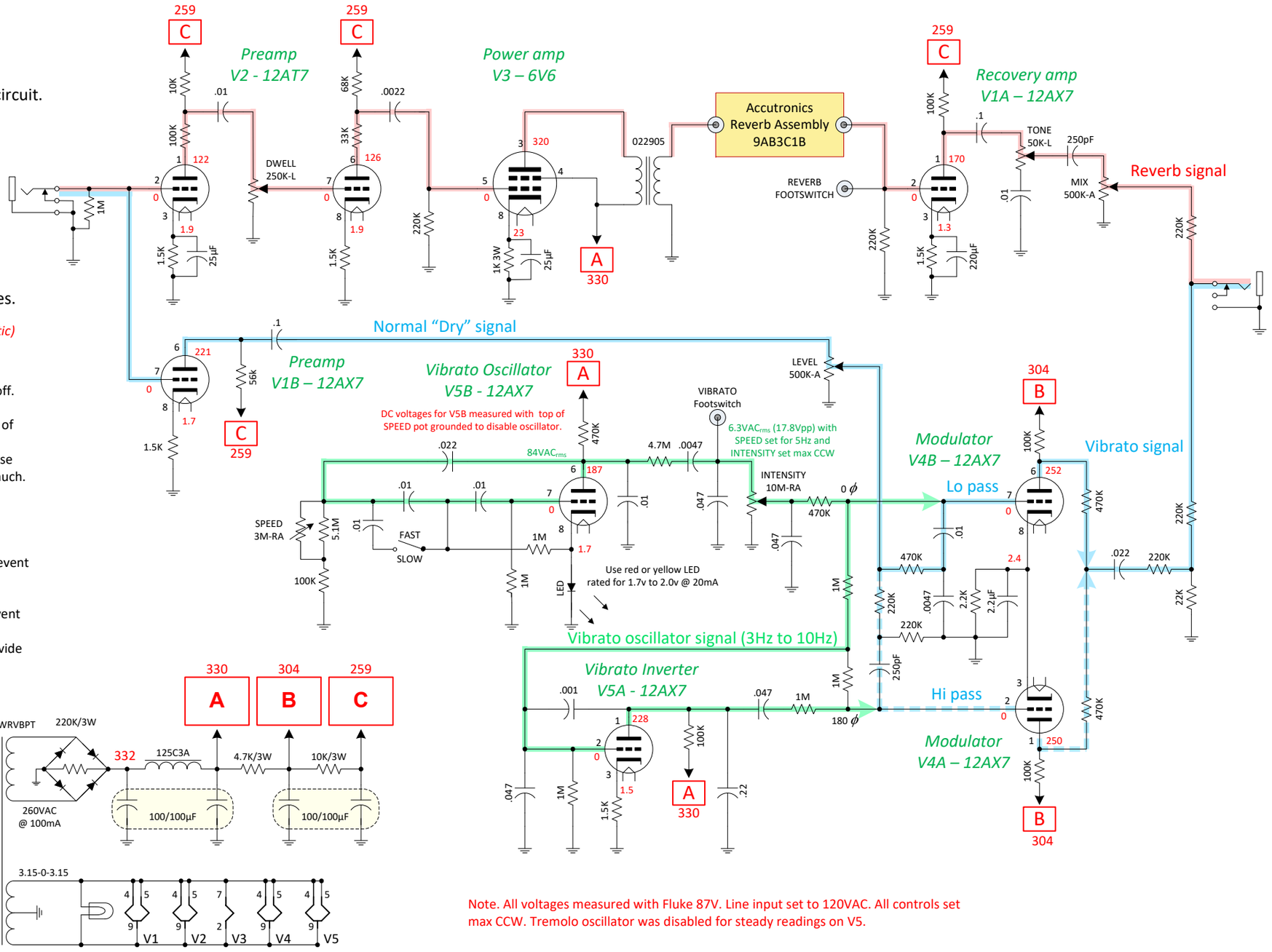
REVIBE by Sluckey

Based on 6G15 reverb unit and 6G12 vibrato circuit.

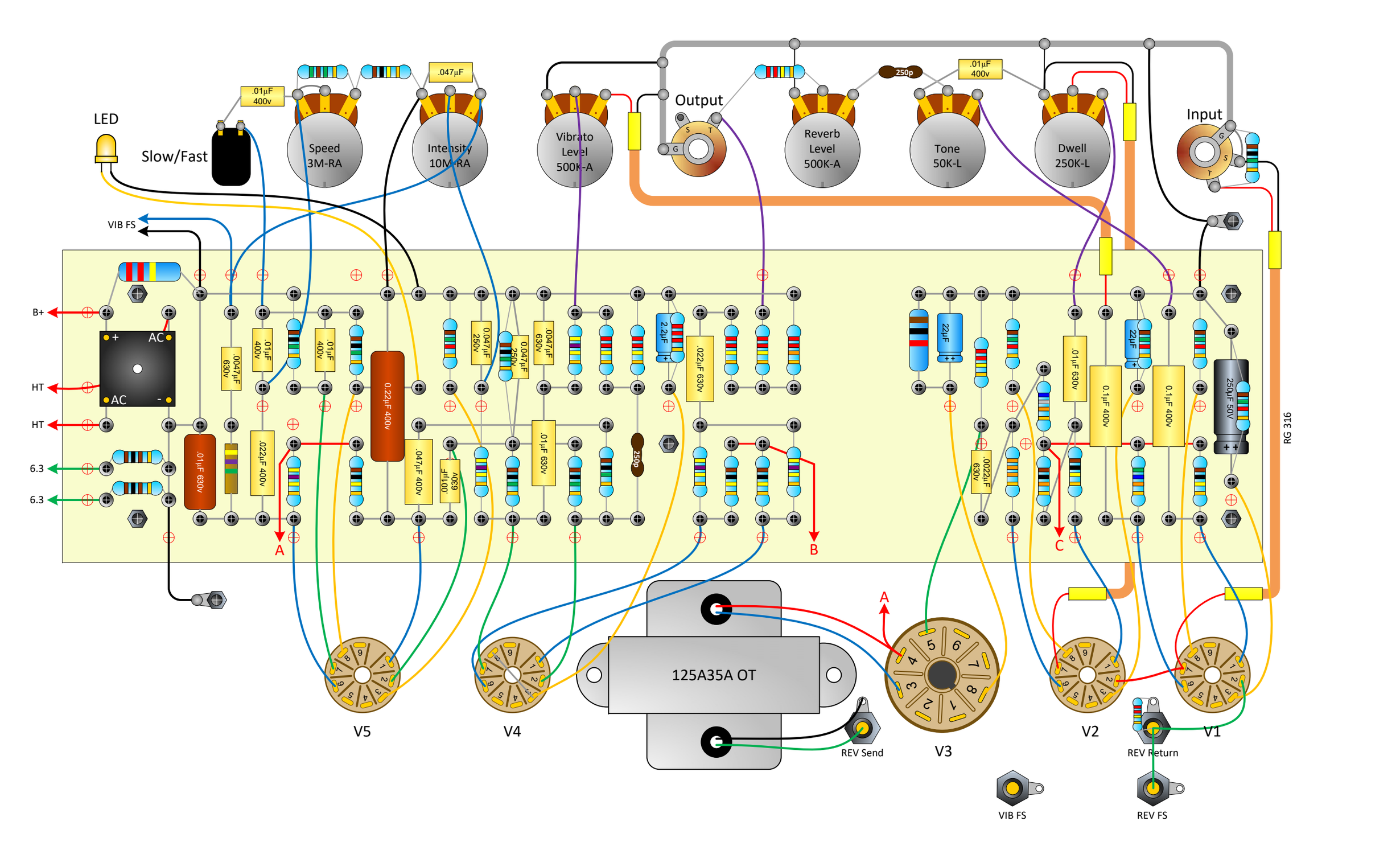
This unit was originally built exactly IAW Hoffman's Revibe schematic. I later made the following changes.

List of Changes *(refer to original Hoffman schematic)*

- Power Supply nodes rearranged.
- Footswitch moved to top of Intensity pot to allow the oscillator to run continuously. This provides instant on/off.
- Added FAST/SLOW frequency range switch.
- 5.1M resistor paralleled with Speed pot to limit low end of frequency range.
- C27 changed to .047µF and C18 changed to .01µF because they were attenuating the higher LFO frequencies too much.
- V5A and V5B positions swapped to work better with my layout.
- Removed C20 bypass cap from V5A cathode.
- Replaced C17/R29 with yellow LED. Pure eye candy!
- Replaced R60 with 56K to lower the gain of V1-B and prevent overdriving V4.
- Added LEVEL pot to adjust signal input to V4.
- Replaced R45 with 2.2K to lower the gain of V4 and prevent distortion of hot input signals.
- Replaced R62/R63 voltage divider with 220K/15K to provide unity gain from input to output jacks.



Note. All voltages measured with Fluke 87V. Line input set to 120VAC. All controls set max CCW. Tremolo oscillator was disabled for steady readings on V5.


LED
Slow/Fast
.01µF 400v
Speed 3M-RA
.047µF
Intensity 10M-RA
Vibrato Level 500K-A
Output
Reverb Level 500K-A
250p
.01µF 400v
Tone 50K-L
Dwell 250K-L
Input
VIB FS
B+
HT
HT
6.3
6.3
AC
AC
.0047µF 630v
.01µF 400v
.01µF 400v
0.22µF 400v
.022µF 400v
.01µF 630v
.047µF 400v
.001µF 630v
.0047µF 250v
0.047µF 250v
.0047µF 630v
.01µF 630v
250p
2.2µF
.022µF 630v
22µF
.0022µF 630v
.01µF 630v
0.1µF 400v
22µF
0.1µF 400v
250µF 50V
RG 316
A
B
C
125A35A OT
REV Send
V5
V4
V3
V2
V1
REV Return
VIB FS
REV FS