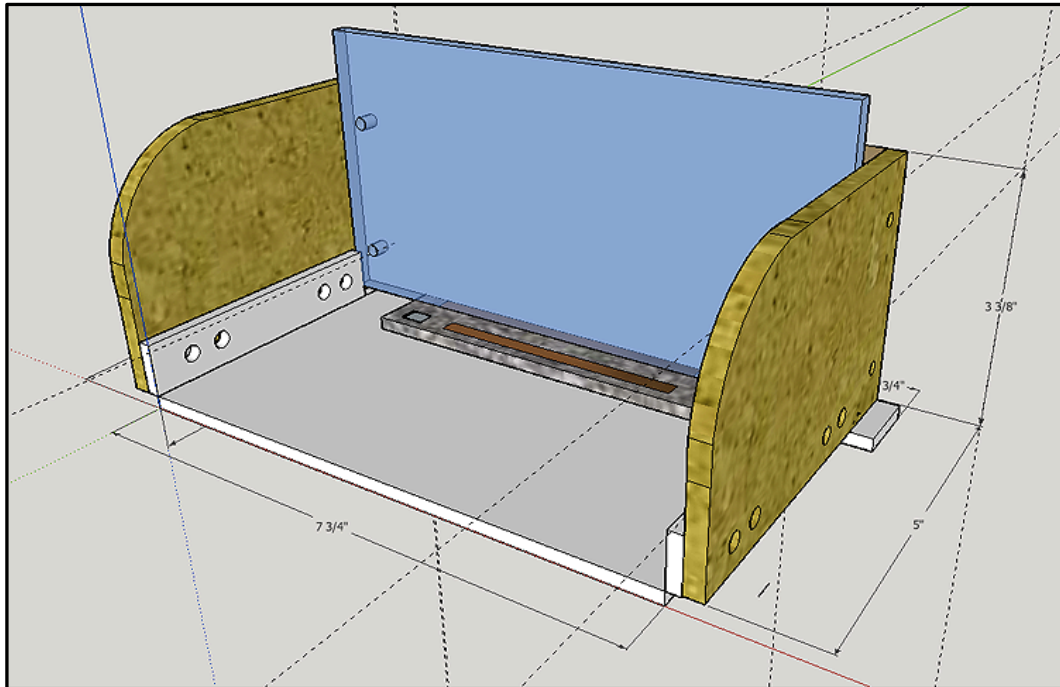


Tools, Materials, and Fasteners Lesson



Tools:

- Craft cutters, with ruler and cutting mat
- Corrugated plastic cutter
- Utility Snips
- Powered cardboard cutter
- Scroll Saw
- Bandsaw
- Drill Press with Drill press vise
- Hand Drill and vise
- PVC Cutter

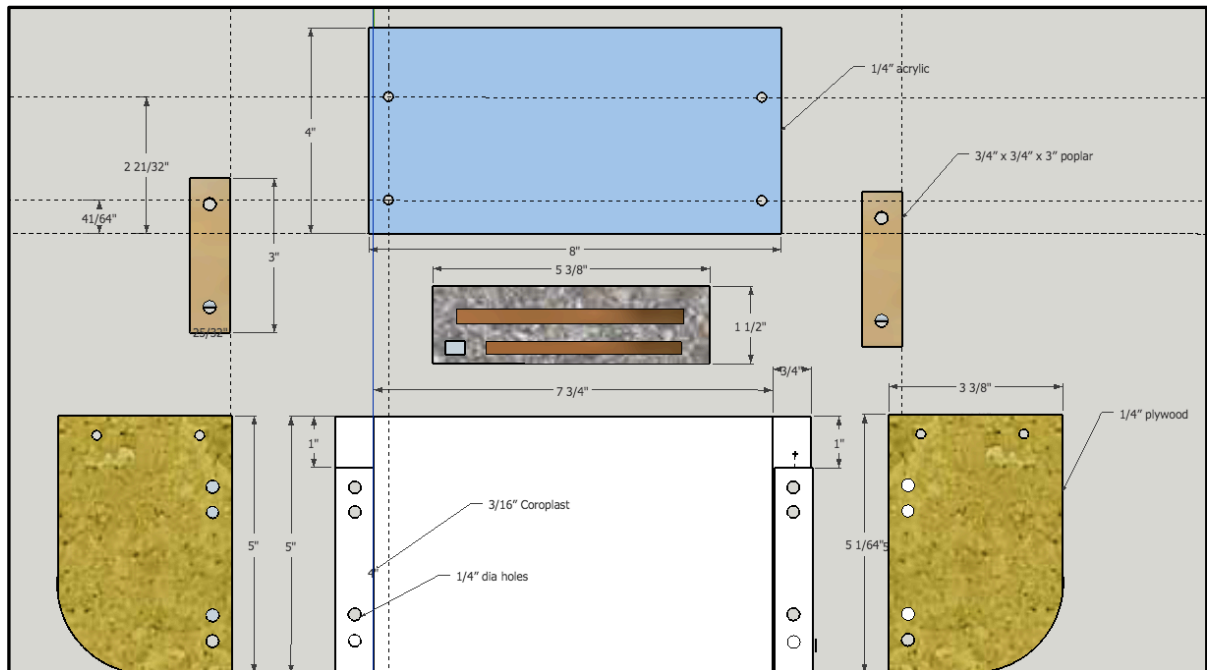
Materials:

- 1 Acrylic Backplate
- 2 plywood sidewalls
- 1 wood stick 3/4" x 3/4" x about 8"
- 1 piece of corrugated plastic(Coroplast), about 6" x 12"
- 1 piece of 1/2" PVC pipe, 12" long
- 1/2" PVC fittings, angles and elbows
- Machine Screws, #6 x 1 -1/2"
- Hex Nuts, #6
- Flat washers, #6
- Self-tapping Screws, #6 x 3/4"

Tasks:

Coroplast- drawing provided

- Mark Edges and holes
- Cut and score
- Drill holes($3/16$ " and $1/4$ ")
- Fold along score lines
- Check with drawing



Wood Sticks- Drawing provided

- Mark length and holes
- Drill holes
- Saw wood to length
- Check with drawing

Assemble wood sticks to acrylic back plate and wood side plates

- Refer to model
- Use machine screws with washers and hex nuts in larger holes
- Use Self-tapping screws and washers in smaller holes

Assemble Coroplast to Acrylic/Wood Structure

- Fasten with zip-ties

PVC Pipe and Fittings

- Cut pipe and add fittings to make a handle
- Drill holes to match acrylic backplate

- Fasten with machine screws, washers, nuts

