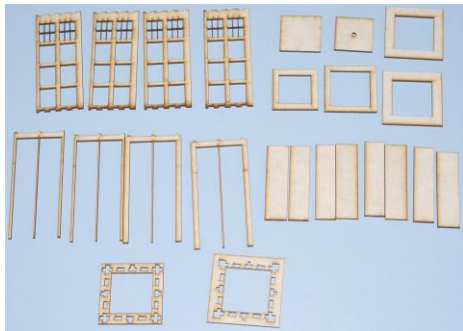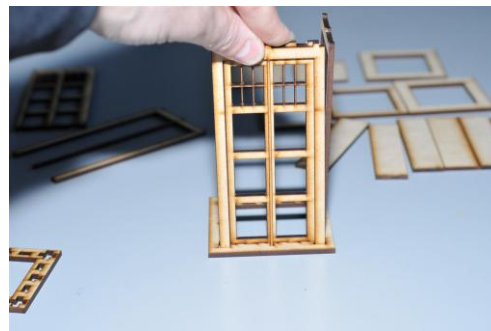# POLICE BOX Build Instructions

The laser-cutter files can be found through the Kwartzlab server (kwartzlab.ca). They are made for 3mm material at least 300x300mm in size. This example is made from hardboard, but any 3mm laser-cuttable material can be used such as acrylic, cardboard, etc.

Requires: glue, paint, paper for inside windows and signage.

kwartzlab makerspace

1. Lay out pieces with scorched side up. Note the two thick and two thin door frames which fit the base. Sequence is thick-thin-thick-thin. Inner doors nest inside each other. Broken outer-door centres can be glued back in place.

2. Build scorched side out. The base is asymmetric to fit the doors. A quick dry-fit will ensure parts to in the correct place. The door centres should be exactly centered with each other.
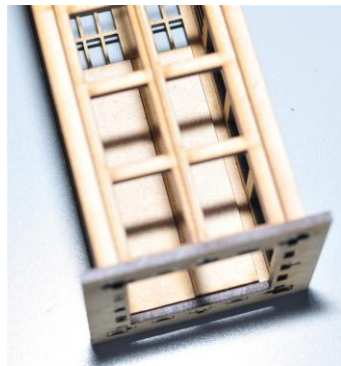
3. It's easiest to build upside-down, placing the door panels in the roof. Make sure the outer door panel is pulled towards the top of the door frame.
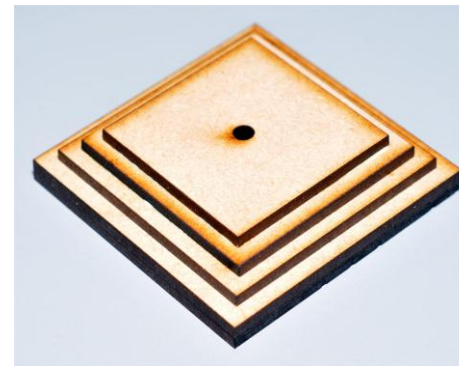
4. Glue the bottom in place, then after about 15 minutes flip over and glue the top in place. The outer door frame may need some glue in the centres.
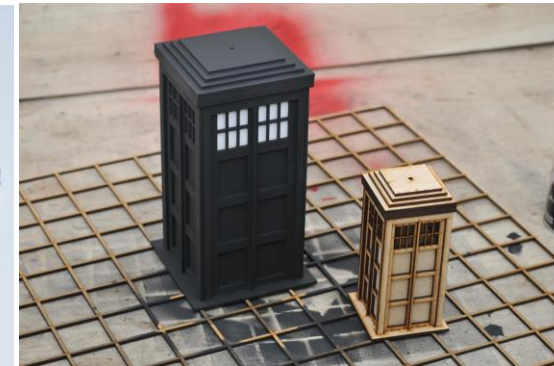
5. The door panels come in two sizes. Glue the outer edges, and place inside tight to the edges. Place the thick one first, then the thinner one tightly next to it.

6. There should be a gap for the next side door panel. Wait a couple minutes for glue to set, then rotate and do the next side.

7. Glue caps together, make sure all are aligned.

8. Paint. Cut paper to fit windows and glue to inside. Signage can be laser-printed and glued.