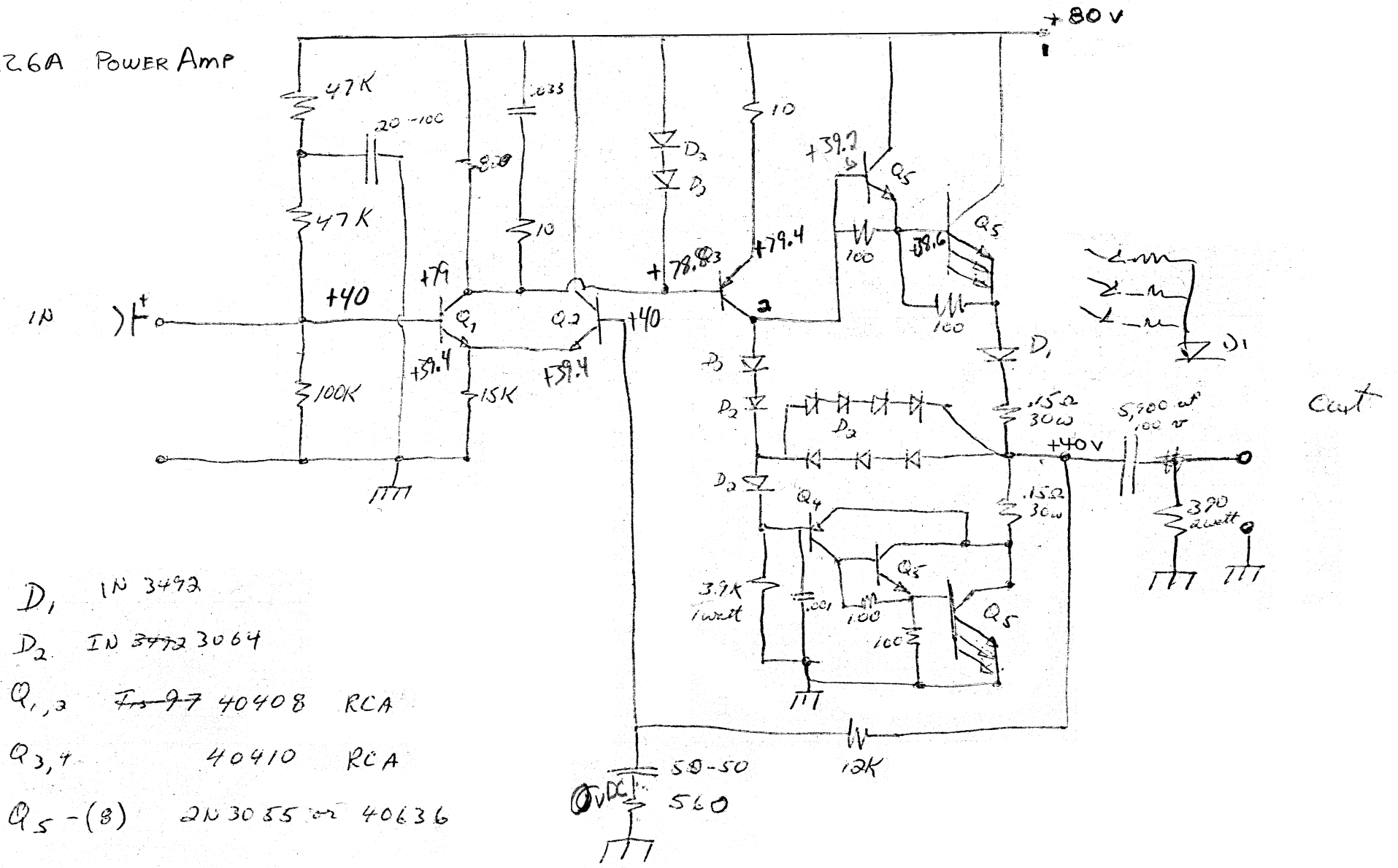
Early Service Documentation

GK GALLIEN-KRUEGER

Board#	*Type*	*Model*
*****	*****	226
*****	*****	300B,600B- very early
60000	PWR AMP	300B,300G,600B,600G,350PA
60001	PRE AMP	300G,600G
60002	PRE AMP	300B,600B
60003	EQ	NINE-BAND EQUALIZER
60004	PWR AMP	600B,600G,350PA
60005,6	PRE AMP	350PA
60008,9	ALL	200B,200G,200BT,200GT
60008,11	ALL	200B,200G,200BT,200GT
60012	PWR AMP	100G
60013	PRE AMP	100G
60014	PWR AMP	400B
60015	PWR AMP	210G,212G
60017	PWR AMP	1000S/SB
60018	X-OVER	1000S/SB
60019	PRE AMP	400B
60020	X-OVER	1000S/SB
60021,2	PWR AMP	1000S/SB
60024	PWR AMP	400B
60025	PRE AMP	210G
60028	PRE AMP	400GT
60029	PRE AMP	212G
60030	P/S	210G,212G
60031	PRE AMP	112SC,150GT
60032	PWR AMP	112SC,150GT
60033	FT. SWITCH	112SC,150GT,212SC,300GT
60034	PRE AMP	212SC,300GT
60035	PWR AMP	212SC,300GT
60036	PRE AMP	112LC
60037	PRE AMP	210LC
60038	PRE AMP	212LC
60039	PWR AMP	112LC,210LC,212LC,115BC,200RG
60040	PRE AMP	115BC,200RB
60043	PWR AMP	400RG
60046	PWR AMP	200RG,112LC
60053	ALL	200MP
60058	ALL	RFG5 FOOTSWITCH
60059	ALL	2000CPL

226A Power Amp



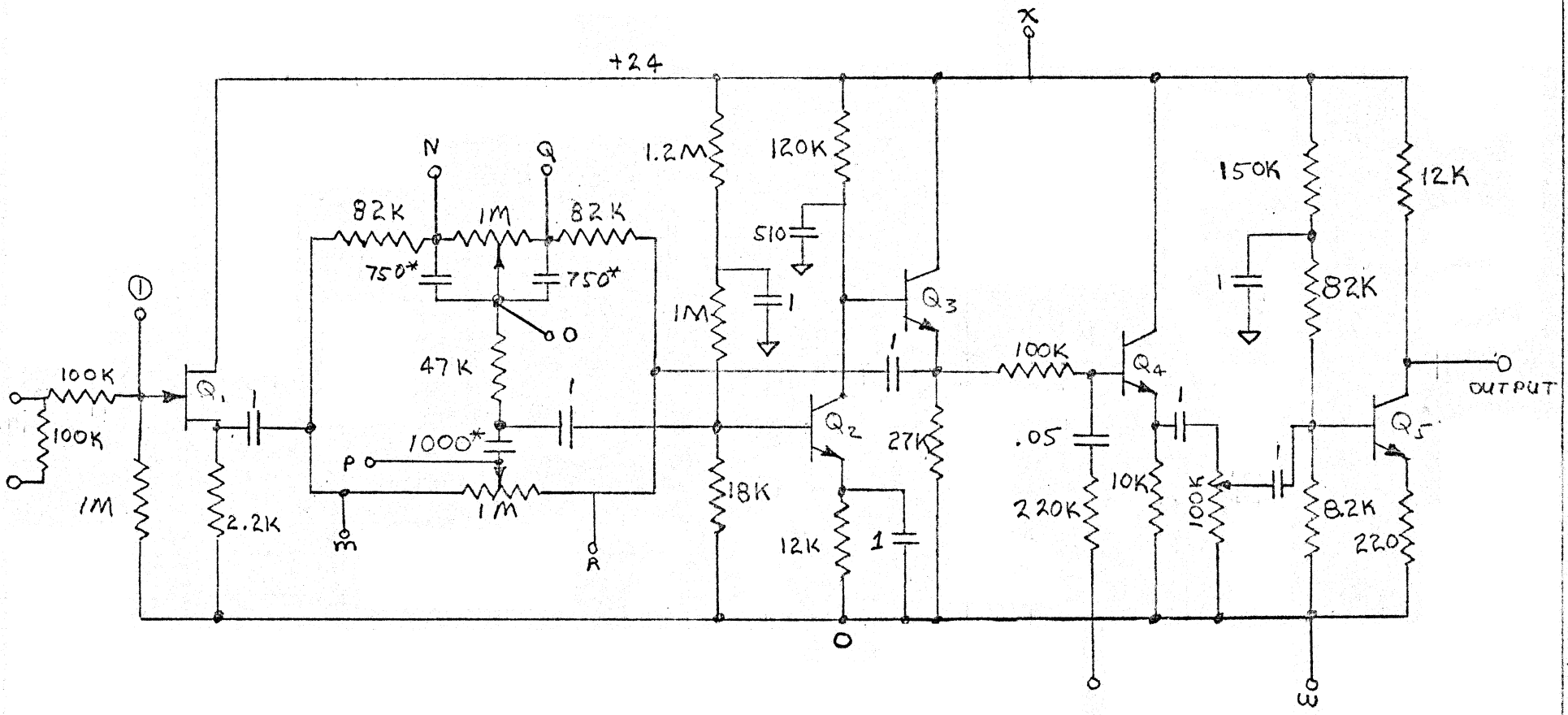
D_1 IN 3492

D_2 IN ~~3772~~ 3064

$Q_{1,2}$ ~~I-97~~ 40408 RCA

$Q_{3,4}$ 40410 RCA

Q_5 - (8) 2N3055 or 40636



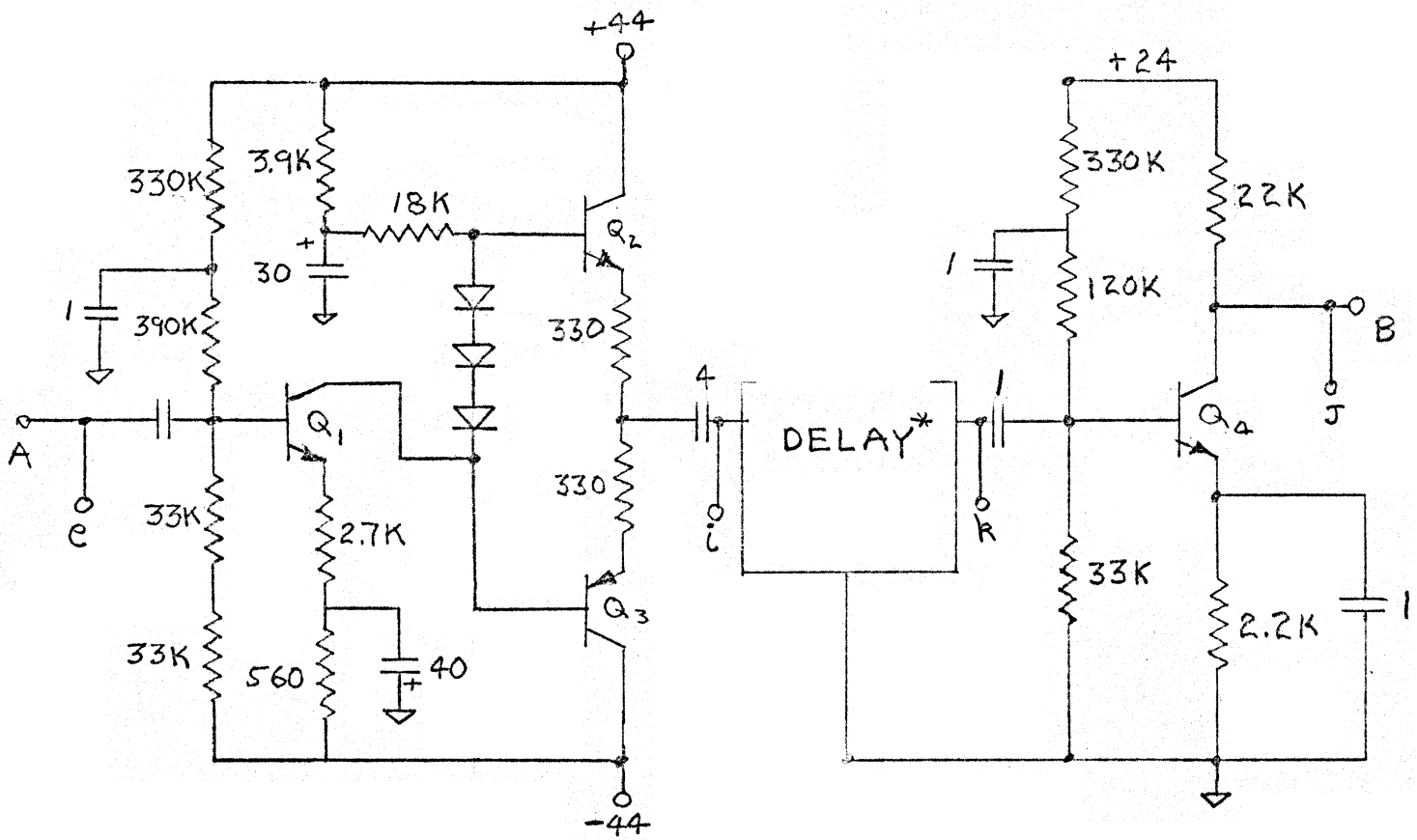
1). Modulator Input

2) REVERB INPUT

3) reverb OUTPUT

* 10% cap

GMI	GUITAR PREAMPLIFIER
5/27/68	BOB GALLIEN



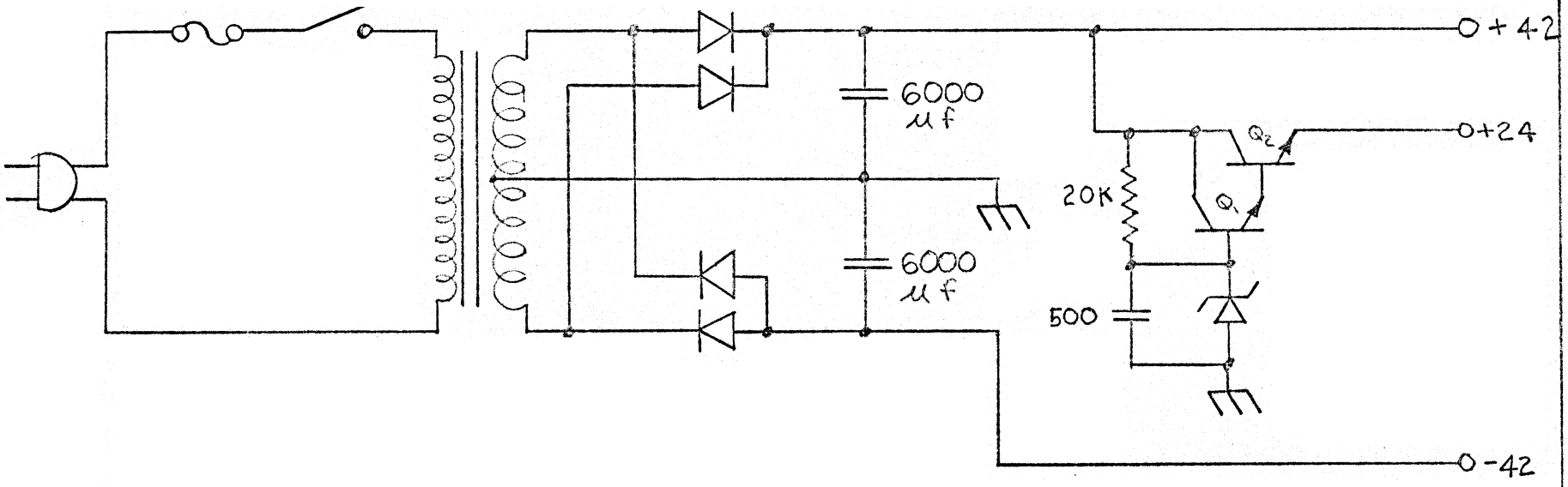
A) from pt 3 on Preamp

B) To output of Preamp.

Q_1 - TIS98 , Q_2 - 40409
Q_3 - 40410 , Q_4 - TIS97

* Gibbs Type IV

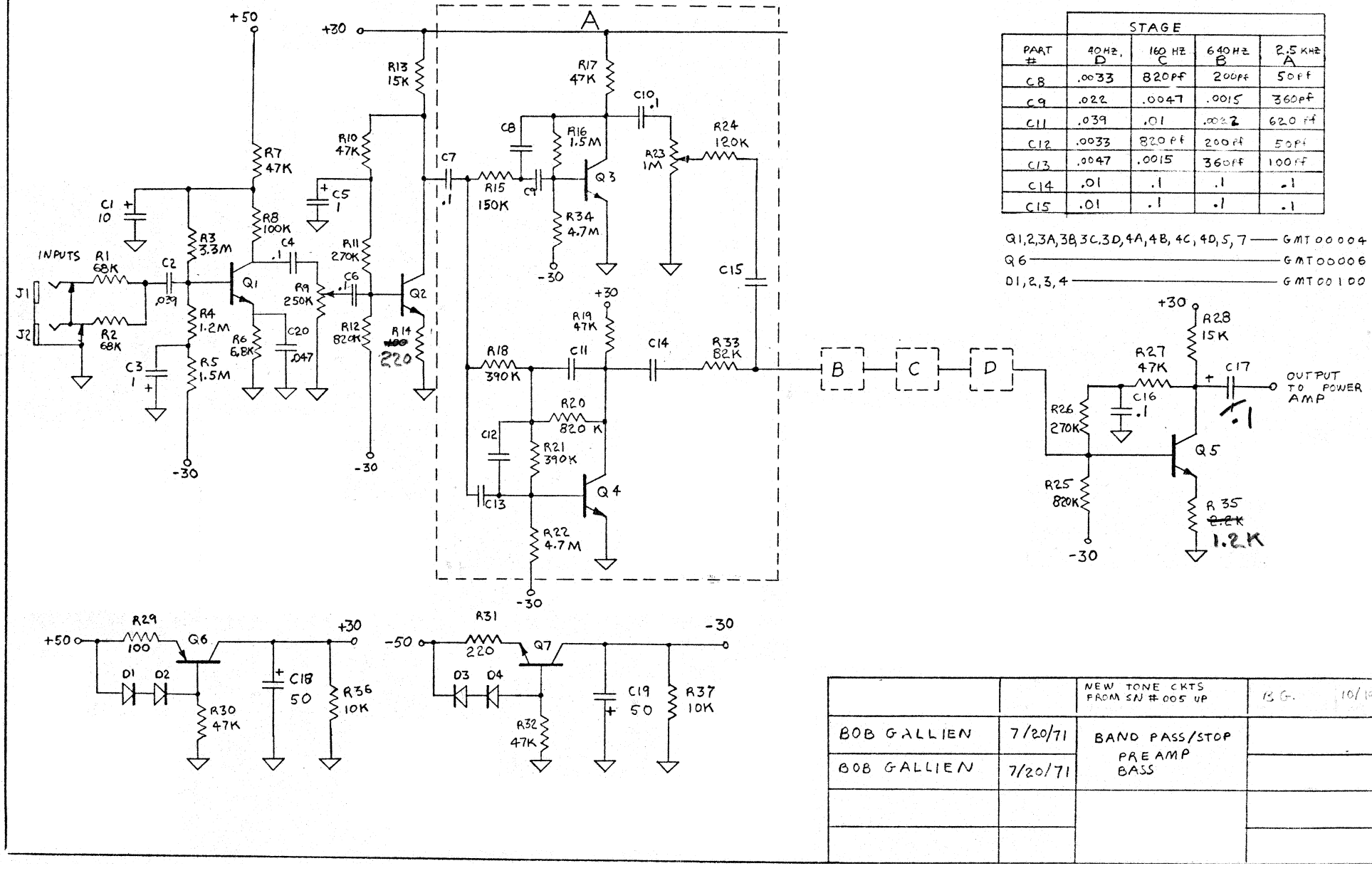
GMI	226 REVERB CIRCUIT
5/27/68	BOB GALLIEN



Q_1 = T1597

Q_2 = 2N3053

GMI	226 POWER SUPPLY
6/3/68	BOB GALLIEN



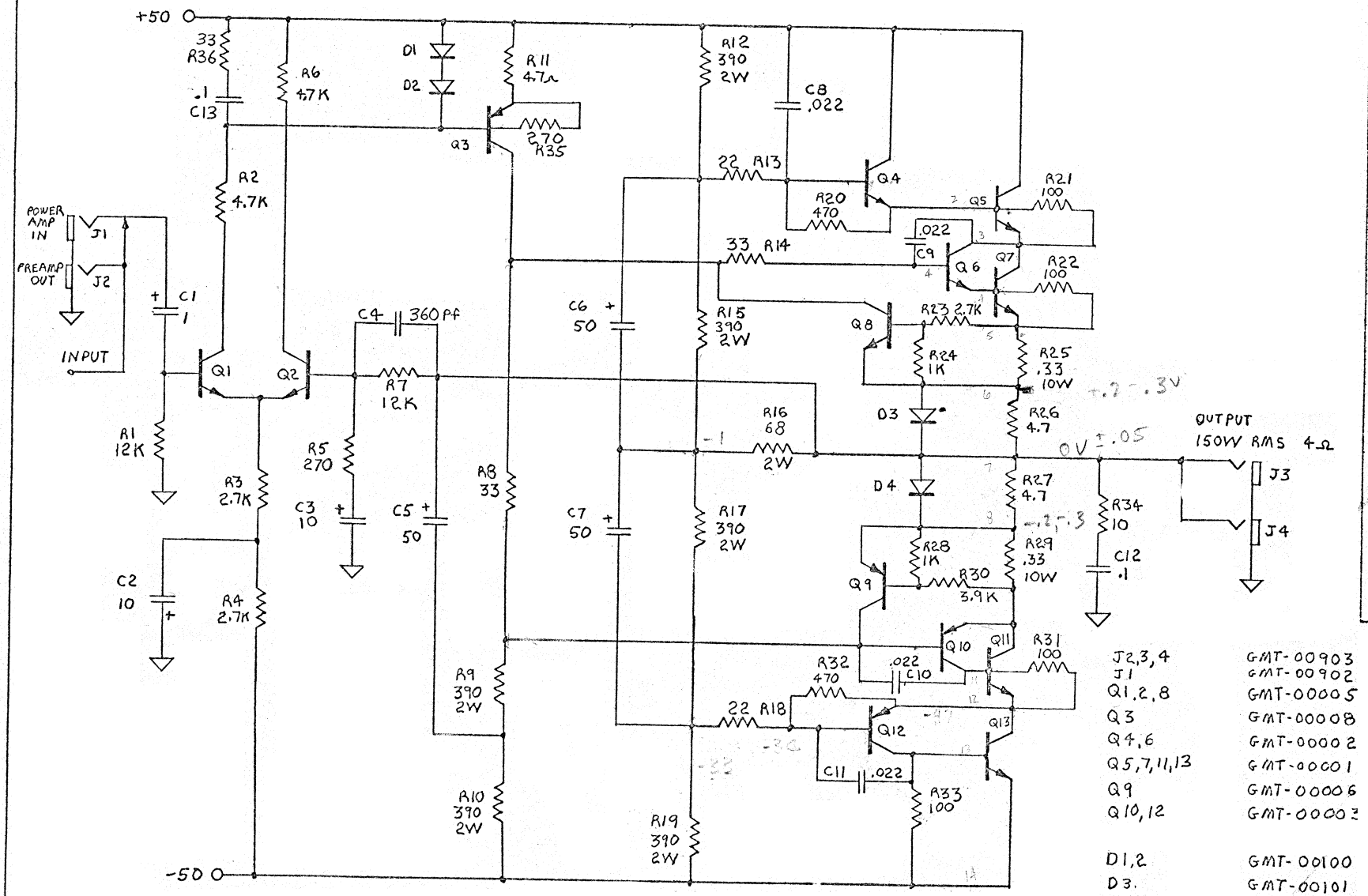
PART #	STAGE D 40 Hz	C 160 Hz	B 640 Hz	A 2.5 KHz
C8	.0033	820pf	200pf	50pf
C9	.022	.0047	.0015	360pf
C11	.039	.01	.0032	620 pf
C12	.0033	820 pf	200 pf	50pf
C13	.0047	.0015	360pf	100pf
C14	.01	.1	.1	.1
C15	.01	.1	.1	.1

Q1,2,3A,3B,3C,3D,4A,4B, 4C, 4D, 5, 7 — GMT00004

Q6 — GMT00006

D1, 2, 3, 4 — GMT00100

		NEW TONE CKTS FROM SN # 005 UP	B.G. 10/19/71
BOB GALLIEN	7/20/71	BAND PASS/STOP PREAMP BASS	
BOB GALLIEN	7/20/71		

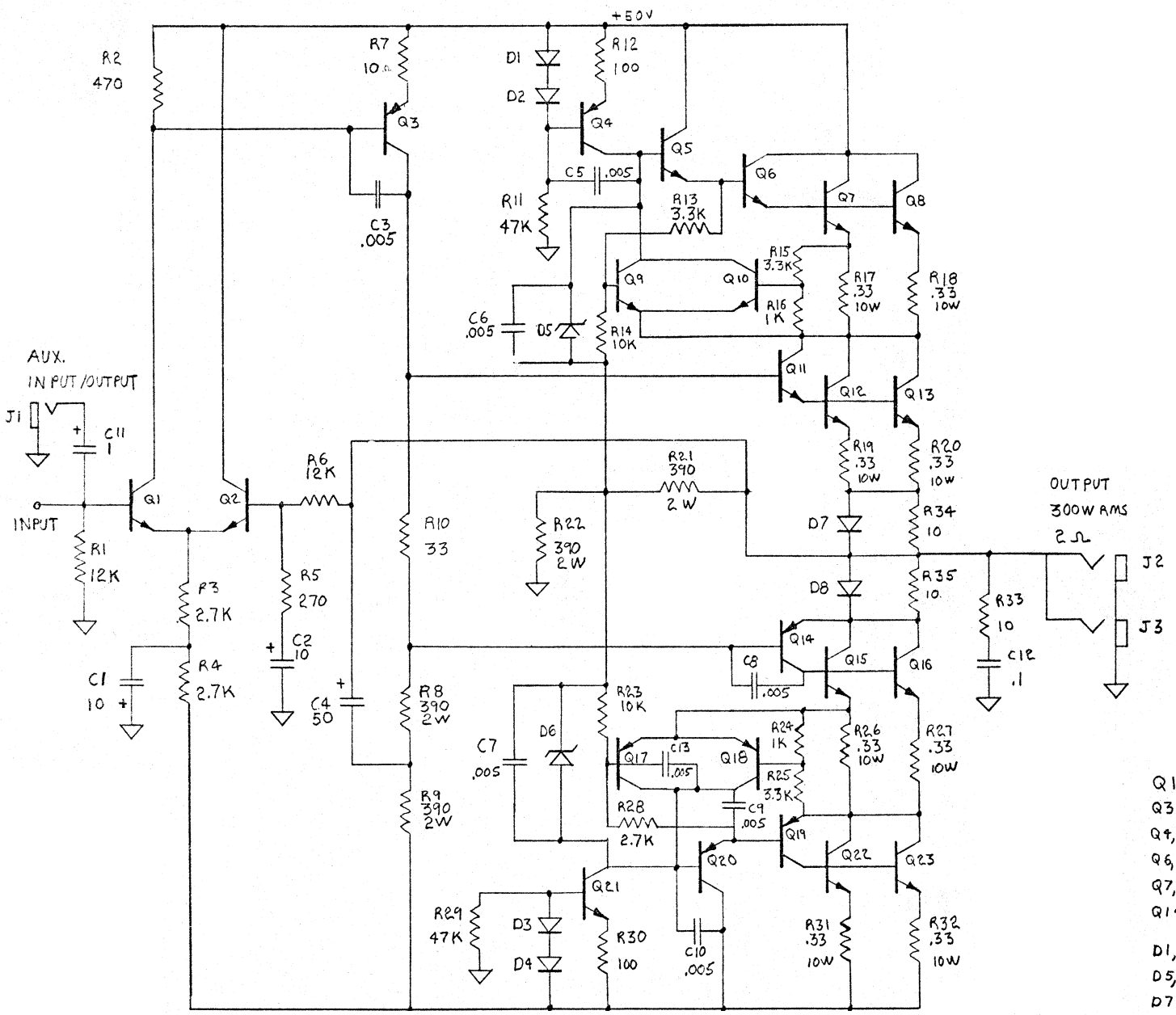


J2,3,4	GMT-00903
J1	GMT-00902
Q1,2,8	GMT-00005
Q3	GMT-00008
Q4,6	GMT-00002
Q5,7,11,13	GMT-00001
Q9	GMT-00006
Q10,12	GMT-00003
D1,2	GMT-00100
D3.	GMT-00101
D4	GMT-00103

300 POWER AMP 150W RMS

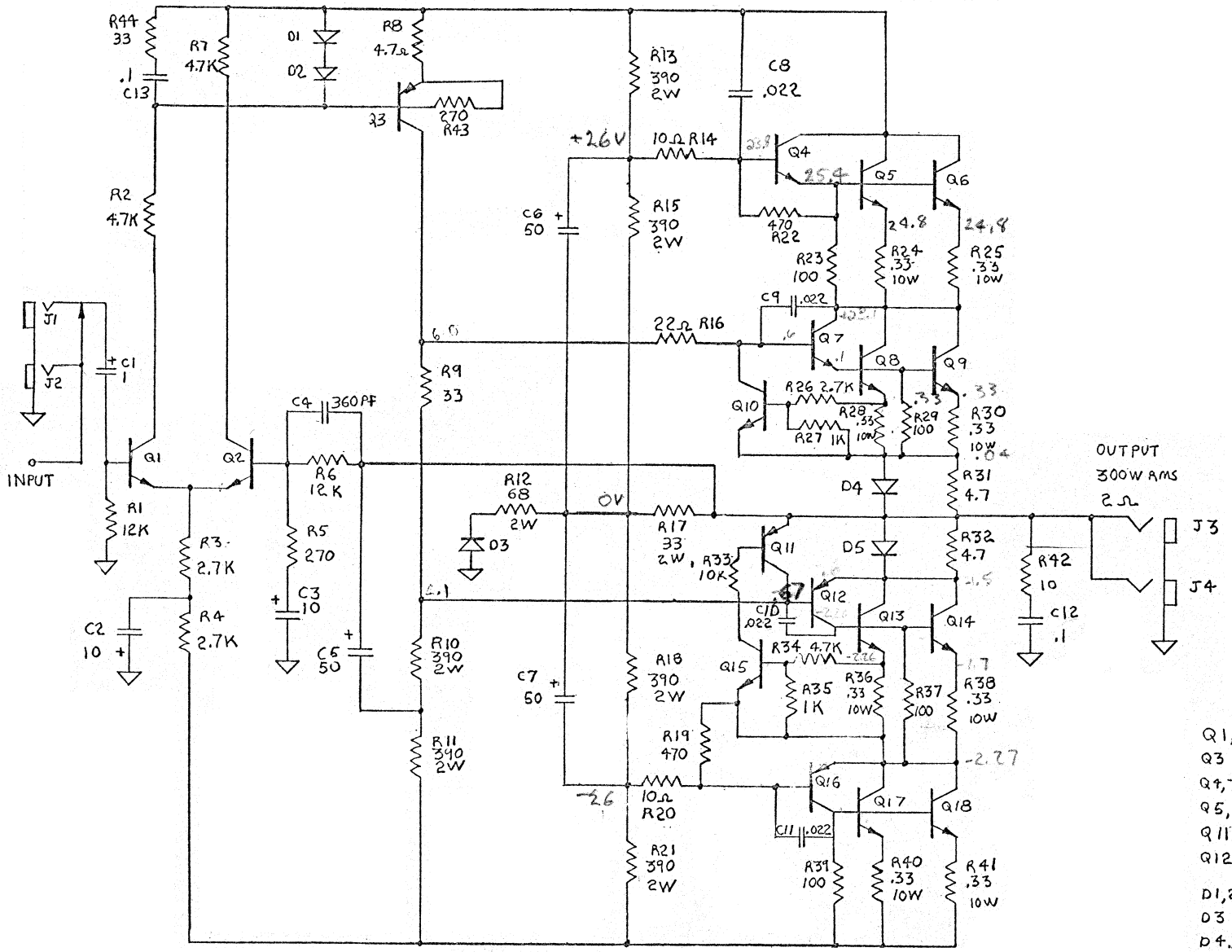
BOB GALLIEN

BOB GALLIEN



Q1,2,5,9,10,21	GMT 00005
Q3	GMT 00008
Q4,17,18,20	GMT 00009
Q6,11	GMT 00002
Q7,8,12,13,15,16,22,23	GMT 00001
Q14,19	GMT 00003
D1,2,3,4	GMT 00100
D5,6	GMT 00104
D7	GMT 00101
D8	GMT 00103

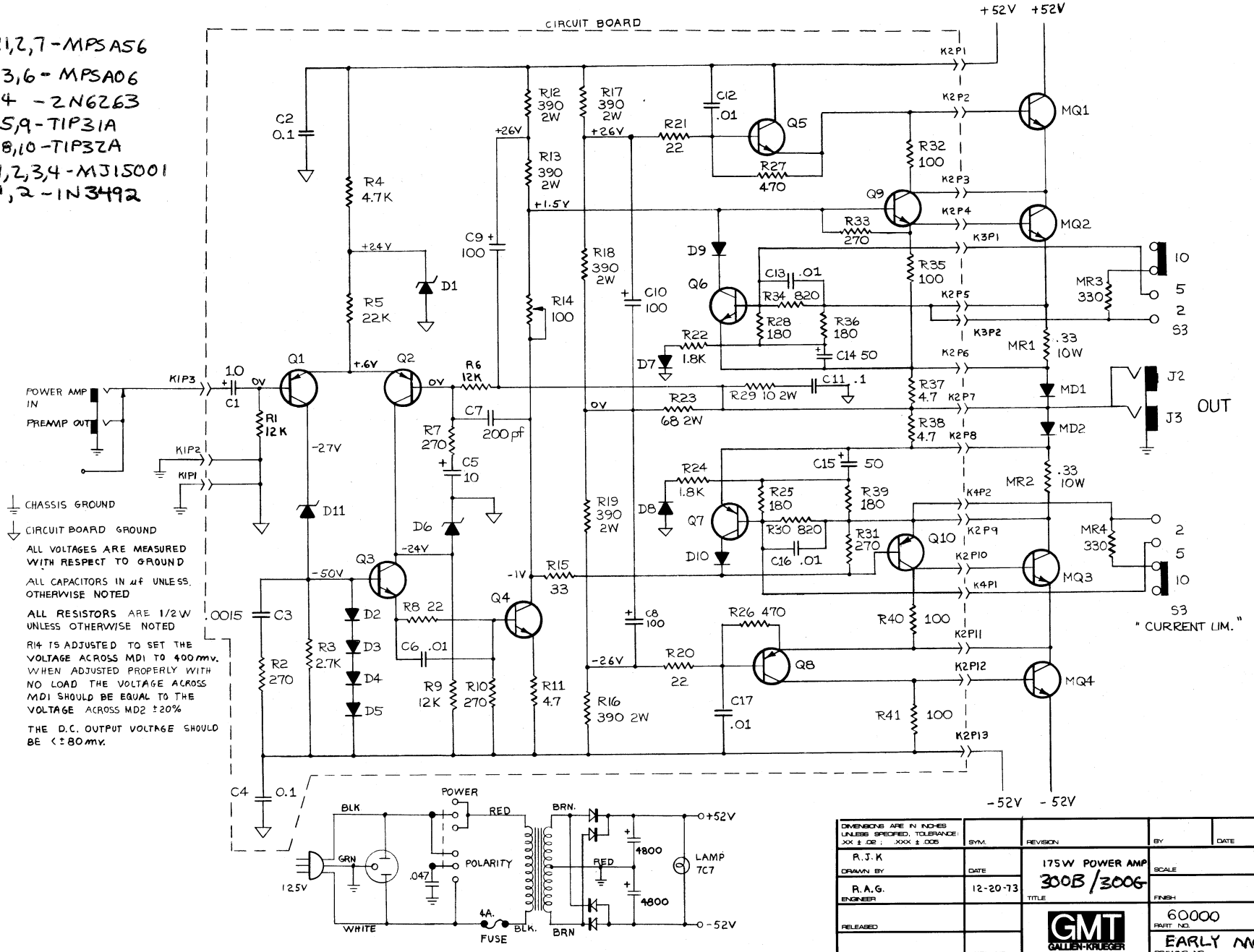
BOB GALLIEN	7/20/71	300W POWER AMP	
BOB, GALLIEN	7/20/71		



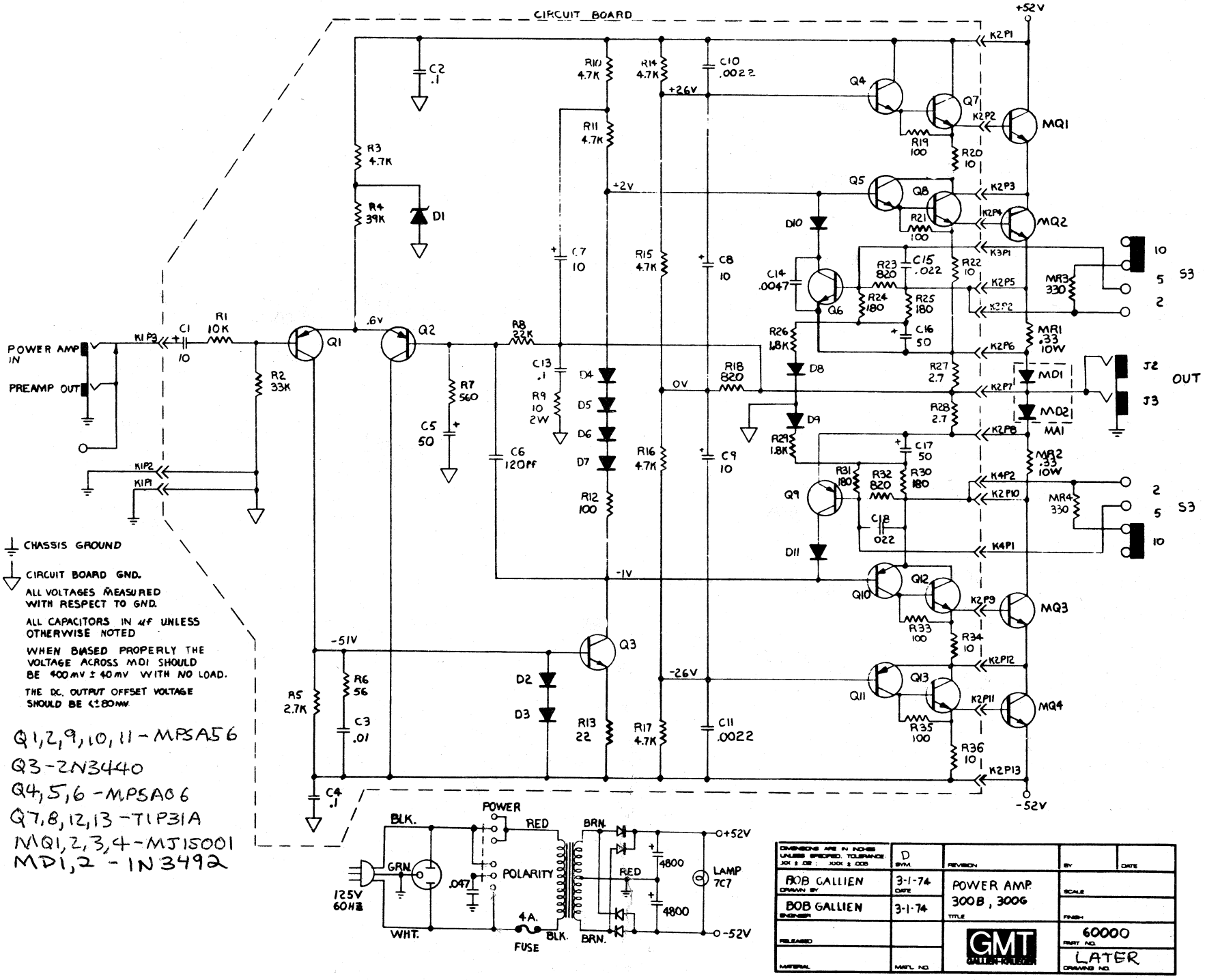
Q1, 2, 10, 15	GMT 00005
Q3	GMT 00008
Q4, 7	GMT 00002
Q5, 6, 8, 9, 13, 14, 17, 18	GMT 00001
Q11	GMT 00006
Q12, 16	GMT 00003
D1, 2	GMT 00100
D3	GMT 00105
D4	GMT 00101
D5	GMT 00103

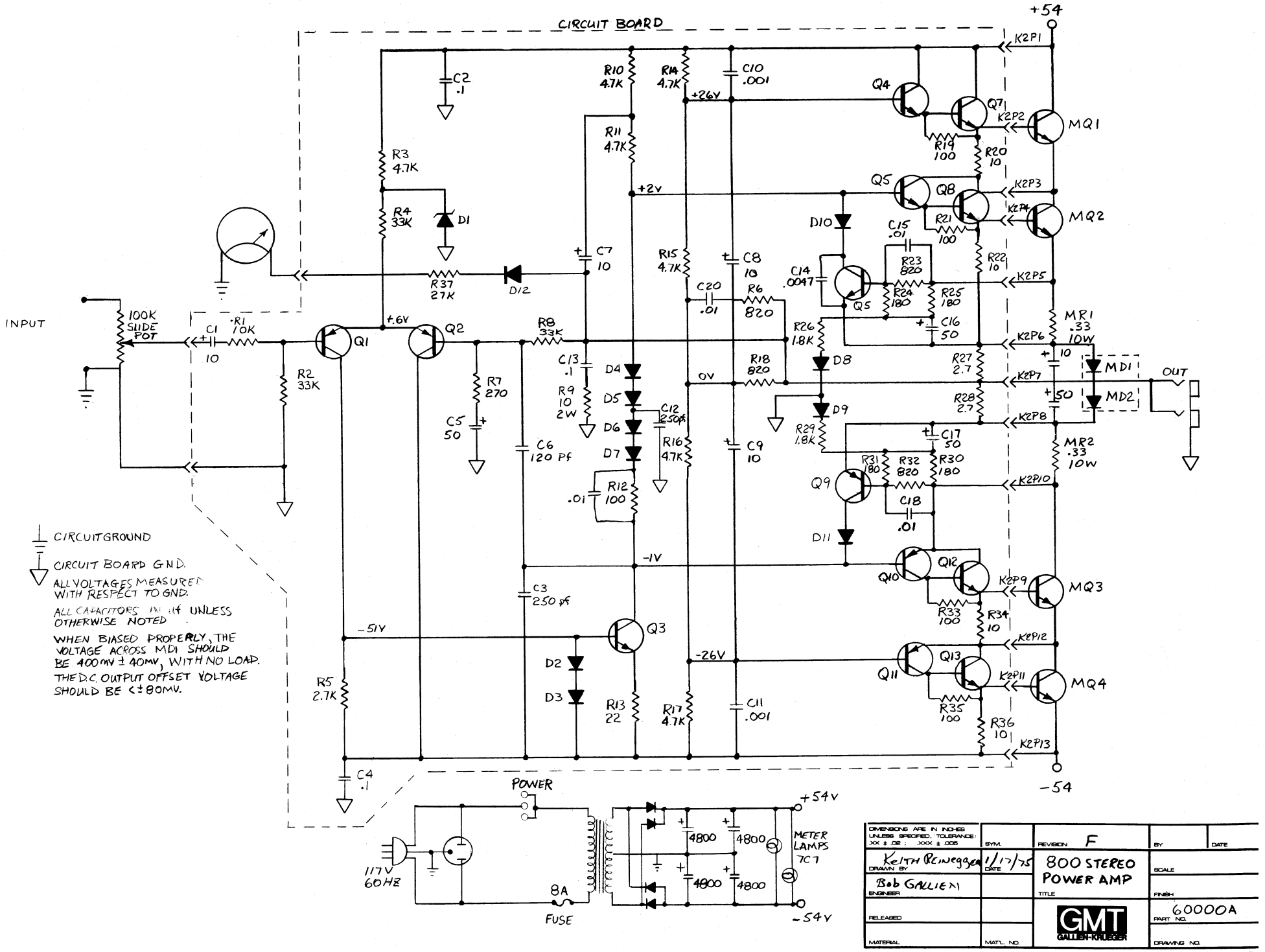
DIMENSIONS ARE IN INCHES UNLESS SPECIFIED, TOLERANCE: XX ± .02 ; .XXX ± .005	
DRAWN BY	BOB GALLIEN
ENGINEER	BOB GALLIEN
RELEASED	
MATERIAL	
SYM.	
DATE	7/20/71
DATE	7/20/71
REVISION	
TITLE	300W. POWER AMP
BY	
SCALE	
FINISH	
PART NO.	-
DRAWING NO.	GMT
MATL. NO.	

Q1,2,7 - MPSA56
Q3,6 - MPSA06
Q4 - 2N6263
Q5,9 - TIP31A
Q8,10 - TIP32A
MQ1,2,3,4 - MJ15001
MD1,2 - 1N3492

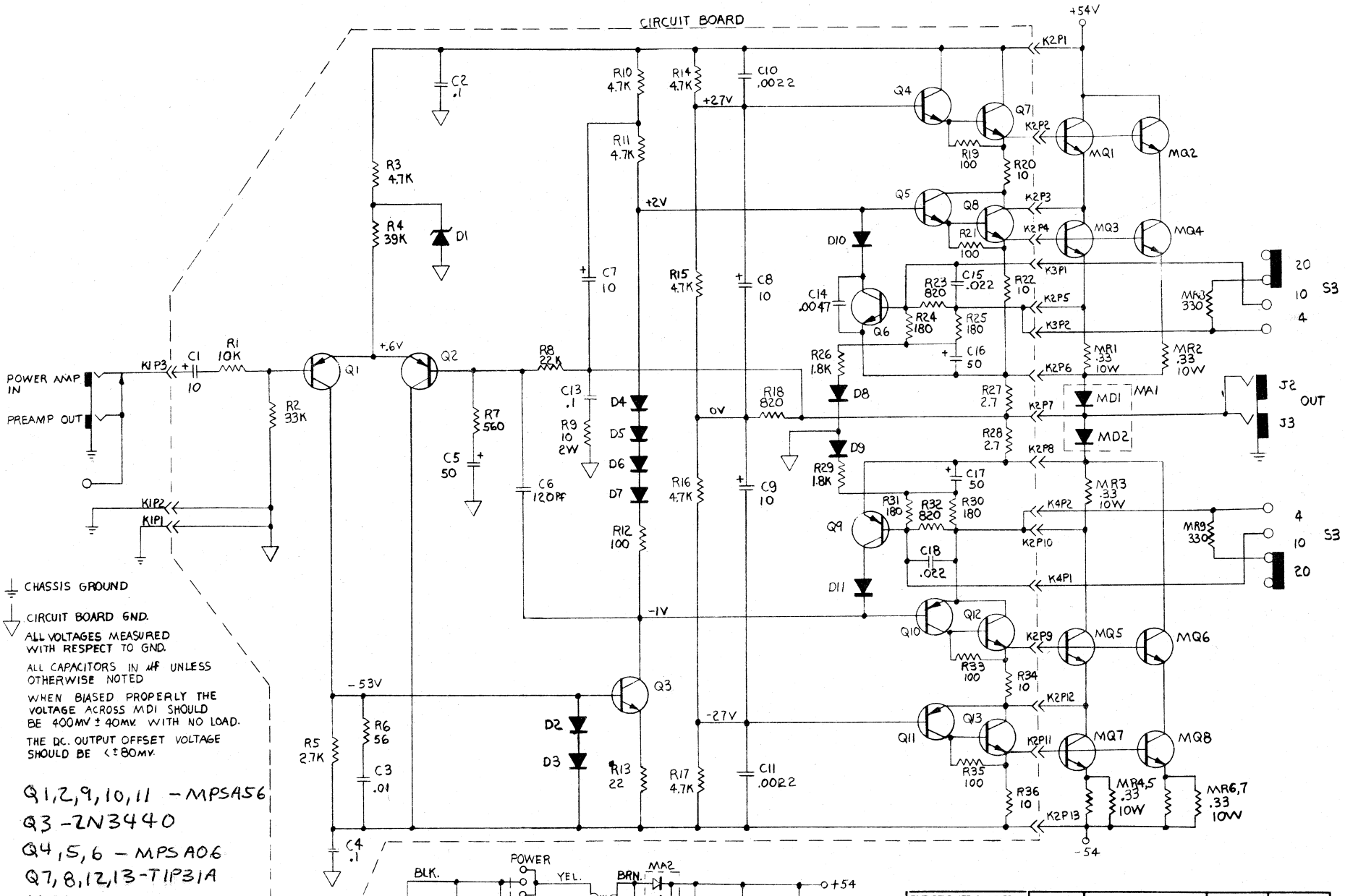


DIMENSIONS ARE IN INCHES UNLESS SPECIFIED, TOLERANCE: XX ± .02 ; XXX ± .005	SYM.	REVISION		BY	DATE
R.J.K DRAWN BY	DATE	175W POWER AMP 300B/300C		SCALE	
R.A.G. ENGINEER	12-20-73	TITLE		FINISH	
RELEASED		GMT GALLIEN-KRUEGER		60000 PART NO.	
MATERIAL	MATL NO.			EARLY MOD. DRAWING NO.	


CIRCUIT BOARD
POWER AMP IN
PREAMP OUT
K1P3
K1P2
K1P1
C1 10
R1 10K
R2 33K
Q1
Q2
.6V
R3 4.7K
R4 39K
D1
C2 .1
R8 22K
C7 10
C13 .1
R9 10 2W
D4
D5
D6
D7
R12 100
C6 120PF
C5 50
R7 560
R10 4.7K
R11 4.7K
R14 4.7K
C10 .0022
+26V
+2V
R15 4.7K
C8 10
R16 4.7K
C9 10
R18 820
0V
-1V
-51V
Q3
D2
D3
R13 22
R17 4.7K
C11 .0022
-26V
R5 2.7K
R6 56
C3 .01
C4 .1
Q4
Q7
MQ1
R19 100
R20 10
Q5
Q8
MQ2
R21 100
D10
C14 .0047
Q6
R23 820
C15 .022
R22 10
R24 180
R25 180
C16 50
K2P5
K2P6
K2P7
K2P8
K3P1
MR3 330
MR1 .33 10W
R26 1.8K
D8
R27 2.7
MD1
MD2
MA1
R28 2.7
D9
R29 1.8K
C17 50
R31 180
R32 820
R30 180
Q9
C18 022
D11
K4P2
K2P10
K4P1
MR2 .33 10W
MR4 330
Q10
Q12
MQ3
R33 100
R34 10
K2P9
K2P12
Q11
Q13
MQ4
R35 100
R36 10
K2P11
K2P13
-52V
J2
J3
OUT
10
5
2
S3
CHASSIS GROUND
CIRCUIT BOARD GND.
ALL VOLTAGES MEASURED WITH RESPECT TO GND.
ALL CAPACITORS IN μF UNLESS OTHERWISE NOTED
WHEN BIASED PROPERLY THE VOLTAGE ACROSS MD1 SHOULD BE 400mv ± 40mv WITH NO LOAD.
THE DC. OUTPUT OFFSET VOLTAGE SHOULD BE ≤±80mv.
Q1,2,9,10,11 - MPSA56
Q3 - 2N3440
Q4,5,6 - MPSA06
Q7,8,12,13 - TIP31A
MQ1,2,3,4 - MJ15001
MD1,2 - IN3492
POWER
BLK.
RED
BRN.
GRN.
125V 60Hz
.047
POLARITY
4800
4800
RED
LAMP 7C7
4A.
FUSE
WHT.
BLK.
BRN.
+52V
-52V
DIMENSIONS ARE IN INCHES UNLESS SPECIFIED. TOLERANCE .XX ± .03 : .XXX ± .005
D
SYM.
REVISION
BY
DATE
BOB GALLIEN
DRAWN BY
3-1-74
DATE
BOB GALLIEN
ENGINEER
3-1-74
RELEASED
MATERIAL
MATL. NO.
POWER AMP 300B, 300G
TITLE
SCALE
FINISH
GMT
GALLIEN-KRUEGER
60000
PART NO.
LATER
DRAWING NO.

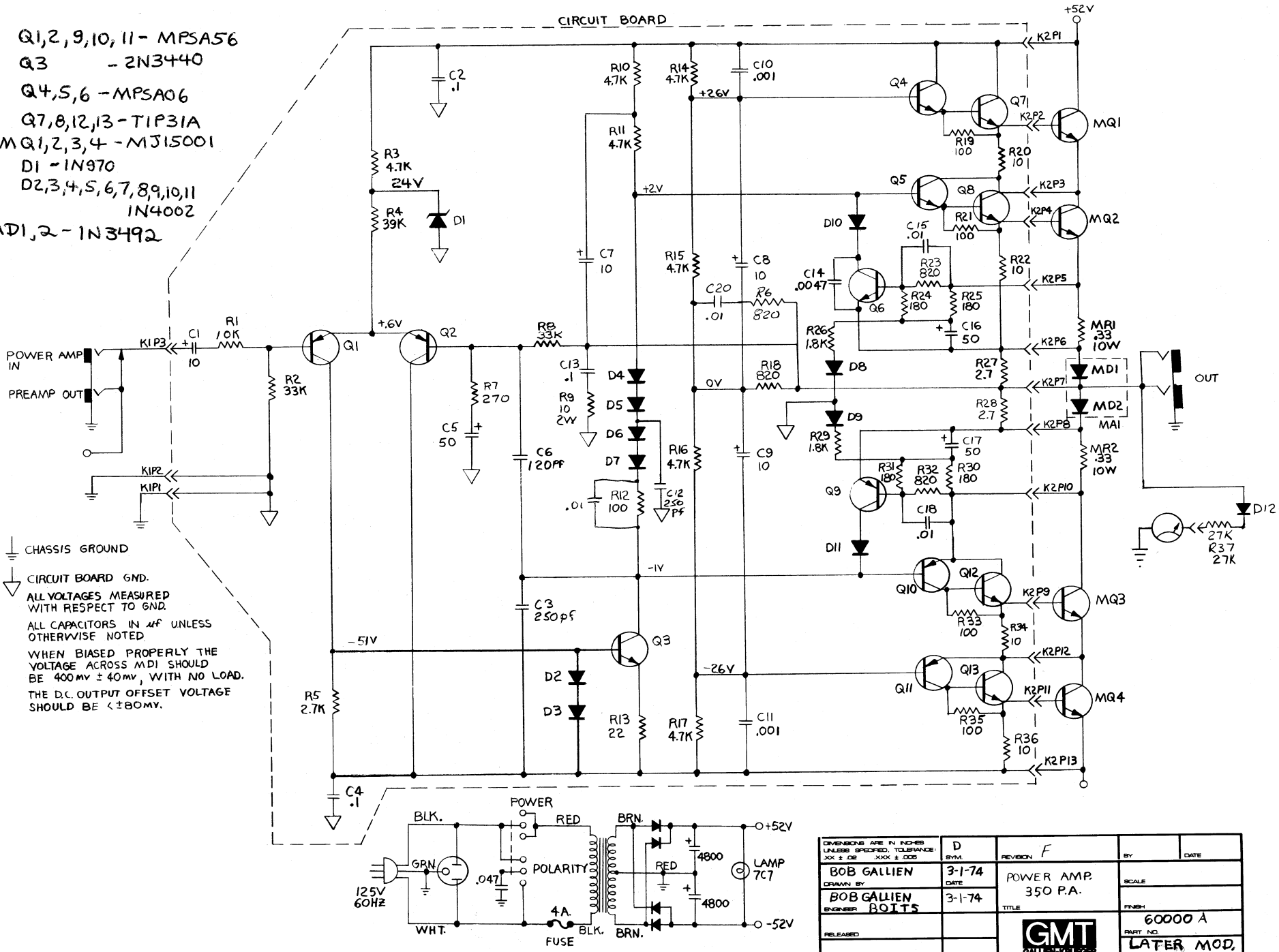


DIMENSIONS ARE IN INCHES UNLESS SPECIFIED. TOLERANCE: .XX ± .02 ; .XXX ± .005	SYM.	REVISION F	BY	DATE
DRAWN BY Keith Reinegger	DATE 1/17/75	800 STEREO POWER AMP	SCALE	
ENGINEER Bob GALLIEN		TITLE	FINISH	
RELEASED		GMT GALLIEN-KRUEGER	PART NO. 60000A	
MATERIAL	MATL. NO.		DRAWING NO.	

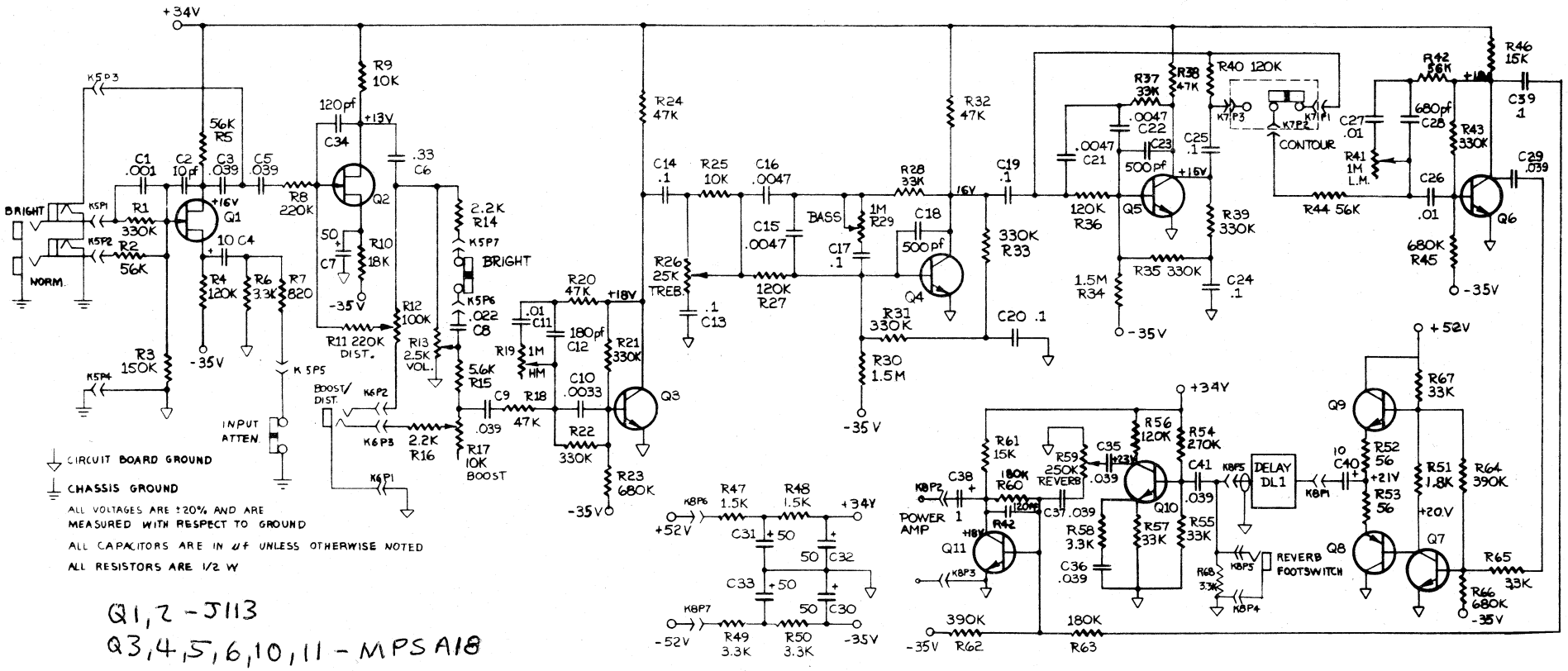


DIMENSIONS ARE IN INCHES UNLESS SPECIFIED. TOLERANCE XX ± .02 XXX ± .005	D SYM	REVISION	BY / DATE
BOB GALLIEN DRAWN BY	3-1-74 DATE	POWER AMP 600B, 600G TITLE 200W	SCALE
BOB GALLIEN ENGINEER	3-1-74		FINISH
RELEASED		GMT GALLIEN-KRUEGER	60000 PART NO.
MATERIAL	MATL NO.		DRAWING NO.

Q1,2,9,10,11 - MPSA56
Q3 - 2N3440
Q4,5,6 - MPSA06
Q7,8,12,13 - TIP31A
MQ1,2,3,4 - MJ15001
D1 - 1N970
D2,3,4,5,6,7,8,9,10,11 1N4002
MD1,2 - 1N3492

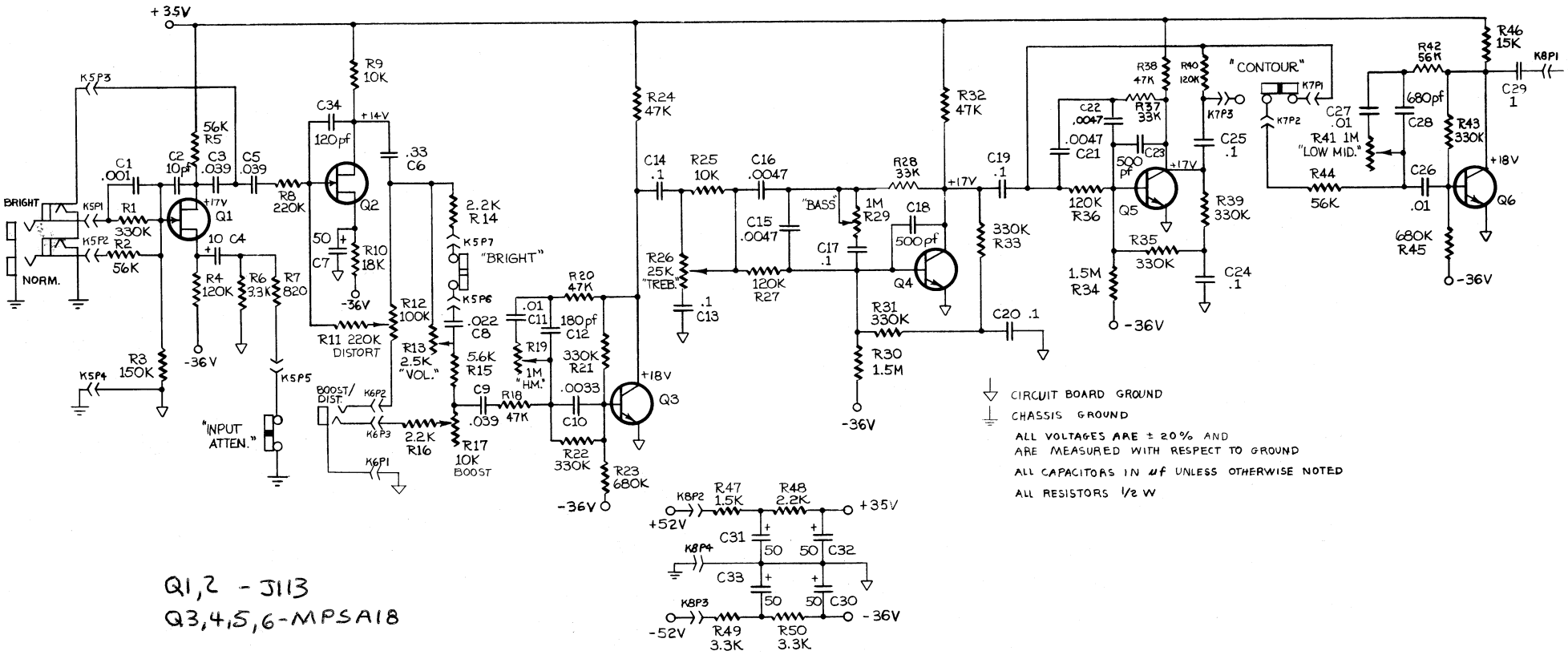


DIMENSIONS ARE IN INCHES UNLESS SPECIFIED. TOLERANCE: XX ± .02 XXX ± .005	D SYM.	REVISION F		BY	DATE
BOB GALLIEN DRAWN BY	3-1-74 DATE	POWER AMP. 350 P.A. TITLE		SCALE	
BOB GALLIEN ENGINEER BOITS	3-1-74			FINISH	
RELEASED		GMT GALLIEN-KRUEGER		60000 A PART NO.	
MATERIAL	MATL. NO.			LATER MOD. DRAWING NO.	



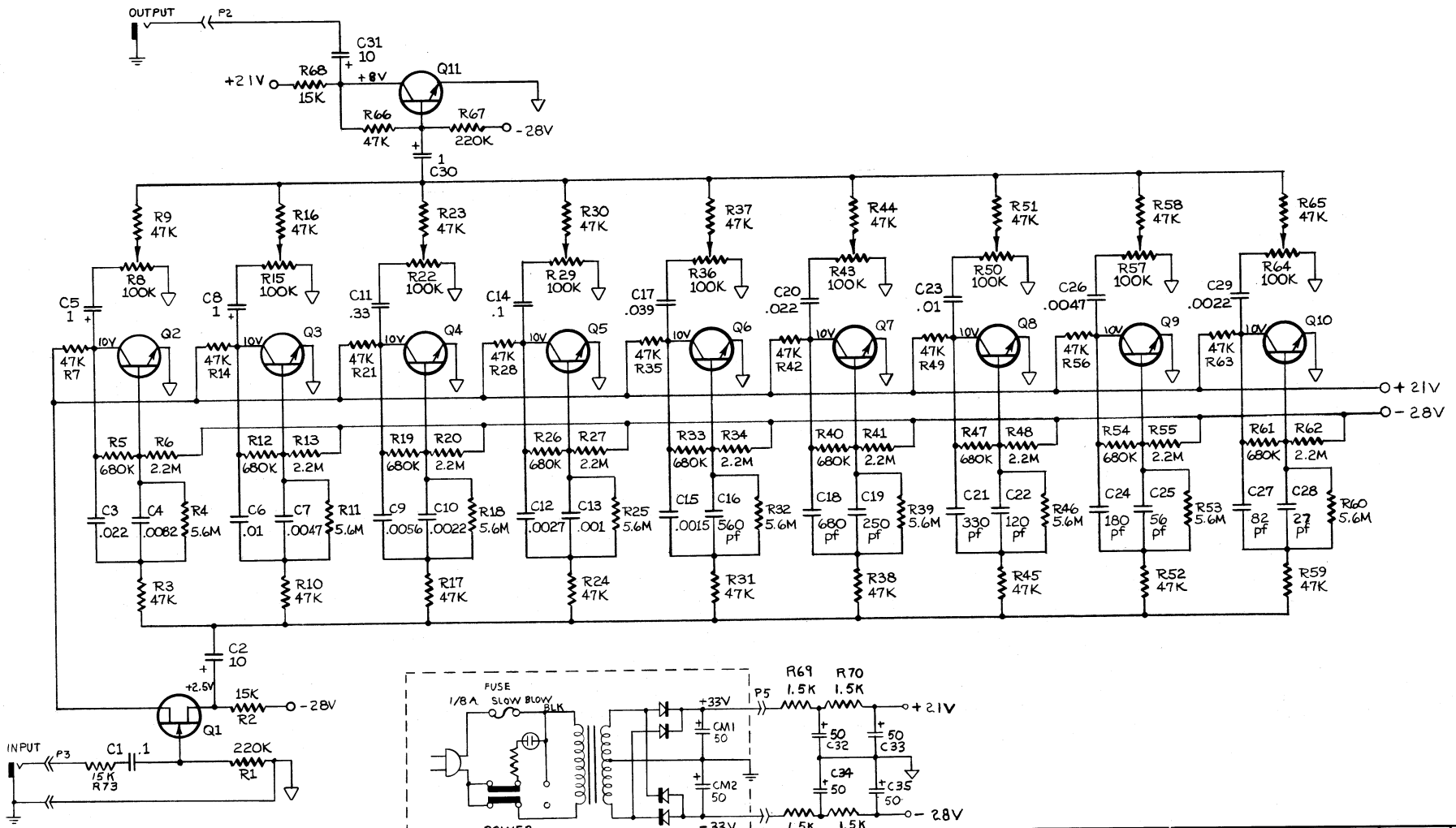
Q1,2 - J113
Q3,4,5,6,10,11 - MPSA18
Q7,9 - MPSA06
Q8 - MPSA56

DIMENSIONS ARE IN INCHES UNLESS SPECIFIED. TOLERANCE .XX ± .02 .XXX ± .005	SYM.	REVISION	BY	DATE
R.J.K. DRAWN BY	12-1-73 DATE	LEAD PREAMP 300G/600G TITLE	SCALE	
R.A.G. ENGINEER	12-1-73		FINISH	
RELEASED		GMT	60001 PART NO.	
MATERIAL	MATL. NO.		DRAWING NO.	



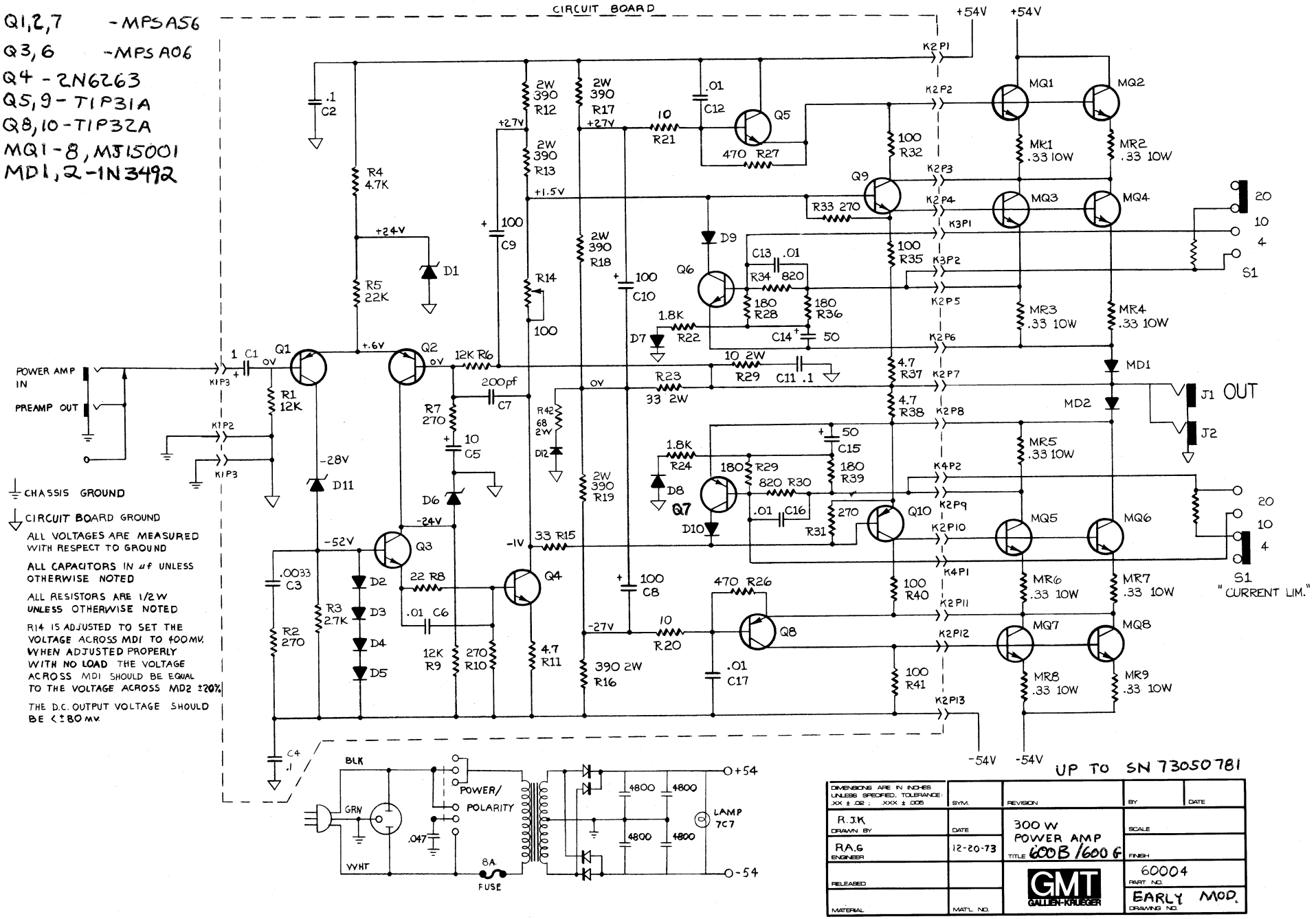
Q1,2 - J113
Q3,4,5,6-MPSA18

DIMENSIONS ARE IN INCHES UNLESS SPECIFIED, TOLERANCE: XX ± .02 ; XXX ± .005	SYM.	REVISION	BY	DATE
R.J.K DRAWN BY	DATE	BASS PREAMP 300B/600B	SCALE —	
R.A.G ENGINEER		TITLE	FINISH —	
RELEASED		GMT GALLIEN-KRUEGER	60002 PART NO.	
MATERIAL	MATL NO.		DRAWING NO.	



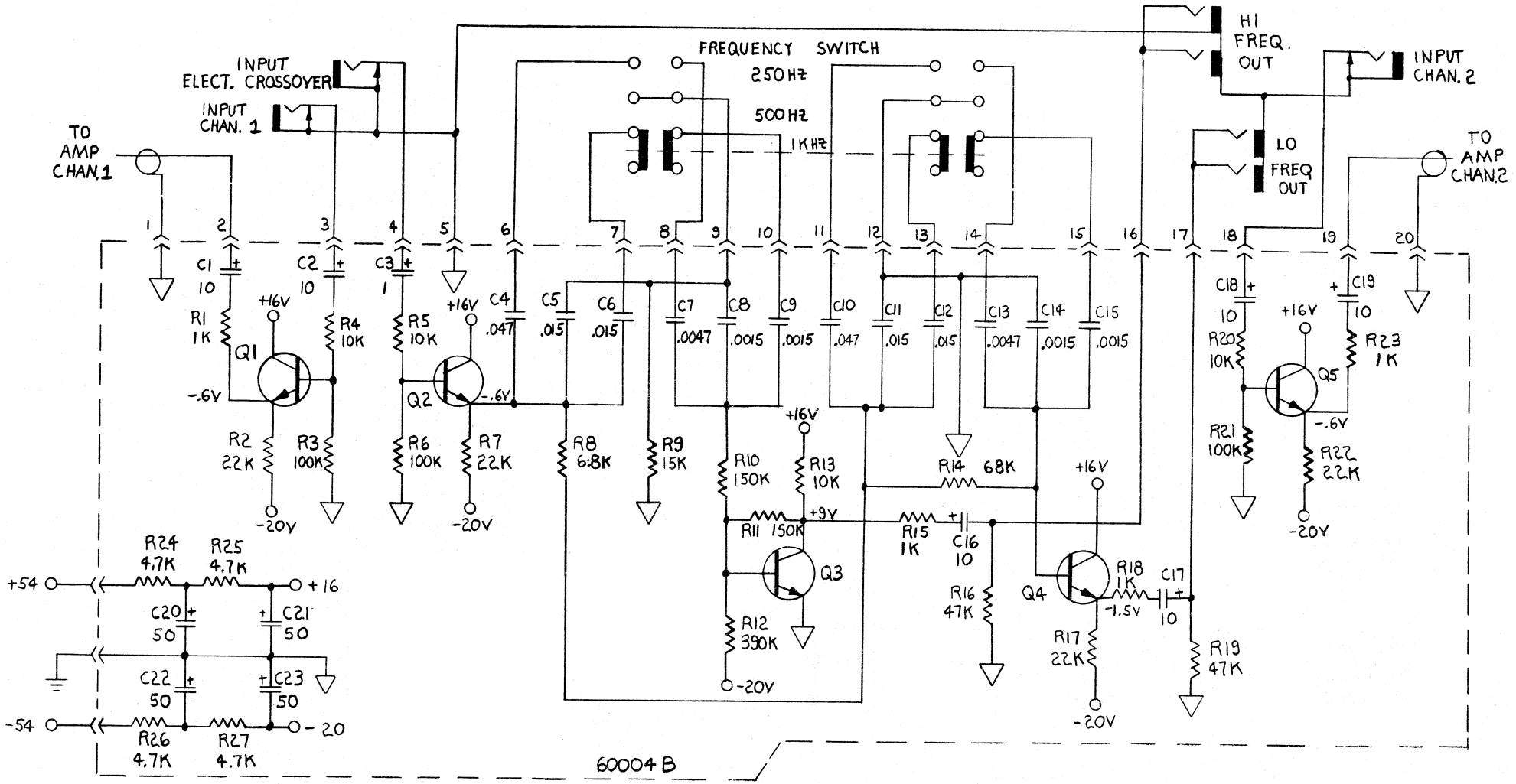
DIMENSIONS ARE IN INCHES UNLESS SPECIFIED, TOLERANCE: XX ± .02 ; XXX ± .005	SYM.	REVISION	BY	DATE
R.J.K. DRAWN BY	DATE	NINE BAND GRAPHIC EQUALIZER	SCALE	
R.A.G. ENGINEER	12-20-73	TITLE	FINISH	
RELEASED		GMT GALLIEN-KRUEGER	PART NO. 60003	
MATERIAL	MATL. NO.		DRAWING NO.	

Q1,2,7 -MPSA56
Q3,6 -MPSA06
Q4 - 2N6263
Q5,9 - TIP31A
Q8,10 - TIP32A
MQ1-8, MJ15001
MD1,2 - 1N3492



UP TO SN 73050781

DIMENSIONS ARE IN INCHES UNLESS SPECIFIED, TOLERANCE: .XX ± .02 ; .XXX ± .005	SYM.	REVISION	BY	DATE
R.J.K DRAWN BY	DATE	300 W POWER AMP	SCALE	
R.A.G ENGINEER	12-20-73	TITLE 600B/600G	FINISH	
RELEASED		GMT GALLIEN-KRUEGER	PART NO. 60004	
MATERIAL	MAT'L NO.		DRAWING NO. EARLY MOD.	



Q1, 2, 3, 4, 5 – MPSA18

DIMENSIONS ARE IN INCHES UNLESS SPECIFIED, TOLERANCE: .XX ± .02 ; .XXX ± .005	B SYM.	REVISION	BY	DATE
BOB GALLIEN DRAWN BY	3-1-74 DATE	CROSSOVER BD. 800 STEREO		SCALE
BOB GALLIEN ENGINEER	3-1-74	TITLE		FINISH
RELEASED		GMT GALLIEN-KRUEGER	60004 PART NO.	
MATERIAL	MAT'L NO.			DRAWING NO.