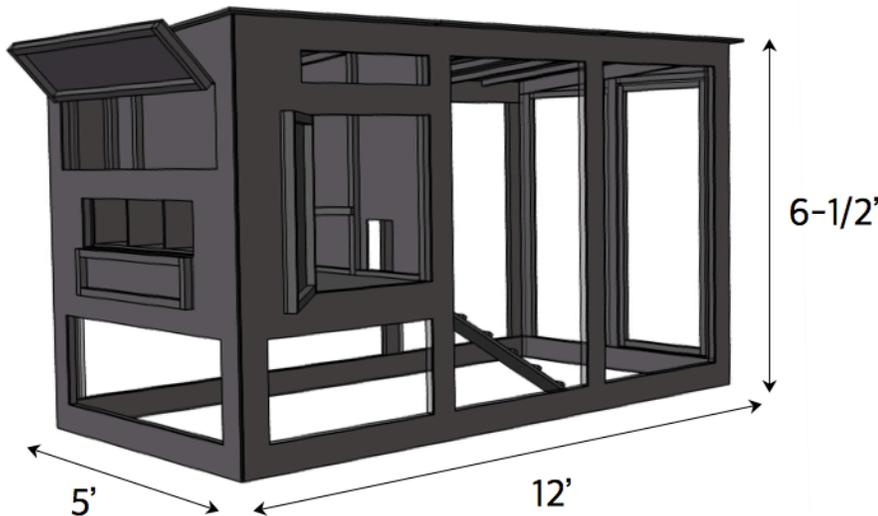


# MODERN CHICKEN COOP

BUILD TIME = 2 WKNS | EST. COST TO BUILD = \$600-800 | SKILL LEVEL = ADVANCED



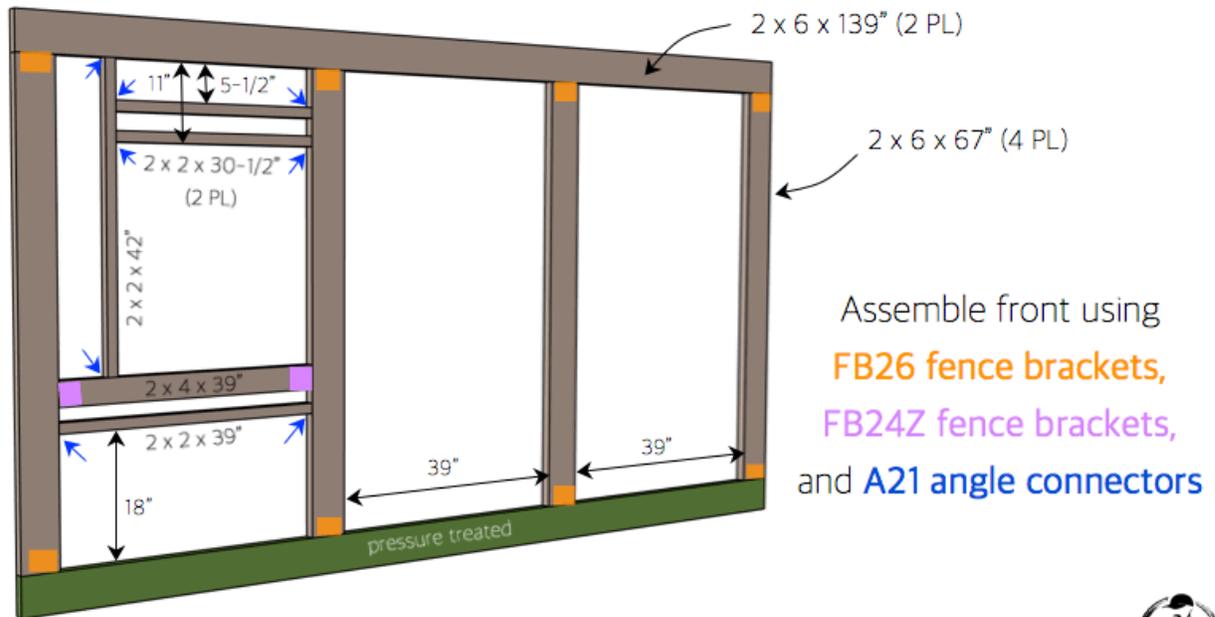
## REQUIRED TOOLS

- Drill / Driver
- Circular Saw
- Miter Saw
- Brad Nailer
- Hammer
- Tin Snips or Power Shears
- Stapler
- Tape Measure
- Pencil
- Safety Glasses
- Hearing Protection

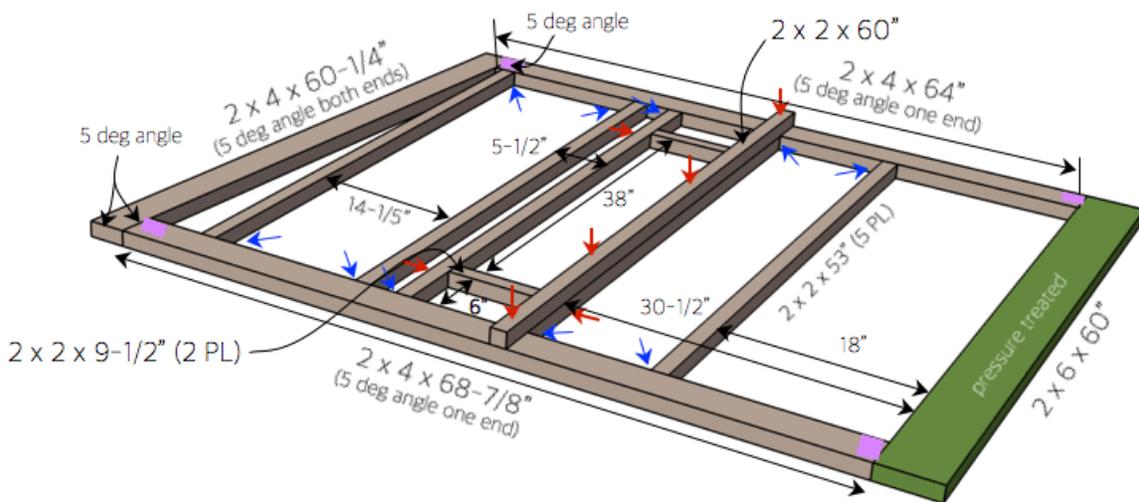
## MATERIALS

- (3) 2 x 6 x 12' Treated Lumber
- (6) 2 x 6 x 12' Untreated Lumber
- (32) 2 x 2 x 8' Untreated Lumber
- (9) 2 x 4 x 8' Untreated Lumber
- 1 x 8 x 6' Cedar Board
- (5) 1/2" x 4' x 8' OSB
- (16) FB26 Fence Brackets
- (12) FB24Z Fence Brackets
- (32) A21 Angles
- (8) RTA2Z Rigid Tie<sup>®</sup> Connectors
- 3/8" Roofing Staples
- 12' Drip Edge
- Roofing Felt
- Roofing to cover 12' wide x 6' long
- Siding as desired (used 30 @ 6-1/4" x 12' Cement Board)
- (4) 1 x 4 x 6' Common board for Corner Trim
- (2) 1/2" x 4' x 25' Hardware Cloth
- (10) Exterior Hinges
- (2) 2-1/2" Strong-Drive<sup>®</sup> SDWS Framing screws (75ct)
- (1) 1-1/4" Deck-Drive<sup>™</sup> DSV Wood Screws (11lb)
- (1) #9 x 1-1/2" Strong-Drive<sup>®</sup> SD Connector Screws (500ct)
- Used on all brackets, angles, and connectors that will not be within door openings or be covered by siding. Used for all RTA connectors.
- (1) 8d x 1-1/2" Strong-Drive<sup>®</sup> Connector Nail (11lb)
- Used on all brackets, angles, and connectors within door openings or to be covered by siding.

# Step 1: Assemble Front



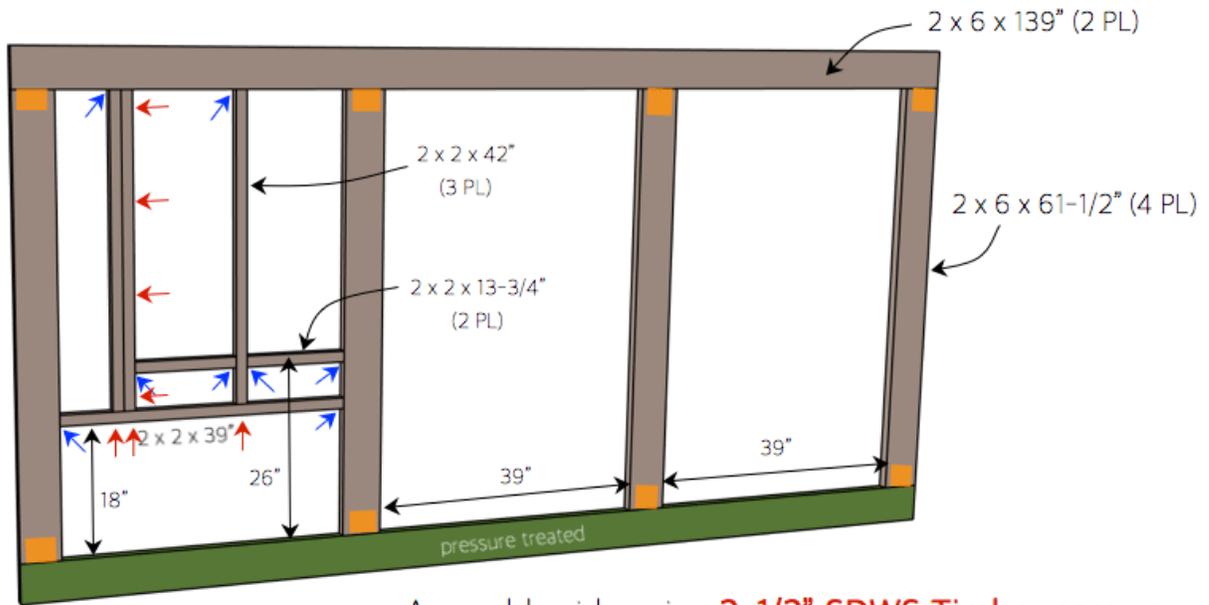
# Step 2: Assemble Left Side



Assemble side using **2-1/2" SDWS Framing screws**,  
**FB24Z fence brackets**, and **A21 angle connectors**



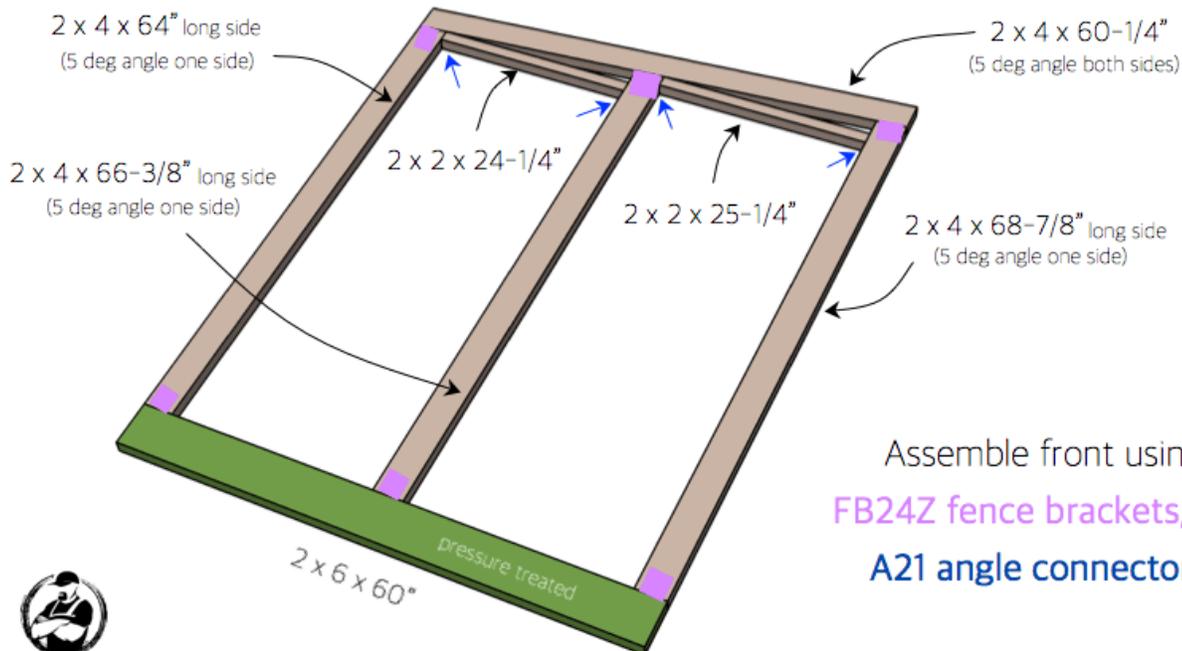
# Step 3: Assemble Back



Assemble side using **2-1/2" SDWS Timber screws**, **FB26 fence brackets**, and **A21 angle connectors**



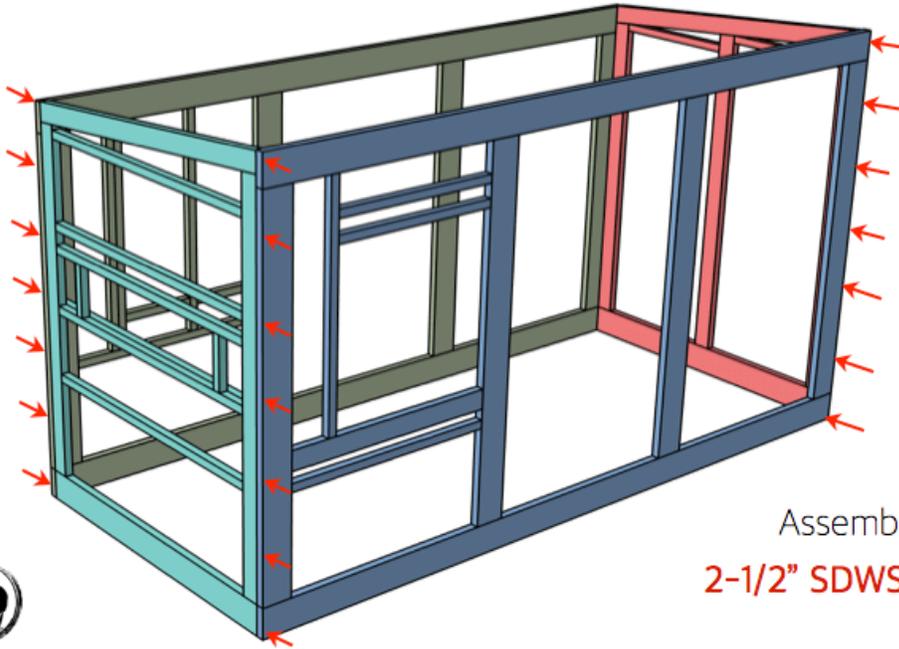
# Step 4: Assemble Right Side



Assemble front using **FB24Z fence brackets**, and **A21 angle connectors**.

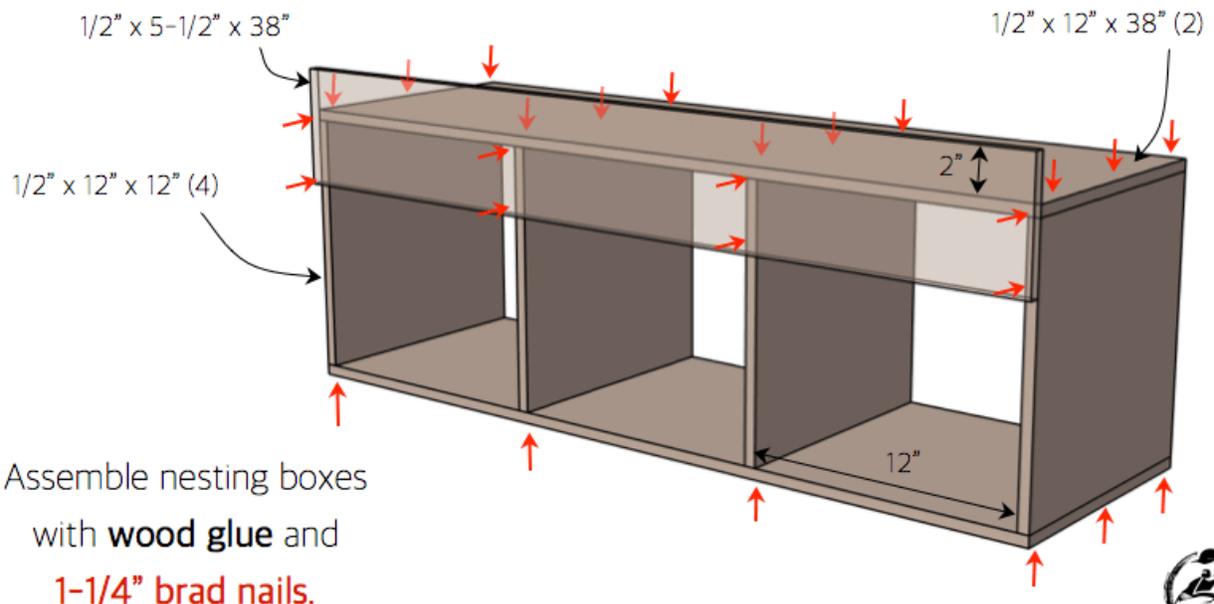


## Step 5: Assemble Sides



Assemble sides using  
**2-1/2" SDWS Framing screws.**

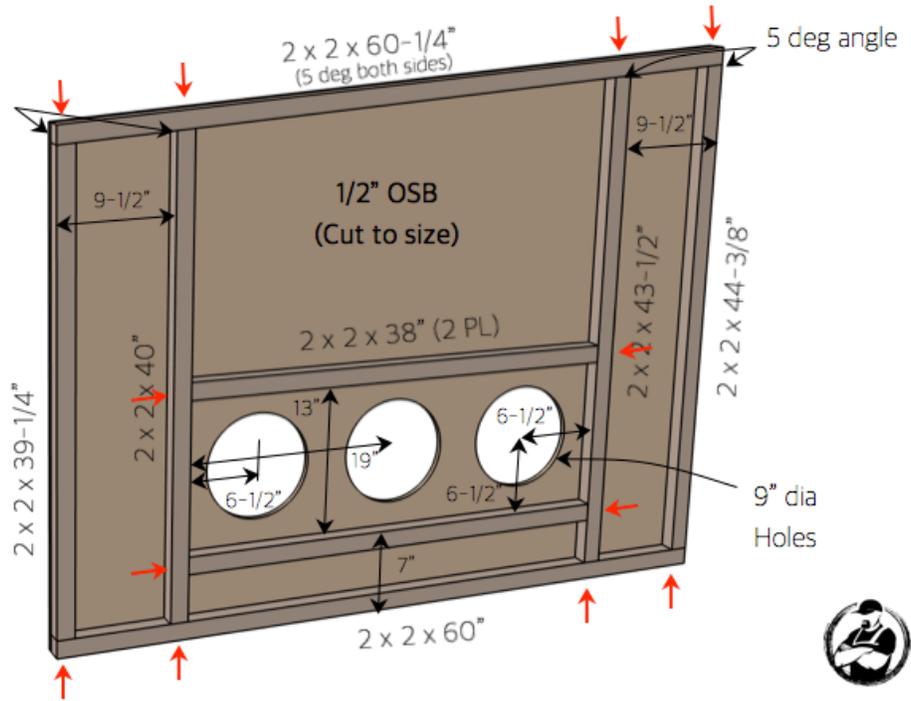
## Step 6: Nesting Boxes



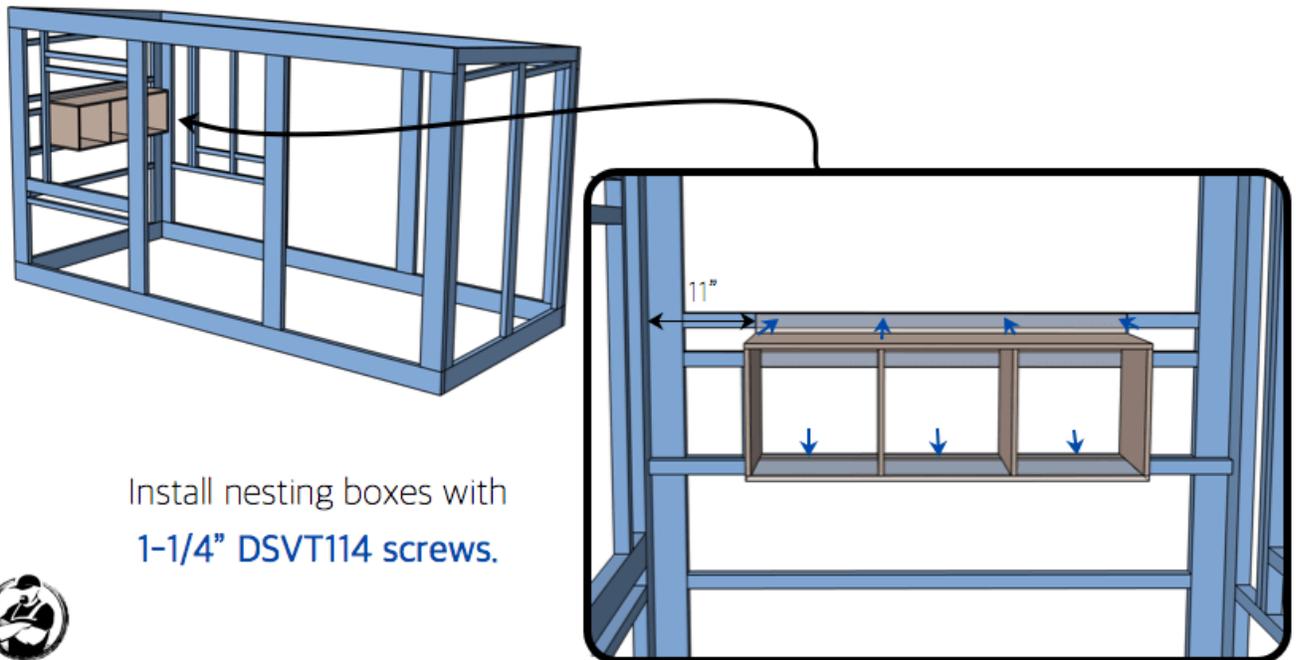
Assemble nesting boxes  
with **wood glue** and  
**1-1/4" brad nails.**

# Step 7: Nesting Box Face

Assemble nest box frame using **2-1/2" SDWS Timber screws**. Then cut OSB to size and install with **1-1/4" DSVT114 screws (not shown)**. Finally, cut 9" diameter holes with a drill and jigsaw.



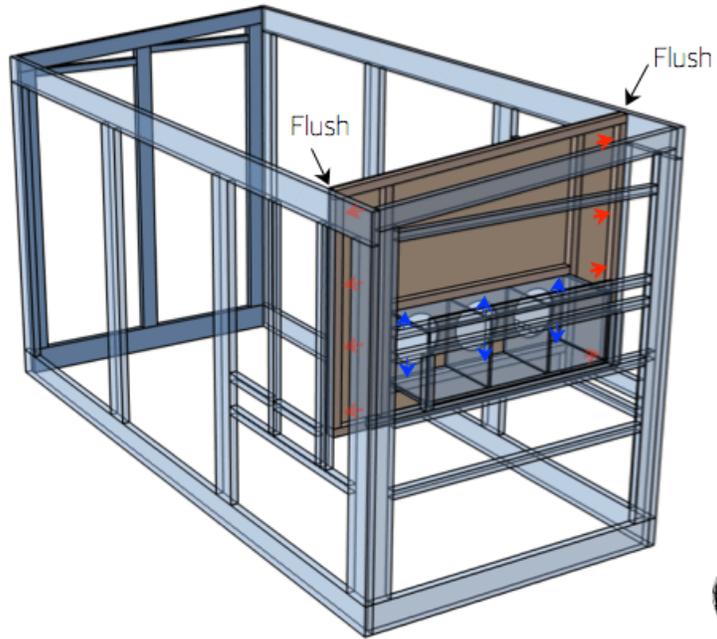
# Step 8: Install Nesting Boxes



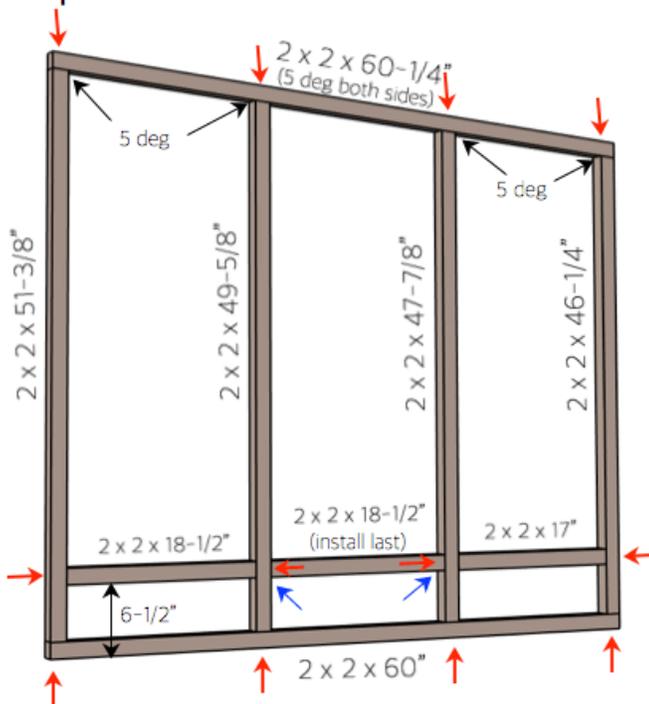
Install nesting boxes with **1-1/4" DSVT114 screws**.

# Step 9: Install Nesting Box Face

Slip the nesting box face over the front of the nesting boxes, position the top of the face to be even with the front and back of the coop and secure to the front and back with **2-1/2" SDWS Framing screws**. Then secure from within the nesting boxes with **1-1/4" DSVT114 screws**.

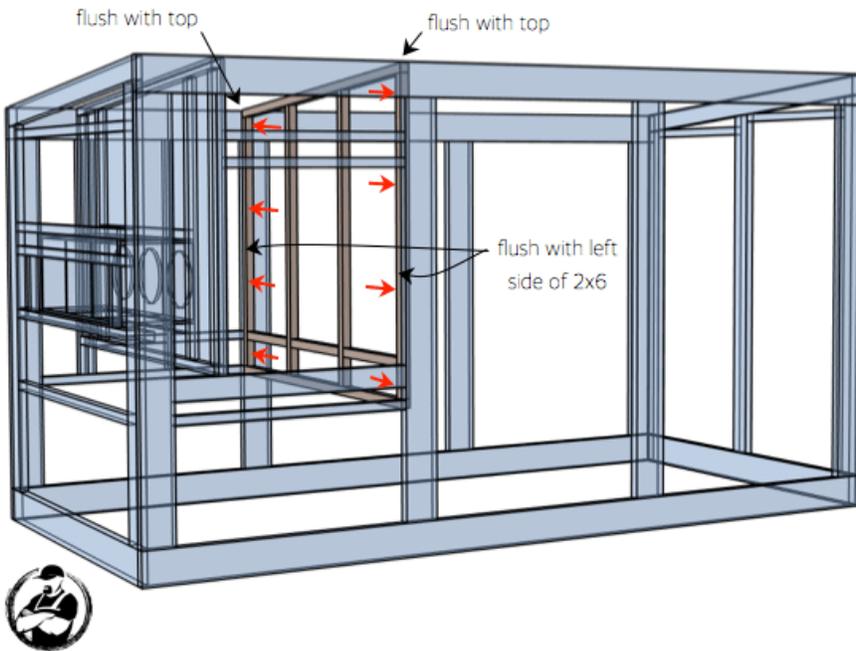


# Step 10: Assemble Coop Side



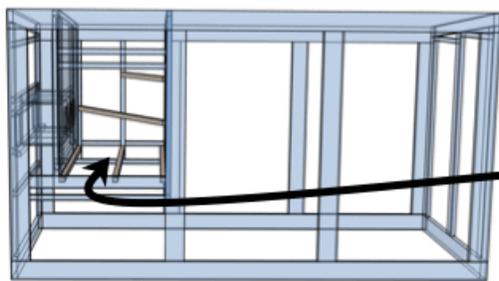
Assemble side using **2-1/2" SDWS Timber screws**, and **A21 angle connectors**.

# Step 11: Install Coop Side

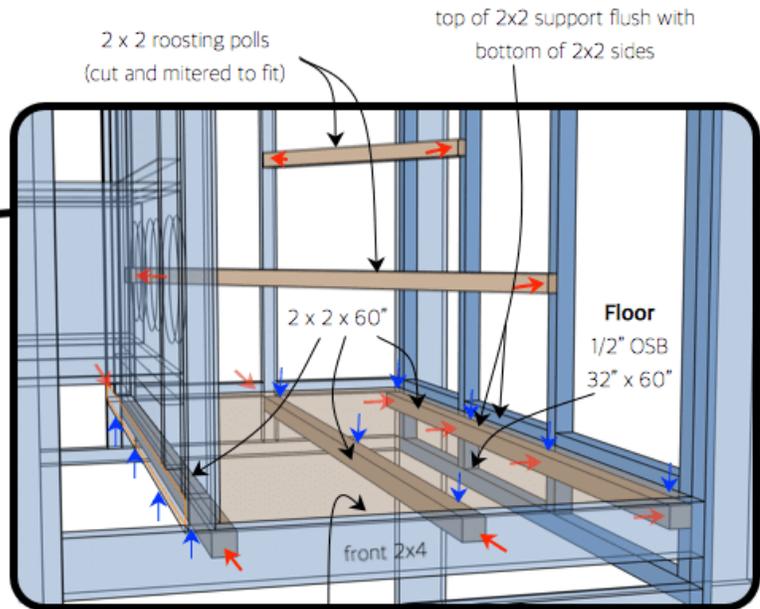


Position the top of the side to be even with the front and back of the coop and the inside to be flush with the left side of the 2x6 as shown. Then secure to the front and back with **2-1/2" SDWS Framing screws**.

# Step 12: Coop Floor & Roost



Install 2x2 support on the right side with **2-1/2" SDWS Framing screws**. Then install floor to support and bottom of Nesting box face with **1-1/4" DSVT114 screws**. Then install remaining supports with **2-1/2" SDWS Framing screws** and secure floor with **1-1/4" DSVT114 screws**.



top of floor flush with top of front 2x4

# Step 13: Rafters & Coop Siding

14" 76" 61" 43-3/4" 29" 14"

2 x 2 x 60-1/4" (6 PL)  
(5 deg angle both sides)

2 x 4 x 60-1/4"  
(5 deg angle both sides)

against siding

1/2" OSB or Textured siding.  
Cut to size. Will require multiple pieces.  
Installed with 1-1/4" wood screws.  
Cut 8"x10" opening (bottom to be flush with top of 2x2)

Install rafters with **2-1/2" SDWS Framing screws** and siding with **1-1/4" DSVT114 screws** (not shown). 

# Step 14: Install Roof

Cut and install OSB so that there is a 2" overhang on all sides.

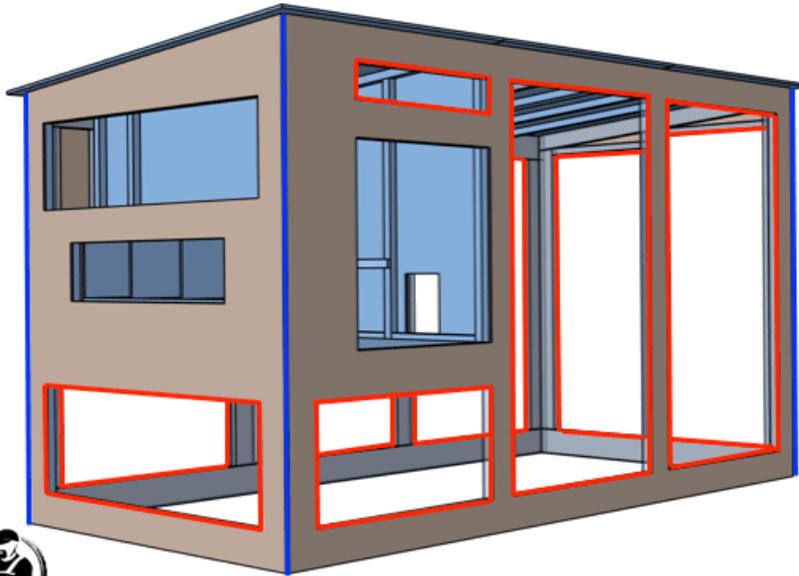
Then install **drip edge on low side of roof** with roofing nails and staple roofing felt to OSB.

Now install **drip edge on high end of roof and sides** with roofing nails.

Finally install metal roofing with 1" roofing screws to match.



# Step 15: Screen & Siding



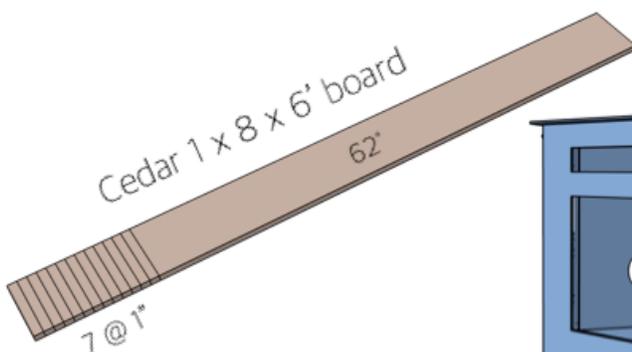
Staple 1/2" hardware cloth to cover openings of run and vent at top of coop.

Then install siding as desired, leaving openings for doors.

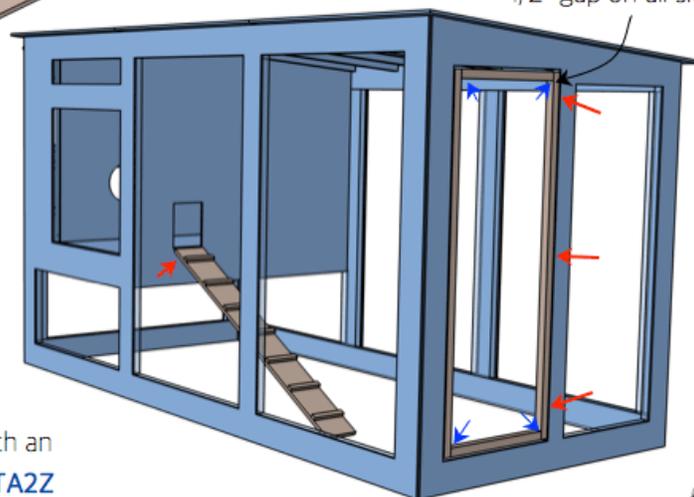
Finally, install trim on corners as desired.



# Step 16: Entry Door and Ramp



Cut up a cedar 1x8 as shown, space evenly along board (about 7-1/2" apart) and assemble the ramp with wood glue and 1-1/4" brad nails (not shown). Then install with an exterior hinge. Assemble door using four RTA2Z connectors and install with three exterior hinges.



# Step 17: Make & Install Doors

Doors are constructed of a 2x2 frame and siding or OSB for the panel. Wood should be cut such that there is a 1/2" gap on all sides when installed. Assemble coop door using **four RTA2Z connectors** and assemble nesting box door and storage door with **2-1/2" SDWS Framing screws**. Then panel is attached with **1-1/4" DSVT114 screws (not shown)** and doors are installed with **exterior hinges (not shown)**.

