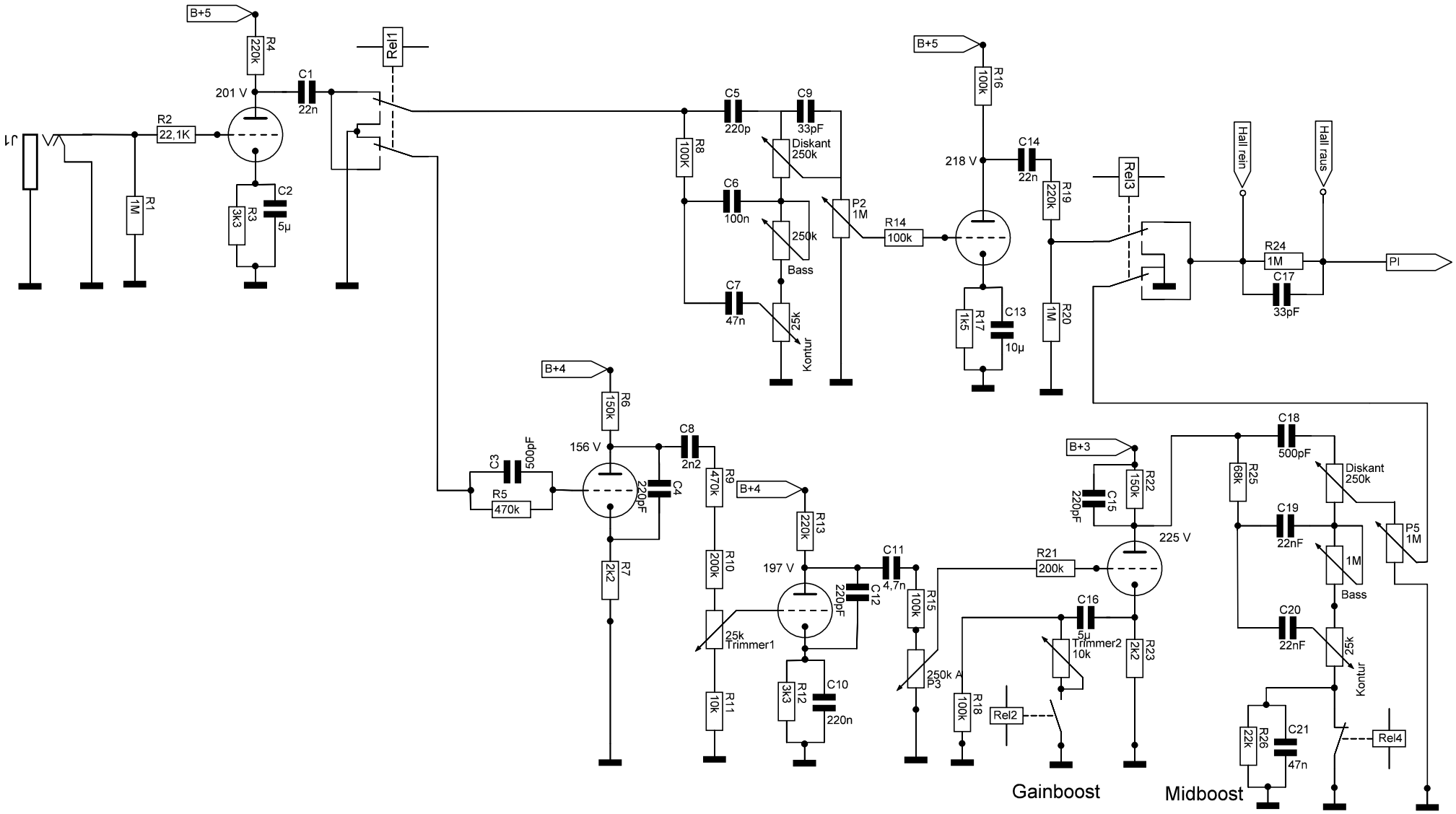
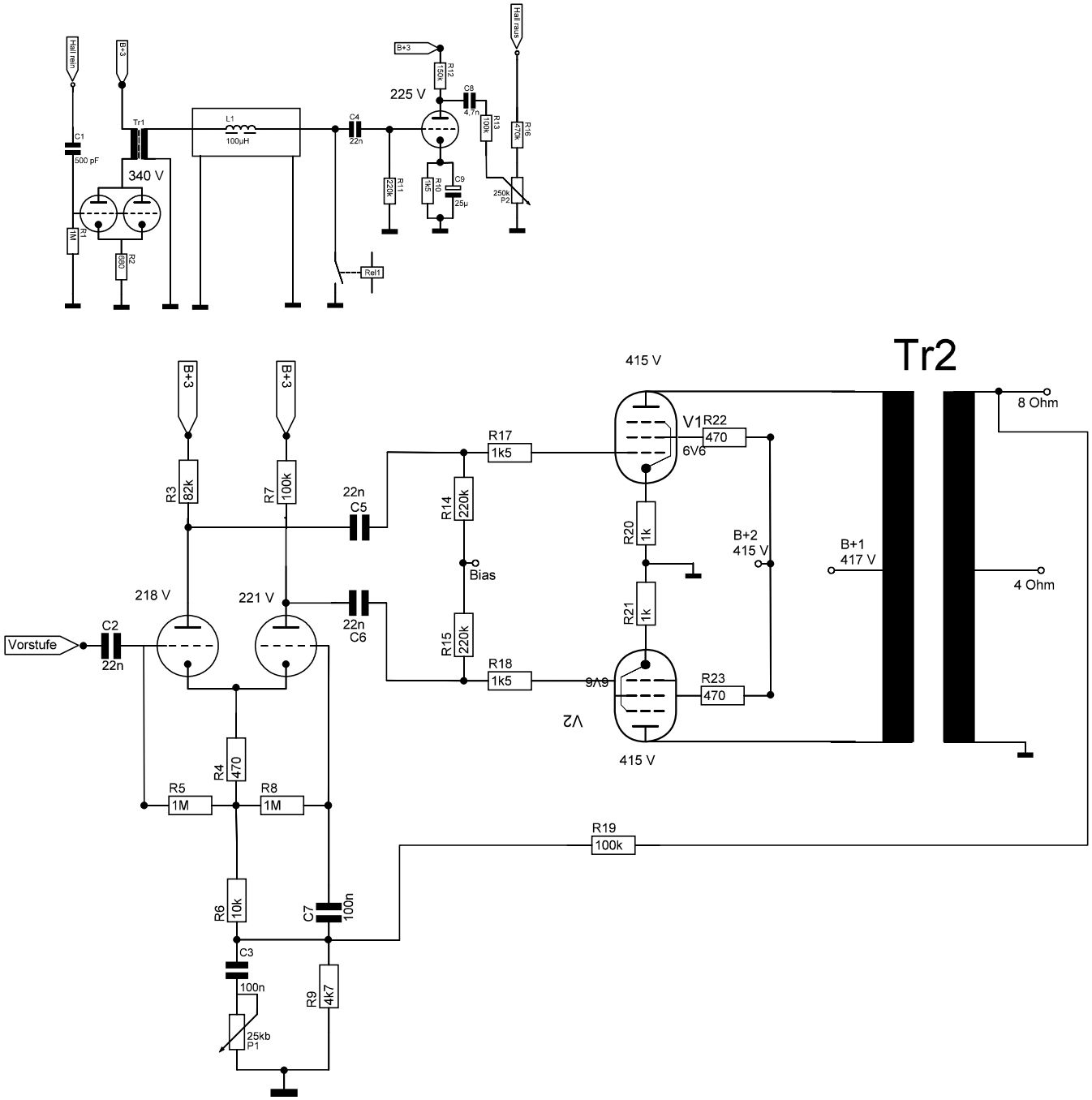
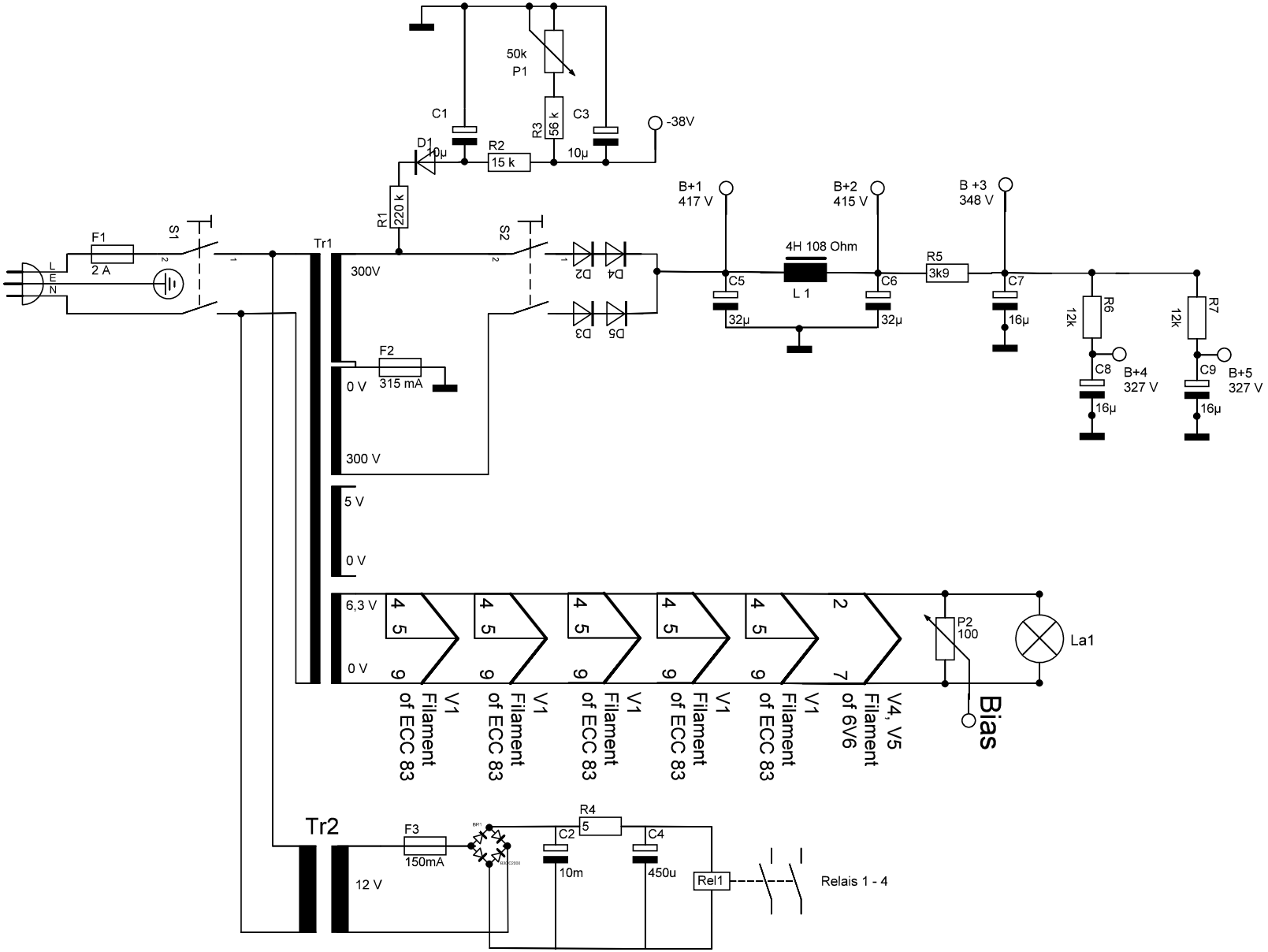

B+5
R4
220k
C1
22n
201 V
R2
22,1K
J1
R1
1M
R3
3k3
C2
5µ
Rel1
C5
220p
C9
33pF
Diskant
250k
R8
100K
C6
100n
250k
Bass
P2
1M
C7
47n
25k
Kontur
R14
100k
B+5
R16
100k
218 V
C14
22n
R19
220k
R17
1k5
C13
10µ
R20
1M
Rel3
Hall rein
Hall raus
R24
1M
C17
33pF
PI
B+4
R6
150k
156 V
C8
2n2
C3
500pF
R5
470k
C4
220pF
R9
470k
R10
200k
25k
Trimmer1
R11
10k
B+4
R13
220k
197 V
C11
4,7n
C12
220pF
C10
220n
R12
3k3
R7
2k2
B+3
C15
220pF
R22
150k
225 V
R21
200k
R15
100k
250k A
P3
R18
100k
C16
5µ
Trimmer2
10k
R23
2k2
Rel2
Gainboost
C18
500pF
R25
68k
Diskant
250k
C19
22nF
1M
Bass
P5
1M
C20
22nF
25k
Kontur
R26
22k
C21
47n
Rel4
Midboost


Tr2
Heiz rein
B+3
Heiz raus
C1
500 pF
Tr1
340 V
L1
100µH
C4
22n
225 V
B+3
R12
150k
C8
4,7n
R13
100k
R16
470k
R11
220k
R10
1k5
C9
25µ
250k
P2
R1
1M
R2
680
Rel1
415 V
V1
6V6
R22
470
R17
1k5
R14
220k
R20
1k
B+2
415 V
B+1
417 V
8 Ohm
4 Ohm
Bias
R21
1k
R15
220k
R18
1k5
R23
470
V2
415 V
R3
82k
R7
100k
22n
C5
218 V
221 V
22n
C6
Vorstufe
C2
22n
R4
470
R5
1M
R8
1M
R19
100k
R6
10k
C7
100n
C3
100n
R9
4k7
25kb
P1


50k
P1
C1
R3
56 k
C3
-38V
D1
10µ
R2
15 k
10µ
R1
220 k
B+1
417 V
B+2
415 V
B +3
348 V
F1
2 A
S1
Tr1
S2
4H 108 Ohm
R5
3k9
D2
D4
D3
D5
C5
L 1
C6
C7
32µ
32µ
16µ
R6
12k
R7
12k
C8
C9
B+4
327 V
B+5
327 V
16µ
16µ
F2
315 mA
300V
0 V
300 V
5 V
0 V
6,3 V
0 V
P2
100
La1
V1
Filament
of ECC 83
V1
Filament
of ECC 83
V1
Filament
of ECC 83
V1
Filament
of ECC 83
V1
Filament
of ECC 83
V4, V5
Filament
of 6V6
Bias
Tr2
F3
150mA
R4
5
C2
10m
C4
450u
Rel1
12 V
Relais 1 - 4