DIY Chicken Coop Plans

By Natalie Dalpias, TheCreativeMom.com
Supplies:

- Chicken Coop Plans
- 2- 4x4 posts (120”)
- 9- 2x4’s (96”)
- 10- 2x2’s (96”)
- 4- sheets plywood siding (4’x8’)
- 1- 72” piano hinge
- 1- 30” piano hinge
- 3- sheets 1/2” OSB plywood (4’ x 8’)
- 12- 2x4 brackets (Simpson FB24Z ZMAX)
- 1- 2x8 (72”)
- 15- 1x2 (96”) for trim
- Red outdoor paint
- White outdoor paint
- Roofing of your choice
- Screws (2 1/2” should work great)
- 2- Window Bolts
- Hook for your basket

Tools Needed:

- Miter Saw
- Impact Driver
- Staple Gun
- Reciprocating Saw
- Circular Saw or Table Saw (to cut your plywood)
- Kreg Jig (optional)
- Measuring tape, pencil, eye & ear protection.

Cut List:

4x4
- 4- 50 1/2”, one end cut 30°. (measurement is on short side of angle)

2x4
- 3- 41”
- 2- 85”
- 2- 18” cut 30° on one end, and 60° on the other end, with ½” left square. (see pg 6)
- 2- 14 ½” cut 30° on one end, and 60° on the other end, with ¾” left square. (see pg 6)
- 1- 92” with 3 ½”
- 1- 32”

Plywood Siding
- 4- 96” x 5”
- 2- 46” x 23 ¾”
- 2- 45” x 23”
- 2- 46 ¼” x 48” (for front and back of coop) *see plans
- 1- 32 ½” x 16 ½”
- 2- 18” x 16 ½” (cut at 20°) with 3 ½” x 1 ½” notch *see plans

2x2
- 2- 41”
- 2- 85”
- 4- 19”
- 4- 89”
- 2- 13”
- 4- 14 ½” one end cut 30°. (on LONG side)
- 4- 14 ½” one end cut 30°. (on SHORT side)
- 4- 14 ½” one end cut 30°. (on SHORT side)
- 4- 18” one end cut 30°. (on LONG side)
- 2-16 ½”
- 1- 32”
- 2- 13”
- 2- 16” (cut at 30° parallel on both ends)

1/4” OSB Plywood
- 1- 92” x 48” with 3 ½” notches cut from each corner
- 2- 14 ½” x 96”
- 2-17 ¾” x 96”
- 1- 32 ½” x 18”
- 1- 33 ½” x 18 ½”
Instructions:

Start by cutting your 4x4's (50 1/2" on short side of angle) with a 30° angle on top. Attach your 2x4 (41") cross braces with fence brackets. After you've got your ends built, you will hook them together with 2x4 (85") stretchers, and a 2x4 (45") across the middle to support the chicken coop floor. You can just screw the middle 2x4 onto the side board with grabber screws. No bracket is needed there.

Next you will add the plywood floor. You will need to trim a bit off one end, making it 92" x 48". After it is cut to size, you will use reciprocating saw and cut 3.5" x 3.5" inch notches in the corners to fit around your 4x4 corner posts.

Now you'll add 2x2 horizontal (85" on the sides and 41" on the ends) and vertical (19") supports to the sides. We used brackets to attach our 2x4's, but we will attach our 2x2's using pocket holes. You can create pocket holes using a Kreg Jig, or you can freehand pocket holes with a drill.

We will also add 2 (19") vertical 2x2's on the front end (3" in from each side), these will support our nesting box later. (see plans below)

Remember, if you are screwing through a 2x2, you'll want to pre-drill your hole so you don't split the wood.
Next, you'll frame your upper walls, using horizontal 2x2's (89") and vertical 2x4's (13" for the center and 14 1/2" cut at 30 degrees for the ends.)

Use grabber screws to attach the upper frame to your lower frame.
Then, you'll add your 2x2 roof "trusses" (4- 18" 2x2's, 4- 14 1/2" 2x2's, 2- 14 1/2" 2x4's, and 2- 18" 2x4's).

All the angles are 30 degrees (except the bottom of the middle 2x4's- see plans), and the roof supports overhang about an inch on the bottom. See plans below for dimensions.

Simply attach your roof supports to your 4x4 posts and your vertical 2x4's with grabber screws.
Your roof "trusses" are 2x2's on each end, and a 2x4 in the middle. Since our roof pitch is 30 degrees, we will cut one end of the 2x2 boards at 30 degrees and leave the other end square.

The middle 2x4 is cut a little different, with 30 degrees on one end, and 60 degrees on the other end, with 1/2" left square. This, and the same piece for the upper roof, are the only angled cuts in the entire roof that aren't 30 degrees.

You'll basically build the same thing again on the top. 2x2's on the outer edges, and a 2x4 in the middle.

The angled pieces are connected using a pocket holes and screws. Or you could use a mending plate to keep your trusses together.
Using a reciprocating saw, you’ll cut a 3 1/2” square notch on each end of the 2x4, and screw it in place right below the floor support.

Once we have that 2x4 in place, we are all done framing (except for the nesting box), and it’s starting to look like a chicken coop!
After everything is framed, we will add our plywood siding. I cut all my plywood siding to size before I stapled it up on my coop. We are only attaching the front, back, and one side for now. We will attach the side that opens up later on.
I've included all my dimensions in these plans, but you may want to double check your plywood siding dimensions before you cut it. Remember all the angles on the roof are 30 degrees.

For our side that hinges down, we will put together 2 pieces of plywood siding (45” x 23” each) then we will frame the OUTSIDE with our 1x2 trim. The finished dimensions will be 23" x 90", which is slightly smaller than our other side. It will be smaller to allow for the side to hinge down,

Set it aside until you are ready to paint. Or, if you think ahead, you might want to paint the siding before you attach the trim to the outside.
Now you can staple on your plywood for your roof.
Nesting Box:

Your nesting box frame will be mainly 2x2's, with a 2x4 on the open edge, which is where it will attach to your chicken coop, and where you'll screw on your hinge for your nesting box roof.

All of our angles on our nesting box are all 20 degrees. (Not to be confused with all the 30 degree angles in the actual coop).
Cut the plywood siding and staple it onto your frame. Don’t forget your nesting box floor. You can use regular plywood for this, or a scrap piece if you have one. It will be 32 1/2 " x 18".

You will notice the sides of the nesting box are notched out. We will use that notch to slide the nesting box into the hole in the coop, and attach the plywood siding sides to the inside of the 2x2's we already have in place on the front wall of the coop.
Paint everything now, before you add your nesting box. You will cut a hole in the front of your coop for your nesting box to attach to the coop. I cut the hole in the plywood siding using my reciprocating saw. Once again, you'll want to double check your measurements, but my hole for the nesting box was 19" x 32 1/2".

You'll want the nesting box to rest on the floor and frame of your chicken coop. So make sure you cut your nesting box 3 3/4" inches from the bottom (3 1/2" for the 2x4, and 1/4" for the plywood floor).

Once you have your nesting box in place, screw the 2x4 on the nesting box to the chicken coop using grabber screws.

After your nesting box is securely attached to your coop, you'll add the nesting box roof, which will hinge open. The roof is regular plywood, 33 1/2" x 18 1/2". Screw your 30" piano hinge onto the edge of your roof first, then attach to your nesting box.
I also added a 2x2, with a 20 degree angled end to prop the roof open while we are gathering eggs. I screwed it on with a grabber screw that I didn’t tighten all the way, so the board had freedom to hing up and down.

Once our nesting box is complete, we can attach the side that folds down. You might need a helper to hold the side up in place while you screw the piano hinge on. Screw a couple of screws in, then hinge it up and make sure it's straight before you finish screwing in all the rest of the screws.

You’ll also need a ramp for the chickens to get into the coop. Cut a hole (about 10" x 10") in the back of the coop, 3 3/4" from the bottom.
Now you're all finished building your coop. All we have left is adding finishing touches, and trimming the coop!

I used regular 1x2's for my trim. I painted them before I cut them. I'm not going to include trim measurements, because if your trim is off by even 1/4", it makes a big difference. So just measure as you go. When you're stapling your trim on, make sure you are flush and level on the corners and edges. For the corners, I stapled one edge on, then made sure my other corner piece fit right up against it, so there wasn't any overhang.

After everything is trimmed out, we can add a few finishing touches. Like window bolts to hold the side up, and a hook to hang your basket on while collecting eggs.

You'll also need to build a ramp for the chickens to get into the coop. I used a 6 foot long 2x8, and stapled scrap pieces every 5 inches to create the ramp. Then I painted it with my white outdoor paint.

To attach your ramp to your coop, add a 1x2 under the ramp to support it, then screw a 4 inch grabber screw at an angle through the ramp, into the support pieces.

The last step is to add your roofing. I am not including roofing instructions in these plans. However, please note that in order for the nesting box roof to open, you cannot place the metal roofing all the way to the hinge. You will need to leave a gap on the roof, close to the hinge, about 2-3 inches, to allow for the roof to open. This will leave 2-3 inches of the OSB showing. I simply painted the OSB to waterproof it.
These plans were created by Natalie Dalpias, from The Creative Mom for The Home Depot.

As with all plans and printables from The Creative Mom, this is a free download, for personal use only. Please do not copy, sell, redistribute, or claim as your own. If you share these on your blog or website, or if you pin it, please be sure to link back to the original project.

If you use these plans to build a coop, I would love to see the final results, and share them on my website (with your permission). Please email photos to Nat@thecreativemom.com

DIY Chicken Coop Plans. Copyright 2017. TheCreativeMom.com (Page 16 of 16)