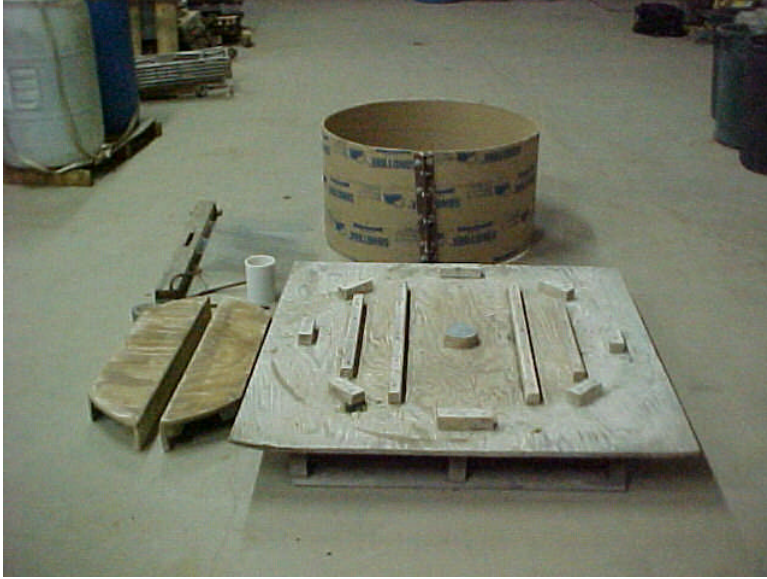


HOW TO BUILD A TENT DEAD WEIGHT



Material List

- 1- 36" dia sonotube
- 1- pallet
- 1- 3/4" plywood 4' x 8'
- 1- 2 x 4 x 48"
- 3- 2 x 2 x 8"
- 2- pcs angle iron 1 1/2" x 1 1/2" x 20"
- 1- pc plastic pipe 4" dia. X 6"
- 1- pc rebar 1/2" x 48"
- 10- 1/4" x 1 1/4" flat head bolt (some times called elevator or stove bolt)
- 10- 1/4" nut
- 10- 1/4" flat washer
- 4 - 5/16" x 1" bolt
- 4 - 5/16" nut
- 8- 5/16" flat washer
- 2 pcs 1/2" mesh screen 16" x 24"
- Duct tape
- 1 5/8" all-purpose screws (APS)



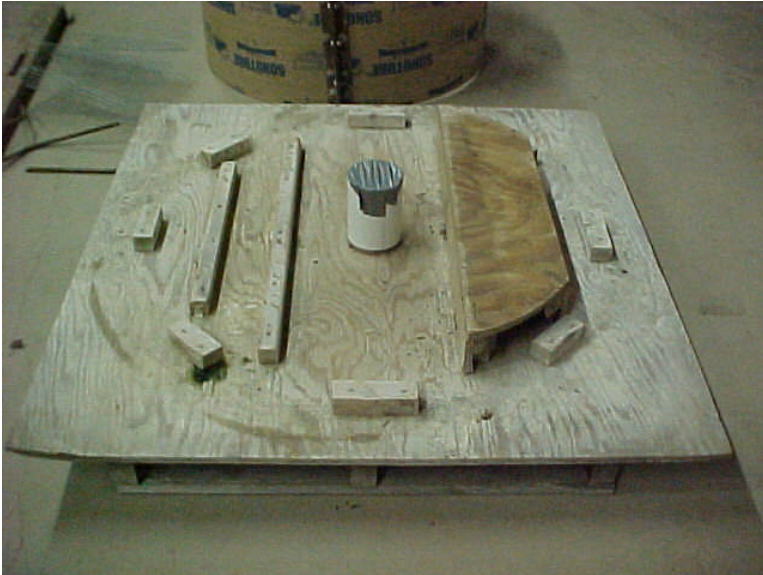
Cut the 36" diameter sonotube to a length of 20"
Then cut it length wise from top to bottom on one side

Drill 5 evenly spaced 1/4" holes in one side of each angle iron

On the other side of each angle iron drill 4 evenly spaced 5/16" holes. Clamp the angle iron together before drilling so both angle irons have the same spacing on the 5/16" holes. Using the 5/16" bolts, nuts, and washers attach the 2 pieces of angle iron together



Using the bolted together angle iron as a template drill 1/4" holes through the sonotube along each side of the lengthwise cut. Using the 1/4" flat head elevator bolts and nuts and washers bolt the angle iron to the sonotube.



Cut the 4' x 8' plywood to 4' x 4'
 Cut 1 piece 2"x4"x4" and shape it into a column
 4" diameter by 2" tall.

Attach the column to the center of the base
 using all purpose screws(APS)

Flip the base over so the column is facing up
 and attach the plywood base to the pallet
 using APS.

With the remaining 4' x 4' piece of plywood cut
 out and assemble the fork pockets. Check the
 spacing and size of the forks on your pallet
 jack and fork lift as you may have to adjust the
 following dimensions. The pocket dimensions
 are 4" tall by 8" wide and the outer length is 22"
 and the inner length is 33" The radius on each
 end is scribed onto the plywood using the
 sonotube as a pattern and then cut out

Cut 2 pieces 2"x2"x22" and 2 pieces 2"x2"x33"
 Place the sonotube centered on the column onto
 the base and then attach the above 2x2's to the
 base.

Attach them to the base with APS as shown to
 position the pockets onto the base.

Cut 8 pieces 2"x2"x4" Attach these 2x2's with
 APS to the base on the outside of the sonotube
 to hold it into position on the base



Place the plastic pipe over the column
 in the center of the form and tape the
 top closed with duct tape

Bend the wire mesh into a "Z" shaped
 pattern and place into the form filling
 the side void to the right and left of the
 pockets. This mesh will provide the
 strength to keep the sides from falling
 off your completed dead weight. No
 other mesh or reinforcing is needed.



Cut 1 piece 2'x4'x38" and then cut a slot into it on the 4" side dead center. This slot measures 6" long by 1" wide and is used to position the rebar into the form. Bend the rebar as shown and hang into the form from the slotted 2x4. Coat the form with some type of form release or waste oil to prevent the concrete from sticking to the form. Fill the form with concrete until it is 2" from the top of the form. Use a gas or electric powered breaker on the base of the form to provide some vibration after you have filled the form, this will give you a perfectly smooth concrete dead weight and also allow the concrete to fill all the voids in the form. Let stand overnight or until the concrete is set.

Unbolt the 5/16" bolts that hold the sonotube together and carefully remove the sonotube. Using a fork lift and chain lift the completed dead weight off the form and carefully pry the pockets out of the weight. You now have a 1500 lb fork liftable, pallet jackable, stackable tent weight



Stacked for storage



In Use