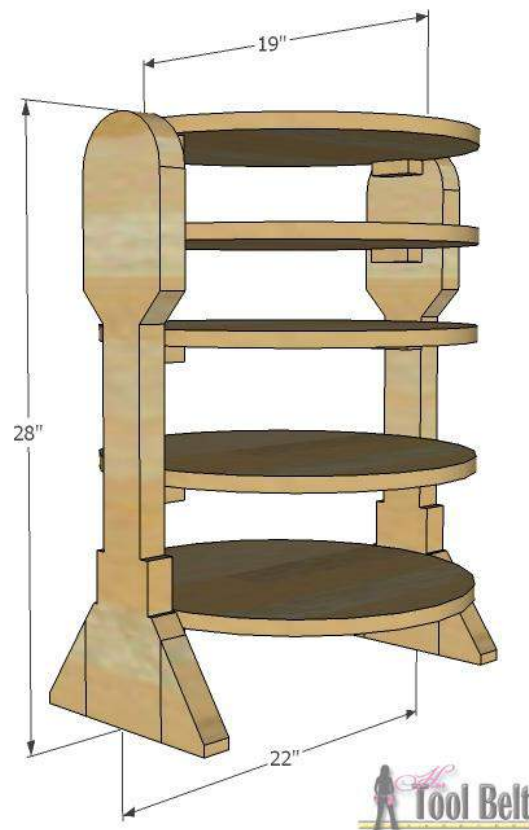


How to Build a R2-D2 Side Table

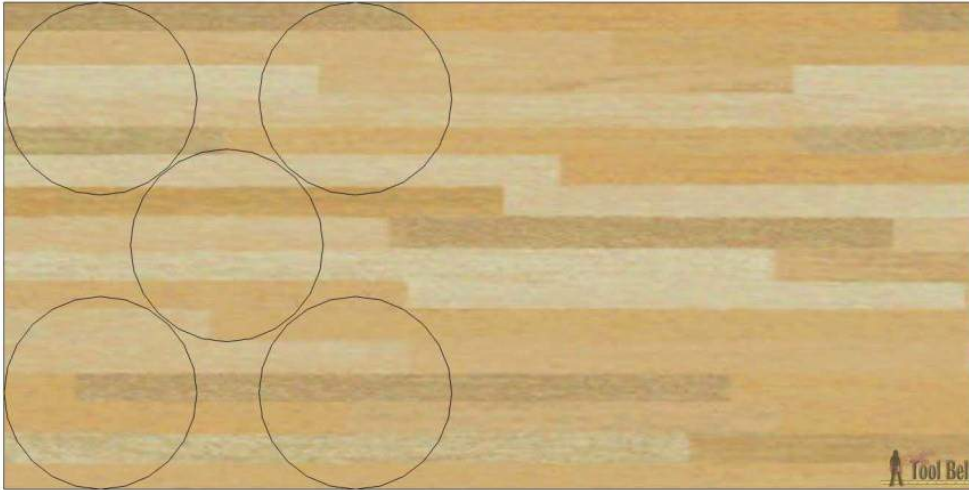


Materials

- 1 - 2" x 6" x 8' board (actual 1 1/2" x 5 1/2")
- 1 - 1" x 3" x 6' board (actual 3/4" x 2 1/2")
- 1 - sheet 3/4" plywood (4' x 8') or 5 [wood rounds](#) (these are 17 3/4" and should work fine, but a little smaller than what I did)
- [2 1/2" screws](#) (I like self tapping screws)*
- [1 1/4" screws](#) (I like self tapping screws)*
- [wood glue](#)*
- [spackle](#)*
- [wood filler](#)*
- sandpaper
- Paint (This is what I used: Primer - Zinsser, Paint - Behr ultra pure white, [MM Oyster metallic](#)* paint, [MM Silver metallic](#)* paint, [MM Sashay red](#)* metallic paint, Valspar midnight sonata (lightened a little), Americana Decor relic.) Most of these paints I had left over from the [hyperspace wall](#).

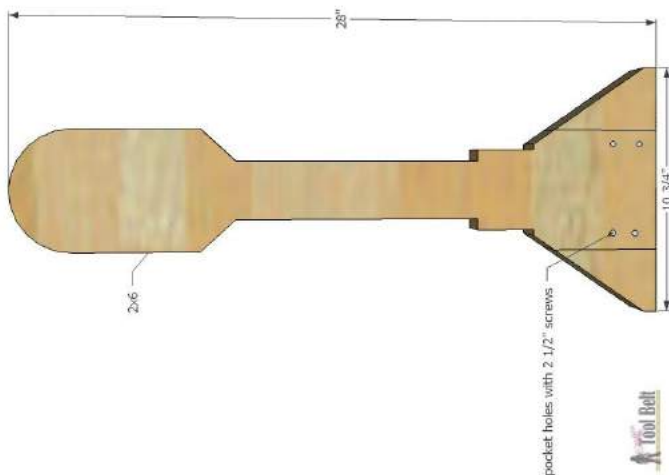
Step 1

Print 19" circle pattern (make sure the printer is set to 100%, not 'fit to page'.) Line up the circle, tape together then cut out. Trace circles on the plywood and use a jig saw, scroll saw or band saw to cut out. (You can also use a router with a circle template.) Sand the edges so they are smooth. When I'm painting plywood edges, I like to use my finger to make a skim coat of spackle to fill any voids. I let the spackle dry then lightly sand it. This will help give a nice smooth painted edge.



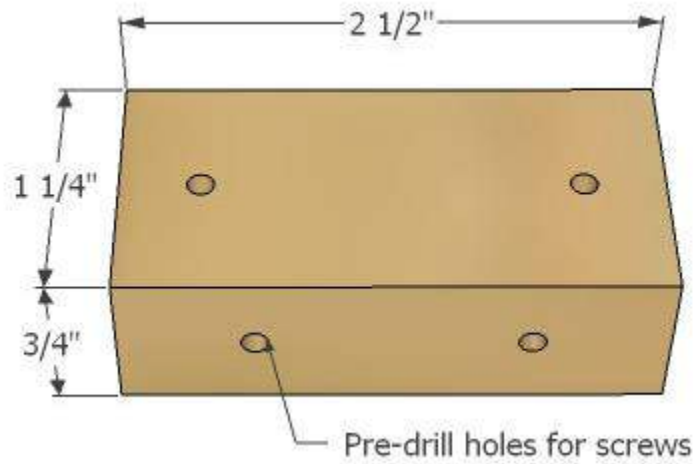
Step 2

Print the leg pattern. Line up the pattern, tape together and cut out. Trace 2 leg patterns onto the 2x6, you'll need to trace 4 of the triangle bases separately. Use a jig saw, scroll saw or band saw to cut out the leg pieces. Drill [pocket holes](#)* in the base of the legs to attach the extended triangle pieces. Use wood glue and 2 1/2" pocket hole screws to attach 2 triangles to the base of each leg. Use wood filler to fill and pocket holes, cracks or blemishes and allow to dry. Sand the legs smooth.

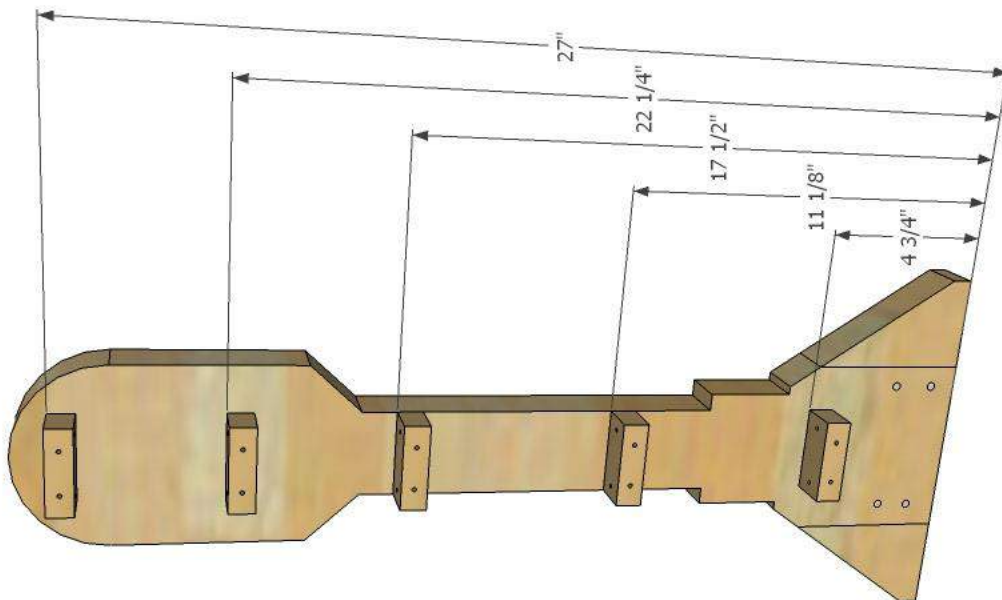


Step 3

Cut 10 pieces of 1x3 at 1 1/4" long. Drill pilot holes for the screws, 2 through the 3/4" side and 2 through the 1 1/4" side. Stagger the holes, so the screws won't try and hit each other.



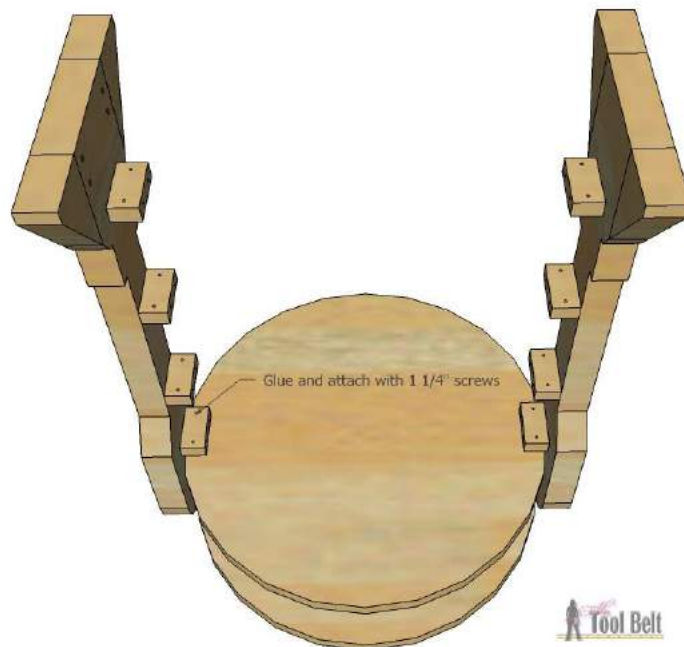
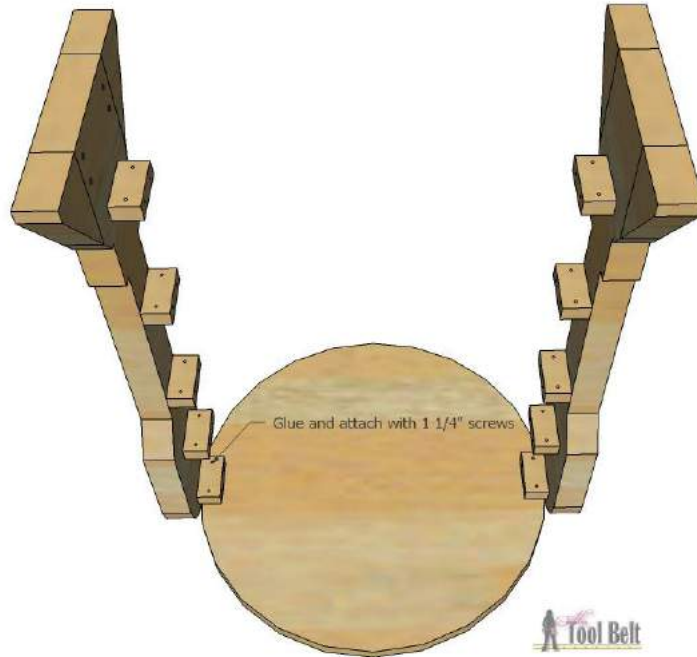
Attach the shelf supports to the legs. These are the measurements I used for the table, adjust as you'd like. If I were to build another one, I might try and make the top 3 shelves closer together??? Center each shelf support on the leg, and use wood glue and 2 1/2" screws to secure on the leg.

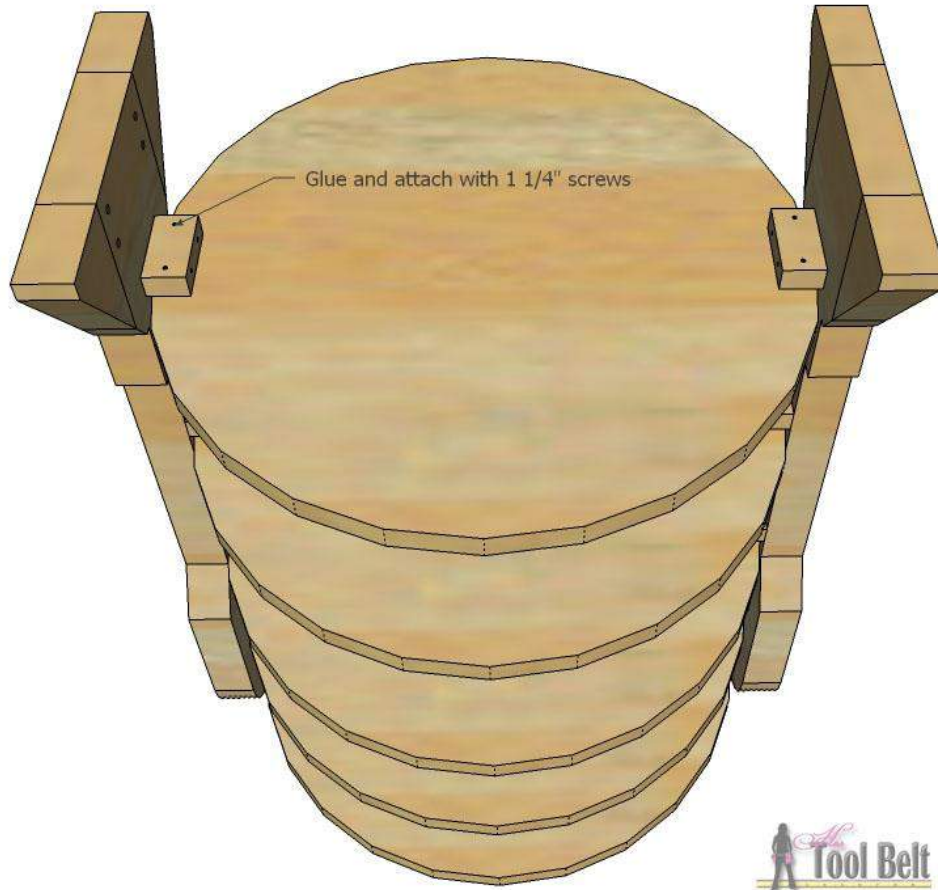


Step 4

(You may want to prime and paint the table before assembly.) Find the center line of each round shelf.

Turn the legs upside down, place the first shelf on the ground and use wood glue and 1 1/4" screws to attach the shelf to the shelf supports. Repeat for each shelf.





Remove any excess glue and you're ready to paint.



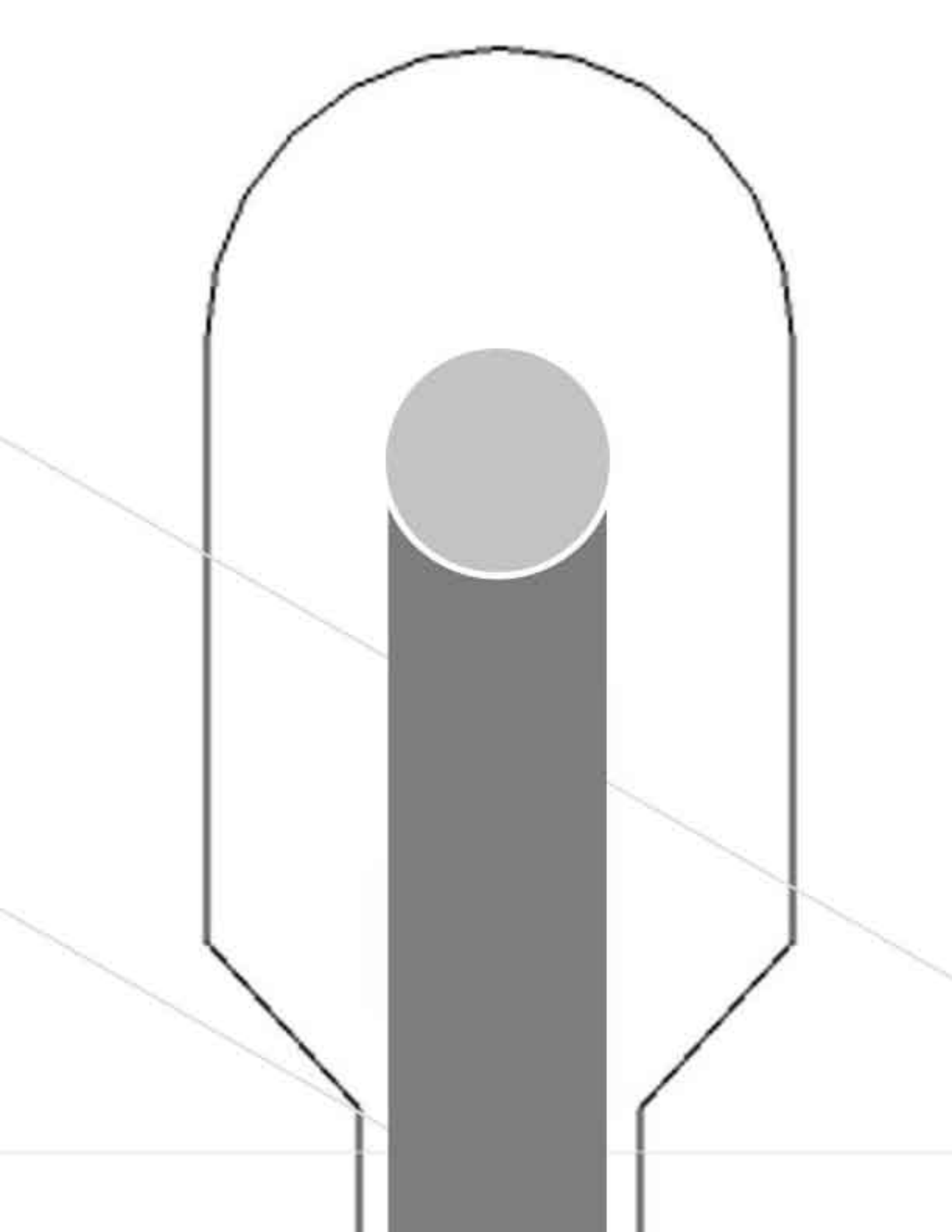


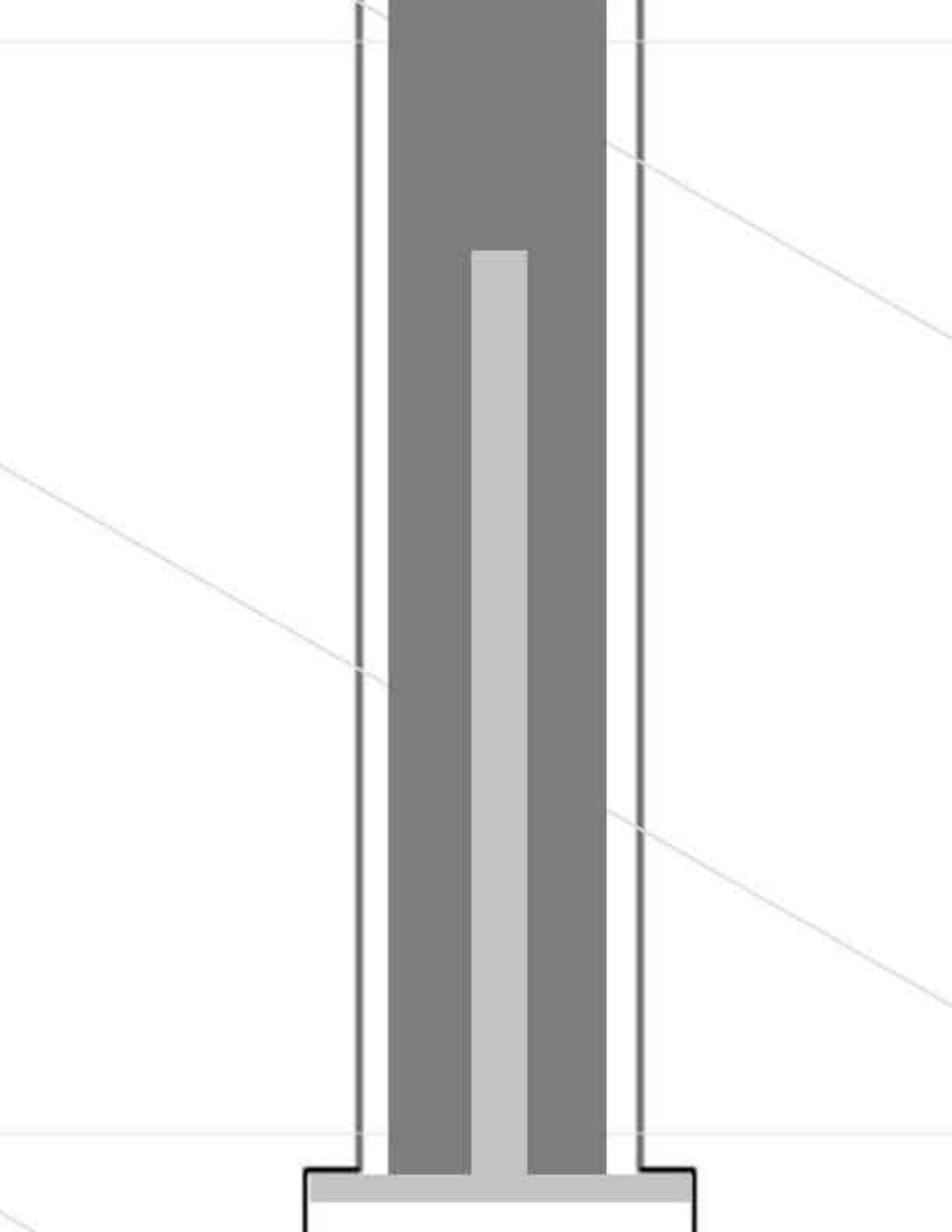




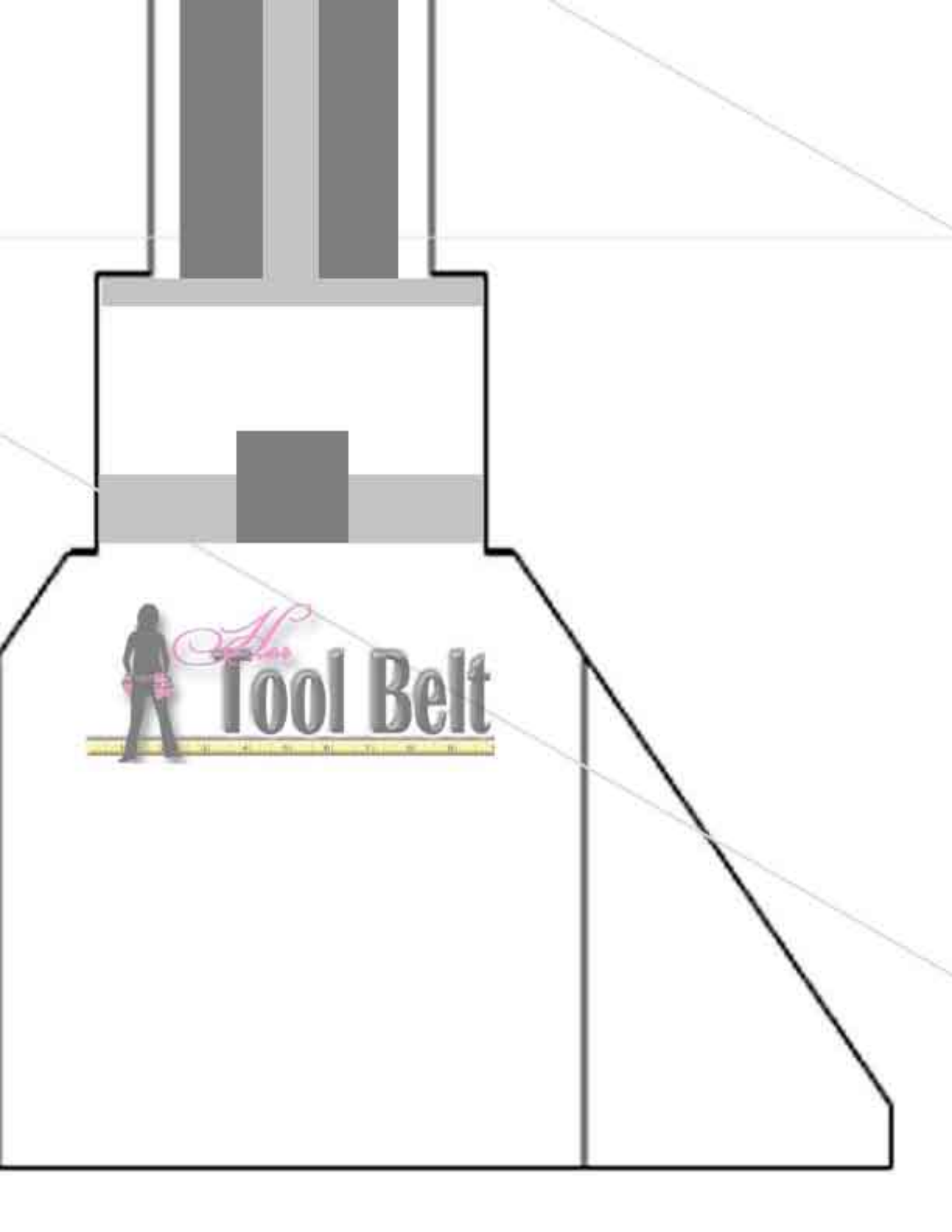












Stripe 1



Stripe 2 & 3

Stripes 4 & 5