

Churchill Playset

ASSEMBLY MANUAL



Thank you for your Patiova Playset Purchase.

We are excited for the great times and memories you will share while enjoying your new Patiova playset.

Let's get started on the assembly!!

This manual is designed to simplify the assembly process with step-by-step instructions and pictures to help along the way.

We recommend you have carpenter experience or hire a carpenter to assemble your playset to ensure safety when complete.

We are confident that you will be happy with the ease of the assembly process.

Tools Required

- Hammer or Rubber Mallet
- Wrench & Socket Set
- Drill and Drill Bits
- Impact Driver
- Tape Measure
- Step Ladder
- Level

Tools Included

- #2 Square Drive Bit
- T30 Star Drive Bit
- 4mm Hex Drive Bit

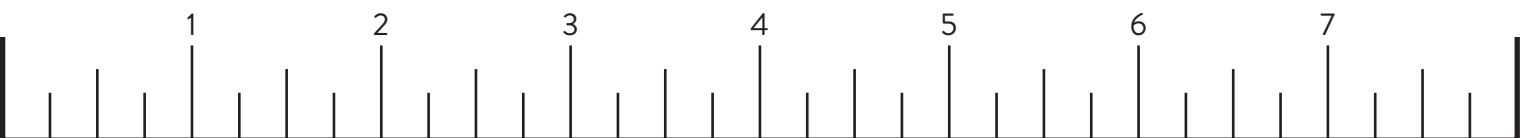
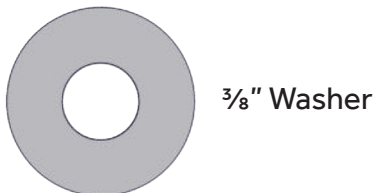
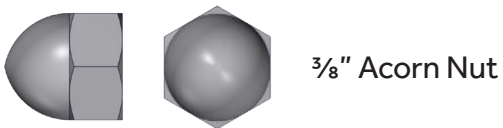
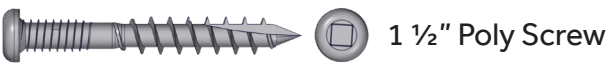
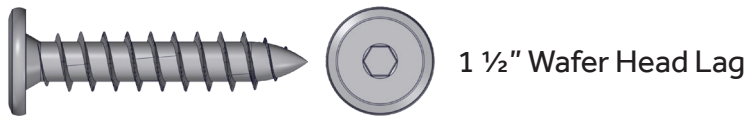
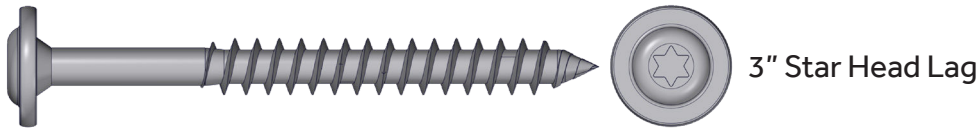
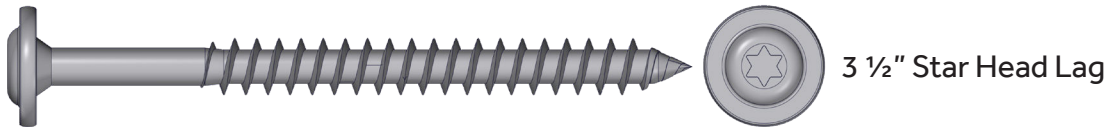
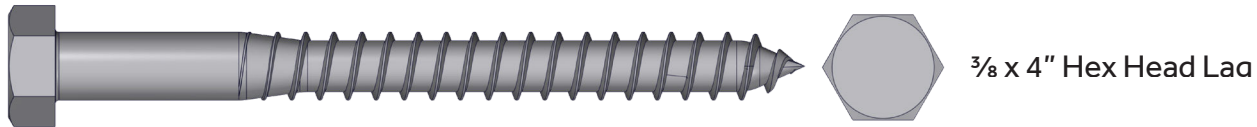
Parts List

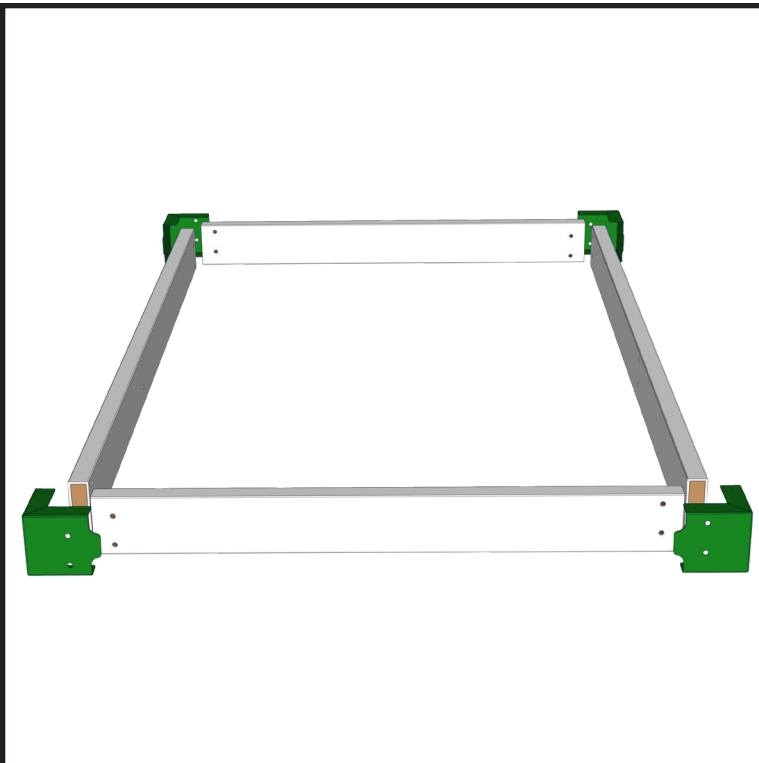
Tower	
Parts	Quantity
114 3/4" 4x4 Post	6
56" 2x6	5
90" 2x6	4
30 5/8" 2x6 Railing	2
56" 2x4 Joists	5
Front Wall Panel	1
Back Wall Panel	1
Side Wall Panels	2
Roof Panels	2
Roof Brace	1
Roof Cap	1
Floor Boards	13
Sandbox Seats	4
Poly Trim	7
2x6 Corner Brackets	10
Slats	

Swing Frame	
12' or 14' 2x6 Swing Beam	1
108" 4x4 End Post	1
93" 2x4 Ground Runner	1
87" 2x4 Braces	2
Beam Strap Bracket	1
Corner Bracket	1
End Bracket	1
Swing Bearings	

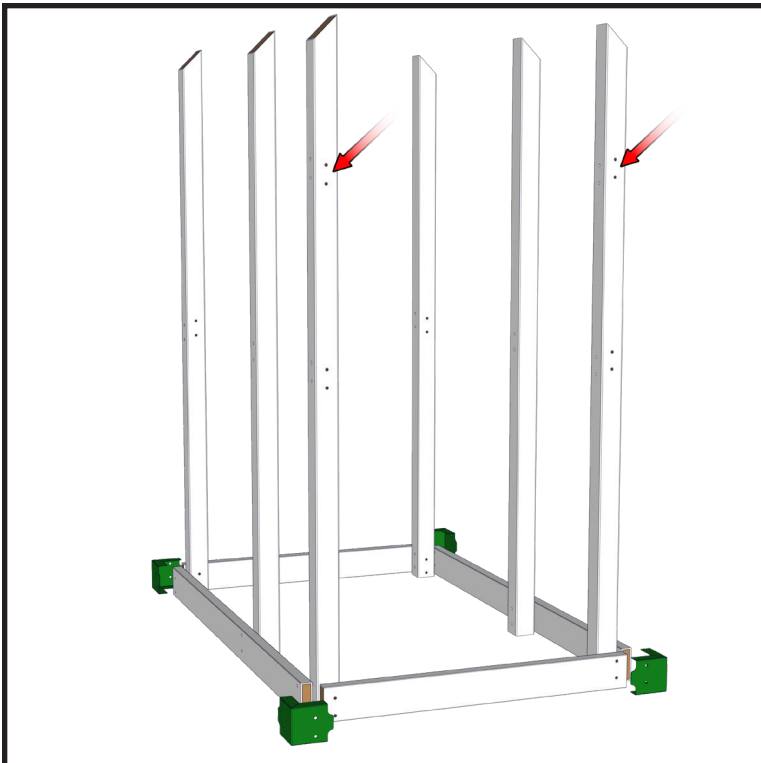
Climbing Set	
Top Ladder	1
End Ladder	1
117" 2x4 Ground Runner	1
87" 2x4 Braces	2
2x6 End Brackets	2

HARDWARE

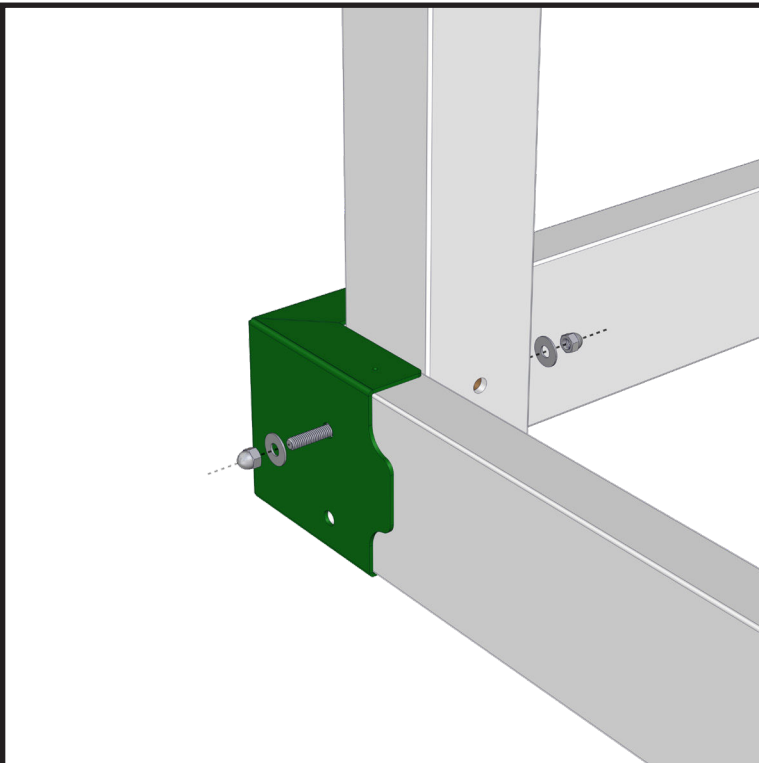




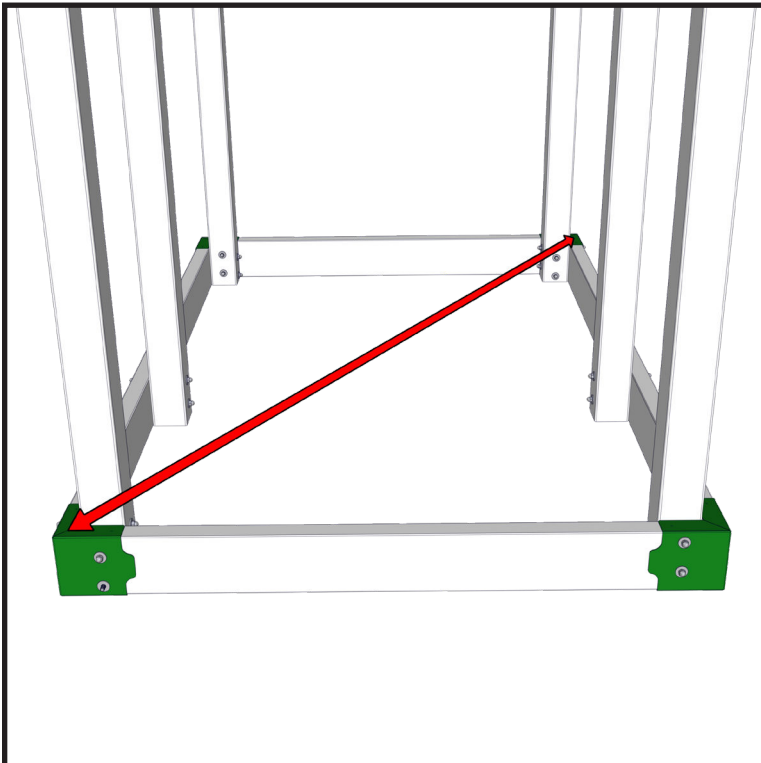
Step 1.
Begin the assembly by placing two 56" 2x6's and two 90" 2x6's in a square. Place a 2x6 corner bracket at each corner. Notice how the holes in the 2x6's and the corner brackets are offset and need to be aligned correctly.



Step 2.
Place the 114 $\frac{3}{4}$ " 4x4 posts in position. Two of the posts have holes pre-drilled for the railing, these posts go in the front.



Step 3.
Fasten everything together using 6 $\frac{7}{8}$ " threaded rods, $\frac{3}{8}$ " washers and $\frac{3}{8}$ " acorn nuts. Only finger tighten these at this point.



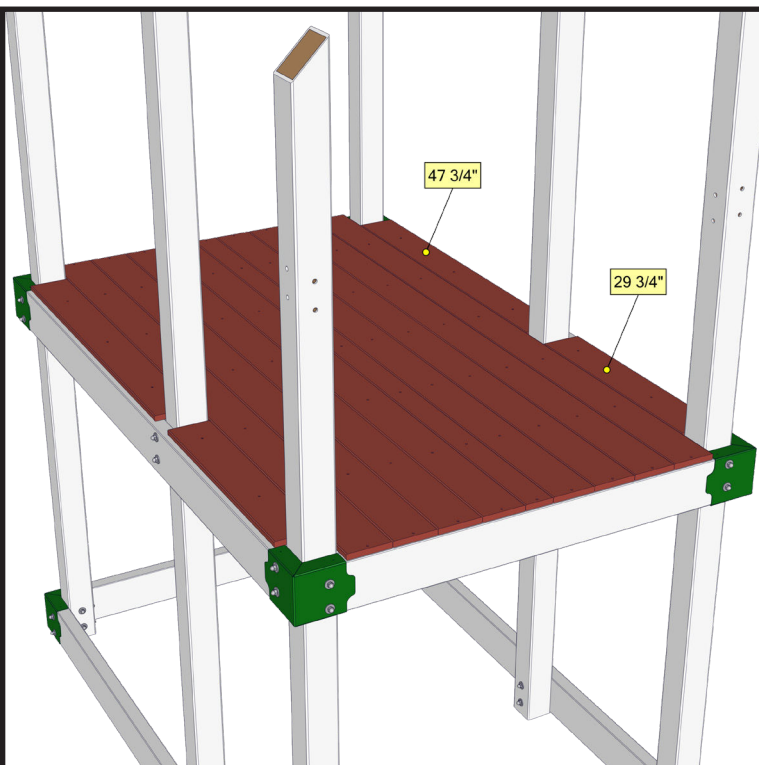
Step 4.
Measure across the corners to ensure the tower is square. Once the tower is square tighten all the nuts.



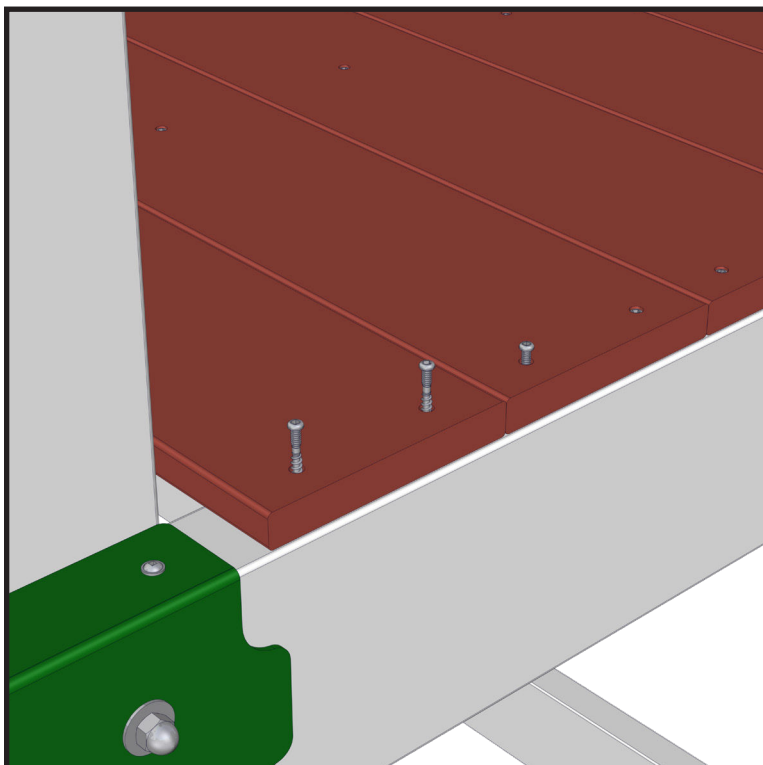
Step 5.
The floor of the tower is assembled the same as the bottom except these 90" 2x6's have joist hangers installed.



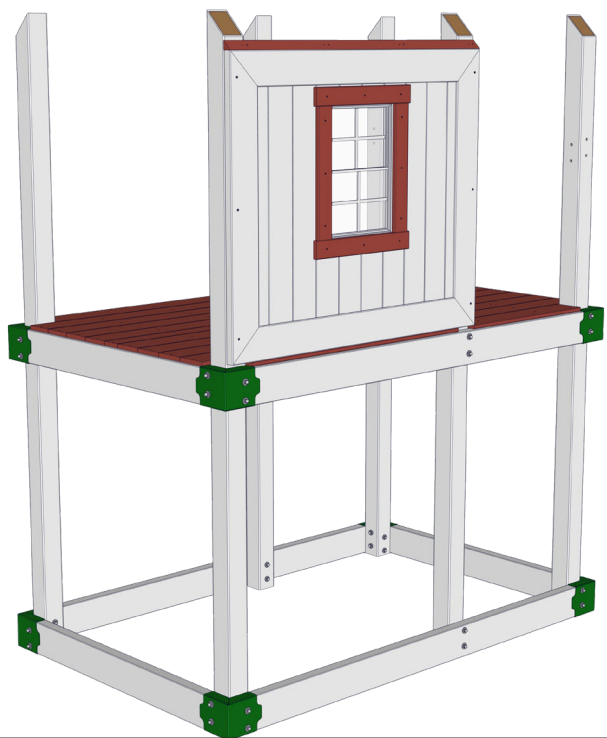
Step 6.
Locate the 56" 2x4 floor joists and place them in the joist hangers. Fasten them with 1 3/4" washer head screws.



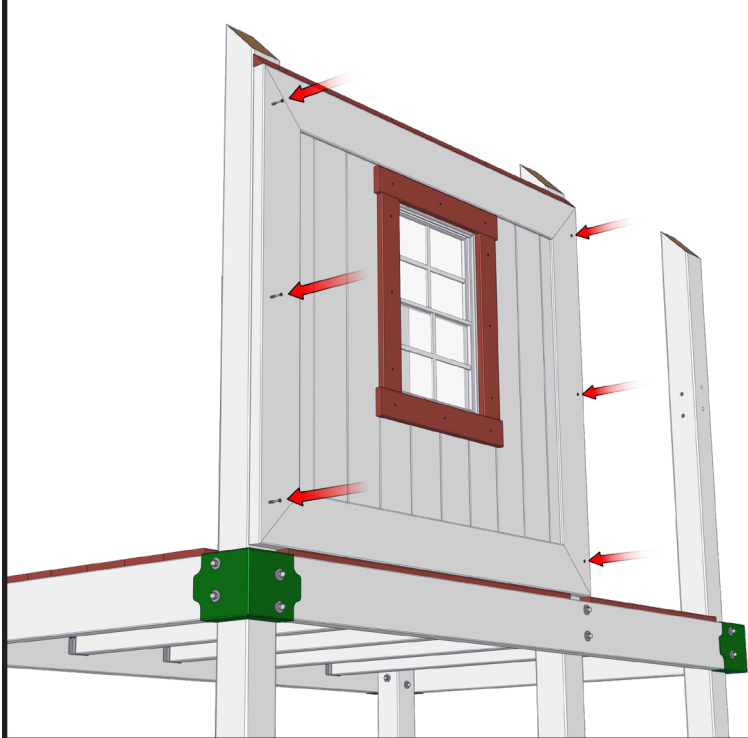
Step 7.
Lay the floor boards out and arrange them as shown. There is one narrow board for the center and 4 shorter boards for between the posts.



Step 8.
Fasten the boards using 1 1/2" poly screws. Use two screws to fasten each end and one for every joist.



Step 9.
Place one of the side walls into position.
Keep it flush with the back posts and make sure the angled trim piece on top is facing the right way.



Step 10.
Fasten the wall to the 4x4 post using 3" wood screws.
Use three screws per side in the pre-drilled holes.



Step 11.
Repeat steps 9-10 for the other side.

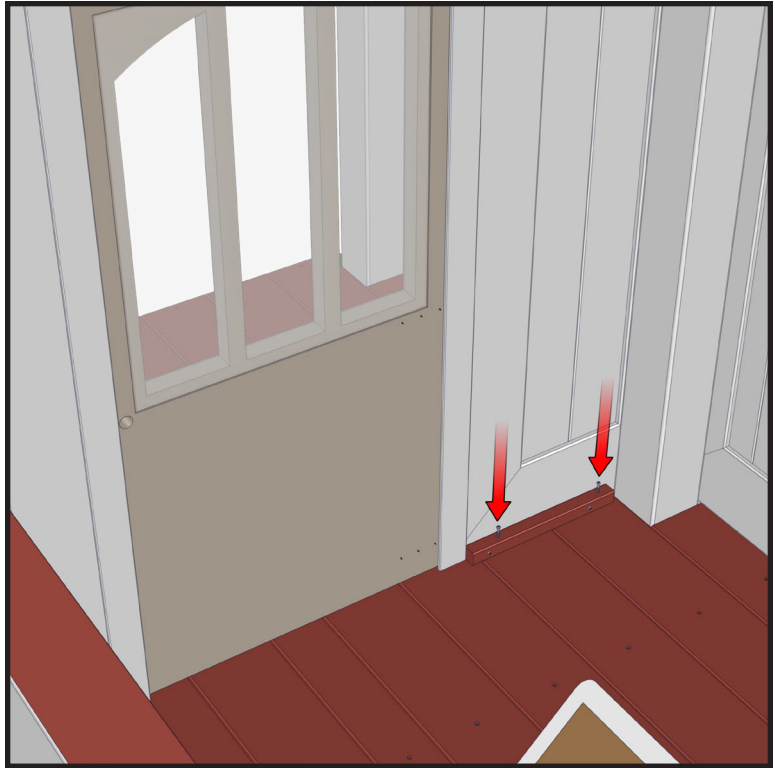


Step 12.
Place the back wall panel in position and fasten it with the same 3" wood screws.



Step 13.

Locate the front wall and place it in position. Center it and fasten it using 3" wood screws.



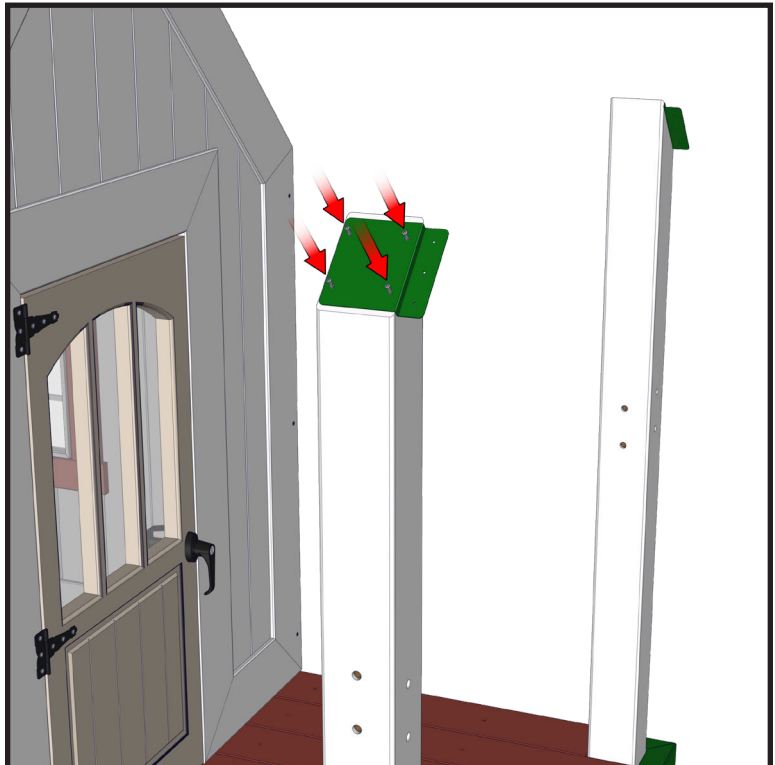
Step 14.

There are two poly strips inside the wall on either side of the door. Fasten these to the floor using 1 1/2" poly screws to properly secure the front wall.



Step 15.

Install the door latch using the included hardware.

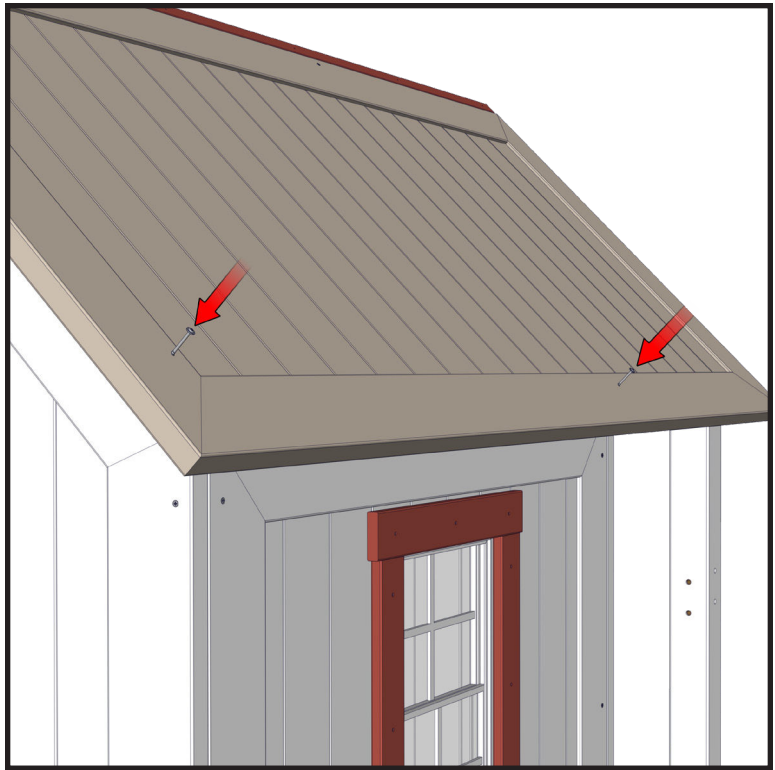


Step 16.

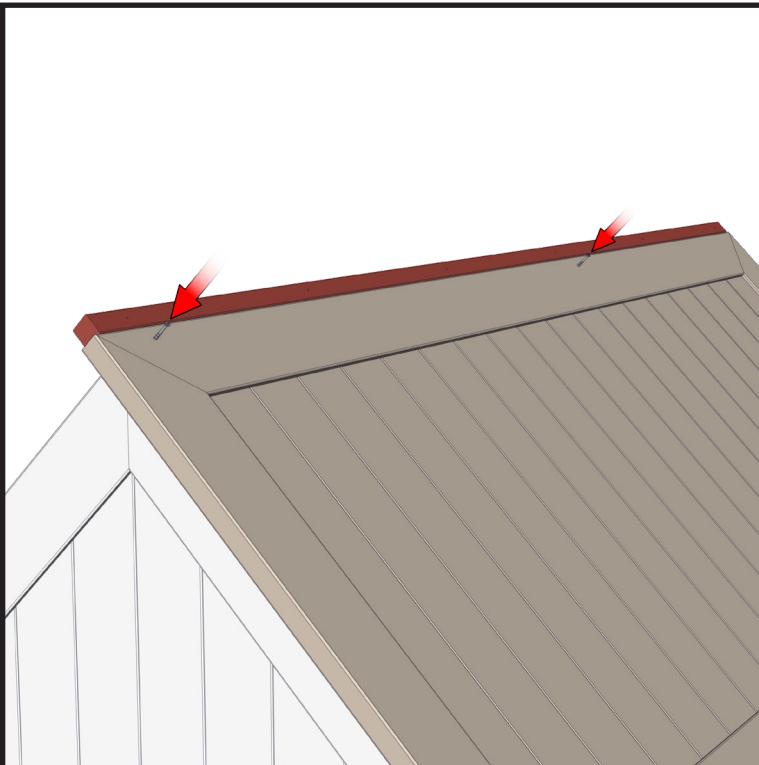
Install the 4x4 roof brackets on the two front 4x4 posts. Fasten these with two 1 1/2" wood screws in the top holes and two 3" wood screws in the bottom holes.



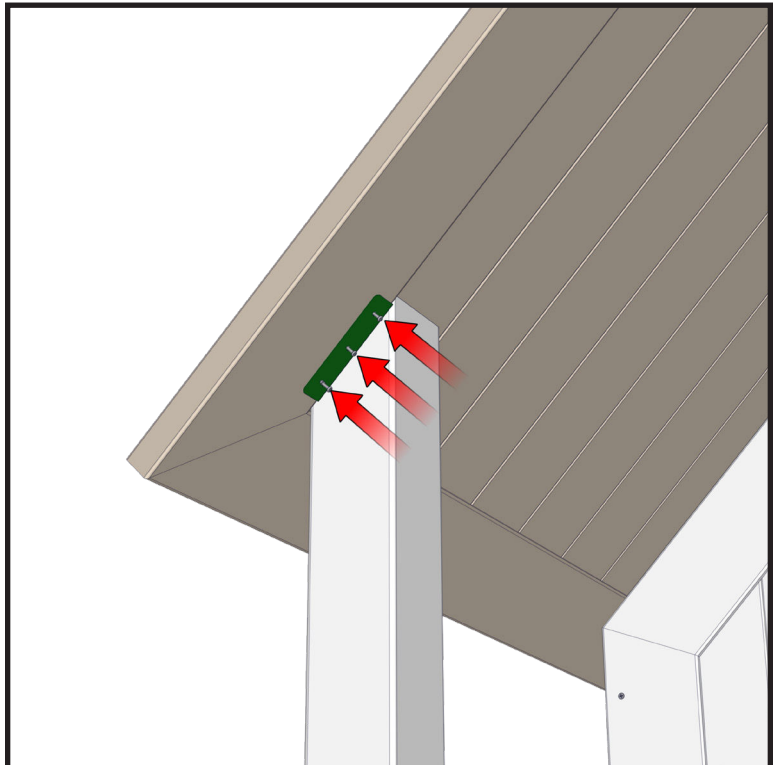
Step 17.
 Locate the roof panel with the poly strip on top and place it in position.
 Keep the panel in against the 4x4 roof bracket.



Step 18.
 Fasten the roof panel with two 3 1/2" star head lags in the bottom pre-drilled holes.



Step 19.
 Fasten the top with two 3" wood screws in the top pre-drilled holes.

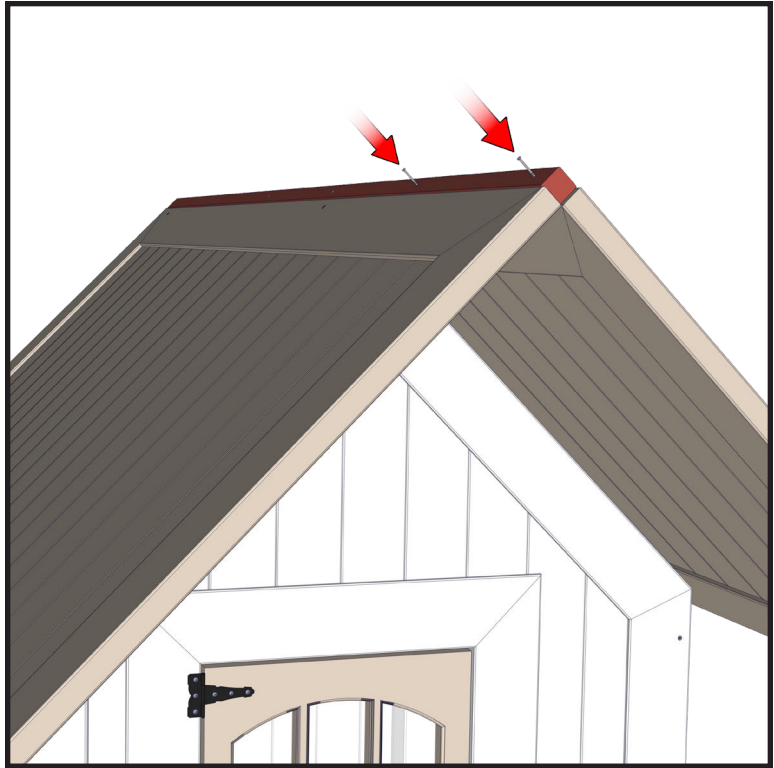


Step 20.
 Fasten the roof panel to the 4x4 roof bracket using three 1 1/4" poly screws.



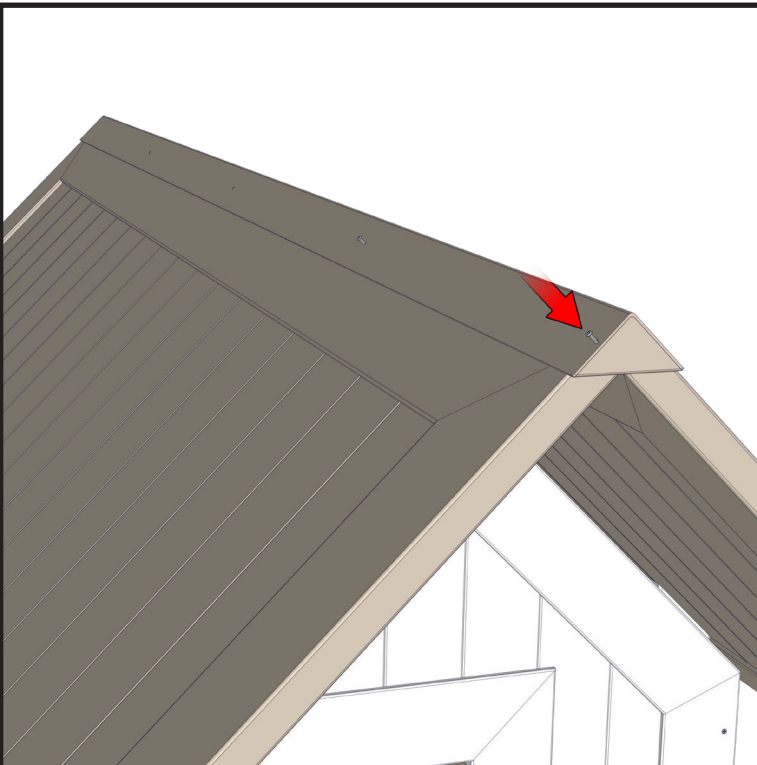
Step 21.

Place the other roof panel in position and fasten it using the same steps as the first one.



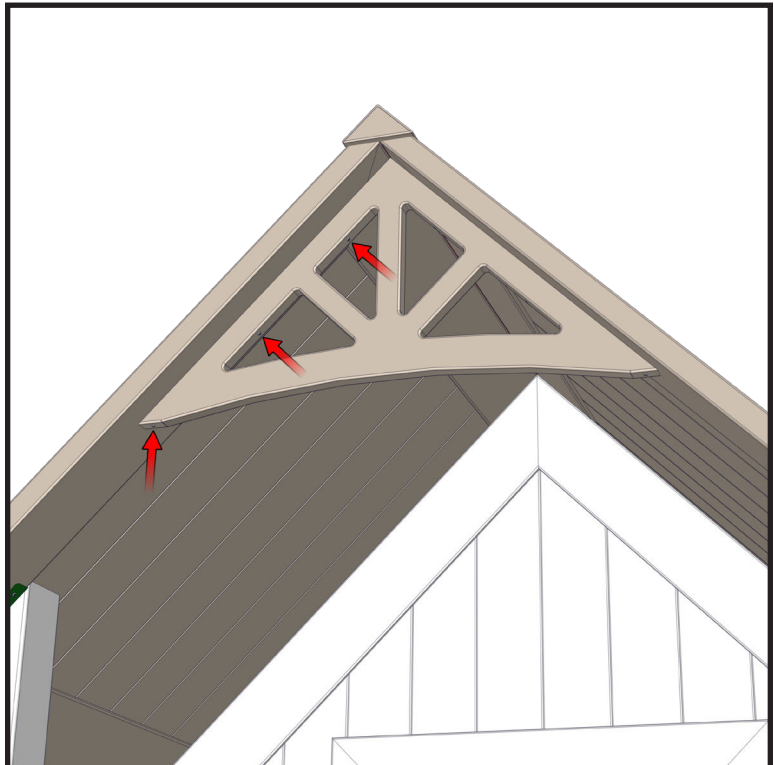
Step 22.

Use 3" wood screws to fasten the poly strip to the other panel.



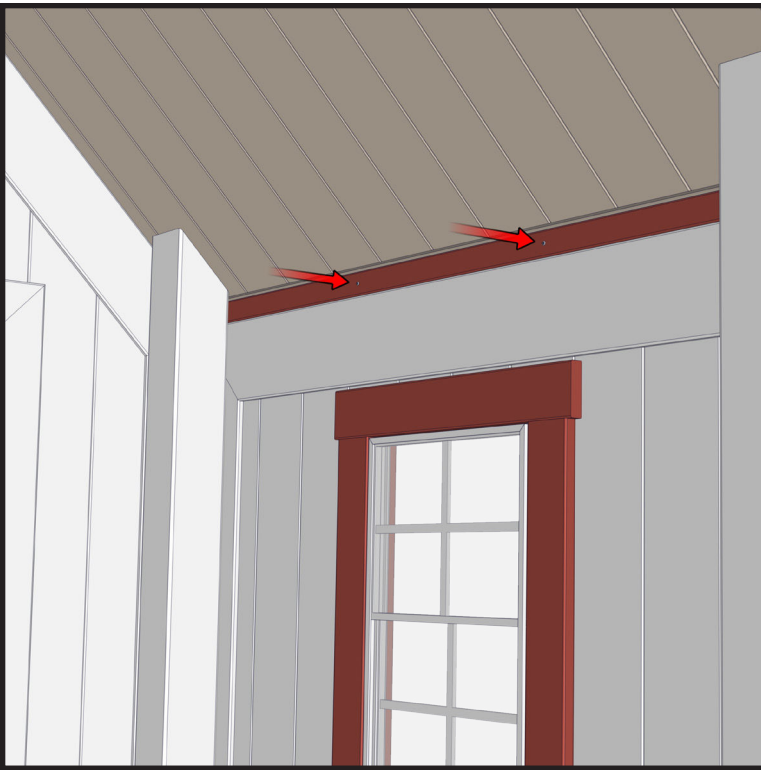
Step 23.

Place the roof cap on the panels and fasten it with 1 1/4" poly screws.



Step 24.

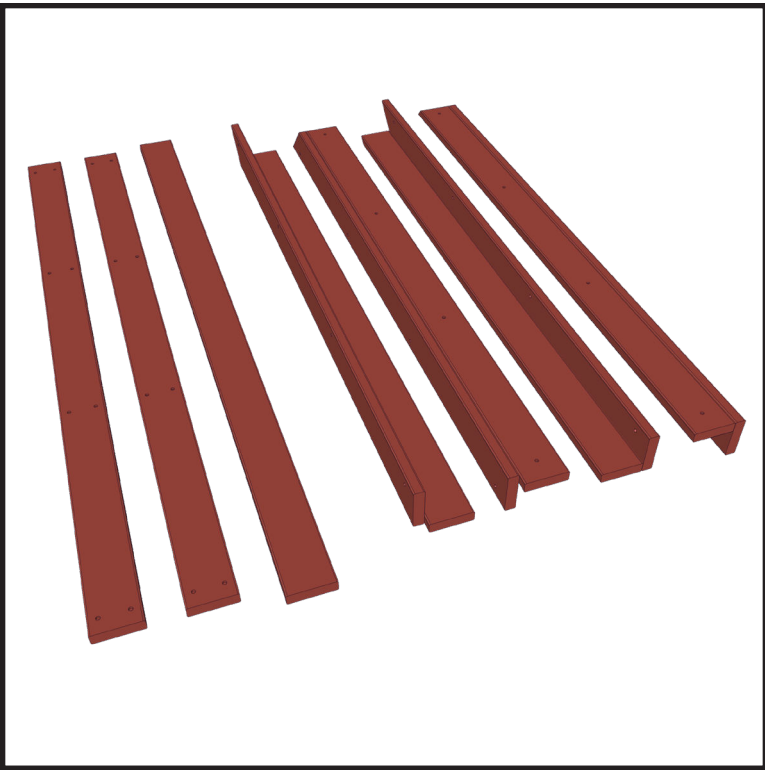
Install the roof brace under the roof keeping it 2" in from the front. Fasten it using three 2" poly screws per side.



Step 25.

Finish the roof by fastening the angled trim piece to the roof panels.

Use 1 ½" poly screws in the pre-drilled holes.



Step 26.

Locate the trim pieces.

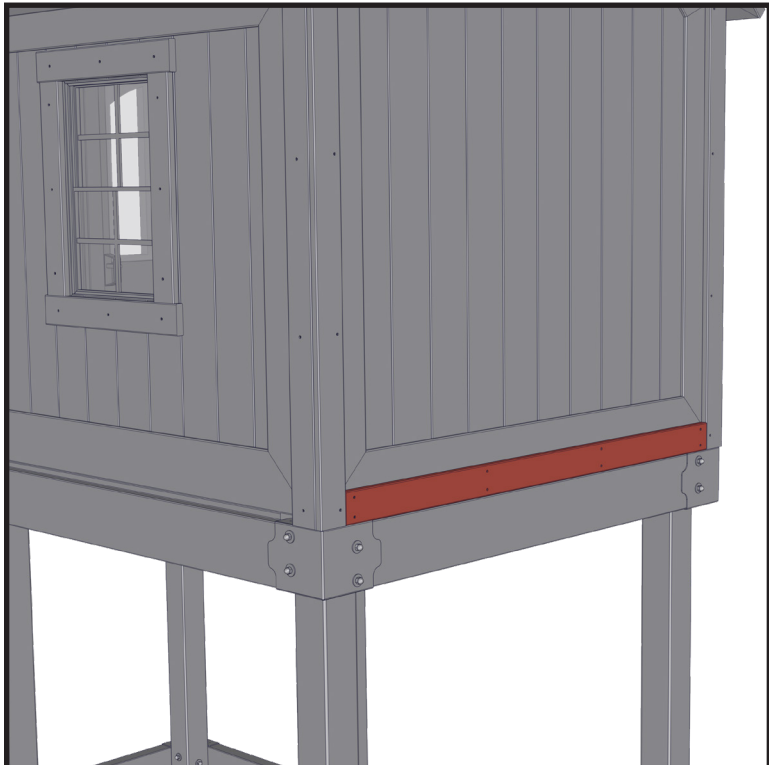
There are two corners with straight cut bottoms and two corners with offset bottoms.



Step 27.

Install the corners with the straight cut bottoms on the back corners of the playset.

Fasten all trim with 1 ½" poly screws.



Step 28.

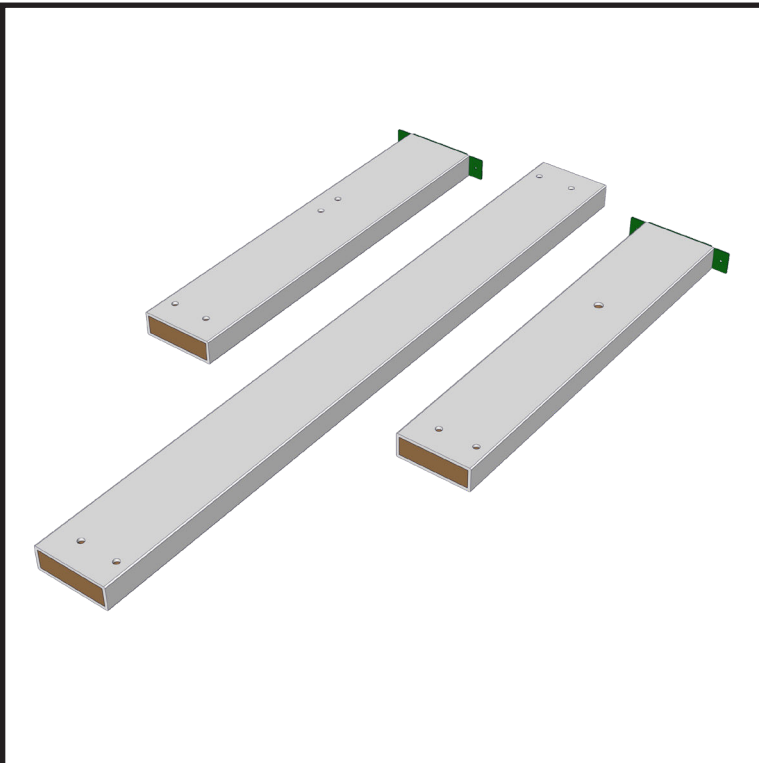
Place the 55 ¼" trim piece between the corners and fasten it.



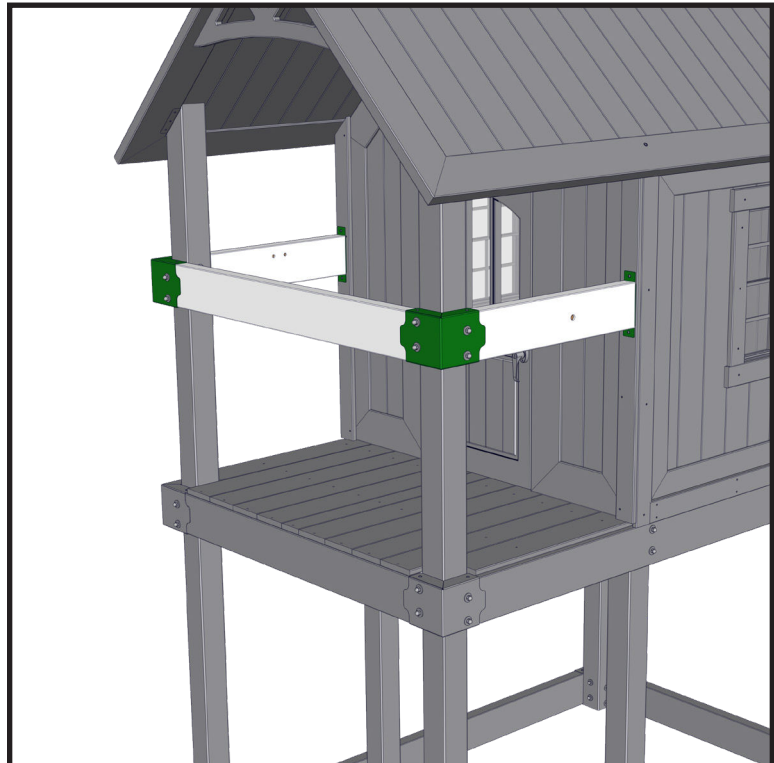
Step 29.
Install the corners with the offset bottoms on the front corners.



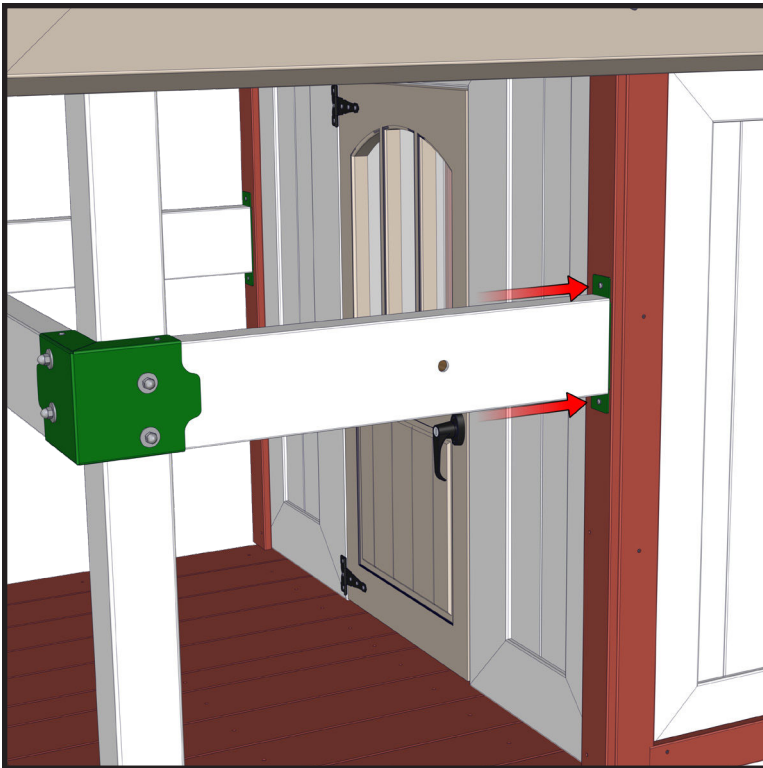
Step 30.
Fasten the two 53 3/4" trim pieces on the sides to finish the trim.



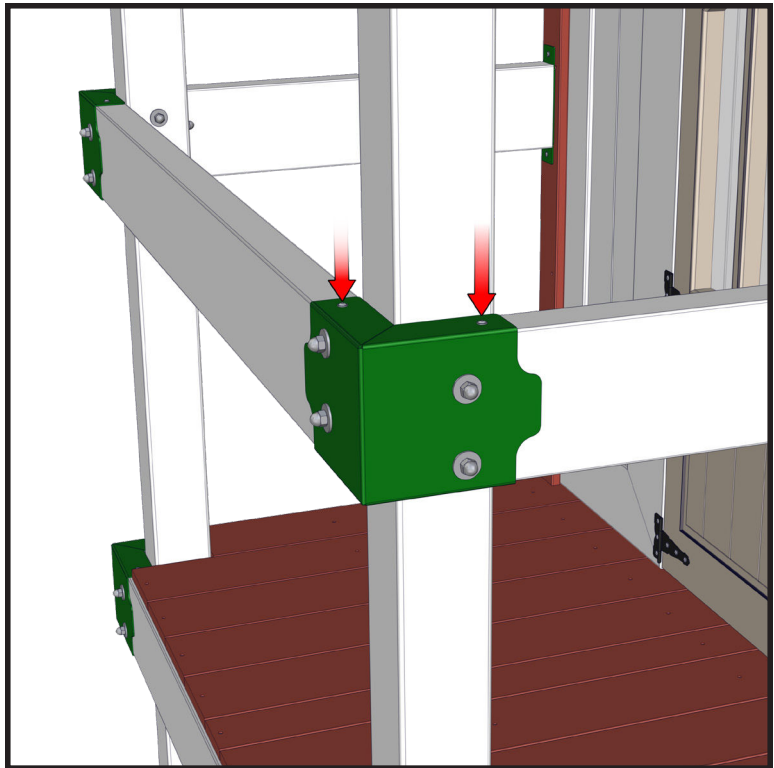
Step 31.
Locate the railing pieces.
There is one 56" 2x6 and two 31 5/8" 2x6's with brackets attached.



Step 32.
Place the railing pieces in position and fasten them with corner brackets and 6 7/8" threaded rods.



Step 33.
Fasten the railing brackets to the wall using 3" star head lags.



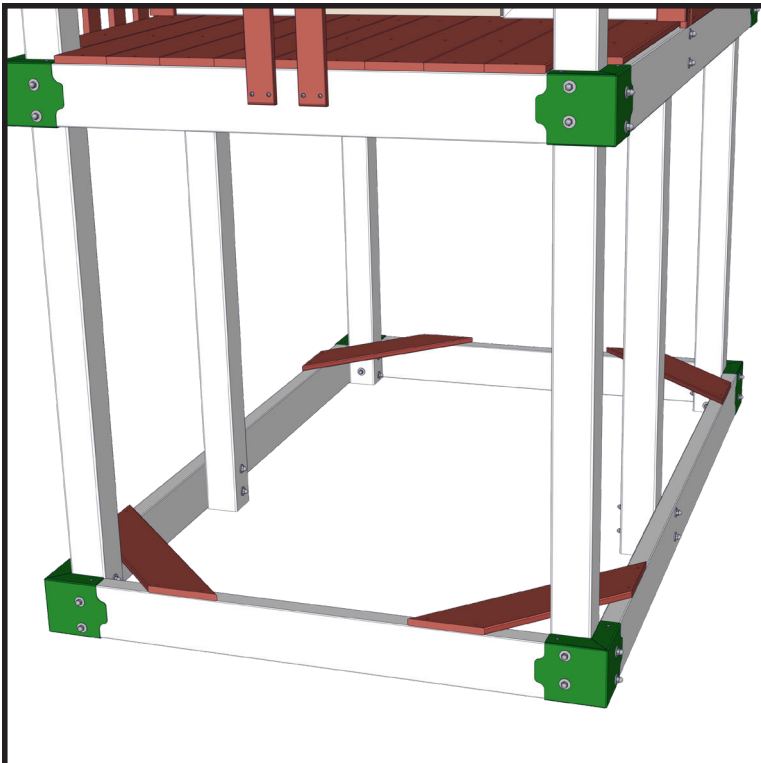
Step 34.
Fasten the top and bottom of all the 2x6 corner brackets using 1 3/4" washer head screws.



Step 35.
Start installing the play slats using the included spacer. Fasten them using 1 3/4" washer head screws. The side with the swing frame gets five slats.



Step 36.
Fasten two slats on the front if you have the rock wall and the ladder.



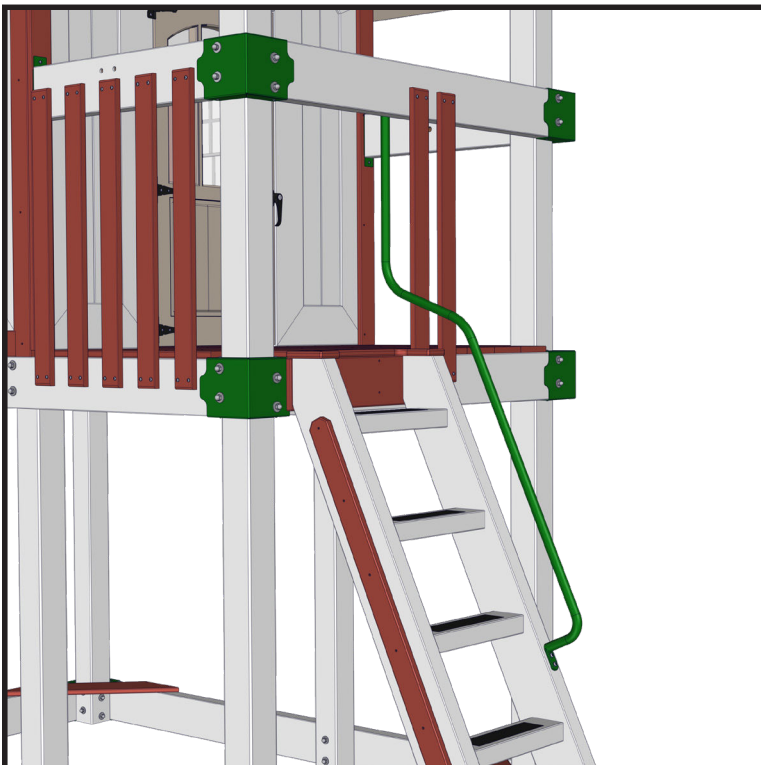
Step 37.

Place the sand box seats in position and fasten them with 1 ½" poly screws.



5ft Ladder

Place the 5ft ladder in position and fasten it with 1 ½" poly screws.



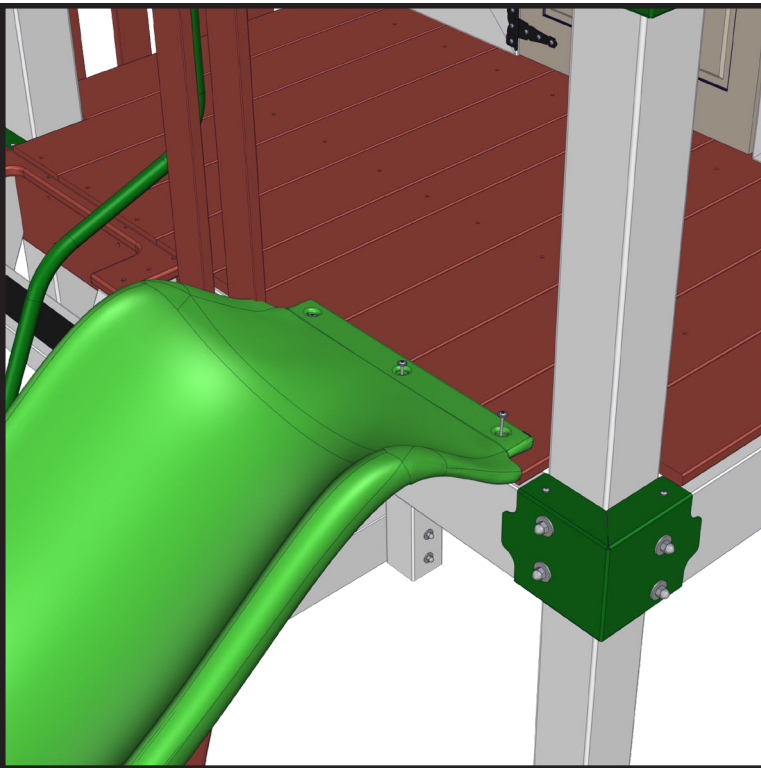
Ladder Handrail

Place the ladder handrail on the ladder as shown. Fasten it to the ladder and the 2x6 railing with three 1 ½" wafer head lags.



10ft Wonder Wave Slide

Place the slide in one of the empty spots.



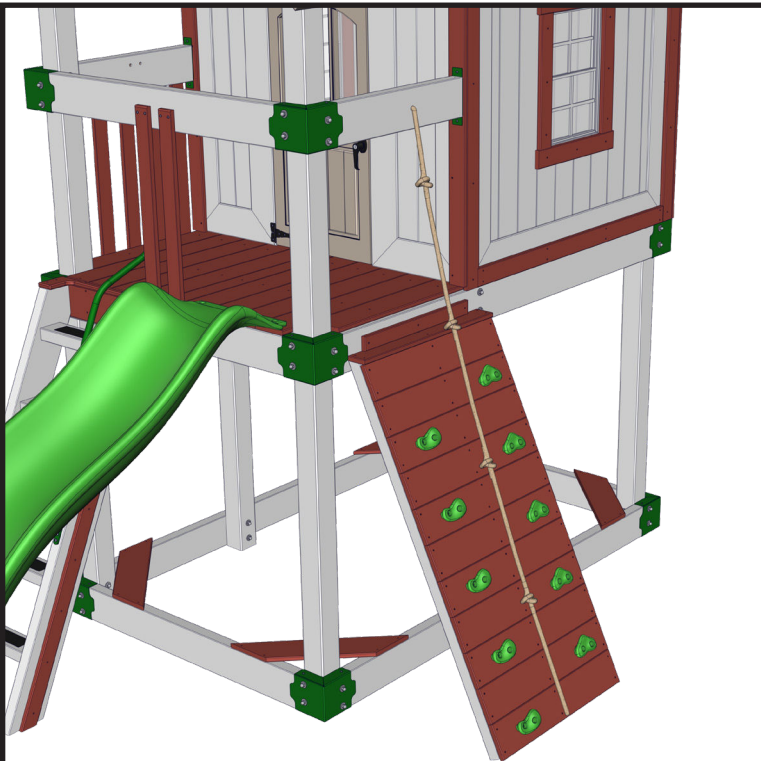
10ft Wonder Wave Slide

Fasten the slide using 1 1/2" wafer head lags.



Rock Wall

Place the rock wall in position and fasten it with 1 1/2" poly screws.

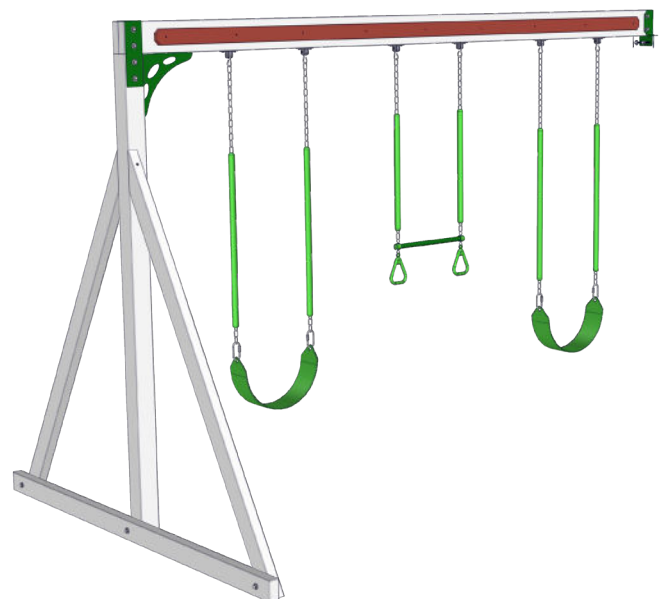


Rock Wall

Drill a 1/2" hole in the 2x6 railing and insert one end of the rope through the hole in the 2x6 and tie a knot in it to hold it in place.

Drill a hole in the bottom of the rock wall and insert the other end of the rope then tie a knot to hold it in place.

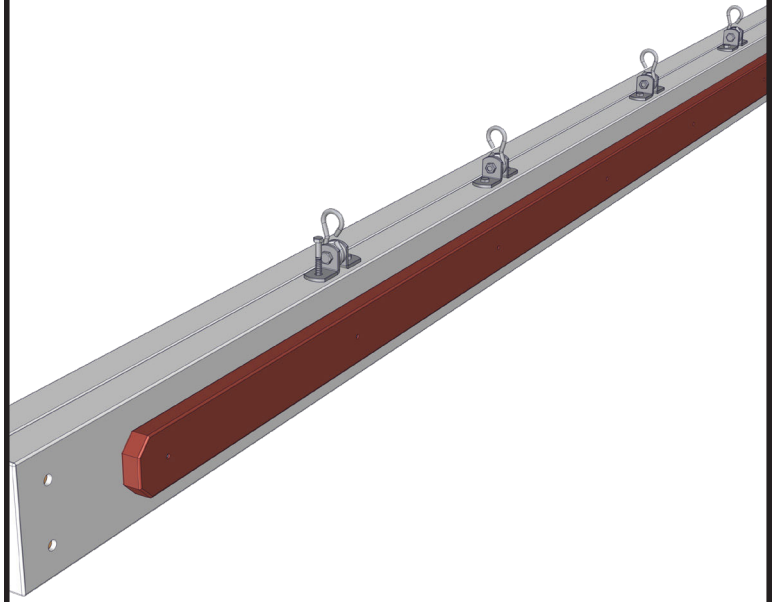
Swing Frame Assembly





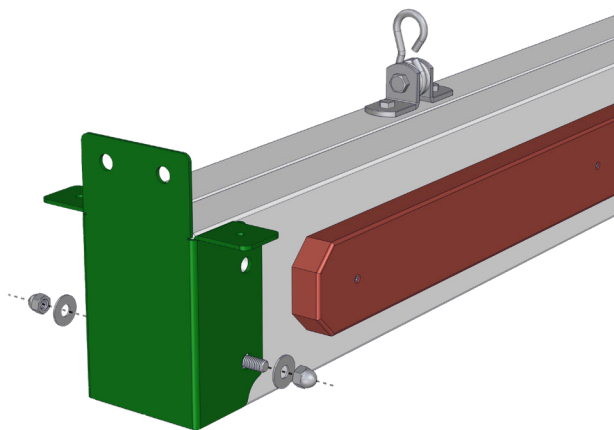
Step 1.

Start the swing frame assembly with the 2x6 swing beam. One side is pre-drilled for the swing brackets, place the beam with the holes facing up.



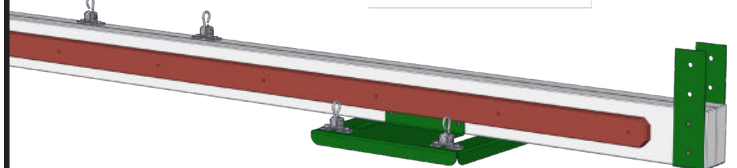
Step 2.

Fasten the swing bearings to the swing beam using the lags provided with the bearings.

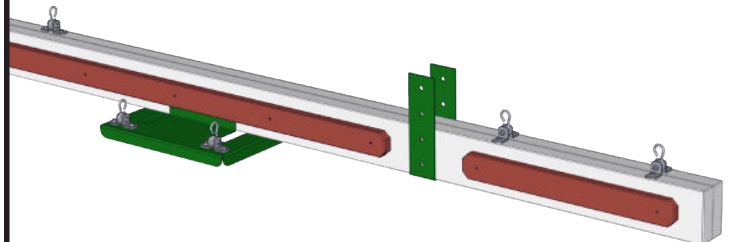


Step 3.

Place the swing beam bracket on one end of the beam. Use two 4 7/8" threaded rods with washers and acorn nuts to fasten the bracket.



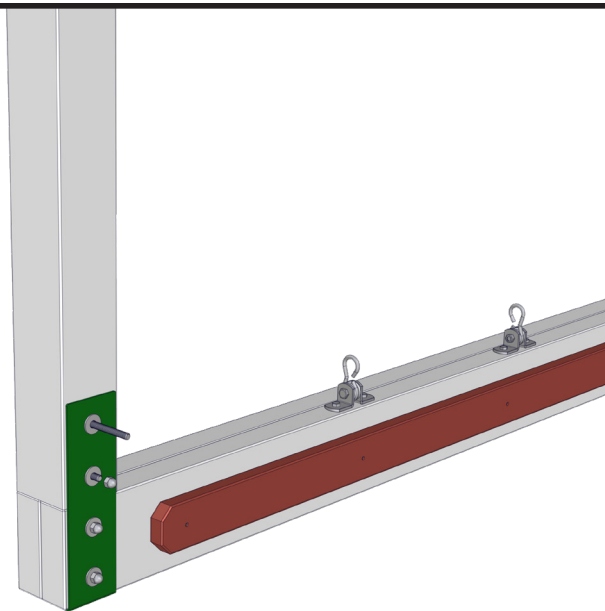
3 Position Beam



4 Position Beam

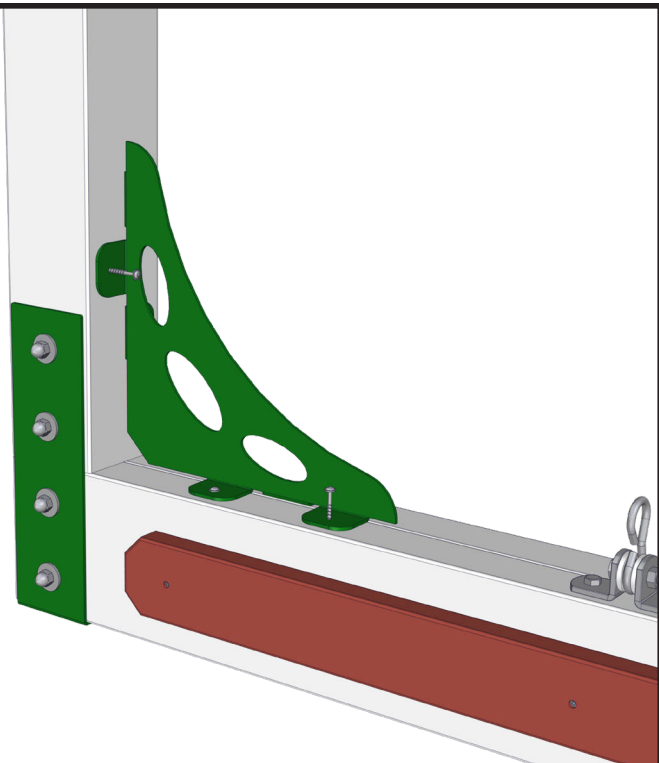
Step 4.

Locate the beam strap bracket and place in on the beam. The illustration above shows where to place the bracket for the 3 position and 4 position swing beam. Fasten the beam strap bracket to the swing beam using 4 7/8" threaded rods, 3/8" washers and 3/8" acorn nuts. Only finger tighten the nuts at this point.



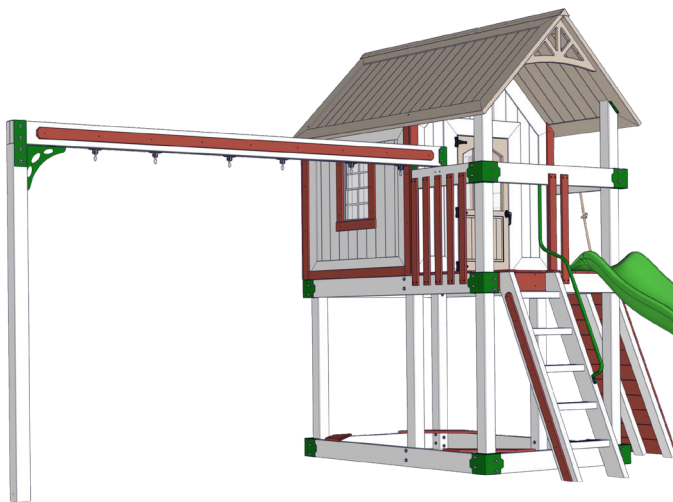
Step 5.

Find the 4x4 end post and install it in the beam strap. Make sure the post is square with the swing beam then tighten all the nuts.



Step 6.

Attach the corner bracket to the swing beam and end post. Fasten it with 1 3/4" washer head screws.

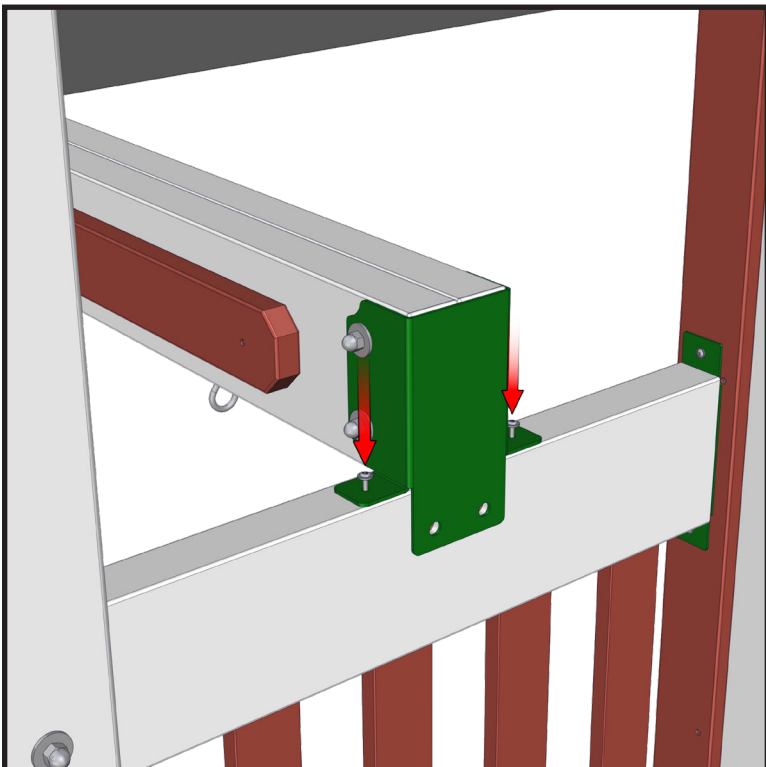


Step 7.

Lift the swing beam up into place on the tower.

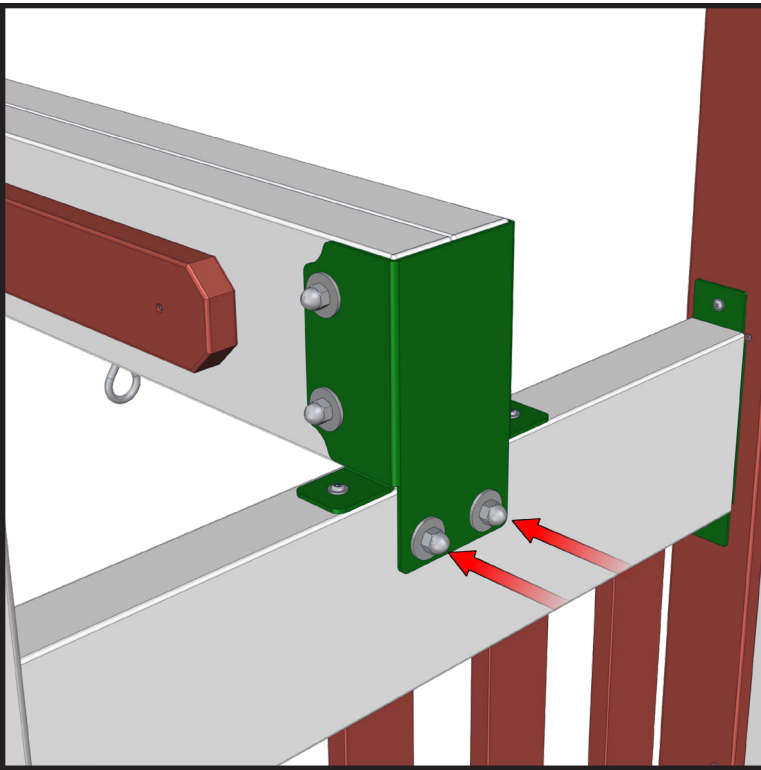
Note: The 4x4 end post may need to be shortened depending on the ground. If the playset is on a perfectly level surface the post should be cut to 93".

Otherwise check the swing beam to see if it is level then trim the post accordingly.

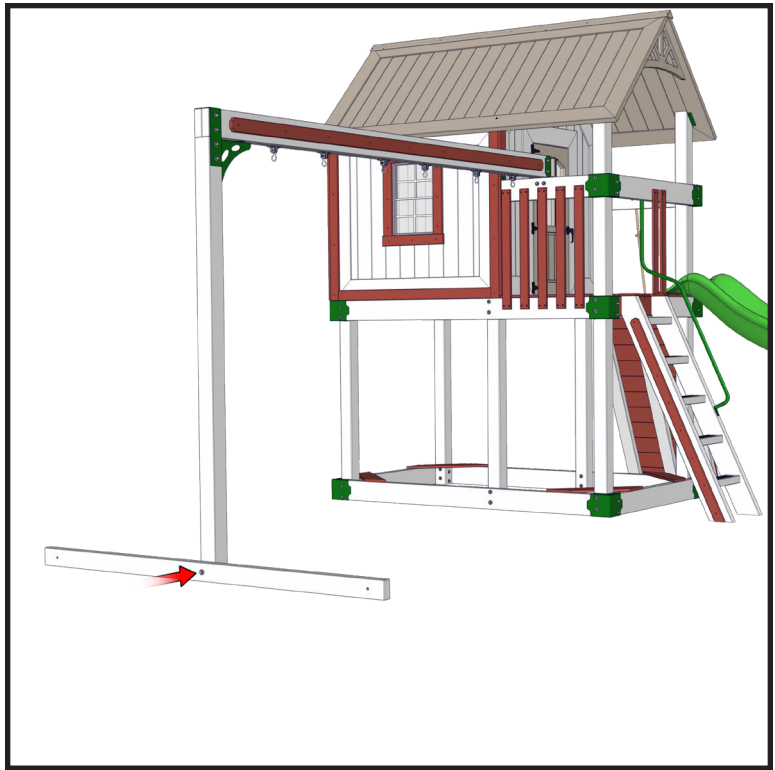


Step 8.

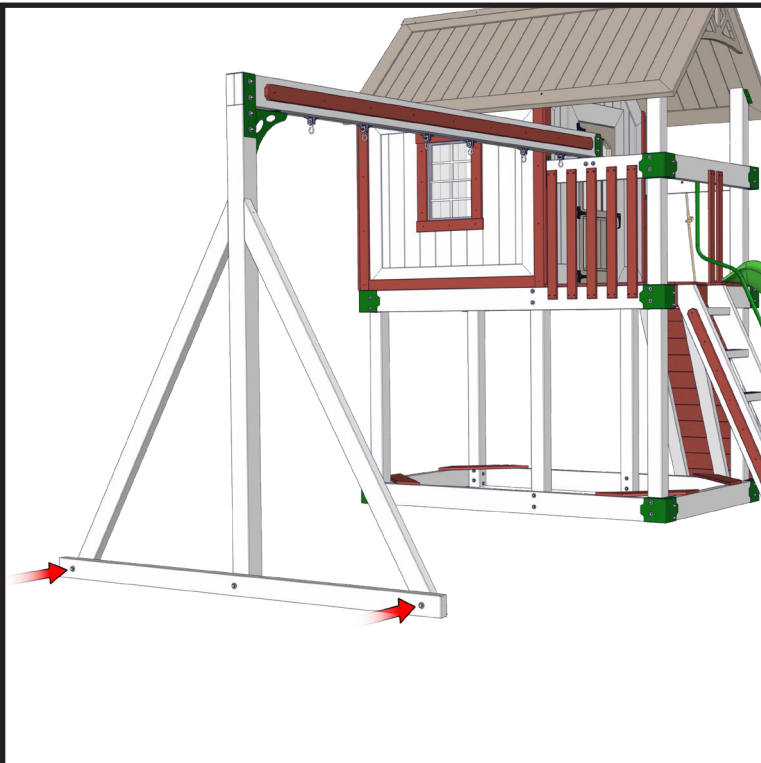
Center the swing beam on the tower railing then fasten the swing beam bracket to the railing using 3" star head lags.



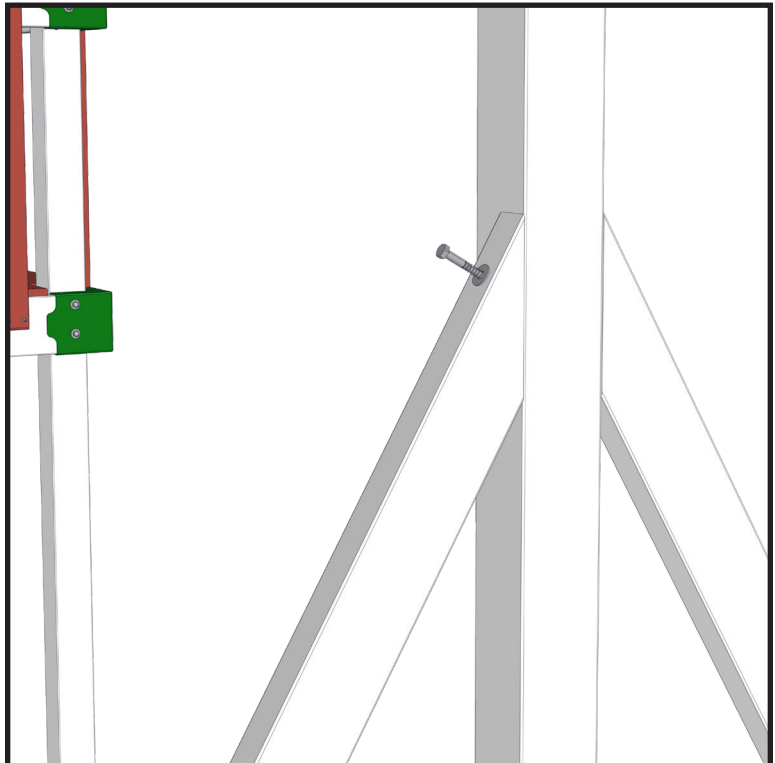
Step 9.
Next drill two $\frac{7}{16}$ " holes through the 2x6 then fasten the bracket with two 2 $\frac{3}{4}$ " threaded rods.



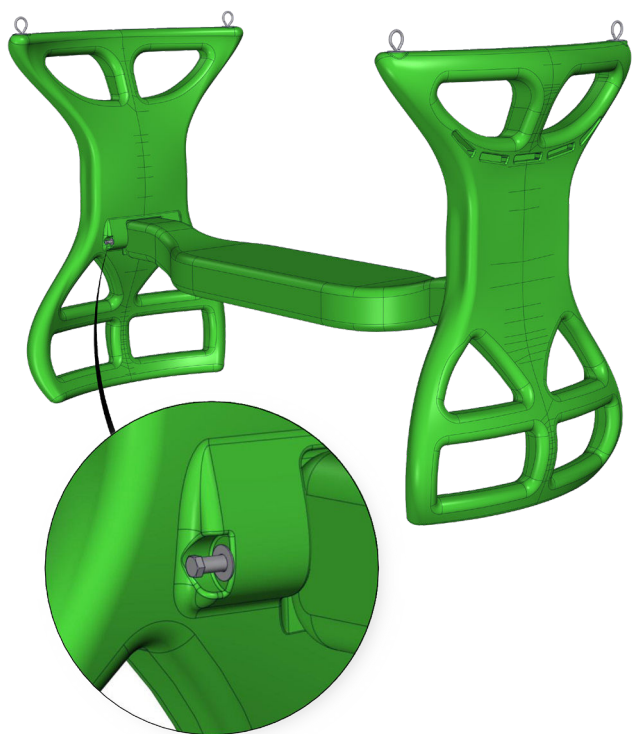
Step 10.
Place the ground runner 2x4 on the outside end of the 4x4 post. Drill a $\frac{7}{16}$ " hole through the 4x4 post using the pre-drilled hole in the 2x4 as a guide. Fasten the 2x4 to the 4x4 post using a 6 $\frac{1}{2}$ " threaded rod.



Step 11.
Place the 2x4 end braces in position and fasten the bottom ends to the ground 2x4. Use two 4 $\frac{1}{8}$ " threaded rods to fasten them.

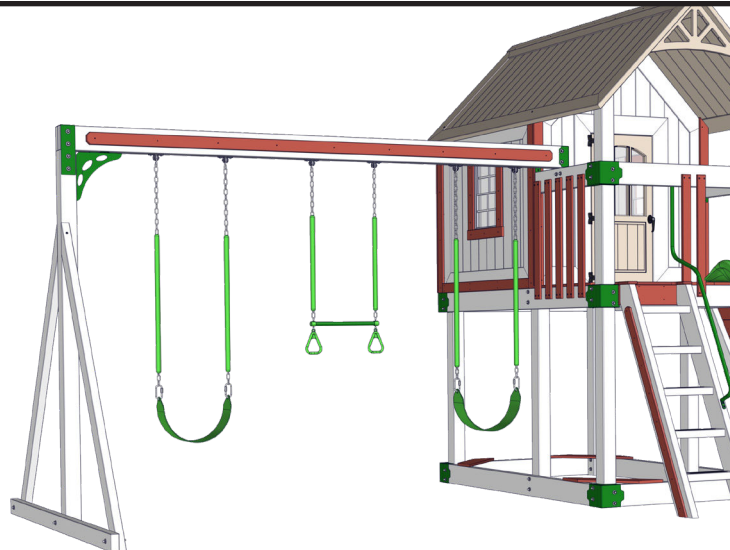


Step 12.
Confirm the swing frame is level then fasten the top ends of the 2x4 braces using 4" hex head lags with $\frac{3}{8}$ " washers. The 2x4's are pre-drilled but you will have to drill a $\frac{1}{4}$ " hole in the 4x4 post.



Step 13.

If your playset has a glider, assemble it using the included instructions and hardware.



Step 14.

Install the swings to finish the swing frame assembly.



Playset Stakes

The playset comes with a bundle of stakes and hardware



Playset Stakes

Drive the stakes into the ground at each corner of the playset and fasten them with the included lags.