

Braille Box Construction Plan

Supplies:

- One 4'x4' piece of 13/32" plywood. All pieces are cut from 13/32" plywood.
- Two 1 1/2" hinges to attach lid of box to bottom of box.
- One hinged lid support to open and close box.
- Wood glue.
- Lacquer (apply via spray or with brush).
- Four non-slip adhesive pads for bottom of box to protect from scratching tabletops.

Tools:

- Table saw
- Rule (measurement instrument)
- Lacquer (apply via spray or with brush)
- Wood glue
- Brad nailer
- Screw driver
- Sander and sand paper

Lid:

- Sides of Box Lid: cut two 10 1/4" x 1 1/2" side pieces to form the outside wall.
- Front and back sides of lid: cut two 1 1/2" x 11 1/2" side pieces.
- Top of lid: cut one 9 1/2" x 11 1/2" piece for lid top.

Bottom of Box:

- Cut one 9 1/2" x 11 1/2" piece for the box bottom.
- Sides of box base: cut two 3 1/2" x 10 1/4" side pieces to form the outside wall.
- Front and back sides: cut two 3 1/2" x 11 1/2" side pieces for the front and back of the base.

Assembling:

- Use wood glue and brad nails to assemble.
- The front and rear side pieces, and bottom piece fit inside the outside walls.
- The sides and walls are also attached with wood glue and brad nails.

Finishing:

- After the box is assembled, use a sander to smooth the inside and outside surfaces to round any sharp corners and remove any splintering from sawing.
- When you finish sanding, finish all wood (inside and outside) with enough lacquer to seal the wood and prevent future splinters. Let lacquer dry and sand the box lightly between coats of lacquer.

- After finish is dry, attach the hinges to connect the lid and base of box.
- Attach the hinged lid support to desired open position.
- Place non-skid pads on the four corners of the bottom of the box.