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CAD 7,8,9	6

DESIG	LOCATION		
	FS	APP FIG.	EQPT
SPEAKERS			
SPK	206	1	
TRANSFORMERS			
RC1	281	1	
T1	205	1	

CIRCUIT NOTES (CONT):

104.

SCAN POINT ASSIGNMENT	
SUPERVISORY	DIRECTED
0,1	
109. RUN ONLY CKT 0 LEADS FOR NO 2/28 AND NO.3 ESS.

SUPPORTING INFORMATION	
CATEGORY	NO.
EQUIPMENT DESIGN REQT.	J11042 (820-502-150) J1A042BP
EQUIPMENT DRAWINGS	
CIRCUIT PACK SCHEMATICS	50-1A102-01

DWG NO.	RECORD ISSUE	DATE ISSUED	BY
1	1	4-23-64	CCD
2AC	1	1-9-67	PPM
3B	1	7-24-70	DR
4B	1	9-19-78	AS
SAC	2AC	12-11-76	MC
6D	2AC APP 1D	11-13-75	PSG JLDFES
7D	2AC APP 2D	1-2-80	BSG KCL

APPARATUS INDEX			
EQPT LOC	APP FIG.		
	NO.	SH NO.	
CIRCUIT PACKS			
213-29	1	3	
213-30	1	3	
213-32	1	3	

DESIG	LOCATION		
	FS	APP FIG.	EQPT
RELAYS			
DT	265	1	
CR	205	1	
TG	285	1	

KEYS			
PWR OFF	SEE APP FIG.	1	
RST	APP FIG.	1	
TST	FIG.	1	

LAMPS			
PWR OFF	2E5	1	
TST	2E6	1	

POTENTIOMETERS			
TUNE VOL	2F2	1	
	2C3	1	

RESISTORS			
R1	2E1	1	

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
DT	3/4	+24	APP FIG. 1

BATTERY SYMBOL +24 **VOLTAGE RANGE** +20.75 TO +26.25

THE + 24 FUSE IS FURNISHED AS PART OF THE MISC CKT FOR NO. 1 ESS OFFICES AND PART OF THE T & LT CKT (SD-6A005-01) FOR NO. 1A ESS OFFICES.

102.

FEATURE OR OPTION	PROVIDE		
	APP FIG.	APP OR WRG	QUANTITY
DIAL TONE DELAY ALARM	2-WIRE	1	1 PER CKT
	4-WIRE	2	1 PER CKT
THIS CKT ARRANGED TO BE RESET AND ALARM DISABLED FROM A REMOTE LOCATION.		Y	1 PER CKT
WHEN OFFICE IS EQUIPPED WITH SWITCHING CONTROL CENTER (SCC)		X	
WIRING REQUIRED WHEN USED WITH NO.1 OR 1A ESS.		W	
WIRING REQUIRED WHEN USED WITH NO.2,28 OR NO.3 ESS.		V	

103.

CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT		
				STD	P&M	MD
4B	Y	NONE	102	Y		
7D	W OR V	W		V,W		

EQUIPMENT NOTES:

201. THESE LEADS SHALL HAVE ENOUGH WIRE TO FORM A LOOP SO THAT THE KEY MAY BE REMOVED FROM THE FRONT OF THE BAY FOR MAINTENANCE.

202.

LEAD DESIGNATION	COMBINED SERIES RESISTANCE LIMIT
A,B	LESS THAN 100 OHMS

203. THE CIRCUIT MAY BE PLACED ON EITHER THE LEFT OR RIGHT FOUR TERMINALS OF TWO ADJACENT HORIZONTAL ROWS OF AN IDF VERTICAL.

204. EACH CIRCUIT MAY BE PLACED ON EITHER THE LEFT OR RIGHT TWO (2) TERMINALS OF A HORIZONTAL ROW OF AN IDF VERTICAL.

205. SEE STATUS ASSEMBLING SYSTEM REMOTE CIRCUIT FOR EXPLANATION OF DESIGNATIONS TO BE USED WITHIN () () . DESIGNATION "TY" CORRESPONDS TO ANY ONE OF THE 1ST THRU 14TH STATUS BITS WITHIN A STATUS REPORT WORD. THESE ASSIGNMENTS (SIC () -TL SIC () -TG) SHALL BE MADE BY THE TELEPHONE COMPANY.

206. THIS EQUIPMENT SHALL BE SHIPPED WITH THOSE CIRCUIT PACKS USED DURING THE EQUIPMENT TEST AT THE TIME OF MANUFACTURE.

207. WHEN REQUIRED, THESE LEADS SHALL BE CONNECTED DIRECTLY TO THE (TO) RELAY. IN A NO. 1 ESS OFFICE THESE LEADS SHALL BE RUN TO THE MASTER CONTROL CENTER VIA A FRAME LOCAL CABLE. IN A NO. 1A ESS OFFICE THESE LEADS SHALL BE RUN TO T S (A) ON THE TRUNK AND LINE TEST FRAME VIA FRAME LOCAL CABLE.

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. FERROD SENSORS ASSOCIATED WITH THE CIRCUIT ARE IDENTIFIED FOR INFORMATION PURPOSES BY A NUMBER 0,1.

OPTION INDEX

APP OR WRG	LOCATION
Z	CAD 2, CAD 4, CAD 5, 201, 2E1, 2F0
Y	CAD 1, CAD 2, 2A6, 204
X	206, 2H6
W	CAD 1-6
V	2F0

NOTICE- NOT FOR USE OR DISCLOSURE OUTSIDE THE BELL SYSTEM EXCEPT UNDER WRITTEN AGREEMENT.

ISSUE 7D

SD-1A277-01 1799

ELECTRONIC SWITCHING SYSTEMS
COMMON DIAL TONE DELAY ALARM CIRCUIT

AT&T STANDARD

SD-1A277-01-1
6 SHEETS

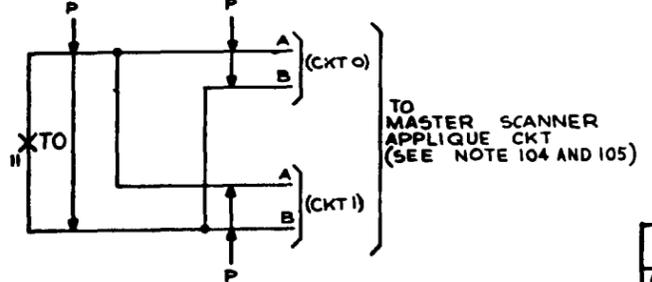
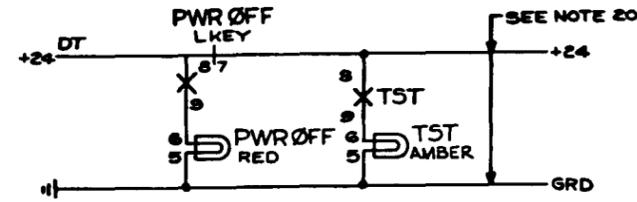
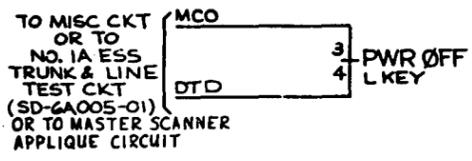
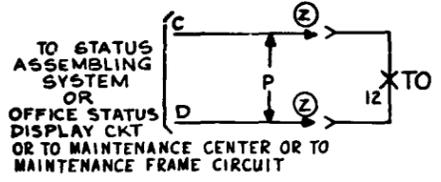
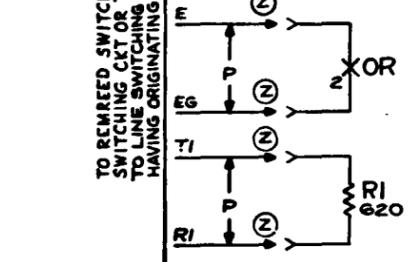
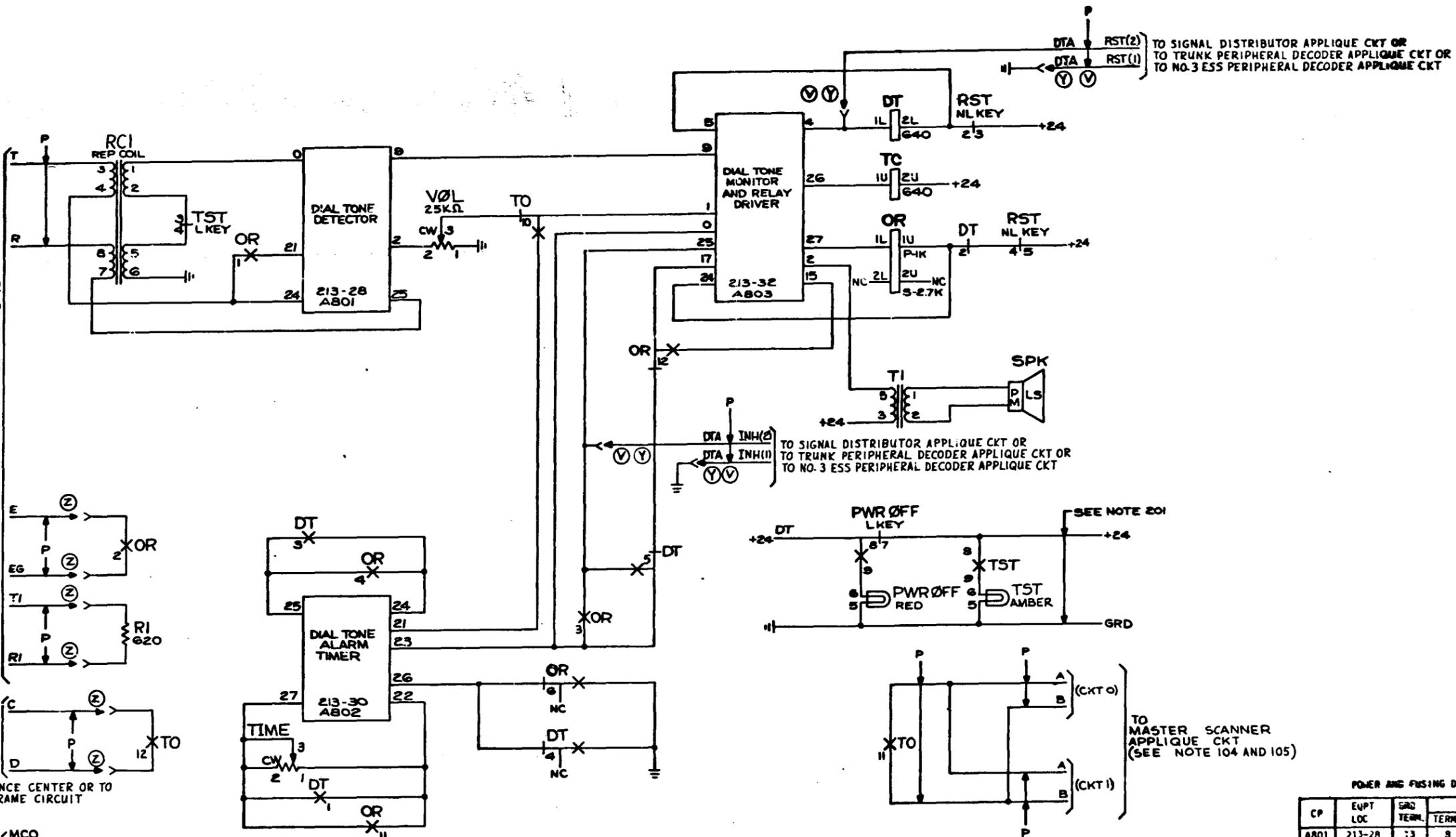
BELL TELEPHONE LABORATORIES
INCORPORATED 6S

FS I DIAL TONE DELAY ALARM CIRCUIT

NOTES:

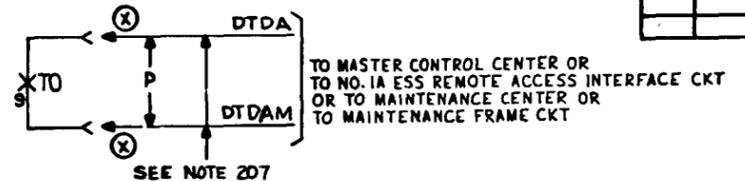
1. ORIGINATING LINE ONLY IN THE TRANSLATION INFORMATION.
2. TO BE ASSIGNED BY TELEPHONE COMPANY.

TO REMOVED SWITCHING NETWORK CKT OR TO LINE AND/OR TRUNK SWITCHING CKT OR TO NO. 3 ESS NETWORK APPEARANCE OR TO LINE SWITCHING CKT OR UNIVERSAL COUPLER CKT (APPEARANCE HAVING ORIGINATING CLASS OF SERVICE) SEE NOTES 1, 2



POWER AND FUSING DATA TABLE

CP	EQPT LOC	GRD TERM.	+12 TERM.	DESIG	+24 TERM.	FUSE
AB01	213-28	7, 3	8		14	DT
AB02	213-30	7, 3	8		14	DT
AB03	213-32	7, 3			14	DT



SD-1A277-01-2

ISSUE
7D

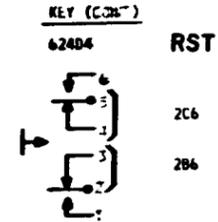
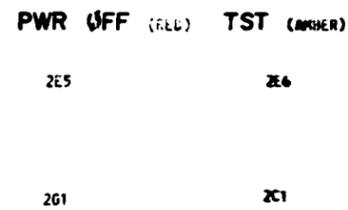
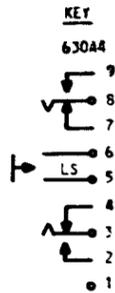
APP FIG. I

CIRCUIT PACK

EQPT LOC	213-17	213-19	213-19	213-20	213-21	213-22	213-23	213-24	213-25	213-26	213-27	213-28	213-29	213-30	213-31	213-32	EQPT LOC
DESIG																	DESIG
CODE																	CODE
OPTION																	OPTION
ELEMENT LOC	TERM.	ELEMENT LOC															
TERM. FS LOC																	TERM. FS LOC

RELAY

DESIG	DT	AK30	AK32	AK32	AK32
CODE					
OPTION	CONT ARR	LOC	CONT ARR	LOC	CONT ARR
12					
11					
10					
9					
8					
7					
6					
5	EMB	2E4			
4	EMB	2F3			
3	EBM	2E2			
2	EBM	2C6			
1	M	2F2			
COIL					



LAMP
THE FOLLOWING LAMPS ARE MOUNTED IN SIMILARLY DESIGNATED KEYS:

DESIG	LOC	CODE
PWR OFF	2E5	K2
TST	2E6	K2

POTENTIOMETER

DESIG	LOC	CODE
TIME	2F2	KS-1379D L2,1
VOL	2C3	KS-1379D L29, 25KΩ

RESISTOR

DESIG	LOC	CODE
R1	2E1	KS-16645 L1,620

SPEAKER

DESIG	LOC	CODE
SPK	2D6	761A

TRANSFORMER

DESIG	LOC	CODE
RC1	2B1	120C REP COIL
T1	2D5	2563M

SD-1A277-01-3

ISSUE 7D

CIRCUIT REQUIREMENTS

APPARATUS				MECH REQ			CIRCUIT PREPARATION		TEST SET PREP	SEE TEST NOTE	DIRECT CURRENT FLOW REQ					REMARKS	
DESIG	CODE	OPT.	FIG.	BSP FIG.	CONT PRES	ARM. TRVL	BLOCK OR INSULATE	TEST CLIP DATA			TEST WDG	TEST FOR	AFTER SOAK				
								CONN BAT.					CONN GRD	MA	MA		MA
RELAYS																	
DT	1/2AK33	1		202				1L	-GRD		0		23	22	REMOVE CPS A833		
DR	AG32	1		224				1L	-GRD		0	3.8	18.5	17.5	REMOVE CPS A833		
									-GRD		H	3.7	3.5				
									-GRD		R	1.7	2				
TO	1/2AK30	1		202				1U	-GRD		0		23	22	REMOVE CPS A833		

DRAWING ISSUE

SD-
BELL TELEPHONE LABORATORIES
INCORPORATED

SD-1A277-01-4

CIRCUIT REQUIREMENTS

APPARATUS				MECH REQ			CIRCUIT PREPARATION		TEST SET PREP	SEE TEST NOTE	DIRECT CURRENT FLOW REQ					REMARKS	
DESIG	CODE	OPT.	FIG.	BSP FIG.	CONT PRES	ARM. TRVL	BLOCK OR INSULATE	TEST CLIP DATA			TEST WDG	TEST FOR	AFTER SOAK				
								CONN BAT.					CONN GRD	MA	MA		MA

DRAWING ISSUE

DIAL TONE DELAY ALARM
BELL TELEPHONE LABORATORIES
INCORPORATED

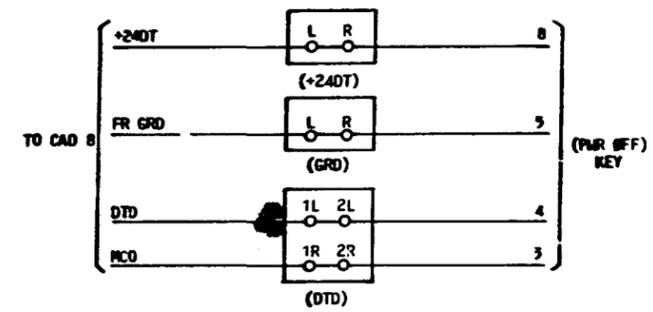
SD-1A277-01-4
65

ISSUE
7D

2AC
30

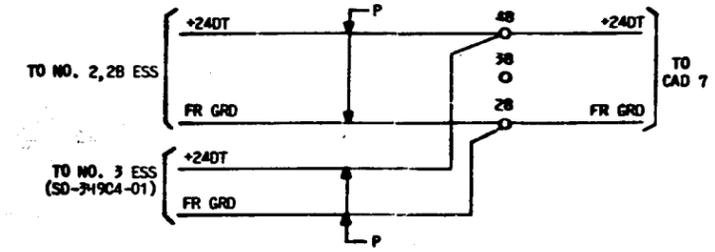
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① CAD 7

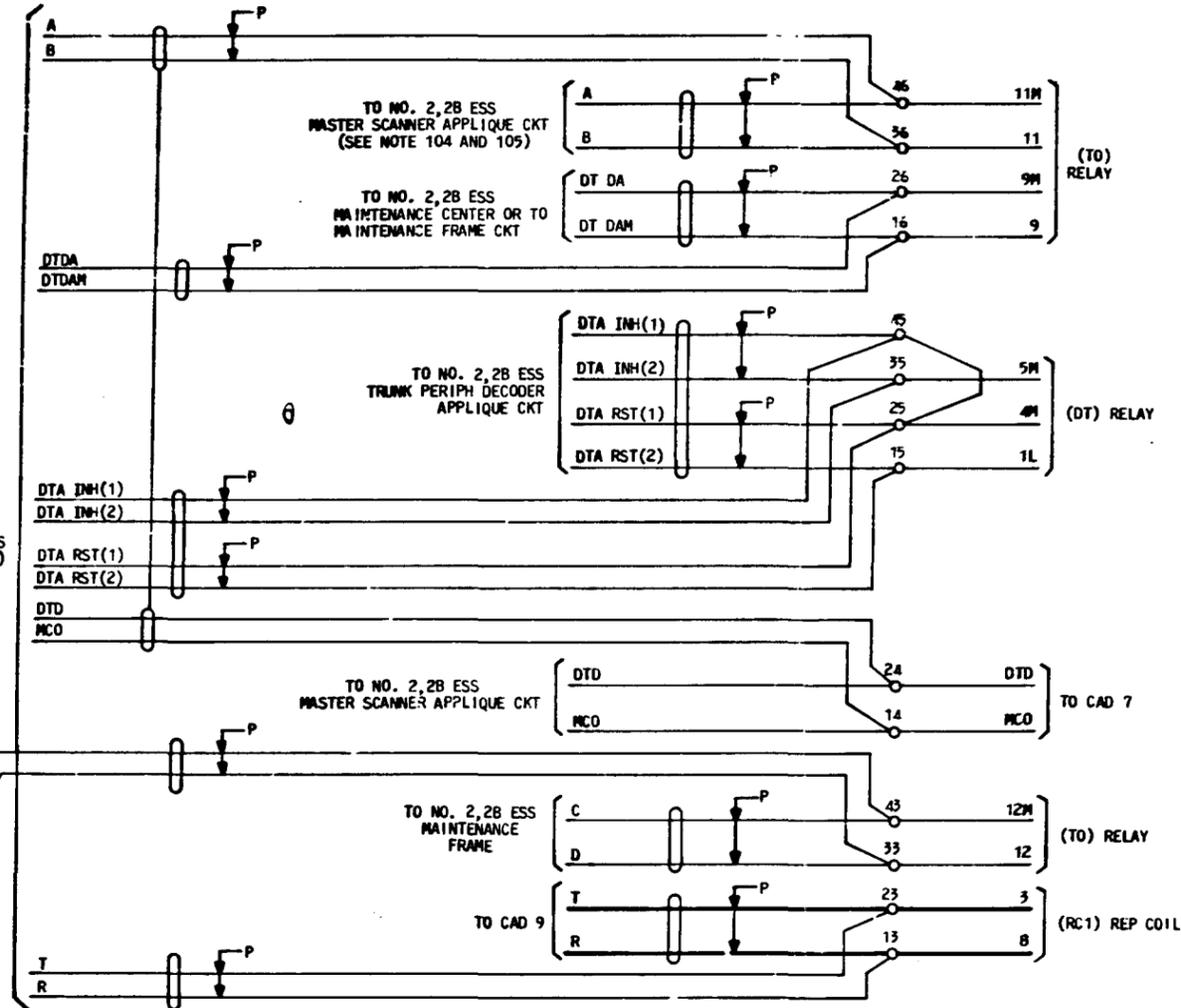
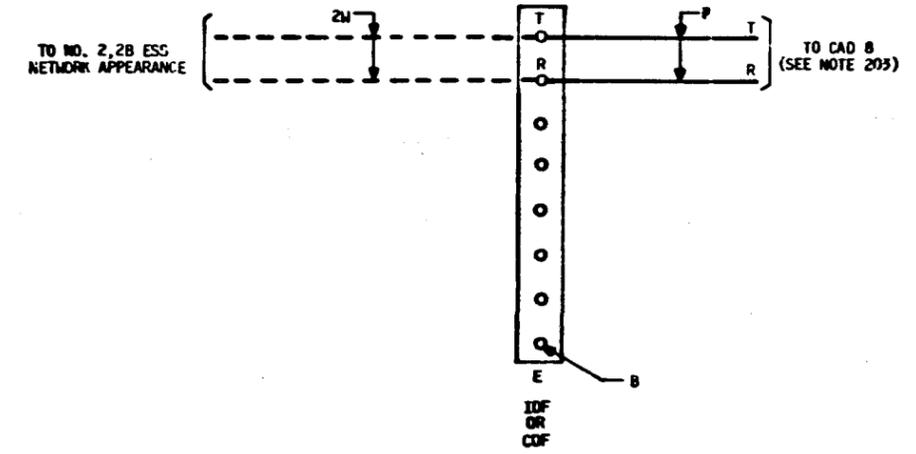


208A & 210A TERMINALS ON UNIT

② CAD 8
(FOR APP FIG. 1)



③ CAD 9



P/O TS (A) ON UNIT

DIAL TONE DELAY ALARM		DWG SIZE	ISSUE
		65	7D
BELL LABORATORIES		SD-IA277-01	6