

SHEET INDEX

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SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DWGS	J58829AG
EQUIPMENT DESIGN REQ	J58829
OPERATION TEST BSP	551-175-501

DWG ISSUE	CD	DATE ISSUED	Drawn	APPD
1	1	3-20-64	SAK JFF EC KFL	RAV HW
2	1	3-24-65	SAK JFF EC KFL	RAV HW
30	1	1-31-67	BCM JUM PJS LAH UT RHP	RAV HW
48	1	5-10-68	EMC SHA PJS LAH RHOLDJ	RAV HW
50	1	11-12-68	RPR MEK SAKSGS RHOSEB	RAV HW
60	2D	8-8-72	HBN WVS RQP AFE	RAV HW
78	2D APP 1B	4-3-73	HJF WVS RVL AFR	RAV HW
80	2D APPX 2D	3-1-74	FSW WVS RVL AFR	RAV HW

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
8D

SD-66909-01	2J07	RAM ONLY
PBX SYSTEMS NO. 756A STATION DIAL TRANSFER CONTROLLER CIRCUIT		
(CONT CKT)		SD-66909-01-AI
BELL TELEPHONE LABORATORIES INCORPORATED		17 SHEETS

SD-66909-01-AI

APPARATUS INDEX

DESIG	LOCATION		
	FS	APP FIG	EQPT
RELAYS			
ATB	1D4	1	
ARD-9	(3-5)F7	1	
GP	1E2	1	
RCD	2E5	1	
RC1	2G4	1	
SAC9	2D4	1	
STO-9	(3-5)B7	1	
T(O-9)A	1(B-H)1	1	
T(O-9)B	1(B-H)5	1	
TPO-9	1(B-H)7	1	
TR0-9	(3-5)A7	1	
TR1	2B7	1	

DESIG	LOCATION		
	FS	APP FIG	EQPT
DIODES			
ARD-9	(3-5)F7	1	
GP	1E2	1	
RCA	2E5	1	
RCB	2G5	1	
RCD	2F6	1	
RL1	2G6	1	
TPO-9	1(B-H)7	1	

DESIG	LOCATION		
	FS	APP FIG	EQPT
NETWORKS			
GP	1F2	1	
RCD	2E4	1	
RC1	2G4	1	
TH90	2B4	1	
TH91	2H4	1	

DESIG	LOCATION		
	FS	APP FIG	EQPT
SWITCH			
NO.9	SEE APP FIG.	1	

DESIG	FS LOC
B20-9	6H3

DESIG	FS LOC
COLS POS CKT	

DESIG	FS LOC
LINE LINK AND MARKER CKT	
RG3	2D9
RG6	2D9
SHTA	2C7
SHTB	2C7
SH(O-9)	2(B-F)1
TFA	2G1
TFB	2A1
TR	2E6
TRA	2A1
TRB	2A1
TRT	2B7
TR0	2F6
TR1	2G4
TR0A	2F6
TR1A	2G4
TR8	2B1
TR9	2C1

LEAD INDEX

DESIG	FS LOC
POWER SUPPLY CKT	
CR	6H0
FF	6H0

DESIG	FS LOC
STA DIAL TR TRK CKT NO. 1	

DESIG	FS LOC
STA DIAL TR TRK CKT NO. 2	
COO	3F1
GP	1B2
GRD	3C1
H1A	2G3
H1PA	1B2
HCC	3C1
ONG	3C1
PA	3G1
P3	3G1
PR	3A1
R	6F8
RA	3E1
RB	3D1
RLS	3E1
RLDT	3B1
S	6F8
ST	3B1
STB	3A1
T	6F8
TA	3D1
TB	3D1
TRF	2B6
TRU	2G3
TR1A	2H5

DESIG	FS LOC
TWO-WAY CO TRK CKT	
AAA	(3-5)F8
AA8	(3-5)F8
CG	(3-5)C8
ER	6E1
FR	(3-5)E8
FL1	6G1
FL2	6G1
GR	6E0
LL	6G1
MC	(3-5)C9
MR	(3-5)H9
PA	(3-5)G3
PB	(3-5)G3

DESIG	FS LOC
TWO-WAY CO TRK CKT (CONTINUED)	
R3A	(3-5)D8
R3S	(3-5)D8
RCA	(3-5)E8
RLR	(3-5)A8
RS	6E3
SG	(3-5)B8
SR	(3-5)E8
TL	6F1
TP-	1(B-6)7
T3A	(3-5)D9
T3S	(3-5)D9
TCA	(3-5)D9
TT	6E2
U	(3-5)B8
R	6F3
RA	3E1
RB	3D1
RLS	3E1
RLDT	3B1
S	6F3
ST	3B1
STB	3A1
T	6F3
TA	3D1
TB	3D1
TRU	2B3

OPTION INDEX

APP OR WIRING	LOCATION
Z	3E6, 3E7, 3F7, 4F7, 4F8, 5F6, 5F7, 5F8, 6F1, 6G1 APP FIG 1
Y	3E6, 3E7, 4F7, 5F7, 6F1, 6G1, APP FIG 1
X	3F7, 4F7, 5F7, APP FIG. 1
W	2E5, 2G5
V	2E5, 2G5, APP FIG. 1
T	CAD 1

DRAWING ISSUE 1

ISSUE 3D

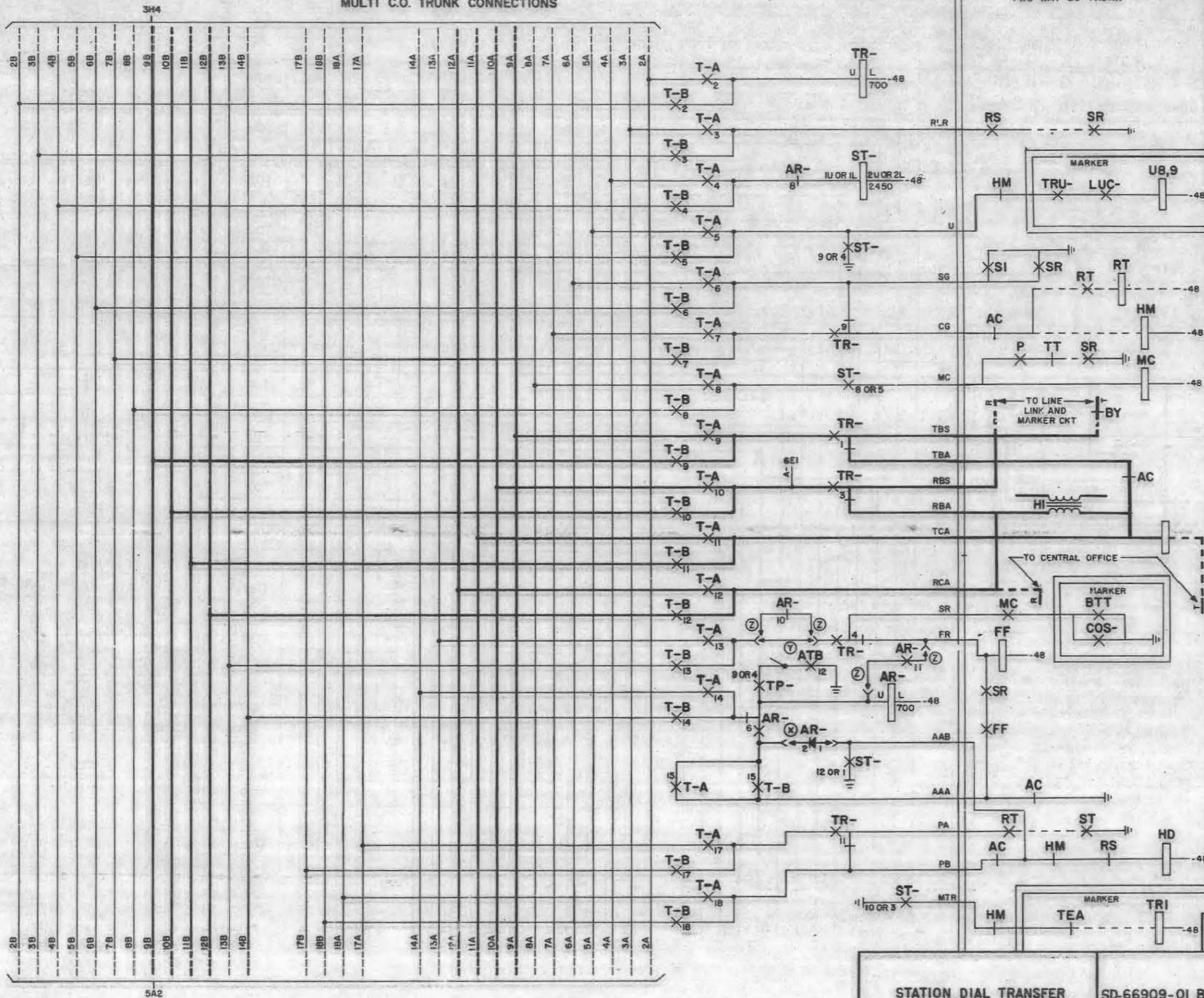
SD-66909-01-A2

STATION DIAL TRANSFER CONTROLLER CIRCUIT	SD-66909-01-A2
BELL TELEPHONE LABORATORIES INCORPORATED	6S

PART OF FS 3
MULTI C.O. TRUNK CONNECTIONS

SHEET NOTES:

- ON ST-, TP- (ODD RELAYS), THE SPRINGS 8, 9, 10, 11, 12, & TERMINALS 1U AND 2U ARE ASSOCIATED WITH ODD NUMBERED CO TRUNK CIRCUITS.
- ON ST-, TP- (EVEN RELAYS), THE SPRINGS 1, 2, 3, 4, 5, & TERMINALS 1L AND 2L ARE ASSOCIATED WITH EVEN NUMBERED CO TRUNK CIRCUITS.
- RELAYS AR-, TR-, T-A, T-B AND LEAD A- ARE ASSOCIATED WITH SIMILARLY NUMBERED CO TRUNK CIRCUITS.



DRAWING ISSUE
1
48

ISSUE
7B

STATION DIAL TRANSFER
CONTROLLER CIRCUIT
BELL TELEPHONE LABORATORIES
INCORPORATED

SD-66909-01 B4

6S

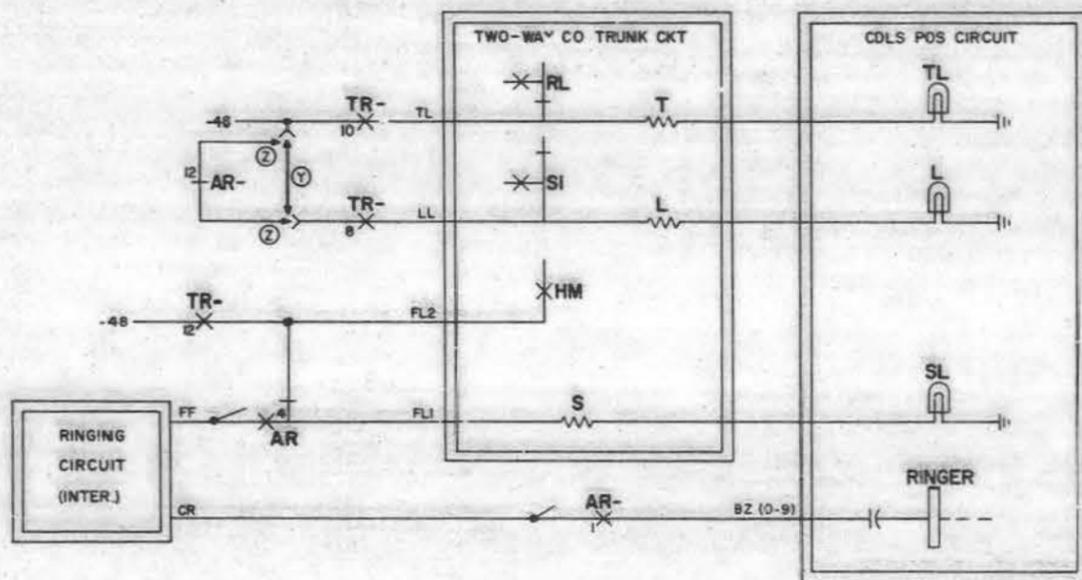
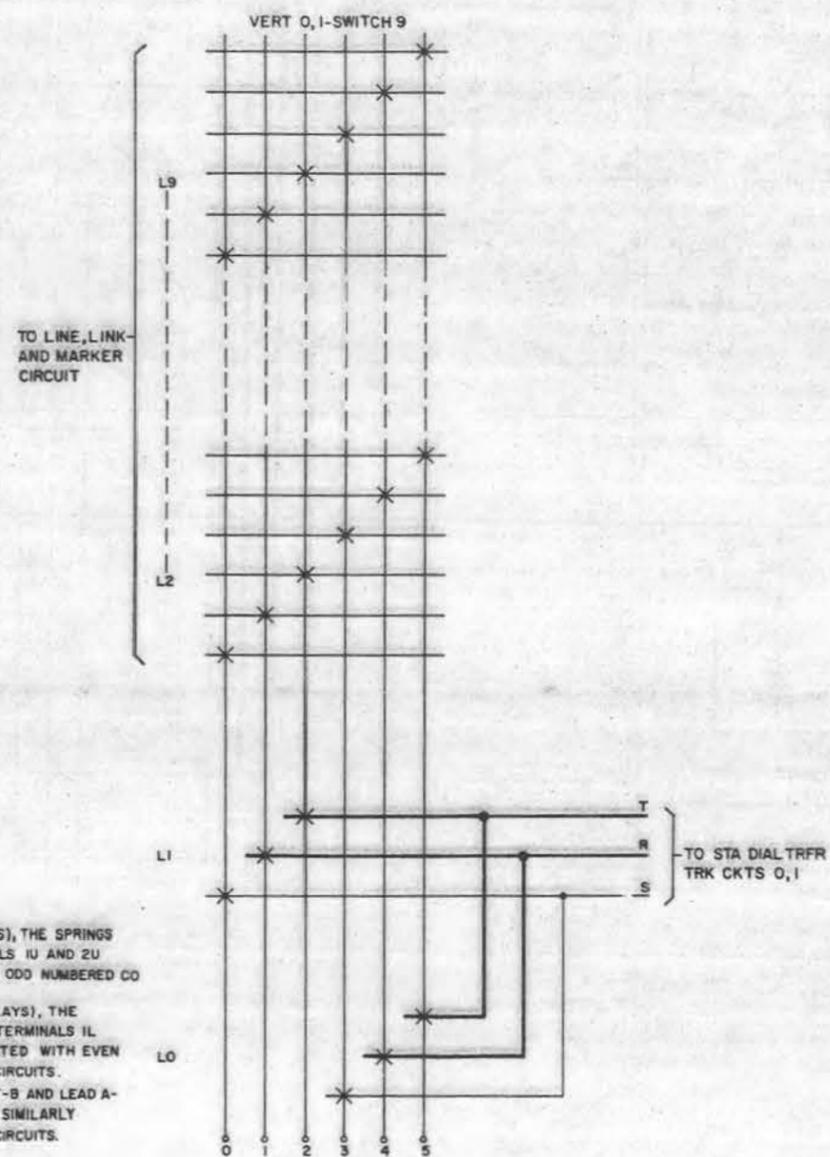
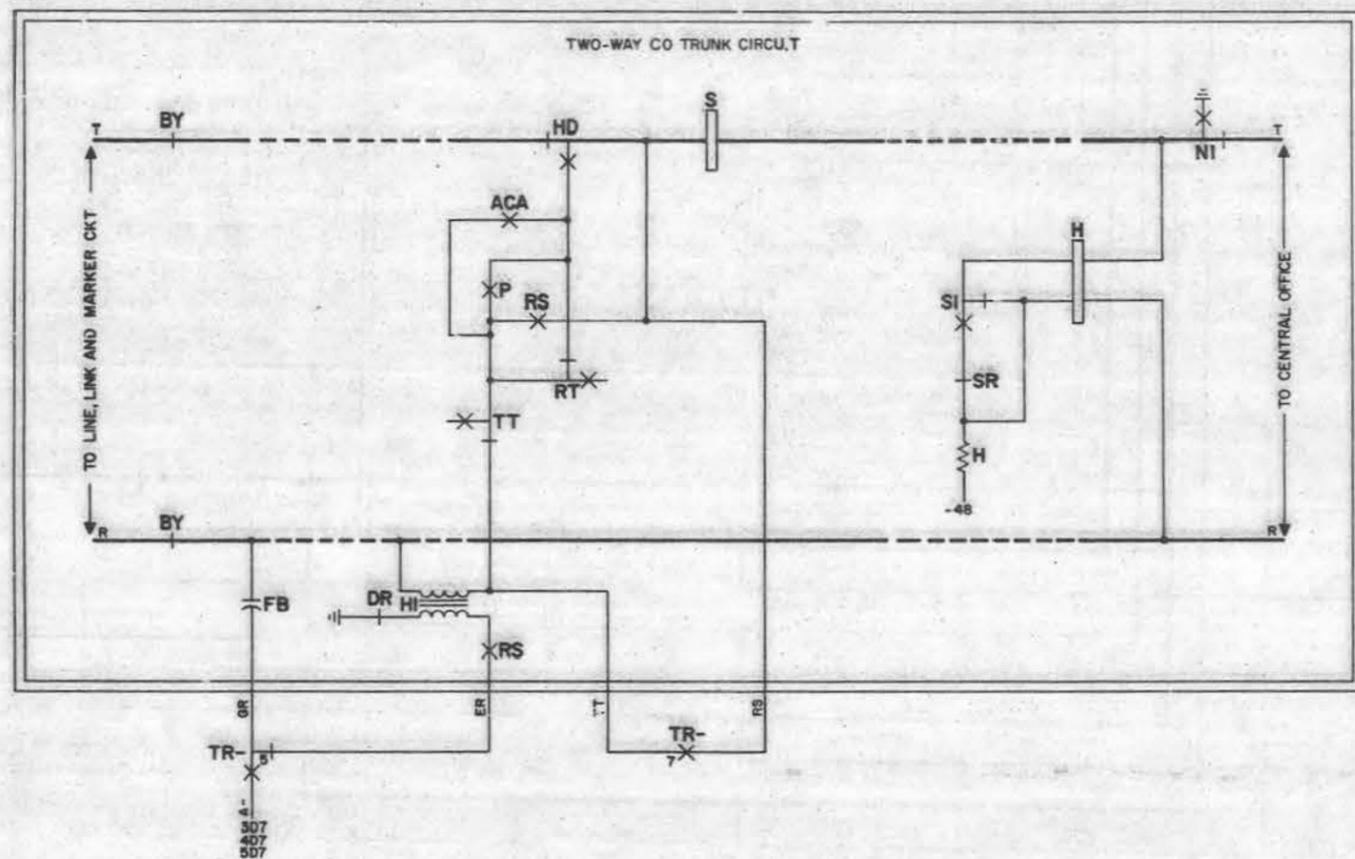
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SD-66909-01 B4

FS 4
LAMP BUZZER AND TONE CONTROL

FS 5
LINK SWITCH CIRCUIT

DRAWING	ISSUE
1	1
48	PMC
	PJS
	L.D.



- SHEET NOTES:
- ON ST-, TP- (ODD RELAYS), THE SPRINGS 8, 9, 10, 11, 12 & TERMINALS 1U AND 2U ARE ASSOCIATED WITH ODD NUMBERED CO TRUNK CIRCUITS.
 - ON ST-, TP- (EVEN RELAYS), THE SPRINGS 1, 2, 3, 4, 5 & TERMINALS 1L AND 2L ARE ASSOCIATED WITH EVEN NUMBERED CO TRUNK CIRCUITS.
 - RELAYS AR-, TR-, T-A, T-B AND LEAD A- ARE ASSOCIATED WITH SIMILARLY NUMBERED CO TRUNK CIRCUITS.

CIRCUIT NOTES:

DESIG	FUSE AMP	POTENTIAL	ONE PER
C	1-1/3	-48	CKT
* SDT	1-1/3	-48	CKT
C		GRD	CKT
* SDT		GRD	CKT
BATTERY SYMBOL		VOLTAGE RANGE	
-48		45-52	

* PRIOR TO ISSUE 6D FUSE SDT WAS FUSE C.

FEATURE OR OPTION	PROVIDE		
	APP FIG.	APP OR WRG	QUANTITY
STATION DIAL TRANSFER CONTROLLER CIRCUIT	1		1 PER PBX

NETWORK VALUES		
NETWORK NO.	RESISTANCE IN OHMS	CAPACITANCE IN UF
1	470	0.11
2	120	0.3

RECORD OF APP FIG. 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	Y,Z	Y		Z		Y
7B	X	X				X
	W OR V	W		V		W
8D	T	-		T		

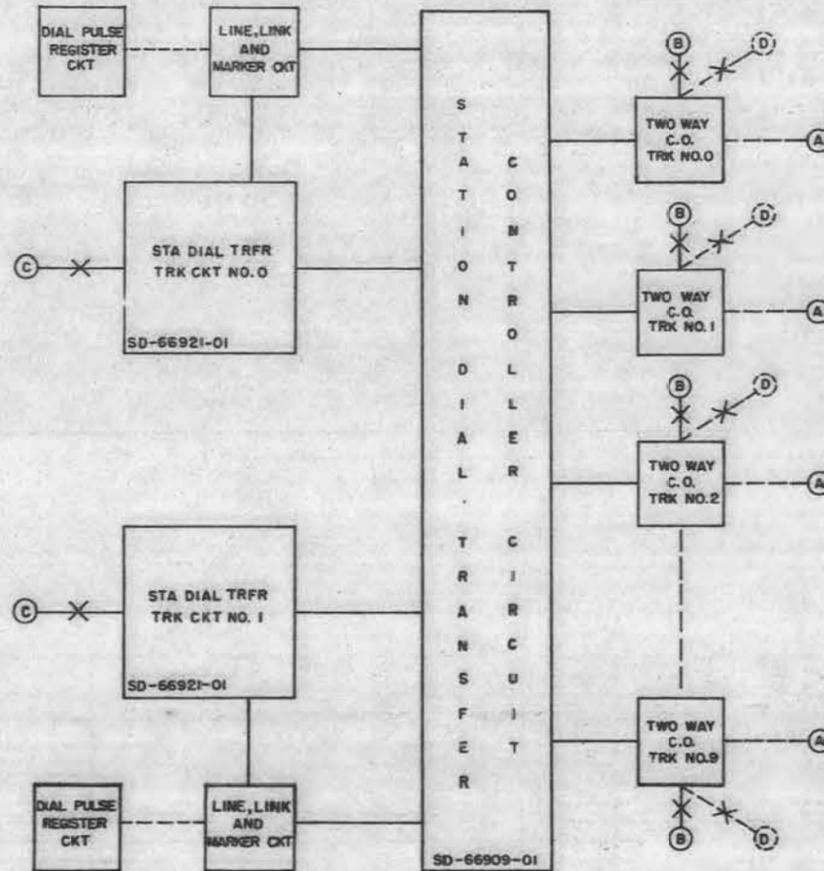
EQUIPMENT NOTES:

201. EQUIPMENT OPTIONS SHALL BE FURNISHED AS FOLLOWS:
 EB- WHEN CONNECTION TO MAKE. BUSY & BUSY DISPLAY CKT IS REQUIRED PER ISSUE 3D.
 EC- WHEN CONNECTION TO TMS REMOTE SCANNER IS REQUIRED PER ISSUE 5D

INFO NOTES:
 301. BLOCK DIAGRAM OF STATION DIAL TRANSFER CIRCUITS:

CHART A

(A): OUTSIDE PARTY (B),(C),(D): PBX STATIONS



302. UNLESS OTHERWISE SPECIFIED:
 RESISTANCE VALUES ARE IN OHMS.
 CAPACITANCE VALUES ARE IN MICROFARADS.
 VALUES PRECEDED BY THE SYMBOL - MINUS ARE IN VOLTS.
 303. PBX STATION CONNECTIONS MARKED X INDICATE CROSSBAR CONNECTIONS.

DRAWING ISSUE	
1	ISSUE
3D	ISSUE
4B	ISSUE
5D	ISSUE

ISSUE 8D

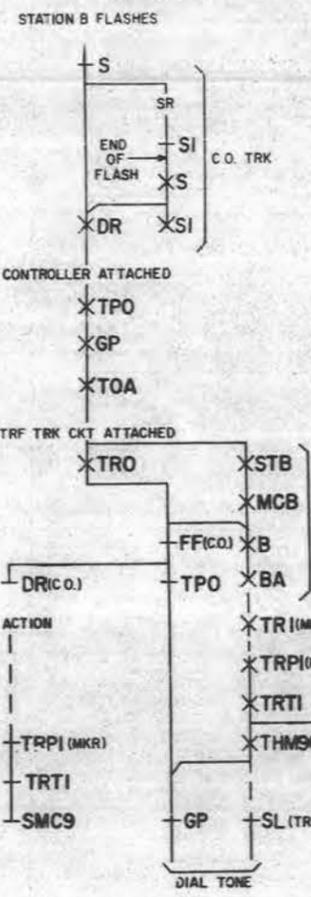
STATION DIAL TRANSFER CONTROLLER CIRCUIT		SD-66909-01-D1
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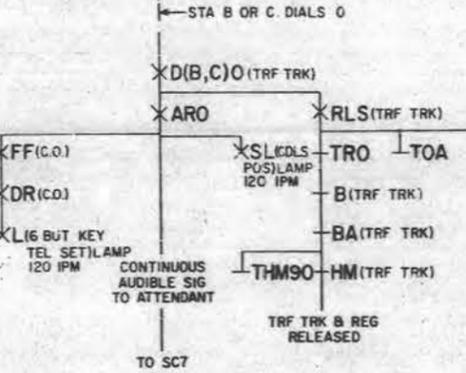
DRAWING ISSUE	
1	PKC
4B	PJS
	LDJ

SHEET NOTES:
 1. SC1 ASSUMES AN ESTABLISHED TALKING CONNECTION BETWEEN PARTY A AND STATION B THROUGH THE C.O. TRK NO. 0, AND THAT TRF TRK CKT NO. 0 IS IDLE.

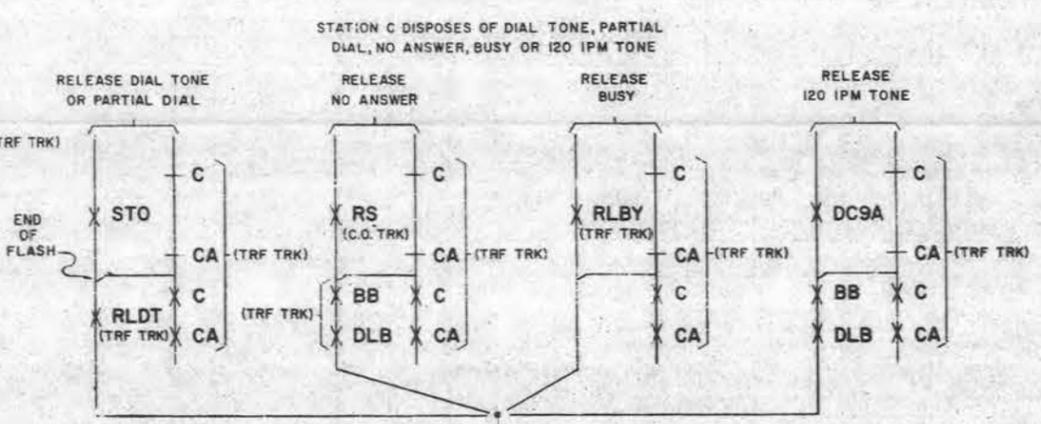
SC 1
 FIRST TRANSFER OF PARTY A
 STATION B AND PARTY A CONNECTED
 (PREVIOUS ACTION SHOWN IN SC1-B
 TWO WAY TRUNK CIRCUIT TO C.O.)
 SEE NOTE 1



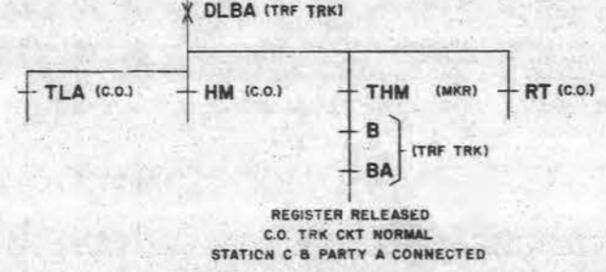
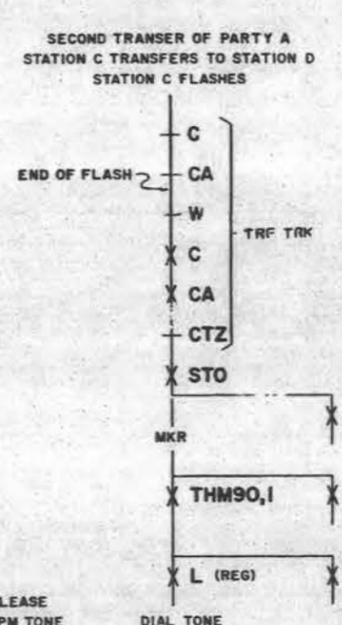
SC 3
 STATION B OR C RECALLS THE ATTENDANT
 STA B OR C DIALS 0



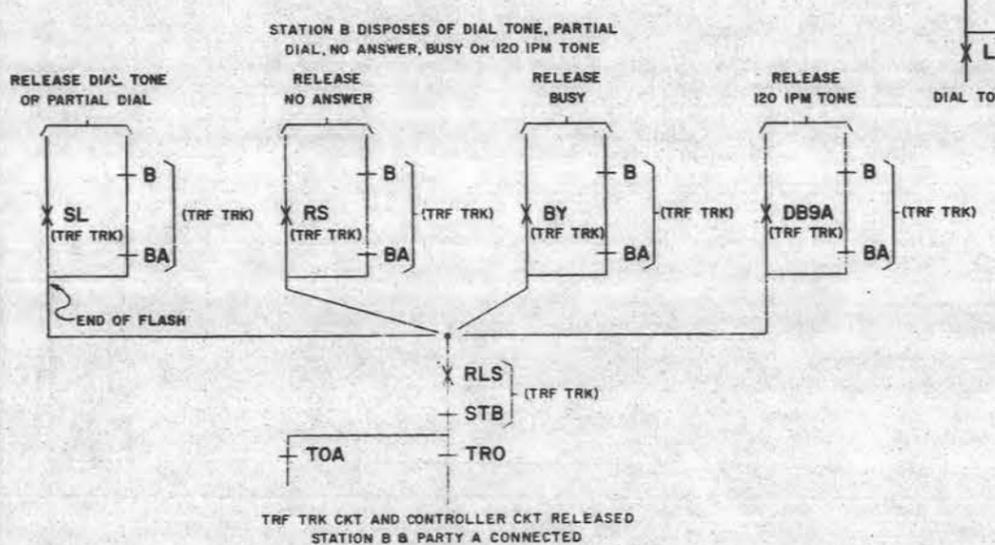
SC 5
 STATION C DISPOSES OF DIAL TONE, PARTIAL DIAL, NO ANSWER, BUSY OR 120 IPM TONE



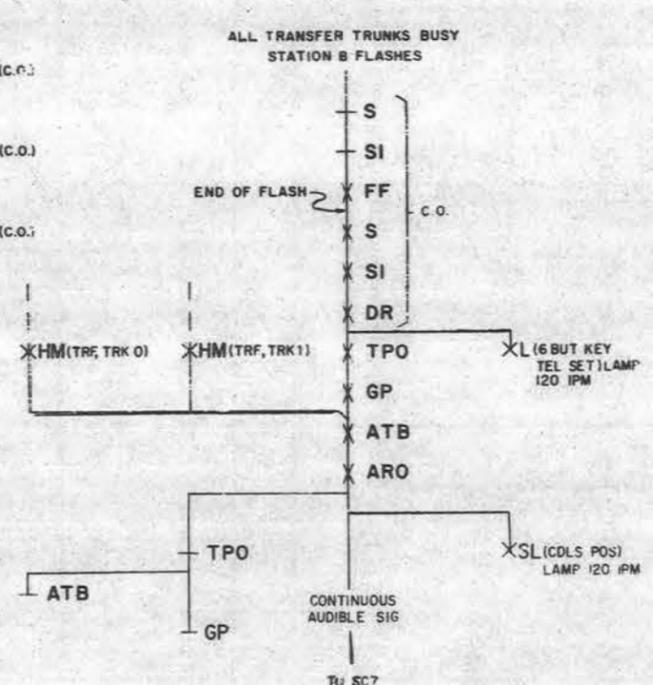
SC 4
 SECOND TRANSFER OF PARTY A
 STATION C TRANSFERS TO STATION D
 STATION C FLASHES



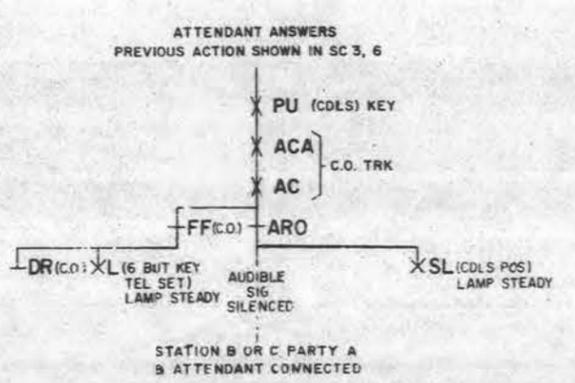
SC 2
 STATION B DISPOSES OF DIAL TONE, PARTIAL DIAL, NO ANSWER, BUSY OR 120 IPM TONE



SC 6
 ALL TRANSFER TRUNKS BUSY
 STATION B FLASHES



SC 7
 ATTENDANT ANSWERS
 PREVIOUS ACTION SHOWN IN SC 3, 6



SD-66909-01-E1

STATION DIAL TRANSFER CONTROLLER CIRCUIT

SD-66909-01-E1

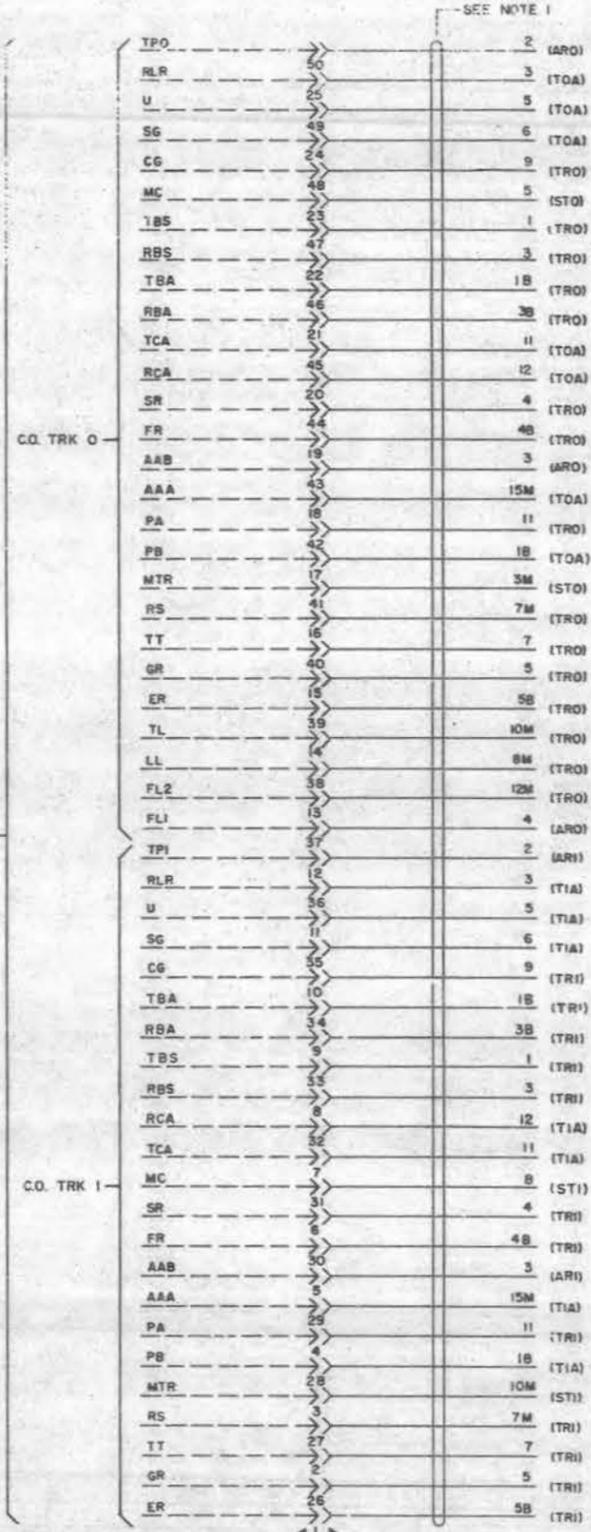
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 INCORPORATED 65

0 1 2 3 4 5 6 7 8 9

PART OF CAD 1

DRAWING	ISSUE
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

A
B
C
D
E
F
G
H



SD-66920-01
CAD 5

SD-66920-01
CAD 5

PLUG ASSY "AA" PLUG 1
PLUG ASSY "A" PLUG 1



SHEET NOTES
1. CABLE (A) PER H-912-

PLUG ASSY "A A", PLUG 2
PLUG ASSY "A", PLUG 2

SD-66909-01-G1

PBX SYSTEMS NO. 756A		SD-66909-01-G1
STATION DIAL TRANSFER CONTROLLER CIRCUIT		
BELL TELEPHONE LABORATORIES INCORPORATED	6S	

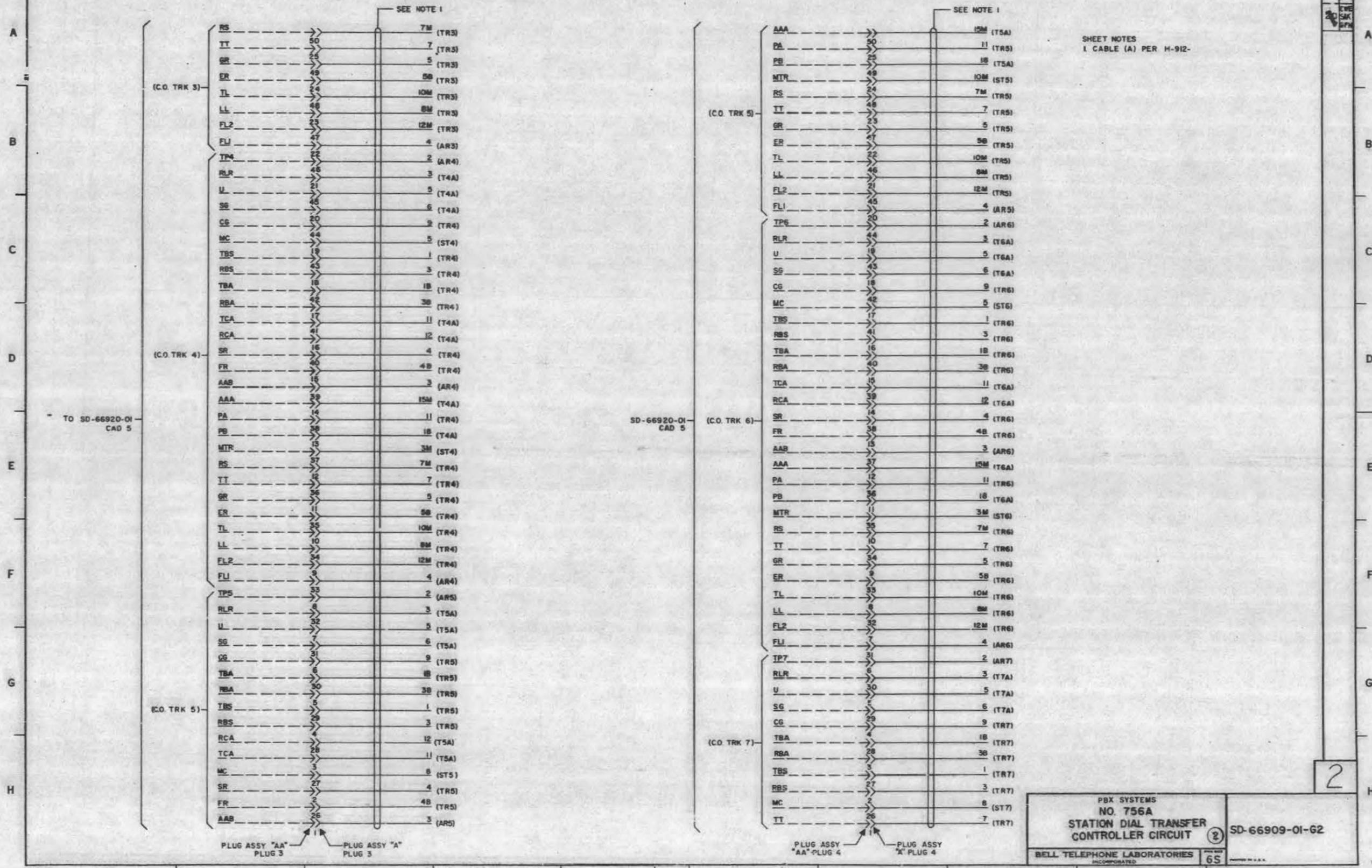
0 1 2 3 4 5 6 7 8 9

2

PART OF CAD 1

DRAWING
ISSUE
1
EWE
20
SAK
RPM

SHEET NOTES
1 CABLE (A) PER H-912-



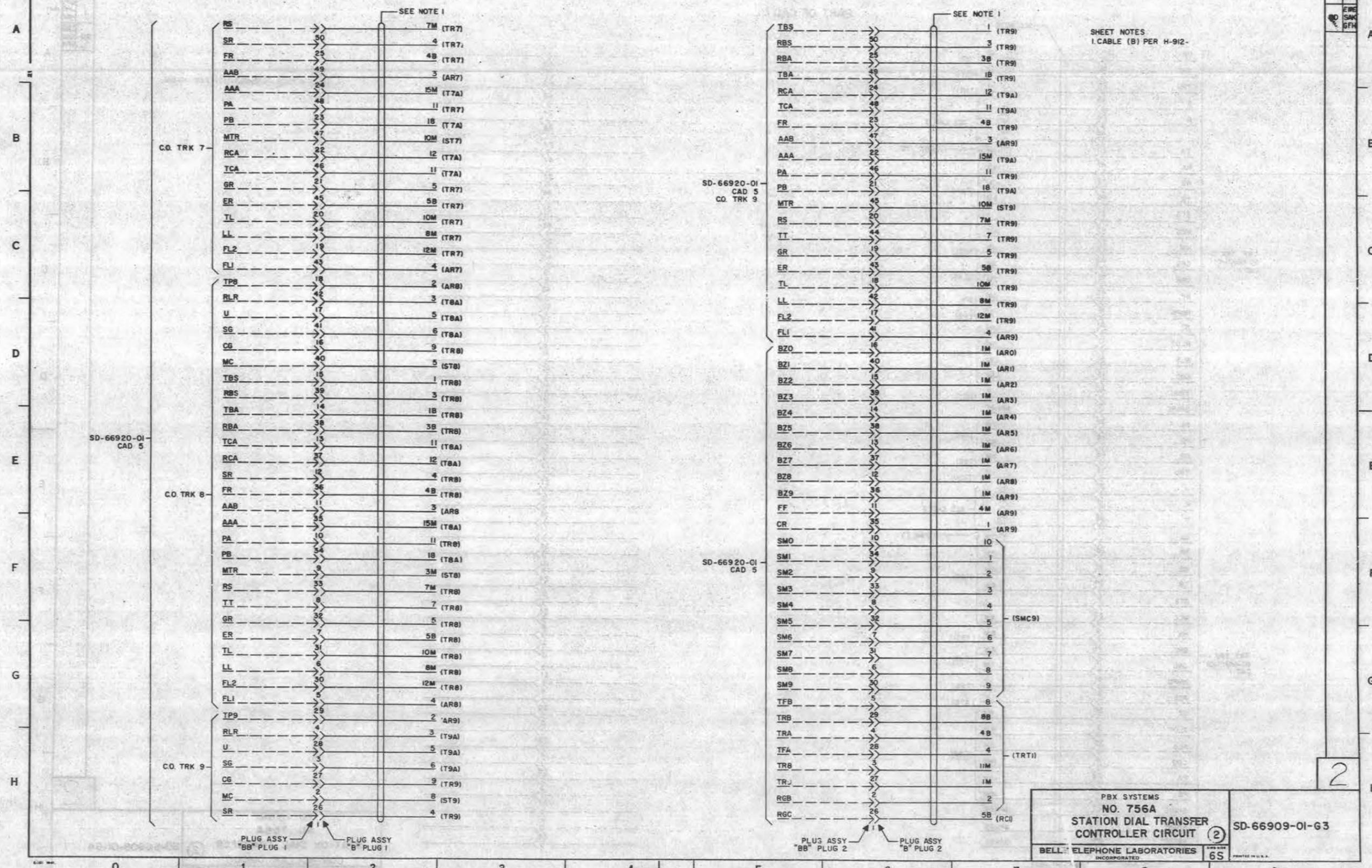
PBX SYSTEMS NO. 756A		SD-66909-01-62
STATION DIAL TRANSFER CONTROLLER CIRCUIT		
BELL TELEPHONE LABORATORIES INCORPORATED		65

2

PART OF CAD 1

DRAWING
ISSUE
1
JFF
100
HW
EWE
SAK
GFH

SHEET NOTES
1. CABLE (B) PER H-912-



SD-66920-01
CAD 5

SD-66920-01
CAD 5
CO. TRK 9

SD-66920-01
CAD 5

PLUG ASSY
"BB" PLUG 1

PLUG ASSY
"B" PLUG 1

PLUG ASSY
"BB" PLUG 2

PLUG ASSY
"B" PLUG 2

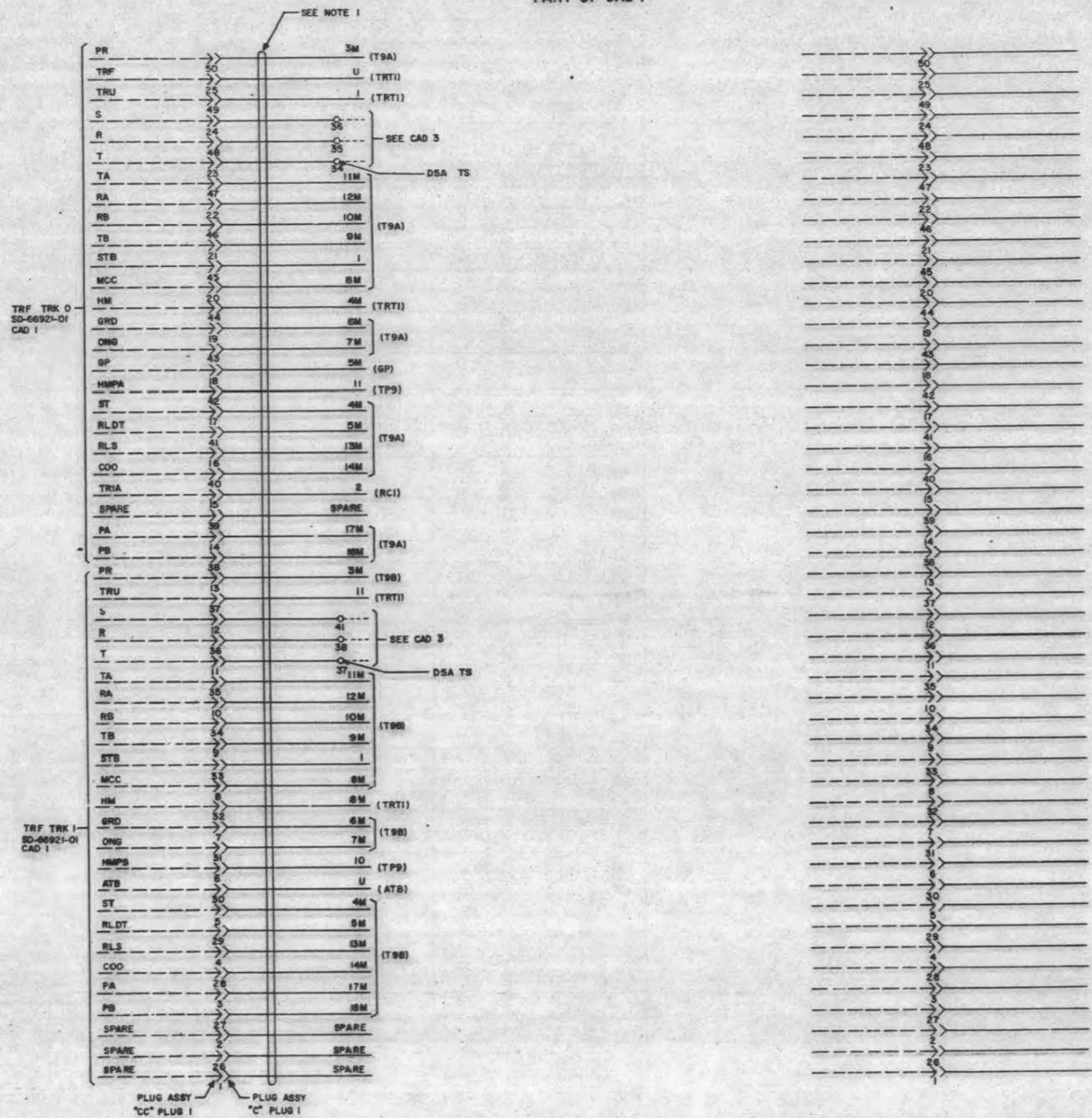
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STATION DIAL TRANSFER CONTROLLER CIRCUIT ②		
BELL TELEPHONE LABORATORIES INCORPORATED	65	PRINTED IN U.S.A.

SD-66909-01-63

2

0 1 2 3 4 5 6 7 8 9

PART OF CAD I



SHEET NOTES:
1. CABLE & PLUG ASSEMBLY (C) PER H-912-

DRAWING	1
ISSUE	1
DATE	
BY	
CHKD	
APPD	

2

PBX SYSTEMS	
NO. 756A	
STATION DIAL TRANSFER	
CONTROLLER CIRCUIT	
BELL TELEPHONE LABORATORIES	
INCORPORATED	
65	SD-66909-01-64

0 1 2 3 4 5 6 7 8 9

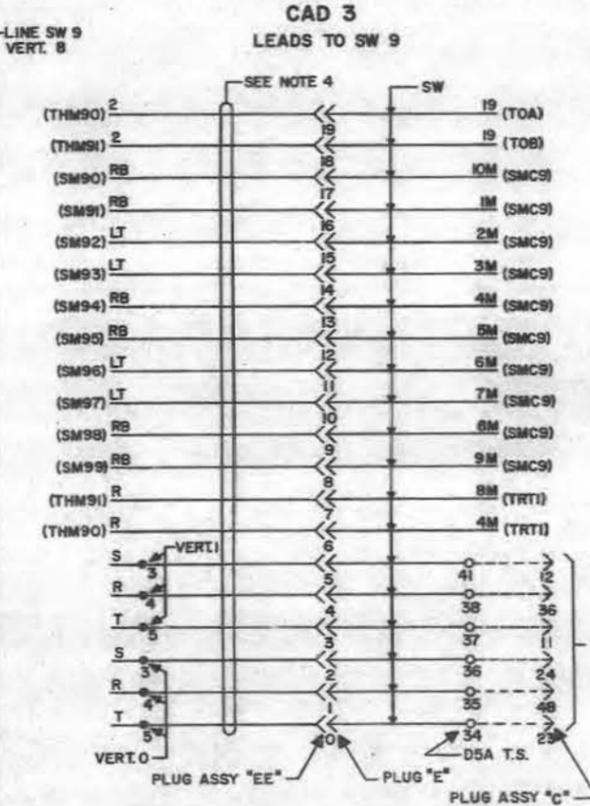
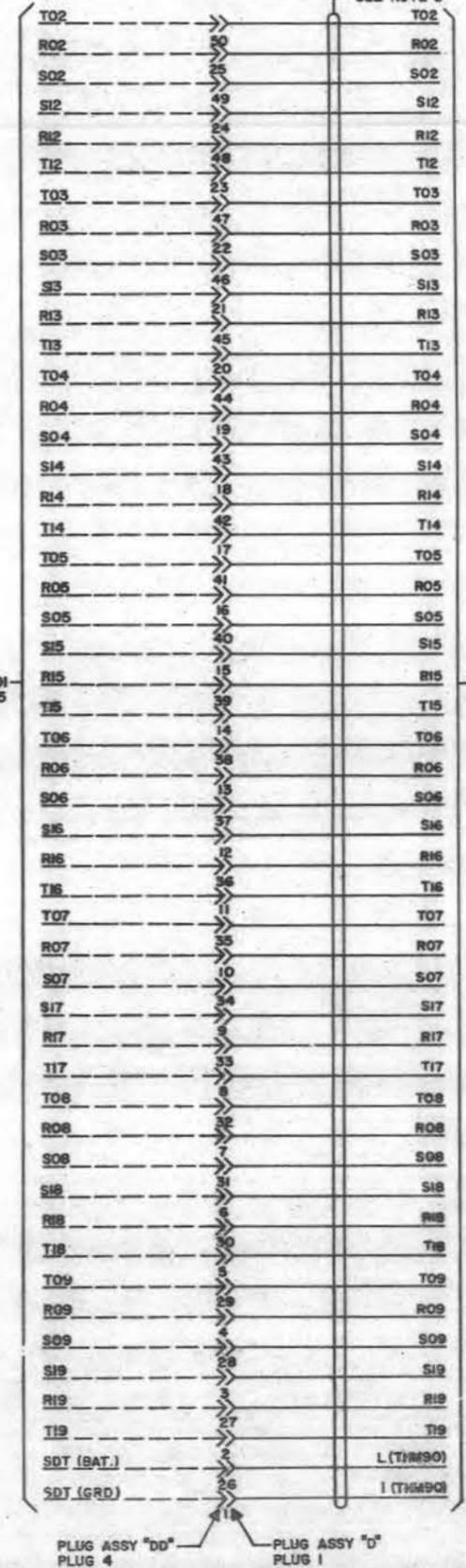
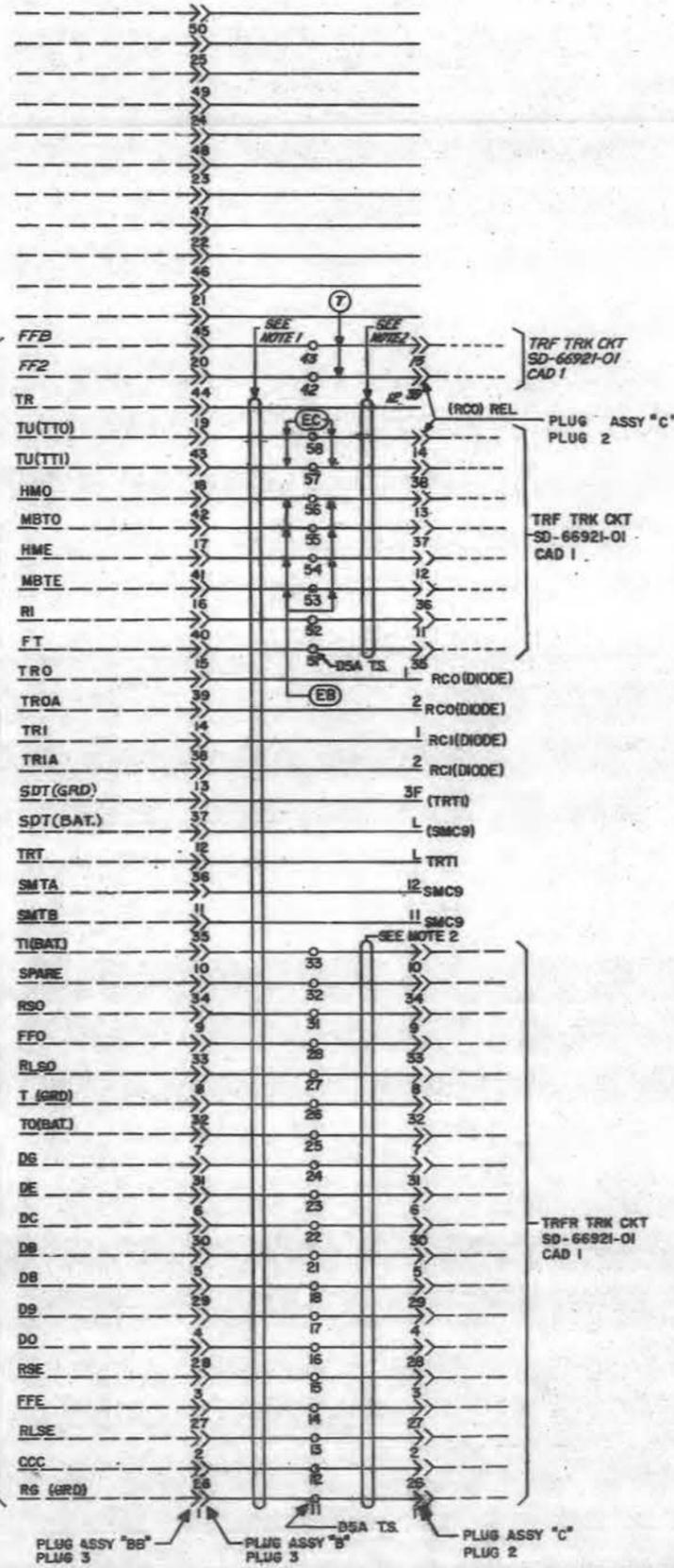
PART OF CAD 1

CAD 2
PARALLEL LINK CONNECTIONS
BETWEEN SW 0 AND SW 9

SHEET NOTES
1. CABLE AND PLUG ASSY (B) PER H-912-
2. CABLE AND PLUG ASSY (C) PER H-912-
3. CABLE AND PLUG ASSY (D) PER H-912-
4. CABLE AND PLUG ASSY (E) PER H-912-

A
B
C
D
E
F
G
H

DRAWING
ISSUE
1
SD
50



SD-66909-01-05

STATION DIAL TRANSFER
CONTROLLER CIRCUIT
SD-66909-01-05
WELL TELEPHONE LABORATORIES
INCORPORATED
65
ISSUE
8D