

SHEET INDEX

FIG	CONTENTS	SHEET NO.	ISSUE NO.																	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	SHEET INDEX SUPPORTING INFORMATION	A1	1	2	3	4														
	CIRCUIT NOTES 101-113	B1	1	2	3	4														
	EQUIPMENT NOTES INFORMATION NOTES CIRCUIT NOTES 114- END	B2	1	2	2	4														
	TABLES A, B & C FIGURES & OPTIONS TABLE	B3	1	2	3	4														
1 2 3 4	64A CONN BLOCK 599A KEY 599B KEY 598A KEY	C1	1	2	3	3														
PART OF FIG. 5	STATION LINE CONCENTRATOR FOR 30 LINES (MFR. DISC.)	C2	1	2	3	4														
		C3	1	2	3	3														
6	690A SUB SET (MFR DISC.)	C4	1	2	2	2														
7	688A SUB SET (MFR DISC.)	C5	1	2	2	2														
8 9	500LR, 500MR TEL SET (MFR DISC) TEL CKT, G-TYPE TEL SET	C6	1	2	2	4														
10 11 12 13 14	622A KEY 621A KEY HANDSET, HEADSET & JACKS DIAL RINGER	C7	1	2	2	2														
15 16 22	7-TYPE BUZZER KS-8109 BUZZER (MFR DISC.) KS-8109 L2 BUZZER	C8	1	2	2	2														
17	690B SUBSET (MFR DISC.)	C9		2	2	2														
18	688B SUBSET (MFR DISC.)	C10		2	2	2														
19	690C SUBSET	C11		2	2	4														
20	688C SUBSET	C12		2	2	4														
21	1690C SUBSET	C13		2	2	4														
PART OF FIG 23	STATION LINE CONCENTRATOR FOR 30 LINES	C14			3	4														
		C15			3	3														
	CIRCUIT REQUIREMENTS	D1	1	2	3	3														

DWG ISSUE	CD ISSUE	DATE ISSUED	DRAWN	APP'D
1	1	9-12-61	DHC	RT
2D	2D	5-8-65	HBW	PBF
3AC	2D	9-12-66	DHC	GRT
4D	3D	9-12-66	PBB	ARM
			PBB	RPS
			PBB	FNR
			PBB	RPS
			PBB	FNR
			PBB	REG

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.

REPLACING SD-69406-01

SD-69431-01

STATION SYSTEMS

KEY TELEPHONE SYSTEMS NO. 1A2, 1A1, AND 6A
KEY AND TELEPHONE CIRCUIT
FLUSH MOUNTED KEYS

AT&TCO
STANDARD

SD-69431-01-A1
SHEET INDEX
20 SHEETS

BELL TELEPHONE LABORATORIES
INCORPORATED

DWG SIZE
3S

PRINTED IN U.S.A.

HNDBK DWG

SD-69431-01-A1

CIRCUIT NOTES: (CONTINUED)

104.	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	A&M	MD	
I	J	N		N		J	
2D	F,G, OR H	H	102	F,G		H	
	FIG. 22	FIG. 16		FIG. 22		FIG. 16	
	FIG. 17 OR 19	FIG. 6	102	FIG. 19		FIG. 6, 17	
	FIG. 18 OR 20	FIG. 7	102	FIG. 20		FIG. 7, 18	
3AC	B, E	B	113	B, E			
	FIG 5 OR 23	5		23		5	
4D	A		114	A			

105. THE HOLD KEY MAY BE CHANGED TO A PICKUP KEY BY REPLACING THE 599A KEY UNIT OR 599B KEY UNIT WITH A 598A KEY UNIT AND PROVIDING M WIRING. PROVIDING WRG OPTIONS A, Y OR Z ARE NOT REQUIRED.
106. PICKUP KEYS 1 THROUGH 6 IN EACH GROUP OF 30 LINES MAY BE CONVERTED FROM PICKUP (LOCKING) TO SIGNALING (NONLOCKING) BY REMOVING THE SCREW DETAIL P-10E837 FROM THE PLUNGER AND PLACING AN INSULATOR DETAIL P-11E977 OVER THE 2 CONTACTS ADJACENT TO THE PLUNGER. SIX INSULATING DETAILS ARE FURNISHED WITH EACH GROUP OF 30 LINES. SEE TABLE A FOR CONNECTING INFORMATION.
107. KEYS 1 THROUGH 6 IN EACH GROUP OF 30 LINES MAY BE USED AS A COMMON SIGNALING ARRANGEMENT BY CONNECTING THE M TERMINAL OF THE CONVERTED KEY TO THE A TERMINAL, AND THE C,S OR S1 TERMINAL TO THE M TERMINAL OF PICKUP KEYS WITH LINES CONNECTED REQUIRING SIGNAL KEY SIGNALING.
108. THE 622A KEY UNIT SHALL BE PROVIDED WHEN A POSITION EXCEEDS 60 LINES. IT CONTAINS AN ELECTRO-MECHANICAL ASSIST FOR RELEASING OPERATED PICKUP KEYS IN LARGE ARRAYS.
109. WHEN THE 599B KEY UNIT IS USED, REMOVE THE SURFACE WIRING BETWEEN TERMINALS CB1 AND CB, CD1 AND CD, CH1 AND CH ON THE FIRST FIG. 5. CONNECT THE CB1, CA1, M6, CD1, M5, C,S,S1, (5) CH1 AND C,S,S1 (6) TERMINALS ON THE 1ST FIG. 5 TO MANUALLY CONTROLLED CIRCUITS AS REQUIRED. SEE TABLE C.
110. WHEN THE RINGER IS USED AS A PRIVATE, COMMON OR INTER-COMMUNICATING LINE SIGNAL, CONNECT THE S RINGER LEAD TO TERMINAL "A" IN THE SUBSET, AND THE 500LR OR MR TELEPHONE SETS, CONNECT THE B1 LEAD TO TERMINAL 7 IN THE E-TYPE RINGER.
111. DEPRESSING THE TURN KEY RELEASES ANY LOCKED DOWN KEY BUT DOES NOT DEFLECT THE ASSOCIATED SPRING PILE-UP.
112. REPLACE THE U2 RECEIVER WITH A U1 RECEIVER.
113. WHEN 236A K.T.U. (MFR. DISC) IS ASSOCIATED WITH 400D K.T.U. IN NO. 142 K.T.S. PROVIDE E WRG & APP. TO REDUCE INDUCTIVE TRANSIENT CAUSED BY RELEASE OF LINE CONCENTRATOR SWITCHING RELAYS.

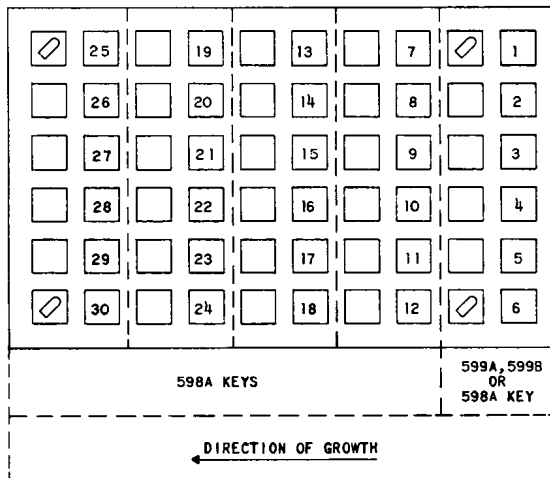
STATION SYSTEMS		SD-69431-01-B1
KEY TELEPHONE SYSTEMS NO. 1A2,1A1, AND 6A KEY AND TELEPHONE CIRCUIT FLUSH MOUNTED KEYS		
BELL TELEPHONE LABORATORIES	OWG SIZE 3S	PRINTED IN U.S.A.

CIRCUIT NOTES: (CONT)

114. TO PROVIDE A POWER FAILURE LINE WITH THE COMMON AUDIBLE FEATURE USE A WRG. THE COMMON AUDIBLE SIGNAL CIRCUIT IS ARRANGED TO USE THE SAME AUDIBLE SIGNAL FOR THE POWER FAILURE LINE AS THE LINE SIGNALING CIRCUITS.

INFORMATION NOTES:

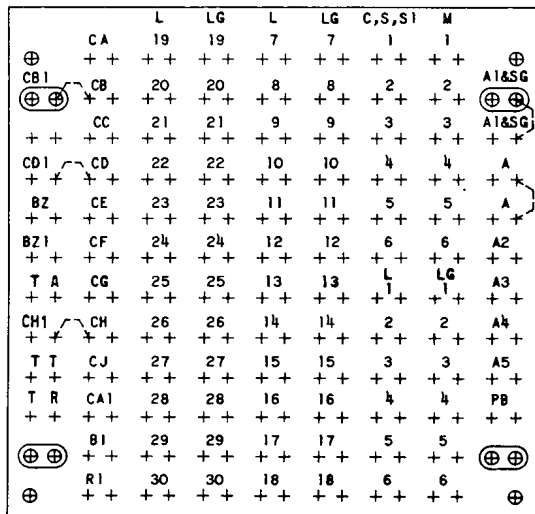
301. UNLESS OTHERWISE SPECIFIED: RESISTANCE VALUES ARE IN OHMS, CAPACITANCE VALUES ARE IN MICROFARADS.
302. KEY POSITION ASSIGNMENTS FOR THE 1ST 30 PICKUP KEYS; KEY POSITIONS 31-60, 61-90, AND 91-120 WILL HAVE THE SAME KEY POSITION ASSIGNMENTS AS 1-30.



EQUIPMENT NOTES:

201. THE PLUGS HAVE TERMINAL NUMBERS MOLDED INTO THE INSULATION ON THE FACE OF THE PLUG. TERMINALS ARE NUMBERED 1-25 AND 26-50 WITH 1 AND 26 OPPOSITE EACH OTHER AT ONE END OF THE LONG DIMENSION AND 25 AND 50 OPPOSITE EACH OTHER AT THE OTHER END.

202. TERMINAL FIELD LAYOUT:



STATION SYSTEMS
KEY TELEPHONE SYSTEMS NO. 1A2, 1A1, AND 6A
KEY AND TELEPHONE CIRCUIT
FLUSH MOUNTED KEYS

BELL TELEPHONE LABORATORIES
INCORPORATED

SIZE 3S

PRINTED IN U.S.A.

SD-69431-01-B2

TABLE A
NONLOCKING KEY CONNECTIONS

KEY POSITION	1	2	3	4	5	6
CONNECT TERMINAL	M1	M2	M3	M4	M5	M6
BUZZER SIG	TO TERM. SG					
6A ADD-ON	TO TERM. PB					
6A PUSH BUTTON	TO TERM. A					
LOCKED IN LP RLS	TO TERM. SG					
COMMON SIG	TO TERM. A SEE NOTE 107					

TABLE B
COMBINATIONS OF RELAYS - STATION LINE CONCENTRATOR

KEY POSITION	RELAYS*									
	A	B	C	D	E	F	G	H	J	CA1
1,31,61,91	X	X								
2,32,62,92	X		X							
3,33,63,93		X	X							
4,34,64,94	X			X						
5,35,65,95		X		X						
6,36,66,96								X		X
7,37,67,97			X	X						
8,38,68,98		X			X					
9,39,69,99			X		X					
10,40,70,100				X	X					
11,41,71,101			X			X				
12,42,72,102				X		X				
13,43,73,103					X	X				
14,44,74,104				X			X			
15,45,75,105					X		X			
16,46,76,106						X	X			
17,47,77,107	X							X		
18,48,78,108		X						X		
19,49,79,109			X					X		
20,50,80,110				X				X		
21,51,81,111					X			X		
22,52,82,112						X		X		
23,53,83,113							X	X		
24,54,84,114	X								X	
25,55,85,115		X							X	
26,56,86,116			X						X	
27,57,87,117				X					X	
28,58,88,118					X				X	
29,59,89,119						X			X	
30,60,90,120							X		X	

*SYMBOL X DENOTES RELAY OPERATED WHEN KEY POSITIONS ARE OPERATED.

TABLE C
TURN BUTTON CONNECTIONS

FEATURE	LEAD DESIG	CONNECT TO			
		IN	OUT	POS 1	POS 2
LINE CUTOFF	R T A	CB1 CD1 C,S,SI(5)	CA1 CH1 C,S,SI(6)		
RINGER OR BUZZER CUTOFF	R1 OR BZ B1 OR BZ1	CB1 CD1	CA1 CH1		
RINGER OR BUZZER TRFR	R1 OR BZ B1 OR BZ1	CB1 CD1		CA1 CH1	M6 M5
RELAY OPERATION	SI G	CB1	M6		
LAMP CKT	L G	CB1	M6		
MONITOR SET CUTOFF	R GN	CB1 CD1	CA1 CH1		

FIGURES AND
OPTIONS ON
THIS DWG

CKT FIG.	APP OR WIRING
1 17	Z F
2 18	Y E
3 19	X B
4 20	A
5 21	V
6 22	
7 23	T
8	S
9	R
10	J
11	N
12	
13	M
14	K
15	H
16	G

SD-69431-01-B3

STATION SYSTEMS
KEY TELEPHONE SYSTEMS NO. 1A2, 1A1, AND 6A
KEY AND TELEPHONE CIRCUIT
FLUSH MOUNTED KEYS

BELL TELEPHONE LABORATORIES
INCORPORATED

DWG SIZE
3S

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4

FIG. 4
599A KEY
SEE NOTE 106

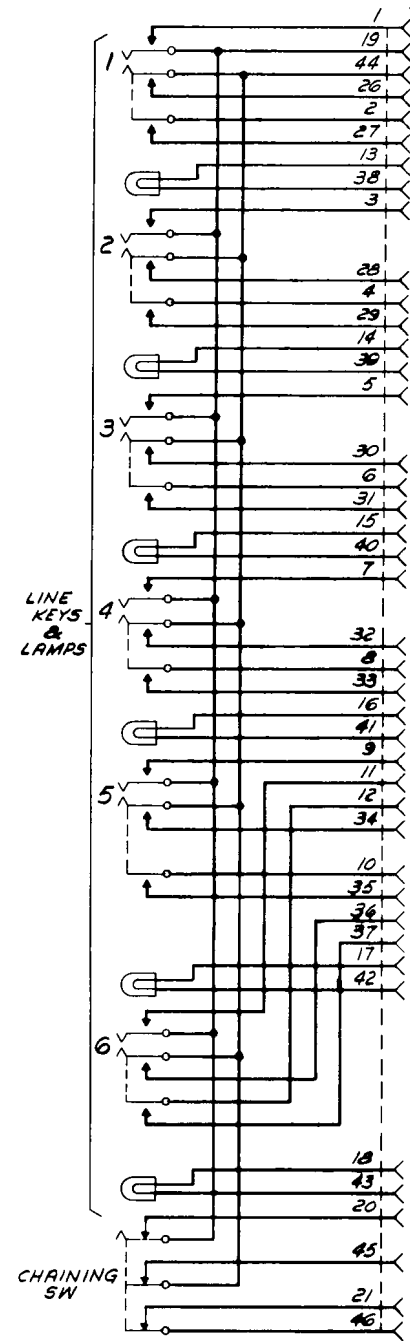


FIG. 3
599B KEY
SEE NOTES 105, 106, 109 & 111

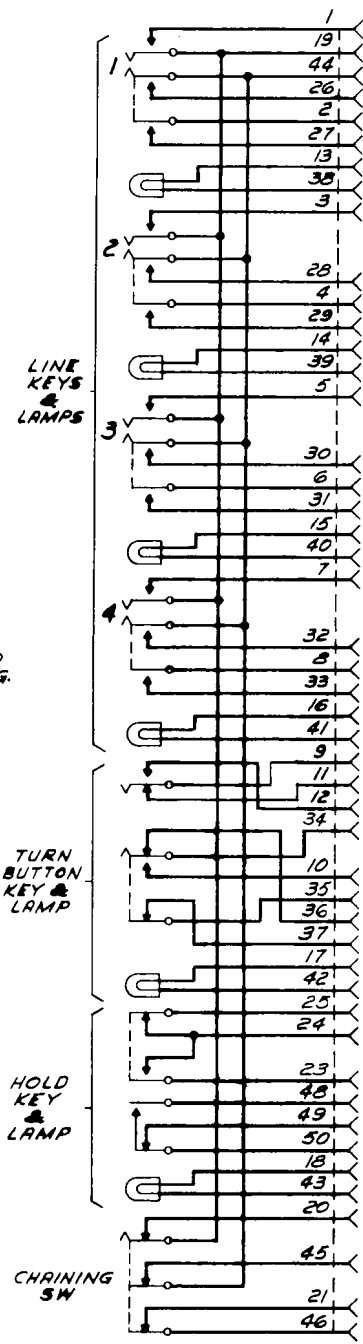


FIG. 2
599A KEY
SEE NOTES 105 & 106

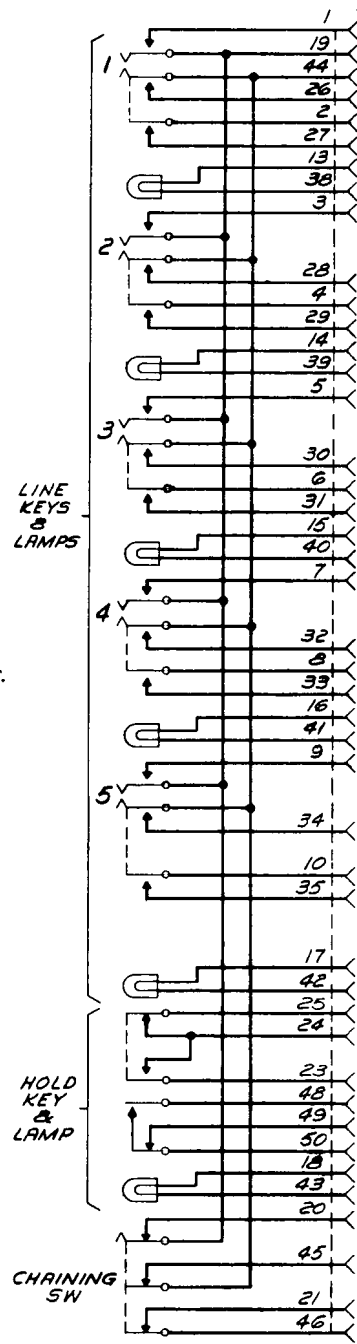


FIG. 1
64A CONNECTING BLOCK

PIN NO.	PLUG 5		PLUG 4		PLUG 3		PLUG 2		PLUG 1		CONNECT TERMINAL TO
	COLOR	TERM. DESIG	COLOR	TERM. DESIG	COLOR	TERM. DESIG	COLOR	TERM. DESIG	COLOR	TERM. DESIG	
19	W	CB	R-BR	CC	O-BR	CE	R-BR	CC	BL	CA	FIG. 5 OR 23
44	G*		G*		G*		G*		W-BK	A2	ON ORIGINATING FIG. 1 ONLY, STRAP TO TERM. A
26	G*		G*		G*		G*		S-W	A3	FIG. 5 OR 23
27	BL-S	CJ	S-BK	CH	BR-BK	CF	G-BR	CD	W	CB	SEE TABLE A
13	BL-Y	L25	R-G	L19	R	L13	BL-S	L7	G-Y	C, S, SI (1)	KTS NO. 1A2, 1A1, OR 6A
38	BL-Y	LG25	BL-R	LG19	G	LG13	S-W	LG7	G-W	L1	KTS NO. 1A2, 1A1, OR 6A
3	R-BR	CC	G-BR	CD	G-BR	CD	W	CB	G-R	LG1	LINE CKT
28	BL-S	CJ	S-BK	CH	O-S	CG	O-BR	CE	BL	CA	FIG. 5 OR 23
4									R-BR	CC	FIG. 5 OR 23
29									BL-S	M2	SEE TABLE A
14	O-R	L26	R-S	L20	W-BK	L14	S-Y	L8	BL-O	C, S, SI (2)	KTS NO. 1A2, 1A1, OR 6A
39	O-R	LG26	R-BL	LG20	BK	LG14	BR	LG8	G-BK	L2	KTS NO. 1A2, 1A1, OR 6A
5	G-BR	CD	O-BR	CE	O-BR	CE	R-BR	CC	S-W	LG2	LINE CKT
30	BL-S	CJ	S-BK	CH	O-S	CG	O-BR	CE	W	CB	FIG. 5 OR 23
6											
31	G-R	L27	G-W	L21	G-W	L15	BL-BK	L9	R-BR	CC	FIG. 5 OR 23
40	O-W	LG27	G-Y	LG21	BL-S	LG15	BK-W	LG9	BR-W	M3	SEE TABLE A
7	O-BR	CE	BR-BK	CF	BR-BK	CF	G-BR	CD	O-G	C, S, SI (3)	KTS NO. 1A2, 1A1, OR 6A
32	BL-S	CJ	S-BK	CH	O-S	CG	O-BR	CE	R-O	L3	KTS NO. 1A2, 1A1, OR 6A
8									BR	LG3	LINE CKT
33									BL	CA	FIG. 5 OR 23
16	BR-R	L28	G-BR	L22	R-BR	L16	O-R	L10	G-BR	CD	FIG. 5 OR 23
41	G-W	LG28	BL-G	LG22	R-G	LG16	S	LG10	R-BL	M4	SEE TABLE A
9	BR-BK	CF	O-S	CG	BL	CA	R-BL	CC	O-BK	C, S, SI (4)	KTS NO. 1A2, 1A1, OR 6A
11	O-S	CG	BL	CA	W	CB	G-BR	CD	O	L4	KTS NO. 1A2, 1A1, OR 6A
34	BL-S	CJ	S-BK	CH	S-BK	CH	BR-BK	CF	BK-W	LG4	LINE CKT
10									R-G	CB1	FIG. 5 OR 23
35									S-Y	CA1	FIG. 5 OR 23
36	BL-S	CJ	BL-S	CJ	S-BK	CH	BR-BK	CF	S-BK	M6	SEE TABLE A
37									G-S	CD1	FIG. 5 OR 23
17	S-Y	L29	O-R	L23	O	L17	BL-O	L11	BL-G	M5	SEE TABLE A
42	BR-W	LG29	O-G	LG23	S	LG17	O-W	LG11	O-R	C, S, SI (5)	KTS NO. 1A2, 1A1, OR 6A
25									BL-Y	CH1	FIG. 5 OR 23
24									BR-BK	C, S, SI (6)	KTS NO. 1A2, 1A1, OR 6A
23									O-S	L5	KTS NO. 1A2, 1A1, OR 6A
48									S	LG5	LINE CKT
49									R	TA	FIG. 5 OR 23
50									R-S	A	FIG. 8, 9, OR 12
18	O-Y	L30	O	L24	BL-BR	L18	G-S	L12			
43	S-W	LG30	O-BK	LG24	BR-W	LG18	BL-R	LG12	O-BR	L6	KTS NO. 1A2, 1A1, OR 6A
20	R	A4	G*		G*		G*		O-W	LG6	LINE CKT
45	G-W	A5	G*		G*		G*		G*		A2 OF SUCC FIG. 1
21											A3 OF SUCC FIG. 1
46											

* STRAPS BETWEEN PLUGS

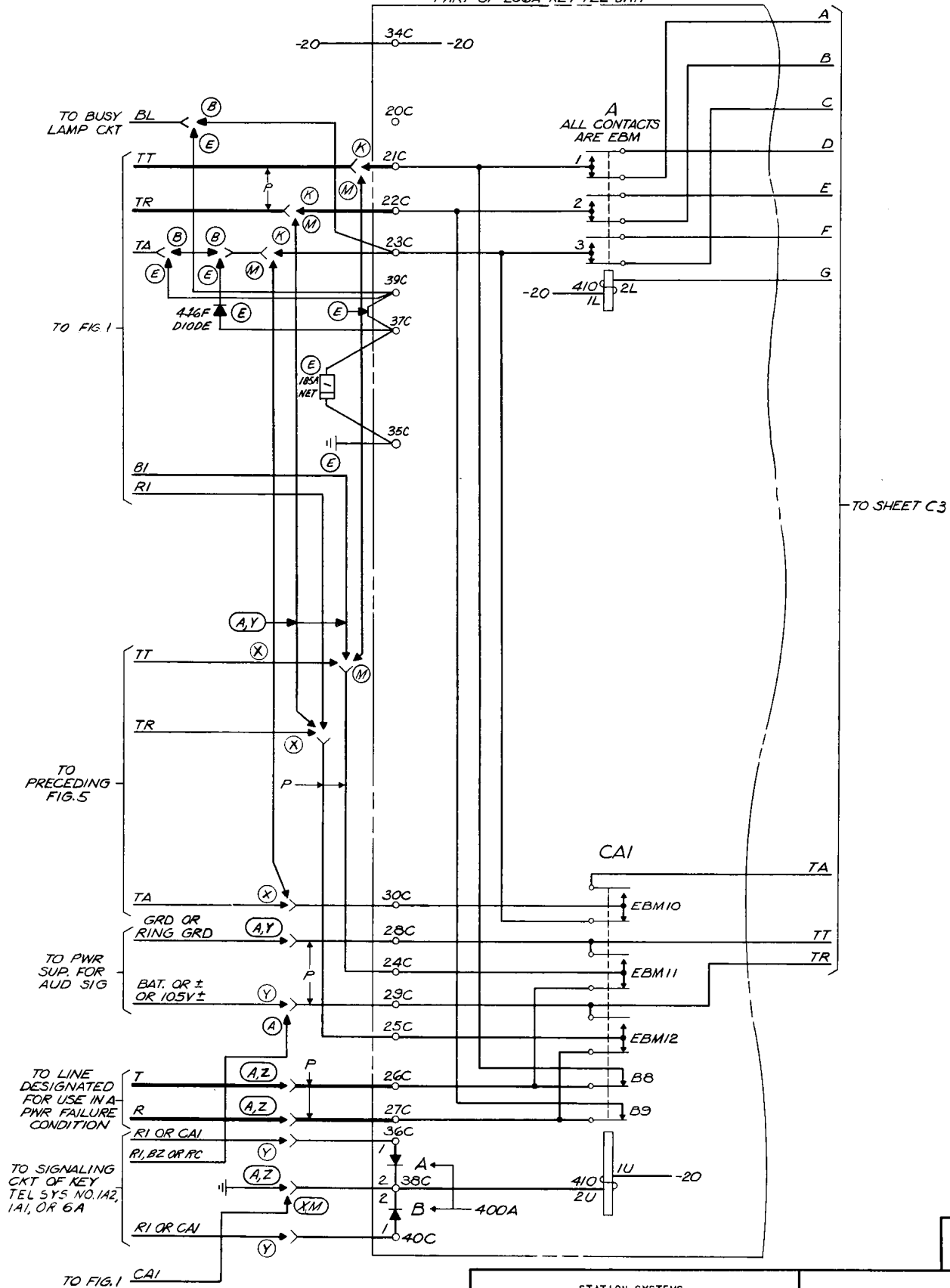
PIN NO.	PIN NO.	PIN NO.	PIN NO.	PIN NO.
19	20	19	20	19
44	45	44	45	44
20	19	20	19	20
45	44	45	44	45

† DUPLICATE TERMINAL DESIGNATIONS MAY BE THE SAME TERMINAL OR TERMINALS STRAPPED ON FACTORY WIRING SIDE.

TR	FIG. 5, OR 23 AND FIG. 8, 9, 10, OR 11
AI-SG	KTS NO. 1A2, 1A1, OR 6A & FIG. 3, 9, OR 12
R1	FIG. 5 OR 23 OR COM AUD SIG CKT & FIG. 6, 7, 8, 9, 14, 17, 18, 19, 20, 21, OR 22
B1	
BZ	KTS NO. 1A2, 1A1, OR 6A LINE CKT OR COM AUD SIG CKT OR FIG. 6, 7, 15, 16, 17, 18, 19, 20, 21, OR 22
BZ1	
PB	KTS NO. 6A LINE CKT, SEE TABLE A

PART OF FIG. 5
STATION LINE CONCENTRATOR FOR 30 LINES (MFR.DISC)
SEE NOTE 113

PART OF 236A KEY TEL UNIT



DRAWING	ISSUE
1	PHC 11/5
2D	40H PHC 11/5
3AC	11/5 PHC 11/5
4D	11/5 PHC 11/5

SD-69431-01-C2

STATION SYSTEMS
KEY TELEPHONE SYSTEMS NO. 1A2, 1A1, AND 6A
KEY AND TELEPHONE CIRCUIT
FLUSH MOUNTED KEYS

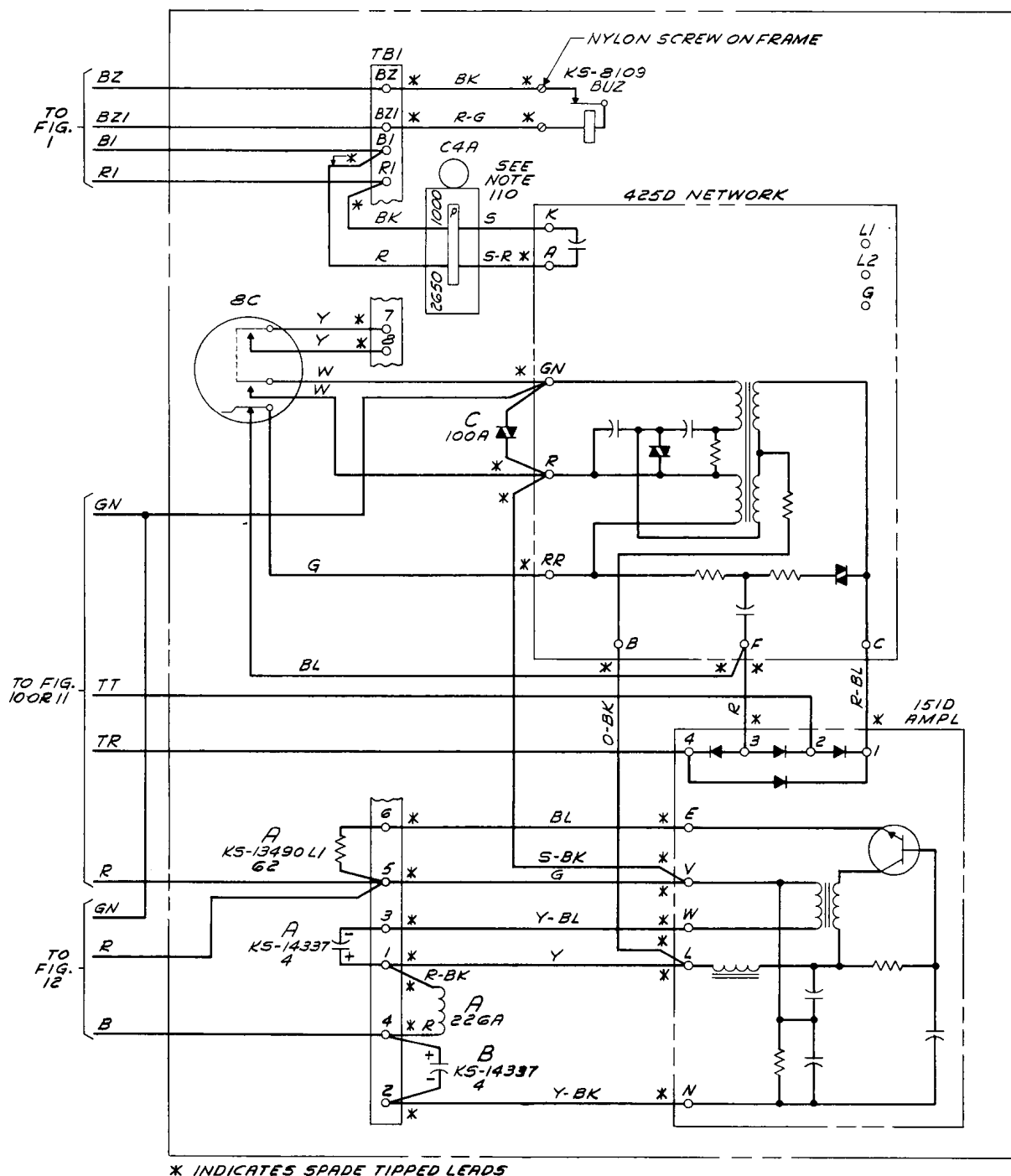
BELL TELEPHONE LABORATORIES
INCORPORATED

DWG SIZE
3S

PRINTED IN U.S.A.

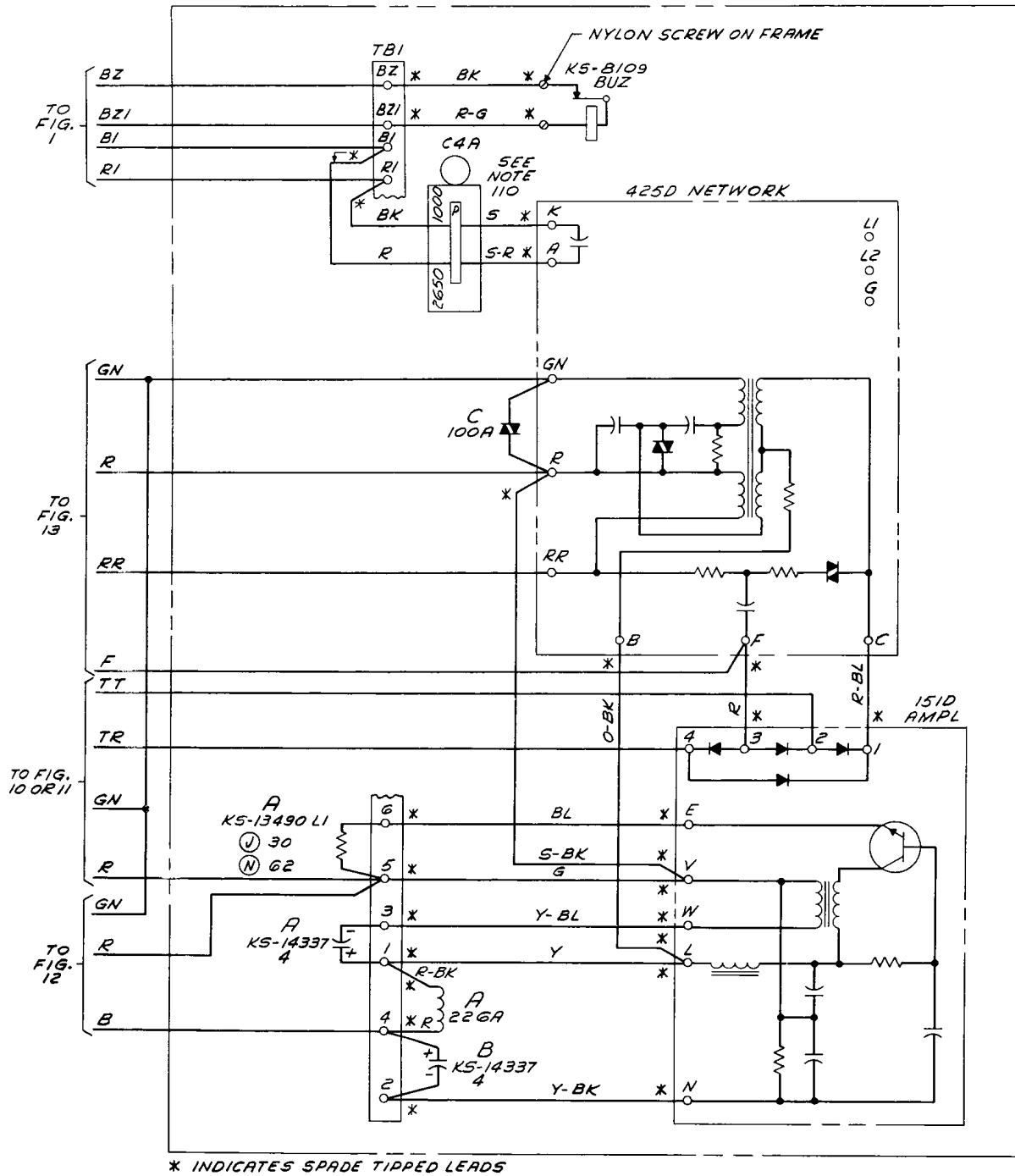
SD-69431-01-C2

FIG. 6 (MFR DISC.)
690A SUB SET



SD-69431-01-C4

FIG. 7 (MFR DISC.)
688A SUB SET



SD-69431-01-C5

STATION SYSTEMS		SD-69431-01-C5
KEY TELEPHONE SYSTEMS NO. 1A2, 1A1, AND 6A KEY AND TELEPHONE CIRCUIT FLUSH MOUNTED KEYS		
BELL TELEPHONE LABORATORIES INCORPORATED		PRINTED IN U.S.A.

FIG. 8
500LR, 500MR TELEPHONE SET (MFR. DISC.)

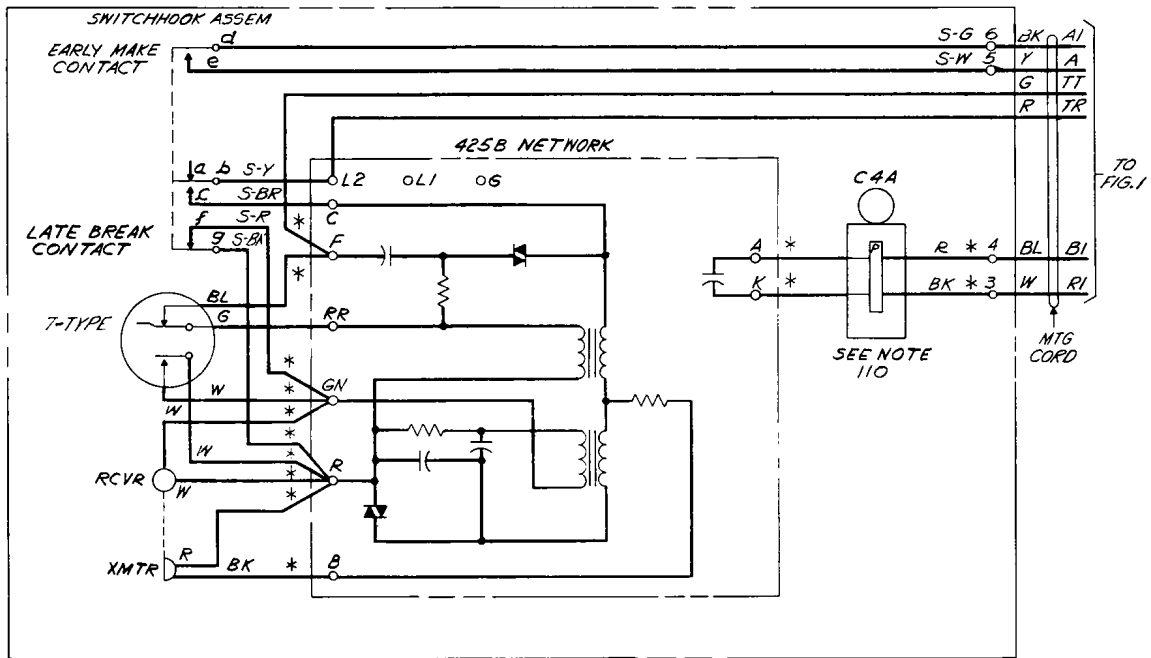
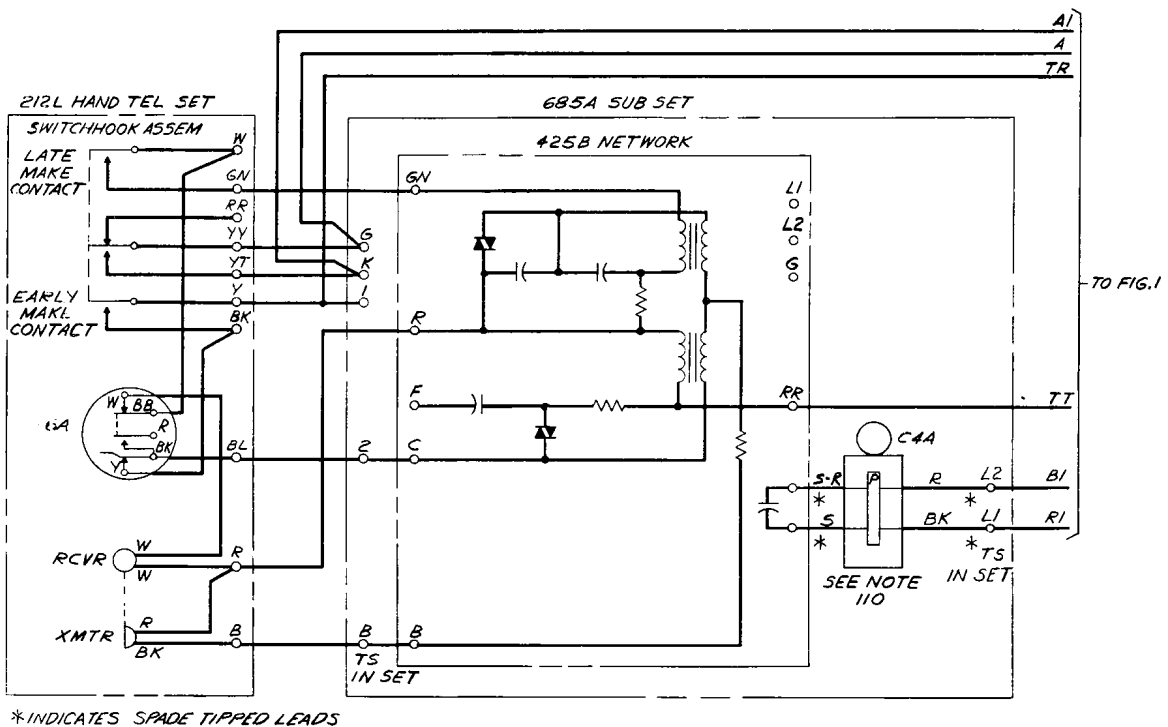


FIG. 9
TELEPHONE CKT
G-TYPE TELEPHONE SET



SD-69431-01-C6

FIG.10
622A KEY
(FLASH AND RELEASE)

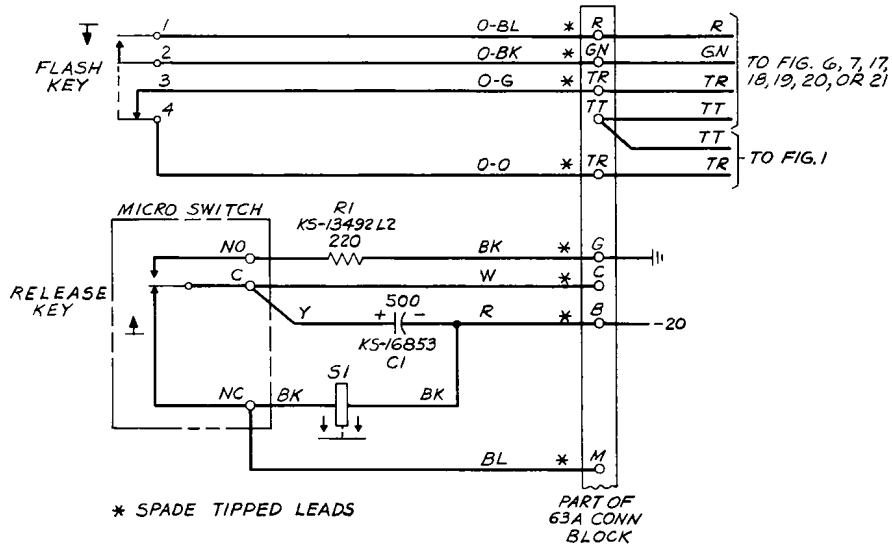


FIG.11
621A KEY
(FLASH AND RELEASE)

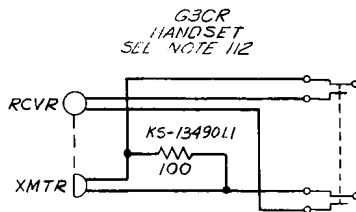
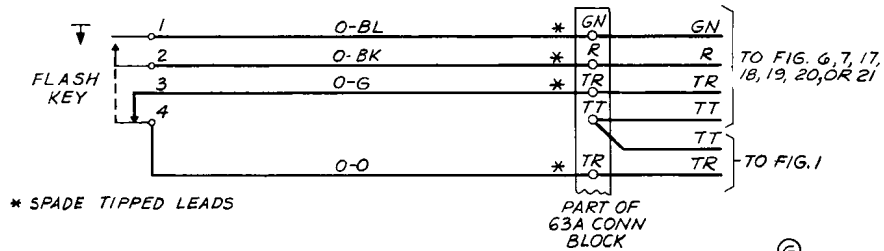


FIG.12
HANDSET, HEADSET AND JACKS
52-OR 53-TYPE
OPR TEL SET

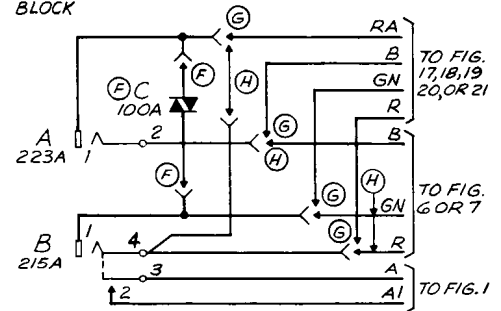
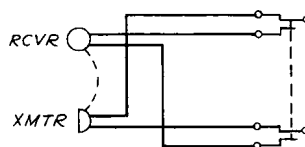


FIG.13
DIAL

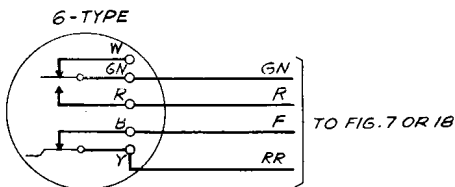
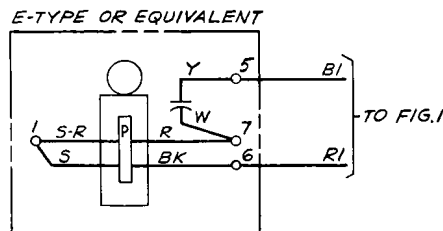


FIG.14
RINGER
SEE NOTE 110



DRAWING ISSUE	
1	DHC MEJ
2D	SEA DHC ARR

FIG. 15
7-TYPE BUZZER

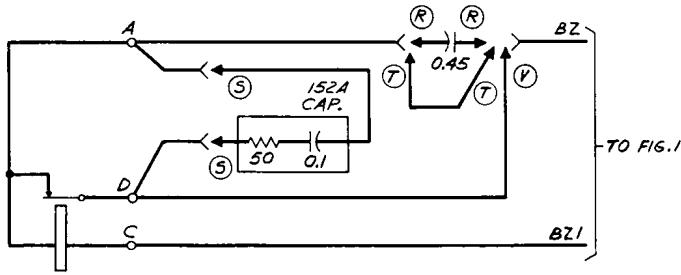


FIG. 16 (MFR DISC)
KS-8109 BUZZER

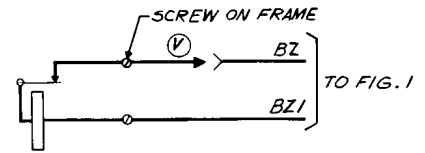
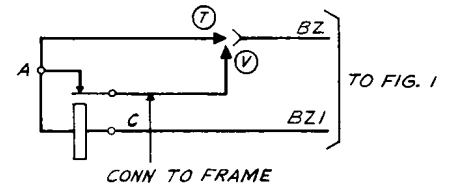


FIG. 22
KS-8109 L2 BUZZER



SD-69431-01-C8

STATION SYSTEMS
KEY TELEPHONE SYSTEMS NO. 1A2, 1A1, AND 6A
KEY AND TELEPHONE CIRCUIT
FLUSH MOUNTED KEYS

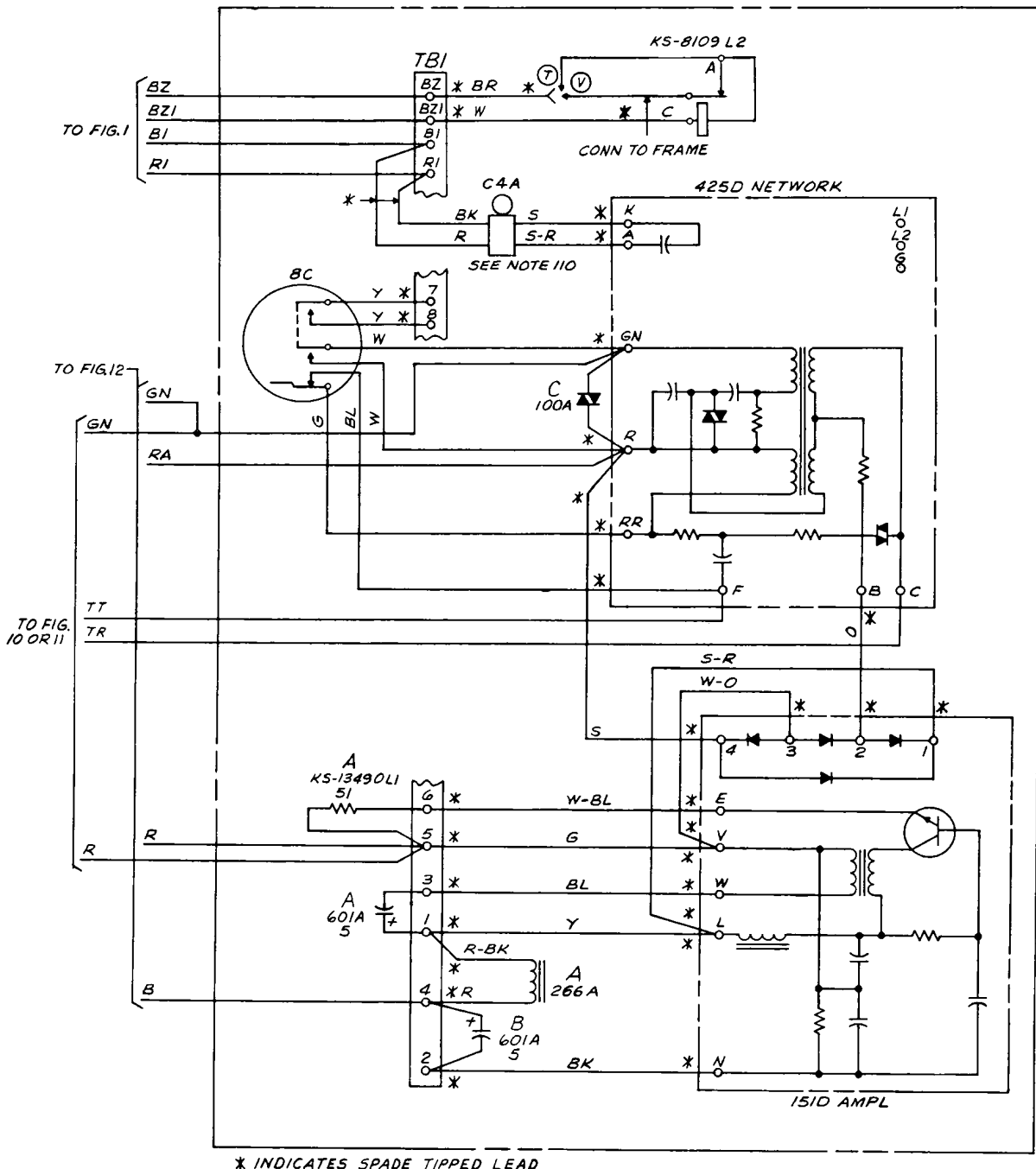
BELL TELEPHONE LABORATORIES
INCORPORATED

35

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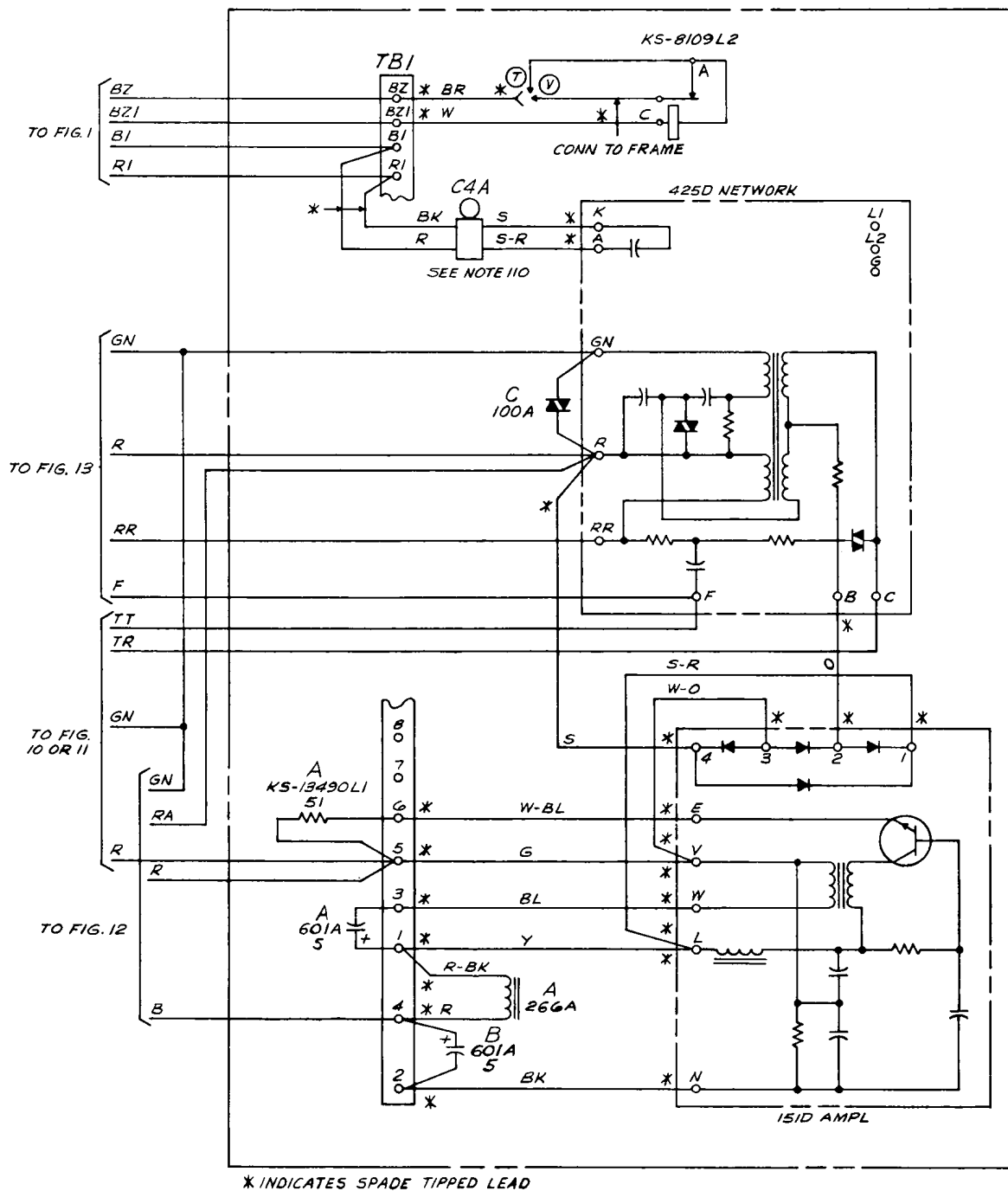
FIG. 17 (MFR DISC)
6908 SUBSET



SD-69431-01-C9

STATION SYSTEMS		SD-69431-01-C9
KEY TELEPHONE SYSTEMS NO. 1A2, 1A1, AND 6A		
KEY AND TELEPHONE CIRCUIT FLUSH MOUNTED KEYS		
BELL TELEPHONE LABORATORIES INCORPORATED	3S	PRINTED IN U.S.A.

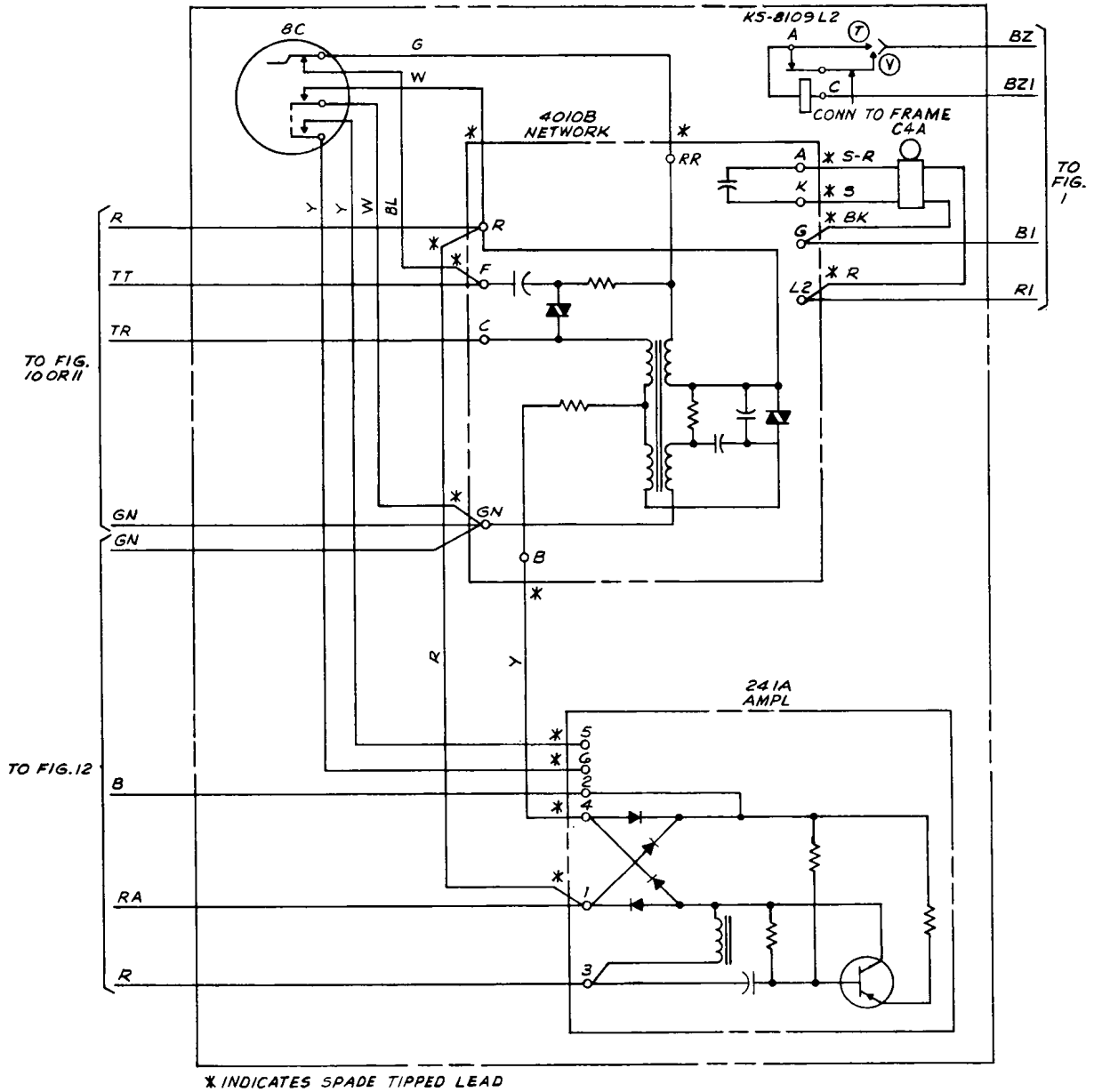
FIG. 18 (MFR DISC)
688B SUBSET



SD-69431-01-C10

DRAWING ISSUE	
2D	SEA DHC ARM
4D	SEA DHC ARM

FIG.19
690C SUBSET



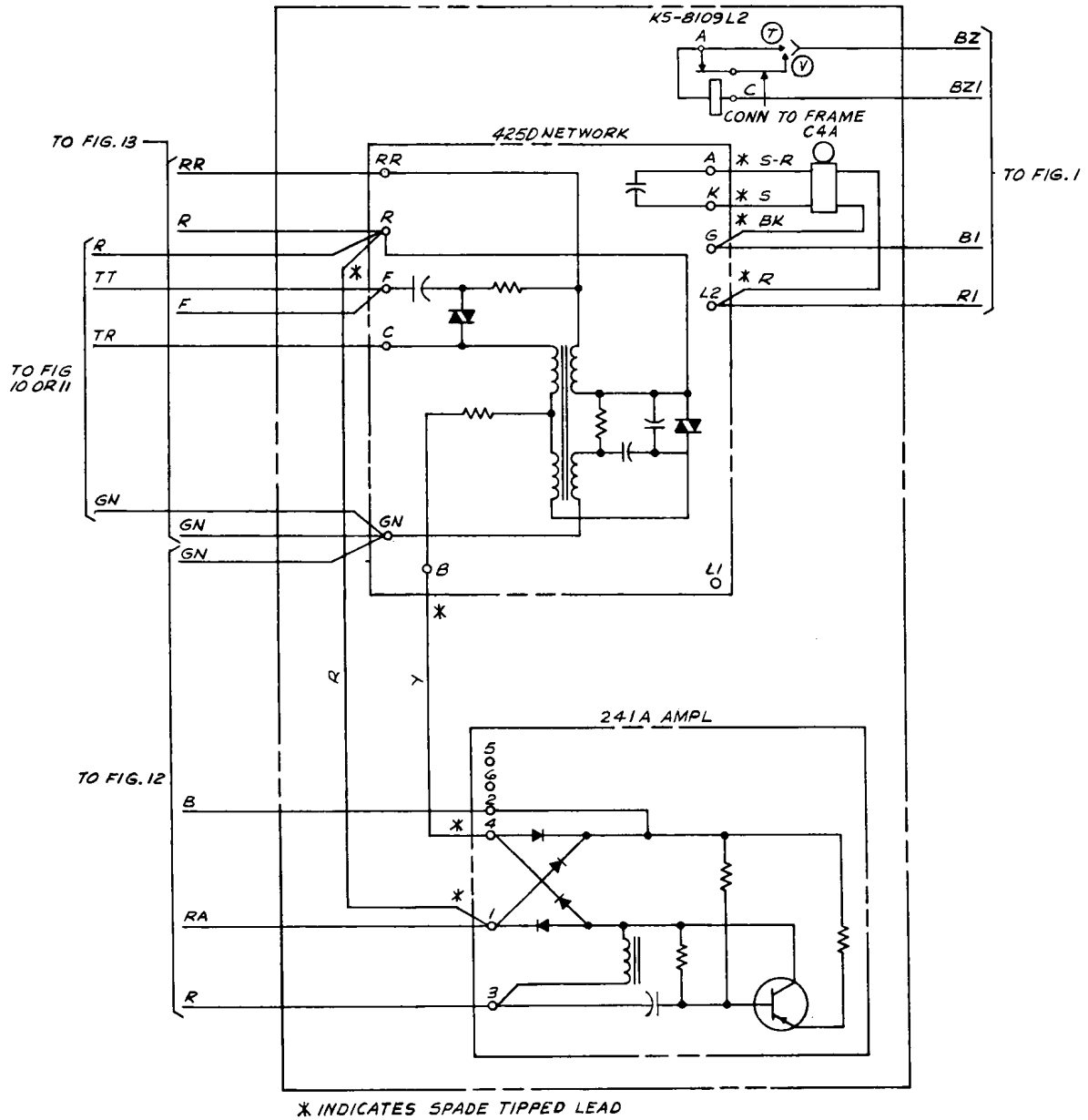
SD-69431-01-C11

STATION SYSTEMS	
KEY TELEPHONE SYSTEMS NO. 1A2, 1A1, AND 6A	
KEY AND TELEPHONE CIRCUIT	
FLUSH MOUNTED KEYS	
BELL TELEPHONE LABORATORIES INCORPORATED	OWN SIZE 3S

SD-69431-01-C11

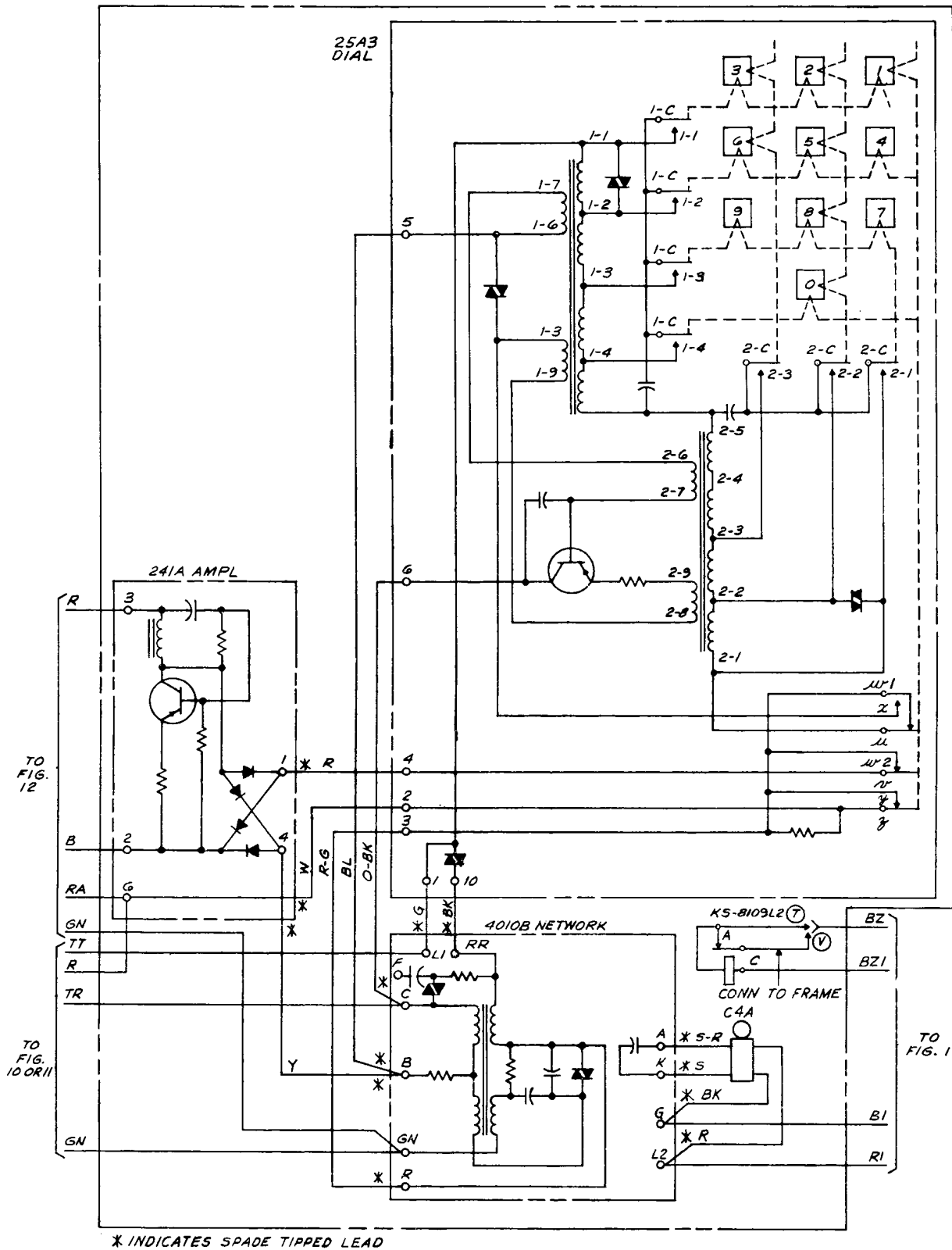
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FIG. 20
G88C SUBSET



SD-69431-01-C12

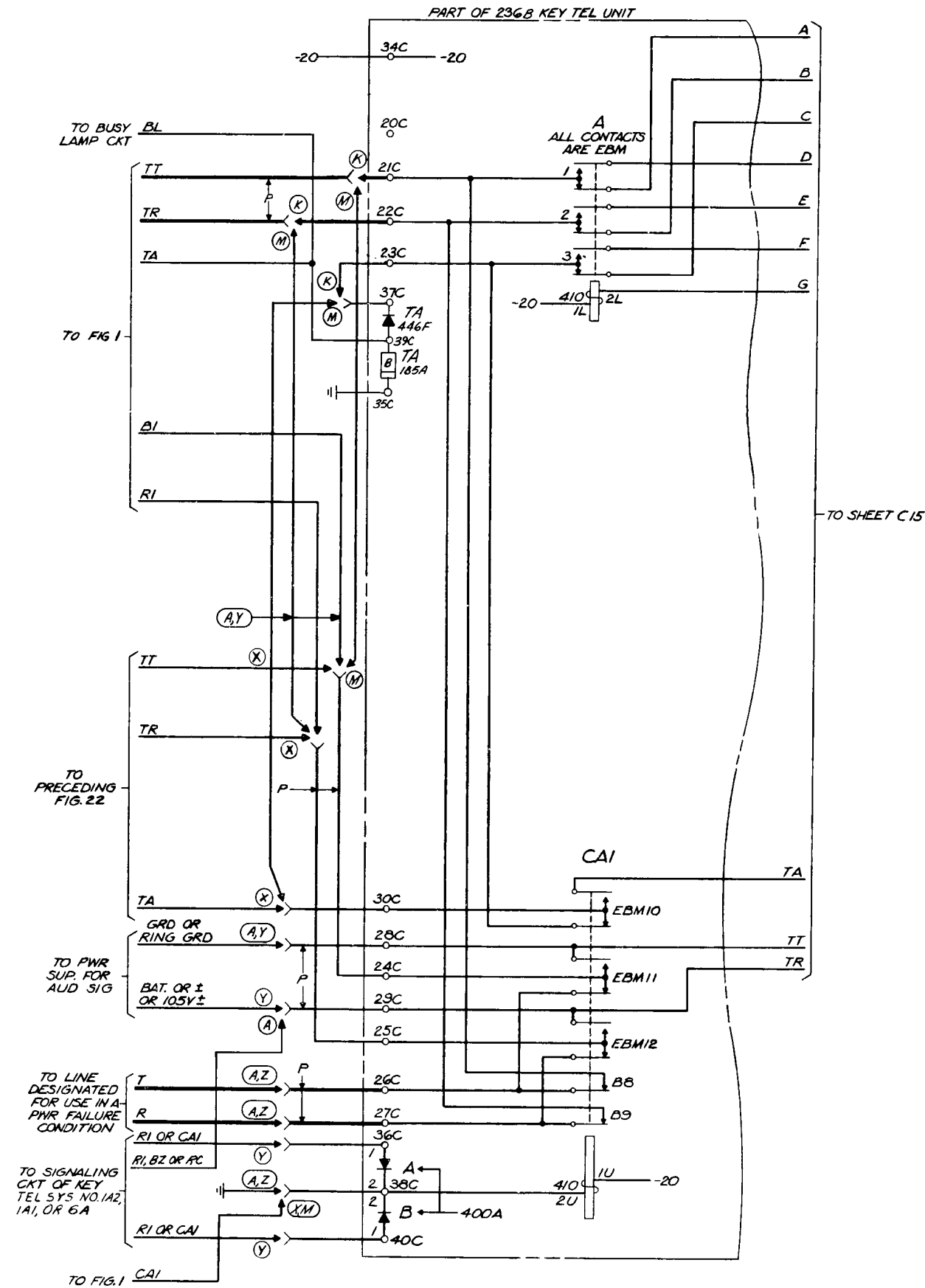
FIG. 21
1690C SUBSET



SD-69431-01-C13

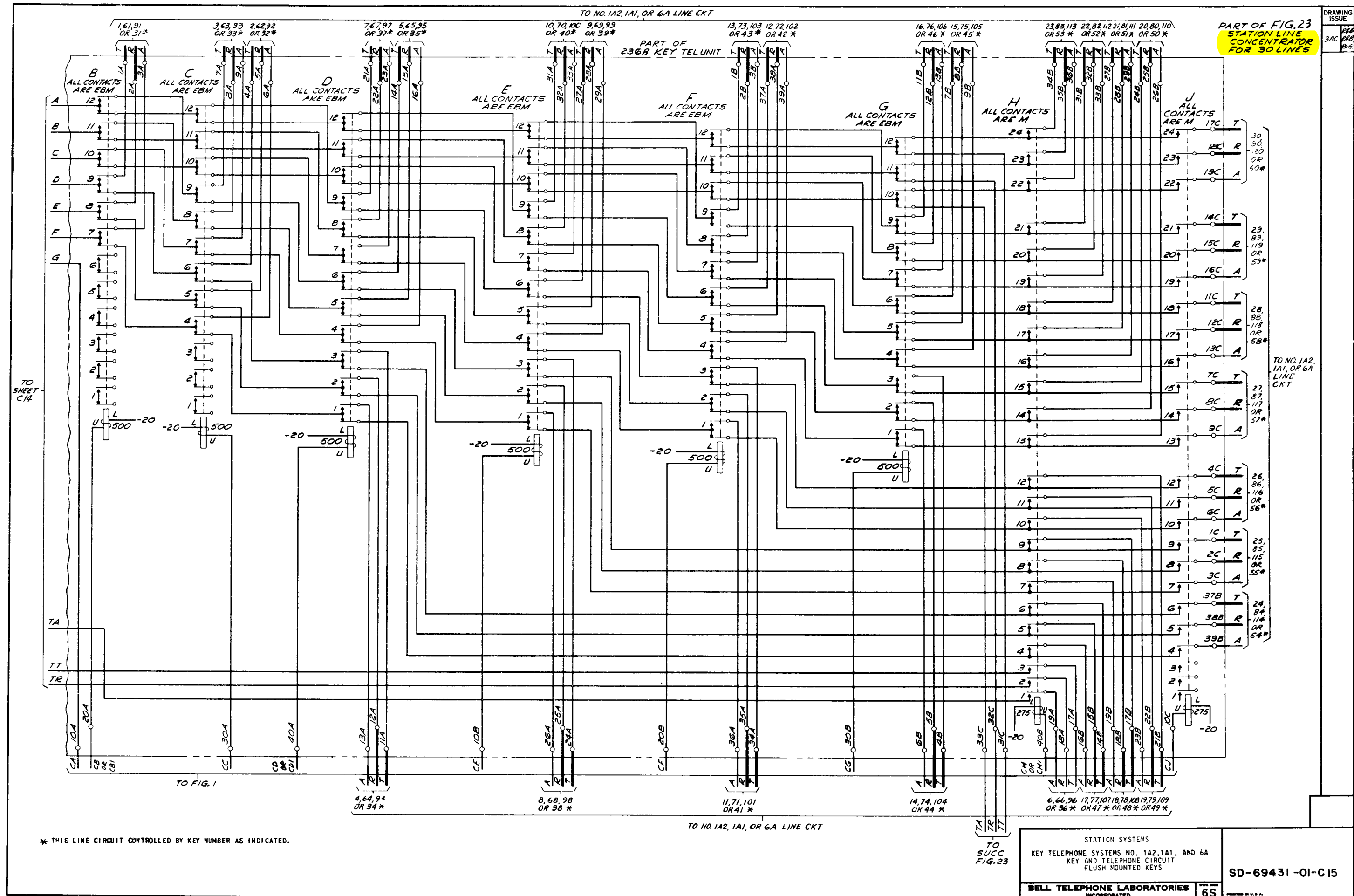
PART OF FIG. 23
STATION LINE CONCENTRATOR FOR 30 LINES

PART OF 236B KEY TEL UNIT



SD-69431-01-C14

STATION SYSTEMS		SD-69431-01-C14
KEY TELEPHONE SYSTEMS NO. 1A2, 1A1, AND 6A KEY AND TELEPHONE CIRCUIT FLUSH MOUNTED KEYS		
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CIRCUIT REQUIREMENTS

KEY TELEPHONE SYSTEMS NO. 1A2, 1A1, AND 6A KEY AND TELEPHONE CIRCUIT FLUSH MOUNTED KEYS

DRAWING
ISSUE

APPARATUS				MECH REQ			CIRCUIT PREPARATION			TEST SET PREP	SEE TEST NOTE	DIRECT CURRENT FLOW REQ					REMARKS
DESIG	CODE	OPTION	FIG.	BSP FIG.	CONT PRESS	ARM. TRVL	BLOCK OR INSULATE	TEST CLIP DATA				TEST WDG	TEST FOR	AFTER SOAK MA.	TEST MA.	READJ MA.	
								CONN BAT.	CONN GRD								
236A (MD) OR 236B KEY TEL UNIT																	
RELAYS																	
A	AK14		5.23	208					10A	GRD	00T	0		25.5	24.0	MTD WITH (CA1) REL	
B	AJ81		5.23	220					20A	GRD		0		24.5	23.0		
C	AJ81		5.23	220					30A	GRD		0		24.5	23.0		
CA1	AK14		5.23	208					38A	GRD	TOP	0		25.5	24.0	MTD WITH (A) REL	
D	AJ81		5.23	220					40A	GRD		0		24.5	23.0		
E	AJ81		5.23	220					10B	GRD		0		24.5	23.0		
F	AJ81		5.23	220					20B	GRD		0		24.5	23.0		
G	AJ81		5.23	220					30B	GRD		0		24.5	23.0		
H	AJ203		5.23	500					40B	GRD		0		35.0	33.3		
J	AJ203		5.23	500					10C	GRD		0		35.0	33.3		
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 STATION SYSTEMS
 KEY TELEPHONE SYSTEMS NO. 1A2, 1A1, AND 6A
 KEY AND TELEPHONE CIRCUIT
 FLUSH MOUNTED KEYS

 BELL TELEPHONE LABORATORIES
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