

SHEET INDEX

K-E
HERCULENE® 01010
SOLUBLE AND DISPERSIBLE[illegible]

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.
CIRCUIT PACK SCHEMATIC EQUIPMENT DRAWING	SD-32371-01 ED-32385-() ED-32386-() ED-32387-() ED-32388-() J33015AF-() J33015AG-()
KEYSHEET INFORMATION	
SXS-NO. 360A DIAL OFFICE	SD-31250-01
SXS-NO. 1	SD-31359-01
SXS-350A & BR OFFICE	SD-31364-01
SXS-NO. 355A	SD-31780-01
SXS-NO. 35E97	SD-32325-01

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REPLACES SD-31592-02

ADO2

STEP BY STEP SYSTEMS
NO. 1, 350A, 355A, 360A OR 35E97
COIN TRUNK CIRCUIT

FOR USE PRECEDING A FIRST SELECTOR
SERVING COIN LINES ARRANGED FOR
PREPAY OR COINLESS ACCESS TO
SPECIFIED NUMBERS

2

SD- 32539-01-A1
25 SHEETS

AT&T-BELL LABORATORIES

DWG SIZE
65

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DWC ISSUE	CD ISSUE	DATE ISSUED	DRAMA	APPRO
/	/	1-17-72	ATL BAY	GIF MR FO
2A	1 APP 1A	6-29-73	TFO PUS CUN	CAN LOB SEB
3A	1 APP 2A	3-8-74	AVG PUS GK	CAW LCB SEB
4B	1 APP 3B	6-12-74	AVG PUS GK	CAW LCB SEB
5A	1 APP 4A	2-28-75	EC SAK GK	CAW HNS SEB
6B	2B	9-8-75	SJO CAW GK	CAW GFC FHS
7AC	2B APP 1AC	10-10-75	ROZ PUS GK	CAW GFC FHS
8AC	2B APP 2AC	3-5-76	PHG SAK AUF	CAW GFC FHS
9AC	2B APP 3AC	2-18-77	FMF SJO GK	CAW DAJ EWP
10AC	2B APP 4AC	6-10-77	FAO FAO	CAW GFC EWP
11B	2B APP 5B	5-3-78	CES PVS	RWH DAJ JDM
12A	2B APP 6A	11-3-78	CES CFH	BRS DAJ RDS
13A	2B APP 7A	11-3-78	BSH CFH PVS	BRS DAJ RDS
14B	2B APP 8B	11/2-79	LR JD	BRS DAJ PVS
15A	2B APP 9A	2/1-81	DO JSD PVS	BRS DAJ RDS
16A	3A	6/1-81	PEB JSD	RWH DAJ WEJ
17A	3A APP 1A	4/5-81	TSB OEM PVS	RWH DAJ WEJ
18A	3A APP 2B	4/1-85	EDR NAR JMB	NAR WCR GFR
19A	3A APP 3A	1-30-89		

DRAWING
ISSUE

7

LEAD INDEX

DESIG	LOCATION	
	FS	CAD
ALARM CKT		
A	2C2,4D9	
CT	2D2	
CT1	2D2	
I	2C2,4D9	
P	2B2,4F9	

DESIG	LOCATION	
	FS	CAD
INTERRUPTER & ALARM CKT		
A	2C2,4D9	
I	2C2,4D9	
P	2B2,4F9	

DESIG	LOCATION	
	FS	CAD
REGISTER & LINK CKT		
CS	4B4	

DESIG	LOCATION	
	FS	CAD
LOCAL COIN OVERTIME CHARGING CKT		
BR1	ID2	2E7,3B0
BR2	ID2	2E7,3B0
CTM	2F1	
CTMA	2B5	
CTS	2A3	
DSIA	2B5	2F6, 3E0
DS2	2F1	
DS2A		
DS4		
DS4A		
LA	IA4	
LDM	IG0	
PR1		IE0
PR2	5B1	IB0
PT1		IE0
PT2		IB0
RBS	5C2	2F6, 3E0
RBSA		
S2	IB9	
FD	IH8,2A3	2G7,3C0
REVH	IF9	2H7,3C0

ANNOUNCEMENT CKT		
R1-	2B0	ID4
R2	2B0	ID4
ST	2A0	IE4
ST1	2A0	IE4
T1-	2B0	ID4
T2	2B0	ID4

LINE FINDER CKT		
R	1D0	
S	1D0	
T	1D0	

SELECTOR CKT		
A	4A8	
R	109, 5A2	
S		
T		

COIN TRUNK TIMED RELEASE CKT		
1B	2D2	
A	2C2,4D9, 4E9	
B	2E2	
I	2C2,4D9, 4E9	

MISCELLANEOUS ALARM CKT		
A6	4E6	
MS	4E6	
PA	4E6	
PB1	4F6	
PU6	4F6	
ST	4E6	

SELECTOR REPEATER CKT		
A	4A8	
R	109, 5A2	
S		
T		

COMMON TIMING CKT		
A9	4D6	
PU9	4D6	

PERMANENT SIGNAL TIMING CKT		
PB1	4H6	

TRUNK CKT		
R	ID9, 5A2	
S		
T		

CONVERTER TRUNK CKT		
IC	4B5	

POWER SUPPLY ALARM & TIMING CKT		
PA	4G6	
ST	4G6	

TRUNK & LINE CKT		
R	ID0	IA0
S	ID0	
T	ID0	

VOICE ALARM & CONTROL CKT		
R1-	IE9,2B0	ID4, 2D6, 3A0
R2	IE9,2B0	
ST	IB9,2A0	IE4, 2D6, 3A0
ST1	IB9,2A0	
T1-	IE9,2B0	ID4, 2D6, 3A0
T2	IE9,2B0	

INTERFACE & ALM CKT FOR 13A OR 14A ANN SYSTEM		
R1-	IE9,2B0	ID4, 2D6, 3A0
R2	IE9,2B0	
ST	IB9,2A0	IE4, 2D6, 3A0
ST1	IB9,2A0	
T1-	IE9,2B0	ID4, 2D6, 3A0
T2	IE9,2B0	

13A OR 14A ANN SYSTEM CKT		
R		
R1-	2B0	ID4
R2		
T		
T1-		
T2		

AMPLIFIER CKT		
R1-	IE9	
R2	IE9	
ST	IB9	2D6, 3A0
ST1	IB9	
T1-	IE9	
T2	IE9	

OPTION INDEX (CONT'D)

APP OR WRG	RATED ON ISSUE	SEE NOTES	LOCATION
ZA	MD 8AC		APP FIG 1, SH JI
ZB	STD 8AC		APP FIG 1, SH JI
ZC	STD 8AC		IG1, IE5
ZD	STD 8AC		IG1, IE5, APP FIG 1
ZE	STD 8AC		IC1, 2D4, 2E1, 2E5, 2F4, 4C2, IE0
ZF	STD 9AC	308	2F4
ZG	STD 9AC	308	2F4
ZH	STD 10AC	102, 106	IB3, 2B6
ZJ	STD 10AC		IB3
ZK	STD 14B		IC1, EO, FQ, F2, 2D1, D4, EI, FI
ZL	STD 14B		2E1, FI
ZM	STD 14B		2E3
ZN	STD 14B		2E3
ZO	MD 14B	105	IHI
ZP	STD 14B	105	IHI
ZQ	STD 14B		2B3
ZR	STD 14B		IC2, C3, 2B3

OPTION INDEX

APP OR WRG	RATED ON ISSUE	SEE NOTES	LOCATION
2	STD 1	102	APP FIG. 2, 1A5, IB4, IH1, 3A0, 1-3E0, 1, 3F5, 3H0, 3H4, IA6, IG1, 2C7, 2E8, 2F8
3	STD 1	102	APP FIG. 3
4	STD 1	102	APP FIG. 4, 3B8, 2B6, 2B7, 2G4, 2H4
5	STD 1	102	APP FIG. 5
6	STD 1	102	APP FIG. 6
7	STD 1	102	APP FIG. 7
8	STD 1	102	APP FIG. 8
Z	STD 1	102	1A1, 1A2, 1B1
Y	STD 1	102	1A1, 1A2, 1B1, 1B2, 1B3
X	STD 1	102	APP FIG. 1, 1A1, 1A2, 1B1, 1B2, 1B3
W	STD 1	102	2D3, 2E3
V	STD 1	102	2D3, 2E3
T	STD 1	102	4E8
S	STD 1	102	4E8
R	STD 1	102	APP FIG. 1, 4A8
Q	STD 1	102	4A8
N	STD 1	102	4E0, 4E1, 4E3, 4E5, 4F4
M	STD 1	102	4E0, 4E1, 4E3, 4E5, 4F4
K	MD 4B		APP FIG. 1
J	STD 4B		APP FIG. 1
G	STD 6B		APP FIG 1, IC2, C3, 2A3, EI, 5C1
F	STD 6B		APP FIG 1B2, IC1, C2, D3, EO, F2, 2A4, D4, EI, 4C2, 5C1
E	STD 6B		IC2, IF9, 2B3 2B4, 2C6, 2E2
B	STD 6B		APP FIG. 1, IB9, C2, D2, D3, 2B4, B5, C6, 2F1, 5A1
A	STD 7AC		APP FIG. 1, IA8

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(CONTINUED AT LEFT)

ISSUE

19A

COIN TRUNK CIRCUIT

2

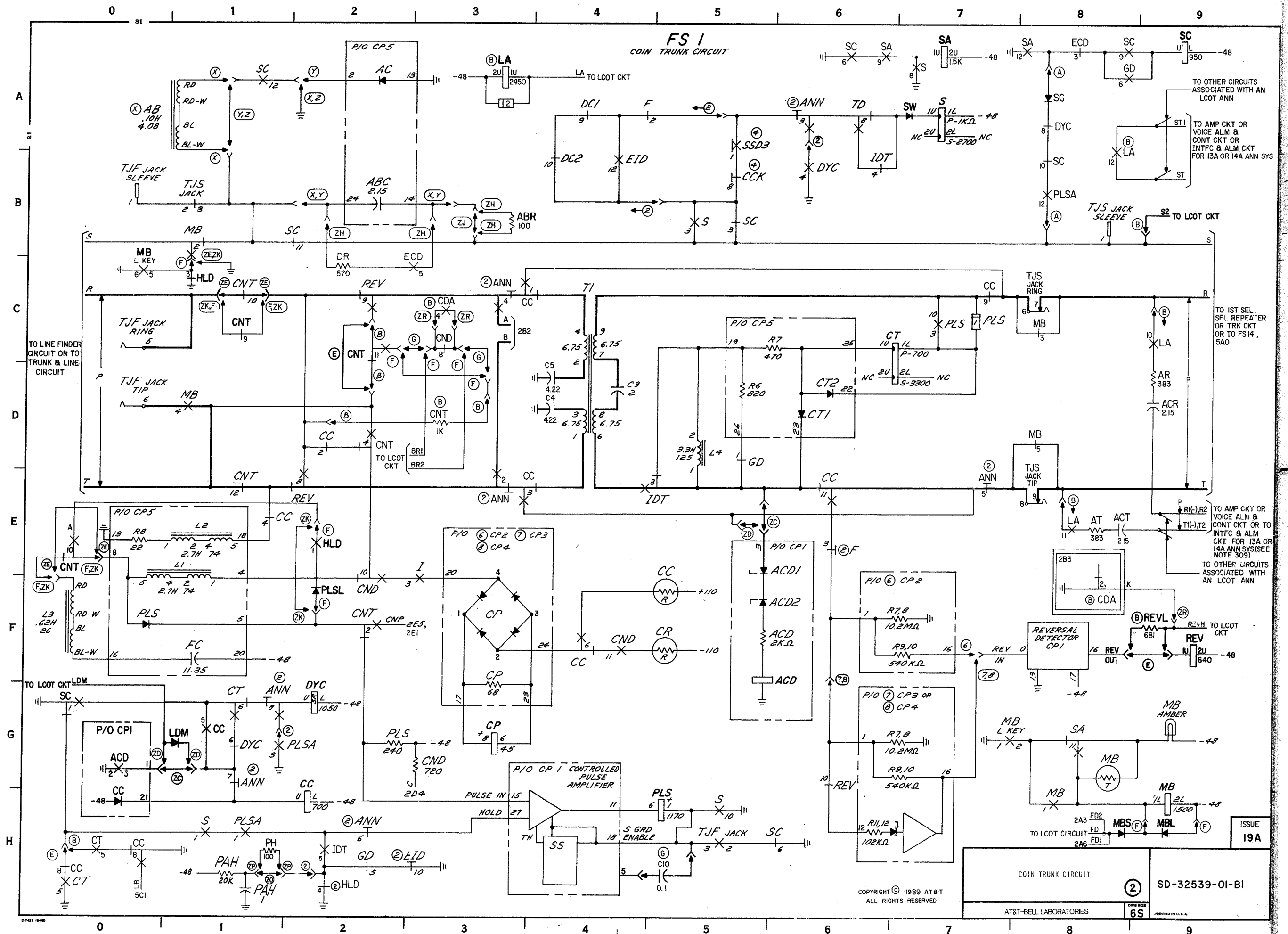
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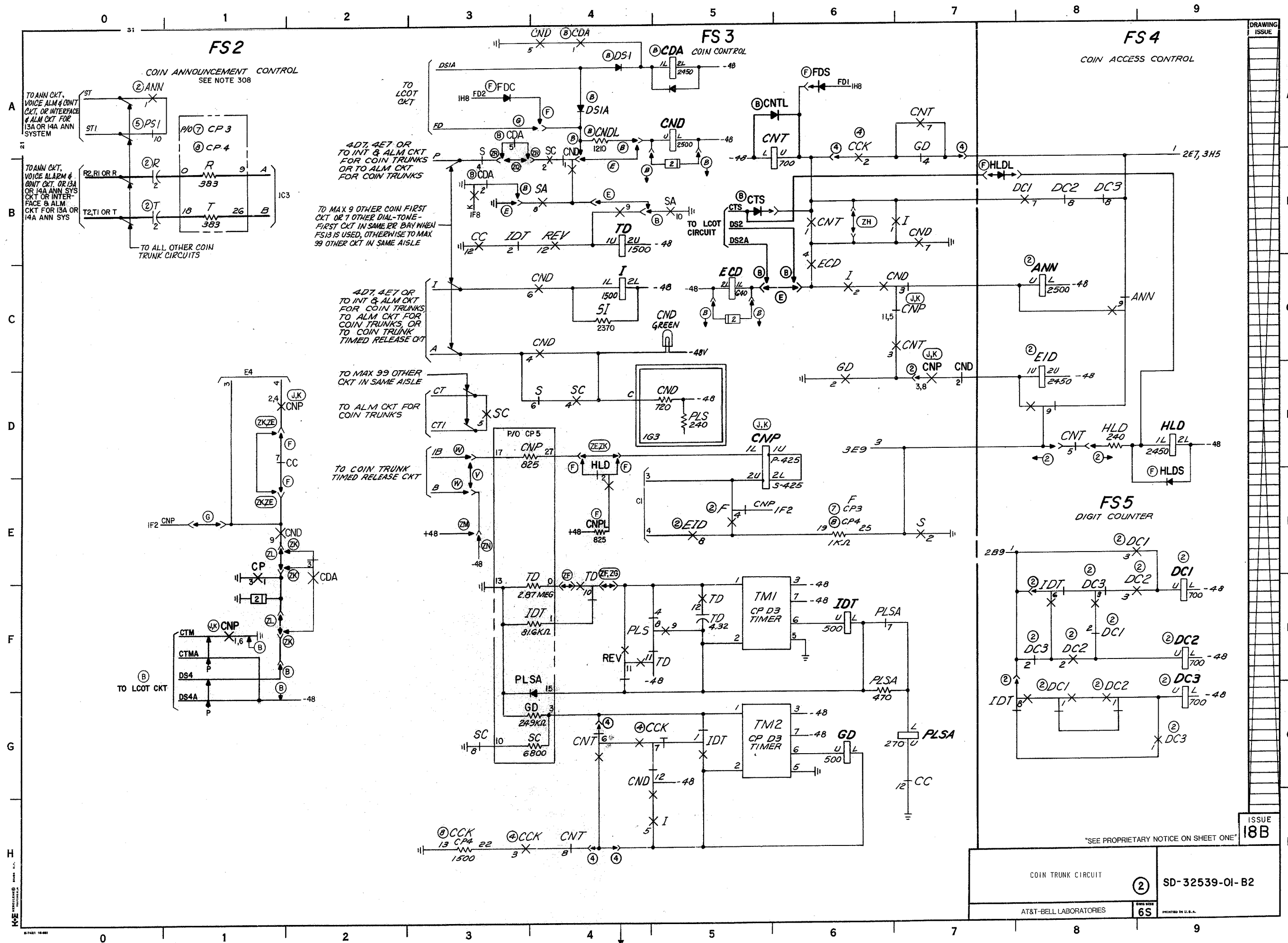
AT&T-BELL LABORATORIES

6S

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SD-32539-01-A3

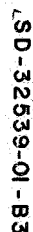




SD-32539-OI-B2

FS 6

PULSE COUNTER AND TRANSLATOR



COIN TRUNK CIRCUIT

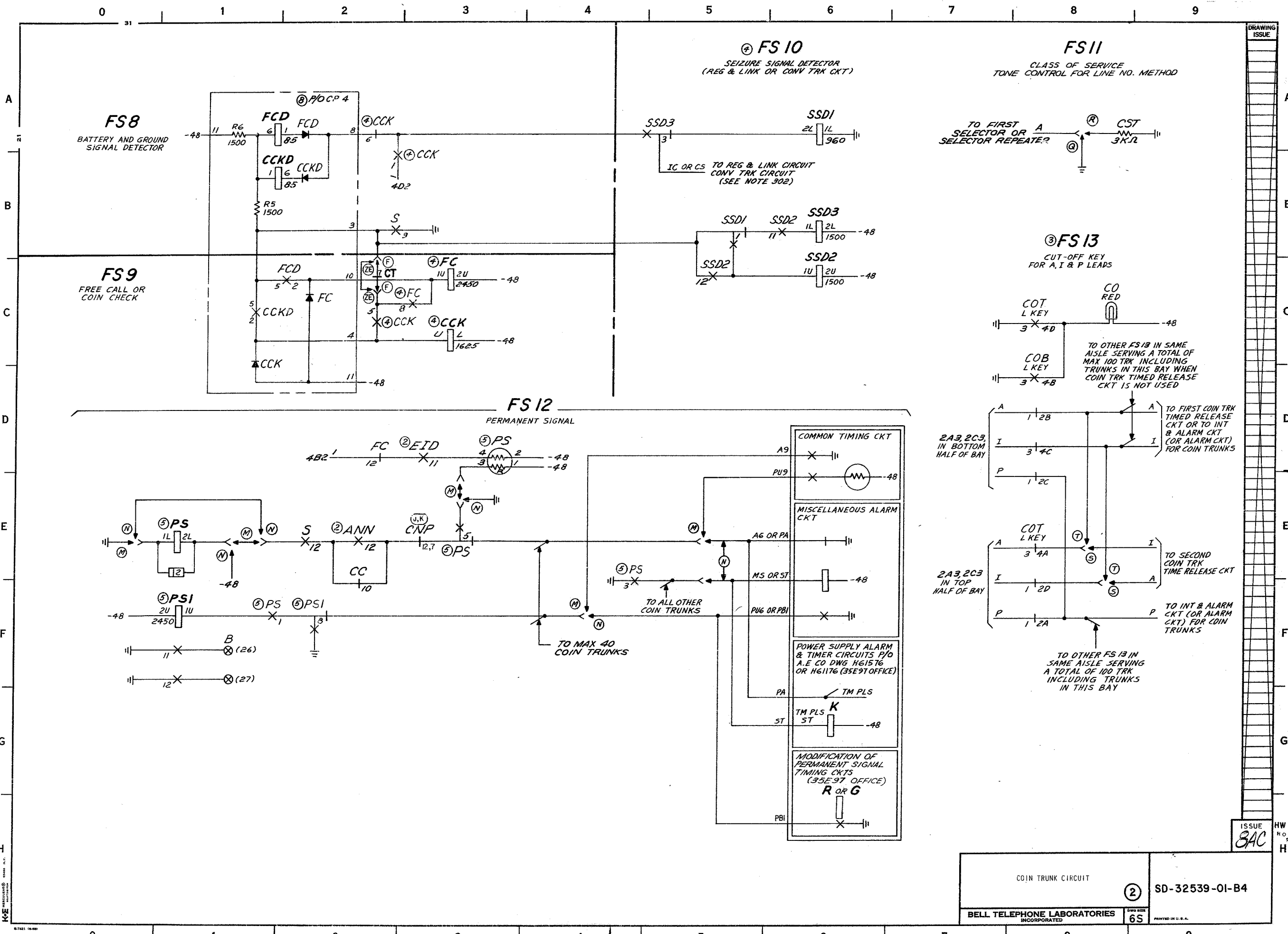
BELL TELEPHONE LABORATORIES

②

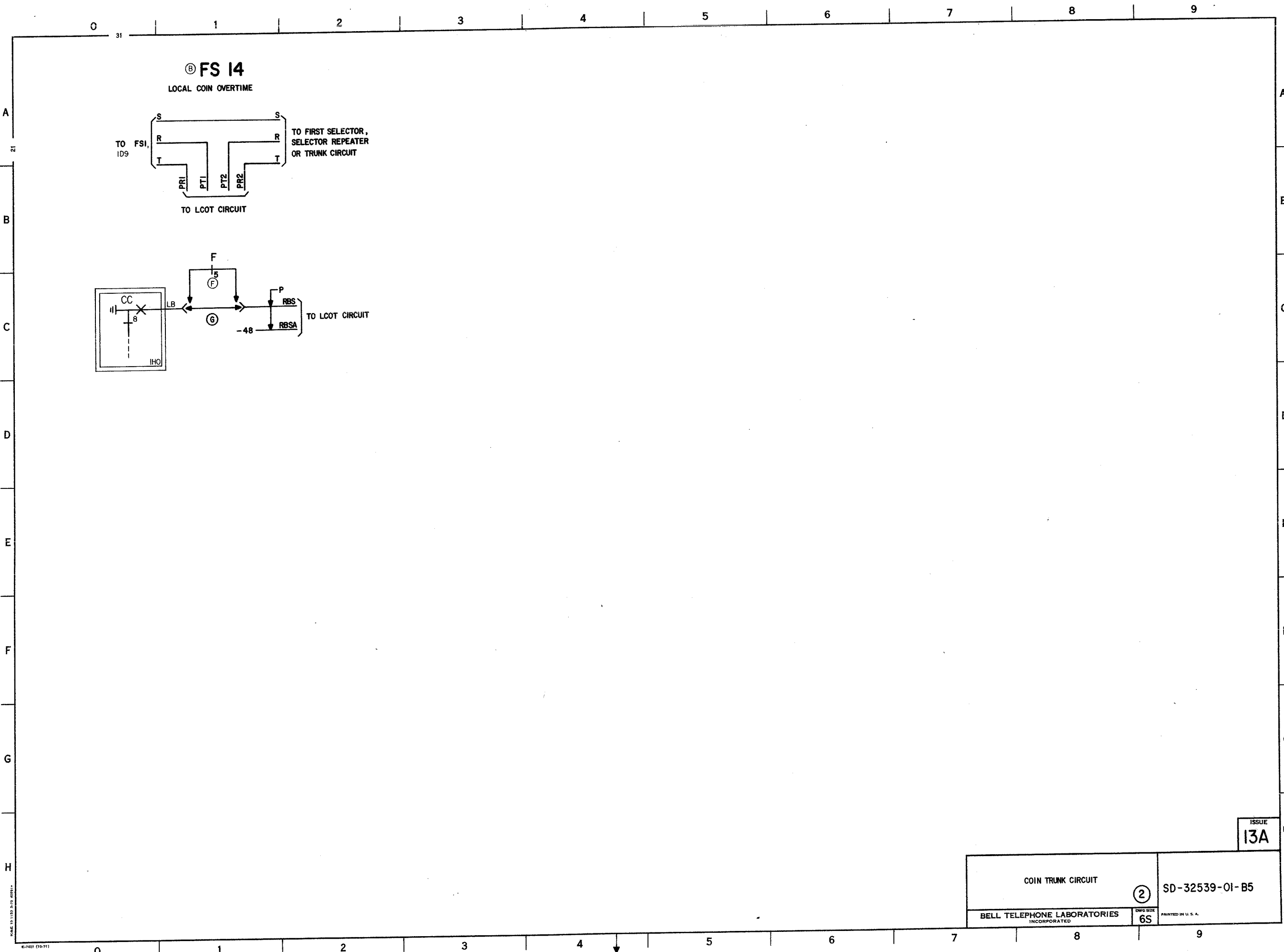
SD - 32539-01-B3

6

00000000000000000000000000000000



SD-32539-01-B4



SD-32539-01-B5

COIN TRUNK CIRCUIT		2	SD-32539-01-B5
BELL TELEPHONE LABORATORIES INCORPORATED			
6S		PRINTED IN U.S.A.	

ISSUE
13A

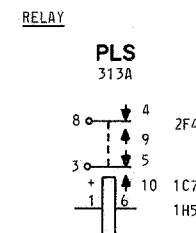
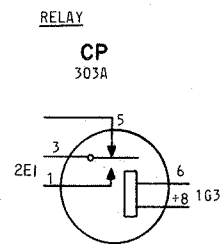
RELAY

<u>CIRCUIT PACK</u>		
<u>DESIG</u>	<u>LOC</u>	<u>CODE</u>
TM1	2F5	D3
TM2	2G5	D3

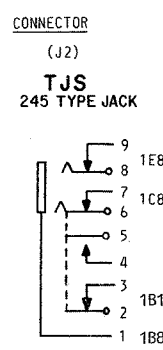
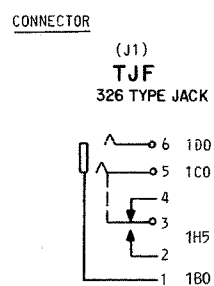
RELAY		CC		CND		CNP		CNP		CNT		CT		DYC		ECD		REV		DESIG		
CODE		AJ131		AJ125		AJ133		AJ152		AJ131		AG52		AG24								
OPTION						K		J									AK22			OPTION		
☒	CONT ARR	LOC	☒	CONT ARR	LOC	☒	LOC	☒	CONT ARR	LOC	☒	LOC	☒	CONT ARR	LOC	☒	LOC	☒	CONT ARR	LOC	☒	
12	EBM	2G7,2B3	☒	EBM	2G4	☒		B	4E3	☒		EBM	1E1	☒				☒	EBM	2B4	12	
11	EBM	1F6	☒	EBM	1F4	☒		B	2C7	☒		EBM	1C2	☒				☒	EBM	2F4	11	
10	EBM	4E2	☒	EBM	1F2	☒				☒		EBM	a	☒		M		☒	EBM	1H6	10	
9	EBM	1C7	☒	EBM	2E1	☒				☒		EBM	1C1	☒				☒	EBM	1C2	9	
8	EBM	a	☒	EBM	1C3	M	2C7			☒		EBM	2H4	☒			BM	1A8	☒	EBM	1E2	8
7	EBM	2D1	☒	BM	2B7	B	4E3			☒		EBM	2A7	BM	4C2				☒			7
6	EBM	1F4	☒	EBM	2C4	M	2F1			☒		EBM	2S4	☒	1G1		BM	1G1	☒			6
5	EBM	1G1	☒	BM	2A4	B	2C7			☒		EBM	2D8	BM	a				☒			5
4	EBM	1E1	☒	EBM	2C4	M	2D1			☒		EBM	1D2	☒			M	1B6	☒	EBM	2C6	4
3	EBM	1E3	☒	EBM	2C7	☒		M	2C7	☒		EBM	2C6	☒					☒	EBM	1A8	3
2	EBM	1D2	☒	EBM	2C7	☒		M	2E2	☒		EBM	1F2	☒					☒	EBM		2
1	EBM	1C3	☒	EBM	2A4	☒		M	2F1	☒		EBM	2B6	☒					☒	EBM		1
COIL		1G2	☒		2A5	☒	2D5	☒	2D5	☒			2A6	☒	1C6	☒		1G2	☒	2C5	1F9	COIL
a	(B) (E)	IHO IHO										a	(ZE) (F)	ICI IEO		(B) (E)	IHO IHO					

RELAY																			DESIG			
DESIG		GD		I		SA		IDT		MB		TD		PLSA		S		SC		DESIG		
CODE		AJ43		AK47						AJ43		AK47				AF515		AG39		AJ3		CODE
OPTION																				OPT 101		
☒	CONT ARR	LOC	☒	CONT ARR	LOC	☒	CONT ARR	LOC	☒	CONT ARR	LOC	☒	CONT ARR	LOC	☒	CONT ARR	LOC	☒	CONT ARR	LOC	☒	
12	EBM					N	IA8	EBM				M	2F5			BM	IB8	M	4E2	EMB	IA1	12
11	EBM					EBM	1G8	EBM				EBM	2F5			M		M		BM	1B1	11
10	EBM					EBM	2B5	EBM				EBM	2E4			BM		M	1H5	EBM	1B8	10
9	EBM					EMB	1A6	EBM				EMB	2B4					M	4B2	M	1A8	9
8	EMB					EMB	2B4	EMB	2G7			EMB	1A6			BM	3A0	EBM	1A7	EBM	2G9	8
7	EBM							EBM								B	2F6				2B4	7
6	EMB	IA8						EMB	2F8							BM	3B0	EBM	2D4	EMB	a	6
5	EMB	1H2	EMB	2H5				EMB	1H2	EMB	1D8							EBM	2B3	M	2D3	5
4	EBM	2A7	EMB					EBM	1B6	EMB	1D0					BM	3C0	EBM	2A3	EBM	2D4	4
3	EBM	3H4	EBM	1F3				EBM	1E4	EBM	1H8					M	1G2	M	2A3	EBM	2D4	3
2	EBM	2C6	EBM	2C6				EBM	2B3	EBM	1B1					BM	3E0	M	1B5	BM	1B5	2
1	EBM	1D5	M	2B6				EBM	2G5	M	1G8					M	1H1	M	1H1	BM	1G0	1
COIL	☒	266	☒	2C4	☒	IA7	☒	2F6	☒	169	☒	2B4	☒	☒	☒	2G7	☒	IA7	☒	IA9	COIL	
																			a	1H6 1A6		

RELAY									
DESIGN	CDA			LA					
CODE	AK604								
OPTION	B								
	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	
	ARR		ARR		ARR		ARR		
12			M	IB8					
11			EBM	IE8					
10			EBM	IC9					
9			EMB						
8			EMB						
7									
6									
5	EMB								
4	EMB	IC3							
3	EBM	IC2							
2	EBM	2B3							
1	M	2A4							
COIL		2A5		IA3					

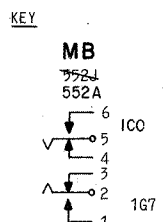


CAPACITOR			
OPT	DESIG	LOC	CODE
	C4	1D3	535GA
	C5	1C3	535GA
	C9	1D4	542F
G	C10	1H5	715C
	TD	2F5	535GH
B	ACR	1D9	535FW
B	ACT	1E8	535FW
	DIODE		
OPT	DESIG	LOC	CODE
	CDA	2A5	458A
	CNTL	2A5	458A
	CTS	2B5	446F 533F
	DS1	2A4	533K
	DS1A	2A4	533K
ZD	LDM	1G1	
A	SG	1A8	
	SW	1A7	
	FDS	2A6	446E 533F
F.	MBL	1H9	458A
	MBS	1H8	446F 533F



<u>INDUCTOR</u>			
<u>OPTION</u>	<u>DESIG</u>	<u>LOC</u>	<u>CODE</u>
X	AB	IA0	1596A, .1H
	L3	IFO	1596A, .62H
	L4	ID5	1553C

JACK
SEE CONNECTOR



LAMPS
DESIG
CC
CND
CR
MB

NETWORK		
PT	DESIG	LOC CODE
B	CND	2A5
	CP	2F1
		185A
B	ECD	2C5
	PLS	1C7
	LA	1A3
		177D
		185A

RESISTOR				
OPTION	DESIG	LOC	CODE	
(ZH)	ABR	IB3	KS-1349, L1, KS-20289, L6C, 100	
	CND	1G3	19J6	
	PLS	1G2	18D8	
	CST	4A8		
(R)				
(B)	CNDL	2A4	KS-1349, L1, 1200 KS-20810, L1A, 1210	
	PLSA	2F6	18BC	
(B)	REVL	1F9	KS-1349, L1, 680 KS-20289, L6C, 681	
	SI	2C4	KS-1349, L1, 2400 KS-20289, L6C, 2370	
B	CNT	ID3	KS-20289, L1C, 1K	
B	AR	ID9	KS-20810, L1A, 383	
B	AT	IE8	KS-20810, L1A, 783	
ZH	DR	ICI	KS-20289, L1, 570	

<u>THERMISTOR</u>		
<u>DESIG</u>	<u>LOC</u>	<u>CODE</u>
MB	IG8	8C

<u>TRANSFORMER</u>		
<u>DESIG</u>	<u>LOC</u>	<u>CODE</u>
TI	IC4	2552F

COIN TRUNK CIRCUIT

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SD - 32539 - 01 - C1

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AT&T BELL LABORATORIES

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ISSUE
19A

② APP FIG. 2

RELAY	DESIG	410X	X11	ANN	DC1	DC2	DC3		EID	HLD	DESIG
CODE	AK49		AJ125	AJ12	AJ12	AJ12			AK48		CODE
OPTION	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	OPTION
12	ARR		M	3E9	EBM	4E2	EBM		M	1A4	12
11			EBM		EBM		EBM		M	4D3	11
10			EBM		EBM		EBM	1A4	EBM	1H3	10
9			EBM		EBM	2C8	EBM	1A4	EBM	3D7	9
8			EBM	3C7	EBM	1G1	EBM	3D7	EBM	2B8	8
7					EBM	1G1	EBM	2B8	EBM	3E7	7
6					EBM	1H2	EBM	3E7	EBM	3C8	6
5	EMB	3B7			EBM	1E7	EBM	3C8	EBM	3B8	5
4	EMB	3C7			EBM	1C3	EBM	3A8	EBM	3A7	4
3	EMB				EBM	1A6	EBM	2E8	EBM	2F8	3
2	EBM				EBM	1E3	EBM	2F8	EBM	2F8	2
1	M	3D9			EBM	2A0	EBM	2G8	EBM	2G9	1
COIL		3D9		3E9		2C8		2E9		2F9	COIL

RELAY	DESIG	F	SD1		P1	P2	P3	P4	P5		DESIG
CODE	AK49				AJ12	AJ12	AJ12	AJ12	AJ12		CODE
OPTION	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	CONT	LOC	OPTION
12	ARR		M	3C9	EBM	3F0	EBM	3F2	EBM		12
11			EBM		EBM	3H1	EBM	3H1	EBM	3F1	11
10			EBM		EBM	3E4	EBM	3C3	EBM	3G1	10
9			EBM	3C8	EBM	3E5	EBM	3C5	EBM	3H1	9
8			EBM	3B7	EBM	3C3	EBM	3C5	EBM	3F3	8
7					EBM	3E4	EBM	3F4	EBM	3B2	7
6					EBM	3B1	EBM	3A1	EBM	3D5	6
5	EMB	5C1			EBM	3A2	EBM	3C1	EBM	3C2	5
4	EMB	2E5			EBM	3C1	EBM	3B1	EBM	3C1	4
3	EMB	1E6			EBM	3D1	EBM	3D1	EBM	3C2	3
2	EBM	1A4			EBM	3E1	EBM	3E2	EBM	3C1	2
1	M	3A9			EBM	3E1	EBM	3E2	EBM	3C1	1
COIL		3A9		3C9		3A3		3C3		3D3	COIL

CAPACITOR

DESIG	LOC	CODE
PAH	IHI	542D
R	2B0	437E
T	2B0	

RESISTOR

DESIG	LOC	CODE
HLD	2D8	18AD
PAH	IHI	KS-13490, L1, KS-20810, L1A, 20K
Ⓢ CNPL	2E4	446A, 825- KS-20289, L6C, 825
Ⓢ PH	IHI	KS-20810, L1A, 100

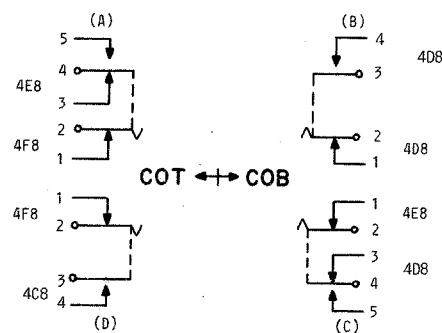
DIODE

OPT	DESIG	LOC	CODE
F	FDC	2A3	533F
F	HLDL	2B7	446E
F	HLDS	2E9	458F
F	PLSL	1F2	446E

③ APP FIG. 3

KEY

2AF KEY UNIT



KEYTOP



LAMP

DESIG	LOC	CODE
CO	4C8	M1 RED

④ APP FIG. 4

RELAY	DESIG	CCK	FC	SSD1	SSD2	SSD3
CODE	AJ128		AK10		AK42	
OPTION	CONT	LOC	CONT	LOC	CONT	LOC
12	ARR		BM	4D2	M	4C5
11	M		M		M	4B6
10	M		M	3B9	EBM	
9	M		M			
8	B	1B5	M	4C3	EMB	
7	EBM	2G5				
6	B	4A2				
5	EMB	4C2		M		EMB
4	EBM			BM		
3	M	2H3		BM		EBM
2	M	2A6		BM		M
1	M	4A2		BM	4B5	M
COIL		4C3		4A6	4C6	4B6

⑤ APP FIG. 5

RELAY	DESIG	PS	PS1			
CODE	AK4					
OPTION	CONT	LOC	CONT	LOC	CONT	LOC
12	ARR		M	4F1		
11			EBM	4F1		
10			EBM	2A0		
9			EBM			
8			EBM	4F2		
7						
6						
5	EMB	4E3				
4	EMB					
3	EBM	4E4				
2	EBM					
1	M	4F1				
COIL		4E1		4F1		

LAMP

DESIG	LOC	CODE
PS	4D3	20A (RES LAMP)

NETWORK

DESIG	LOC	CODE
PS	4E1	185A

SD-32539-01-C2

COIN TRUNK CIRCUIT

②

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⑥ APP FIG. 6

CIRCUIT PACK					
EQPT LOC		CP2			
DESIG		ED-32386, GR 1			
CODE					
OPTION					
ELEMENT LOC		TERM.		TERM.	
TERM.		DESIG	FS LOC	DESIG	FS LOC
27					
26					
25					
24		CP	1F3		
23		CP	1G3		
22					
21					
20					
19					
18					
17					
16		R9,R10	1F7		
15					
14					
13					
12					
11					
10					
9					
8					
7					
6					
5					
4					
3		ACD1	1E6		
2		R7,R8	1F7		
1					
0					

⑦ APP FIG. 7

CIRCUIT PACK					
EQPT LOC		CP3			
DESIG		ED-32386, GR 2			
CODE					
OPTION					
ELEMENT LOC		TERM.		TERM.	
TERM.		DESIG	FS LOC	DESIG	FS LOC
27		RG	3H0		
26		T	2B1		
25		F	2E6		
24		CP	1F3		
23		CP	1G3		
22					
21					
20					
19					
18					
17					
16		R9,R10	1F7		
15					
14					
13					
12		R11,12	1H7		
11					
10					
9		R	2B1		
8					
7					
6					
5					
4					
3					
2		F	3F6		
1		R7,R8	1G7		
0					

⑧ APP FIG. 8

CIRCUIT PACK					
EQPT LOC		CP4			
DESIG		ED-32386, GR 3			
CODE					
OPTION					
ELEMENT LOC		TERM.		TERM.	
TERM.		DESIG	FS LOC	DESIG	FS LOC
27		RG	3H0		
26		T	2B1		
25		F	2E6		
24		CP	1F3		
23		CP	1G3		
22		CCK	2H3		
21					
20					
19					
18					
17					
16		R9,R10	1F7		
15					
14					
13					
12		R11,12	1H7		
11					
10		FCD	4C2		
9		R	2B1		
8		FCD,CCKD	4A2		
7					
6					
5					
4		CCK,CCKD	4C2		
3		R5	4B2		
2		F	3F5		
1		R7,R8	1G7		
0					

SD-32539-01-C3

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
1-1/3	-48		CIRCUIT
1-1/3	+48		CIRCUIT (OPTION F OR ZE)
1/2	±110		2 PER APP FIG. 1
BATTERY SYMBOL		VOLTAGE RANGE	
-48		45-52	
±110		100-120	
+48		45-52	

102.

FEATURE OR OPTION		PROVIDE	
		APP OR WRG	QUANTITY
PREPAY COIN TRUNK	LCOT NOT REQD	1,6 ZE,ZL ZN,ZO ZC,ZE	1 PER COIN LINE FINDER
COIN TRUNK FOR COINLESS ACCESS TO SPECIFIED NUMBERS (DIAL-TONE FIRST)	NON-COMMON CONTROL LCOT NOT REQD COMMON CONTROL OR NON-COMPATIBLE "TOUCH-TONE"	1,2,5,7 ZE,ZL ZN,ZO ZC,ZE 4,5,8 ZP	1 PER COIN LINE FINDER
WHEN COIN TRUNK TIMED RELEASED CKT IS	FURNISHED NOT FURNISHED	W V	
CLASS OF SERVICE TONE FOR	OFFICES WHERE COIN LINES ARE INDICATED BY 35E97 OFFICES (SEE NOTE 304)	GRD 3KN GRD REQD NOT REQD	1 PER COIN TRUNK
CUT-OFF KEY FOR A, I & P LEADS	TIMED RELEASE CKT PROVIDED & A SECOND TIMED RELEASE CIRCUIT IS REQUIRED TIMED RELEASE CKT NOT REQUIRED & UPPER HALF OF CO KEY HAS TRUNKS ASSIGNED	S T	1 PER BAY
PERMANENT SIGNAL (DTF)	NO. 1 OR 350A OFFICE NO. 355A, 35E97 OR 360A OFFICE	M N	1 PER COIN TRUNK
LCOT (LOCAL COIN OVT)	REQUIRED PREPAY DIAL LONG LINE CKT NOT REQD DIAL LONG LINE CKT REQD DIAL TONE FIRST NOT REQUIRED	1,6 B,ZR G,ZE ZN,ZL G ZK ZM F,ZN ZL E,ZE ZL,ZN ZQ,ZC	1 PER COIN TRUNK
COIN TRUNK IS PRECEDED BY A ROTARY LINE SWITCH		A	
LCOT IS PROVIDED AND THE COIN TRUNK (SEE NOTE 307)	RECEIVES REVERSE BATTERY SUPERVISION ON NON-CHARGE CALLS DOES NOT RECEIVE REVERSE BATTERY SUPERVISION ON ALL NON-CHARGE CALLS	ZD ZC	
FORCED DISCONNECT FEATURE (SEE NOTE 308)	REQ'D NOT REQ'D	ZF ZG	1 PER COIN TRUNK
CLASS OF SERVICE TONE	35E97 OFFICES (SEE NOTE 304) REQD NOT REQD	X,ZH Z	
ANI	TYPE B REQUIRED TYPE C OR D REQD(SEE NOTE 304) NOT REQUIRED	X,ZH Y,ZH Z	1 PER COIN TRK

CIRCUIT NOTES: (CONT)

103.

NETWORK VALUES		
NETWORK NO.	RESISTANCE IN OHMS	CAPACITANCE IN UF
1	560	1.0
2	470	0.11-0.15

104.

RECORD OF APPARATUS 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
4B	J OR K	K		J		K
	KEYS			552A		552J
6B	B OR E F & G	E NONE		B,E F & G		
7AC	A	NONE	102	A		
8AC	ZA,ZB	ZA		ZB		ZA
8AC	F,ZE	ZE		F,ZE		
8AC	ZC,ZD	ZC	102,307	ZC,ZD		
9AC	ZF,ZG	ZF	102,308	ZF,ZG		
10AC	ZH,ZJ	ZJ	102,106	ZH		ZJ
	ZK OR ZL	ZL		ZK,ZL		
14B	ZN OR ZM	ZN		ZM,ZN		
	2 AND ZP	2 AND ZO OR NONE	105	ZP		ZO
	ZR	ZQ		ZQ,ZR		
18B			309			

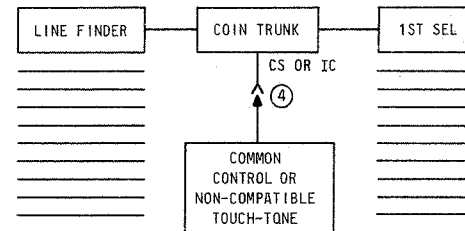
105. PRIOR TO ISSUE 14B ZO OPTION WAS PART OF 2 OPTIONS.

106. OPTION ZH IS PROVIDED TO SUPPRESS ARCING OF CONTACT 11B(SC) WHERE ANI-B OPERATION IS USED.

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.

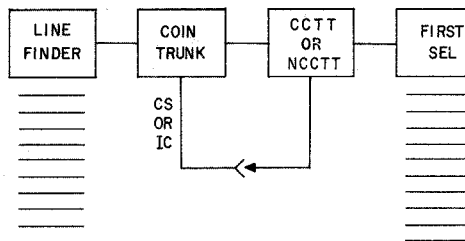
302. TOTAL EXTERNAL RESISTANCE OF CS OR IC LEAD SHALL NOT EXCEED 1KΩ.

MFR 303. BLOCK DIAGRAM
DISC.

304. IN 35E97 OFFICES EITHER ANI TYPE C OR TYPE D, Y OPTION, OR CLASS OF SERVICE TONE, X OPTION MAY BE PROVIDED, BUT NOT BOTH AT THE SAME TIME.

305. WHEN THIS CIRCUIT IS USED WITH A LINE FINDER SWITCH SERVING DIAL-LONG-LINE CIRCUIT(S), THE LINE FINDER "OFF NORMAL" SPRING CONNECTION IS NOT REQUIRED.

306. BLOCK DIAGRAM



307. EXAMPLES OF NON-CHARGE CALLS ARE 411,911,0- OR 0+. NOTE THAT FOR ZC TO BE SPECIFIED ALL NON-CHARGE CALLS MUST BE OF THE NON-REVERSE BATTERY SUPERVISION TYPE. IGNORING THIS FACT CAN RESULT IN LCOT BEING ACTIVE ON A NON-CHARGE CALL.

308. THE FORCED DISCONNECT FEATURE PROVIDES A 12 SECOND TRUNK RELEASE WHEN THE CALLED PARTY GOES ON-HOOK BUT THE CALLING PARTY FAILS TO GO ON HOOK.

309. PRIOR TO ISSUE 18B, CONNECTION TO THE 14A ANNOUNCEMENT SYSTEM WAS NOT SHOWN. THE 14A ANNOUNCEMENT SYSTEM UTILIZES THE LEADS DESIGNATED AS T & R WHEN RUN DIRECTLY WITHOUT THE INTERFACE CIRCUIT.

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COIN TRUNK CIRCUIT

2

SD-32539-01-D1

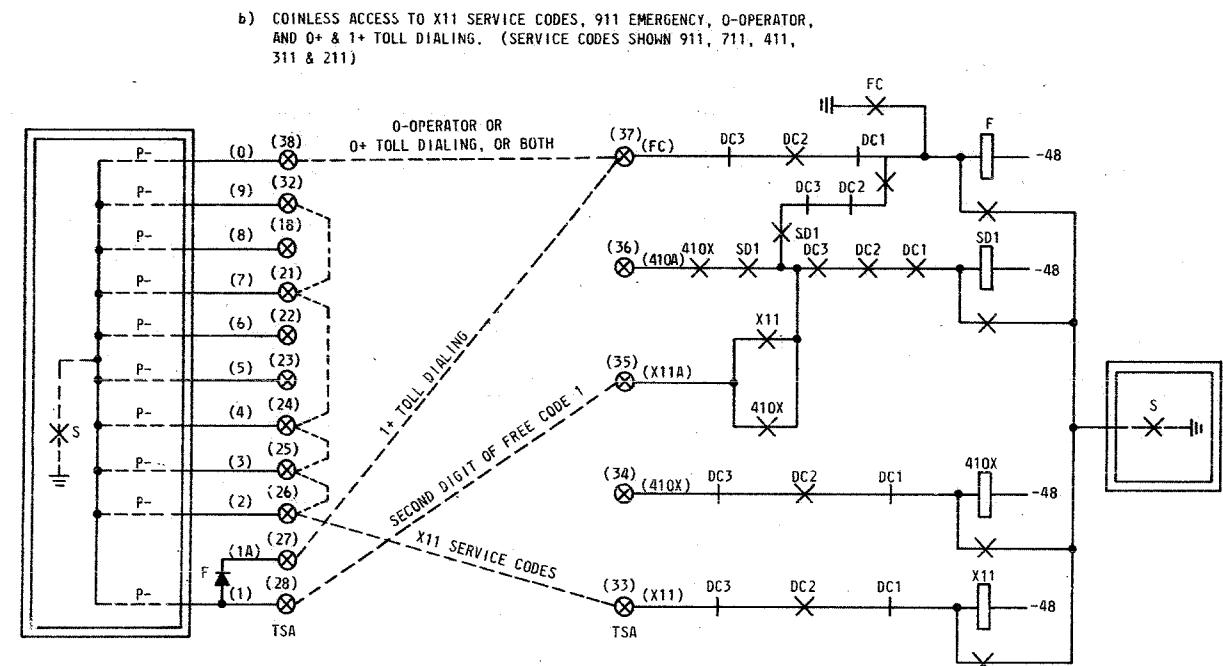
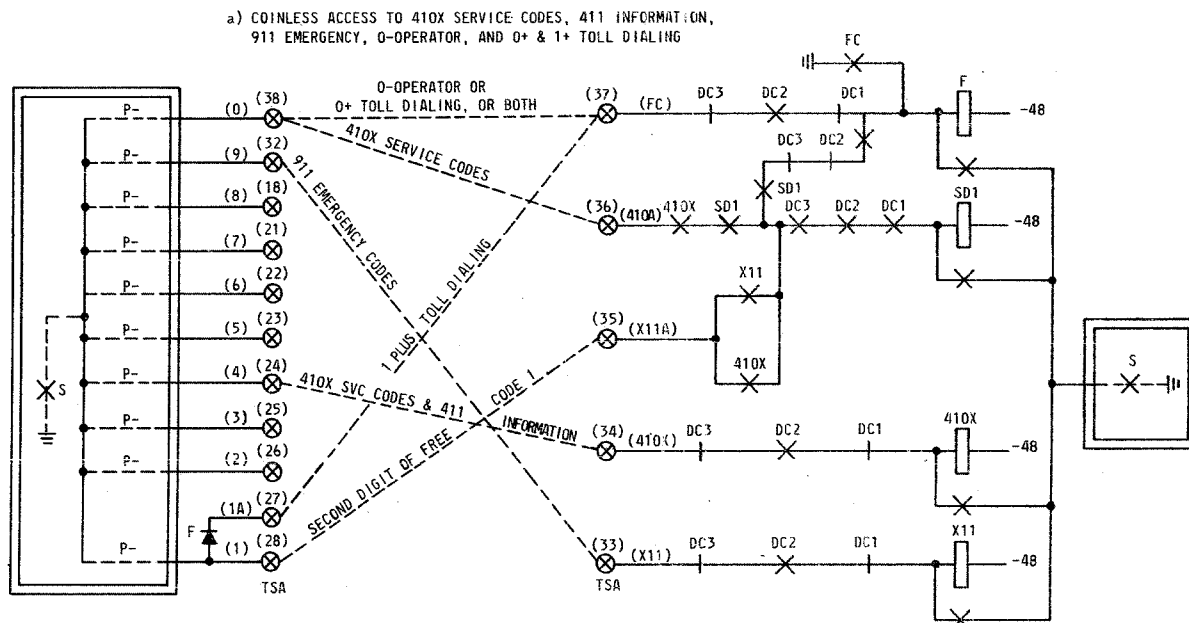
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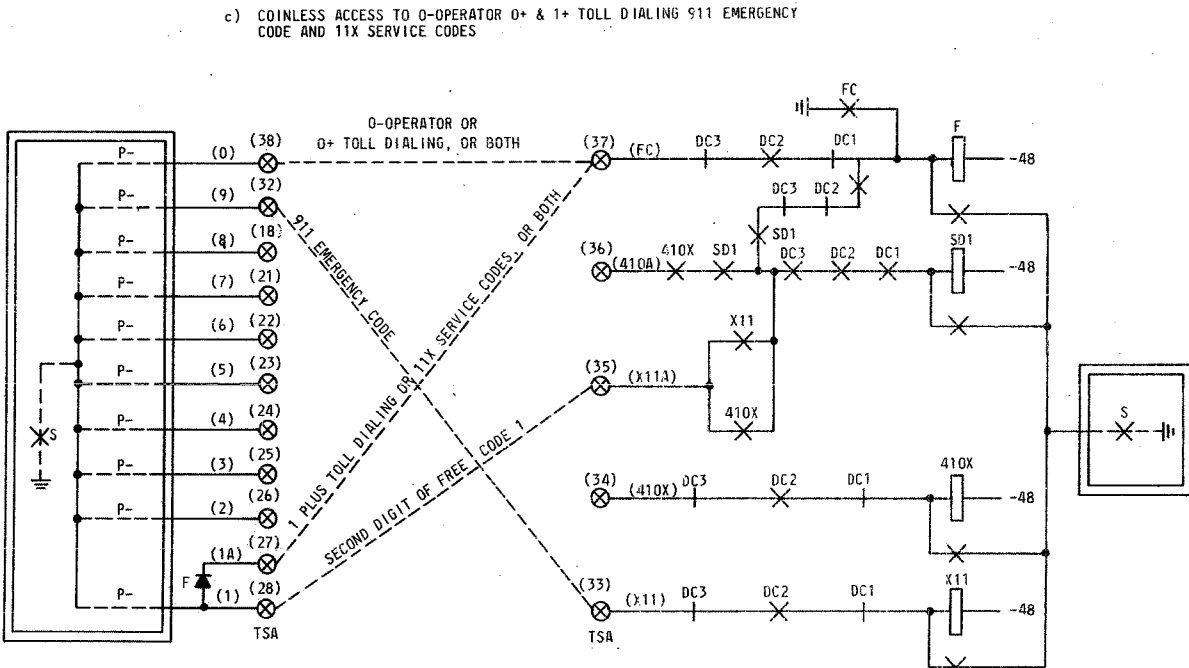
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CROSS-CONNECTING INFORMATION AND NOTES:
401. TYPICAL CROSS CONNECTIONS FOR:

A
B
C
D
E
F
G
H



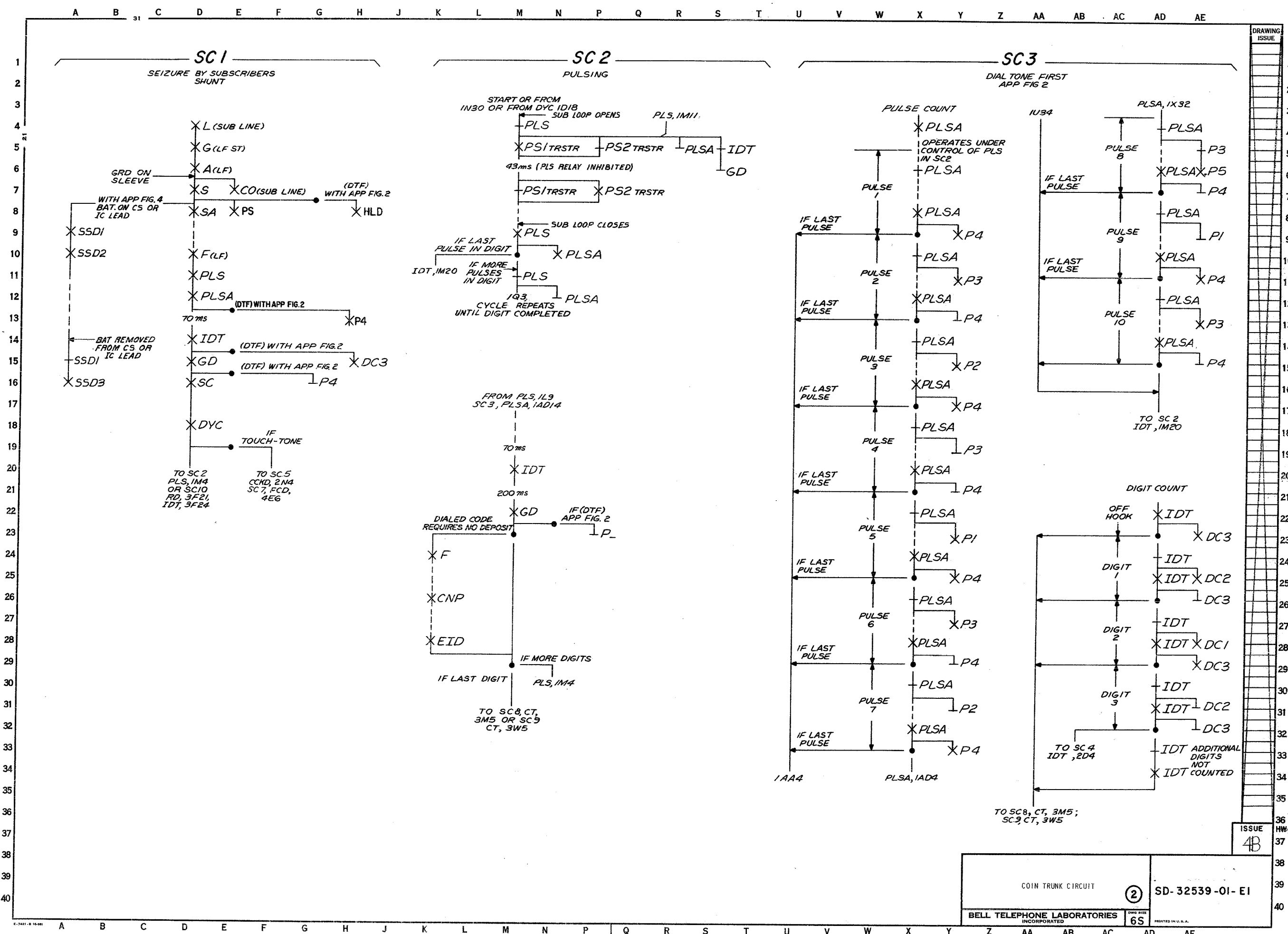
E
F
G
H



DRAWING
ISSUE
/

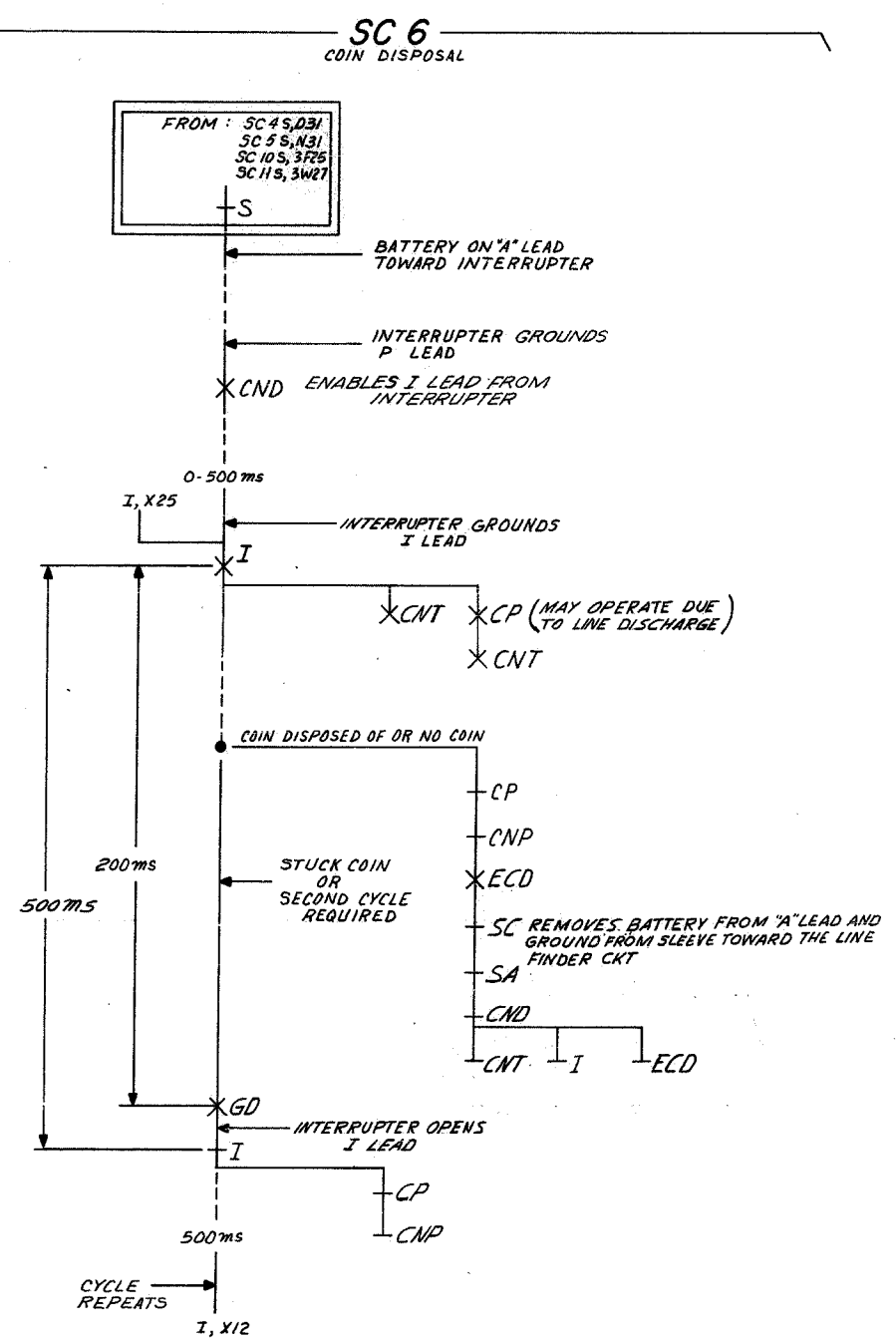
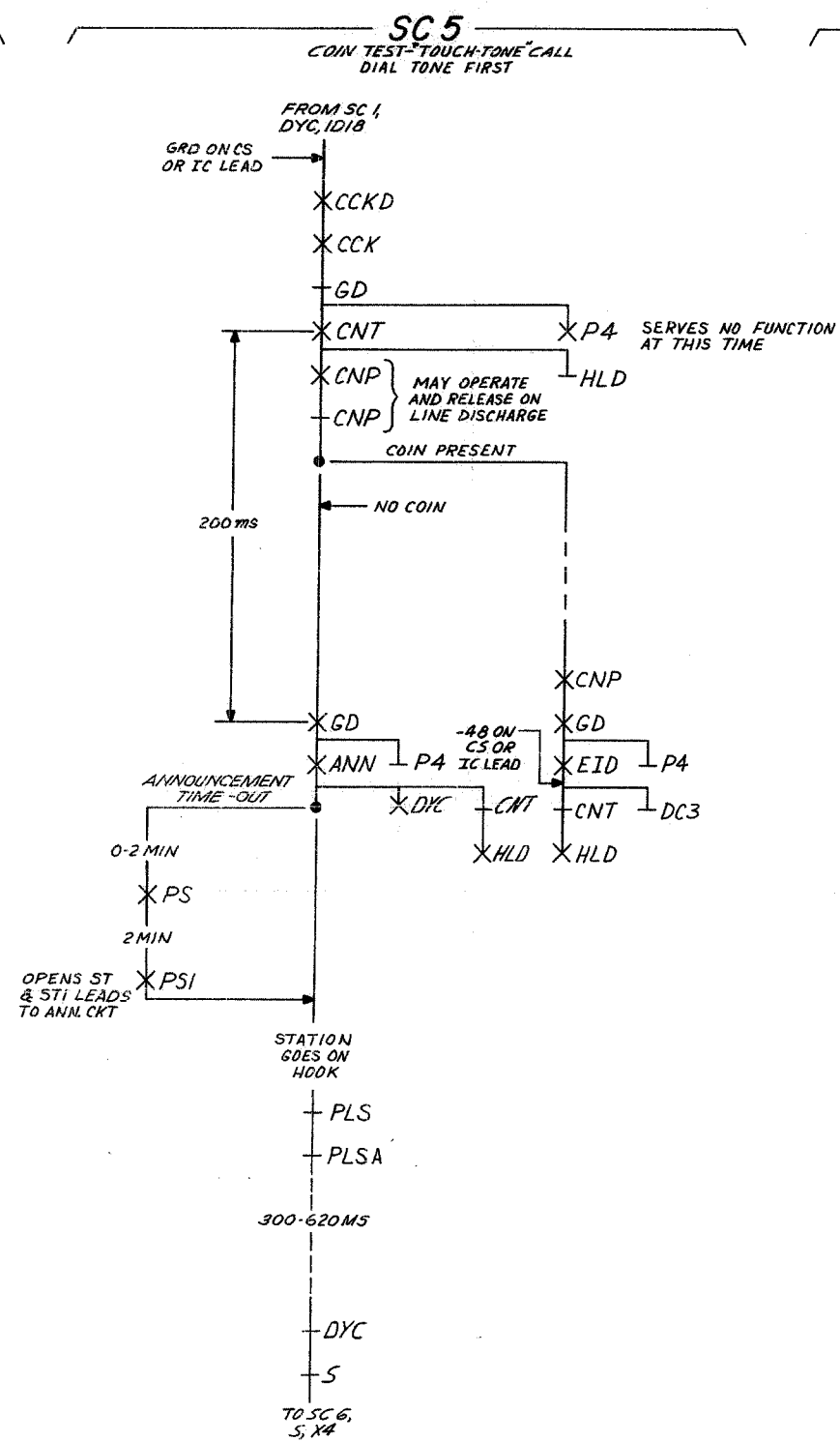
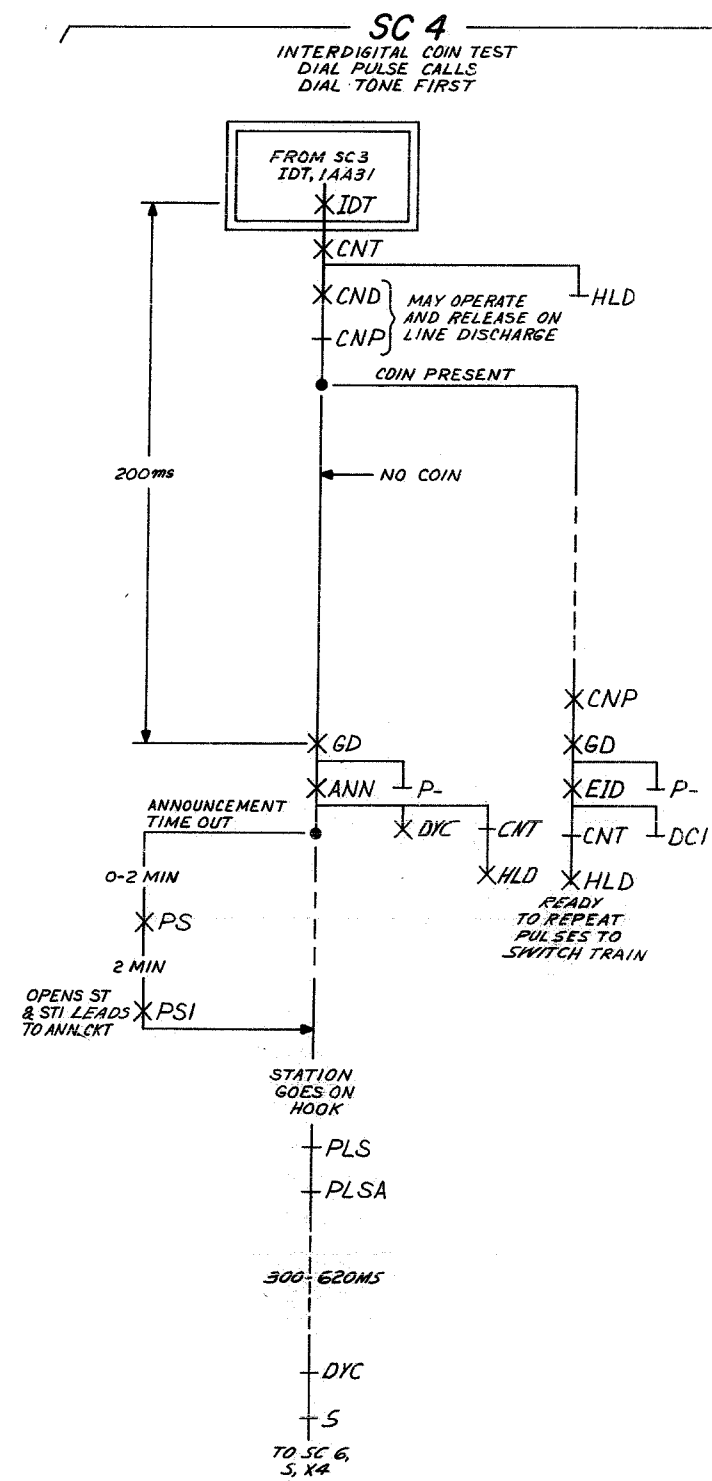
A
B
C
D
E
F
G
H

SD-32539-01-D2



SD-32539-01-EI

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



SD-32539-01-E2

COIN TRUNK CIRCUIT

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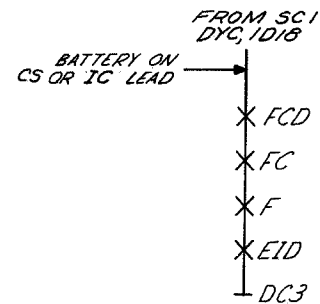
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A B C D E F G H J K L M N P Q R S T U V W X Y Z AA AB AC AD AE

DRAWING
ISSUE

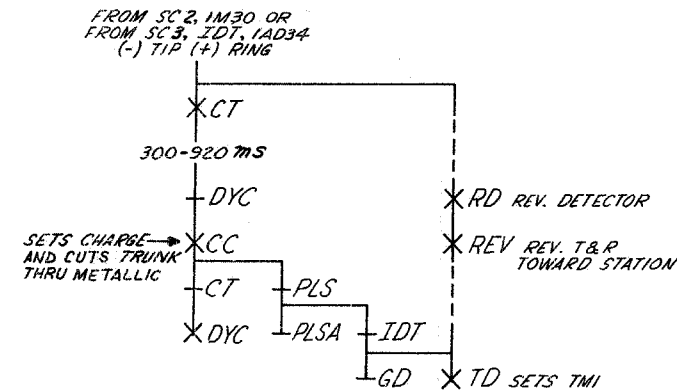
SC 7

NO DEPOSIT REQUIRED
SIGNAL FROM TOUCH-TONE CKT
DIAL TONE FIRST



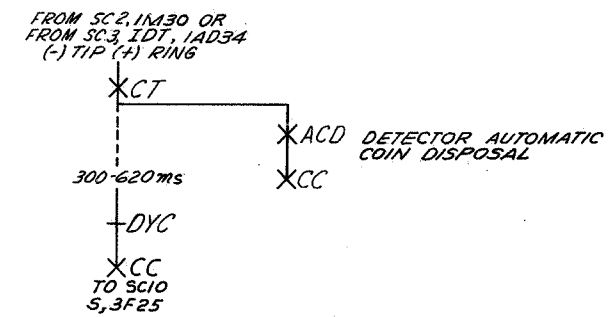
SC 8

CHARGE CELL ANSWER



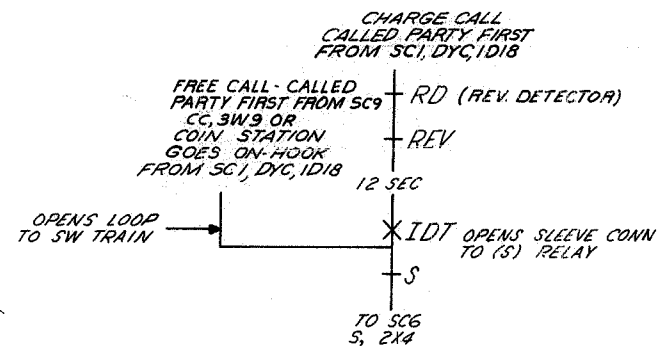
SC 9

FREE CODE ANSWERED
(F) RELAY OPERATED



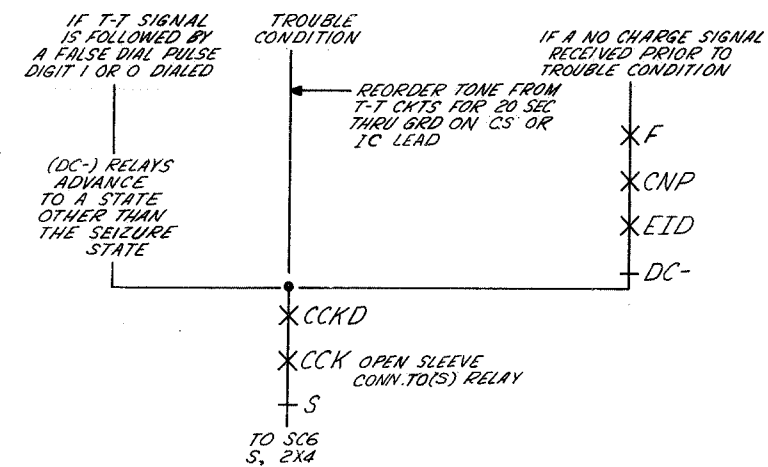
SC 10

DISCONNECT



SC 11

FALSE PULSE OR TROUBLE
CONDITION ON
DIAL TONE FIRST



SD-32539-01-E3

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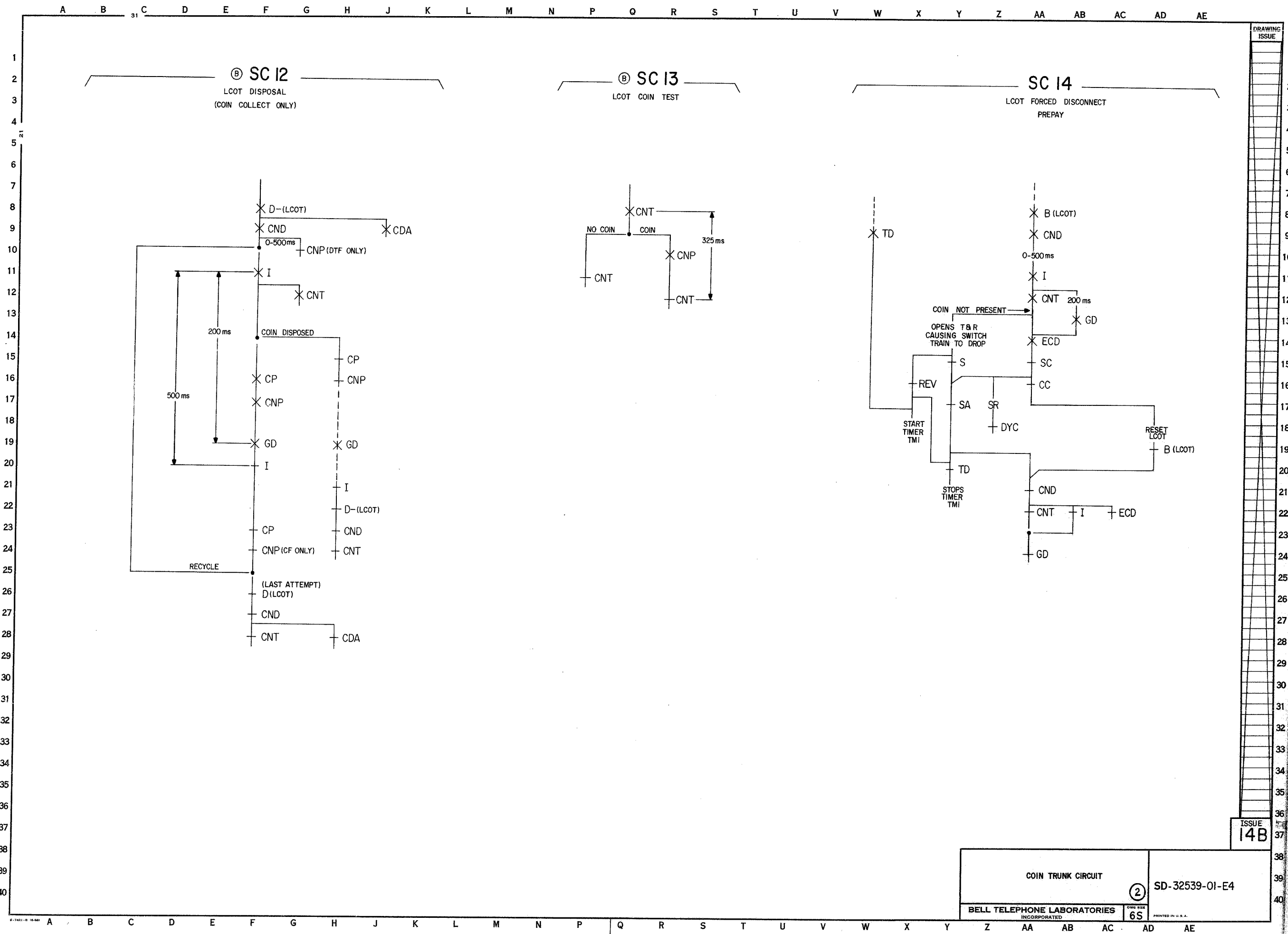
COIN TRUNK CIRCUIT

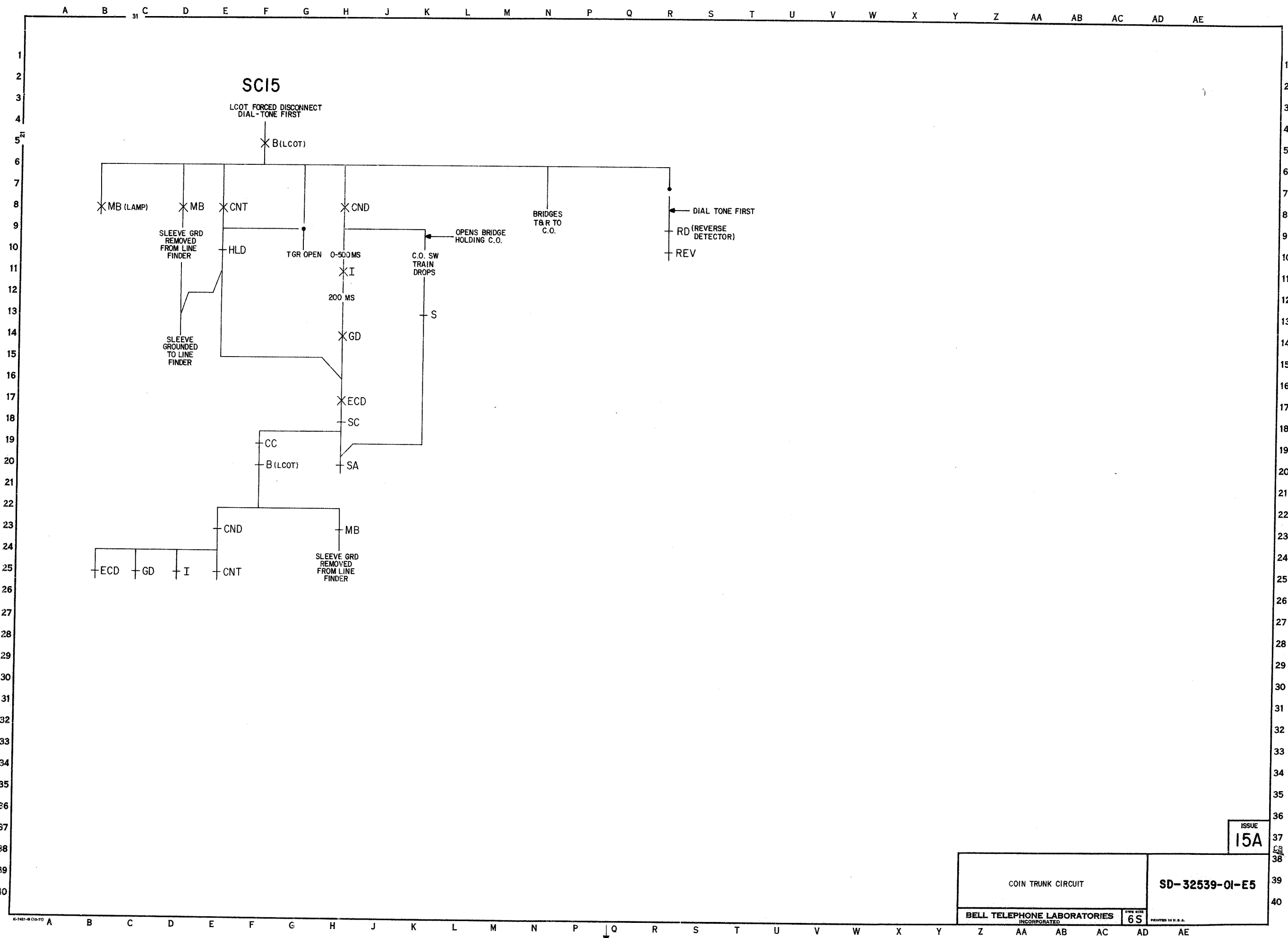
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COIN TRUNK CIRCUIT		SD-32539-01-E5	
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CIRCUIT REQUIREMENTS																		
APPARATUS				MECH REQ			CIRCUIT PREPARATION				TEST SET PREP	SEE TEST NOTE	DIRECT CURRENT FLOW REQ					REMARKS
DESIG	CODE	OPT	FIG.	BSP FIG.	CONT PRES	ARM. TRVL	BLOCK OR INSULATE	TEST CLIP DATA		TEST WDG			TEST FOR	AFTER SOAK MA	TEST MA	READJ MA		
								CONN BAT.	CONN GRD									
RELAY																		
410X	1/2AK49		2		224		1(410X)		1L(410X)	GRD			0	12.4	11.3	MOUNTED WITH (X11)		
ANN	AJ125		2		299		EID(O)		U(ANN)	GRD			0	11.3	10.3			
CC	AJ131		1		336				U(CC)	GRD			0	44	42			
CCK	AJ128		4		334		1(CCK)		U(CCK)	GRD			0	12.2	11.1			
CDA	1/2 AK604	B	1		202				1L(CDA)	GRD			0	12.4	11.3	MOUNTED WITH (LA)		
CND	AJ125		1		299		I(NO)		U(CND)	GRD			0	10.8	10.3			
CNP	AJ133	K	1		59				2U(CNP)	GRD	2,3		0	8.2	7.6			
													NO	6.1	6.4			
													R	3.6	3.6			
CNP	AJ152	J	1		78				2U(CNP)	GRD	2,3		0	8.2	7.8			
													NO	6.1	6.4			
													R	3.6	3.8			
CNT	AJ131		1		336				U(CNT)	GRD			0	44	42			
CP	303A		1		1		(I)O.(CND)O, 10M(CND), 11M(CND), (CC)NO	3(I)	6(CC)	B/G	7		0	66	22			
													0		13.5			
CT	AG52		1		318B		(CC)O	1U(CT)	1L(CT)	B/G	9	P	0	50	25.5	24		
													H	4.8	4.5			
													R	2.5	2.8			
DC1	AJ12		2		220		(ANN)O 8B(DC3)		U(DC1)	GRD			0	42.5	40.5			
DC2	AJ12		2		220		(IDT)O (ANN)O		U(DC2)	GRD			0	42.5	40.5			
DC3	AJ12		2		220		(ANN)O		U(DC3)	GRD			0	42.5	40.5			
DYC	AG24		1		188				U(DYC)	GRD			0	13.7	13			
													H	1.6	1.5			
													R	0.7	1.0			
ECD	1/2AK22		1		216				1L(ECD)	GRD			0	27.3	26	MOUNTED WITH (REV)		
EID	1/2AK48		2		204		9(EID)		1U(EID)	GRD	2		0	9.7	8.8	MOUNTED WITH (HLD)		
F	1/2AK49		2		224		1(F)		1L(F)	GRD			0	12.4	11.3	MOUNTED WITH (SD1)		
FC	1/2AK10		4		7				1U(FC)	GRD			0	7.8	7.4	MOUNTED WITH (SSD1)		
GD	AJ43		1		249		(IDT)O		U(GD)	GRD	1		0	24.3	23			
HLD	1/2AK48		2		204		(CNT)O		1L(HLD)	GRD			0	10.9				

CIRCUIT REQUIREMENTS																								
APPARATUS				MECH REQ			CIRCUIT PREPARATION				TEST SET PREP	SEE TEST NOTE	DIRECT CURRENT FLOW REQ					REMARKS						
DESIG	CODE	OPT	FIG.	BSP FIG.	CONT PRES	ARM. TRVL	BLOCK OR INSULATE	TEST CLIP DATA					TEST WDG	TEST FOR	AFTER SOAK MA	TEST MA	READJ MA							
P3	AJ12		2	220			(GD)0, (PLSA)0, (ANN)0		U(P3)	GRD				0		42.5	40.5							
P4	AJ12		2	220			(GD)0, (PLSA)0, (ANN)0		U(P4)	GRD				0		42.5	40.5							
P5	AJ12		2	220			(ANN)0		U(P5)	GRD				0		42.5	40.5							
PLS	313A		1	1				6(PLS)	1(PLS)	B/G	1,4,5		0	14	4.6									
													R		2									
PLSA	AF51		1	31			(CC)0,7(PLSA)	L(PLSA)	U(PLSA)	B/G			0		95	90								
PS	1/2AK4		1	202			(PS1)NO	(PS)		BAT			0		11.9	11.3		J WIRING	MOUNTED WITH (PS1) N WIRING					
								1L(PS)		GRD			0		11.9	11.3								
PS1	1/2AK4		1	202			(PS)NO		1U(PS1)	GRD			0		11.9	11.3		MOUNTED WITH (PS)						
REV	1/2AK22		1	216					1U(REV)	GRD			0		27.3	26		MOUNTED WITH (ECO)						
S	A639		1	268B					1U(S)	GRD		P	0	38	18.5	17.5								
													H		3.2	3.0								
													R		1.6	1.9								
SA	1/2AK47		1	202					1U(SA)	GRD			0		13.1	12.5		MOUNTED WITH (I)						
SC	AJ3		1	226			(S)0, (SA)NO		U(SC)	GRD			0		17.8	17								
SD1	1/2AK49		2	224			12(SD1)		1U(SD1)	GRD			0		12.4	11.3		MOUNTED WITH (F)						
SSD1	1/2AK10		4	7					2L(SSD1)	BAT.					16.3	15.5		MOUNTED WITH (FC)						
SSD2	1/2AK42		4	223					1U(SSD2)	GRD	2		0		10.5	10		MOUNTED WITH (SSD3)						
SSD3	1/2AK42		4	223			(SSD1)0		1L(SSD3)	GRD	2		0		11	10		MOUNTED WITH (SSD2)						
TD	1/2AK47		1	202																				

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SD- 32539-01-F1

NOTES:

1. REMOVE (TM1) AND (TM2) CIRCUIT PACKS.
2. ARMATURE BACK TENSION MIN. 20 GRAMS READJUST
15 GRAMS **TEST**.
3.

GAUGE	CONTACTS			
	MAKE	NO MAKE	BREAK	NO BREAK
TEST	3.5	10	3.5	10
READJ	5	8.5	5	8.5
4. OPERATION OR RELEASE OF THE (PLSA) RELAY INDICATES
A CORRESPONDING OPERATION OF THE (PLS) RELAY.
5. REMOVE CIRCUIT PACK (CP1).
6. USE TIMING TEST SET SIMILAR J24753A FOR TEST.
7. OPERATION OR RELEASE OF THE (CNP) RELAY INDICATES A
CORRESPONDING OPERATION OF THE (CP) RELAY.

8. USE TEST SET FOR TIMING TESTS

DESIGN	TEST CLIP DATA			TEST SET PREP			TIME REQ	
	CONN BK	CONN R	CONN W	SEND KEY	REC SW		MS	
					START	STOP	MIN	MAX
DYC	1(S)	U(DYC)	U(CC)	BK	48	GRD	270	685
S	8(S)	8(TD)	1B(S)	BK	OC	GRD	4	15.5
TM1	II (TD)	1K(REV)	5M	MK	GRD	48	63	100
TM2	2(CND)	5(M)	5M(GD)	MK	OC	GRD	175	250

9. CONNECT TEST CLIPS WITH PARTICULAR ATTENTION TO POLARITY, A REVERSAL ON CONNECTION MAY DESTROY (CT2) DIODE.

COIN TRUNK CIRCUIT

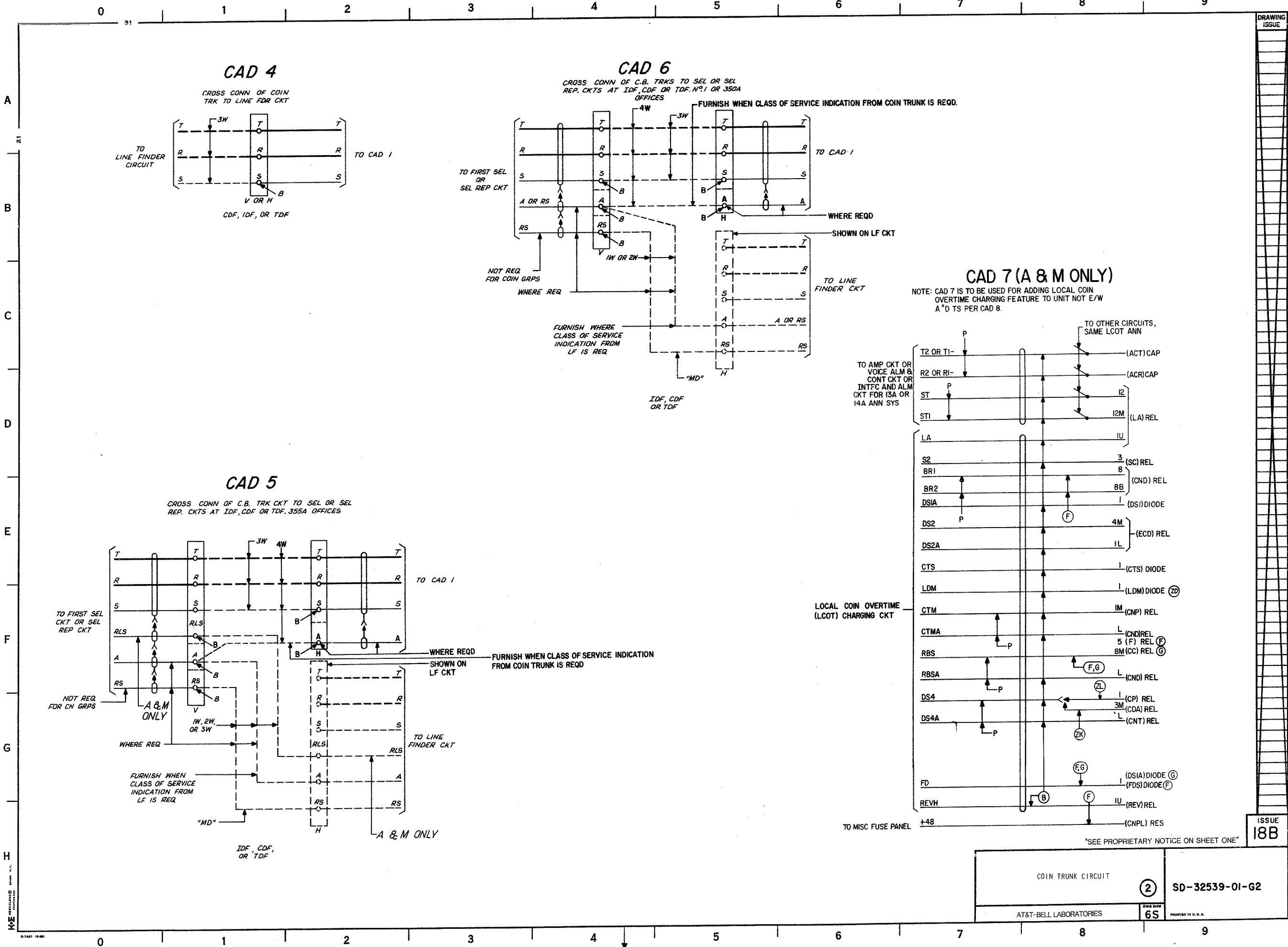
2

SD-32539-01-FI

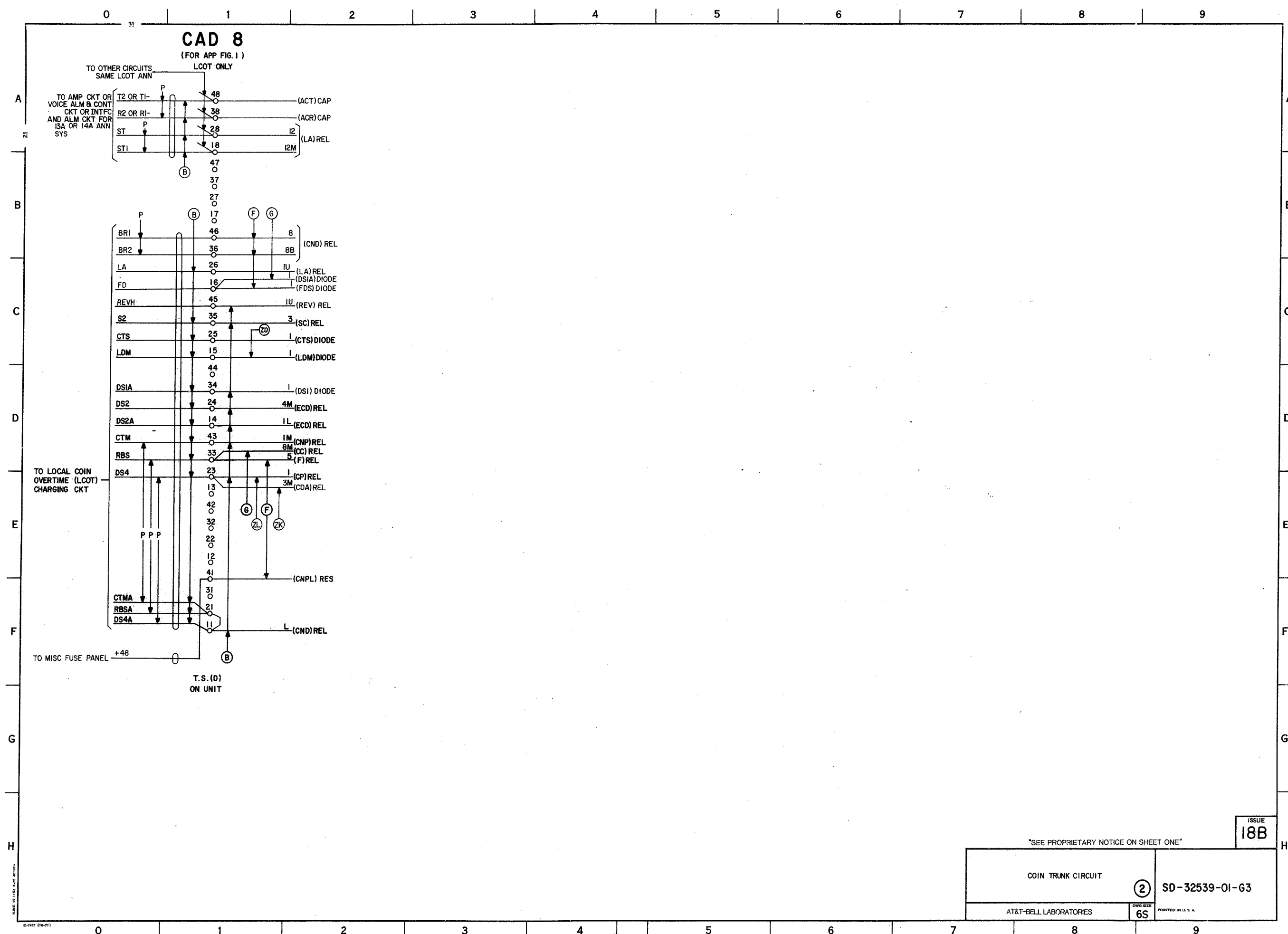
BELL TELEPHONE LABORATORIES
INCORPORATED

DWG 5
69

PRINTED IN U.S.A.



SD-32539-01-G2



SD-32539-01-G3

SEE PROPRIETARY NOTICE ON SHEET ONE

COIN TRUNK CIRCUIT		②	SD-32539-01-G3
AT&T-BELL LABORATORIES		6S	PRINTED IN U.S.A.

COMPONENT LIST

RELAY

DESIG	CODE
[2] K1,2	327C

RELAY NOT ADJUSTABLE REPLACE WHEN THERE IS MALFUNCTION.

CAPACITOR

DESIG	CODE
C1	542L
C2	535CB
C3	542B
C4	KS-19658, L6
C5	542B

DIODE

DESIG	CODE
CR1	426E 804AF
CR2	426E 804AF
CR3	458A
CR4	458A
CR5	458A
CR6	458A
CR7	458A
CR8	446F 533F
CR9	458A

RESISTOR

DESIG	CODE
R1	KS-13491, L1, 1600 KS-20289, L6C, 1620
R2	KS-16645, L1, KS-20616, L1A, 20K
R3	KS-13491, L1, KS-20289, L6C, 4700
R4	KS-13491, L1, KS-20289, L6C, 1500
R5	KS-13491, L1, KS-20289, L6C, 2K
R6	KS-16645, L1, 5100 KS-20616, L1A, 5110
R7	KS-16645, L1, KS-20616, L1A, 20K
R8	KS-16645, L1, KS-20616, L1A, 200K
R9	KS-16645, L1, KS-20616, L1A, 10K
R10	KS-13490, L1, KS-20810, L1A, 1K
R11	KS-13492, L1, KS-20289, L6C, 100
R12	KS-20289, L6C, 698, 746A
R13	KS-20289, L6C, 1000, 746A
R14	KS-13490, L1, KS-20810, L1A, 2K
R15	KS-20289, L6C, 2K
R16	KS-13490, L1, 6200 KS-20810, L1A, 6190
R17	221A, 100K, KS-20810, L1A
R18	KS-16645, L1, 100K, 22K KS-20616, L1A, 22.1K
R19	KS-13490, L1, 6200 KS-20810, L1A, 6190
R20	KS-16645, L1, 56K KS-20616, L1A, 56.2K
R21	KS-13491, L1, 909 KS-20289, L6C, 909

TRANSISTOR

DESIG	CODE
Q1	66K
Q2	51B
Q3	51B
Q4	51B
Q5	66J
Q6	51G

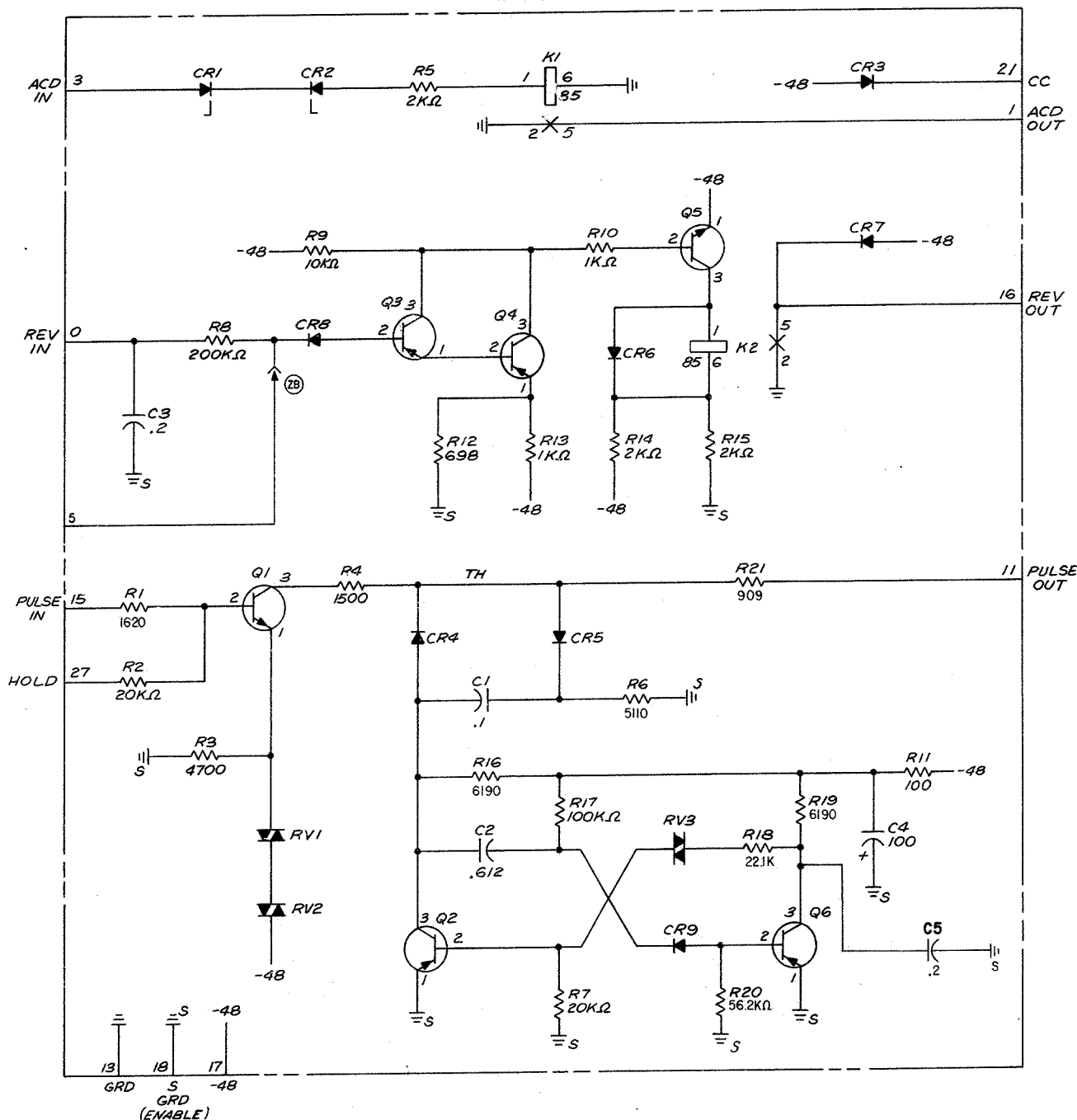
VARIATOR

DESIG	LOC
RV1	100D
RV2	100D
RV3	100D

INPUT/OUTPUT INFORMATION

THIS INFORMATION INCLUDED IN CIRCUIT DESCRIPTION.

CPS I



CIRCUIT DESCRIPTION

THIS CIRCUIT PACK CONTAINS THREE INDEPENDENT CIRCUIT FUNCTIONS:

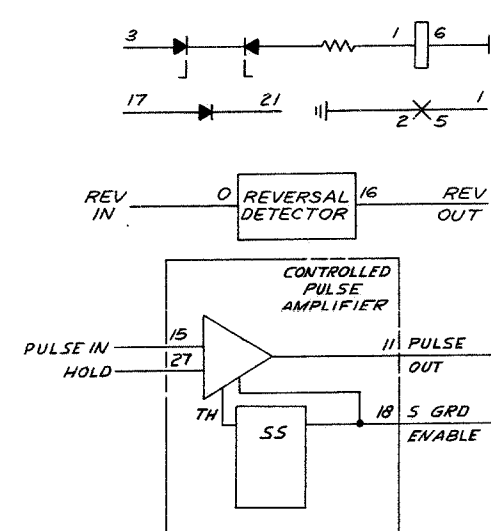
A COIN-DISPOSAL DETECTOR (RELAY K1),
A REVERSAL DETECTOR (TRANSISTORS Q3, Q4, AND Q5),
AND A CONTROLLED PULSE AMPLIFIER (TRANSISTORS Q1, Q2, AND Q6).

(FOR COMPLETE CD TEXT SEE CD-32539-01)

MANUFACTURING REFERENCES

CATEGORY	NO.
CIRCUIT PACK CODE	(2A) ED-32385, GR 1 (2B) ED-32385, GR 2
CONNECTOR ON FRAME	

SYMBOL



NOTES:

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

CPS I

ISSUE
16A

COIN TRUNK CIRCUIT

(2)

SD-32539-01-J1

BELL TELEPHONE LABORATORIES
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COMPONENT LIST

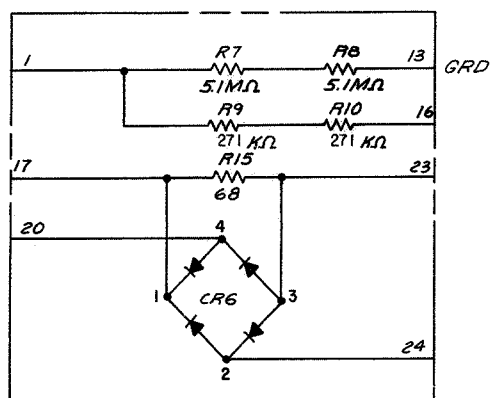
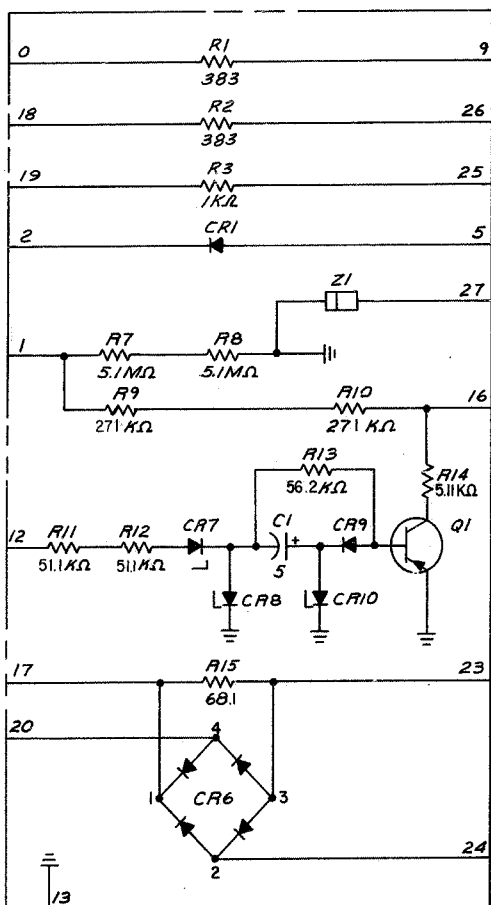
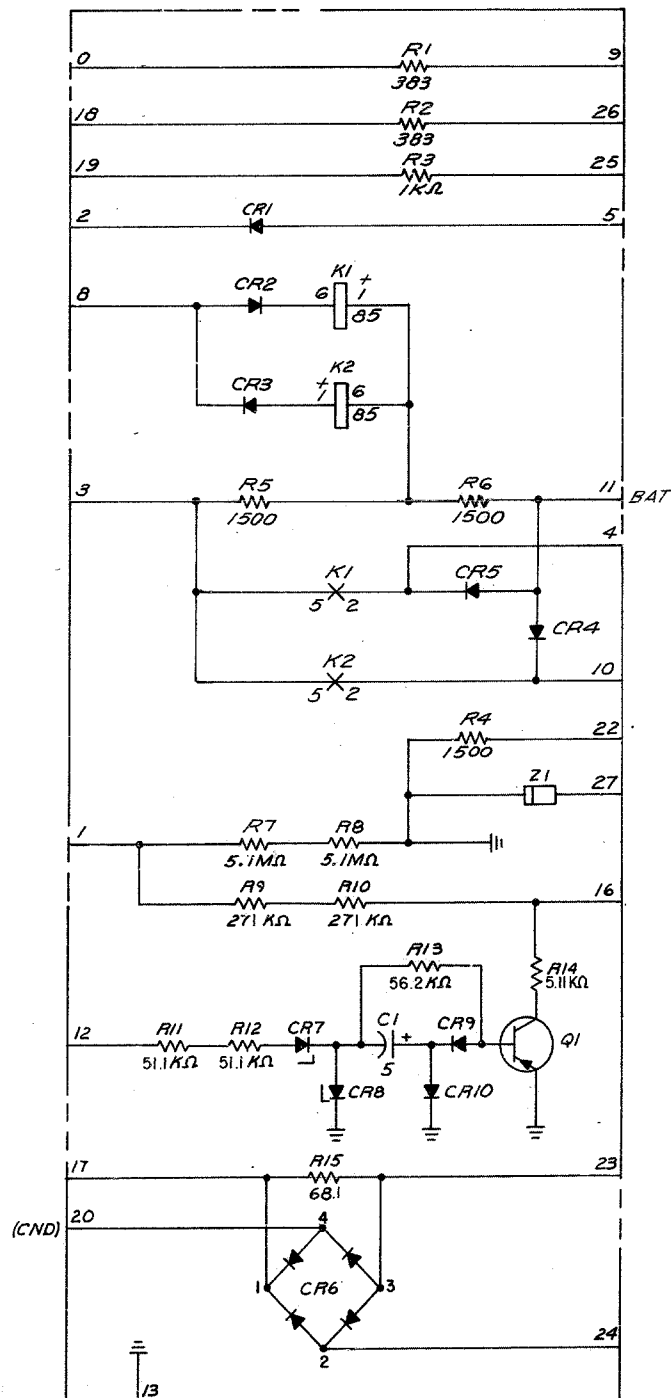
RELAY			DESIG	CODE
GRP 1	GRP 2	GRP 3		
		✓	K1	327C
		✓	K2	327C
			RELAY NOT ADJUSTABLE REPLACE WHEN THERE IS MALFUNCTION	
			CAPACITOR	
			DESIG	CODE
	✓	✓	C1	601A, 5UF
			DIODE	
			DESIG	CODE
	✓	✓	CR1	446F-533F
	✓	✓	CR2	458A
	✓	✓	CR3	458A
	✓	✓	CR4	458A
	✓	✓	CR5	458A
✓	✓	✓	CR6	460M
	✓	✓	CR7	446F-808BH
	✓	✓	CR8	459BA
	✓	✓	CR9	458A
	✓	✓	CR10	458A
			NETWORK	
			DESIG	CODE
			Z1	185A 0.11UF
			RESISTOR	
			DESIG	CODE
	✓	✓	R1	221A, 383, KS-20810, LIA
	✓	✓	R2	221A, 383, KS-20810, LIA
	✓	✓	R3	KS-13492, L1, KS-20289, L6C, 1K
	✓	✓	R4	KS-13491, L1, KS-20289, L6C, 1500
	✓	✓	R5	KS-13492, L1, KS-20289, L6C, 1500
	✓	✓	R6	KS-13492, L1, KS-20289, L6C, 1500
✓	✓	✓	R7	KS-13490, L1, KS-19150, L1, 5.1M
✓	✓	✓	R8	KS-13490, L1, KS-19150, L1, 5.1M
✓	✓	✓	R9	KS-13490, L1, 270K, KS-20810, LIA, 271K
✓	✓	✓	R10	KS-13490, L1, 270K, KS-20810, LIA, 271K
	✓	✓	R11	KS-13490, L1, 51K, KS-20810, LIA, 51K
	✓	✓	R12	KS-13490, L1, 51K, KS-20810, LIA, 51K
	✓	✓	R13	KS-16645, L1, 56K, KS-20616, LIA, 56.2K
	✓	✓	R14	KS-16645, L1, 51K, KS-20616, LIA, 51K
✓	✓	✓	R15	KS-13491, L1, 68, KS-20289, L6C, 681
			TRANSISTOR	
			DESIG	CODE
	✓	✓	Q1	51B

INPUT/OUTPUT INFORMATION

THIS INFORMATION INCLUDED IN CIRCUIT DESCRIPTION.

CIRCUIT DESCRIPTION

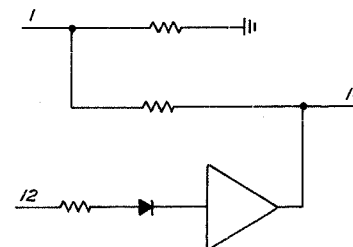
THIS CIRCUIT PACK CONTAINS A BATTERY AND GROUND SIGNAL DETECTOR (RELAYS K1 AND K2) AND AN INHIBIT AMPLIFIER (TRANSISTOR Q1). THE CAPACITOR-RESISTOR-DIODE NETWORK ASSOCIATED WITH THE BASE OF Q1 PROVIDE FOR A RAPID TURN ON WITH A DELAYED TURN OFF. DIODE CR7 MAKES THE AMPLIFIER INSENSITIVE TO VOLTAGES LESS THAN 62 VOLTS (NEGATIVE). THE REMAINDER OF THIS CIRCUIT PACK IS USED FOR COMPONENT MOUNTING. (FOR COMPLETE CD TEXT SEE CD 32539-01.)

⑥ CPS 2
ED-32386, GR 1⑦ CPS 3
ED-32386, GR 2⑧ CPS 4
ED-32386, GR 3

MANUFACTURING REFERENCES

CATEGORY	NO.
CIRCUIT PACK CODE	ED-32386, GR 1 ED-32386, GR 2 ED-32386, GR 3
CONNECTOR ON FRAME	

SYMBOL



REMAINDER OF CPS SHOWN IN DETAIL IN FS.

NOTES:

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

CPS 2,3 & 4

ISSUE
14B

COIN TRUNK CIRCUIT

②

SD-32539-01-J2

BELL TELEPHONE LABORATORIES
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COMPONENT LIST

CAPACITOR

DESIG	CODE
C1	542AJ
C2	535GH
C3	535GJ
C4	535GH

DIODE

DESIG	CODE
CR1	426F 813C
CR2	458A
CR3	446F 533K
CR4	446F 533K
CR5	446F 533F

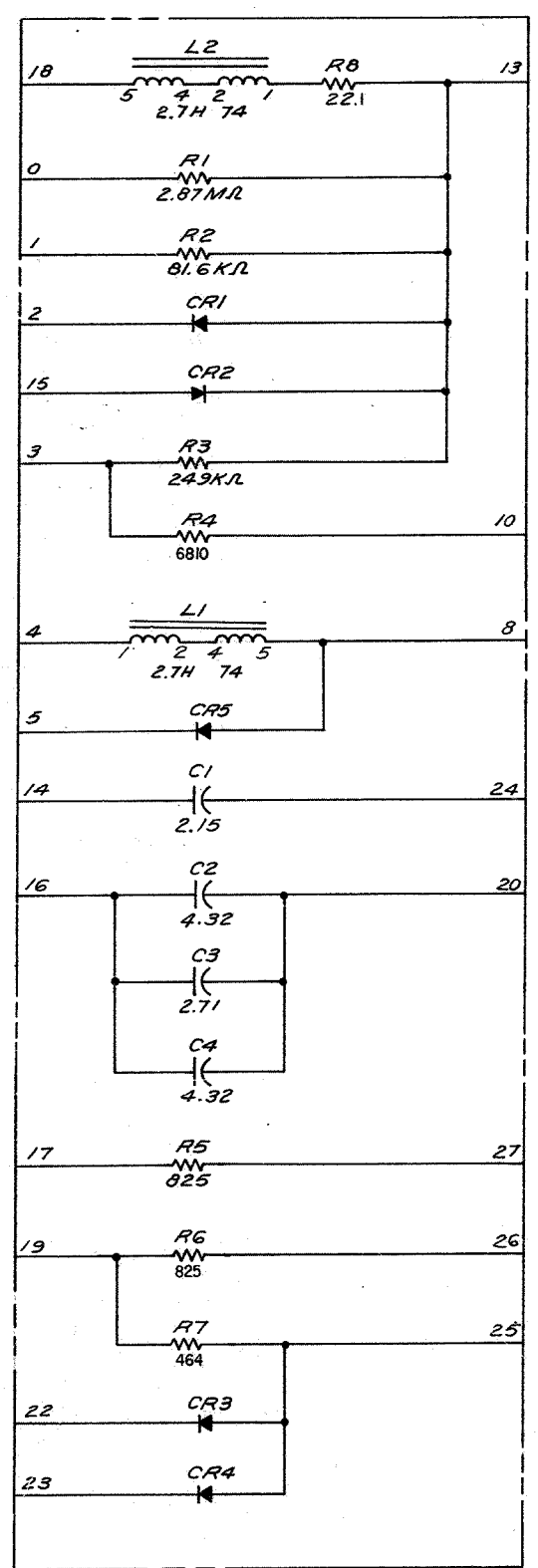
INDUCTOR

DESIG	CODE
L1	1626A
L2	1626A

RESISTOR

DESIG	CODE
R1	263A, 2.87M Ω , 745A
R2	224A, 81.6K Ω , KS-20810, L1A
R3	224A, 249K Ω , KS-20810, L1A
R4	*5-13490, L1, 6800 KS-20810, L1A, 6810
R5	KS-20289, L6C, 825, 746A
R6	*5-13492, L1, 820 KS-20289, L6C, 825
R7	*5-13492, L1, 470 KS-20289, L6C, 464
R8	*5-13492, L1, 22 KS-20289, L6C, 22.1

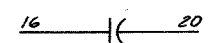
CPS 5



MANUFACTURING REFERENCES

CATEGORY	NO.
CIRCUIT PACK CODE	ED-32387, GR 1
CONNECTOR ON FRAME	

SYMBOL



REMAINDER OF CPS SHOWN
IN DETAIL IN FS

NOTES:

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

CPS 5

ISSUE
14B

COIN TRUNK CIRCUIT

2

SD-32539-01-J3

BELL TELEPHONE LABORATORIES
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SD-32539-01-J3