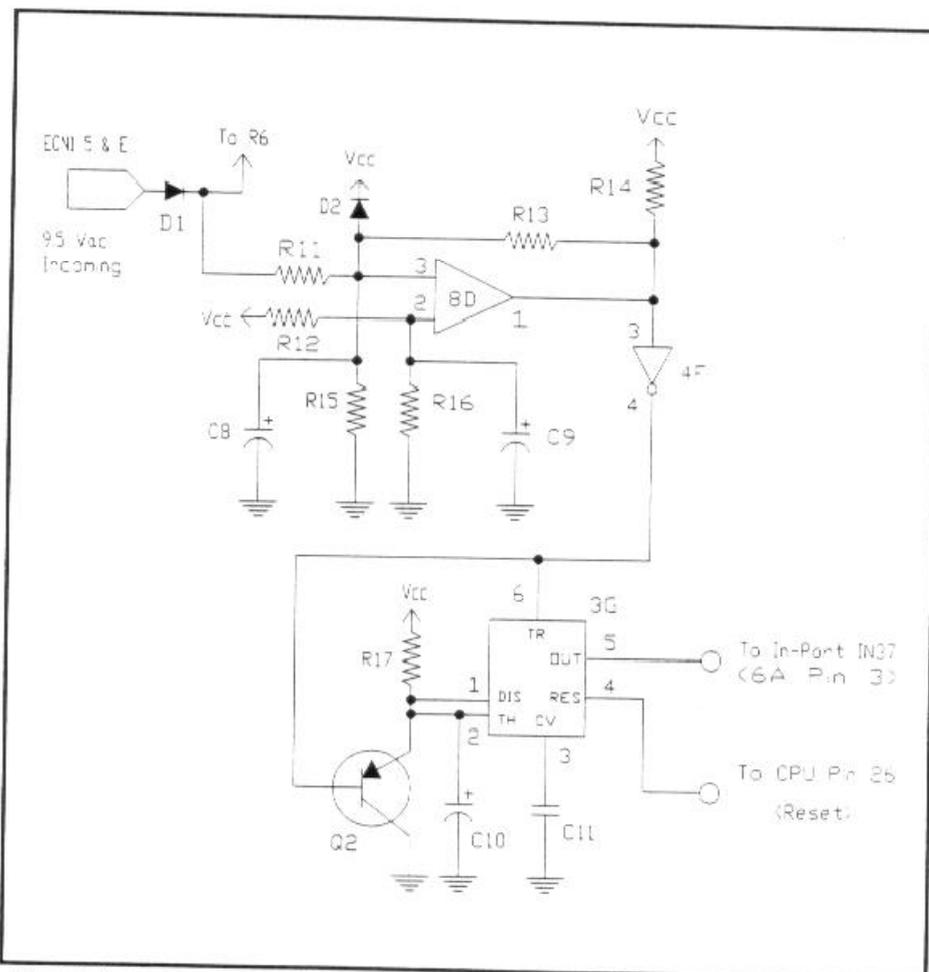


10. LOW-VOLTAGE LINE SENSING

The 9.5 Vac winding on the secondary of the transformer in the power supply is connected directly to the main logic board at ECN-1 pins 5 and E. If the incoming voltage drops below proper operating level - to approximately 92 Vac - the change will be felt on Pin 3 of Voltage Comparator 8D. The imbalance at the comparator results in a trigger signal sent to I.C. 3G / 1 (Pin 6). The output (Pin 5) is then felt as an input signal on the 6A decoder (Port IN37) which then forwards this in-port status change to the CPU. Upon receiving this particular in-port signal, the CPU shuts down operation and displays the appropriate "11" code and goes into TILT mode.



Line Voltage Sensing Circuitry (for component values, refer to main schematic)