



Help Text-line: 512-334-6610

EMAIL: support@roostandroot.com re: Assembly Support **VOICE:** 877-741-2667 | Assembly Support ext 3

Assembly Instructions

Round-Top Stand-Up Coop™

Model 2



These written instructions, as provided with your purchase, will always be the latest iteration of the instructions and match the coop shipped and provide the most complete up-to-date information.

We depend on feedback about our instructions to implement changes to future versions. Please know that we value your input to that ongoing process and endeavor to produce instructions that are as effective as possible for a wide variety of customers.





Use your phone's camera to read QR Code. Video overview of assembly.

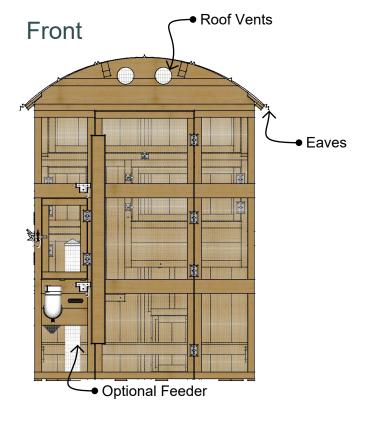


Shown With Optional Waterer & Feeder

V2.0

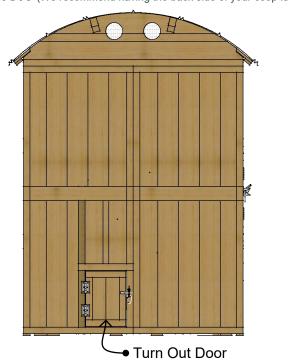
Spring 2025

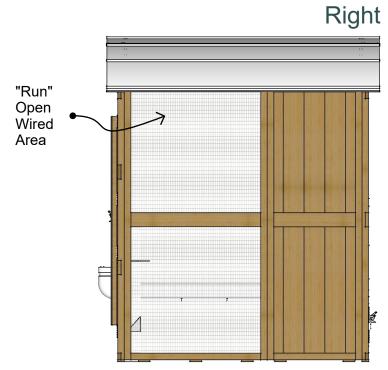
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Back (We recommend having the back side of your coop facing North)







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Model 2 Spring 2025 V2.0
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Orientation



Understanding these concepts / conventions will help guide you through the instructions.

- 1 Mating edges of parts to be flush and tight (when called for) will keep measurements in tolerance as the coop grows in size.
- 2 CRITICAL: Having a flat area is required for the coop to assemble properly and operate properly.
- We estimate about 8 man hours (1/2 day for 2 people) of ordinary skills to assemble. Two people are required for many steps.
- 4 You will need a drill (preferably cordless) a tape measure and a hammer. Everything else is provided.
- Drive screws only deep enough to hold parts tight and not bury the heads too deeply as water can sit in the divots and it may cause softening of the wood and prematurely loosen screws. It will also greatly decrease your ability to easily disassemble a part if needed.
- You may end up directly driving in a screw. The provided screws are very aggressive and can drive with no pre-drilled hole or you can preferably use the provided pilot countersink bit. Keep screw entry points in the meat of the wood and not too close to edges. Screws in knots or close to edges should for sure be pre-drilled.
- Rough Cedar may have knots, cracks or frays that are normal. We cull and cut around imperfections we deem structurally problematic during fabrication. If you get a part that you feel is not beautiful, please let us know so we can address your concern. Cedar shrinks and expands as it dries out and gets wet again. We assemble parts with wood at an average moisture content and leave gaps sufficient for wood to swell when fully wetted.
- We hand fabricated your coop with human carpenters. We work really hard to not make mistakes. On the rare occasion that we either misfabricated a part, a part was damaged in shipping, or we forgot to package a needed part, contact us and we will ship out a replacement part for you at no cost.
- We recommend dirt floors in the runs of coops. A trimmed rubber mat can be placed in the bottom of egg boxes and you may wish to put pine shavings or shredded junk mail in them. They are left wire so they can be cleaned in the event of a broken egg.

Sealing & Care:

We recommend you leaving your coop natural. You can stain your coop but should only use a "breathable" low VOC water based stain, or better yet, a siloxane-based product. You can have color added to some products too...like painting, but it's a wood stain that lets the wood breathe. Sealing can keep the wood from going grey. That's the main benefit. Clean wood with mild detergent and water or with a commercially available coop cleaner as needed. Glues used in all joints are completely waterproof and all metal parts are galvanized or have exterior rated coatings.

Placement:

Easy access to water/feed and clear access to doors is needed. Sunlight is not all bad, and the Galvalume roof does a good job at not transferring heat and provides shade. Sunlight does a good job at disinfecting the ground under the coop. Fifty percent (50%) or more of direct sun is preferred. Good air movement around your coop is more important than anything else. The proper side should face North if at all possible. Remember... High ground is dry ground For coop doors to open easily over time, the coop must be level.

Digging Predators:

The welded wire and cedar frames are stronger than almost any predator less than a bear:) so diggers are the prime nuisance. By far dogs are the most common digger. Other "wild" animals, while more rare, certainly can dig too. If you're worried about diggers, stack heavy block shaped rocks around perimeter of coop to make getting under more difficult. Better yet, bury them around the perimeter just below grade. You can also attach a strip of wire that extends out from the bottom rails, and bury below the surface of the soil. We recommend dirt in bottom of coops that has good drainage. Pine shavings, straw or shredded junk mail can be used in laying areas... but is not recommended in the main run areas.

More About Cedar:

Your coop is built from rough cut domestic cedar. Our 2x2's are actually custom milled. Wood deemed defective is culled during milling, cutting and in fabrication... about 5%-10% does not "make the cut". Knots, blemishes, fraying, coloring variations, minor surface cracking, slight warping and periodic worm marks are normal parts of natural wood products. We try to make it to where a reversible part always has a "pretty side" and take care to make the "pretty side" show on all parts. If you're unhappy with a piece of wood we fabricated into your coop, send us a picture. We want you to love every piece of your new coop.



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Model 2 Spring 2025 V2.0
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Concepts

Sides

A1 Left Wired Wall
A2 Right Wired Wall
A5 Left Wood Filled Wall (door)
A6 Right Wood Filled Wall

Front

A7 Left Front (water & feed)
A8 Right Front
A9 Door (with handle & hinges)

Back (as if looking at from front)

A10 Left Back
A11 Right Back (door)

Roof

A21 Arc (identical pair)
A22 Roof Supports (identical pair)
A23 Eave Boards (identical pair)

A24 Roof Metal (3 pc matched set)

"B" Parts - Roost

B1 Roost Bars (4 identical)

B2 Roost Door Panel (door)

B4 Roost Door Storm Panel (translucent panel)

B5 Day Roost Bar

"C" Parts - Egg Box

C1 Egg Box Face (egg shaped holes)

C2 Egg Box Access Panel (2 doors)

C3 Egg Box Floors (2 identical wired panels)

"D" Parts - Storage Area

D1 Storage Area Floor (wood & wire)

D2 Storage Area Door (wire)

D3 Storage Valence Holder Board (slot)

D4 Storage Valence (translucent panel)

D5 Door Storm Panel (translucent panel)

"F" Parts - Accessories (if purchased)

F1 4" EZ-Fill Waterer & 2 Poultry Nipples

F2 Waterer Hanger Bracket

F3 EZ-Fill Feeder

F4 Feeder Retainer Bracket

F5 Storm Panel Set (13 Panel Set)

Tools Provided

T25 & T20 Torx Bits Phillips Bit Magnetic Bit Holder 1/8" Drill Bit

Loose Hardware

5 Safety Clips

3 Gravity Gate Latches

2 Sliding Gate Latches

2 Hook & Eye Sets

2 Stake Nails

1 Window Bolt & Screws

Fasteners Provided

3" T25 Screws 171+ 1 5/8" T20 Screws 16+ Rubber Washer Roof Screws 20+ Phillips Screws Gate Latches 30+ Pan Head Phillips Screws Sliding Latches 4+

* Extra screws are included

Tools you'll need...



Drill... preferably a cordless drill with 2 charged batteries.



Tape Measure





A level (or use your cell phone)





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Model 2 Spring 2025 V2.0
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Parts List



Please Be Careful



Coop is designed to be assembled by two people of ordinary skill.



Some of the steps will need to be performed from a ladder. If you are not comfortable and experienced standing on and working from a ladder you may want to get some help for those steps. Please be careful.



Any roof metal and flashing can have sharp edges. We attempt to knock off sharp corners and edges from roof metal. You must be the final determiner of sharp edges. A standard metal file from your hardware store, or metal snips, can be used to make edges to your standards. You may choose to wear a pair of work gloves while handling roof metal.



Spending the time up front to identify all the parts and lay them all out will pay off in the long run and make assembly go more smoothly. The instructions are intended to be read in page order as, the information builds in that way, then referenced during assembly. Pre-reading the instructions will help immensely.



Be careful not to get caught in coop. Children should not play in coop as the doors are not designed to allow easy exit.

:-) Here we go!

Find and

remove

shipping

from door

screw

frame.



The first step is to assemble the two back panels and two back side panels as illustrated. Reading this entire step first before tackling it will help you to better understand what you're going to be doing.

1.1 Left Back Corner: Using the provided T25 Torx Bit in provided Bit Holder and your drill, drive 6 of the 3" T25 Screws from panel A5 into panel A10 through pre-drilled holes to form the left back corner of the coop. Panel A5 connects to back side of panel A10. Or said another way, panel A10 overlaps panel A5.

Note 1: Only drive screws deep enough to be tight and try not to bury heads too deeply into the wood. Use your drill on its slow setting.

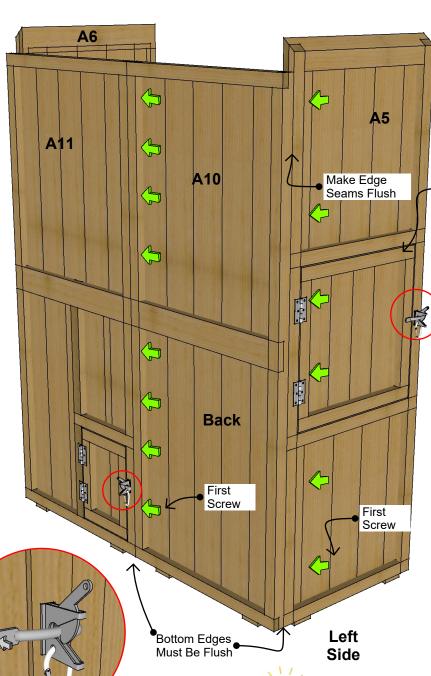
Note 2: Make bottom edges flush and sides flush as you put in screws. Work your way up from the bottom.

1.2 Right Back Corner: Repeat the procedure from step 1.1 and attach the A6 right side back panel to the A11 back panel.

1.3 Attach Back Panels Together: Move the left side back assembly (A5 & A10 panels) into position to join to the right side assembly (A6 & A11 panels) and using 8 of the T25 screws join the A10 and A11 panels together putting screws into pre-drilled holes screwing into positions as illustrated. Take care to make bottom edges flush and side flush as you work your way up to join.

1.4 Gravity Gate Latch: Using phillips head screws as illustrated and provided phillips bit in bit holder, install the gravity gate latches as illustrated in Fig 1 on the back turn out door. Remove shipping screw from frame of door when complete. This same procedure applies to the other

Pro Tip: Push edges of panels in and out as you work your way up so that outside face is as flat as possible. The wood we use is "rough cut exterior grade cedar" so the dimensions of the lumber will not be precise.



Pro

Tips

Fig 1 🦠

Use Phillips Screws

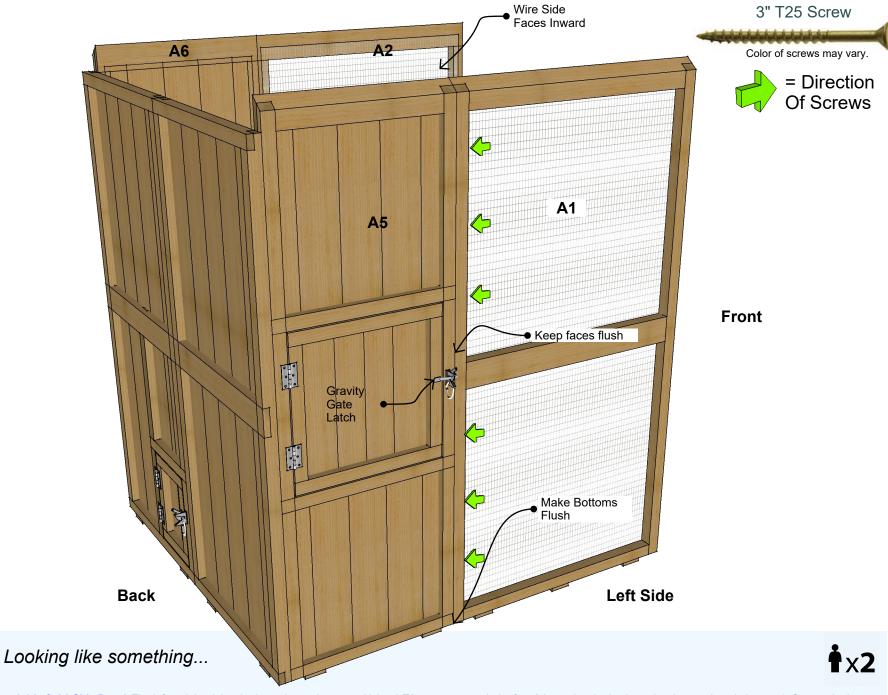
- Left & Right Corners ack Step 1

Your coop comes with premium stainless steel hardware that also requires us to provide you stainless steel screws. Stainless screws are actually softer than cheaper screws. If you will pre-drill the holes with a 1/8" drill bit they will require less push pressure to screw in. Or, just push hard so the bit does not strip the head.



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Model 2 Spring 2025 V2.0
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Step 2 - Left & Right Front Sides



- 2.1 Left A1 Side Panel: The left and the right wired panels are the same. Using 6 T25 screws, attach the front A1 panel to the back section A5 panel made in step 1. Start at the bottom making sure the bottom edge is flush and work your way up keeping the faces flush by pulling in or out as needed.
- 2.2 Right A2 Side Panel: Repeat the procedure in 2.1 to attach the A2 right side panel to the A6 back side panel. The coop should sit stable enough now to go onto the next steps.
- 2.3 Install Gravity Gate Latch: Install gate latch on egg access door using the same procedures as you used before.

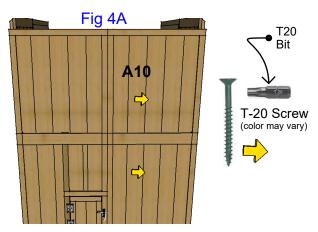
- Step 3 Assemble
- 3.1 Someone Holding For You: Using T25 screws attach C1 Egg Box Face Panel to middle vertical post of C2 Egg Box Access Door Panel driving screws from C2 middle post into C1 edge. Now attach D1 Storage Floor on top (wood side up) making sure back edge of C1 is flush with cross piece on D1 wooden area. Screw in from C2 into C1 and from D1 into top edge of C1.
- 3.2 Install Egg Box Floors: Using T25 screws attach the lower C3 Egg Box Floor (wire side down) tight into the corner formed from the C2 Panel and C1 Panel attaching from C2 into C3 edge and C1 into C3 edge. Repeat for upper C3 Floor noting the alignment with C2 and C1 as illustrated in Fig 3 & 3A.
- 3.3 Install Roost Door: Place B2 Door Panel into place as illustrated making sure edges are flush and attach using T25 screws from positions shown. Some screws are behind door. Double check that all screws are in and edges are flush.
- 3.4 Storage Door Window Bolt: Using 4 small Philips head screws included with the Window Bolt, install the bolt portion of the hardware in the center of the D1 panel front (as illustrated) into the pre-drilled holes. Discard the U-shaped retainer portion of the window bolt.

MADEIN

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Egg Box / Roost Assembly









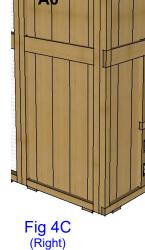


Fig 4B (Left)

:-) Now you know why we left the front off at this point...

as necessary.

level high ground.

Hang Assembly On Boards Inside Panels A5, A6

B2

After this step, the coop will become very difficult for even two people to move so you should make sure its positioned where you want and on

Confirm level along both the back and the sides. A level app on a smart-phone works great! Rake out or build up ground

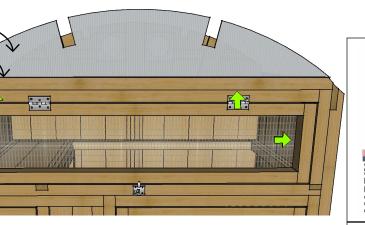
Egg Box Assembly From Step 3

Fig 4

4.1 With Help: Lift the Egg Box Assembly made in Step 3 into coop placing against back wall and resting the unit on top of the boards on the inside of the A5 and A6 Panels. Fig 4. You may need to carefully splay apart sides for unit to fit into place and then carefully move them back to make it squeezed in tightly.



- 4.2 Attach: Making sure edges of assembly are visually running straight up and down with coop sides, adjusting as needed, drive T25 screws from C2 & B2 panels into sides of coop. See Fig 4.
- 4.3: Drive 2 T20 screws through holes indicated in Fig 4A through A10 Panel. these screws go into back side of the C1 Egg Box Face on the other side of the wall.
- 4.4: Drive 3 T25 screws through holes indicated in Fig 4B left side back edge to support assembly back side. Repeat with 1 T25 screw in Right Side as indicated in Fig 4C.







:-) Find your step ladder again!

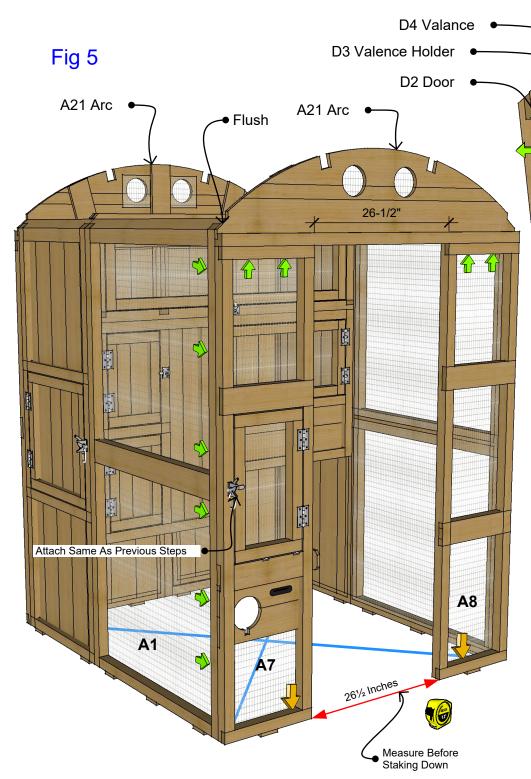
5.1 Attach Left & Right Run Fronts: Using T25 screws into pre-drilled holes, attach left side **A7** and **A8** panels as illustrated in **Fig 5** making sure to keep edges and bottom of panels flush. Repeat for right side Install latch hardware as in previous steps on panel **A7**.

5.2 Front & Back Arcs: Using T25 screws into pre-drilled holes under top rail of **A7** & **A8** attach **A21** Arc on top of **A7** & **A8** moving left and right sides of coop in or out as required to make left, right and front edges line up. See **Fig 5.** There should be ~ **26**½ inches between left & right sides. Repeat back **A21** Arc on top of **A10** & **A11** panels driving T25 screws up into bottom rail of Arc from top rail of **A10** & **A11** panels.

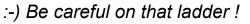
5.3 Square Up Coop: Your coop should be level, but it might be a little "racked". Using a measuring tape measure the inside dimensions of coop corner-to-corner as illustrated by the blue lines in FIG 5. It should be **about 83 inches**. Most importantly, it should be **equal** corner-to-corner. "Rack" the coop corner-to-corner as needed to make the measurement equal.

5.4 Stake Down Front: Position **A7** and **A8** Front Panels In/Out to where there is ~ **26**½ inches between left & right sides at ground level. When correct, drive Stakes through holes in bottoms of **A7** & **A8** where indicated by **Gold Arrows** to stake down the bottom edges of front door opening. See **Fig 5**. Make sure front of panels are straight across too.

5.5 Storage Door & Valance: Position **D2** Door on top of Storage Area as indicated in **Fig 5A** and using T25 screws attach door frame on left and right sides by aligning with edges of coop and driving screws from frame into side panels of coop. Place **D3** Valance Holder Board on top of **D2** Door Frame aligning side to side and edges, and drive T25 screws up through **D2** Door Frame top edge into bottom of **D3**. Place **D4** CoroClear® Valance Panel into slot of **D3**.









Roof

Screw

6.1 Roof Supports: Using your hand, tap into place the two **A22** Roof Supports aligning the notches of the supports with those in the **A21** Arcs. See **Fig 6**. Fit support into cutout of CoroClear® **D4** Valance installed in previous step. If notches are too tight to tap with your hand, tap with hammer directly on top of notches a little at each end at a time. **Be gentle**.

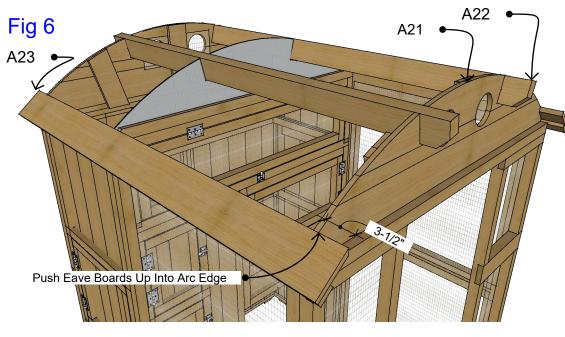
6.2 Eave Boards: Using the smaller T-20 Star Bit in the Bit Holder, attach the **A23** Eave Boards as illustrated in **Fig 6** using the T-20 Screws in the predrilled holes. Align Eave Boards with equal amounts extending from each end, about 3½ inches. Double reinforced edge faces down and towards the bottom.

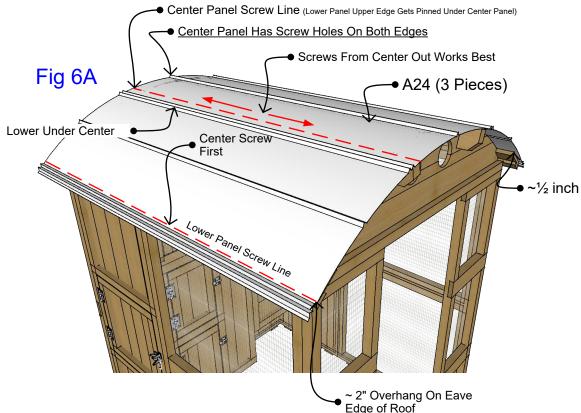
6.3 Galvalume® Roof: Identify the Center **A24** Roof Panel. Its the one with holes along both edges. Other two Lower Roof panels are interchangeable.

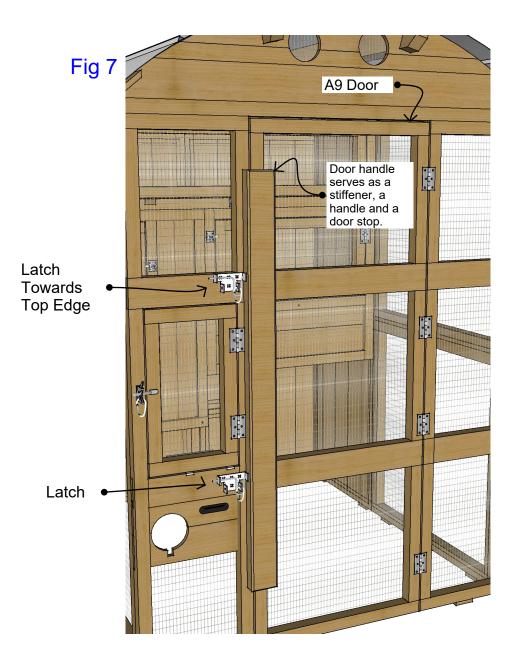
Lower Panels: Position one of the Lower A24 Roof Panels along the A23 Eave Board with about 2 inches of the Roof Panel extending out along the bottom and centered side to side, about ½ extending out. Top edge of panel along the A22 Support will help you align. Using the Bit Holder with no bit in place, put 1 Roof Screw in center hole of the Lower A24 panel driving through panel into Eave Board to temporarily hold in place. Repeat for other side.

Center Panels: Carefully place the Center Roof Panel over the top of the two lower roof panel upper edges pinning the lower roof panels under the Center Roof Panel and drive Roof Screws through center panel into A22 Supports keeping the angle of the Roof Screws more or less along the same lines as the supports. Do it however you can but starting in the center and switching back and forth from side -to-side will result in the most flat panel installation. Repeat along edges until all screws are in.

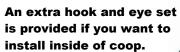
Finish Up Lower Panels: If bottom panel is curved nicely and laying flat, install remainder of E3 screws in other holes. If it is a little bowed after installing center panel, you can remove bottom center screw and install other screws into eaves first, holding flat, and then re-install center screw once you like it.







Sliding Gate Latch Pan Head Screw





Flat Head **Phillips** Screw





:-) Like, you're pretty much done!

Another set of hands will be helpful...

7.1 Install Door: Your A9 Door Hinges are already attached to the door and the holes pre-drilled in the right side panel.

Using 12 Flat Head Phillips Screws attach the A9 Door hinges to the right side panel in pre-drilled holes snugly installing top screws of each hinge first, then snugly installing bottom screws of each hinge, then installing middle screws of each hinge tight. After everything looks lined up, go back and tighten tops and bottom screws of each hinge. Tightening screws in this pattern will help to keep door aligned.

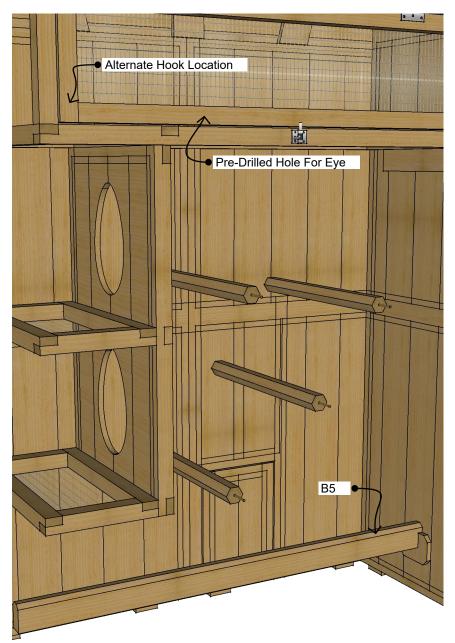
7.2 Sliding Gate Latch: Position the upper sliding gate latch as shown in Fig 7 and using the provided Sliding Gate Latch Pan Head Screws affix the latch using pre-drilled holes making sure that the latch pin moves freely into the catch hole on the Door Handle. When aligned, tighten latch down. Repeat for lower latch.

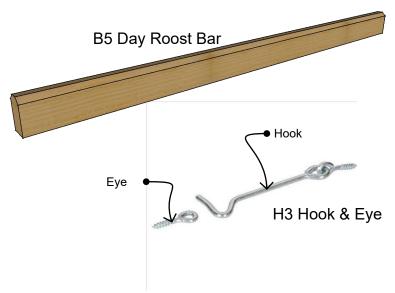
7.3 Main Door Hook: With hook and eye, install on the inside of the main door so that you can lock the door behind you if needed. Works best with the hook on the door and the eye in the side panel.



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Fig 8 Cut-Away View of Roost

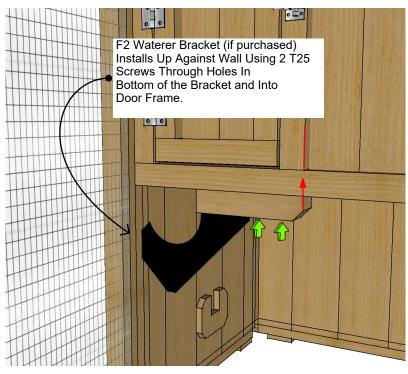


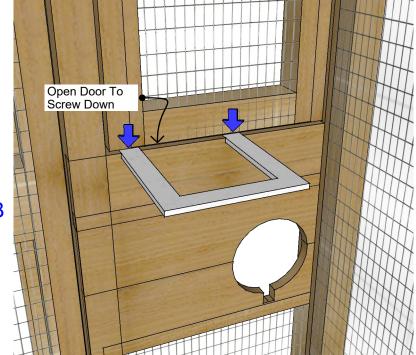


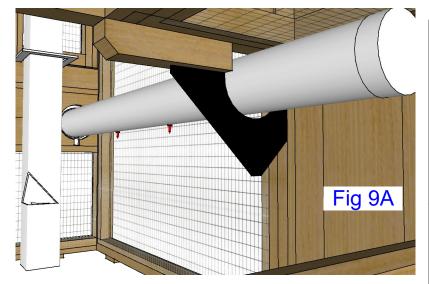
:-) Need that helper again!

- **8.1 Install Roost Bars:** Roost panels are hidden so that you can see locations of roost bars. Using a helper behind the coop, position **B1** Roost Bars in locations shown in **Fig 8 and** using T25 Screws on front and back panels, drive screws into center of bars fixing them into position.
- **8.2 Day Roost:** Carefully hand tap B5 Day Roost bard into position as shown in **Fig 8.** For easy cleaning, it is not screwed in.
- **8.3 Storage Door & Main Door Hooks:** As noted in **Fig 8** attach storage door Eye Hooks in pre-drilled hole on storage door (standard position) and using the provided 1/8 inch drill bit, make a pilot hole on the roof beam directly above and install the hook part to your liking.

If you prefer a lower hook point, the hook portion of the eye can be installed along the storage doors edge and hooked into the wire on the side panels.









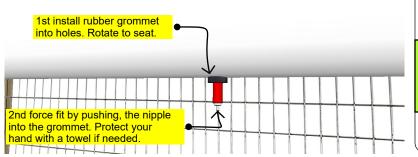
:-) Chow time!

9.1 Install Waterer Bracket: If you purchased the optional waterer, install the **F2** Bracket in the position as illustrated in **Fig 9** using 2 T25 screws screwed in up from the bottom of the bracket into the into bottom rail of the **C2** door panel.

9.2 Install Feeder Bracket: If you purchased the optional feeder, install the **F4** Bracket as illustrated in **Fig 9B** using T20 Screws installed in frame ends of feeder. Open door to put in screws.

Fig 9A shows the waterer and feeder in place as they are when in service.

9.3 Poultry Nipple Installation





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Step 9 - Waterer & Feed Brackets (Option)

You will need to put some sort of a liner in the bottom of the egg boxes. We recommend a cut up door mat that can be washed. An egg might get broken or some chickens will prefer sleeping in the egg boxes at times in the year, and a liner makes it easy to wash. The egg boxes being dark is what makes a chicken lay there versus somewhere else.

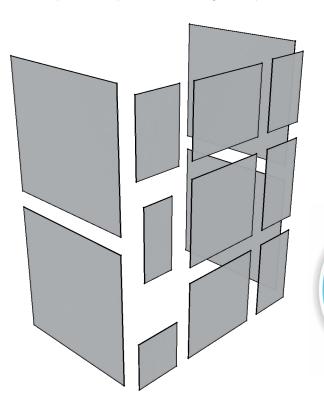
There is an eyelet for the hook to hold open the storage door that is designed to go on one of the roof beams. If you are shorter, you can install the hook over to the side and just hook door onto wire to hold it up. We mounted the door like we did because it gives the most clearance into the storage area and stays closed even if not latched.

If you bought the waterer, you will need to rotate it downward to dump the water and then the nipples can fit through the keyhole on the top of the entry cutout. Dump into a bucket if you don't want the ground getting wet. We do this to protect the nipples and the brackets from the weight of the waterer when full.

See the illustration to the right for a preferred method to predator proof your coop. Block count is accurate. Dimensions of the coop may be found on the product page at www.roostandroot.com.

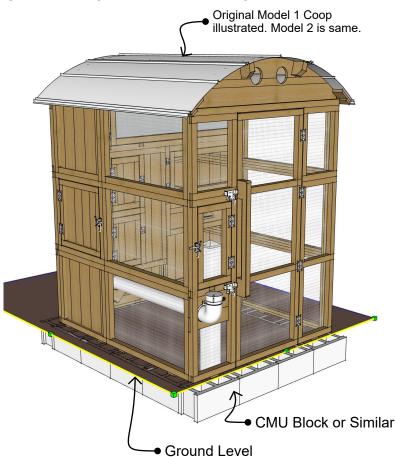
If you ordered the feeder: Feed may clog in very damp climates or when using feeds that do not have clumping agents. Usually, shaking the feeder will dislodge clogged feed. If persistent, the angled chute in the feeder can have some of the material removed from the exit opening...a little at a time until you achieve the performance you want.

See our web site for options to keep water from freezing in the optional waterer.





If you live in a very snowy region you can add a full set of storm panels to keep snow out of the run too.



Below Ground CMU Block Predator Proofing Method



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Final Page