

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	95-135 190-275	1 Z 1 Y	1 PER CKT
NEGATIVE OUTPUT (POSITIVE GROUNDED)	1	X	1 PER CKT
POSITIVE OUTPUT (NEGATIVE GROUNDED)	1	W	1 PER CKT
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	1 PER CKT

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		
17D	F,U	U	108	F,U		
17D	AMMETERS		KS-14507 L24		KS-14784 L4	
18B	DIODE		109 485H	425H		
18B	DIODE		109 485L	425L		
18B						U

CIRCUIT NOTES: (CONT)

105. TRANSFORMER CODES AND TAPS ARE AS FOLLOWS. RECTIFIERS WILL 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	TRNSF 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.

109. REPLACEMENTS SHALL BE MADE WITH THE SAME TYPE DIODE AS ORIGINALLY FURNISHED.

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.

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.

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DRAWINGS	J87211A-()
EQUIPMENT DESIGN REQ'T	J87211
MAINTENANCE SPEC	169-245-301

OPTION INDEX

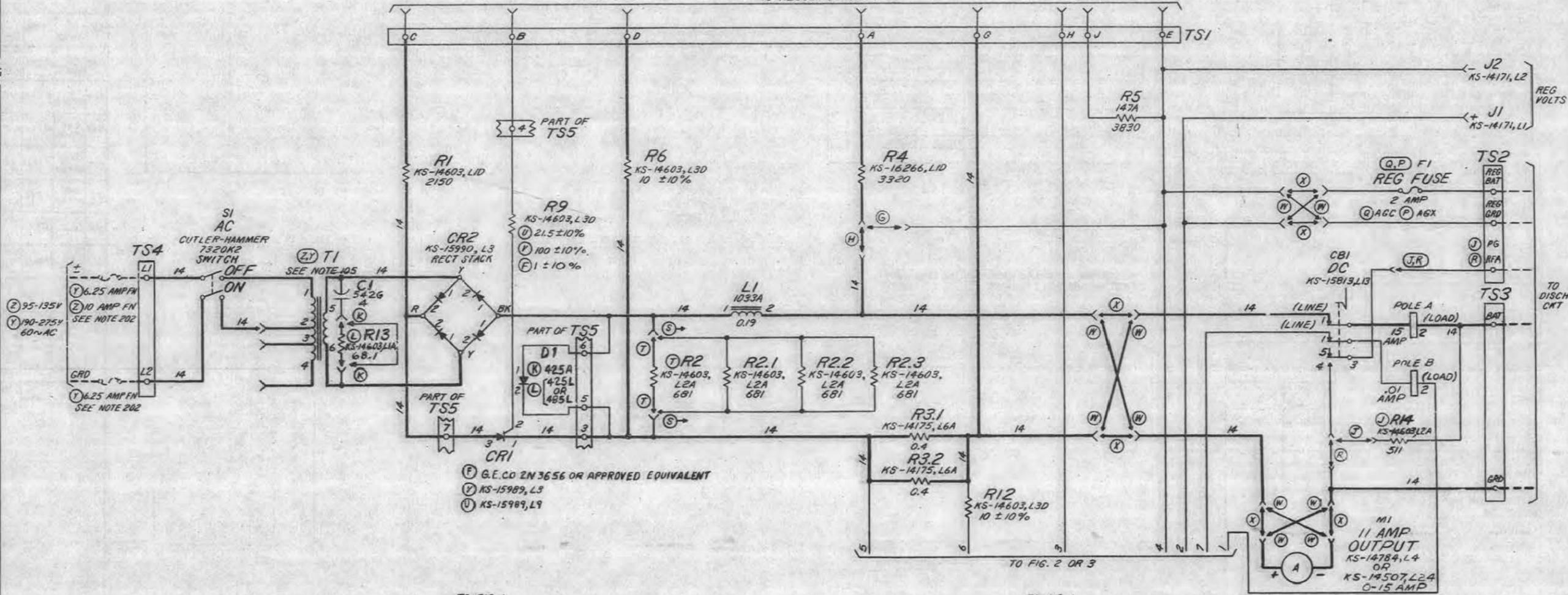
APP OR WRG	LOCATION
FIG. 1	2A4
FIG. 2	2F4
FIG. 3	2F7
Z	2C0, 2C1
Y	2C0, 2C1, 2D0
X	2B8, 2D6, 2D8
W	2B8, 2D6, 2D8
V	2C3, 2E2
U	2C3, 2D2
T	2D4
S	2D4
R	2C8, 2D8
Q	2B8
P	2B8
N	2F3, 2G3
M	2F3, 2G3
L	2D2, 2D3
K	2D2, 2D3
J	2C9, 2D8
H	2C5
G	2C5
F	2C5

ISS	CO	ISS	CO	ISS	CO
1	1	2A	2A	2A	2A
6AC	SAC	10-21-64	WJC	RS	CR
7B	SAC	11-21-64	WJC	RS	CR
8AC	SAC	12-7-64	WJC	RS	CR
9AR	SAC	6-7-65	FJB	CSX	FC
10AR	SAC	6-7-65	FJB	CSX	FC
11B	SAC	10-15-65	FJB	CSX	FC
12B	SAC	5-3-66	WJC	RS	CR
13B	GB	5-3-66	WJC	RS	CR
MAR	GB	6-13-66	WJC	RS	CR
15AC	GB	12-7-66	TWT	RR	CC
16D	GB	1-11-68	FJB	CSX	FC
17D	GB	9-9-68	RW	RR	US
18B	GB	9-23-68	JGT	FC	FC

SD-81540-01	1H99	AT&CO STANDARG
POWER SYSTEMS REGULATED RECTIFIER SEMI-CONDUCTOR TYPE 48 VOLTS, 11 AMPERES DC 115/230 VOLTS, 60 CYCLE AC J87211A		SD-81540-01-1
BELL TELEPHONE LABORATORIES INCORPORATED		2 SHEETS

FIG. 1
RECTIFIER CKT

TO REGULATOR CKT



- (F) G.E. CO ZN 3656 OR APPROVED EQUIVALENT
- (V) KS-15989, L3
- (U) KS-15989, L9

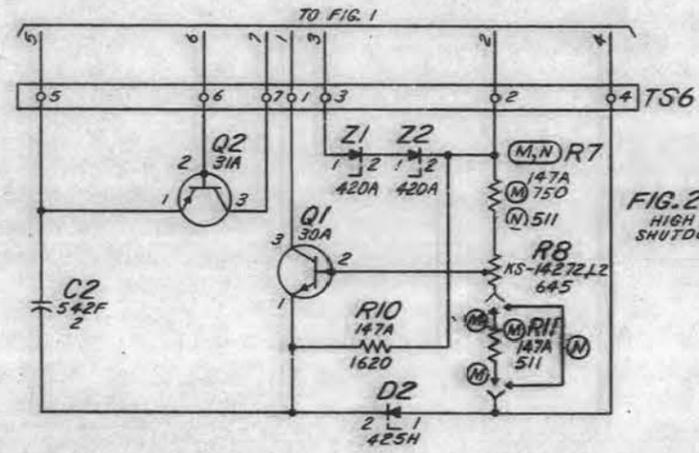


FIG. 2 (MFR DISC)
HIGH VOLTAGE SHUTDOWN CKT

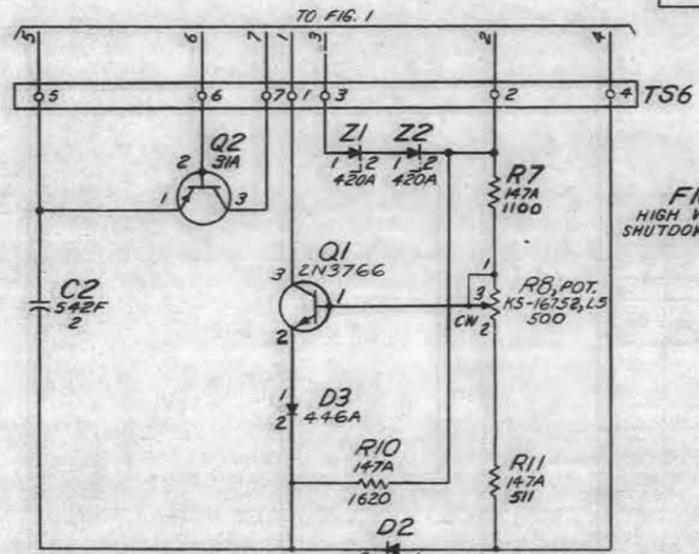
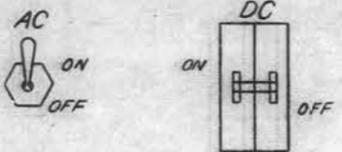


FIG. 3
HIGH VOLTAGE SHUTDOWN CKT



DRAWING	ISSUE
6AC	FC
7B	FC
BAC	FC
9AR	FC
10AR	FC
11B	FC
12B	FC
13B	FC
14AR	FC
15AC	FC
16D	FC
17D	FC
18B	FC