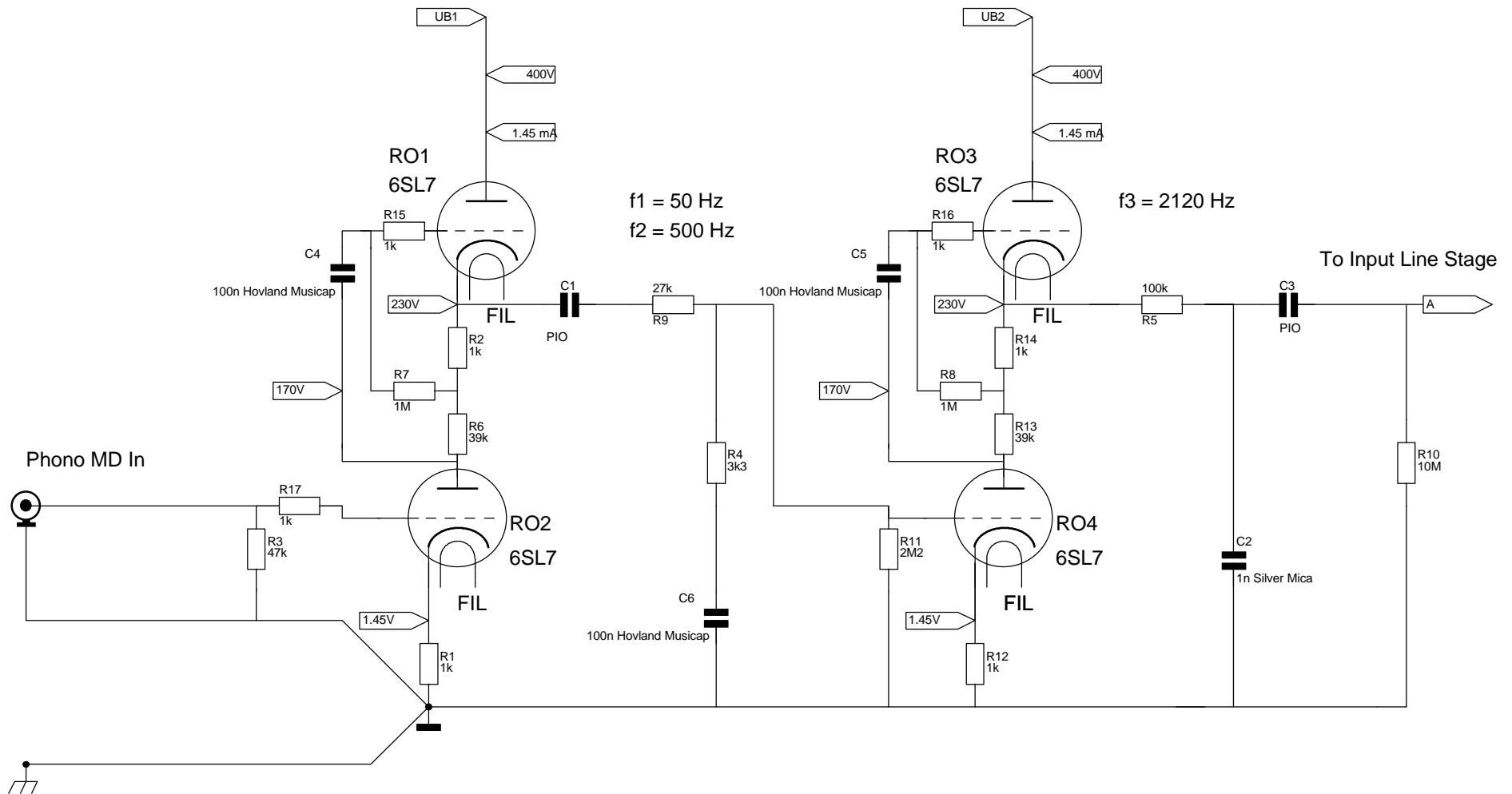


DDPRE 2001

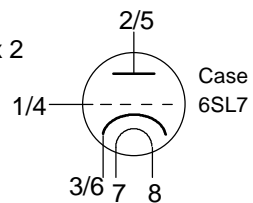
MD Phono  
&  
Line Tube AMP

By Doede Douma  
Version 1.0    Update: April 28th 2001



Right Channel identical to Left Channel. All parts x 2

Total Gain 400x



## PRE AMP, Phono Stage

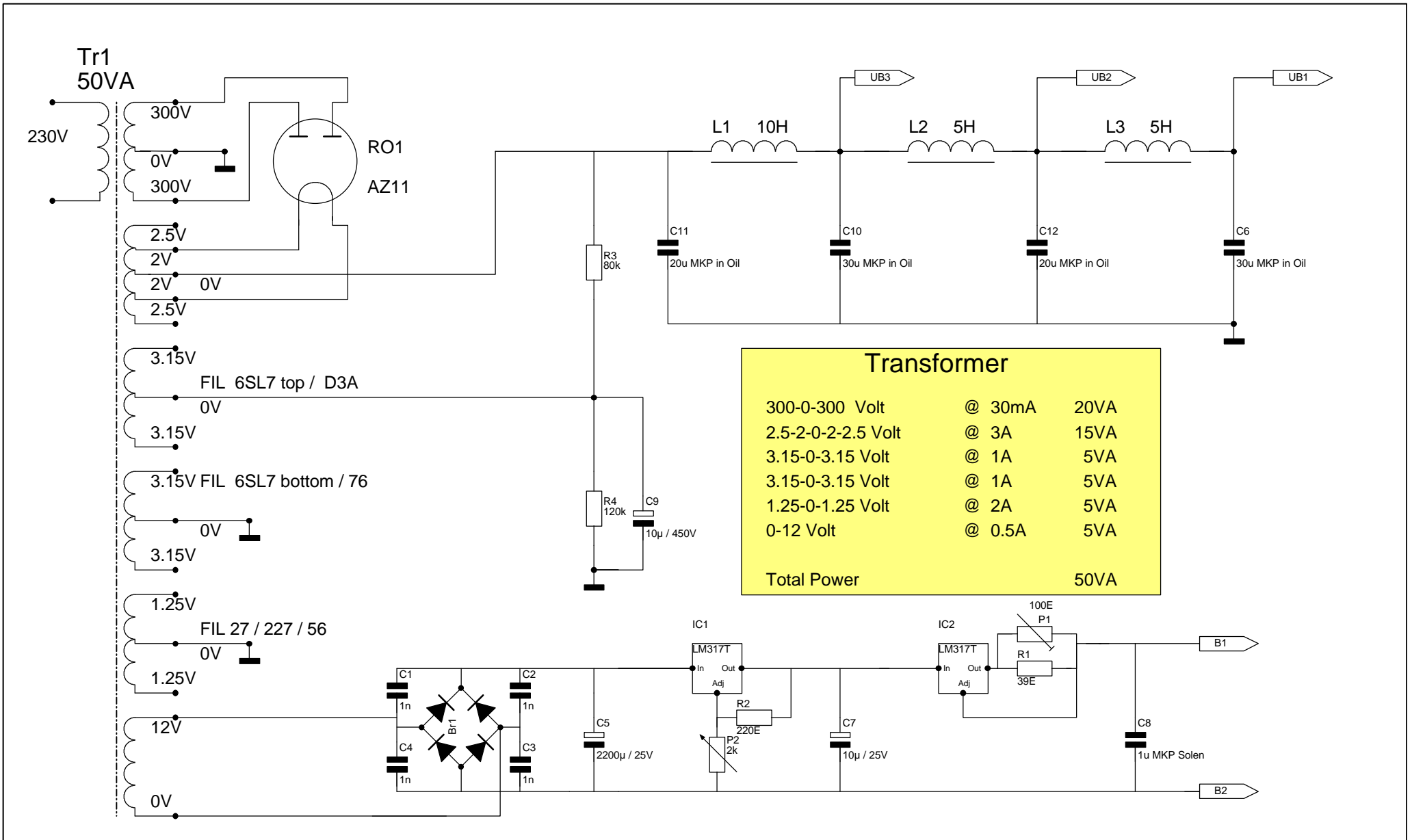
Update: 27-04-2001

Author: Doede Douma

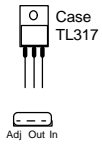
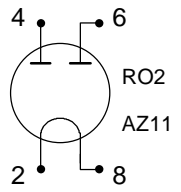
Revision: 1.0

Page: 2 # 5

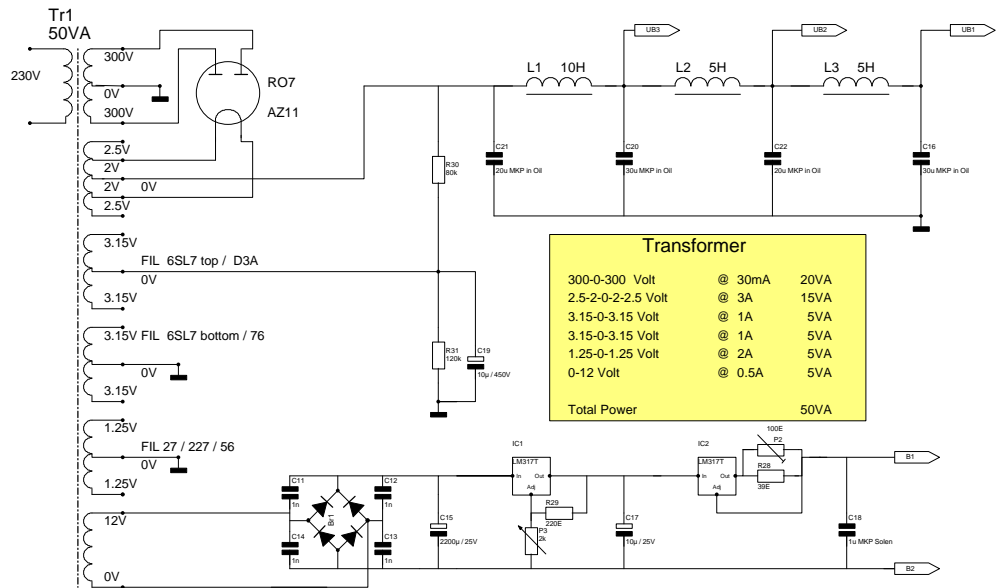
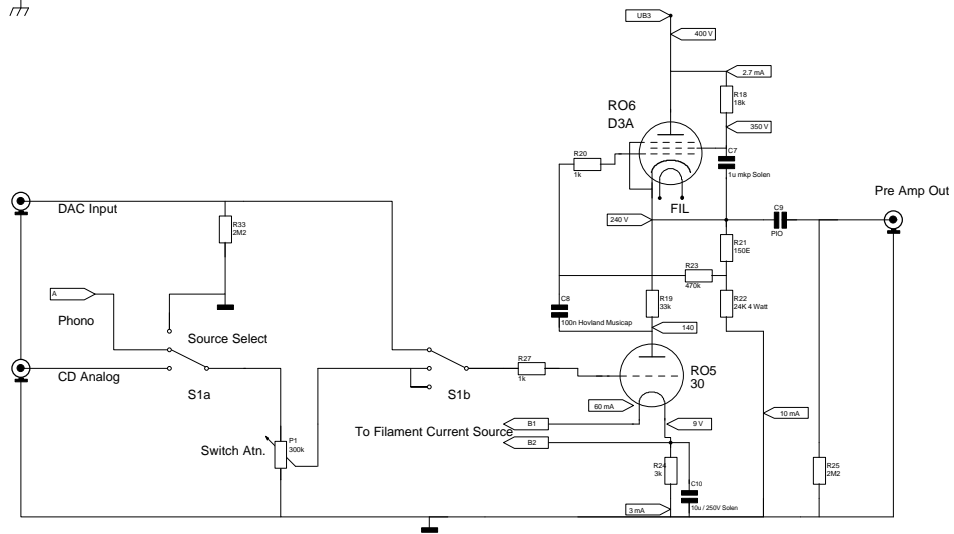
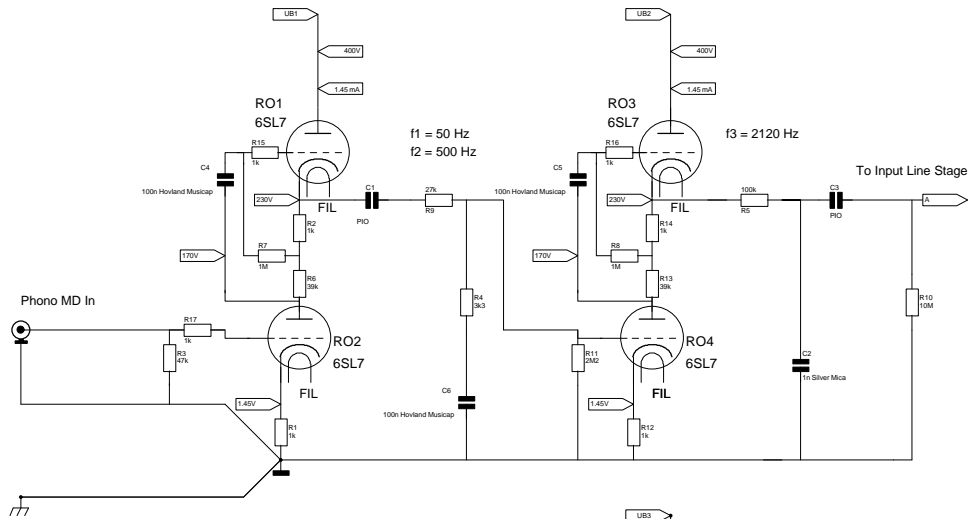




Transformer		
300-0-300 Volt	@ 30mA	20VA
2.5-2-0-2-2.5 Volt	@ 3A	15VA
3.15-0-3.15 Volt	@ 1A	5VA
3.15-0-3.15 Volt	@ 1A	5VA
1.25-0-1.25 Volt	@ 2A	5VA
0-12 Volt	@ 0.5A	5VA
Total Power		50VA



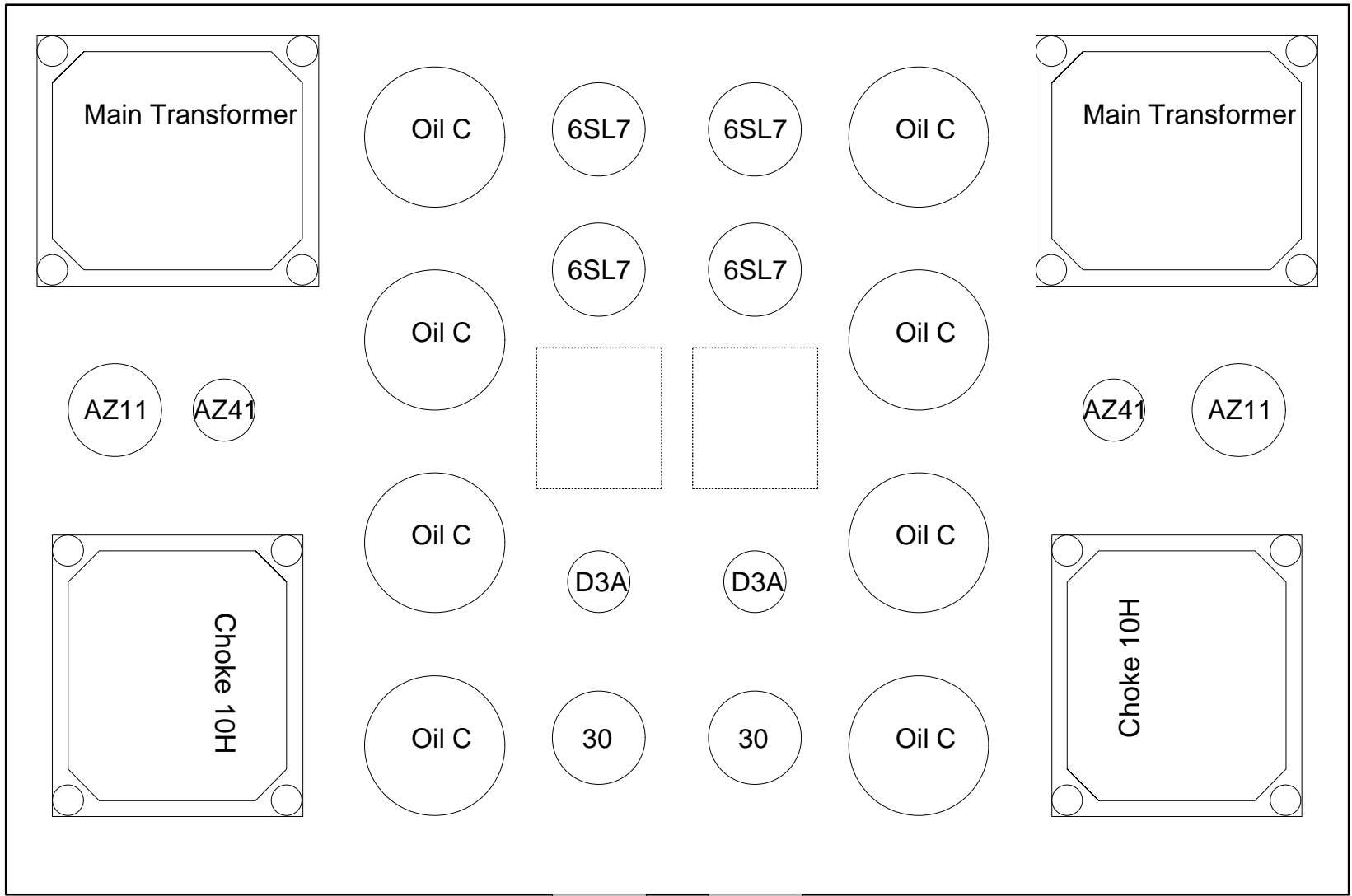
PRE AMP, Power Supply	
Update: 27-04-2001	Author: Doede Douma
Revision: 1.0	Page: 4 # 5



**PRE AMP, Phono Stage**

Update: 02-05-2001 Author: Doede Douma

Revision: 1.0 Page: 5 # 5



<b>PRE AMP, Case Lay Out</b>	
Update: 01-05-2001	Author: Doede Douma
Revision: 1.0	Page: 6

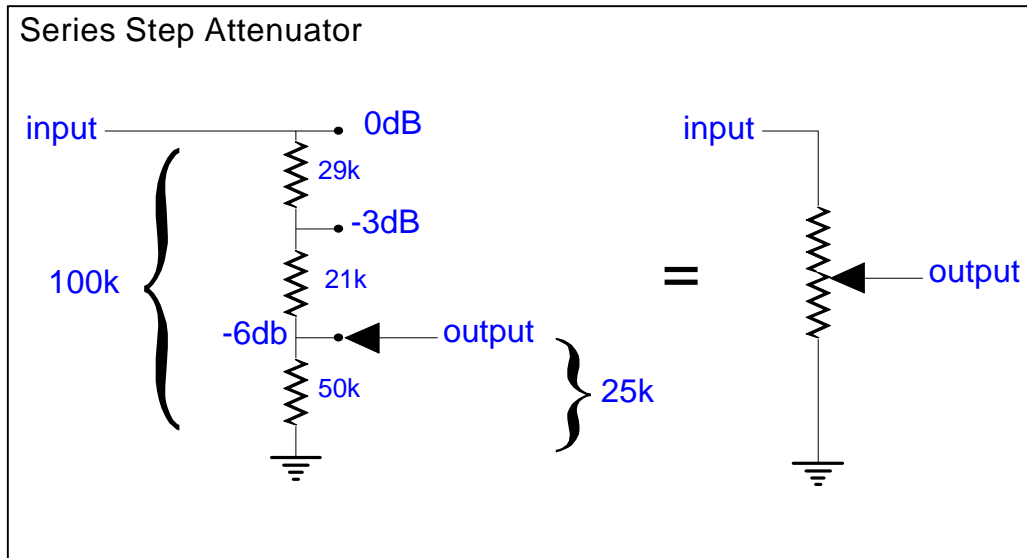
# Stückliste

Vom: 28-Apr-01 um 23:52:37 Uhr  
Datei: c:\programs\splan40\schemas\dd pre amp ver 1.0.sj  
Blatt: "Total (Page 5)"

R1,R2,R12,R14	
R15,R16,R17	
R20,R27	= 9 x 1k
R3	= 1 x 47k
R4	= 1 x 3k3
R5	= 1 x 100k
R6,R13	= 2 x 39k
R7,R8	= 2 x 1M
R9	= 1 x 27k
R10	= 1 x 10M
R11,R25,R26	= 3 x 2M2
R18	= 1 x 18k
R19	= 1 x 33k
R21	= 1 x 150E
R22	= 1 x 24K 4 Watt
R23	= 1 x 470k
R24	= 1 x 3k
R28	= 1 x 39E
R29	= 1 x 220E
R30	= 1 x 80k
R31	= 1 x 120k
C1,C3,C9	= 3 x PIO
C2	= 1 x 1n Silver Mic
C4,C5,C6,C8	= 4 x 100n Hovland Musica
C7	= 1 x 1u mkp Soler
C10	= 1 x 10u / 250V Sole
C11,C12,C13	
C14	= 4 x 1r
C15	= 1 x 2200 $\mu$ / 25'
C16,C20	= 2 x 30u MKP in O
C17	= 1 x 10 $\mu$ / 25'
C18	= 1 x 1u MKP Soler
C19	= 1 x 10 $\mu$ / 450'
C21,C22	= 2 x 20u MKP in O
RO1,RO2,RO3	
RO4	= 4 x 6SL7
RO5	= 1 x 3C
RO6	= 1 x D3A
RO7	= 1 x AZ11
P1	= 1 x 300A
P2	= 1 x 100E
P3	= 1 x 2k
L1	= 1 x 10H
L2,L3	= 2 x 5F
IC1,IC2	= 2 x LM317
Tr1	= 1 x 50VA
Br1	= 1 x

# Audio Gadgets

## Series 300k Stepped Attenuator Values



Step	Gain	Rx	R value	V%	Z out
1	0	none	0	100.0	0
2	-3	1	86,600	70.79	62,028
3	-6	2	61,900	50.12	43,912
4	-9	3	43,200	35.48	31,087
5	-12	4	30,900	25.12	22,008
6	-15	5	21,500	17.78	15,581
7	-18	6	15,400	12.59	11,030
8	-21	7	11,000	8.913	7,809
9	-24	8	7,680	6.31	5,528
10	-27	9	5,490	4.467	3,914
11	-30	10	3,830	3.162	2,771
12	-33	11	2,740	2.239	1,961
		12	6,650		