Fluffy Butt Hut – Hen House Plans Directions

Hen House – Materials List

Tools
Circular Saw – Ryobi 18-Volt ONE+
Oscillating Cutter – Ryobi 18-Volt ONE+ JobPlus
Nailer – Ryobi 18-Volt ONE+ AirStrike 16-Gauge Straight Finish Nailer
Drill – Ryobi 18-Volt ONE+ Cordless Drill/Driver
Impact Drill - Ryobi 18-Volt ONE+ Impact Driver
Hammer
Phillips Screwdriver
Wire Cutters
Needle Nose Pliers
Staple Gun
2.5" - Drill Bit for Wood (often called a Hole Dozer or Hole Saw)
Paint Bush
Caulking Gun

Hardware
1½"- 16 gauge Finishing Nails (for the nailer)
2½" - Coated Sinker Nails
1 - Arrow T25 Staples, box of 1000
4 - Large Mending Plate – Simpson Strong Tie 2"x4"
22 - Framing Angles – Simpson Strong Tie 18-Gauge
Wood Screws
18 – 1½" Black Screws for Signage (will vary depending on how many hen name plates you need) – Optional
2 - Medium Eye Bolts for Swing - Optional
1 - 5' Nylon Rope, White for Swing - Optional
1 - Gate Latch with Screws, Black – Everbilt 5" Heavy Duty Gate Slide Bolt Latch
1 - Knob with Screws, Black – Everbilt Black Heavy-Duty Gate Knob
1 - Hook & Eye, Black – Everbilt 2½" Black Hook & Eye
2 - Large Hinges with Screws, Black – Everbilt 6" Decorative Hammered Tee Hinge
2'x12½' - ¾" - Hardware Cloth pieces (cut into 3 – 2'x4' pieces – the extra ½" is to cover the vent holes)

Lumber
2 – 4"x4"x8' Pressure Treated Beams – cut into 4 – 3' lengths
27 – 2"x4"x8' Boards
15 – 1"x2"x8' Boards
3 – 1"x3"x8' Boards
6 – ¾"x4'x8' Plywood (you'll need a 10"x4' piece of this for the ramp)
1 – 1¼"x8' L Trim
1 – 1"x2' L Trim

Roofing
2 – 2½”x4’10” Roofing Paper
1 - Bundle Roofing Tiles – Owens Corning, Oakridge Sierra Gray Laminate Architectural Shingles

Paint
1 - Gal Behr Exterior Paint & Primer, Nano White
1 - Sample Size (8 oz) Behr Exterior Paint, Black
1 - Can Rust-Oleum Semi-Gloss Spray Paint, Black

Additional Supplies
2 - Tubes Caulk, White – DAP Premium Indoor/Outdoor Sealant
2” - Painters Tape
Drop Cloth

Step 1 – *Build the base*

1. Cut ¾” plywood to 4’x4’ square. You need 1.
2. Cut 4”x4” beams to 3’ lengths. You will need 4.
3. Cut 2”x4” boards to 41” length. You will need 9.
4. Using wood screws, attach 4”x4”x3’ beams to the four corners of the plywood.
5. Attach 2”x4”X41” boards in between beams on all four sides to stabilize them using wood screws. Be sure they are pushed up against the underneath of the plywood (Fig. 2).
6. Attach two of the 2”x4”x41” boards evenly spaced on underside of base for weight stability using wood screws (Fig. 1).
7. Put base in place, sinking the 4 corner beams down 12” into the ground.
8. Attach the remaining two 2”x4”x41” boards between the corner beams at ground level.

Fig. 1 – Base underside

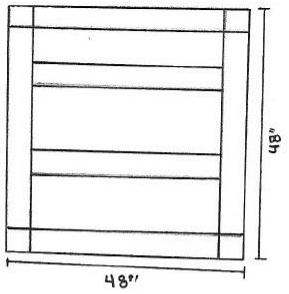
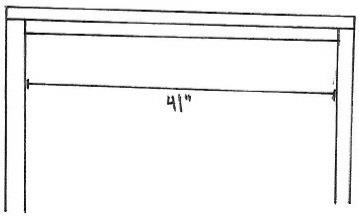


Fig. 2 – Base side view



Step 2 – *Assemble the 4 side frames*

1. Following the attached pattern, assemble the 4 side frames with a hammer and nails.
   Sides A (Front – Chicken Door) and C (Back – Nesting Boxes) measure finished 4'x4'
   Sides B (Side – People Door) and D (Back Side) measure finished 41" wide x 4' tall.
2. Attach sides A & C to the base first using nails. After they are securely in place, attach sides B & D to the base using nails.

Fig. 3 – Side A

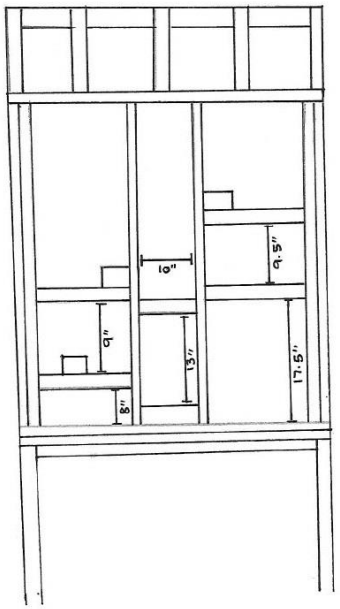


Fig. 4 – Side B

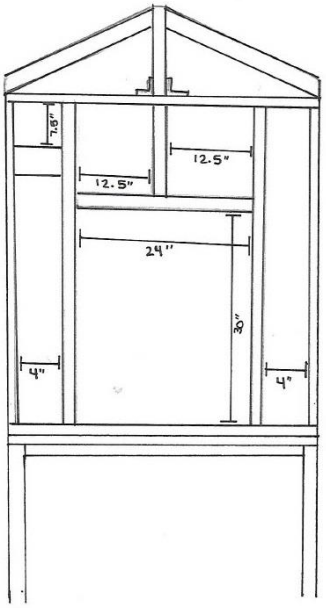


Fig. 5 – Side C

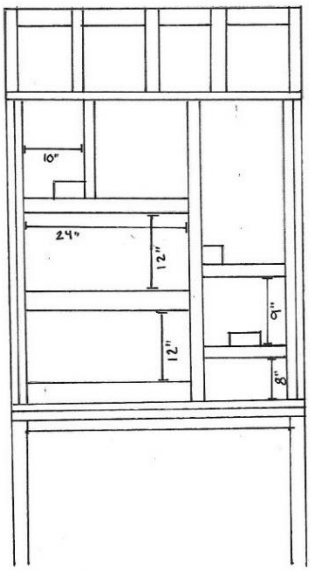
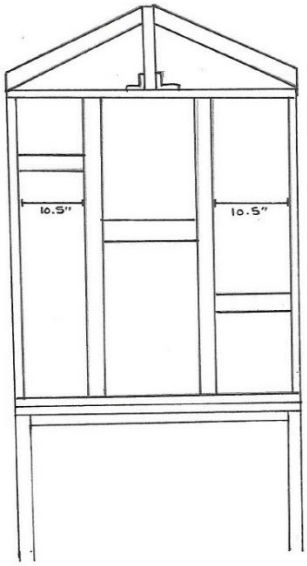


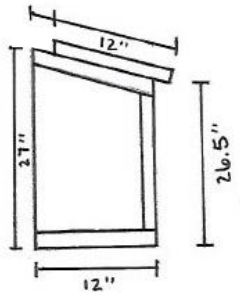
Fig. 6 – Side D



Step 3 – *Assemble & Attach Nesting Boxes*

1. Cut ¾" plywood to 24½"x26½" for the back wall of the nesting boxes. You will need 1.
2. Cut ¾" plywood to 12"wide with one side 27" long and the other side 26½" long for the sides. You will need 2. (This is obviously not a rectangle. The ½" drop is for the sloped roof.)
3. Cut ¾" plywood to 24"x12" for the bottoms. You will need 2.
4. Cut ¾" plywood to 27"x12" for the roof. You will need 1.
5. Cut ¾" plywood to 12"x12" for the center dividers. You will need 2. You can angle them on the front if you want but it isn't necessary.
6. Following the attached pattern, assemble the nesting boxes using the 16-gauge nailer. (We used a piece of 1"x1" inside the bottom of the boxes on the sides to help attach the side walls and dividers.)
7. Attach the completed nesting boxes to side C in the open space using the 16-gauge nailer.
8. Cut the 1" L trim to 24" length. You will need 2.
9. Attach the trim inside the hen house to the front edge of the nesting boxes (roosting area) using the 16-gauge nailer.

Fig. 7 – Nesting Boxes
exterior side view



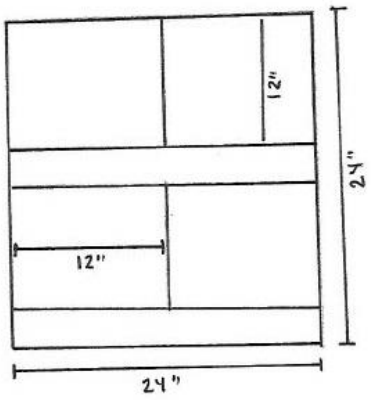


Fig. 8 – Nesting Boxes
interior view

Step 4 – *Assemble the Roof*

1. Cut 2”x4” board to 4’ length. You will need 1.
2. Cut 2”x4” board to 6“length. You will need 2.
3. Cut 2”x4” boards to 24“length. You will need 10. (you will need to angle both ends)
4. Using the 4 L braces on both sides, attached the 6“length boards in the center on the tops of sides B & C. These will form the center support beams for the roof.
5. Using the 4 Large Mending Plates on both sides, attach the 4’ length board on top of the 2 center support beams. This will form your center roof brace.
6. Using the framing angles, attach the 24“length boards to the center roof brace, and to the top of sides A & D, forming the roof spines. Be sure to put two in the center (one on either side), two on each end (one on either side), and evenly space the remaining 4 (two on each side).

Step 5 – *Attach outer walls*

1. Cut ¾” Plywood 4’x4’. You will need 4.
2. Starting with sides A & C, attach the plywood 4’x4’ pieces to outside wall framing with the 16-gauge nailer. Be sure to line it up all the way at the top. The plywood should cover the ends of the roof spines. There should not be any space for a gap at the top on these two sides. There will be an open space of a couple inches at the bottom which will be covered later.
3. Next, attach the 4’x4’ pieces of plywood to the outsides of sides B & D using the 16-gauge nailer. Be sure to line the tops up evenly with the plywood on sides A & C. There should be an even gap at the bottom all the way around the hen house.
4. Cut ¾” Plywood in a triangle for the tops of sides B & D. The triangles should be 8“tall in the middle, and 4’ long across the bottom. You will need 2.
5. Attach the triangle pieces to the outside wall framing at the top of sides B & D using the 16-guage nailer.
6. Cut 1”x3” boards to 49½” length. You will need 2.
7. Cut 1”x3” board to 51” length. You will need 1.
8. Cut 1”x3” board to 13½“length. You will need 2.
9. Attach the 49½” length boards to the bottom of sides A & C using the 16-gauge nailer. This will close the gap below the plywood panels.
10. Attach the 51” length board to the bottom of side D using the 16-gauge nailer. This will close the gap below the plywood panel.
11. Attach the 13½” length boards to the bottom of side B on either side of the people door opening using the 16-gauge nailer. This will close the gap below the plywood panel.

Step 6 – *Cover the Roof*

1. Cut ¾” plywood 29”x56½”. You will need 2.
2. Attach them to the top of the roof framing using the 16-gauge nailer so they are touching in the center at the peak. Be sure to nail the roof on to the roof spines inside. They should overhang on all four sides.

Step 7 – *Attach the Board & Batten Trim (exterior)*

1. Cut 1”x2” boards to 49½” length. You will need 2.
2. Attach them to the top of the walls on sides A & C using the 16-gauge nailer. Be sure to push them up so they’re touching the underneath of the roof overhang.
3. Cut 1”x2” boards to 51“length. You will need 2.
4. Attach them to the top of the walls on sides B & D using the 16-gauge nailer. Be sure to push them up so they’re touching the underneath of the roof overhang
5. Cut 1”x2” boards to 26“length. You will need 4.
6. Attach two of them to side C, down either side of the nesting boxes using the 16-gauge nailer.
7. Cut 1”x2” boards to 10“length. You will need 2.
8. Attach them to the top of either side of the nesting box using the 16-gauge nailer. Be sure to push the top on up underneath the roof overhang of the nesting boxes. You may need to angle the ends.
9. Cut 1”x2” boards to 9½“length. You will need 2.
10. Attach them to the bottom of either side of the nesting box using the 16-gauge nailer. The bottom piece should be even with the bottom of the nesting boxes.
11. Attach the remaining two 26” length 1”x2” boards along the top and bottom of the back of the nesting boxes using the 16-gauge nailer. Be sure to push the top up underneath the roof overhang of the nesting boxes. The bottom piece should be even with the bottom of the nesting boxes.
12. Cut 1¼” L trim to 23½” length. You will need 2.
13. Attach them to the exterior corners of the nesting boxes using the 16-gauge nailer.
14. Cut 1”x2” boards to 46¼“length. You will need 16.
15. Cut 1”x2” boards to 16¾“length (for side B). You will need 1.
16. Cut 1”x2” boards to 29½“length (for side A). You will need 1.
17. Cut 1”x2” boards to 19¼“length (for side C). You will need 2.
18. Attach them to the walls on all 4 sides using the 16-gauge nailer. Start with the 46¼” length on the corners, lining them up to be flush with the side.
19. Next attach the center board using the 16-gauge nailer on each side according to the plans.
20. Finally attach the remaining boards on each side using the 16-gauge nailer, evenly spacing them according to the plans.

Fig. 9 – Side A exterior

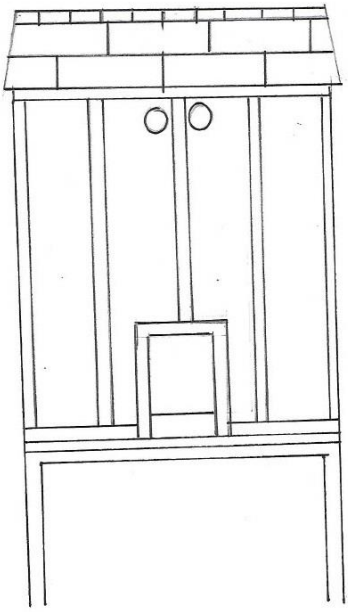


Fig. 10 – Side B exterior

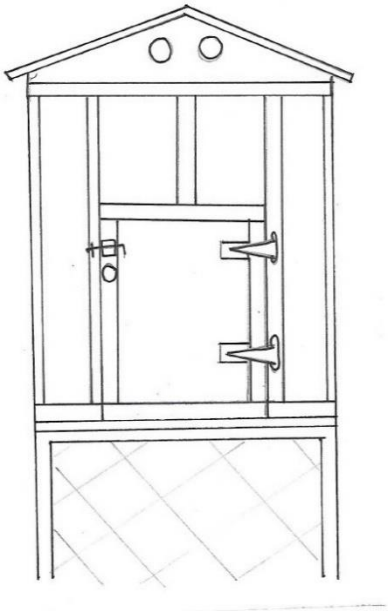


Fig. 11 – Side C exterior

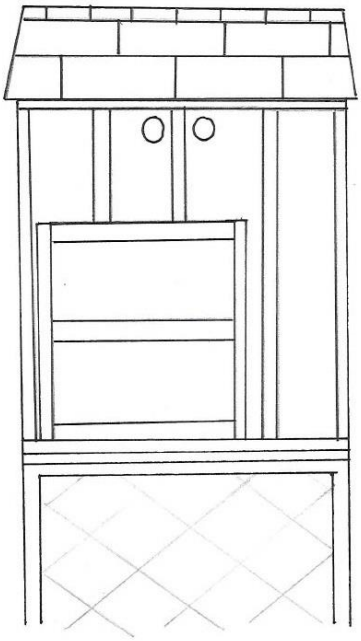
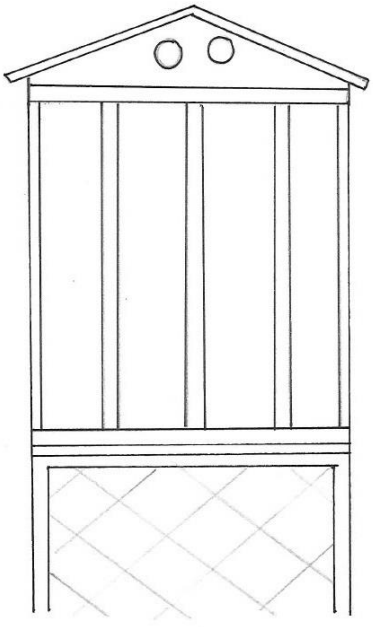


Fig. 12 – Side D exterior



Step 8 – *Assemble the Doors*

1. Cut ¾" plywood 23¾"x30" for the people door. You will need 1.
2. Cut 1"x3" board to 23¾"length. You will need 2.
3. Cut 1"x3" board to 27"length. You will need 2.
4. Cut 1"x3" board to 3¾"length. You will need 2.
5. Assemble the people door according to plans using 16-gauge nailer.
6. Cut ¾" plywood 12½"x18" for the chicken door. You will need 1.
7. Cut 1 ¼"L trim to 25" length for bottom of chicken door track. You will need 1.
8. Cut 1" L trim to 17" length for side edge of chicken door track. You will need 1.
9. Cut 1" L trim to 10"length for top edge of chicken door track above the chicken door opening. You will need 1.
10. Cut 1" L trim to 13¾"length for top edge of chicken door track to the left of chicken door opening. You will need 1.
11. Attach the bottom track using 16-gauge nailer or small wood screws (be sure they're countersunk so the door slides smoothly).
12. Attach the end track to the side of the door jam (the would be the right side if you are inside the coop looking out) using 16-gauge nailer.
13. Paint chicken door prior to installation (see step 12). Put the chicken door into the track in the closed position. Attach the top track pieces above the door opening and to the left side of the track using 16-gauge nailer.
14. Attach the hook and eye to the left side of the chicken door in the closed position.

Step 9 – *Cut the Vent Holes*

1. Using a 2½" Hole Dozer bit, drill 2 air vents into each side according to the plans. Remember to check the location of the interior framing before drilling.

Step 10 – *Ramp*

1. Cut ¾" plywood 10"x48" for ramp. You will need 1.
2. Cut 1"x1" to 10" lengths for rungs. You will need 8.
3. Attach rungs to ramp using 16-gauge nailer, starting even with the bottom of the ramp, leaving 4½" space between each rung.
4. Attach ramp to ledge at chicken door.

Step 11 – *Swing (Optional)*

1. Cut 1”x3” board to 18” length. You will need 1
2. Drill 2 holes in each end of the swing approximately 1½” from each end and ¾” from either side.
3. Paint swing prior to installation (see step 12). To install the swing, cut the rope in 2 pieces approximately 32“long. Screw the eye bolt into the underside of the coop approximately 12“ apart to one of the cross beams. Thread one piece of the rope through each eye bolt. On each piece of rope, tie the two pieces together approximately 12½“down from the eye bolt. Thread the 2 ends through the holes on one end of the swing and tie a knot in the bottom. Be sure the swing is suspended at least 2” off the ground. Repeat for the other end.

Step 12 – *Caulk & Paint*

1. Caulk all exterior seams on Batten Board trim.
2. Caulk interior seams around the floor of both the hen house and the nesting boxes.
3. Let caulking dry overnight.
4. Using Nano White, paint the interior floor of the hen house and nesting boxes, going up about 2” on the sides. Apply 2 coats
5. Using Nano White, paint the exterior of the hen house. Completely cover it to seal all sides and the roof (underneath is optional). Apply 2 or 3 coats.
6. Using Nano White, paint the swing.
7. Using black paint, paint trim edge of the roof line, the trim around the chicken door, and the edge of the swing. Paint the chicken door black
8. Using the black paint, stencil the chicken foot prints onto the swing (optional).
9. Using Nano White, stencil the chicken butt and wording onto the chicken door (optional).

Step 13 – *Attach the People Door*

1. Attach the people door to side B following attached plans.

Step 14 – *Finish Roofing*

1. Cover roof with roofing paper and attach with staple gun.
2. Attach roofing tiles with 16-gauge nailer by beginning with the row at the outer edge. Layer each row, staggering as you go up the roof towards the peak. It will take approximately 5 rows.
3. Repeat for nesting box roof. It will take approximately 2 rows.
4. Finish roof cap by layering remaining pieces sideways, across the roof peak. Attach with 16-gauge nailer.

Step 15 – *Cover Vents & Screened Bottom*

1. Cut Hardware Cloth to 2'x4' pieces. You will need 2.
2. Cut Hardware Cloth to 3"x3" pieces. You will need 8.
3. Paint one side of all Hardware Cloth pieces with black spray paint.
4. Using staple gun, attach 2'x4' pieces to the bottoms of sides B, C, & D to evenly cover the openings.
5. Using staple gun, attach 3"x3" pieces to cover the vents, on the inside of the coop.

Step 16 – *Signs (Optional)*

1. Fluffy Butt Hut Sign is made from ¾" plywood and measures 30"x5". I painted it in Nano White and trimmed the edges with black. I did the wording "The Fluffy Butt Hut" by hand in black.
2. Rotten Egg Sign is made from ¾" plywood and measures 12¼"x3½". I painted it in Nano White and trimmed the edges with black. I did the wording "Last one in is a rotten egg" by hand in black.
3. The Girls signs are made from ¾" plywood and measure 7½"x2½". I painted them in Nano White and trimmed the edges with black. I did the wording "The Girls" by hand in black. I also did their individual names by hand in black.
4. Use the 1½" black screws to attach them.

Fluffy Butt Hut – Chicken Run Plans Directions

Chicken Run – Materials List

Tools
Circular Saw – Ryobi 18-Volt ONE+
Oscillating Cutter – Ryobi 18-Volt ONE+ JobPlus
Nailer – Ryobi 18-Volt ONE+ AirStrike 16-Gauge Straight Finish Nailer
Drill – Ryobi 18-Volt ONE+ Cordless Drill/Driver
Impact Drill - Ryobi 18-Volt ONE+ Impact Driver
Hammer
Phillips Screwdriver
Wire Cutters
Needle Nose Pliers
Staple Gun

Hardware
1½" - 16 gauge Finishing Nails (for the nailer)
2½" - Coated Sinker Nails
1 - Arrow T25 Staples, box of 1000
8 – Small Mending Plate – Simpson Strong Tie 1"x4"
8 – Corner Brace 3"
4 - Small Wood Screws for Signage - Optional
1 - Handle with Screws, Black – Everbilt 4 7/8" Black Light Duty Door Pull
1 - Hook & Eye, Black – Everbilt 2½" Black Hook & Eye
1 – 10 lbs. Magnetic Latch (for gate door)
3 - Medium Hinges with Screws, Black – Everbilt 3" Black Tee Surface Mount Hinge
3'x25' - ¼" - Hardware Cloth pieces - cut into the following pieces
- 2 – 3'x58" – Front
- 1 – 20"x62" – Gate Door
- 2 – 3'x66" – Side
- 2 – 3'x85" – Back
- 1 – 14"x67" – Small Side (Attached to Hen House)

Lumber
15 – 2"x4"x6' Boards
6 – 2"x4"x8' Boards
4 – 1"x4"x6' Boards
2 – 2"x2"x8' Boards

Roofing
3 – 8'x26" PVC Corrugated Roofing – Suntop Polycarbonate Corrugated Roofing in Castle Grey
16 – Plastic Corrugated Roofing Tracks – Suntuf 24" Horizontal Plastic Closure Strips
Woodtite 1" Fasteners (Corrugated Roofing Screws)

Paint
1 - Gal Behr Exterior Paint & Primer, Nano White
1 - Sample Size (8 oz) Behr Exterior Paint, Black
6 - 7 Cans Rust-Oleum Semi-Gloss Spray Paint, Black

Additional Supplies
2” - Painters Tape
Drop Cloth

Step 1 – *Build the Sides*

5. Cut 2”x4”x8’ boards to 85½” length. You will need 4.
6. Cut 2”x4”x8’ boards to 25” length. You will need 4.
7. Cut 2”x4”x8’ boards to 24” length. You will need 2.
8. Cut 2”x4”x6’ boards to 67½” length. You will need 12.
9. Cut 2”x4”x6’ boards to 59¾” length. You will need 2.
10. Cut 2”x4”x6’ boards to 20” length. You will need 3.
11. Cut 2“x2” board to 89” length. You will need 1 (you will need to angle both ends for the corners).
12. Cut 2“x2” board to 43” length. You will need 2 (you will need to angle one end on each for the corners).
13. Following the pattern, assemble the sides of the coop using the 16-gauge nailer and attach them together.

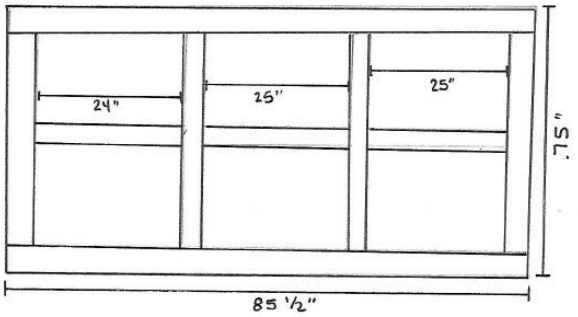
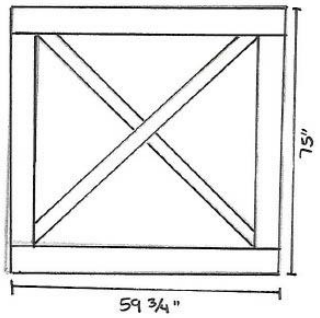


Fig. 1 - Back

Fig. 2 – Large side



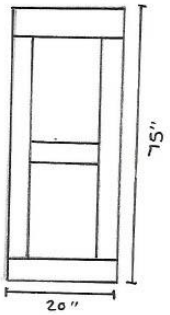


Fig. 3 – Small side

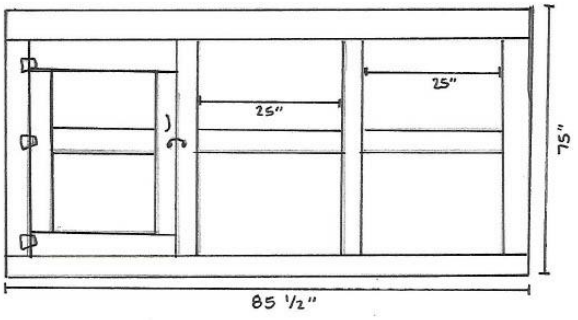


Fig. 4 - Front

Step 2 – *The Roof*

1. Cut 1”x4” boards to 59¾” length. You will need 3.
2. Attach them across the top, between the sides and at the end closest to the Hen House (we used a 6” scrap of 1”x4” underneath to attach them).

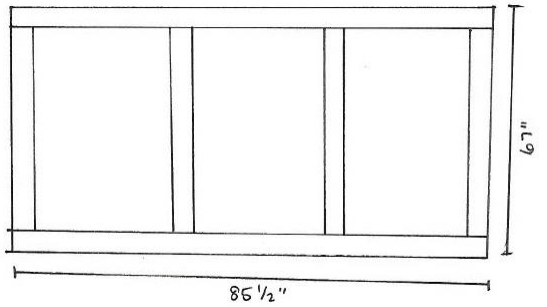


Fig. 5 - Roof

Step 3 – *Join the 2 parts together*

1. Attach the Chicken Run to the front of the Hen House using the 16-gauge nailer. (We cut a triangle scrap piece of 2”x4” to mount it to the center of the front of the Hen House.)

Step 4 – *Gate*

1. Cut 1”x4” boards to 66” length. You will need 2.
2. Cut 1”x4” boards to 16¾” length. You will need 3.
3. Assemble gate using the small mending plates on the four corners on both sides.
4. Using the L braces, attach the remaining 16¾” middle board in the center of the gate.

Step 5 – *Hardware Cloth*

1. Cut 3’x25’ - ¼” - Hardware Cloth pieces - into the following pieces
   - 2 – 3’x58” – Front
   - 1 – 20”x62” – Gate Door
   - 2 – 3’x66” – Large Side
   - 2 – 3’x85” – Back
   - 1 – 14”x67” – Small Side (Attached to Hen House)

Step 6 – *Paint*

10. Using Nano White, paint the Chicken Run. Completely cover it to seal all sides. Apply 2 coats.
11. Using Black spray paint, paint the Hardware Cloth.

Step 7 – *Attach Hardware Cloth*

1. Attach the Hardware Cloth using the staple gun. Be sure to put the staples every 2 – 3 inches to make sure it's secure.

Step 8 – *Finish Gate*

1. Attach the hinges to the gate and attach it to the run.
2. Attach the handle and hook and eye to the gate.
3. Attach the magnet latch to the top of the inside of the gate (to keep it closed when you're inside).

Step 9 – *Cover Roof*

1. Attach the plastic, corrugated roofing tracks to the cross boards on the top of the roof.
2. Attach the roofing panels using the Woodtite fasteners. Be sure to overlap the panels slightly. They should hang over the X end of the run.