

SP 99555

10-99555-01

SHEET INDEX

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LEAD INDEX OPTION INDEX	A2		2	2	4	5	6	6	8	8	10															
FS 1 COMMUNICATION PANEL	B1	1	2	3	4	4	6	6	8	8	10															
FS 2 AUX COMMUNICATION PANEL	B2	1	2	2	4	5	5	5	8	9	9															
FS 3 CMS INTERFACE CKT	B3									9	9															
FS 4 PATCH CIRCUIT	B3																									
APP FIG. 1,2,3,4,5	C1	1	2	2	4	5	6	7	8	8	8															
APP FIG. 6	C2									9	9															
CIRCUIT NOTES EQUIPMENT NOTES INFORMATION NOTES	D1	1	2	2	4	4	6	6	8	9	10															
CAD 1,2	G1	1	2	3	4	4	6	6	8	9	10															
CAD 3,4,5,6	G2	1	2	2	4	4	6	6	6	6	10															
CAD 7,8,9	G3				4	5	5	5	8	8	8															
CAD 10, 11	G4									9	9															
CPS 1 2-W & 4-W AMPLIFIER	J1A	1	2	3	3	3	3	3	3	3	3															
	J1B	1	2	3	3	3	3	3	3	3	3															

CONTENTS	SHEET NO.	ISSUE NO.																									

DWG. ISSUE	CD	DATE ISSUED	BY	APPD
1	1	9-5-72	BD	WPK
2A	2A	4-11-73	ATL	WPK
3A	2A	5-8-74	BD	WPK
4B	2A	5-8-74	WPK	WPK
5A	2A	10-9-78	WPK	WPK
6B	2A	10-9-74	WPK	WPK
7A	2A	4-11-75	MH	WPK
8B	2A	10-23-75	MH	WPK
9B	3B	4-26-76	DLG	WPK
10B	4B	11-16-76	HBD	WPK

SHEET INDEX NOTES

- WHEN CHANGES ARE MADE IN THIS DRAWING, ONLY THOSE SHEETS AFFECTED WILL BE REISSUED.
- 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.
- THE ISSUE NUMBER ASSIGNED TO A CHANGED OR NEW SHEET WILL BE THE SAME ISSUE NUMBER AS THAT OF THE SHEET INDEX.
- SHEETS THAT ARE NOT CHANGED WILL RETAIN THEIR EXISTING ISSUE NUMBER.
- THE LAST ISSUE NUMBER OF THE SHEET INDEX IS RECOGNIZED AS THE LATEST ISSUE NUMBER OF THE DRAWING AS A WHOLE.

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DRAWINGS	J98626AA J98626AD ED-2C147
SYSTEMS COORD. CKTS	SD-99M34-01 SD-66010-01
SMAS NO. 3 MANUAL ACCESS CKT	SD-10491-01

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

ISSUE
10B

SD-99555-01 1N99
COMMON SYSTEMS
COMMUNICATION PANEL
FOR
UNITIZED TERMINAL
EQUIPMENT

AT&TCO
STANDARD

2 SD-99555-01-A1
14 SHEETS

BELL TELEPHONE LABORATORIES
INCORPORATED

6S

SD-99555-01-A1

LEAD INDEX

DESIG	LOCATION	
	FS	CAD
1A1 OR 1A2 KEY TEL SYSTEM		
A(1)-A(4)	1C2	1B3
A(5)	1C2	1D3
A1	1H4	1B3
K(1)-K(4)	1C2	1B3
K(5)	1C2	1E3
L(1)-L(4)	1C2	1B3
L(5)	1C2	1E3
LG(1)-LG(4)	1C2	1B3
LG(5)	1C2	1E3
R(1)-R(4)	1C2	1A3
R(5)	1H4	1D3
SG	1H4	1B3
T(1)-T(4)	1C2	1A3
T(5)	1H4	1D3

DESIG	LOCATION	
	FS	CAD
MANUAL ACCESS PANEL CKT NO. 2		
EL	2D3	2F7
ML	2D3	2F7
R	2A0	2B7
R1	2A0	2B7
R1L	2D3	2F7
RL	2D3	2F7
T	2A0	2B7
T1	2A0	2B7
T1L	2D3	2F7
TK1	2A0	2B7
TK2	2A0	2B7
TL	2D3	2F7

ORDER WIRE CKT NO. 1		
R	1A3	1F0
R1	1A3	1F0
T	1A3	1F0
T1	1A3	1F0

ORDER WIRE NO. 2		
R	1B3	1G0
R1	1B3	1G0
T	1B3	1G0
T1	1B3	1G0

TANDEM PATCH BAY		
E(1)-E(6)	1B9	2B4
E(7)-E(12)	2E1	2B4
M(1)-M(6)	1B9	2B4
M(7)-M(12)	2E1	2B4
R(1)-R(6)	1B9	2B4
R(7)-R(12)	2E1	2B4
R(1)-R(6)	1B9	2B4
R(7)-R(12)	2E1	2B4
T(1)-T(6)	1B9	2B4
T(7)-T(12)	2E1	2B4
T1(1)-T1(6)	1B9	2B4
T1(7)-T1(12)	2E1	2B4

CMS 1A TEL INTERFACE CKT & 1B STA CLUSTER CONTROLLER		
B	2F3, 2G3	3B0, 3C0
R	2F3, 2G3	3B0, 3C0
R1	2F3, 2G3	3B0, 3C0
T	2F3, 2G3	3B0, 3C0
T1	2F3, 2G3	3B0, 3C0

CO OR PBX LINE		
R(1)-R(4)	1C2	1A3
R(5)	1H4	1D3
T(1)-T(4)	1C2	1A3
T(5)	1H4	1D3

LINE AND TRUNK CKT FOR MTCE COMM OR REPAIR SERVICE		
A(1)-A(4)	1C2	1B3
A(5)	1C2	1E3
A1	1H4	1B3
K(1)-K(4)	1C2	1B3
K(5)	1C2	1E3
L(1)-L(4)	1C2	1B3
L(5)	1C2	1E3
LG(1)-LG(4)	1C2	1B3
LG(5)	1C2	1E3
R(1)-R(4)	1C2	1A3
R(5)	1H4	1D3
SG	1H4	1B3
T(1)-T(4)	1C2	1A3
T(5)	1H4	1D3

MANUAL ACCESS PANEL CKT NO. 1		
EL	2D3	1C0
IDL(1-7)	2C5	3B7
MAN(1-7)	2C5	3B7
ML	2D3	1C0
R	1A5, 2A1	1A0, 2C7
R1	1A5, 2A1	1A0, 2C7
R1L	2B5	1C0
RL	2B5	1C0
T	1A5, 2A1	1A0, 2C7
T1	1A5, 2A1	1A0, 2C7
T1L	2D3	1C0
TK1	1A5, 2A1	1A0, 2C7
TK2	1A5, 2A1	1A0, 2C7
TL	2D3	1C0

OPTION INDEX

APP OR WRG	RATED ON ISSUE	REF NOTES	LOC
Z	STD 2A		1C8, 1D7, 2F0, 2F1, 2G0, 2G1, 2G1 CAD 1, 4, 5
Y	STD 4B		1C6
X	STD 2A		1C8, 1D8, 2F0, 2F1, 2G0, 2G1 CAD 4
W	STD 2A MD 6B		1A1, 1(C-G)1, 1D8, 1H3 CAD 1
V	MC 4B		APP FIG. 2 2A8, 2B0, 2B2 2D2
T	STD 4B		APP FIG. 5 2A8, 2B8, 2C4 2D2, 2F8 CAD 9
S	STD 6B		1A1 CAD 1
R	A&M 6B		1(C-G)1
Q			1(C-F)1, 1H1, 1H3
N	STD 6B		1(C-G)1
M	STD 8B		2F4
K	STD 8B		2E4, 2E5 APP FIG. 4
J	MD 10		1B1, 1E6
G	STD 10		1B1, 1F6

ISSUE 10B

COMMUNICATION PANEL

SD-99555-01-A2

BELL TELEPHONE LABORATORIES INCORPORATED

65

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SD-99555-01-A2

FS 2
AUX COMMUNICATION PANEL

TABLE A

OPTION	V (S1) OR T (S5) SECTION	LEAD DESIG						
		a	b	c	d	e	f	g
A	TL	T(7)	T(8)	T(9)	T(10)	T(11)	T(12)	
B	RL	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	
C	TIL	T(7)	T(8)	T(9)	T(10)	T(11)	T(12)	
D	RIL	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	
E	EL	-	-	-	-	-	-	
F	ML	-	-	-	-	-	-	
Z	E	E(7)	E(8)	E(9)	E(10)	E(11)	E(12)	
Z	F	M(7)	M(8)	M(9)	M(10)	M(11)	M(12)	

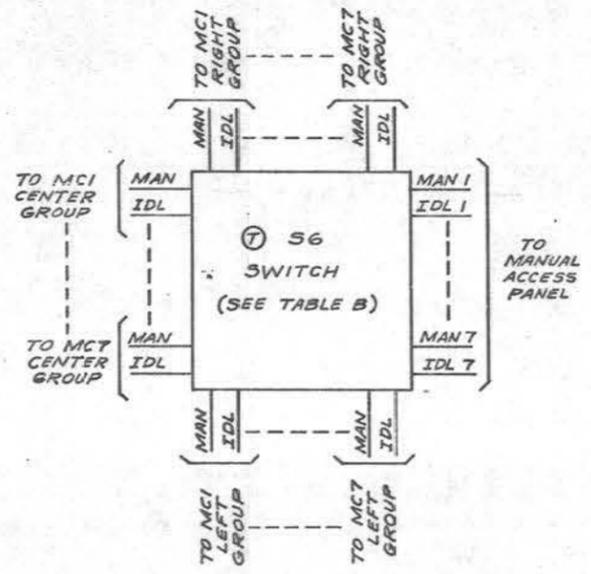
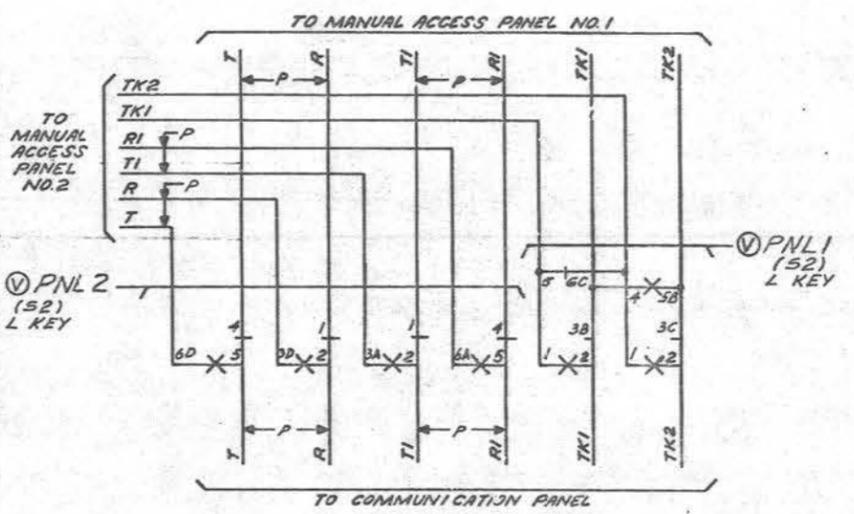


TABLE B

MTCE CONN GROUP	MTCE CONN	MAN LEAD		IDL LEAD		TERM. STRIP NO. 2	
		(S6) SWITCH SECT.	(S6) SWITCH TERM.	(S6) SWITCH SECT.	(S6) SWITCH TERM.	ROW NO.	TERM NO.
L	1 ST.	A	1	A	5	8	6,5
	2 ND.	A	9	B	1	9	6,5
	3 RD.	B	5	B	9	10	6,5
	4 TH.	C	1	C	5	11	6,5
	5 TH.	C	9	D	1	12	6,5
	6 TH.	D	5	D	9	13	6,5
	7 TH.	E	1	E	5	14	6,5
C	1 ST.	A	2	A	6	1	4,3
	2 ND.	A	10	B	2	2	4,3
	3 RD.	B	6	B	10	3	4,3
	4 TH.	C	2	C	6	4	4,3
	5 TH.	C	10	D	2	5	4,3
	6 TH.	D	6	D	10	6	4,3
	7 TH.	E	2	E	6	7	4,3
R	1 ST.	A	3	A	7	8	4,3
	2 ND.	A	11	B	3	9	4,3
	3 RD.	B	7	B	11	10	4,3
	4 TH.	C	3	C	7	11	4,3
	5 TH.	C	11	D	3	12	4,3
	6 TH.	D	7	D	11	13	4,3
	7 TH.	E	3	E	7	14	4,3

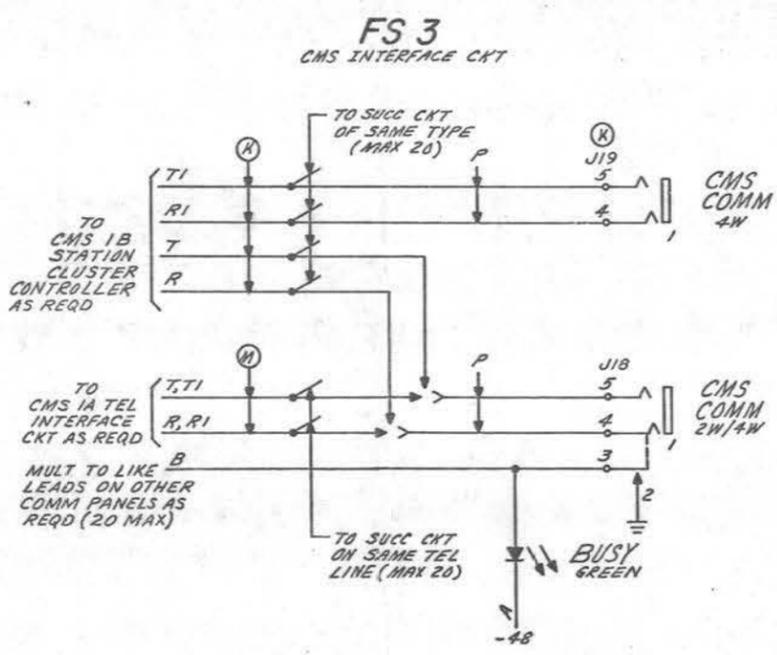
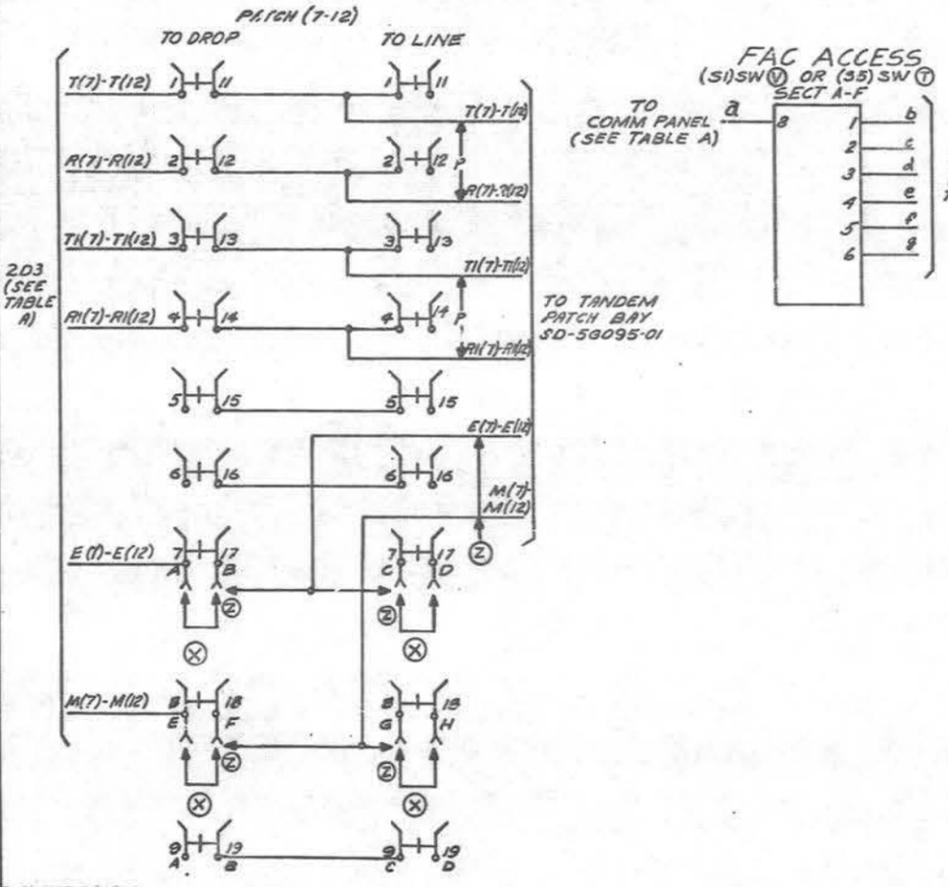
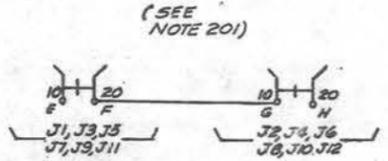


TABLE C

MANUAL ACCESS PANEL LEADS	(S6) SWITCH SECT. NO.	(S6) SWITCH TERM. NO.	TERM. STRIP NO. 2	
			ROW NO.	TERM NO.
MAN 1	A	12Y	1	6
IDL 1	A	4Y	1	5
MAN 2	A	8Y	2	6
IDL 2	B	12Y	2	5
MAN 3	B	4Y	3	6
IDL 3	B	8Y	3	5
MAN 4	C	12Y	4	6
IDL 4	C	4Y	4	5
MAN 5	C	8Y	5	6
IDL 5	D	12Y	5	5
MAN 6	D	4Y	6	6
IDL 6	D	8Y	6	5
MAN 7	E	12Y	7	6
IDL 7	E	4Y	7	5
NO CONN	E	8Y	-	-



SD-99555-01-B2

FS 4
PATCH CIRCUIT

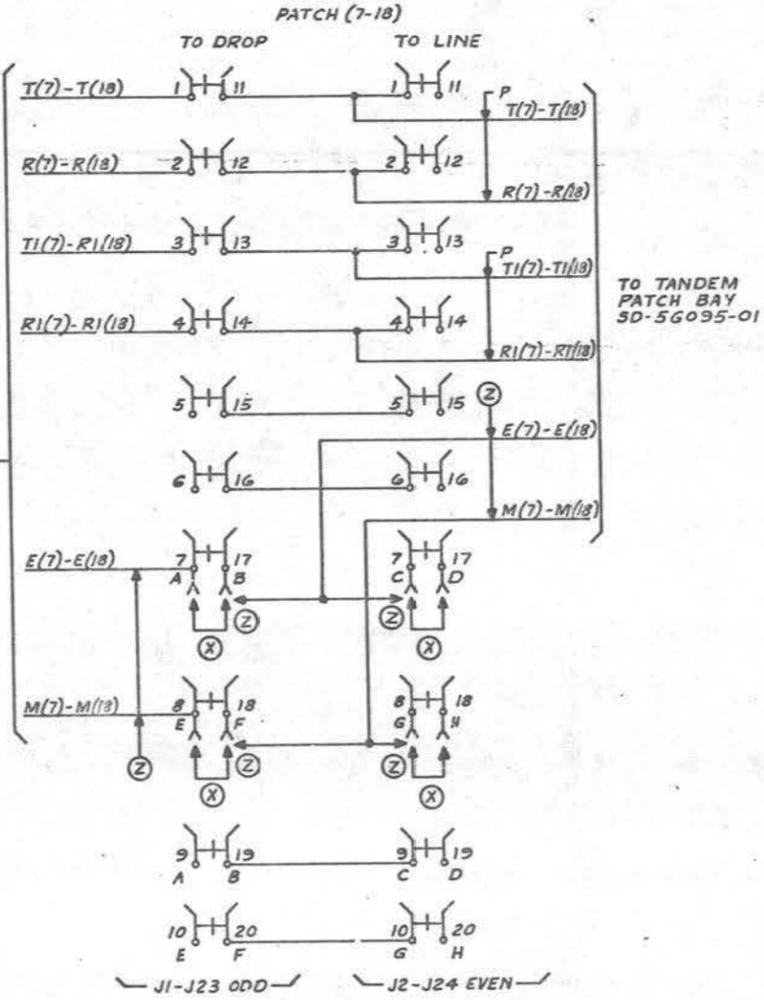
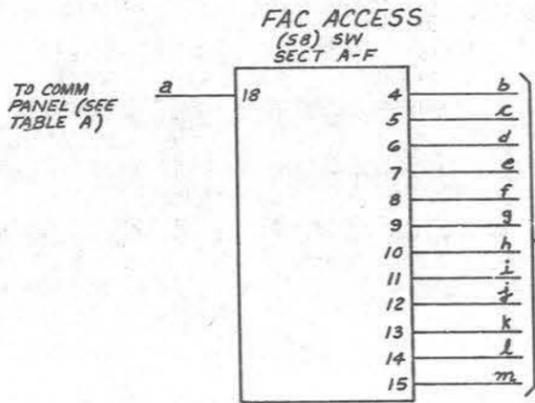


TABLE A FOR (S8) SW

OPT	SECT	LEAD DESIGN												
		a	b	c	d	e	f	g	h	i	j	k	l	m
	A	TP	T(7)	T(8)	T(9)	T(10)	T(11)	T(12)	T(13)	T(14)	T(15)	T(16)	T(17)	T(18)
	B	RP	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)	R(14)	R(15)	R(16)	R(17)	R(18)
	C	T1P	T1(7)	T1(8)	T1(9)	T1(10)	T1(11)	T1(12)	T1(13)	T1(14)	T1(15)	T1(16)	T1(17)	T1(18)
	D	R1P	R1(7)	R1(8)	R1(9)	R1(10)	R1(11)	R1(12)	R1(13)	R1(14)	R1(15)	R1(16)	R1(17)	R1(18)
Z	E	EP	E(7)	E(8)	E(9)	E(10)	E(11)	E(12)	E(13)	E(14)	E(15)	E(16)	E(17)	E(18)
Z	F	MP	M(7)	M(8)	M(9)	M(10)	M(11)	M(12)	M(13)	M(14)	M(15)	M(16)	M(17)	M(18)

SD-99555-01-83

ISSUE 9B

COMMUNICATION PANEL

BELL TELEPHONE LABORATORIES INCORPORATED

SD-99555-01-83

6S

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APP FIG. 1
FOR (COMM. PANEL)
J98626AA

NOTES:
1. UNITS PER (Y) OPTION HAVE AUX SWITCH POSITION IN COMMUNICATIONS PANEL.

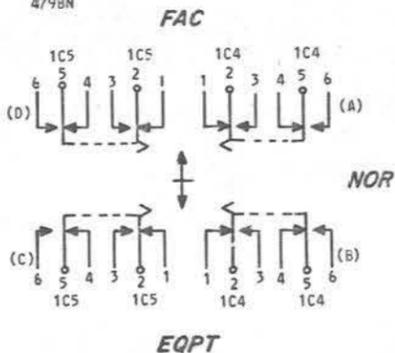
CIRCUIT PACK	
EQPT LOC	
DESIG	CP1
CODE	ED-2C147
OPTION	
ELEM IDENT	TERM.
TERM. FS LOC	36-1F3

CONNECTOR		
DESIG	LOC	CODE
EXT DATA SET (J13)	1H3	240A (JACK)
EXT HF KEY SET (J14)	1D5	239A (JACK)
P1	1A0	KS-16687, L3 (PLUG)
TEL (T(J15) R(J16))	1E3 1F3	361C (JACK) 361C (JACK)

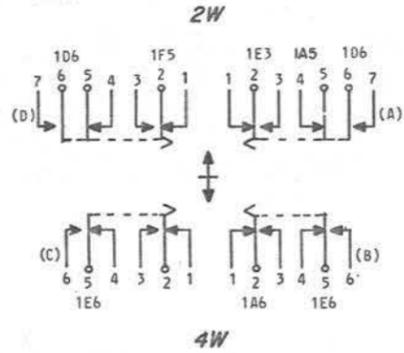
DIAL		
DESIG	LOC	CODE
DL (S6)	1E6	118

JACK
SEE CONNECTOR

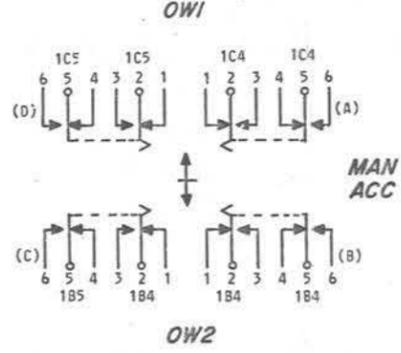
KEY (S7)
4798N



KEY (S3)
479GS



KEY (S4)
4798N



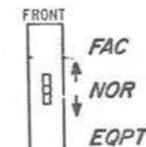
KEY (S5)
DESIG

LOC	CODE
1(A-H)0	399A, 657A

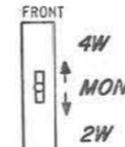
PLUG
SEE CONNECTOR

RESISTOR			
OPTION	DESIG	LOC	CODE
R	R1 R2-R6	1D3 1(C-E)1	257A, 600 KS-19151, L1, 390

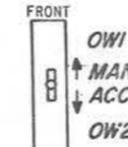
KEY TOP (S2)
4798N



KEY TOP (S3)
479GS

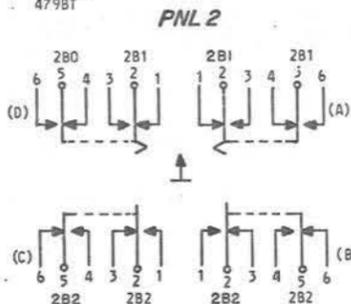


KEY TOP (S4)
4798N

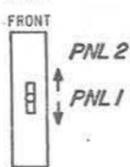


APP FIG. 2
FOR (AUX. COMM. PANEL)
J98626AD

KEY (S2)
4798T



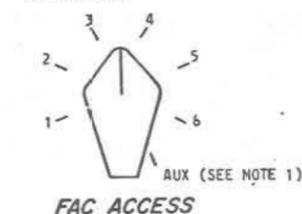
KEY TOP (S2)
4798T



CONNECTOR		
DESIG	LOC	CODE
J1-J12	1E7, 1E8	950A

SWITCH		
DESIG	LOC	CODE
FAC ACCESS (S1)	1B6	KS-19819, L43

SWITCH TOP (S1)
KS-19819, L43



APP FIG. 5
FOR (AUX. COMM. PANEL)
J98626AD

CONNECTOR		
DESIG	LOC	CODE
J1-J12	1E7, 1E8	950A

SWITCH		
DESIG	LOC	CODE
FAC ACCESS (S5)	1B6	KS-19819, L43
MTCE CONN GROUP (S6)	2C5	KS-14444, L99

SWITCH TOP (S5)
KS-19819, L43



SWITCH TOP (S6)
KS-14444, L99



APP FIG. 4

CONNECTOR		
DESIG	LOC	CODE
CMS COMM 2W/4W (J18)	2F6	241A (JACK)
CMS COMM 4W (J19)	2E6	241A (JACK)

LAMP		
DESIG	LOC	CODE
BUSY	2H4	552B LED E/W 841200108

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BELL TELEPHONE LABORATORIES INCORPORATED		
6S		PRINTED IN U.S.A.

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ISSUE
8B

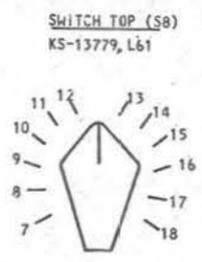
0 1 2 3 4 5 6 7 8 9

A
B
C
D
E
F
G
H

A
B
C
D
E
F
G
H

APP FIG. 6
FOR PATCH PANEL
J98626AK

CONNECTOR		
DESIG	LOC	CODE
J1-J24	3E3 3E4	950A
SWITCH		
DESIG	LOC	CODE
FAC ACCESS (S8)	3B1	KS-13779, L61



FAC ACCESS

SD-99555-01-C2

ISSUE
9B

CIRCUIT NOTES:

DESIG	FUSE AMP	POTENTIAL	QUANTITY
-48	0.5	-48	1 PER PANEL
BATTERY SYMBOL		VOLTAGE RANGE	
-48		45-52V	

FEATURE OR OPTION	PROVIDE		
	APP FIG.	APP OR WRG	QUANTITY
SEE NOTE 105	1,3	N	1
SEE NOTE 107		R,Q	
ELECT HOLD FOR PBX/CO LINES WHEN FURNISHED BY LINE & TRUNK CKT FOR MTCE COMM. SEE NOTE 106		S	1
CMS COMM	4	M	1
		K	
AUX COMM PANEL (SEE NOTE 302)	5	T,Y	1
PATCH PANEL	6		1
6-WIRE PATCH		Z	
4-WIRE PATCH		X	

* NON-RECORD OPTION

CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT		
				STD	A&M	MD
48	Y	NONE	302	Y		
	T OR V	V		T		V
68	S,H	W OR NONE	107	S OR NONE	Q OR NONE	W
	N,R	R	102	N	R	
88	K OR M	M		K & M		
88	KEYS			657A		599A
98	FIG. 6	NONE		FIG. 6		
108	J OR G	J		G		J

* NON-RECORD OPTION

CIRCUIT NOTES: (CONT)

- 104. THE NOMINAL CURRENT DRAIN FOR THE COMMUNICATIONS PANEL IS 0.130 AMPS @ -48Vdc.
- 105. WHEN FEATURES SUCH AS LAMP INDICATION OF INCOMING CALL STATUS, AUDIBLE LINE SIGNALS, OR ELECTRICAL HOLD ARE REQUIRED FOR ANY OF THE FIVE LINES OF THE COMMUNICATIONS CIRCUIT, IT IS NECESSARY TO CONNECT THAT LINE TO A LINE CIRCUIT OF EITHER THE "LINE AND TRUNK CIRCUIT FOR MAINTENANCE COMMUNICATIONS OR REPAIR SERVICE" (SD-99434-01) OR THE KEY TELEPHONE SYSTEM (1A1 OR 1A2). WHEN USING THE LINE CIRCUITS OF SD-99434-01 THE CONNECTING ARRANGEMENTS ARE GIVEN IN FS17 OR FS40 (OR EQUIVALENT).
- 106. ELECTRICAL HOLD FOR PBX OR CO LINES MAY BE SUPPLIED BY THE LINE CIRCUITS OF THE 1A1 OR 1A2 KEY TELEPHONE SYSTEM OR THE "LINE AND TRUNK CIRCUIT FOR MAINTENANCE COMMUNICATIONS" (FS40 OF SD-99434-01). THESE LINE CIRCUITS CANNOT BE MIXED IN THE SAME GROUP OF PICK-UP KEYS BECAUSE OF DIFFERENT HOLD OPERATION OF THE KTS AND THE "LINE AND TRUNK CKT FOR MTCE COMM".
- 107. WHEN COMMUNICATIONS LINES CONNECT TO FS18 (OR EQUIVALENT) OF THE LINE AND TRUNK CIRCUIT FOR MAINTENANCE COMMUNICATIONS OR REPAIR SERVICE (SD-99434-01) FURNISH R, Q. **(A&M)**

EQUIPMENT NOTES:

- 201. SHOP WIRED STRAPPING FOR (X) OR (Z) OPTION IS ALWAYS PROVIDED ON THE INSTALLER SIDE OF THE UNIT TERMINAL STRIP.
- 202. THIS UNIT IS ALWAYS FURNISHED WITH (W) OPTION FOR LINE OR TRUNK CKT FOR MTCE COMM OR REPAIR SERVICE. SHOP WIRED STRAPS PROVIDED ON INSTALLER SIDE OF TS-1 SHALL BE CUT WHEN THE COMMUNICATIONS PANEL IS REQUIRED TO INTERFACE WITH KEY TELEPHONE SYSTEM. **(MFR DISC)**

INFORMATION NOTES:

- 301. UNLESS OTHERWISE SPECIFIED: RESISTANCE VALUES ARE IN OHMS, CAPACITANCE VALUES ARE IN MICROFARADS, VALUES PRECEDED BY + (PLUS) OR - (MINUS) ARE IN VOLTS.
- 302. THIS OPTION (T) AND (Y) ALLOWS A MAXIMUM OF 3 GROUPS OF MTCE COMM TO BE ASSOCIATED WITH THE SAME MANUAL ACCESS PANEL. TYPICALLY THE "C" GROUP IS IN THE SAME BAY IN WHICH THE MANUAL ACCESS PANEL IS MOUNTED. THE L (LEFT) AND R (RIGHT) GROUP ARE IN ADJACENT BAYS.

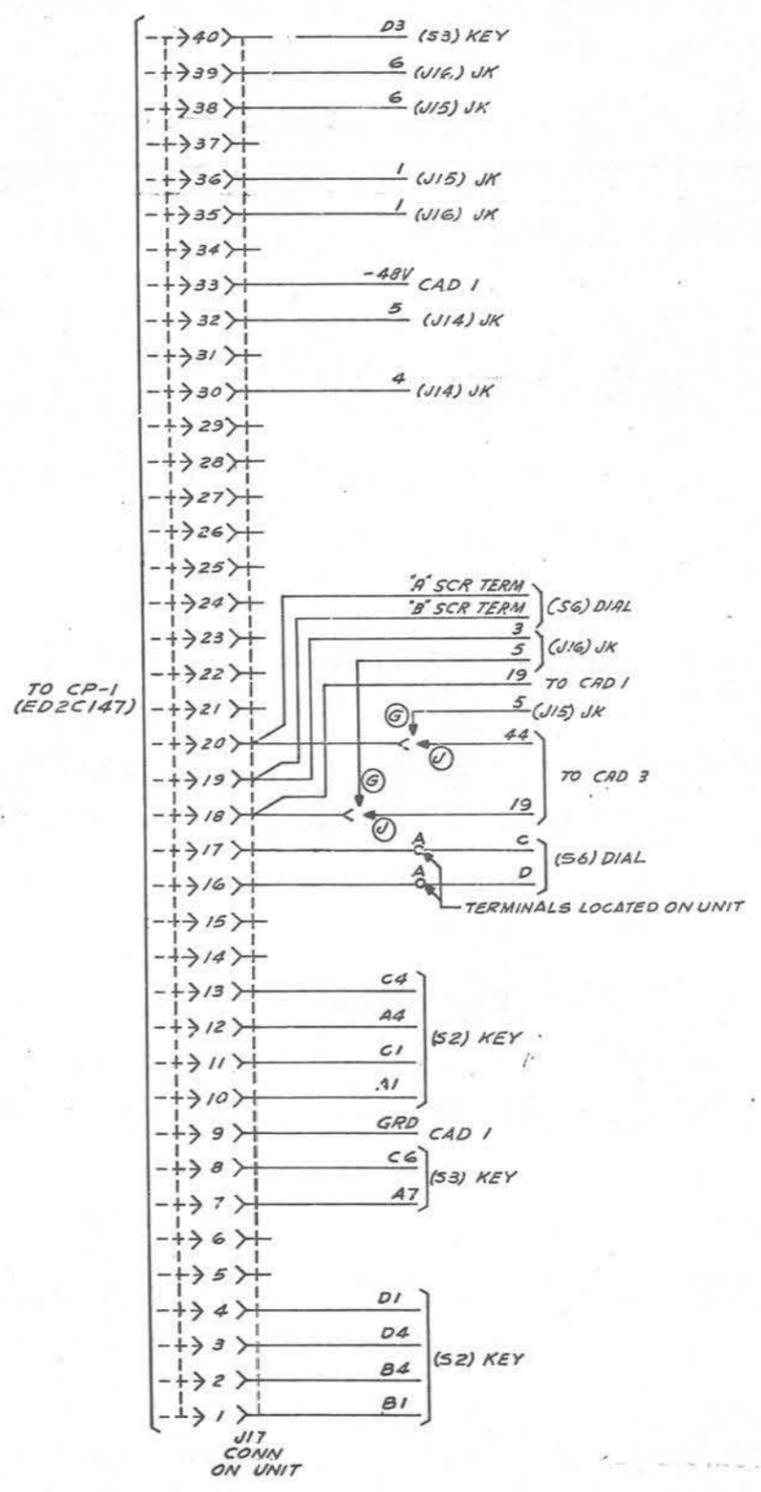
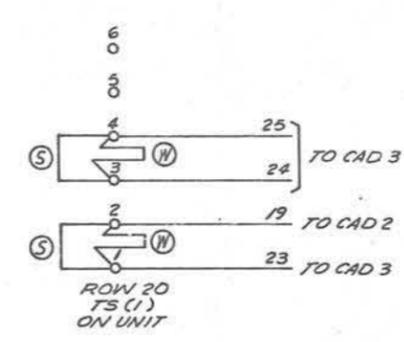
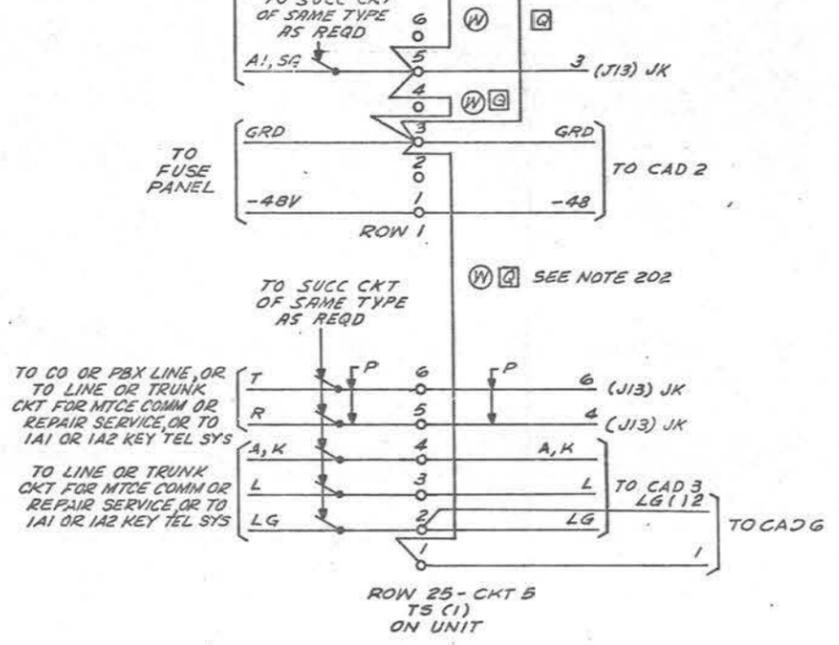
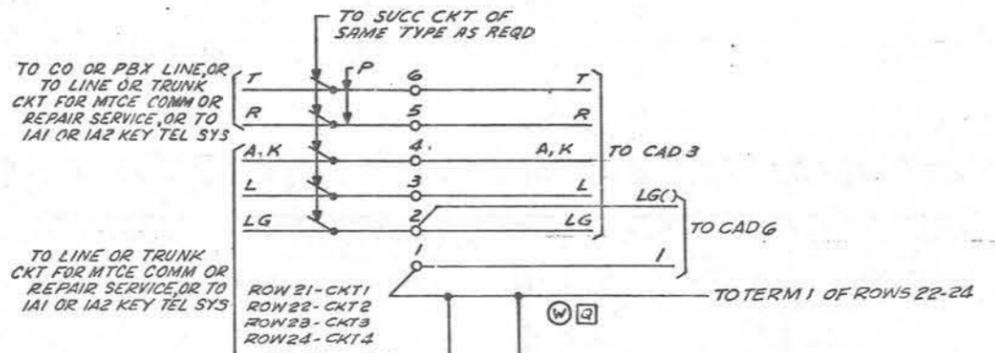
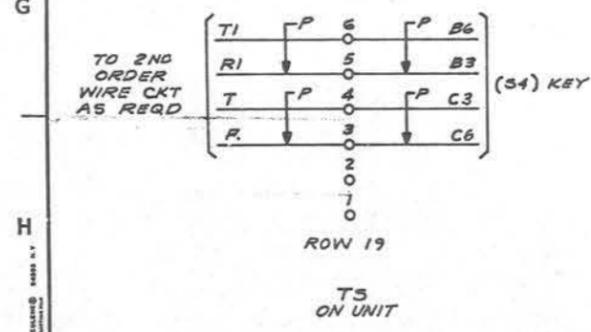
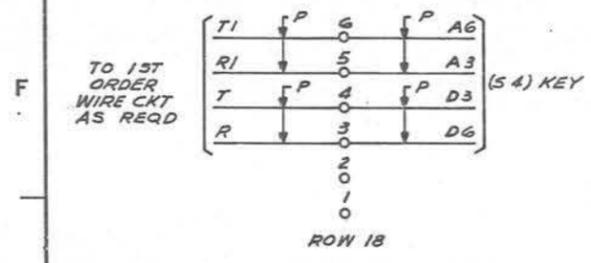
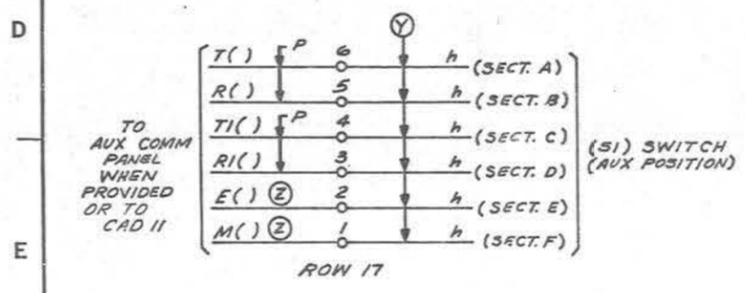
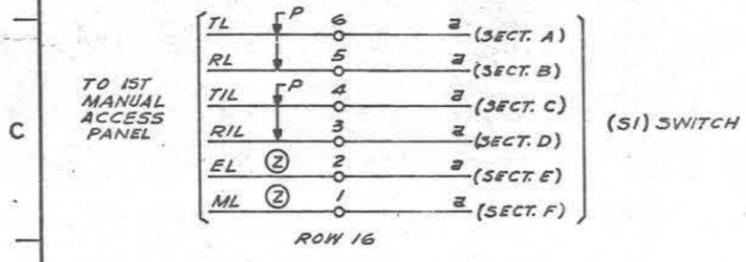
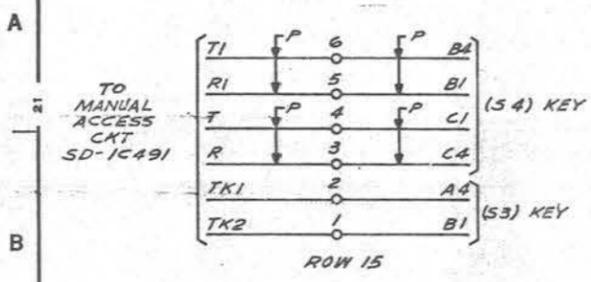
SD-9955-01-D1

ISSUE 10B

COMMUNICATION PANEL	SD-9955-01-D1
BELL TELEPHONE LABORATORIES INCORPORATED	6S

CAD 1 FOR J98G26AA

CAD 2 FOR J98G26AA



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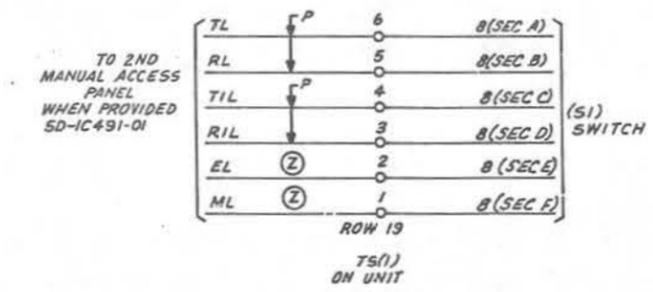
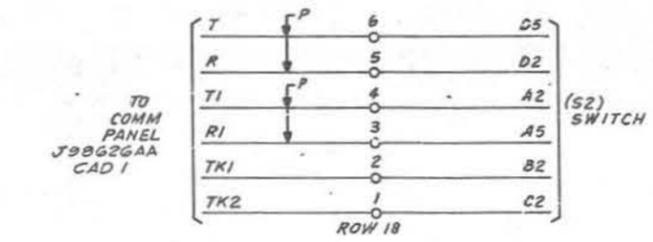
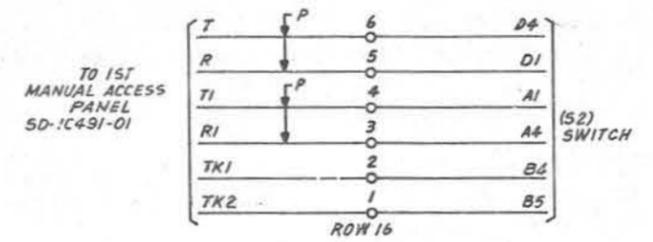
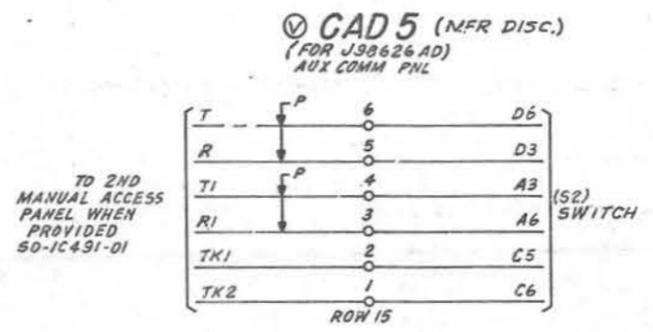
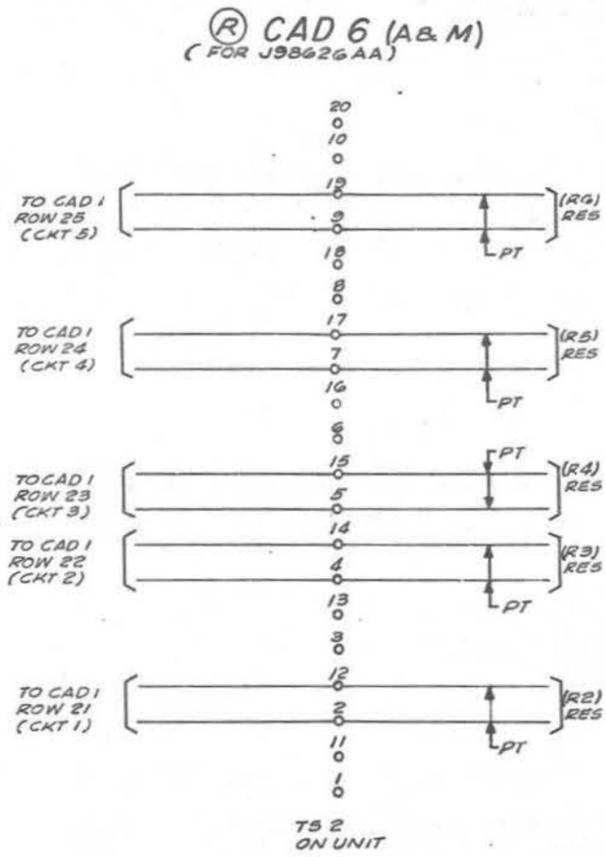
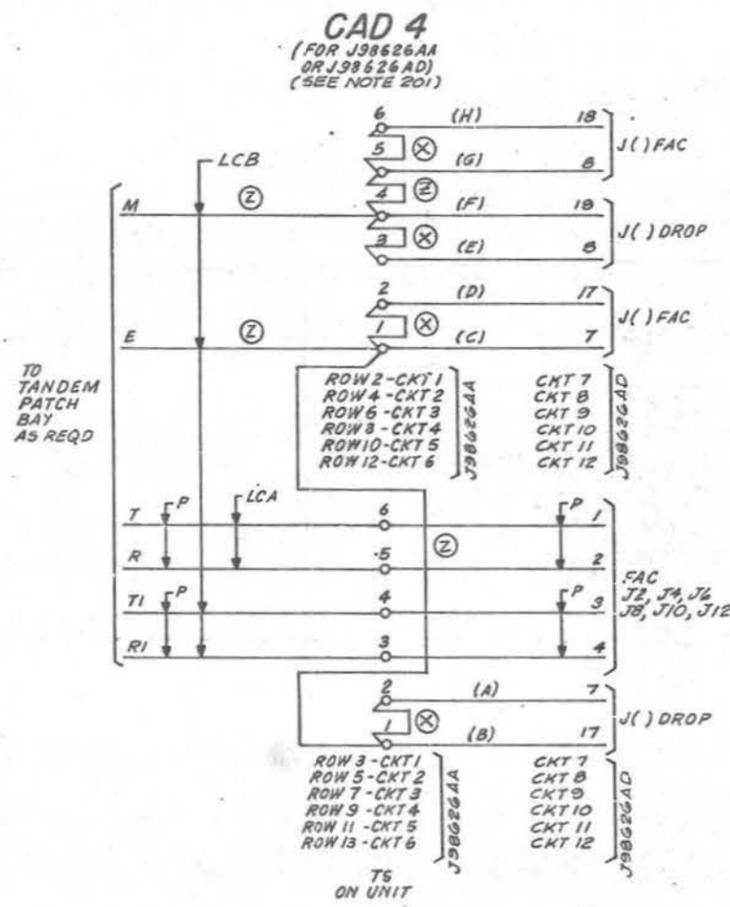
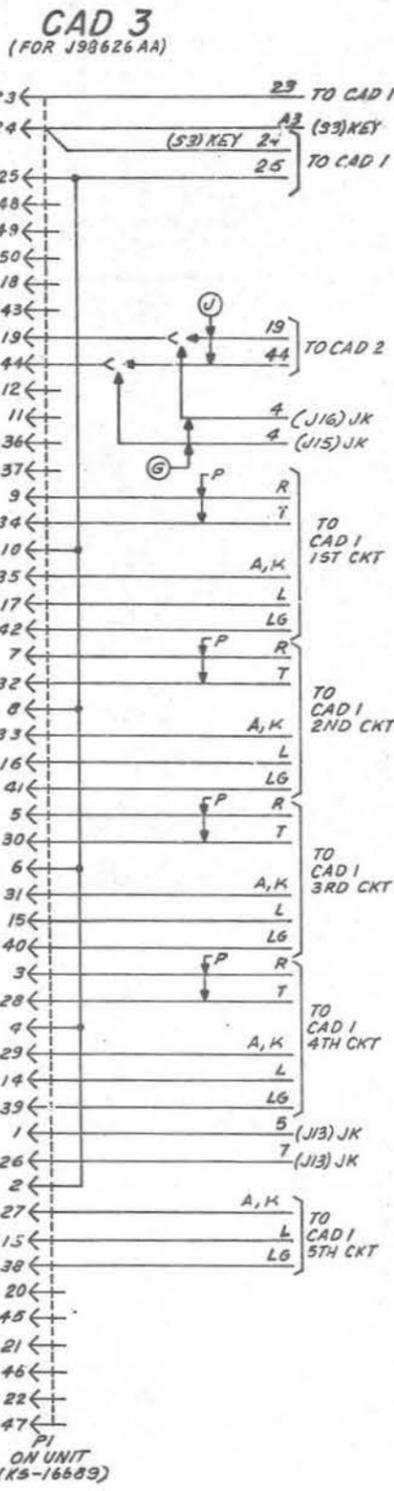
COMMUNICATION PANEL

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SD-99555-01-G2

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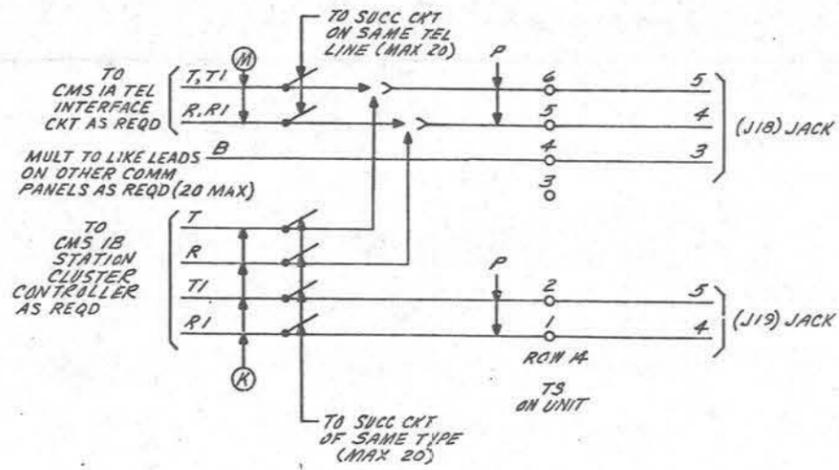
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65

0 1 2 3 4 5 6 7 8 9

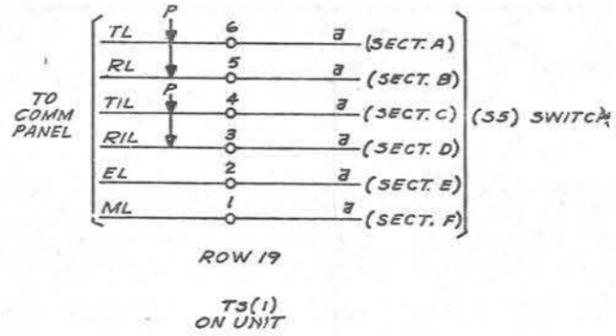
A
B
C
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H

CAD 7



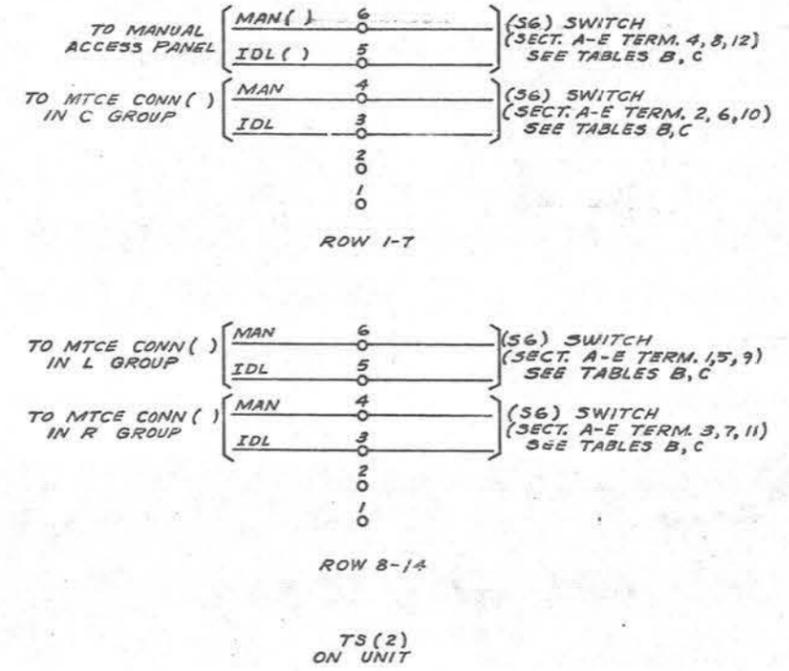
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FOR U98626AD (AUX COMM PANEL)



CAD 9

FOR U98626AD (AUX COMM PANEL)



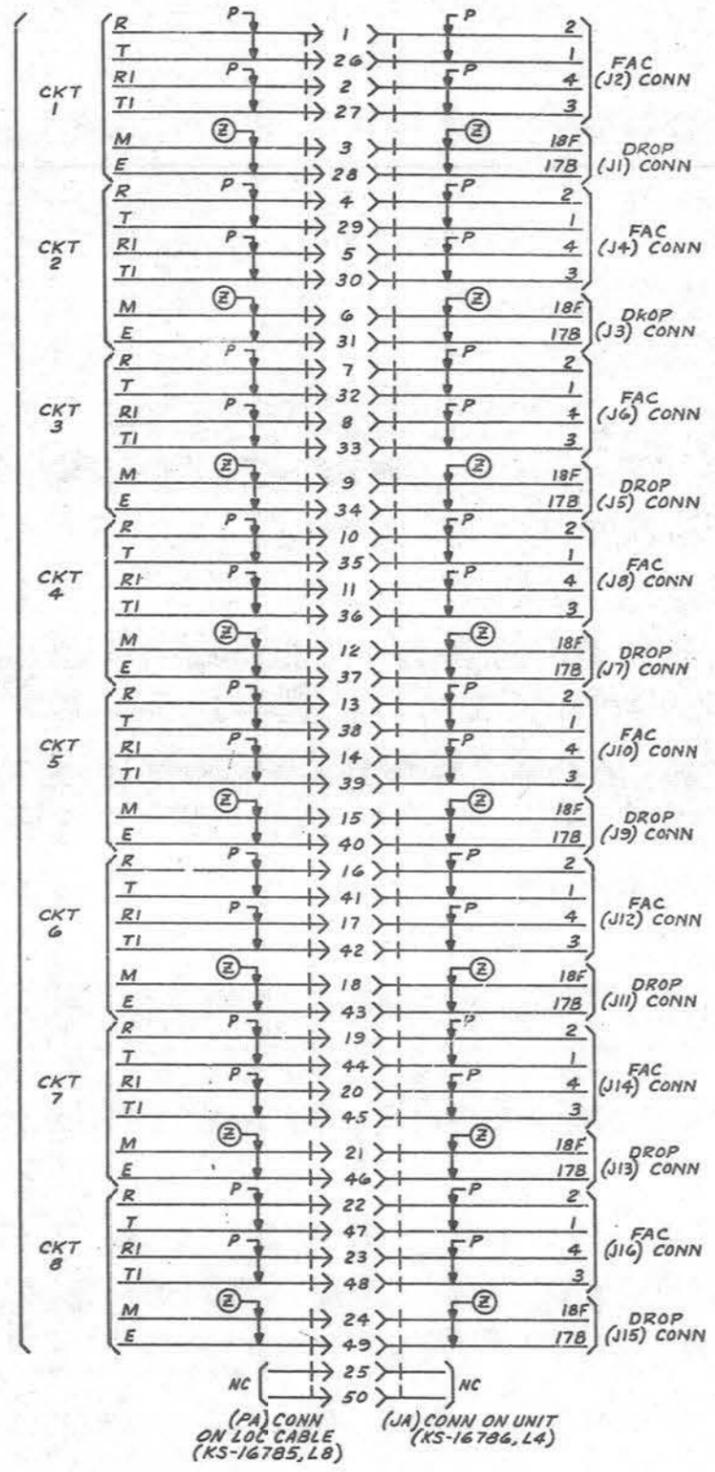
SD-99555-01-63

COMMUNICATION PANEL		ISSUE 8B
BELL TELEPHONE LABORATORIES INCORPORATED		SD-99555-01-63
	DATE 6S	PRINTED IN U.S.A.

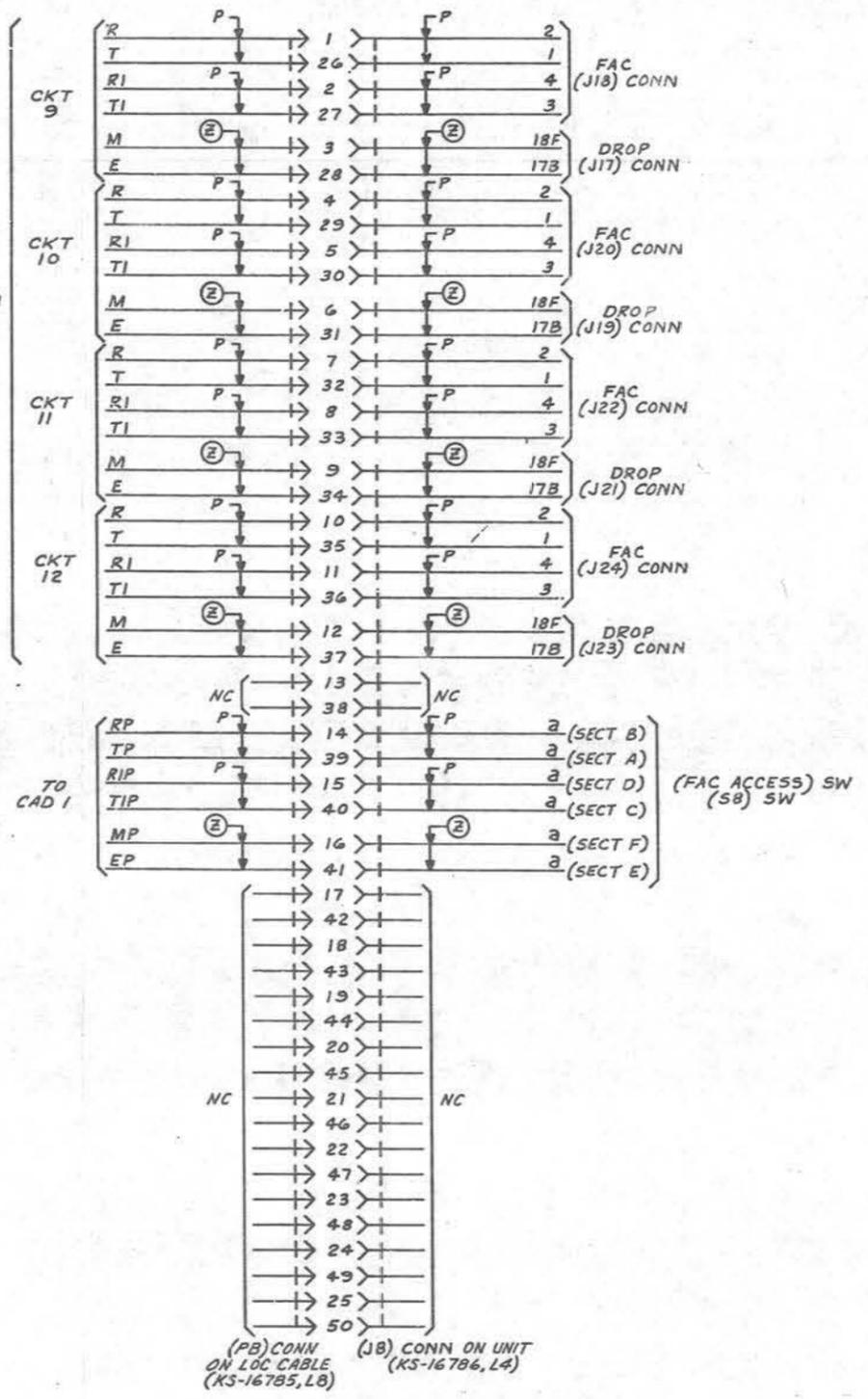
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CAD 10
FOR PATCH PANEL
J98G2GAK

CAD 11
FOR PATCH PANEL
J98G2GAK



TO TANDEM
PATCH BAY
AS REQ'D



TO
CAD I

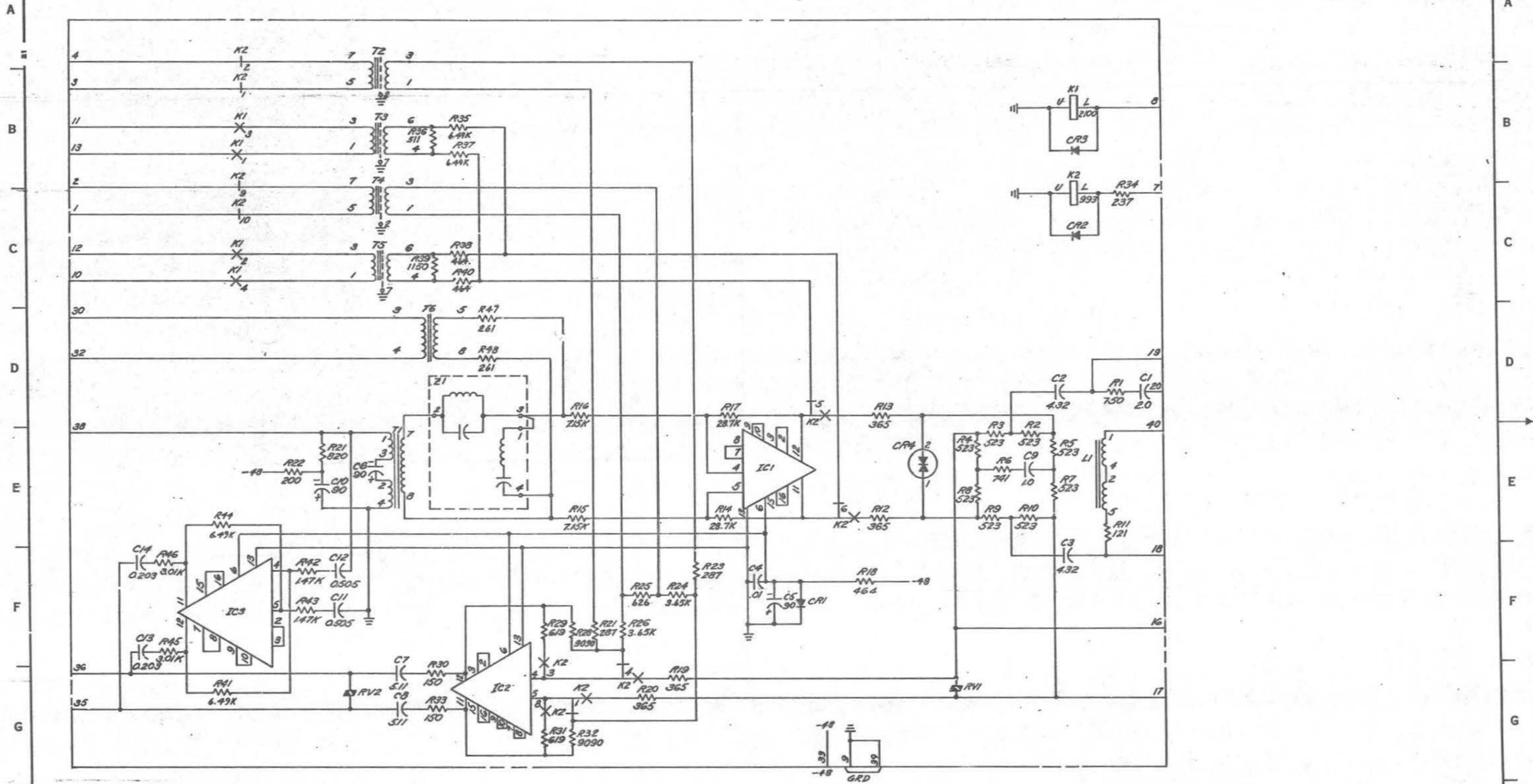
(FAC ACCESS) SW
(S8) SW

SD-99555-01-G4

ISSUE
9B

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PART OF CPS I
2-W & 4-W AMPLIFIER



SD-99555-01-J1A

2-W & 4-W AMPLIFIER PART OF CPS I		ISSUE 3A
COMMUNICATION PANEL		SD-99555-01-J1A
BELL TELEPHONE LABORATORIES INCORPORATED		6S

PART OF CPS I
2 W & 4-W AMPLIFIER

COMPONENT LIST

RELAY			
DESIG	K1	K2	
CODE	MA6A	BJ1A	
OPTION	CONT ARR	LOC	CONT ARR
12			
11			
10		B	1C1
9		B	1B1
8		M	1G3
7			
6		MB	1D5
5		MB	1E5
4	M	1C1	MB 1G3
3	M	1B1	M 1G3
2	M	1C1	B 1A1
1	M	1B1	B 1B1
COIL			
	X	1B7	X
			1C7

RELAY NOT ADJUSTABLE, REPLACE WHEN THERE IS MALFUNCTION.

AMPLIFIER

DESIG	CODE
IC1-IC3	5024H

CAPACITOR

DESIG	CODE
C1	542AG
C2, C3	535GH
C4	KS-16048, L4, .01
C5, C6	KS-19524, L14, 90
C7, C8	705G, 5.11
C9	535CK
C10	KS-19524, L14, 90
C11, C12	535HY
C13, C14	535B

DIODE

DESIG	CODE
CR1	485H
CR2, CR3	446F
CR4	446AJ

INDUCTOR

DESIG	CODE
L1	1626A, 2.25H, 75

NETWORK

DESIG	CODE
Z1	4161A

RESISTOR

DESIG	CODE
R1	257A, 750
R2-R5	257A, 523
R6	257A, 741
R7-R10	257A, 523
R11	KS-14603, L3A, 121
R12, R13	257A, 365
R14	257A, 28.7K
R15, R16	257A, 7.15K
R17	257A, 28.7K
R18	KS-14603, L3A, 464
R19, R20	257A, 365
R21	KS-20289, L3A, 820
R22	KS-20289, L3A, 200
R23	257A, 287
R24	257A, 3.65K
R25	257A, 626

COMPONENT LIST (CONT)

RESISTOR (CONT)

DESIG	CODE
R26	257A, 3.65K
R27	257A, 287
R28	257A, 9090
R29	257A, 619
R30	257A, 150
R31	257A, 619
R32	257A, 9090
R33	257A, 150
R34	KS-16314, L6A, 237
R35	257A, 6.49K
R36	257A, 511
R37	257A, 6.49K
R38	257A, 464
R39	257A, 1150
R40	257A, 464
R41	257A, 6.49K
R42, R43	257A, 1.47K
R44	257A, 6.49K
R45, R46	257A, 3.01K
R47, R48	257A, 261

TRANSFORMER

DESIG	CODE
T1	2564AG
T2	2602AT
T3	2532AD
T4	2602AT
T5	2532AD
T6	2564AC

VARIATOR

DESIG	CODE
RV1	105A
RV2	104A

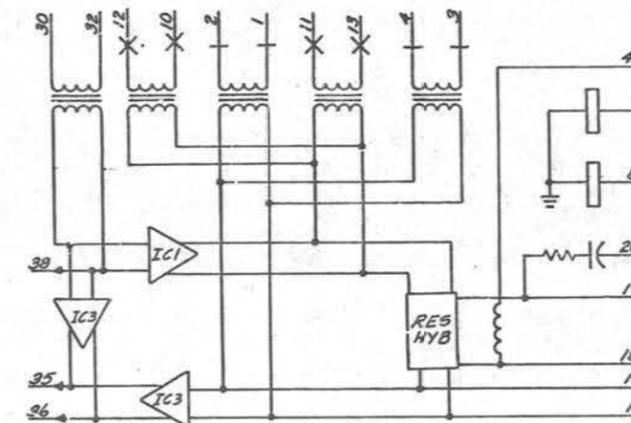
CIRCUIT DESCRIPTION

- THIS CIRCUIT PROVIDES THE FOLLOWING MAJOR FUNCTIONS:
- (1) 2-W TO 4-W RESISTANCE HYBRID AND BALANCE NETWORK (R2 TO R10 AND C9)
 - (2) TRANSMITTING AMPLIFIER (A1)
 - (3) RECEIVING AMPLIFIER (A2)
 - (4) SIDE TONE AMPLIFIER (A3)
 - (5) 2600HZ FILTER (N1)
 - (6) 2-W, 4-W, & MONITOR CONTROL FUNCTION (K1, K2)

MANUFACTURING REFERENCES

CATEGORY	NO.
CIRCUIT PACK CODE AND ASSEMBLY DRAWING	ED-2C147
CONNECTOR ON FRAME	928C

SYMBOL



NOTES:

1. UNLESS OTHERWISE SPECIFIED: RESISTANCE VALUES ARE IN OHMS; K IS FOR KILOHMS; CAPACITANCE VALUES ARE IN MICROFARADS, VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS) ARE IN VOLTS.
2. \perp GROUND RETURN

SD-99555-01-J1B

2-W & 4-WIRE AMPLIFIER
PART OF CPS I

ISSUE
3A

COMMUNICATION PANEL

BELL TELEPHONE LABORATORIES
INCORPORATED

6S

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