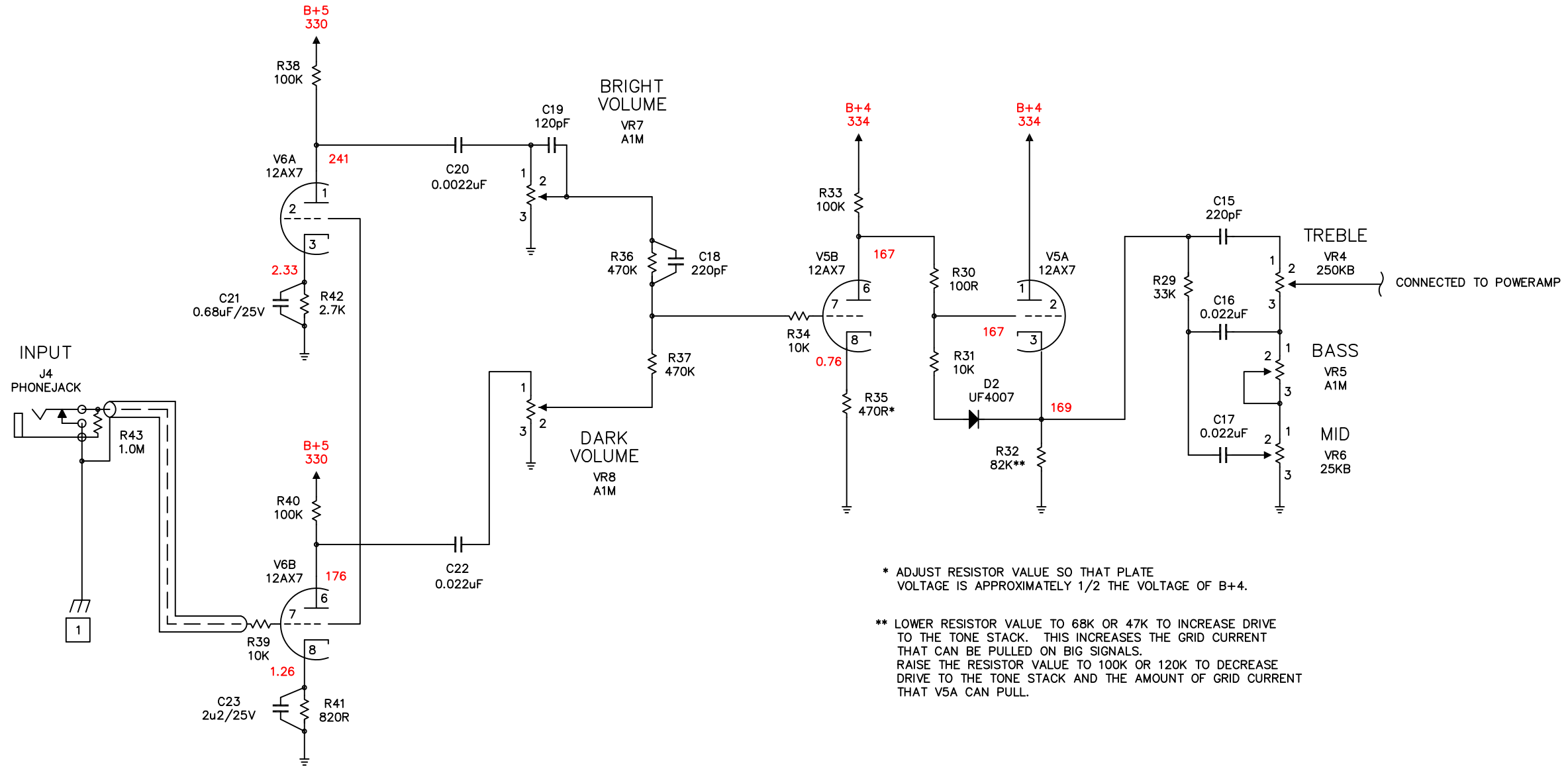


Revision	Description
10.10.10	Complete Redesign

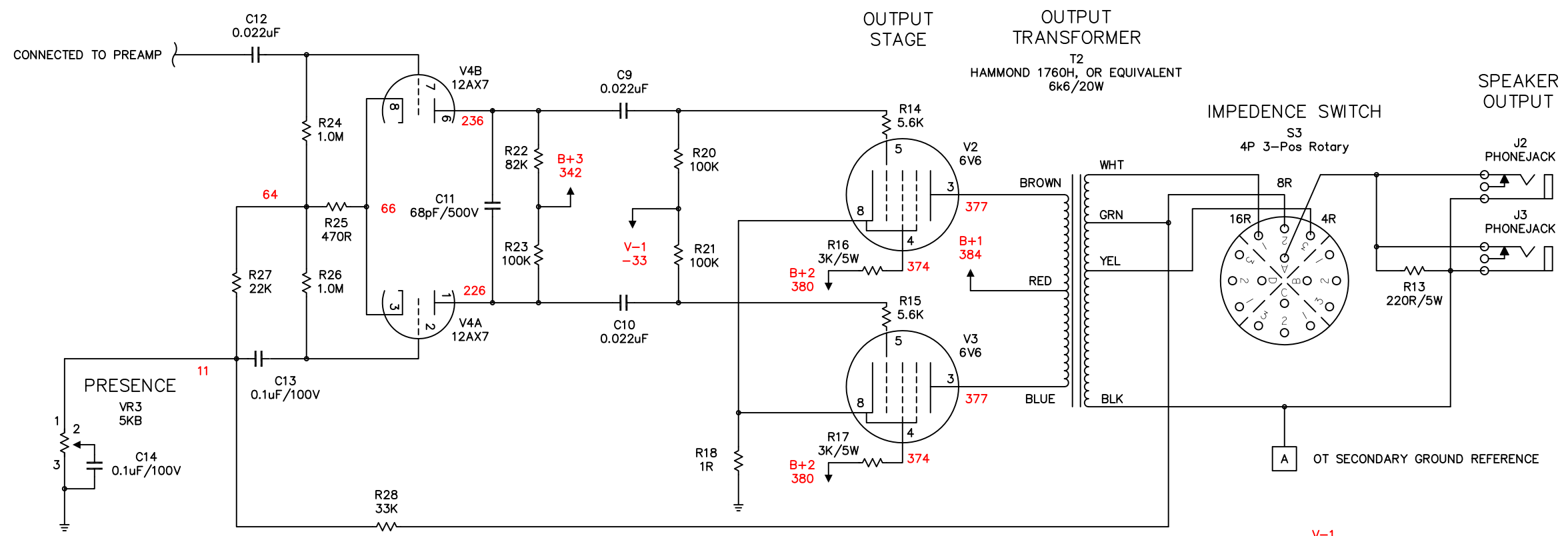


* ADJUST RESISTOR VALUE SO THAT PLATE VOLTAGE IS APPROXIMATELY 1/2 THE VOLTAGE OF B+4.

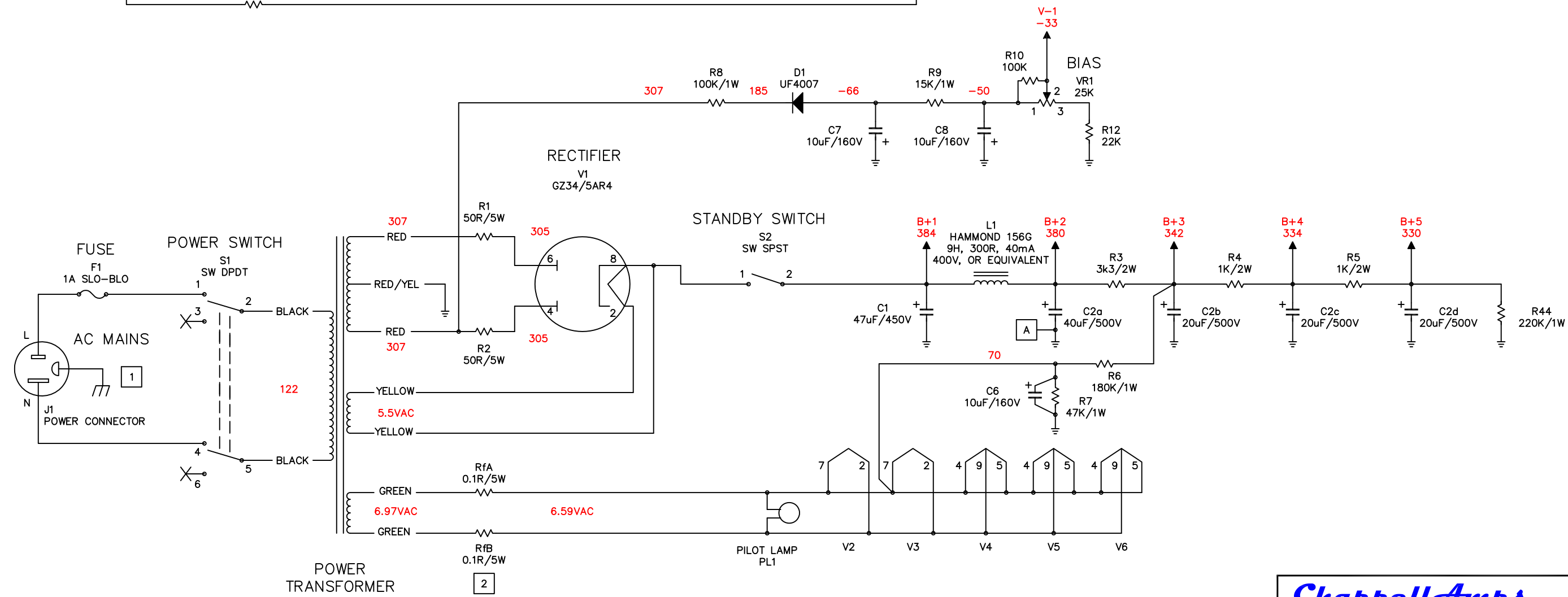
** LOWER RESISTOR VALUE TO 68K OR 47K TO INCREASE DRIVE TO THE TONE STACK. THIS INCREASES THE GRID CURRENT THAT CAN BE PULLED ON BIG SIGNALS. RAISE THE RESISTOR VALUE TO 100K OR 120K TO DECREASE DRIVE TO THE TONE STACK AND THE AMOUNT OF GRID CURRENT THAT V5A CAN PULL.

ALL VOLTAGE READINGS TAKEN WITH PREAMP IN THE VINTAGE POSITION (WITH S100 USING POLES 4-5 AND 1-2).

Revision	Description
10.10.10	Complete Redesign



BIAS INFORMATION:
 B+ = 403V @ -Vmax
 $(14W * 0.7) / 403V = 24.6mA * 2 \text{ tubes} = 48.6mA$
 BIAS Tuned to 50mA Across R18

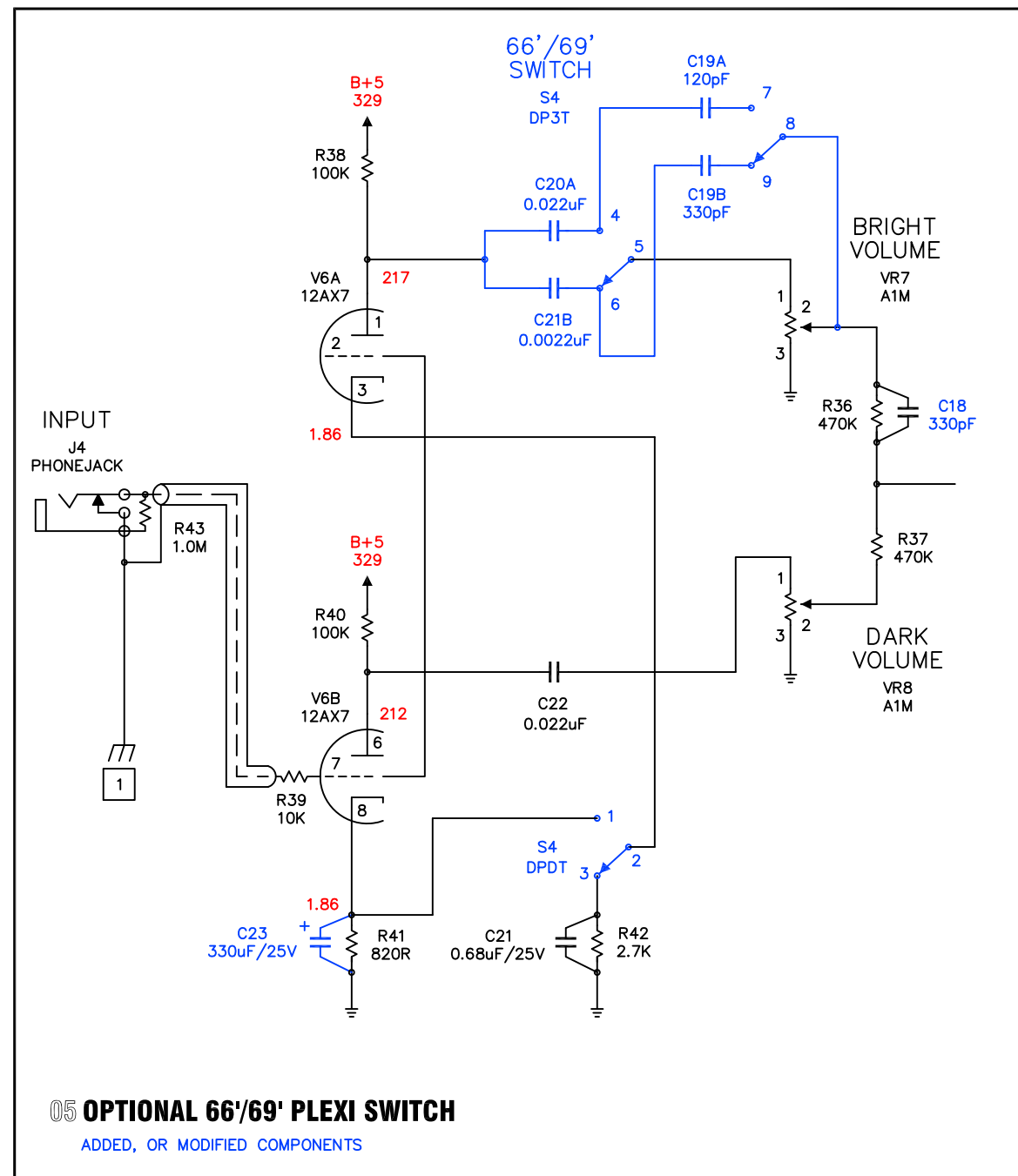
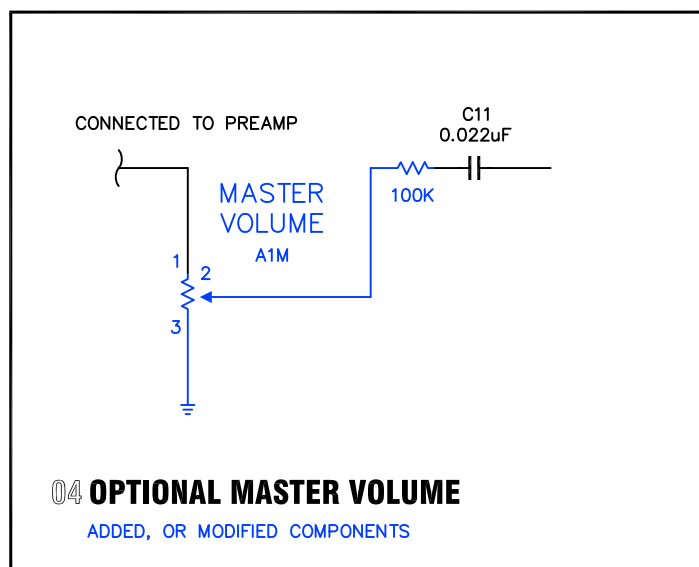
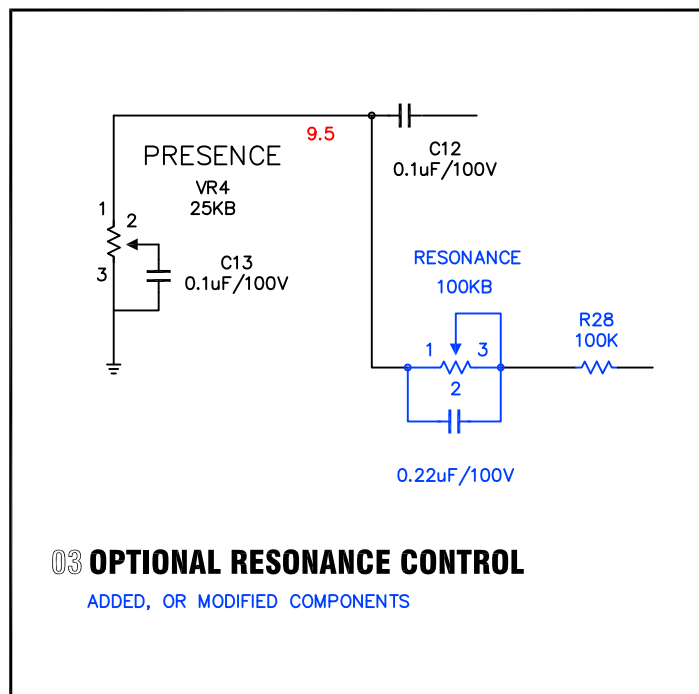
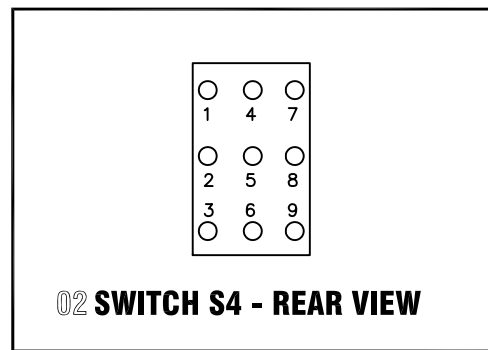
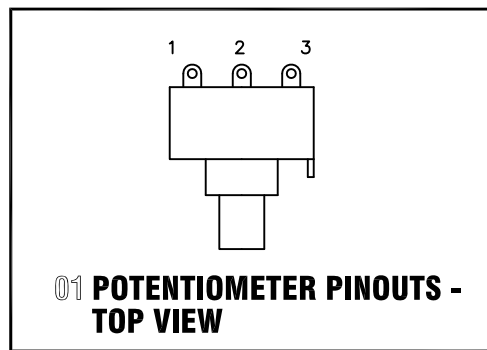


POWER TRANSFORMER
 T1
 HAMMOND 270EX, OR EQUIVALENT
 275-0-275 @ 125mA
 5V @ 3A
 6.3V @ 5A


ChappellAmps
www.chappellamps.com

Title: **October ~ Club Preamp**

Revision	Description
10.10.10	Complete Redesign



GENERAL NOTES:

1. ALL RESISTORS 1/2W MINIMUM UNLESS OTHERWISE NOTED.
2. ALL COUPLING CAPACITORS 400V OR GREATER.
3. VOLTAGE READINGS ARE THOSE TAKEN WITH 6V6-S. THE USE OF OTHER OUTPUT TUBES WILL ALTER YOUR READINGS.
4. THE  SYMBOL REPRESENTS SHIELDED CABLE.

CONSTRUCTION NOTES:

- 1 THIS IS A GROUND CONNECTION TO THE CHASSIS. THE MAINS SAFETY CONNECTION SHOULD BE MADE AS CLOSE AS POSSIBLE TO THE POINT WHERE AC ENTERS THE CHASSIS. THE CIRCUIT CONNECTION SHOULD BE MADE AS CLOSE AS POSSIBLE TO THE INPUT JACK. IDEALLY, THE JACK ITSELF SHOULD BE USED AS THE CONNECTION POINT BY NOT ISOLATING IT FROM THE CHASSIS.
- 2 THESE TWO 0.1R/5W RESISTORS ARE OPTIONAL, AND ARE NEEDED ONLY WHEN YOUR MAINS VOLTAGES ARE GREATER THAN THAT WHICH THE POWER TRANSFORMER WAS WOUND FOR. THE VALUES SHOWN SHOULD BE CORRECT FOR A 115V PT USED WITH 120V MAINS. THE PURPOSE OF THESE TWO RESISTORS IS TO INSURE THAT THE FILAMENT VOLTAGE STAYS WITHIN +/- 10% OF 6.3VAC.

VOLTAGE READING NOTES:

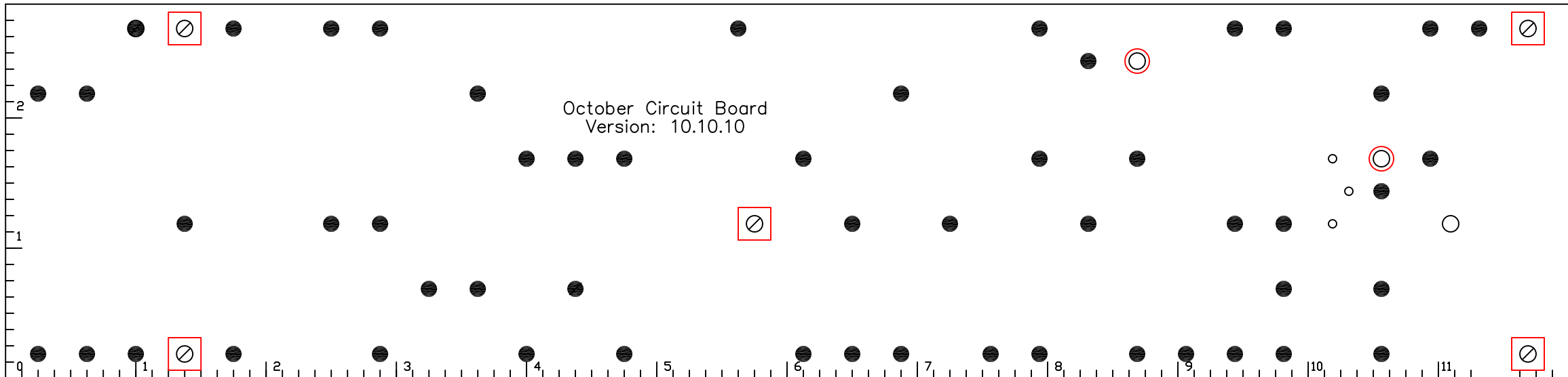
1. THE VOLTAGE READINGS ON THIS SCHEMATIC WERE TAKEN WITH THE BRIGHT & DARK VOLUMES & THE PRESENCE CONTROL AT ZERO.
2. DIFFERENT TUBES DRAW DIFFERENT AMOUNTS OF CURRENT, NO TWO ARE ALIKE UNLESS THEY ARE MATCHED. THE AMOUNT OF CURRENT DRAWN BY ALL THE TUBES IN THE AMP WILL AFFECT VOLTAGE READINGS THROUGHOUT THE AMP.

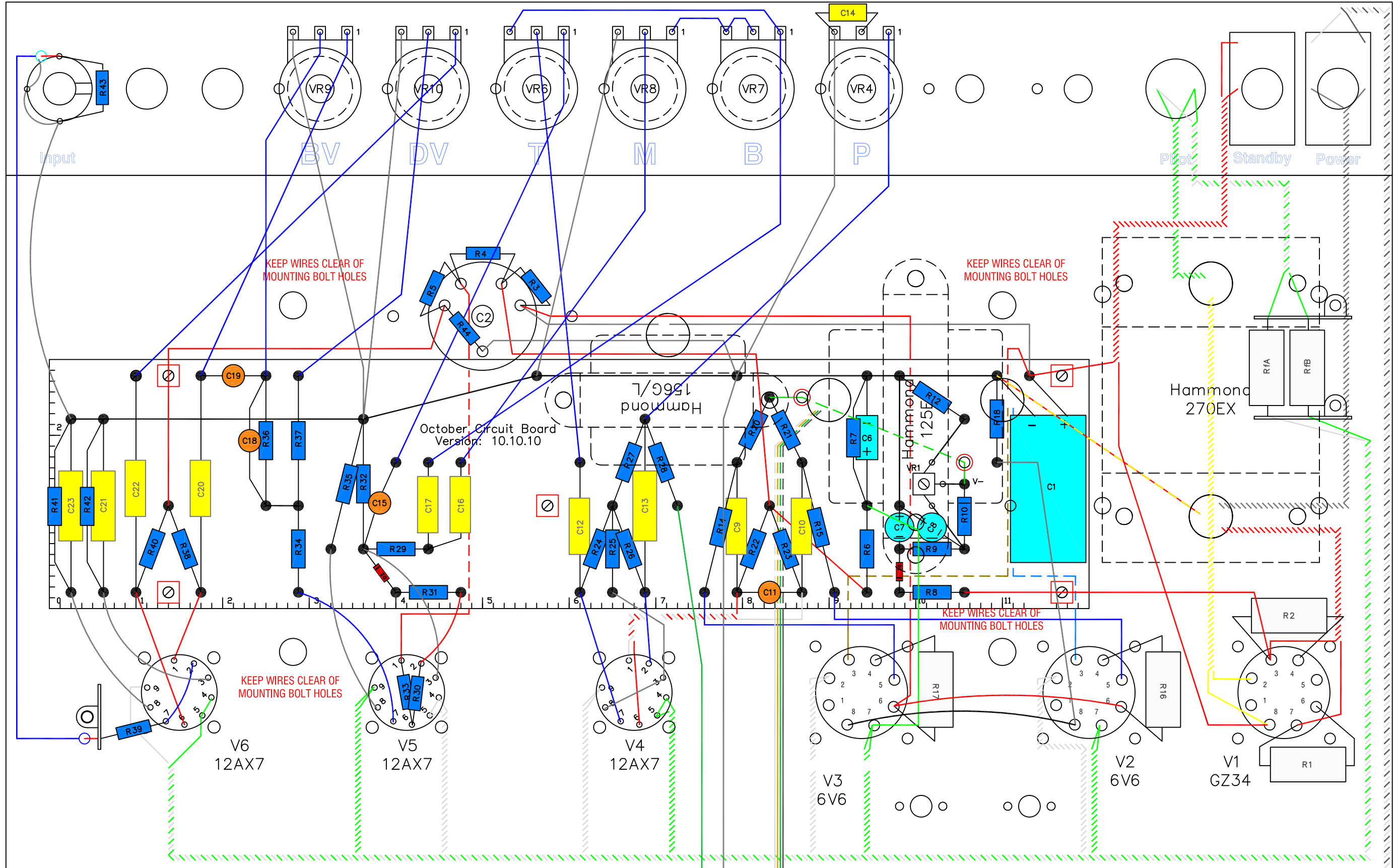
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Title: **October ~ Club Preamp**

Sheet 3 Of 3 Revision: 10.10.10 SN: 08-011





October ~ Club Chassis Layout

Version: 10.10.10

AX84 Kit Chassis 2

Version: 08.05.12

