

## Plaque fabrication

The plaques are made from 0.7 mm CZ108 brass sheet.

The lettering was created with Inkscape and Gcode generated which was then transferred to Universal-Gcode-Sender running on an arduino 3018 cnc mill and plotted with acid resistance ink.

Each plate was then placed in a sodium persulphate etch bath with air bubble (fish tank aerator) agitation at 40 degrees centigrade.

Brass not protected by the acid resist ink was eaten away leaving behind raised letters.

The entire plaque was then dried in an oven at minimum heat setting and then sprayed with automotive acrylic gloss black,

After heat curing the paint on the letters was removed with 800 grade wet or dry paper, used wet.

After heat drying the plaque was sprayed with two coats of acrylic clear gloss, gently rubbed down and a final coat added.

The bases are plywood, sealed with natural Shellac dissolved in methylated spirits and then coated with 3 coats of child safe lacquer.

Finally the brass sheet was attached with epoxy resin and pressed while curing.