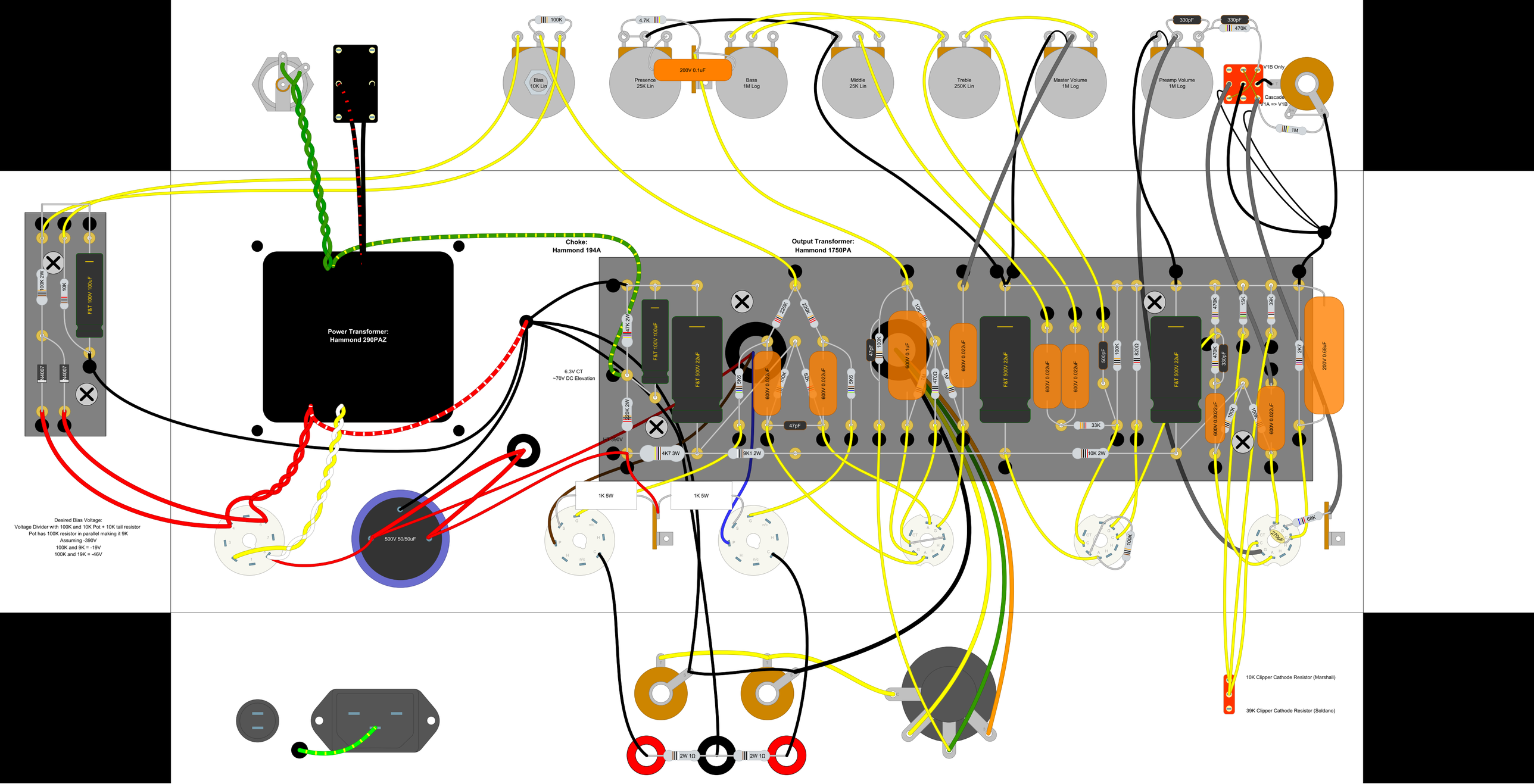

Bias
10K Lin
100K
Presence
25K Lin
4.7K
200V 0.1uF
Bass
1M Log
Middle
25K Lin
Treble
250K Lin
Master Volume
1M Log
Preamp Volume
1M Log
330pF
330pF
470K
V1B Only
Cascade
V1A => V1B
1M
Power Transformer:
Hammond 290PAZ
Choke:
Hammond 194A
Output Transformer:
Hammond 1750PA
6.3V CT
~70V DC Elevation
HT 390V
4K7 3W
9K1 2W
10K 2W
47pF
33K
1K 5W
1K 5W
500V 50/50uF
2W 1Ω
2W 1Ω
Desired Bias Voltage:
Voltage Divider with 100K and 10K Pot + 10K tail resistor
Pot has 100K resistor in parallel making it 9K
Assuming -390V
100K and 9K = -19V
100K and 19K = -46V
10K Clipper Cathode Resistor (Marshall)
39K Clipper Cathode Resistor (Soldano)