

8X8 CHICKEN COOP WITH 8X8 SCREENED RUN



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BEFORE YOU BEGIN

Before starting this project, please follow these safety instructions:

Wear Safety Gear: Use safety glasses, gloves, and ear protection.

Read the Project Plan: Understand all the steps and materials needed.

Use Familiar Tools: Only use tools you know how to operate. Follow the manufacturer's instructions and check that tools are in good condition.

Keep Workspace Safe: Keep your area clean and well-lit to avoid accidents. Remove any unnecessary items to prevent tripping. Make sure your workspace is well-ventilated, especially when using paints or solvents.

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BEFORE YOU BEGIN

Required Tools for DIY Woodworking:

Measuring Tape: For precise measurements.

Saw: Hand saw, circular saw, or jigsaw for cutting.

Drill: Essential for making holes and driving screws.

Screwdriver: For manual screw adjustments.

Hammer: For driving nails or chiseling.

Safety Gear: Safety glasses, ear protection, and gloves.

Additional Safety Tips:

Electrical Safety: Turn off power when working with electrical components.

Heavy Lifting: Use proper techniques and ask for help with heavy items.

First Aid: Keep a first aid kit nearby for minor injuries.

IMPORTANT NOTES ON LUMBER DIMENSIONS

Material List vs. Design Plans: The material list provides standard rough sizes (e.g., 2x4), while the design plans use finished sizes, which are smaller. For example, a standard 2x4 measures about 1.5 inches by 3.5 inches when finished.

Measurements and Adjustments: Before cutting, check the actual dimensions of your lumber against the design plans. You may need to make slight adjustments for proper fitting.

Understanding the difference between rough and finished lumber sizes is essential for your project's success. If you have any questions, feel free to reach out.

Thank you for choosing our woodworking plans! Happy woodworking!

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MATERIAL LIST

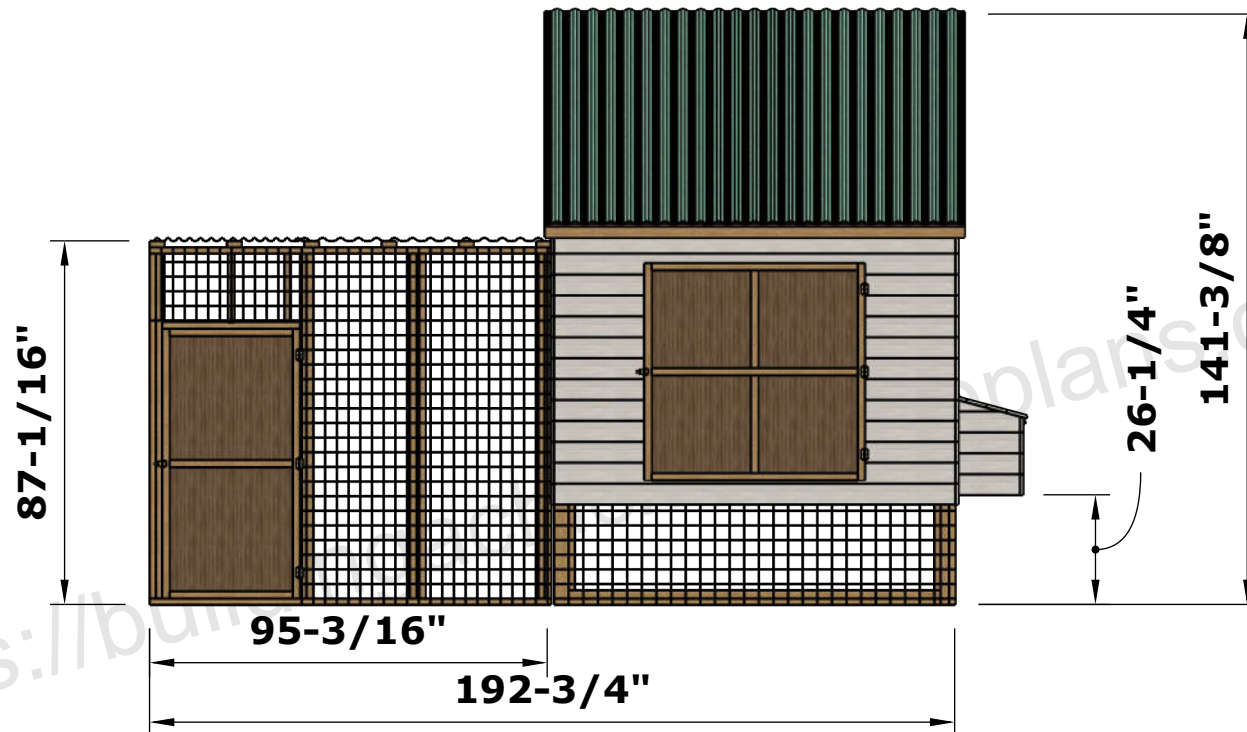
Material	Size	Quantity
2x4	8 Feet	104 Pcs
4x4	8 Feet	8 Pcs
3/4" Thick plywood	4'x8'	10 Pcs
Wall siding	9 Feet	104Pcs
2-1/4" Wood screw	180Pcs(2lbs)	3 Packs
1-1/2" Wood screw	100Pcs	3 Packs
4" Wood screws		16Pcs
Hardware		
Chicken coop windows	18"x23"	4
Hinges		10
Latches		4
Wireframe		
Metal sheets	4'x8'	10Pcs

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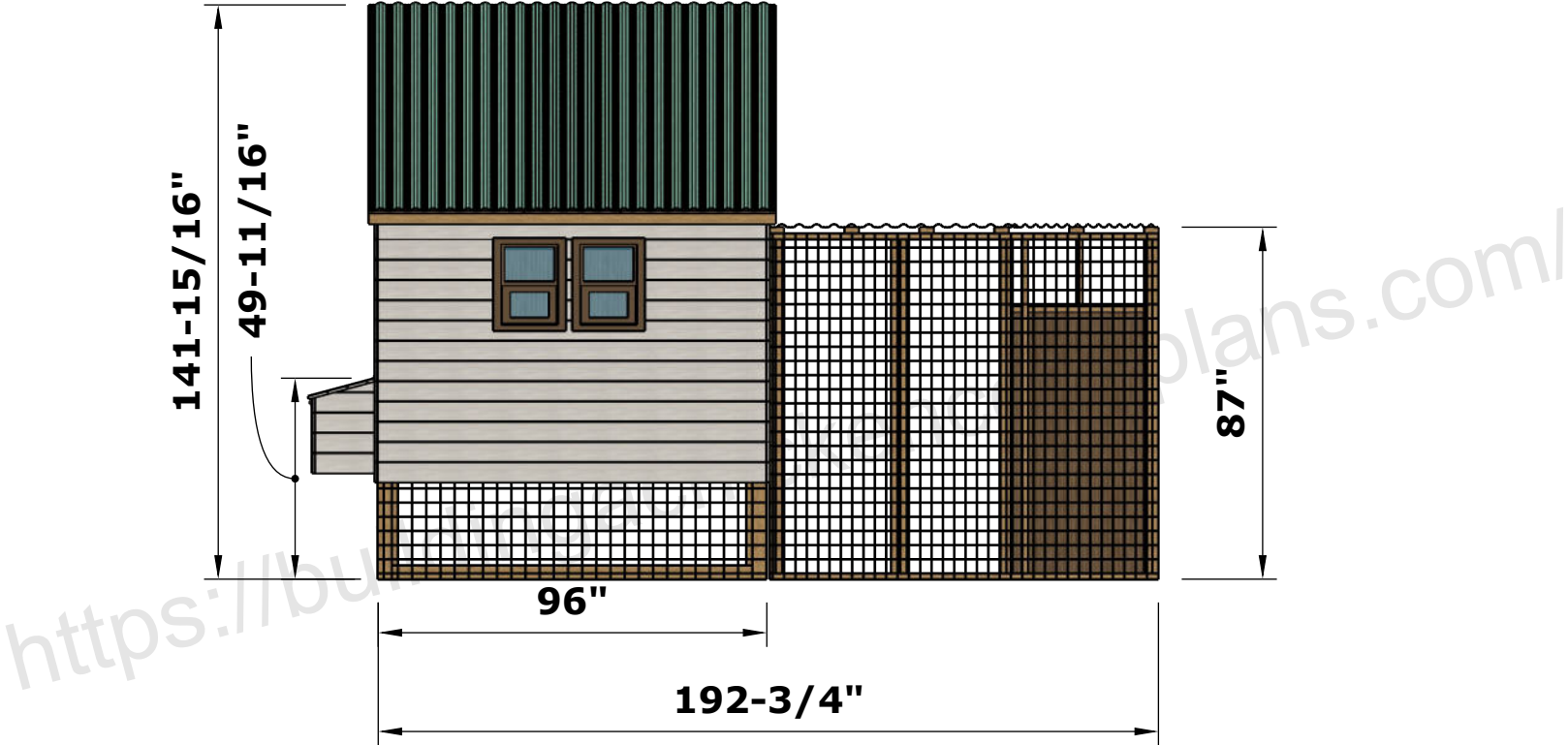
MAIN DIMENSIONS: TOP



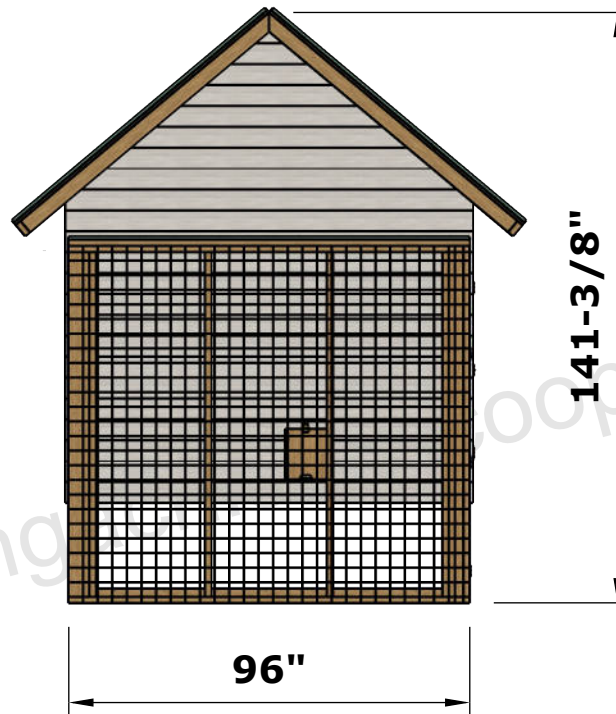
MAIN DIMENSIONS: FRONT



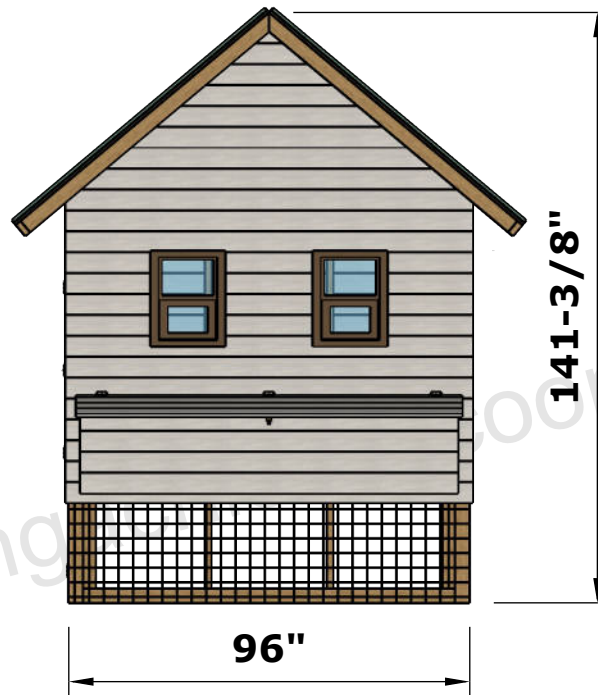
MAIN DIMENSIONS: BACK



MAIN DIMENSIONS: LEFT

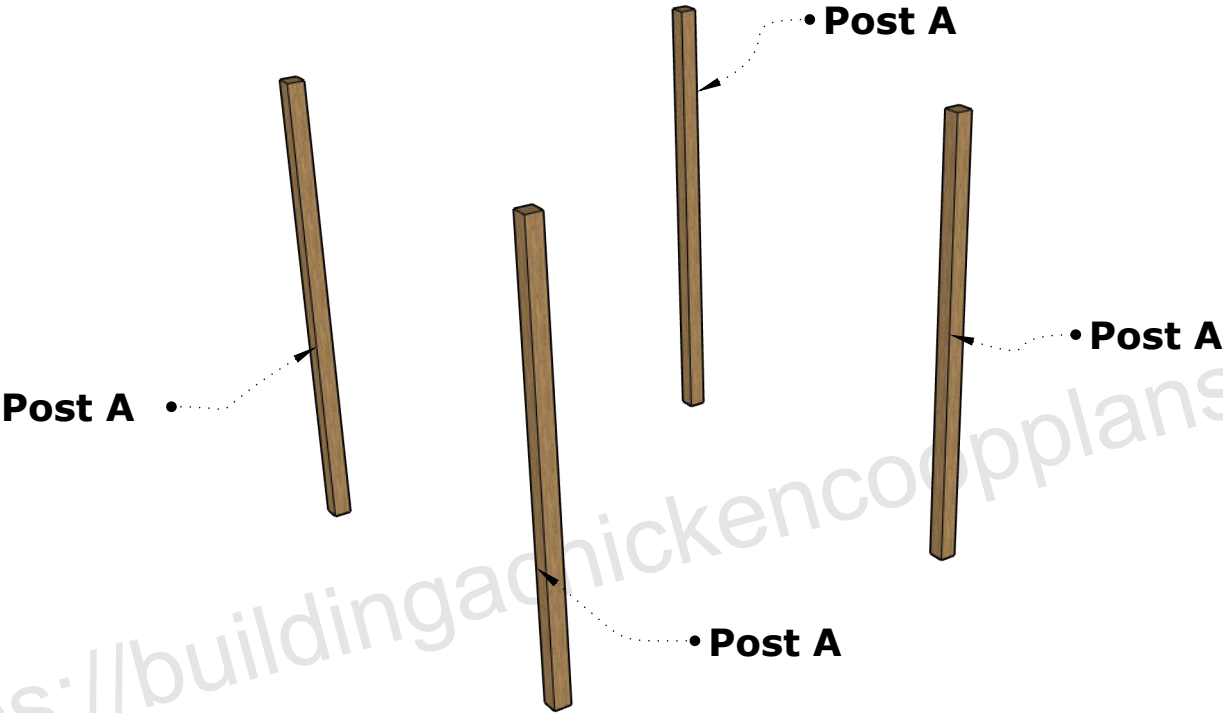


MAIN DIMENSIONS: RIGHT



ASSEMBLY STEP 1: POSTS

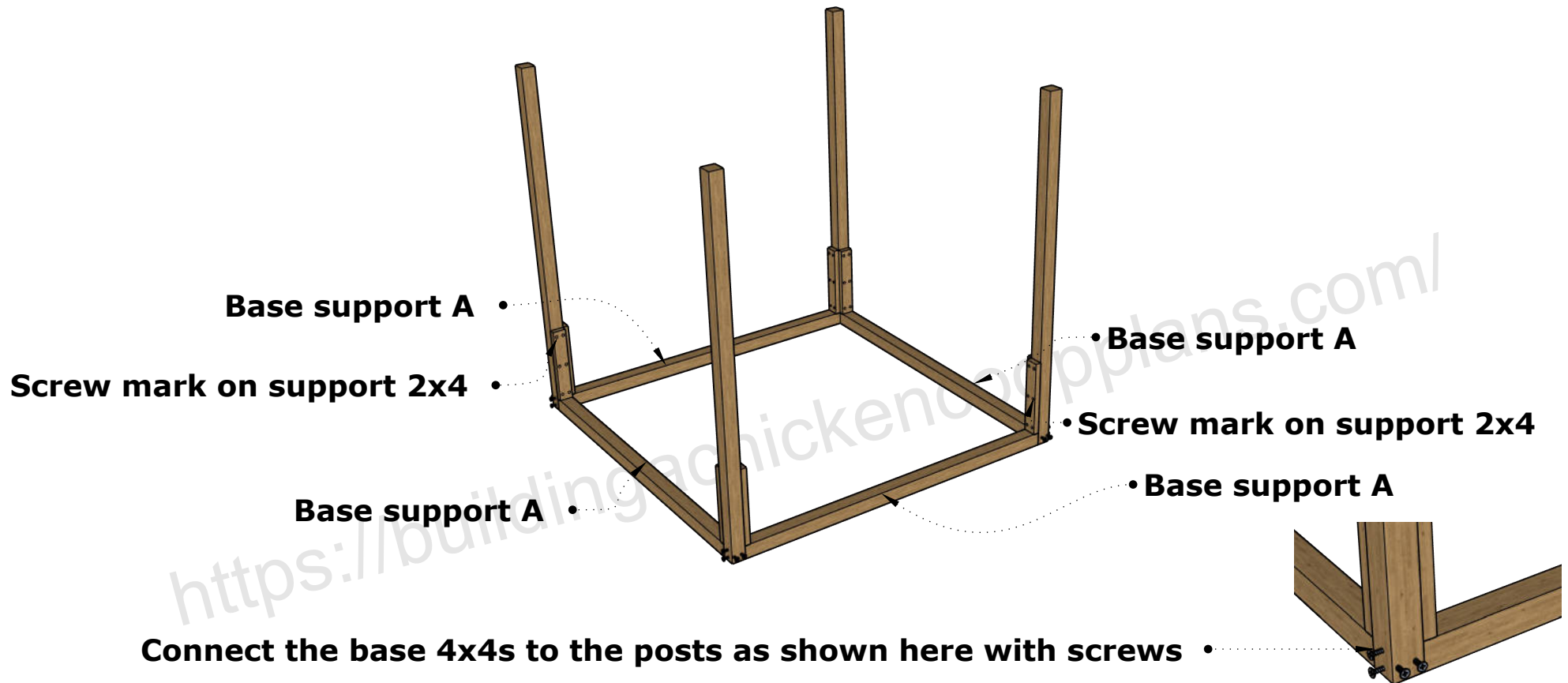
No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Post A	4	96"	3 1/2"	3 1/2"	4x4 Post



- Prepare the coop posts A as shown above.

ASSEMBLY STEP 2: BASE SUPPORTS

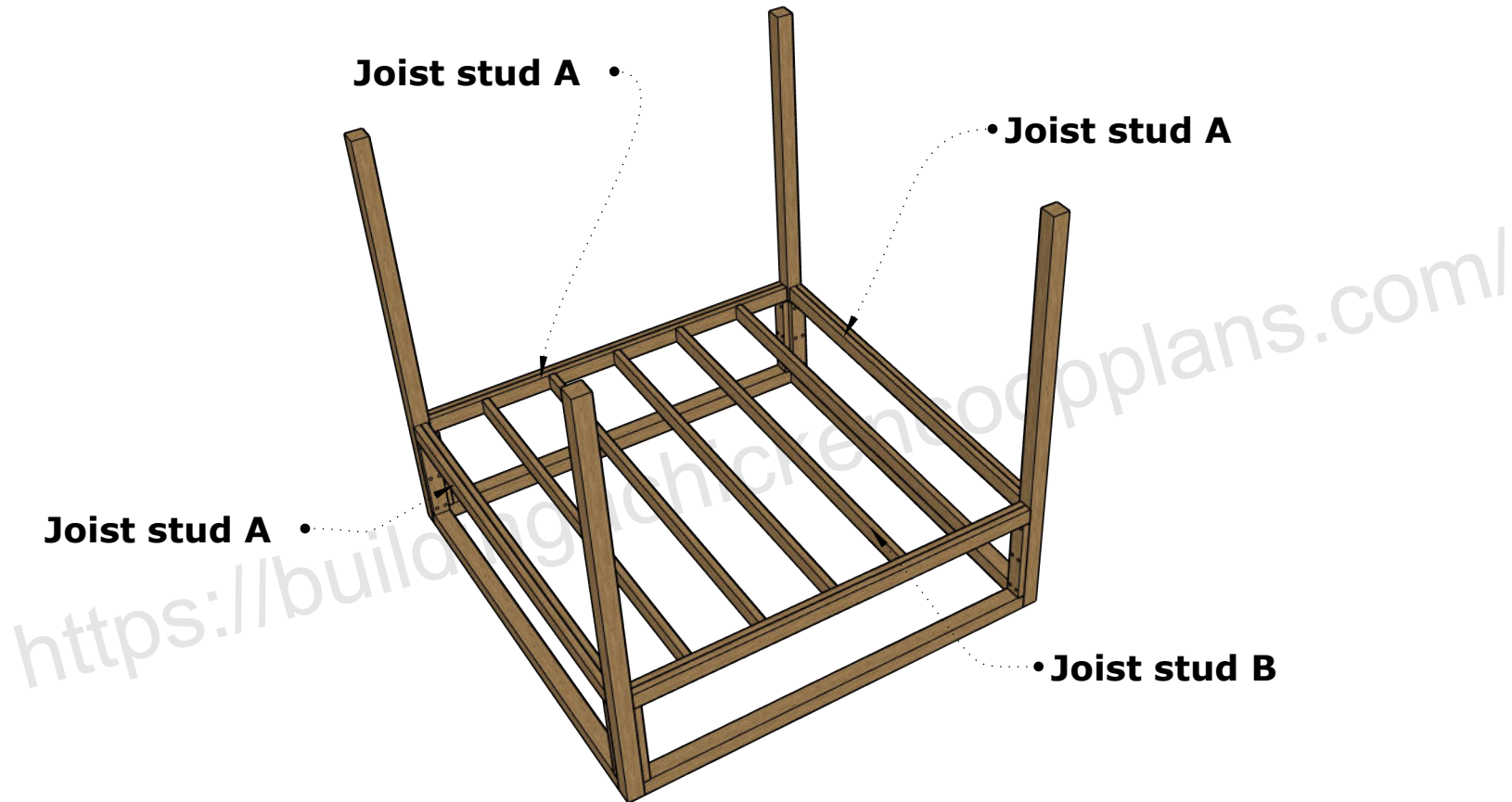
No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Base support A	4	89"	3 1/2"	3 1/2"	4x4 Post
A	Base support B	8	20 1/2"	3 1/2"	1 1/2"	2x4



- Connect the base 4x4 post supports to the posts as shown above. Use 4" wood screws.

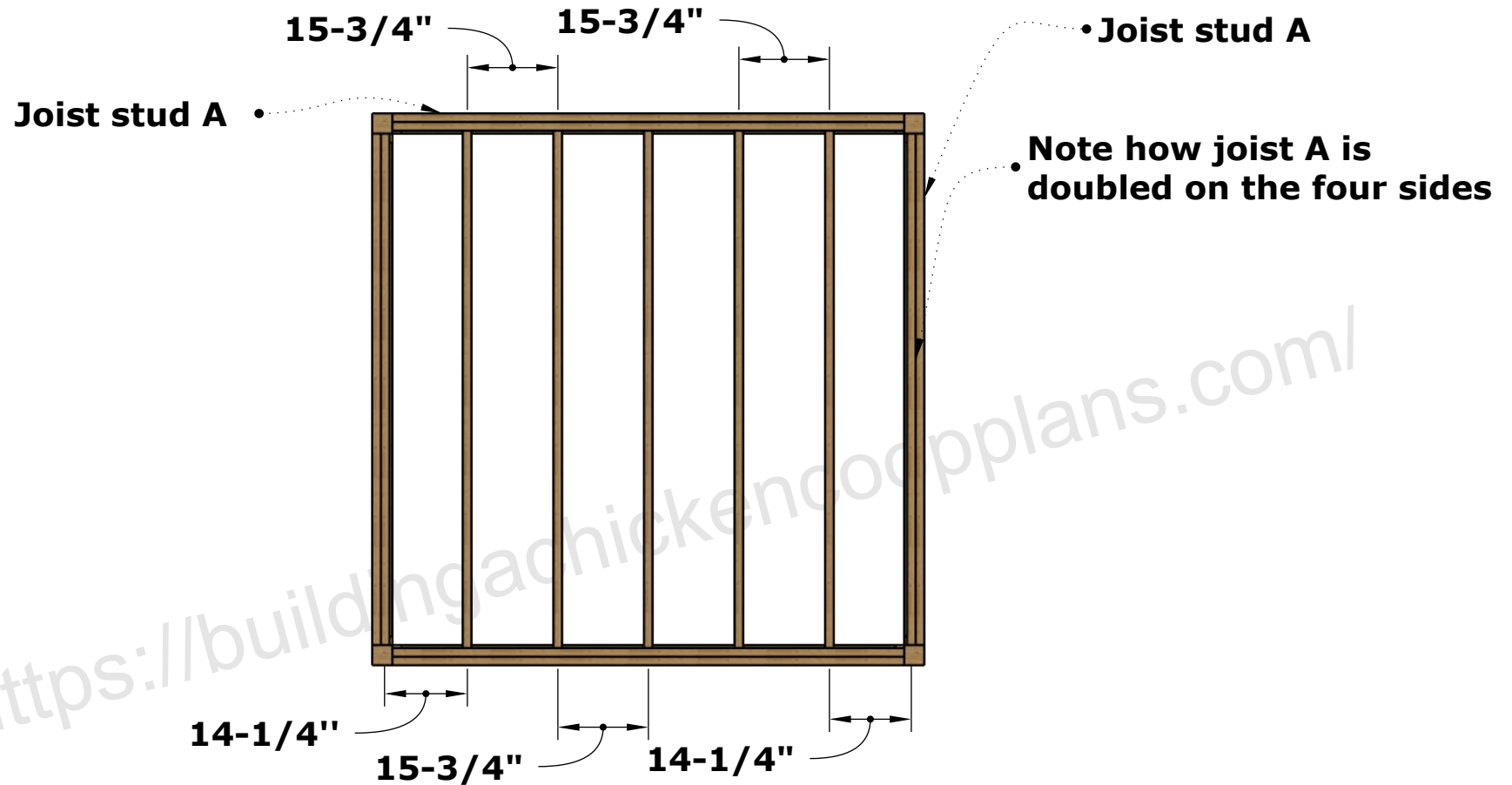
ASSEMBLY STEP 3: JOISTS

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Joist stud A	9	89"	3 1/2"	1 1/2"	2x4
B	Joist stud B	5	90"	3 1/2"	1 1/2"	2x4



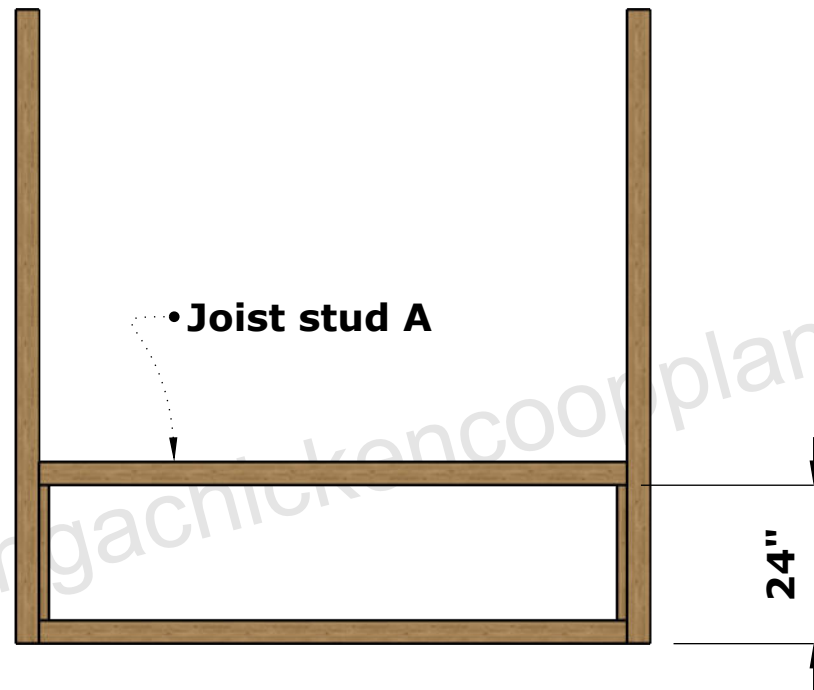
- Prepare and connect the joists studs A and B to the semi-assembly as shown above. Use 2-1/4" wood screws.

ASSEMBLY STEP 3: JOISTS



- Space and connect the floor joist as dimensioned above.

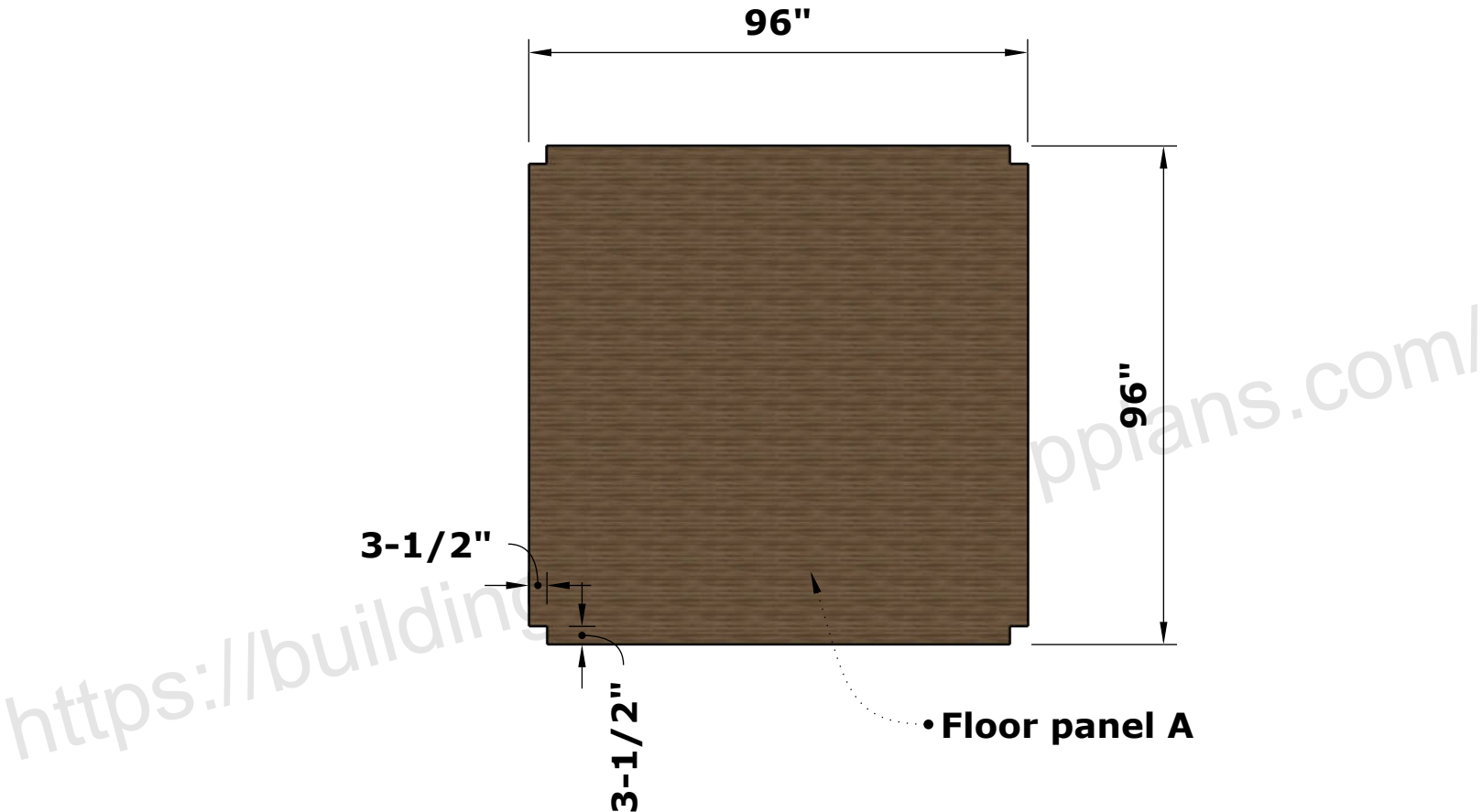
ASSEMBLY STEP 3: JOISTS



- Install the joists 24" above the floor as shown above.

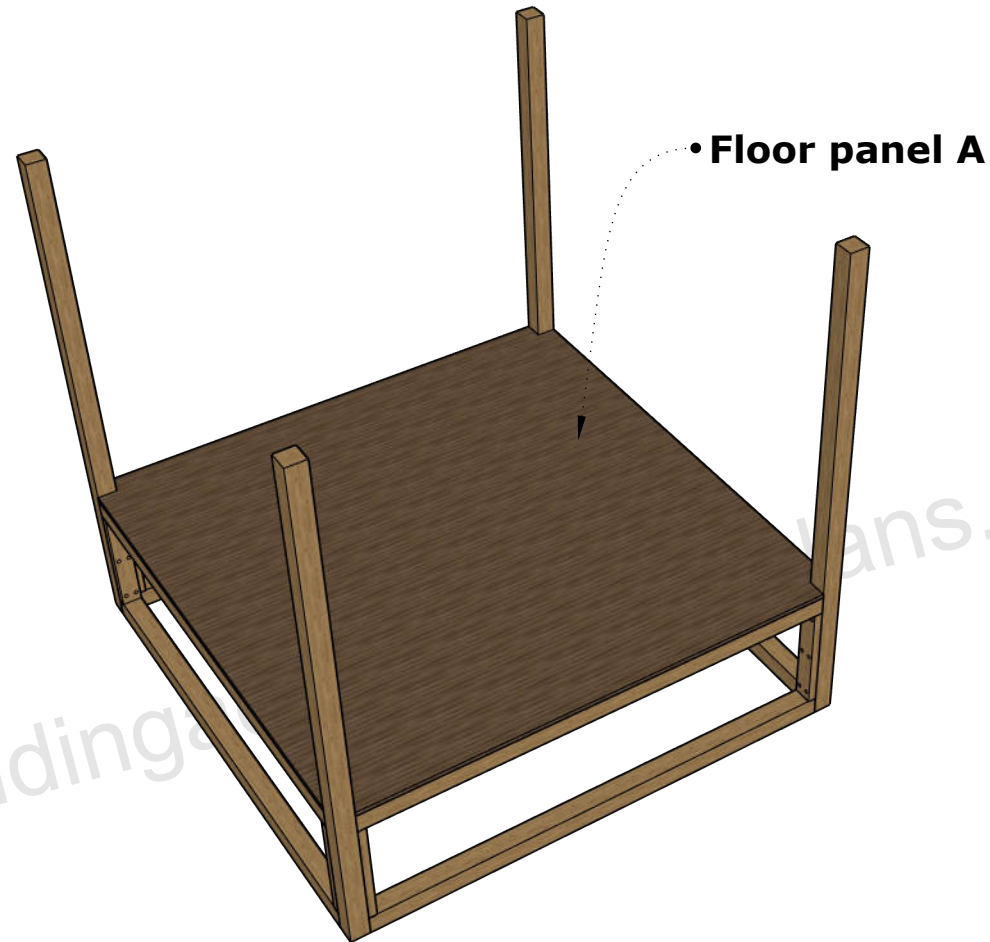
ASSEMBLY STEP 4: FLOOR PANEL

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Floor panel A	1	96"	96"	3/4"	Plywood



- Prepare and make cuts on the floor panel A as shown above.

ASSEMBLY STEP 4: FLOOR PANEL



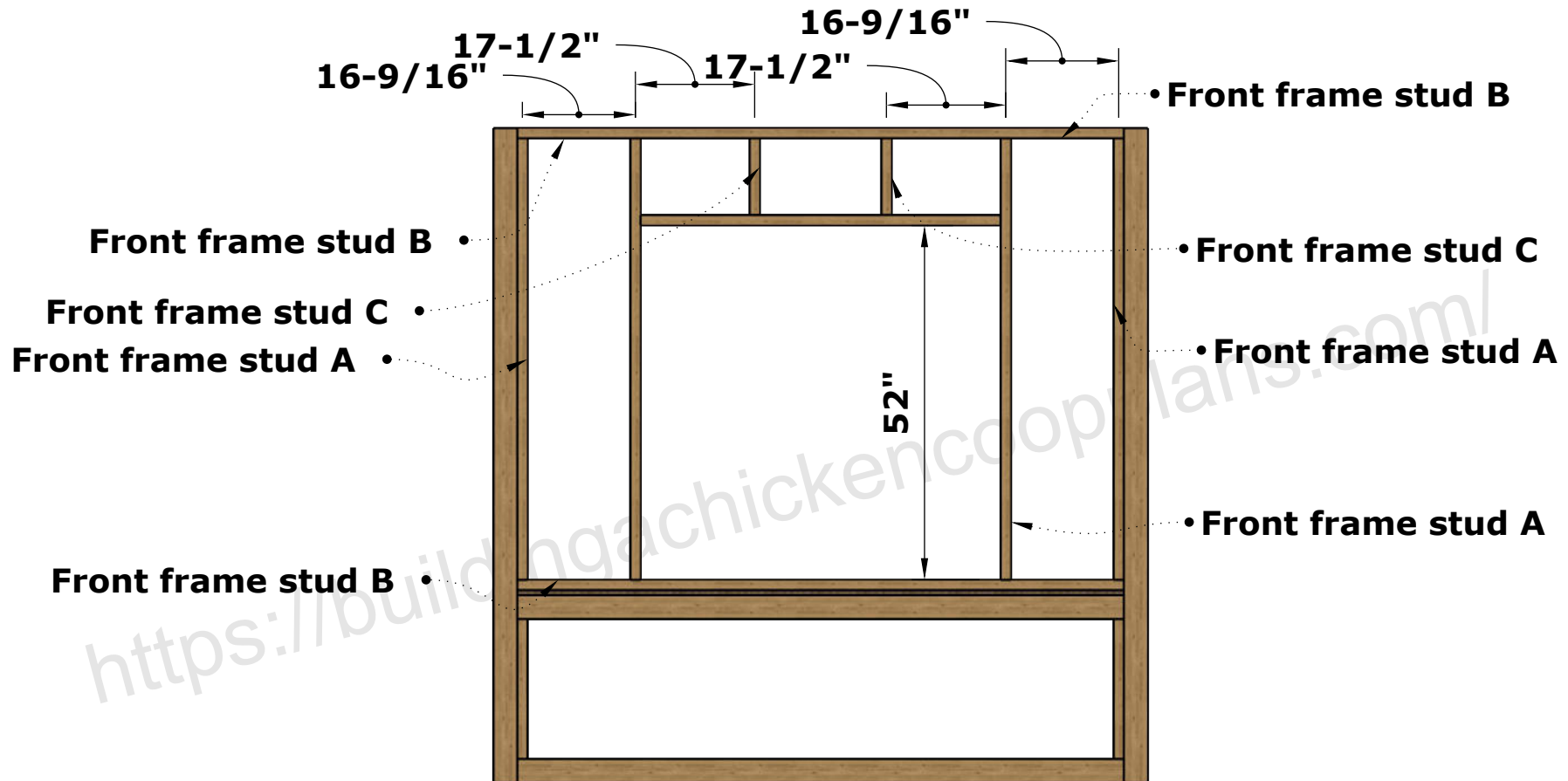
- Install the floor panel on the semi-assembly as shown above using 1-1/2" wood screws.

ASSEMBLY STEP 5: FRAME (FRONT WALL)

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Front frame stud A	4	64 3/4"	3 1/2"	1 1/2"	2x4
B	Front frame stud B	2	89"	3 1/2"	1 1/2"	2x4
C	Front frame stud C	2	11 1/4"	3 1/2"	1 1/2"	2x4
D	Front frame stud D	1	52 13/16"	3 1/2"	1 1/2"	2x4

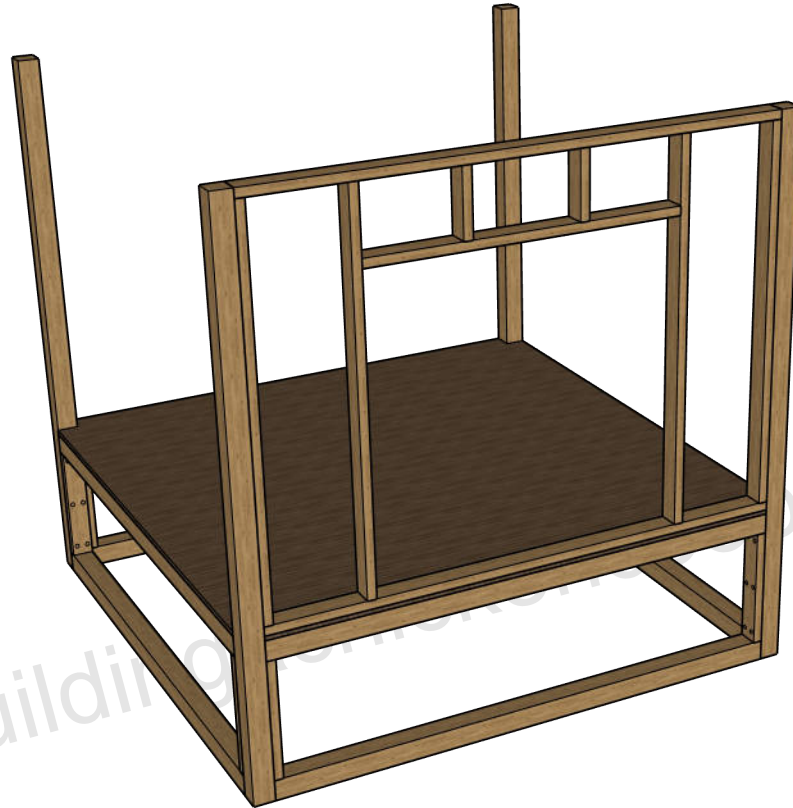
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ASSEMBLY STEP 5: FRAME (FRONT WALL)



- Prepare and connect the front wall frame studs A, B, C together centre to centre as shown above. Use 2-1/4" wood screw.

ASSEMBLY STEP 5: FRAME (FRONT WALL)



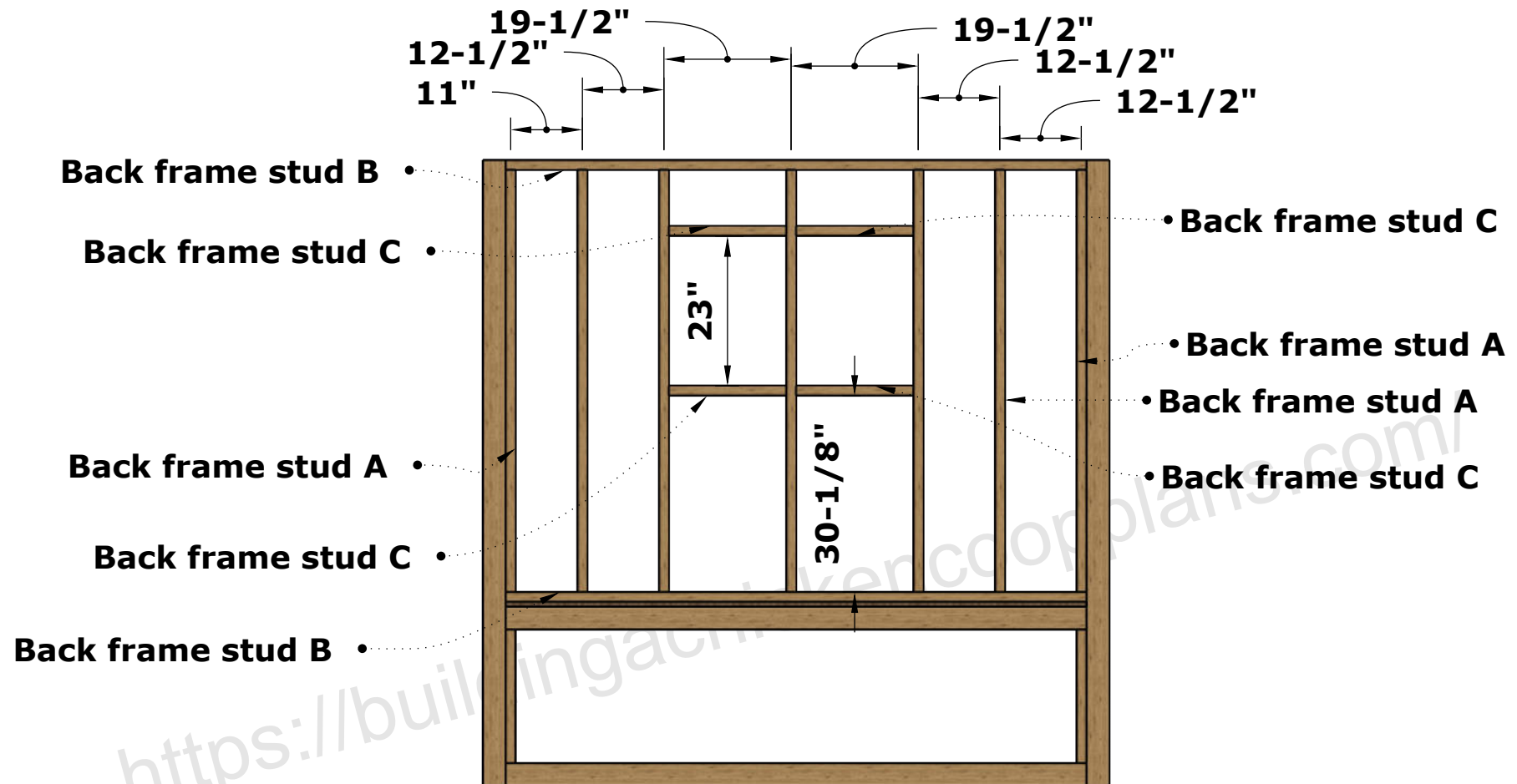
- Install the front wall frame to the semi-assembly as shown above.

ASSEMBLY STEP 5: FRAME (BACK WALL)

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Back frame stud A	6	64 3/4"	3 1/2"	1 1/2"	2x4
B	Back frame stud B	2	89"	3 1/2"	1 1/2"	2x4
C	Back frame stud C	4	18"	3 1/2"	1 1/2"	2x4

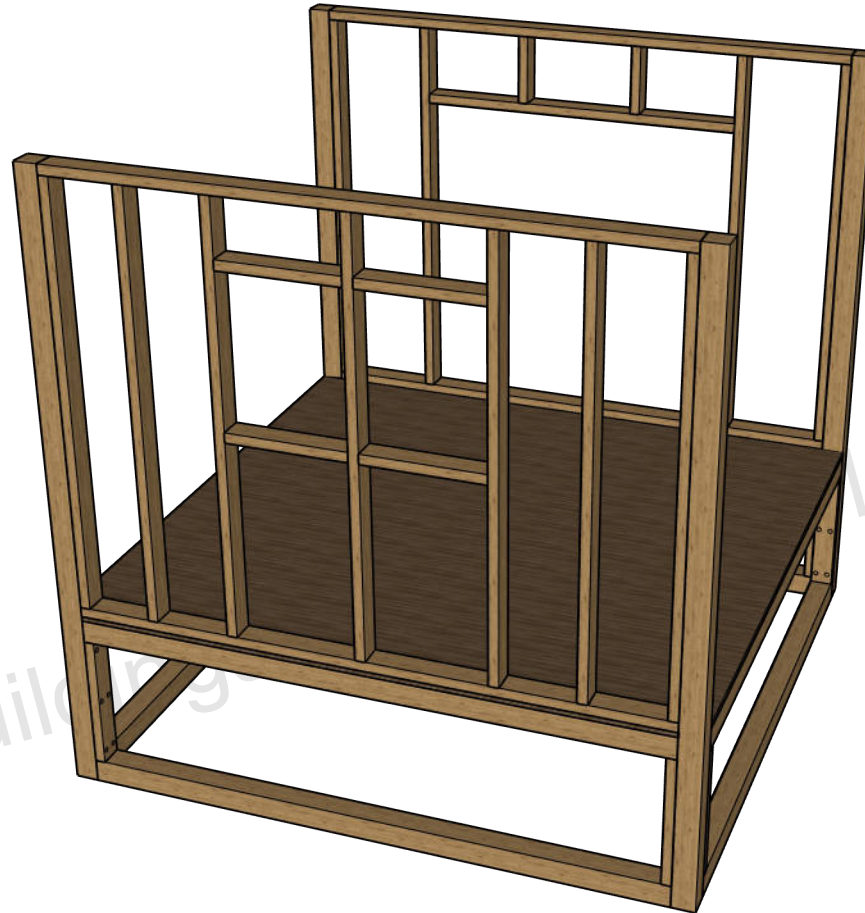
<https://buildingachickencoopplans.com/>

ASSEMBLY STEP 5: FRAME (BACK WALL)



- Prepare and connect the back wall frame studs A, B, C together centre to centre as shown above. Use 2-1/4" wood screws.

ASSEMBLY STEP 5: FRAME (BACK WALL)



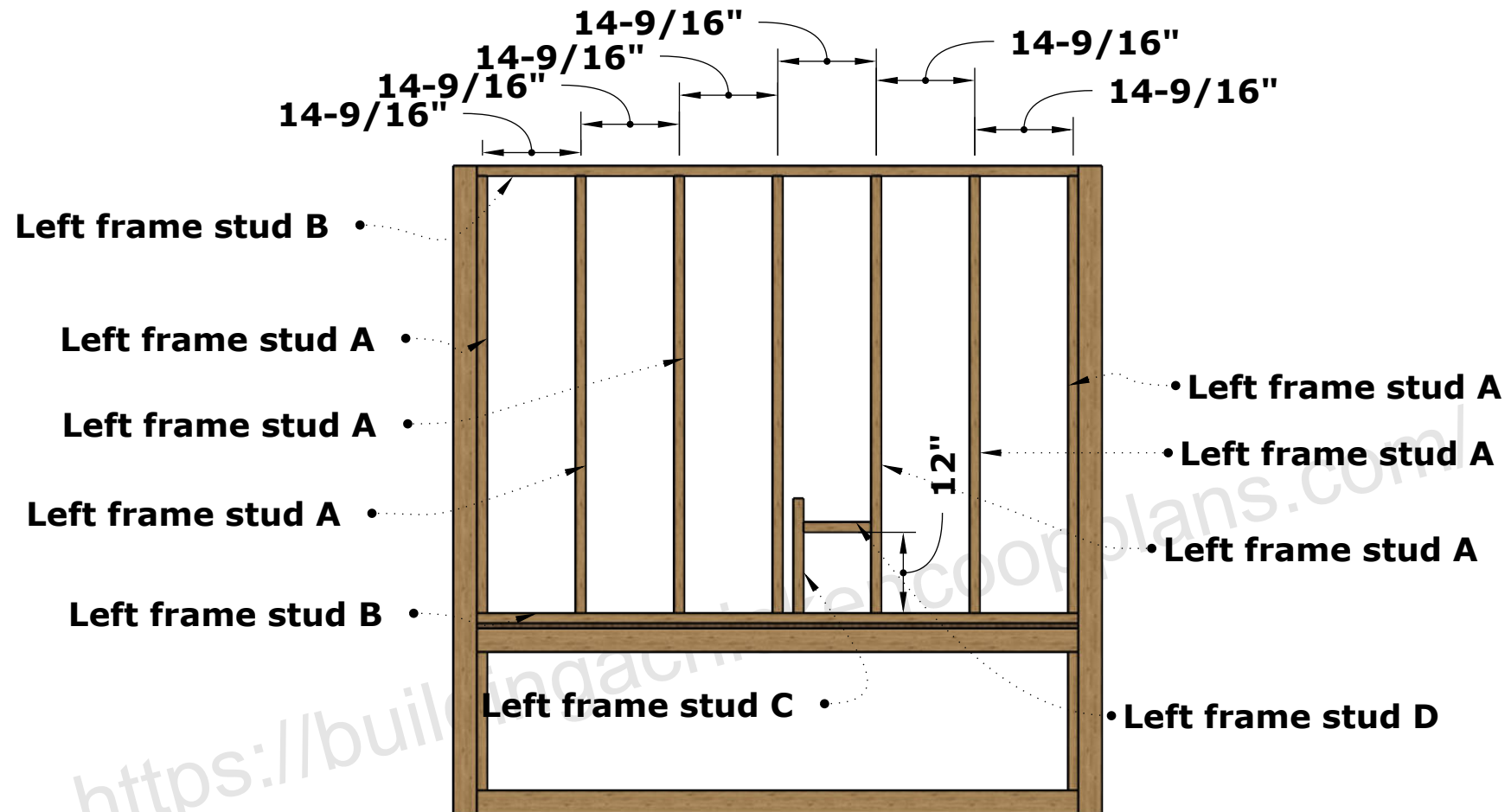
- Install the back wall frame to the semi-assembly as shown above.

ASSEMBLY STEP 5: FRAME (LEFT WALL)

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Left frame stud A	7	64 3/4"	3 1/2"	1 1/2"	2x4
B	Left frame stud B	2	89"	3 1/2"	1 1/2"	2x4
C	Left frame stud C	1	17"	3 1/2"	1 1/2"	2x4
D	Left frame stud D	1	10"	3 1/2"	1 1/2"	2x4

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ASSEMBLY STEP 5: FRAME (LEFT WALL)



- Prepare and connect the left wall frame studs A, B, C and D together centre to centre as shown above. Use 2-1/4" wood screws.

ASSEMBLY STEP 5: FRAME (LEFT WALL)



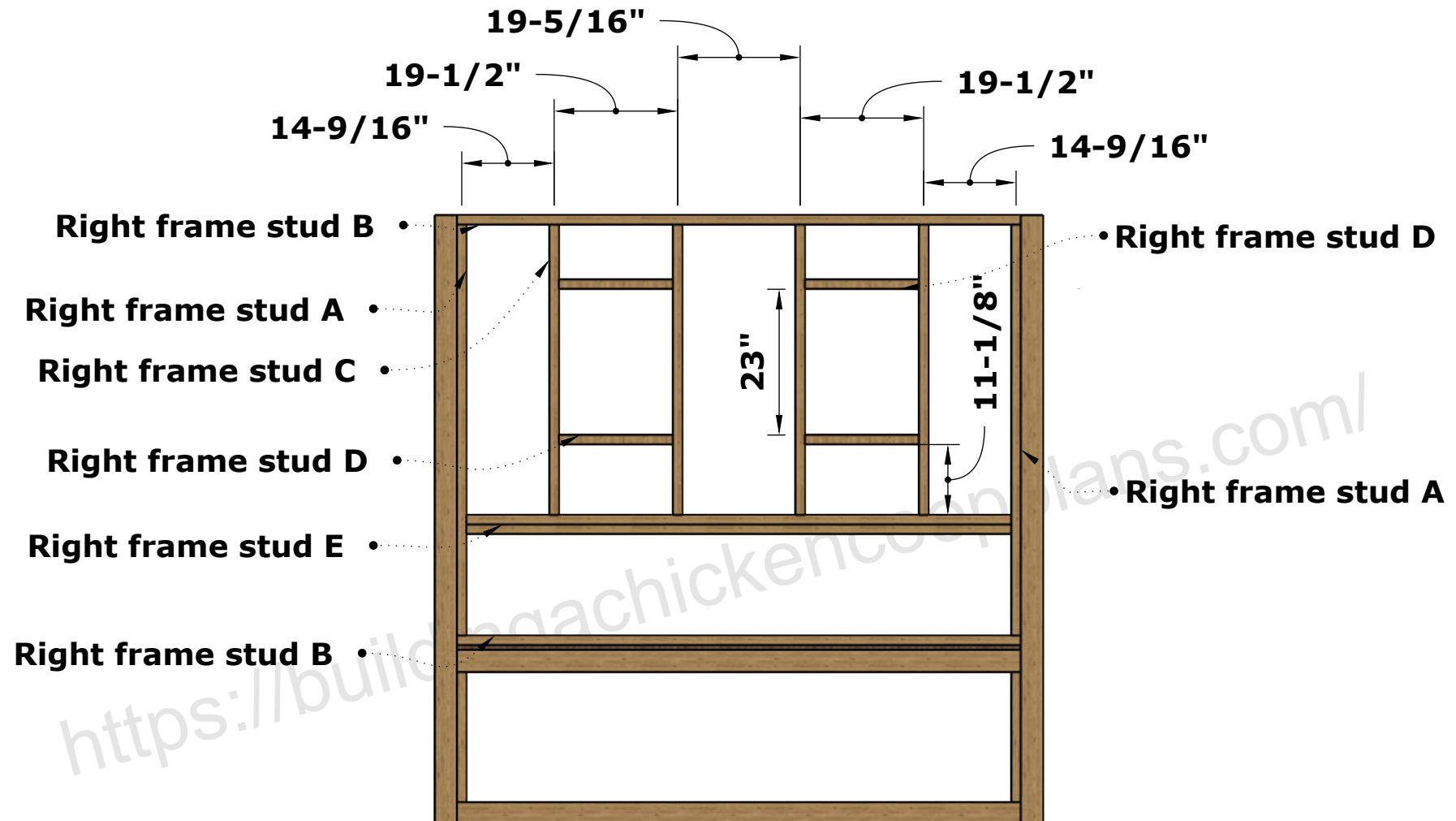
- Install the left wall frame to the semi-assembly as shown above.

ASSEMBLY STEP 5: FRAME (RIGHT WALL)

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Right frame stud A	2	64 3/4"	3 1/2"	1 1/2"	2x4
B	Right frame stud B	2	89"	3 1/2"	1 1/2"	2x4
C	Right frame stud C	4	45 3/4"	3 1/2"	1 1/2"	2x4
D	Right frame stud D	4	18"	3 1/2"	1 1/2"	2x4
E	Right frame stud E	2	86"	3 1/2"	1 1/2"	2x4

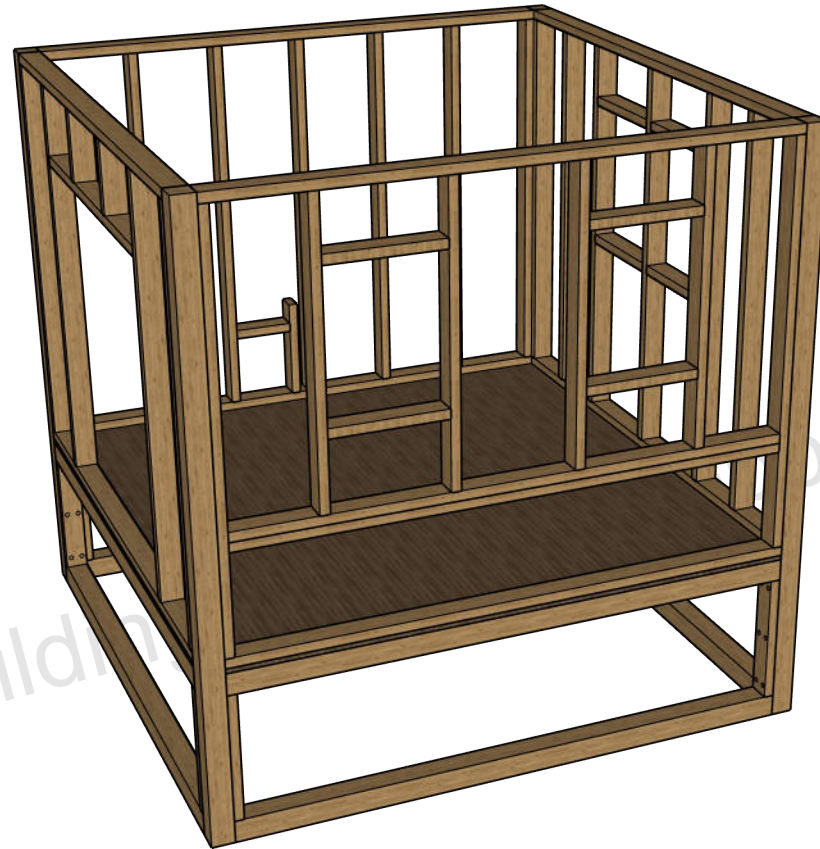
<https://buildingachickencoopplans.com/>

ASSEMBLY STEP 5: FRAME (RIGHT WALL)



- Prepare and connect the left wall frame studs A, B, C, D and E together centre to centre as shown above. Use 2-1/4" wood screws.

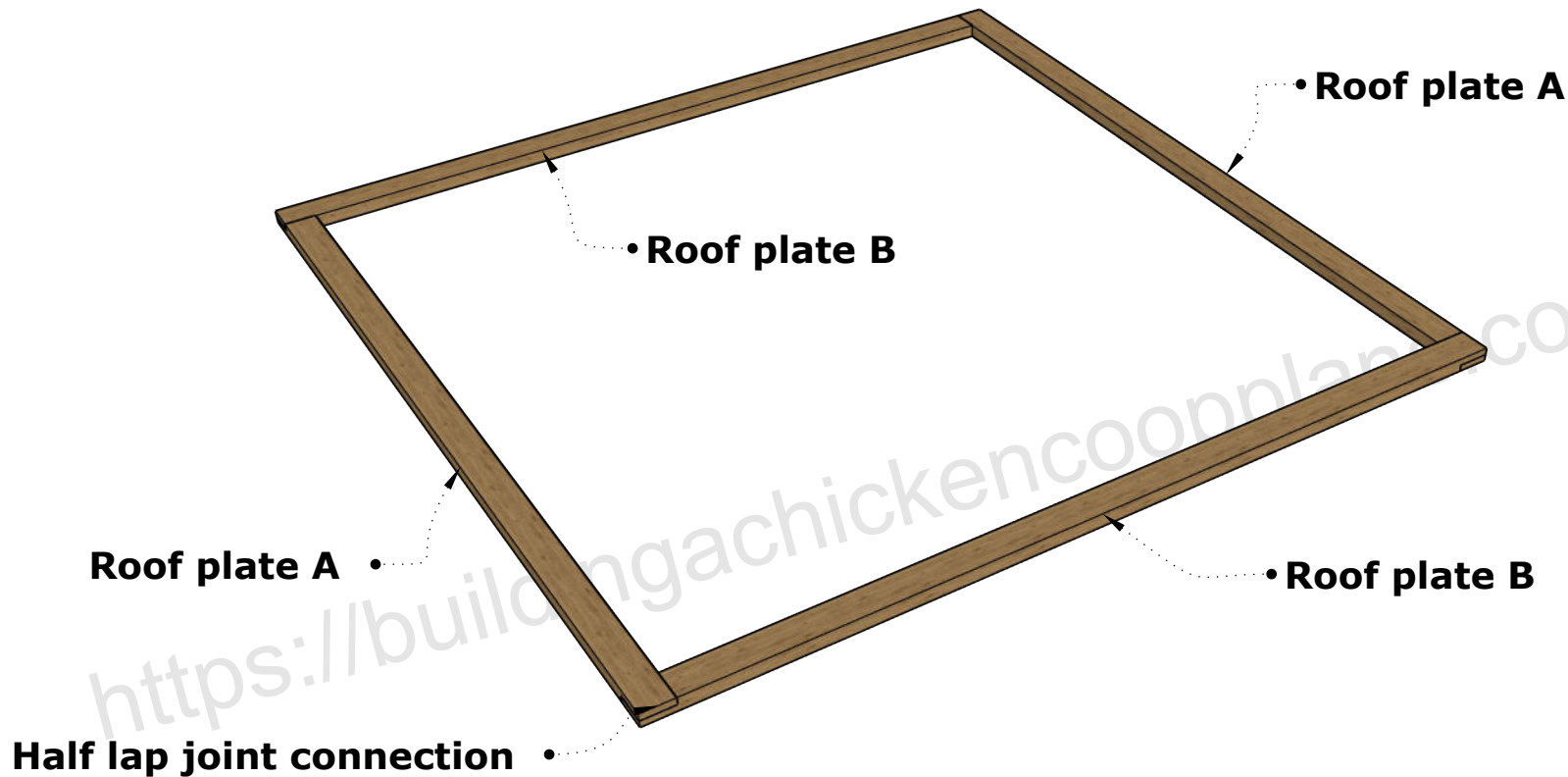
ASSEMBLY STEP 5: FRAME (RIGHT WALL)



- Install the right wall frame to the semi-assembly as shown above.

ASSEMBLY STEP 5: FRAME (ROOF PLATE)

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Roof plate A	2	96"	3 1/2"	1 1/2"	2x4
B	Roof plate B	2	96"	3 1/2"	1 1/2"	2x4



- Prepare and connect the roof plate parts together as shown above.

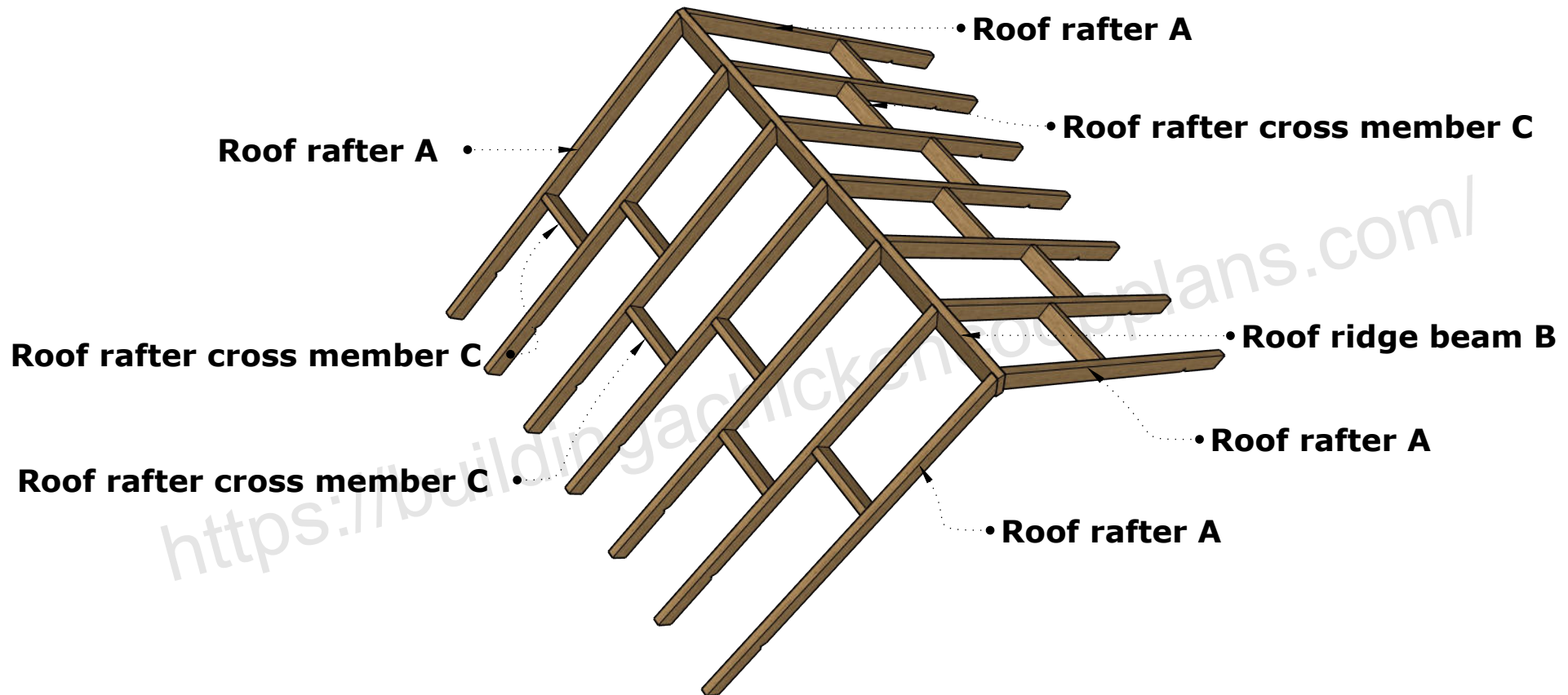
ASSEMBLY STEP 5: FRAME (ROOF PLATE)



- Install the roof plate on the semi-assembly as shown above. Use 2-1/4" wood screws.

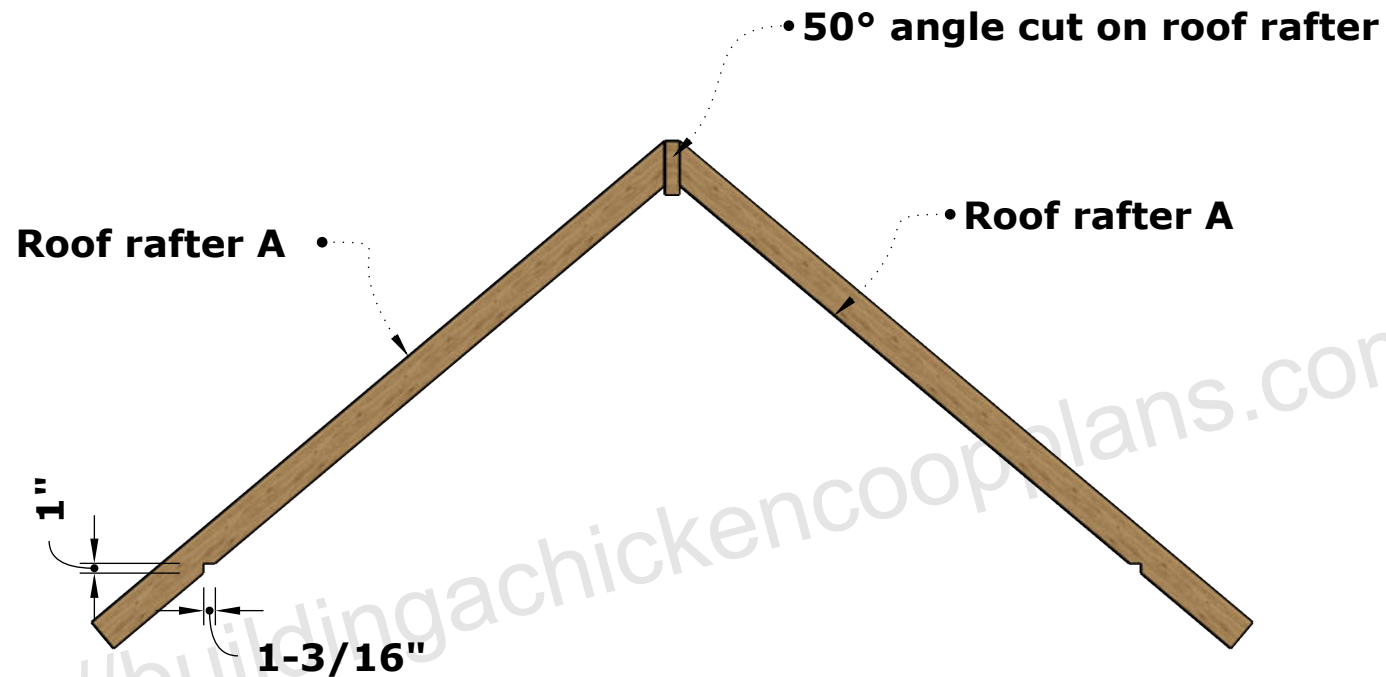
ASSEMBLY STEP 5: FRAME (ROOF RAFTERS)

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Roof rafter A	14	76 5/8"	3 1/2"	1 1/2"	2x4
B	Roof ridge beam B	1	96"	5 1/2"	1 1/2"	2x6
C	Roof rafter cross member C	12	14 1/4"	3 1/2"	1 1/2"	2x4



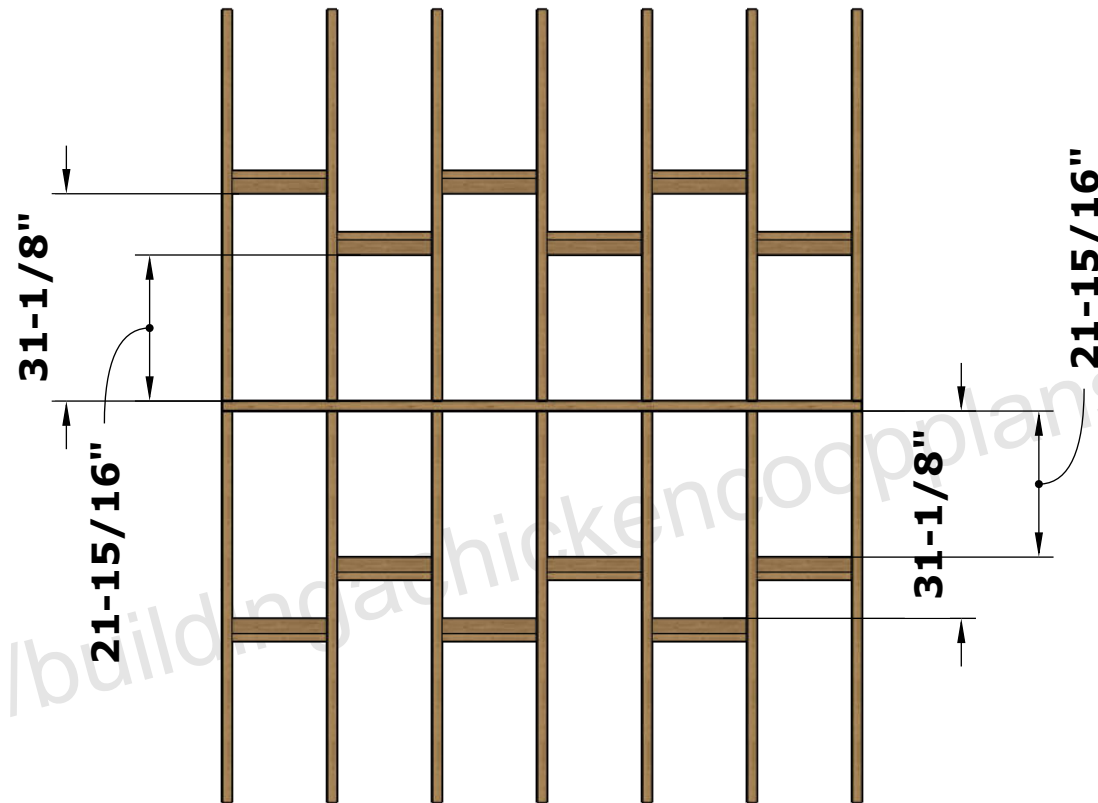
- Prepare and connect the roof rafter parts A to the ridge beam B as shown above, then connect the cross members C to the rafters using 2-1/4" wood screws.

ASSEMBLY STEP 5: FRAME (ROOF RAFTERS)



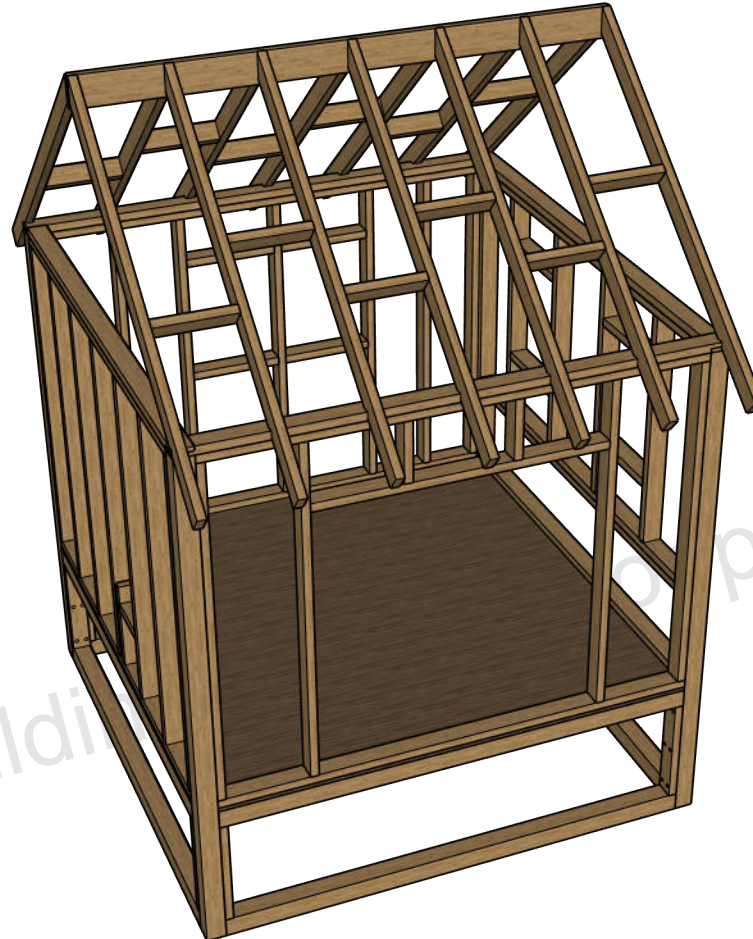
- Angle cuts on roof rafter A

ASSEMBLY STEP 5: FRAME (ROOF RAFTERS)



- Space the roof rafters A and cross members C as dimensioned above.

ASSEMBLY STEP 5: FRAME (ROOF RAFTERS)



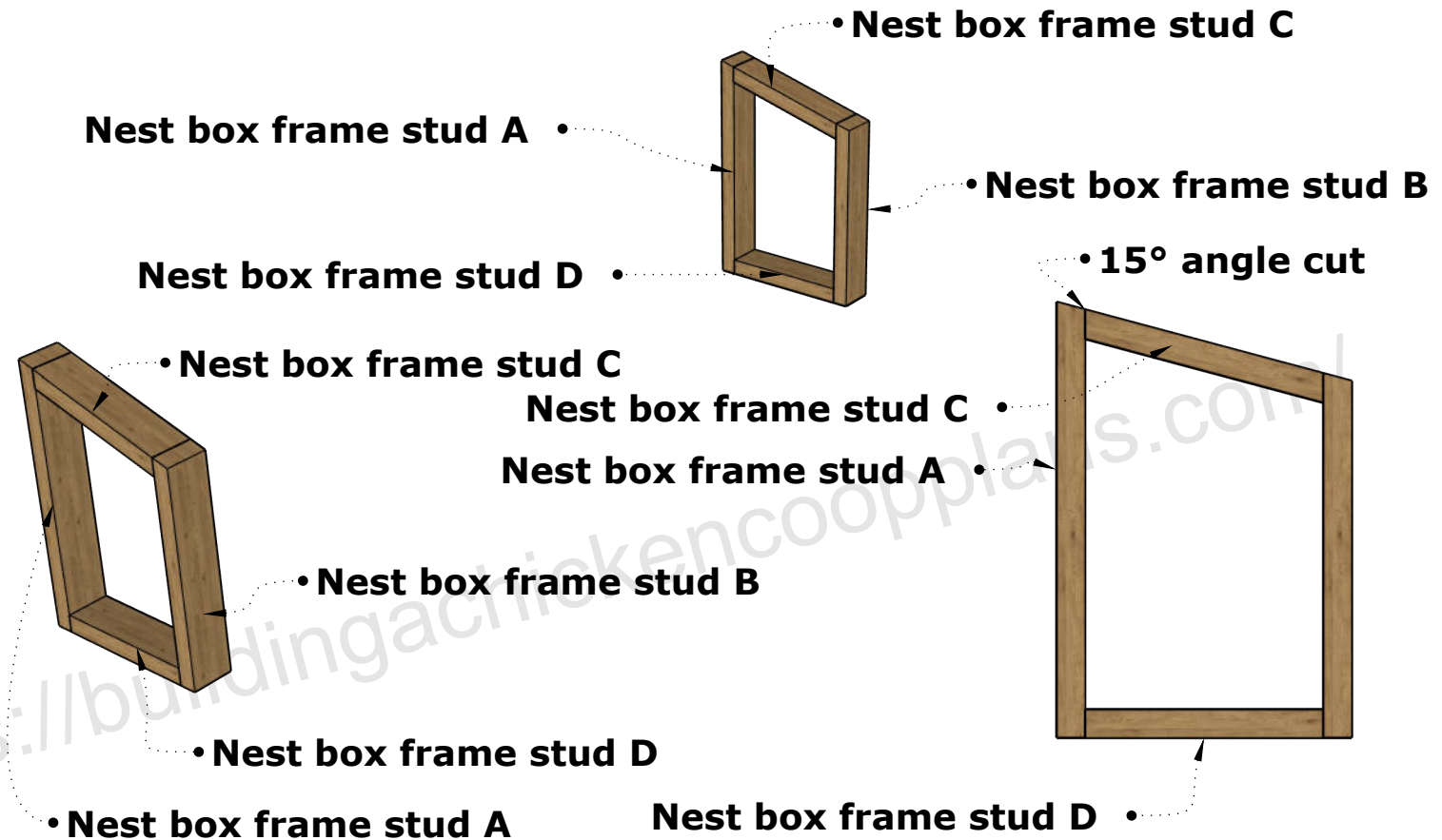
- Install the roof rafters on the semi-assembly with 2-1/4" wood screws as shown above.

ASSEMBLY STEP 5: FRAME (NEST BOX)

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Nest box frame stud A	2	22 7/8"	3 1/2"	1 1/2"	2x4
B	Nest box frame stud B	2	19 1/8"	3 1/2"	1 1/2"	2x4
C	Nest box frame stud C	2	13 5/16"	3 1/2"	1 1/2"	2x4
D	Nest box frame stud D	2	12 1/2"	3 1/2"	1 1/2"	2x4
E	Nest box frame stud E	3	82"	3 1/2"	1 1/2"	2x4
F	Nest box frame stud F	1	82"	3 1/2"	1 1/2"	2x4
G	Nest box floor panel G	1	89"	12 1/2"	3/4"	Plywood
H	Nest box frame stud H	4	12 1/8"	3 1/2"	1 1/2"	2x4
I	Nest box divider I	4	16 7/8"	12 1/2"	3/4"	Plywood

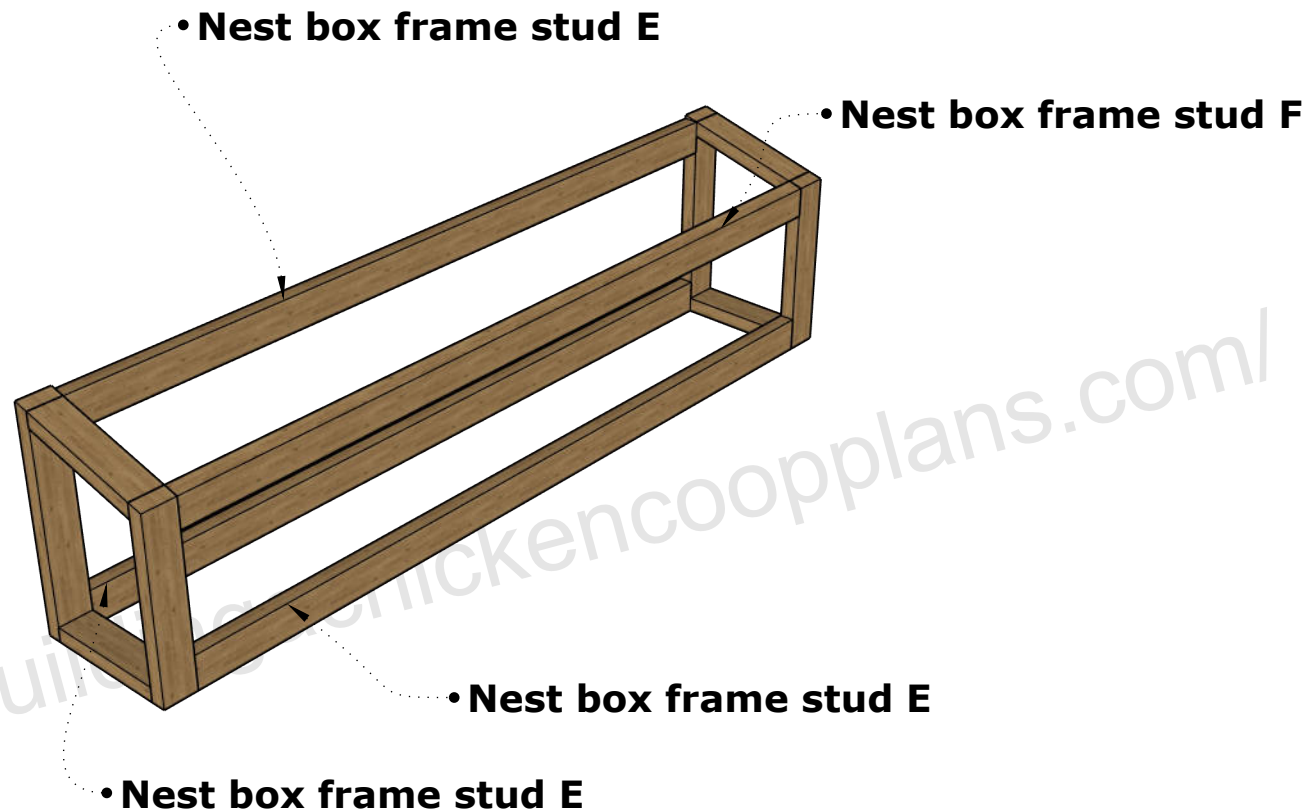
<https://buildingachickencoop.com>

ASSEMBLY STEP 5: FRAME (NEST BOX)



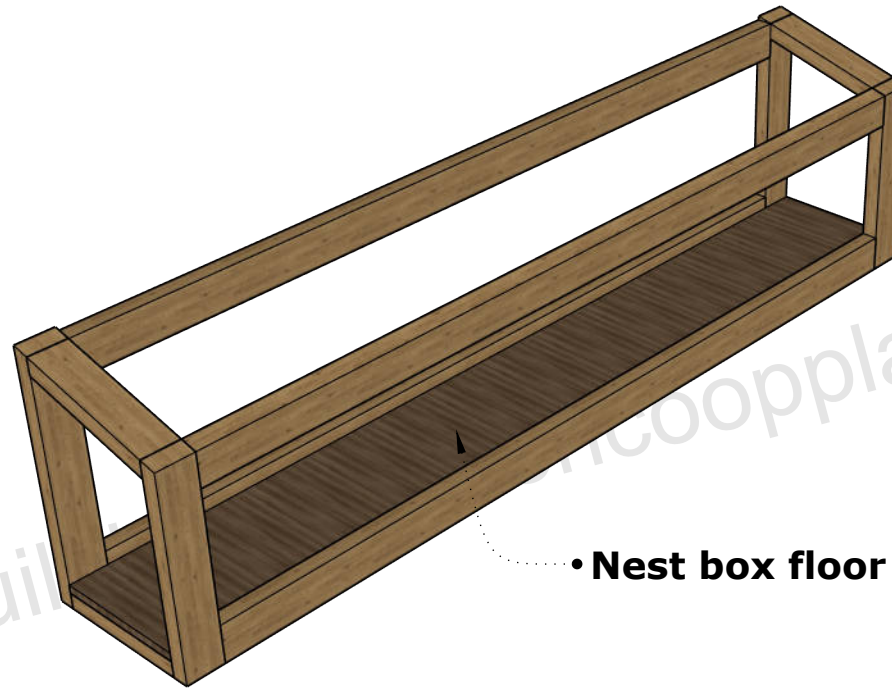
- Prepare and connect the nest box parts as shown above. Use 2-1/4" wood screws.

ASSEMBLY STEP 5: FRAME (NEST BOX)



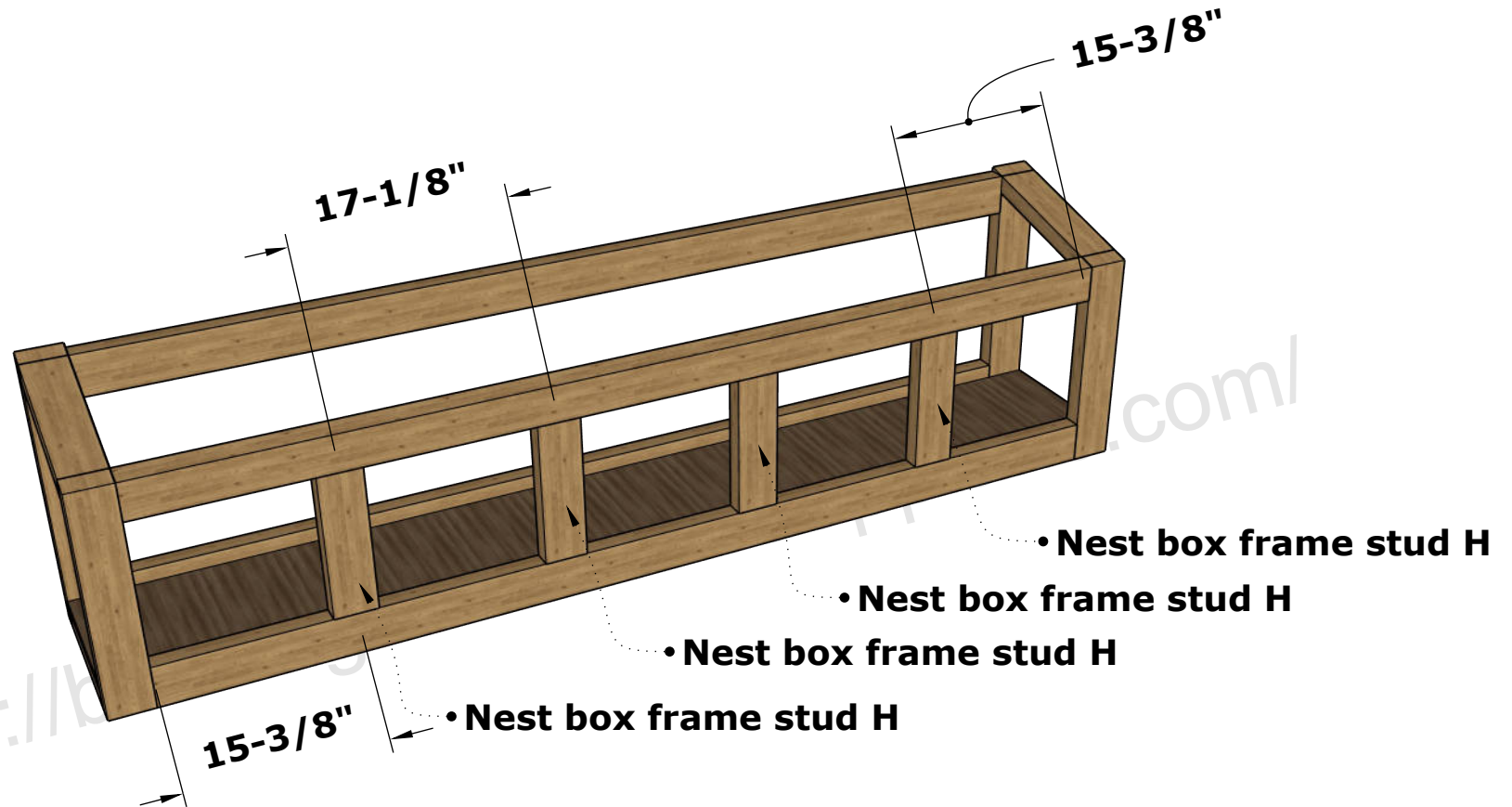
- Connect the nest box stud E and F to the semi-assembly as shown above using 2-1/4" wood screws.

ASSEMBLY STEP 5: FRAME (NEST BOX)



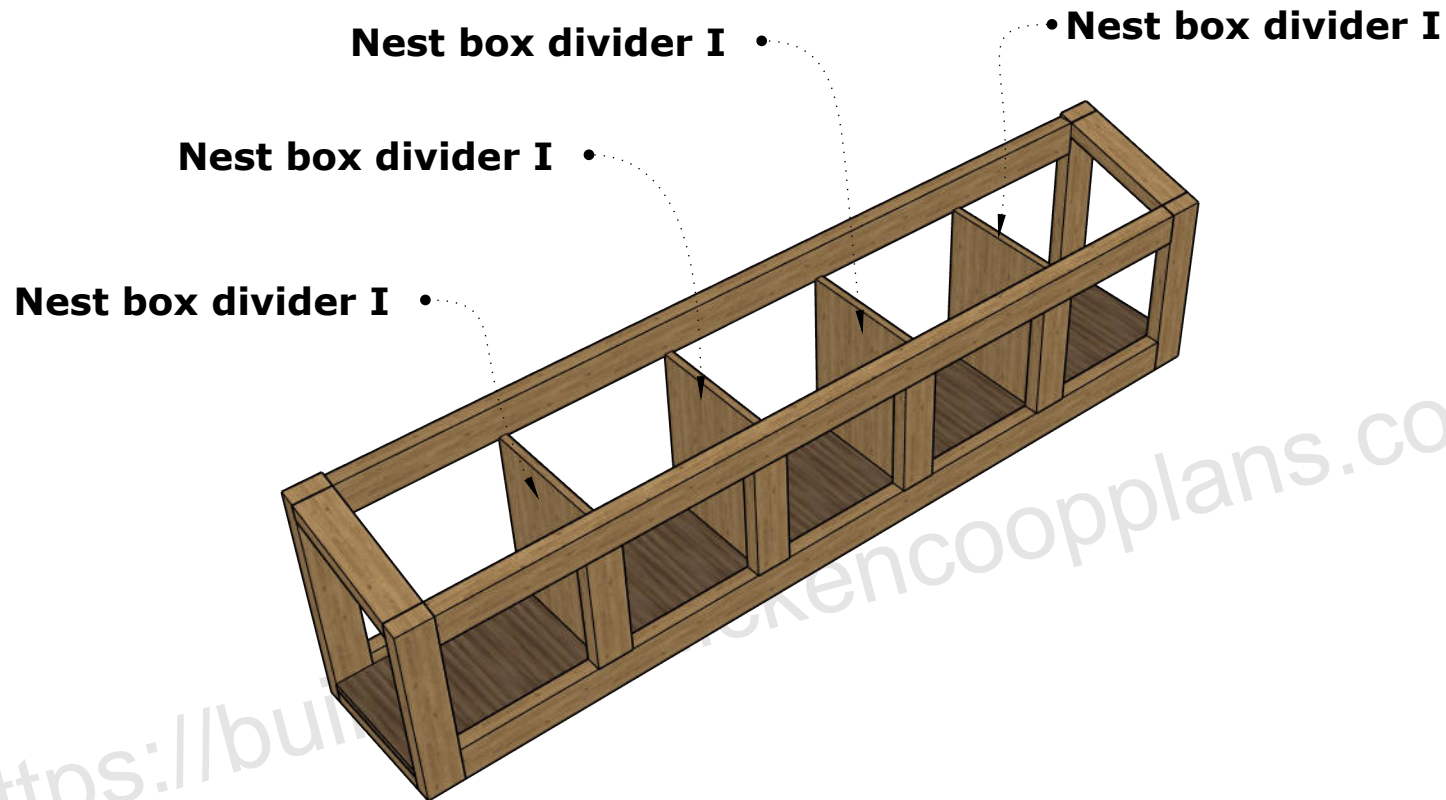
- Install the nest box floor panel G to the semi-assembly as shown above. Use 1-1/2" wood screws.

ASSEMBLY STEP 5: FRAME (NEST BOX)



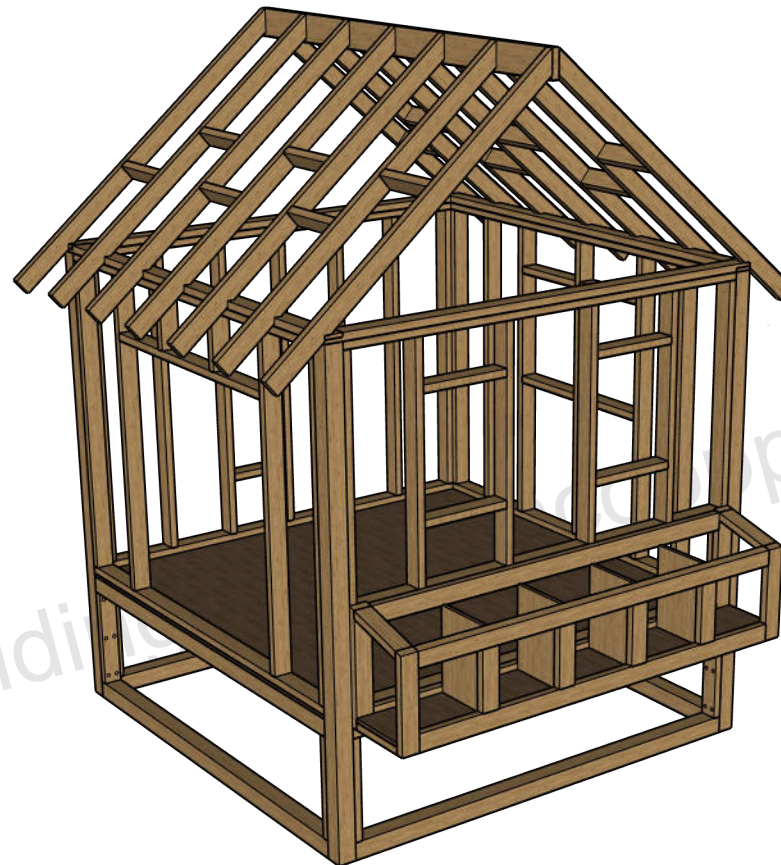
- Connect the nest box frame stud H to the semi-assembly as shown above. Use 1-1/2" wood screws.

ASSEMBLY STEP 5: FRAME (NEST BOX)



- prepare and connect the nest box divider I to the semi-assembly as shown above. Use 1-1/2" wood screws.

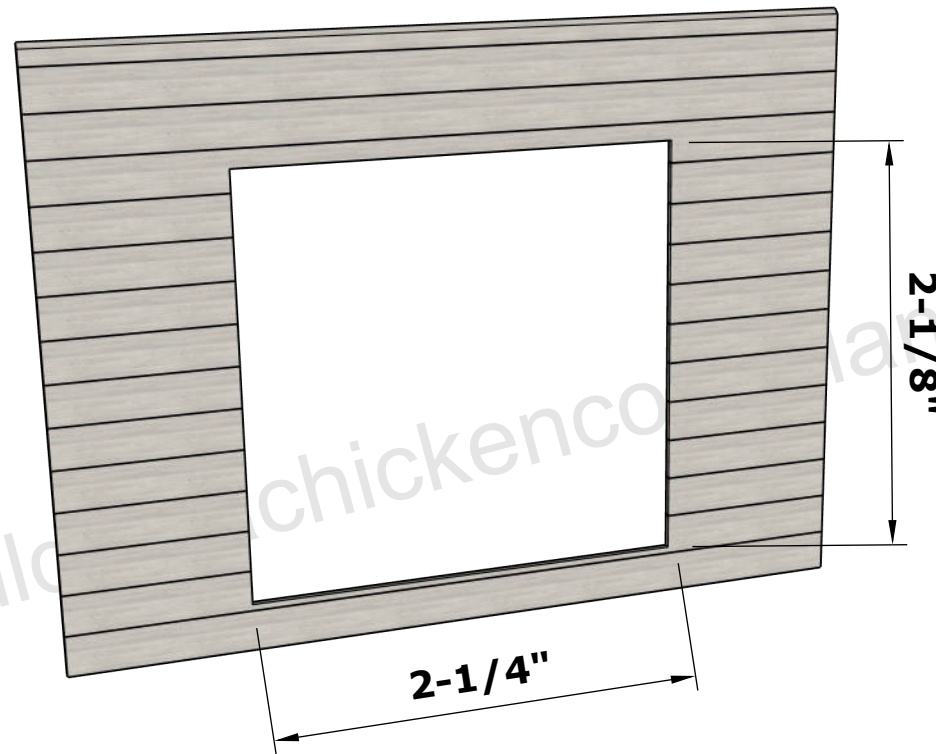
ASSEMBLY STEP 5: FRAME (NEST BOX)



- Install the finished nest box frame unto the semi-assembly as shown above. Use 2-1/4" wood screws.

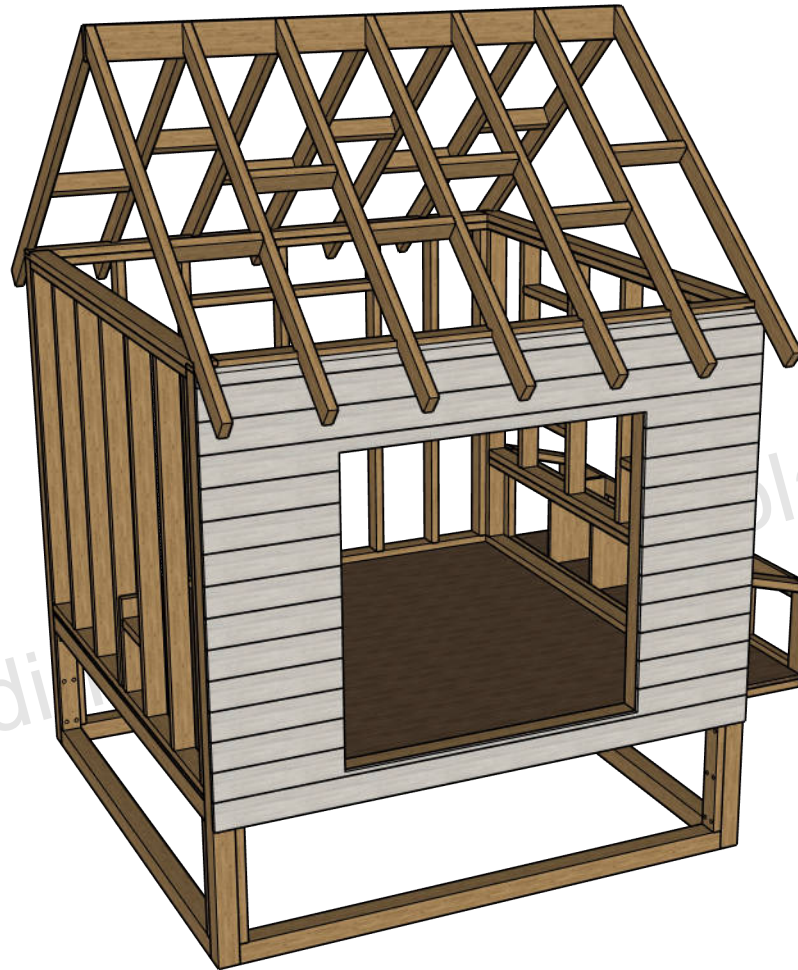
ASSEMBLY STEP 6: SIDING (FRONT)

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Siding panel A	104	97 1/2"	5"	3/4"	Plywood



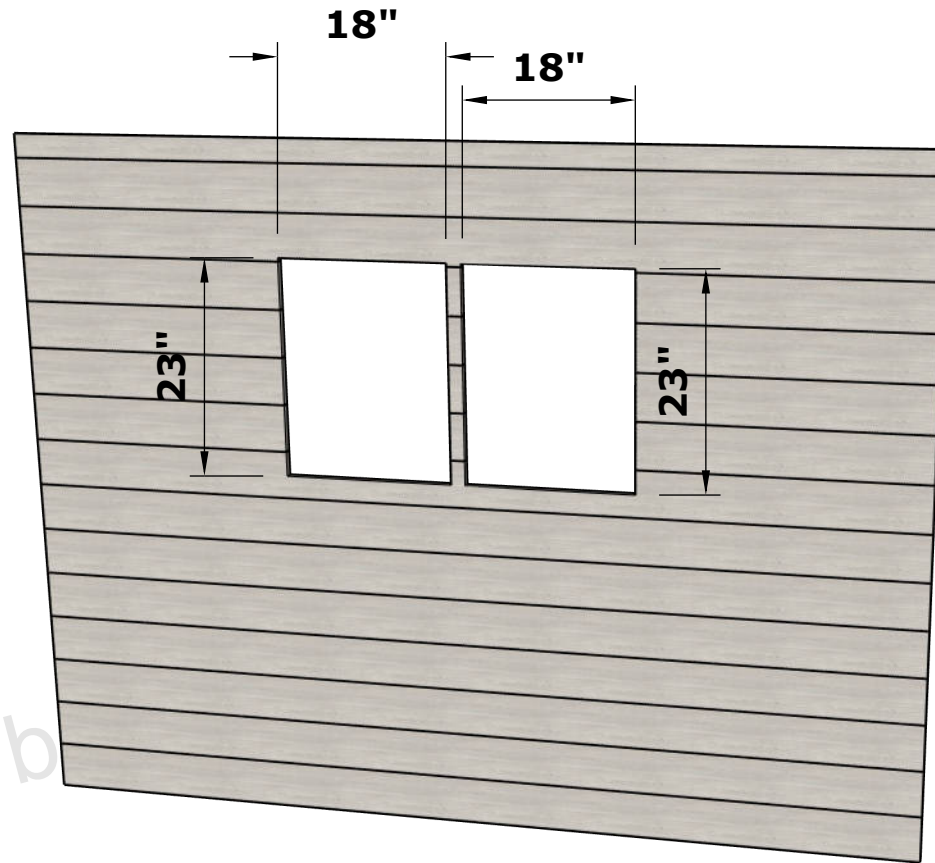
- Prepare the front wall sidings as shown above.

ASSEMBLY STEP 6: SIDING (FRONT)



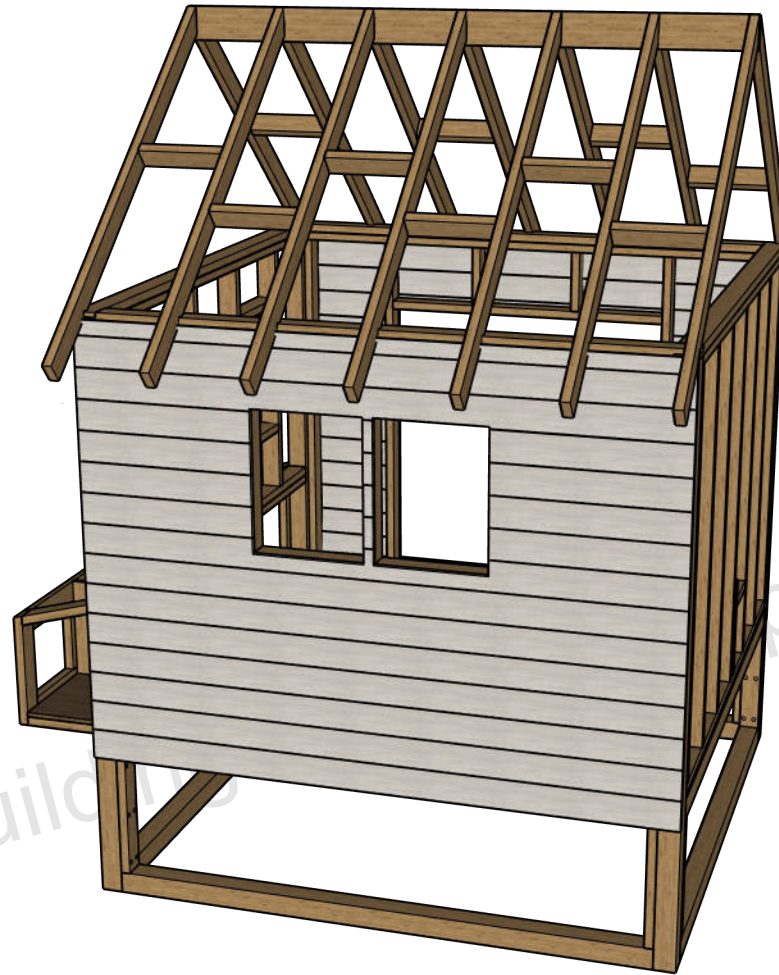
- Install the front wall sidings using 1-1/2" wood screws. Make opening cuts where appropriate as shown above.

ASSEMBLY STEP 6: SIDING (BACK)



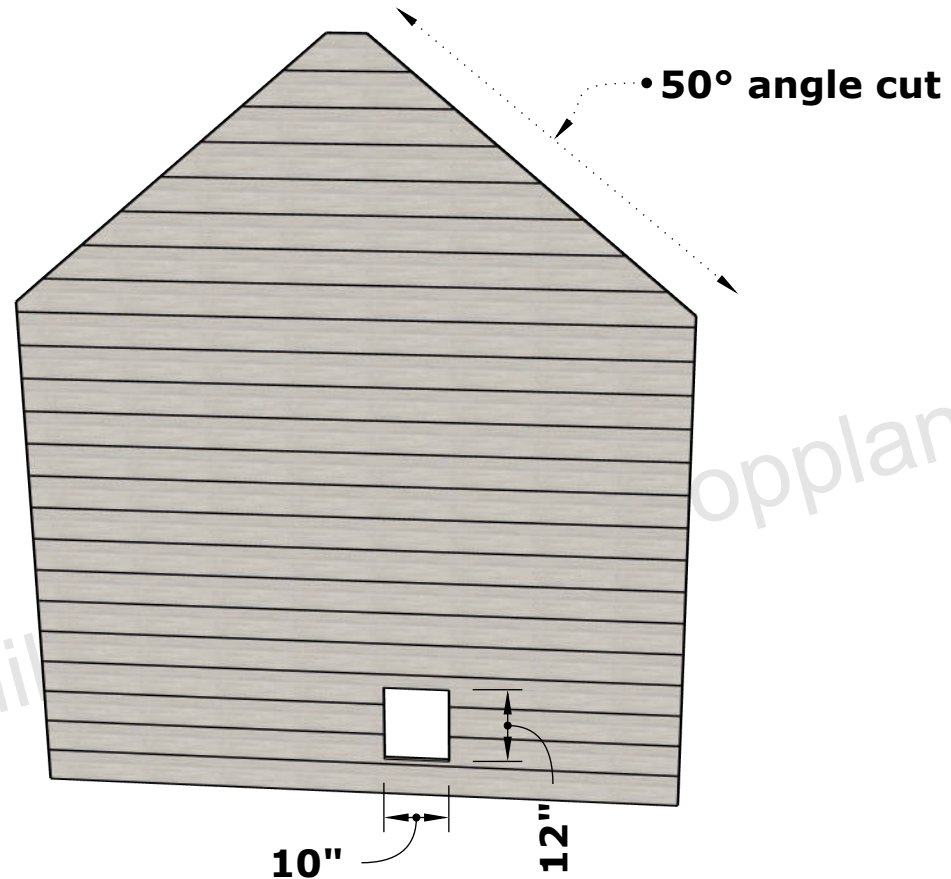
- Prepare the back wall sidings as shown above.

ASSEMBLY STEP 6: SIDING (BACK)



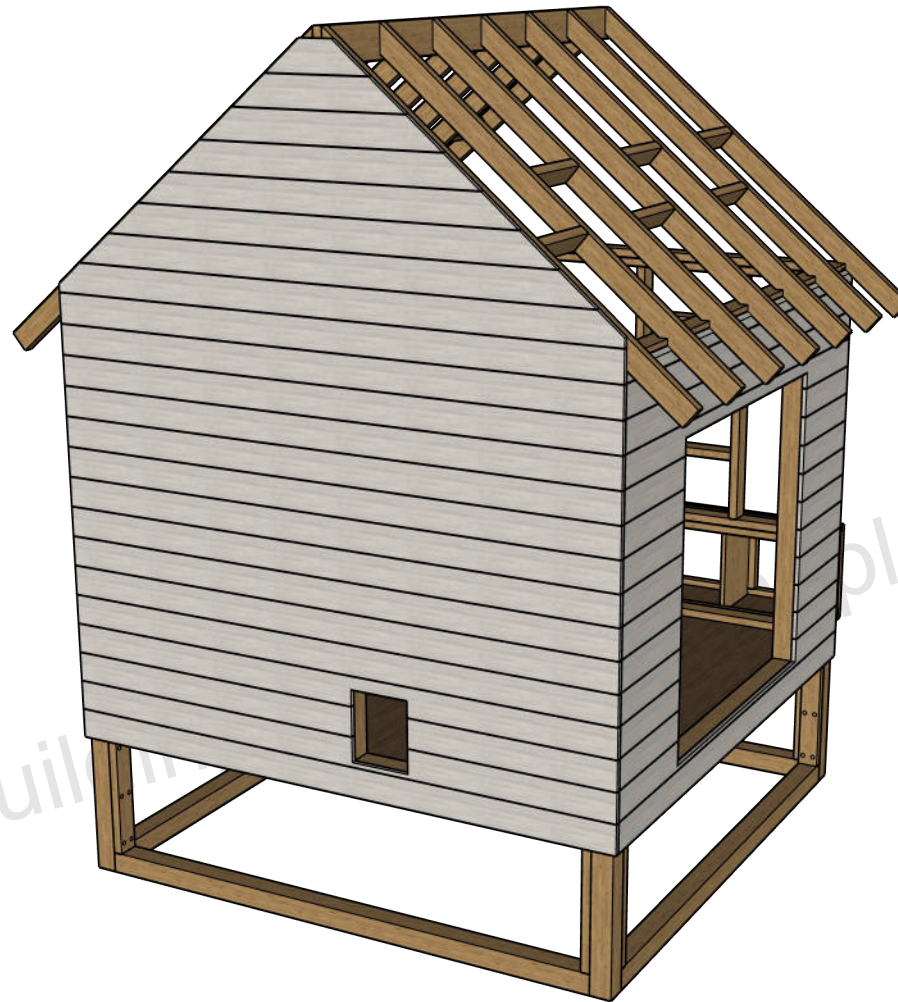
- Install the back wall sidings using 1-1/2" wood screws. Make opening cuts where appropriate as shown above.

ASSEMBLY STEP 6: SIDING (LEFT)



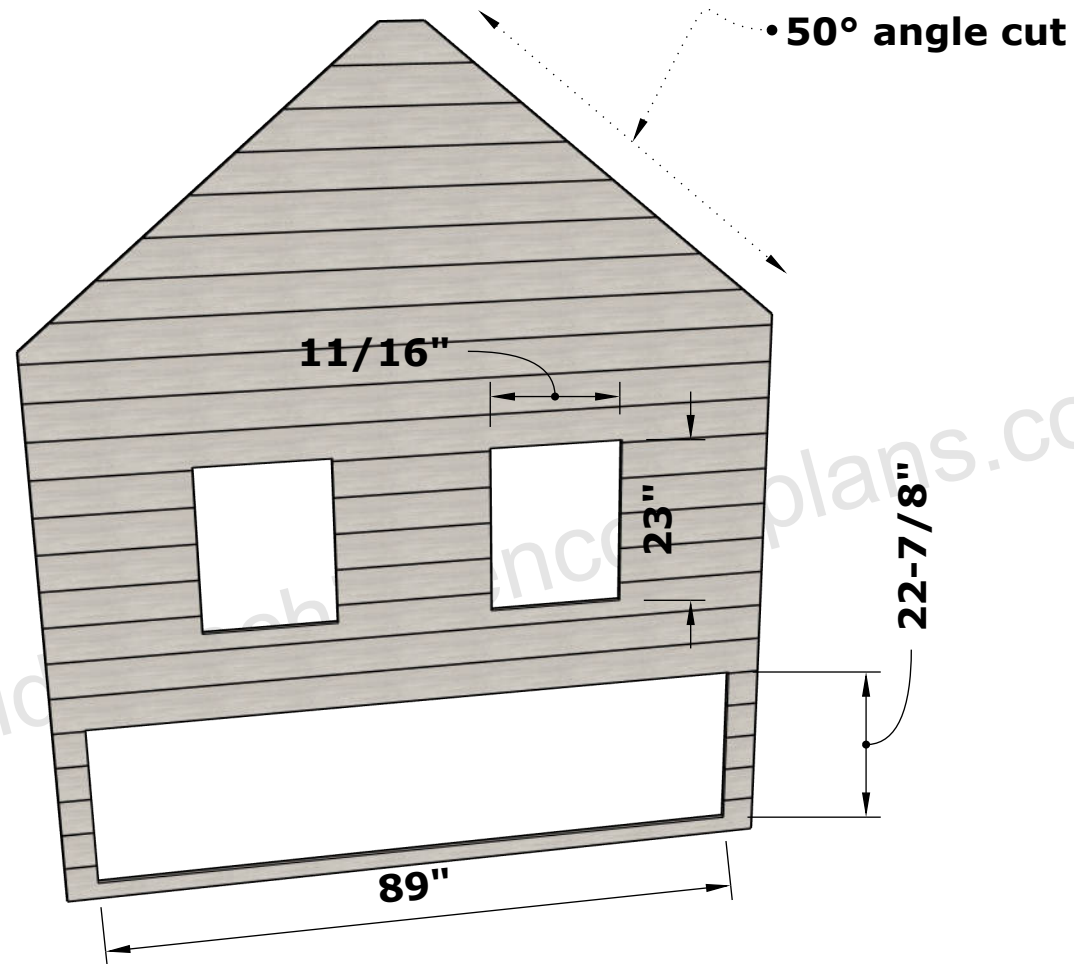
- Prepare the left wall sidings as shown above.

ASSEMBLY STEP 6: SIDING (LEFT)



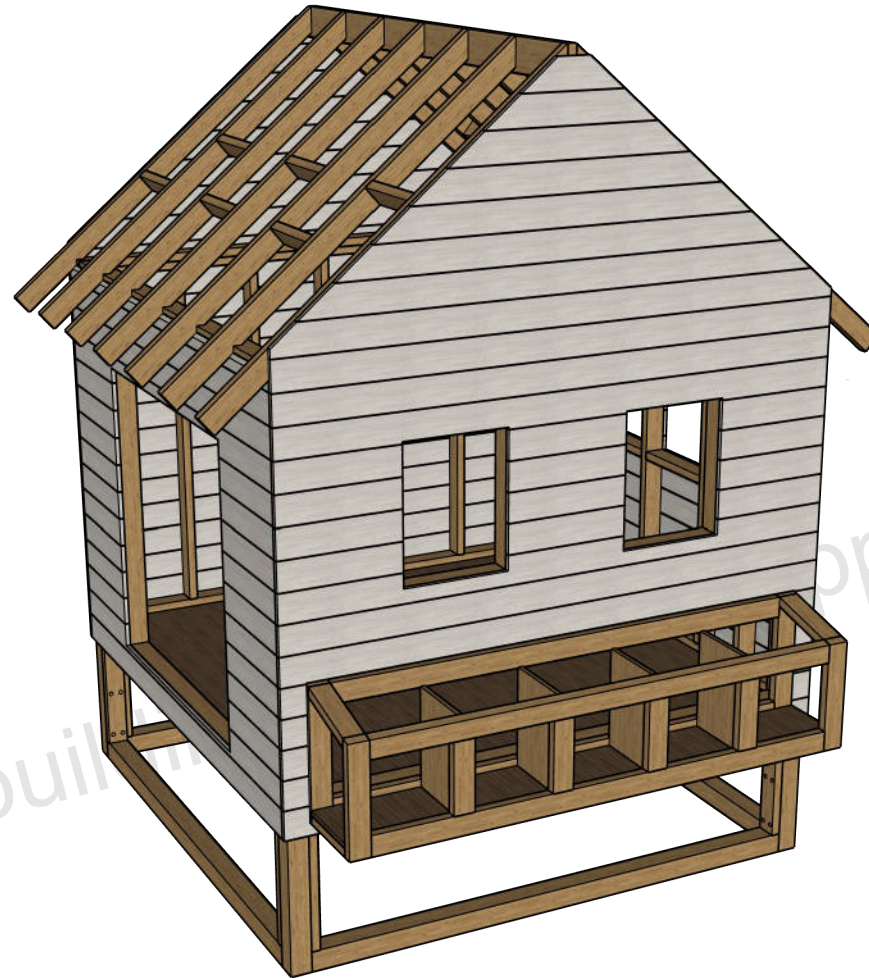
- Install the left wall sidings using 1-1/2" wood screws. Make opening cuts where appropriate as shown above.

ASSEMBLY STEP 6: SIDING (RIGHT)



- Prepare the right wall sidings as shown above.

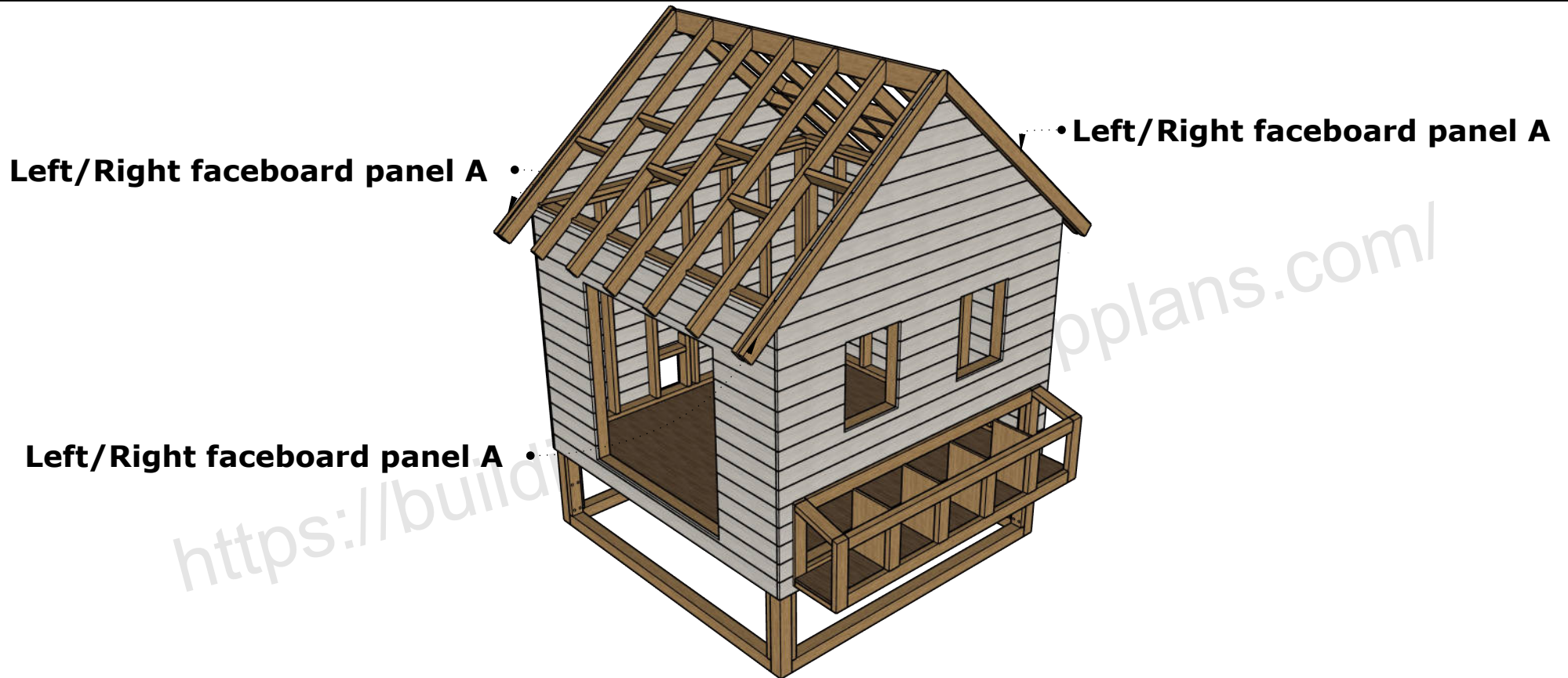
ASSEMBLY STEP 6: SIDING (RIGHT)



- Install the right wall sidings using 1-1/2" wood screws. Make opening cuts where appropriate as shown above.

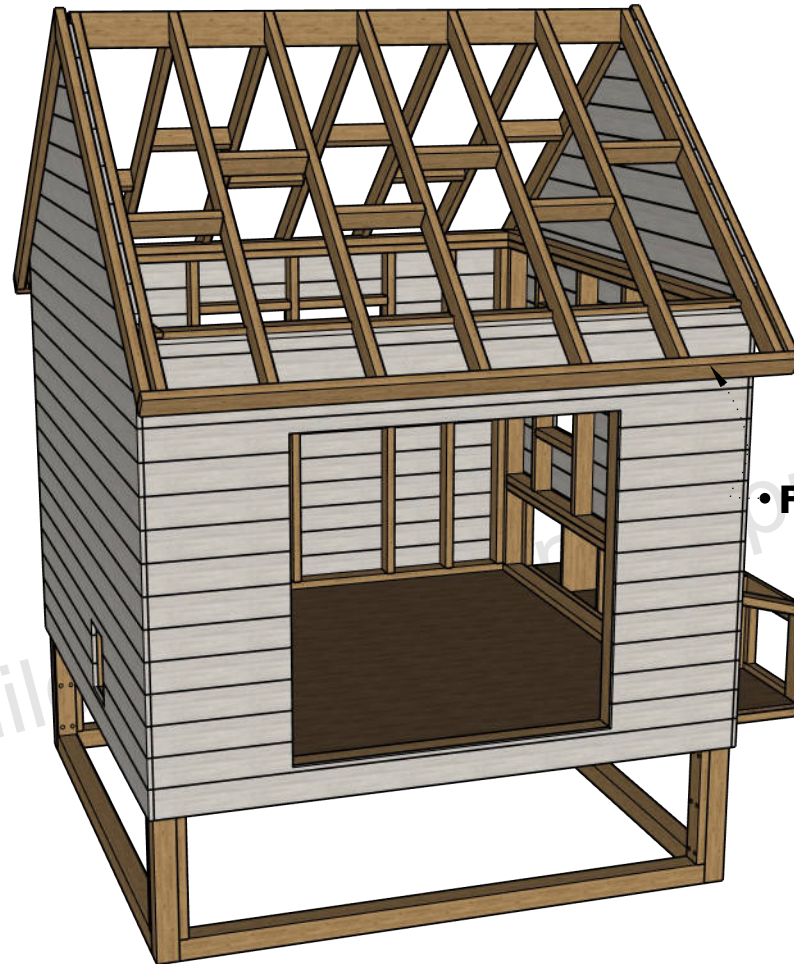
ASSEMBLY STEP 7: FACEBOARD (LEFT/RIGHT)

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Left/Right faceboard panel A	4	77 5/8"	3 1/2"	1 1/2"	2x4
B	Front/Back faceboard panel B	2	100 1/2"	3 1/2"	1 1/2"	2x4



- Prepare and connect the left/right side face board A to the semi-assembly as shown above. Use 2-1/4" wood screws.

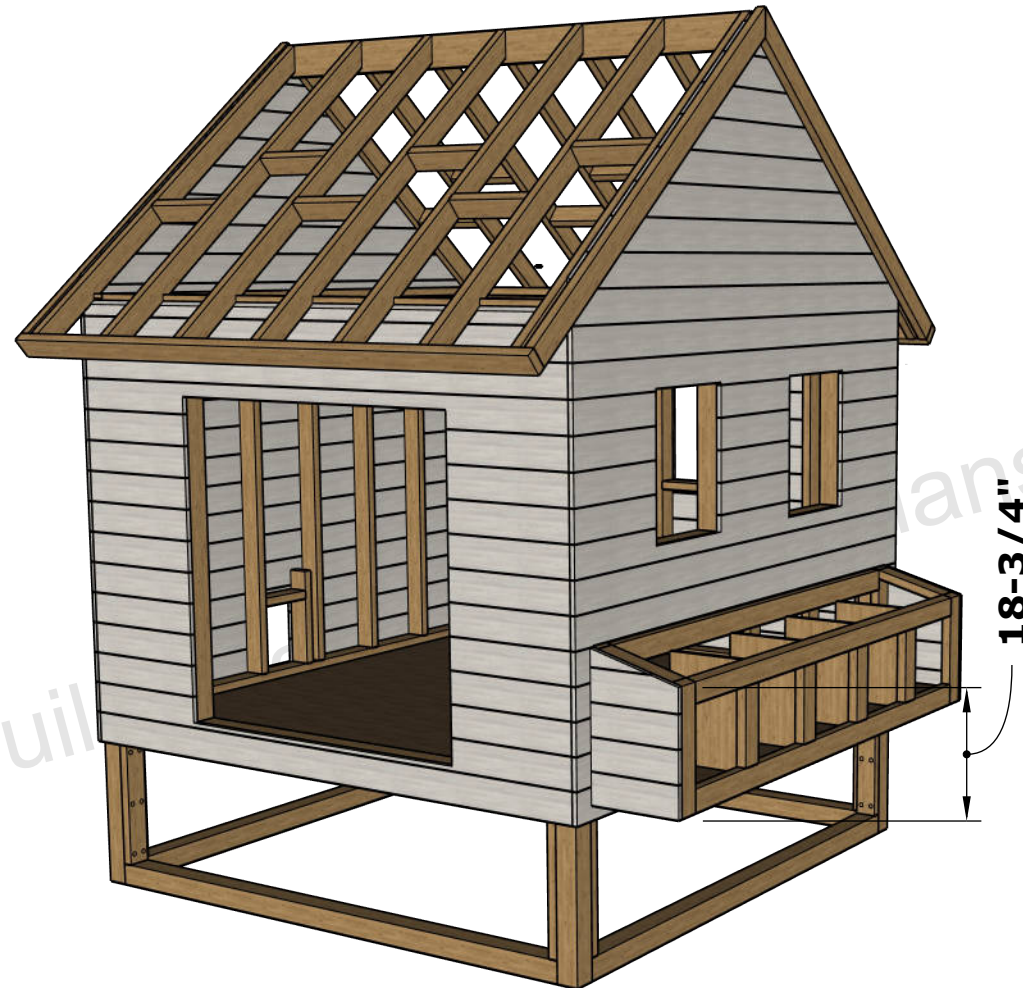
ASSEMBLY STEP 7: FACEBOARD (FRONT/BACK)



• Front/Back faceboard panel B

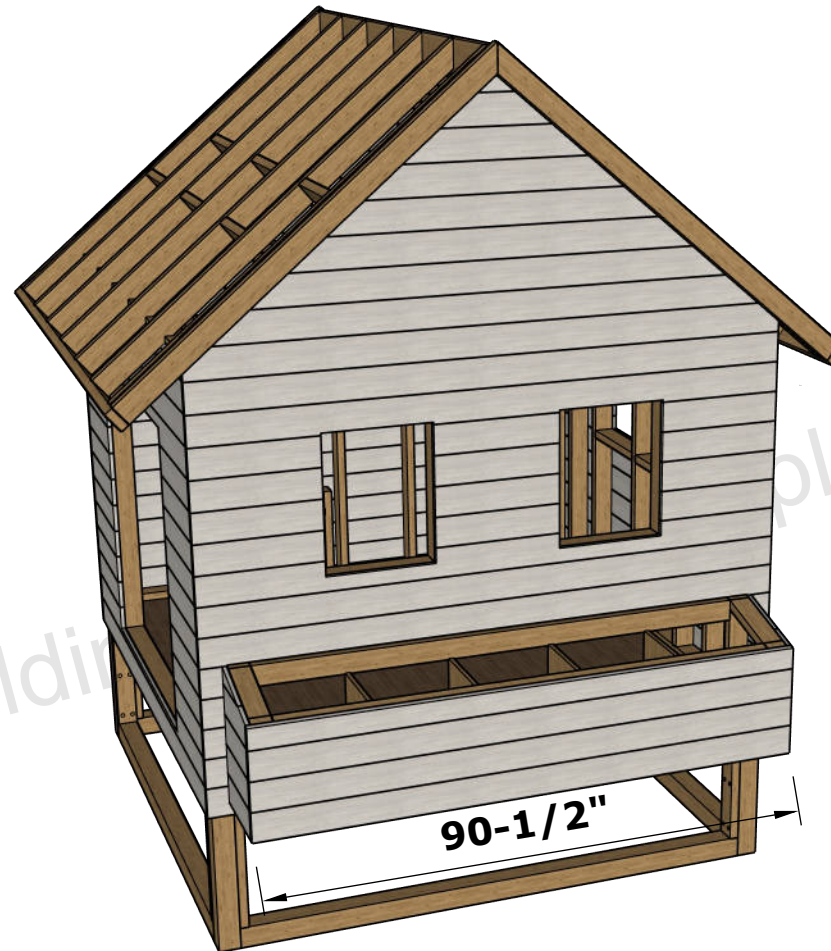
- Prepare and connect the front/back face board B to the semi-assembly as shown above. Use 2-1/4" wood screws as shown above.

ASSEMBLY STEP 8: NEST BOX WALL (FRONT/BACK)



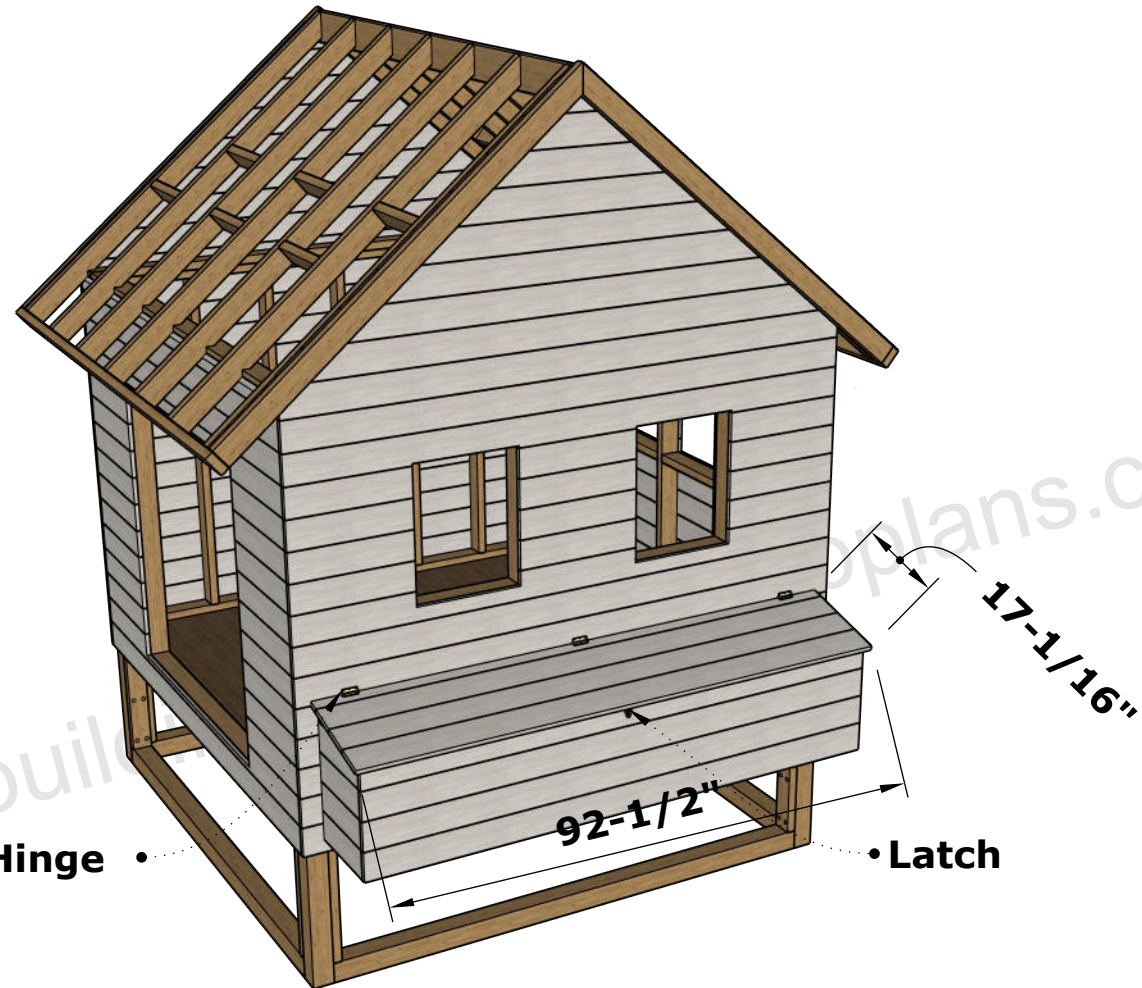
- Connect the nest box front/back wall siding to the semi-assembly as shown above. Use 1-1/2" wood screws.

ASSEMBLY STEP 8: NEST BOX WALL (RIGHT)



- Connect the nest box right wall siding to the semi-assembly as shown above. Use 1-1/2" wood screws.

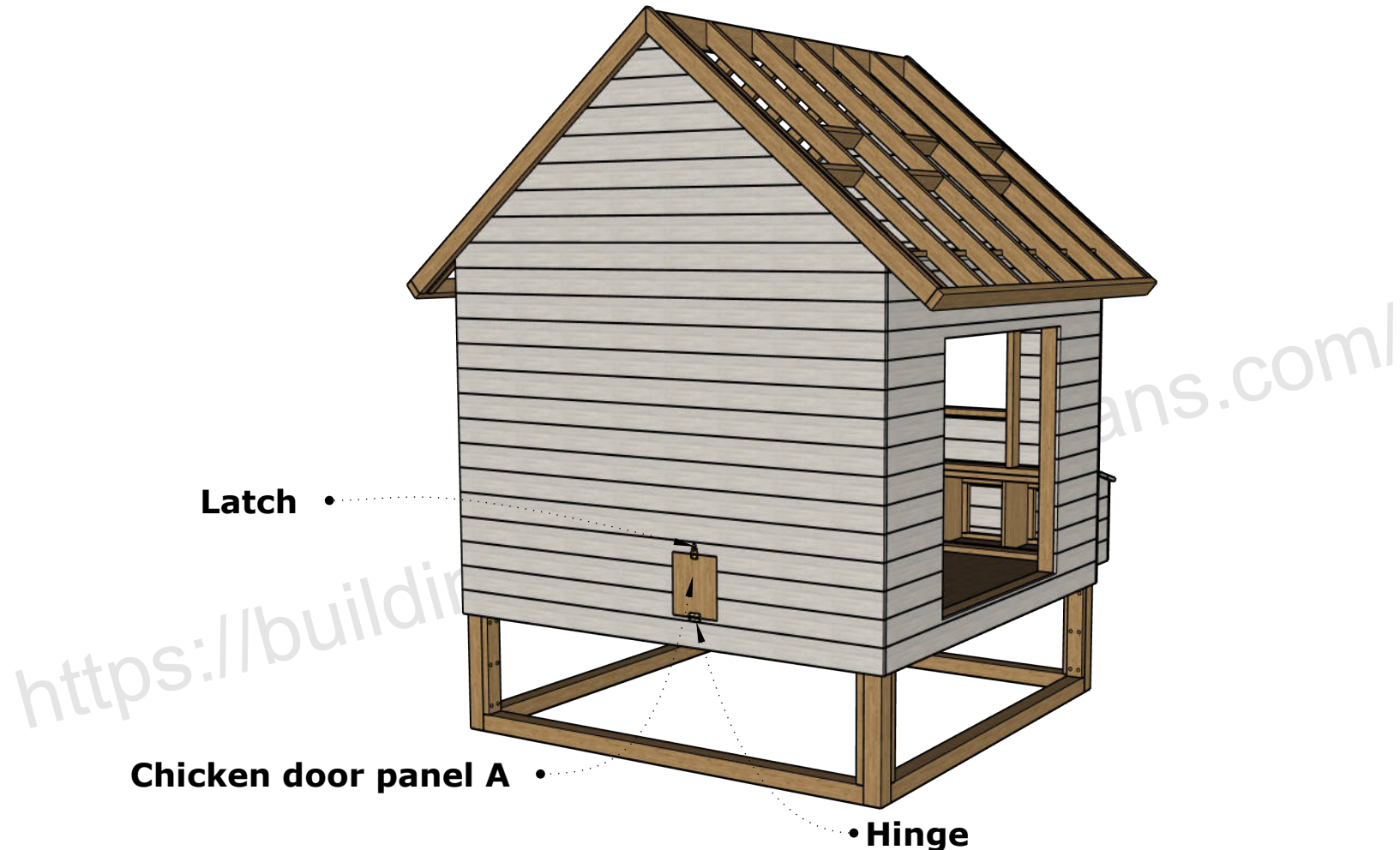
ASSEMBLY STEP 8: NEST BOX DOOR



- Connect the nest box door with hinge and latch to the semi-assembly as shown above. Use 1-1/2" wood screws.

ASSEMBLY STEP 9: CHICKEN DOOR

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Chicken door panel A	1	11 15/16"	9 15/16"	3/4"	Plywood



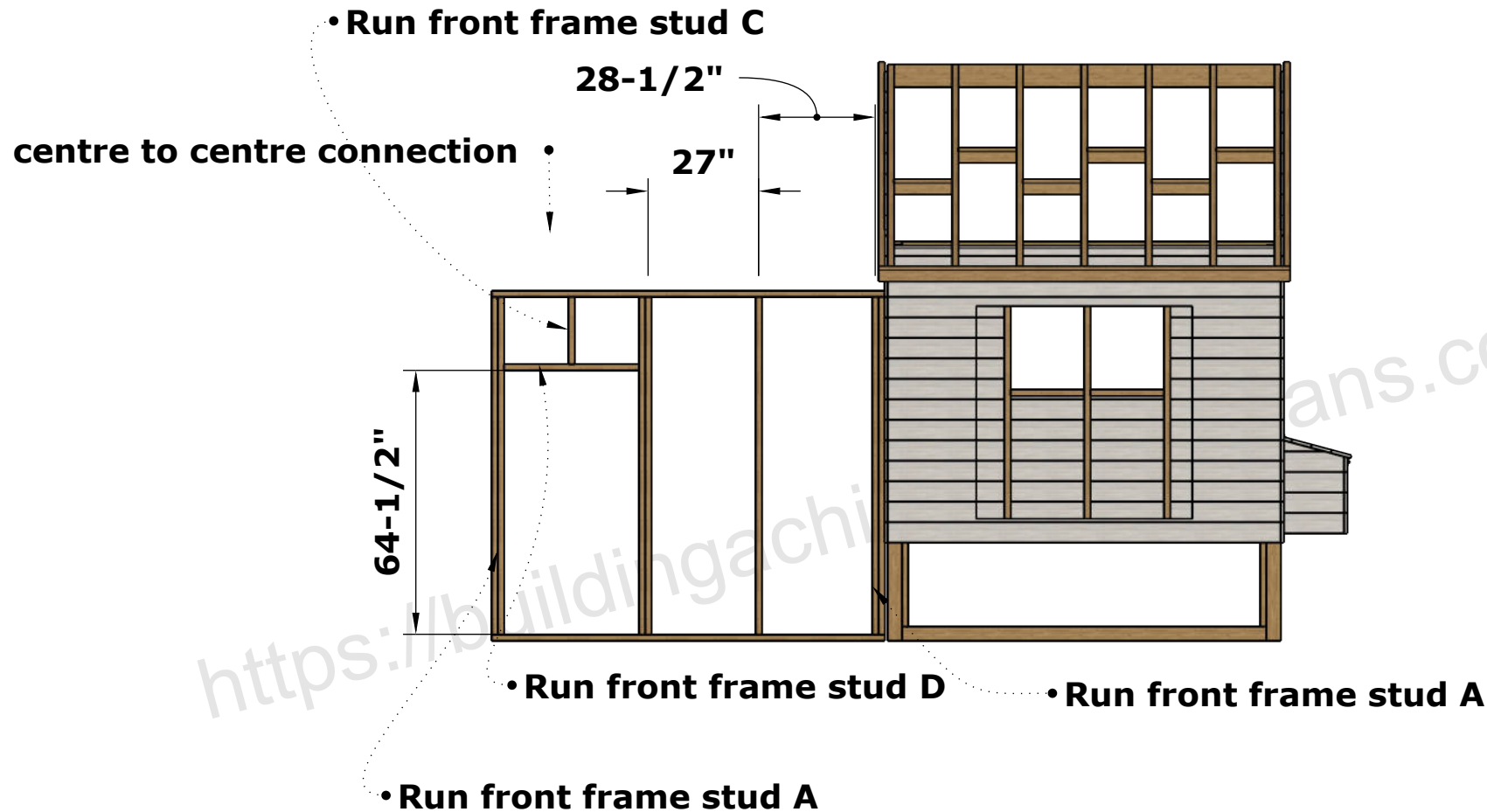
- Connect the chicken door panel with latch and hinge to the semi-assembly as shown above.

ASSEMBLY STEP 10: RUN FRAME (FRONT)

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Run front frame stud A	7	82 1/2"	3 1/2"	1 1/2"	2x4
B	Run front frame stud B	2	96"	3 1/2"	1 1/2"	2x4
C	Run front frame stud C	1	16 1/2"	3 1/2"	1 1/2"	2x4
D	Run front frame stud D	1	33"	3 1/2"	1 1/2"	2x4

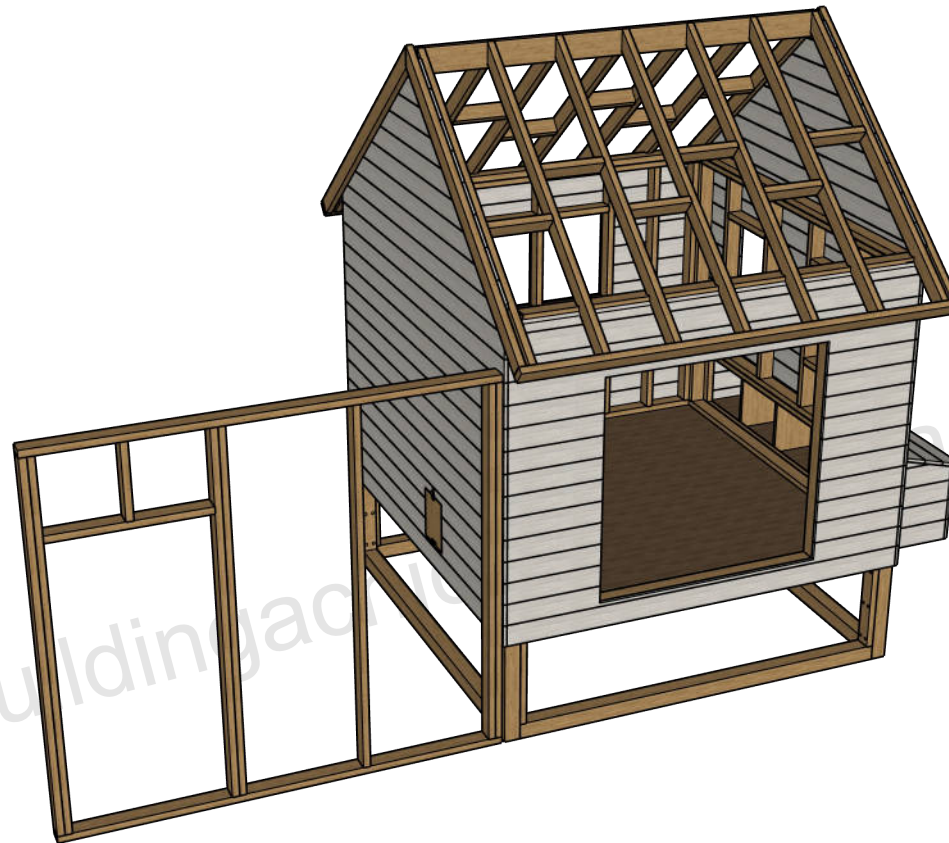
<https://buildingachickencoopplans.com>

ASSEMBLY STEP 10: RUN FRAME (FRONT)



- Prepare and connect the run front frame studs A, B, C and D together using 2-1/4" wood screws as shown above. Note that stud A is doubled on the door side and on the right edge.

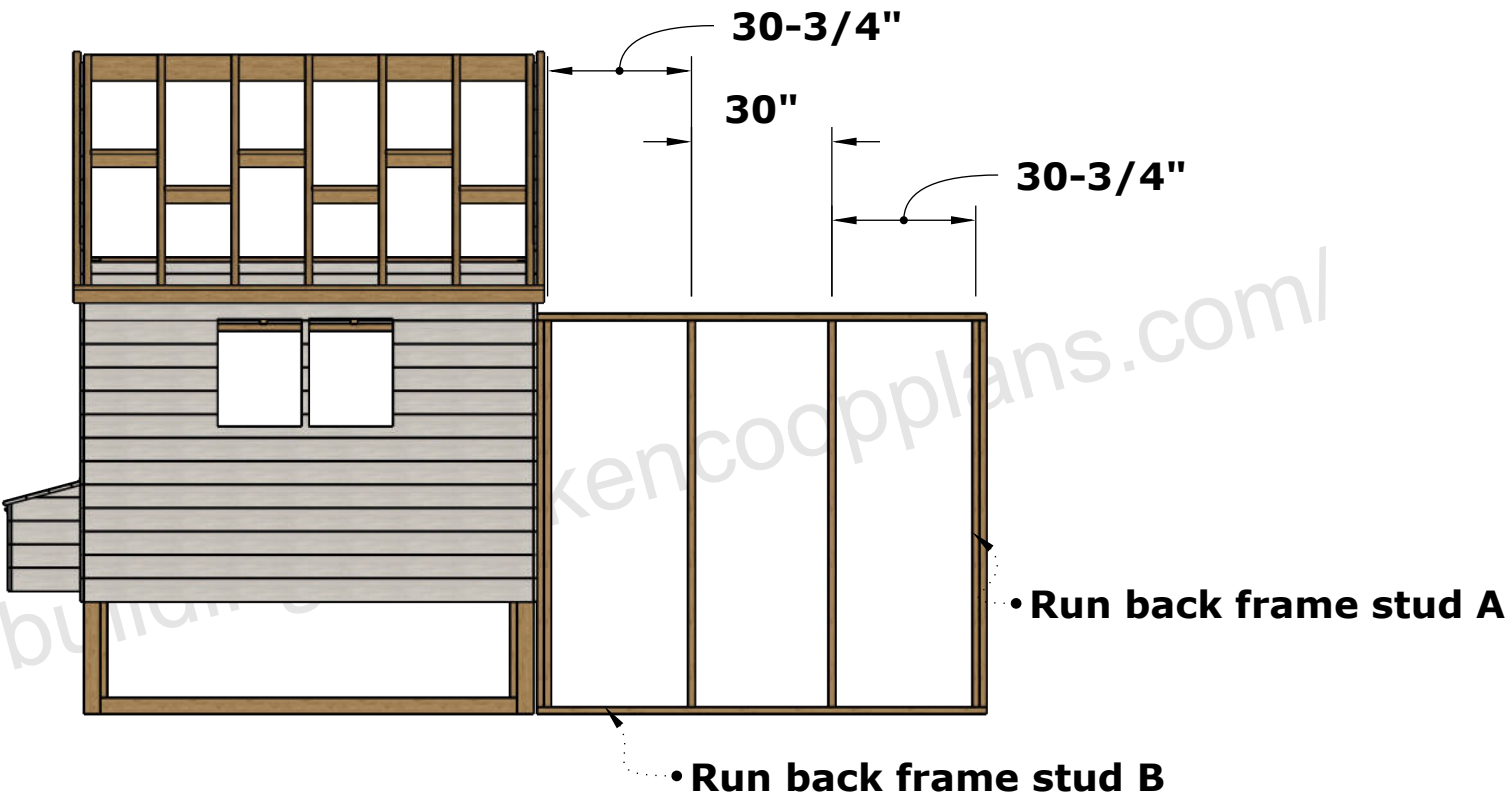
ASSEMBLY STEP 10: RUN FRAME (FRONT)



- Install the run front frame on the semi-assembly as shown above using 4-1/4" wood screws.

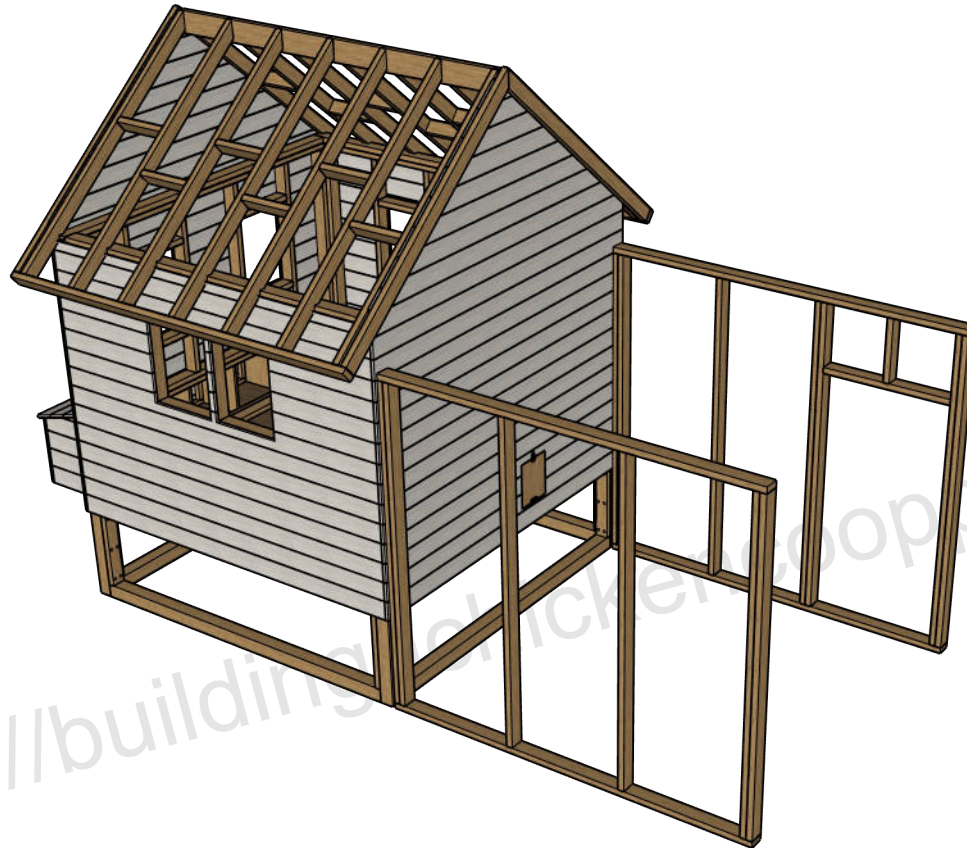
ASSEMBLY STEP 10: RUN FRAME (BACK)

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Run back frame stud A	6	82 1/2"	3 1/2"	1 1/2"	2x4
B	Run back frame stud B	2	96"	3 1/2"	1 1/2"	2x4



- Prepare and connect the run front frame studs A and B together using 2-1/4" wood screws as shown above. Note that stud A is doubled on the left and right edge.

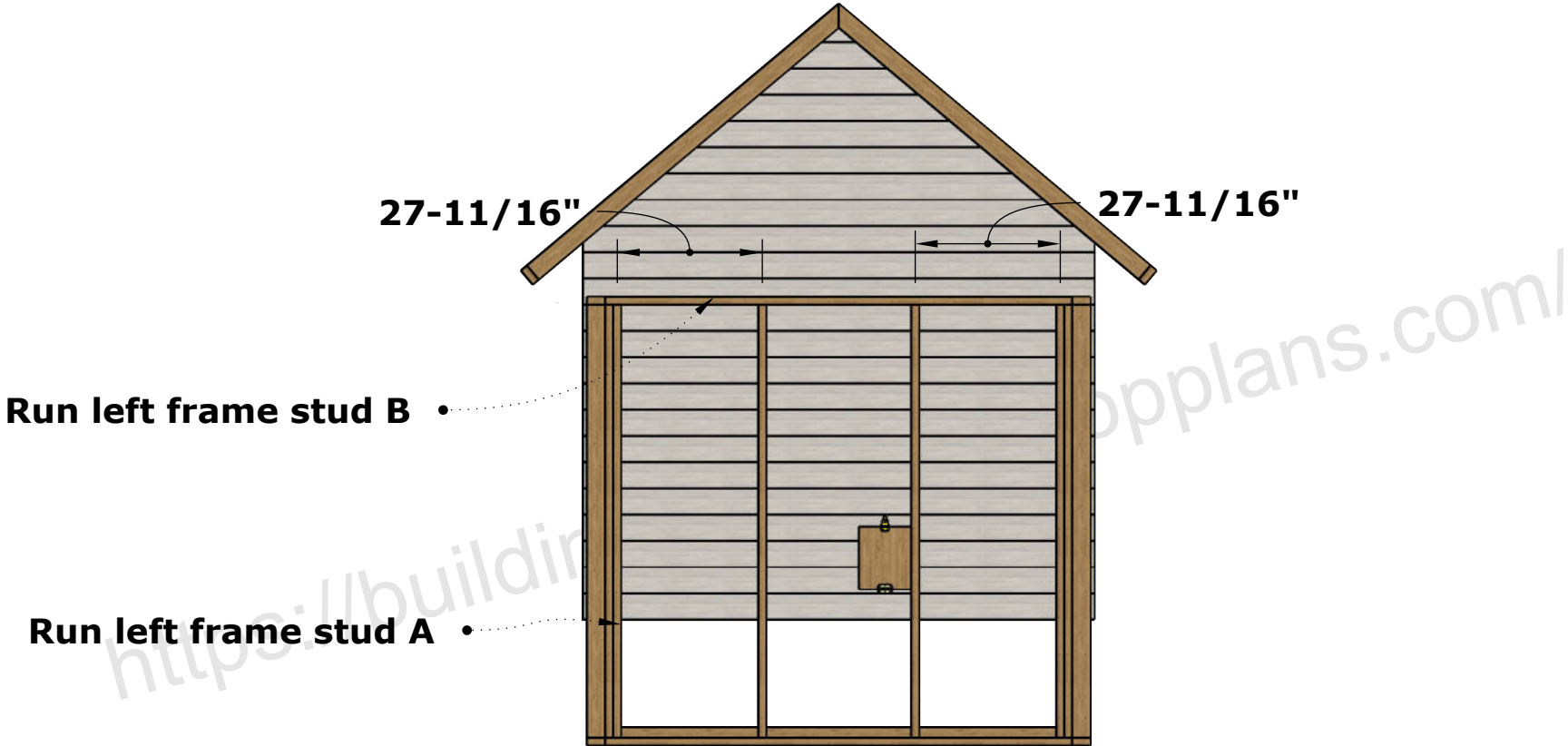
ASSEMBLY STEP 10: RUN FRAME (BACK)



- Install the run back frame on the semi-assembly as shown above using 4-1/4" wood screws.

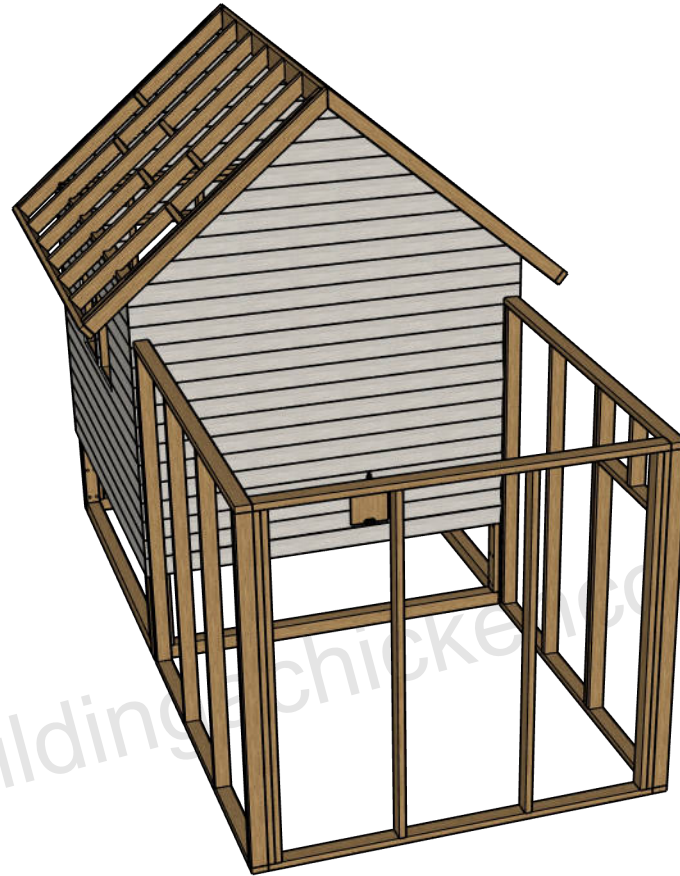
ASSEMBLY STEP 10: RUN FRAME (LEFT)

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Run left frame stud A	6	82 1/2"	3 1/2"	1 1/2"	2x4
B	Run left frame stud B	2	89"	3 1/2"	1 1/2"	2x4



- Prepare and connect the run front frame studs A and B together using 2-1/4" wood screws as shown above. Note that stud A is doubled on the left and right edge.

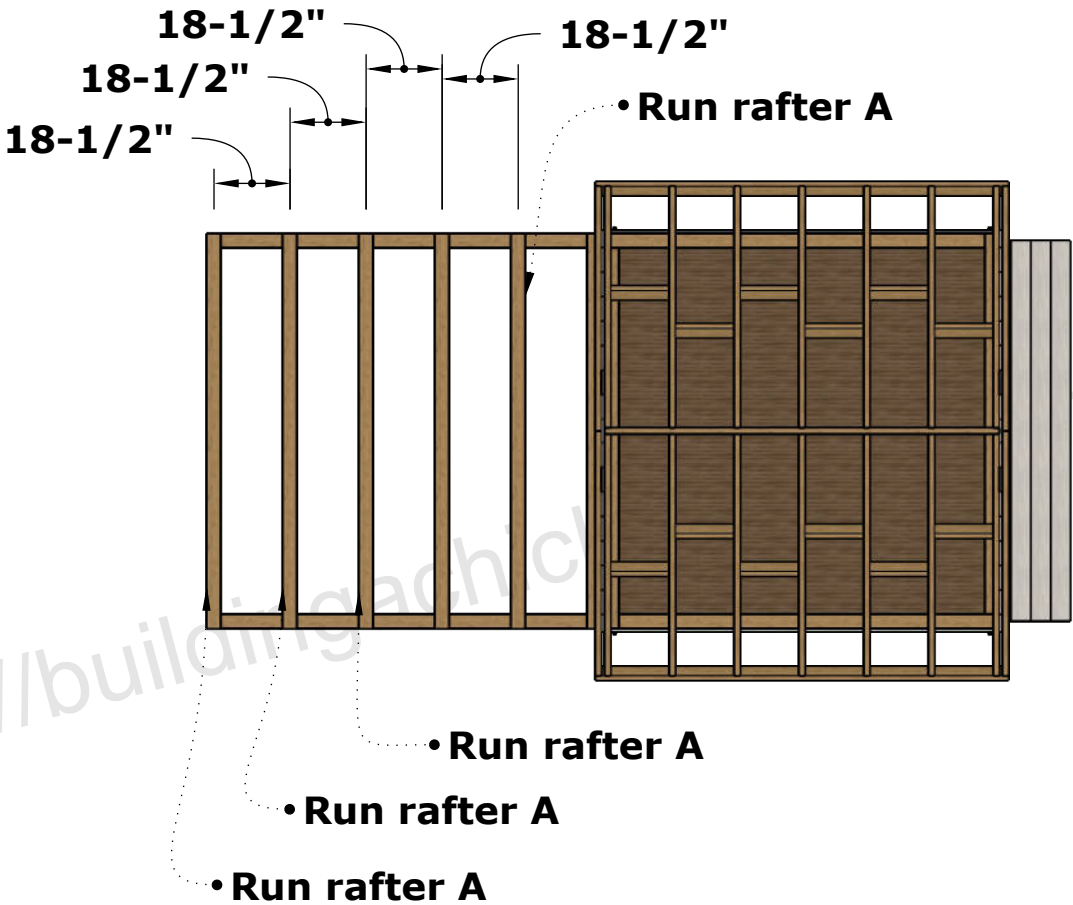
ASSEMBLY STEP 10: RUN FRAME (LEFT)



- Install the run back frame on the semi-assembly as shown above using 4-1/4" wood screws.

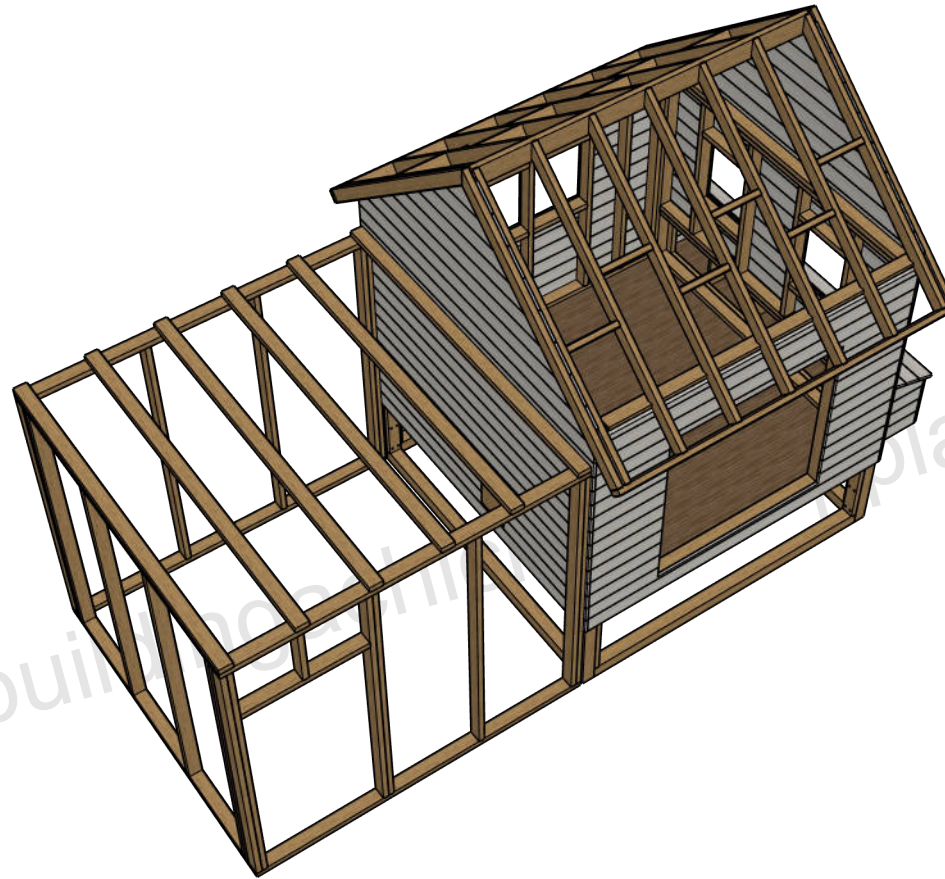
ASSEMBLY STEP 10: RUN FRAME (RAFTERS)

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Run rafter A	6	96"	3 1/2"	1 1/2"	2x4



- Prepare and connect the run rafters A to the semi-assembly as shown above. Use 2-1/4" wood screws.

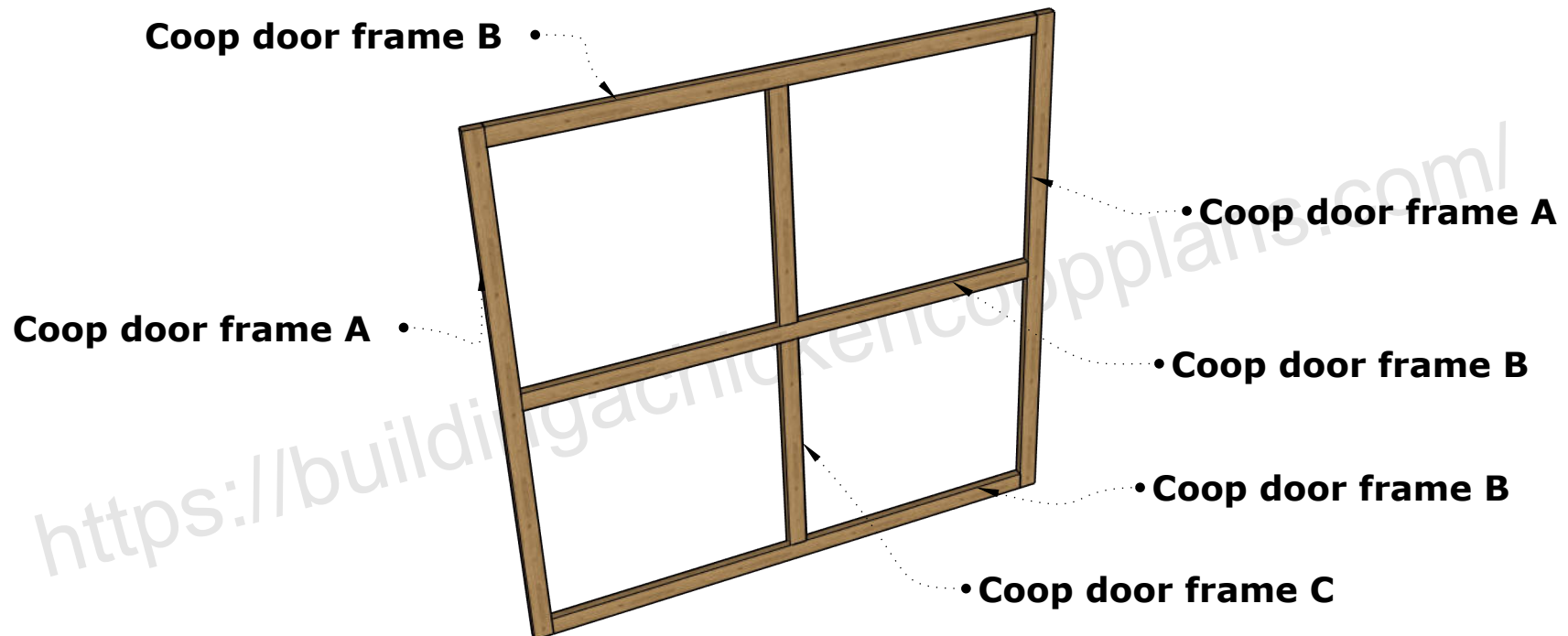
ASSEMBLY STEP 10: RUN FRAME (RAFTERS)



- Run rafters installed.

ASSEMBLY STEP 11: COOP DOOR

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Coop door frame A	2	52"	1 3/4"	3/4"	Plywood
B	Coop door frame B	3	49 5/16"	1 3/4"	3/4"	Plywood
C	Coop door frame C	1	48 1/2"	1 3/4"	3/4"	Plywood
A	Coop door back panel D	1	52 13/16"	52"	3/4"	Plywood



- Prepare and connect the coop door frame studs A, B and C together as shown above. Use 1-1/2" wood screws.

ASSEMBLY STEP 11: COOP DOOR

Coop door back panel D



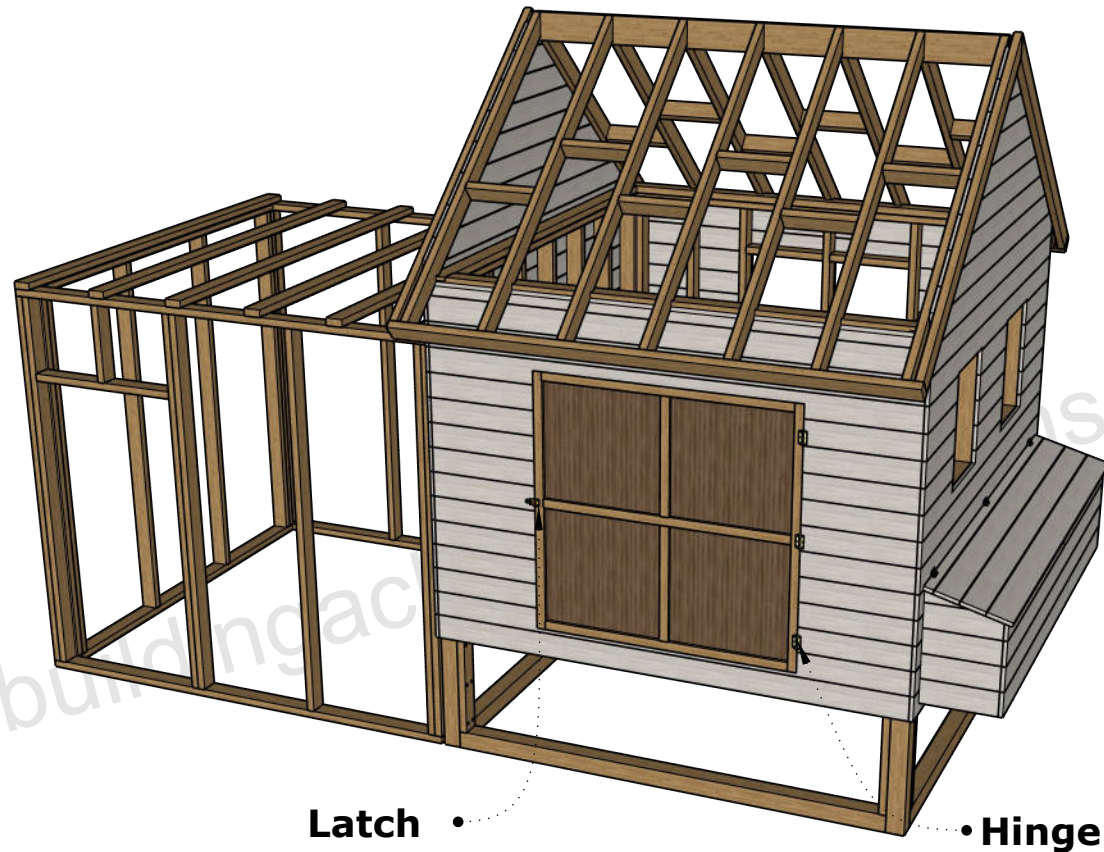
- Connect the coop door back panel to the frame as shown above.

ASSEMBLY STEP 11: COOP DOOR



- Coop door.

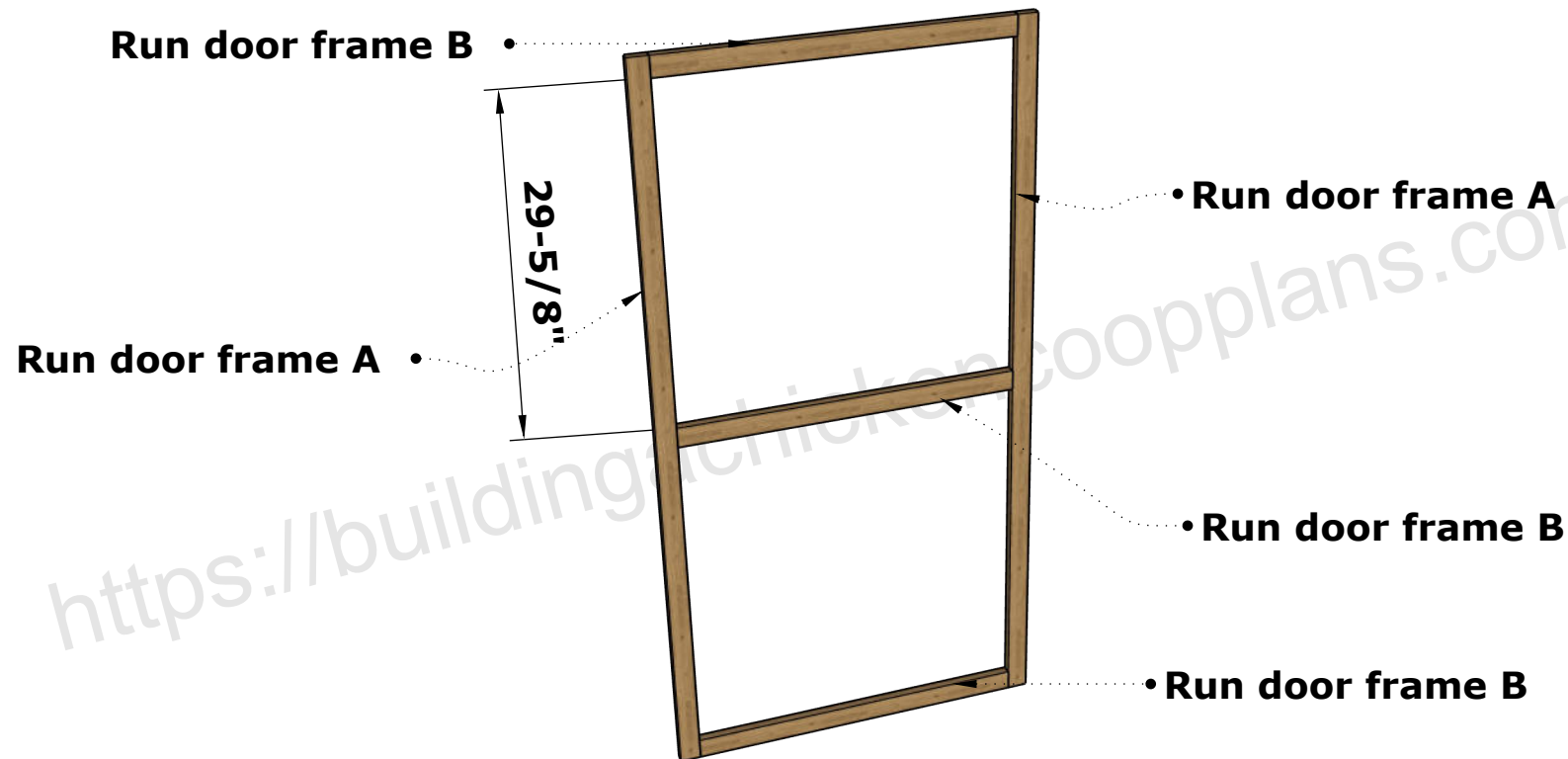
ASSEMBLY STEP 11: COOP DOOR



- Install the coop door on the semi-assembly using hinge and latch as shown above.

ASSEMBLY STEP 12: RUN DOOR

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Run door frame A	2	64 1/2"	1 3/4"	3/4"	Plywood
B	Run door frame B	3	29 1/2"	1 3/4"	3/4"	Plywood
C	Run door back panel C	1	64 1/2"	33"	3/4"	Plywood



- Prepare and connect the run door frame parts A and B together as shown above using 1-1/2" wood screws.

ASSEMBLY STEP 12: RUN DOOR



• Run door back panel C

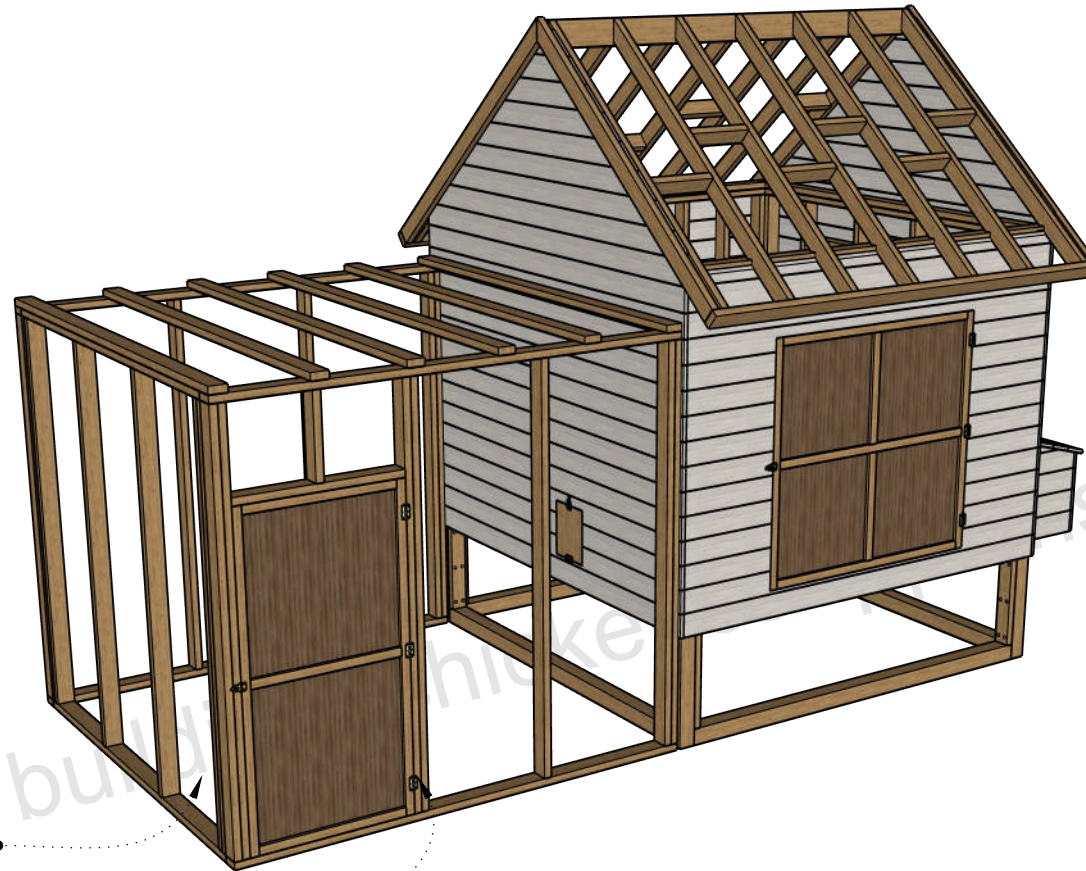
- Connect the run door back panel to the frame as shown above using 1-1/2" wood screws.

ASSEMBLY STEP 12: RUN DOOR



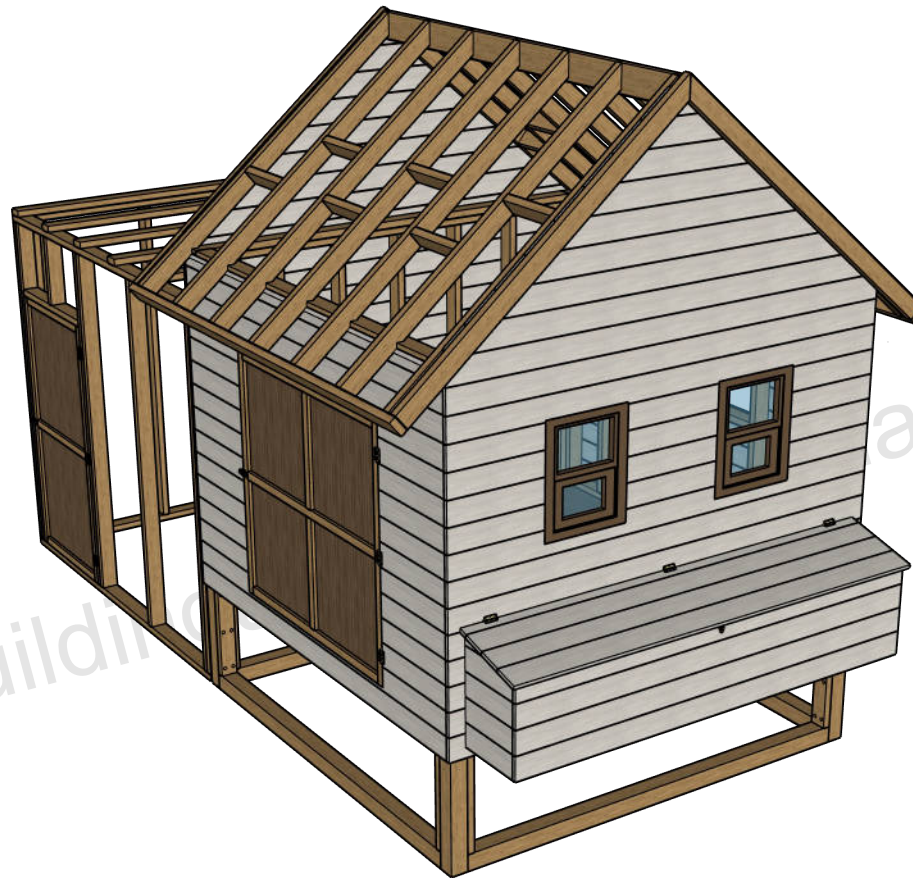
- Run door.

ASSEMBLY STEP 12: RUN DOOR



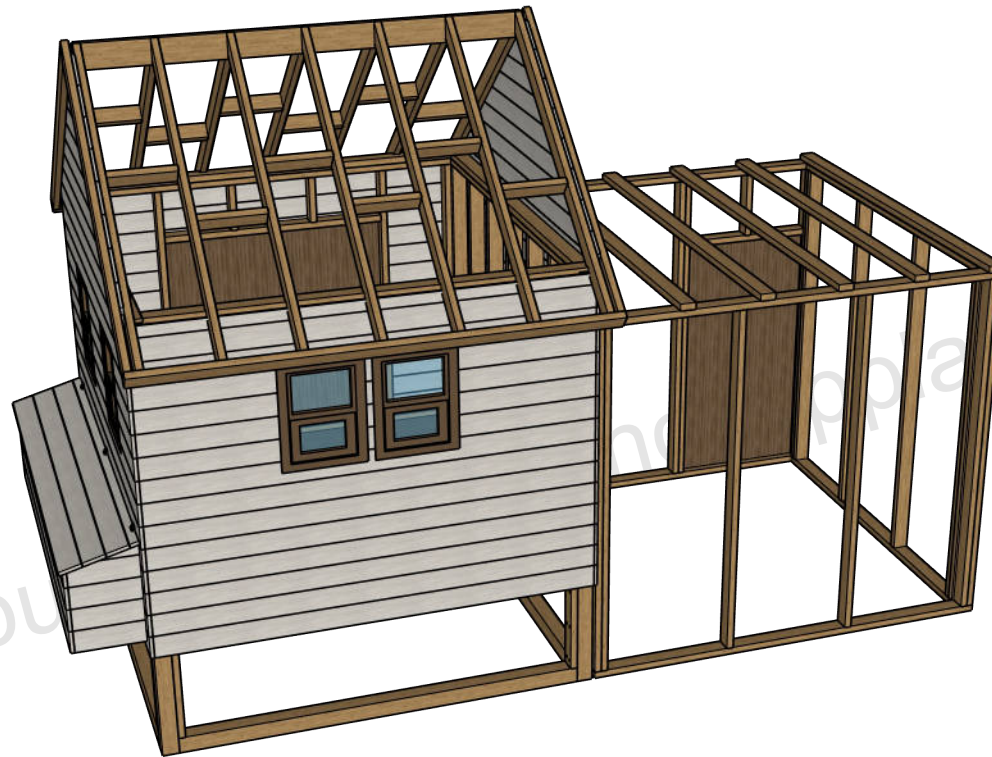
- Install the run door to the semi-assembly using latch and hinge as shown above.

ASSEMBLY STEP 13: WINDOW (RIGHT)



- Install the right side windows to the semi-assembly as shown above.

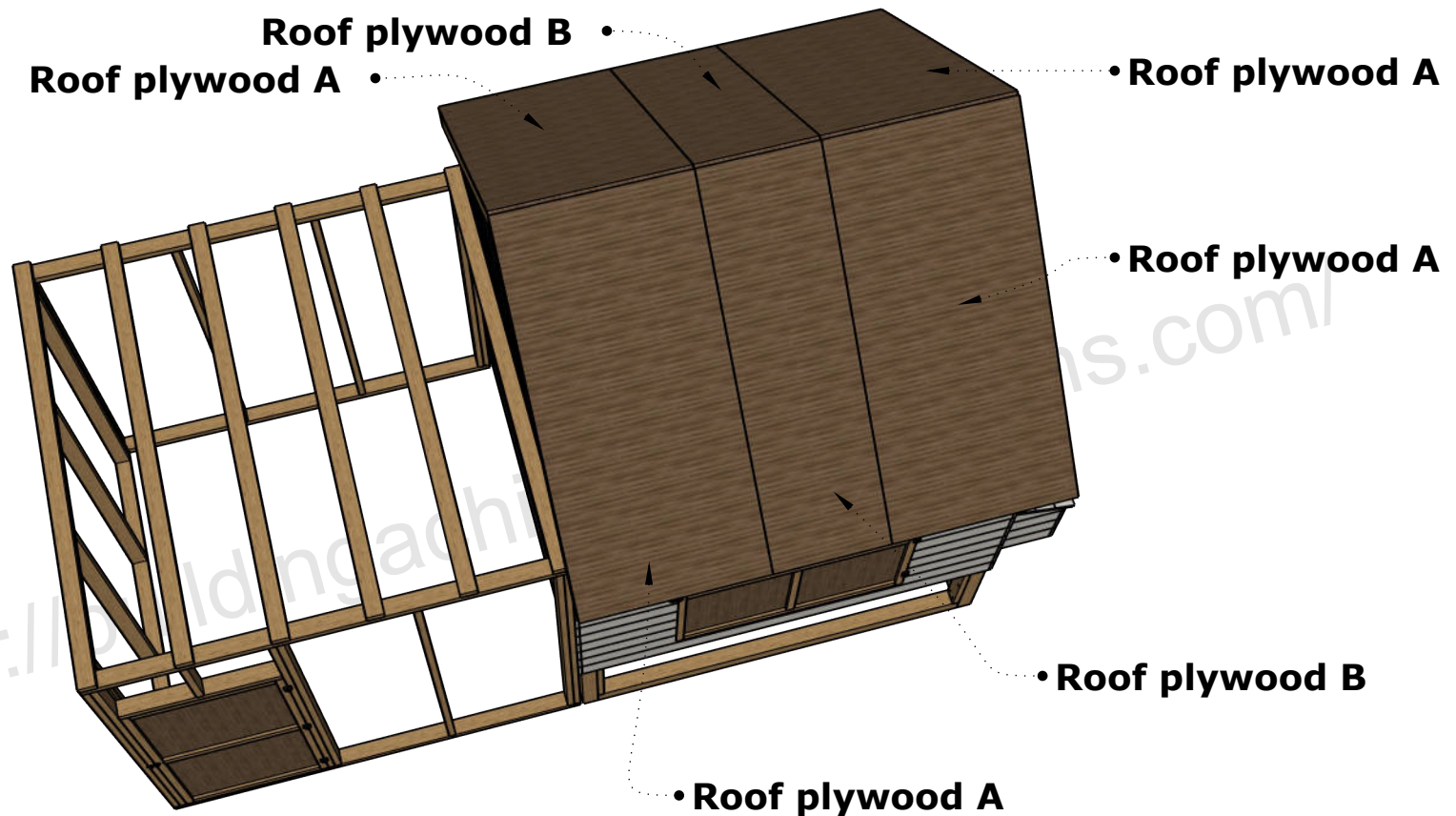
ASSEMBLY STEP 13: WINDOW (BACK)



- Install the back windows to the semi-assembly as shown above.

ASSEMBLY STEP 14: ROOF PLYWOOD

No.	Designation	Quantity	Length	Width	Thickness	Material name
A	Roof plywood A	4	79 1/8"	38 1/4"	3/4"	Plywood
B	Roof plywood B	2	79 1/8"	24"	3/4"	Plywood



- Prepare and connect the roof plywood A and B to the semi-assembly as shown above. Use 1-1/2" wood screws.

ASSEMBLY STEP 15: ROOF METAL SHEETS



- Use 4'x8' Metal sheets for the coop and run roofing as shown above.

ASSEMBLY STEP 16: WIREFRAME



- Take finished coop final measurement to know the size of wireframe required for fencing.

PLANS COMPLETE

