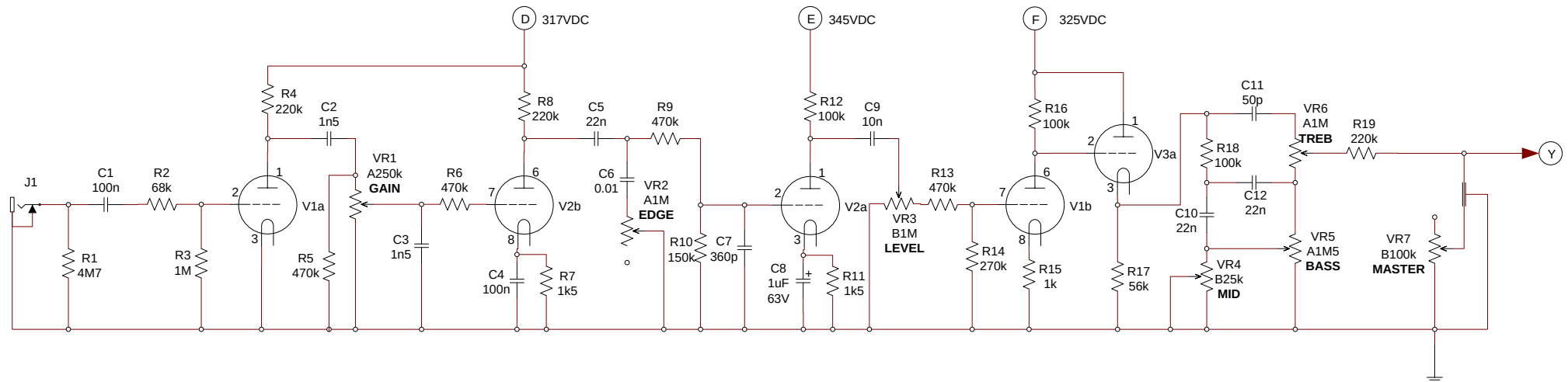
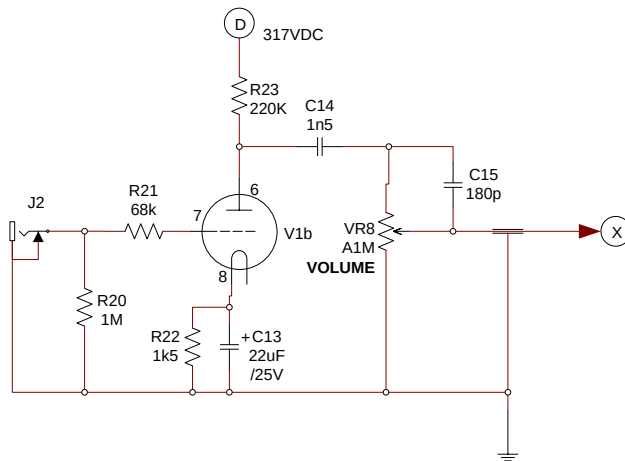




Comments:

All resistors are of metal film type resistors, 1W, <5% tolerance, and >400VDC voltage rating

Exceptions are: R18 / R23 / R22, which should be carbon elements

All coupling capacitors are metallized polyester film with at least 630V rating

Voltage measurements on anodes [VDC]

Position	specified	w/o load	w/ load	V.1.6 w/load
A	xxxV	xxxV	xxxV	xxxV
B	xxxV	xxxV	xxxV	xxxV
C	xxxV	xxxV	xxxV	xxxV
D	317V	xxxV	xxxV	xxxV
E	345V	xxxV	xxxV	xxxV
F	325V	xxxV	xxxV	xxxV
V1-6a	xxxV	xxxV	xxxV	xxxV
V1-1a	xxxV	xxxV	xxxV	xxxV
V2-6a	xxxV	xxxV	xxxV	xxxV
V2-1a	xxxV	xxxV	xxxV	xxxV
V3-6a	xxxV	xxxV	xxxV	xxxV
V3-1a	xxxV	xxxV	xxxV	xxxV

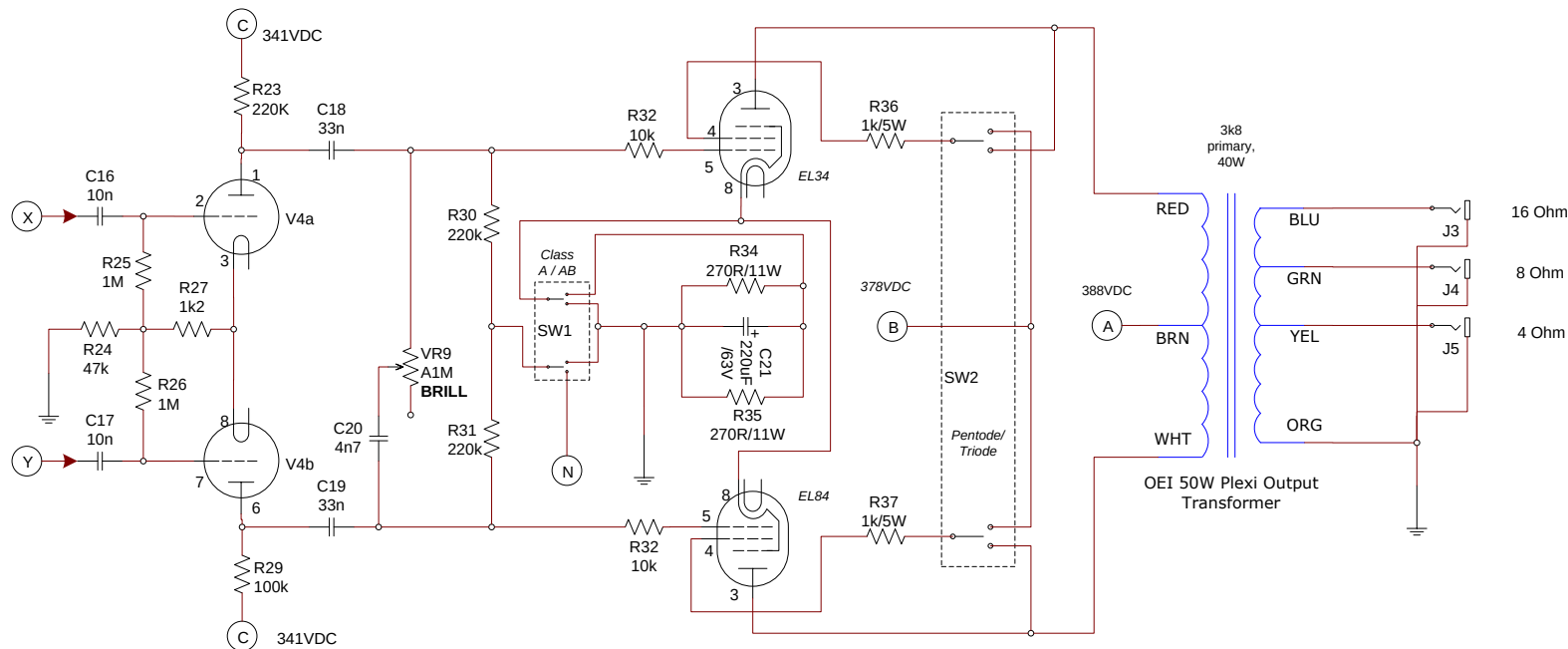
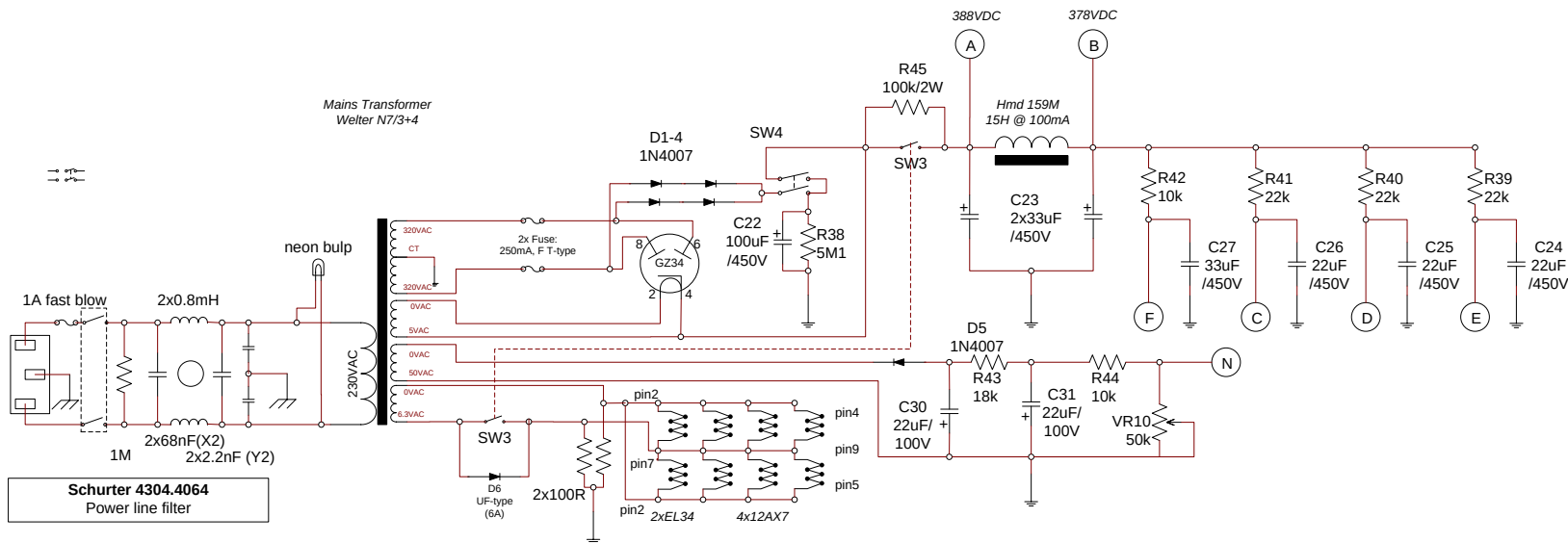
BadHotSnake

A BadCat HotCat 30HD Clone

Martin Dohrau, CH-8143 Stallikon

Version 0.1 initial draft

Donnerstag, 6. März 2008



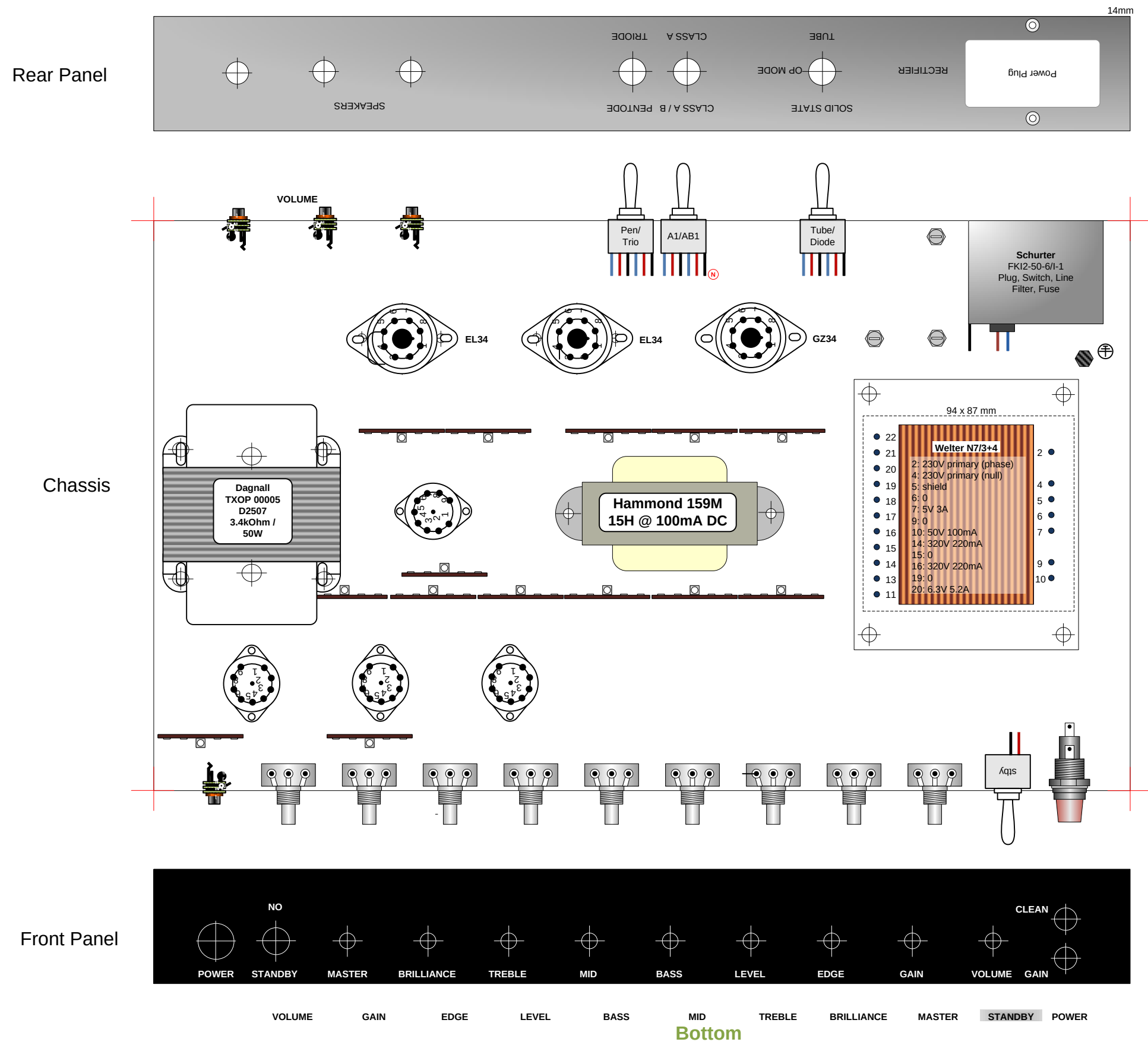
Modification in comparison to the original schema (Mr.Class A)

→ Fuses on secondary: two slow-blow type fuses between tranny and rectifier section according to valviewizard.com. It safes primarily the mains transformer from severe failures in the cas of shorts within the HT circuitry

→ Improvements on Standby-Switch (SW3): According to valviewizard.com recommendation, SW3 does affect HT and heater supply. On the HT-side, the switch is, bypassed with a bleeding resistor, in order to minimize huge peaks while turning on. On the heater supply side, the voltage will be lowered approx 40-50%. This should increases the lifespan of valves dramatically.

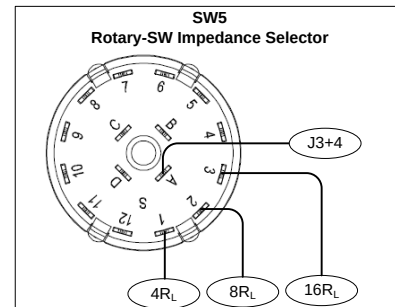
Poweramp and PSU

Scriber Template

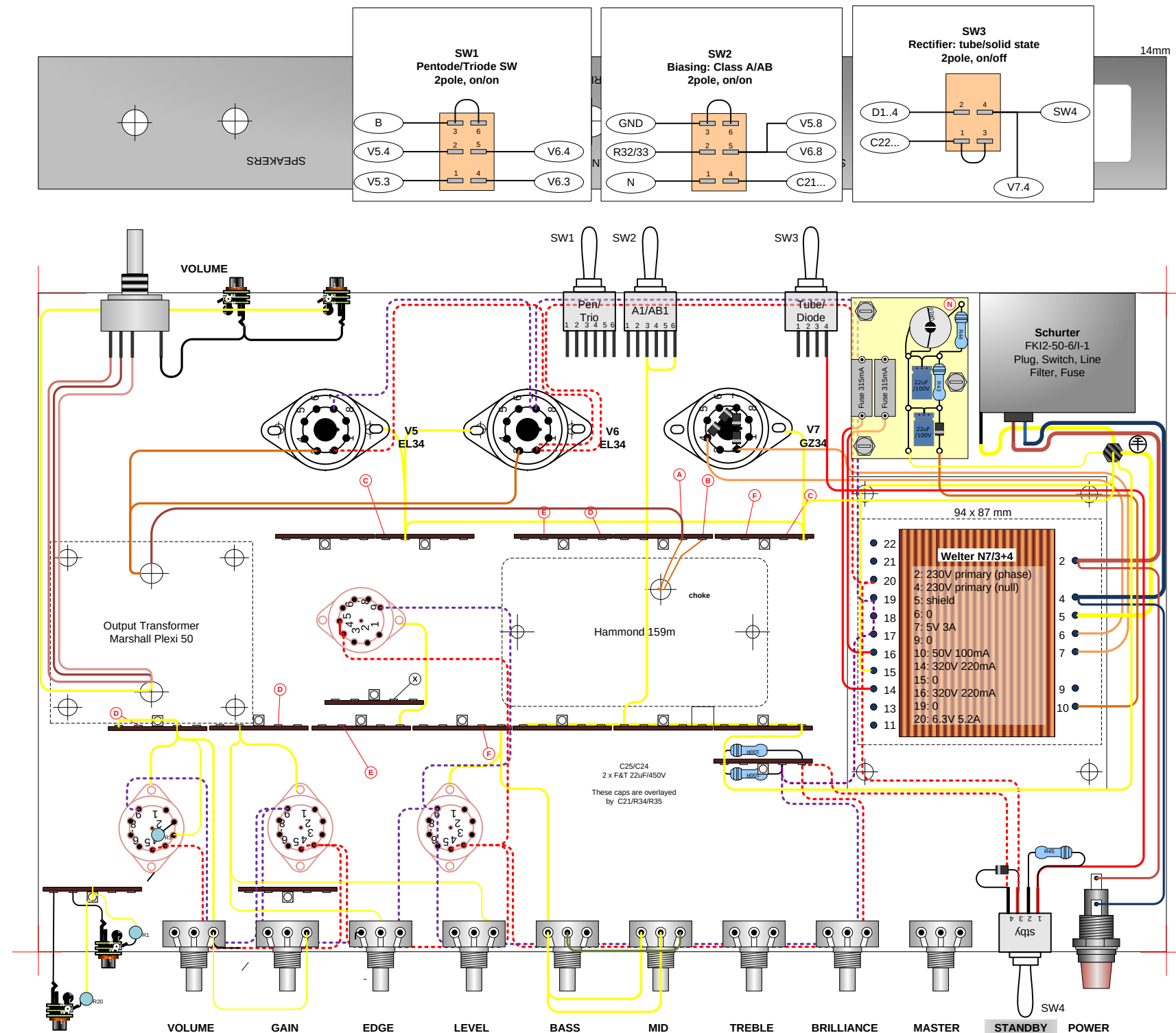


Heater+Bias+Mains+OT

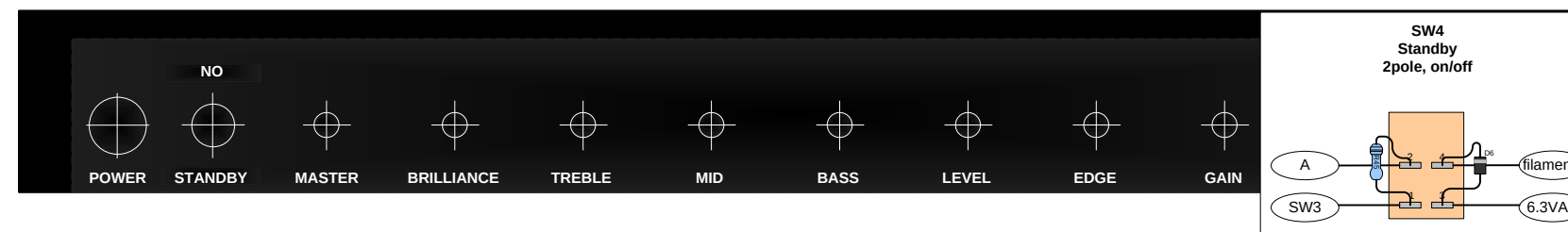
Rear Panel



Chassis



Front Panel



Bottom

Layout:
Bottom View

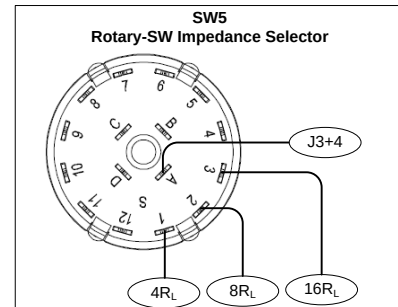
Front:
perspective as mounted

Note:
Unfortunately i've started to drill the rear panel the wrong way around. Therefore the layout is now directed similar to Mr.ClassA's amp. As a consequence the front is mirrored because the chassis is mounted on the bottom of the amp cabinet

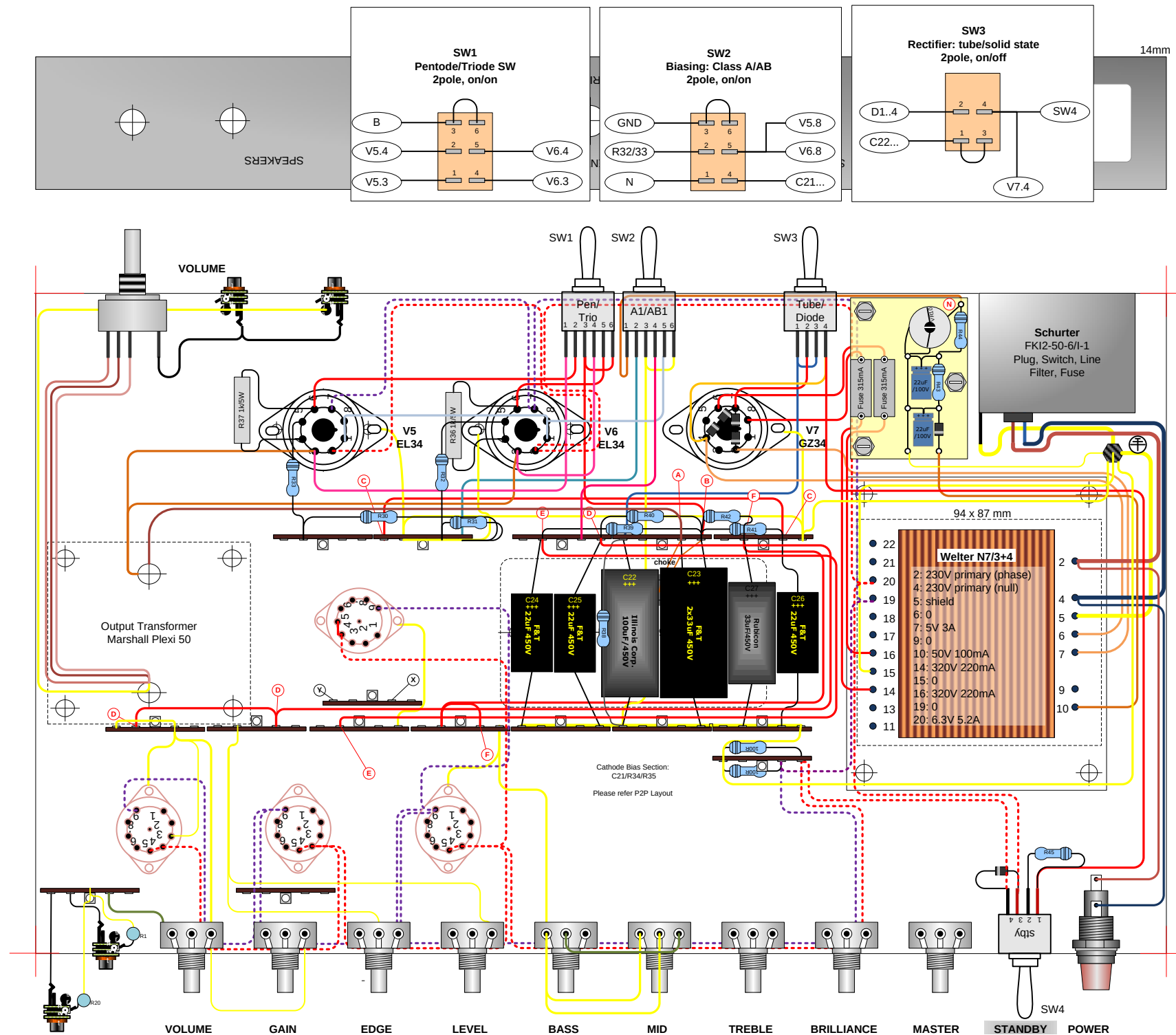
Chassis Hammond
AL1444-30
435x254x51cm

HT PSU+PWR Amp

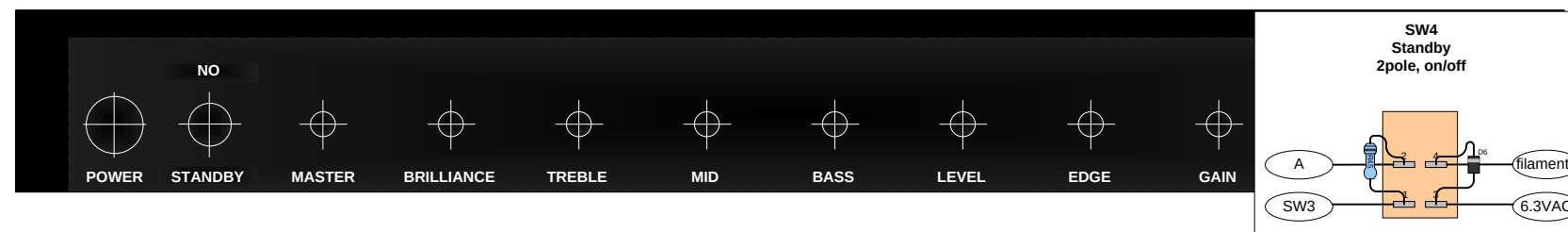
Rear Panel



Chassis



Front Panel



Bottom

Layout:
Bottom View

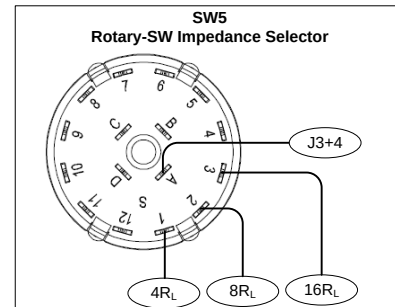
Front:
perspective as mounted

Note:
Unfortunately i've started to drill the rear panel the wrong way around. Therefore the layout is now directed similar to Mr.ClassA's amp. As a consequence the front is mirrored because the chassis is mounted on the bottom of the amp cabinet

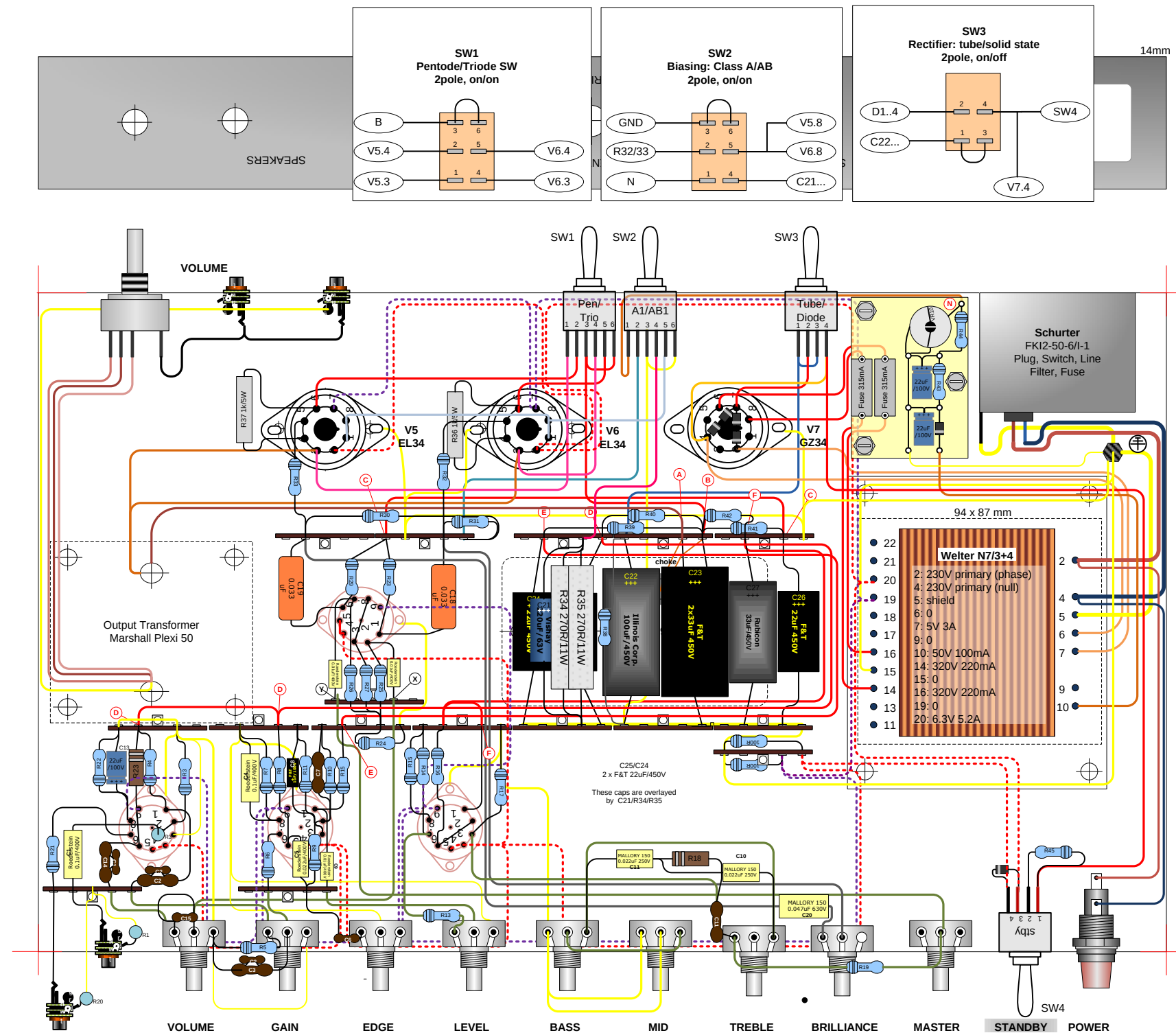
Chassis Hammond
AL1444-30
435x254x51cm

P2P LAYOUT

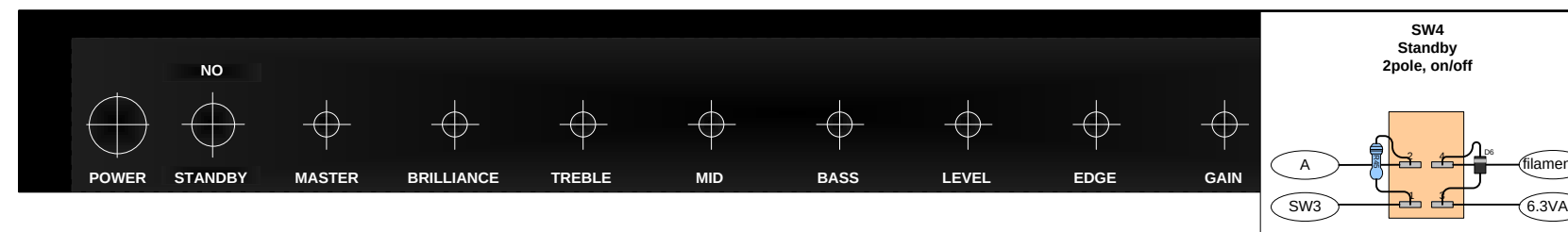
Rear Panel



Chassis



Front Panel



Bottom

Layout:
Bottom View

Front:
perspective as mounted

Note:
Unfortunately i've started to drill the rear panel the wrong way around. Therefore the layout is now directed similar to Mr.ClassA's amp. As a consequence the front is mirrored because the chassis is mounted on the bottom of the amp cabinet

Chassis Hammond
AL1444-30
435x254x51cm