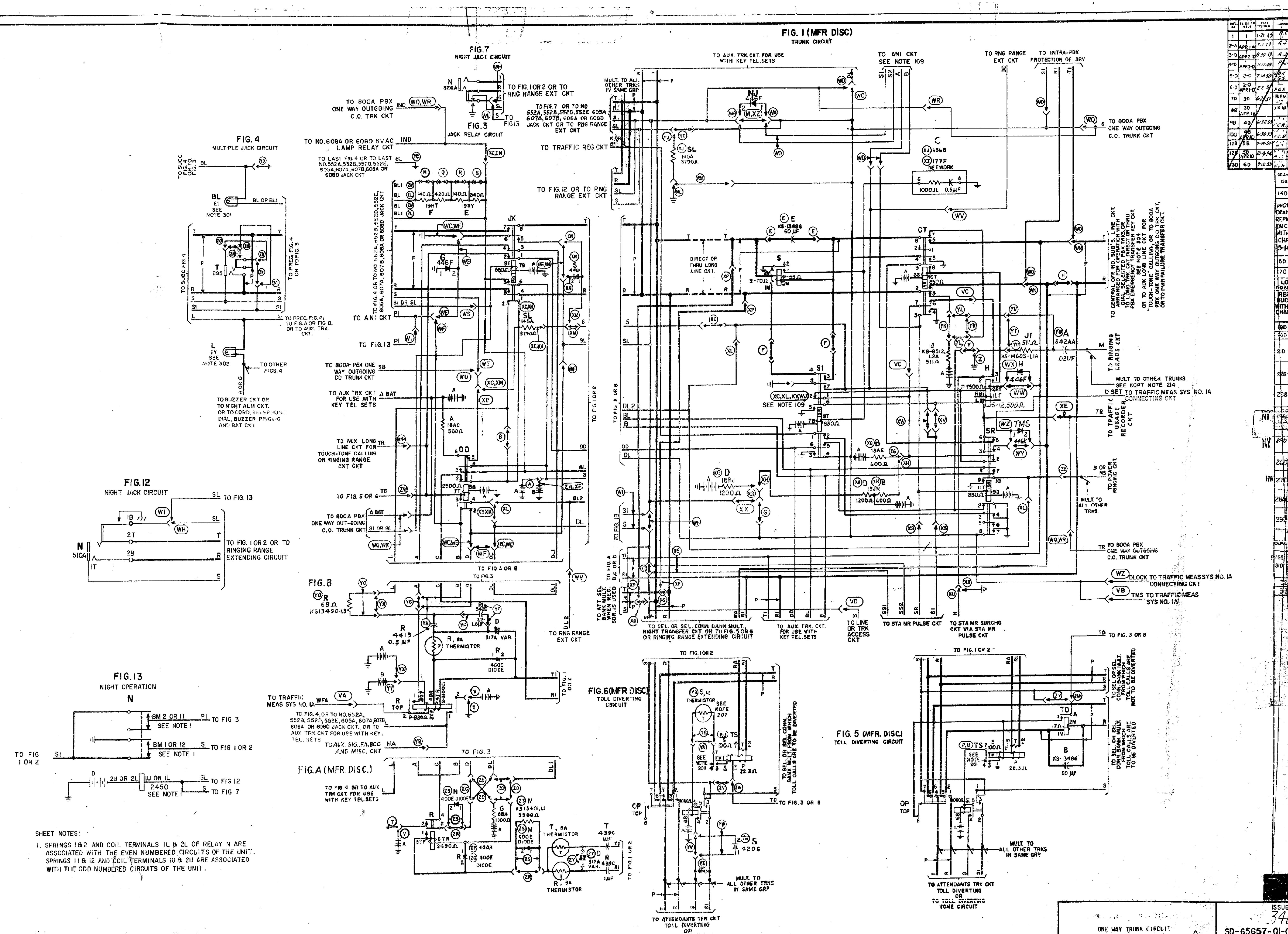

SHEET NOTES:

1. SPRINGS 1 & 2 AND COIL TERMINALS 1L & 2L OF RELAY N ARE ASSOCIATED WITH THE EVEN NUMBERED CIRCUITS OF THE UNIT. SPRINGS 11 & 12 AND COIL TERMINALS 1U & 2U ARE ASSOCIATED WITH THE ODD NUMBERED CIRCUITS OF THE UNIT.

ONE WAY TRUNK CIRCUIT

2 WAY TRUNK CIRCUIT

BELL TELEPHONE LABORATORIES
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DWG SIZE 10S

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ISSUE 34B

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CIRCUIT REQUIREMENTS

NO.701A,701B,702A,711A,711B,OR 740E PBX CENT. OFF. TRK. CKT. (OG CO TRK) OR (2W CO TRK)

APPARATUS DESIG	CODE	OPT	FIG	RESID	MECH REQ BSP FIG.	CONT PRES	ARM TRVL	CIRCUIT PREPARATION BLOCK OR INSULATE	TEST CLIP DATA CONN.BAT.	CONN.GRD.	TEST SET PREP	SEE TEST NOTE	DIRECT CURRENT FLOW REQ TEST WDG	TEST FOR	AFTER SOAK MA	TEST MA	READJ MA	REMARKS
RELAYS																		
CT	Y293		1,2		215/145	H	47	5B(CT)		T(CT)	GRD	1		0	FS	23	21.5	
										T(CT)	GRD	1		H	FS	4.4	4.1	
										T(CT)	GRD	1		R	FS	1.2	1.3	
DD	U218		3		120/110	H	35	3B(DD)		T(DD)	GRD	6		0		6.8	6.4	
DD	U481		8		128/108	H	47	4B(DD)		T(DD)	GRD	6		0		11.2	10.6	
H	S534		1				SPL	(S1)0, (SR)0, (CT)NO	2T(S1)		BAT	2	P	0	FS	3.3	3.1	CONNECT DIRECT GRD. TO 5T(CT)
									2T(S1)		BAT		P	NO	FS	2.4	2.6	
									2T(S1)		BAT		P	R	FS	2.2	2.3	
H	S534		2				SPL	(S1)0, (SR)0, (CT)NO	2T(S1)		BAT	2	P	0	FS	3.3	3.1	CONNECT DIRECT GRD. TO 7T(CT)
									2T(S1)		BAT		P	NO	FS	2.4	2.6	
									2T(S1)		BAT		P	R	FS	2.2	2.3	
									2T(S1)	1T(S1)	M	3	P/S	0		1.7		
									2T(S1)	1T(S1)	M	3	P/S	R		1		
JK	U1220		3		151/120	H	41			T(JK)	GRD			0		33.5	31.5	
										T(JK)	GRD			NO		20.5	22.5	
JK	U1070		8		317/317	H	59		BR(JK)		BAT	4	S	0	130	51.5	49	
									BR(JK)		BAT		S	0			130	
									BR(JK)		BAT	5	S	NO		95	100	
									2T(JS)	1T(JS)	M		P/S	0		34		
										9TR(JK)	GRD	7	P/S	0		34	32	
JS	U624	YI	8		101/101	H	29			T(JS)	GRD			0		6.7	6.3	
N	1/2AK23		13		3				1U(N)		GRD					7.8	7.4	
N	1/2AK23		13		3				1L(N)		GRD					7.8	7.4	
OP	U1055		5,6		335/130	H	62	5T(OP)		T(OP)	GRD			0		23.5	22	
R	UA4		A		111/136	SPL	SPL			TF(R)	GRD	11,12		0			3.1	WITH "G" OPT. BLOCK (DD) 0 WITH "ZC" OPT., INS. 1T(R) WITH "ZD" OPT.
										TF(R)	GRD			NO			2.3	
										TF(R)	GRD			H			1.7	
												13,14				AC	AC	
R	UA71		C		111/101	SPL	SPL	5T(JK)		T(R)	GRD	8,9		0	FS	4.6	4.4	
										T(R)	GRD			NO	FS	3	3.2	
												10		0		AC	AC	INS 1T(S)&1T(SR)
R	UA144		B,D		101/101	H	29	(JK)0		TF(R)	GRD		P	0		9.2	8.7	
										TF(R)	GRD		P	NO		5.8	6.2	
									BR(R)	TR(R)	B/G		S	0		4.4		
												10				AC	AC	
R1	J62		2		5		23	CT(NO)		2M(R1)	GRD			0		3.5	3.3	
S	B1175		1,2		8		30	(ST)NO	2M(S)		BAT	17	P	0	150	5.8	5.5	FOR USE WITH "E" OPTION
								(CT)NO	2M(S)		BAT	17	P	R	150	3	3.2	
								(S1)NO	2M(S)		BAT	17	P	0	150	3.9	3.7	FOR USE WITH "F" OPTION
								(CT)NO	2M(S)		BAT	17	P	R	150	2.1	2.2	
S1	Y292		1,2		134/200	H	35	(SR)0		T(S1)	GRD	1		0	FS	23	21.5	
										T(S1)	GRD	1		H	FS	5.4	5.1	
										T(S1)	GRD	1		R	FS	1.5	1.9	
SR	Y250		1,2		193/152	H	47			T(SR)	GRD	1,15		0	FS	34	32	
										T(SR)	GRD	1		H	FS	6.1	5.8	
										T(SR)	GRD	1		R	FS	1.2	1.6	
T	U6025		8		191/191	H	35			T(T)	GRD			0		22	20.5	
TD	8148		5		1		30	2T(OP)	1M(TD)	2M(TD)	B/G			0		9.4	8.9	
								2T(OP)	1M(TD)	2M(TD)	B/G			R		2.9	3.1	
TS	239GC OR 280CY	U	5,6		8			2T(S1), 2T(SR)	5(TS)	2(TS)	B/G		P//T	0	-85		1.7	
									5(TS)	2(TS)	B/G		P//T	NO	-85		1.2	
		P							5(TS)	2(TS)	B/G		P//T	0	-85	8.2	7.8	
									5(TS)	2(TS)	B/G		P//T	R	85	2.4	2.6	
								(OP)NO		1(TS)	GRD	16	S	0		25.5		

TEST NOTES:

1. ADJACENT RELAYS SHALL NOT BE ENERGIZED. SEE BSP.
2. ARM. TRVL. 40± 1. ARM. BASE GAP SPL. 30±2.
3. REQUIREMENT FOR "X" OPTION ONLY.
4. TO MAKE 6T-7T, 6B-7B ONLY; SPRINGS 6T-7T, 6B-7B SHALL MAKE BEFORE TOP OR BOTTOM STUD STRIKES BUFFER SPRING.
5. WITH THIS CURRENT, STUD GAPS OF 4T,4B SPRINGS SHALL BE PERCEPTIBLE. 6T-7T, 6B-7B MAY MAKE.
6. WHEN AUX. TRK. CKT. SD-65725-01 IS CONN TO THIS CKT., BLOCK REL (AT) OF THAT CKT. OPERATED.
7. FOR USE WITH "YJ" OPTION.
8. CONTACTS SHALL MAKE WITH 4 TEST, 6 READJ., GUAGE BETWEEN STOP PINS AND CORE.
9. ARM TRVL. MIN. 17, MAX. 20.
10. TEST AND READJ. RELAY (R) FIG. B, C OR D FOR OPERATION ON RING CURRENT WITH EITHER A OR B REQUIREMENT
    A. BY RINGING FROM CENTRAL.
    B. BY CONNECTING MIN. 95V., MAX. 111V., 1100 TO 1200 RPM. RINGING CURRENT THROUGH A 12C OR 13C RES LAMP AND 7000 Ω NON INDUCTIVE RES. TO 1B(CT) AND RING. GRD. TO 6T(CT) FIG. 2 OR 5T(CT) FIG. 1. REVERSE CONNECTIONS AND REPEAT TEST B.
11. ARM. TRVL. 23 MAX.
12. CONTS. MAKE READJ. 6, TEST 4.
13. TEST AND READJ. REL. (R) FIG. A FOR OPERATION, ON RING. CUR. WITH EITHER A OR B REQ.
    A. BY RING. FROM CENTRAL OFFICE.
    B. BY CONNECTING MIN. 95V (1100 TO 1200 RPM.) RING. CUR. IN SERIES WITH A 13B RES. LAMP (OR EQUIVALENT) AND 13,000Ω NON-IND RES. TO 1B(CT) AND RING. GRD. TO 5T(CT) FIG. 1 OR 6T(CT) FIG. 2 REVERSE CONNECTIONS AND REPEAT TEST B.
14. BLOCK (R1)NO IN FIG. 2.
15. WITH A 13 MIL. GA. BETWEEN THE ARM. AND CORE 3T-4T SHALL BREAK BUT 5T-6T SHALL NOT MAKE. 5T-6T SHALL MAKE READJ. 6, TEST 4.
16. CONN. DIRECT BAT. TO 6(TS) WITH FIG. 6, REMOVE WIRE FROM 1(TS).
17. USE BAT KEY WHEN YK OPTION IS USED. USE GRD KEY WHEN YL OPTION IS USED.

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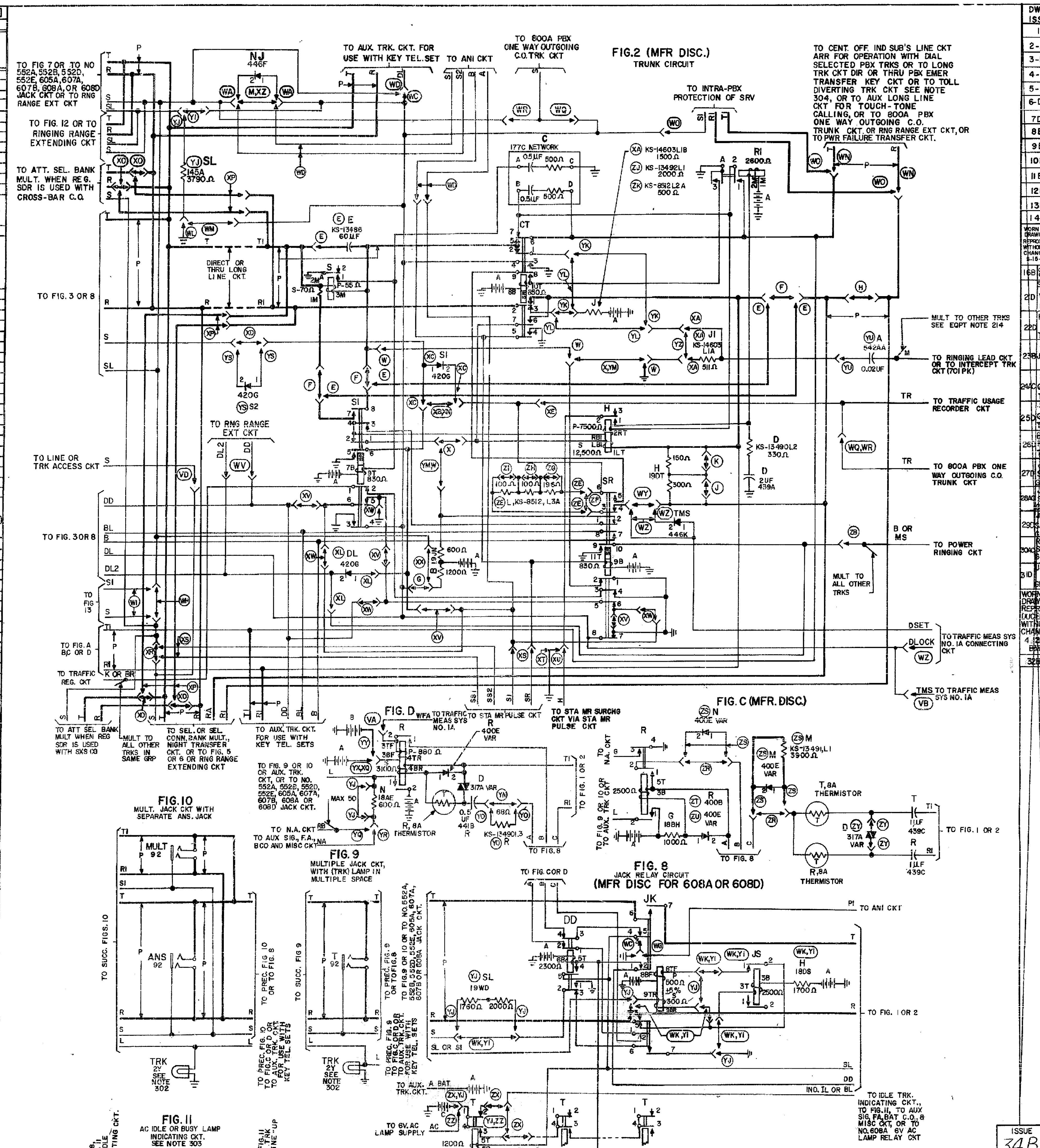

ISSUE 34B

ONE-WAY TRUNK CIRCUIT
TWO-WAY TRUNK CIRCUIT

SD-65657-01-02

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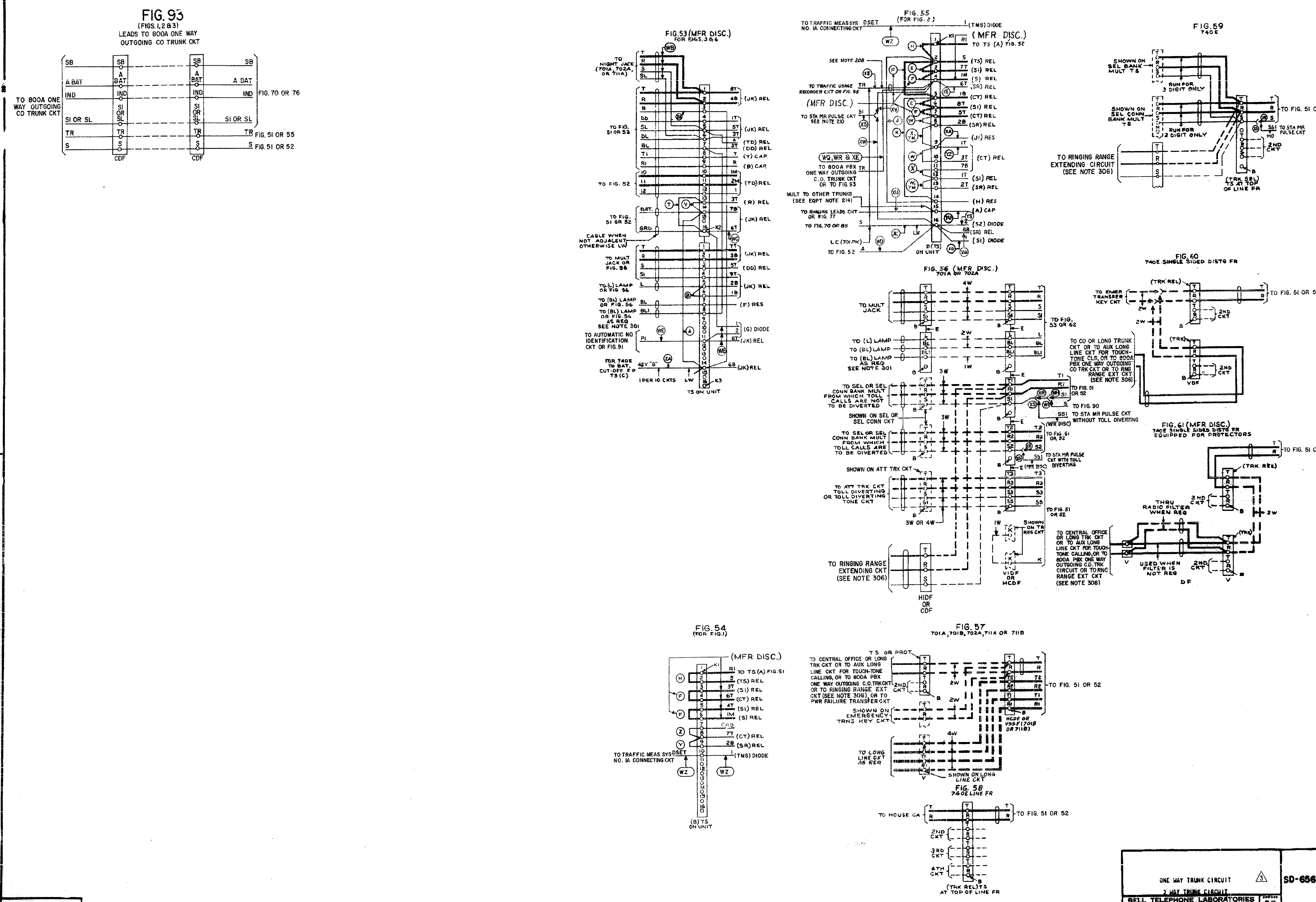


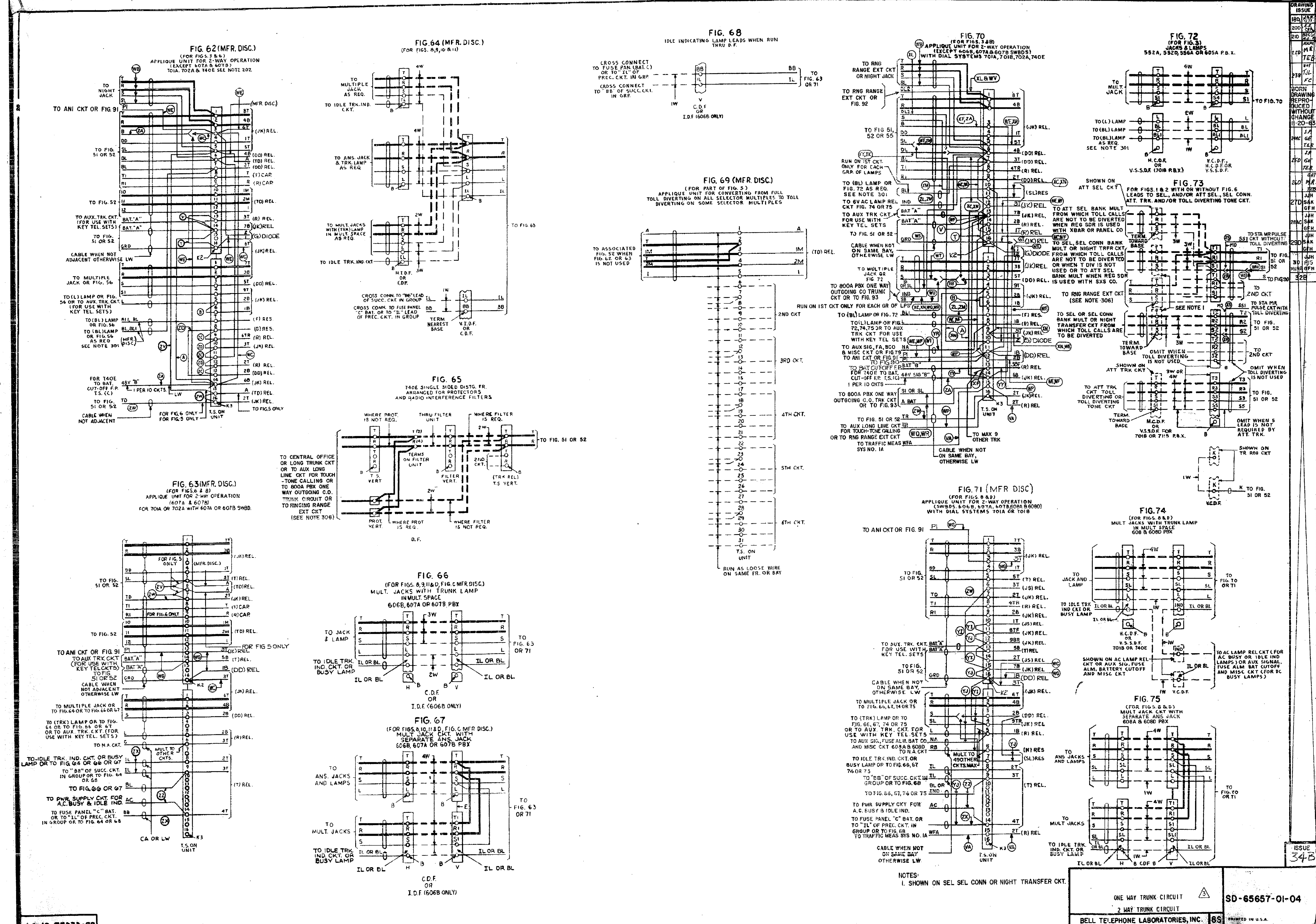
ISSUE 34B

ONE WAY TRUNK CIRCUIT
2 WAY TRUNK CIRCUIT

BELL TELEPHONE LABORATORIES INCORPORATED

SD-65657-01-03

8S



NOTES:
1. SHOWN ON SEL SEL CONN OR NIGHT TRANSFER CKT.

ONE WAY TRUNK CIRCUIT
2 WAY TRUNK CIRCUIT
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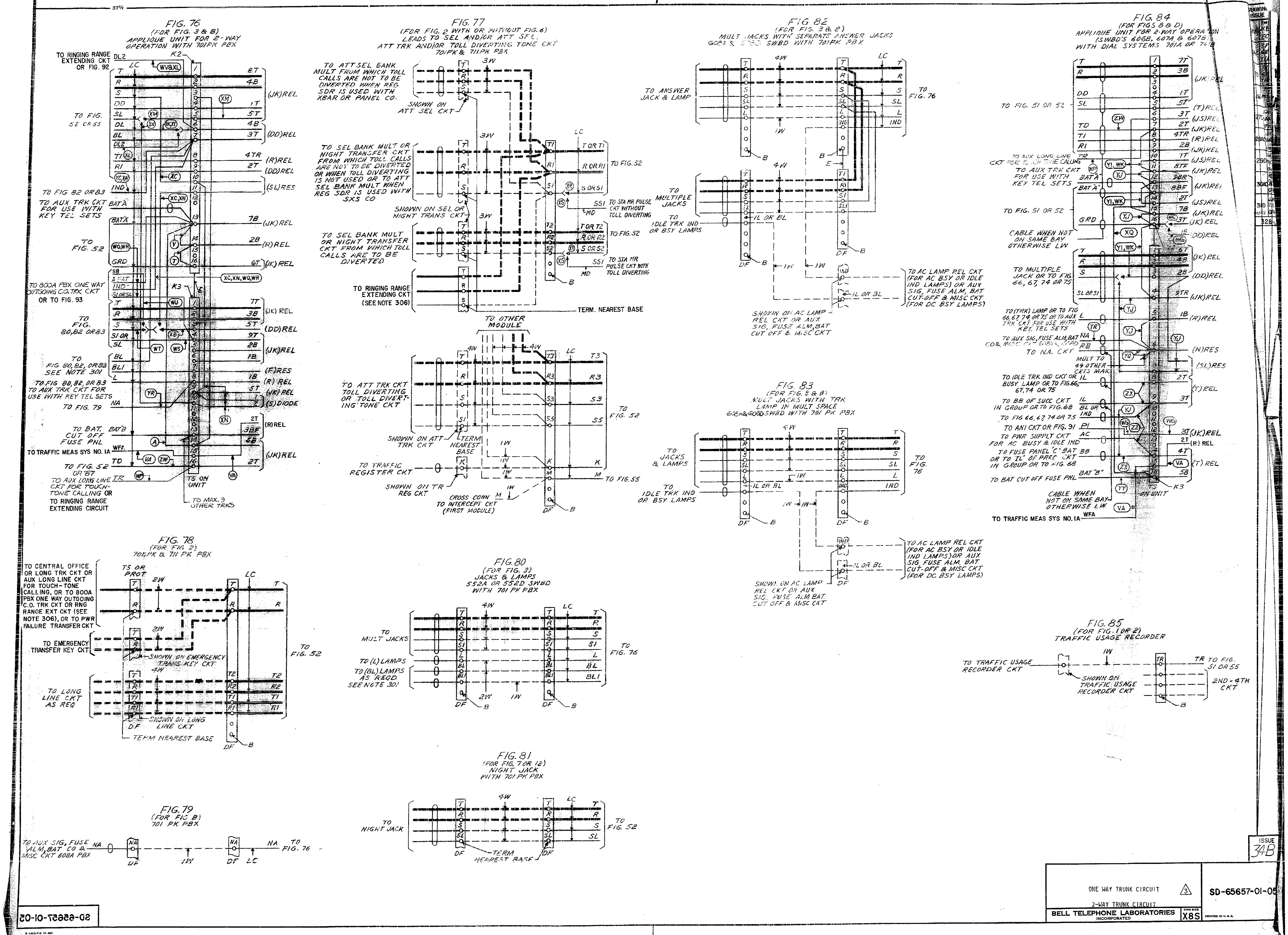
FIG. 76
(FOR FIG. 3 & 8)
APPLIQUE UNIT FOR 2-WAY OPERATION WITH 701PK PBX
FIG. 77
(FOR FIG. 2 WITH OR WITHOUT FIG. 6)
LEADS TO SEL AND/OR ATT SEL. ATT TRK AND/OR TOLL DIVERTING TONE CKT
701PK & 711PK PBX
FIG. 82
(FOR FIG. 3 & 8)
MULT JACKS WITH SEPARATE ANSWER JACKS 608A & 608D SWBD WITH 701PK PBX
FIG. 84
(FOR FIGS 8 & D)
APPLIQUE UNIT FOR 2-WAY OPERATION (SWBD'S 608B, 607A, & 607B) WITH DIAL SYSTEMS 701A OR 701B
FIG. 83
(FOR FIG. 3 & 8)
MULT JACKS WITH TRK LAMP IN MULT SPACE 608A & 608D SWBD WITH 701 PK PBX
FIG. 78
(FOR FIG. 2)
701PK & 711 PK PBX
FIG. 80
(FOR FIG. 3)
JACKS & LAMPS 552A OR 552D SWBD WITH 701 PK PBX
FIG. 85
(FOR FIG. 1 OR 2)
TRAFFIC USAGE RECORDER
FIG. 81
(FOR FIG. 7 OR 12)
NIGHT JACK WITH 701 PK PBX
FIG. 79
(FOR FIG. 8)
701 PK PBX
ISSUE 34B
SD-65657-01-05
ONE WAY TRUNK CIRCUIT
2-WAY TRUNK CIRCUIT
BELL TELEPHONE LABORATORIES INCORPORATED
X8S

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CIRCUIT NOTES:

101.

DESIG	AMP	POTENTIAL FUSED	ONE PER
A	1-1/3	48V SIG.	CKT
*B	1-1/3	48V SIG.	10 CKTS
C	1-1/3	48V SIG.	FIRST CKT OF INDICATING LP GRP
D	1-1/3	48V SIG.	20 FIG. 13
AC	1-1/3	6V AC SUPPLY	CKT

* BAT. "B" SHALL BE SUPPLIED THRU THE BAT. CUT-OFF CKT.

102.

FEATURE OR OPTION					PROVIDE FIGS	PROVIDE APP OR WRG	PROVIDE QUANTITY
OUT-GOING OR 2-WAY TRK	701A, 701B, 702A, 711A, 711B, OR 740E (NOTE 107)	LONG TRK CKT (NOTE 106)			1		1 PER TRK
		MAN C.O.			1	Z	1 PER TRK
		PANEL, CROSSBAR OR ESS C.O.			1	Y	1 PER TRK
		701PK OR 711PK (NOTES 209 & 305)	LONG TRK CKT (NOTE 106)		2		1 PER TRK
			MAN. C.O. TO BE CONV'T'D TO SXS		2	W	1 PER TRK
			SXS C.O.		2	X	1 PER TRK
			PANEL, CROSSBAR OR ESS C. O.		2	YM	1 PER TRK
			TRK COND. LOOP RES	0-350Ω	2	ZE	1 PER TRK
				350-525Ω	2	ZE, ZH	1 PER TRK
				525-600Ω	2	ZE, ZG	1 PER TRK
				600-750Ω	2	ZE, ZG, ZH	1 PER TRK
				OVER 750Ω	2	ZE, ZG, ZH, ZI	1 PER TRK
	SXS C.O. WITH NIGHT OR THRU DIAL OPR.	TRK COND. LOOP RES.	0-199Ω		2		
			200-350Ω		2	K	
			351-500Ω		2	J	
			OVER 500Ω		2	K, J	
2-WAY TRK	JACK RELAY CKT.	552A 552D 556A 605A 608A OR 608D	556A		3	B, YF, XB	1 PER TRK
			608A, 608D		3	YR, XN	1 PER TRK
			552A, 552D OR 605A		3	XB	1 PER TRK
			740E		3	XF	1 PER TRK
			701A, 701B OR 702A		3	A	1 PER TRK
			NUMBER OF BUSY LAMPS CONNECTED TO "BL1" LEAD	1	3	N	1 PER TRK
				2	3	N, R	1 PER TRK
				3	3	Q	1 PER TRK
				4	3	N, Q	1 PER TRK
				5	3	N, Q, R	1 PER TRK
				6	3	S	1 PER TRK
				7	3	S, R	1 PER TRK
				8	3	N, S, R	1 PER TRK
				9	3	S, Q	1 PER TRK
				10	3	Q, R, S	1 PER TRK
			WHEN AUX TRK IS	REQ'D	3	V	1 PER TRK
				NOT REQ'D AND ASSOC SWBD. HAS GRD. AUX.	3	V	1 PER TRK
				NOT REQ'D AND ASSOC SWBD. HAS BAT. AUX.	3	T	1 PER TRK
		606B, 607A, OR 607B	BAT SUPPLY (NOTE 108)	NON CUTOFF	8	XQ	1 PER TRK
				CUTOFF	8	YY	1 PER TRK
	MULT JACK	552A, 552D, 556A OR 605A	LAST		4	YD	1 PER APP
			OTHER		4		1 PER APP
		606B, 607A, 607B	TRK LAMP IN MULT SPACE		9		1 PER APP
			SEPARATE ANSWER JACK		10		1 PER APP
	NIGHT JACK	552A, 552D, 556A OR 605A	YES		7	WA	1 PER TRK
			NO		7	XZ	1 PER TRK
		608A, 608D	YES		12	YJ, WA, WM	1 PER TRK
			NO		12	XZ	1 PER TRK
	LAMP CKT	606B, 607A, 607B	IDLE LAMP INDICATING		11	ZX	1 PER FIG. 9 OR 10. MAX. 30 PER FIG.
			BUSY LAMP		11	ZZ	1 PER FIG. 9 OR 10. MAX. 30 PER FIG.
TOLL DIVERTING	OUTGOING TRK WITH NIGHT JACK	YES			6	YW, ZV	1 PER TRK
		NO			6	YV, ZV	1 PER TRK
	2-WAY TRK				6	ZW	1 PER TRK
	NO					H	
2 DIGIT PBX (SWBDS OTHER THAN 606B, 607A OR 607B)						XX	
USED WITH LONG LINE CKT, ARR. TO REPEAT RINGING AND RINGING SOURCE IS NOT IN CONST. OPERATION						ZB	
CALLS FALSELY DIVERTED TO PBX ATT. ON CALLS THRU PANEL AND CROSSBAR OFFICES WHEN TANDEM OFF. FINDS ALL TRKS BUSY	NO					YA	
	YES					YB	
REGISTER SENDER EQUIPPED FOR DIAL TONE MONITORING	NO					YL	
	YES					YK	
AUDIBLE SIGNAL WHEN CONNECTED TO TOLL SUB. LINE CKT IS	REQ'D					YU	
	NOT REQ'D					YT	
WHEN TRAFFIC USAGE RECORDER IS REQ'D						XE	
WHEN STATION MR PULSE CKT IS	REQD	WITH STATION MR SURCHARGE CKT				XS, XU	
		WITHOUT STATION MR SURCHARGE CKT				XS, XT	
	NOT REQD					XR, XT	
AUTOMATIC NUMBER IDENTIFICATION (SEE NOTE 109)	NOT REQUIRED					WC, WH	1 PER TRK
	REQD	OUTGOING				WD	1 PER TRK
		2 WAY TRK	552A, 552D, 556A OR 605A			WE, WD	1 PER TRK
			606B, 607A OR 607B			WG, WD	1 PER TRK
			608A, 608D			WF, WD	1 PER TRK
		NIGHT JACK	NO			WH	1 PER TRK
			YES		13	WI	1 PER TRK

CONTINUED

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CIRCUIT NOTES: (CONT)

103.

RECORD OF FIGURES, WIRING AND APPARATUS CHANGES

CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT STD	USE IN CIRCUIT A&M	USE IN CIRCUIT MD	
3D	P OR U	U		P		U	
5D				FIGS. 8 9,10 & 11			
5D	ZC OR ZD	ZC		ZC, ZD			
5D	ZE OR ZF	ZF	102	ZE		ZF	
5D	ZJ OR ZK	ZK		ZJ		ZK	
6D	ZL OR ZM	ZL		ZM		ZL	
6D	ZN OR ZO	ZN		ZO		ZN	
6D	ZP OR ZQ	ZP		ZQ		ZP	
9B	ZR OR ZS	ZR		ZS		ZR	
9B	ZT OR ZU	ZT		ZU		ZT	
10D	ZV OR ZW	ZV	102	ZV, ZW			
11B	ZY	NONE		ZY			
11B				ZR		ZS	
13D	ZX OR ZZ	ZX		ZX, ZZ			
13D				E		F	
14D						FIG. 5	
14D	FIG. A, B C OR D	A OR C		B, D		A, C	
14D	YA OR YB	YA	102	YA, YB			
14D	YC OR YD	YC	102	YD		YC	
15D	YE	NONE	102	YE			
16D						YE	
20D	YF	NONE		YF			
20D	YG OR YH	YG		YH		YG	
21D	YI OR YJ	YI, ZX OR ZZ	102	YI, YJ			
21D			102	FIG. 12			
22D	YK OR YL	YK	102	YK, YL			
23B	YM	W OR X		W, X, YM			
23B	YN OR YO	YN		YO		YN	
23B	YQ OR YR	NONE		YQ, YR			
23B	YS	NONE		YS			
23B	YT OR YU	YT		YT, YU			
23B	YV OR YW	YV		YV, YW			
23B	YX OR YY	YX		YY		YX	
23B	YZ, ZJ, XA	YZ		XA		YZ, ZJ	
23B	XB OR XC	XB		XB, XC			
23B	XD OR XE	NONE		XD, XE			
23B	ZA OR XF	ZA	102	XF		ZA	
24AC	XQ					XC, XD, YS	
24AC	XM OR XN	XM		XN		XM	
24AC	XO OR XP	XO		XP		XO	
24AC	XQ	YX OR YY	108	XQ			
25D	XG OR XH	XG		XH		XG	
25D	XI OR XJ	XI		XJ		XI	
25D	XK OR XL	XK		XL		XK	
25D				M			
26D	XS OR XR	XR	102	XR, XS			
26D	XU OR XT	XT	102	XU, XT			

CONTINUED

104. (MFR. DISC.) EXISTING CIRCUITS EQUIPPED PER FIG. 2 AND "X" OPTION FOR USE WITH A STEP BY STEP CENTRAL OFFICE CAN BE CONNECTED TO A CROSSBAR OFFICE WITHOUT CHANGE.

105. THE FOLLOWING TABLE SHOWS INFORMATION FOR RE-USE OF OPTIONS RATED "MFR. DISC".

FEATURE OR OPTION		PROVIDE FIGS.	PROVIDE APP OR WRG	PROVIDE QUANTITY
JACK RELAY CIRCUIT	556A	3, A	B, ZC, ZQ, ZS, ZY	1 PER TRK
	552A, 552D, 605A	3, A	ZD, ZQ, ZS, ZY	1 PER TRK
	WITH 740E	3, A	ZA	1 PER TRK
	WITH 701A, 701B, 702A	3, A	A	1 PER TRK
	606B, 607A, 607B	8, C	ZS, ZU, ZY	1 PER TRK
TRAFFIC MEAS SYSTEM NO. 1A	WAITING TIME FOR ATTENDANT		VA	
	TRUNK BUSY OUTGOING		WZ	
	TRUNK BUSY		VB	

106. THE OPTIONS TO BE USED WITH FIG. 1 OR 2 WHEN CONNECTED TO A LONG TRUNK CIRCUIT ARE THE SAME AS THE OPTIONS USED WHEN FIG. 1 OR 2 IS CONNECTED TO THE LOCAL CENTRAL OFFICE.

107. FIG. 2 MAY BE USED WITH 701A, 701B, 702A, 711A, 711B OR 740E PBX'S WHEN IT IS DESIRED TO HAVE A TRUNK CIRCUIT WHICH CAN BE USED INTERCHANGEABLY WITH BOTH SXS AND ANY OTHER TYPE CENTRAL OFFICE.

108. XQ OPTION IS A REINSTATED PORTION OF YX OPTION (MFR DISC) AND IS REQUIRED FOR THE 606B, 607A, AND 607B PBX. YY OPTION IS RETAINED IN FIG. 8 AND D FOR THE 608A & 608D PBX USING FIG. 8 AND D PRIOR TO ISSUE 23B.

109. IF AUTOMATIC NUMBER IDENTIFICATION IS REQUIRED WITH FIG. 1 AND JOB RECORDS DO NOT SPECIFY OPTIONS XC OR XY, WIRING WJ MUST BE PROVIDED, OR IF JOB RECORDS SPECIFY OPTION XL FOR FIG. 1, FIG. 1 MUST BE UP-DATED TO ISSUE 28AC OR LATER OF THIS DRAWING PRIOR TO APPLICATION OF AUTOMATIC NUMBER IDENTIFICATION.

110. WHEN THIS CIRCUIT IS USED WITH REGISTER SENDERS NOT EQUIPPED FOR DIAL TONE MONITORING, OPTION YL MUST BE PROVIDED.

111. OPTION VC SHOULD BE REMOVED TO ELIMINATE AN UNNECESSARY CURRENT DRAIN THROUGH THE B RESISTOR.

EQUIPMENT NOTES:

201. MOUNT THE 239 TYPE RELAYS ON 3-1/2 MIN CENTERS VERTICALLY AND HORIZONTALLY WITH RESPECT TO ALL APPARATUS EXCEPT THAT NO RESTRICTIONS ARE REQUIRED WHEN MOUNTING THESE RELAYS ADJACENT TO CAPACITORS, NONINDUCTIVE APPARATUS, OR 231 OR 239 TYPE RELAYS.

202. (MFR. DISC) IN FIG. 62 THE ZD STRAPS SHALL BE FURNISHED BY THE SHOP. IF THE TRUNK IS TO BE USED IN A PBX WITH A 556A SWITCHBOARD, THE INSTALLER SHALL REMOVE THESE STRAPS AND ADD ZC STRAPS.

203. ON ISSUE 5D, FIGS. 53 AND 61 WERE RATED MFR DISC AND FIGS. 62, 63, 64 AND 65 WERE ADDED.

204. ON ISSUE 11B, FIG. 64 WAS RATED MFR DISC AND REPLACED BY FIGS. 66, 67 AND 68.

205. IN SOME CASES IN ORDER TO UTILIZE PRESENT STANDARD UNITS WITH THE AUX TRK CKT, IT MAY BE NECESSARY TO HAVE FOUR LEADS ON THE PUNCHINGS.

206. ON ISSUE 14D, FIGS. 56, 62 AND 63 WERE RATED MFR DISC. FIGS. 70, 71 AND 72 WERE ADDED, 701A AND 702A PBX'S RATED A&M ONLY, 701B AND 711B ADDED.

207. THE IC THERMISTOR(S) SHALL BE ORDERED AND INSTALLED LOCALLY BY REMOVING THE WIRE FROM TERMINAL 7 OF THE (TS) RELAY, INSTALLING THE THERMISTOR ON TERMINAL 7 OF THE (TS) RELAY AND RECONNECTING THE REMOVED WIRE TO THE OTHER END OF THE (S) THERMISTOR.

208. WHEN XE OPTION IS REQUIRED, PROVIDE E OPTION AND REMOVE WIRE BETWEEN TERM 4 AND SEC WDG OF (S) RELAY.

209. FIGS. 2 AND 3 ARE EQUIPPED WITH ALL OPTIONAL EQUIPMENT FOR THE 701PK AND 711PK PBX'S. THE OPTIONS REQUIRED FOR EACH INSTALLATION SHALL BE PROVIDED BY THE APPLICATION OR REMOVAL OF STRAPS.

210. ON ISS 26D, FIG. 51, 52, 54 & 55 WERE RATED MFR DISC. AND REPLACED BY FIG. 86, 87, 88 & 89. MODIFICATION OF EXISTING TRUNK UNITS TO PROVIDE STATION MESSAGE REGISTER PULSE AND SURCHARGE SERVICE PER FIG. 1 OR 2 REQUIRES: SS2 LEAD PER FIG. 51 MFR DISC OR 52 MFR DISC, ST LEAD PER FIG. 51 MFR DISC, OR 55 MFR DISC, SS1 LEAD PER FIG. 56 MFR DISC, 59, 73 OR 77 OR IN PLACE OF S LEAD AT SEL OR SEL CONN BANK MULT OR AT NIGHT TRANSFER CKT, SR AND H LEADS WIRED DIRECTLY TO APPARATUS.

211. ON ISSUE 27D N.R. FIGS 51, 52, 54 & 55 WERE RERATED STANDARD, AND FIGS 86, 87, 88 & 89 REMOVED FROM SD.
SEE NOTE 210 FOR MODIFICATION OF EXISTING TRUNKS TO PROVIDE STATION MESSAGE REGISTER PULSE AND SURCHARGE SERVICE.

212. MODIFICATION OF EXISTING TRUNK UNITS TO PROVIDE FOR AUTOMATIC NUMBER IDENTIFICATION PER FIG 1 OR 2 REQUIRES WIRING LEAD B DIRECTLY TO APPARATUS.

213. ON ISSUE 31D, FIGURES 1, 2 AND 6 WERE RATED MFR. DISC.

214. MULT M LEADS IN GROUPS AS SPECIFIED BY RINGING LEADS CKT.

215. WHEN THIS TRUNK IS USED WITH F TYPE SIGNALING CKT OR LOOP SIGNALING REPEATERS, THE INSTALLER SHALL PROVIDE AND INSTALL THE H DIODE(WX OPTION), ON A JOB BASIS.

44-52V

WORKING LIMITS: XX

	MAX. EXT CKT. RES TO GROUND	MAX. EXT. CKT. LOOP AT 45V	MAX. EXT. CKT. LOOP AT 47.5V	MIN. INS. RES	EARTH POTENTIAL
(H) RELAY "X" OPTION		1300Ω	2590Ω	30,000Ω	
		2170Ω	3120Ω	50,000Ω	
		2570Ω	3670Ω	100,000Ω	
	4265Ω			X	0V, +20V
	2365Ω			X	-5V, +20V
	990Ω			X	-10V, -20V
	140Ω			X	-13V, -20V

X PANEL, MANUAL, OR CROSSBAR — 20,000Ω
STEP BY STEP — 30,000Ω
WITHOUT LONG LINE EQPT THE COMBINED TRUNK AND STATION MIN. INSULATION RESISTANCE SHOULD NOT BE LESS THAN THESE FIGURES.

XX WITHOUT LONG LINE EQPT. THE COMBINED LOOP OF MAX. EXTENSION STATION AND MAX. TRUNK CONDUCTOR LOOP PLUS THE SERIES RES. OF THE CORD CKT. WHEN FIG. 3 IS USED SHALL NOT EXCEED THE SUBSCRIBER LOOP RANGE OF CONNECTING CENTRAL OFFICE LESS.

"F" OPTION	33Ω
"E" OPTION	58Ω
"F" OPTION AND FIG. 6	56Ω
"E" OPTION AND FIG. 6	82Ω
"F" OPTION AND FIG. 5	74Ω
"E" OPTION AND FIG. 5	100Ω

CIRCUIT NOTE 102 (CONT)

FEATURE OR OPTION			PROVIDE FIGS	PROVIDE APP OR WRG	PROVIDE QUANTITY
LINE OR TRK ACCESS CKT FOR TOUCH-TONE CALLING REQUIRED				WP, VD	1 PER TRK
INTRA-PBX PROTECTION OF SERVICE CIRCUIT	NO			WN	1 PER TRK
	YES			WO	1 PER TRK
2-WAY MANUAL TRUNK CKT FOR 800 A ELECTRONIC PBX	NOT PROVIDED			WS	
	PROVIDED	WITH SLEEVE GROUND BUSY TEST AT SWBD		WR, WU	
		WITHOUT SLEEVE GROUND BUSY TEST AT SWBD		WR, WT	
RINGING RANGE EXTENDING CKT	REQD			WV	
F TYPE SIGNALING CIRCUITS OR LOOP SIGNALING REPEATER (SEE NOTE 215) REQUIRED.	YES		1	WX	
	NO		1	WW	

INFORMATION NOTES:

301. GROUPS OF 11 LAMPS SHALL BE CONNECTED TO "BL" LEAD. THE GROUP OF LESS THAN 11 LAMPS SHALL BE CONNECTED TO "BL1" LEAD. A MAXIMUM OF 44 (BL) LAMPS MAY BE CONNECTED.

302. MAXIMUM 8 TRUNK LAMPS MAY BE CONNECTED TO "L" LEAD.

303. THE VOLTAGE ACROSS THE TERMINALS OF THE G2 LAMP AT THE END OF THE MULTIPLE FARTHEST FROM THE AC SUPPLY SHALL BE 4.5V-5.0V.

304. THIS CIRCUIT SHALL BE CONNECTED TO A MANUAL OR DIAL OFFICE LINE CIRCUIT OR LONG LINE CIRCUIT ARRANGED FOR USE WITH A DIAL SELECTED PBX TRUNK CKT BY HAVING GROUND CONNECTED TO THE TIP CONDUCTOR ONLY WHEN BUSY.

305. EARLY VERSIONS OF THE 701PK AND 711PK PBX'S ARE FURNISHED IN ACCORDANCE WITH INFORMATION AVAILABLE FOR OTHER 701 PBX'S ON ISSUE 22D.

306. LEADS TO THE RINGING RANGE EXTENDING CIRCUIT, WHEN RUN VIA THE DISTRIBUTING FRAME, ARE SHOWN IN FIGS. 56, 57, 59, 60, 61, 65, 73, 77, 78 & 92.

307. LEADS TO THE 800A PBX ONE WAY OUTGOING CO TRUNK CKT, WHEN RUN VIA THE DISTRIBUTING FRAME, ARE SHOWN IN FIGS. 57, 60, 61, 65, 78 & 93.

EQUIPMENT NOTES: (CONT)

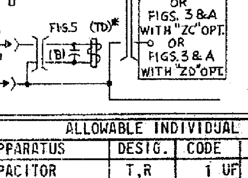
216. WHEN CONNECTION TO THE TRAFFIC MEASUREMENT SYSTEM NO. 1A CONNECTING CIRCUIT, FOR TRUNK BUSY OUTGOING INDICATION, PER WZ OPTION IS REQUIRED, THE TMS DIODE (446K DIODE) SHALL BE FURNISHED AND INSTALLED LOCALLY. WHEN WZ OPTION IS APPLIED WY OPTION MUST BE REMOVED.

CIRCUIT NOTE 103 (CONT)

RECORD OF FIGURES, WIRING AND APPARATUS CHANGES

CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT STD	USE IN CIRCUIT A & M	USE IN CIRCUIT MD	
28 AC	XV OR XW	XV		XW		XV	
28 AC	G OR XX	G		XX		G	
28 AC	XL OR XY	XL		XY		XL	
28 AC	M, XZ OR WA	M	102	XZ, WA		M	
28 AC						YI	
28 AC	WB	NONE				WB	
29D	WC OR WD	WC	102	WC, WD			
29D	WE, WF OR WG	NONE	102	WE, WF WG			
29D	WH OR WI	WH	102	WH, WI			
29D	FIG 13	NONE	102	FIG 13			
30AC	WJ	NONE	109		WJ		
30AC	YI, YJ OR WK	YI OR YJ		WK			
31D	WP	NONE	102	WP			
31D	WQ	NONE	102	WQ			
31D	WL OR WM	WL	102	WM		WL	
31D	WN OR WO	WN	102	WN, WO			
32B	WQ, WR OR WS	WQ. OR NONE	102	WR & WS		WQ	
32B	WT OR WU	WT	102	WT OR WU			
32B	WV	NONE	102	WV			
33B	WX	WW	102, 215	WX, WW			
34B	YK OR YL	YK, YL	110	YK	YL		
34B	WY OR WZ	WY	102, 216	WY, WZ			
34B	VA OR VB	NONE	102	VA, VB			
34B	VC	NONE	111			VC	
34B	VD	NONE	102	VD			

TRANSMISSION TEST REQUIREMENTS
(1000 CYCLE LOSS BETWEEN 600Ω LINES)



MAX. ALLOWABLE CIRCUIT LOSS (db)	"E" WIRING	"F" WIRING
WITH OPTION "H"	0.1	0.6
WITH FIG. 6	0.4	0.9
WITH FIG. 5	0.4	0.9

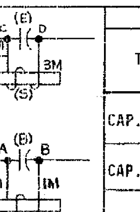
WHEN FIGS. 8 & C OR FIGS. 3 & B WITH "B" OPTION OR FIGS. 3 & A WITH "ZC" OPTION OR FIGS. 3 & A WITH "ZD" OPTION ARE USED ADD 0.1 (db) TO LOSSES SHOWN ABOVE.

ALLOWABLE INDIVIDUAL APPARATUS LOSSES (db)

APPARATUS	DESIG.	CODE	MAX. LOSS	MIN. LOSS	REMARKS
CAPACITOR	T, R	1 UF	8.5	6.6	FIG. 3 & "B" OPT
CAPACITOR	R	0.5 UF	3.9	2.7	FIG. 3
RELAY	TS	239GC	0.4		P/T IN PAR — TESTED IN SERIES
RELAY	S	B1175	0.6		P/S IN PAR — TESTED IN SERIES
THERMISTOR	T, R	8A	0.2		FIG. 3 OR FIG. 3 & "B" OPTION

*INDICATES APPARATUS FOR WHICH INDIVIDUAL LOSSES ARE NOT REQUIRED.

ELECTROLYTIC CAPACITOR TEST REQUIREMENTS
(1000 CYCLE TEST USING 73A TEST SET BETWEEN 600 Ω LINES)



OVERALL LOSS

TEST	TEST CONNECTIONS TEST SET TERMINALS	TEST CONNECTIONS CONNECT TO	MIN. LOSS IN db	REMARKS
CAP. (E)	3-6	2M 3M (S)	5.4	
CAP. (B)	3-6	2M 1M (TD)	5.4	

ALLOWABLE INDIVIDUAL APPARATUS LOSSES

APPARATUS	DESIG	CODE	TEST CONNECTIONS TEST SET TERMINALS	TEST CONNECTIONS CONNECT TO	MIN LOSS IN db	REMARKS
CAPACITOR	E, B	KS-13486	3-6	A, B OR C, D	5.4	

CAUTION:
DISCHARGE CAPACITORS IN ACCORDANCE WITH A 200 SECTION BSP COVERING THE TESTING OF ELECTROLYTIC CAPACITORS. DO NOT SHORT CIRCUIT CAPACITORS.

OPTIONS USED

FIGS.		APP OR WIRING					
1	A	Z	A	ZV	YR	XN	WJ
2	B	Y	ZA	ZW	YS	XO	WK
3	C	X	ZB	ZX	YT	XP	WL
4	D	W	ZC	ZY	YU	XQ	WM
5		V	ZD	ZZ	YV	XR	WN
6		U	ZE	YA	YW	XS	WO
7		T	ZF	YB	YX	XT	WP
8		S	ZG	YC	YY	XU	WQ
9		R	ZH	YD	YZ	XV	WR
10		Q	ZI	YE	XA	XW	WS
11		P	ZJ	YF	XB	XX	WT
12		N	ZK	YG	XC	XY	WU
13		M	ZL	YH	XD	XZ	WV
		K	ZM	YI	XE	WA	WW
		J	ZN	YJ	XF	WB	WX
		H	ZO	YK	XG	WC	WY
		G	ZP	YL	XH	WD	WZ
		F	ZQ	YM	XI	WE	VA
		E	ZR	YN	XJ	WF	VB
			ZS	YO	XK	WG	VC
			ZT		XL	WH	VD
		B	ZU	YQ	XM	WI	

DRAWING ISSUE

23B, 24AC, 25D, 26D, 27D, 28AC, 29D, 30AC, 31D, 32B, 33B

ISSUE 34B

ONE WAY TRUNK CIRCUIT
2 WAY TRUNK CIRCUIT

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DWG SIZE X8S

SD-65657-01-06

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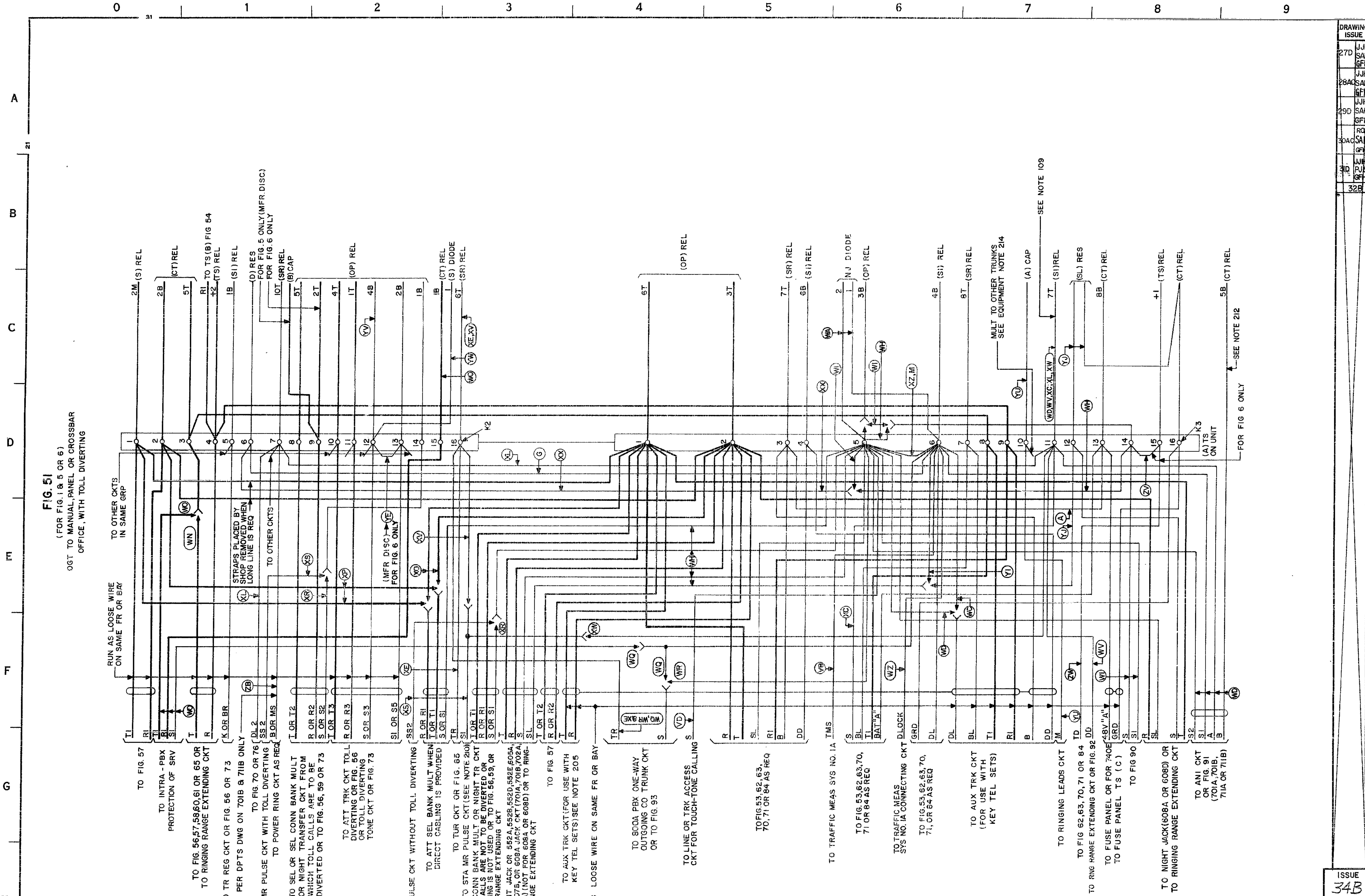

ONE WAY TRUNK CIRCUIT

2 WAY TRUNK CIRCUIT

BELL TELEPHONE LABORATORIES INCORPORATED

SD-65657-01-09

6S

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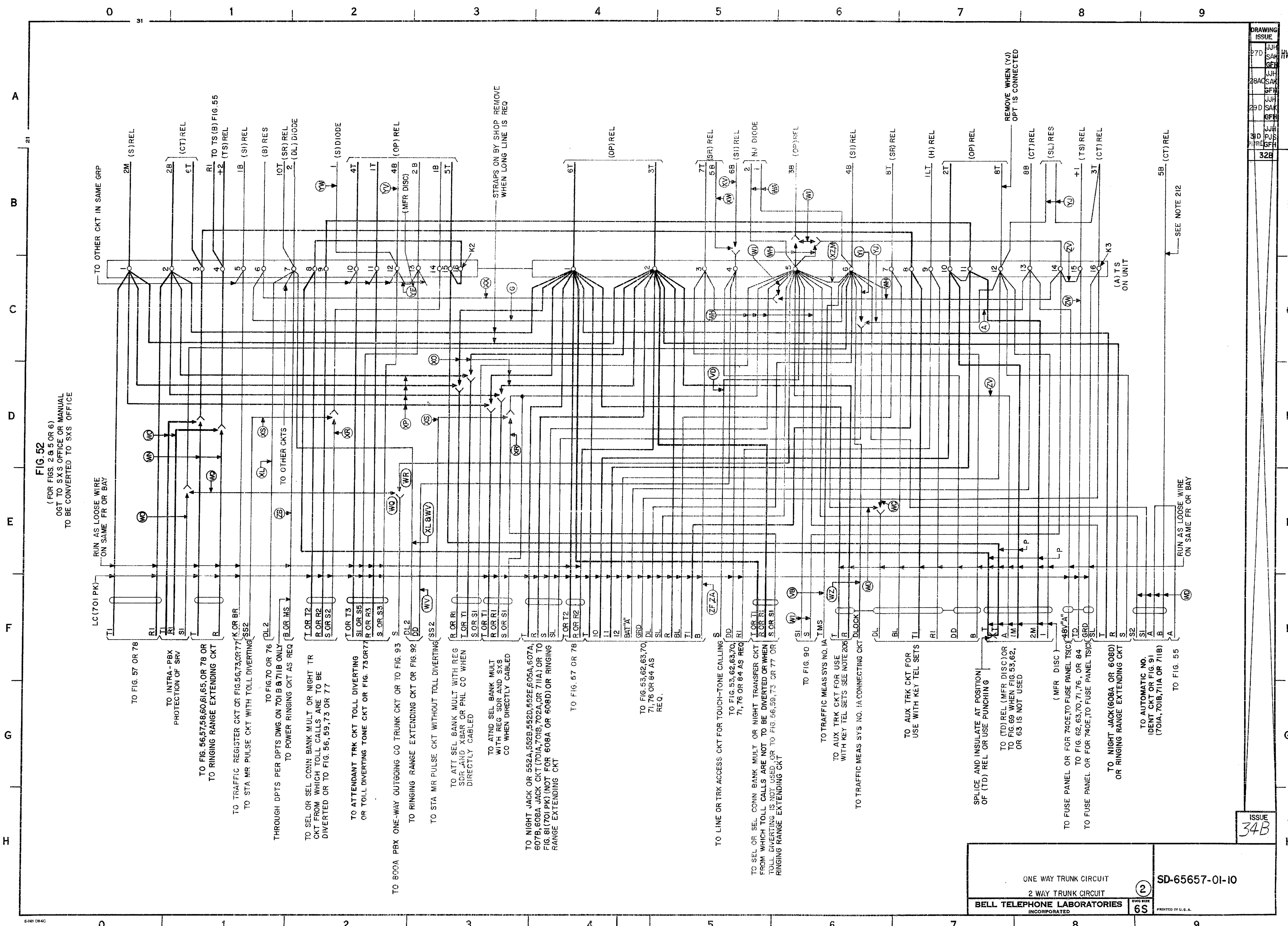

FIG. 52
(FOR FIGS. 2 & 5 OR 6)
OGT TO SXS OFFICE OR MANUAL
TO BE CONVERTED TO SXS OFFICE
TO OTHER CKT IN SAME GRP
STRAPS ON BY SHOP REMOVE WHEN LONG LINE IS REQ
REMOVE WHEN (YJ) OPT IS CONNECTED
SEE NOTE 212
(A) TS ON UNIT
RUN AS LOOSE WIRE ON SAME FR OR BAY
TO OTHER CKTS
TO FIG. 57 OR 78
TO INTRA-PBX PROTECTION OF SRV
TO FIG. 56,57,58,60,61,65,OR 78 OR TO RINGING RANGE EXTENDING CKT
TO TRAFFIC REGISTER CKT OR FIG.56,73,OR 77
TO STA MR PULSE CKT WITH TOLL DIVERTING
TO FIG.70 OR 76
THROUGH DPTS PER DPTS DWG.ON 701 B & 711B ONLY
TO POWER RINGING CKT AS REQ
TO SEL OR SEL CONN BANK MULT OR NIGHT TR CKT FROM WHICH TOLL CALLS ARE TO BE DIVERTED OR TO FIG. 56,59,73 OR 77
TO ATTENDANT TRK CKT TOLL DIVERTING OR TOLL DIVERTING TONE CKT OR FIG. 73 OR 77
TO 800A PBX ONE-WAY OUTGOING CO TRUNK CKT OR TO FIG. 93
TO RINGING RANGE EXTENDING CKT OR FIG. 92
TO STA MR PULSE CKT WITHOUT TOLL DIVERTING
TO ATT SEL BANK MULT WITH REG SDR AND XBAR OR PNL CO WHEN DIRECTLY CABLED
TO ATND SEL BANK MULT WITH REG SDR AND SXS CO WHEN DIRECTLY CABLED
TO NIGHT JACK OR 552A,552B,552D,552E,605A,607A, 607B,608A JACK CKT (701A,701B,702A,OR 711A) OR TO FIG. 81 (701 PK) (NOT FOR 608A OR 608D) OR RINGING RANGE EXTENDING CKT
TO FIG. 57 OR 78
TO FIG.53,62,63,70, 71,76 OR 84 AS REQ.
TO LINE OR TRK ACCESS CKT FOR TOUCH-TONE CALLING
TO FIG 53,62,63,70, 71,76 OR 84 AS REQ
TO SEL OR SEL CONN BANK MULT OR NIGHT TRANSFER CKT FROM WHICH TOLL CALLS ARE NOT TO BE DIVERTED OR WHEN TOLL DIVERTING IS NOT USED OR TO FIG. 56,59,73 OR 77 OR RINGING RANGE EXTENDING CKT
TO FIG. 90
TO TRAFFIC MEAS SYS NO. 1A
TO AUX TRK CKT FOR USE WITH KEY TEL SETS SEE NOTE 206
TO TRAFFIC MEAS SYS NO. 1A CONNECTING CKT
TO AUX TRK CKT FOR USE WITH KEY TEL SETS
SPLICE AND INSULATE AT POSITION OF (TD) REL OR USE PUNCHING
TO (TD) REL (MFR DISC) OR TO FIG. 69 WHEN FIG. 53,62, OR 63 IS NOT USED
(MFR DISC)
TO FUSE PANEL OR FOR 740E,TO FUSE PANEL TS(C)
TO FIG. 62,63,70,71,76, OR 84
TO FUSE PANEL OR FOR 740E,TO FUSE PANEL TS(C)
TO NIGHT JACK(608A OR 608D) OR RINGING RANGE EXTENDING CKT
TO AUTOMATIC NO. IDENT CKT OR FIG 91 (701A,701B,711A OR 711B)
TO FIG. 55
ISSUE 34B
ONE WAY TRUNK CIRCUIT
2 WAY TRUNK CIRCUIT
SD-65657-01-10
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6S
SD-65657-01-10

FIG. 90
(FOR FIG. 13)
APPLIQUE UNIT FOR NIGHT OPERATION
WITH AUTOMATIC NUMBER IDENTIFICATION
(701A, 701B, 711A OR 711B)

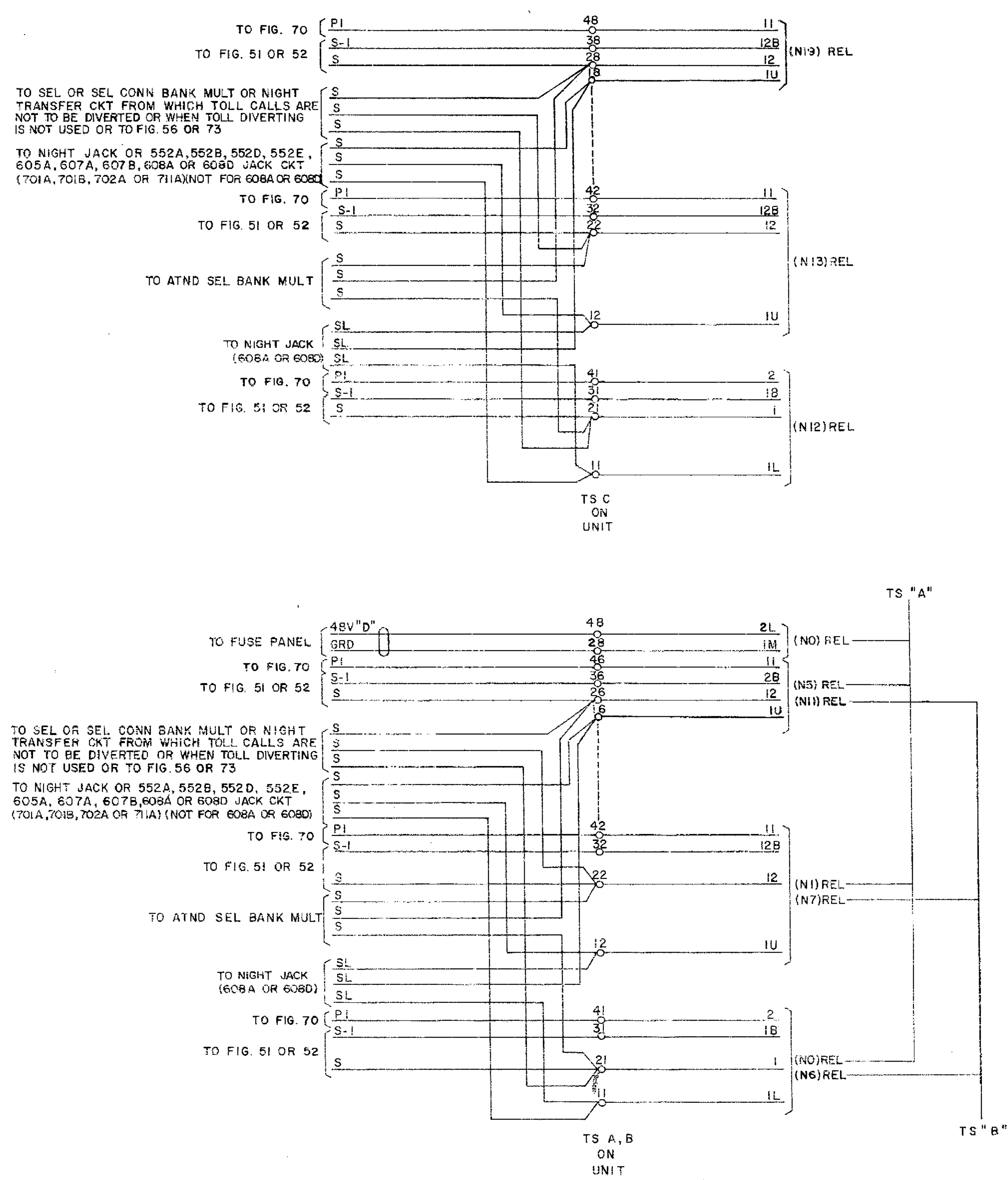
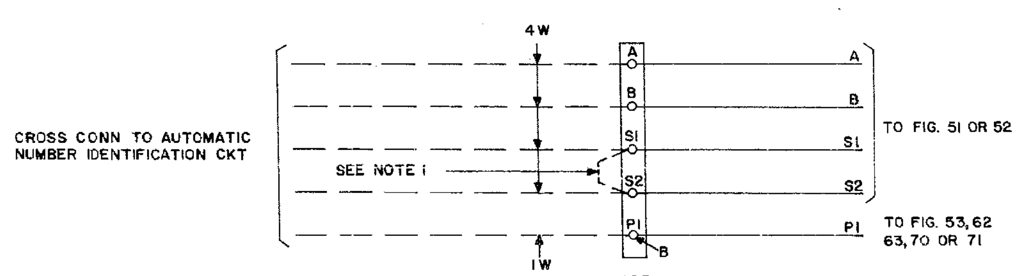


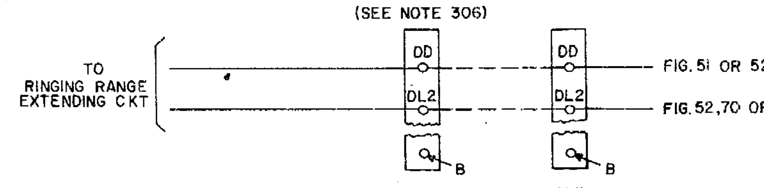
FIG. 91
(FOR FIG. 1, 2, 3 OR 8)
LEADS TO AUTOMATIC
NUMBER IDENT CKT



SHEET NOTES:

1. STRAP S1 & S2 TERMINALS WHEN TRUNK IS CABLED PER FIG. 91, OPTION WO, AND AUTOMATIC NUMBER IDENTIFICATION CIRCUIT IS NOT REQUIRED, OPTIONS XZ & WC. IF OPTION WA IS REQUIRED, OMIT STRAP AND CONNECT NJ DIODE AT UNIT TS.

FIG. 92
(FOR FIG. 1, 2, OR 3)
LEADS TO
RINGING RANGE EXTENDING CIRCUIT
(SEE NOTE 306)



ONE WAY TRUNK CIRCUIT
2 WAY TRUNK CIRCUIT

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SD-65657-01-11

32

DRAWING ISSUE	
29D	JJH SAK GFH
31D	JJH PJS GFH
32B	

SHEET INDEX (INITIATED ON ISSUE 14)

FIG.	CONTENTS	SHEET NO. PRIOR TO ISSUE 27	SHEET NO. CURRENT ISSUE	ISSUE NO. 14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	SHEET NO
	SHEET INDEX SUPPORTING INFORMATION	A1	A1	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35																										A1
	SHEET INDEX (CONT)	A2	A2										23	24	25	26	27	28	29	30	31	32	33	34	35																										A2
1 3 4 5 6 7 A B 12 13	TRUNK CIRCUIT JACK RELAY CIRCUIT MULTIPLE JACK CIRCUIT TOLL DIVERTING CIRCUIT TOLL DIVERTING CIRCUIT NIGHT JACK CIRCUIT NIGHT JACK CIRCUIT NIGHT OPERATION	011	01	14	15	15	17	17	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	34																										01
 2 8 9 10 11 C D	CIRCUIT REQUIREMENT TABLES TRUNK CIRCUIT JACK RELAY CIRCUIT MULTIPLE JACK CKT WITH (TRK) LAMP IN MULT SPACE MULTIPLE JACK CIRCUIT WITH SEPARATE ANS JACK AC IDLE OR BUSY LAMP INDICATING CKT	012	02	14	14	16	16	16	16	16	21	22	23	24	25	26	27	28	29	30	31	32	32	34	34																										02
51	CABLING DIAGRAMS: (FOR FIGS. 1&5 OR 6) OGT TO MANUAL, PANEL OR CROSSBAR OFFICE, WITH TOLL DIVERTING		SHOWN ON SHEET 09																																																		SHOWN ON SHEET 09
52	(FOR FIGS. 2&5 OR 6) OGT TO SXS OFFICE OR MANUAL TO BE CONVERTED TO SXS OFFICE		SHOWN ON SHEET 10																																																		SHOWN ON SHEET 10
53 54 55 56 57 58 59 60 61 93	(FOR FIGS. 3&6) (FOR FIG. 1) (FOR FIG. 2) 701A OR 702A 701A, 701B, 702A, 711A OR 711B 740E LINE FR 740E 740E SINGLE SIDED DISTG FR 740E SINGLE SIDED DISTG FR EQUIPPED FOR PROTECTORS (FOR FIGS 1,2 &3) LEADS TO 800A ONE WAY OUTGOING CO TRUNK CKT	013	03	14	15	15	17	18	19	20	21	22	23	24	25	26	27	28	29	29	31	32	32	34	34																										03
62 63 64 65 66 67 68 69 70 71 72 73 74 75	CABLING DIAGRAMS: (FOR FIGS. 3&6) APPLIQUE UNIT FOR 2-WAY OPERATION (EXCEPT 607A & 607B) 701A, 702A & 740E (FOR FIGS. 6&8) APPLIQUE UNIT FOR 2-WAY OPERATION (607A&607B) FOR 701A OR 702A WITH 607A OR 607B SWBD (FOR FIGS. 8,9,10 & 11) 740E SINGLE SIDED DISTG FR ARRANGED FOR PROTECTORS AND RADIO INTERFERENCE FILTERS (FOR FIGS. 8,9,11 & D FIG. C MFR DISC.) MULT JACKS WITH TRUNK LAMP IN MULT SPACE 606B, 607A, OR 607B PBX (FOR FIGS. 8,10,11 & D FIG. C MFR. DISC.) MULT JACK CKT WITH SEPARATE ANS JACK 606B, 607A, OR 607B PBX IDLE INDICATING LAMP LEADS WHEN RUN THRU DF (FOR PART OF FIG. 5) APPLIQUE UNIT FOR CONVERTING FROM FULL TOLL DIVERTING ON ALL SELECTOR MULTIPLES TO TOLL DIVERTING ON SOME SEL MULT (FOR FIGS. 3 & B) APPLIQUE UNIT FOR 2-WAY OPERATION (EXCEPT 606B, 607A & 607B SWBDS) WITH DIAL SYSTEMS 701A, 701B, 702A & 740E (FOR FIGS. 8 & D) APPLIQUE UNIT FOR 2-WAY OPERATION (606B, 607A, 607B, 608A OR 608D SWBDS) WITH DIAL SYSTEMS 701A OR 701B (FOR FIG. 3) JKS & LAMPS 552A, 552D, 556A OR 605A PBX (FOR FIGS 1 & 2) WITH OR WITHOUT FIG. 6 LEADS TO SEL, SEL-CONN, ATT(TRK) AND/OR TOLL DIVERTING TONE CKT (FOR FIGS. 8 & D) MULT JACKS WITH TRUNK LAMP IN MULT SPACE 608A OR 608D PBX. (FOR FIGS. 8 & D) MULT JACK CKT WITH SEPARATE ANS. JACK 608A OR 608D PBX.	014	04	14	14	14	17	18	18	20	21	22	23	24	25	26	27	28	29	29	31	32	32	34	34																										04

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DRAWINGS	J58824A-( ) ~~ED-65718-01~~ J58824CE
MAINTENANCE BSP	534-565-665

DWG ISS	CD ISSUE	DWG ISS	CD ISSUE	DWG ISS	CD ISSUE
14D	7D	15D	7D APP 1D	16B	7D APP 2B
17D	7D APP 3D				

DWG ISS	CD ISSUE	DATE ISSUED	DRAWN	APPD
18D	7D APP 4D	4-8-59	JEK JJTS	WVS PWS
19D	7D APP 5D	8-12-59	RAH AEZ	WVS PWS
20D	8D	8-9-60	EZ RA	WVS PWS
21D	9D	5-18-61	SECO MS	JFS RDW
22D	9D APP 1D	9-27-61	HV.M MR	ASTJ RDW TEB
23B	10B	2-1-63	JZ JCB	EME E.VOL FC
24AC	11AC	4-17-64	SP GE	EME FNR TEB
25D	11AC APP 1D	4-17-64	SP GE	EME FNR TEB
26D	11AC APP 2D	9-24-64	BAT M.R.	RHB RAV TEB
27D	11AC APP 3D	5-20-65	JJH SAK	RFS LAH GFH
28AC	11AC APP 4AC	5-20-65	JJH SAK	RFS LAH GFH
29D	11AC APP 5D	5-20-65	JJH SAK	AEK LAH GFH
30AC	11AC APP 6AC	3-1-66	ROZ SAK	AEK RAV GFH
31D	11AC APP 7D	9-2-66	JJH PJS RLS	RFS RAV GFH
WORN DRAWING REPRODUCED WITHOUT CHANGE		3-30-67	CED	
32B	11AC APP 8B	10-23-69	RPR PJS RLS	RWB RVL SEB
33B	11AC APP 9B	11-3-70	ASI CBH	BWM FLS CEM
34B	11AC APP 10B	11-28-72	GDI CBH	HRB RVL AFR
35D	11AC APP X 11D	12-17-76	GDI HBW	RCL RVL AFR

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.

ISSUE 35D

REPLACING SD-66607-01 AND SD-66618-01
PARTIALLY REPLACED BY SD-5E001-01

SD-65657-01 PBX SYSTEMS 3J99
NO. 701A, 701B, 701PK, 702A, 711A, 711B, 711PK
740E OR 800A
ONE-WAY TRUNK CIRCUIT
TO CENTRAL OFFICE
OUTGOING DIAL SELECTED
OR
NO. 701A, 701B, 701PK, 740E OR 800A
2-WAY TRUNK CIRCUIT
TO CENTRAL OFFICE
MANUAL AND DIAL SELECTED
3
(OG CO TRK) OR (2W CO TRK)

MFR DISC

SD-65657-01-A1
SHEET INDEX
11 SHEETS

BELL TELEPHONE LABORATORIES 7S

SHEET INDEX (CONT)

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76	CABLING DIAGRAMS	(FOR FIG. 3 & B) APPLIQUE UNIT FOR 2-WAY OPERATION WITH 701PK PBX																																																	
77	CABLING DIAGRAMS	(FOR FIG. 2 WITH OR WITHOUT FIG. 6) LEADS TO SEL AND/OR ATT SEL ATT TRK, AND/OR TOLL DIVERTING TONE CKT 701PK & 711PK																																																	
78	CABLING DIAGRAMS	(FOR FIG. 2) 701PK & 711PK																																																	
79	CABLING DIAGRAMS	(FOR FIG. B) 701PK																																																	
80	CABLING DIAGRAMS	(FOR FIG. 3) JACKS & LAMPS 552A OR 552D SWBD WITH 701PK PBX																																																	
81	CABLING DIAGRAMS	(FOR FIG. 7 OR 12) NIGHT JACK WITH 701PK PBX	015	05	23	24	25	26	27	28	29	30	31	32	32	34	34																																			05
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51	CABLING DIAGRAMS	(FOR FIGS. 1 & 5 OR 6) OGT TO MANUAL, PANEL OR CROSSBAR OFFICE, WITH TOLL DIVERTING		09					27	28	29	30	31	32	32	34	34																																			09
52	CABLING DIAGRAMS	(FOR FIGS. 2 & 5 OR 6) OGT TO SXS OFFICE OR MANUAL TO BE CONVERTED TO SXS OFFICE		10					27	28	29	29	31	32	32	34	34																																			10
90 91 92 93	CABLING DIAGRAMS	(FOR FIG. 13) APPLIQUE UNIT FOR NIGHT OPERATION WITH AUTOMATIC NUMBER IDENTIFICATION. (FOR FIGS. 1,2,3 OR 8) LEADS TO AUTOMATIC NUMBER IDENTIFICATION CIRCUIT (FOR FIGS. 1, 2, OR 3) LEADS TO RINGING RANGE EXTENDING CKT SHOWN ON SHEET 3		11							29	29	31	32	32	32	32																																			11

DRAWING ISSUE	
23B	JZ JCB FC
24AC	SP GE TEB
25D	SP GE TEB
26D	BRY MK TEB
27D	JJH SAK GFH
28AC	JJH SAK GFH
29D	WAM SAK GFH
30AC	RCZ SAK GFH
MRE 31D	JJH PJS GFH
32B	
33B	

ISSUE 35D

ONE WAY TRUNK CIRCUIT
2-WAY TRUNK CIRCUIT

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