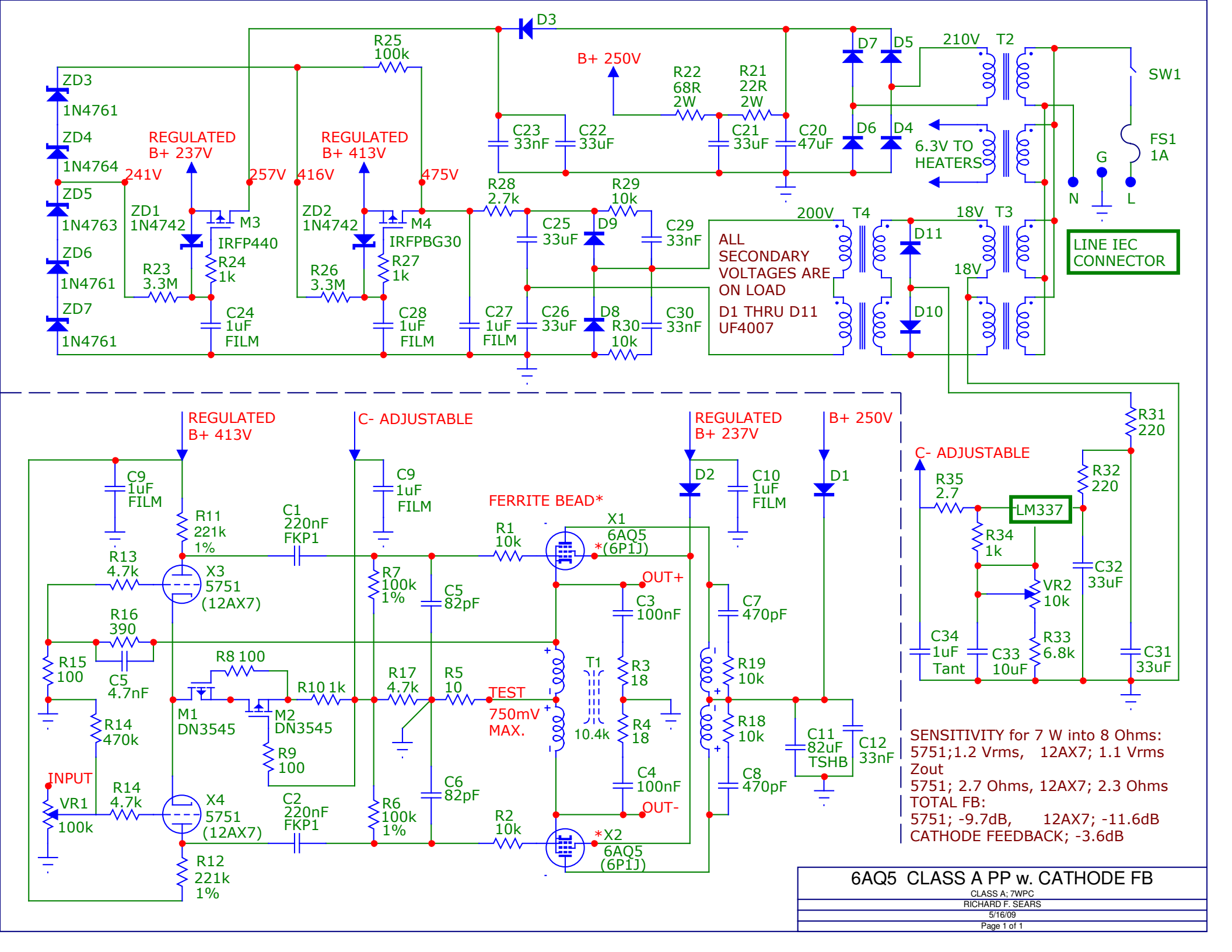
D3
R25
100k
B+ 250V
R22
68R
2W
R21
22R
2W
D7
D5
210V
T2
SW1
ZD3
1N4761
ZD4
1N4764
REGULATED
B+ 237V
241V
257V
416V
REGULATED
B+ 413V
475V
C23
33nF
C22
33uF
C21
33uF
C20
47uF
D6
D4
6.3V TO
HEATERS
FS1
1A
G
N
L
ZD5
1N4763
ZD6
1N4761
ZD7
1N4761
ZD1
1N4742
M3
IRFP440
R24
1k
R23
3.3M
C24
1uF
FILM
ZD2
1N4742
M4
IRFPBG30
R27
1k
R26
3.3M
C28
1uF
FILM
R28
2.7k
R29
10k
C25
33uF
D9
C29
33nF
C27
1uF
FILM
C26
33uF
D8
R30
10k
C30
33nF
ALL
SECONDARY
VOLTAGES ARE
ON LOAD
D1 THRU D11
UF4007
200V
T4
18V
T3
D11
D10
18V
LINE IEC
CONNECTOR
REGULATED
B+ 413V
C- ADJUSTABLE
REGULATED
B+ 237V
B+ 250V
C9
1uF
FILM
C9
1uF
FILM
D2
C10
1uF
FILM
D1
FERRITE BEAD*
R11
221k
1%
C1
220nF
FKP1
R1
10k
X1
6AQ5
*(6P1J)
R13
4.7k
X3
5751
(12AX7)
R7
100k
1%
C5
82pF
OUT+
C3
100nF
C7
470pF
R16
390
C5
4.7nF
R15
100
R8 100
R10 1k
R17
4.7k
R5
10
TEST
750mV
MAX.
T1
10.4k
R3
18
R19
10k
R14
470k
M1
DN3545
M2
DN3545
R9
100
R4
18
R18
10k
C11
82uF
TSHB
C12
33nF
INPUT
VR1
100k
R14
4.7k
X4
5751
(12AX7)
C2
220nF
FKP1
C6
82pF
R6
100k
1%
C4
100nF
OUT-
C8
470pF
R2
10k
*X2
6AQ5
(6P1J)
R12
221k
1%
R31
220
C- ADJUSTABLE
R35
2.7
LM337
R32
220
R34
1k
C32
33uF
VR2
10k
C34
1uF
Tant
C33
10uF
R33
6.8k
C31
33uF
SENSITIVITY for 7 W into 8 Ohms:
5751;1.2 Vrms, 12AX7; 1.1 Vrms
Zout
5751; 2.7 Ohms, 12AX7; 2.3 Ohms
TOTAL FB:
5751; -9.7dB, 12AX7; -11.6dB
CATHODE FEEDBACK; -3.6dB
6AQ5 CLASS A PP w. CATHODE FB
CLASS A; 7WPC
RICHARD F. SEARS
5/16/09
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