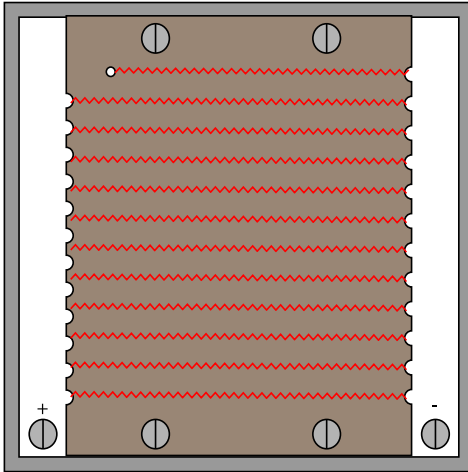
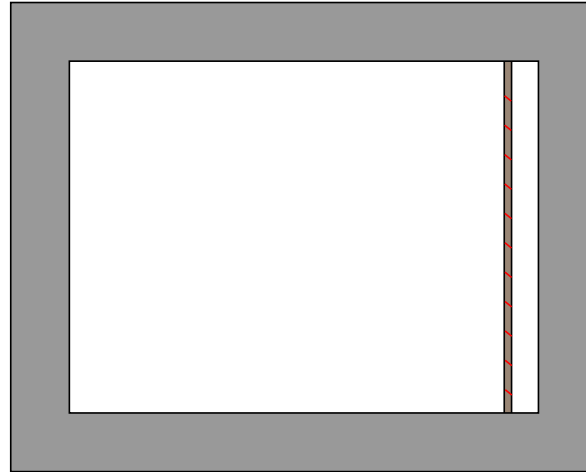


Front



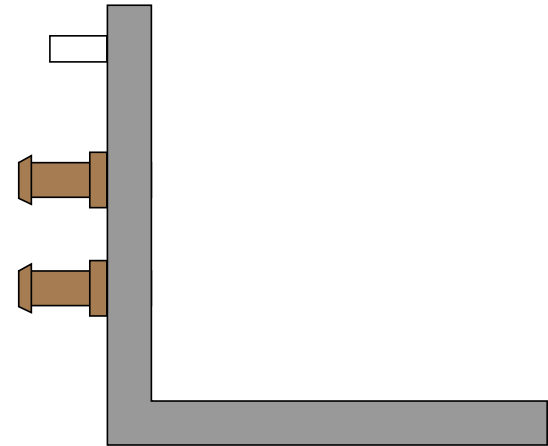
The Mica is from a toaster, laser cut to this shape. It was secured with 10-24 screws, using nuts for spacing from back wall. The power supply bolts were also 10-24, using nylon spacers and washers to isolate from the aluminum case. The nichrome wire was scavenged from the same toaster as the Mica. I weeded away unnecessary parts until I had a single 110V AC circuit of nichrome wire. This did away with any complex step down wiring and allowed use of a single heavy duty 10 amp on/off switch.

Side



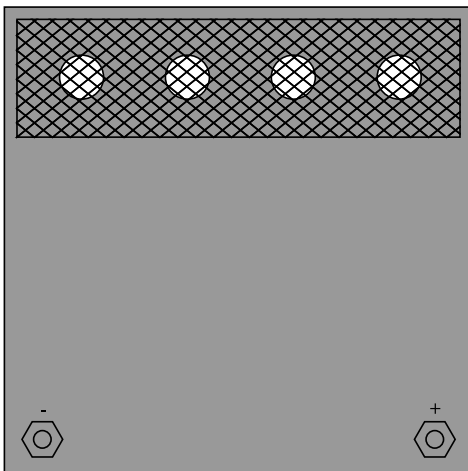
Case was made from 4x4 square aluminum tubing. It was cut to length and the end plugged with 3/8" thick aluminum and secured with aluminum dowels. Viewing windows were then cut into each side of the tubing. I then laser cut 1/16" clear acrylic and applied them to these windows using 3M VHB (very high bond) tape.

Cigarette Holder / Sled

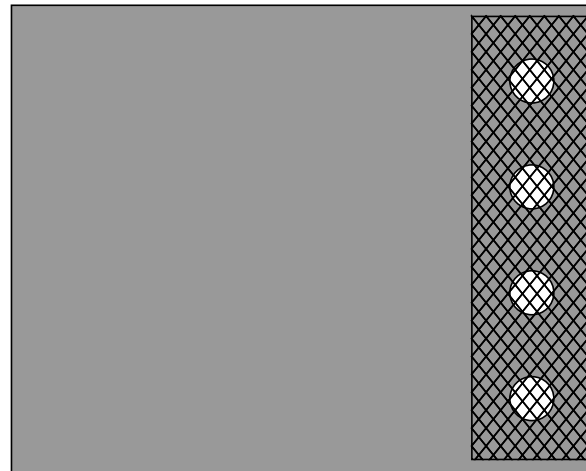


The cigarette holder/sled was cut from 3/8" thick angled aluminum. The 4 cigarette holders were made from brass air fittings, drilled to the proper 7.5 mm diameter to accommodate the average cigarette diameter. The handle was fashioned from 2 10-24 bolts with nuts, with a piece of laser cut acrylic spanning the bolts.

Rear



Top



3/8" ventilation holes were drilled in the top and rear. These holes were then covered with metal screen material and secured using 2 part clear epoxy.