

CIRCUIT NOTES:

DESIG	AMP	POTENTIAL FUSED	ONE PER
A	1-1/3	35 OR 40V SIG	2 FIGS. 1
B	1-1/3	35 OR 40V SIG THRU BAT. CUT- OFF	2 FIGS. 1
* IN THE 552B OR 552E SWBD, FUSE DESIGNATED 'A' SHALL BE OBTAINED FROM THE BAT. BUS BAR THRU BAT. CUTOFF.			
BATTERY SYMBOL -48		VOLTAGE RANGE 32-52	

FEATURE OR OPTION		PROVIDE	
		FIG.	QUANTITY
552A, 552B, 552D, 552E, OR 605A	CENTRAL OFFICE TRK CKT	1	J, Q 1 PER CKT
	NIGHT JACK	4	WHEN REQD
	JACK CIRCUIT	2	1 PER JACK APPEARANCE
	TRUNK LAMP	44-52V	R MAX 5
	TRUNK LAMP	32-46V	S MAX 5
	BUSY LAMP FOR CENTRAL OFFICE TRUNK	SERIES GROUP (SEE NOTES 105 & 106)	V
		NO. OF BUSY LAMP IN FULL GROUP	8
		44-52V	11
		LAST LAMP IN GROUP	T
605B, 607A, OR 607E	CENTRAL OFFICE TRUNK CIRCUIT	1	H, K 1 PER CKT
	JACK CIRCUIT	3	1 PER JACK APPEARANCE
	TRUNK LAMP		MAX 6
606A, 608B, OR 608D	CENTRAL OFFICE TRK CKT (SEE NOTE 107)	1	F, J, N 1 PER CKT
701A, 701B, 701PK, OR 740E	INTERCEPTING TRUNK CKT WHEN USED WITH	552A, 552D, OR 605A	1, 2 J, Q 1 PER CKT
		607A OR 607B	1, 3 H, K 1 PER CKT
		605B	1, 3 K, N 1 PER CKT
		556A	1, 2 J, Q, R 1 PER CKT
		603A, 608B, OR 608D (SEE NOTE 107)	1 F, J, N 1 PER CKT
WHEN ARRANGED TO FUNCTION WITH INTRA-PBX PROTECTION OF SERVICE		REQD	S
		NOT REQD	E

NETWORK VALUES			
NETWORK		RESISTANCE IN OHMS	CAPACITANCE IN UF
NO.	CODE		

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	ARM	RD
6D	H	J, K, M, N OR Q	102	H, J, K, M, N OR Q		
9D	G	H		G		H
11AC				F		G
12D	E OR H	E	102	E, B		

WIRING AT RES (B) & (B1) WHEN NUMBER OF LAMP IN GROUP IS:	32-46V	44-52V
	1	Z, Y Z
	2	X, Y, Z X, Z
	3	W Y
	4	W, X Y, Z
	5	W, X, Z X, Y, Z
	6	W, Y W
	7	W, X, Y W, X
	8	W, X, Z
	9	W, Y
	10	W, X, Y

106. CONNECT FULL GROUPS OF BUSY LAMP TO LEAD "BL" AND ONE GROUP OF 10 OR LESS ON 44-52V OR 7 OR LESS ON 32-46V TO LEAD "BL1".
107. PRIOR TO ISSUE 11AC, OPTIONS J & N WERE NOT SPECIFIED FOR 608A PBX.

WORKING LIMITS

MAX COMD RES FOR RING UP	72V	80V	84V
	1700	2200	2400

MIN INS RES

MANUAL PANEL	20,000
OR CROSSBAR	30,000

STEP BY STEP

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED: RESISTANCE VALUES ARE IN OHMS, CAPACITANCE VALUES ARE IN MICRO-FARADS.

DWG ISSUE	CD ISSUE	DATE	BY	CHKD	APPD
1	1	2-24-52			
2D	APP 10	7-17-53			
3D	2D	APR 53			
4D	3D	APR 53			
5D	4D	6-5-53			
6D	5D	5-3-54			
7D	5D	3-4-54			
8D	5D	7-26-54			
9D	5D	7-26-54			
10D	5D	1-7-55			
11AC	5D	3-12-55			
12D	5D	5-11-55			
13D	5D	7-11-56			

DRAWING REPAIRING
WITHOUT CHANGE.

5-11-56

12D 5D 5-11-55

13D 5D 7-11-56

14D 5D 7-11-56

15D 5D 7-11-56

16D 5D 7-11-56

17D 5D 7-11-56

18D 5D 7-11-56

19D 5D 7-11-56

20D 5D 7-11-56

21D 5D 7-11-56

22D 5D 7-11-56

23D 5D 7-11-56

24D 5D 7-11-56

25D 5D 7-11-56

26D 5D 7-11-56

27D 5D 7-11-56

28D 5D 7-11-56

29D 5D 7-11-56

30D 5D 7-11-56

31D 5D 7-11-56

32D 5D 7-11-56

33D 5D 7-11-56

34D 5D 7-11-56

35D 5D 7-11-56

36D 5D 7-11-56

37D 5D 7-11-56

38D 5D 7-11-56

39D 5D 7-11-56

40D 5D 7-11-56

41D 5D 7-11-56

42D 5D 7-11-56

43D 5D 7-11-56

44D 5D 7-11-56

45D 5D 7-11-56

46D 5D 7-11-56

47D 5D 7-11-56

48D 5D 7-11-56

49D 5D 7-11-56

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65D 5D 7-11-56

66D 5D 7-11-56

67D 5D 7-11-56

68D 5D 7-11-56

69D 5D 7-11-56

70D 5D 7-11-56

71D 5D 7-11-56

72D 5D 7-11-56

73D 5D 7-11-56

74D 5D 7-11-56

75D 5D 7-11-56

76D 5D 7-11-56

77D 5D 7-11-56

78D 5D 7-11-56

79D 5D 7-11-56

80D 5D 7-11-56

FIGURES AND OPTIONS ON THIS DWG	
CKT FIGS	APP OR WIRING
1	Z
2	X, Y, Z
3	W
4	W, X
	Y, Z
	W, X, Z
	W, Y
	W, X, Y
	W, X, Z
	W, Y
	W, X, Y
	W, X, Z
	W, Y
	W, X, Y

REPLACES SD-6012-01, SD-6034-01, SD-6651-01 AND REVISIONS

SD-65781-01 FOR 607A, 607B, 607C, 607D, 607E, 607F, 607G, 607H, 607I, 607J, 607K, 607L, 607M, 607N, 607O, 607P, 607Q, 607R, 607S, 607T, 607U, 607V, 607W, 607X, 607Y, 607Z

SD-65781-01 PBX SYSTEMS

NO. 552A, 552B, 552D, 552E,

605A, 608A, 608B, OR 608D

CENTRAL OFFICE TRUNK CIRCUIT

2-WAY OUTGOING MANUAL

SELECTED INCOMING RINGDOWN

NO. 606B, 607A, 607B, 608A, 608B, OR 608D

CENTRAL OFFICE TRUNK CIRCUIT

INCOMING RINGDOWN

NO. 701A, 701B, 701PK, OR 740E

INTERCEPTING TRUNK CIRCUIT

FROM CONNECTOR MULTIPLE

(COTR-06 P-M-INC RD) OR (INCP)

BELL TELEPHONE LABORATORIES

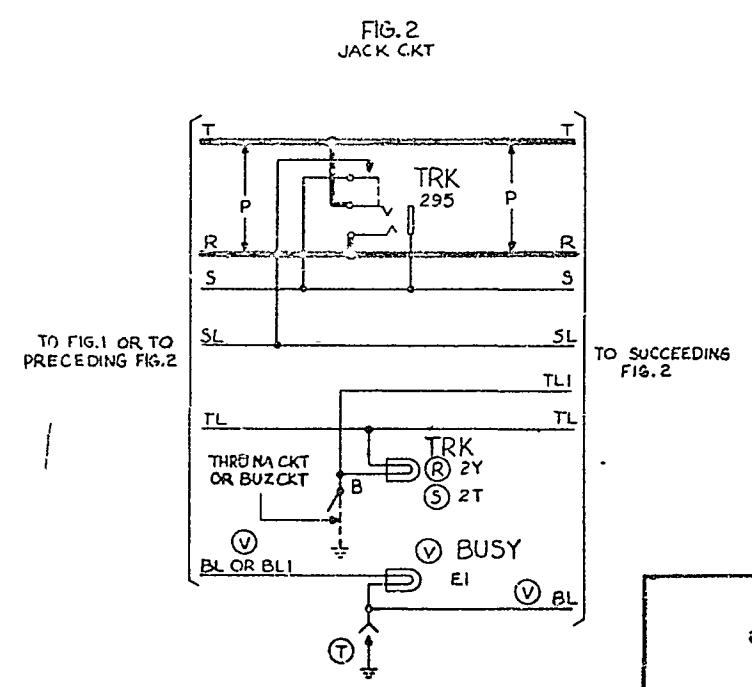
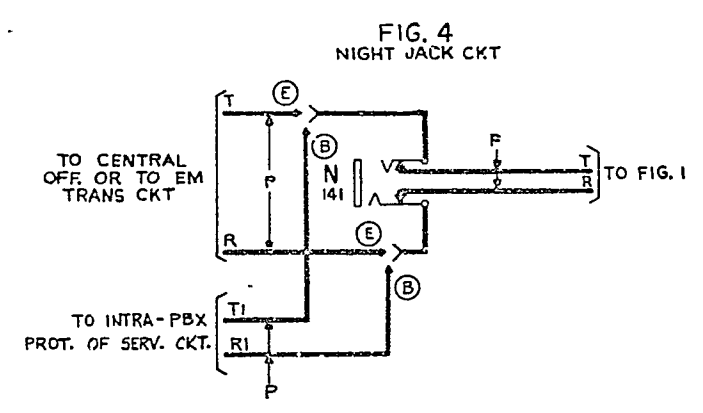
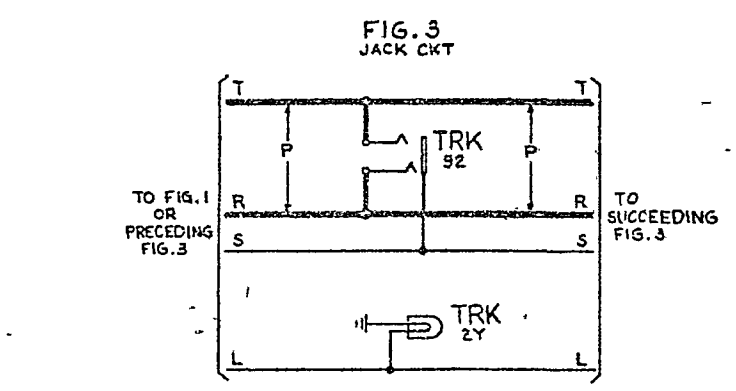
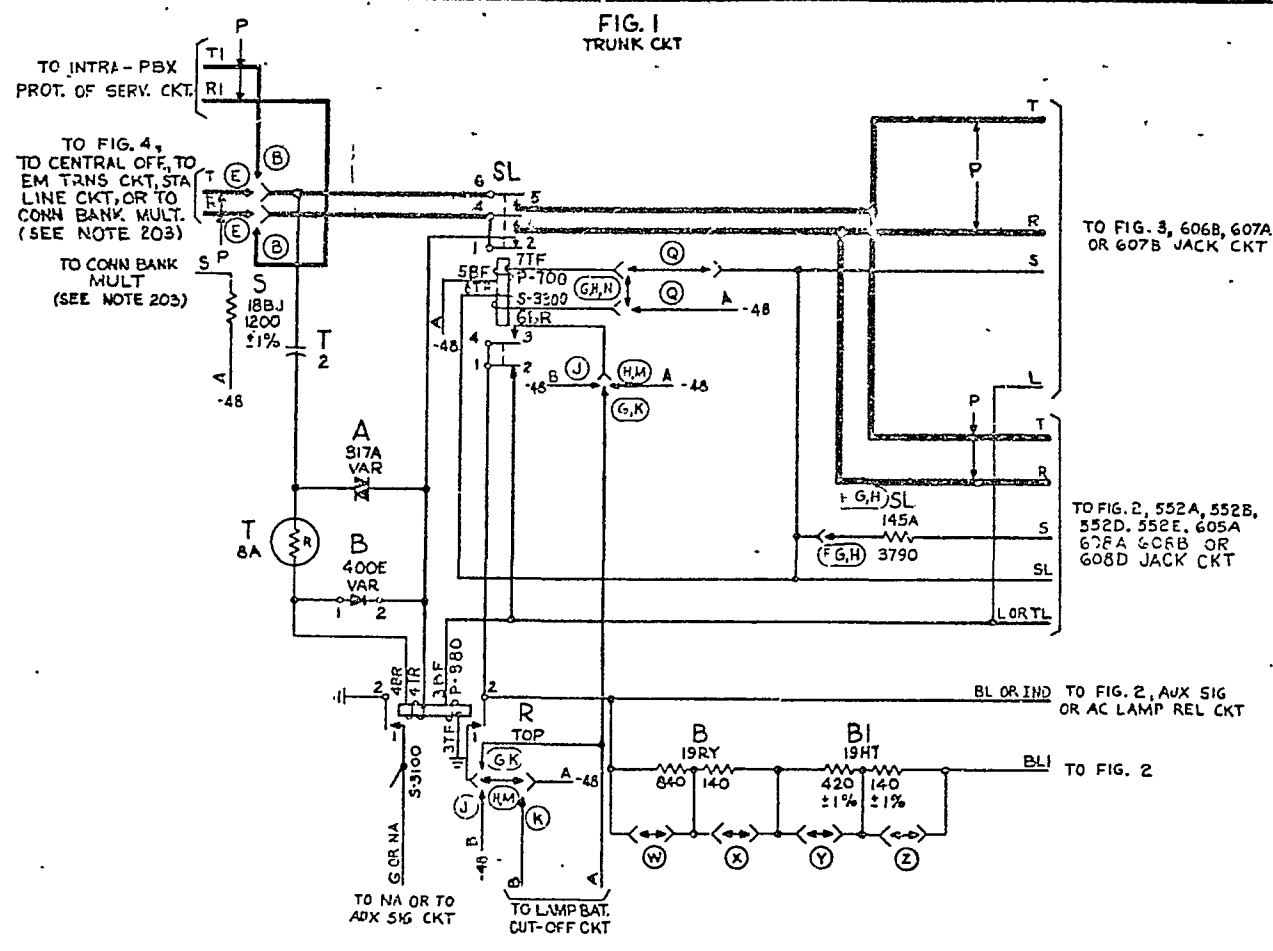
SD-65781-01-1

5 SHEETS

AT&T CO

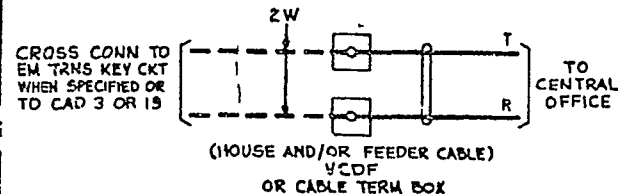
STANDARD

AT&T ONLY FOR 607A-702A



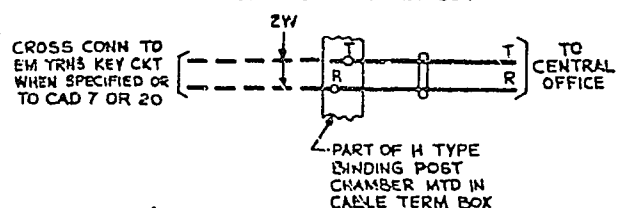
CAD 5

DISTRIBUTING FRAME LEADS
TO CO TERMINATED ON PROTECTORS



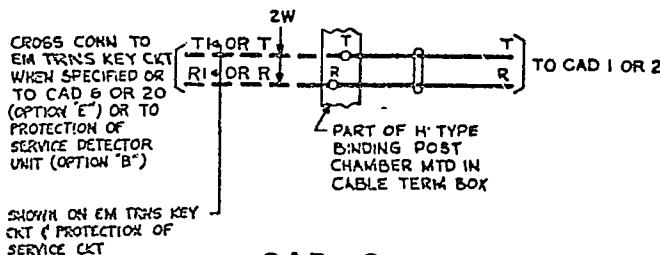
CAD 6

(FOR FIG. 1)
552B, 552E, OR 740E
BINDING POST CHAMBER



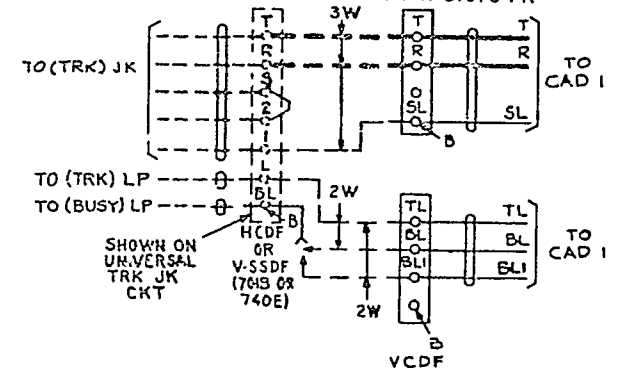
CAD 7

(FOR FIG. 1)
552B, 552E, OR 740E
BINDING POST CHAMBER



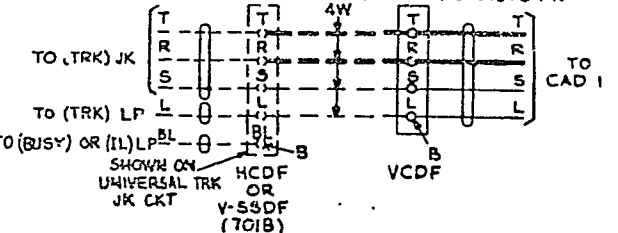
CAD 8

(FOR FIG. 2)
701A, 701B, 740E PBX
(552A, 552D, 556A OR 605A SWBD)
WITH UNIVERSAL JACK CKT THRU DISTG FR



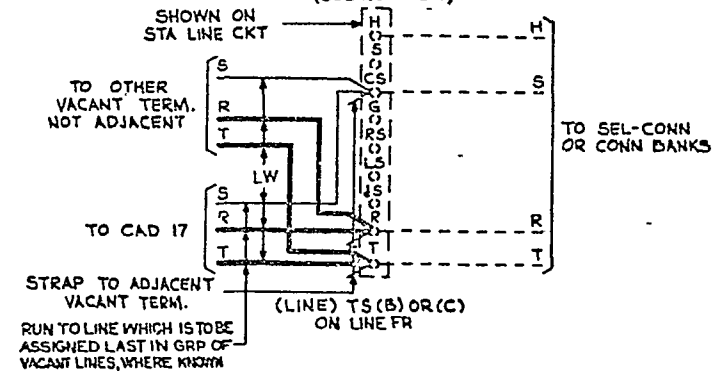
CAD 9

(FOR FIG. 3)
701A, 701B, 740E PBX
(606B, 607A OR 607B SWBD)
WITH UNIVERSAL JACK CKT THRU DISTG FR



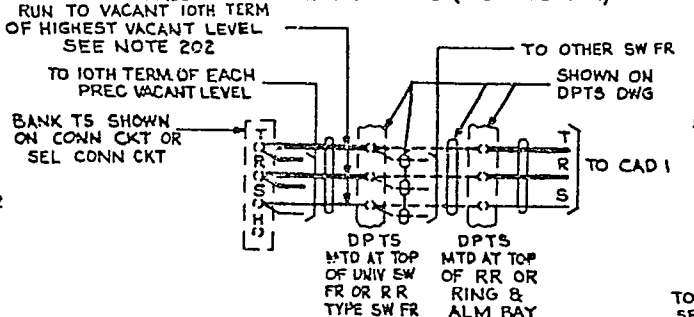
CAD 10

(FOR FIG. 1)
INTERCEPT CIRCUIT 740E PBX
FOR DIAL STATION LINES, WITH OR WITHOUT
STATION LINE RELAYS EQUIPPED
(SEE NOTE 201)



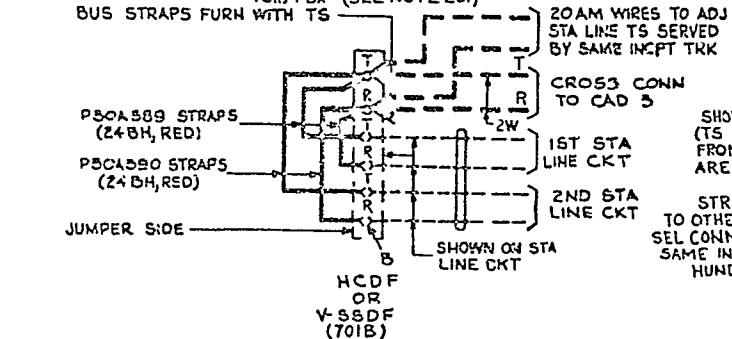
CAD 11

(FOR FIG. 1)
INTERCEPT CKT RUN BY WAY OF DPTS TO CONN OR SEL CONN SHELF UNITS
FOR DIAL STATION LINES WITHOUT LINE RELAY-LEADS TO INITIAL LINE
FINDER UNIT NOT RUN TO CDF-701B PBX (SEE NOTES 201 & 202)



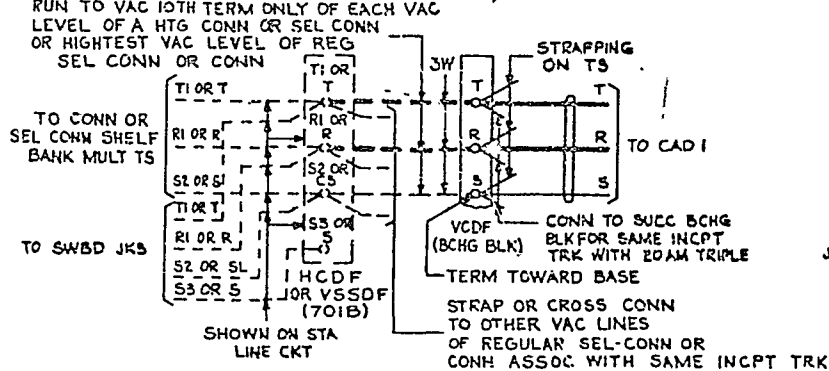
CAD 12

(FOR FIG. 1)
DISTRIBUTING FRAME - INTERCEPT CIRCUIT
FOR UNASSIGNED DIAL STATION LINES EQUIPPED WITH STATION LINE RELAYS
701B PBX (SEE NOTE 201)



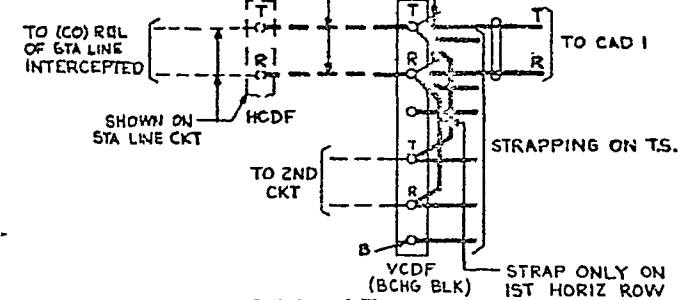
CAD 13

(FOR FIG. 1)
DISTRIBUTING FRAME - INTERCEPT CIRCUIT
FOR DIAL STATION LINES WITHOUT STATION LINE RELAYS-CONN OR
SEL CONN BANKS TERMINATED ON DISTRIBUTING FRAME 701A OR 701B PBX
(SEE NOTES 201 & 202)



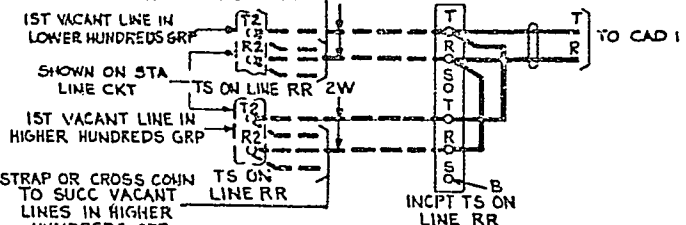
CAD 14

(FOR FIG. 1)
INTERCEPTING CKT RUN BY WAY OF DISTG FRAME
FOR UNASSIGNED DIAL STATION LINES EQUIPPED WITH STATION LINE RELAYS-701A PBX
(SEE NOTE 201)



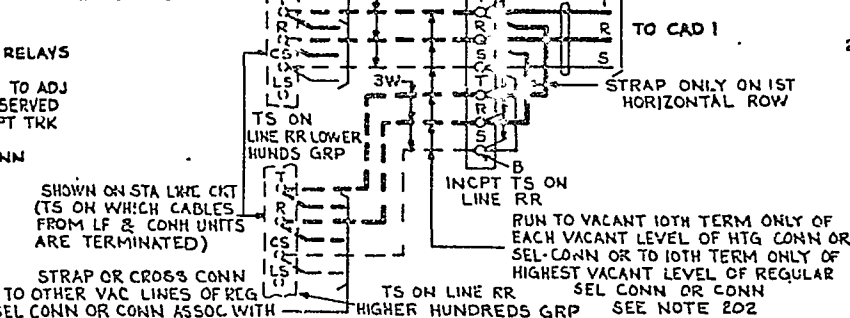
CAD 15

(FOR FIG. 1)
INTERCEPT CIRCUIT RUN TO LINE RELAY RACK
FOR UNASSIGNED DIAL STATION LINES EQUIPPED WITH STATION LINE RELAYS-701A PBX
(SEE NOTE 201)



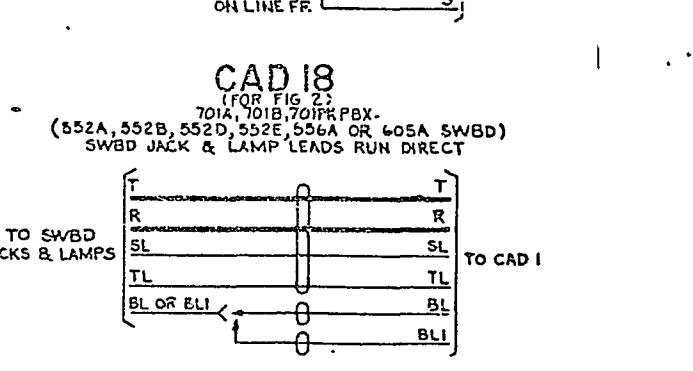
CAD 16

(FOR FIG. 1)
INTERCEPT CIRCUIT RUN TO LINE RELAY RACK
FOR DIAL STATION LINES WITHOUT LINE RELAYS-701A PBX
(SEE NOTE 201)



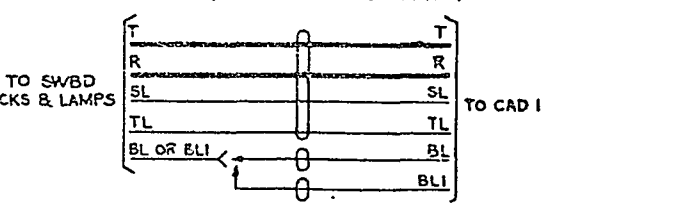
CAD 17

(FOR FIG. 1)
TERMINATION OF INTERCEPT CIRCUIT
AT 740E PBX LINE FRAME



CAD 18

(FOR FIG. 2)
701A, 701B, 701PBX.
(552A, 552B, 552D, 552E, 556A OR 605A SWBD)
SWBD JACK & LAMP LEADS RUN DIRECT



EQUIPMENT NOTES:

201.	HUNTING TYPE SELECTOR CONNECTOR OR CONNECTOR	INTERCEPTED LINES	EQUIPPED WITH LINE AND CUTOFF RELAYS	CONNECTION LEADS OF INTERCEPT TRK TO STATION LINE EQUIP TO BE INTERCEPTED.
701A, 701B OR 701PBX			NOT EQUIPPED WITH LINE AND CUTOFF RELAYS	MS 552B, 552E, 556A OR 605A (701A) OF COPELAND INTERCEPTED STA LINE CXT BY MEANS OF PLASTIC SLEEVES PER P-32826
701A	REGULAR SELECTOR CONNECTOR OR CONNECTOR	INTERCEPTED LINES	EQUIPPED WITH LINE AND CUTOFF RELAYS	EACH LINE SHALL BE ARRANGED FOR HUNTING BY STRAPPING THE ASSOCIATED "H" TERMINAL TO THE CORRESPONDING "S" TERMINAL AT THE CONN BANK MULT TS. "S" TERMINALS (1-9) SHALL BE STRAPPED TOGETHER AND MADE BUSY BY CONNECTING GROUND TO TERMINAL 9. CORRECT THE "T", "R" & "S" LEADS OF THE INTERCEPT TRUNK TO THE 10TH TERMINAL OF CONNECTOR BANK MULT.
740E	ALL TYPES	INTERCEPTED LINES	NOT EQUIPPED WITH LINE AND CUTOFF RELAYS	STRAP ALL "T" TERMINALS OF STA LINE EOPT TO BE INTERCEPTED TOGETHER. STRAP ALL "R" TERMINALS OF STA LINE EOPT TO BE INTERCEPTED TOGETHER. STRAP ALL "S" TERMINALS OF STA LINE EOPT TO BE INTERCEPTED TOGETHER. CORRECT THE "T", "R" & "S" LEADS OF THE INTERCEPT TRUNKS TO THE HIGHEST NUMBERED STRAPPED TERMINALS OF THE CONN BANK MULT.

202. WHERE HUNTING CONNECTORS OR HUNTING SELECTOR --CONNECTORS ARE USED, AND STATION LINES NOT EQUIPPED WITH (L) AND (CO) RELAYS ARE TO BE INTERCEPTED, THE CONNECTION TO THE INTERCEPT TRUNK SHALL BE MADE BY VACANT LEVELS OF THE BANK MULTIPLE. EACH LINE SHALL BE ARRANGED FOR HUNTING BY STRAPPING THE ASSOCIATED "H" TERMINAL TO THE CORRESPONDING "S" TERMINAL AT THE CONNECTOR BANK T.S., THE "S" TERMINALS (1-9) SHALL BE STRAPPED TOGETHER, AND MADE "BUSY" BY CONNECTING TERMINAL 9 OF ALL VACANT LEVELS TOGETHER WITH 220H WIRE AND CONNECTING FROM TERMINAL 9 OF THE HIGHEST NUMBERED VACANT LEVEL TO A "GRD" PUNCHING ON THE MISC T.S. ON THE SHELF UNIT. CORRECT THE "T", "R" & "S" TERMINALS 10 OF VACANT LEVELS TO THE INTERCEPT TRK AS SHOWN IN CADS 11, 13 OR 16.

203. THE RELAY UNIT PER CAD 2 IS FOR USE WITH 552B OR 552E PBX SWITCHBOARDS ONLY, THEREFORE THE "S" LEAD TO CONN BANK MULTIPLE AND THE ASSOCIATED (S) RESISTOR ARE OMITTED; ALSO THE "G" LEAD FROM THE (R) RELAY TO NIGHT ALARM CIRCUIT IS OMITTED IN CAD 2.

0 1 2 3 4 5 6 7 8 9

A

B

C

D

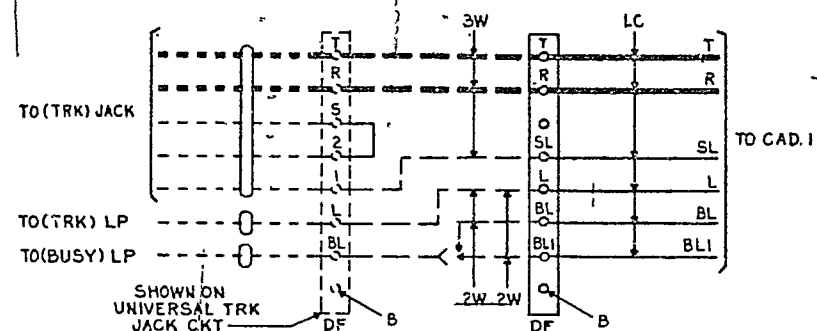
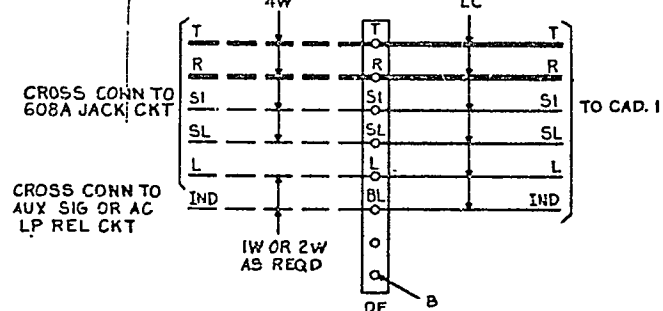
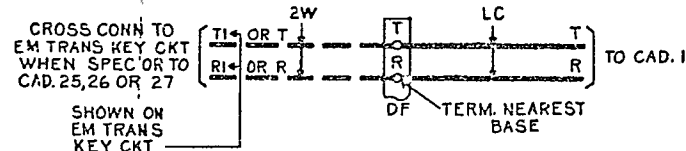
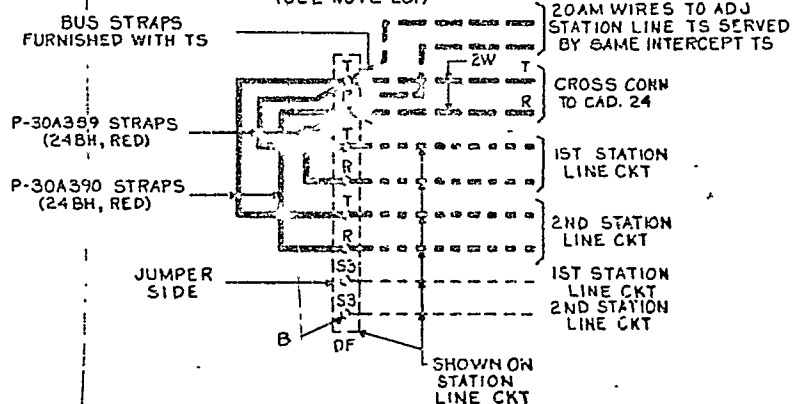
E

F

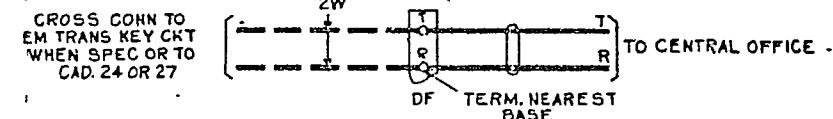
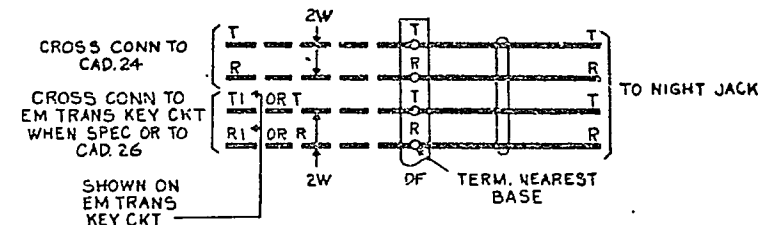
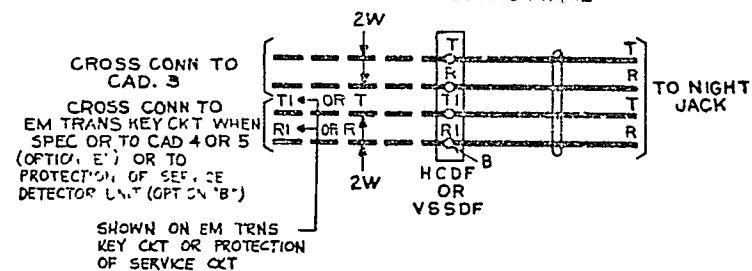
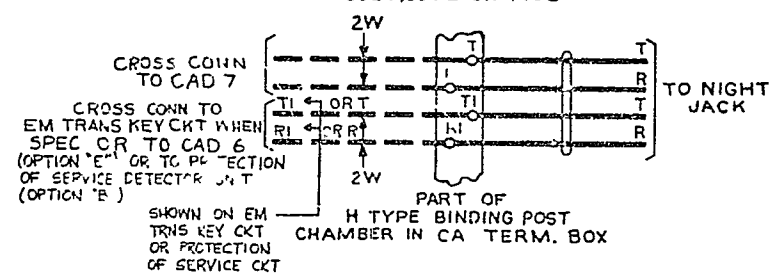
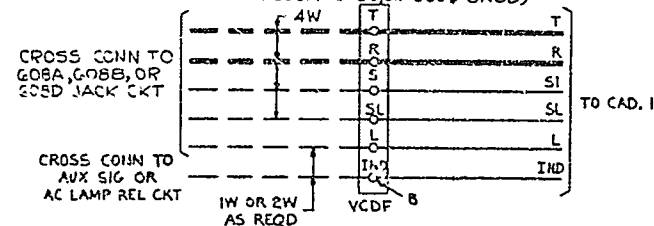
G

H

0 1 2 3 4 5 6 7 8 9

CAD. 22(FOR FIG. 2)
701PK PBX
(552A OR 552D SWBD)
WITH UNIVERSAL JACK CKT**CAD. 23**(FOR FIG. 2)
701PK PBX
(608A SWBD)**CAD. 24**(FOR FIG. 1)
CO TRK OR INTERCEPT TRK, 701PK PBX**CAD. 25**(FOR FIG. 1)
DISTRIBUTING FRAME - INTERCEPT CKT
FOR UNASSIGNED DIAL STATION LINES EQUIPPED
WITH STATION LINE RELAYS
701PK PBX
(SEE NOTE 201)**CAD. 26**

LEADS TO CO, 701PK PBX

**CAD. 27**(FOR FIG. 4)
701PK PBX
NIGHT JACK**CAD. 19**(FOR FIG. 4)
NIGHT JACK TERMINATED
ON DISTRIBUTING FRAME**CAD. 20**(FOR FIG. 4)
NIGHT JACK TERMINATED
ON BINDING POST CHAMBER
552B, 552E OR 740E**CAD. 21**(FOR FIG. 2)
701A, 701B, 740E PBX
(608A, 608B, OR 608D SWBD)CENTRAL OFFICE TRUNK CKT
INTERCEPTING TRUNK CKT

SD-65761-01-5

BELL TELEPHONE LABORATORIES
INCORPORATED

6S