

# HART™



## Bath Tray

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## PROJECT PLAN

**Finished Dimensions:** 36" W x 12" D x 8" W

**Skill Level:** Intermediate

# Materials

Item	Qty
1" x 12" x 4' Unfinished Pine Board*	1
Wood Stain	1 can
Polycrylic Clear Finish	1 can
Wood Glue	1 bottle
2-1/2" Wood Screws	8
Sandpaper: 180g, 220g	1 pack
Wood Filler	1 pack

\* Board dimensions are "nominal." Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

A select/premium board or plywood comes with a smoother surface finish. It is clear or has very few tight knots, and it will have straight and sharp edges. This grade of wood pairs well with other boards or panels better and requires less time to sand and finish.

# Tools Used



Jigsaw



Circular Saw



Impact Driver



Orbital Sander



Drill/Driver



Tape Measure



Work Table &  
Clamps



Safety Glasses



Carpenter's  
Pencil



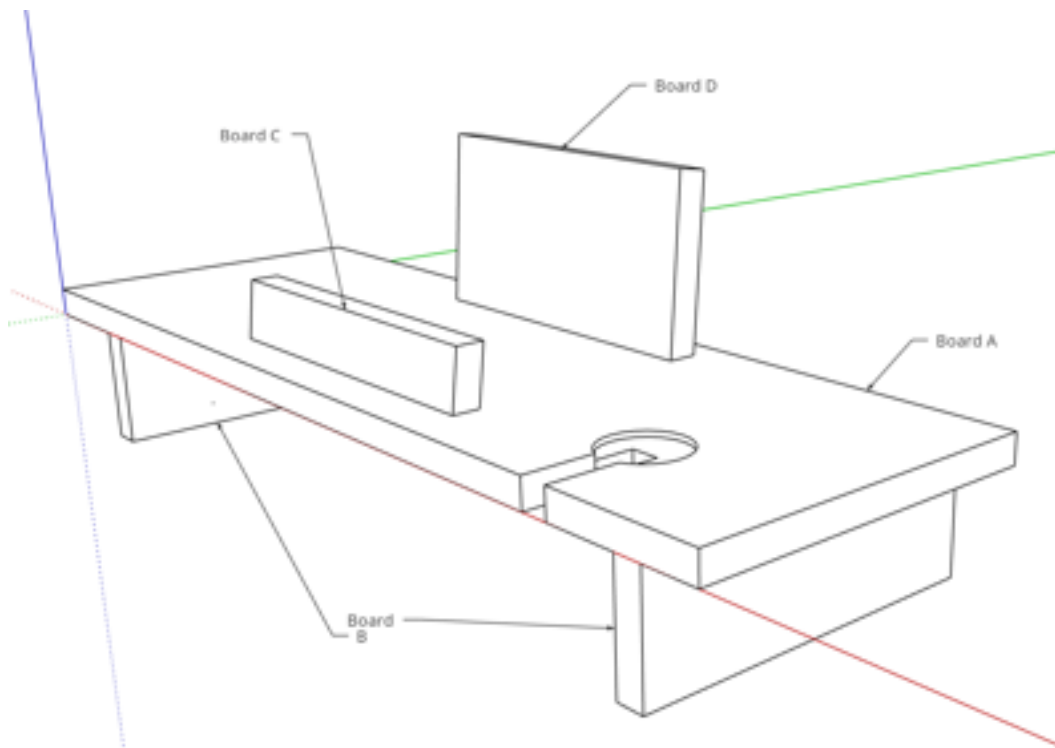
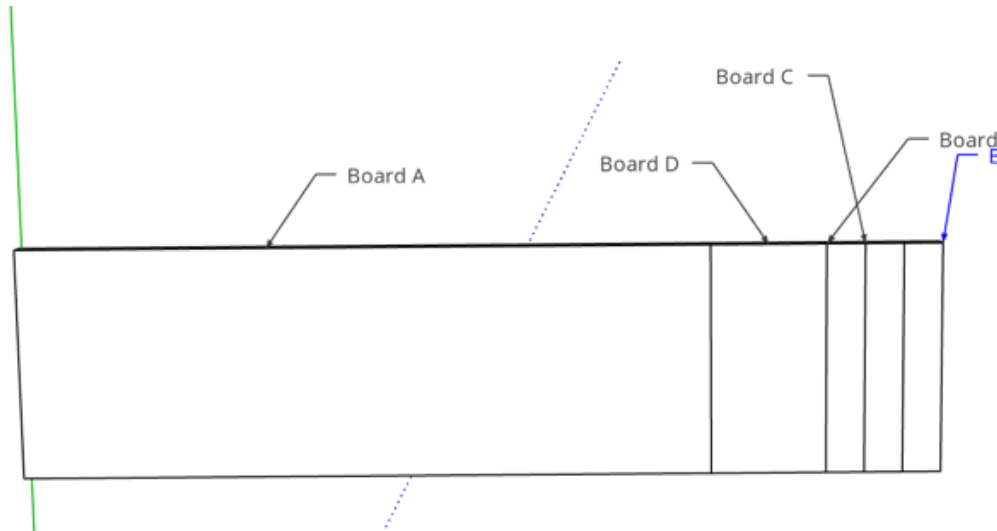
Rotary Tool

**Battery Tip:** A 4.0Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

# Lumber Cut List

Board*	Description	Cut To	Qty
1" x 12" x 4' Board*	Board A: Straight Cuts	36"	1
1" x 12" x 4' Board*	Board B: Straight Cut Ts	2"	2
1" x 12" x 4' Board*	Board C: Cut (1) side at 10° angle	2"	1
1" x 12" x 4' Board*	Board D: Cut (1) side at 10° angle	6"	1

\* Board dimensions are "nominal." Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.



# Assembly Instructions

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## Step 1


Measure the width of your bath from outside-edge to outside-edge and then again from inside-edge to inside-edge (you'll need this second measurement later to make the tub spacers).

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## Step 2

Cut down your board to the measurements in your cut list.

Remember, your tray's width may vary from ours because not all tubs are the same width. We took our measurements from a standard shower/tub insert.

 **Tip -** If you don't have a finishing blade for the circular saw, put painter's tape over the area you plan to cut to prevent tear-out.

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## Step 3

Now let's make the spot for a wine glass or drink. On the right-hand side of Board A, measure and mark a 1" wide and 5" deep rectangle. Then use a jigsaw to cut around the outline.

 **Tip -** I used a multi-tool to cut out the top of the rectangle.

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## Step 4

Now, take your rotary tool and use the sandpaper attachment to smoothe the cutout area and create rounded edges.

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## Step 5

On one side of your 36" board, trace around the base of a wine glass to create a circle.

We were using a wine glass base as a template. Center the glass to the end of the cutout rectangle we just cut off.

## Step 6

Use the rotary tool and sandpaper attachment to sand down the area and create a lip for a cup about 1 cm deep.

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## Step 7

Once that is all smooth. Sand all pieces to the finishing smooth of 220g. Leave the marks you made on the edge in the beginning.

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## Step 8

Time to assemble! Starting with the bottom tub spacers (Board B), pre-drill two holes and apply glue to the side that will touch Board A. Then screw in. Make sure to mount these on the side edge of the mark you made.

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## Step 9

Now flip the board to be resting on the newly mounted Board B. Take Board D center to Board B. Then mark 3" in from the top. Once marked, pre-drill holes through Board A.

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## Step 10

From the bottom of Board A, attach screws into Board D.

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## Step 11

Repeat steps 9-10 for Board C. Make sure to align with Board D.

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## Step 12

Add wood filler to any area that needs it. Allow the filler to dry completely.

## Step 13

Once the wood filler is dry, sand all surfaces completely smooth.

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## Step 14

Let's add a personal touch! With a rotary tool and engraving attachments, write a sweet note to the mother/maternal figure in your life.

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## Step 15

Add the desired stain (we used a dark walnut color) and allow it to dry completely.

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## Step 16

Apply a polyacrylic finish to keep your board protected from the moisture in your bathroom. Allow the finish to completely dry.



Tip - Apply at least three coats of poly and lightly sand between each coat using at least 200g sandpaper—this will ensure that your topcoat is entirely smooth.

Your project is complete! Now add a bow and gift this beautiful bath tray to the mother in your life!