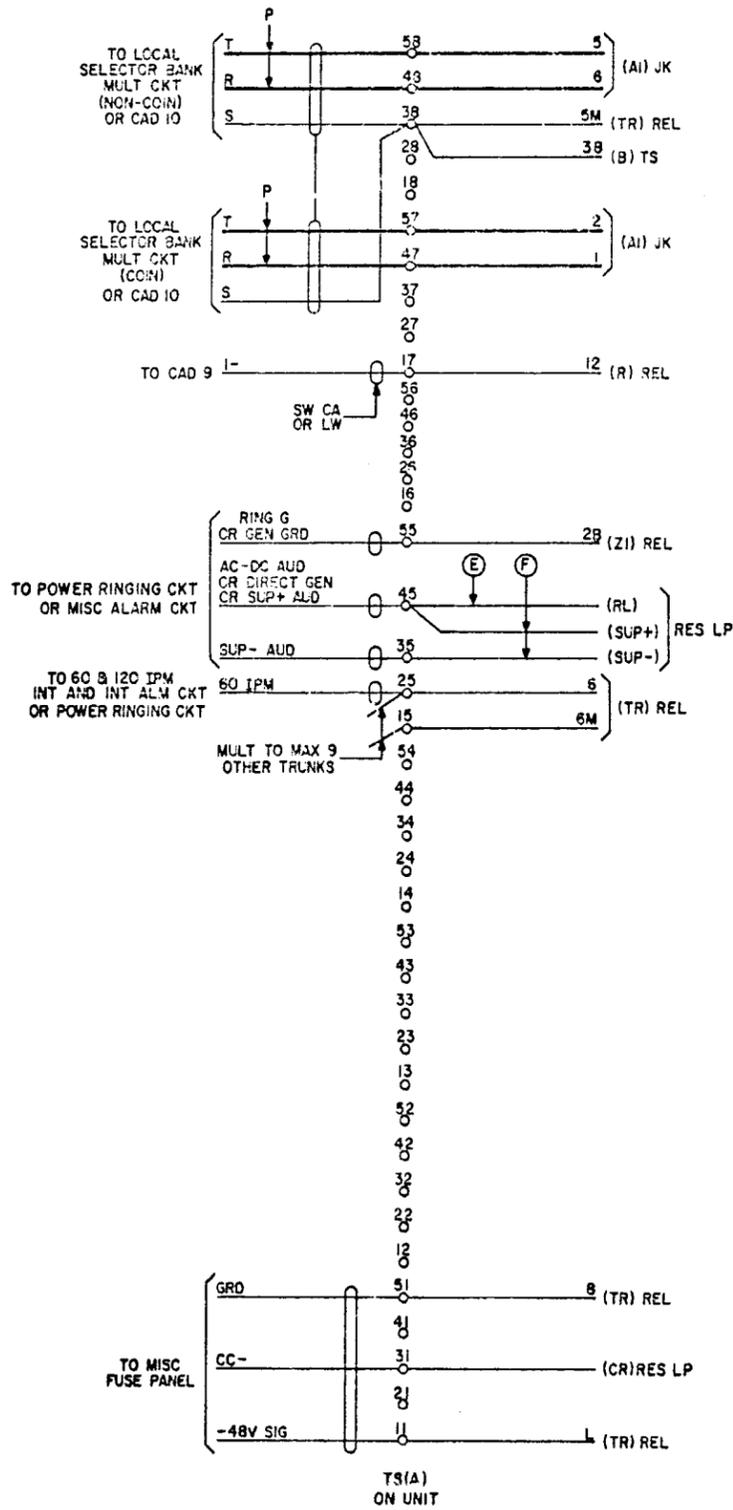
TRUNK CIRCUIT

SD-35004-01-G1

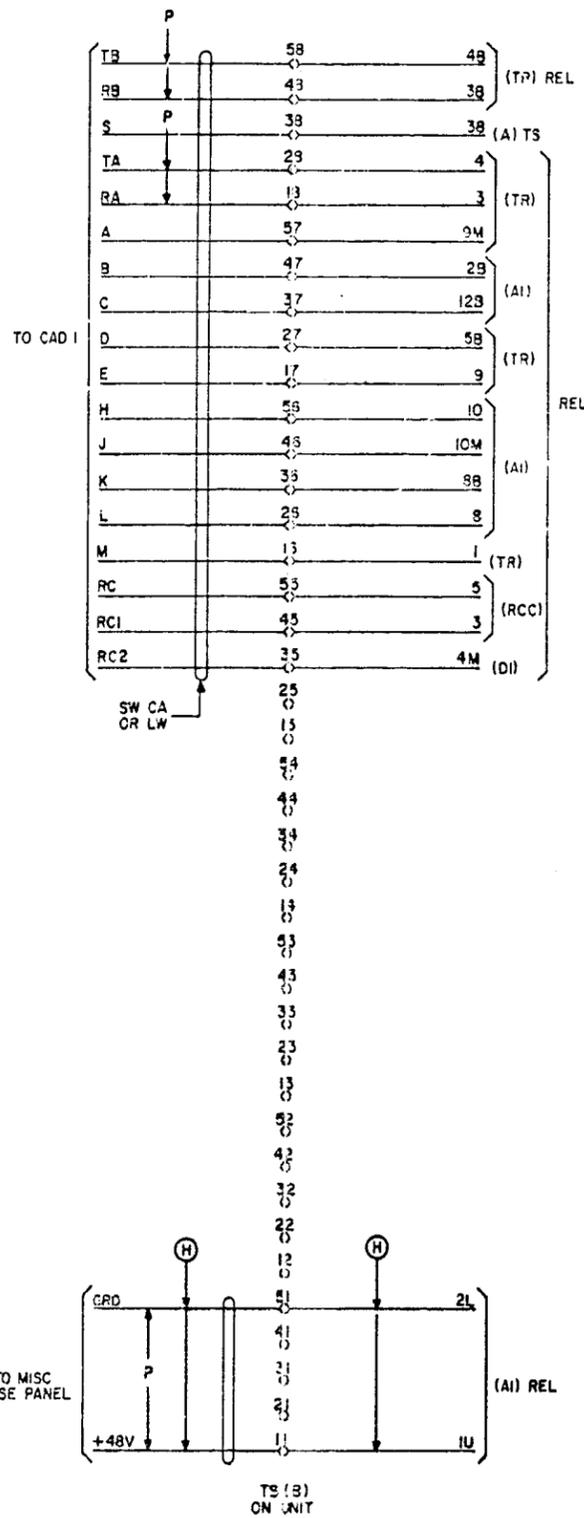
BELL TELEPHONE LABORATORIES INCORPORATED

65

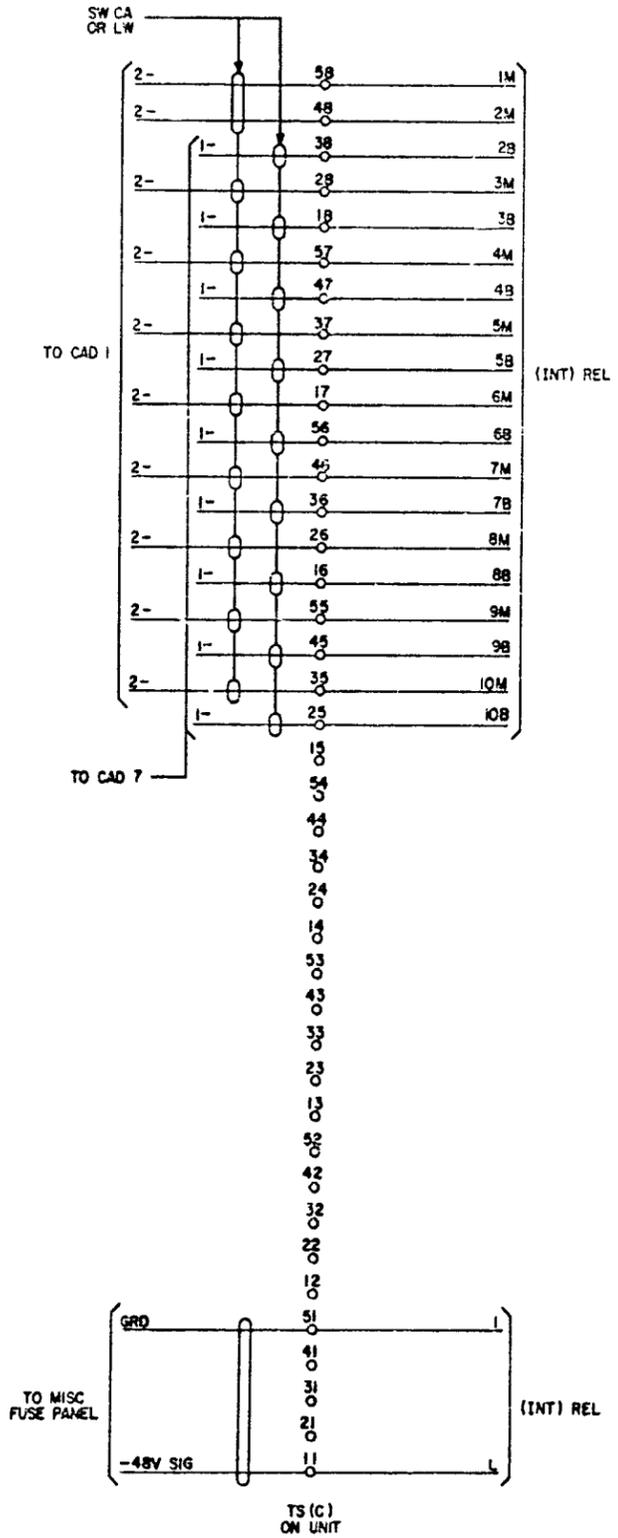
**CAD 7**  
(FOR APP FIG. 5)



**CAD 8**  
(FOR APP FIG. 5)



**CAD 9**  
(FOR APP FIG. 6)

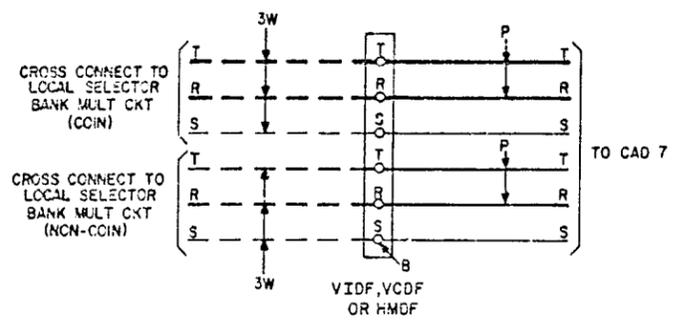


SD-35004-01-G2

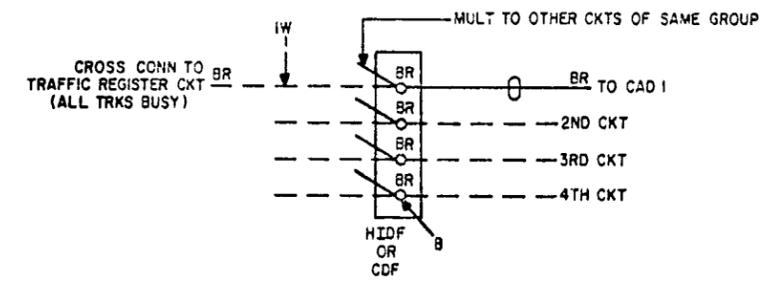
ISSUE  
**3B**

TRUNK CIRCUIT	②	SD-35004-01-G2
BELL TELEPHONE LABORATORIES INCORPORATED	6S	MADE IN U.S.A.

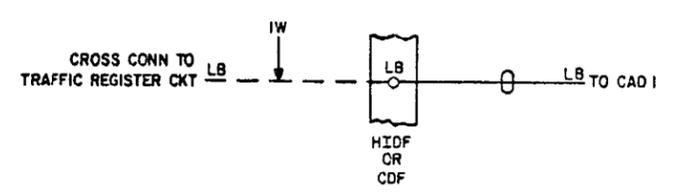
**CAD 10**  
(FOR APP FIG. 5)



**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 INCORPORATED	6S	PRINTED IN U.S.A.