



Start Here!

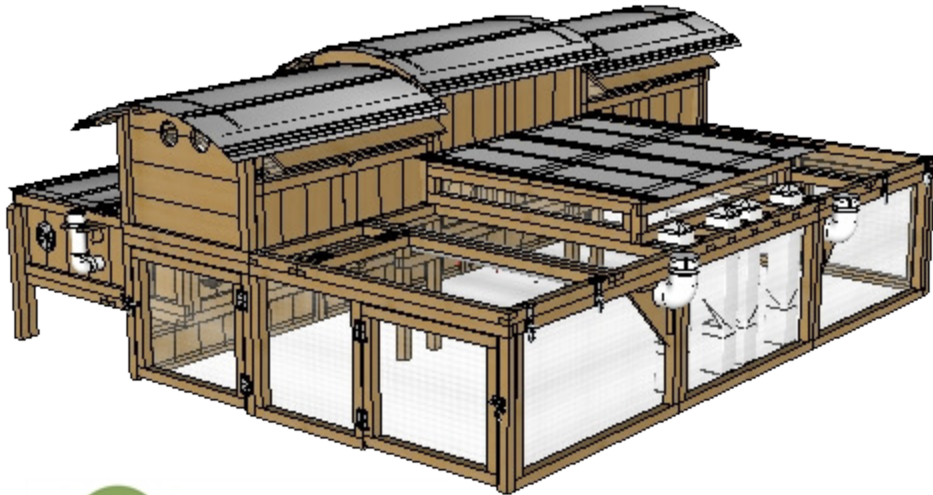


Help Hotline: 877-741-COOP
or info@uccomail.com re: Assembly Support

Assembly Instructions

Round-Top Sustain Coop™

Shown With Optional
Accessories



Self Sustained. Self Contained. Small Flock Hen Housing.

Urban Coop Company is partnered with *The Native Egg Project*, a 501 c3 Non-Profit that is working towards providing coops, a sustainable feed source, chickens and chicken keeping training to Haitians as a renewable way for them to provide food for themselves. Your new Round-Top Sustain Coop™ is the commercial version of the coops we're endeavoring to provide to the people of Haiti. **Thank you!**

Some things you should know...

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

- Mating edges of parts to be flush and tight (when called for) will keep measurements in tolerance as the coop grows in size.
- Having a flat area is required for the coop to assemble properly.
- We estimate about 6 hours to assemble. Two people are helpful.
- You will need a drill (preferably cordless) and a tape measure will be helpful. Everything else is provided.
- Drive screws only deep enough to hold parts tight and not bury the heads too deeply as water will 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 brown and green screws are very aggressive and will drive with no pre-drilled hole. Keep screw entry points in the meat of the wood and not too close to edges. Screws in knots or close to edges should be pre-drilled.
- Rough Cedar may have knots, cracks or frays that are normal. We cull and cut around most imperfections we deem structurally problematic during fabrication. If you get a piece that you feel is not beautiful, please let us know so we can address your concern.
- We hand fabricated your coop with human carpenters. We work really hard to not make mistakes. In 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 or turf mat can be placed in the bottom of egg boxes, or you may wish to put pine shavings them. They are left wired so they can be cleaned in the event of a broken egg.



We try to write instructions that work for both visual and verbal learners. Pictures supplement words and words supplement pictures. 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.

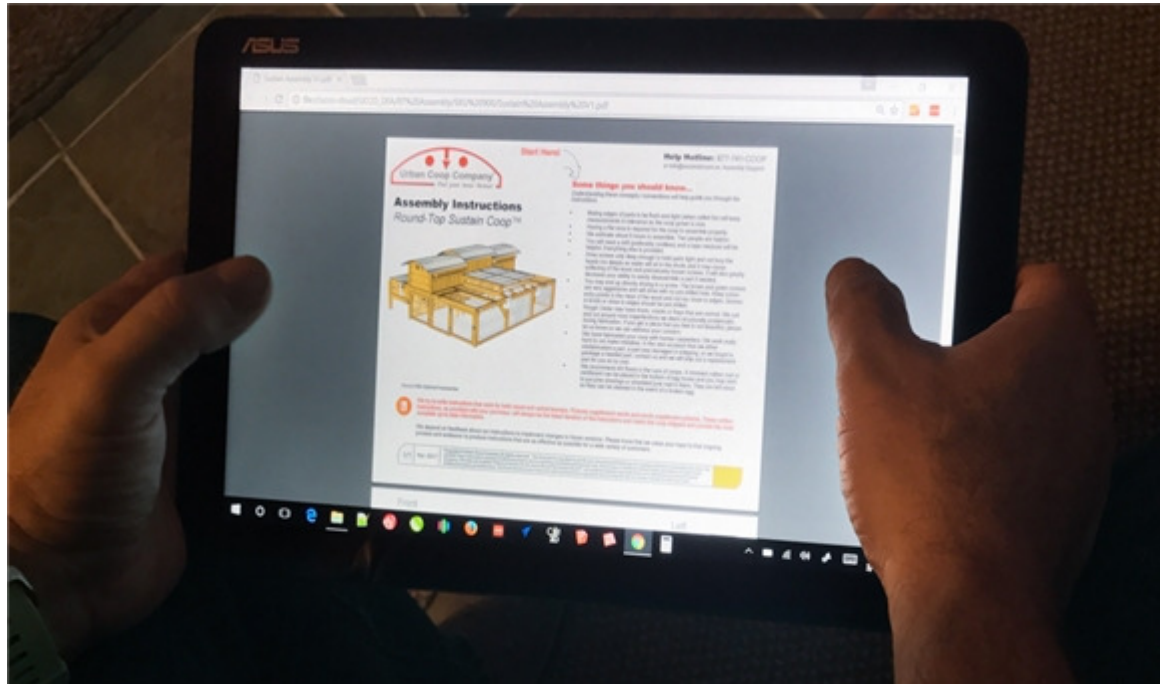
V2

5/30/17

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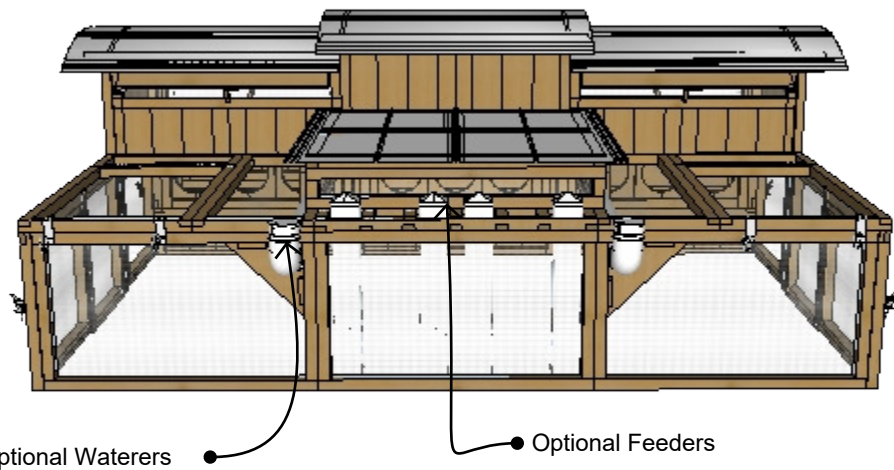
You might find it easier to use digital instructions because you can ***ZOOM*** in on illustrations!



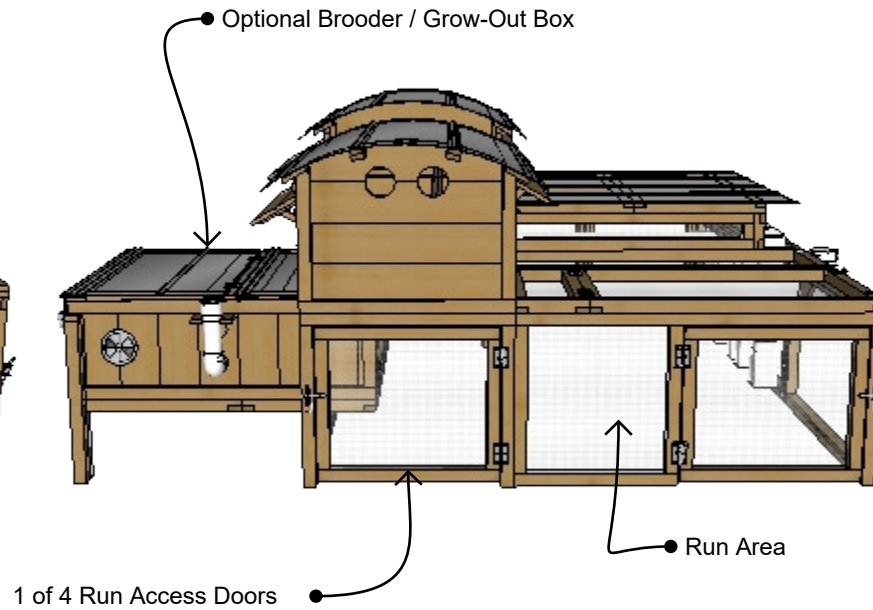
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Windows | MacOS | iOS | Android

Front

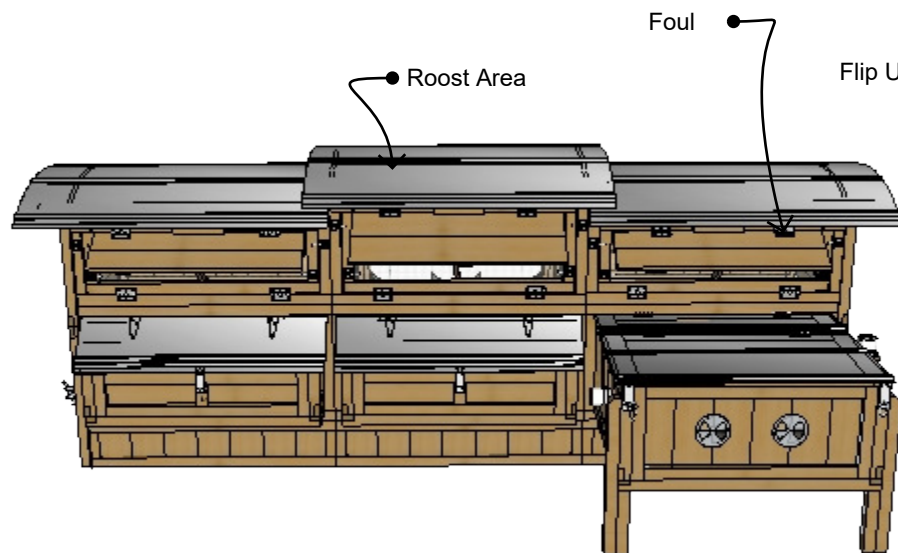


Left

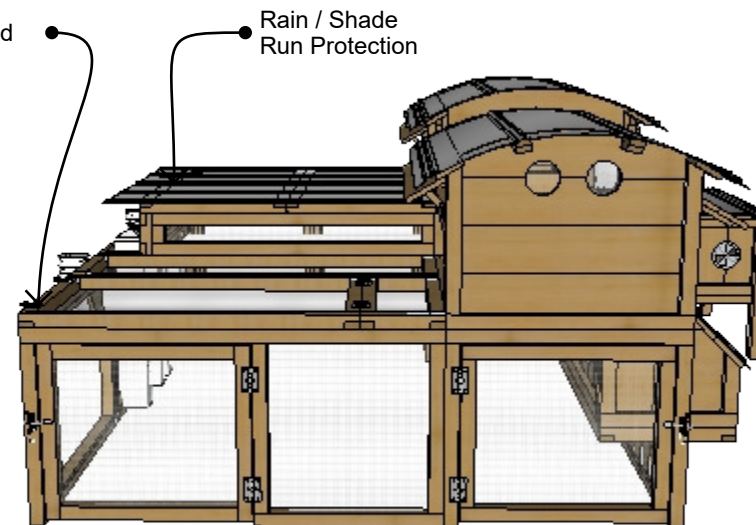


Back

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



Right



Assembly Instructions
Round-Top Sustain Coop
V2 May 30, 2017

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Orientation

Shown With Optional Accessories



Written Parts List

A. Run Panels

- A1 Run Front Left
- A2 Run Front Mid
- A3 Run Front Right
- A4 Run Top Left Outer (Hinged)
- A5 Run Top Left Inner
- A6 Run Top Right Inner
- A7 Run Top Right Outer (Hinged)
- A8 Run Roof Left Side Panel
- A9 Run Roof Right Side Panel
- A10 Run Roof Front Panel
- A11 Run Roof Frame Back
- A12 Run Roof Frame Front
- A13 Feeder Panel
- A14 Run Left Forward Door Panel
- A15 Run Right Forward Door Panel
- A16 Run Left Back Door Panel
- A17 Run Right Back Door Panel
- A18 Back Lower Wind Panels (3 Wood)
- A19 Back Egg Box Frames (3)

B. Roost Panels

- B1 Outer Roost Back Door Panels (2)
- B2 Middle Roost Back Door Panel
- B3 Roost End Panels (2)
- B4 Outer Roost Front Panels (2)
- B5 Mid Roost Front Panel

B. Roost Parts

- B6 Roost Bar Support Brackets (2)
- B7 Middle-Roof Arcs (x2)
- B8 Roost Bars (3)
- B9 Middle Eave Boards (x2)
- B10 Outer Eave Boards (x4)
- B11 Middle Roof Supports (x2)
- B12 Outer Roof Supports (x4)
- B13 Left Roost Roof Panel Set (x2)
- B14 Mid Roost Roof Panel Set (x2)
- B15 Right Roost Roof Panel Set (x2)
- B16 Lipped Center Run Roof Set (x2)
- B17 Waterer / Roost Support Legs Set (x2)

C. Egg Box Parts (3 Units)

- C1 Bottom (Wired)
- C2 Sides (mirrored set of 2)
- C3 Egg Box Face (3 large holes)
- C4 Egg Box Front (beveled top edge)
- C5 Top Board
- C6 Hinged Roof Assembly
- C7 Z-Flashing & Brad Nails

Note: If you ordered the Brooder - Grow-Out Box Item G you will only receive 2 Egg Box Units.

D. Hardware & Latches

- D1 Gate Latch, Screws & Clips (x4)
- D2 3¼" Hasps, Screws & Clips (x3)
- D3 4½" Hasps, Screws & Clips (x4)

E. Fasteners & Tools

- E1 3 Inch Brown T-25 Screws (220)
- E2 1 5/8 Inch Green T-20 Screws (80)
- E3 Neoprene Washer Roof Screws (60)
- E4 Bit Holder
- E5 T-20 Torx Bit
- E6 T-25 Torx Bit (2)
- E7 Phillips Bit
- E8 Phillips Screw

F. Optional Waterer & Feeder

- F1 4" EZ-Fill Waterer (x2)
- F2 EZ-Fill Feeder² (x4)
- F3 Poultry Nipples & Grommet (x8)

G. Optional Brooder / Growout Box

- G1 Front
- G2 Bottom (2 panels)
- G3 Sides
- G4 Divider & Frame
- G5 Face
- G6 Main Roof & Frame
- G7 Sub Roof & Frame
- G8 Top Board
- G9 Waterer, Bracket & Plug Set
- G10 Vent Inserts (4)
- G11 Z-Flashing & Brad Nails (3)
- G12 Rubber Floor Mats
- G13 Legs (2)
- G14 3½ Hasp, Screws & Clips (3)
- G15 Brown T-25 Screws (40)
- G16 Green T-20 Screws (20)
- G17 Neoprene Washer Roof Screws (12)



More about your new coop!

Care:

You can seal your coop if you wish. You should use a low VOC water based product. You can have color added to these products too...like painting, but its a wood stain that lets the wood breathe. We recommend color sealing rather than painting. You paid a premium price for your coop in part to pay for the cedar. It will last outdoors in its natural state for many years, better than almost any other wood. 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 back side should be faced 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 Appearance Grade North American Western Red Cedar. Our 2x2's are actually custom milled by Weyerhaeuser. Wood deemed defective is culled during milling, cutting and in fabrication... about 5%-10%. Knots, blemishes, fraying, coloring variations, minor surface cracking, slight warping and periodic worm marks are normal parts of rough cedar. 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.

Assembly Instructions

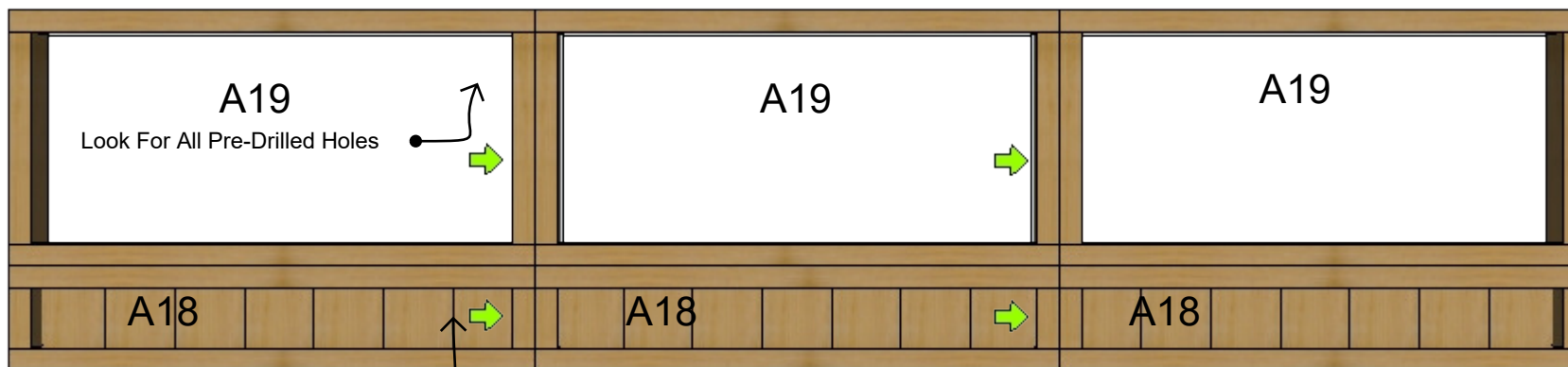
Round-Top Sustain Coop

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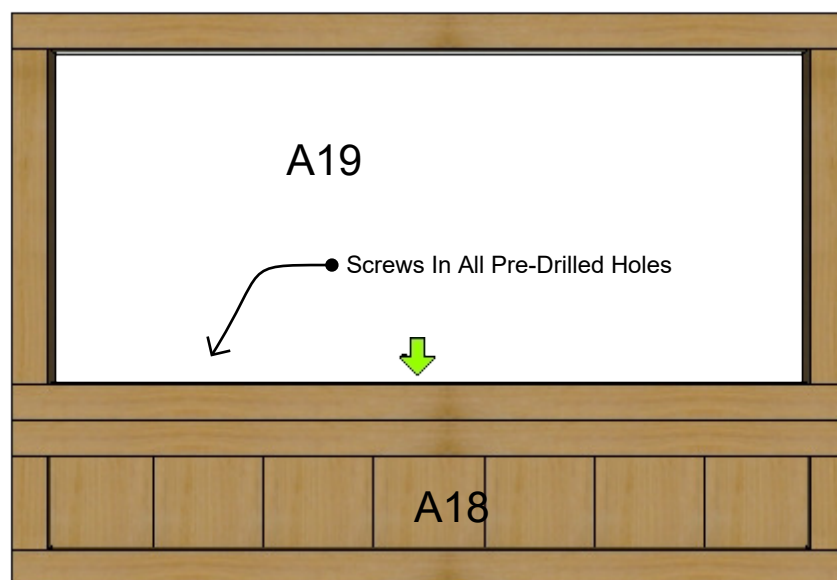
Parts List

Fig 1a



These screws will be a little at an angle but that is okay.

Fig 1



= Direction Of Screws In Pre-Drilled Holes

Note: Water accumulating in screw holes can causes premature rot so we in some instances pre-drill from the bottom side going up.



:-) Here we go !

1.1 Build 3 Back Units - Fig 1 Using **E6 T25 Bit** in **E4 Bit Holder** in your drill, drive 3 **E1 Brown Screws** into pre-drilled holes as indicated by Green Arrows attaching **A19 Egg Box Frames** (all three are the same) on top of **A18 Back Lower Wind Panels** (also all the same) making sure all edges are flush. Repeat for other two sets too.

Note: Only drive screws deep enough to hold and try not to bury heads too deeply into the wood.

1.2 Attach The 3 Units Together To Form Lower Back Assembly: In a large flat area, attach the three units built in **Fig 1** into the Lower Back Assembly as indicated in **Fig 1A** using **E1 Brown Screws** into Pre-Drilled Holes as indicated by arrows. Repeat until you have the entire 3 Unit Assembly. All of the pieces are the same. Set aside assembly when complete.



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Lower Back Assembly

Step
01

Fig 2
Left

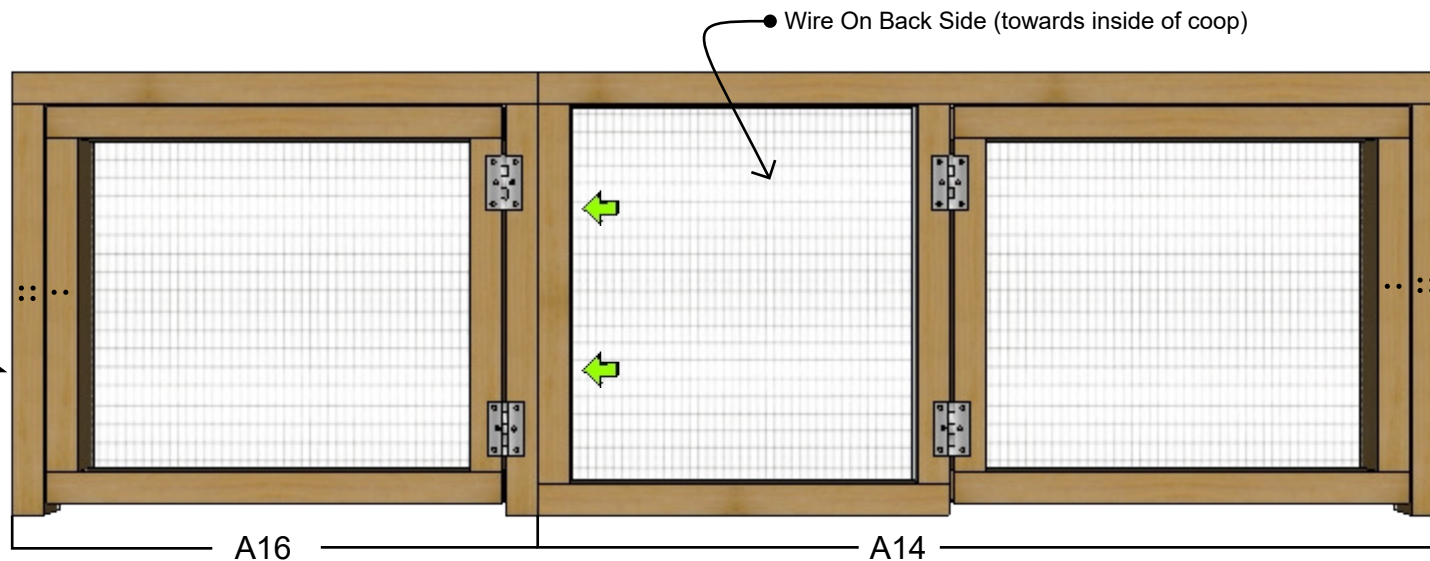
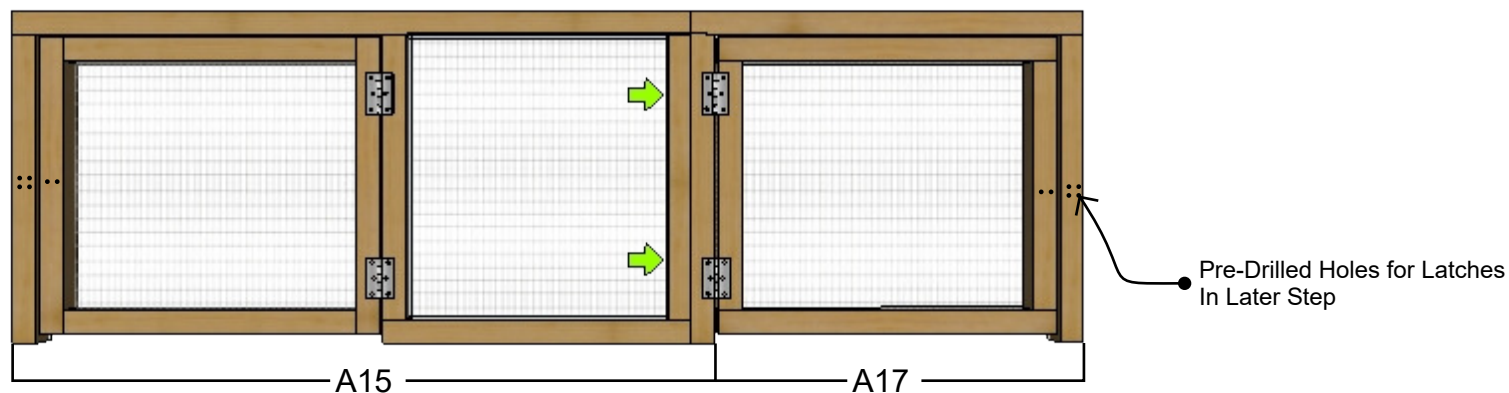


Fig 2b
Right



2.1 A14 & A16 Left Side - Fig 2 Using **E1 Brown Screws** attach Panel **A14** to Panel **A16** as shown in **Fig 2** (green arrows indicate direction and placement of screws) making sure edges are flush. Set aside.

2.2 A15 & A17 Right Side - Fig 2 Using **E1 Brown Screws** attach Panel **A15** to Panel **A17** as shown in **Fig 2b** making sure edges are flush. Set aside.



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Run Sides

Step
02

Fig 3

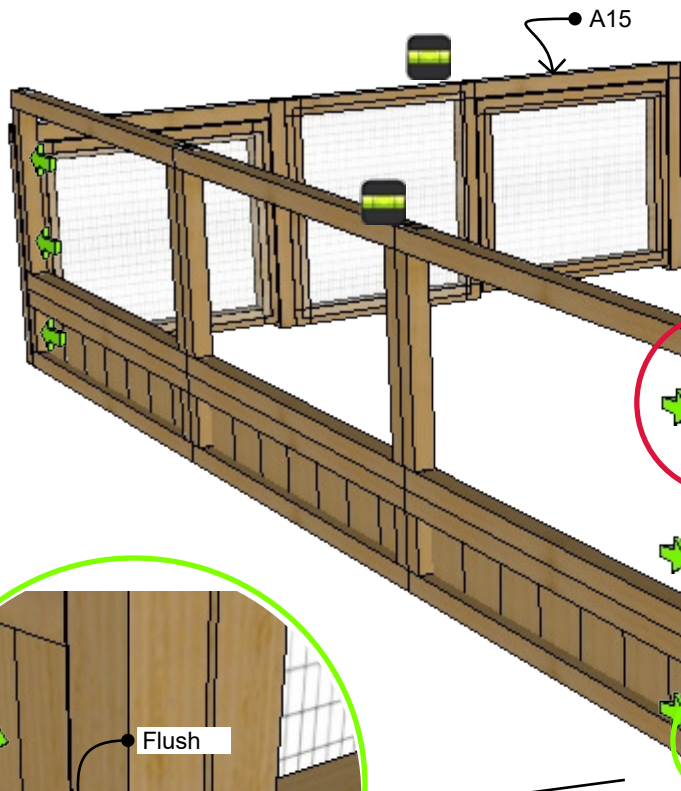


Fig 3a

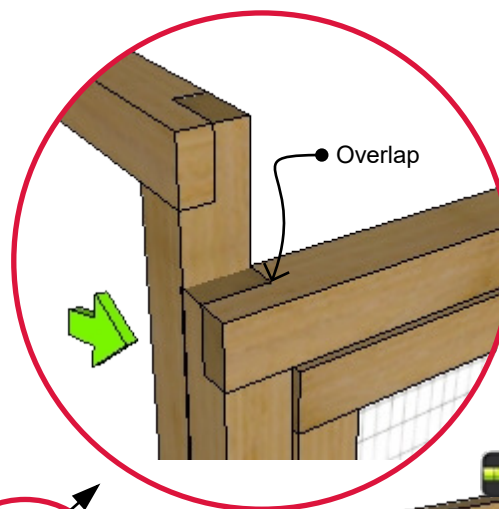
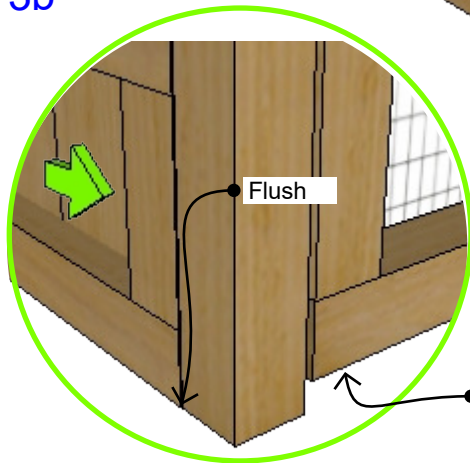


Fig 3b



Door Up Off Ground
A Little for Clearance



Using your cell phone level app (compass app on iPhones) or an actual level, make sure back and sides are mostly level. Check tops.

3.1 Attach Sides to Back - Fig 3 Using **E1 Brown Screws** and a helper ;-) attach Back Panel Assembly to side panel assembly making note of overlaps and alignment (**Fig 3a** and **Fig 3b**). Repeat procedure for both sides.



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**Assemble Sides &
Back**

**Step
03**

Fig 4

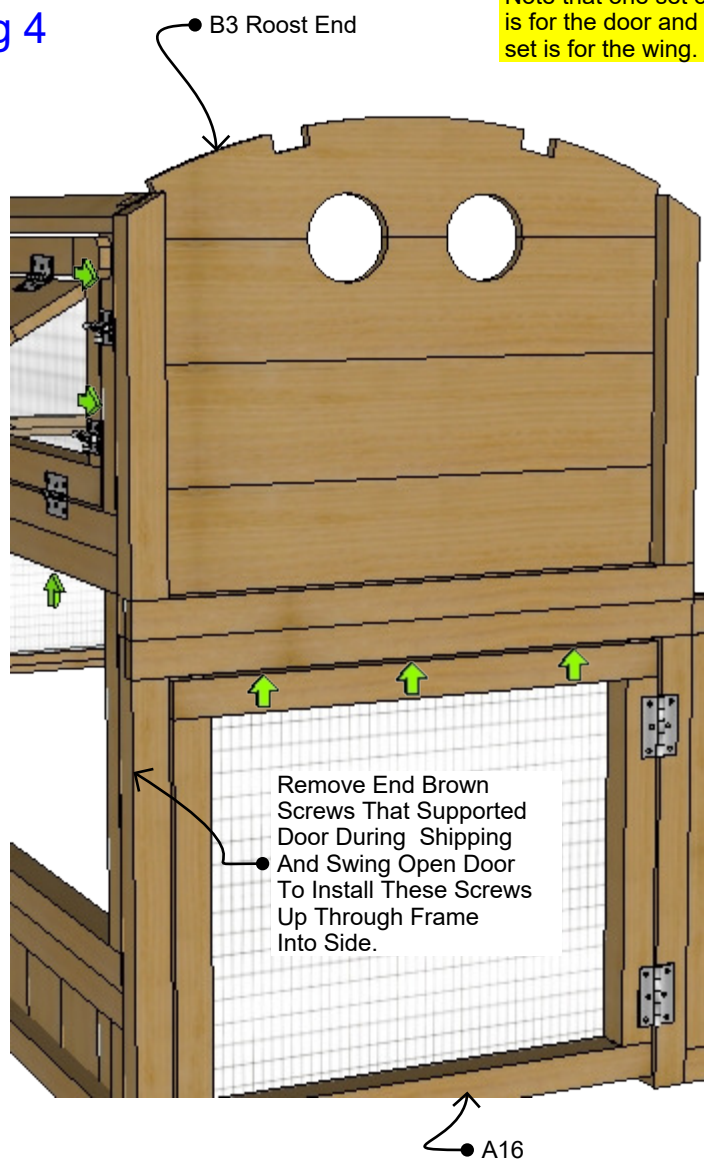


Fig 4a

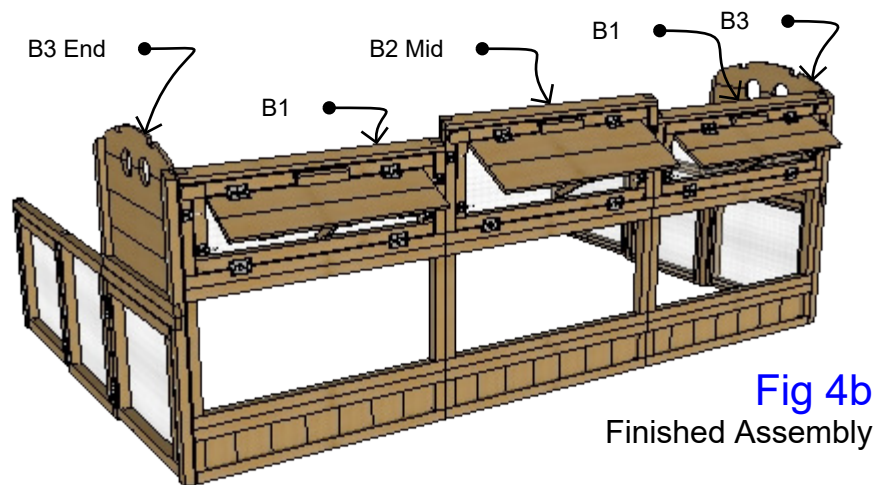
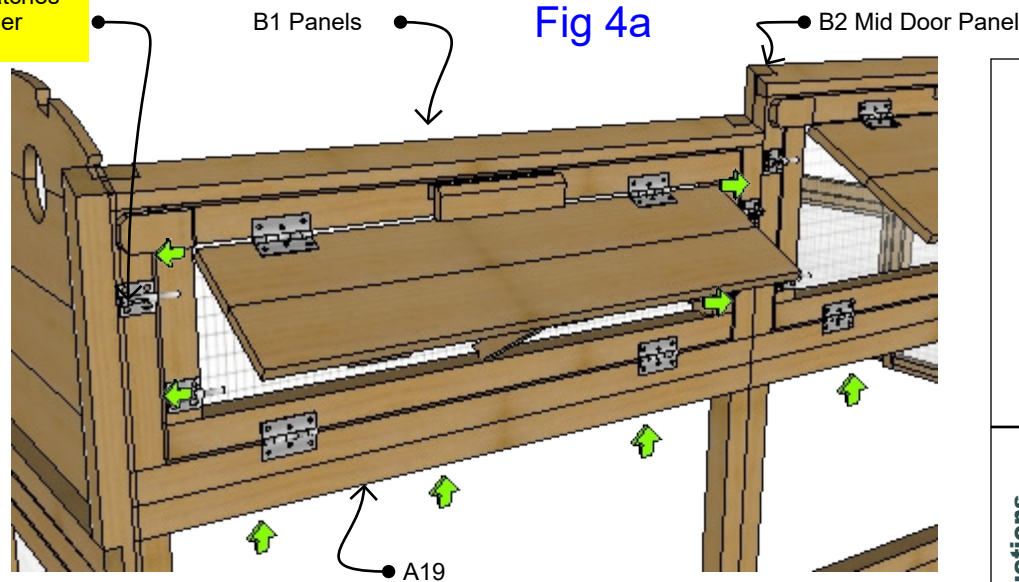


Fig 4b
Finished Assembly

4.1 Attach Ends - Fig 4 Remove **E1 Brown Shipping Screws** that is locking door into place, swing out door and from below the top frame of the door, drive **E1 Screws** up through top frame of door into bottom rail of the **B3 Roost End** panel. Repeat for opposite end too.

4.2 Attach Outer Back Winged Roost Door Panels - Fig 4a Position **B1 Panel** on top of the **A19** frame as indicated in **Fig 4a** and attach driving screws up through top of **A19** frame into the bottom of the **B1** Door Panel, making sure all edges are flush. Carefully lower the door to access the pre-drilled holes inside the door frame to screw the **B1** side frame into the **B3** Side. Set the **B2 Mid Door Panel** next to **B1** and attach it from both under and by screws attached inside of door frame of **B1** into **B2**.

Repeat Installation of the **B3** Panel on the other end until you have an assembly like **Fig 4b**.



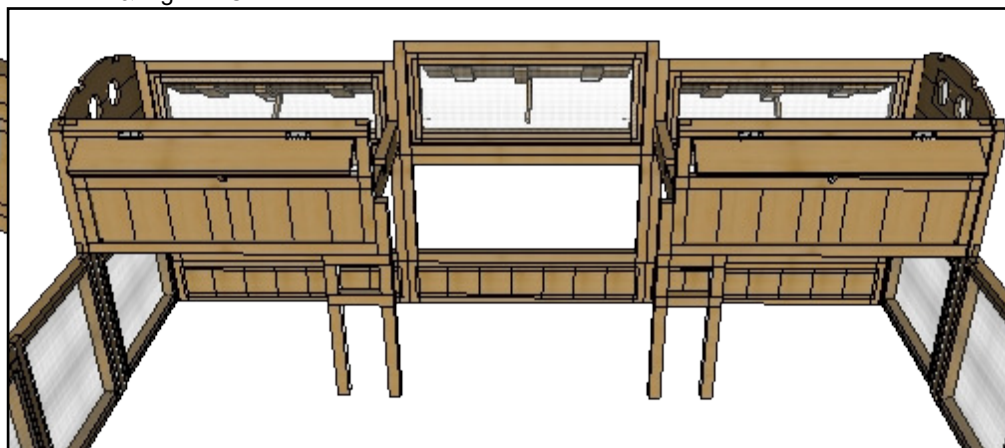
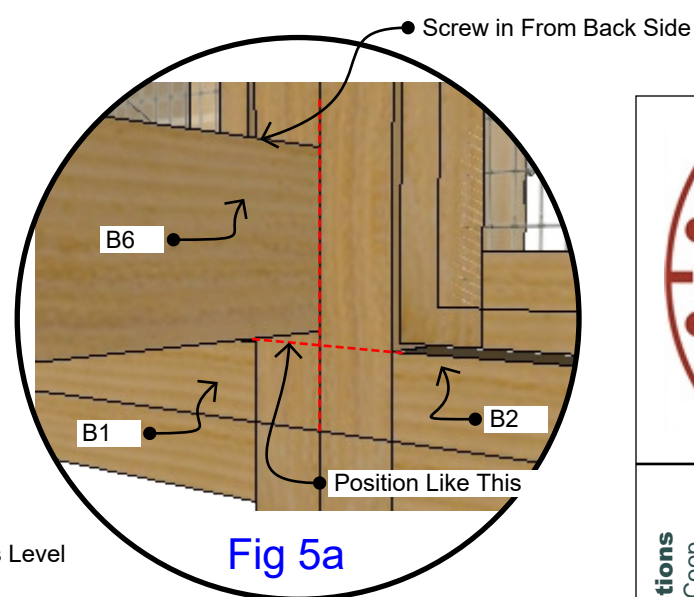
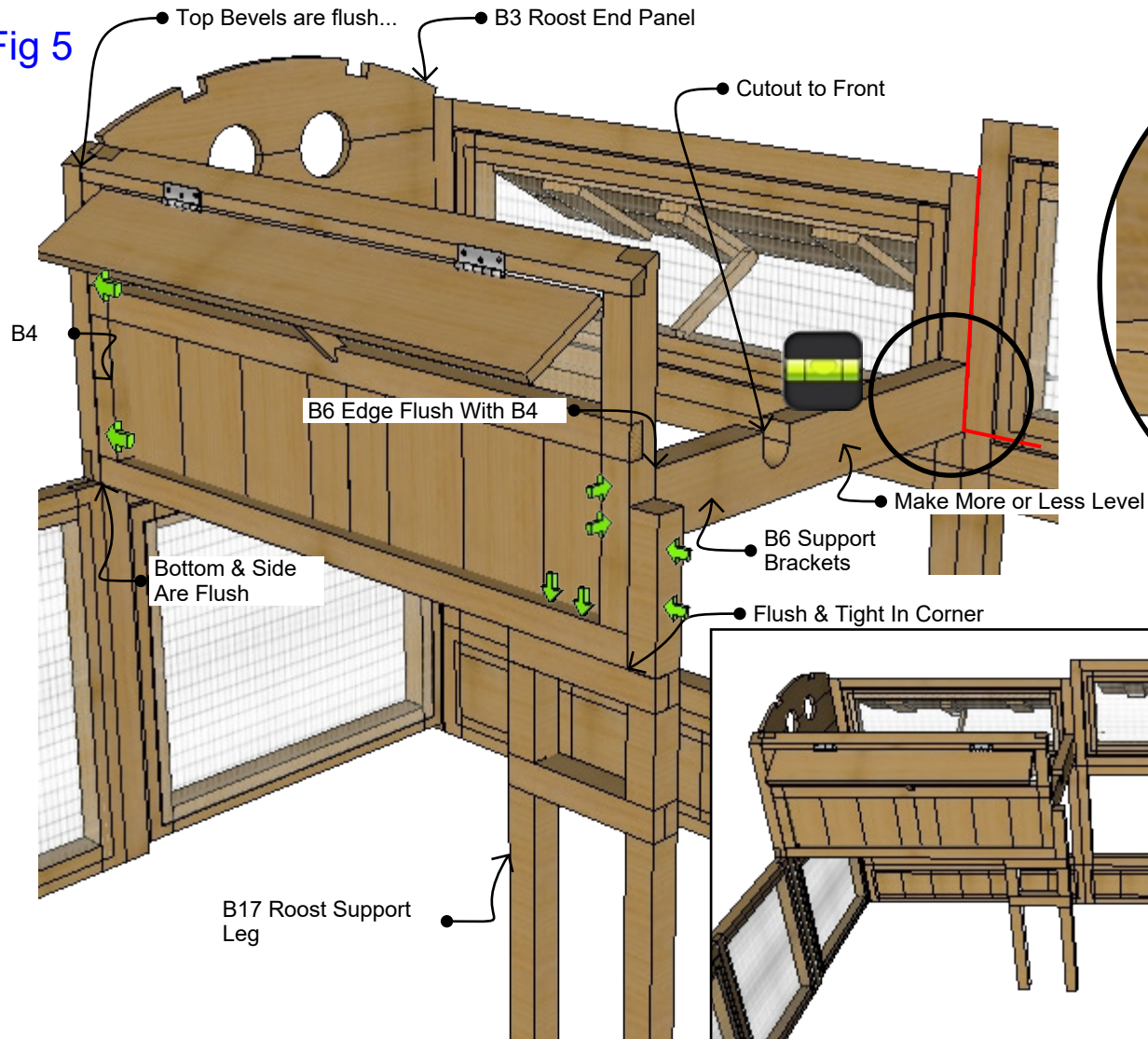
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Roost Back & Ends

Step
04

Fig 5



5.1 Left Front Roost Panel & Support Leg - With **B4** Outer Front Roost Panel lying on the ground, a table or on its end, attach a **B17** Roost Support Leg as indicated in **Fig 5** on the corner of the panel using **E1 Brown Screws**. With Help, attach the **B4** Panel with Leg to the **B3** Roost End Panel as illustrated in **Fig 5** making sure bottom and sides are flush, and top too.

5.2 Attach B6 Support Bracket - Position **B6** Support Bracket and while holding in place as illustrated in **Fig 5** and **Fig 5a** drive **E1 Brown Screws** through **B1** Back Door Panel in the pre-drilled holes landing them into the end of the **B6** Support Bracket. Using the level on your phone or an actual level (eye level is fine) attach the other end of **B6** on the front by driving two **E1 Brown Screws** through predrilled holes on Panel **B4**.

Repeat procedure for the right side of the front of the coop so you have the assembly as illustrated in **Fig 5b**.



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Front Outer Parts Of
Roost

Step
05

Fig 6
Back Right Arc View

Full Notches
Face Outward

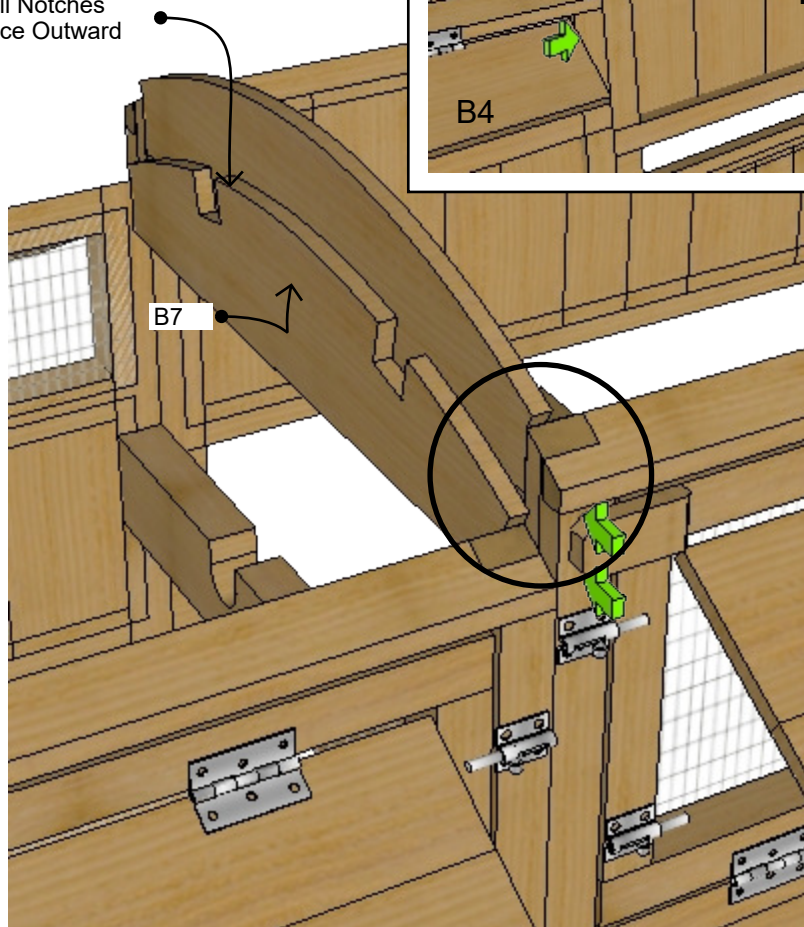


Fig 6b

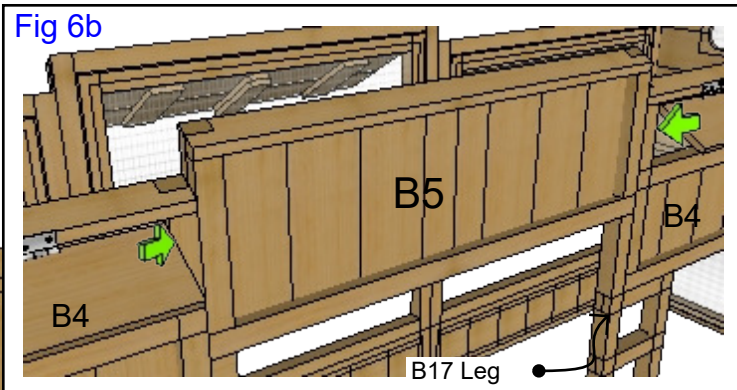


Fig 6a
Front Left Arc View

Pocket Cuts Face Inward

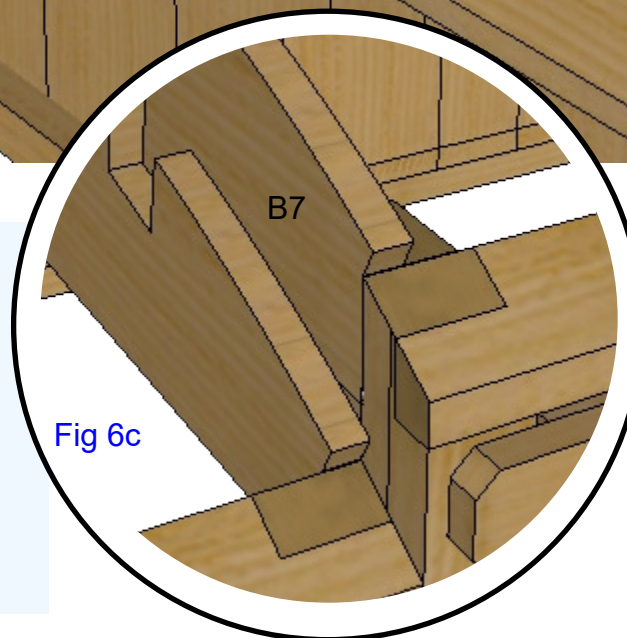
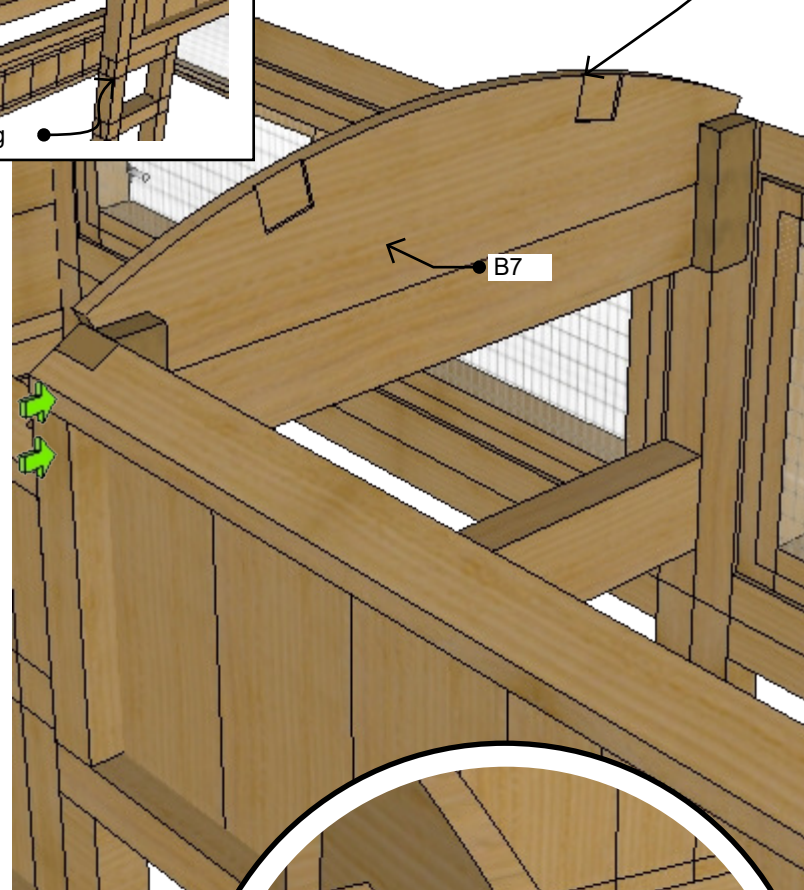


Fig 6c

6.1 Install B5 Middle Front Panel - Place the **B5** Front Panel in between the two **B4** Outer Front Panel and resting on top of the **B17** Legs. Make Edges flush and using **E1** Brown screws, attach driving screws as indicated by arrows in **Fig 6b**.

6.2 Install B5 Middle Front Panel - As indicated in **Fig 6**, position the **B7** Mid Arc aligning it as shown in **Fig 6c** and attaching it using two **E1** Brown Screws as shown in **Fig 6** from both front and back. Make sure the notches and pockets are oriented as illustrated in **Fig 6** and **Fig 6a**.

Repeat procedure for the left side as illustrated in **Fig 6a**.

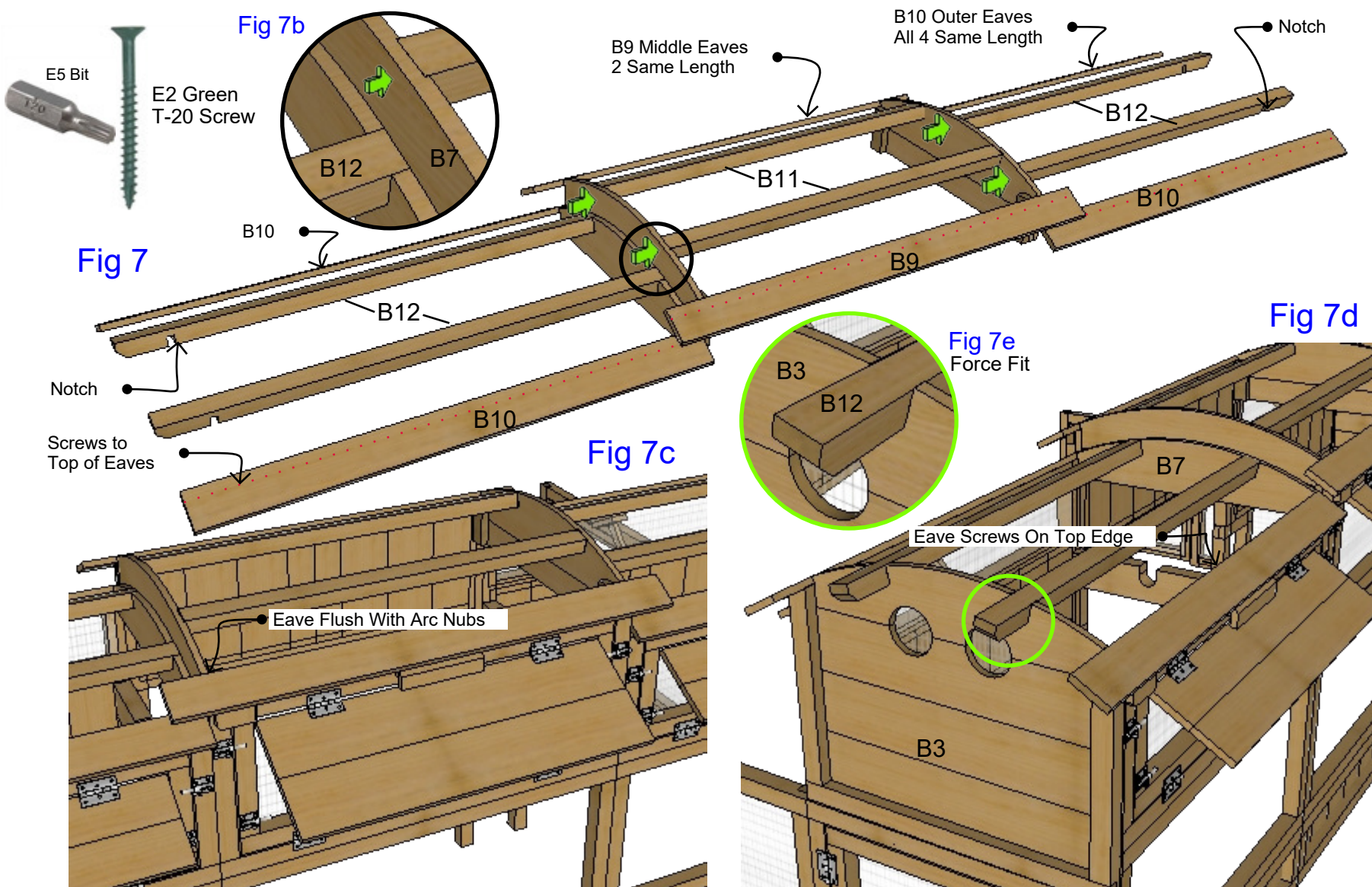


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Center Front And Mid
Roof Arcs

Step
06

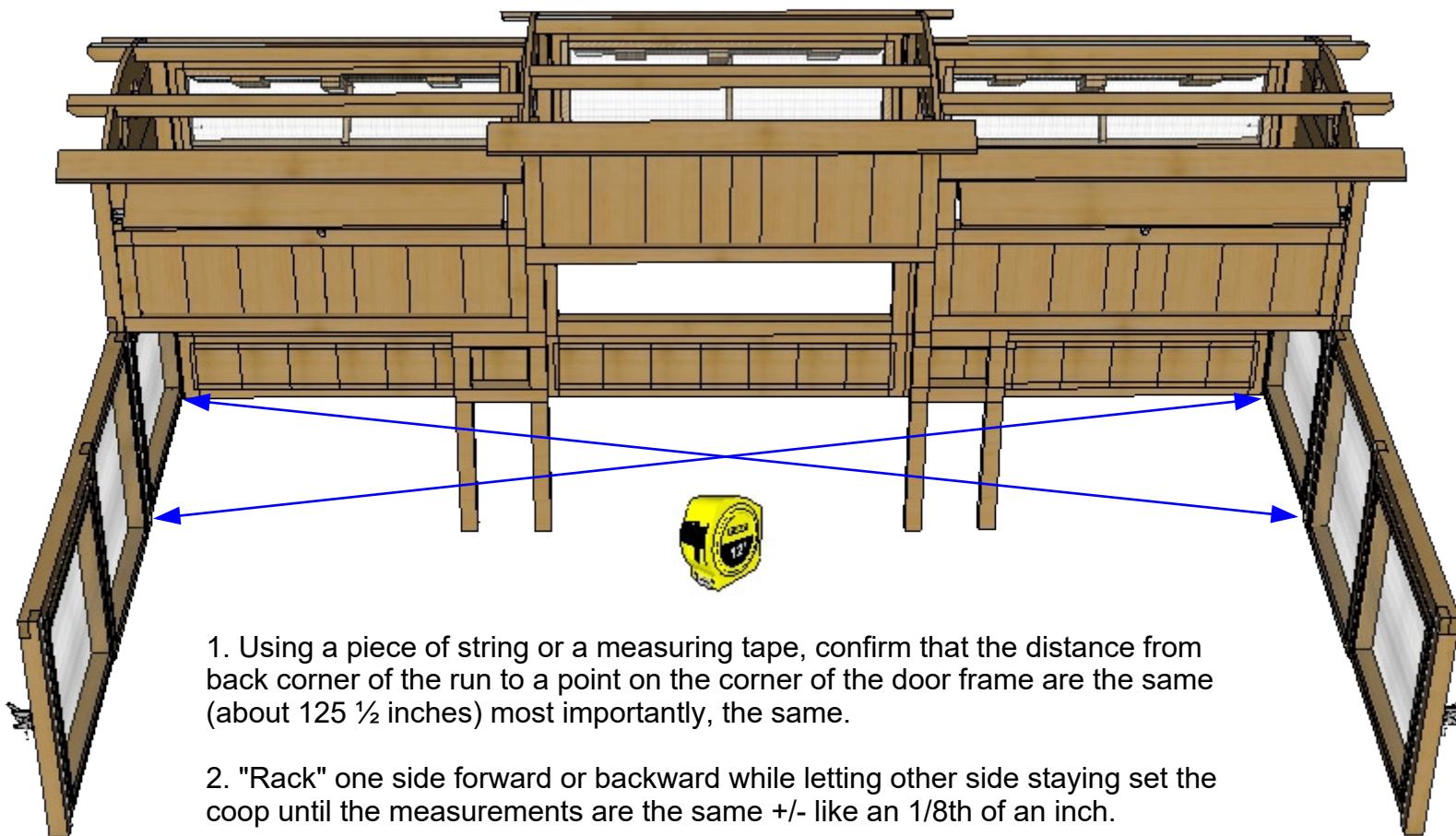


7.1 Identify Parts - Using the **Fig 7** illustration, collect parts for the roof Support Frame. There are 4 identical **B12** Supports with notches in the end. There are 4 identical length **B10** Outer Eave Boards with holes drilled along the top edge. There are 2 identical **B11** Boards with no notches, and 2 same length (longer) **B11** Eave Boards.

7.2 Outer Roof Supports - Using your hand, force tap with your palm the notch of **B12** Outer Roof Support boards into the notches on the **B3** Roost Ends (**Fig 7a**) and the notches of the **B7** Mid Arcs (**Fig 7b**) and then from the back side of the **B7** Mid Arcs use **E2** Green T-20 Screws and the T-20 Bit to drive a screw through the **B7** Arc into the end of the **B12** Supports. If **B12** won't fit by hand, you can tap lightly with a hammer on the top part that will be covered by roof metal. Repeat this procedure for the other end.

7.3 Middle Roof Supports - Using your hand, force tap with your palm the ends of **B11** Mid Roof Support boards into the pockets between the two **B7** Mid Roost Arcs and then from the back side of the **B7** Mid Arcs use **E2** Green T-20 Screws to drive a screw through the **B7** Arc into the end of the **B11** Supports. If **B11** won't fit by hand, you can tap lightly with a hammer on the top part that will be covered by roof metal. Repeat this procedure for both supports.

7.4 Eave Boards - Referencing the above illustrations, place the outer **B10** Eave Boards on the top beveled edges of the outer front and back panels jamming the inside of the eave up against the sides of the **B7** Arcs and the top edge (holes are along tops) against the nubs of the arcs. Drive **E2** Green screws into the pre-drilled holes in the Eave Boards to hold in place. **B9** Center Eave Boards jam up against the nubs of the **B7** Arcs and are centered left to right and are held in along top edge by **E2** Green T-20 Screws.



1. Using a piece of string or a measuring tape, confirm that the distance from back corner of the run to a point on the corner of the door frame are the same (about 125 ½ inches) most importantly, the same.

2. "Rack" one side forward or backward while letting other side staying set the coop until the measurements are the same +/- like an 1/8th of an inch.

Note: This step is necessary before installing the roof metal on the next step as the metal serves as a structural member to keep the coop "square" and once it is installed it will not be moving again. **Make sure you like the position of the coop.**



Fig 9a

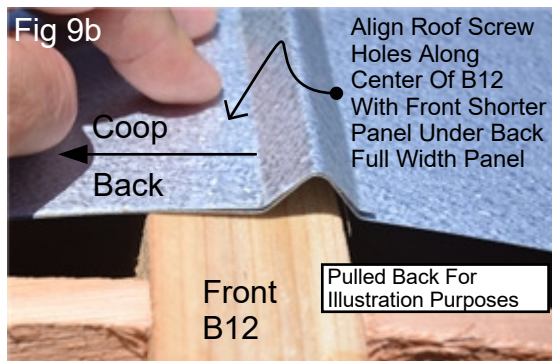


Fig 9b

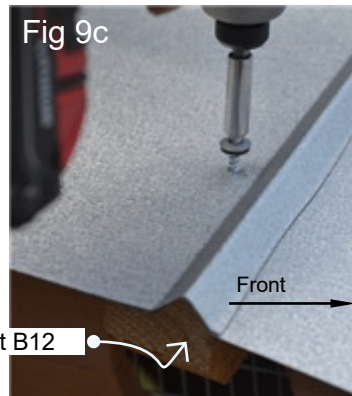


Fig 9c

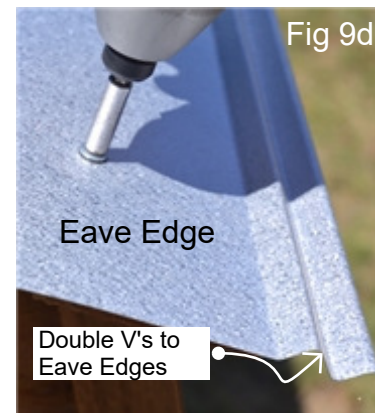


Fig 9d

Full Width Sheets
On Back Side

Screw Line

Cut Piece
On Front
Side Under
Back Piece

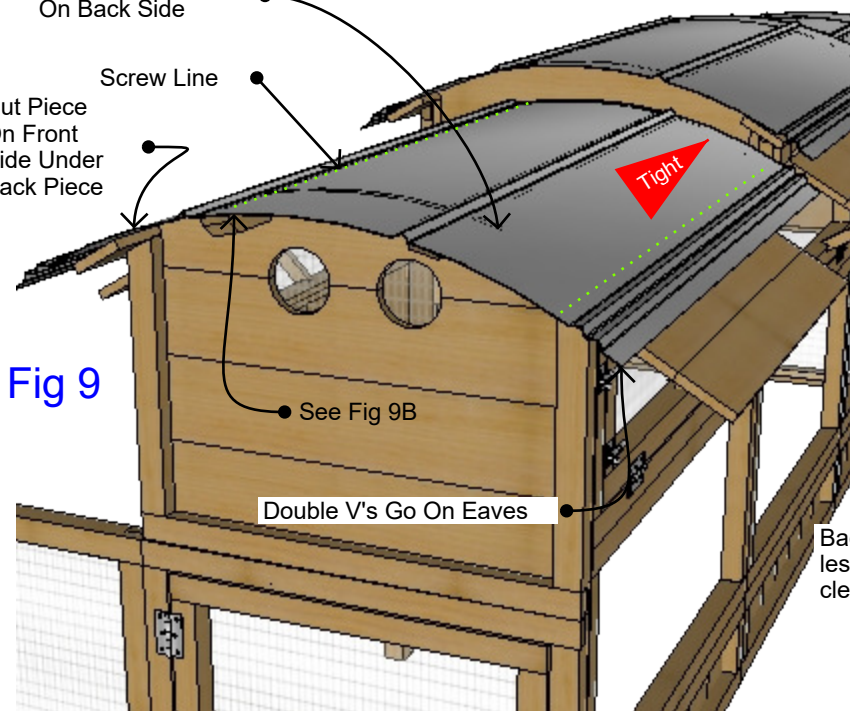


Fig 9

The Procedure For All 3 Sections Is The Same:

1. Lay down back side full sheet with Single-V edge just overlapping front B12 support as shown in Fig 9a and 9b. Keeping edges straight, attach back side eave screws as shown in Fig 9d and 9e 1,2,3.
2. While rolling over back full metal roof section place front cut sheet roof metal section under and pin down the Single-V edge of the front partial sheet by installing roof screws 4,5 & 6.
3. Roll down front edge of partial sheet and install screws to hold down to eave.

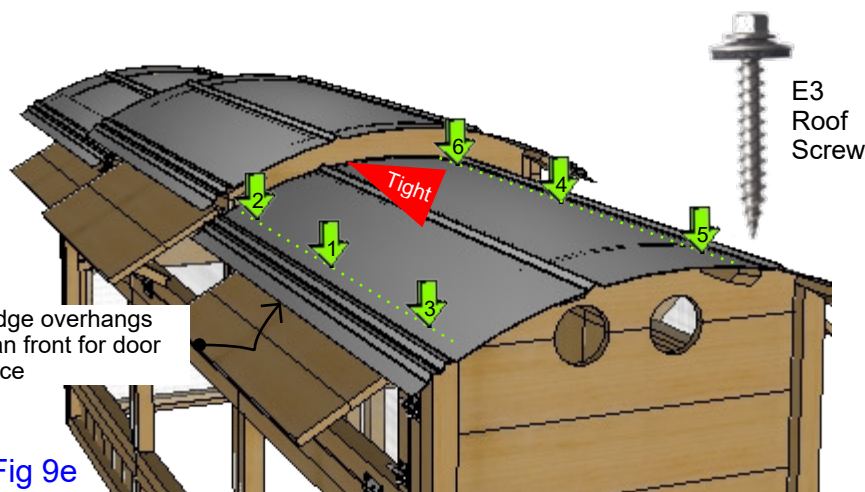


Fig 9e

9.1 Install Outer Roof Panels - There are 3 roof panel sets, they're all the same. A set is comprised of a full sheet and a partial sheet. Full sheets go towards back and partial sheets go to the front. Install outer sections first using figures above as reference. Repeat for other outside section.

Note: Only tighten roof screws just enough to just compress the rubber washer.

9.2 Install Middle Roof Panels - Again, full sheet to back and cut sheet to front, center section to the left and right and using E3 Roof Screws repeat the screw pattern and procedure completed in Step 9.1.

Careful: Edges Of Roof Metal Are Micro-Rolled & Corners Nipped But Sheet Metal Can Still Cut You



Backside full sheets for each section of roof roll down Single-V edge towards front of coop and align on top of and just overlapping the front B12 roof support. The front partial sheets go under the full sheet and an E3 screw pins down both when driven into B12. This procedure is repeated for all three roof sections.



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**Roost Roof Panel
Installation**

**Step
09**

Fig 10a

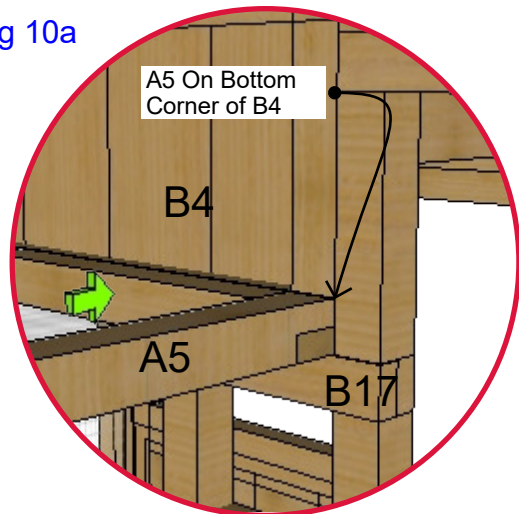


Fig 10b

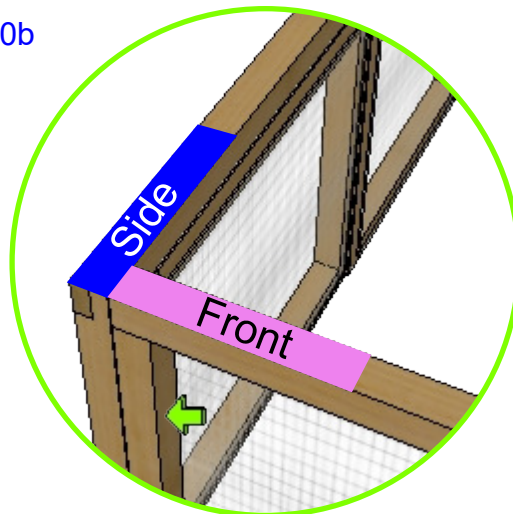
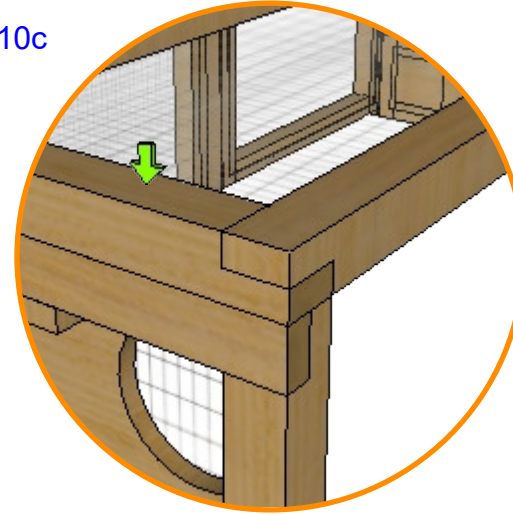


Fig 10c



Check For Level & Adjust
Ground As Necessary

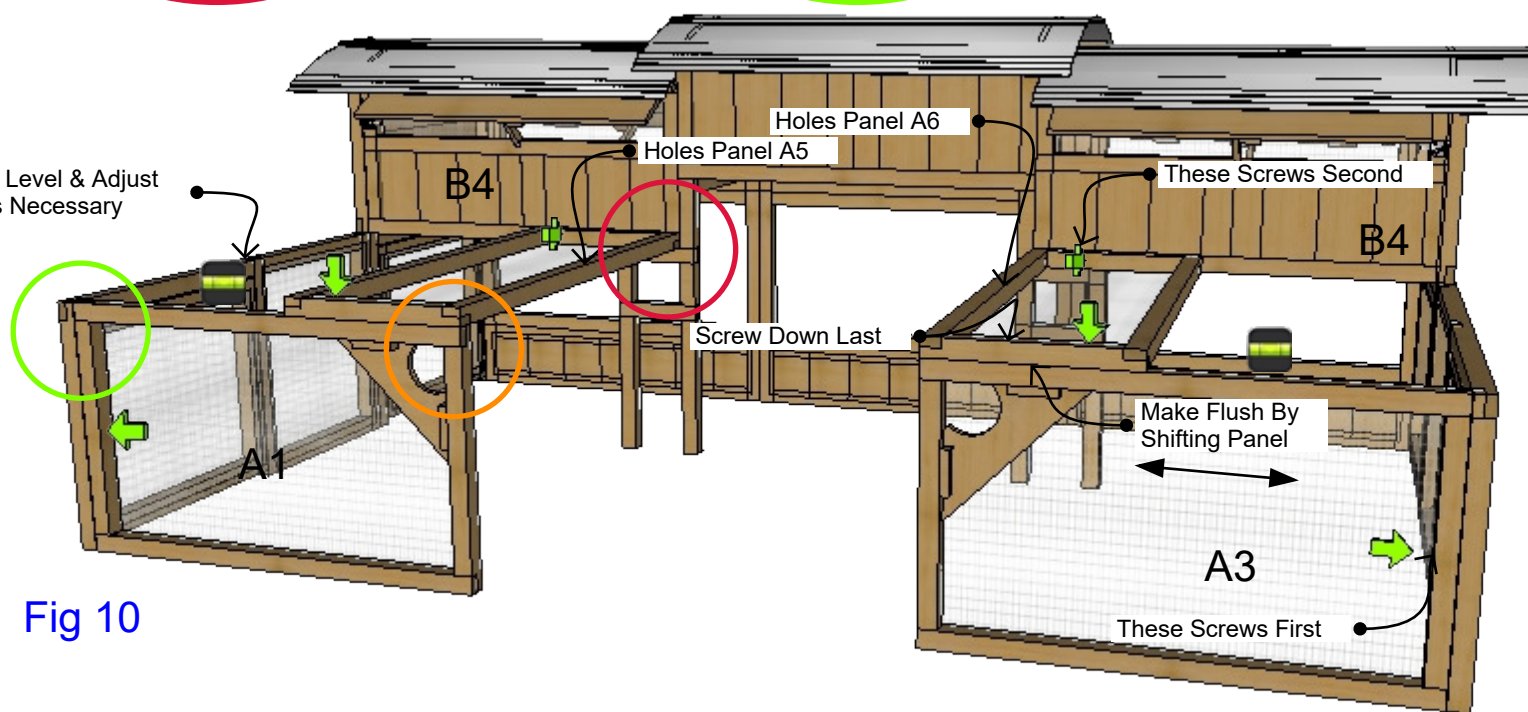


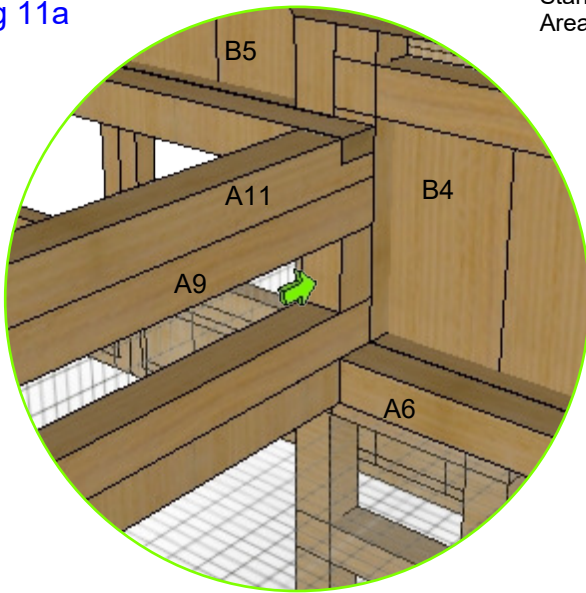
Fig 10

10.1 Attach Front Panels - Using **E1 Brown Screws** attach the **A1** and **A3** front panels to the side panel assemblies as indicated in **Fig's 10** and **Fig 10b**. makes fronts and tops flush. Wire faces inward. Use your leveling device to make sure tops of **A1** & **A3** are level.

10.2 Attach Inner Run Top Panels - Rest the outer edges of **A5** & **A6** Inner Run Top Panels onto the **A1** & **A3** Run Fronts and using **E1 Brown Screws** attach the back side of **A5** & **A6** to the bottom inside corners of **B4** Panels as illustrated in **Fig 10a**. Wire faces down and make sure edge with pre-drilled holes are facing to the middle of run.

10.3 Shift Run Front Then Lock Down - Move the **A1** & **A3** front to back and left to right until the front edges of tops and front are flush with the **A5** or **A6** Panel and then drive **E1 Brown screws** down through **A5** & **A6** into tops of **A1** & **A3** locking the run together, **Fig 10c**.

Fig 11a



Stand In These Open Areas For Roof Screws

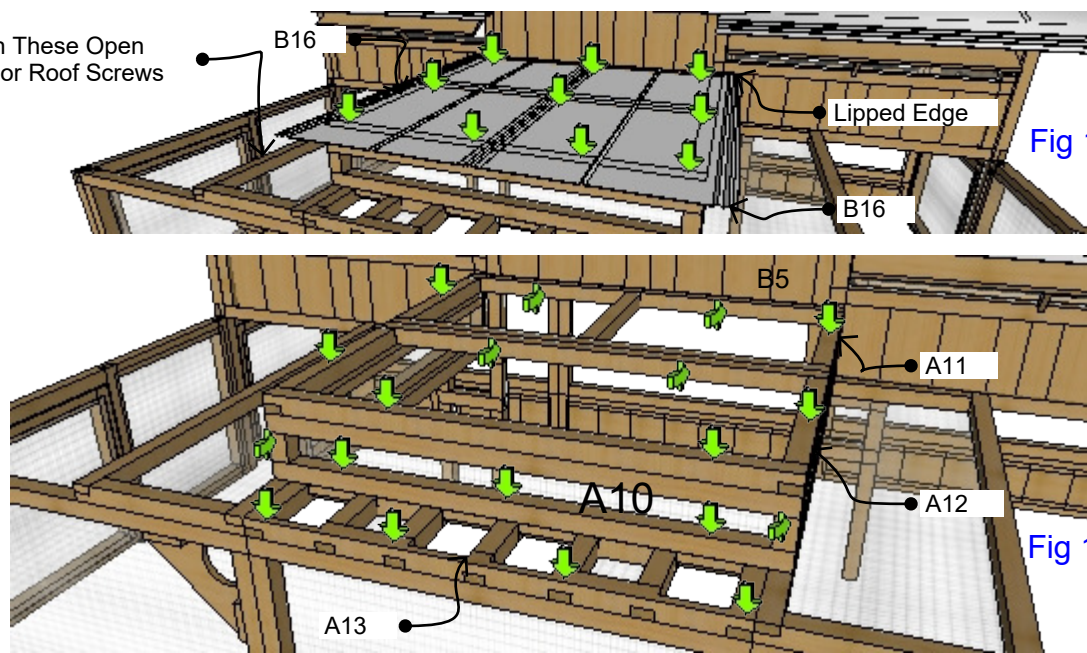
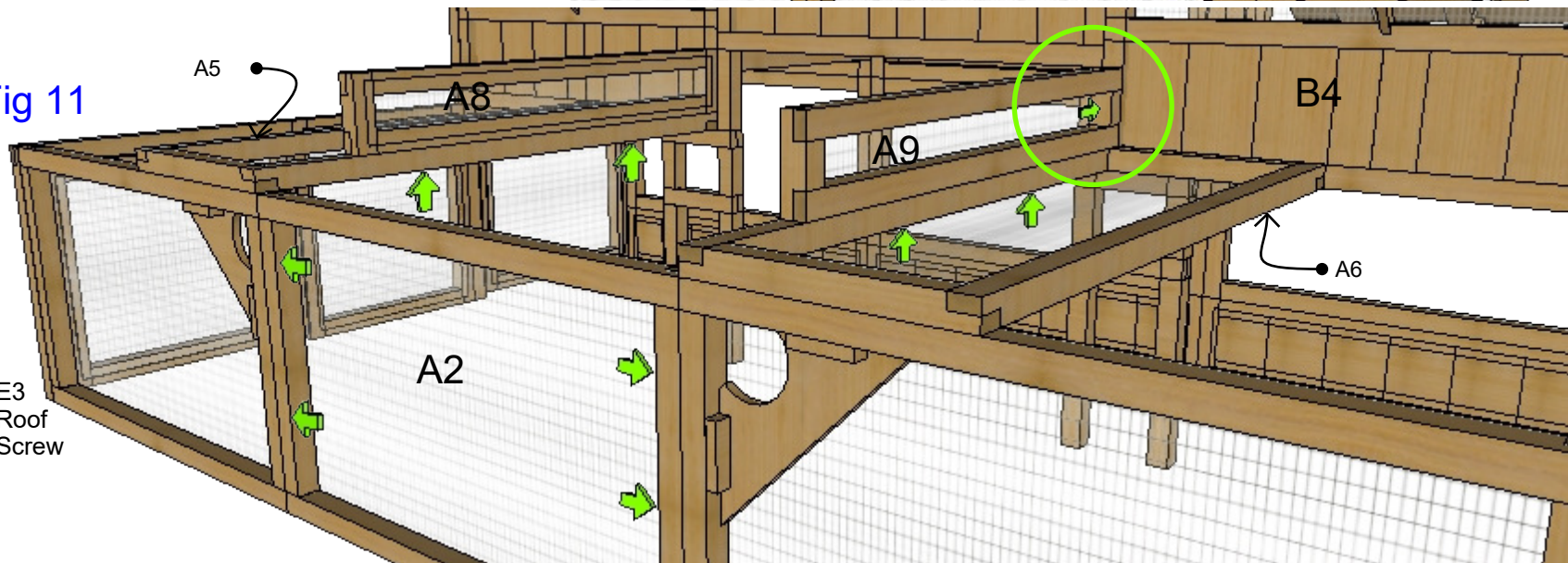


Fig 11b

Fig 11c

Fig 11



E3
Roof
Screw

11.1 Attach Run Roof Sides - Using Fig 11 and Fig 11a, Use E1 Brown Screws and attach the A8 and A9 panels as indicated driving screws up through bottom sides of A5 & A6 into the A8 & A9 Sides and back side screwed into bottom inside vertical rails of B4's. Next place front panel A2 in (wire side in) and attach using E1 Screws as indicated, making sure its flush.

11.2 Finish Run Roof Frame - Attach the A10 Front Panel and A13 Feed Holder Panel as is shown in Fig 11c using E1 Brown Screws. By stepping into open areas of run, Set the A11 and A12 Roof Frames as indicated in Fig 11c using E1 Brown Screws. Make sure back of A11 panel is screwed into bottom rail of the B5 Middle Panel. Make all edges flush.

11.3 Screw Down Roof - Attach the B16 Roof Metal (see Fig 11b) using E3 Roof Screws with (i) larger lipped sides outward and (ii) rolled up lip back edge against roost. Use a screw in all pre-drilled holes tightening just enough to push against rubber washer without crushing it. You will have to stand in the open areas of run.



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Run Roof Section

Step
11

Note: You Will Need To Lift Top A Little To Clear Bottom Loop.

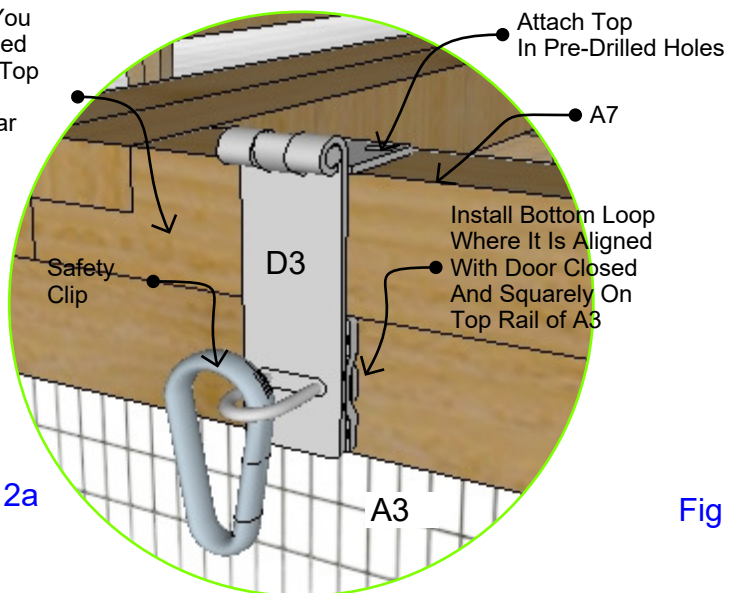


Fig 12a

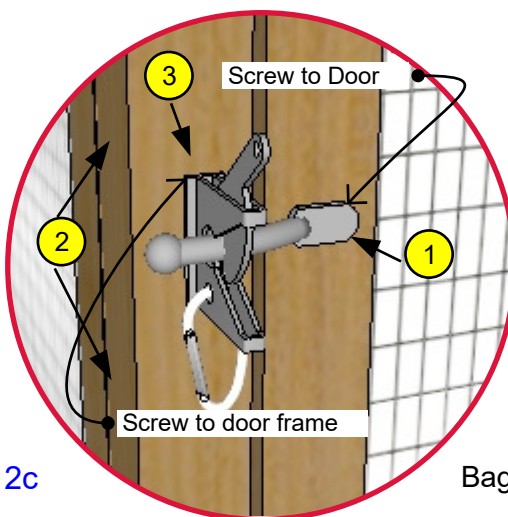


Fig 12c

Images Are Illustrative. Your Hardware Will Look Slightly Different.



Bagged Gate Latch Screws

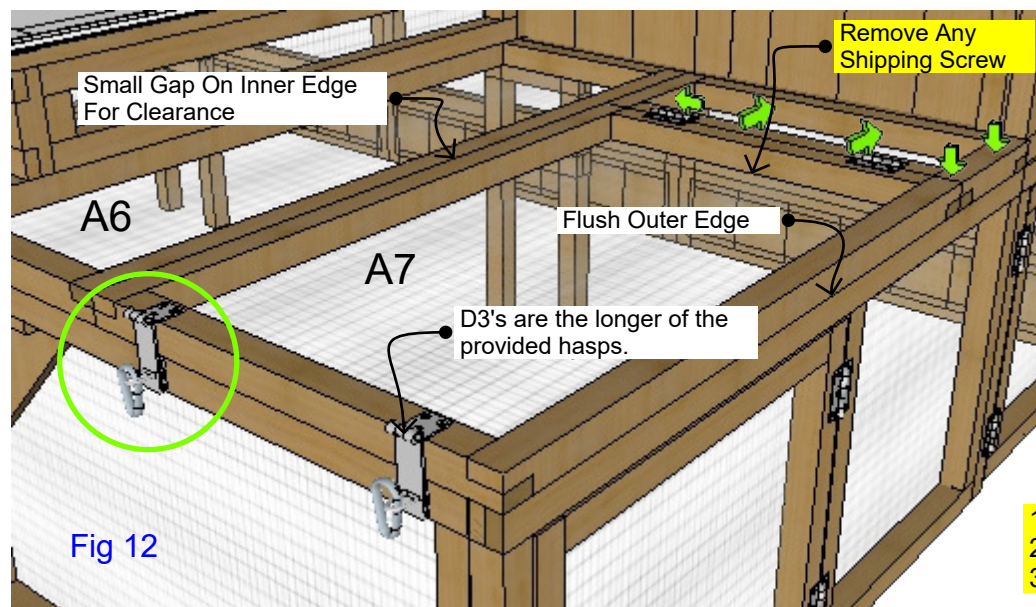


Fig 12

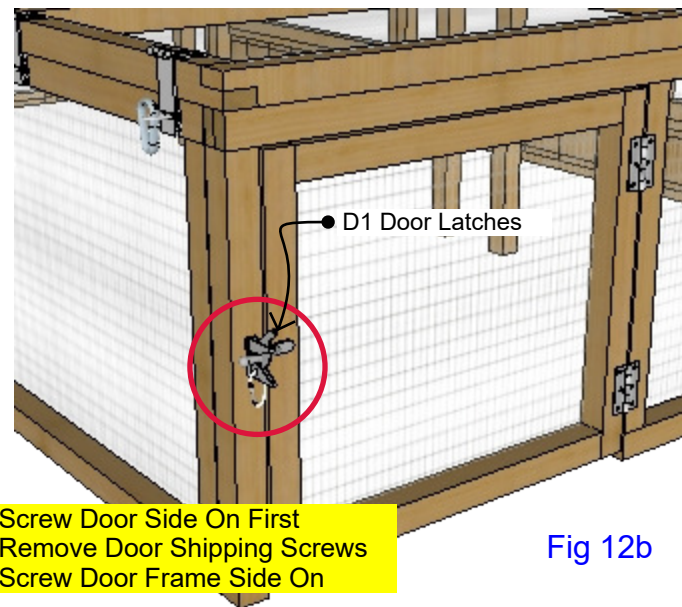


Fig 12b

12.1 Attach Hinged Run Tops - Using **Fig 12** as guidance, attach the back part of panel **A7** with **E1** screws as indicated making sure outer edge is flush with the coop side, even over just a hair to where there is a small gap between **A7** door and **A6** inner panel. Repeat procedure for the other side (**A4** Panel) just thinking in terms of it being mirrored from what is illustrated in **Fig 12**.

12.2 Install Run Top Hasps - As illustrated in **Fig 12a** detail, install four **D3** Run Top Door Hasps (longer ones in kit) as shown using **E5** screws and **G2** Philips bit. Install safety clips when done.

12.3 Install Run Door Latches - As illustrated in **Fig 12c** and **Fig 12b** attach the four **D1** Gate Latches using provided screws into pre-drilled holes on all four side run access doors. First, install door side bolt. Second, remove shipping screws from door frame with T-25 Bit and then making sure alignment for catch on door frame is good, Step 3 is to install door frame latch. Repeat this procedure for all four doors.

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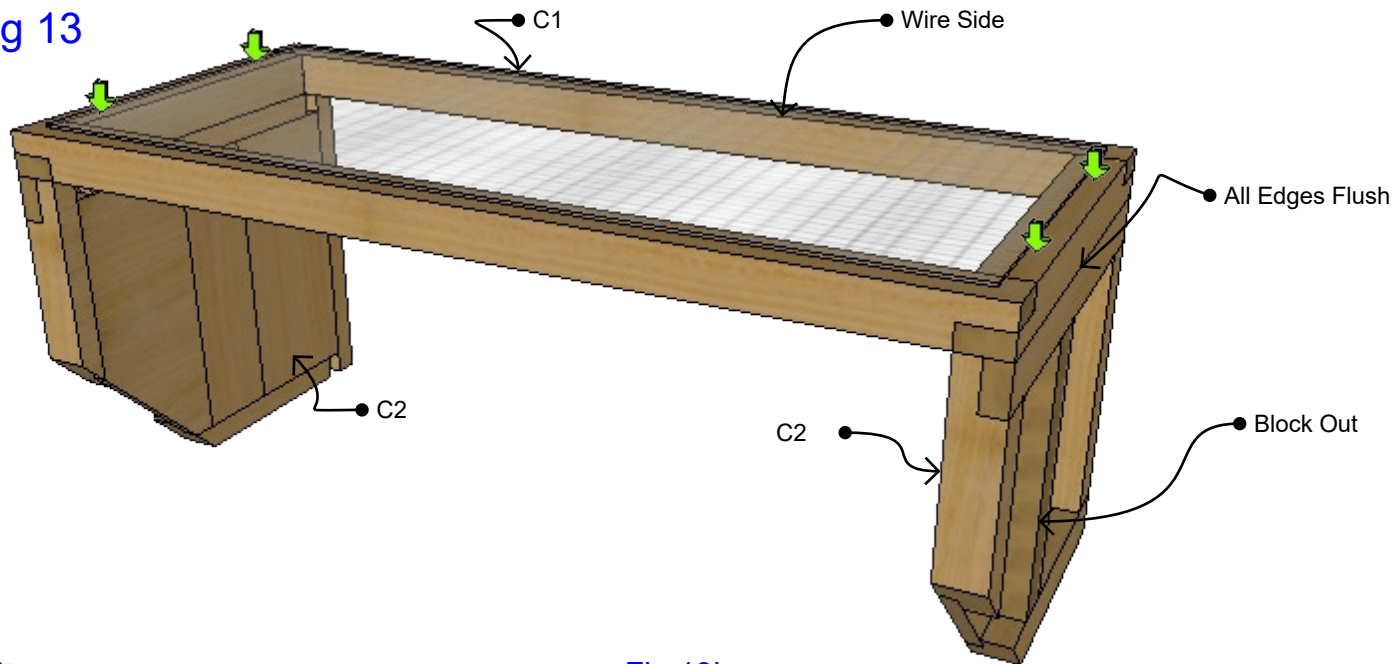
Run Top Outer Lid
Doors & Hardware

Step
12

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Urban Coop Company
Find your inner farmer.

Fig 13



Build Up-Side
Down

Fig 13a

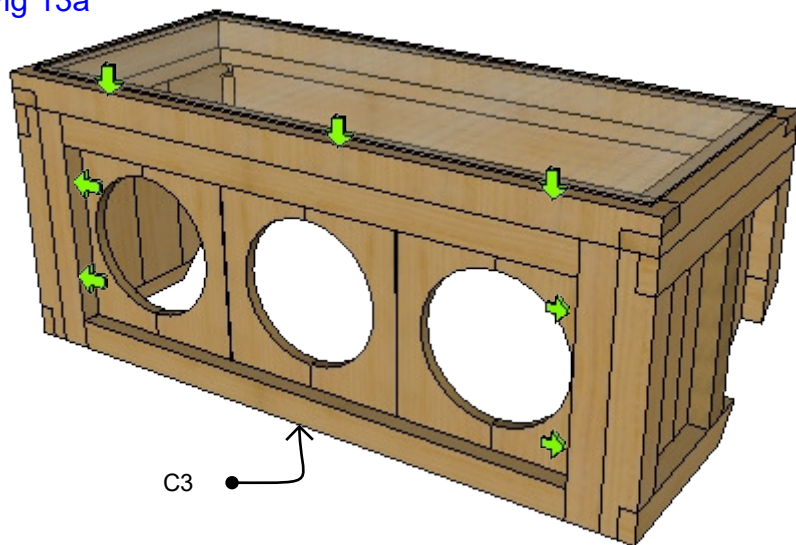
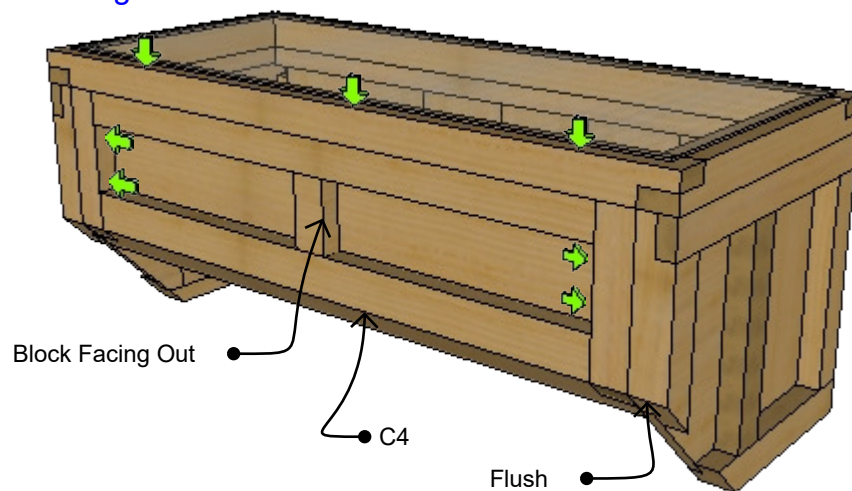


Fig 13b



13.1 Attach Sides to Bottom - Using Fig 13 as guidance, attach Egg Box Bottom Panel C1 to the two mirrored sides C2 using E1 Brown Screws driven from bottom into sides.

13.2 Attach Face - As illustrated in Fig 13a, attach the C3 Egg Box Face between the two sides. If it does not force fit into place, you may need to loosen side screws to make a little room and retighten when done. Use E1 screws as indicated.

13.3 Attach Front - As illustrated in Fig 13b, attach the C4 Front to the assembly making sure top bevel is more or less flush. Use E1 Screws.

Fig 14

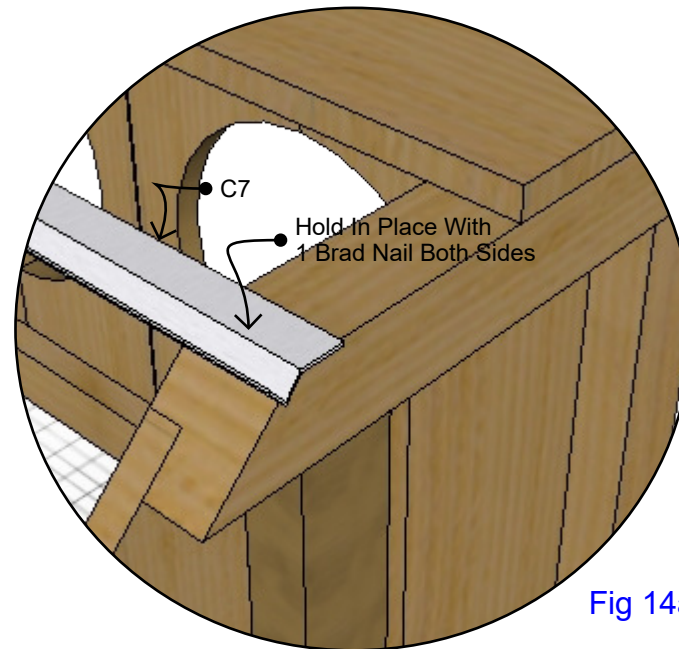
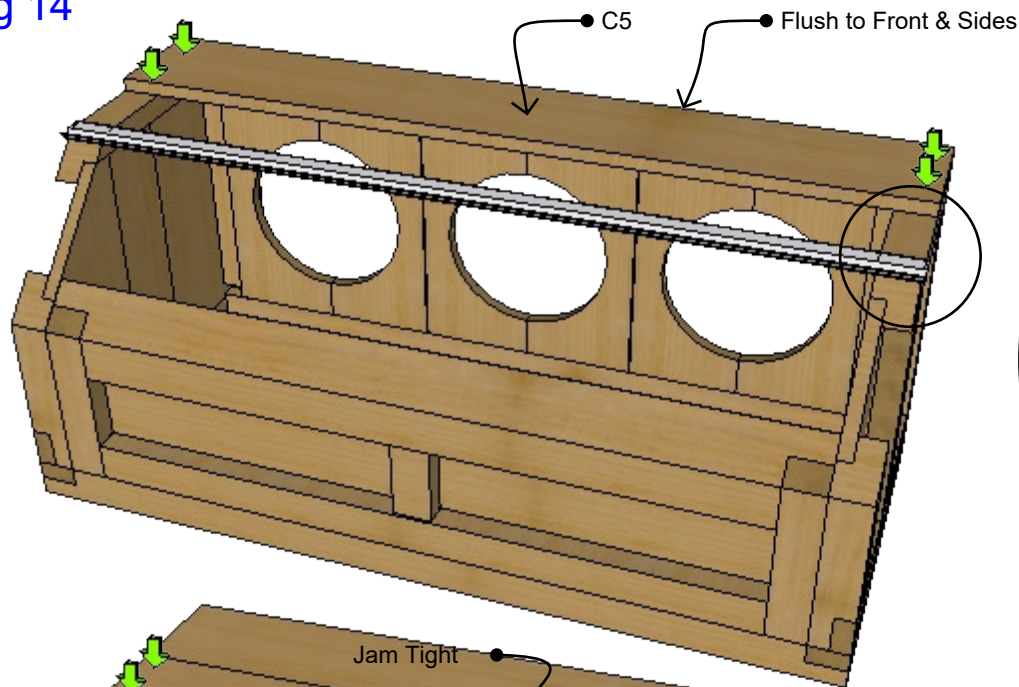


Fig 14a

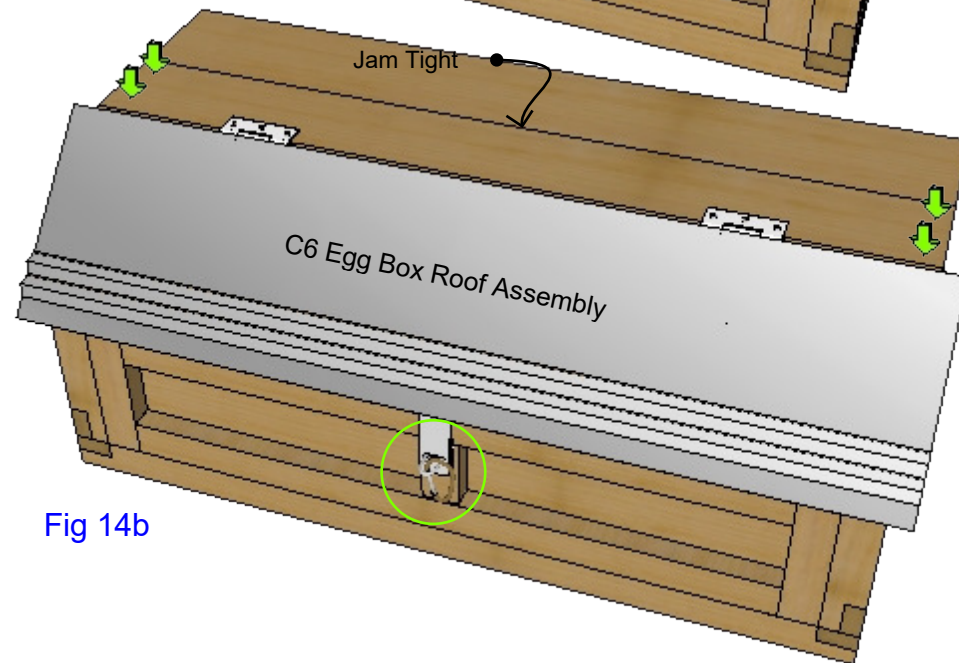


Fig 14b

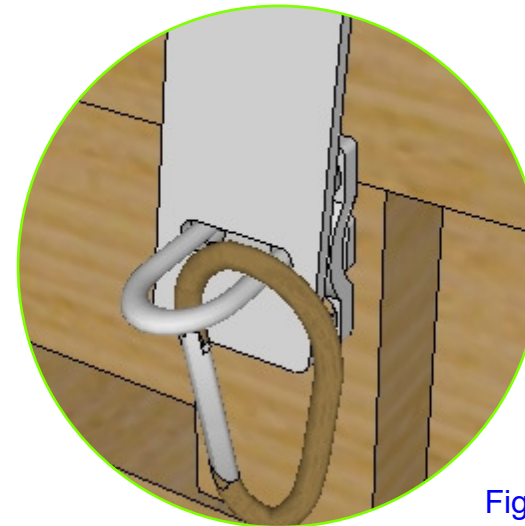


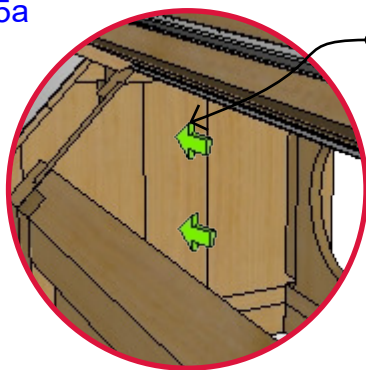
Fig 14c

13.1 Attach Top Board & Flashing - Using Fig 14 as guidance, attach Egg Box Top Panel C5 to the top of the Egg Box Assembly made in prior step using 4 E2 Green T-20 Screws. Flush to front and sides. Using one provided Brad Nail, attach rain gutter flashing C7 as indicated in Fig 14a placing equal left to right.

13.2 Attach Roof Assembly - As illustrated in Fig 14b, attach the C6 Egg Box Roof Assembly equally spaced left to right and with board jammed up against C5 and held in place by 4 E2 Green T-20 Screws.

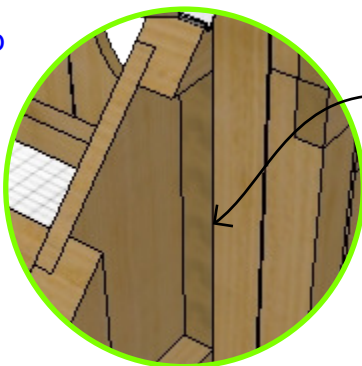
13.3 Attach Hasp - Using E8 Phillips screws, attach Loop Portion of D2 Hasp (shorter ones) as illustrated in Fig 14c. Use safety clip when in service.

Fig 15a



2 E2 Green Screws On Both Sides Hold Egg Box In Place

Fig 15b



Block On Egg Box Side Is Flush With Egg Box Frame



This is a good time to put the roost bars in. Longer of the three bars is in the middle.

Open Roost Doors & Install 3 Roost Bars

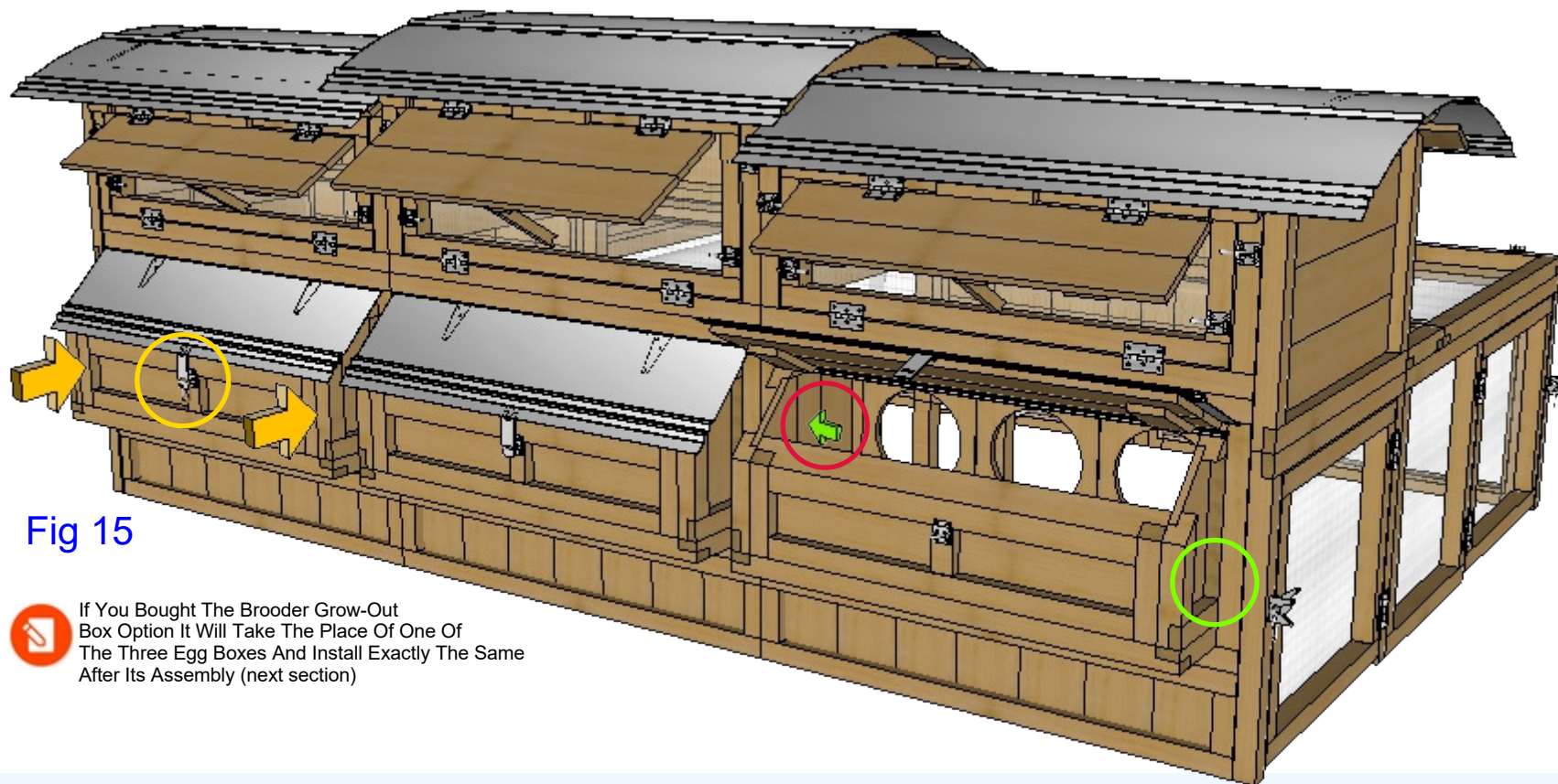


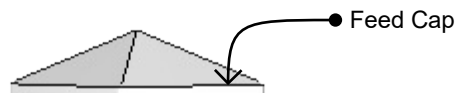
Fig 15



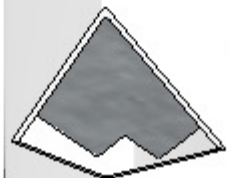
If You Bought The Brooder Grow-Out Box Option It Will Take The Place Of One Of The Three Egg Boxes And Install Exactly The Same After Its Assembly (next section)

15.1 Slide Egg Box Into Receiver - With help if necessary, slide the egg box into the receiver as indicated by the Gold Arrows in Fig 15. Tap, wiggle, and torque as needed to get it in. It is designed to fit tight. Push it in until the block on the sides of the egg box are flush with the receiver frame, as indicated in Fig 15b.

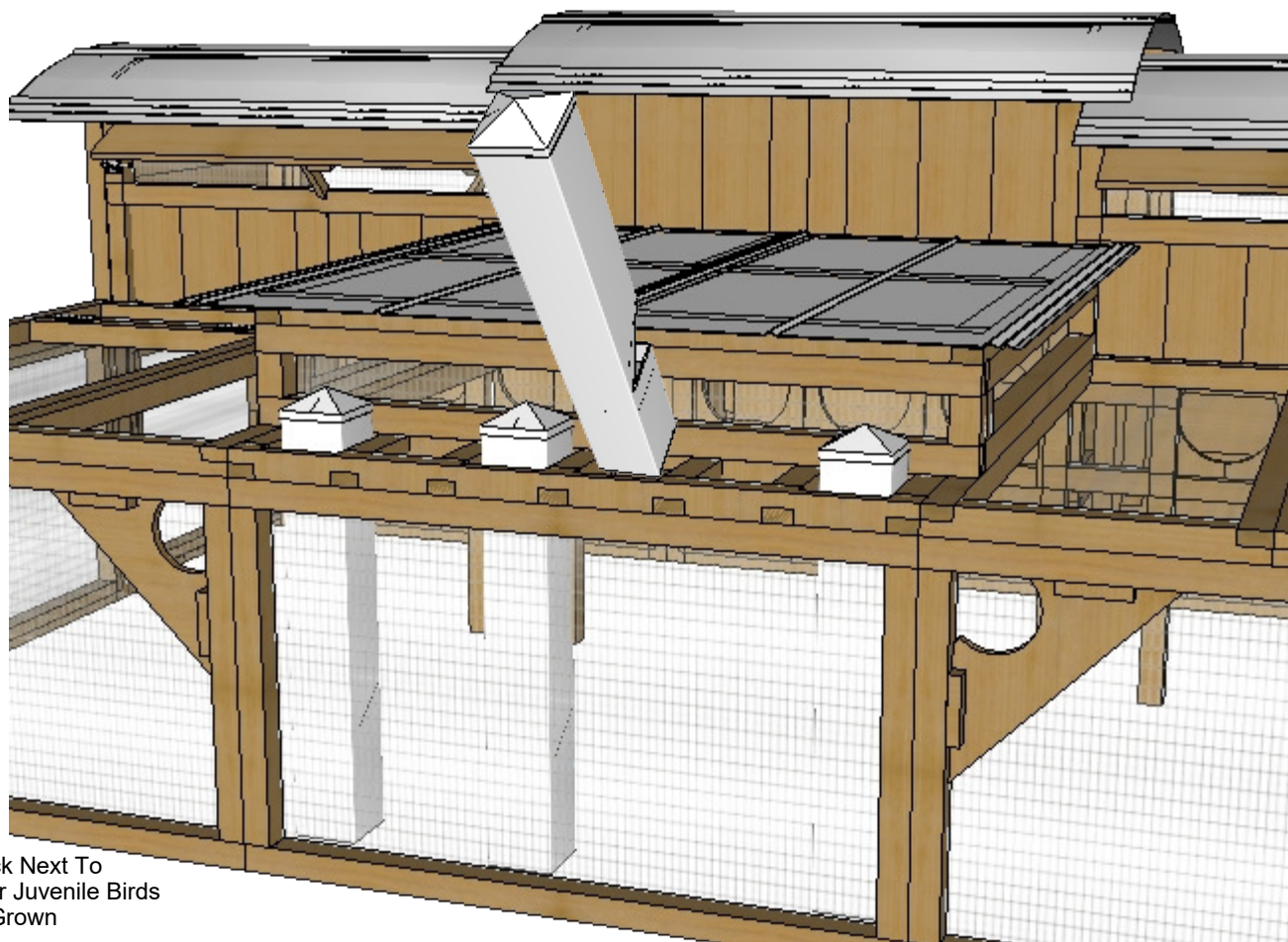
15.2 Attach Box - With the egg box lid up (see Fig 15) use 2 E1 Brown Screws per side and screw through the block on the side of box (from inside the box see Fig 15a) and into the receiver frame. Attach both sides of each egg box in the same way.



The run roof is designed to overhang the feeders to help keep feed dry in the rain. Because of that it is necessary to tilt them to install and remove and you may find it easier to tilt them and pull them partially out to fill with feed.



Place Block Next To Feeder For Juvenile Birds Until Full Grown



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**OPTIONAL EZ-Fill
Feeder²**

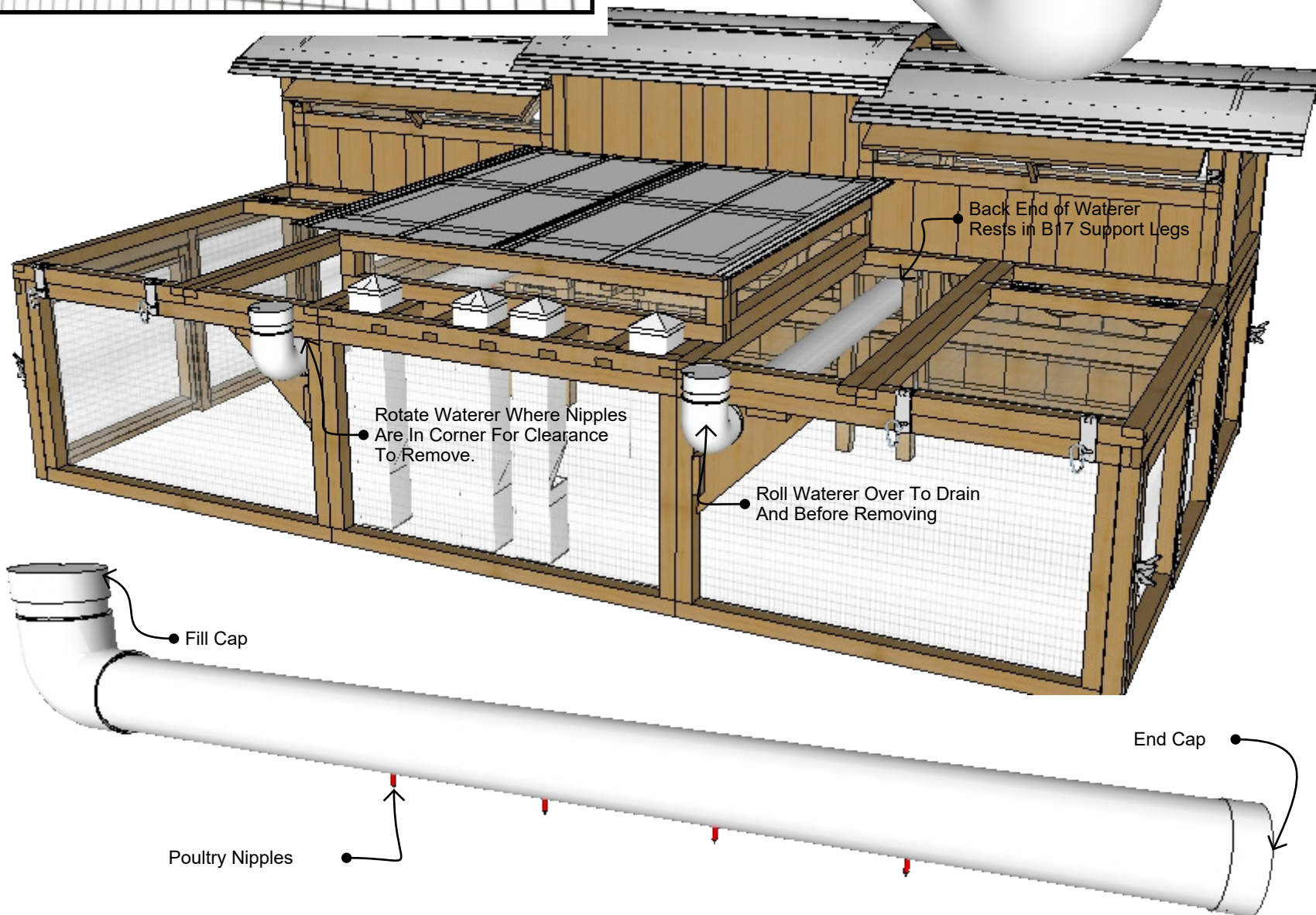
Step
16

Poultry Nipple Installation

1st install rubber grommet into holes. Rotate to seat.

2nd force fit by pushing, the nipple into the grommet. Protect your hand with a towel if needed.

Vent / Cord Exit Slot. If You Use An Immersible Heater To Keep Water From Freezing Cord Exits This Slot



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**OPTIONAL EZ-Fill
Waterers**

Step
17



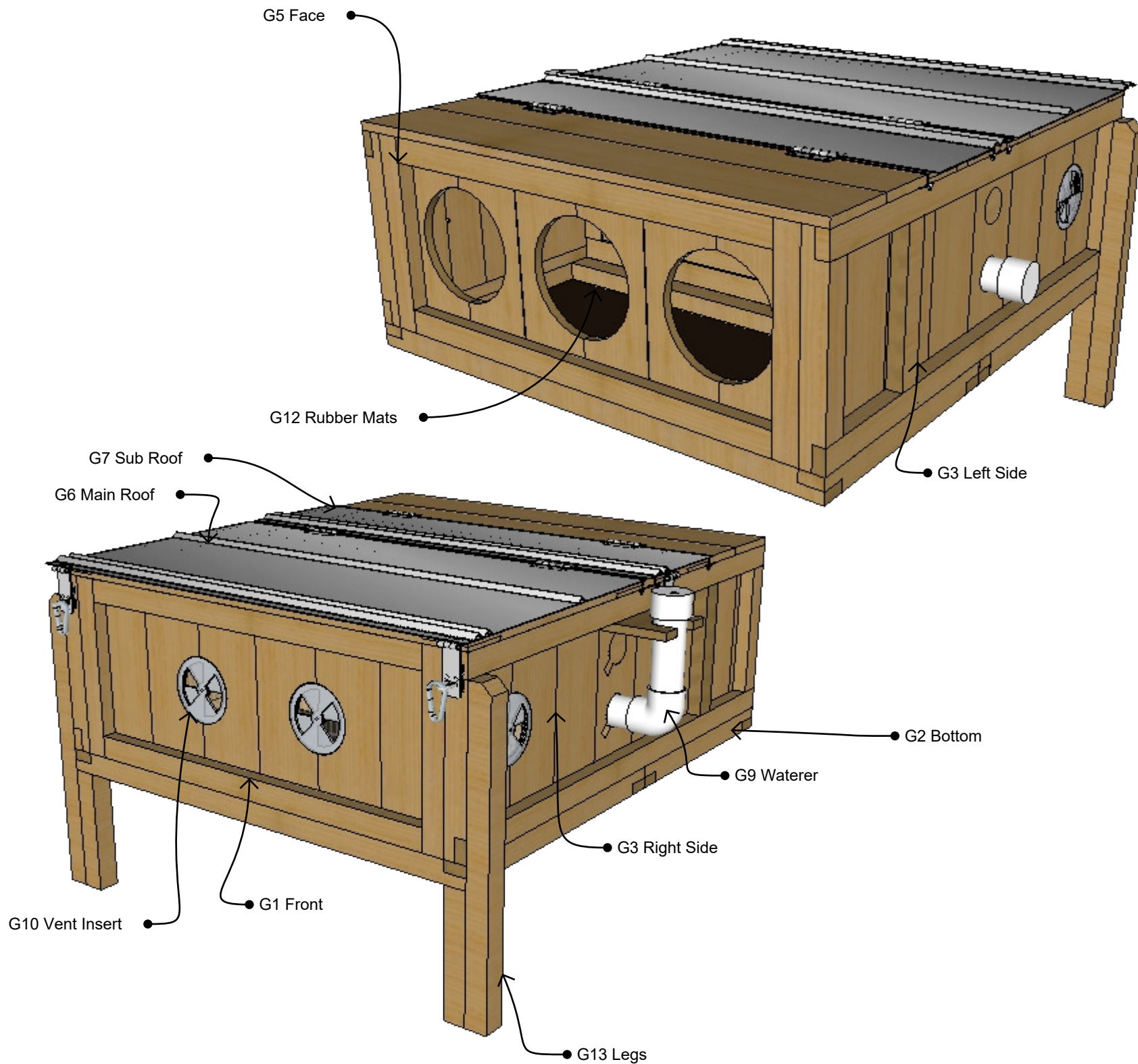


Fig 19

Upside Down

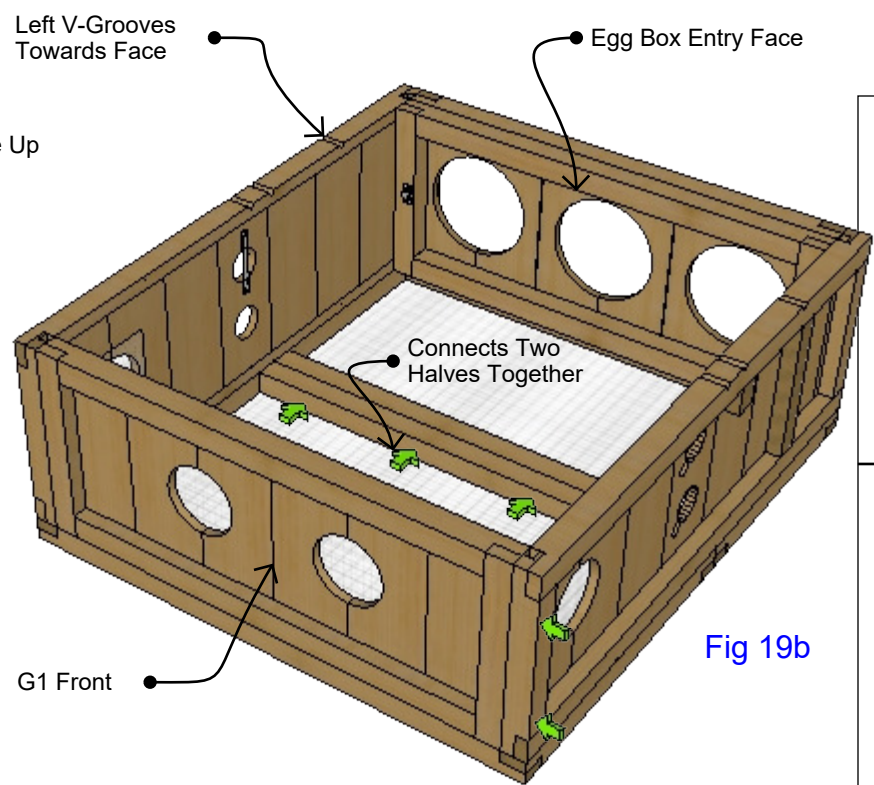
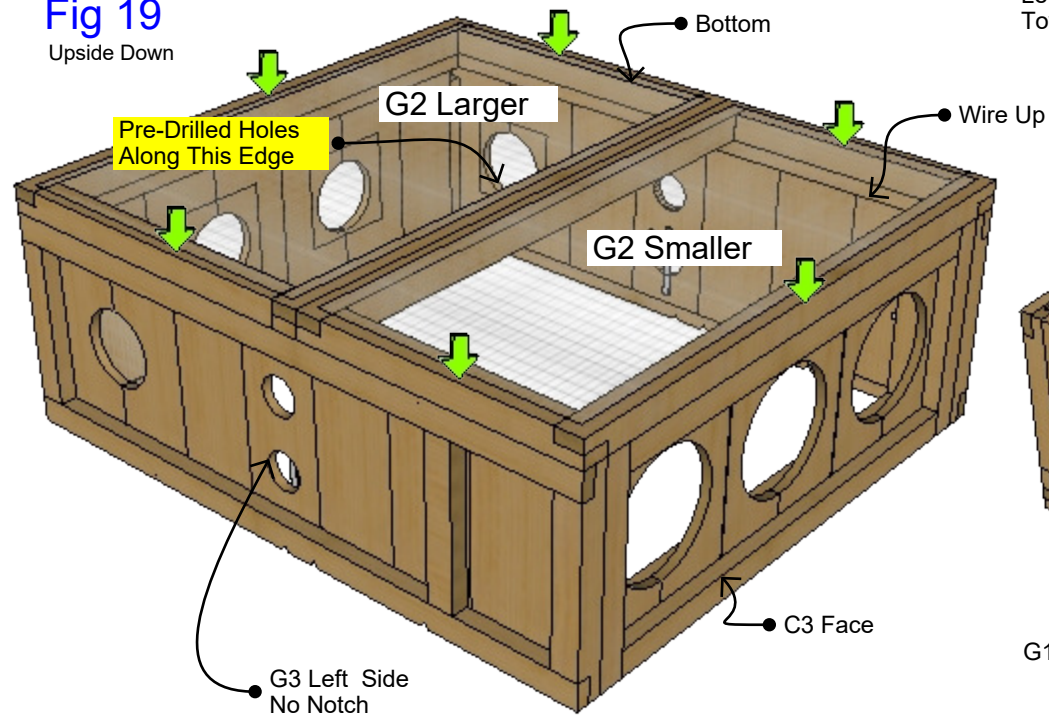


Fig 19b

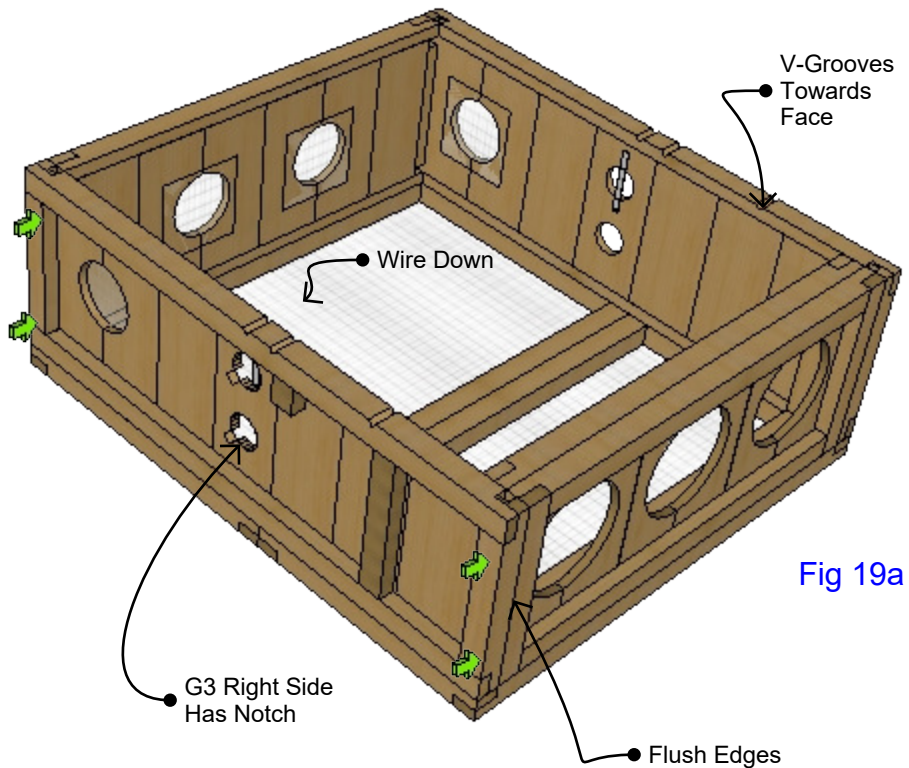


Fig 19a

19.1 Attach Bottom To Sides, Face & Front - Using [Figures 19, 19a, 19b](#) for guidance, place the sides, face and front panels on a flat surface and screw the bottom to the assembly using Brown E1 Screws in pre-drilled holes.

19.2 Screw In Sides - Carefully flip the assembly over, align sides to face and front panels and when edges are flush, use E1 Brown Screws to attach sides to front and face panels. See [Fig 19a](#).

19.3 Connect Bottoms - Using [Fig 19b](#) as guidance, screw the two g2 halves together making sure edges are flush with E1 Brown Screws in pre-drilled holes

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G - Sides & Bottom

Step
19

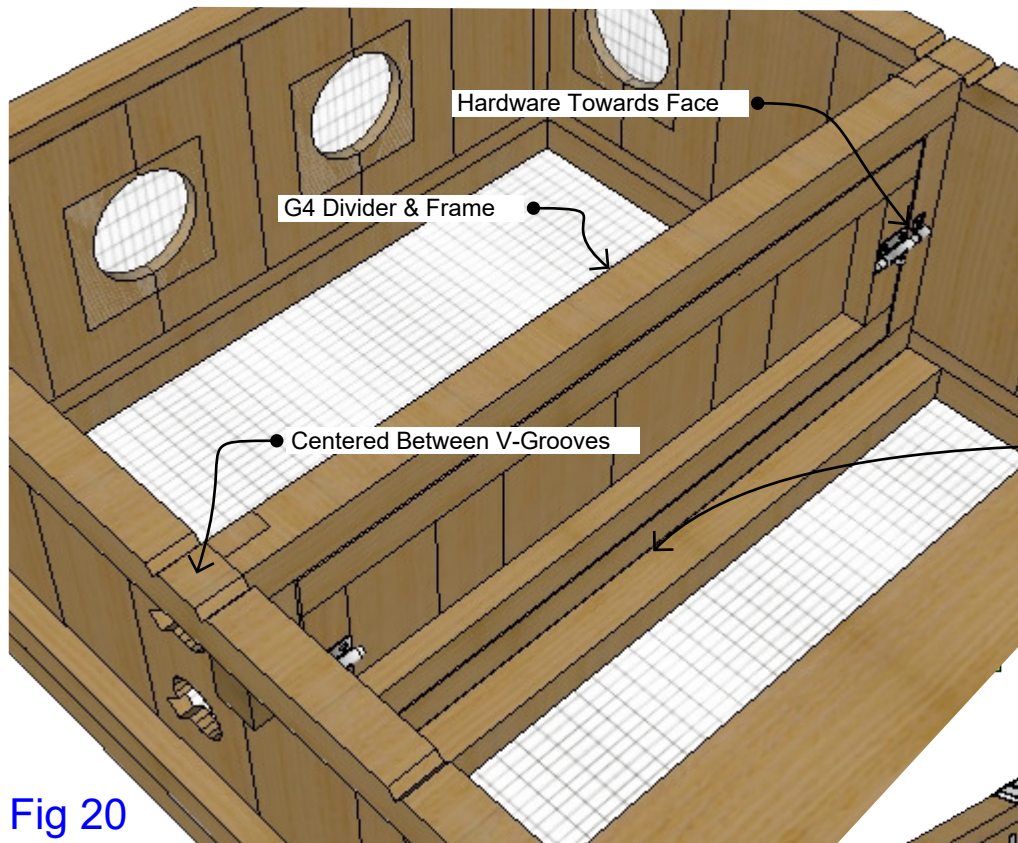


Fig 20

20.1 Install Divider - Using E1 Brown Screws install the G4 Divider as indicated in Fig 20. Stand the box up on its side and drive E1 Screws through the bottom into the Divider Frame as indicated in Fig 20a.

20.2 Install Top Board & Z-Flashing - Using provided brad nails, pin down ends of 3 pieces of C7 Z-Flashing to hold in place, see Fig 20c. Using 4 E2 Green Screws, install C5 Top Board As indicated in Fig 20b.

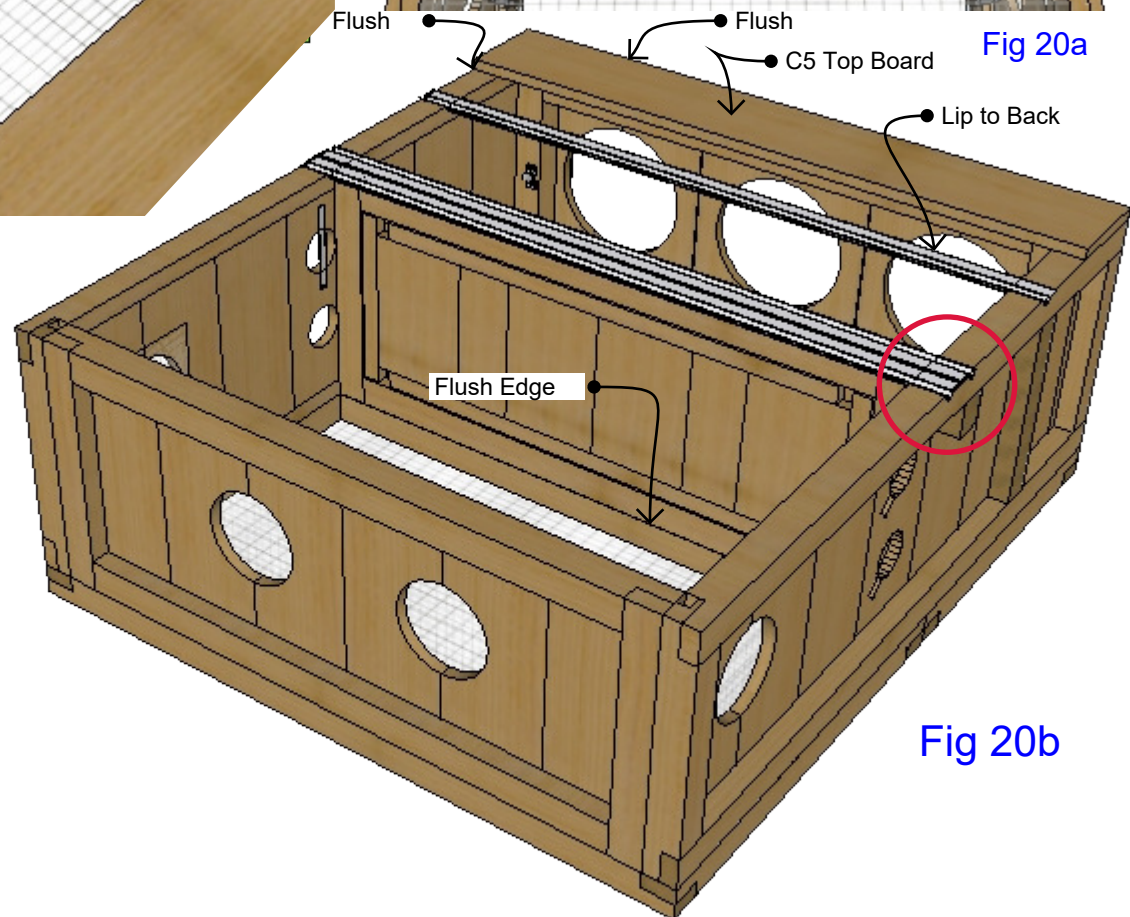
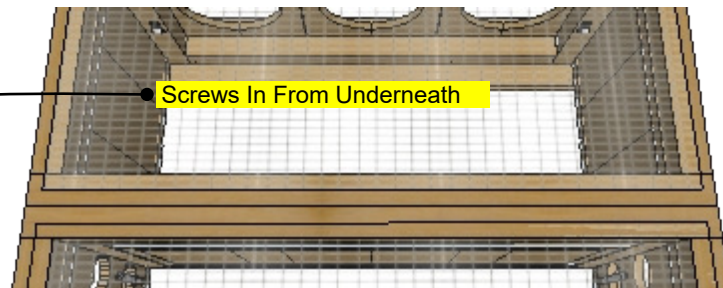
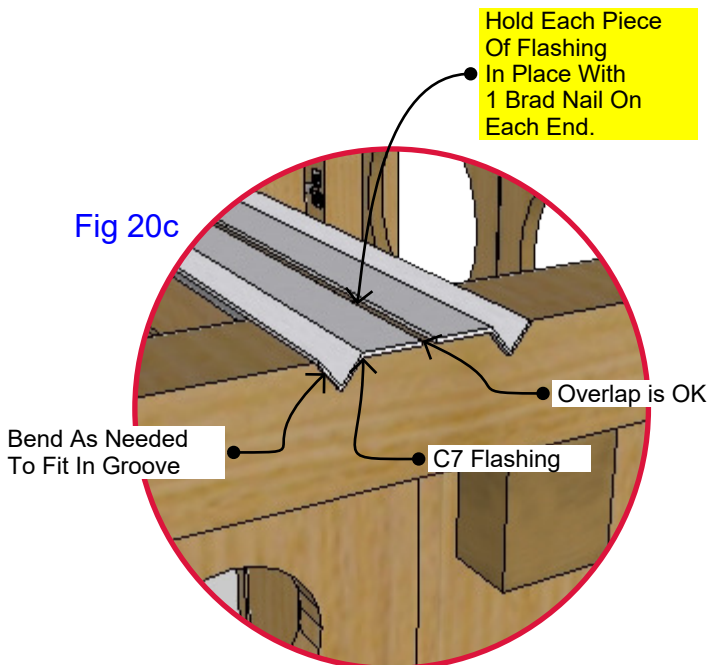


Fig 20b

Fig 20c



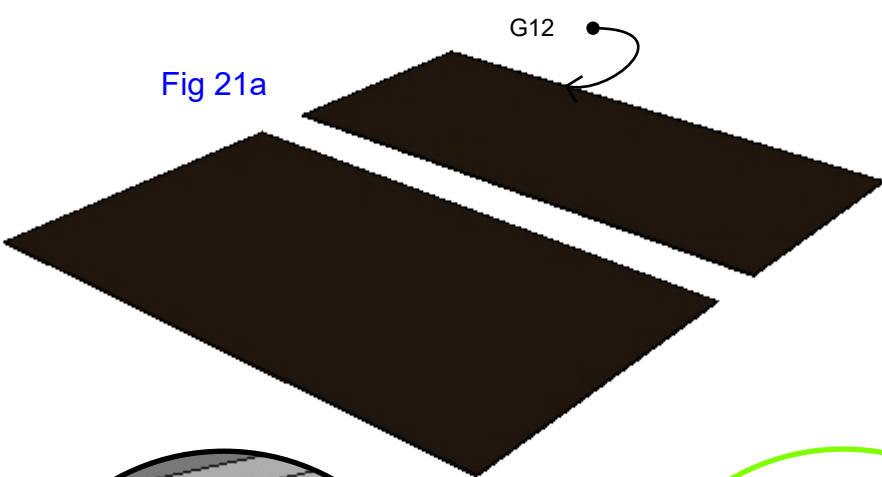
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G - Divider & Flashing

Step
20

Fig 21a



G7

G6

Fig 21b

Fig 21c

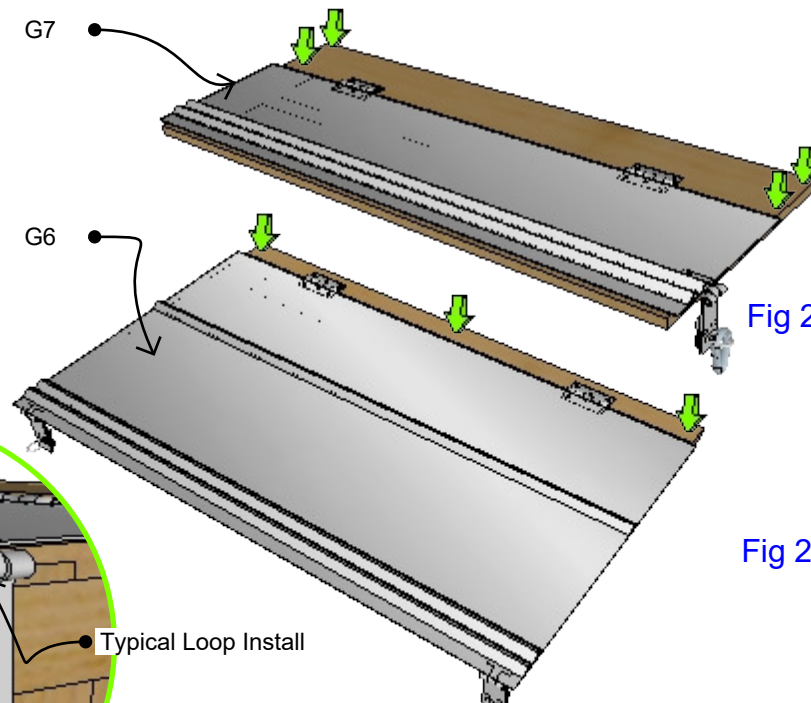
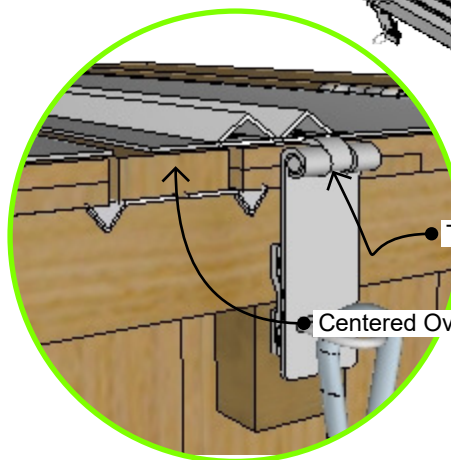


Fig 21e



Typical Loop Install

Centered Over Divider

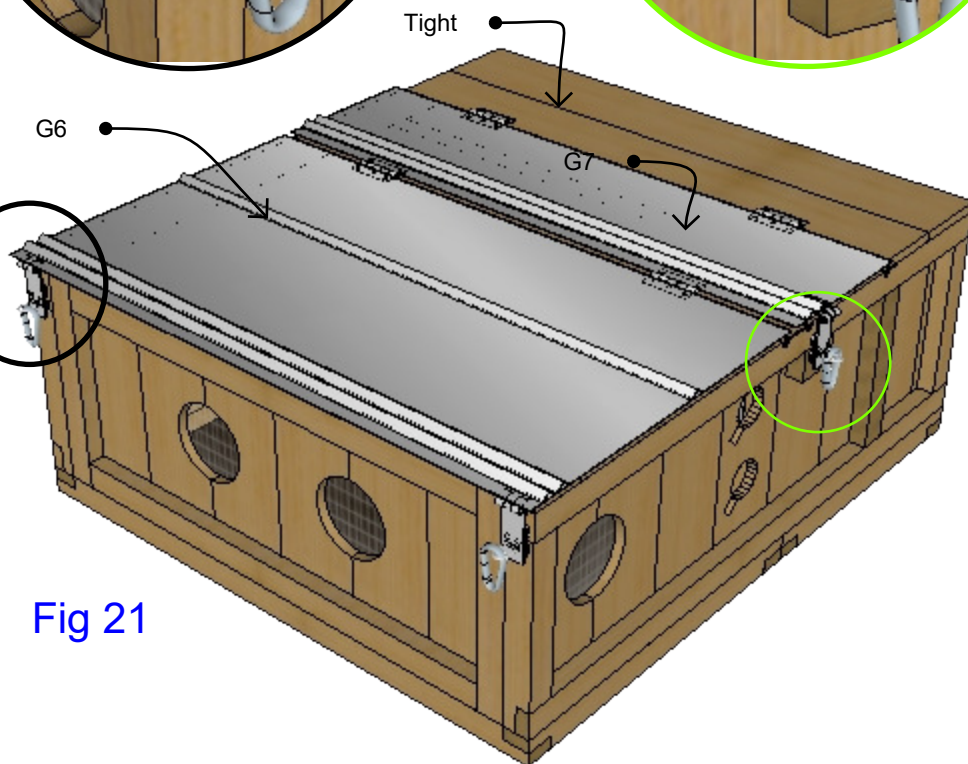
Fig 21d

Tight

G6

G7

Fig 21



21.1 Insert Mats - Place the G12 Brooder Mats **Fig 21a** into the bottom of the brooder box. They are removable, its just easiest now.

21.2 Attach Rear Roof - Using **E2 Green Screws** attach G7 Rear Roof Assembly On to top of Brooder Box jammed up against top board and centered left to right. See **Fig 21**.

21.3 Attach Front Roof Section - Flip up G7 and using **E2 Green Screws** attach G6 Front Roof Section on top of the divider frame centered left to right. See **Fig 21 & Fig 21 b,c,d** for details. Move a little if needed to accomodate clearances caused by wood shrinking and expanding.

21.4 Install Hasp Loops & Clips - Using **Fig 21e & Fig 21d** and your learning from prior steps, install the loop portion of the hasps on the Brooder Box. Install clips to secure roof sections.

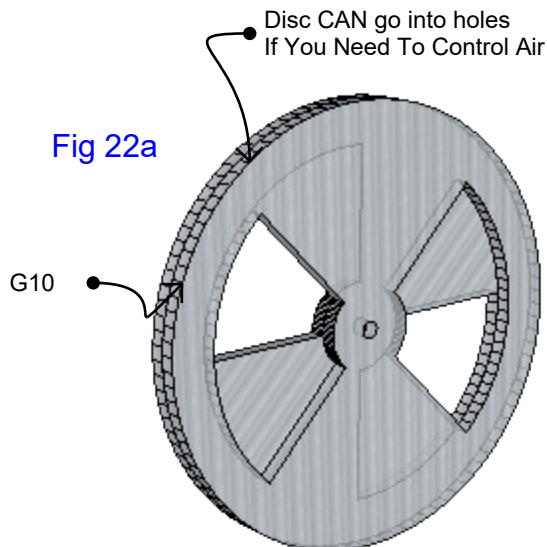


Fig 22a

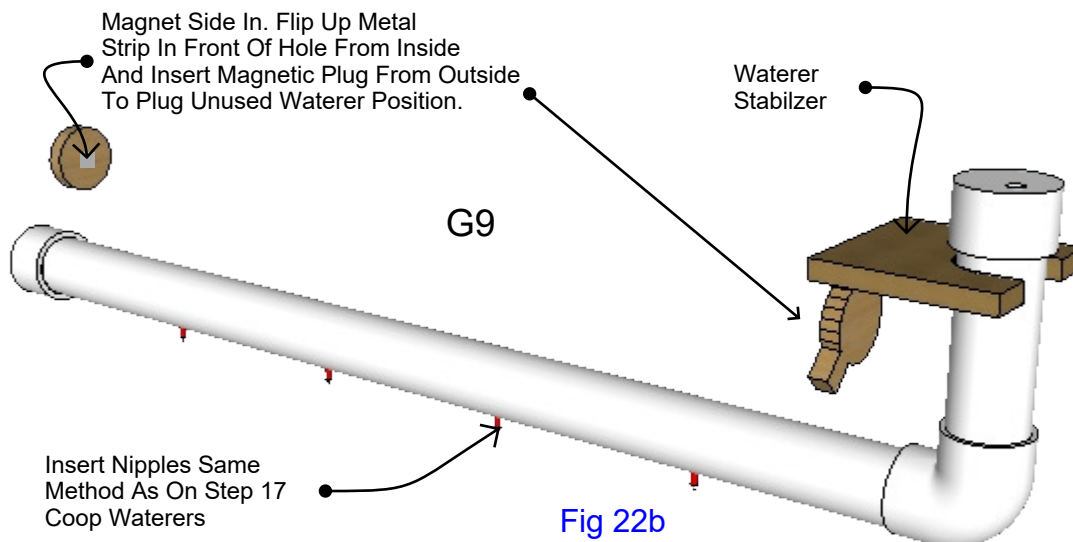


Fig 22b

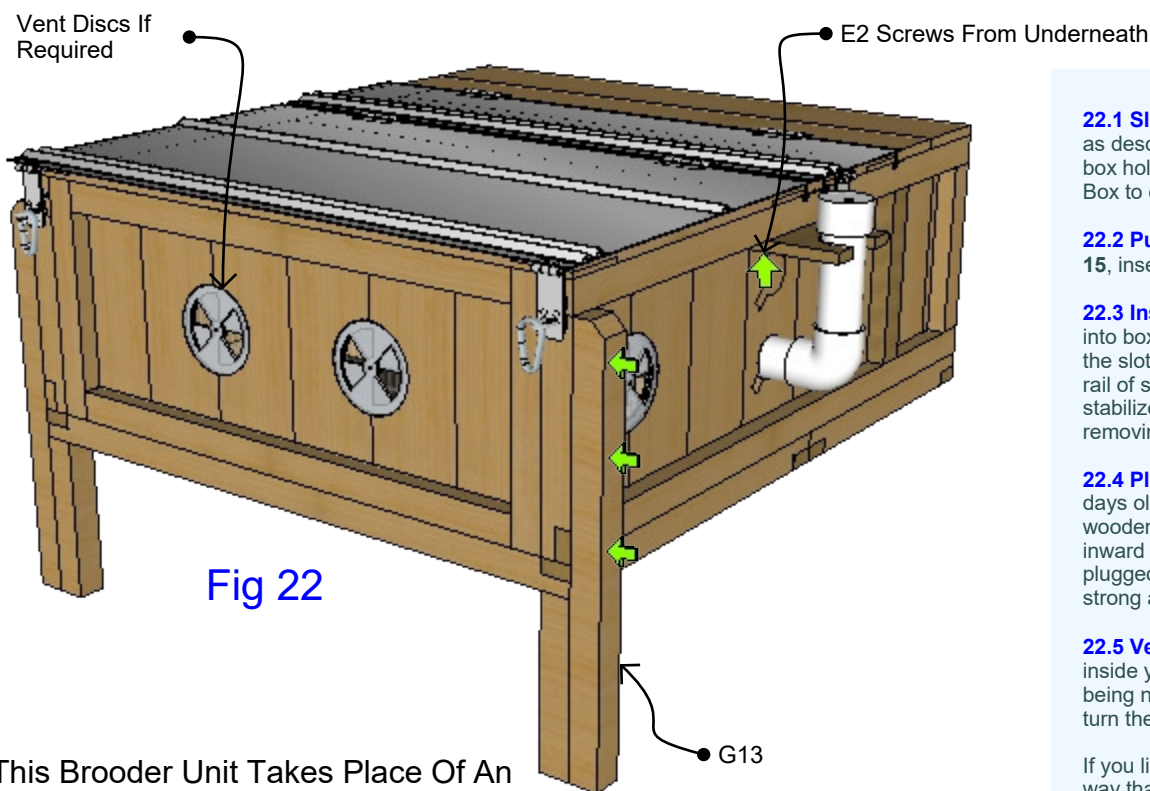


Fig 22

This Brooder Unit Takes Place Of An Egg Box. Best Suited For Back Right Unit. See Step 15 For Insertion Into Coop.

22.1 Slide Brooder Box Into Coop / Attach Legs - Using procedures as described in **Step 15**, insert the Brooder Box into the right back egg box hole and after attaching **G13** Legs with **E1** Brown Screws Brooder Box to coop the same way as an Egg Box from inside front compartment.

22.2 Put Nipples Into Waterer - Using instructions as outlined in **Step 15**, insert the 4 poultry nipples into the Brooder Waterer.

22.3 Insert Waterer Into Brooder Box / Attach Stabilizer : Slip waterer into box as illustrated in **Fig 22** rotating it to where the nipples align with the slots then position fill stem vertically. Position stabilizer bracket under rail of side and using two **E2** Green Screws up from bottom, attach stabilizer so that it will secure waterer from moving side to side. When removing waterer, rotate clockwise to allow nipples to exit the side.

22.4 Plug Unused Holes - Use the lower holes for chicks up to about 4 days old or so and then you will raise to the upper position. Place wooden plugs into unused holes with the embedded magnet facing inward and rotating the metal strip on the inside to the hole that is being plugged and letting plug magnet and bar connect. The magnet is quite strong and the plug will need to be pushed out from the inside.

22.5 Vent Discs - Use a poultry thermometer to ascertain temperatures inside your Brooder Box. Ventilate as needed with the most ventilation being no **G10** Discs installed or you can force them into vent holes and turn them to meter air flow.

If you live somewhere very cold, the lid of the box is designed in such a way that a 3/4 inch thick piece of insulating foam board could be cut and put into the frame on the bottom sides of the roof. It might help to hold in some heat. Conversely, the Galvalume Roof® is quite good at reflecting heat, but the same insulation would improve on that too in direct summer sun if over heating were an issue.

Some things to know about using your new Round-Top Sustain™ Chicken Coop

- (1) 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.
- (2) The roof overhangs the optional feeders so as to help keep them dry in the rain. The trade-off is getting feed into the tops is somewhat obstructed. If you pull feeders partially out and fill at an angle its not that bad and the rain cover seemed worth it to us.

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.

- (3) If you bought the waterer, you will need to rotate it downward to dump the water and then the nipples can fit through the upper corner of the front panel for removal. 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.
- (4) The idea of the Optional Brooder box is that you could incubate a batch of about 25 chicks and grow them out to 10 days or so where a person of normal skill could cull the batch to about half the birds (hens) and finish grow out of about 12 or so birds to juvenile age (8 -10 or so weeks) where they could be introduced to the main pen area with adult birds. You will pretty quickly need to move the divider panel and block off the 3 holed egg box face to give the juvenile chicks room to grow.

The width of the box is designed to have an incubator inside of it and once hatched, used with something like a Brinsea Eco-Glow 20 or Eco-Glow 50 heater.

See our web site for options to keep water from freezing in our waterers.



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Final Page

Step
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