

Shop Vacuum Boom Arm

By Spencley Design Co.

Difficulty

Easy

This boom arm is the perfect complement to any shop! Gone are the days of fumbling around with your shop vac hose getting caught on your workbench. Get your hose up and out of the way to dramatically increase the productivity in your shop!



Tools

Kreg Tools



[Kreg® Pocket-Hole Jig 720PRO](#)



[Zinc Pocket-Hole Screws](#)

Other Tools

Precision miter gauge

Table Saw

Impact driver

Drill

Materials

Wood Products

2 Plywood, 3/4"

Hardware & Supplies

2 Hinges

1 Box Of 1 1/4" Pocket Hole Screws (See Tools List)

Cut List & Parts

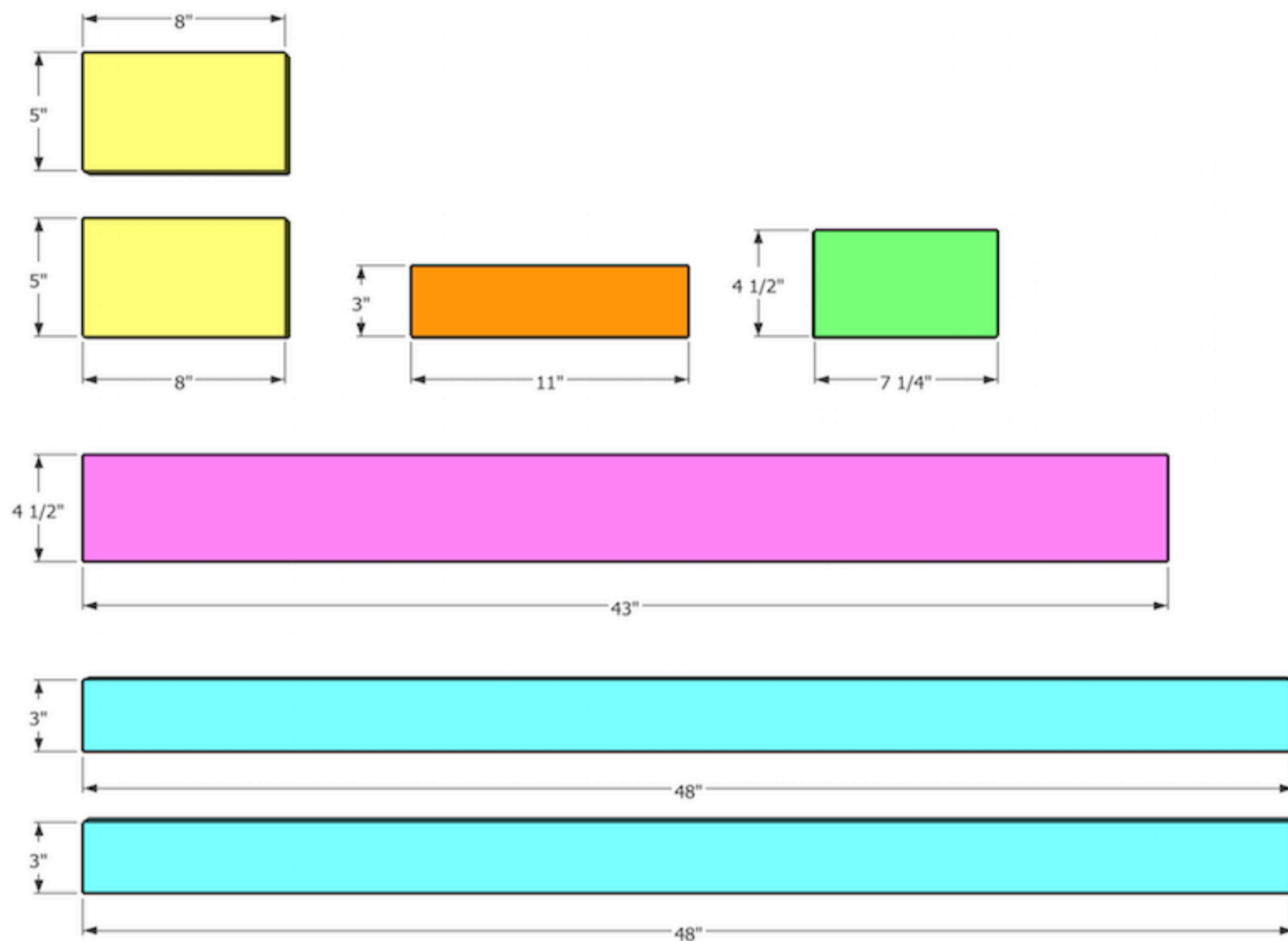
- 2 Boom Arm Sides , 3" X 48"
- 1 Boom Arm Bottom , 4 ½" X 43"
- 2 Box Sides , 5" X 8"
- 1 Box Front , 4 ½" X 7 ¼"
- 1 Box Back , 3" X 11"

Directions

1

Cut Plywood

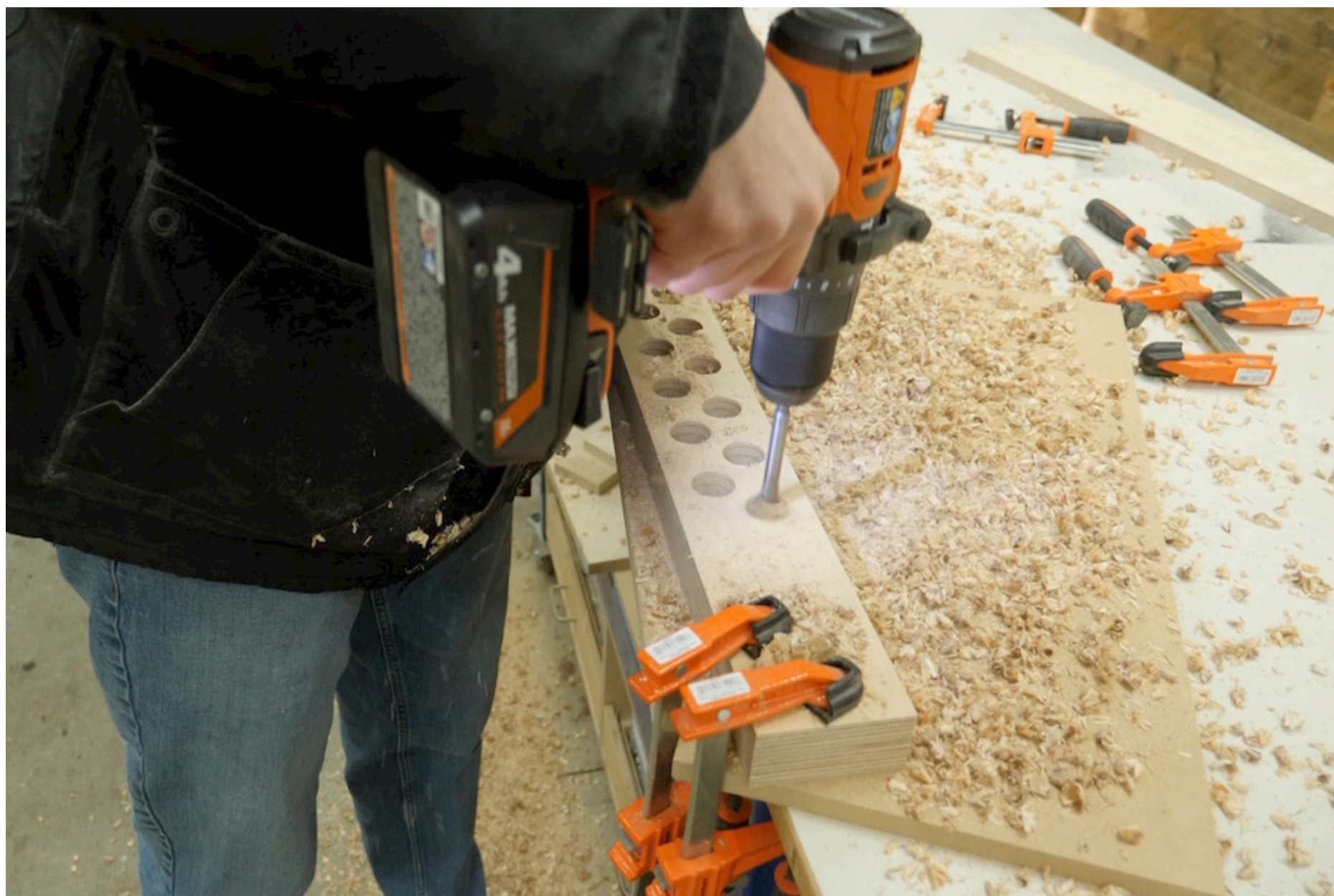
Cut all pieces according to the cut list. Note that all of the pieces on this project are made out of $\frac{3}{4}$ " plywood. Feel free to substitute thinner plywood, but $\frac{3}{4}$ " thick would be your best bet to ensure stability of the boom arm



2

Drill weight reduction holes

(OPTIONAL) To help reduce the weight, consider drilling out holes on the boom arm pieces.



3

Attach boom arm pieces

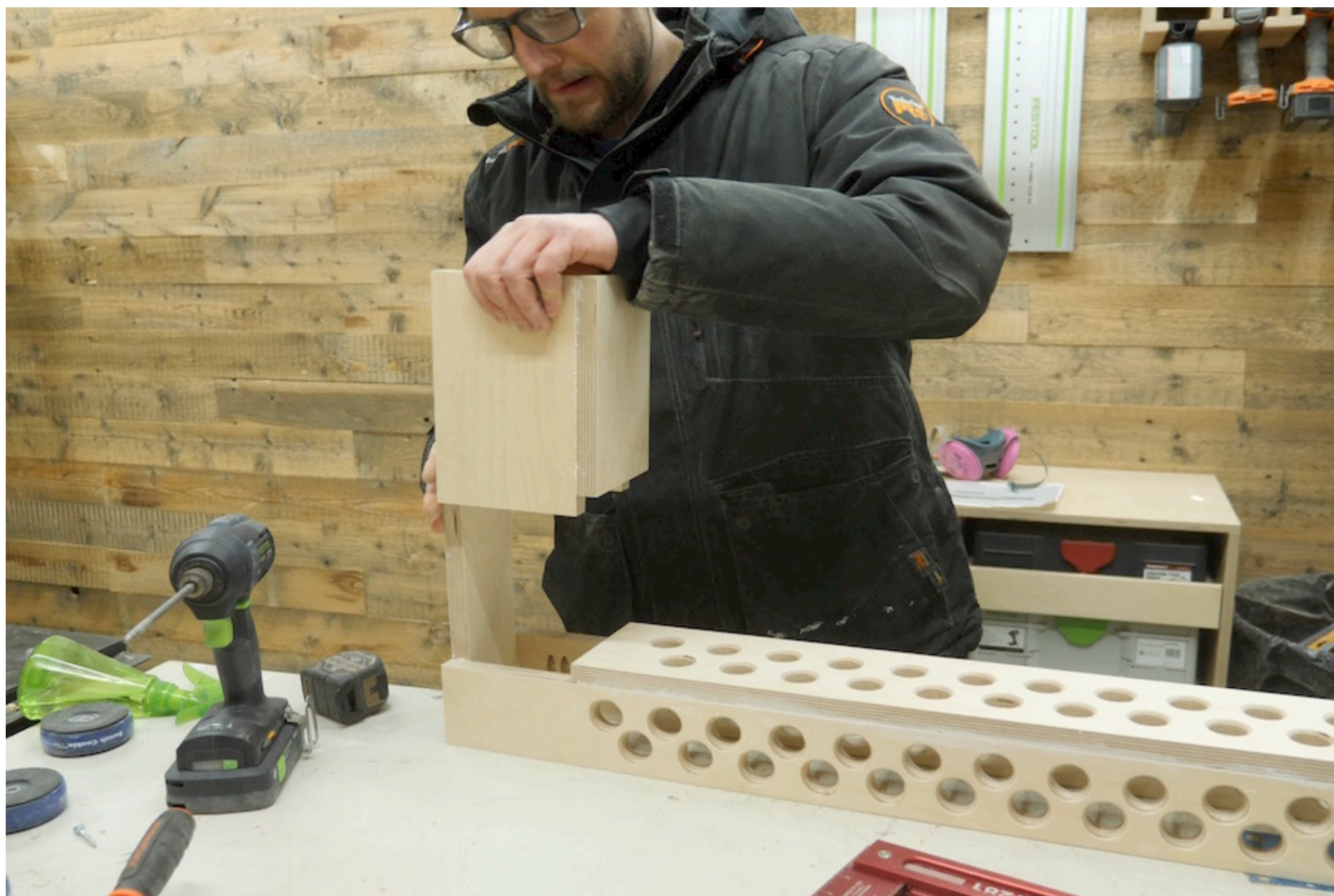
Assemble to main frame of the boom arm using pocket holes and 1 ¼" pocket hole screws



4

Build back box

Using more pocket holes and 1 ¼" pocket hole screws, build the back box frame



5

Secure back box

Secure the back box frame to the boom arm using 1 ¼" pocket hole screws



6

Secure to wall

Attach 2 hinges to the back box frame, and secure it to studs on the wall



7

Insert shop vac hose

Run your shop vac hose up through the rear of the boom arm and secure with zip ties and you are finished!

