

THIS IS A HYBRID BRIDGE USING SILICON FOR THE "LOWER HALF" AND A 5R4 FOR THE UPPER

THE CENTER TAP CAN BE USED TO GET +300V. EVEN THOUGH THERE IS ONLY ONE DIODE THIS IS FULL-WAVE RECTIFIED USING THE SS DIODES AS THE OTHER SIDE

ISOLATED FILAMENT XFMR FOR UPPER EL34 IS NEEDED SINCE ITS CATHODE IS AT NEARLY 400V

NOTE: This is a work-in-process and there are no guarantees! If you attempt a circuit like this be very careful as the B+ voltages involved are very high!

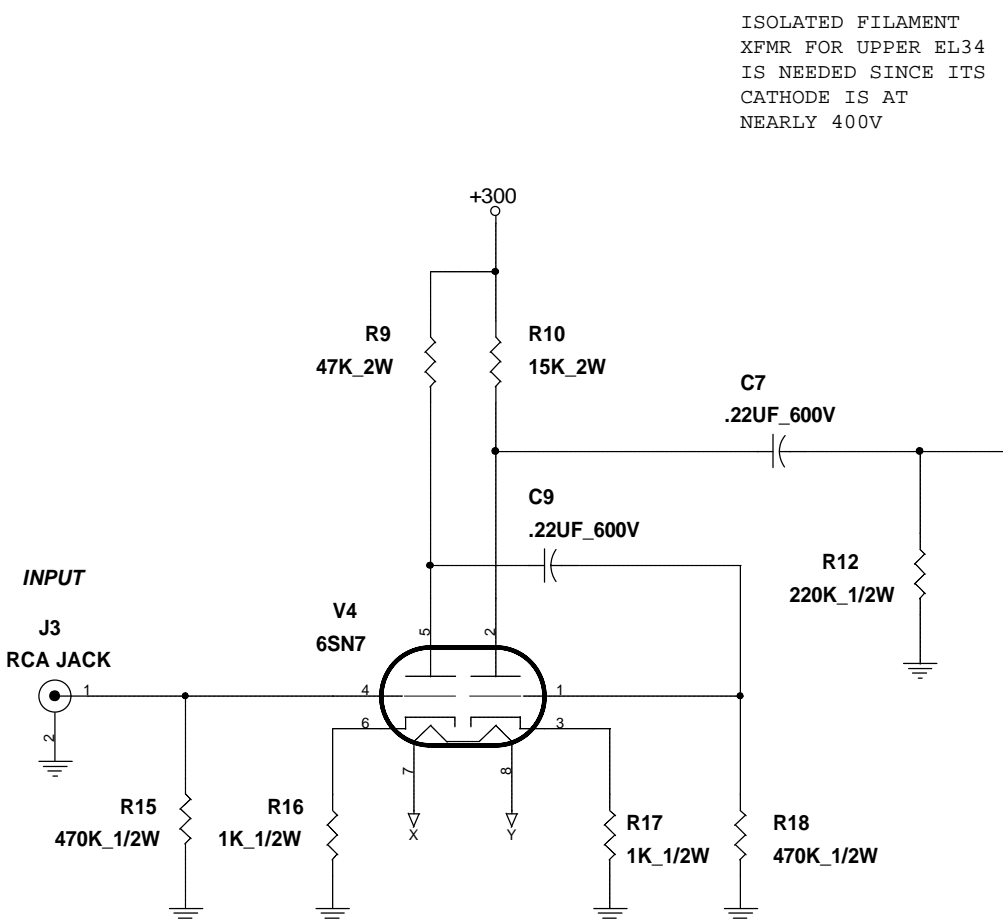
(OR HAMMOND 159Q)  
L1  
10H 170MA

R1 47K\_2W  
R2 47K\_1W  
R3 47K\_2W  
R4 47K\_2W

C1 50UF\_400V  
C2 220UF\_400V  
C3 50UF\_400V  
C4 220UF\_400V

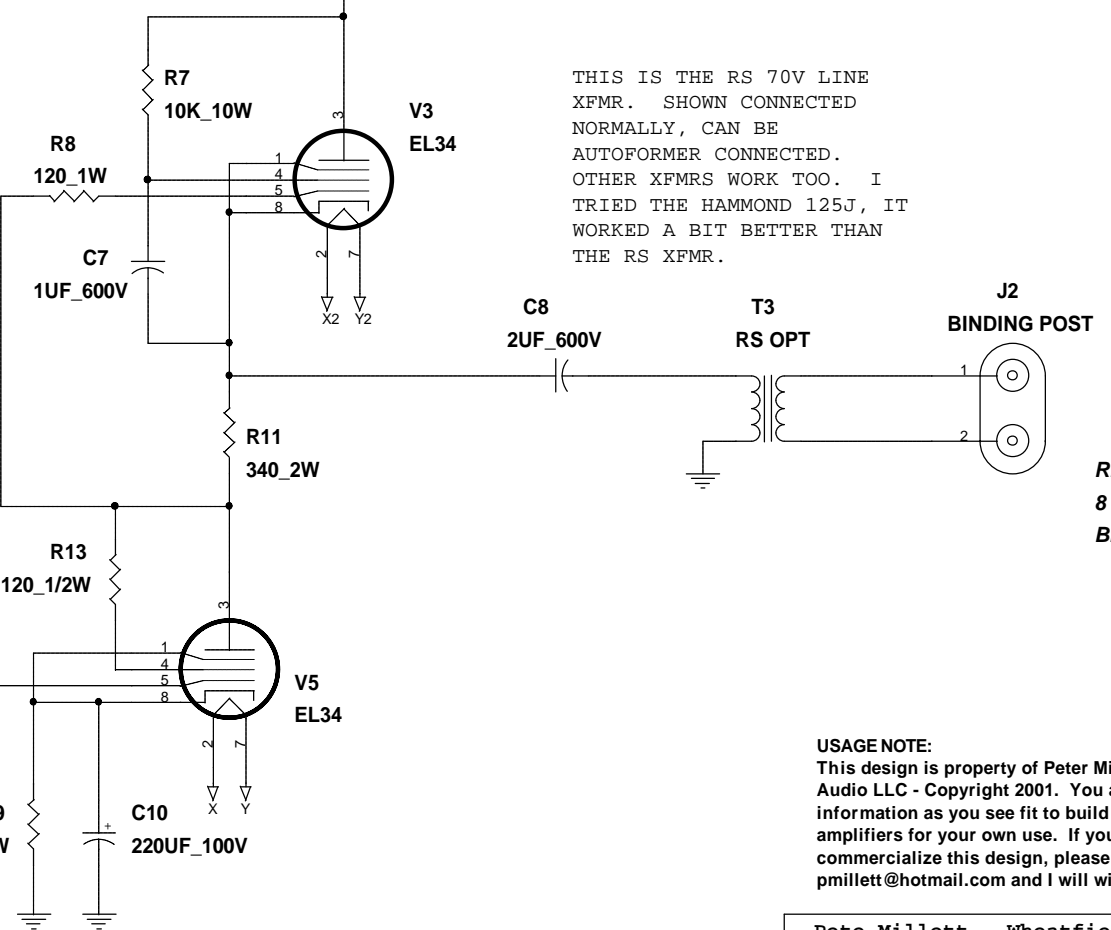
47K BLEEDERS COULD BE LARGER RESISTANCE

THESE CAPS CAN BE LARGER IF DESIRED



THE 120 OHMS RESISTORS ARE GRID STOPPERS

BIAS CURRENT IS JUST UNDER 70mA



THIS IS THE RS 70V LINE XFMR. SHOWN CONNECTED NORMALLY, CAN BE AUTOFORMER CONNECTED. OTHER XFMRs WORK TOO. I TRIED THE HAMMOND 125J, IT WORKED A BIT BETTER THAN THE RS XFMR.

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Pete Millett - Wheatfield Audio LLC		
Title <b>EL34 TRIODE SRPP AMPLIFIER</b>		
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