


:

DWG ISSUE	CD ISSUE	DATE ISSUED	DRAWN	APP'D
1	1	8-27-62	JLP L.G.K.	GMS EVAL F.C.
2A	1 APP 1A	5-27-63	<sup>ST/EL</sup> JITS	GMS EVAL FC
3B	2B	5-27-63	<sup>ST/EL</sup> JITS	GMS EVAL FC



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.

CELLVIA PAPER, INC.—D-187

CIRCUIT NOTES:

DESIG	FUSE AMP	POTENTIAL	ONE PER
A	1 1/3	-48V TALK	CKT
B	1 1/3	-48V SIG	FIRST CKT OF IND LAMP GROUP
AC	1 1/3	6V AC SUPPLY	CKT
BATTERY SYMBOL		VOLTAGE RANGE	
-48		44-52V	

FEATURE OR OPTION		FIG.	APP OR WRG	QUANTITY
WITH INTERNALLY PROVIDED TRANSMISSION PAD AND PAD CONTROL	ARRANGED FOR DX SIG AND SIMPLEXED OVER THE 4-WIRE LOOP OR WHEN CARRIER, CX, SX OR SF SIG IN DISTANT OFF. SEE NOTE 108 & 303.	1, 2, 3	Z	1 PER CKT
	ARRANGED FOR E&M LEAD SIGNALING		Y	
	ARRANGED FOR DX SIG AND SIMPLEXED OVER THE 4-WIRE LOOP OR WHEN CARRIER, CX, SX, OR SF SIG LOCATED IN DISTANT OFF. SEE NOTES 108 & 303.	1, 3	Z, ZB	1 PER CKT
	CONN TO 4-WIRE TERM. SET AND PAD CONTROL CKT	NO	Z	
WITHOUT INTERNALLY PROVIDED TRANSMISSION PAD AND PAD CONTROL	ARRANGED FOR E&M LEAD SIGNALING	YES	Y, ZB	
		NO	Y	
	SWBD APPLIQUE CKT	A	A	1 PER CKT
	A (INC) & B (PAD-IN) JACK & LAMP CKT	7		AS REQD
552A, 552D, 556A, OR 605A SWBD	C (PAD-OUT) JACK CKT	4		AS REQD
	NO. OF BUSY LAMPS IN PARTIAL GROUP (FIG. 7) ASSOCIATED WITH BL1 LEAD OF FIG. A. SEE NOTE 107.	1	R	
		2	R, N	
		3	Q	
		4	R, Q	
		5	R, Q, M	
		6	M	
		7	N, M	
		8	R, N, M	
		9	Q, M	
607A SWBD	LAST BUSY LAMP IN GRP	10	Q, N, M	
	SWBD APPLIQUE CKT	B, D		1 PER CKT
	A (INC) & B (PAD-IN) JACK & LAMP CKT	9		AS REQD
	C (PAD-OUT) JACK CKT	5		AS REQD
	BUSY LAMP	10	E	MAX 30
608A SWBD	IDLE INDICATING LAMP	10	F	MAX 30
	SWBD APPLIQUE CKT	A	B	1 PER CKT
	A (INC) & B (PAD-IN) JACK & LAMP CKT	8		AS REQD
	C (PAD-OUT) JACK CKT	6		AS REQD
	WHERE PULSE REPEATING REQUIREMENTS ARE NOT USED. SEE NOTE 302.		T	
WHEN INCOMING CALLS ARE TO BE DIRECTLY ROUTED TO THE SWBD ATTENDANT			S	
	USED WITH 711A, 711B OR 740E PBX WITHOUT ATTENDANT SWBD	C		1 PER CKT
	WHEN TRUNK LAMP IS USED		U	AS REQD

CIRCUIT NOTES: (CONT)

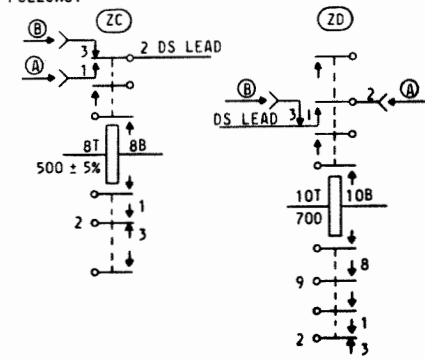
FEATURE OR OPTION	PROVIDE		
	FIG.	APP OR WRG	QUANTITY

NETWORK VALUES			
NO.	CODE	RESISTANCE IN OHMS	CAPACITANCE IN UF
1	177E	160	0.5
2	185A	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
3B						X
3B	ZC, ZD	ZC	110	ZD		ZC

CIRCUIT NOTES: (CONT)

105. THERE SHALL BE A MAXIMUM OF SIX (LINE) LAMPS.
106. THE VOLTAGE ACROSS THE TERMINALS OF THE (G2) LAMP AT THE END OF THE MULTIPLE FARTHEST FROM THE AC SUPPLY SHALL BE 4.5-5V.
107. CONNECT FULL GROUPS OF 10 BUSY LAMPS TO LEAD BL AND ONE GROUP OF 10 OR LESS LAMPS TO BL1.
108. WHEN ARRANGED FOR DX SIGNALING:
- A. STRAP (NA), (NB), AND (NC) RESISTORS SO THAT THEIR SUM IS EQUAL TO ONE-HALF THE LOOP RESISTANCE OF ONE OF THE CABLE PAIRS OF THAT SIMPLEX CIRCUIT PLUS 1250 ± 125 OHMS. (TRANSMIT AND RECEIVE CABLE CONDUCTOR RESISTANCE SHOULD NOT DIFFER BY MORE THAN 5%).
- B. PROVIDE V AND W OPTIONS AS REQUIRED TO PREVENT (R) RELAY FROM FOLLOWING DIAL PULSES ON OUTGOING CALLS.
109. WHEN ARRANGED FOR DX SIGNALING AND A AND B LEADS ARE SIMPLEXED OVER THE 4-WIRE LOOP, E AND B1 LEADS SHOULD NOT BE INTERCONNECTED. WHEN ARRANGED FOR E AND M LEAD SIGNALING, A AND B LEADS SHOULD NOT BE INTERCONNECTED.
110. THE DIFFERENCE BETWEEN THE (DS) RELAYS, FIG. A, IS AS FOLLOWS:



EQUIPMENT NOTES:

201. WHEN ARRANGED FOR DX SIGNALING:
- A. STRAP (NA), (NB), AND (NC) RESISTORS SO THAT THEIR SUM IS EQUAL TO ONE-HALF THE LOOP RESISTANCE OF ONE OF THE CABLE PAIRS OF THAT SIMPLEX CIRCUIT PLUS 1250 ± 125 OHMS. (TRANSMIT AND RECEIVE CABLE CONDUCTOR RESISTANCE SHOULD NOT DIFFER BY MORE THAN 5%).
- B. PROVIDE V AND W OPTIONS AS REQUIRED TO PREVENT (R) RELAY FROM FOLLOWING DIAL PULSES ON OUTGOING CALLS.

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED: RESISTANCE VALUES ARE IN OHMS, CAPACITANCE VALUES ARE IN MICROFARADS, VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS) ARE IN VOLTS.
302. WHERE PULSE REPEATING REQUIREMENTS ARE USED (E.G. FOR TANDEM DIALING), STRAP (B) AND (C) RESISTORS AS REQUIRED TO MEET BOTH CURRENT FLOW AND PERCENT BREAK LIMITS AT 12 PPS.
303. WHEN THIS CIRCUIT IS USED WITH SD-95487-01 OR SD-95488-01 AT THE FAR END, SD-95487-01 MUST BE ISSUE 5B OR LATER, AND SD-95488-01 MUST BE ISSUE 6B OR LATER.

CROSS CONNECTION NOTES:

401. CONNECT FULL GROUPS OF 10 BUSY LAMPS TO LEAD BL AND ONE GROUP OF 10 OR LESS LAMPS TO BL1.

FIGURES AND OPTIONS ON THIS DWG			
CKT FIG.	APP OR WRG	WIRING	
1	A	Z	ZA
2	B	Y	ZB
3	C	X	ZC
4	D	W	ZD
5		V	
6		U	
7		T	
8		S	
9		R	
10		Q	
		N	
		M	
		L	
		K	
		J	
		I	
		H	
		G	
		F	
		E	
		D	
		C	
		B	
		A	

WORKING LIMITS		
MAX. COND LOOP RES	STA PULSING AND SUPV	TRX PULSING AND SUPV
MIN INS RES	1500	5000
	15,000	30,000

PBX SYSTEMS  
552A, 552D, 556A, 605A, 607A, 608A  
701A, 701C, 711A, 711B, OR 740E  
THE TRUNK CIRCUIT

BELL TELEPHONE LABORATORIES INCORPORATED

SD-66799-0101

2S

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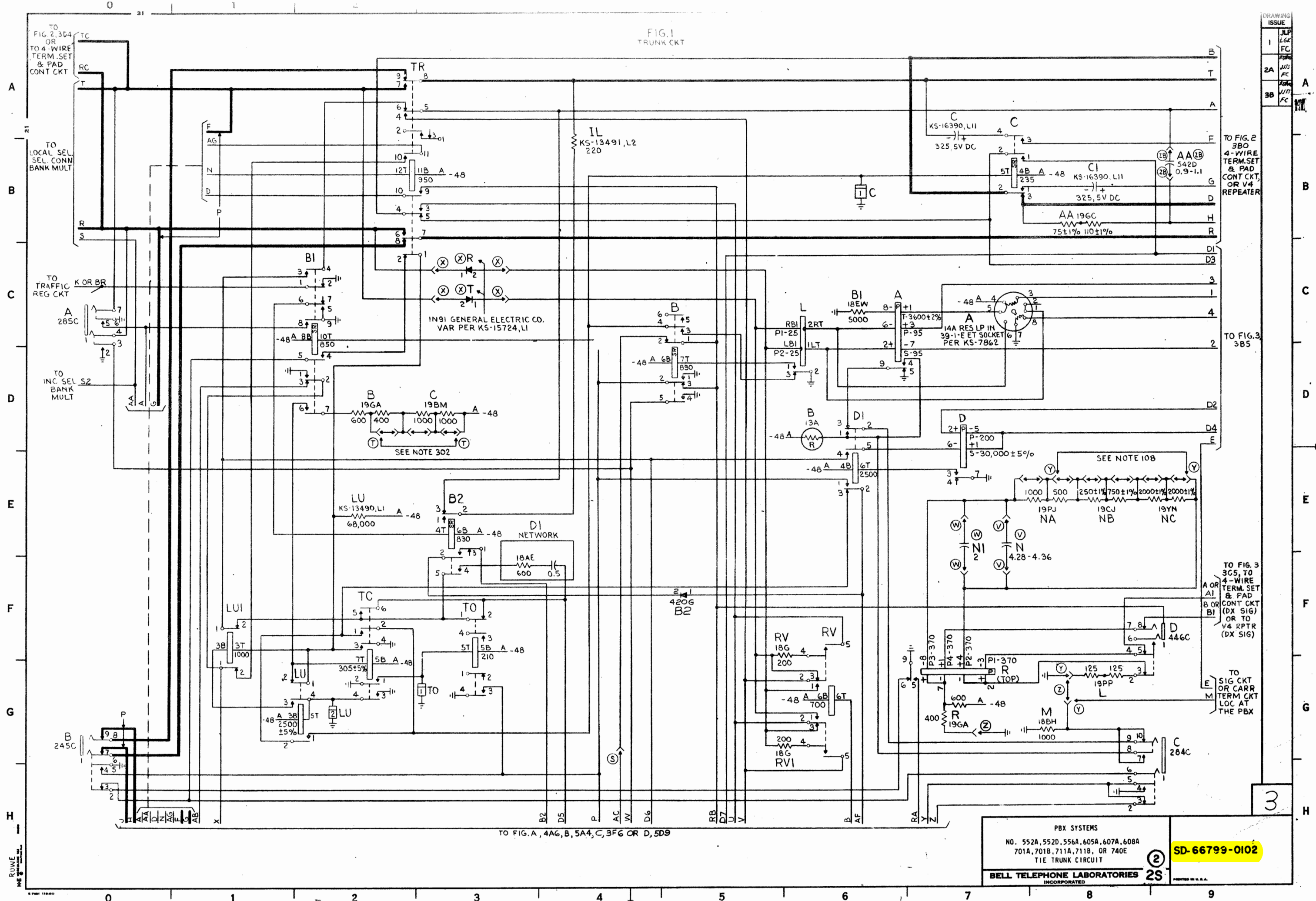


FIG. 2  
TRANSMISSION PAD AND  
PAD CONTROL CKT

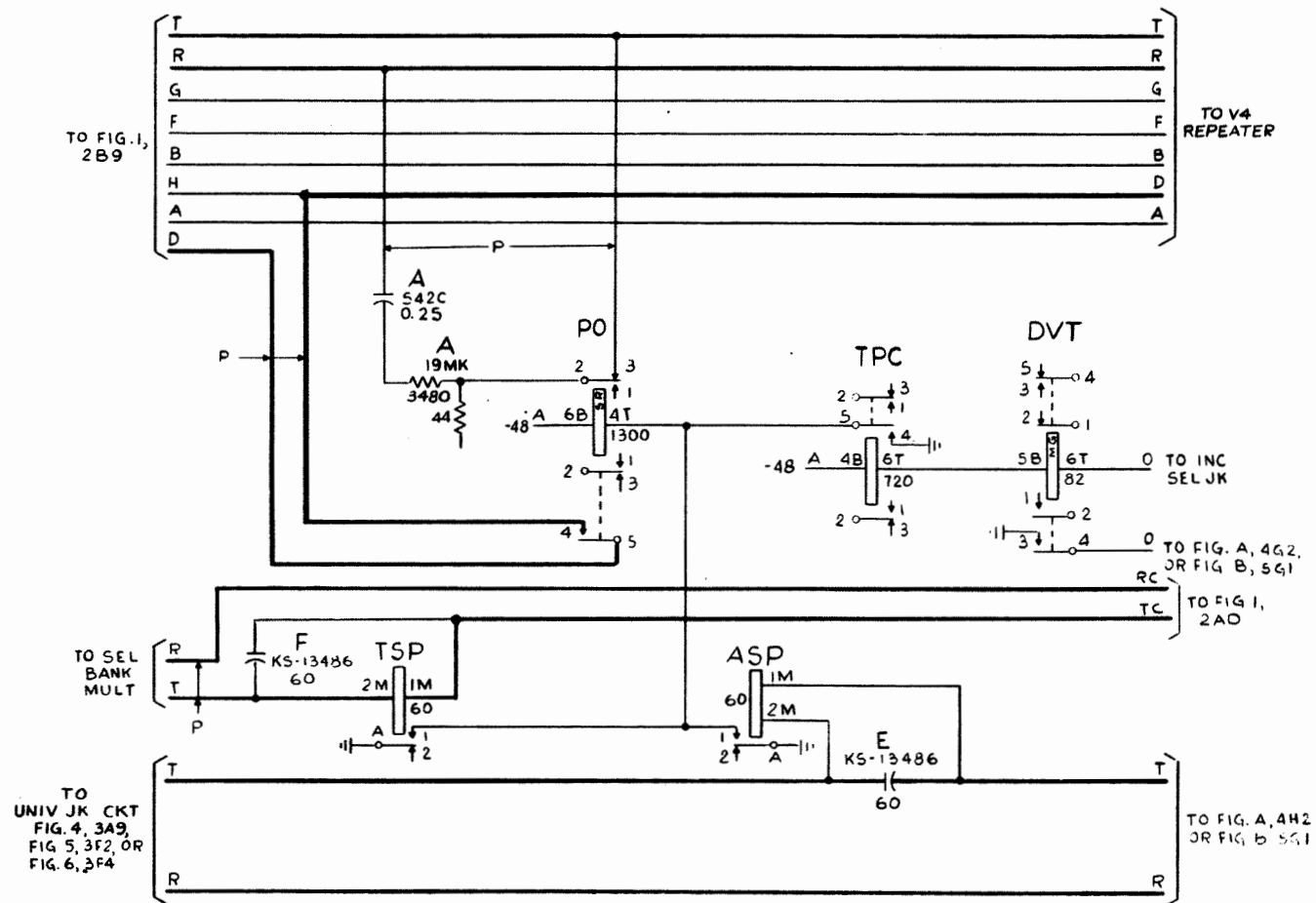


FIG. 5  
C(PAD-OUT) JACK CKT  
(607A)

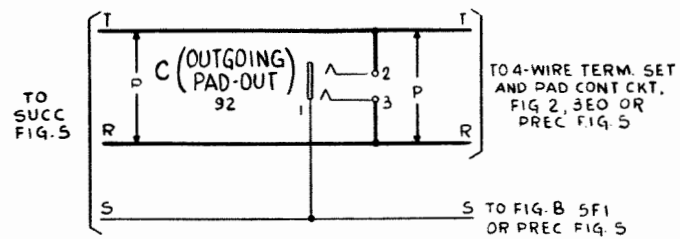


FIG. 6  
C (PAD-OUT) JACK CKT  
(603A)

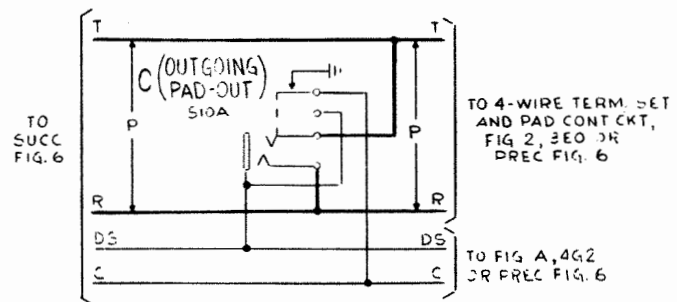


FIG. 3  
INDUCTOR CKT

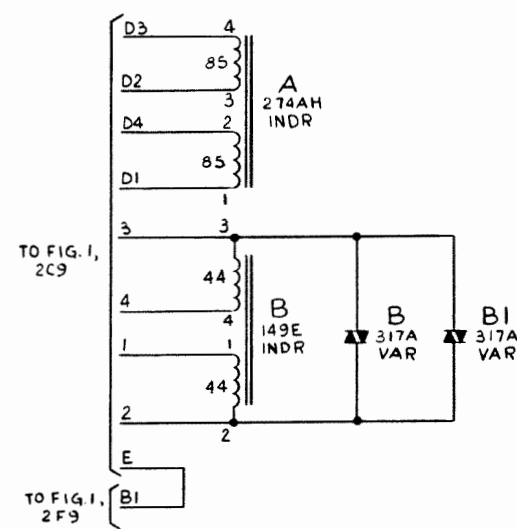


FIG. 4  
C(PAD-OUT) JACK CKT  
(552A, 552D, 556A, 605A)

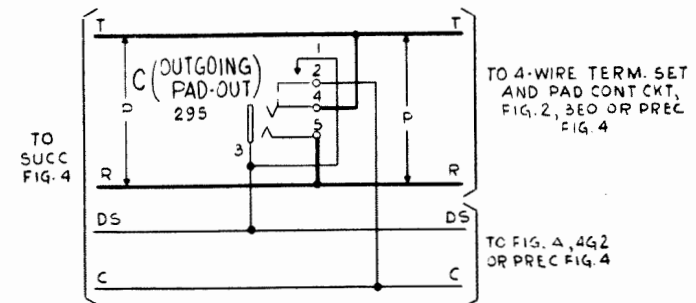
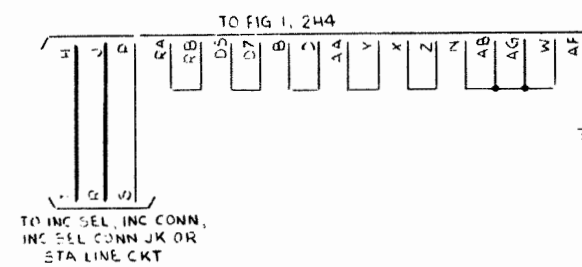


FIG C  
NO. 711A, 711B, OR 740E  
WITHOUT ATT SWBD  
APPLIQUE CKT





**A**

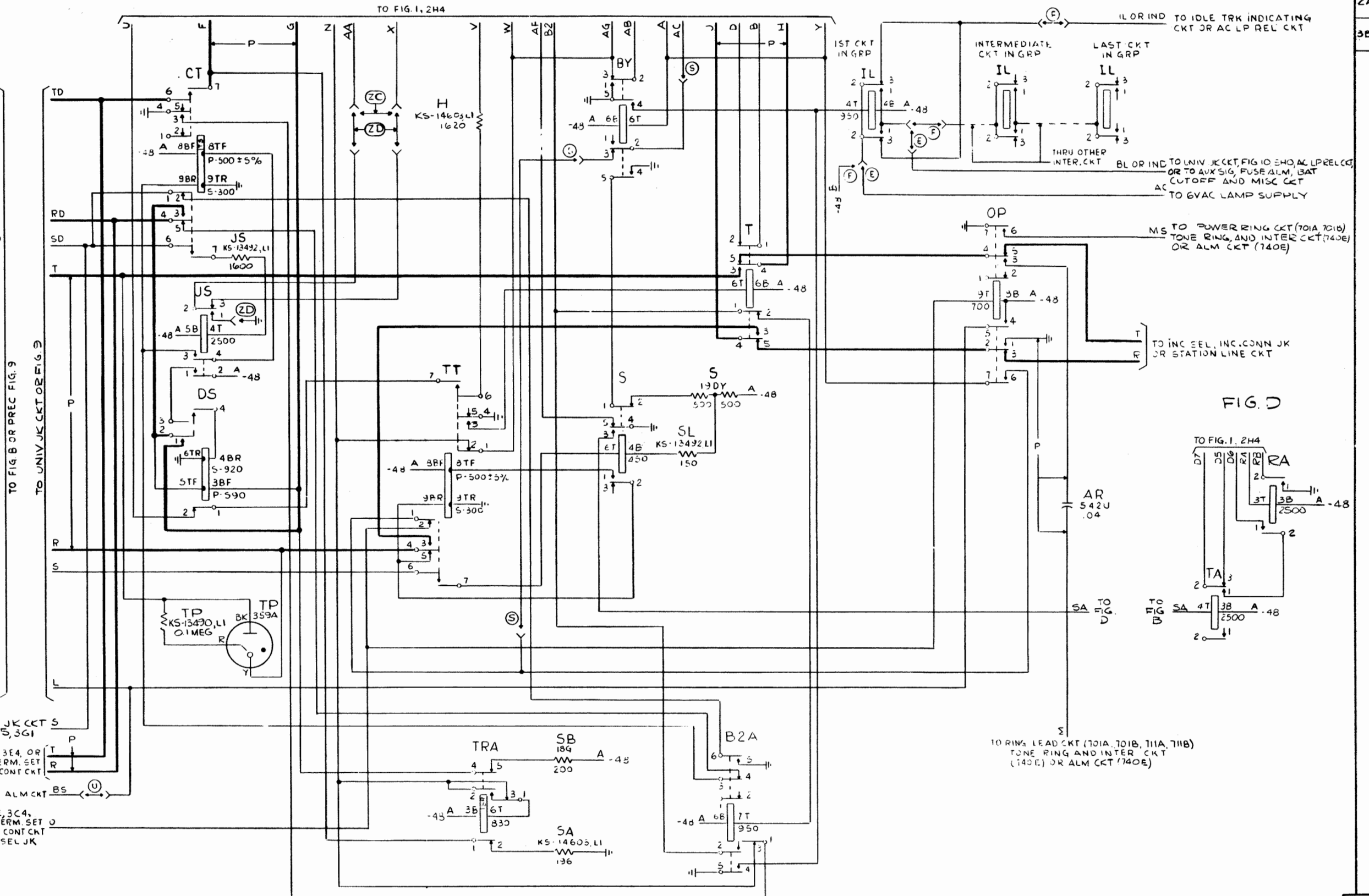


E



Diagram of a 2Y 105 transformer with two windings, A and B, and a TRK winding. Winding A is labeled "(INC OR) SUPV" and Winding B is labeled "(OUTGOING) PAD-IN". Both have 92 turns. The diagram shows connections to TD, RD, SD, T, R, S, and L lines, with a 2Y 105 transformer symbol and a note "SEE NOTE 105".

IND  
G2  
SEE NOTE 1.06  
L.B.L. B.L.L. TO SUCC  
FIG. 10



TO RING LEAD CKT (701A, 701B, 711A, 711B)  
TONE RING AND INTER CKT  
(740E) OR ALM CKT (740E)

PBX SYSTEMS  
NO. 552A, 552D, 556A, 605A, 607A, 608A,  
701A, 7C1B, 711A, 711B, OR 740E  
TIE TRUNK CIRCUIT

**BELL TELEPHONE LABORATORIES**  
INCORPORATED

② SD-66799-0105

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SD-66799-013 PAGESCIRCUIT REQUIREMENTS

TIE TRUNK CKT

APPARATUS				MECH REQ		CIRCUIT PREPARATION				TEST SET PREP				DIRECT CURRENT FLOW REQ				REMARKS			
DESIG	CODE	OPTION	FIG	LOC	BSP	CONT	ARM	TRVL	BLOCK OR INSULATE	TEST CLIP DATA		TEST SET PREP	SEE TEST NOTE	TEST WDG	TEST FOR	AFTER SOAK	TEST		READJ		
										CONN BAT.	CONN GRD										
RELAYS																					
A	280AJ		1	2C6	A					3T & 3B(RV)	(A)SKT 3	(A)SKT 8	B/G	1,2	P/S	0	-25	1.2	0.6	WINDING ALONE	
											(A)SKT 3	(A)SKT 8	B/G	1,2	P/S	NO	-25	0.4	0.4		
ASP	B1139		2	3D2	14			30			2M(ASP)	1M(ASP)	B/G			0		6.9	6.6		
											2M(ASP)	1M(ASP)	B/G			R	3	3.2			
B	Y316		1	2C5	120/203	H		47				T(B)	GRD			0	40	26.5	25		
																H	40	3.9	3.7		
																R	40	1.1	1.4		
B1	Y293		1	2C2	215/145	H		47			T(B1)	GRD	3		0	FS	23	21.5			
											T(B1)	GRD	3		H	FS	4.4	4.1			
											T(B1)	GRD	3		R	FS	1	1.3			
B2	Y210		1	2E3	175/130	H		47		(B1)NO	T(B2)	GRD			0	FS	35	33.5			
										(B1)NO	T(B2)	GRD			H	FS	3.8	3.6			
										(B1)NO	T(B2)	GRD			R	FS	1.1	1.3			
B2A	U1412		A	4B3	137/130	H		44			T(B2A)	GRD			0		20.5	19.5			
			B	5G5																	
BY	U191		A	4A5	183/108	H		47			T(BY)	GRD			0		13.9	13.2			
BY	U679		B	5A5	108/108	H		47			T(BY)	GRD			0		18.5	17.5			
C	Y192		1	2A7	190/175	H		47			T(C)	GRD			0	FS	46.5	44			
											T(C)	GRD			H	FS	6.2	5.9			
											T(C)	GRD			R	FS	2.6	3.2			
CT	U1070		B	5A2	317/317	H		59			BR(CT)		BAT.	4	S	0	FS	51.5	49		
											BR(CT)		BAT.		S	0		130			
											BR(CT)		BAT.	5	S	NO	95	100			
											BR(CT)	TF(CT)	M		P/S	C	32				
D	280Y		1	2D7	B						ST(D1)	SB(TR)	B/G		P	0	-45		1.1		
										(D1)O	ST(D1)	SB(TR)	B/G		P	NO	-45	0.8			
											ST(D1)	SB(TR)	B/G		P	0	-45	5.2	4.9		
											ST(D1)	SB(TR)	B/G		P	R	45	1.3	1.2		
										(D1)NO	ST(D1)	SB(TR)	B/G		P/S	0	0.8				
D1	U157		1	2D6	108/132	H		47			T(D1)	GRD			0		8.6	8.1			
DL	U1095		A	4C6	305/144	H		47		1T(DL)	BF(DL)	TF(DL)	B/G	6	P	0		16.5	15.5		
										1T(DL)	BF(DL)	TF(DL)	B/G		P	0		19	18		
											BR(DL)		BAT.		S	0		31.5			
DS	U740	ZC	A	4C5	145/145	H		47			T(DS)	GRD			0		20.5	19.5			
	U73	ZD	A	4C5	146/117	H		47			T(DS)	GRD			0		21	20			

TEST NOTES:

1. REMOVE RESISTANCE LAMP (A) FROM ITS SOCKET.

2. CONNECT 1 (A) SOCKET TO 6 (A) SOCKET.

3. ADJACENT RELAYS SHALL NOT BE ENERGIZED. SEE BSP.

4. TO MAKE 6-7T, 6-7B ONLY, SPRINGS 6-7T, 6-7B SHALL MAKE BEFORE TOP OR BOTTOM STUD STRIKES BUFFER SPRING.

5. WITH THIS CURRENT STUD GAPS OF 4T, 4B SPRINGS SHALL BE PERCEPTIBLE.

6. CONT 3-4T SHALL MAKE.

NO. 552A,552D,556A,605A,607A,608A,701A,701B,711A,711B OR 740E

TIE TRUNK CIRCUIT

SD-66799-0106

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CIRCUIT REQUIREMENTS

APPARATUS				MECH REQ		CIRCUIT PREPARATION				TEST SET PREP				DIRECT CURRENT FLOW REQ				REMARKS			
DESIG	CODE	OPTION	FIG	LOC	BSP	CONT	ARM	TRVL	BLOCK OR INSULATE	TEST CLIP DATA		TEST SET PREP	SEE TEST NOTE	TEST WDG	TEST FOR	AFTER SOAK	TEST		READJ		
										CONN BAT.	CONN GRD										
DS	U1095		B	5D2	305/144	H		47		1T(DS)	BF(DS)	TF(DS)	B/G	1	P	0		16.5	15.5		
										1T(DS)	BF(DS)	TF(DS)	B/G		P	0		19	18		
											BR(DS)		BAT.		S	0		31.5			
DVT	U970		2	3B3	160/111			47			T(DVT)	GRD	2			0		38	36		
											T(DVT)	GRD	2			NO	23	24.5			
IL	U141		B	5A6	132/132	H		47			T(IL)	GRD			0		18.5	17.5			
JS	U158		B	5C2	132/111	H		47			T(JS)	GRD			0		7.9	7.5			
L	5515		1	2C6	BM			10		3T & 3B (RV)	(A)SKT 3	A(SKT)8	B/G	3	P1/P2	0		11.6	11		
											(A)SKT 3	A(SKT)8	B/G	3	P1/P2	R		5.3	5.6		
											(A)SKT 3	A(SKT)8	B/G	3	P1/P2	NO		9.4	9.9		
LU	U6079		1	2G2	110/101	H		35		4T(LU)	T(LU)	GRD	4		0		7.1	6.8			
										4T(LU)	T(LU)	GRD			NO		5.8	6.1			
LU1	U6071		1	2F1	144/144	H		35		(LU)O	T(LU1)	GRD	5		0		9.8	9.3			
										(LU)O	T(LU1)	GRD	5		R		1.6	1.7			
OP	U722		A	4F6	148/145	H		47		(T1)O	T(OP)	GRD			0		22.5	21			
			B	5C7																	
PO	Y73		2	3B2	175/108	H		47			ST(TPC)	GRD			0		31.5	24.5	23		
R	280DP		1	2G7	A						(D)JK R	(D)JK T	NGB	6,7	P1/P2	Q	-45	1.9	0.9		
											(D)JK R	(D)JK T	NGB	6,7	P3/P4	NO	-45	0.4	0.6		
RA	U624		A	4C7	101/101	H		29			T(RA)	GRD			0		6.7	6.3			
			D	5D9																	
RV	U1022		1	2F6	319/319	H		53			T(RV)	GRD			0		26.5	25			

TEST NOTES:

1. CONTACT 3-4T SHALL MAKE.

2. RELAYS (DVT) AND (TPC) ARE ADJUSTED WITH THEIR WINDINGS IN SERIES.

3. REMOVE (A) RESISTANCE LAMP FROM ITS SOCKET. STRAP 3T AND 3B (RV).

4. WHEN PULSE REPEATING REQUIREMENTS ARE USED, PROVIDE INPUT PULSES IN ACCORDANCE WITH REQUIREMENT F2. THE OUTPUT AND THE ADJUSTING PROCEDURE SHALL BE IN ACCORDANCE WITH REQUIREMENT F5. 37 ± 2% BREAK AT 6PPS AND 60 ± 2% BREAK AT 12PPS (LU), (TC) AND (TO) RELAYS NEED NOT MEET READJUST CURRENT FLOW REQUIREMENTS. USE STRAPS AT (B) AND (C) RESISTORS AS REQUIRED. TO MEET BOTH CURRENT FLOW TEST AND % BREAK LIMITS AT 12PPS.

5. ADJACENT RELAYS SHALL NOT BE ENERGIZED. SEE BSP.

6. SHORT CIRCUIT (NA),(NB) AND (NC) RESISTORS. (P1,P2,P3 AND P4 CONNECTED IN SERIES.)

7. PLACE 500 OHMS ± 1% ACROSS TEST LEADS.

PBX SYSTEMS

NO. 552A,552D,556A,605A,607A,608A,701A,701B,711A,711B OR 740E

TIE TRUNK CIRCUIT

SD-66799-0106

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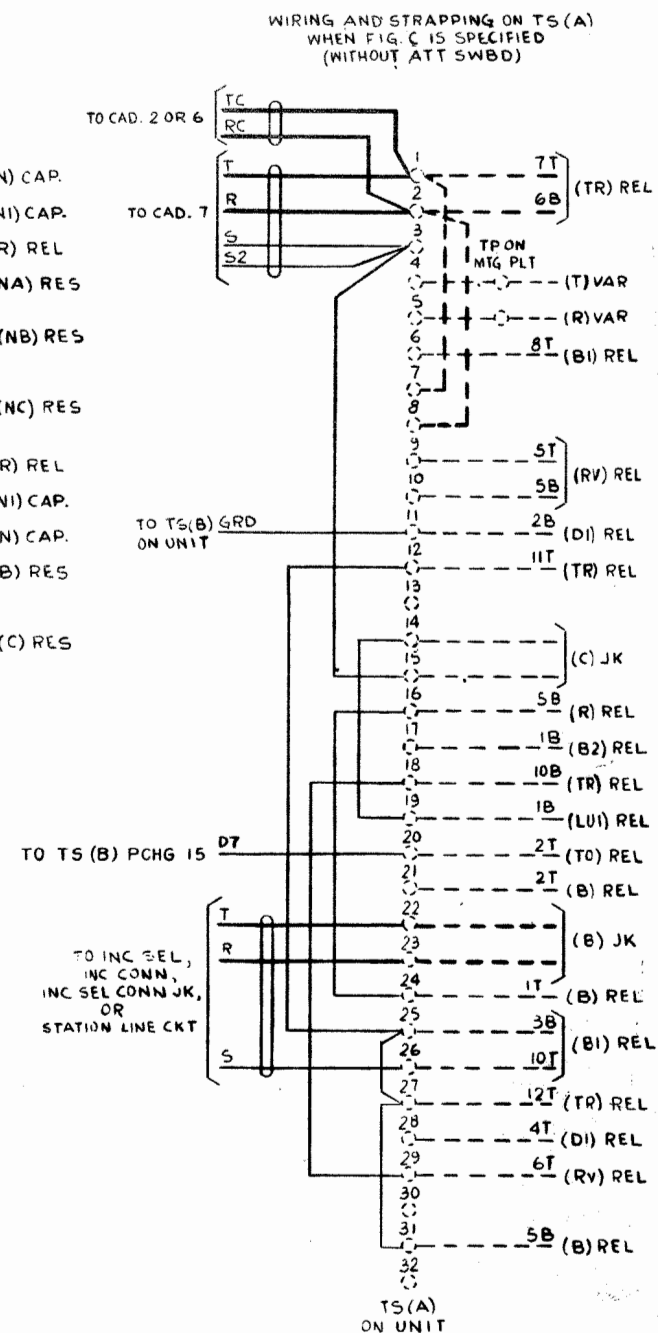
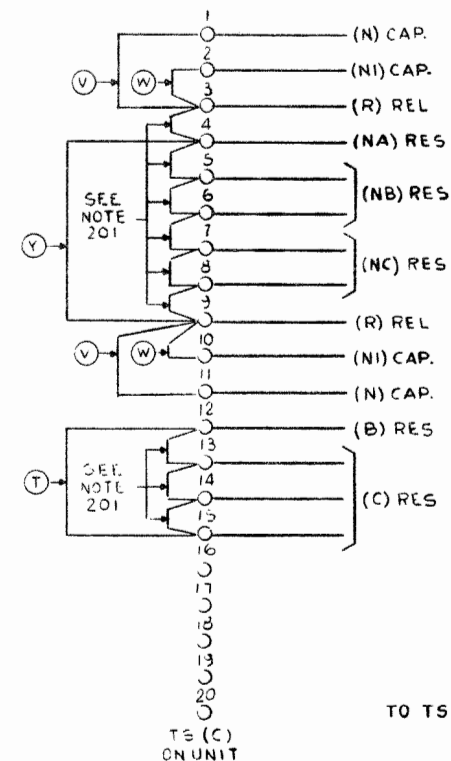
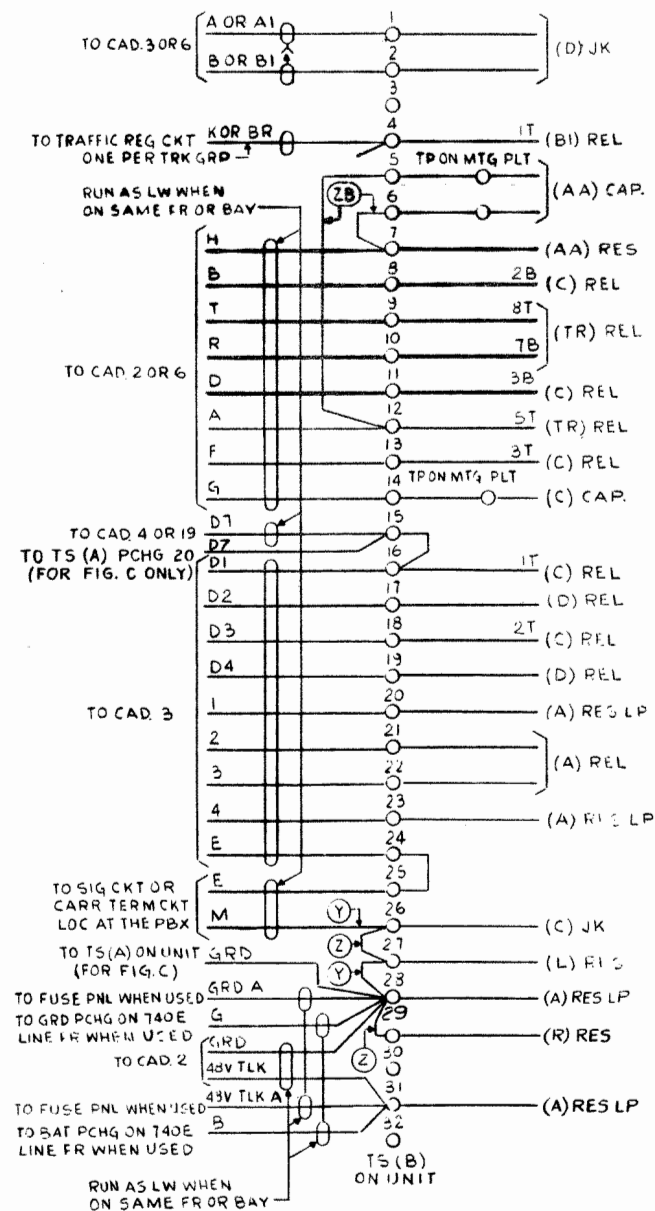
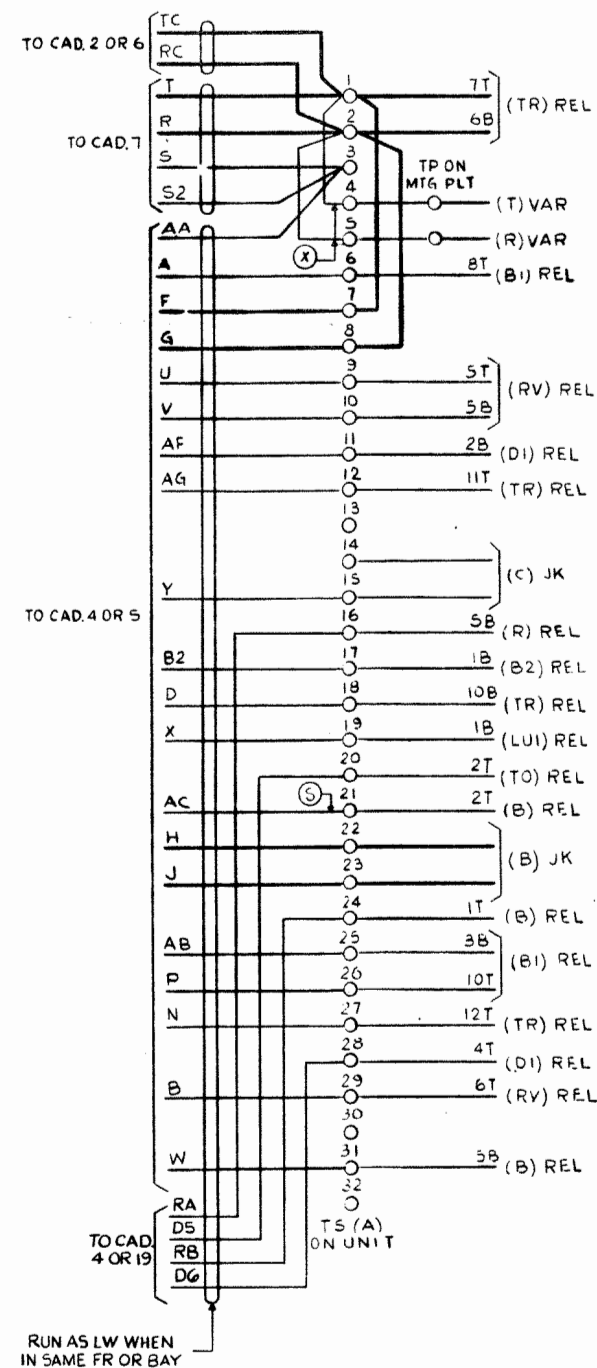


CIRCUIT REQUIREMENTS																				DRAWING ISSUE
APPARATUS				LDC	MECH REQ			CIRCUIT PREPARATION				DIRECT CURRENT FLOW REQ				REMARKS				
DESIG	CODE	OPTION	FIG.		BSP FIG	CONT PRESS	ARM TRVL	BLOCK OR INSULATE	TEST CLIP DATA		TEST SET PREP	SEC TEST NOTE	TEST WDG	TEST FOR	AFTER SOAK MA	TEST MA	READJ MA			
									CONN BAT.	CONN GRD							1	2A	3B	
S	B167		A	4E7	1		30		3B(T)	4T(T1)	B/G			0		2.3	2.1			
									3B(T)	4T(T1)	B/G			NO		1.5	1.6			
S	U252		B	5D5	160/132	H	47			T(S)	GRD			0		20	19			
										T(S)	GRD			NO		10.6	11.2			
T	U1344		A	4D8	335/320	H	59			T(T)	GRD			0		19.5	18.5			
T	U1387		B	5C6	160/160	H	47			T(T)	GRD			0		24.2	23			
T1	U167		A	4E5	114/152	H	50	9T(T1)		T(T1)	GRD			0		18	17			
TA	U185		D	5E9	132/101	H	47			T(TA)	GRD			0		7.3	6.9			
TC	U920		1	2F2	123/111	H	SPL	(LU)0 6B(B1)		T(TC)	GRD	1.2		0	FS	33	32		ARM. TRVL 26 MIN. 29 MAX	
										T(TC)	GRD	1		H	FS	23	22.5			
										T(TC)	GRD	1		R	FS	16	16.5			
TO	U1069		1	2F3	191/191	H	SPL			T(TO)	GRD	1.2		0		59	56		ARM. TRVL 32 MIN. 35 MAX	
										T(TO)	GRD	1		NO		37	38			
										T(TO)	GRD	1		H		33.5	32.5			
										T(TO)	GRD	1		R		19.5	20			
TPC	UA119		2	3B3	108/132	SPL	47			T(DVT)	GRD	3.4		0		8.4	8			
TR	U1025		1	2A3	163/150	H	59	11T(TR), 3T(TRA)		T(TR)	GRD			0		31	29.5			
TRA	Y184		A	4D3	142/131	H	53	1T, 2T, 3T (TRA)		T(TRA)	GRD			0	40	35	33			
			B	5G4				1T, 2T, 3T (TRA)		T(TRA)	GRD			H	40	3	2.8			
								1T, 2T, 3T (TRA)		T(TRA)	GRD			R	4C	0.9	1.1			
TSP	B1139		2	3D1	14		30		2M(TSP)	1M(TSP)	B/G			0		6.9	6.6			
									2M(TSP)	1M(TSP)	B/G			R		3	3.2			
TT	U1070		B	5D4	317/317	H	59		BR(TT)		BAT.	5	S	0	FS	51.5	49			
									BR(TT)		BAT.		S	0			130			
									BR(TT)		BAT.	6	S	NO		95	100			
									BR(TT)	TF(TT)	M		P/S	0		34				
TEST NOTES:																				
1. ADJACENT RELAYS SHALL NOT BE ENERGIZED. SEE BSP.																				
2. WHEN PULSE REPEATING REQUIREMENTS ARE USED, PROVIDE INPUT PULSES IN ACCORDANCE WITH REQUIREMENT F2. BLOCK (LU1) AND (D1) NO AND INSULATE 4B(B2) FOR PULSE REPEATING REQUIREMENT TESTS. THE OUTPUT AND THE ADJUSTING PROCEDURE SHALL BE IN ACCORDANCE WITH REQUIREMENT F5 37 ±2% BREAK AT 6PPS AND 60 ±2% BREAK AT 12PPS (LU), (TC) AND (TO) RELAYS NEED NOT MEET READJUST CURRENT FLOW REQUIREMENTS. USE STRAPS AT (B) AND (C) RESISTORS AS REQUIRED AND TENSION ON (TC) RELAY IF NECESSARY, TO MEET BOTH CURRENT FLOW TEST AND % BREAK LIMITS AT 12PPS ADJUST TENSION ON (TO) TO MEET 6PPS REQUIREMENT.																				
3. CONTACTS MAKE 6, READJUST 4, MINIMUM SPRING TENSION (2T AND 2B) TO GRAMS READJUST, 8 GRAMS TEST.																				
4. RELAYS (DVT) AND (TPC) ARE ADJUSTED WITH THEIR WINDINGS IN SERIES.																				
5. TO MAKE 6-7T, 6-7B ONLY, SPRINGS 6-7T SHALL MAKE BEFORE TOP OR BOTTOM STUD STRIKES BUFFER SPRING.																				
6. WITH THIS CURRENT, STUD GAPS OF 4T, 4B SPRINGS SHALL BE PERCEPTIBLE.																				
NO. 552A, 552C, 556A, 605A, 607A, 608A, 701A, 701B, 711A, 711B OH /4LE THE TRUNK CIRCUIT															SD-66799-0107					
BELL TELEPHONE LABORATORIES															PRINTED IN U. S. A.					

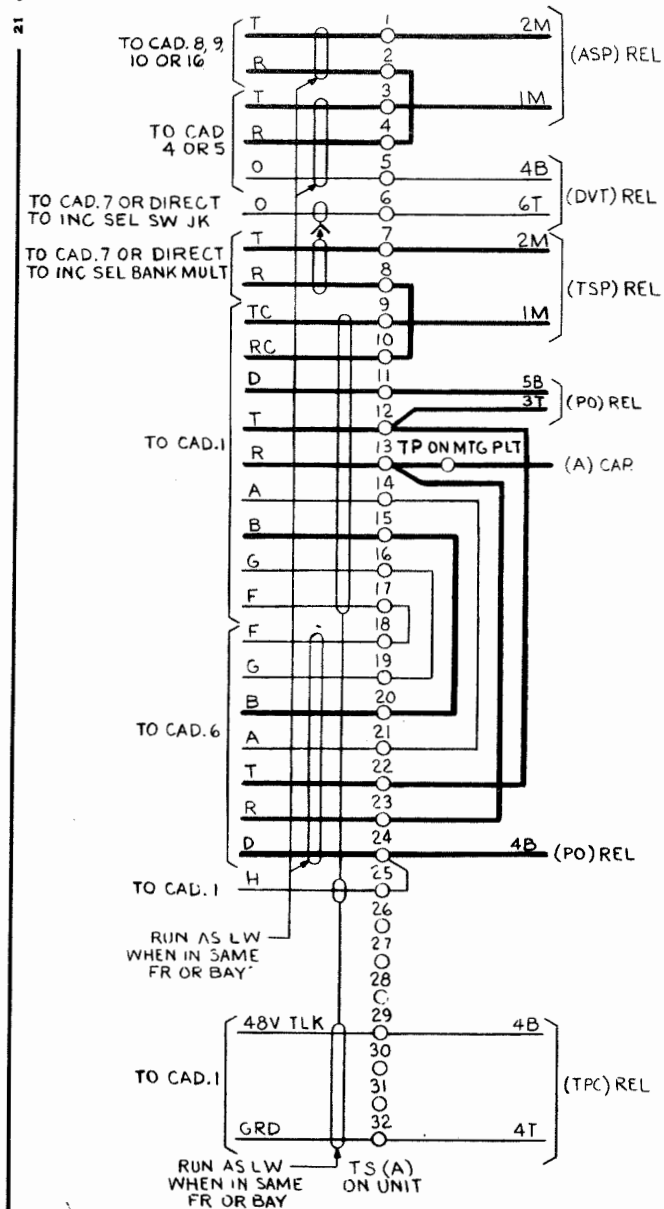
[illegible]



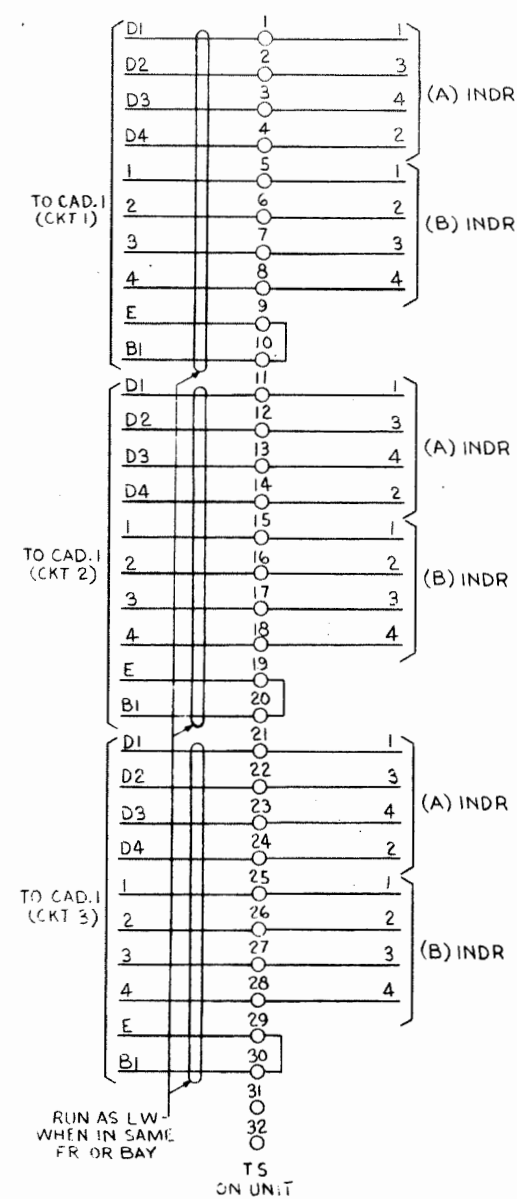
# CAD. I (FOR FIG. 1 & C) TRUNK COMMON



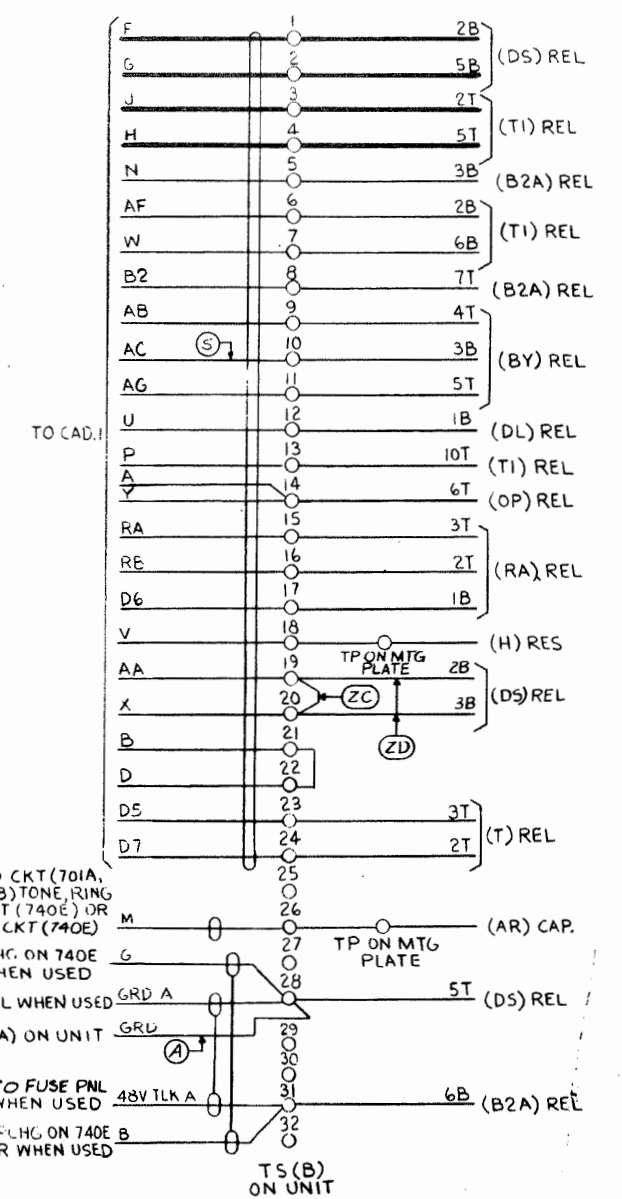
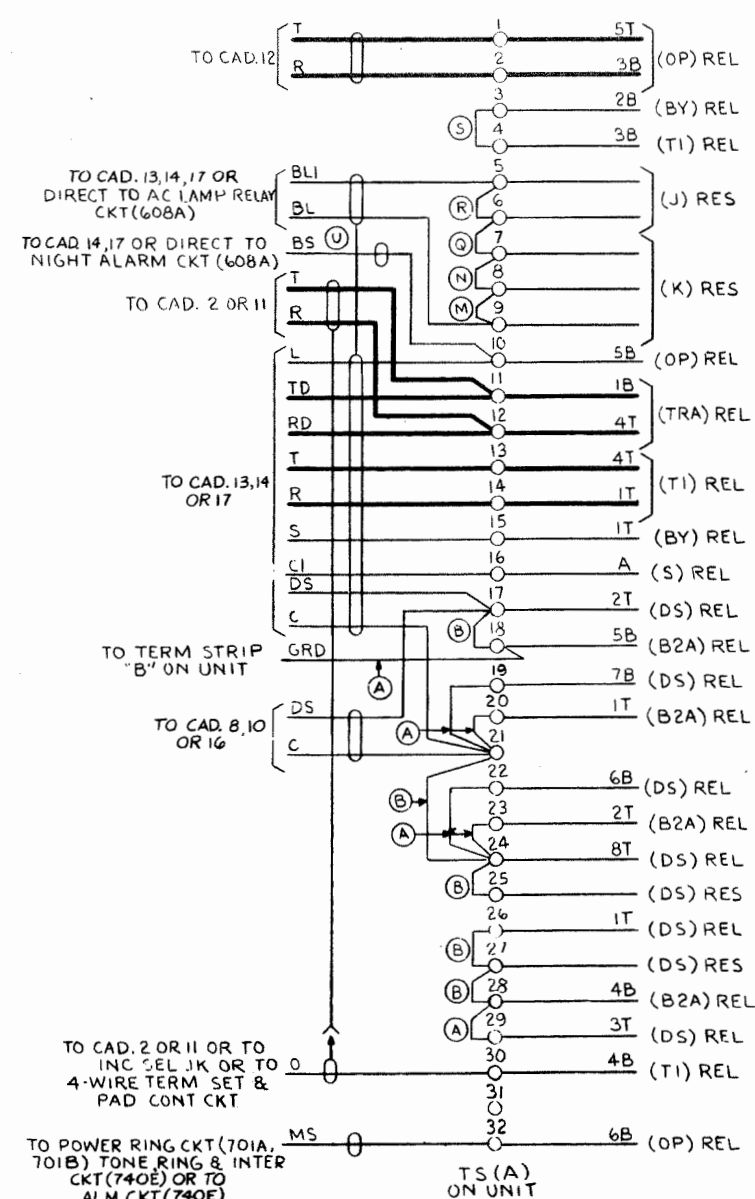
XMSN PAD & PAD CONTROL CKT



TRUNK COMMON

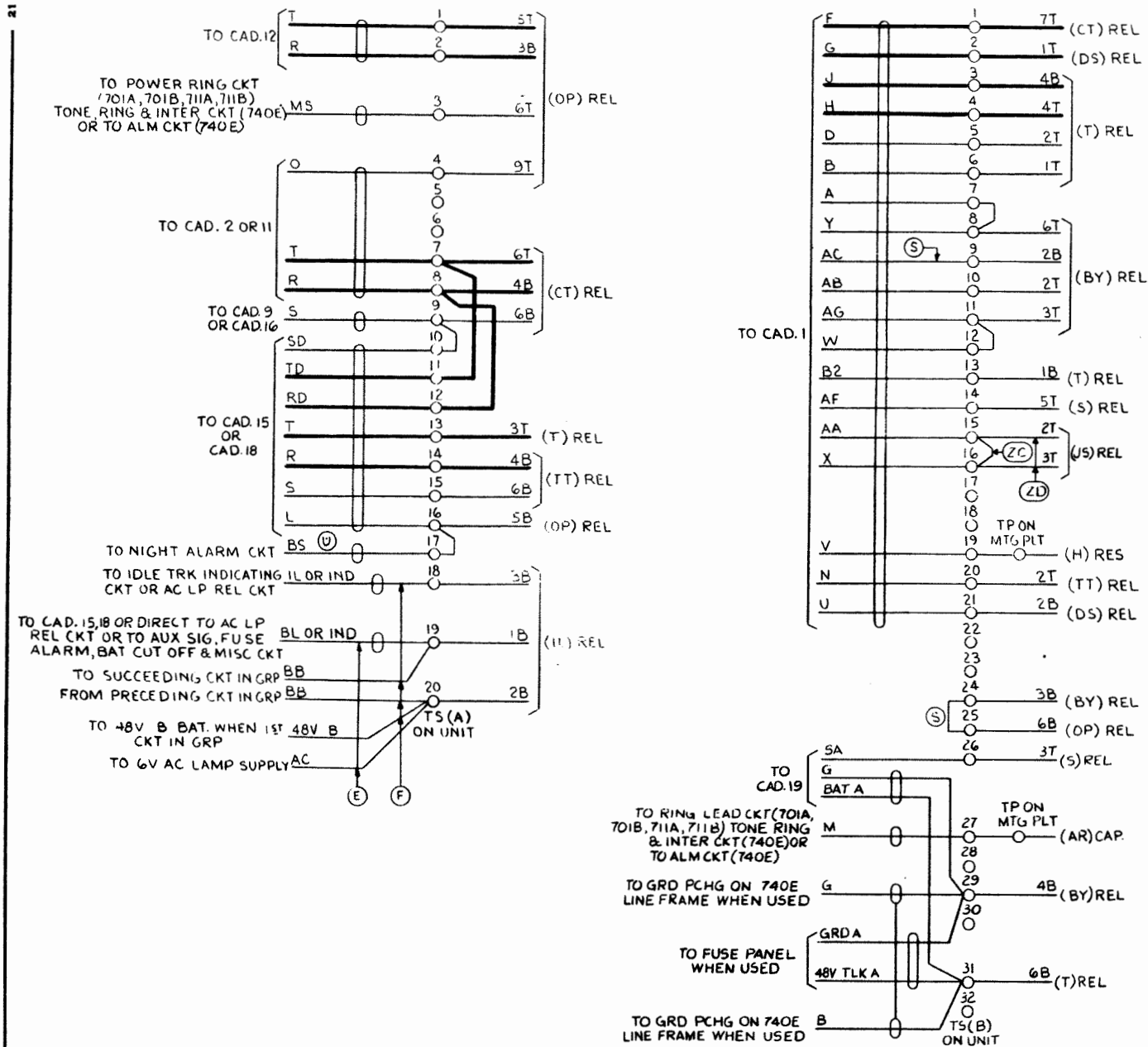


NO. 552A, 552D, 556A, 605A OR 608A  
SWITCHBOARD APPLIQUE CKT



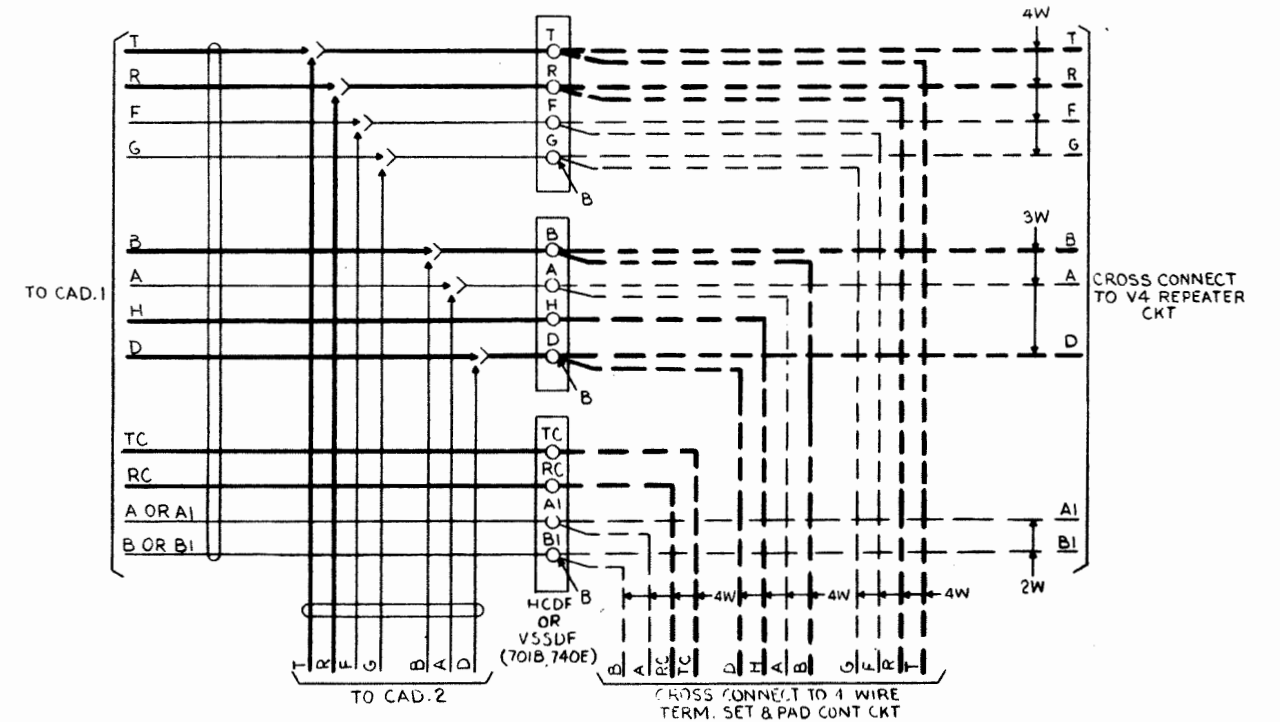


(FOR FIG. B)  
NO. 607A SWITCHBOARD APPLIQUE CKT

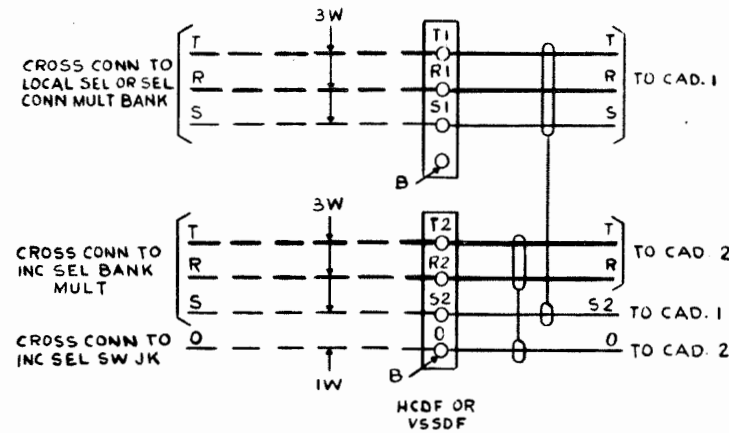


(FOR FIG. 1, 2 & 3)

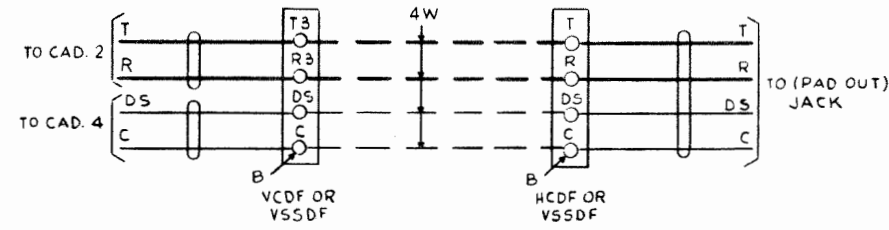
CROSS CONNECTS TO V4 REPEATER CKT, 4-WIRE  
TERM. CKT OR 4-WIRE TERM. SET & PAD CONTROL CKT  
FROM TRUNK COMMON CKT



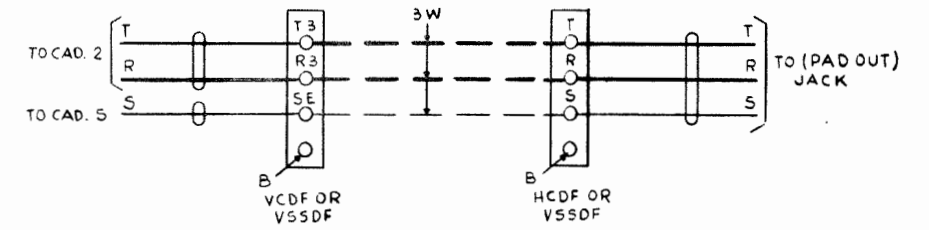
**CAD. 7**  
(FOR FIG. 1 & 2)



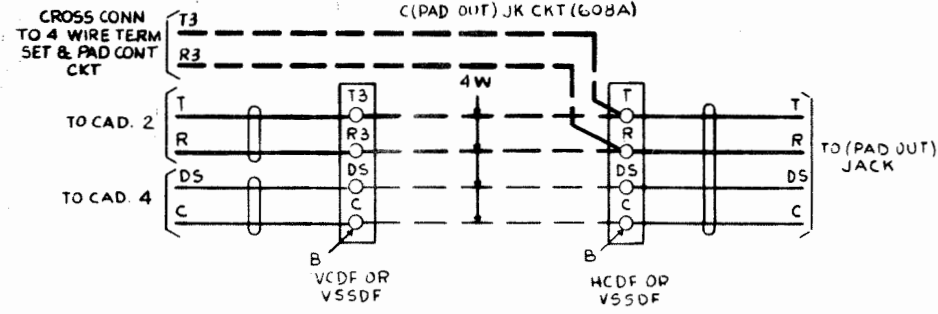
**CAD. 8**  
(FOR FIG. 4)  
C (PAD-OUT) JK CKT (552A, 552D, 556A, 605A)



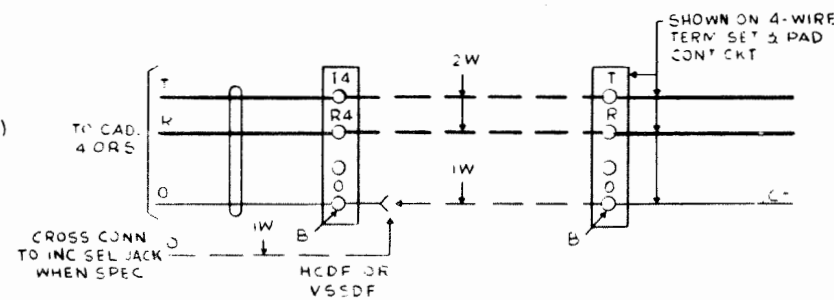
**CAD. 9**  
(FOR FIG. 5)  
C (PAD-OUT) JK CKT (607A)



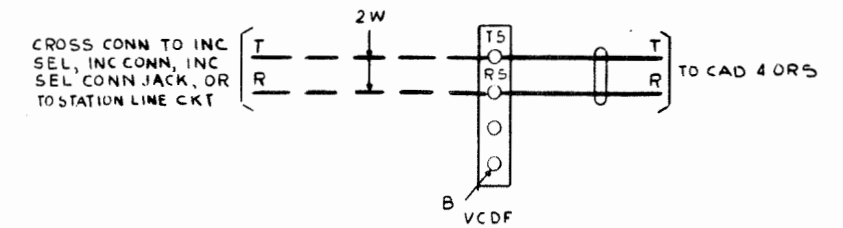
**CAD. 10**  
(FOR FIG. 6)  
C (PAD OUT) JK CKT (608A)



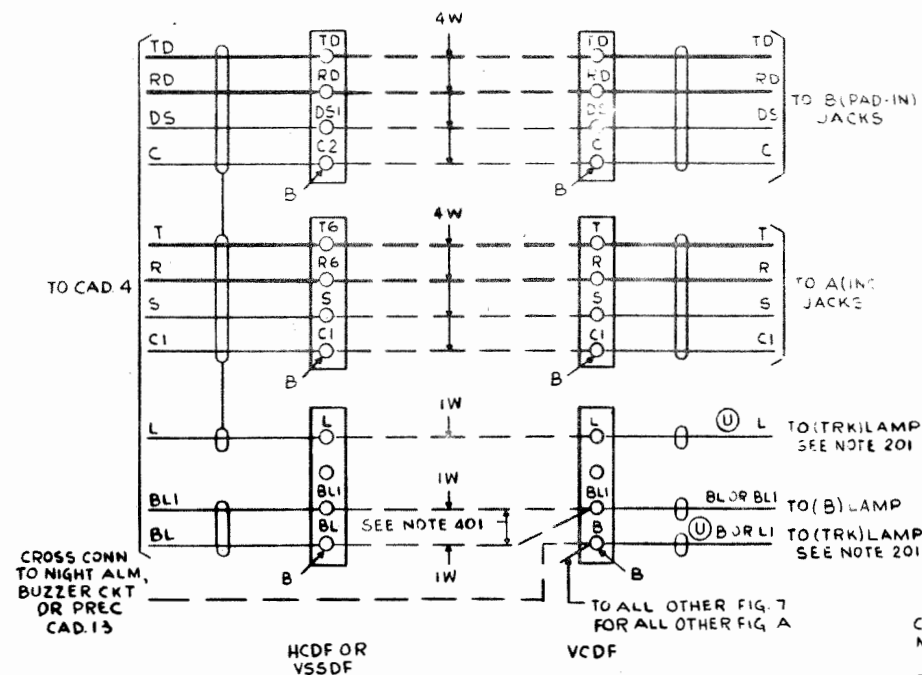
**CAD. 11**  
(FOR FIG. A & B WHEN FIG. 2 IS NOT SPEC)



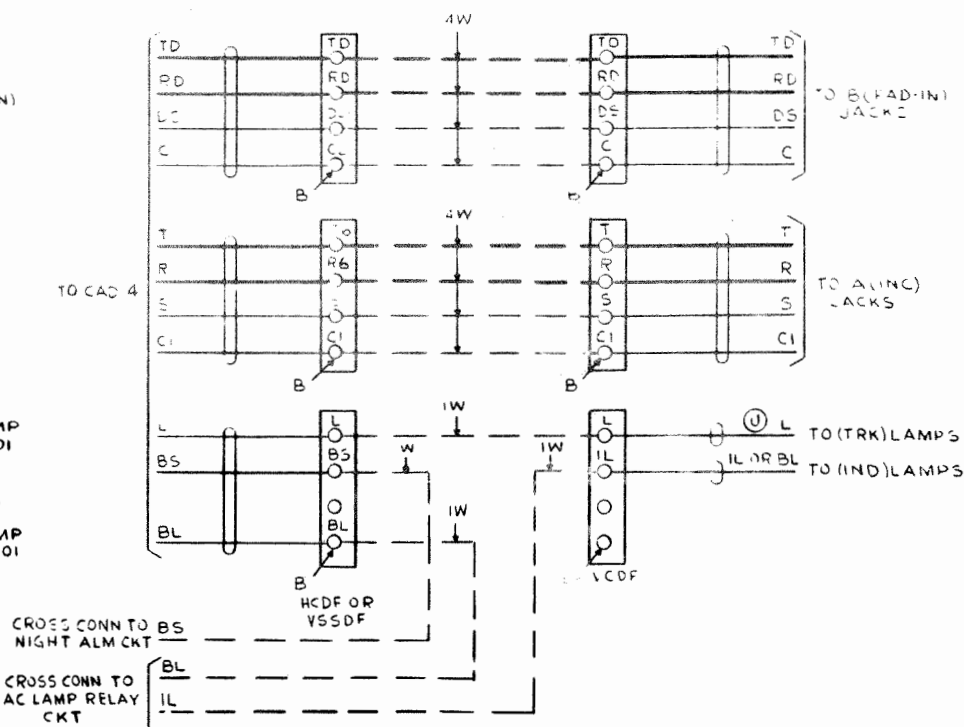
**CAD. 12**  
(FOR FIG. A & B)



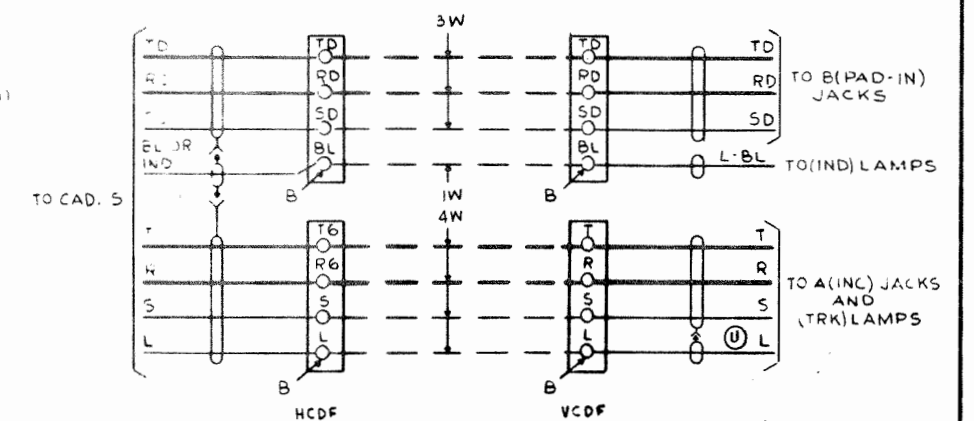
**CAD. 13**  
(FOR FIG. A & 7)  
A (INC) & B (PAD IN) JK & LAMP CKT (552A, 552D, 556A, 605A)



**CAD. 14**  
(FOR FIG. A & 8)  
A (INC) & B (PAD IN) JK & LAMP CKT (608A)



**CAD. 15**  
(FOR FIG. 9 & 10)  
A (INC) & B (PAD-IN) JK & LAMP CKT (607A)



66799-0111

RUNE

5-7400 (8-61)

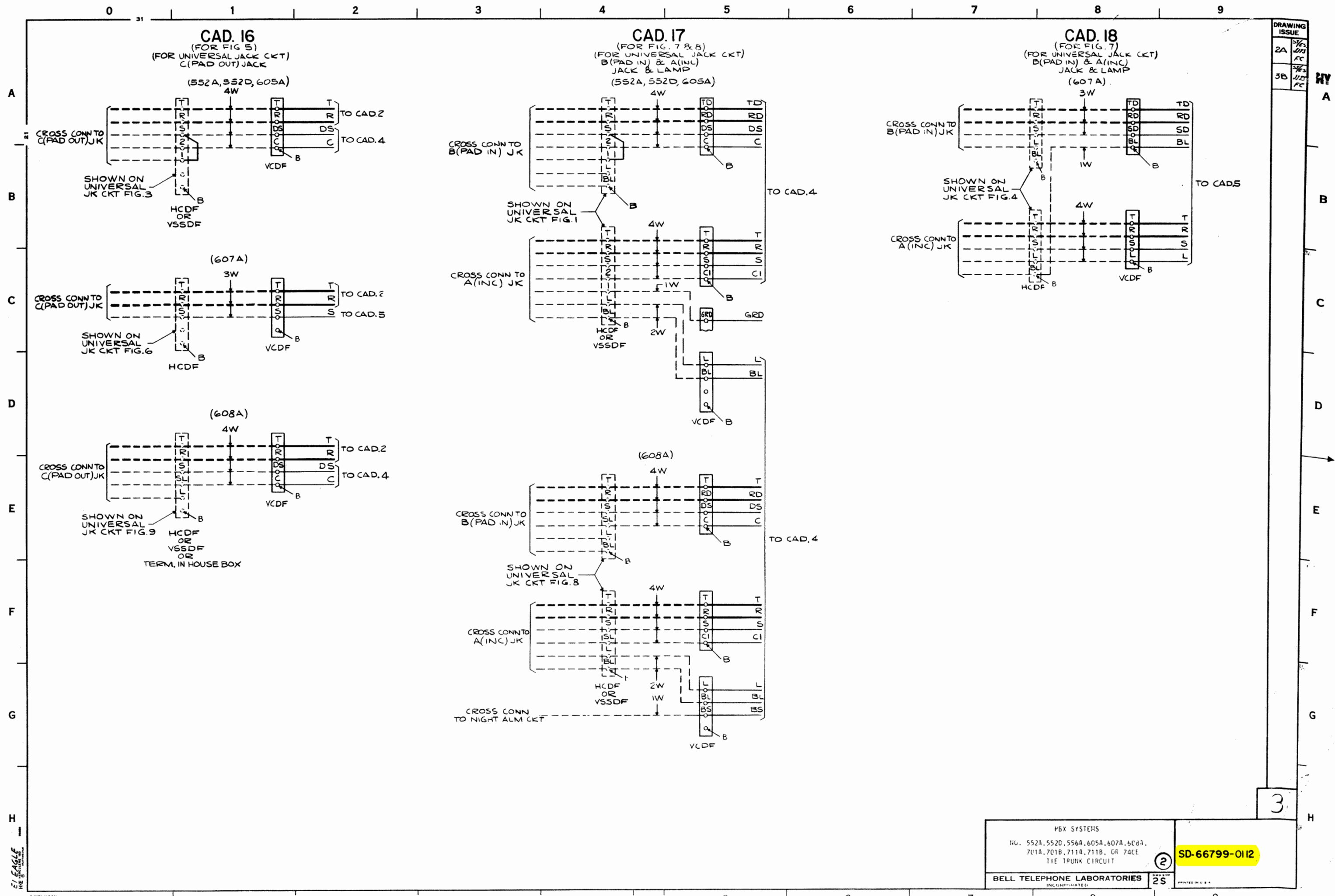
PBX SYSTEMS  
NO. 552A, 552D, 556A, 605A, 607A, 608A,  
701A, 701B, 711A, 711B, 740E  
TIE TRUNK CIRCUIT

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DRAWING		HY
ISSUE		
2A	5/63 JH FC	
3B	5/63 JH FC	A B C D E F G H

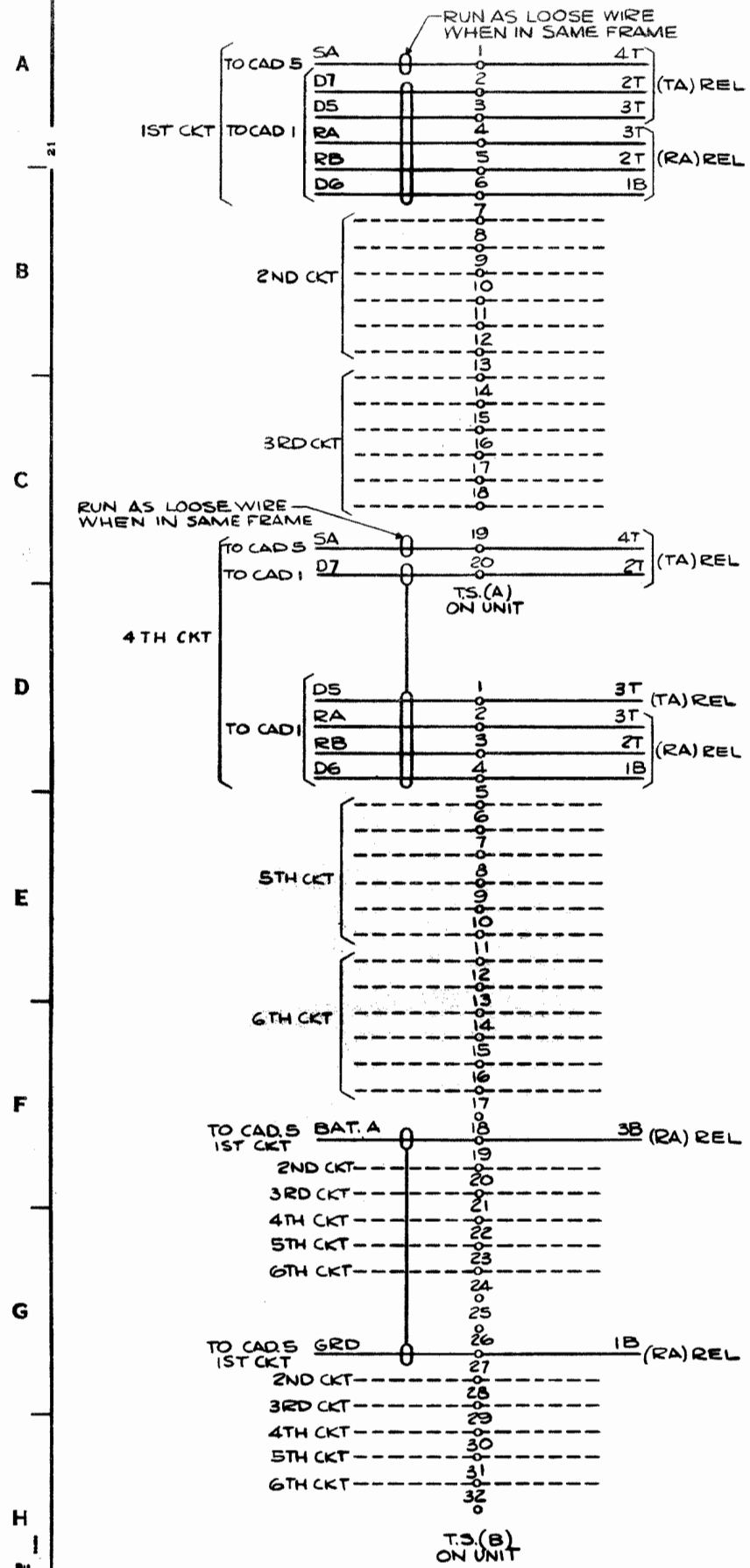
PBX SYSTEMS  
NO. 552A, 552D, 556A, 605A, 607A, 608A,  
701A, 701B, 711A, 711B, GR 74CE  
TIE TRUNK CIRCUIT


2  
SD-66799-0112

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CAD. 19  
(FOR FIG. D)



PBX SYSTEMS		
NO. 552A, 552D, 556A, 605A, 607A, 608A, 701A, 701B, 711A, 711B, OR 740E TIE TRUNK CIRCUIT		
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