

Bench Project

Building Time: 2-3 hours

Age Level: 10 years and up

Materials:

-18 2" #8 Phillips flat head wood screws

-Sandpaper

-Paint or varnish

-Paintbrush

-Drill and bit

-Circular saw

-Level

-Wood

1 – 1" x 12" x 36" (top)

2 – 1" x 6" x 36" (sides rails/ skirt)

1 – 1" x 6" x 24" (inside brace)

2 – 1" x 10" x 17" (legs)

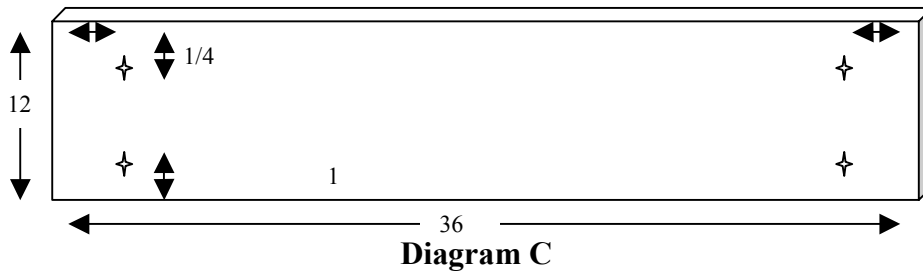
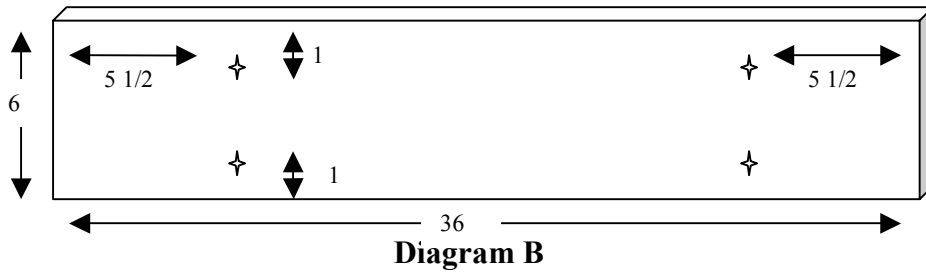
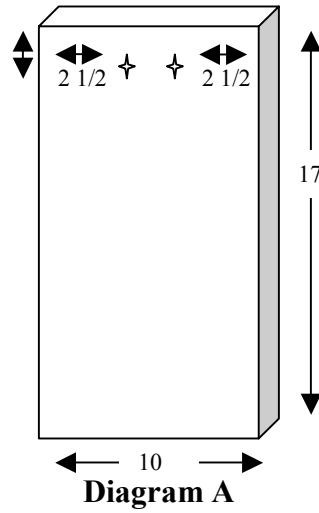


Procedure:

1. Gather materials and cut boards to appropriate lengths.
2. Sand and paint/stain (optional) all pieces
3. Take the 2 legs (1" x 10" x 17") and drill 2 holes in the top of each leg, $\frac{1}{4}$ " from the top and $2\frac{1}{2}$ " from each side (*see Diagram A*).
4. Drill 4 holes in each side rail (1" x 6" x 36"), 2 holes on each side $5\frac{1}{2}$ " from the top and bottom and 1" in from each edge on both pieces (*see Diagram B*).
5. Drill 4 holes in the top piece (1" x 12" x 36"). Drill 2 holes in the top $\frac{1}{4}$ " from each side and 1" from the top of the board. Drill 2 holes in the bottom of the board, 1" from the bottom and $\frac{1}{4}$ " from the edge (*see Diagram C*).
6. Place the inside brace (1" x 6" x 24") on a flat surface and line up the 2 legs (1" x 10" x 17") flush on either side so that the holes line up with either end of the brace and screw into place (*see Diagram D*).
7. Line up the holes on either end of the outer side rails with the outside of the legs and

screw into place on each side (see Diagram E).

8. Turn the bench right side up and then place the top piece on the top (see Diagram F).
Screw into place.



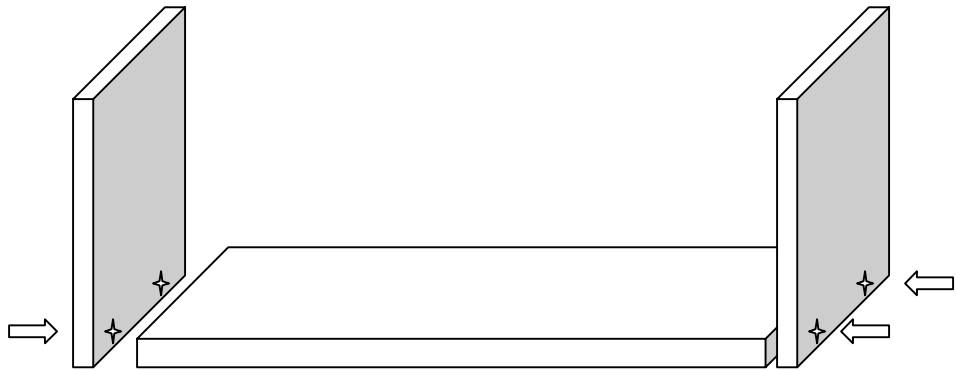


Diagram D

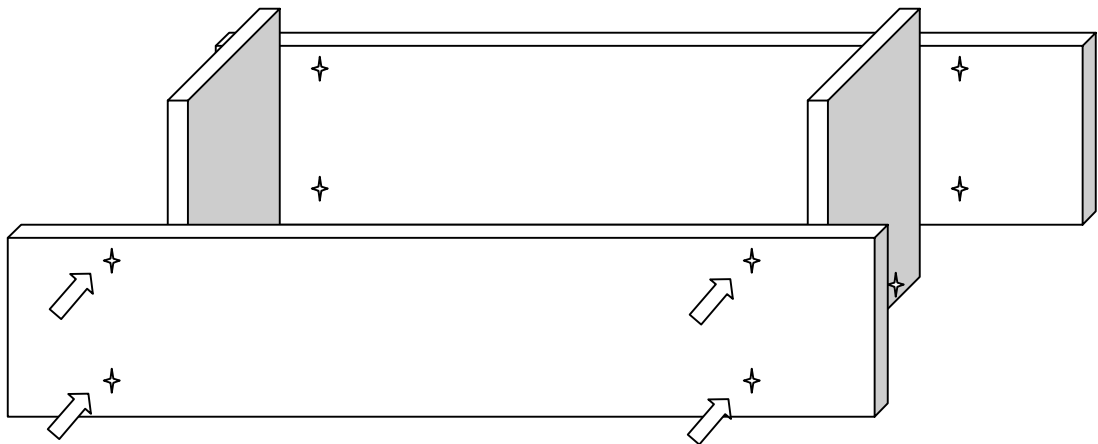


Diagram E

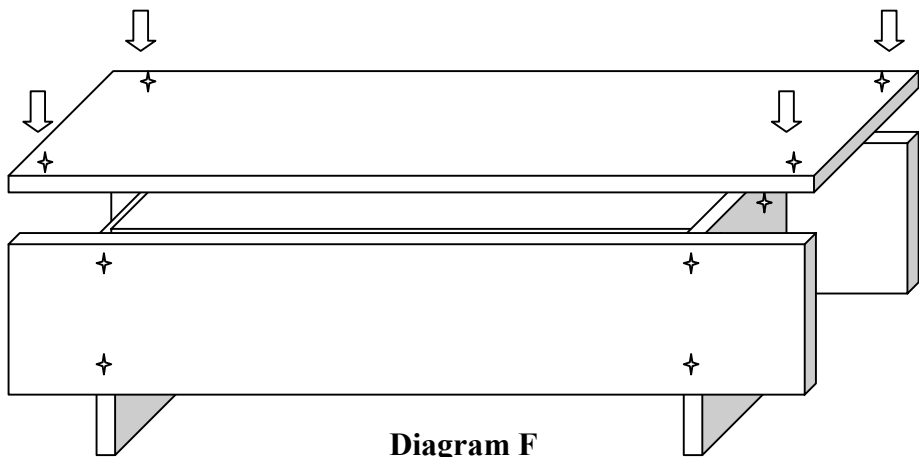


Diagram F



Completed Bench