

Expedition 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
- $\frac{5}{32}$ Hex Drive Bit

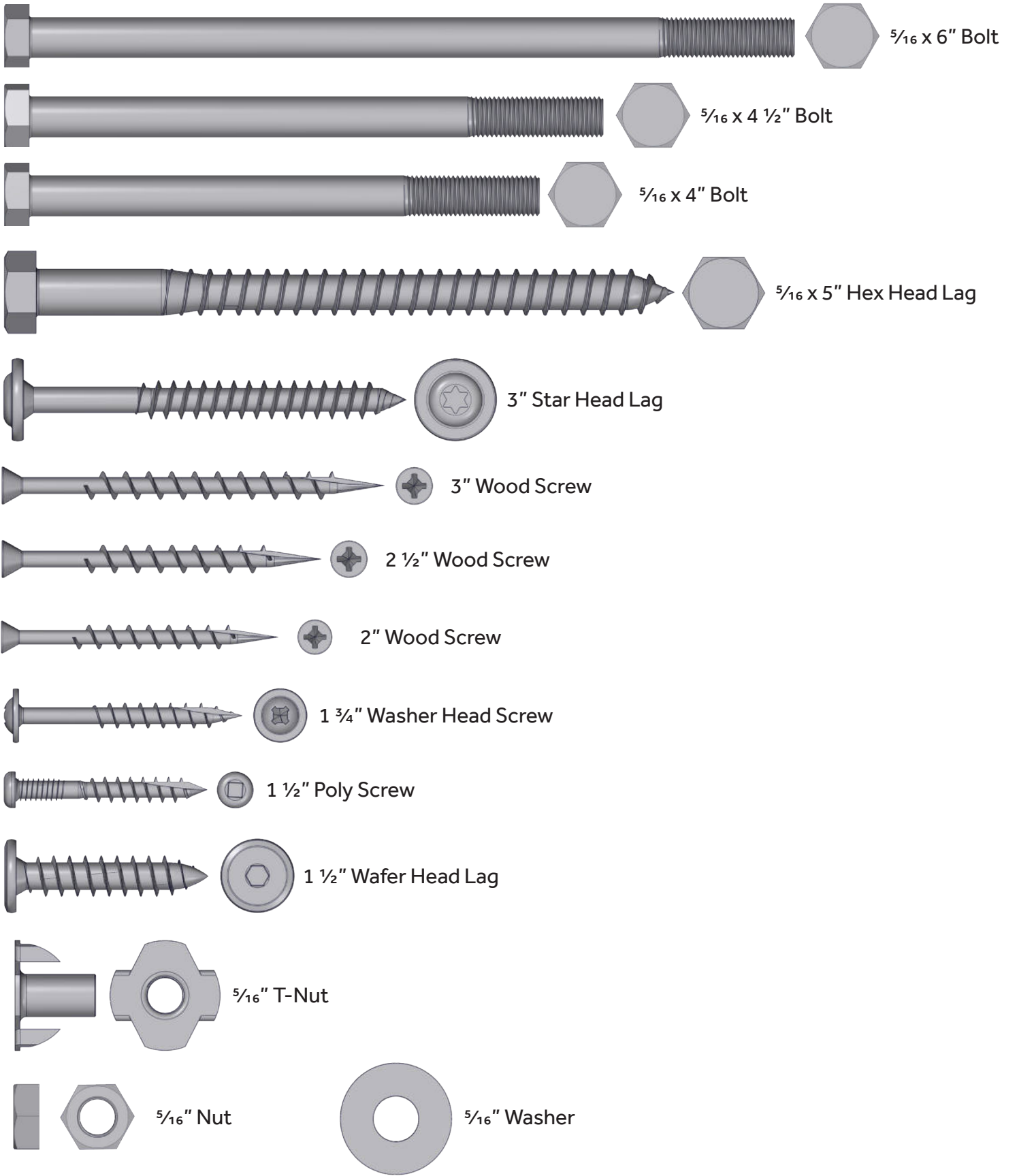
Parts List

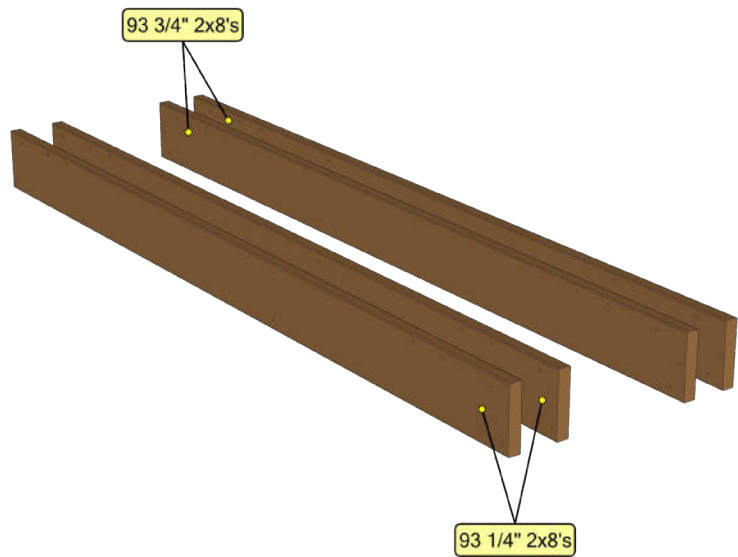
Tower	
Type	Quantity
108" 4x4 Post	1
92" 4x4 Post	3
59 1/2" 4x4 Post	3
93 3/4" 2x8	2
93 1/4" 2x8	2
93 3/4" 2x6	2
93 1/4" 2x6	2
93 1/4" 2x4	1
93 3/4" 2x4	4
91" 2x6 Floor Joists	6
2x4 Braces	4
2x6 Braces	4
4x4 Braces	8
Floorboards	16
Poly Slats	

Structure	
Front Wall	1
Side Walls	2
Back Wall	1
Dormer Roof Panel	1
Back Roof Panel	1
Roof End Plywood	2
Roof Dormer Plywood	1
Corner Trim	4
Door Trim	1

Swing Frame	
2x6 Swing Beam	1
4x4 Legs	2
2x6 Brace	1
2x4 Brace	1
Support Brackets	2

Hardware

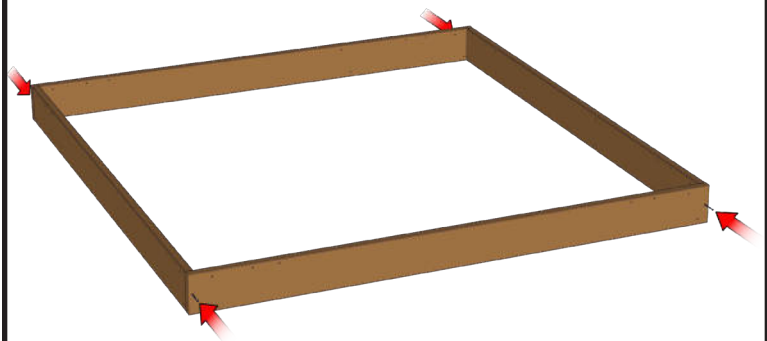




Step 1.

Begin the assembly by locating two 93 1/4" 2x8's and two 93 3/4" 2x8's.

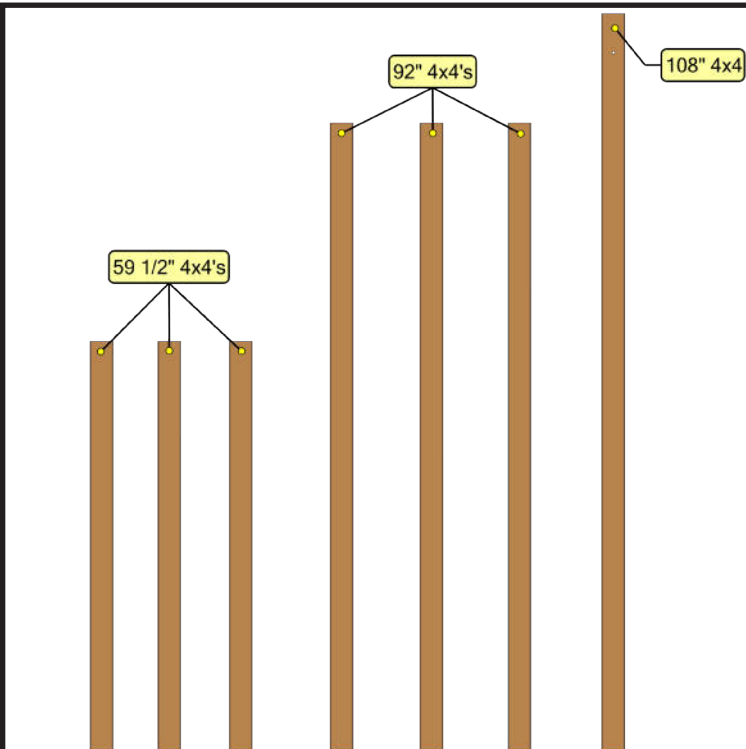
These will be pre-drilled for the bottom of the tower.



Step 2.

Place the 2x8's in a square with the 93 1/4" 2x8's on the inside and the 93 3/4" 2x8's on the outside.

Fasten the 2x8's together using four 3" wood screws through the 93 3/4" 2x8's.



Step 3.

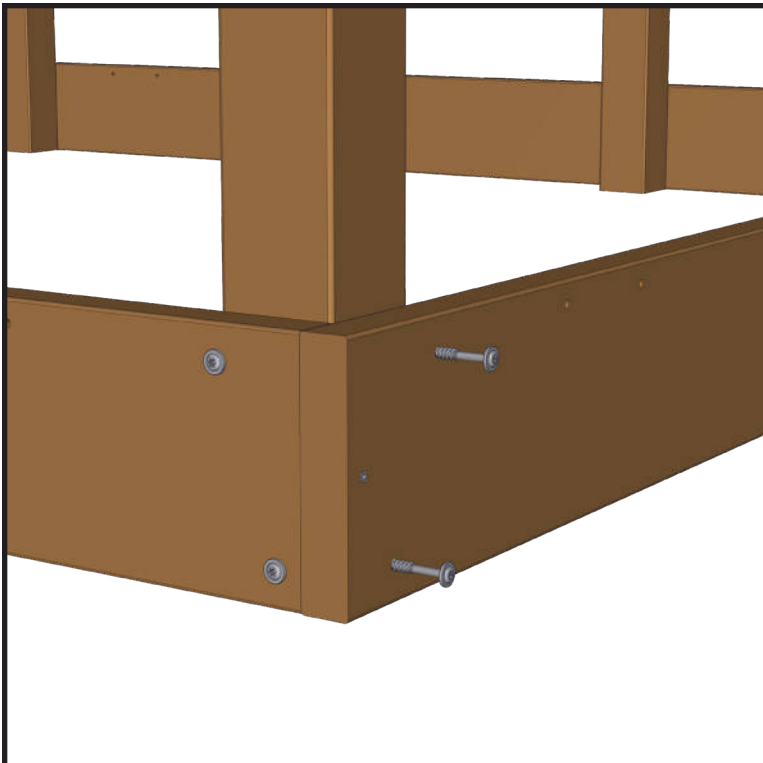
Locate one 108" 4x4 post, three 92" 4x4 posts and three 59 1/2" 4x4 posts.



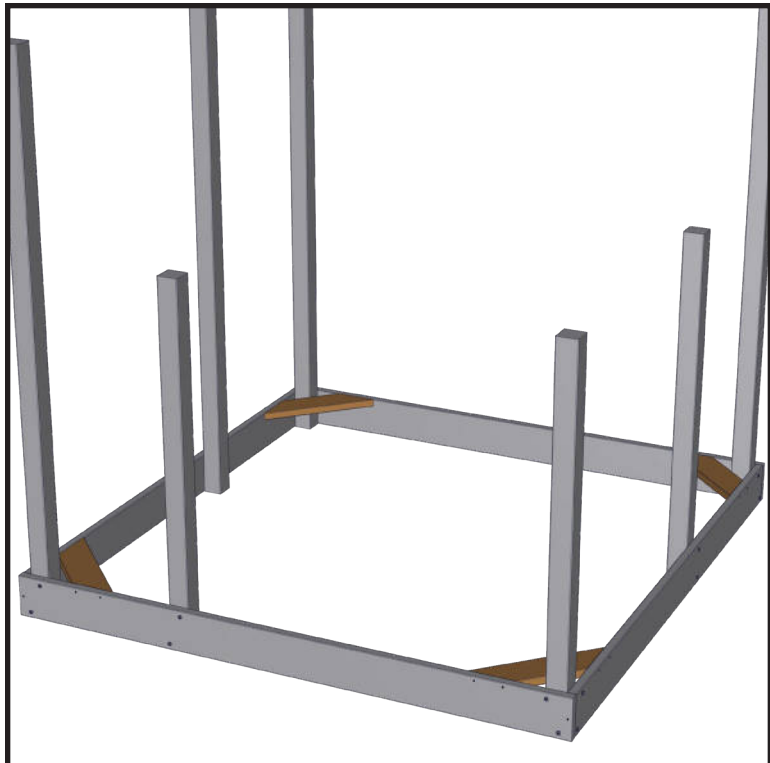
Step 4.

Place the 4x4 posts in the 2x8 square.

Each post is numbered and has a matching number on the 2x8's. Match these numbers to ensure the posts are positioned correctly.



Step 5.
Fasten the 4x4 posts using 3" star head lags.



Step 6.
Place a 2x6 brace in each corner and fasten them with 2 1/2" wood screws.



Step 7.
Place the 93 1/4" 2x6's on the tower making sure they are on the same side as the ones below.

Place the included deck spacers between the 2x6's and 2x8's to position them then fasten the 2x6's with 3" star head lags.



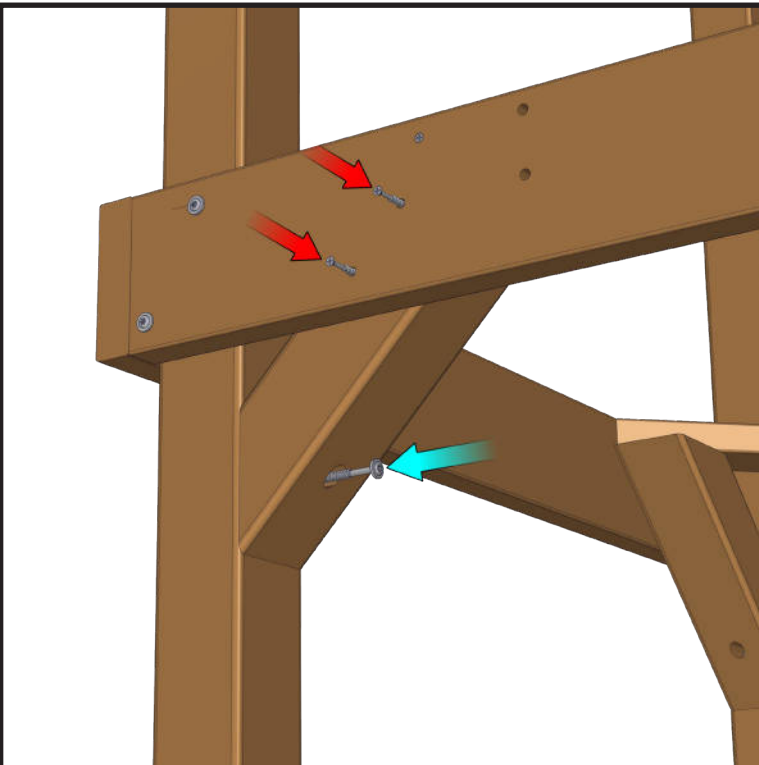
Step 8.
Place the two 93 3/4" 2x6's on either side and fasten them using the same lags.



Step 9.
Place a 2x4 corner brace in each corner and fasten them with 3" wood screws.



Step 10.
Locate the 4x4 corner braces and place two in each corner. Keep them up against the 2x4 corner brace with the pre-drilled holes facing down.



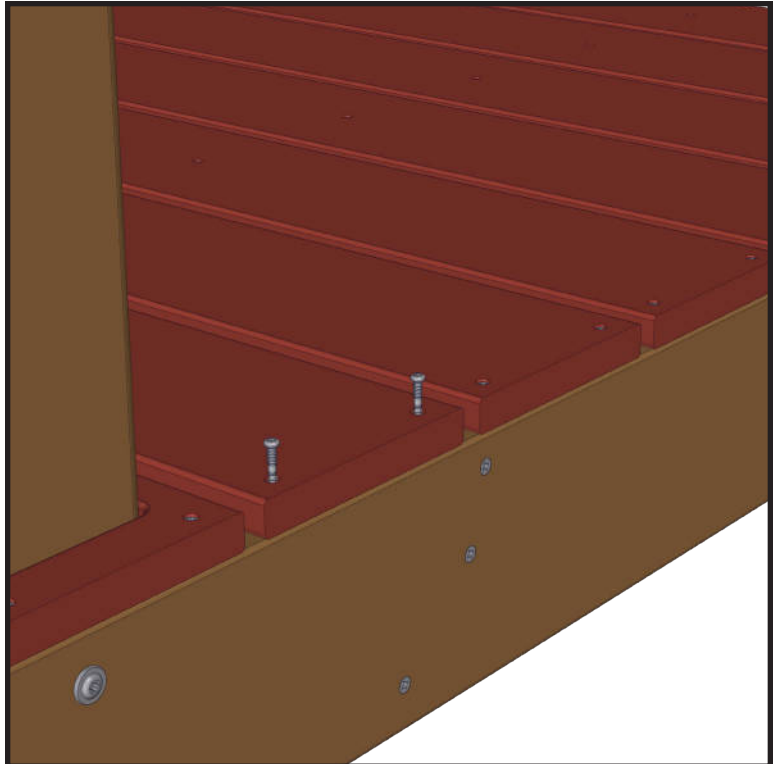
Step 11.
Fasten the 4x4 corner braces using **two 3" wood screws** through the 2x6 and **one 3" star head lag** through the pre-drilled hole.



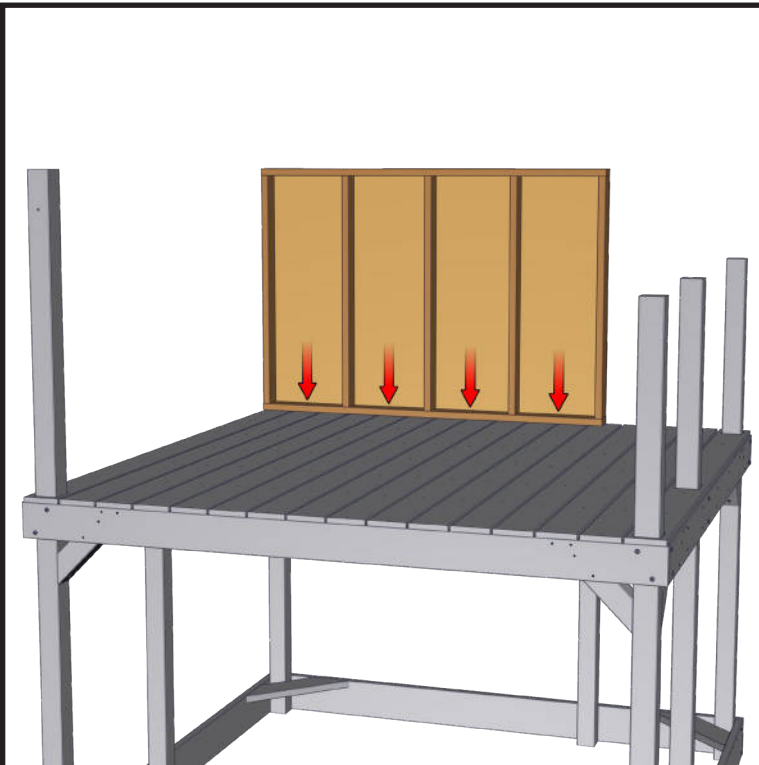
Step 12.
Place five 91" 2x6 floor joists in position and fasten them with 3" wood screws through the pre-drilled holes.



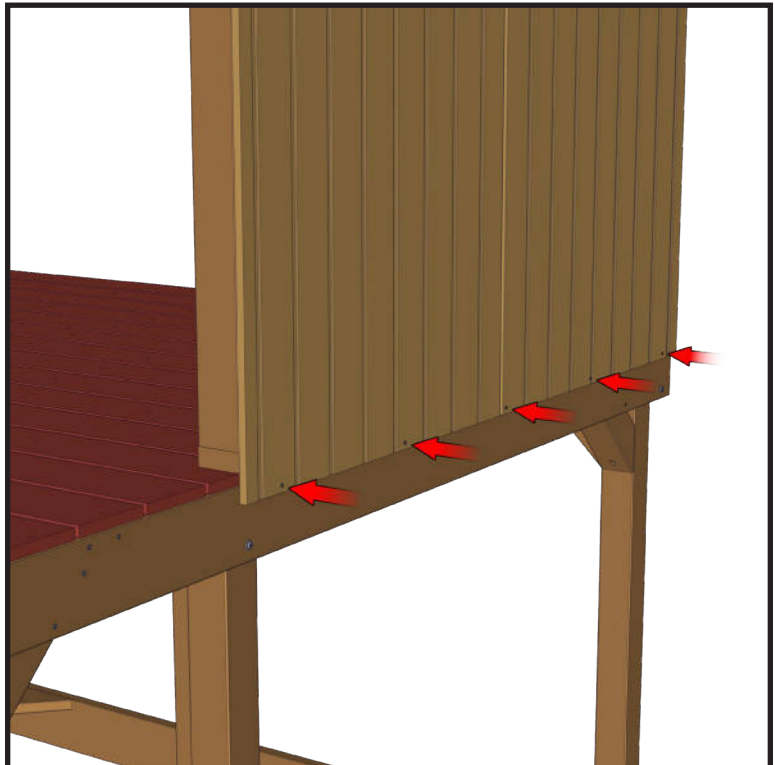
Step 13.
Place the floorboards in position over the 4x4 posts then space them out properly.



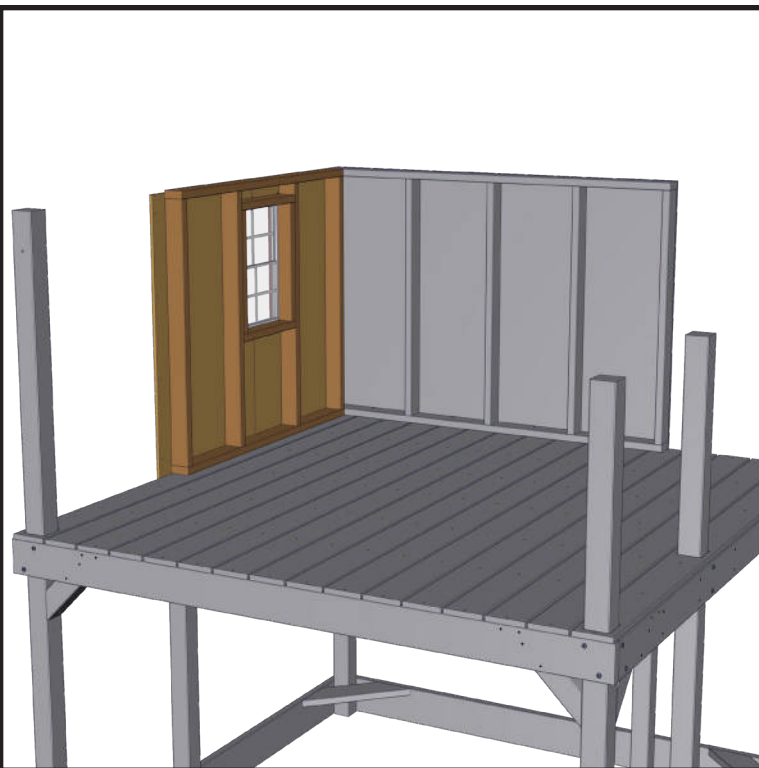
Step 14.
Fasten the floorboards using 1 ½" poly screws through the pre-drilled holes.



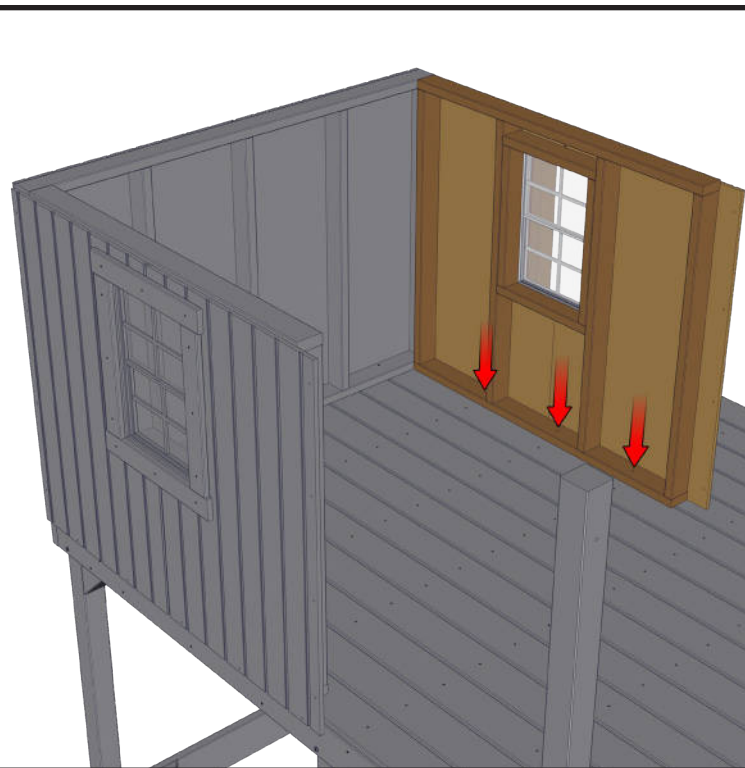
Step 15.
Place the back wall in place on the back of the tower. Make sure the left side is even with the outside of the tower then fasten the wall with 2" wood screws through the bottom 2x4 into the 2x6 below.



Step 16.
Fasten the outside of the wall to the tower using 1 ½" wood screws through the plywood overlap.



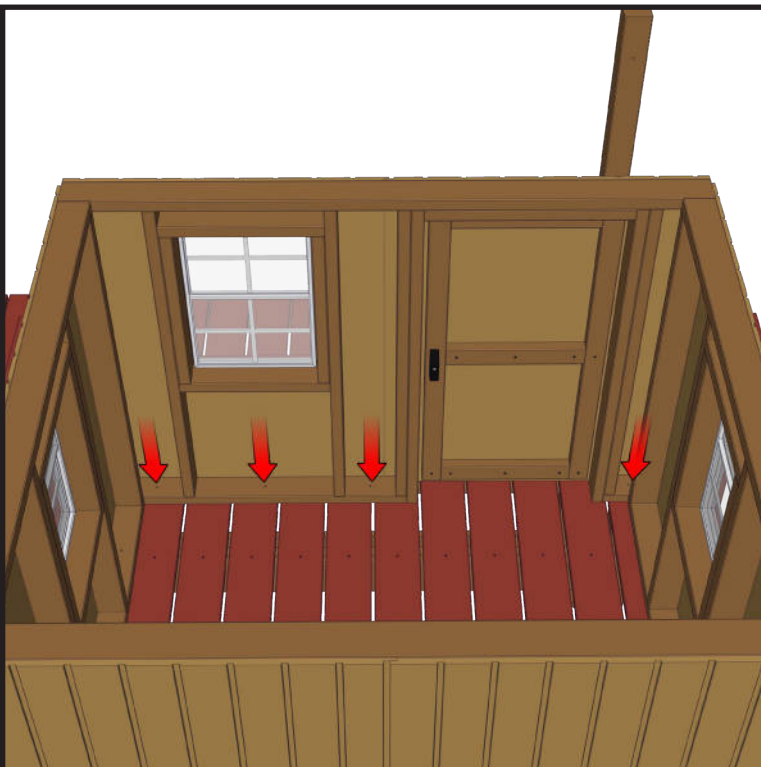
Step 17.
Place the left wall in place against the back wall and fasten it with the same hardware.



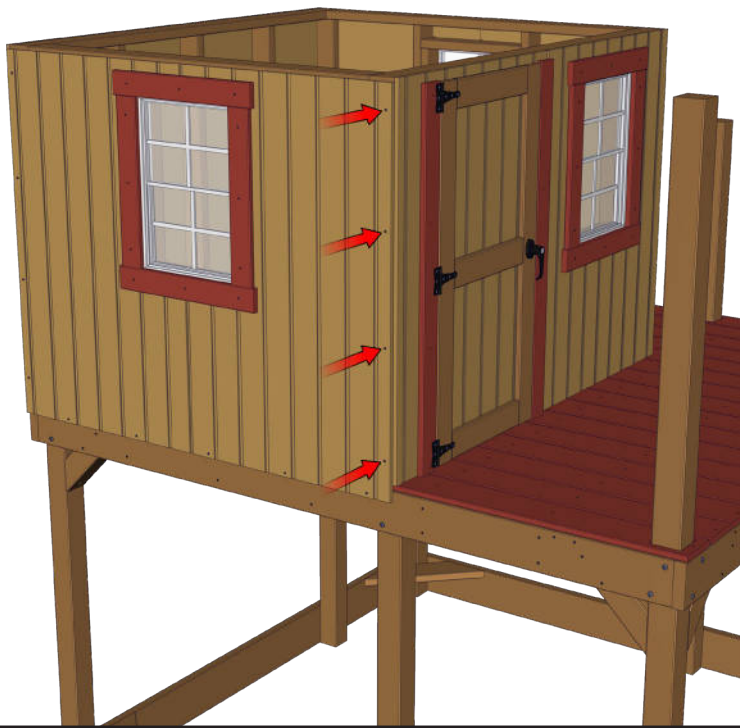
Step 18.
Place the right wall in place and fasten it with 2" wood screws into the floor joists below.



Step 19.
Place the front wall in place.

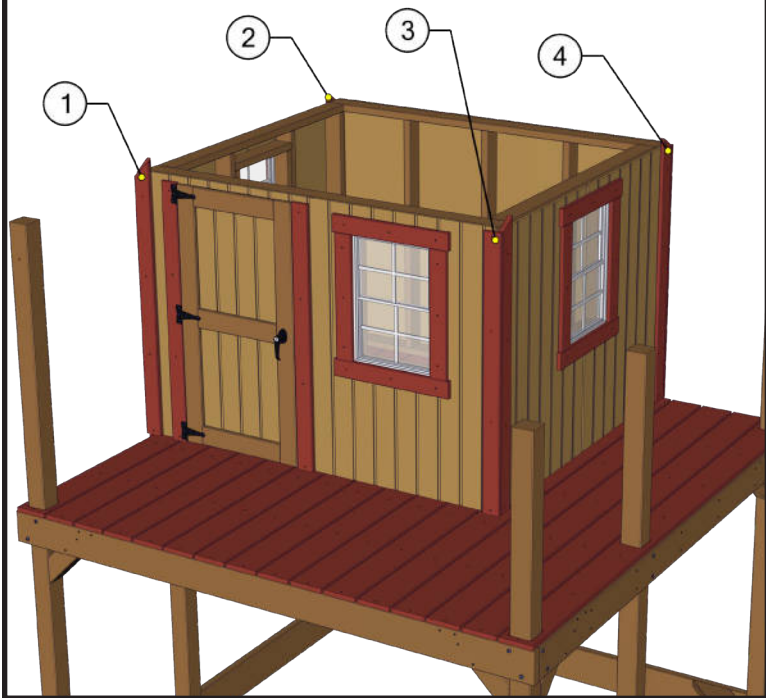


Step 20.
Fasten the front wall with 2" wood screws.



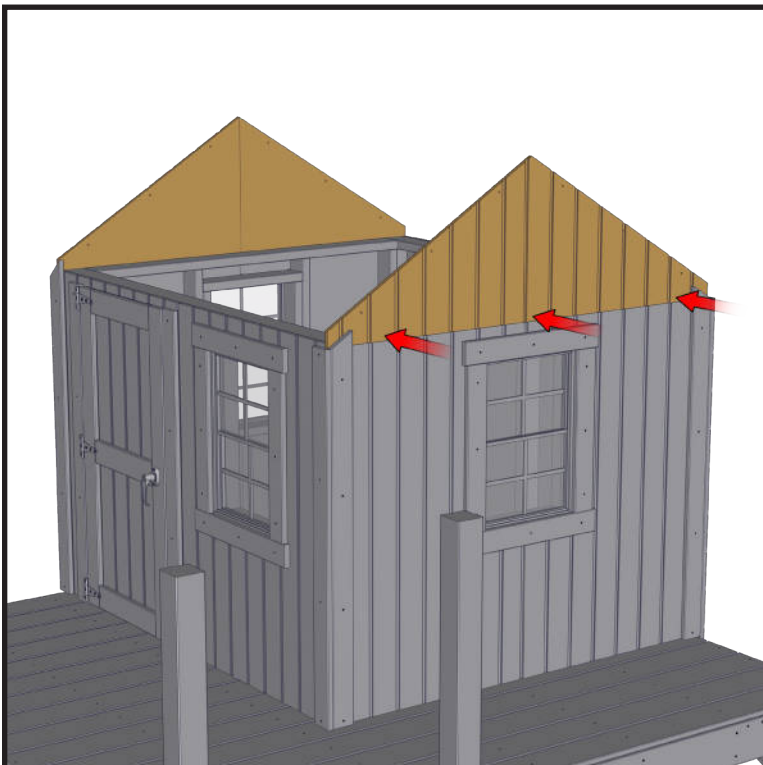
Step 21.

Fasten all four walls together using 1 1/2" wood screws through the plywood overlap.



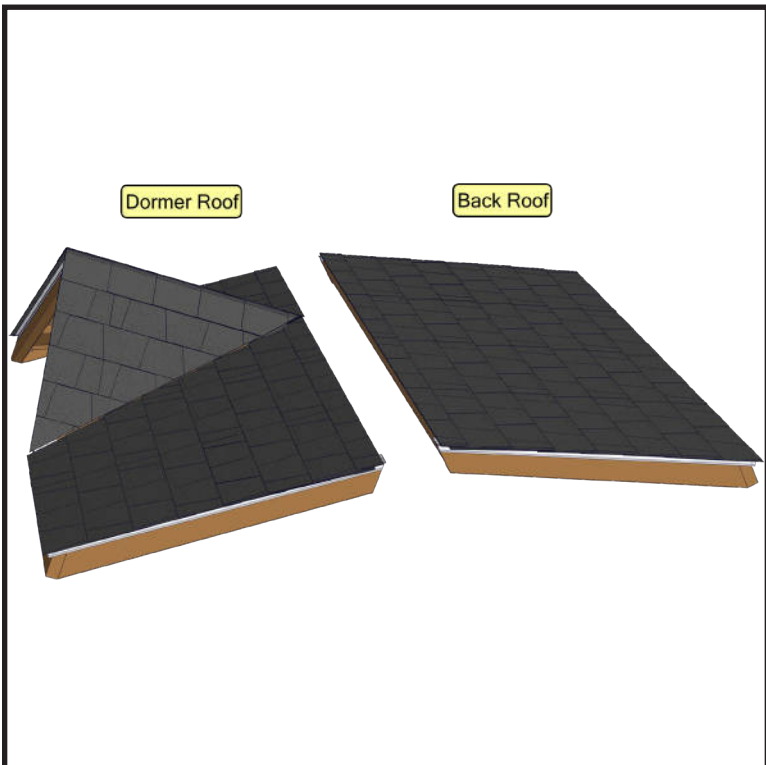
Step 22.

Place the four trim pieces in place and fasten them with 1 1/2" poly screws.



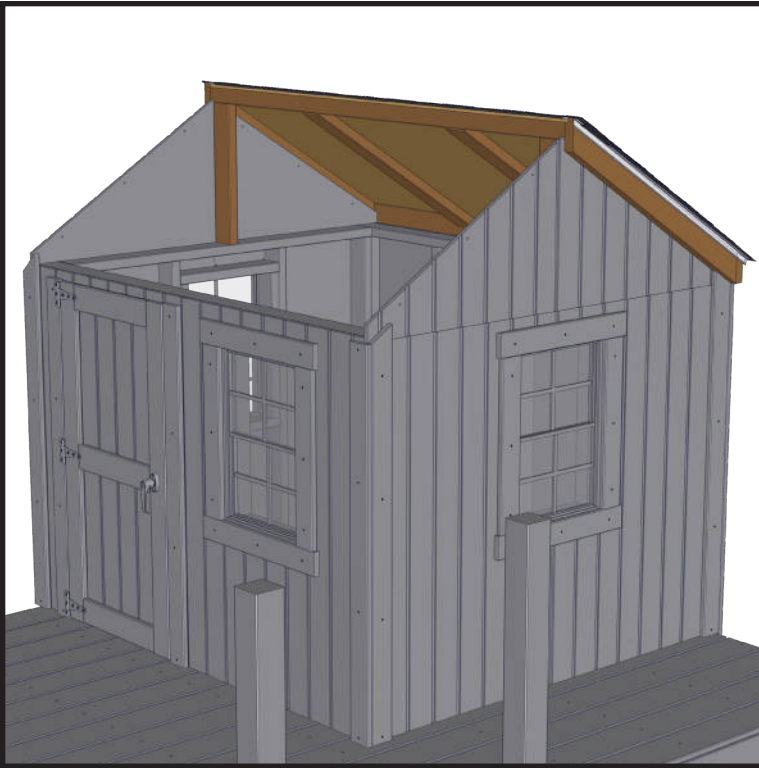
Step 23.

Locate the plywood gable pieces and place them in position at each end of the roof. Center them and fasten them with 1 1/2" wood screws.



Step 24.

Locate the two assembled roof panels.



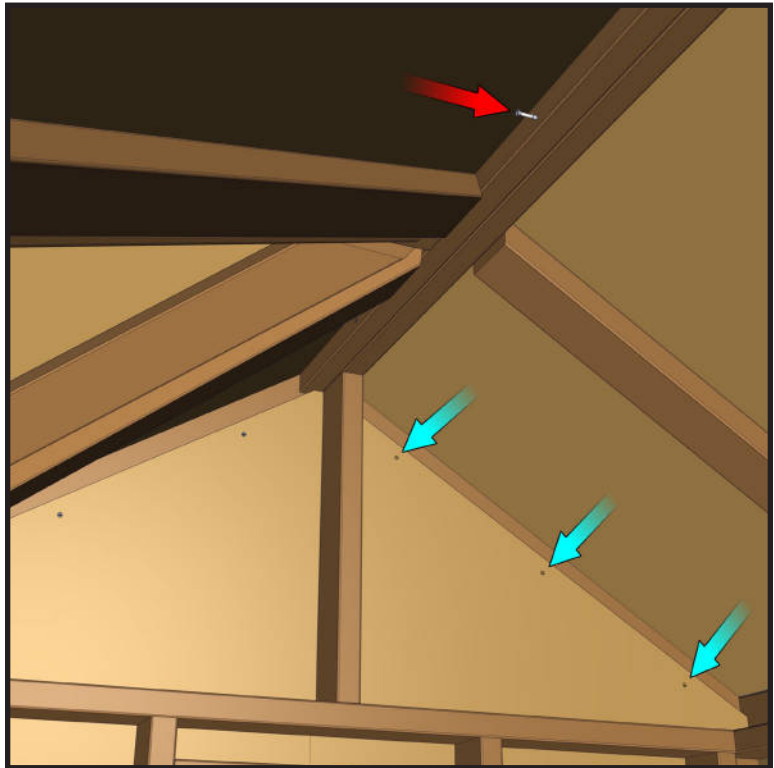
Step 25.
Place the back roof panel on the back wall using the included 2x4 braces to support it.



Step 26.
Fasten the back roof panel using 3" wood screws into the back wall.



Step 27.
Place the dormer roof panel in place and fasten it using the same screws into the front wall.



Step 28.
Fasten the two roof panels together using 3" wood screws then remove the 2x4 supports.
Fasten the plywood gable pieces using 1 1/2" wood screws from the inside.



Step 29.

Locate the plywood gable piece with the star cutout and install it in the dormer roof above the door. Fasten this piece with 1 1/2" wood screws from the inside and outside.



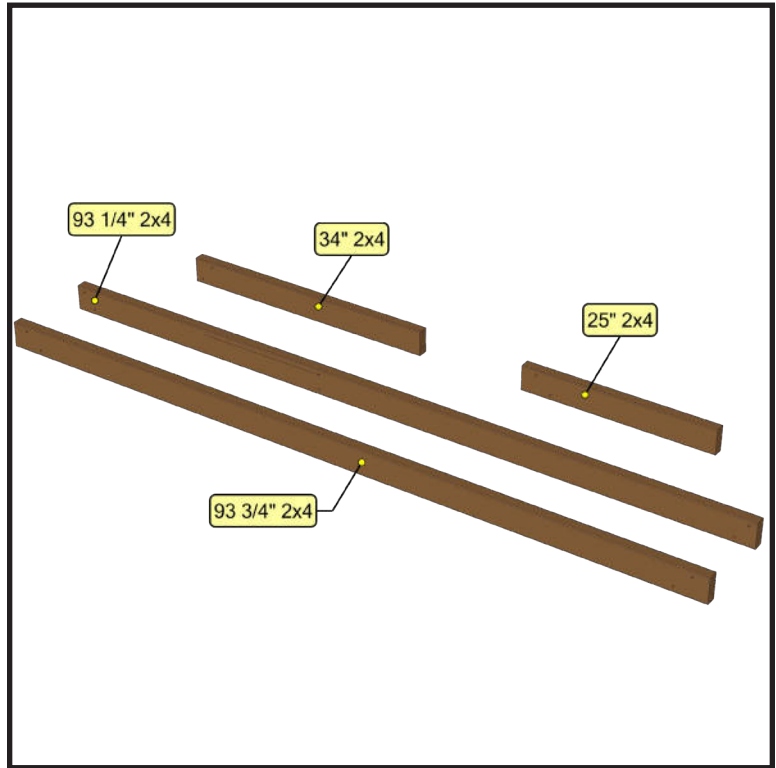
Step 30.

Place the poly door trim piece in place and fasten it with 1 1/2" poly screws.



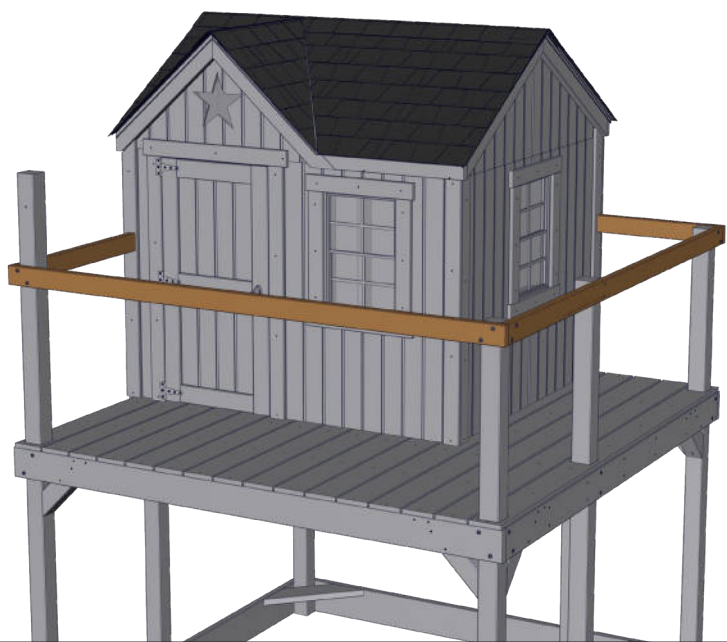
Step 31.

Install the ridge cap shingles to finish the roof.



Step 32.

Locate these 2x4's for the railings.



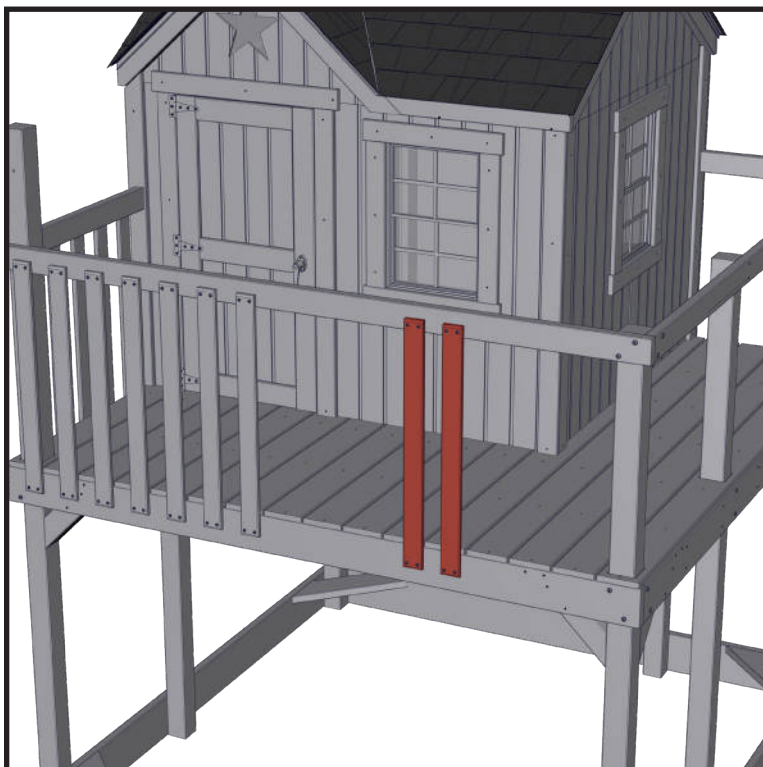
Step 33.
Place the 2x4 railing pieces in place and fasten them with 3" star head lags.



Step 34.
Start filling the empty spaces on the tower with poly slats. The front left side of the tower gets seven slats. Use the included slat spacer to position them and fasten them with 1 3/4" washer head screws.



Step 35.
The left side of the tower gets five slats.



Step 36.
Fasten two slats on the front right side of the tower. Leave a 19 1/4" space between the right slat and the 4x4 corner post.



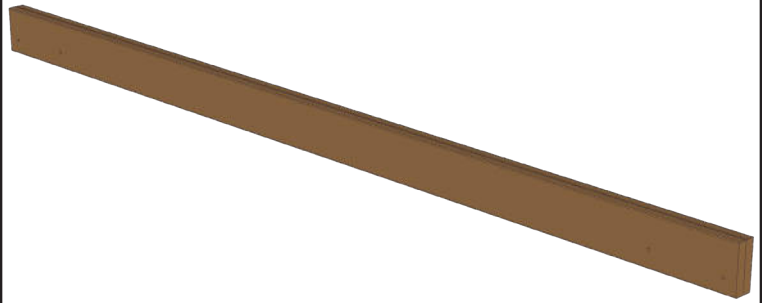
Step 37.

The right side of the tower gets four slats in the center.
Leave enough room for the cargo net and rock wall on either side.



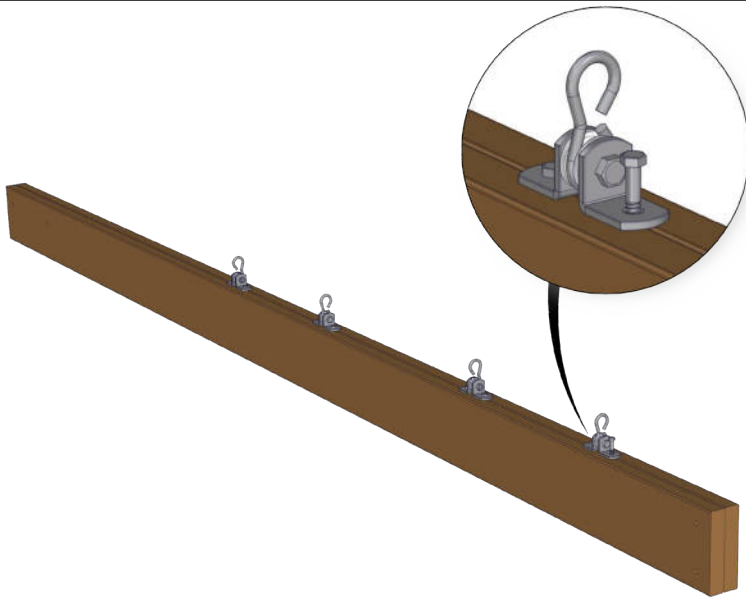
Finished Tower

Swing Frame



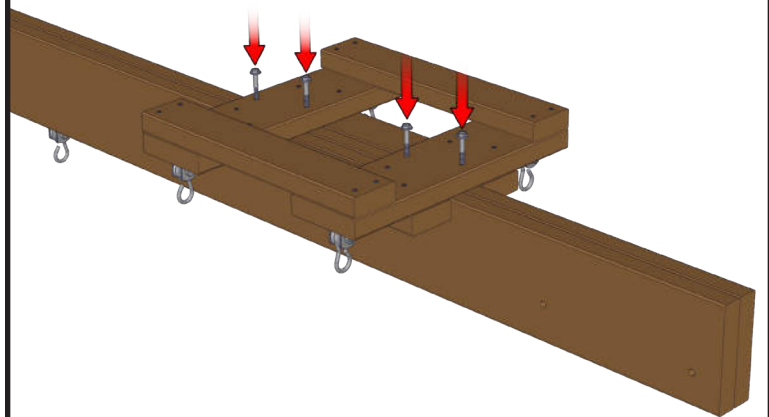
Step 1.

Locate the swing beam and place it on the ground with the pre-drilled bearing holes facing up.



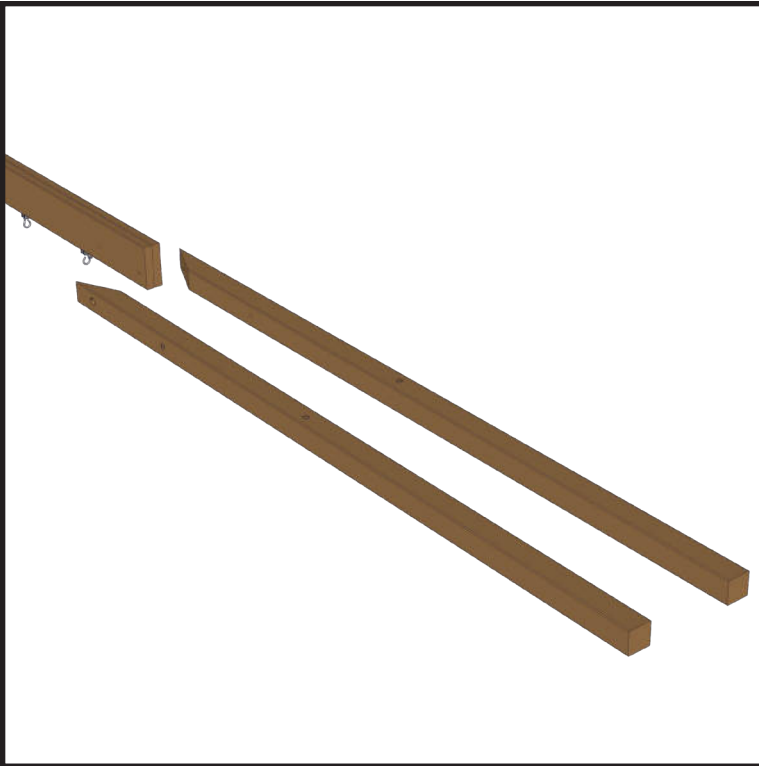
Step 2.

Fasten the swing bearings to the swing beam with the included lags in the pre-drilled holes.

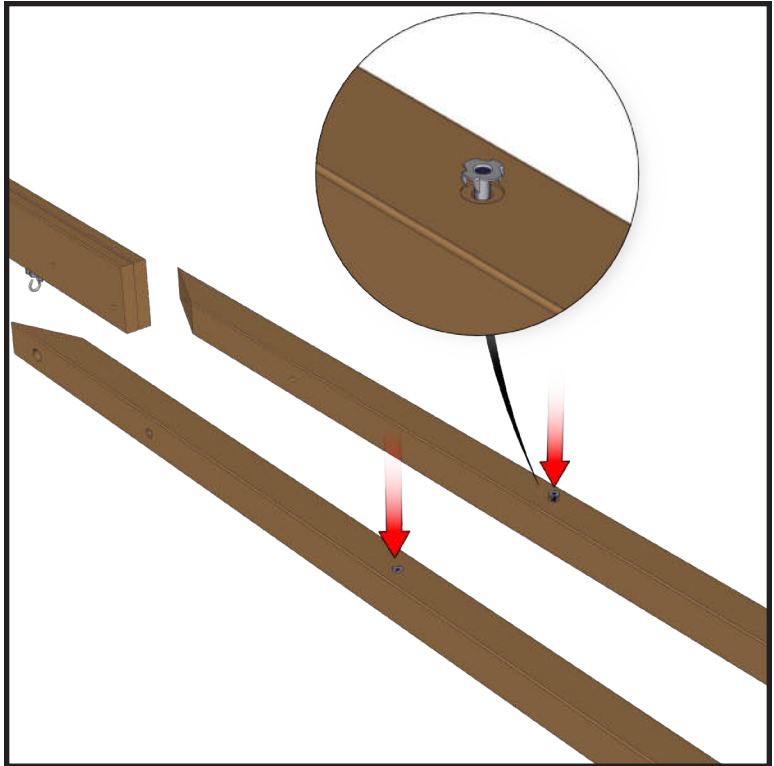


Step 3.

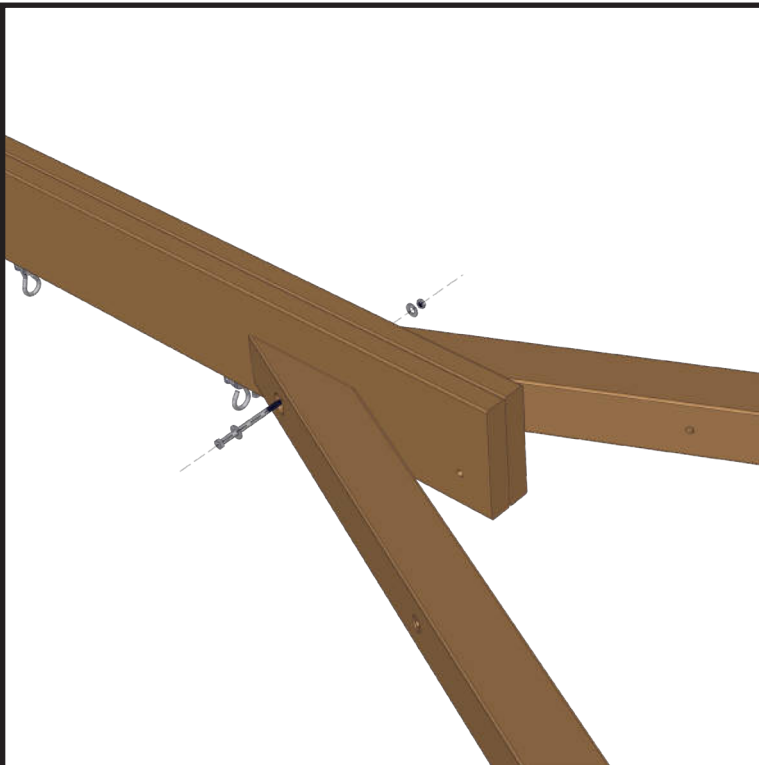
If your playset has a glider, place the glider bracket on the swing beam and fasten it with four washer head lags.



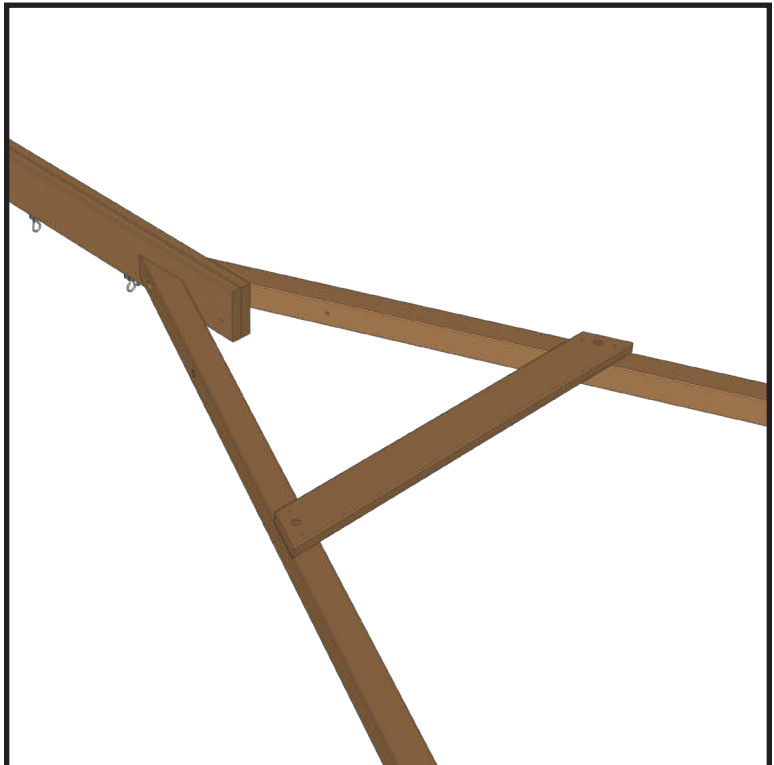
Step 4.
Place two 4x4 posts at the end of the swing beam.



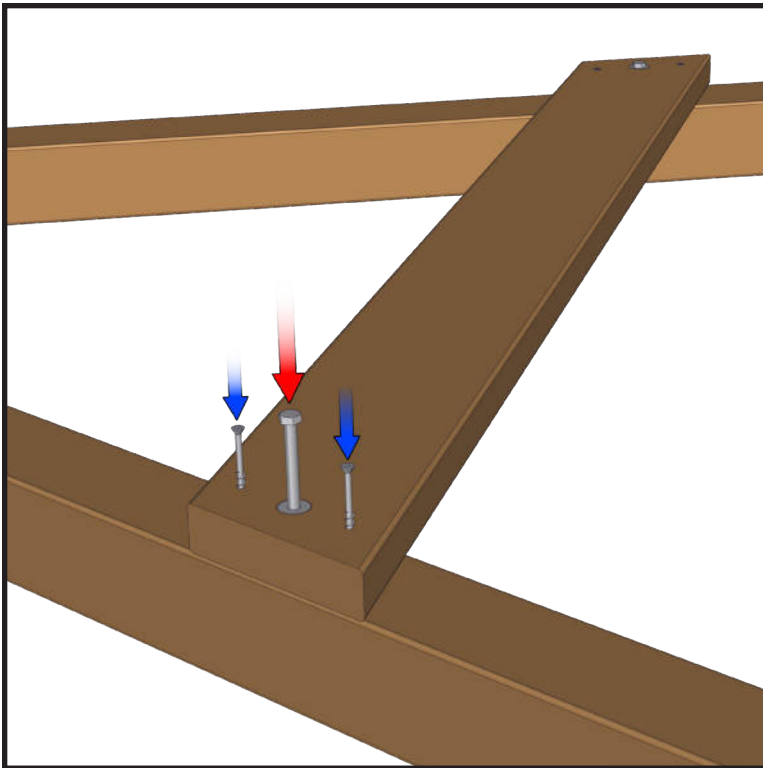
Step 5.
Place a T-Nut in each pre-drilled hole on the 4x4 posts.
Use a hammer to set them in the wood.



Step 6.
Flip the posts over so the T-Nuts are on the bottom then line them up with the pre-drilled holes in the swing beam.
Fasten the 4x4's to the swing beam using a 6" bolt, washers and a nut.
Do not tighten this bolt yet.

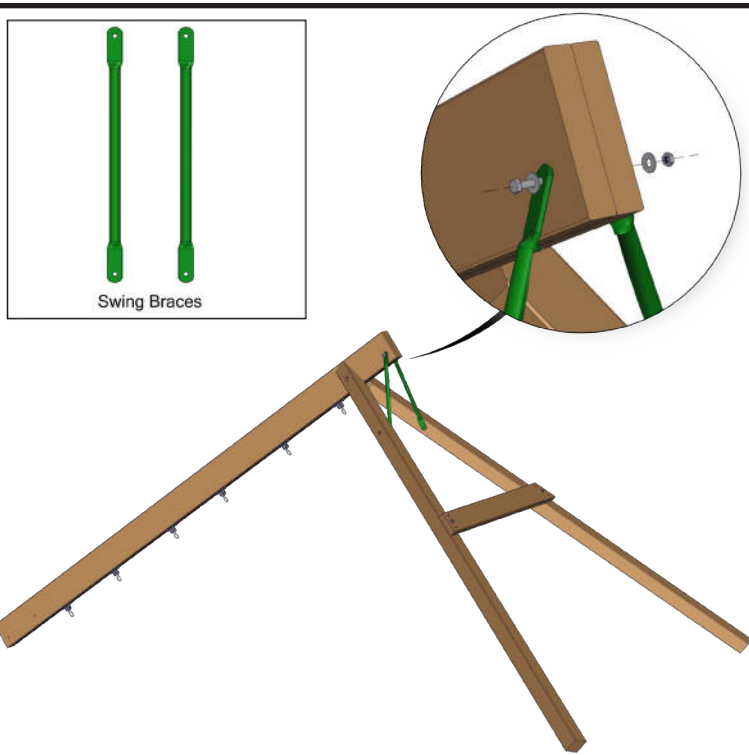


Step 7.
Place the 2x6 end piece on the posts.
Position the 2x6 so the pre-drilled holes on the posts and the 2x6 line up.



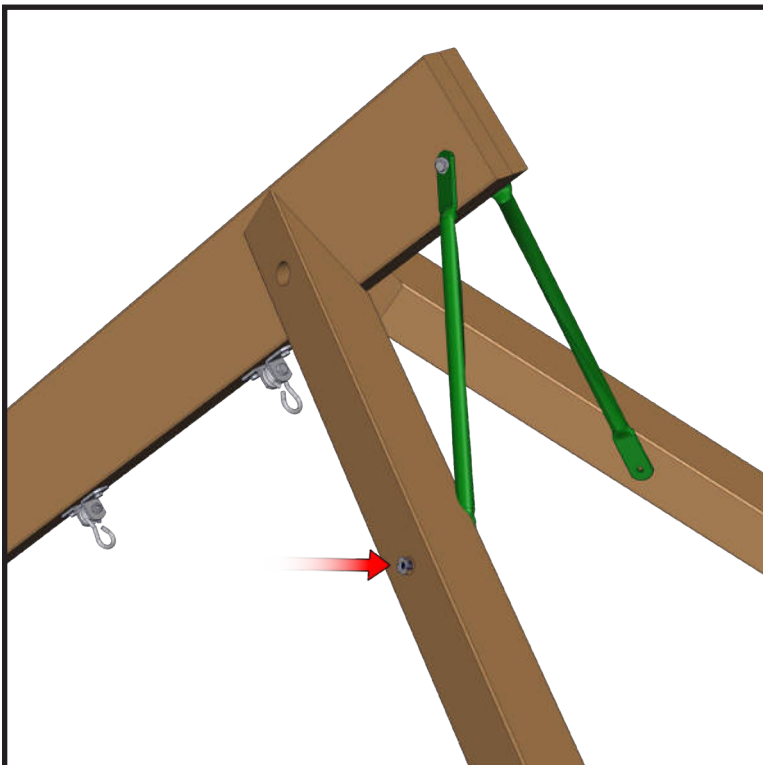
Step 8.

Fasten the 2x6 to the posts using a **4 ½" bolt and washer**. Thread the bolt into the T-Nut below then use a ½" wrench or socket to tighten it. Finish fastening the 2x6 with a **3" wood screw** on either side of the bolt.



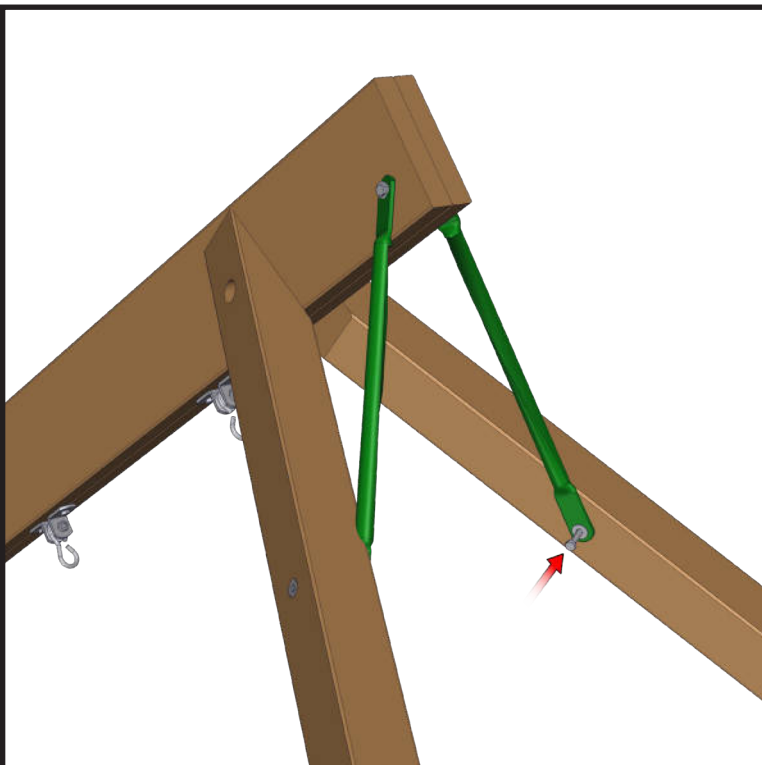
Step 9.

Raise the end of the swing frame up and move the 4x4 legs down into place. Then place two swing braces on the end of the swing beam. Fasten the swing braces using a 4" bolt, washer and a nut.



Step 10.

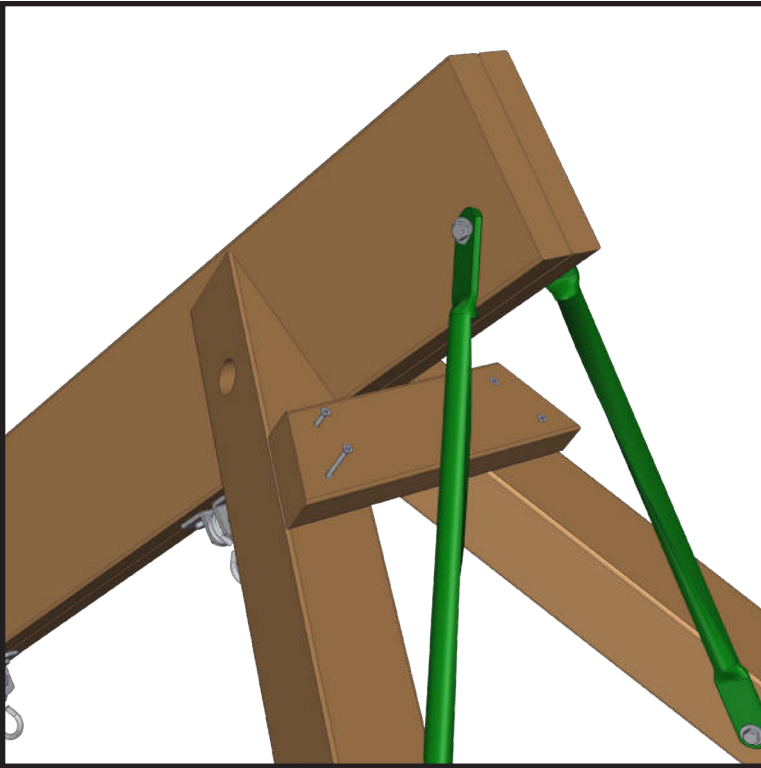
Place a T-Nut in the pre-drilled hole on the outside of each 4x4 post then use a hammer to set them into the wood.



Step 11.

Fasten the swing braces to the 4x4 posts using a 3 ½" bolt and washer in the pre-drilled holes. The swing braces will need to be bent slightly using a rubber mallet.

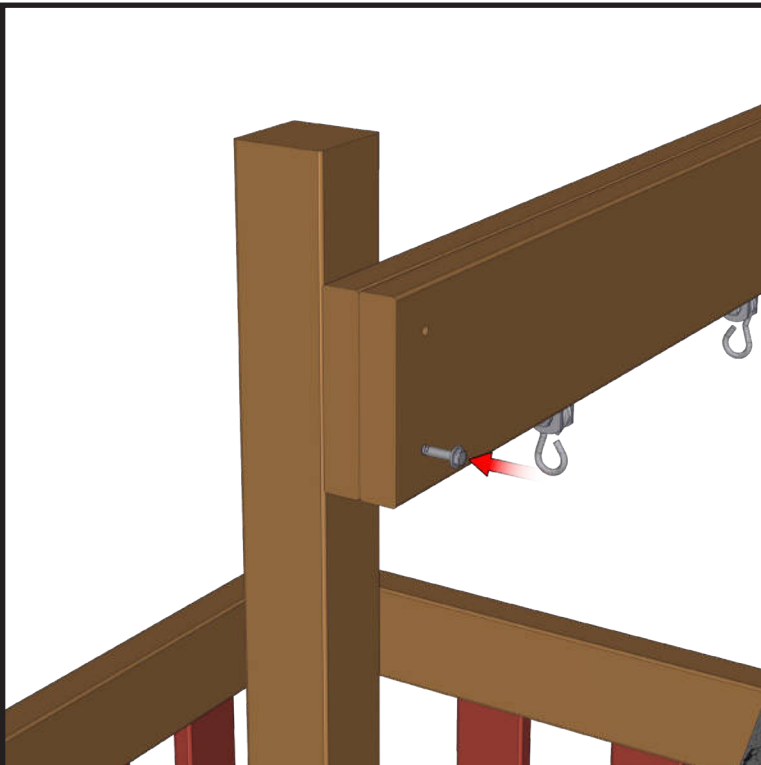
After this step tighten all the bolts on the swing frame.



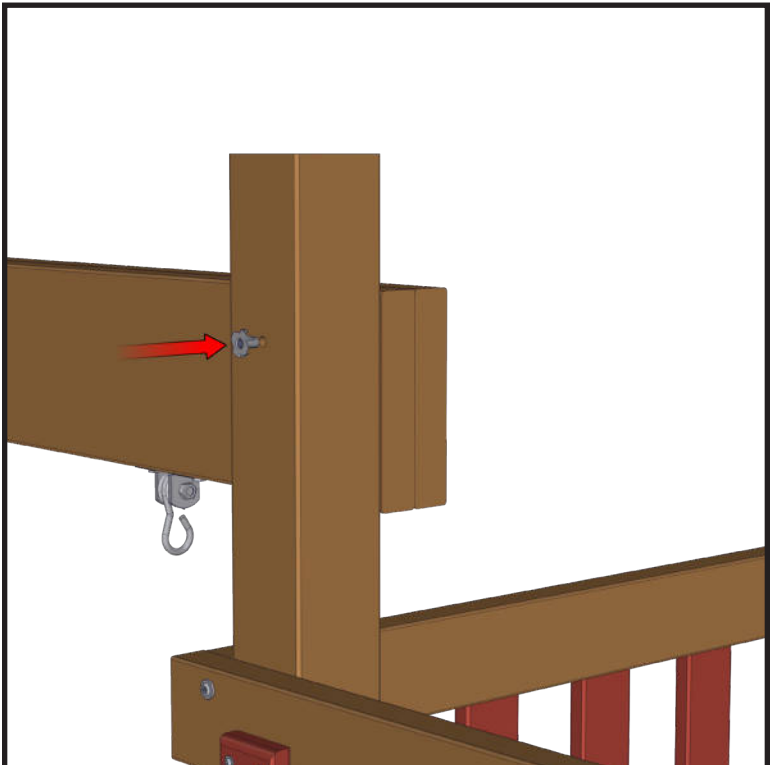
Step 12.
Place the 2x4 end piece on the 4x4 posts and line it up with the posts.
Fasten it with 3" wood screws.



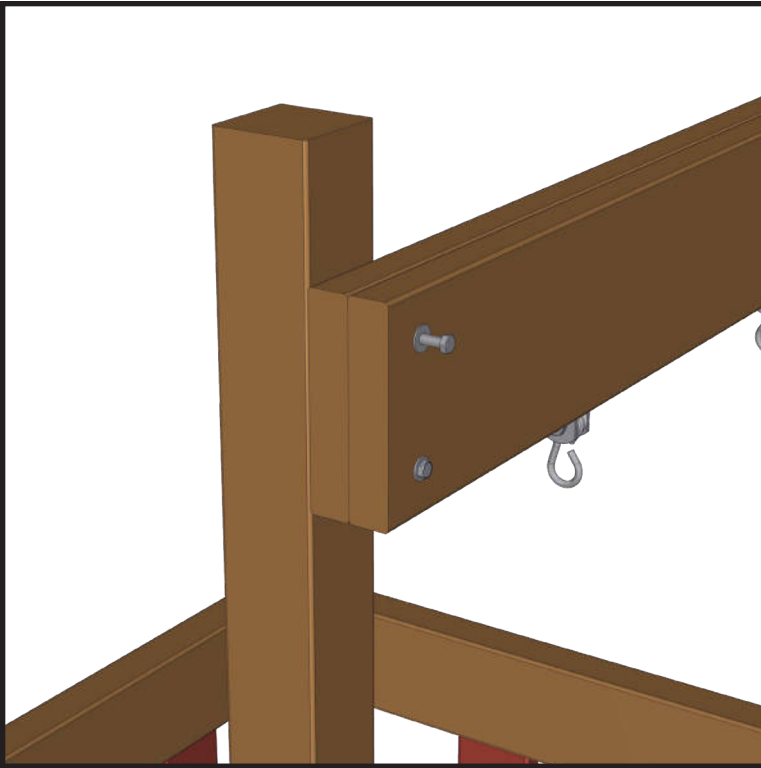
Step 13.
Lift the swing frame up and place it on the tower next to the 4x4 post.



Step 14.
Fasten the swing beam to the 4x4 post using a hex head lag and washer through the pre-drilled hole in the swing beam.



Step 15.
Drill a hole through the 4x4 post and swing beam using a $\frac{7}{16}$ " drill bit.
Place a T-Nut in the hole and set it with a hammer.



Step 16.
Fasten the swing beam to the post using a 6" bolt and washer through the hole.



Step 17.
Attach the rest of the swings to the swing bearings to finish the swing frame.

Accessories



Wood Ladder

Place a 2x4 support behind the right slat on the front of the tower and fasten it with the same screws used for the slats.



Wood Ladder

Place the ladder on the front side between the support 2x4 and the 4x4 post. Fasten it with 3" wood screws.



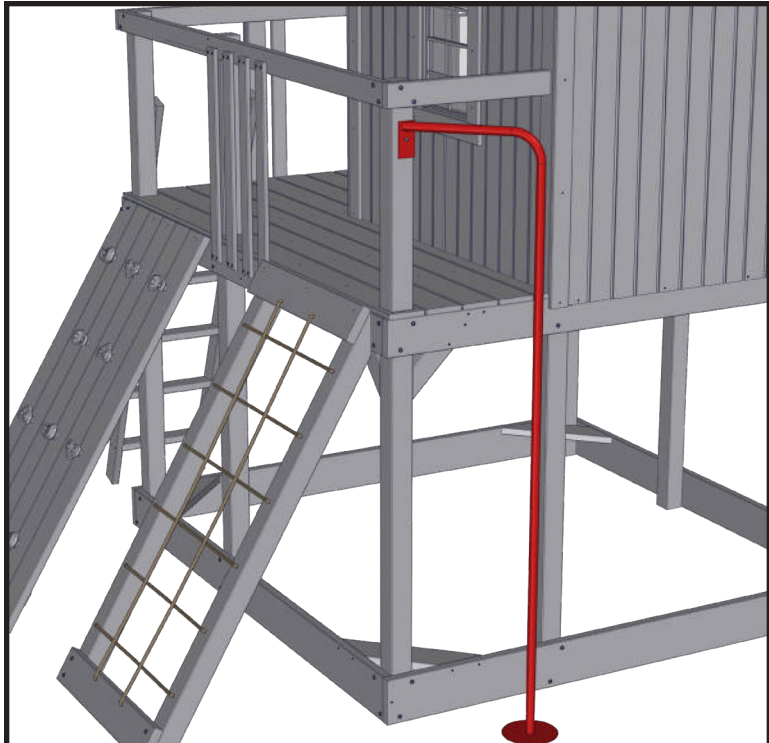
Cargo Net

Place the cargo net in an empty spot and fasten it with 3" star head lags.



Rock Wall

Place the rock wall in an empty spot and fasten it with 3" star head lags.



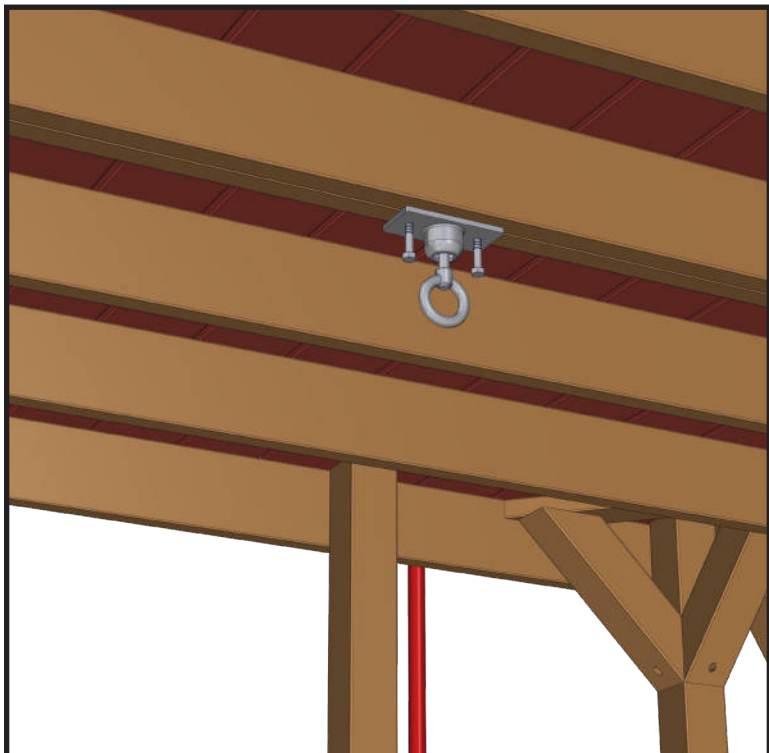
Firemans Pole

Fasten the firemans pole to the back 4x4 with 3" star head lags.



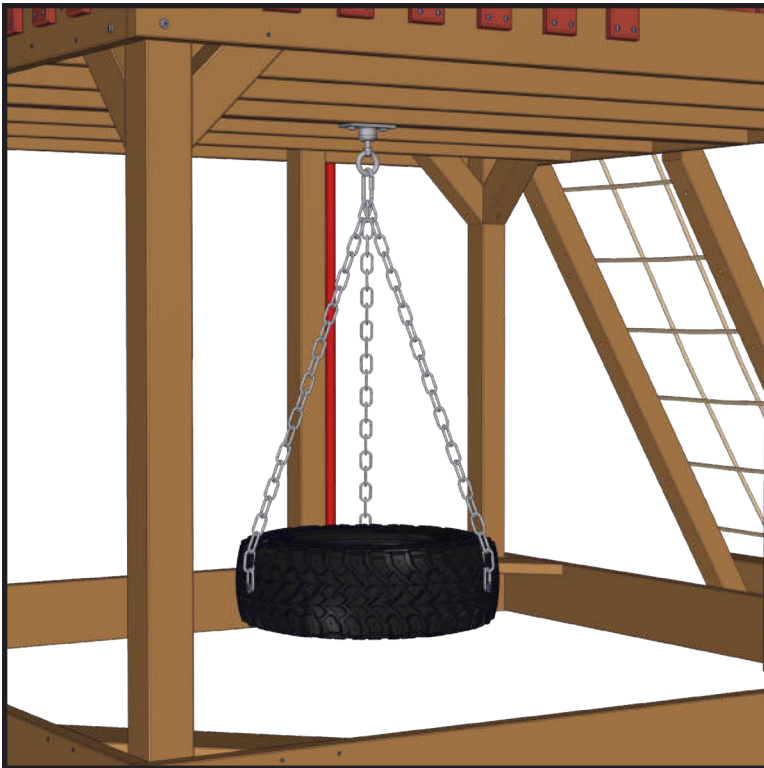
Wonder Wave Slide

Place the slide on the front side next to the ladder and fasten it with 1 1/2" star head lags.



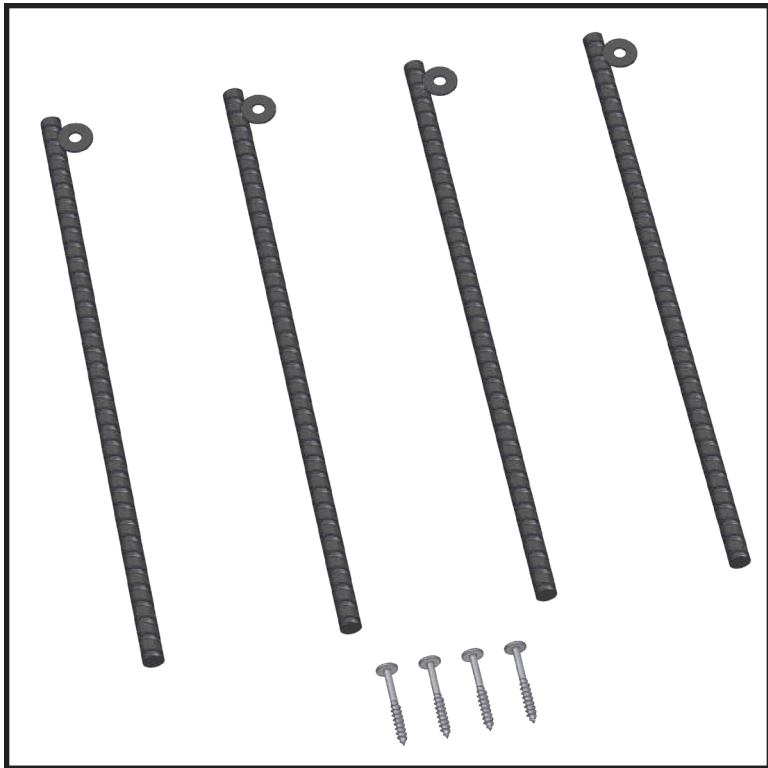
Tire Swing

Place the tire swing bracket underneath the tower on the center floor joist. Fasten it with the included lags.



Tire Swing

Attach the tire swing chains to the bracket to complete the tire swing.



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.