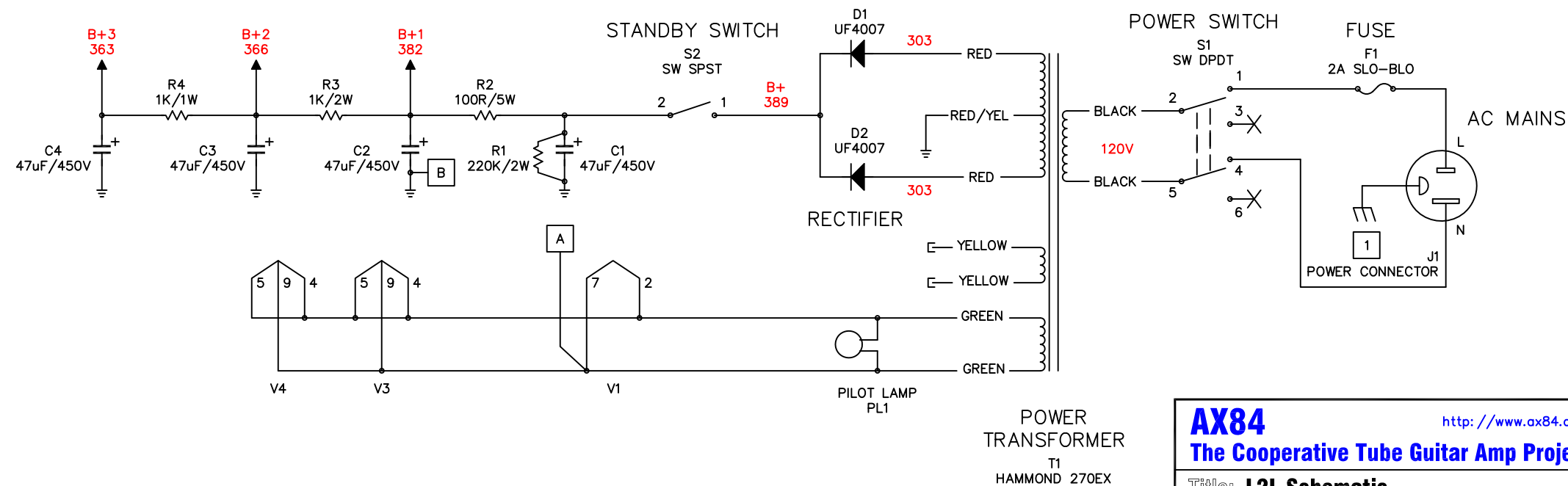
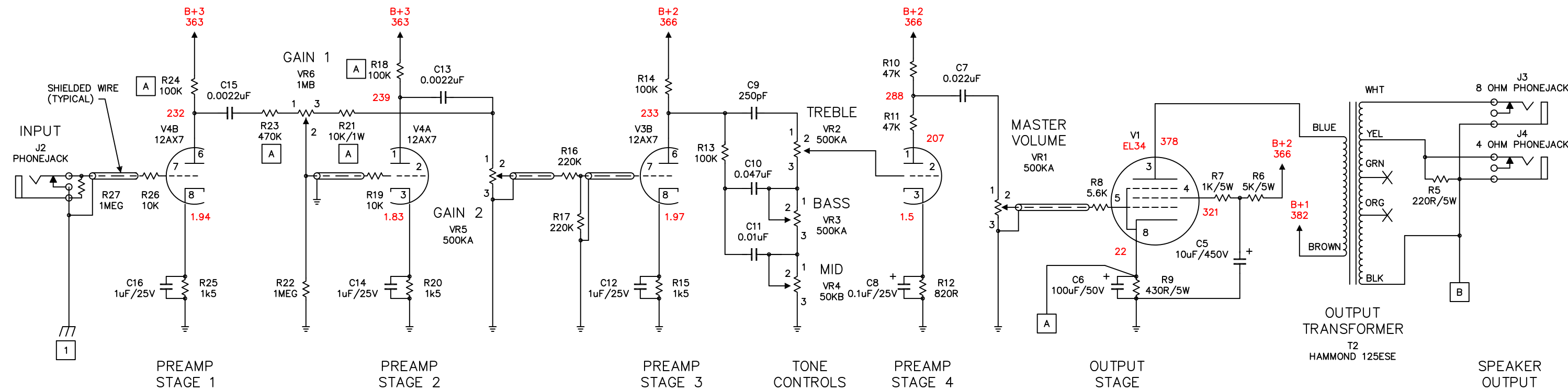
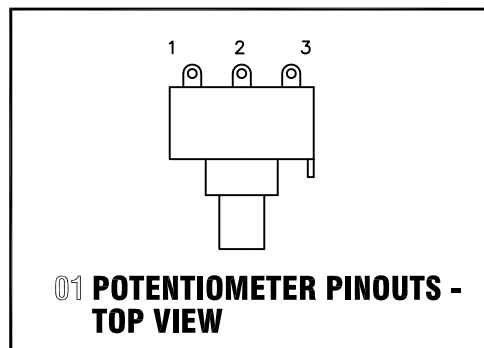


Revision	Description
09.08.26	Initial Design
09.11.24	Added Voltages For EL34

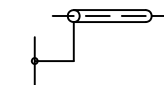
A MEASURES MUST BE TAKEN AT THESE LOCATIONS TO REDUCE NOISE AND HISS. THE USE OF "LOW NOISE" TYPE RESISTORS IS RECOMMENDED. YOU CAN ALSO SUB +/-1W RESISTORS, OR USE 2 RESISTORS OF HALF VALUE IN PARALLEL.



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GENERAL NOTES:

- ALL RESISTORS 1/2W MINIMUM UNLESS OTHERWISE NOTED.
- ALL COUPLING CAPACITORS 400V OR GREATER.
- 47uF/450V ELECTROLYTIC POWER SUPPLY CAPACITOR VALUES/VOLTAGES ARE NOT CRITICAL. SUGGESTED VALUES: 20-50uF AT 450-500V.
- THE HAMMOND 270EX POWER TRANSFORMER IS USED IN THIS AMP. IT MAY BE REPLACED BY UNITS WITH THE FOLLOWING SPECIFICATIONS:
275-0-275V @ 125mA OR MORE SECONDARY B+ TAPS
6.3V @ 4A OR MORE FILAMENT TAPS
- THE HAMMOND 125ESE OUTPUT TRANSFORMER IS USED IN THIS AMP. IT MAY BE REPLACED BY UNITS WITH THE FOLLOWING SPECIFICATIONS:
SINGLE-ENDED OUTPUT
2500 OHM PRIMARY IMPEDENCE
90mA OR MORE MAXIMUM D.C. BIAS
4, 8, AND 16 OHM SECONDARY TAPS
- SHIELDED WIRE, AS WELL AS THE SHIELD'S TIE TO GROUND, IS SHOWN IN THIS MANNER ON THE SCHEMATIC:

- IF YOU HAVE MAINS VOLTAGES OF 200VAC OR ABOVE, YOU SHOULD USE HAMMOND'S 3XX SERIES TRANSFORMERS INSTEAD OF THE 2XX SERIES SHOWN. THE 369EX SHOULD REPLACE THE 269EX, THE 370DX REPLACES THE 270DX, AND THE 370EX REPLACES THE 270EX.

CONSTRUCTION NOTES:

- 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.