

Quickly Transform the Shipping Pallet Into a Low-cost PEX Uncoiler

This example uses materials recovered from the shipping pallet used to deliver your panel, along with a length of ABS pipe. You can replace the ABS pipe with a different material.

Tools and materials:

- Circular saw
- 36 inches of ABS pipe
- Reciprocating saw with a metal-cutting blade
- 2-inch hole saw
- Hammer
- Tape measure and pencil
- Drill
- Safety glasses
- Wood screws
- Sawhorses or other raised surface for supporting the uncoiler



Instructions

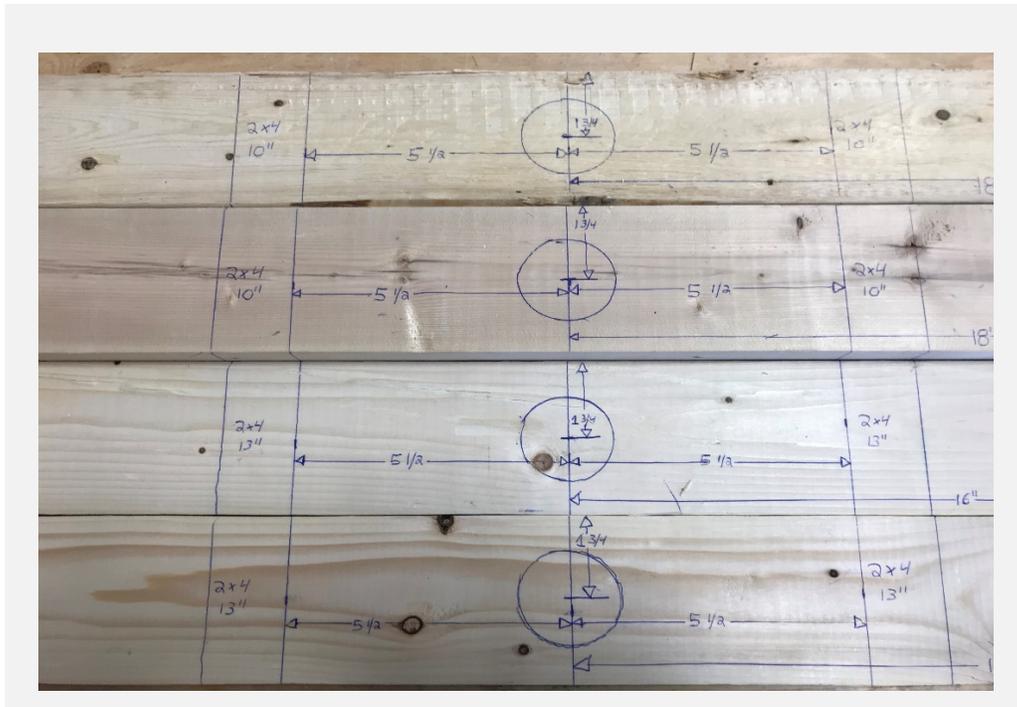
1- Dismantle the shipping pallet to recover the two-by-fours and one-by-fours.



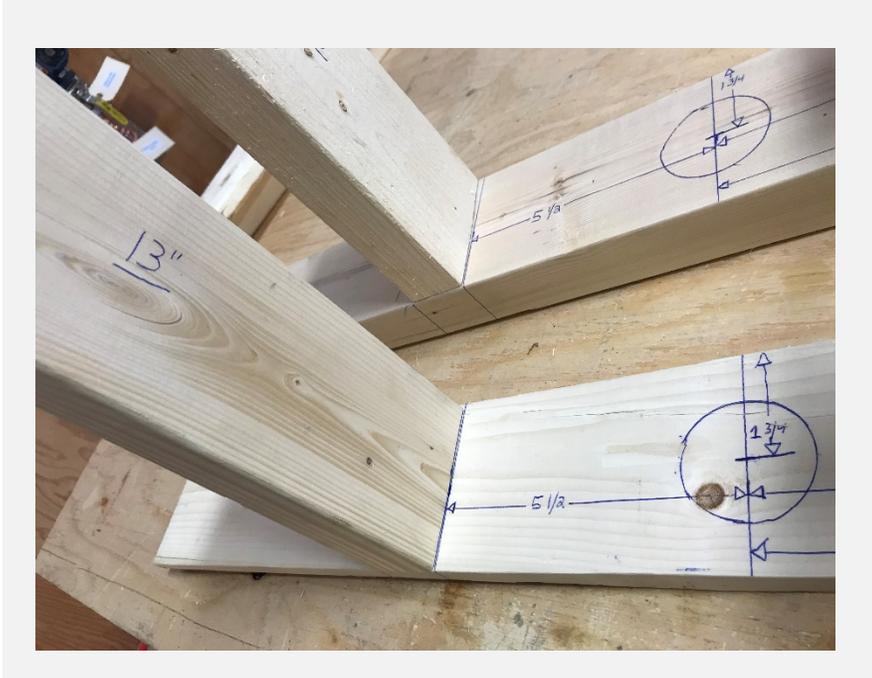
2- Cut list:

- Two pieces: two-by-four x 36 in.
- Two pieces: two-by-four x 13 in.
- Two pieces: two-by-four x 10 in.
- Two pieces: one-by-four x 32 in.

3- Mark the centres of the two 32-inch one-by-fours and the two 36-inch two-by-fours (from ends and sides). After marking the centres, drill each of the four boards with a 2-inch hole saw.



- 4- After drilling the holes, draw lines $5\frac{1}{2}$ inches from the centre of each of the four boards, on either side of the hole. These lines will serve as guides for attaching the shorter two-by-fours.
- 5- On one of the one-by-fours, screw in the 13-inch two-by-fours outside the lines marked $5\frac{1}{2}$ inches from the centre.
- 6- On one of the two-by-fours, screw in two 10-inch two-by-fours outside the lines marked $5\frac{1}{2}$ inches from the centre.



- 7- Next, lay the one-by-four on the ground with the shorter two-by-fours sticking up. Lay the two-by-four on top, with the shorter two-by-fours sticking up. Align the holes at the centre of the two pieces and arrange them in the shape of a cross. Screw the one-by-four and the two-by-four together. This piece will serve as the hub of the uncoiler.



8- Then, arrange the remaining one-by-four and two-by-four in the shape of a cross. Be sure the holes at the centre of the two boards line up. Set this piece aside.



9- Now, place the roll of tubing onto the already completed section of the uncoiler (the hub). Do not cut the straps holding the roll of tubing together.



10- After placing the roll of tubing on the hub, screw the section you had set aside onto the uncoiler, so that it holds the roll of tubing in place.

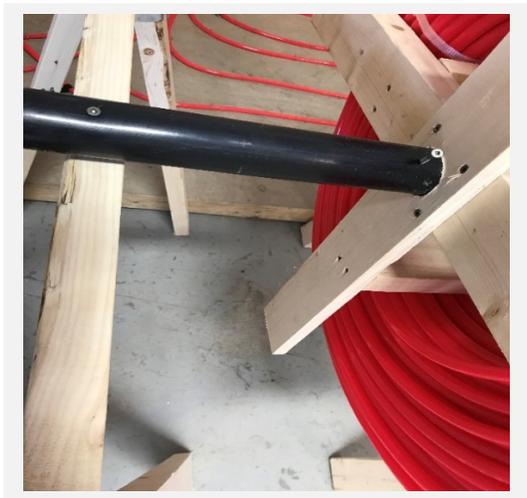
11- Insert the ABS pipe through the hole at the centre of the uncoiler.



12- With help from another person, lift the uncoiler onto a set of sawhorses or other raised surface.

13- Use screws to attach each end of the ABS pipe to the sawhorses or other raised surface.

14- Finally, after the uncoiler has been secured in place, insert screws into the ABS pipe approximately half an inch from each side of the uncoiler to prevent it from moving from side to side.



15- That's it! Your uncoiler is now ready to use!



To change the tubing roll, simply unscrew the cross-shaped piece installed in step 10 and redo steps 10 through 14.



HCW Systems ~ 1-877-687-2419
info@systemeshcw.com