

SHEET INDEX

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CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
F1	2	125V	CIRCUIT

102.

FEATURE OR OPTION	PROVIDE		
	FIG.	APP OR WRG	QUANTITY
AC SERVICE VOLTAGE	95-135	1 Z	1 PER CKT
	190-275	1 Y	
NEGATIVE OUTPUT (POSITIVE GROUNDED)	1	X	1 PER CKT
POSITIVE OUTPUT (NEGATIVE GROUNDED)	1	W	
HIGH VOLTAGE SHUT DOWN CIRCUIT	3		1 PER CKT
GROUND ALARM ON RFA LEAD	1	R	1 PER CKT
BATTERY ALARM THRU 511 OHMS ON PG LEAD	1	J	

103.

104.

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	
6AC	U	V		U		V	
7B	S	T		S		T	
7B	R	NONE		R			
7B	FIG. 2 OR FIG. 3	2		3		2	
7B	Q	P		Q		P	
8AC	M	N		M		N	
9AR	FIG. 2 OR FIG. 3	2		3		2	
11B	L	K		L		K	
12B	J,R	J,R		J,R			
15AC	G,H	H	107	G,H			

CIRCUIT NOTES (CONT)

105. TRANSFORMER CODES AND TAPS ARE AS FOLLOWS. RECTIFIERS SHALL BE CONNECTED AT THE FACTORY FOR EITHER NOMINAL 115 OR 210 VOLT SERVICE. FOR OTHER LINE VOLTAGES RECONNECT TO TAP NEAREST ACTUAL LINE VOLTAGE.

OPTION	TRANSF CODE	TAP	PRIMARY VOLTAGE
Z	371E	1-4	125
		1-3	115
		1-2	105
Y	371F	1-4	250
		1-3	230
		1-2	210

106. PRIOR TO ISSUE 7B (R6),(R9) AND (R12) RESISTORS WERE KS-8441.

107. G OPTION REQUIRED WHEN RECTIFIER USED IN 2A AUTOMATIC CALL DISTRIBUTOR BATTERY RESERVE POWER PLANT.

EQUIPMENT NOTES:

201. ALL WIRING SHALL BE KS-13385 22GA SOLID WIRE UNLESS OTHERWISE SPECIFIED. ALL WIRING RUNNING IN CABLE OF HINGED GATES SHALL BE KS-13385 22GA STRANDED. ALL HEAVY LEADS SHALL BE KS-13385 14GA STRANDED WIRE.
202. FUSES DESIGNATED FN SHALL BE OF THE MULTIPLE-ELEMENT (TIME DELAY) TYPE. PRIOR TO ISSUE 7B THE 6.25 AMP FN AND 10 AMP FN WERE 6 AMP AND 10 AMP RESPECTIVELY.

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DRAWINGS	J87211A-(-)
EQUIPMENT DESIGN REQT	J87211
MAINTENANCE SPEC	169-245-301

OPTION INDEX

APP OR WRG	LOCATION
FIG. 1	2A4
FIG. 2	2F4
FIG. 3	2F7
Z	2C0, 2C1
Y	2C0, 2C1, 2D0
X	2B8, 2D6, 2D8
W	2B8, 2D6, 2D8
V	2C3, 2E2
U	2C3, 2D2
T	2D4
S	2D4
R	2C8, 2D3
Q	2B8
P	2B8
N	2F3, 2G3
M	2F3, 2G3
L	2D2, 2D3
K	2D2, 2D3
J	2C9, 2D8
H	2C5
G	2C5

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.

DWG NO	CO ISSUE	DWG NO	CO ISSUE	DWG NO	CO ISSUE
1	1	2A	2A	3A	3A
VAR	APP	VAR	APP	VAR	APP
DWG NO	CO ISSUE	DATE ISSUED	DRAWN	APPD	
6AC	SAC	10-21-64	WJC	RS	
			JTS	CSK	
7B	SAC	10-21-64	WJC	RS	
	APP1B		JTS	CSK	
8AC	SAC	12-9-64	WJC	RS	
	APP2AC		JTS	CSK	
9AR	SAC	6-7-65	FJB	RS	
	APP3AR			CSK	
10AR	SAC	6-7-65	FJB	RS	
	APP4AR			CSK	
11B	SAC	10-15-65	FJB	RS	
	APP5B			CSK	
12B	SAC	5-3-66	RAW	RS	
	APP6B		FJB	CSK	
13B	GB	5-3-66	RAW	RS	
			FJB	CSK	
14AR	GB	6-13-66	RAW	RS	
	APP1AR			CSK	
15AC	GB	12-7-66	TWT	RR	
	APP2AC			CSK	
16D	GB	1-11-68	AC	RR	
	APP3D		FJB	CSK	

SD-81540-01 1M99

AT&TCO STANDARD

POWER SYSTEMS
REGULATED RECTIFIER
SEMI-CONDUCTOR TYPE
48 VOLTS, 11 AMPERES DC
115/230 VOLTS, 60 CYCLE AC
J87211A

SD-81540-01-1
2 SHEETS

BELL TELEPHONE LABORATORIES
INCORPORATED

6S

SD-81540-01-1

FIG. 1
RECTIFIER CKT

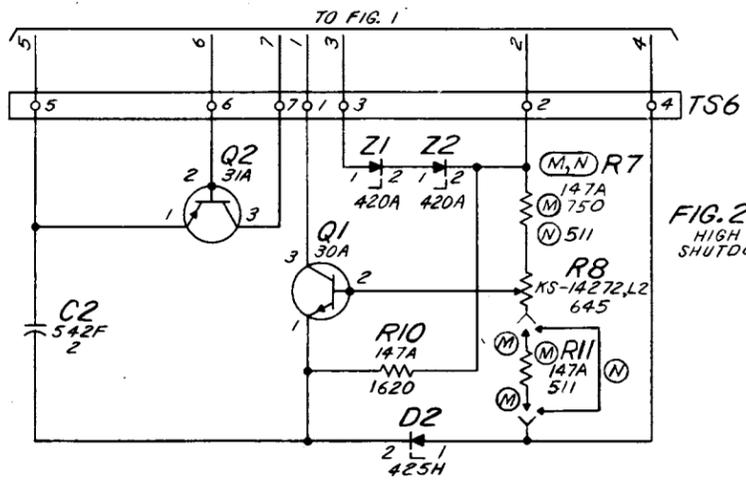
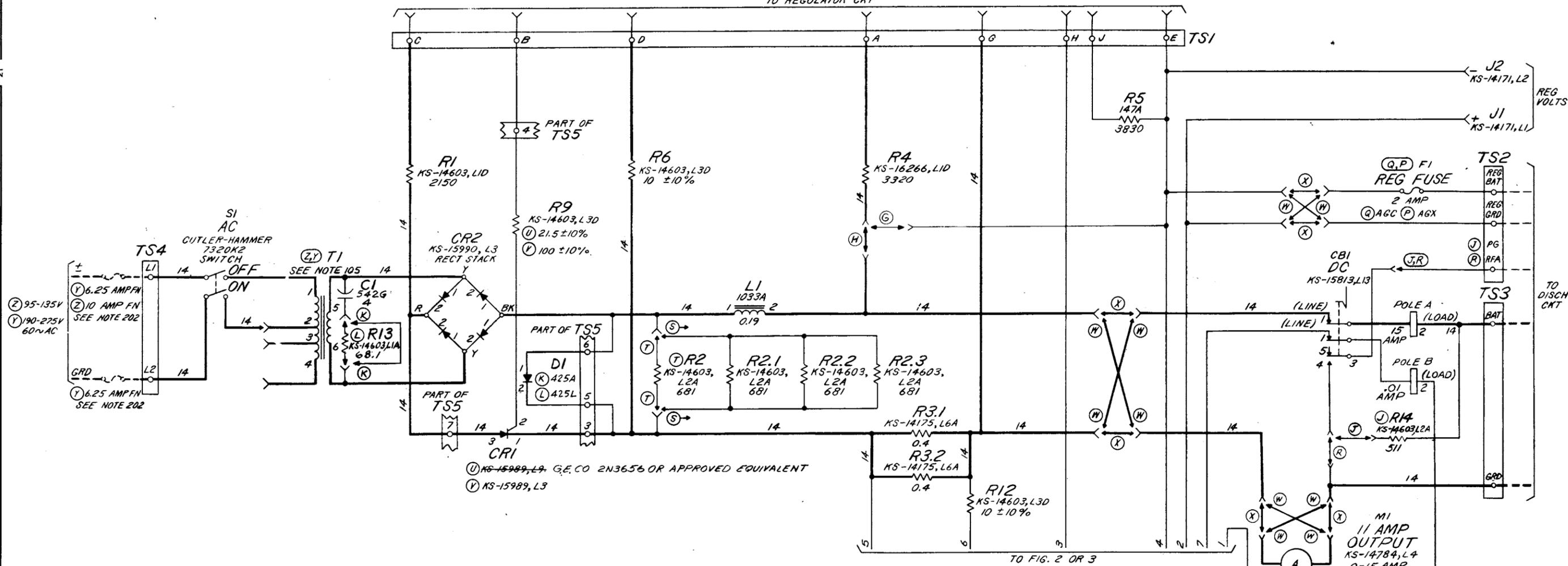


FIG. 2 (MFR DISC)
HIGH VOLTAGE
SHUTDOWN CKT

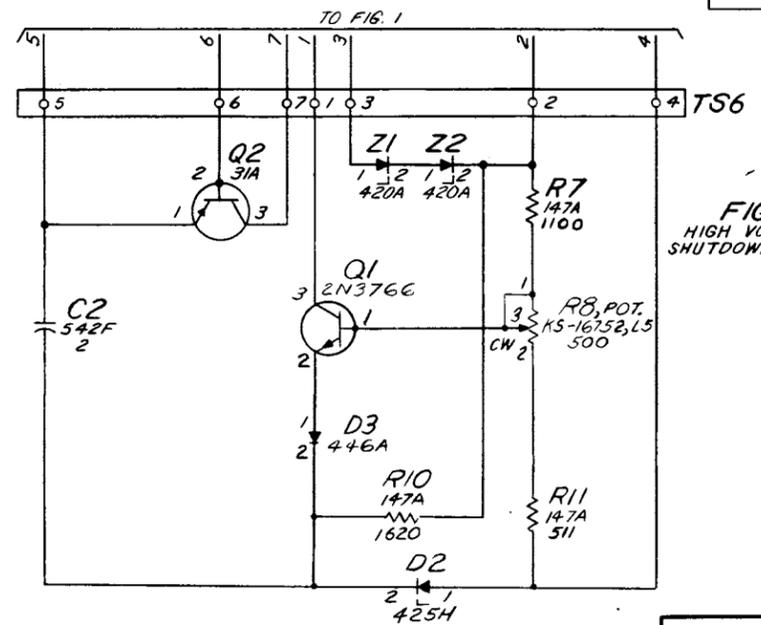
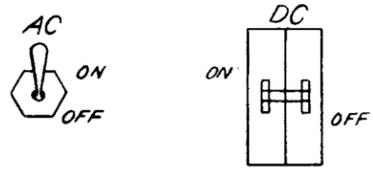


FIG. 3
HIGH VOLTAGE
SHUTDOWN CKT



DRAWING ISSUE	
6AC	WJC
	ATA
	FC
	WJC
7B	WJC
	FC
	WJC
8AC	WJC
	FC
9AR	WJC
	FC
10AR	WJC
	FC
11B	WJC
	FC
12B	WJC
	FC
13B	WJC
	FC
14AR	WJC
	FC
15AC	WJC
	FC
16D	WJC

REGULATED RECTIFIER

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SD-81540-01-2

6S