











FIGURES AND OPTIONS ON THIS DISC.

CT	FIG.	OR	APP	LOC																
1	1																			
2	2																			
3	3																			
4	4																			
5	5																			
6	6																			
7	7																			
8	8																			
9	9																			
10	10																			
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12	12																			
13	13																			
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16	16																			
17	17																			
18	18																			
19	19																			
20	20																			
21	21																			

FEATURE OR OPTION	REQD FOR EXTS MANUFACTURED PRIOR TO ISSUE 113		REQD FOR EXTS MANUFACTURED PER ISSUE 113 AND LATER	
	FIG.	OR	FIG.	OR
WITHCUT & TYPE REPEATERS AND 1/2 IN CABLE LOOPS	117	117	117	117
MIN & TYPE REPEATERS AND A MAXIMUM CABLE LOOP OF 15 MI.	118	118	118	118
E AND N LEAD SIGNALING	119	119	119	119
IS NOT FURNISHED				
IS FURNISHED BY 4-WIRE TERMINAL CONTROL SET & P.O. CONTROL CKT	120	120	120	120
WHEN PAID	121	121	121	121
IS FURNISHED BY TIC TRK CKT	122	122	122	122
WHEN PAID	123	123	123	123
IS FURNISHED BY TIC TRK CKT	124	124	124	124
WHEN PAID	125	125	125	125
IS FURNISHED BY TIC TRK CKT	126	126	126	126
WHEN PAID	127	127	127	127
IS FURNISHED BY TIC TRK CKT	128	128	128	128
WHEN PAID	129	129	129	129
IS FURNISHED BY TIC TRK CKT	130	130	130	130
WHEN PAID	131	131	131	131
IS FURNISHED BY TIC TRK CKT	132	132	132	132
WHEN PAID	133	133	133	133
IS FURNISHED BY TIC TRK CKT	134	134	134	134
WHEN PAID	135	135	135	135
IS FURNISHED BY TIC TRK CKT	136	136	136	136
WHEN PAID	137	137	137	137
IS FURNISHED BY TIC TRK CKT	138	138	138	138
WHEN PAID	139	139	139	139
IS FURNISHED BY TIC TRK CKT	140	140	140	140
WHEN PAID	141	141	141	141
IS FURNISHED BY TIC TRK CKT	142	142	142	142
WHEN PAID	143	143	143	143
IS FURNISHED BY TIC TRK CKT	144	144	144	144
WHEN PAID	145	145	145	145
IS FURNISHED BY TIC TRK CKT	146	146	146	146
WHEN PAID	147	147	147	147
IS FURNISHED BY TIC TRK CKT	148	148	148	148
WHEN PAID	149	149	149	149
IS FURNISHED BY TIC TRK CKT	150	150	150	150
WHEN PAID	151	151	151	151
IS FURNISHED BY TIC TRK CKT	152	152	152	152
WHEN PAID	153	153	153	153
IS FURNISHED BY TIC TRK CKT	154	154	154	154
WHEN PAID	155	155	155	155
IS FURNISHED BY TIC TRK CKT	156	156	156	156
WHEN PAID	157	157	157	157
IS FURNISHED BY TIC TRK CKT	158	158	158	158
WHEN PAID	159	159	159	159
IS FURNISHED BY TIC TRK CKT	160	160	160	160
WHEN PAID	161	161	161	161
IS FURNISHED BY TIC TRK CKT	162	162	162	162
WHEN PAID	163	163	163	163
IS FURNISHED BY TIC TRK CKT	164	164	164	164
WHEN PAID	165	165	165	165
IS FURNISHED BY TIC TRK CKT	166	166	166	166
WHEN PAID	167	167	167	167
IS FURNISHED BY TIC TRK CKT	168	168	168	168
WHEN PAID	169	169	169	169
IS FURNISHED BY TIC TRK CKT	170	170	170	170
WHEN PAID	171	171	171	171
IS FURNISHED BY TIC TRK CKT	172	172	172	172
WHEN PAID	173	173	173	173
IS FURNISHED BY TIC TRK CKT	174	174	174	174
WHEN PAID	175	175	175	175
IS FURNISHED BY TIC TRK CKT	176	176	176	176
WHEN PAID	177	177	177	177
IS FURNISHED BY TIC TRK CKT	178	178	178	178
WHEN PAID	179	179	179	179
IS FURNISHED BY TIC TRK CKT	180	180	180	180
WHEN PAID	181	181	181	181
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WHEN PAID	183	183	183	183
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WHEN PAID	185	185	185	185
IS FURNISHED BY TIC TRK CKT	186	186	186	186
WHEN PAID	187	187	187	187
IS FURNISHED BY TIC TRK CKT	188	188	188	188
WHEN PAID	189	189	189	189
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WHEN PAID	191	191	191	191
IS FURNISHED BY TIC TRK CKT	192	192	192	192
WHEN PAID	193	193	193	193
IS FURNISHED BY TIC TRK CKT	194	194	194	194
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IS FURNISHED BY TIC TRK CKT	196	196	196	196
WHEN PAID	197	197	197	197
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WHEN PAID	199	199	199	199
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IS FURNISHED BY TIC TRK CKT	216	216	216	216
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WHEN PAID	225	225	225	225
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WHEN PAID	227	227	227	227
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WHEN PAID	229	229	229	229
IS FURNISHED BY TIC TRK CKT	230	230	230	230
WHEN PAID	231	231	231	231
IS FURNISHED BY TIC TRK CKT	232	232	232	232
WHEN PAID	233	233	233	233
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WHEN PAID	235	235	235	235
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WHEN PAID	237	237	237	237
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WHEN PAID	239	239	239	239
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WHEN PAID	241	241	241	241
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WHEN PAID	255	255	255	255
IS FURNISHED BY TIC TRK CKT	256	256	256	256
WHEN PAID	257	257	257	257
IS FURNISHED BY TIC TRK CKT	258	258	258	258
WHEN PAID	259	259	259	259
IS FURNISHED BY TIC TRK CKT	260	260	260	260
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WHEN PAID	265	265	265	265
IS FURNISHED BY TIC TRK CKT	266	266	266	266
WHEN PAID	267	267	267	267
IS FURNISHED BY TIC TRK CKT	268	268	268	268
WHEN PAID	269	269	269	269
IS FURNISHED BY TIC TRK CKT	270	270	270	270
WHEN PAID	271	271	271	271
IS FURNISHED BY TIC TRK CKT	272	272	272	272
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IS FURNISHED BY TIC TRK CKT	274	274	274	274
WHEN PAID	275	275	275	275
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WHEN PAID	277	277	277	277
IS FURNISHED BY TIC TRK CKT	278	278	278	278
WHEN PAID	279	279	279	279
IS FURNISHED BY TIC TRK CKT	280	280	280	280
WHEN PAID	281	281	281	281
IS FURNISHED BY TIC TRK CKT	282	282	282	282
WHEN PAID	283	283	283	283
IS FURNISHED BY TIC TRK CKT	284	284	284	284
WHEN PAID	285	285	285	285
IS FURNISHED BY TIC TRK CKT	286	286	286	286
WHEN PAID	287	287	287	287
IS FURNISHED BY TIC TRK CKT	288	288	288	288
WHEN PAID	289	289	289	289
IS FURNISHED BY TIC TRK CKT	290	290	290	290
WHEN PAID	291	291	291	291
IS FURNISHED BY TIC TRK CKT	292	292	292	292



FIG. B (MFR DISC)  
NO. 552A, 552D, 556A OR 665A  
SWITCHBOARD APPLIQUE CKT

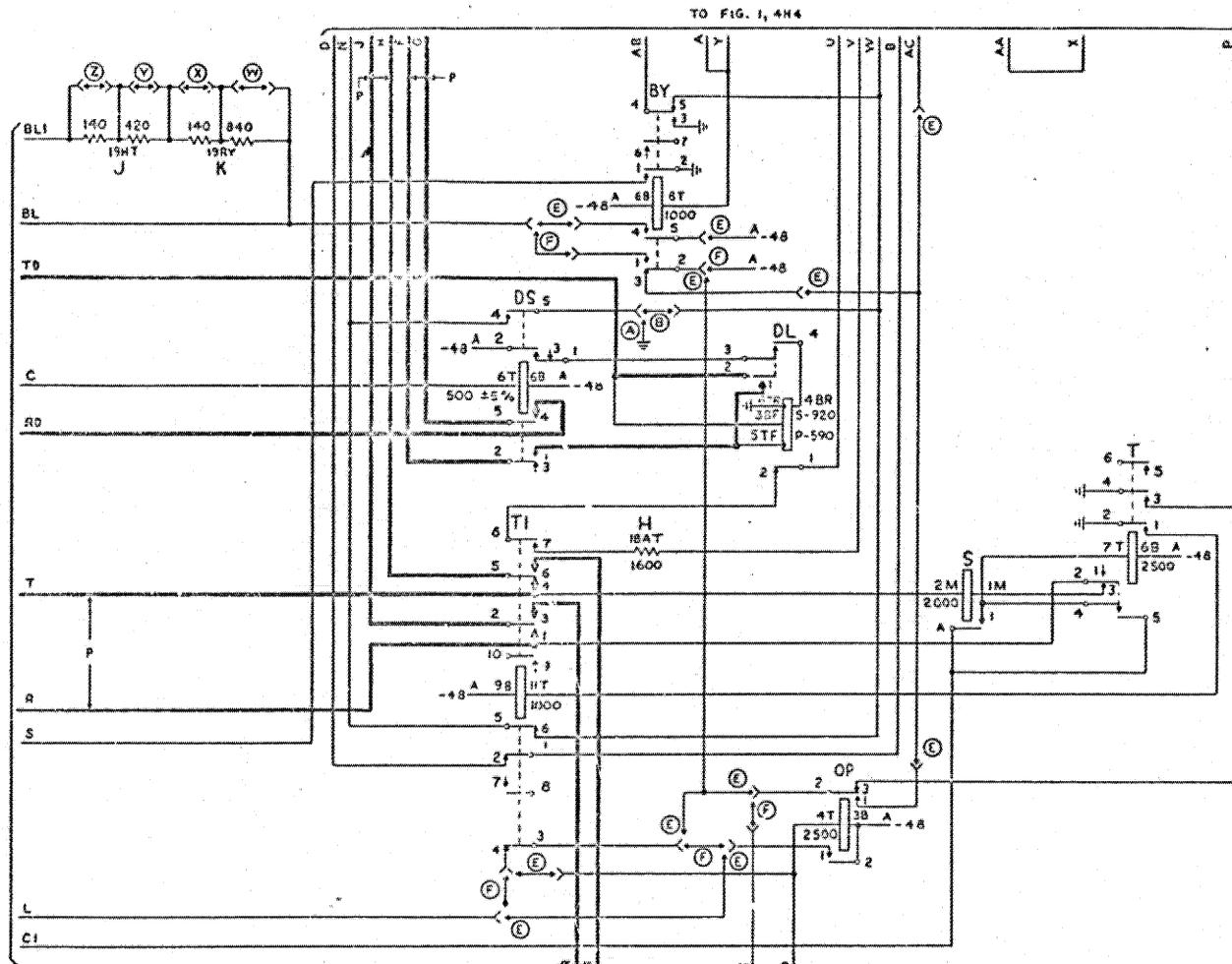
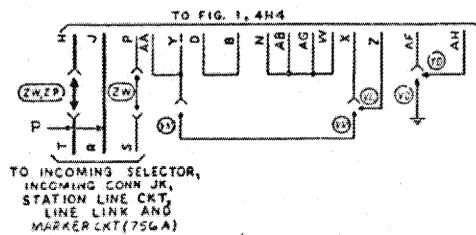


FIG. A (MFR DISC)  
NO. 711A, 711B, 740E OR 755A  
WITHOUT ATTENDANT SWITCHBOARD APPLIQUE CKT



PBX SYSTEMS  
TIE TRUNK CIRCUIT

DELL TELEPHONE LABORATORIES  
INCORPORATED

SD-65718-0105

6S

DRAWING	130
ISSUE	14A
NO.	160
REV.	

16

FIG. C (A&M ONLY)  
 NO. 606A, 606B, 607A, 608A, 608B, OR 608D  
 SWITCHBOARD APPLIQUE CKT

TO RING LEAD CKT (701A, 701B,  
 711A, 711B) TO TONE, RING &  
 INTER. CKT (740E) OR TO  
 ALARM CKT (740E)  
 (SEE NOTE 310)

TO FIG. 1, 4H4 OR TO TIE TRK ACCESS CKT (TOUCH-TONE)

TO 4 WIRE TERM.  
 SET & PAD CONT  
 CKT OR TO  
 FIG. 21, 14E7

TO FIG. 6, 9B1,  
 FIG. 7, 9D1, OR  
 UNIVERSAL  
 JK (MULTI/ANS) CKT

TO NIGHT  
 ALARM CKT

TO FIG. 12, 14E2  
 OR UNIVERSAL JK  
 (THRU) CKT

TO FIG. E, 9H5,  
 OR FIG. F, 9H1

TO INC SEL JK OR  
 TO 4 WIRE TERM.  
 SET & PAD CONT  
 CKT OR TO  
 FIG. 21, 14C7

TO INC SEL  
 INC COVN JK  
 OR TO STATION

TO POWER RING CKT (701A, 701B,  
 711A, 711B), TONE, RING & INTER. CKT  
 (740E) OR TO ALARM CKT (740E)  
 (SEE NOTE 310)

IL OR IND TO FIG. 11, 13F8, IDLE TRK  
 INDICATING CKT OR  
 TO AUX SIG, FUSE ALM, BAT.  
 CUTOFF & MISC CKT

BL OR IND TO FIG. 10, 13G8, AC LAMP  
 RELAY CKT OR TO AUX  
 SIG, FUSE ALM,  
 BAT. CUTOFF & MISC CKT

DRAWING	
ISSUE	DATE
13B	11/2
14A	1/2
16D	1/2
17B	1/2
19D	1/2
22D	1/2
22AC	1/2

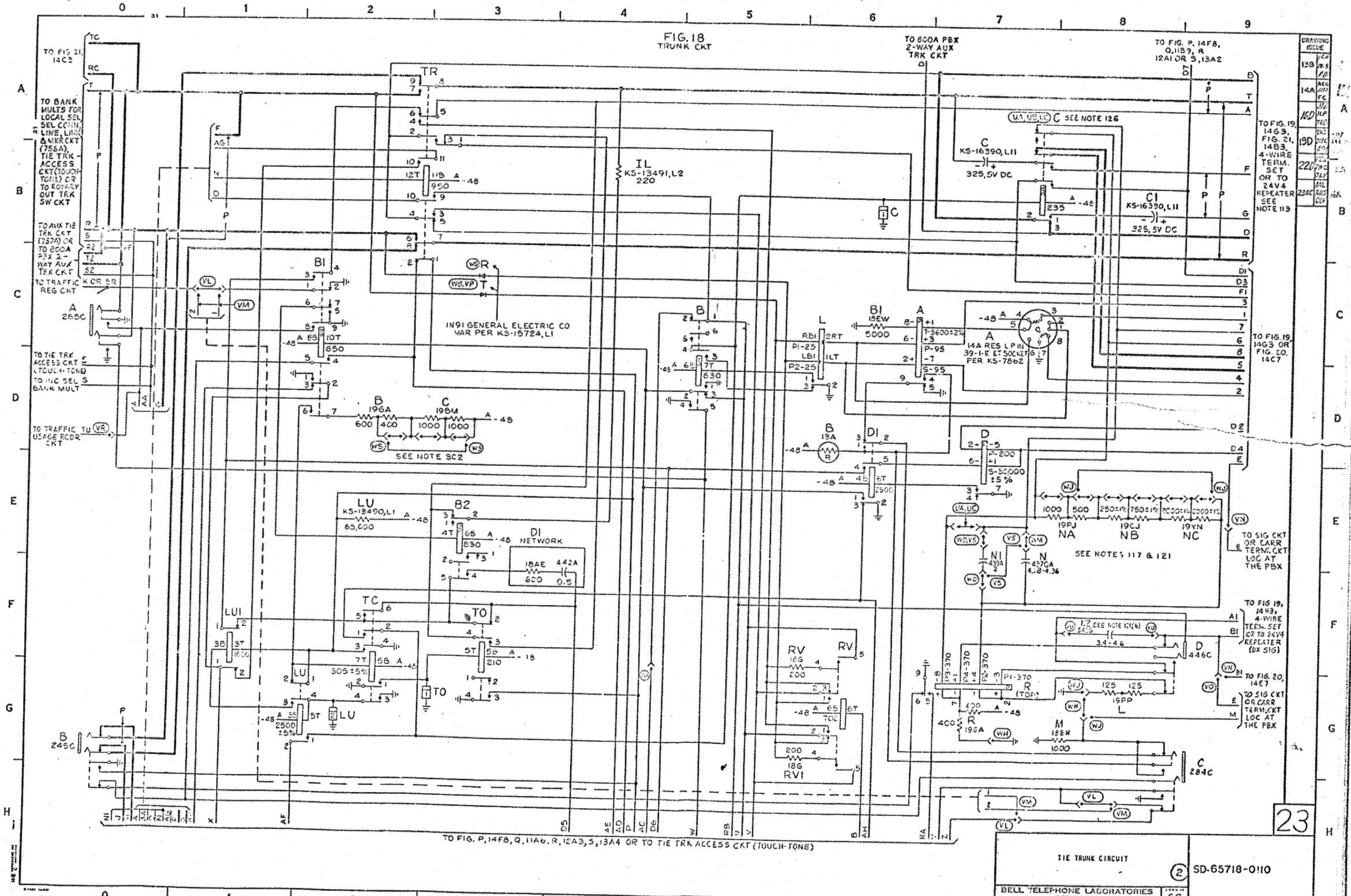
SD-C71C-0106







FIG. 18  
TRUNK CKT

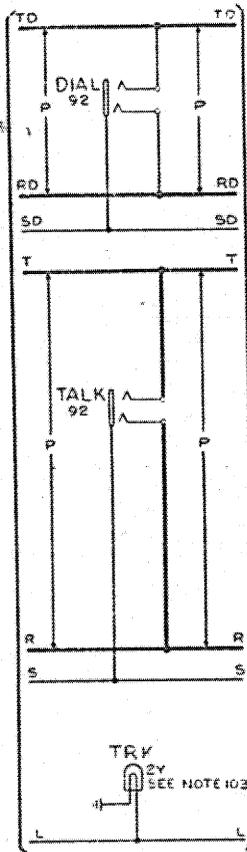


DRAWING	ISSUE
135	1/22
136	1/22
137	1/22
138	1/22
139	1/22
140	1/22
141	1/22
142	1/22
143	1/22
144	1/22
145	1/22
146	1/22
147	1/22
148	1/22
149	1/22
150	1/22
151	1/22
152	1/22
153	1/22
154	1/22
155	1/22
156	1/22
157	1/22
158	1/22
159	1/22
160	1/22
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162	1/22
163	1/22
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165	1/22
166	1/22
167	1/22
168	1/22
169	1/22
170	1/22
171	1/22
172	1/22
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174	1/22
175	1/22
176	1/22
177	1/22
178	1/22
179	1/22
180	1/22
181	1/22
182	1/22
183	1/22
184	1/22
185	1/22
186	1/22
187	1/22
188	1/22
189	1/22
190	1/22
191	1/22
192	1/22
193	1/22
194	1/22
195	1/22
196	1/22
197	1/22
198	1/22
199	1/22
200	1/22

SD-65718-0110



FIG. 9  
JACK AND LAMP CKT  
WITH LINE LAMP  
IN MULT SPACE

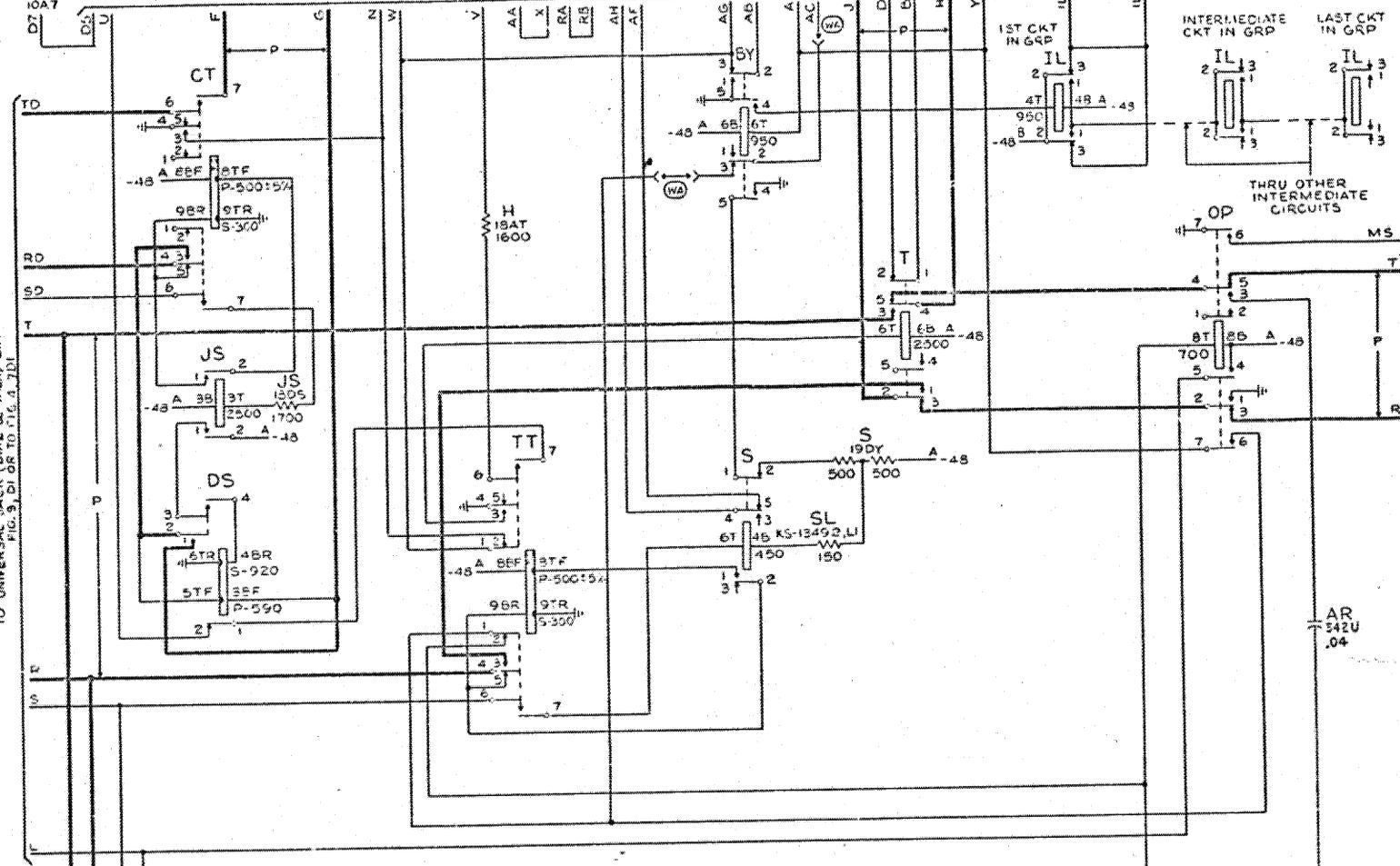


TO SUCC  
FIG 9

TO FIG 16,  
10A7

TO FIG 18, 10H3

TO FIG 11,  
13F8



TO FIG. R, D, I, D, 7 DI OR TO PREC FIG 9  
TO UNIVERSAL JACK (DIAL & TALK) CKT  
FIG. 3, DI OR TO FIG. 4, 7 DI

TO FIG. 3,  
7H1

S TO FIG. 12, 14E2 OR TO  
UNIVERSAL JK (THRU) CKT

TO FIG. 21,  
14E7

BS TO  
NIGHT ALARM  
CKT

TO FIG. 21, 14CT,  
OR  
TO INC SEL JK

TO RING, FAD CKT (701A, 701B,  
711A, 711B) TONE RING & INTER.  
CKT (7400) OR TO ALM CKT (740C)  
(SEE NOTE 310)

THRU OTHER  
INTERMEDIATE  
CIRCUITS

TO POWER RING CKT (701A, 701B, 711A,  
711B) TONE RING & INTER CKT (740C)  
OR TO ALM CKT (740E) (SEE NOTE 310)

TO INC SEL, INC CONN JK  
OR TO STATION LINE CKT

AR  
542U  
.04

14A	14B	14C	14D	14E	14F	14G	14H
15A	15B	15C	15D	15E	15F	15G	15H

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PDS SYSTEMS TIE TRUNK CIRCUIT		SD-65718-0112
BELL TELEPHONE LABORATORIES INCORPORATED		

SH-65718-0112



FIG. 21  
TRANSMISSION PAD & PAD  
CONTROL CKT

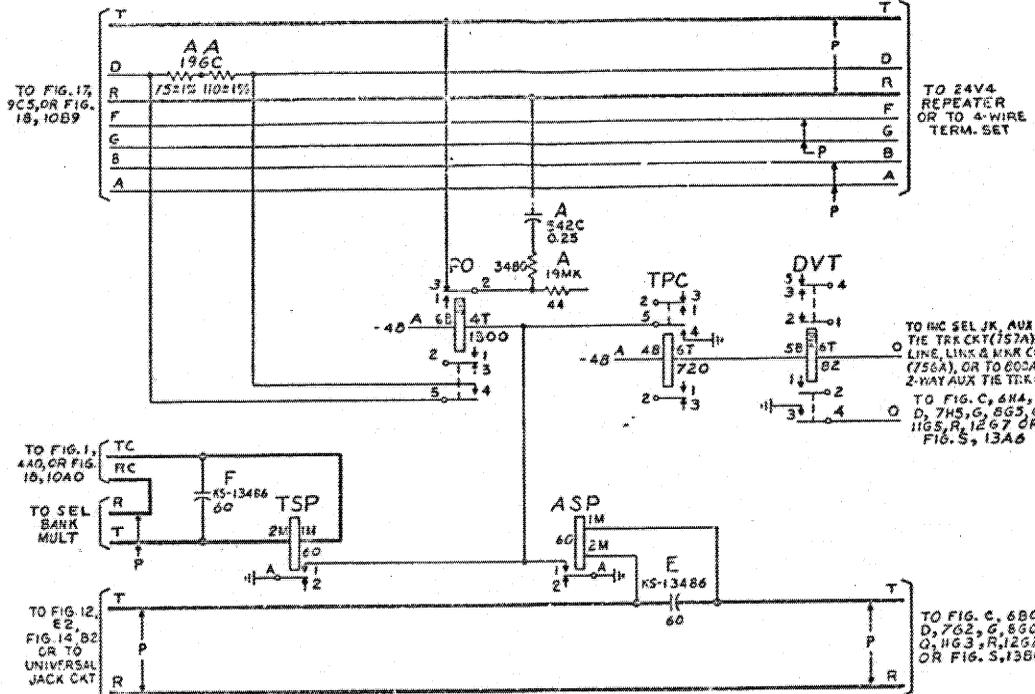


FIG. 20  
INDUCTOR CKT

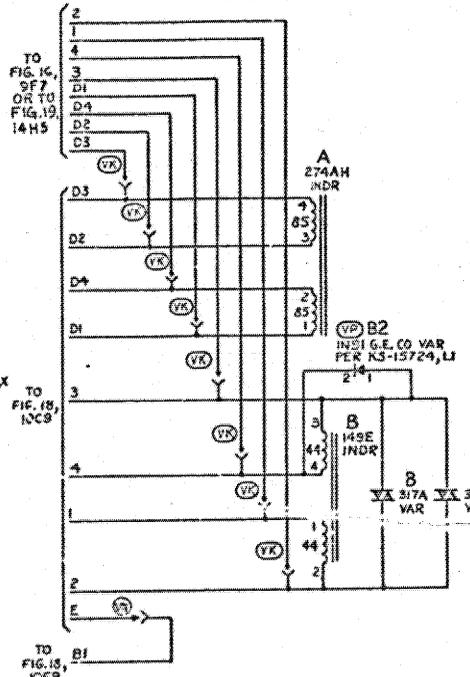


FIG. 14  
THRU JK CKT

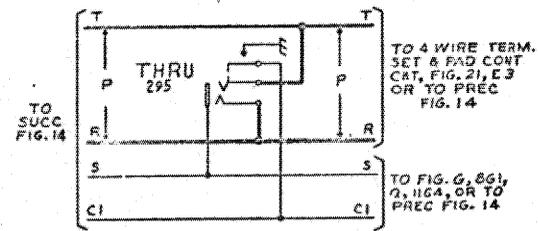


FIG. 12  
THRU JK CKT FOR  
USE WITH MULT CKT

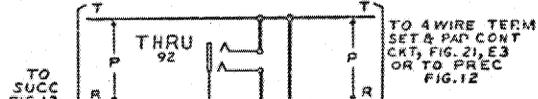


FIG. 13  
THRU JK CKT FOR  
USE WITH SEPARATE  
ANS JK

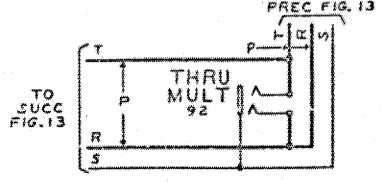


FIG. 19  
TRANSFORMER CKT

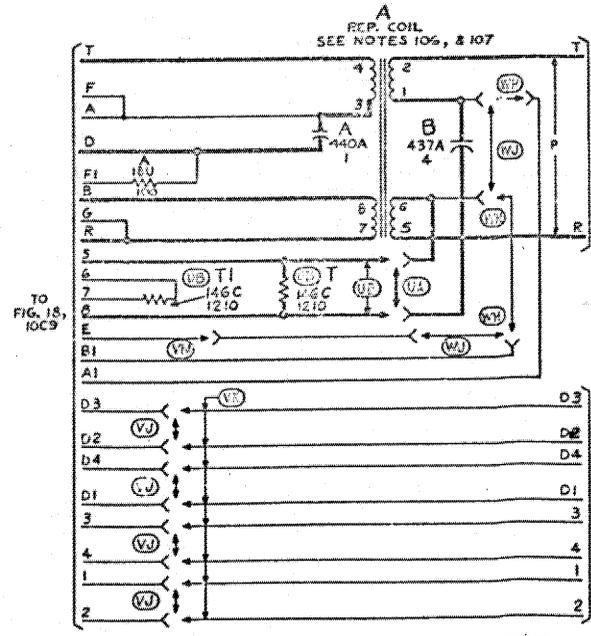
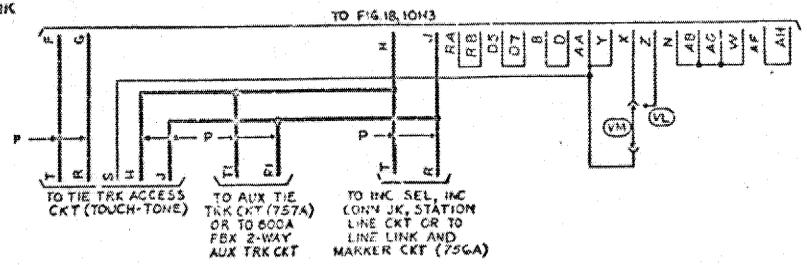


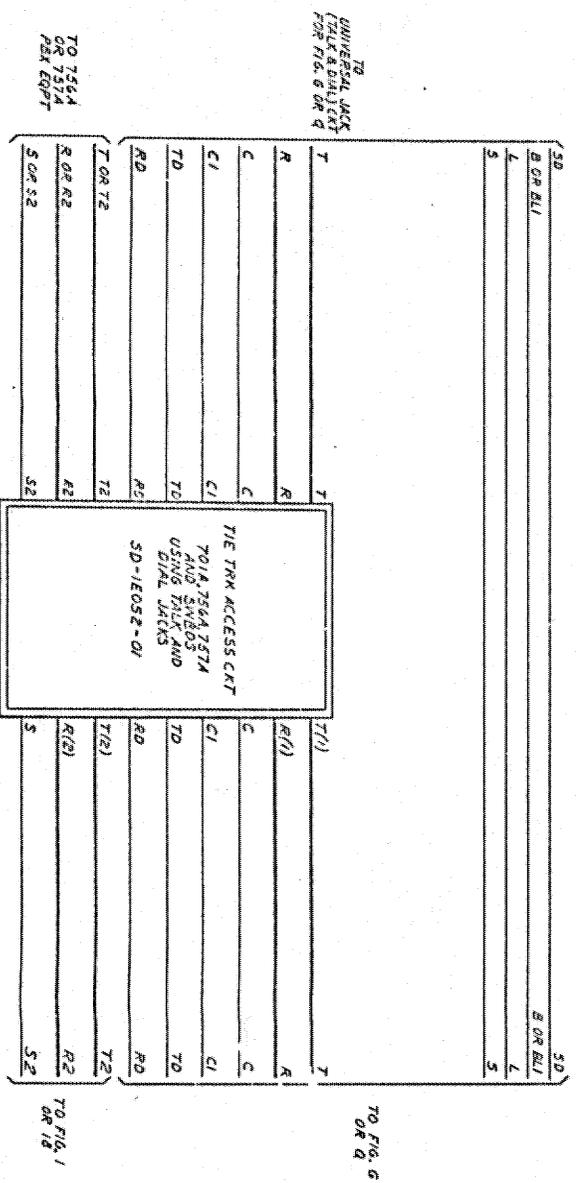
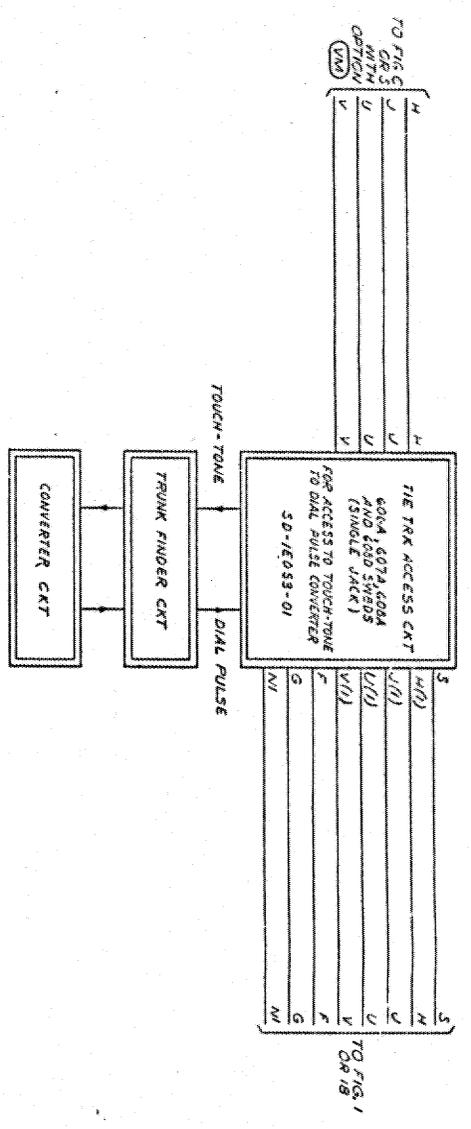
FIG. P  
NO. 71A, 71B, 740E, 756A, OR 757A  
WITHOUT ATT SWBD  
APPLIQUE CKT







TOUCH-TONE TO DIAL PULSE CONVERSION



- EQUIPMENT NOTES:
201. GROUNDS FOR (1ND) AND (1RK) LEADS ARE MADE AT THE SHOD AT LEAD SOCKS: HOORINGS.
  202. PRIOR TO ISSUE 48 THIS LEAD WAS NOT SHOWN.
  203. TO OBTAIN MINIMUM VERTICAL SPACE REQUIREMENTS FOR THE JACK ARRANGEMENTS IN THE SWITCHBOARD, THE VARIOUS JACKS OF THIS CIRCUIT ARE NORMALLY LOCATED ON THE SAME JACK HOORING THUS INVOLVING THE SAME SWITCHBOARD CABLE AS SHOWN.
  204. WHEN USED WITH A 795A PEX THE TRUNK UNITS ARE HOORING ON SLIDE 2 IN THE PEX CABINET IF SPACE IS AVAILABLE.
  205. WHEN USED WITH A 795B PEX, REMOVE COVER CAP ASSEMBLY FURNISHED WITH 280 TYPE RELAYS, AND REPLACE WITH P50394 COVER CAP ASSEMBLY.
  206. THESE STRAPS ARE APPLIED TO THE (NA), (NB) AND (NC) RESISTORS AS PER CIRCUIT NOTE 117.
  207. THESE STRAPS ARE APPLIED TO THE (B) AND (C) RESISTORS AS PER INFORMATION NOTE 302.
  208. ON ISSUE 138, EA OPTION HOOKED LEADS ON BOTH SIDE OF TERMINAL 32 TO TERMINAL 24. TERMINAL 32 IS NOW USED FOR THE AN LEAD FOR 2ND CIRCUIT.
  209. SWITCHBOARD APPLIQUE UNITS PER FIG. 6 MANUFACTURED PRIOR TO ISSUE 214C AND EQUIPPED WITH RELAY (RA) MAY BE APPLIED WITHOUT MODIFICATION IN CONNECTION WITH THE RELAY EXCEPT WHERE STATIONS ARE TO BE PERMITTED TO DIAL THROUGH THE COB CIRCUIT ON A RANDOM TYPE CALL. IN SUCH CASES RELAY (RA) SHOULD BE MADE INEFFECTIVE IN THE FOLLOWING MANNER BY THE INSTALLER.  
 OMIT 8A, 8B, 8C, 8D AND 8E LEADS BETWEEN TERMINALS 12, 11, 8, 10 AND 9 OF T.S.(B), CAD 30 AND TERMINALS 12, 13, 16 AND 17 OF T.S.(A), CAD 36 AND TERMINAL 17 OF T.S.(B), CAD 36.  
 CONNECT TERMINAL 12 OF T.S.(A) TO TERMINAL 13 OF T.S.(A), CAD 36.  
 CONNECT TERMINAL 16 OF T.S.(A) TO TERMINAL 17 OF T.S.(B) CAD 36.

THE TRUNK CIRCUITS  
 BELL TELEPHONE LABORATORIES  
 SD-65718-0117  
 6S

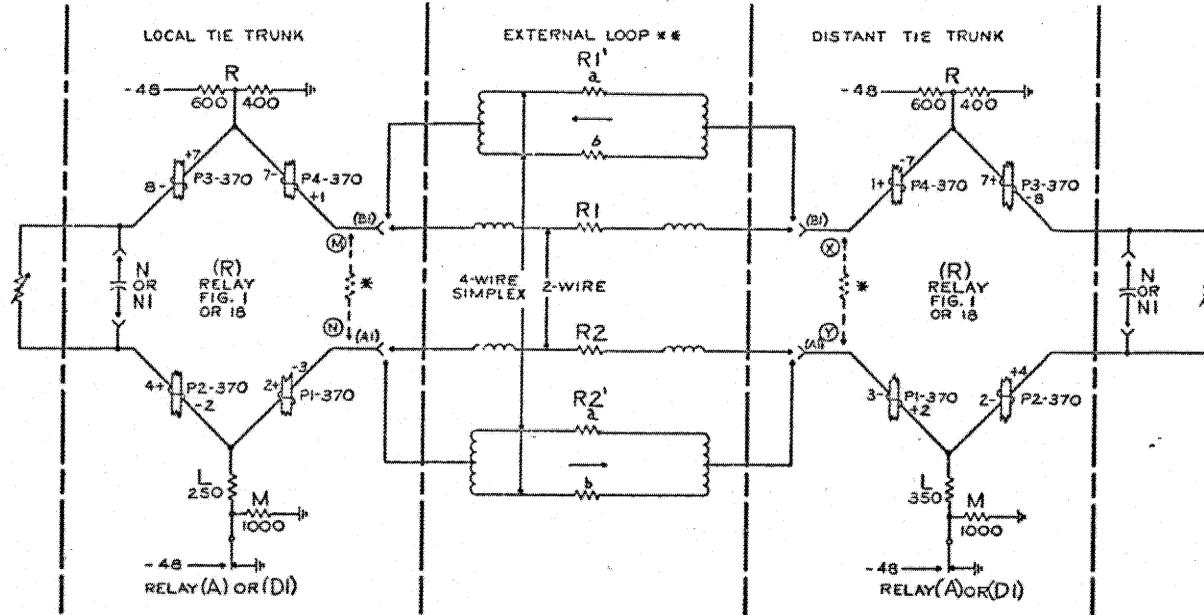
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INFORMATION NOTES: (CONT)

311.  
(CONT)

DX SIGNALING LOOP CKT (OPTION H OR WH)  
SEE NOTES 1 & 2

A  
B  
C  
D  
E  
F  
G  
H



SHEET NOTES:

1. WHEN ARRANGED FOR DX SIGNALING, (R) RELAY, THE (NA), (NB) AND (NC) RESISTORS, AND THE EXTERNAL LOOP PORTION OF THE VOICE CIRCUIT ARE WIRED TO FUNCTION SIMILAR TO A WHEATSTONE BRIDGE CIRCUIT. WHEN WIRED AS SHOWN, TWO SEPARATE BRIDGE CIRCUITS ARE EMPLOYED, WITH THE EXTERNAL LOOP PROVIDING A COMMON PATH FOR TWO LEGS OF EACH BRIDGE CIRCUIT. THE LINE BALANCING NETWORK OF EACH BRIDGE (CONSISTING OF (NA), (NB) AND (NC) RESISTORS AND (N) AND (NI) CAPACITORS) SHOULD BE WIRED TO MATCH THE ELECTRICAL CHARACTERISTICS OF THE VOICE LOOP, PLUS 1250±125 OHMS (SEE NOTE 2) TO INSURE THAT LINE IMPULSES CAUSED BY (A) AND (D) RELAY CONTACT CLOSURES DO NOT CAUSE INADVERTANT OPERATION OF RELAY (R) DURING SIGNALING.

2. \* THE EQUIVALENT CIRCUIT RESISTANCE BETWEEN (M) AND (M) AS SEEN FROM LOCAL TIE TRUNK, AND (X) AND (X) AS SEEN FROM DISTANT TIE TRUNK DURING SIGNALING IS 1250 ± 125 OHMS.

\*\* EXTERNAL LOOP RESISTANCE COMPUTED AS FOLLOWS:

2-WIRE -  $R_1 + R_2$

4-WIRE -  $R_1' + R_2'$  WHERE  $R_1'$  AND  $R_2' = \frac{a \cdot b}{a + b}$

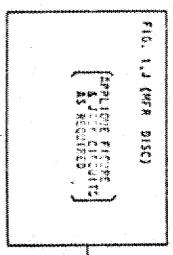
OR WHERE TRANSMITTER AND RECEIVER CABLE CONDUCTOR RESISTANCE DOES NOT DIFFER BY MORE THAN 5%  
 $\frac{a + b}{2}$

138	139	140	141
142	143	144	145
146	147	148	149
150	151	152	153
154	155	156	157
158	159	160	161

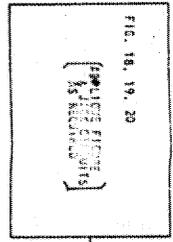
SD-65710-0118

**BD 2**  
2-WIRE OR 4-WIRE TRUNK FACILITY  
WITH OR WITHOUT PAD CONTROL

2-WIRE FACILITY

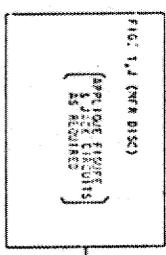


TO TRUNK

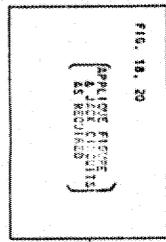


TO TRUNK

4-WIRE FACILITY, NO PAD CONTROL

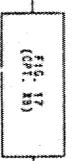
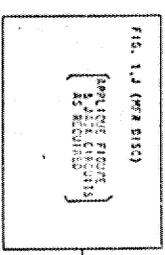


NO NO. 1 TRUNK TERM. SET  
OR EQUIVALENT

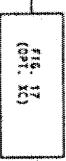


NO NO. 1 TRUNK TERM. SET  
OR EQUIVALENT

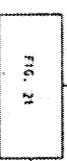
4-WIRE FACILITY, WITH PAD CONTROL



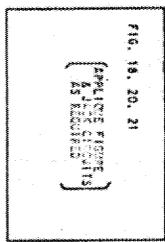
NO NO. 1 TRUNK TERM. SET  
OR EQUIVALENT



NO NO. 1 TRUNK TERM. SET  
OR EQUIVALENT



NO NO. 1 TRUNK TERM. SET  
OR EQUIVALENT



NO NO. 1 TRUNK TERM. SET  
OR EQUIVALENT

SD-65710-0119

1-6 TRUNK CIRCUIT

SD-65710-0119

22

FIG. 1, J (W/R DISC)  
(APPLICABLE FIGURES AS REQUIRED)



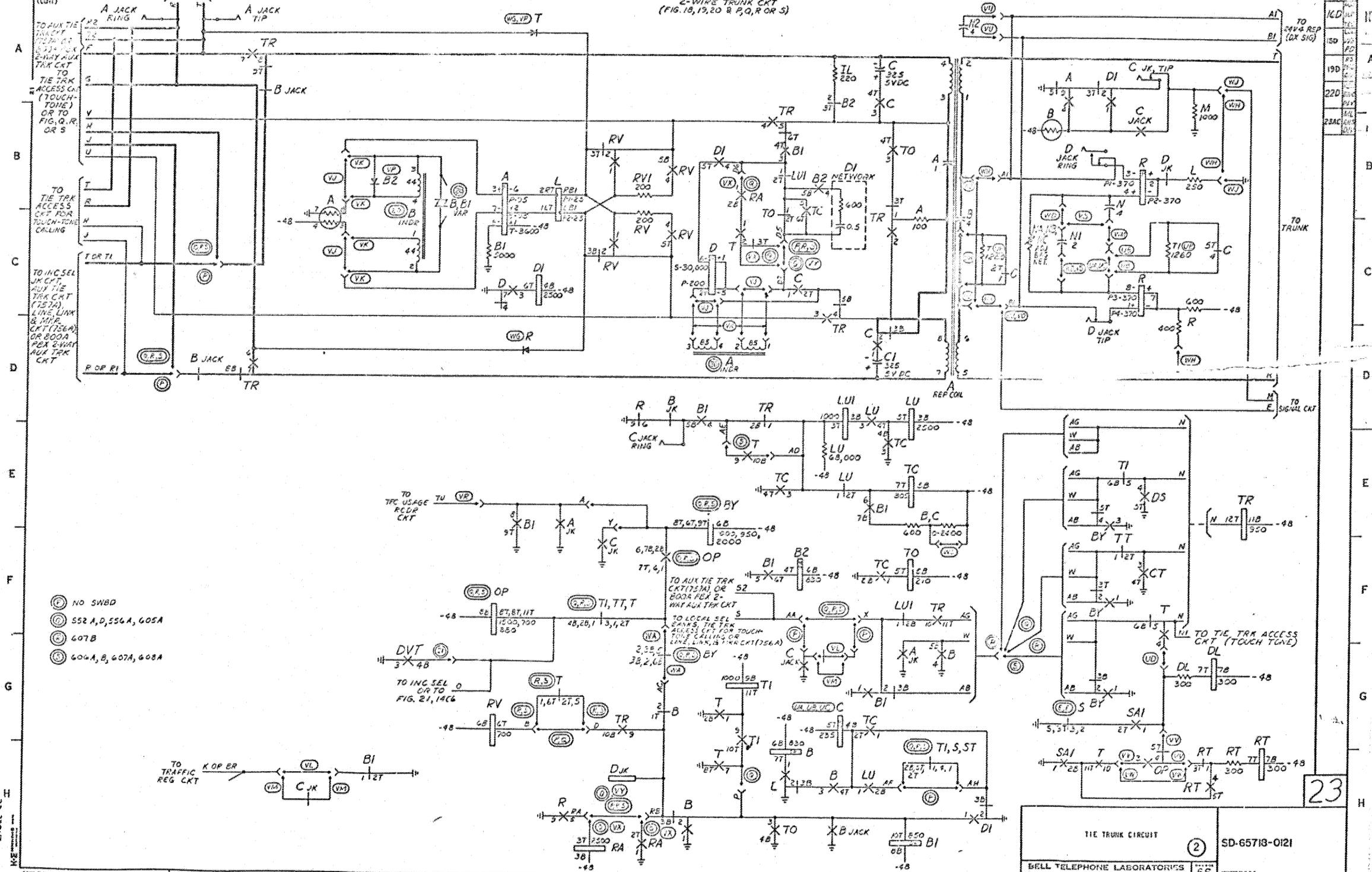
0 1 2 3 4 5 6 7 8 9

INFORMATION ONLY (LEFT)  
312.  
(GHT)

TO BANK MULT FOR LOCAL SEL BANKS  
OR LINE, LINK & MHR CKT (756A)

### THEORY SCHEMATIC 2-WIRE TRUNK CKT (FIG. 18, 19, 20 & P, Q, R OR S)

16D	17
17	18
19D	19
22D	20
23AC	21



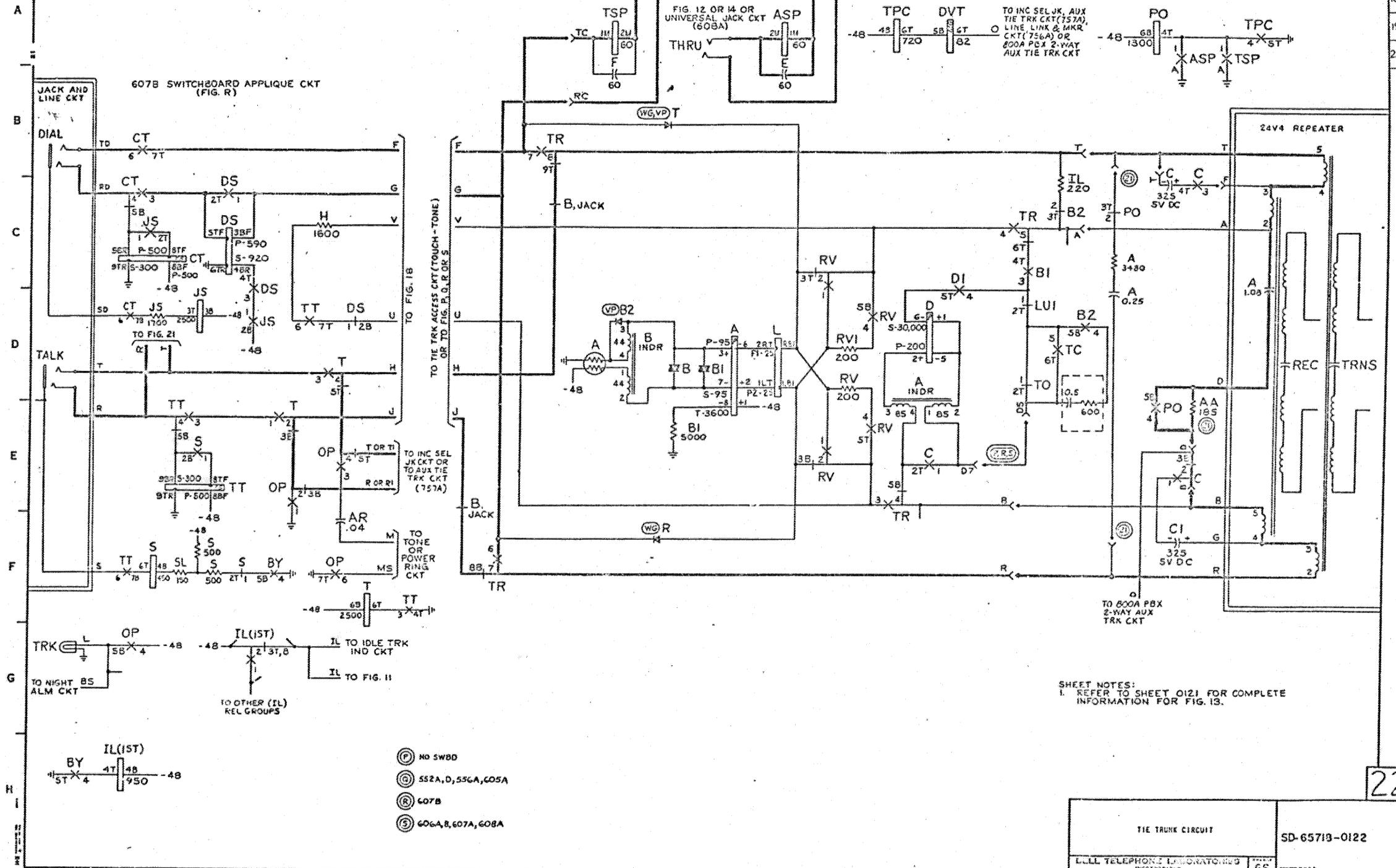
- (P) NO SWBD
- (Q) 552 A, D, 556A, 605A
- (R) 607B
- (S) 604A, B, 607A, 608A

TIE TRUNK CIRCUIT ②  
BELL TELEPHONE LABORATORIES  
INCORPORATED  
SD-65718-0121  
65

23

SD-65718-0121  
EAGLE 22

THEORY SCHEMATIC  
4-WIRE TRUNK CKT  
(FIG. 18, 20, 21)  
SEE NOTE 1



SHEET NOTES:  
1. REFER TO SHEET 0121 FOR COMPLETE INFORMATION FOR FIG. 13.

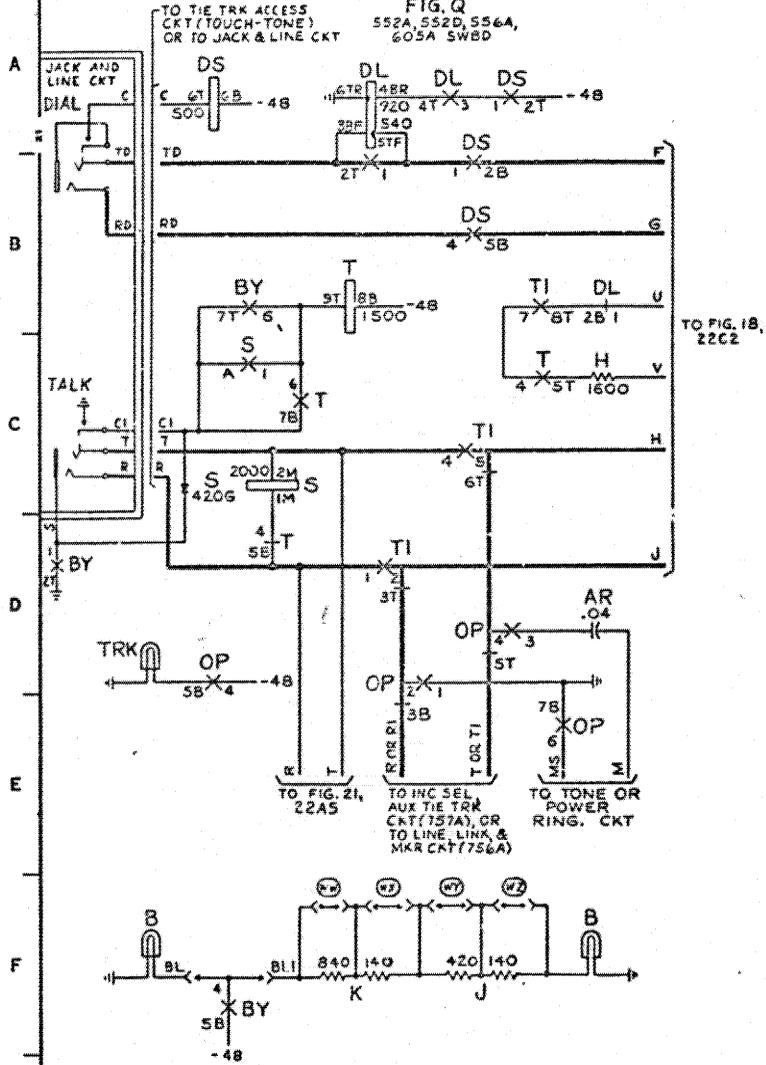
- Ⓟ NO SWBD
- Ⓢ 552A, D, 556A, 605A
- Ⓡ 607B
- Ⓢ 606A, B, 607A, 608A

INFORMATION NOTES: (CONT)

312.  
(CONT)

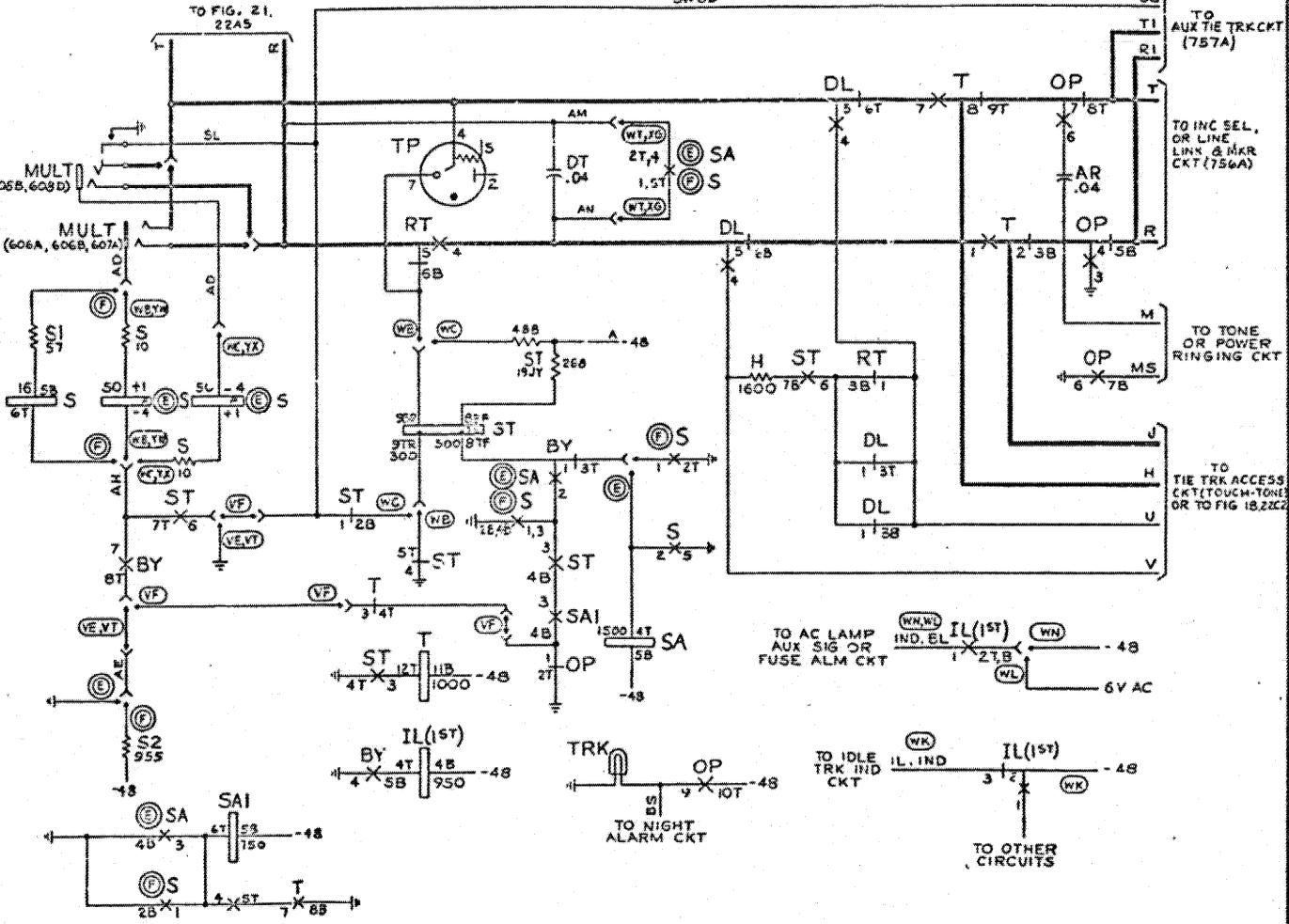
THEORY SCHEMATIC

FIG. Q  
552A, 552D, 556A,  
605A SWBD



TO FIG. 18,  
22C2

FIG. S  
606A, 606B, 607A,  
608A, 608B, 608D  
SWBD



- (E) (T, W) 606B, 607A
- (E) (V, X) 608A
- (E) 606A

22

TIE TRUNK CIRCUIT

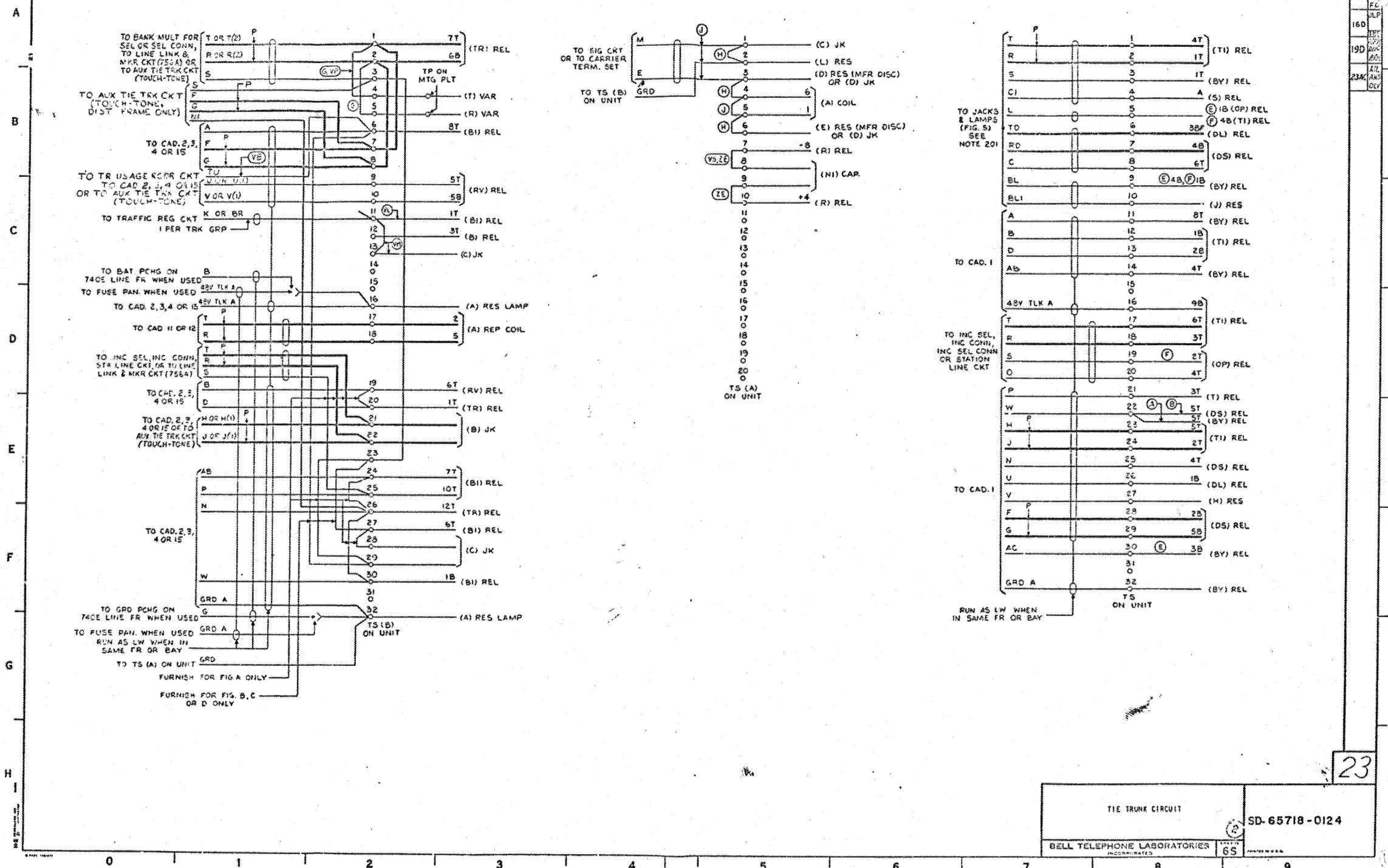
SD-65710-0123

BELL TELEPHONE LABORATORIES  
INCORPORATED

SD-65710-0123

CAD. 1 (MFR DISC)  
(FOR FIG. 1 & A)  
TRUNK COMMON

CAD. 2 (MFR DISC)  
(FOR FIG. B & C)  
TRUNK APPLIQUE FOR 552A, 552D, 556A,  
OR 625A P&Y SWED



SD-65718-0124

TIE TRUNK CIRCUIT

SD-65718-0124

BELL TELEPHONE LABORATORIES INCORPORATED

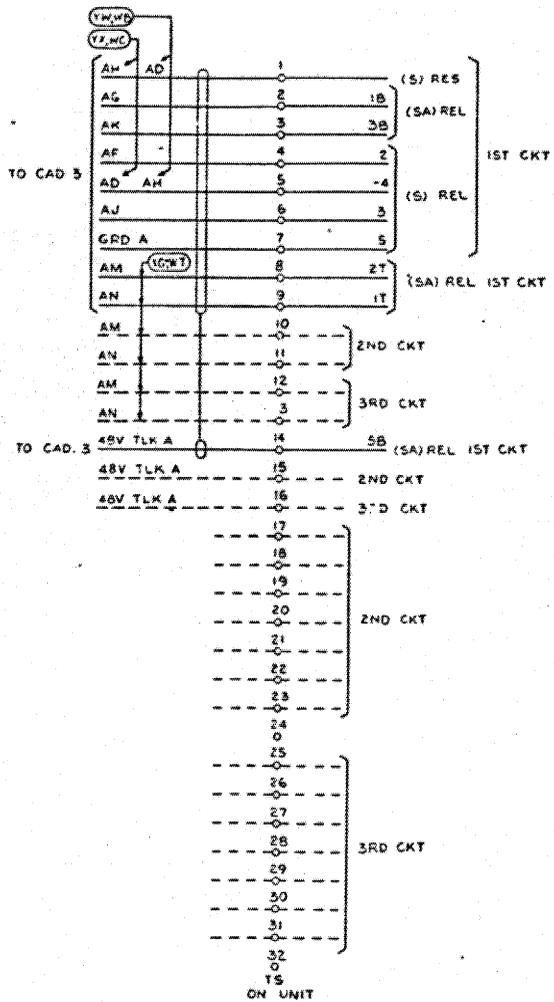
65

23



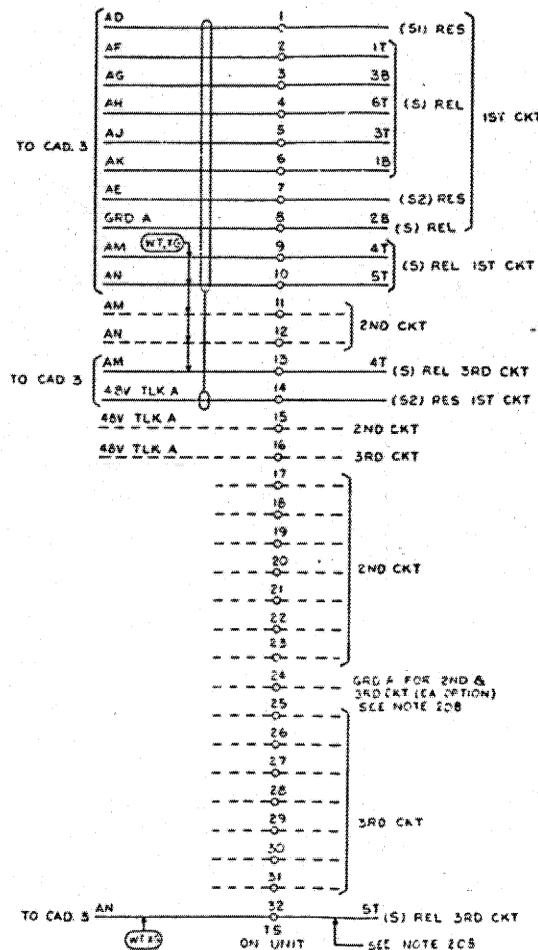
**CAD. 5 (MFR DISC.)**

(FOR FIG. E)  
TRUNK APPLIQUE FOR 606B, 607A  
OR 606A PBX SWBD



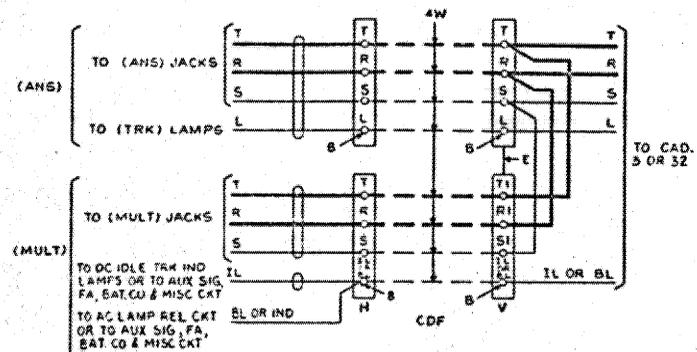
**CAD. 6 (MFR DISC.)**

(FOR FIG. F)  
TRUNK APPLIQUE FOR 606A  
PBX SWBD



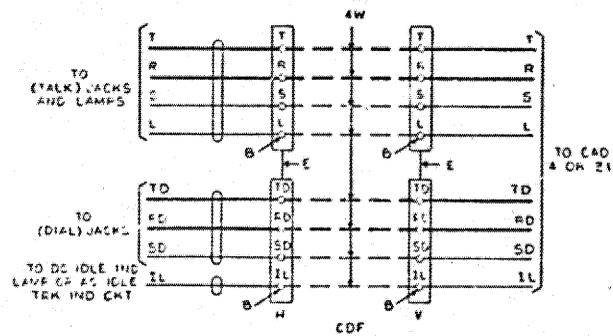
**CAD. 7**

(FOR FIG. 7, 8 & 11)  
FOR 606A, 606E OR 607A PBX  
WITH SEPARATE ANS JACKS  
SEE NOTE 201



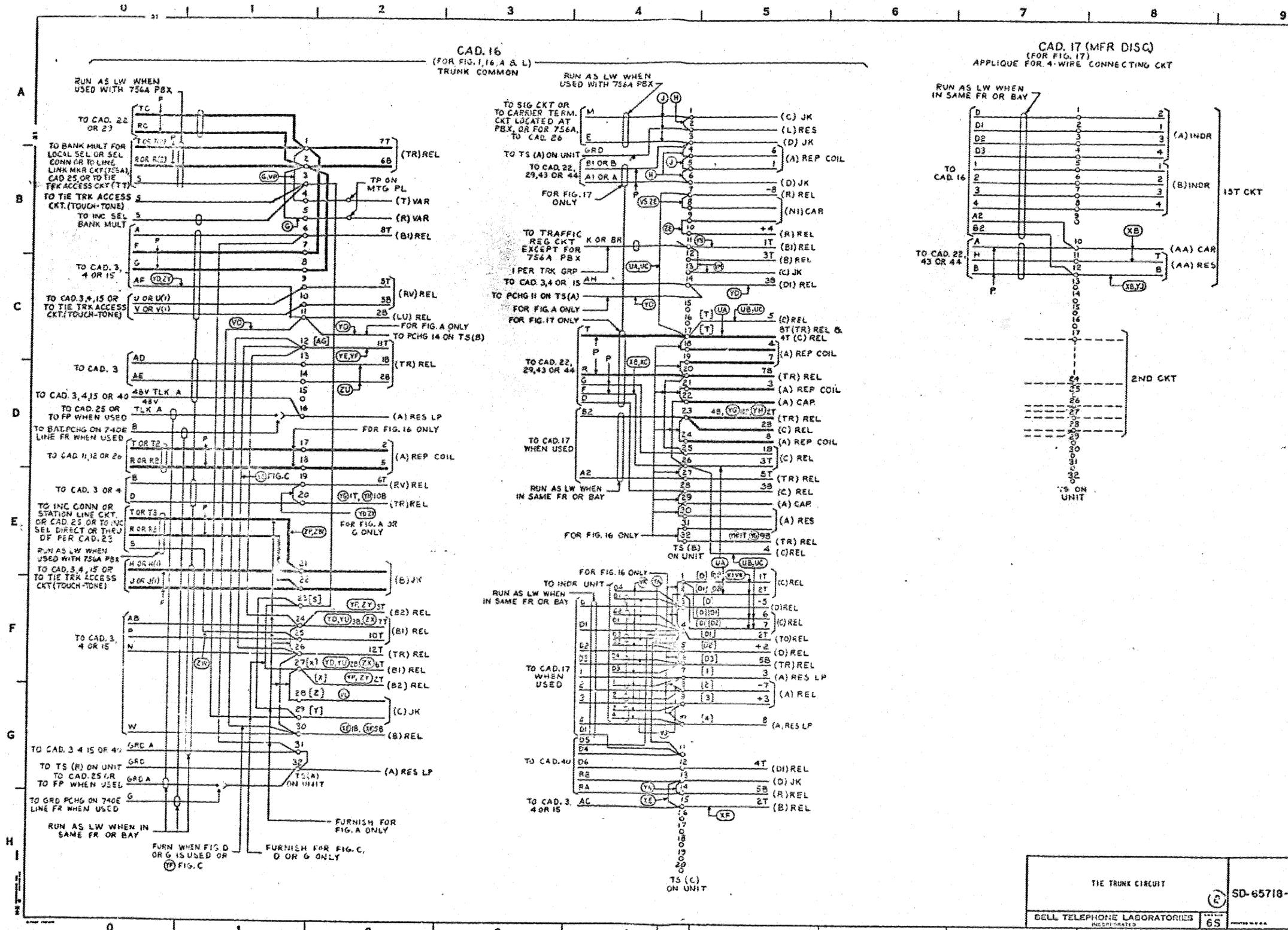
**CAD. 8**

(FOR FIG. 9 & 11)  
FOR 607B PBX WITH LINE LAMP  
IN MULTIPLE  
SEE NOTE 201



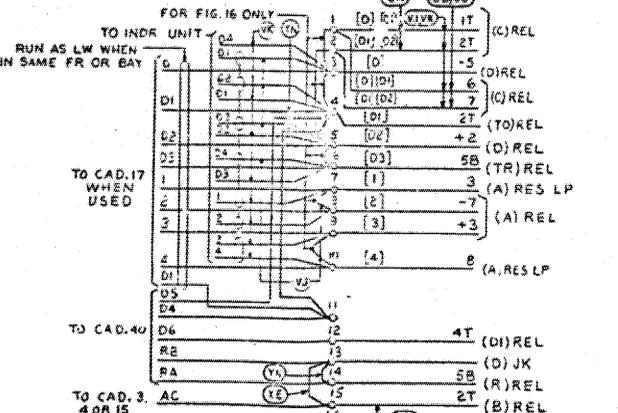
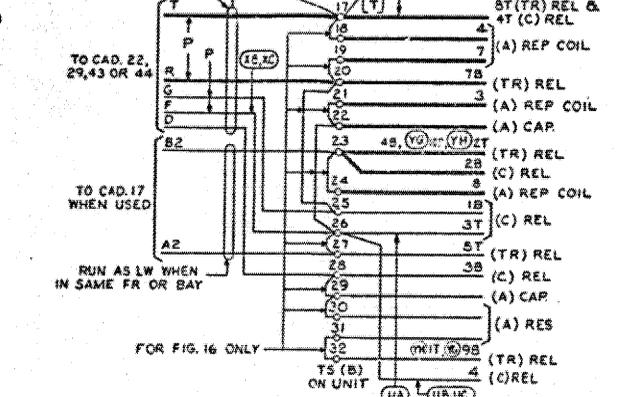
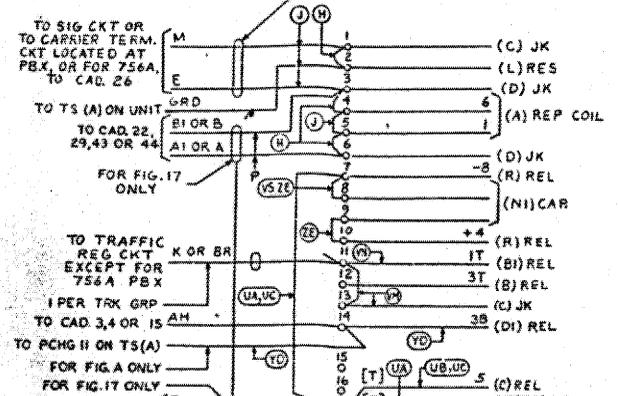
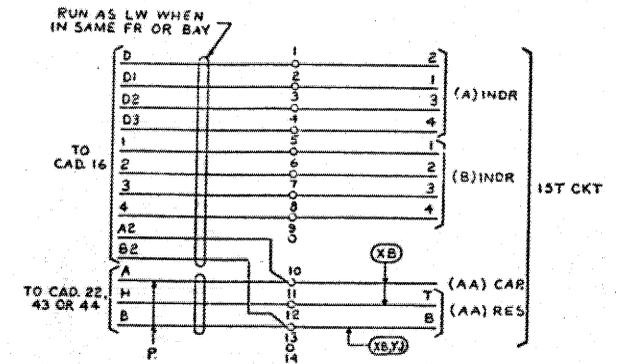
13B	13C	14A	16D
-----	-----	-----	-----





**CAD. 16**  
(FOR FIG. 1, 16, A & L)  
TRUNK COMMON

**CAD. 17 (MFR DISC)**  
(FOR FIG. 17)  
APPLIQUE FOR 4-WIRE CONNECTING CKT



DRAWING ISSUE

138	4T
140	4A
142	4C
144	4D
146	4E
148	4F
150	4G
152	4H
154	4I
156	4J
158	4K
160	4L
162	4M
164	4N
166	4O
168	4P
170	4Q
172	4R
174	4S
176	4T
178	4U
180	4V
182	4W
184	4X
186	4Y
188	4Z
190	4A
192	4B
194	4C
196	4D
198	4E
200	4F
202	4G
204	4H
206	4I
208	4J
210	4K
212	4L
214	4M
216	4N
218	4O
220	4P
222	4Q
224	4R
226	4S
228	4T
230	4U
232	4V
234	4W
236	4X
238	4Y
240	4Z

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THE TRUNK CIRCUIT

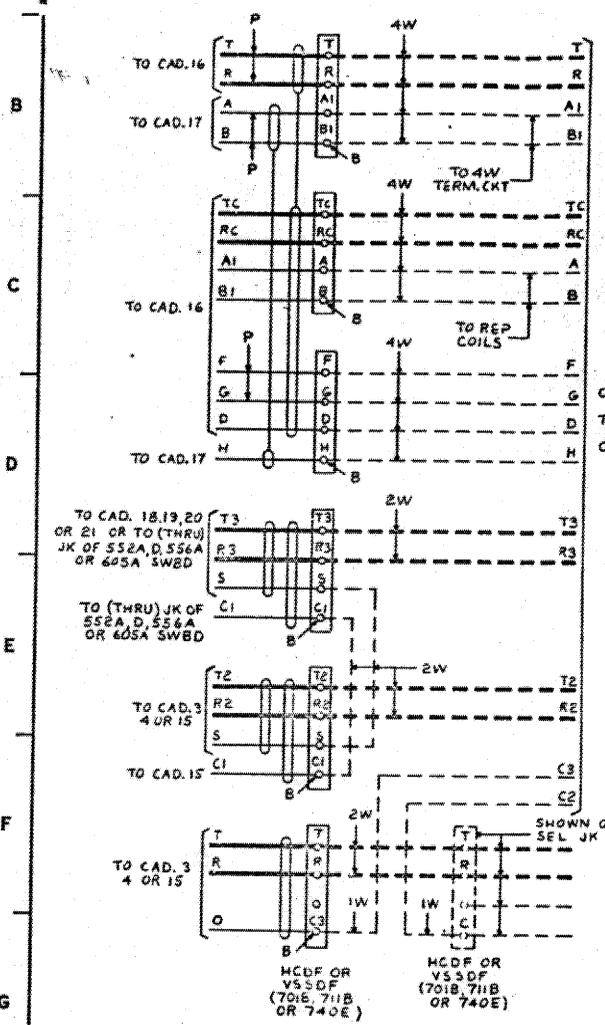
SD-65718-0128

BELL TELEPHONE LABORATORIES  
INCORPORATED



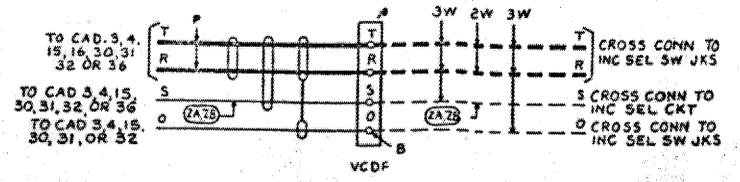
138	PC
142	PC
160	PC
190	PC
220	PC

**CAD. 22**  
OF CONNECTIONS WHEN USED  
WITH 4-WIRE TERM. SET &  
PAD CONTROL CKT

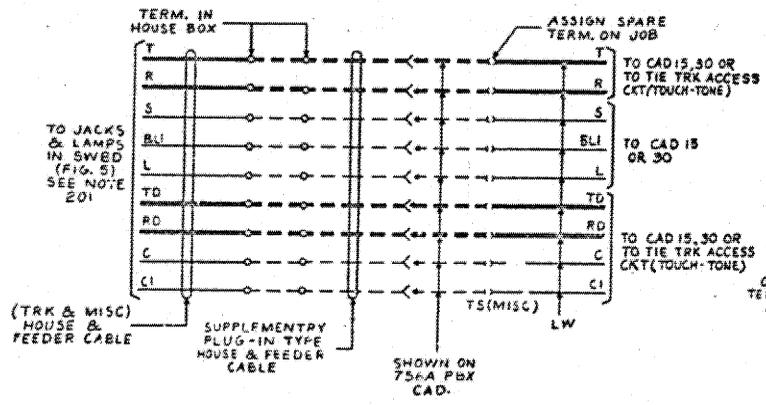


CROSS CONN  
TO 4-WIRE  
TERMINATING  
SET & PAD  
CONTROL CKT

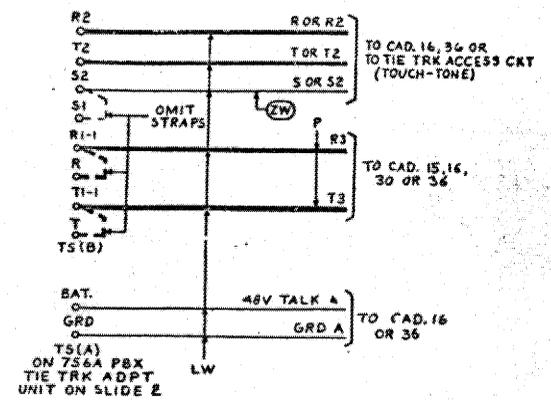
**CAD. 23**  
LEADS TO INC SEL WHEN  
TRANSMISSION PAD AND  
PAD CONTROL IS NOT USED



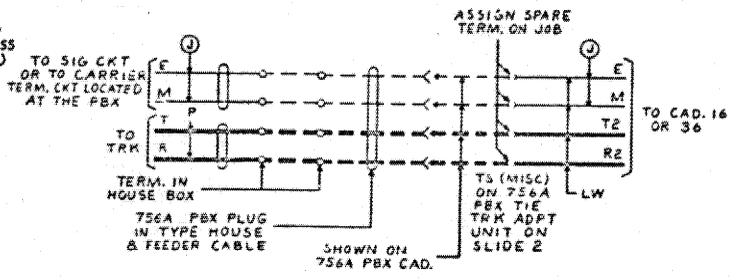
**CAD. 24**  
756A DIAL PBX WITH 556A SWBD  
LEADS TO JACK EQUIPMENT  
SEE NOTE 204



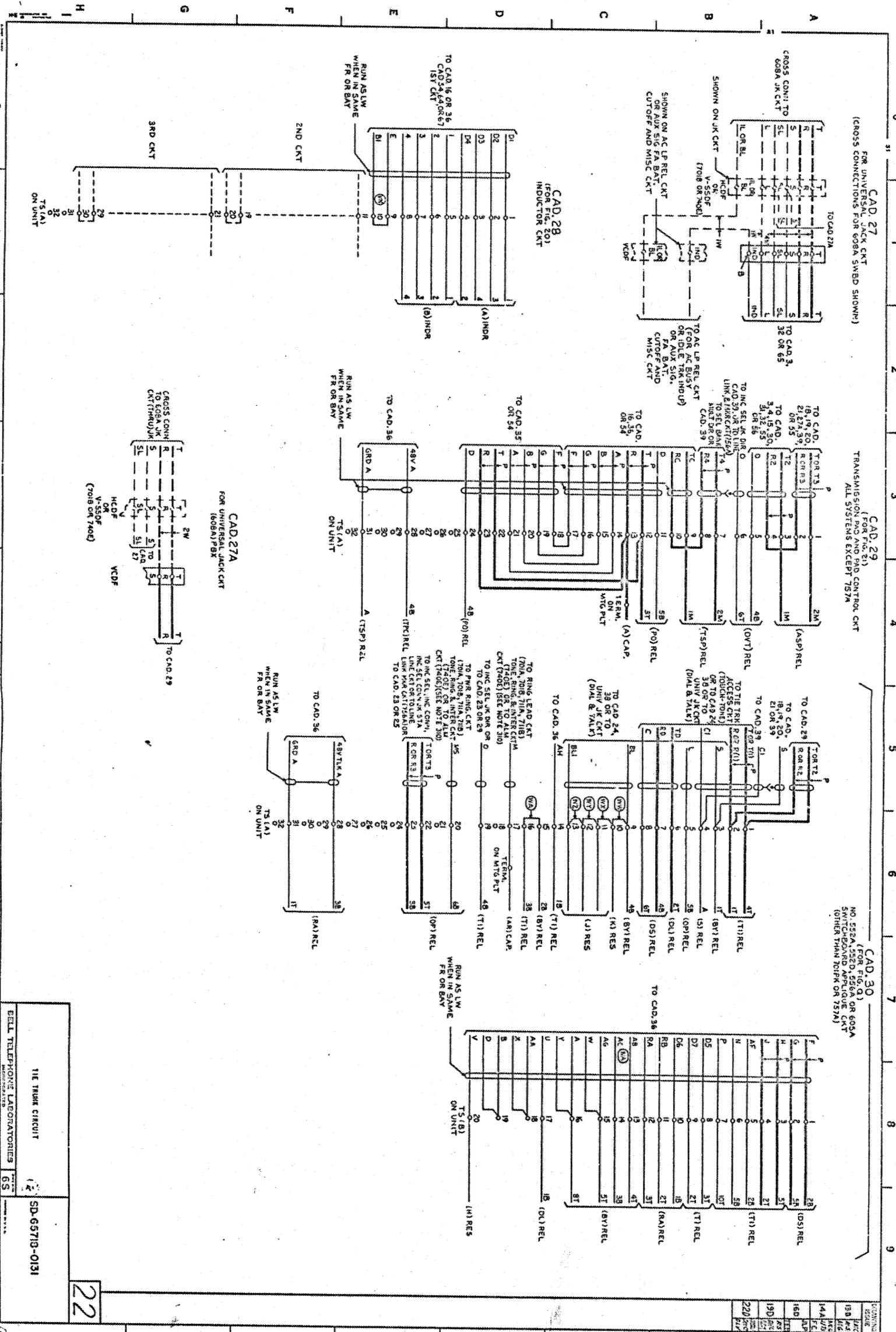
**CAD. 25**  
TRUNK CKT LEADS TO  
756A PBX LINE, LINK, &  
MARKER CKT  
SEE NOTE 204



**CAD. 26**  
LEADS TO TRUNK WHEN  
4-WIRE TERM. SET CKT  
IS NOT USED WITH 756A PBX  
SEE NOTE 204



10-814-9 US



THE THINK CIRCUIT

65

SD-65719-0131

22

144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
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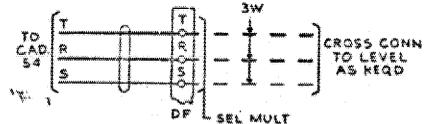




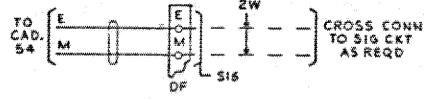




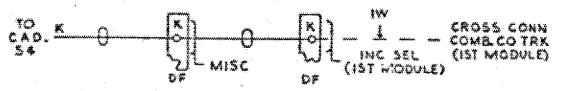
CAD.46  
(701PK OR 711PK)



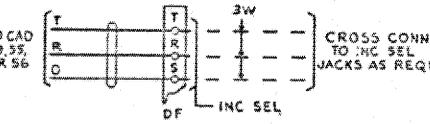
CAD.47  
(701PK OR 711PK)



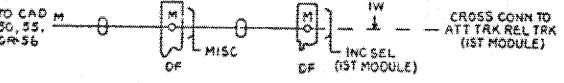
CAD.48  
(701PK OR 711PK)



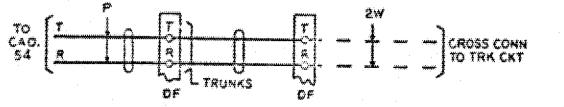
CAD.49  
(701PK OR 711PK)



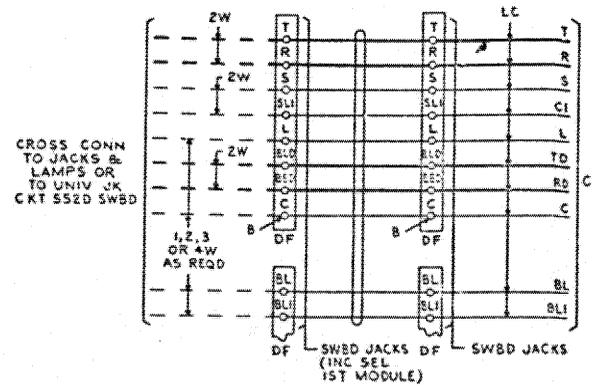
CAD.50  
(701PK OR 711PK)



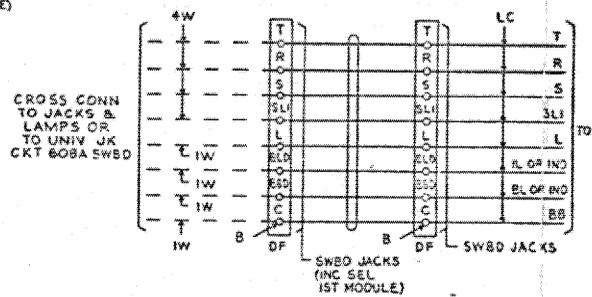
CAD.51  
(701PK OR 711PK)



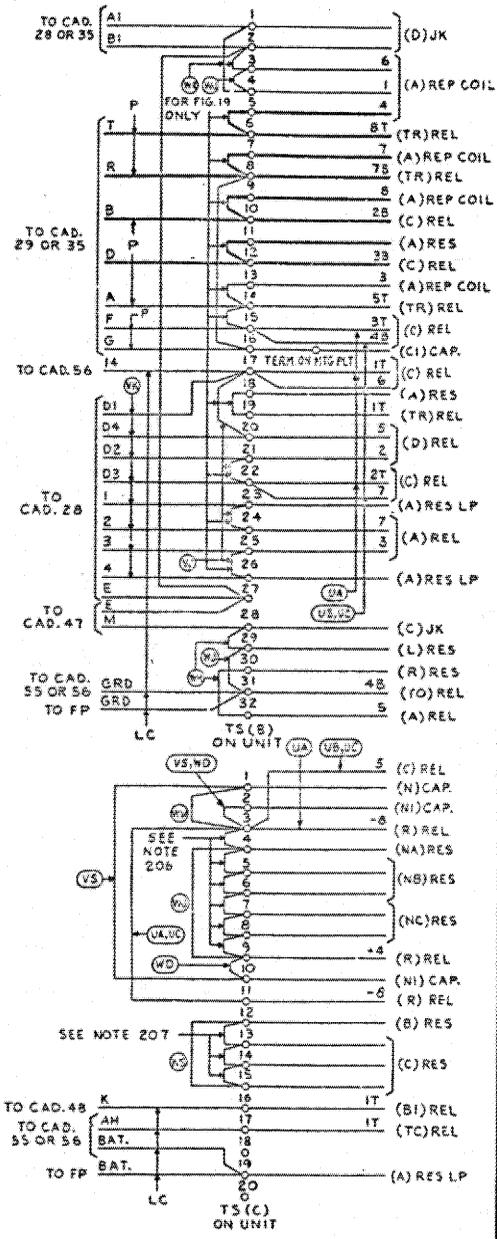
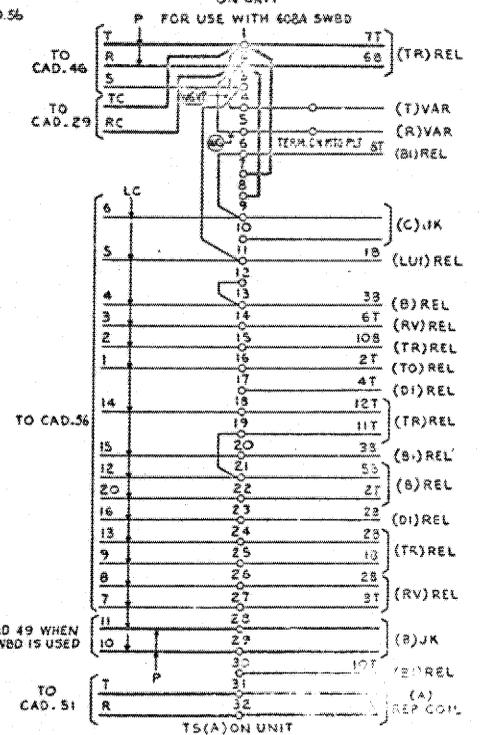
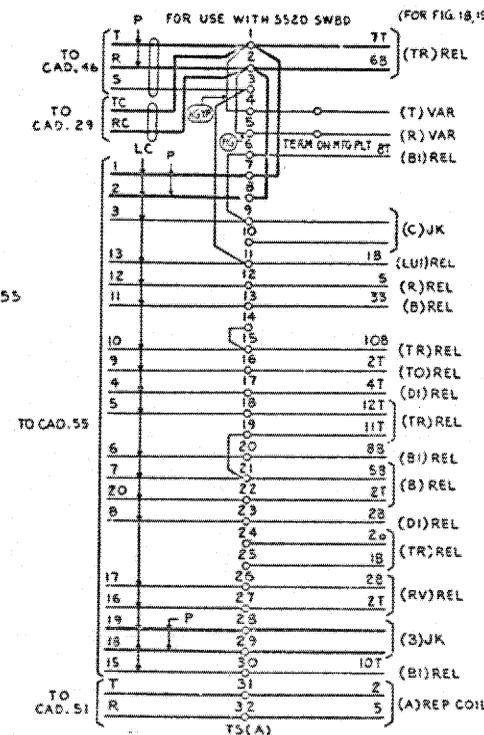
CAD.52  
(FOR FIG. Q)  
(701PK)



CAD.53  
(FOR FIG. S)  
(701PK)



CAD.54  
(701PK OR 711PK)

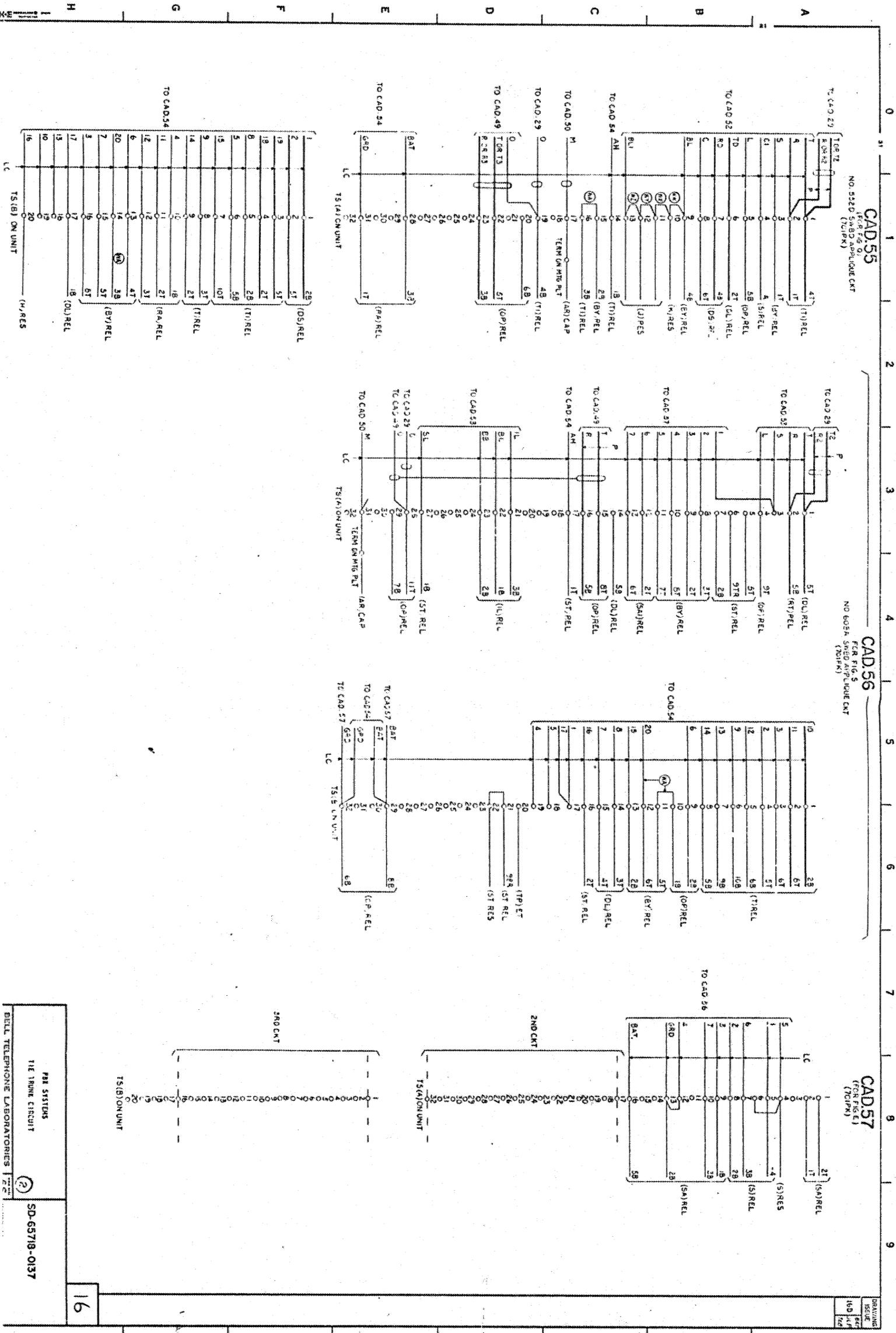


DRAWING ISSUE: 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

**CAD55**  
FOR FIG. 5  
NO. 5240 SWBD APPLICATOR CKT  
(TOP FN)

**CAD56**  
FOR FIG. 5  
NO. 5054 SWBD APPLICATOR CKT  
(TOP FN)

**CAD57**  
FOR FIG. 5  
NO. 5054 SWBD APPLICATOR CKT  
(TOP FN)



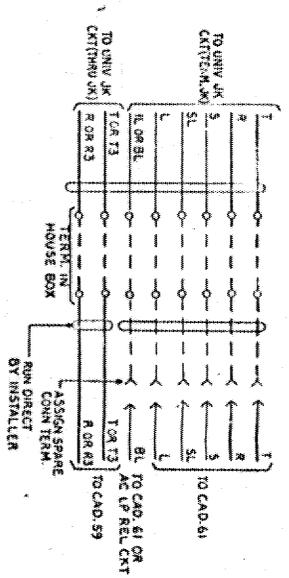
PRR SYSTEMS  
THE TRUNK CIRCUIT

SD-65718-0137

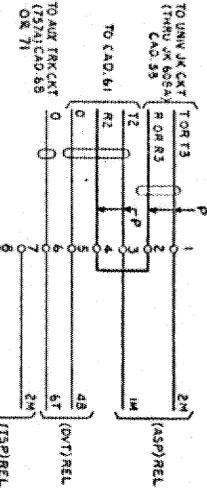
16

REVISED	DATE	BY
ISSUE	DATE	BY
NO.	DATE	BY

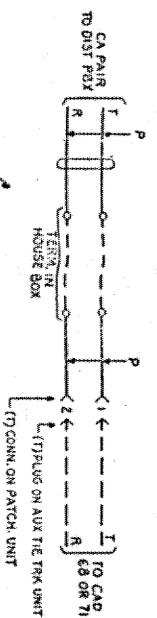
**CAD 58**  
FOR UNITS IN TRK TO DIST PBOX  
CROSS DOWN FOR BOMB SWBD SHOWN  
(737A)



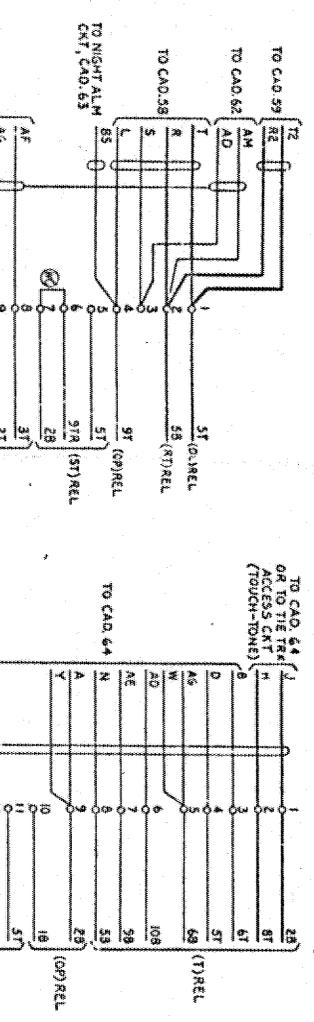
**CAD 59**  
(FOR FIG. 21)  
TRANSMISSION PAGE CONT. CMT  
(737A)



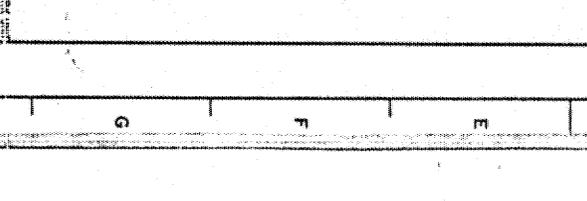
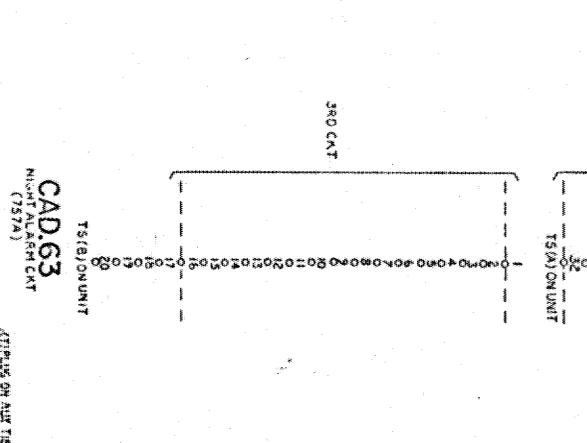
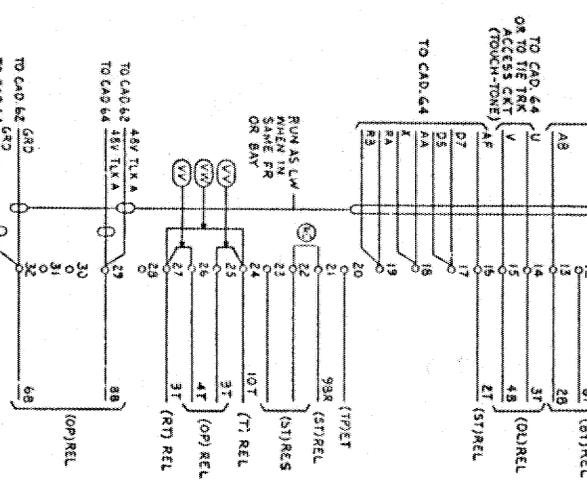
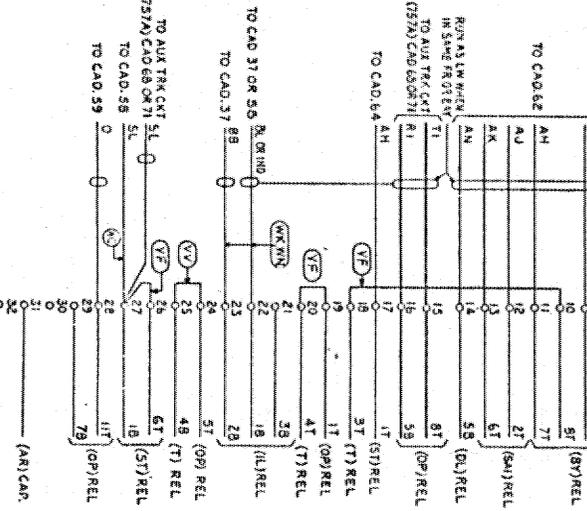
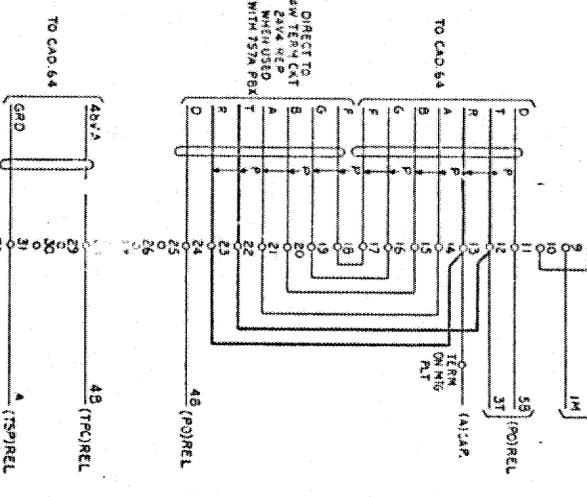
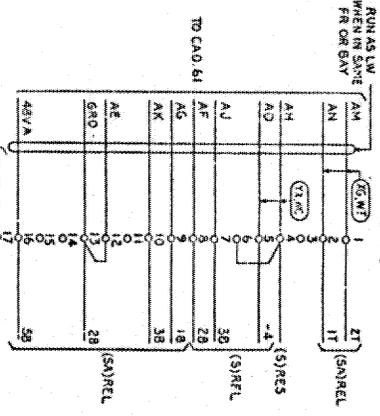
**CAD 60**  
TRK TO DIST PBOX  
(737A)



**CAD 61**  
(FOR FIG. 22)  
SWITCHES AND RELAY CMT  
(FOR SCS SWBD ONLY)  
(737A)



**CAD 62**  
(FOR FIG. 23)  
(737A)



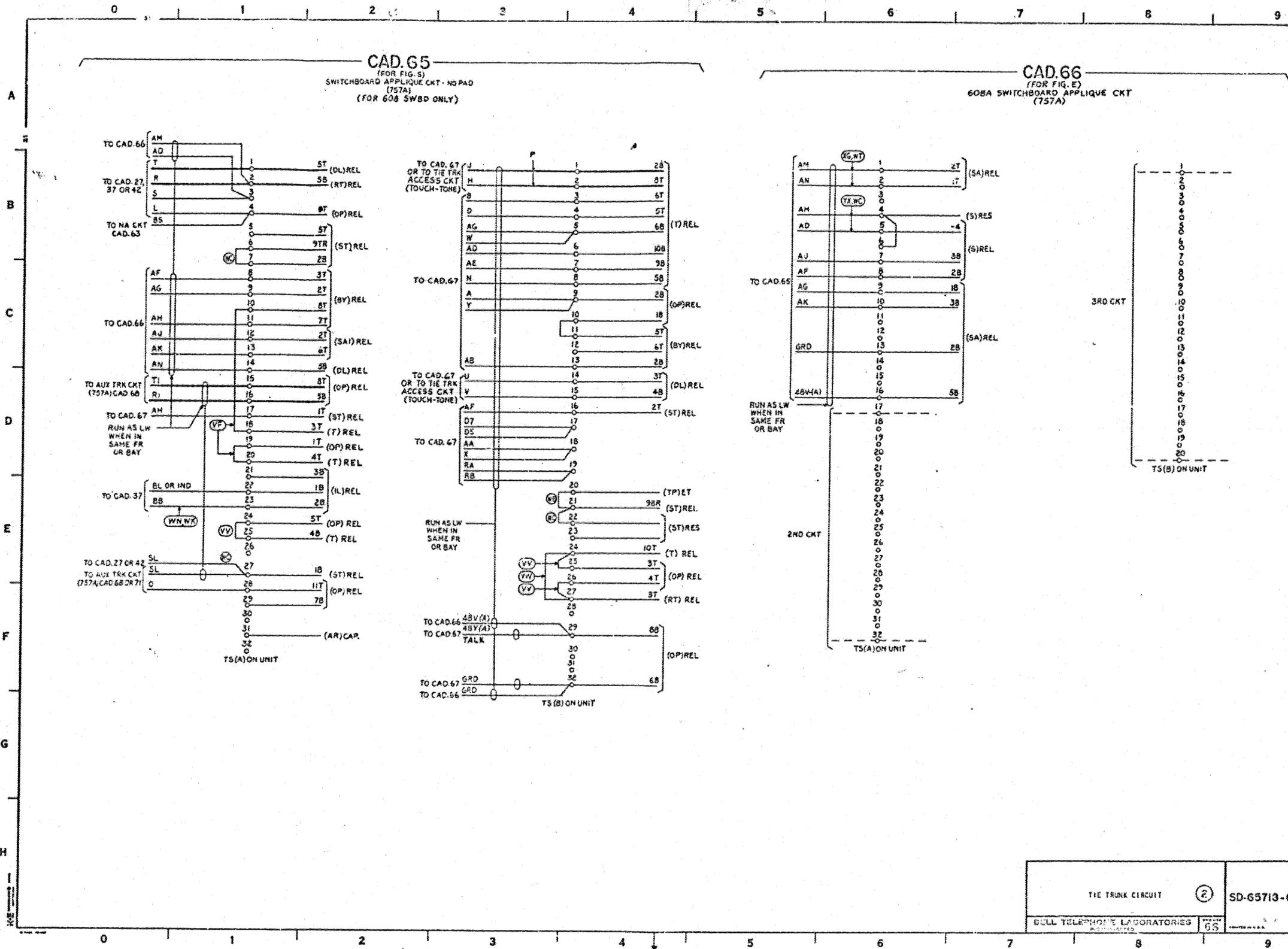
SD-65719-0133

THE TRUNK CIRCUIT  
SD-65719-0133

22

160	170	180	190	200	210	220
160	170	180	190	200	210	220
160	170	180	190	200	210	220





**CAD.65**

(FOR FIG. S)  
 SWITCHBOARD APPLIQUE CKT - NO PAD  
 (757A)  
 (FOR 608 SWBD ONLY)

**CAD.66**

(FOR FIG. E)  
 608A SWITCHBOARD APPLIQUE CKT  
 (757A)

QUANTITY	
ISSUE	REV
140	REV
170	REV
190	REV
220	REV

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