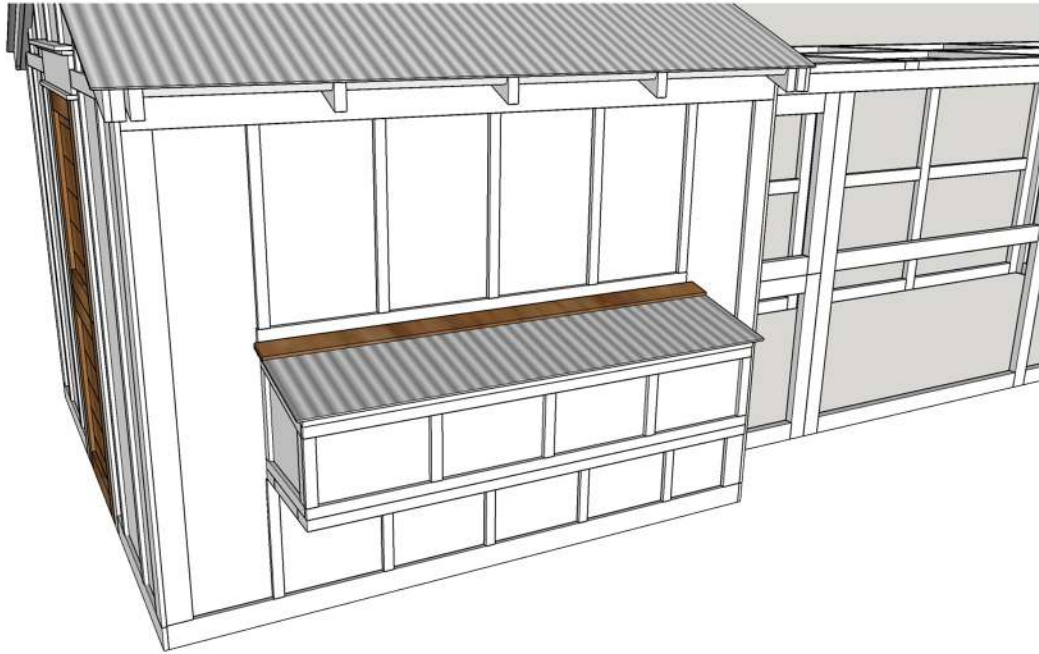


DIY Nesting Boxes for Chicken Coop



Materials:

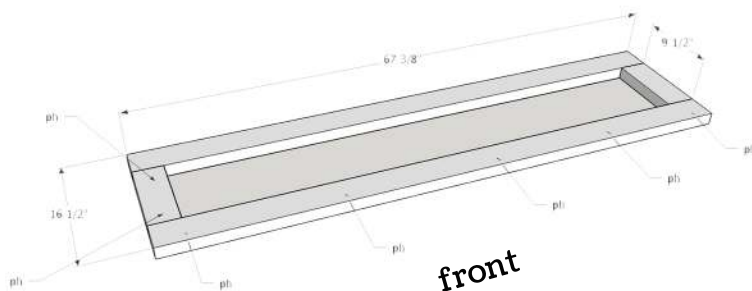
- scrap pieces of 1/2" plywood from your chicken coop build (or 1 sheet of 1/2"x4'x8' plywood if you are not building the coop from my plans)
- 4 - 2x2x8 (I used furring strips)
- 4 - 2x4x8
- 3 - 1x2x8 (I used furring strips)
- 1 - 1x4x6 cedar fence picket
- leftover steel roofing from the chicken coop
- 2 sets of 3" t-hinges
- 2 handles
- 2 latches
- brad nailer
- 1" brad nails
- 2" screws
- 3 1/8" screws
- screws with gasket for roofing
- 2 1/2" Kreg screws
- 1" Kreg screws
- Kreg Jig
- saw
- drill
- wood glue

Cut List:

- 4 - 2x4 @ 67 3/8" (bottom frame and roof frame)
- 2 - 2x4 @ 9 1/2" (bottom frame)
- 5 - 2x4 @ 9 5/32" (roof frame)
- 1 - 1/2" plywood piece @ 19 3/8" x 65 1/8" (notches cut out as shown below)(bottom)
- 2 - 1/2" plywood pieces @ 15 3/8" x 16" (cut down to 12" on opposite side - see below)(side walls)
- 2 - 2x2 @ 15 57/64" mitered at 14.6 degrees off square, ends parallel (inner sidewall frame)
- 2 - 2x2 @ 12 29/64" mitered at 14.6 degrees off square on one end (inner sidewall frame)
- 2 - 2x2 @ 15 3/8" (inner sidewall frame)
- 2 - 2x2 @ 8 27/32" mitered 14.6 degrees off square on one end (inner sidewall frame)
- 2 - 2x2 @ 62 1/8" (top front and back frame)
- 4 - 2x2 @ 9 61/64" (back divider frame)
- 4 - 1/2" plywood pieces @ 12 3/8" x 13 39/64" (angled down to 9 61/64" on opposite end) (dividers)
- 1 - 1/2" piece of plywood @ 66 1/8" x 12" (back plywood)
- 4 - 2x2 @ 13 39/64" (front divider frame)
- 2 - 1x2 @ 16 3/8" mitered at 14.6 degrees off square, ends parallel (top side trim)
- 2 - 1x2 @ 15 7/8" (bottom side trim)
- 2 - 1x2 @ 12 61/64" mitered on one end at 14.6 degrees off square (front side trim)
- 2 - 1x2 @ 9 21/64" mitered on one end at 14.6 degrees off square (back side trim)
- 2 - 1x2 @ 67 3/8" (back horizontal trim)
- 5 - 1x2 @ 9" (back vertical trim)

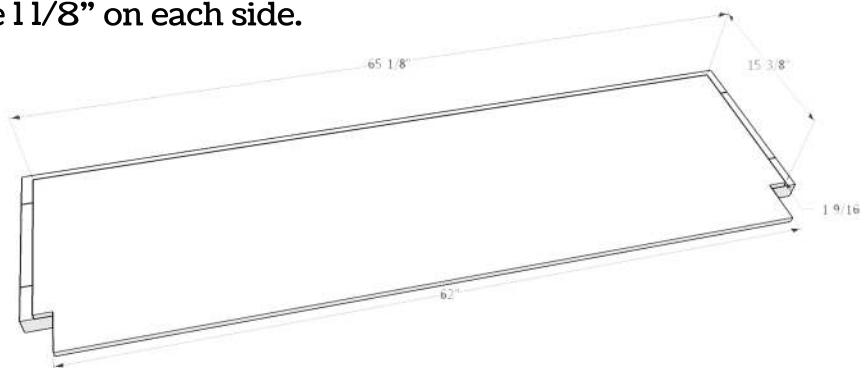
Step 1:

Build a base frame out of 2x4s to support the nesting box. Pocket holes will be drilled at 1 1/2" deep and will use 2 1/2" Kreg screws to attach. Letters ph denotes the place to drill pocket holes. You will want to drill pocket holes along the 2x4 that will connect to the chicken coop. The holes will be drilled into the 2x4 pointing towards the coop wall..if that makes sense! When I refer to the 'front' I am meaning the part that is closest to the coop.



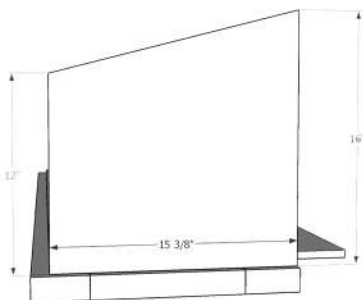
Step 2:

Cut the plywood to cover the 2x4s that will create a flat surface inside the nesting boxes. Screw the plywood down to the frame using 2" screws and wood glue. The lip sticking out over the frame below is 4". Leave 1 1/8" on each side.



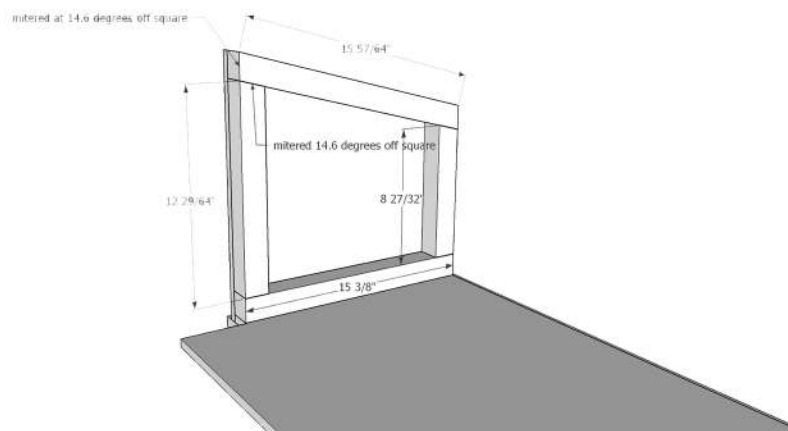
Step 3:

Cut the sidewalls. You will cut two.

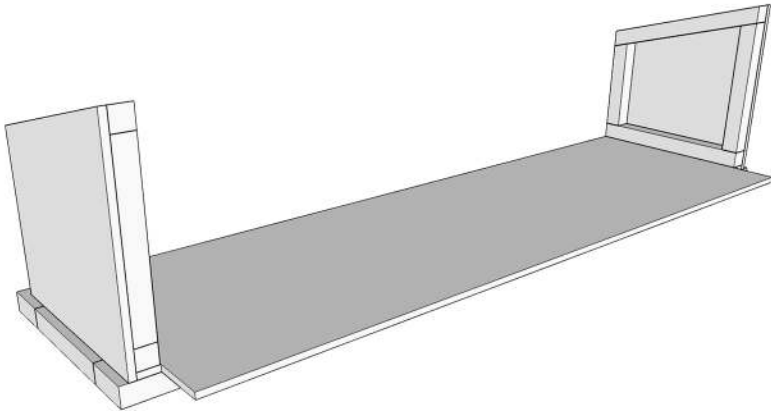


Step 4:

Add the inner sidewall frame boards (2x2s) to the sidewalls. You will screw the sidewall to the frame boards using 2" screws, once you have attached the sidewall frames, that will give you something to attach the sidewall to the bottom with. Screw through the 2x2s with 3 1/8" screws.

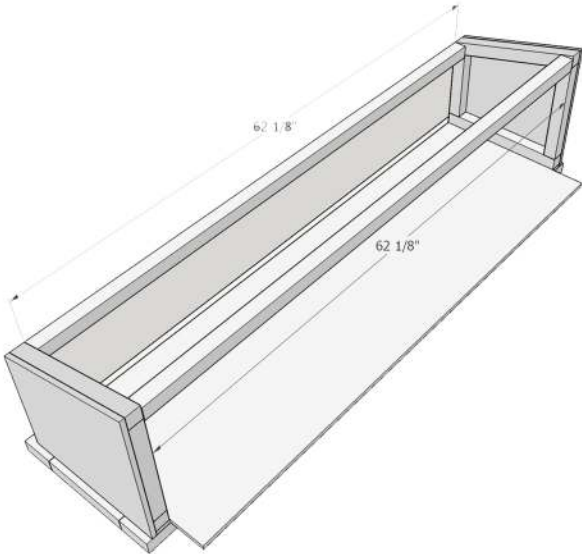


Step 4 (cont)



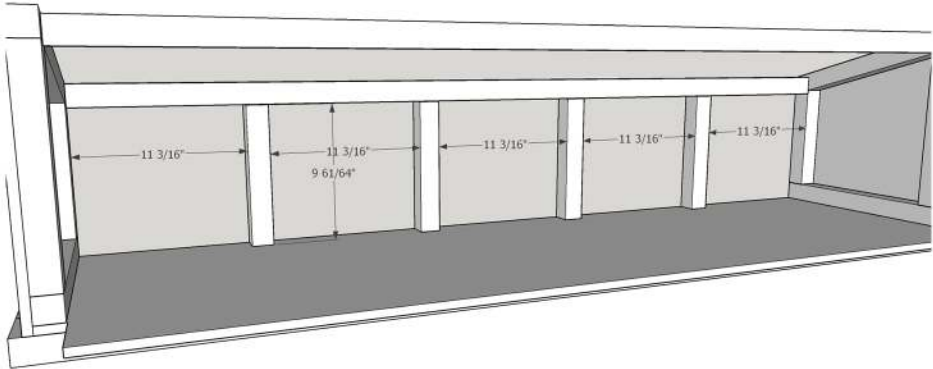
Step 5:

Add the front and back frame boards. They will be pocket holed on both ends, 1 1/2" pocket holes with 2 1/2" screws. Make sure and use wood glue.



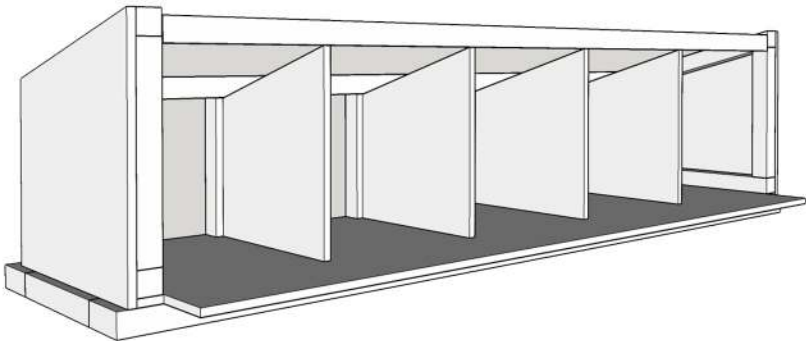
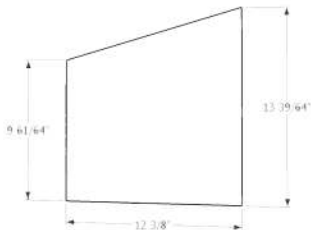
Step 6:

Add back divider frame boards. They are pocket holed on one end only, the end that attaches to the bottom. The top can be screwed through from the top of the 2x2. because you can't get the drill in to use po
od.



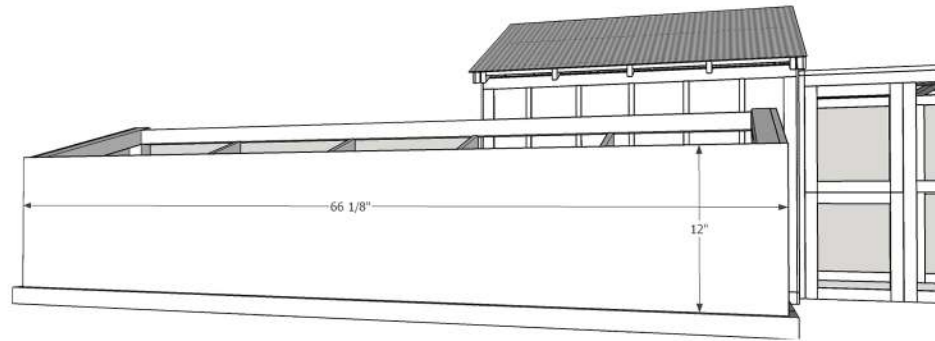
Step 7:

Cut the middle dividers. Pocket hole them at a depth of 1/2" and use 1" screws to attach. See post for pocket hole placement. You will cut 4 of these.



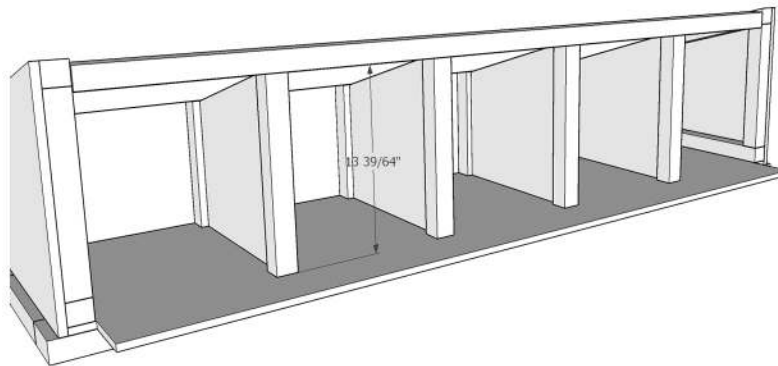
Step 8:

Attach back plywood. Use 2" screws and wood glue to attach.



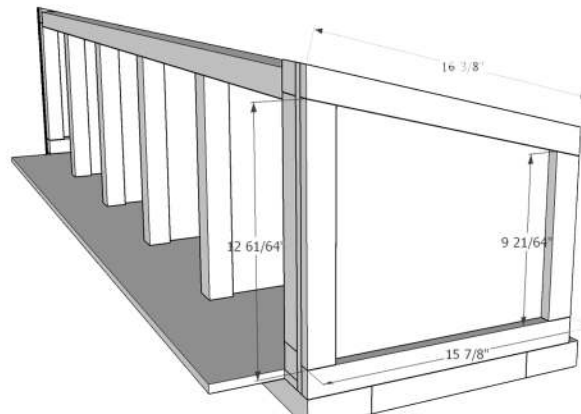
Step 9:

Attach the front divider frames (2x2s). They will be the same as the back, pocket holed at the bottom, and screwed from the top on the top.



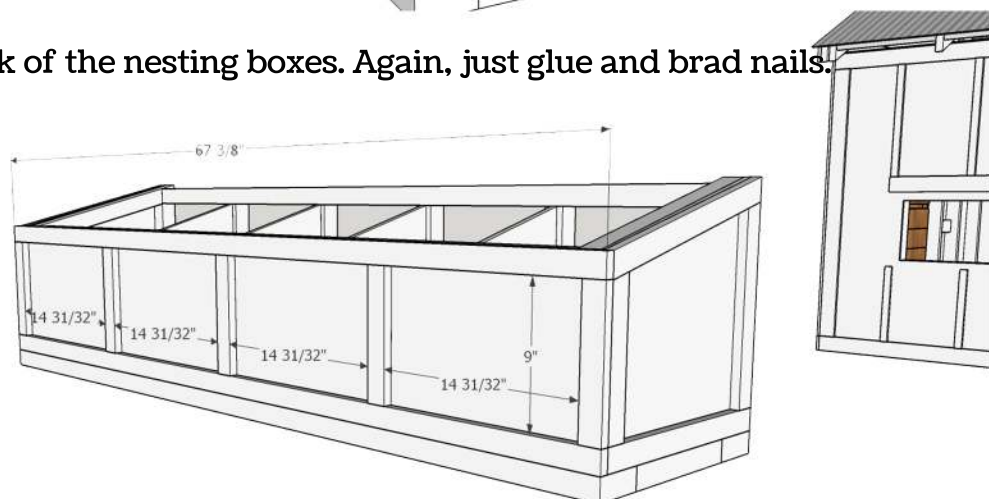
Step 10:

Add the trim work on the sides. It is just glued and brad nailed on.



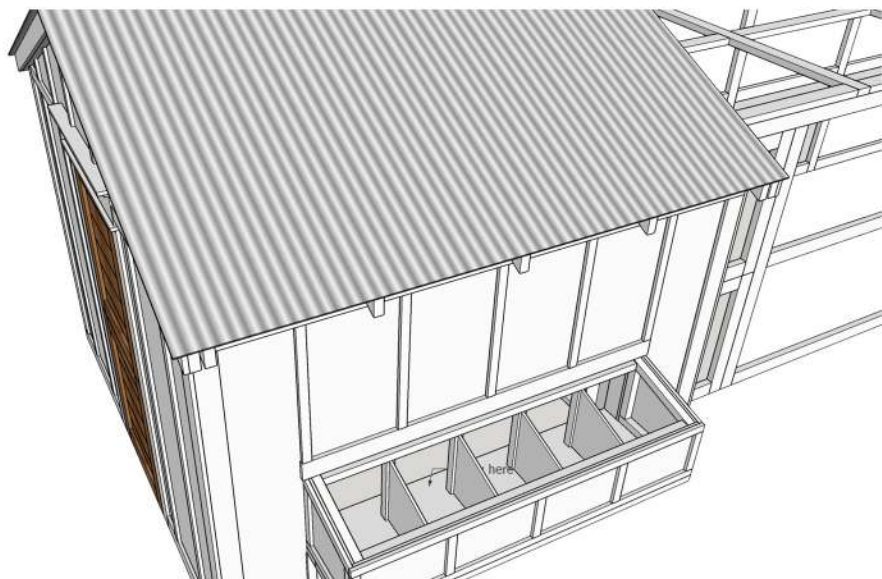
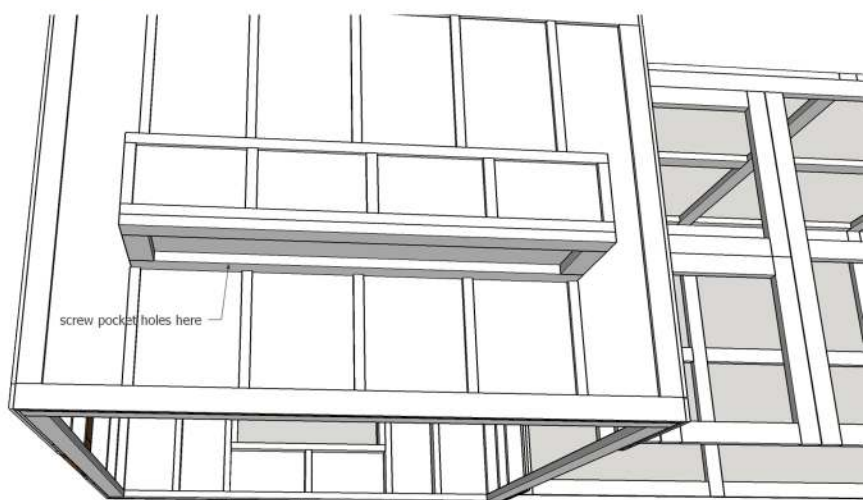
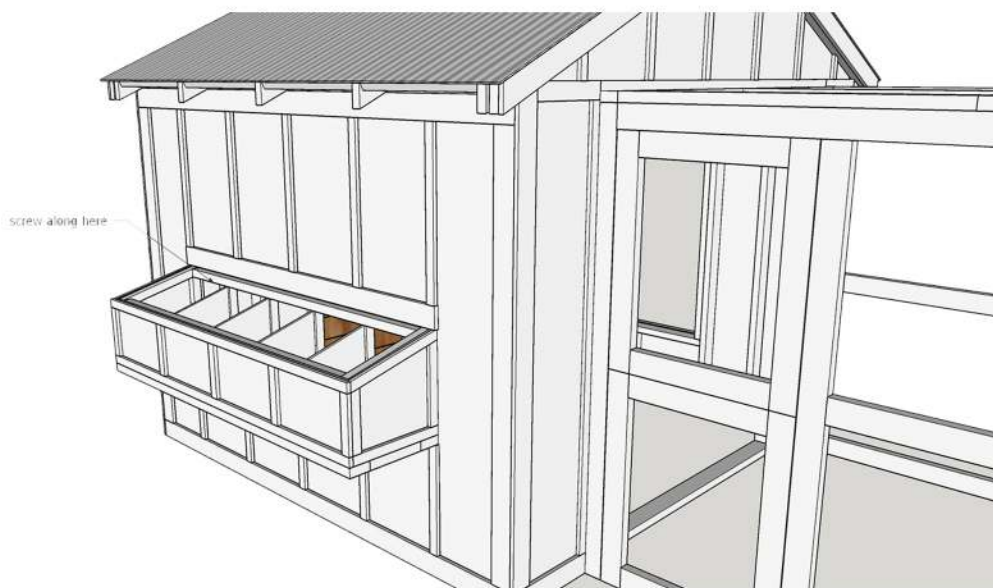
Step 11:

Add the trim to the back of the nesting boxes. Again, just glue and brad nails.



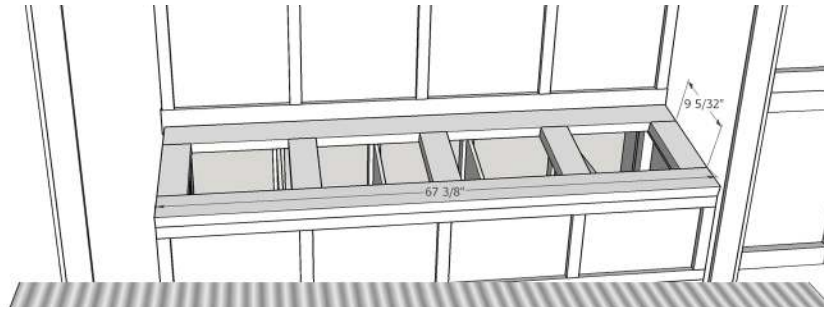
Step 12:

Attach the nesting boxes to the coop at this point. You will use the pocket holes underneath the nesting boxes to attach, along with screwing through the 2x2 front frame, and screwing the overhang of plywood down to the wall frame.



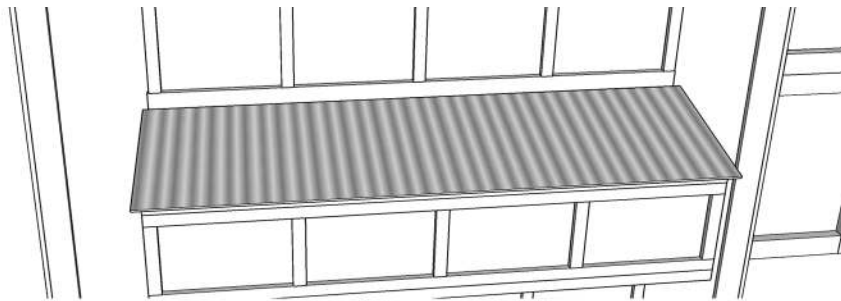
Step 13:

Build the roof frame. I added 3 supports across the middle, but you do not have to add them. I thought I was going to need them to attach the roof panels, but the top and bottom frame boards were the only places I ended up attaching it. The letters ph are for pocket hole location, and all $9\frac{5}{32}$ " boards will need to be pocket holed. Holes drilled at $1\frac{1}{2}$ " and $2\frac{1}{2}$ " screws along with wood glue to attach.



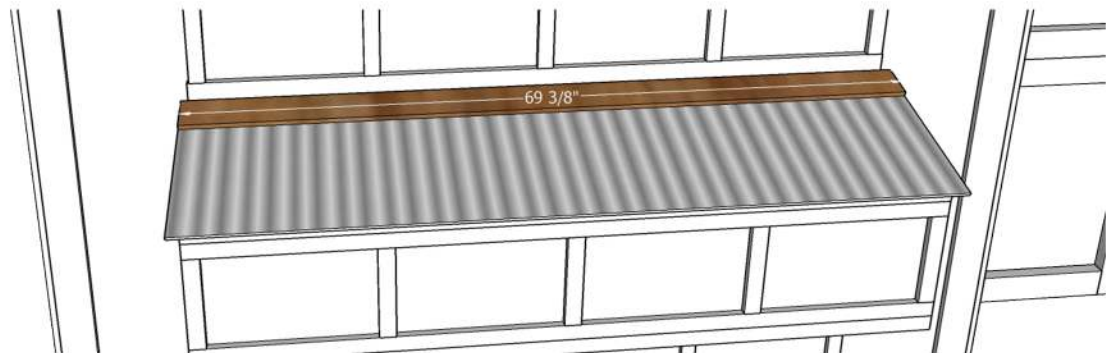
Step 14:

Attach the steel roofing panels to the nesting box. I used 2 of the leftovers from the chicken coop roof. It gives a slight hangover on the edges which is perfect! Use the screws with gaskets which are made for the roofing panels.



Step 15:

Attach the 1x4 cedar fence picket to the top edge so that you have a flat surface to attach your hinges to. I used longer roofing panel screws to attach the cedar board.



Attach the hinges and you have yourself a working set of nesting boxes! See the post for anything that you may need clarification on!

<https://theinspiredworkshop.com/diy-nesting-boxes-for-chicken-coop/>