

SHEET INDEX

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LEAD INDEX

DESIG	FS LOC
TO LINE, LINK AND MARKER CKT (LINE CKT FOR STA LINES OR TRKS) TERM. 80 OR 85	
R2	28C
S2	280
T2	2AC

DESIG	FS LOC
TO LINE, LINK AND MARKER CKT (LINE CKT FOR STA LINES OR TRKS) TERM. 81 OR 80	
R2	2CC
S2	2CC
T2	28C

DESIG	FS LOC
TO LINE, LINK AND MARKER CKT (LINE CKT FOR STA LINES OR TRKS) TERM. 82 OR 87	
R2	2DC
S2	2DC
T2	2D0

DESIG	FS LOC
TO LINE, LINK AND MARKER CKT (LINE CKT FOR STA LINES OR TRKS) TERM. 83 OR 86	
R2	2B6
S2	2D6
T2	2A6

DESIG	FS LOC
TO LINE, LINK AND MARKER CKT (LINE CKT FOR STA LINES OR TRKS) TERM. 84 OR 89	
R2	2D6
S2	2D6
T2	2C6

OPTION INDEX

APP OR WRG	LOCATION
Z	2A3, 2B8, 2C8
Y	2A3
X	2A5, 2B4, 2B5, 2C5, 2D6, 2E4,
W	2A5, 2B4, 2B5, 2C4, 2C6, 2D5, 2E4, 2E5

CIRCUIT NOTES:

DESIG	FUSE AMP	POTENTIAL	ONE PER	TERM. DESIG
T80 OR T85	1-1/3	48V	CIRCUIT	
BATTERY SYMBOL		VOLTAGE RANGE		
-48		45-52V		

FEATURE OR OPTION	PROVIDE		
	FIG.	APP OR WRG	QUANTITY
DIAL CONFERENCE CIRCUIT	1		1 PER CKT

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

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
4D	Y OR Z	Z		Y		Z
5AC	W OR X	X	105	W		X

105. WHEN ISSUE 16B LINE LINK AND MARKER CIRCUIT SD-66741-01 WITH YC OPTION IS PROVIDED, W OPTION MUST BE PROVIDED WITH THIS CIRCUIT.

SUPPORTING INFORMATION

CATEGORY	NO.
756A PBX CABLING DIAGRAM	SD-65746-01
EQUIPMENT DRAWING	ED-65871-01
EQUIPMENT INFO	J58829S-( )

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

MAX ALLOWABLE CKT LOSS (db)		
MEASURE FROM	TERMINATE TO WITH 600Ω	LOSS (db)
A	D, C & E	9
A	E, B, C & E	9
B	D, A, C & E	9
B	E, A, C & E	9
C	D, A, B & E	9
C	E, A, B & E	9

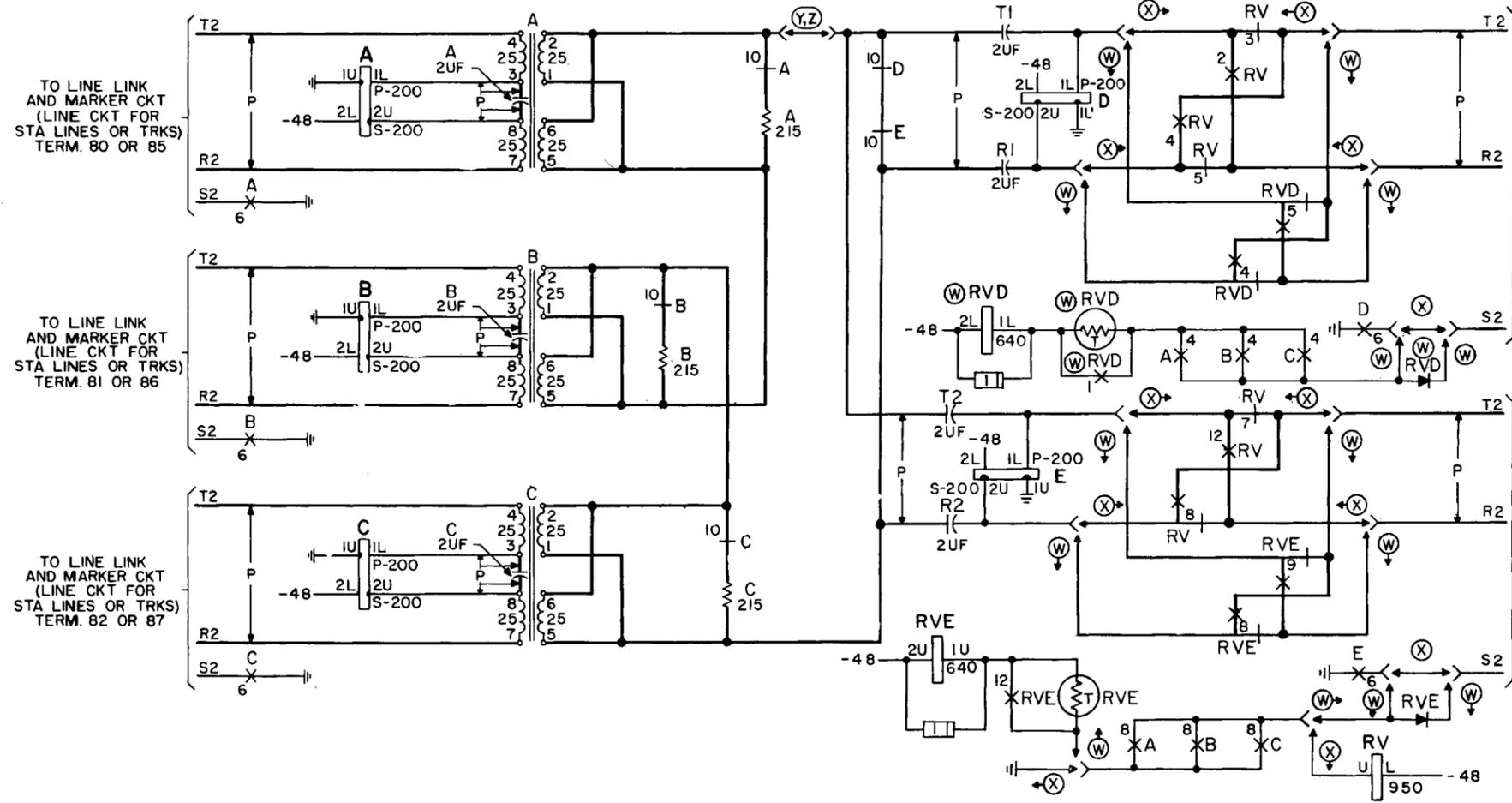
ALLOWABLE INDIVIDUAL APPARATUS LOSSES (db)					
APPARATUS	DESIG	CODE	MAX LOSS	MIN LOSS	REMARKS
CAPACITOR	A, B, C, T1, T2, R1, R2	2UF	13.7	11.7	
RELAY	D, E	AJ24	0.2		
REP COIL	A, B, C	202A	3.5	2.3	WINDINGS 2, 1 & 6, 5 IN PARALLEL

\* INDICATES APPARATUS FOR WHICH IND LOSSES ARE NOT REQD

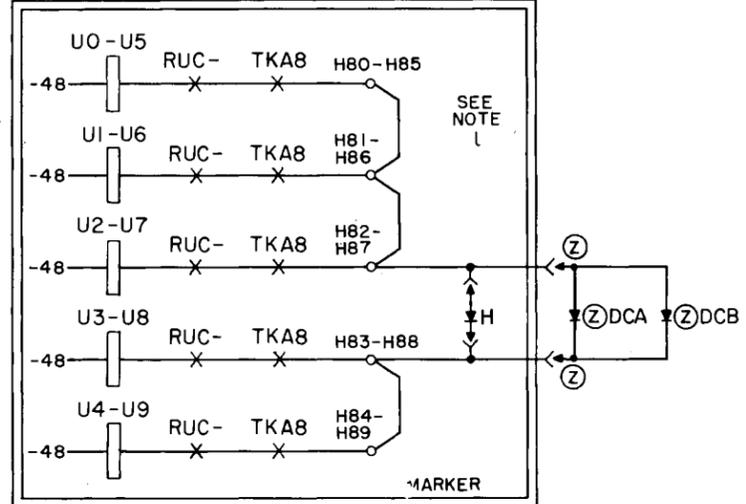
DWG ISSUE	CD ISSUE	DATE ISSUED	DRWN	APP'D
1	1	4-30-56	R.S. WRP	R.A.P. H.H.A.
2D	2D	3-15-59	J.F. M.S.	J.F. M.S.
3D	3D	8-5-59	J.F. M.S.	J.F. M.S.
4D	4D	5-12-60	J.F. M.S.	J.F. M.S.
5AC	5AC	3-7-63	R.A.P. H.H.A.	R.A.P. H.H.A.
6D	5AC APP ID	12-28-67	ROZ RRS	LAH ARR/RHP

SD-65745-01	2J07	A & M ONLY	6
PBX SYSTEMS NO. 756A DIAL CONFERENCE CIRCUIT ARRANGED FOR A MAXIMUM OF 5 SIMULTANEOUS CONNECTIONS (2)			
BELL TELEPHONE LABORATORIES INCORPORATED		SD-65745-01-1 3 SHEETS	

### FS 1 DIAL CONFERENCE CKT



### FS 2 MARKER STRAPPING



TO LINE LINK AND MARKER CKT (LINE CKT FOR STA LINES OR TRKS, TERM. 83 OR 88)

TO LINE LINK AND MARKER CKT (LINE CKT FOR STA LINES OR TRKS) TERM. 84 OR 89

- SHEET NOTES:
1. ASSIGN DIAL CONFERENCE CKT TO TERM. 80,81,82, 83 AND 84 OR TO TERM. 85,86,87,88 AND 89.
  2. TERMS. 80,81 AND 82 OR 85,86 AND 87 ARE FOR USE BY STATION LINES AND TERMS. 83 AND 84 OR 88 AND 89 ARE FOR USE BY STATION LINES OR TRUNKS.
  3. TO REDUCE THE POSSIBILITY OF NOISE PICKUP IN THIS CIRCUIT, FROM THE RECTIFIER, THIS CIRCUIT SHOULD BE MOUNTED IN SLIDE 2 PLATES AB OR AA, OR IN SLIDE 3 PLATE AB.

APP FIG. 1

DESIG	A	B	C	D	E	RV	RVE	RVD	DESIG
CODE	AJ26	AJ26	AJ26	AJ24	AJ24	AF 120	AK 30		CODE
OPTION						X	W		OPTION
12						EM	M 2E4		12
11						EBM	EBM		11
10	B 2A3	B 2B2	B 2D3	B 2A3	B 2B3	EBM	EBM		10
9						EBM 2D4	EMB 2D5		9
8	M 2E4	M 2E5	M 2E5			B 2C5			8
7						EBM			7
6	BM 2B1	BM 2C1	BM 2D1	M 2C5	M 2D5	B 2B5	EMB 2B5		6
5						PM 2B5	EMB 2C5		5
4	M 2C4	M 2C5	M 2C5			B 2A5	EBM		4
3						EM 2A5	EBM		3
2									2
1								M 2C4	1
COIL	2A1	2C1	2D1	2A4	2C4	2E5	2D3	2C4	COIL

CAPACITOR

DESIG	LOC	CODE
A	2B2	439A
B	2C2	439A
C	2D2	439A
R1	2B4	437E
R2	2D4	437E
T1	2A4	437E
T2	2B4	437E

DIODE

DESIG	LOC	CODE
W RVD	2C6	420G
W RVE	2E6	420G

NETWORK

DESIG	LOC	CODE
W RVD	2C4	185A
W RVE	2D3	185A

RESISTOR

DESIG	LOC	CODE
A	2B3	106A,215
B	2C2	106A,215
C	2D3	106A,215

THERMISTOR

DESIG	LOC	CODE
W RVD	2C4	8A
W RVE	2E4	8A

TRANSFORMER

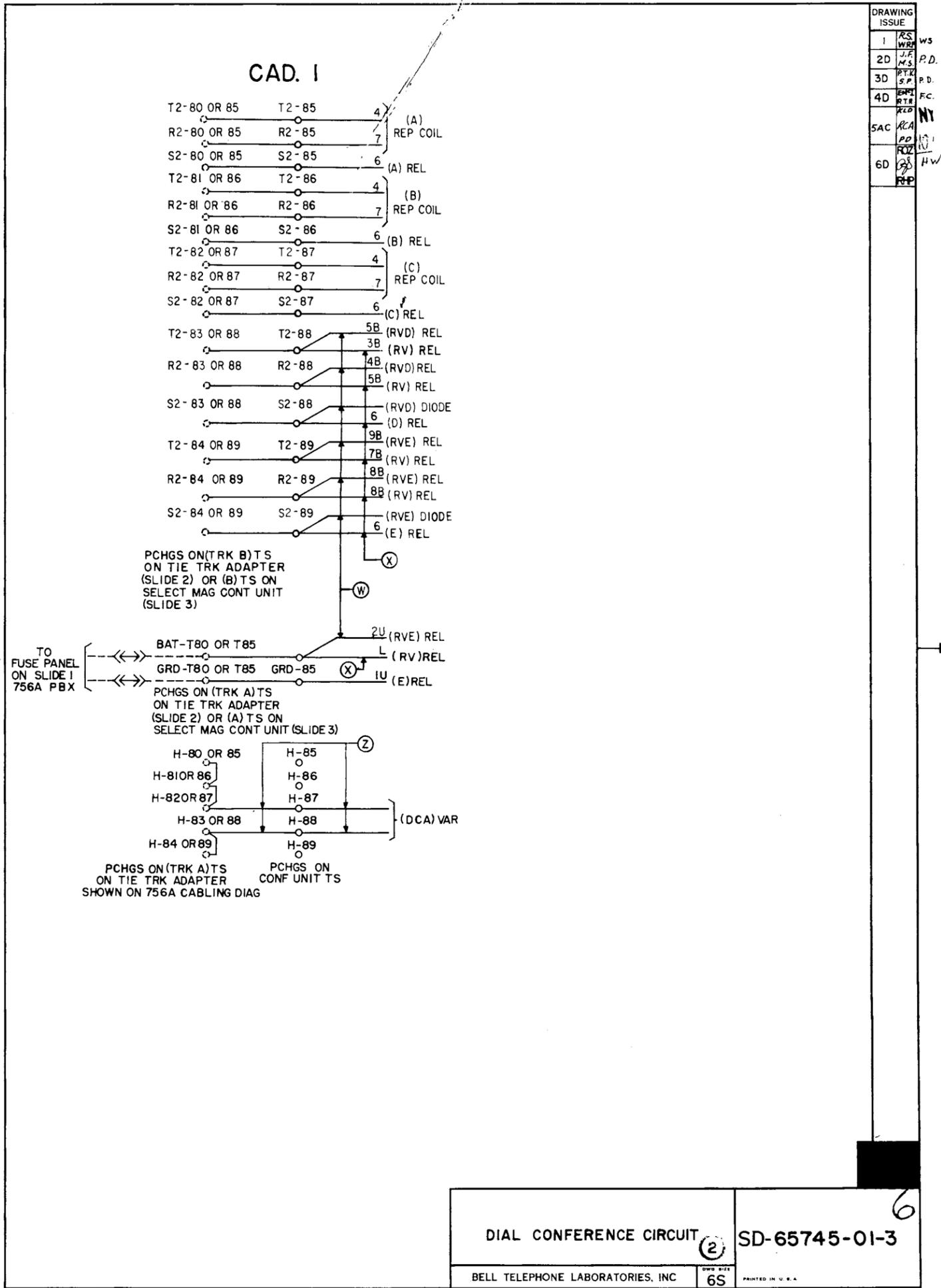
DESIG	LOC	CODE
A	2B2	202A REP COIL
B	2C2	202A REP COIL
C	2D2	202A REP COIL

VARIATOR

DESIG	LOC	CODE
Z DCA	2C8	KS-15724, L2
Z DCB	2C9	KS-15724, L2

CIRCUIT REQUIREMENTS															DRAWING		
NO 756A DIAL CONFERENCE CIRCUIT (DIAL CONF)															ISSUE		
APPARATUS				MECH REQ				CIRCUIT PREPARATION				DIRECT CURRENT FLOW REQ			REMARKS	1 RS WRP WS	
DESIG	CODE	OPTION	FIG	BSP FIG	CONT PRESS	ARM TRVL	BLOCK OR INSULATE	TEST CLIP DATA		TEST SET PREP	SEE TEST NOTE	TEST WDG	TEST FOR	AFTER SOAK			TEST
RELAYS								CONN BAT	CONN GRD					MA	MA	MA	3D P.T.K. S.P. P.D.
A,B,C	AJ26		I	55B				IL REL	2U REL	M	1,2	P/S	O		16.5	15.5	4D E.M.P. R.T.R. K.L.D. F.C.
D,E	AJ24		I	52B				IL REL	2U REL	M		P/S	O	31	20	19	5A P.D.
														31	8.8	9.3	6D R.O.Z. P.P. H.W.
RV	AF120	X	I	406				U (RV)	GRD				O		20.5	19.5	
RVD	1/2AK30	W	I	202			(D) NO	U (RV)	GRD			NO			13.8	14.5	MOUNT WITH (RVE)
RVE	1/2AK30	W	I	202			(E) NO	IU (RVE)	GRD			O			23.5	22	MOUNT WITH (RVD)

TEST NOTES:  
 1. ARMATURE BACK TENSION MINIMUM 20 GRAMS READJUST, 15 GRAMS TEST.  
 2. ADJUSTED ON LIGHT CONTACT PRESSURE.



SD-65745-01-3

DIAL CONFERENCE CIRCUIT SD-65745-01-3

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