

Treehouse 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

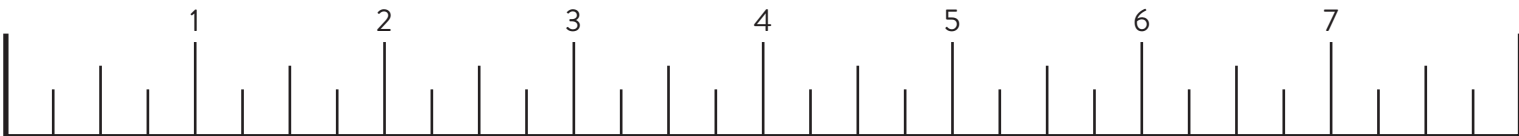
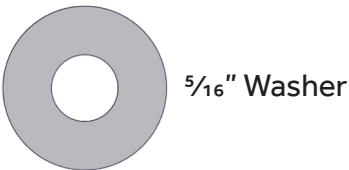
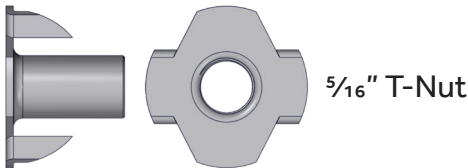
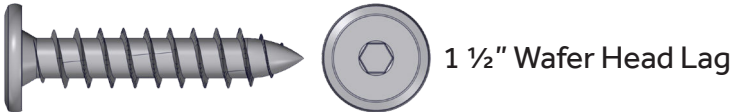
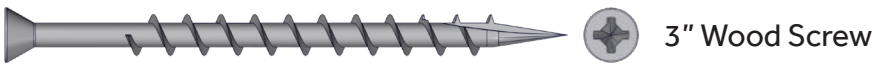
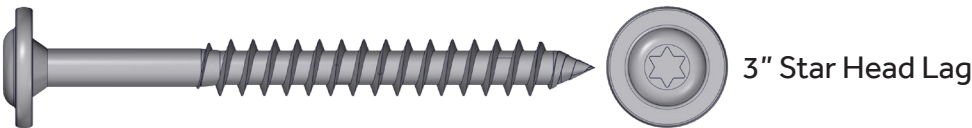
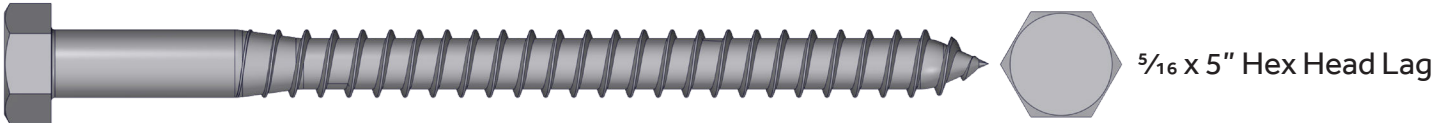
Tower	
Type	Quantity
108" 4x4 Posts	4
96" 4x4 Posts	2
80" 2x8's	2
59" 2x8's	2
94 5/8" 2x6's	2
59" 2x6	1
56 1/4" 2x6"	1
59" 2x4's	4
56 1/4" 2x4's	9
18 1/2" 2x4's	2
40 1/2" 2x4's	2
26" 2x4	1
2x6 Sandbox Seats	4
2x4 Corner Braces	4
4x4 Braces	8
Window Frames	2

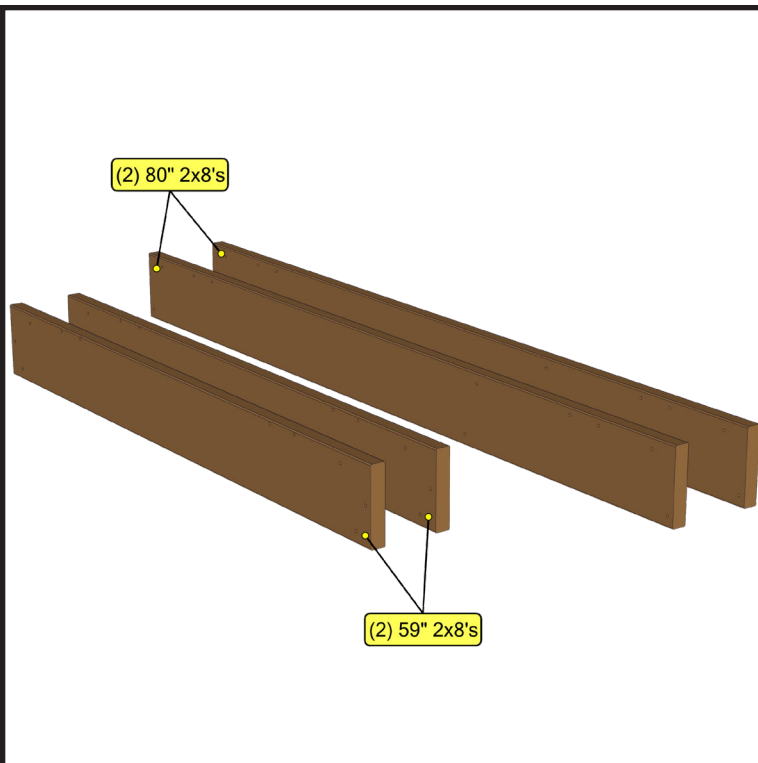
Back Wall Panel	1
Front Door Panels	2
Side Wall Panels	2
Side Wall Strips	2
Side Wall Cover Strips	2
Floorboards	10
Wood Slats	

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

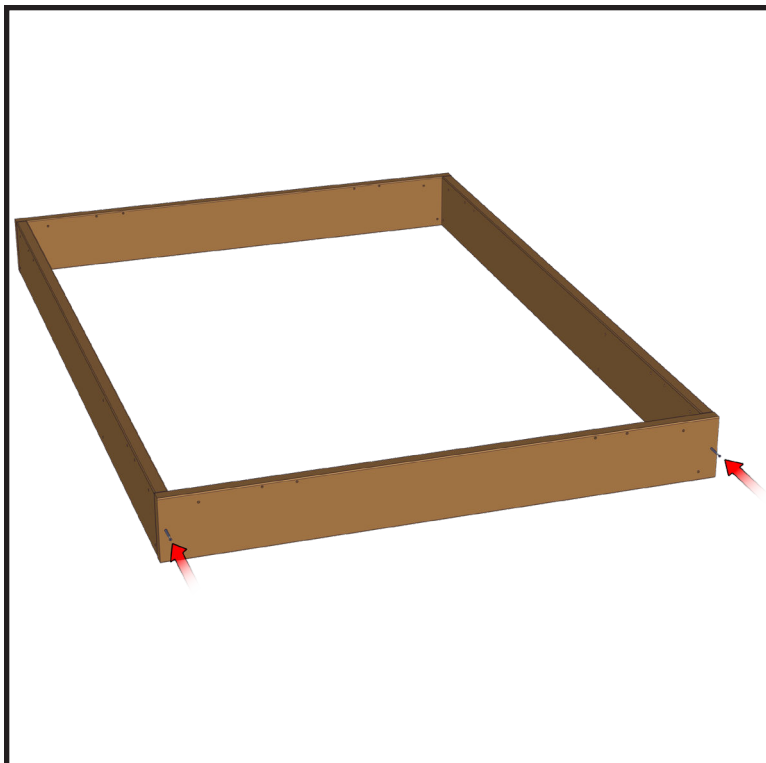
Wood Roof	
Roof Side Panels	2
Roof End Panels	2

Hardware





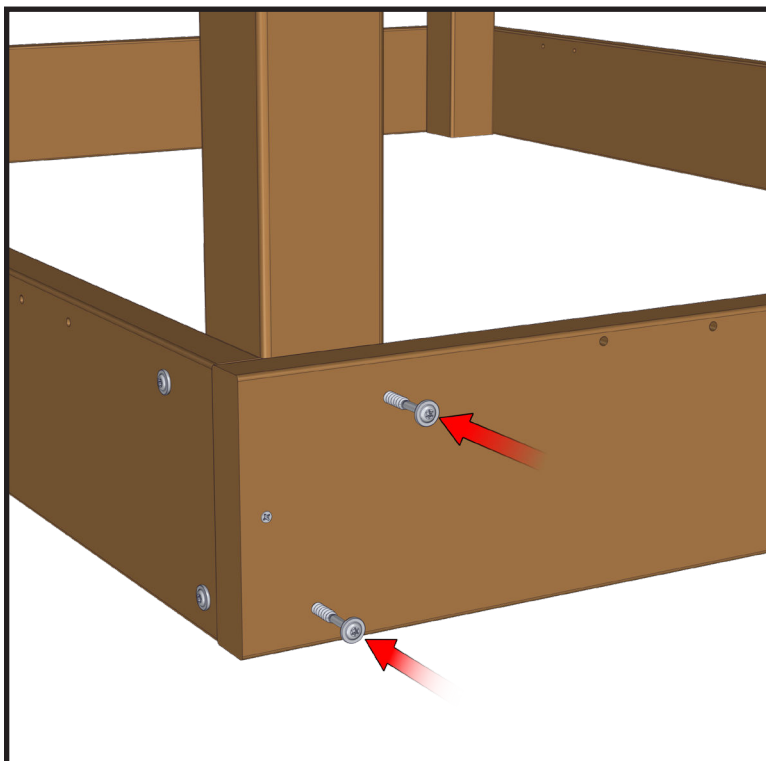
Step 1.
Begin the assembly by locating two 80" 2x8's and two 59" 2x8's.



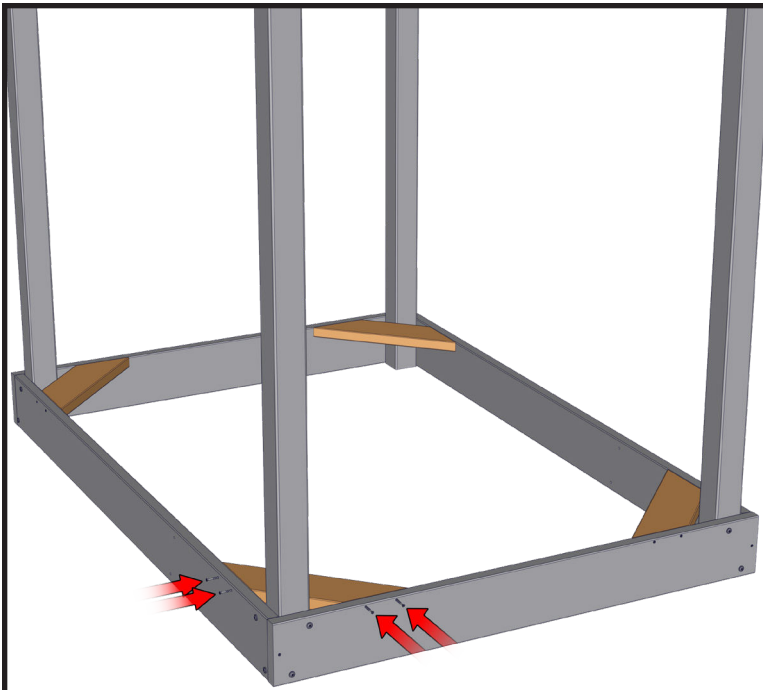
Step 2.
Place the 2x8's in a rectangle with the 59" 2x8's on the outside. Fasten them with a 3" wood screw at each corner.



Step 3.
Place two 108" 4x4 posts in the back of the frame and two 96" 4x4 posts in the front.

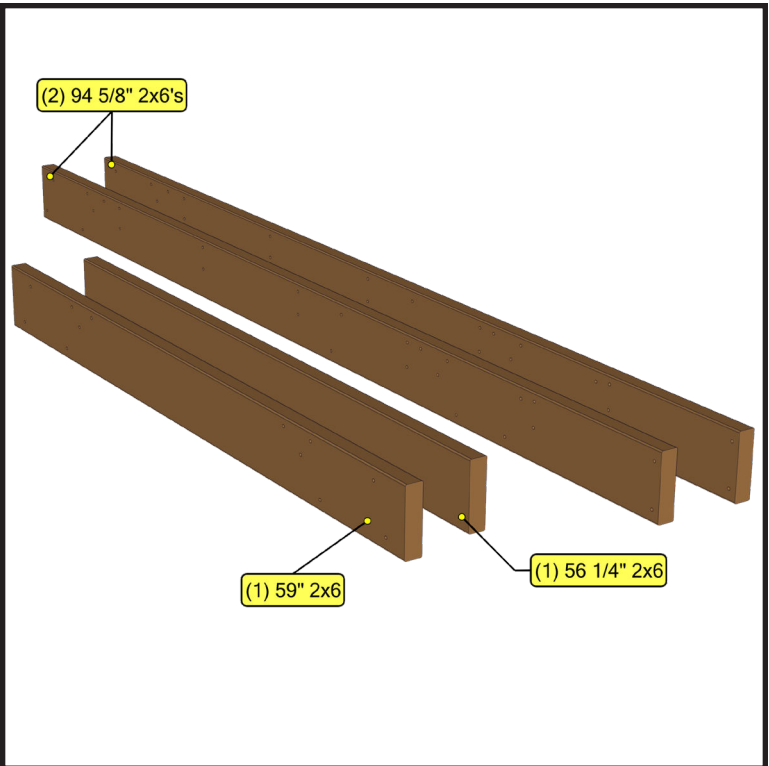


Step 4.
Fasten the 4x4 posts with four 3" star head lags at each corner. These holes will be pre-drilled.



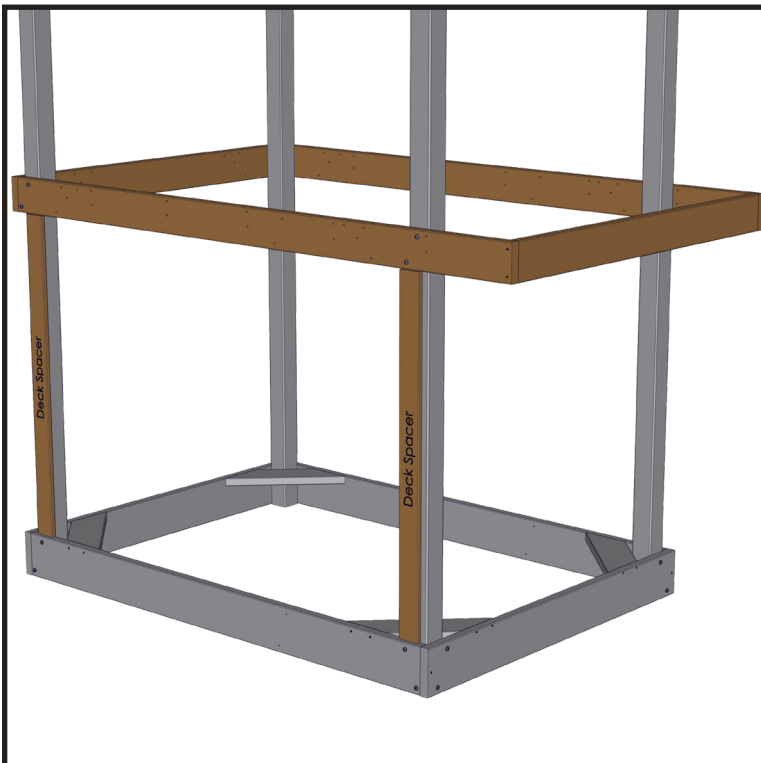
Step 5.

Place a 2x6 sandbox seat at each corner and fasten them with 2 1/2" wood screws.



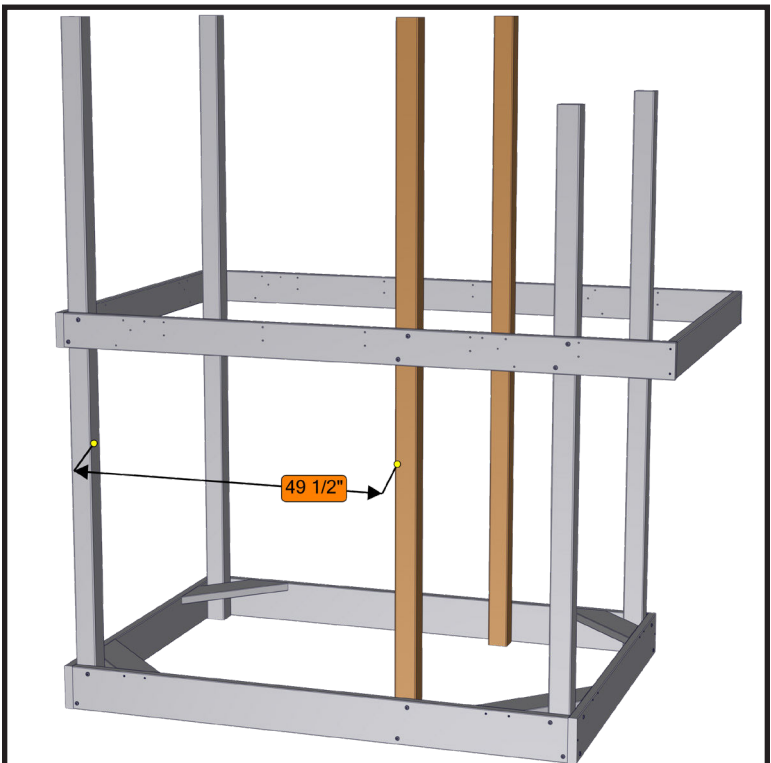
Step 6.

Locate these pieces to build the floor of the tower. There are two 94 5/8" 2x6's, one 59" 2x6 and one 56 1/4" 2x6.



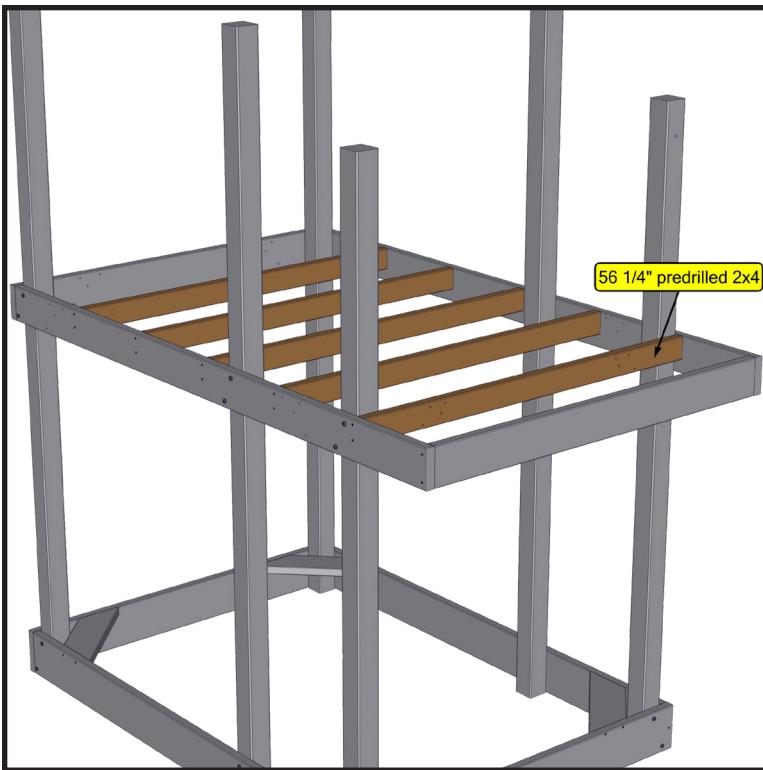
Step 7.

Place the 59" 2x6 on the back of the tower then place the two 94 5/8" 2x6's on either side. Fasten the 2x6's to the 4x4 posts with 3" star head lags. Place the 56 1/4" 2x6 on the front of the tower between the side 2x6's and fasten it with 3" wood screws. Use the included spacers to determine the height of the floor.

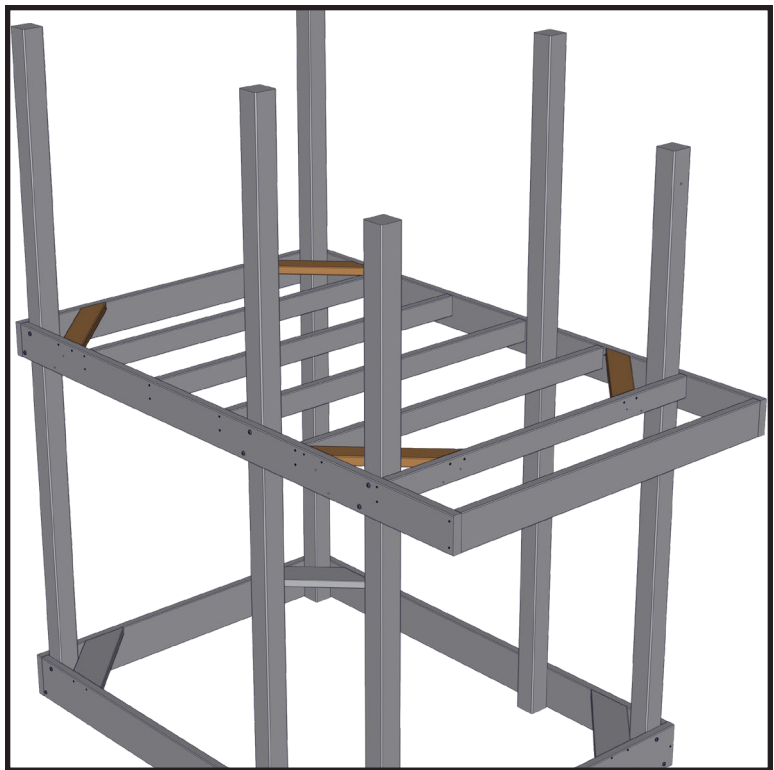


Step 8.

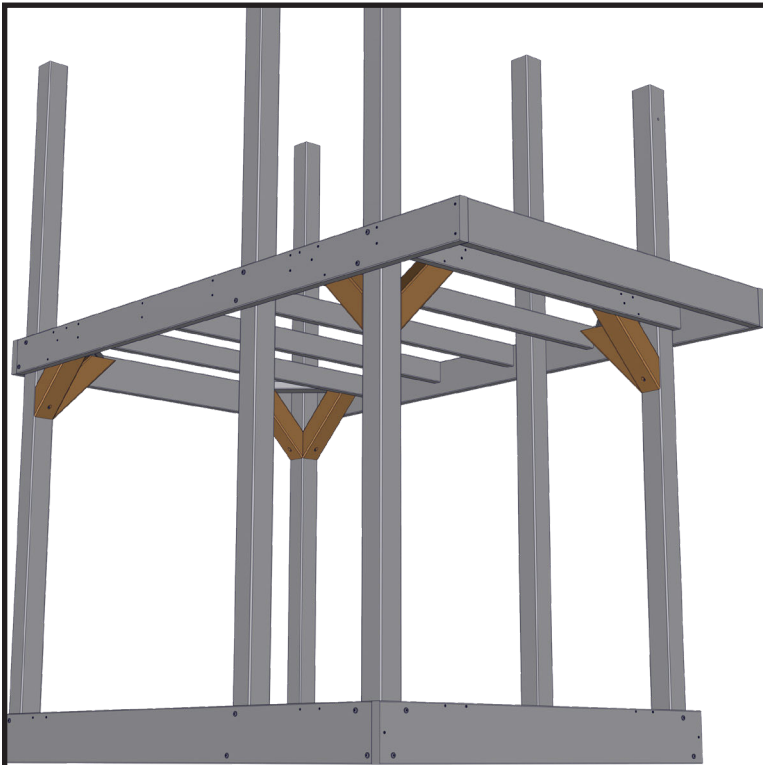
Place two 108" 4x4 posts inside the tower towards the front. The measurement between the back and center post should be 49 1/2". Fasten the posts with 3" star head lags.



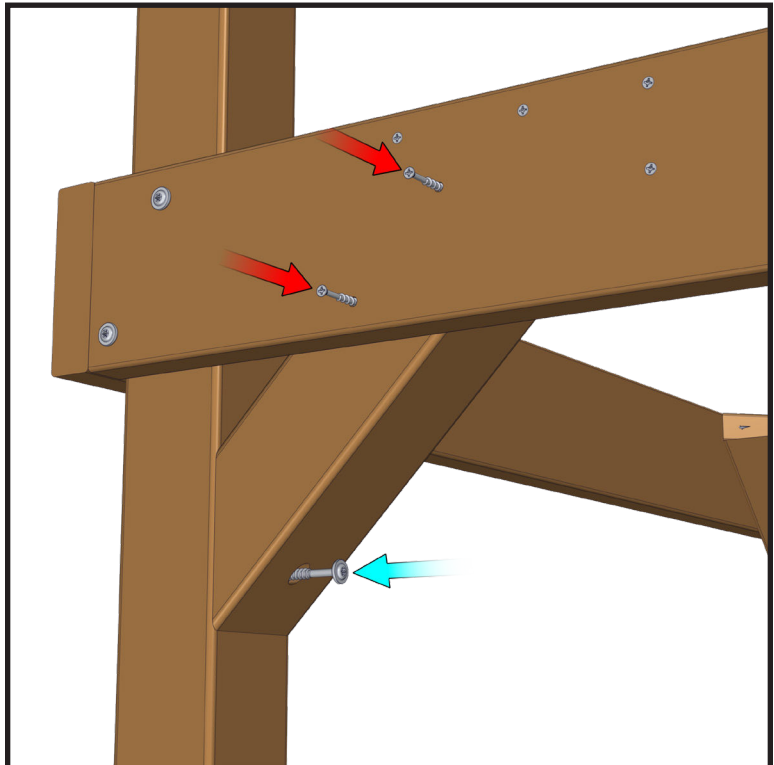
Step 9.
Install five 56 1/4" 2x4 floor joists and fasten them with 3" wood screws through the pre-drilled holes. One 2x4 will have holes pre-drilled, this one goes in the front against the 4x4 posts.



Step 10.
Place four 2x4 corner braces in position as shown above. Fasten these with 3" wood screws.

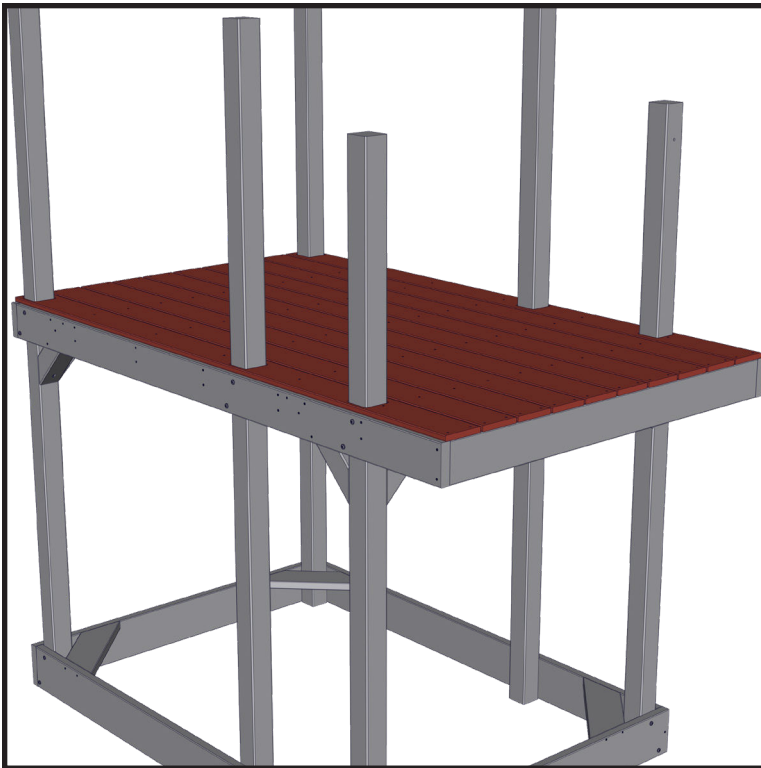


Step 11.
Place two 4x4 braces underneath each 2x4 corner brace.

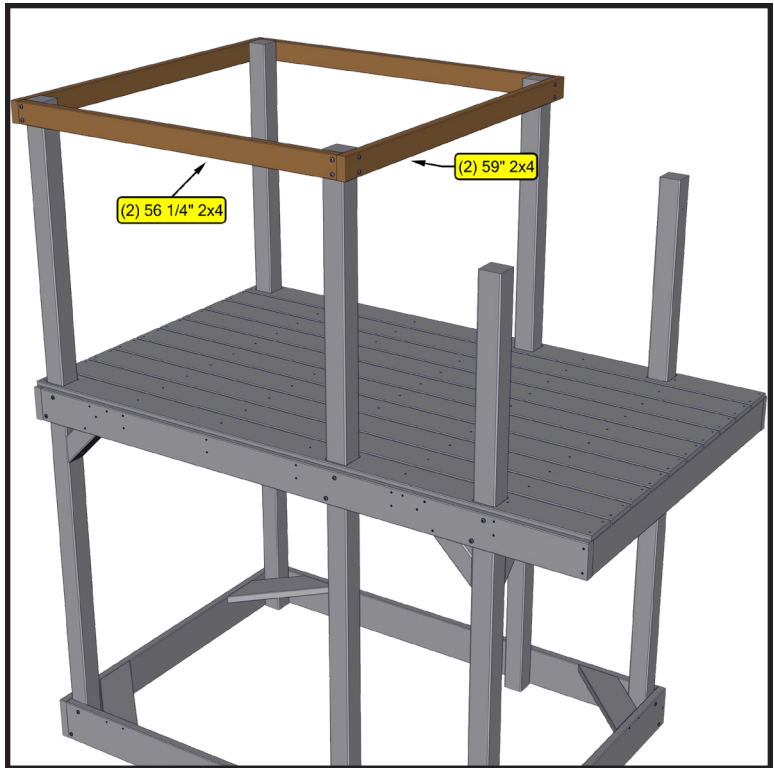


Step 12.
Fasten the 4x4 braces to the 2x6's using 3" wood screws.

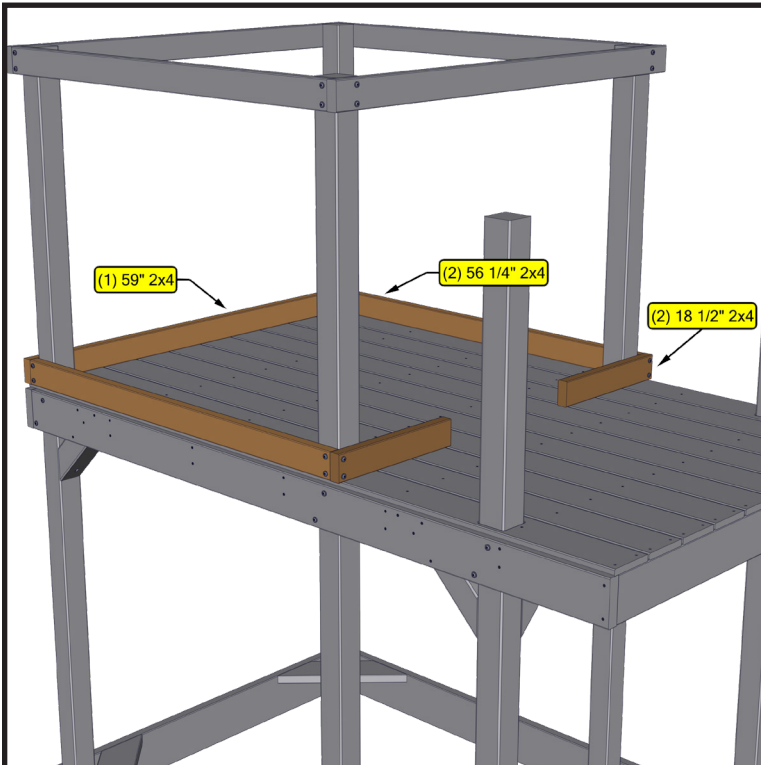
Fasten the 4x4 brace to 4x4 post using 3" star head lags through the bottom.



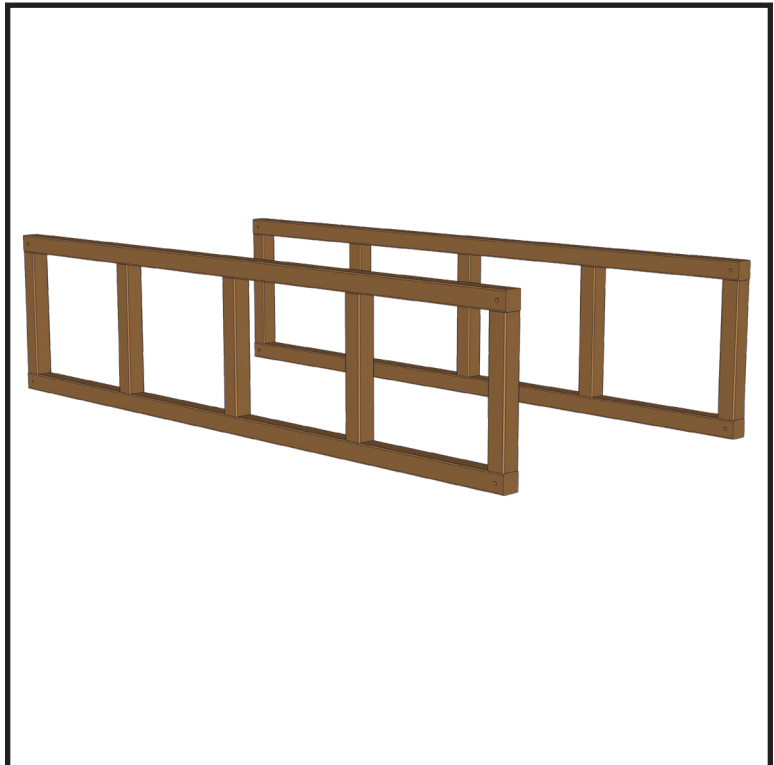
Step 13.
Place the floorboards on the 2x6's and space them out evenly.
Fasten them with 1 1/2" poly screws.



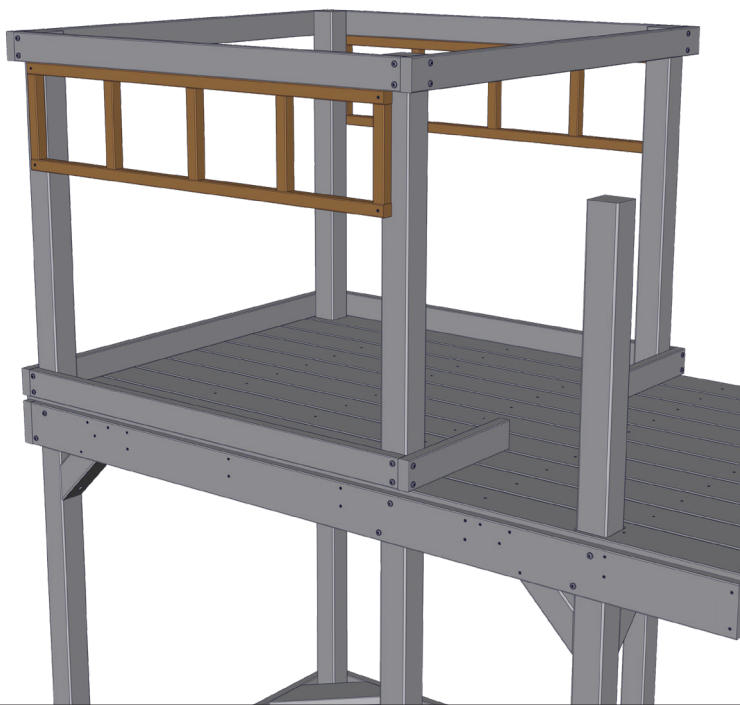
Step 14.
Locate two 56 1/4" 2x4's and two 59" 2x4's.
Place them around the top of the 108" 4x4 posts with the 56 1/4" 2x4's on the outside.
Make sure they are even with the top of the 4x4 posts then fasten them with 3" star head lags.



Step 15.
Locate a 59" 2x4, two 56 1/4" 2x4's and two 18 1/2" 2x4's.
The 59" 2x4 goes on the back of the tower, the two 56 1/4" 2x4's go on the sides of the tower and the two 18 1/2" 2x4's go on the front of the center posts.
Fasten these with 3" star head lags.

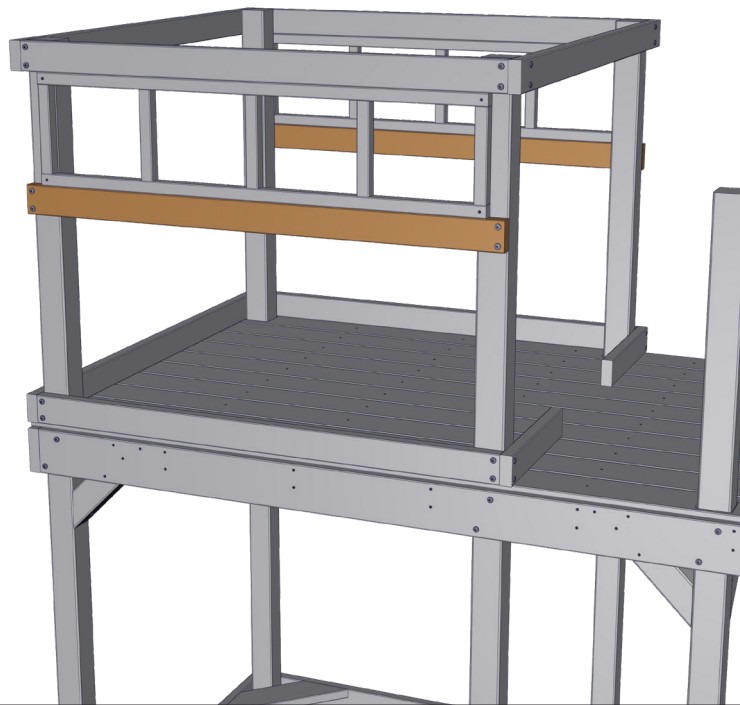


Step 16.
Locate the two window frames.



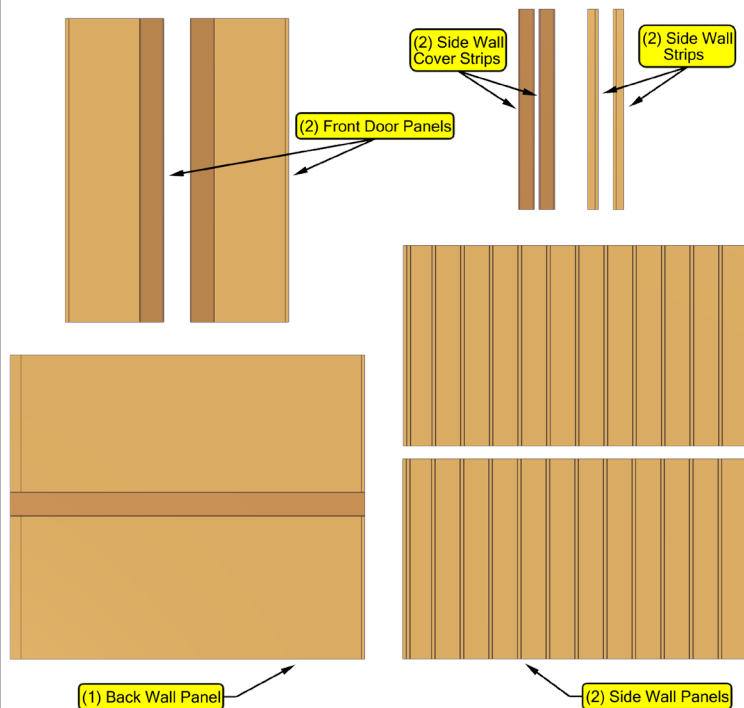
Step 17.

Place the window frames on either side of the tower and center them between the posts. Make sure they are up against the 2x4's then fasten them with 3" wood screws.



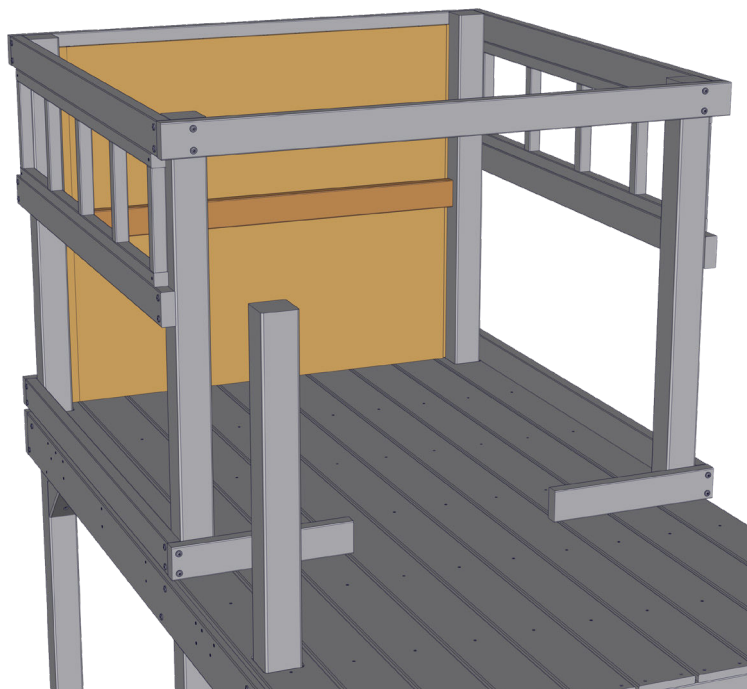
Step 18.

Locate two 56 1/4" 2x4's and place them underneath the window frames. Center them and make sure they are up against the window frames then fasten them with 3" star head lags.



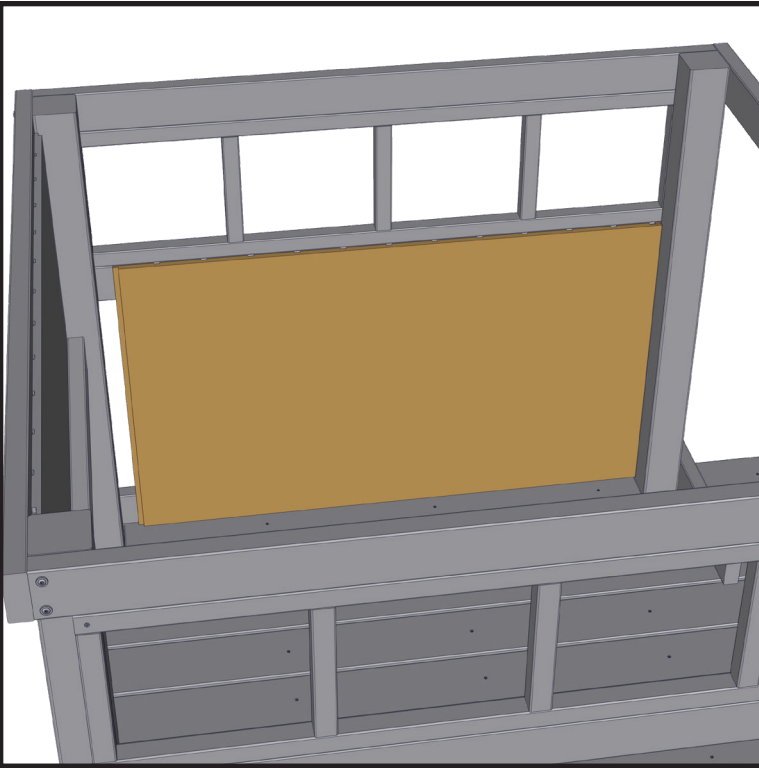
Step 19.

Locate the wall panels. There are two side wall panels, one back panel, two front door panels, two side wall strips and two side wall cover strips.



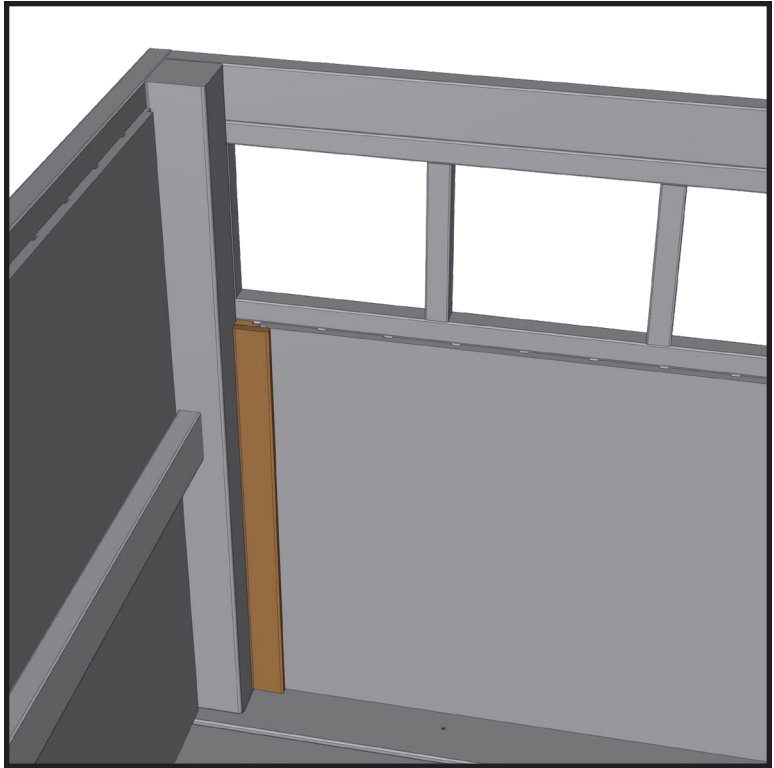
Step 20.

Place the back wall inside the tower against the back side. Fasten it using 1 1/2" wood screws through the top and bottom edge of the plywood. Fasten the center 2x4 by toe screwing 3" wood screws through the top and bottom of each end.



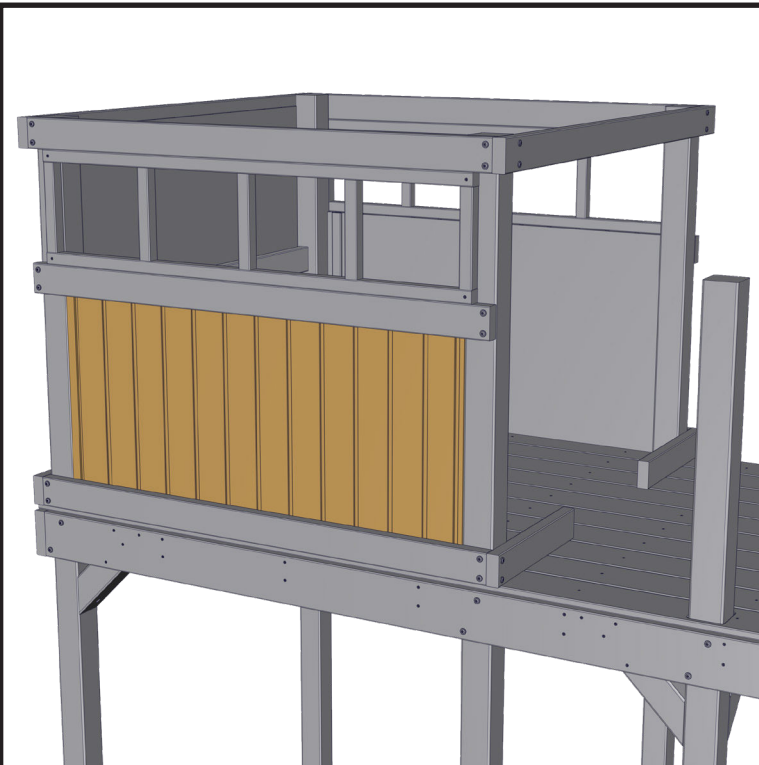
Step 21.

Place one of the side wall panels on the side of the tower and slide it up against the front 4x4 post. Fasten the top and bottom using 1 ½" wood screws.



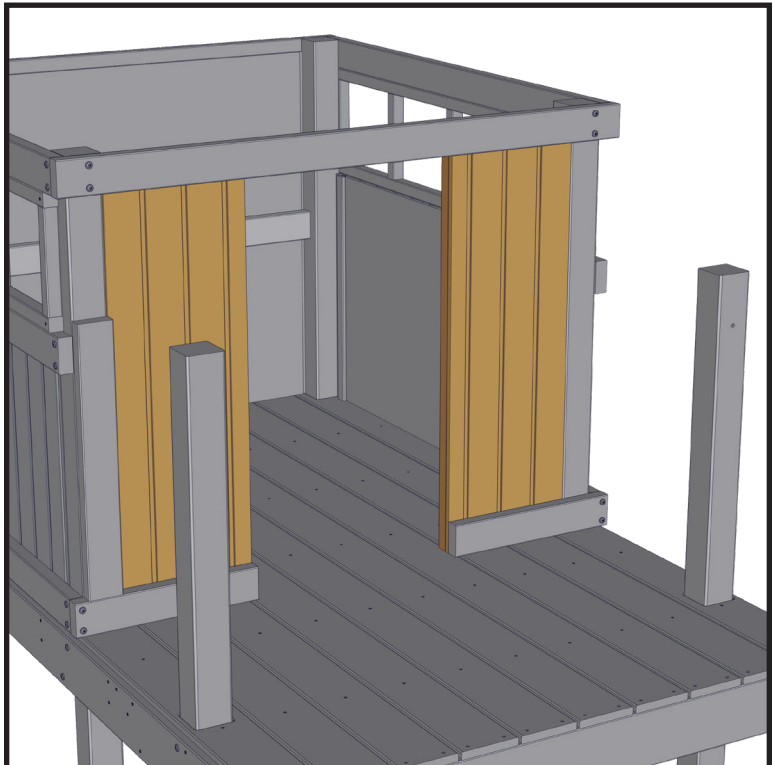
Step 22.

Place one of the side wall strips in the gap beside the side wall panel to fill it. Place one of the side wall cover strips overlapping the two pieces and fasten it with 1 ½" wood screws.



Step 23.

Repeat the last two steps to install the other side panel.



Step 24.

Place the two front door panels in position on the front of the tower and fasten them with 1 ½" wood screws on the top and bottom edges.



Step 25.

Locate the two roof panels and place them together as shown in the illustration.
Fasten them together with a 3" wood screw through each rafter.



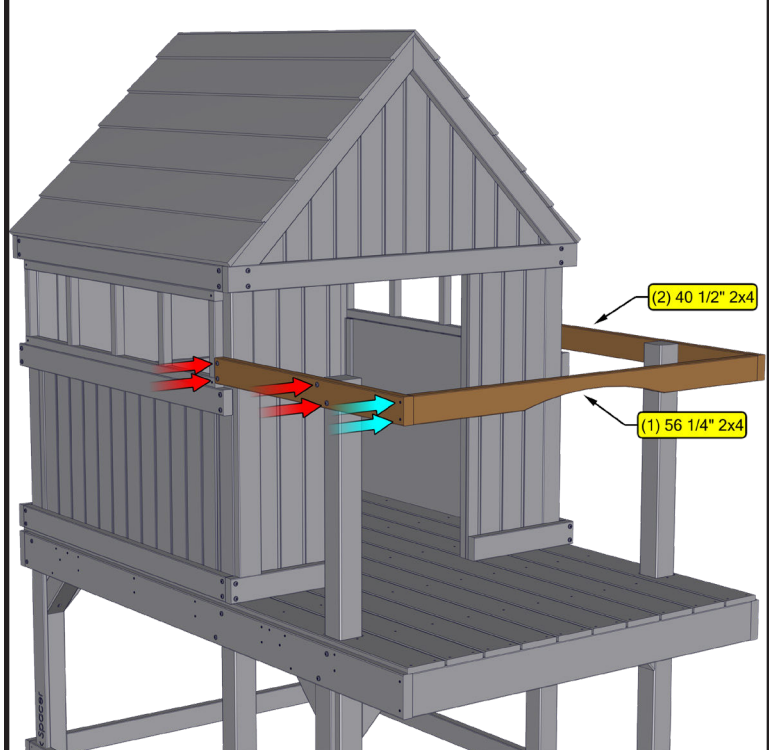
Step 26.

Place the roof on the tower and center it both ways.



Step 27.

Place the plywood end pieces inside the roof at both ends then fasten them with 1 1/2" wood screws around the edges.



Step 28.

Locate the railing 2x4's, there are two 40 1/2" side pieces and one 56 1/4" front piece with an arch in the center.
Place the side pieces on either side of the tower making sure they are flush with the top of the 96" 4x4 posts then fasten them with **3" star head lags**. Place the 56 1/4" 2x4 between the side 2x4's then fasten it with **3" wood screws**.



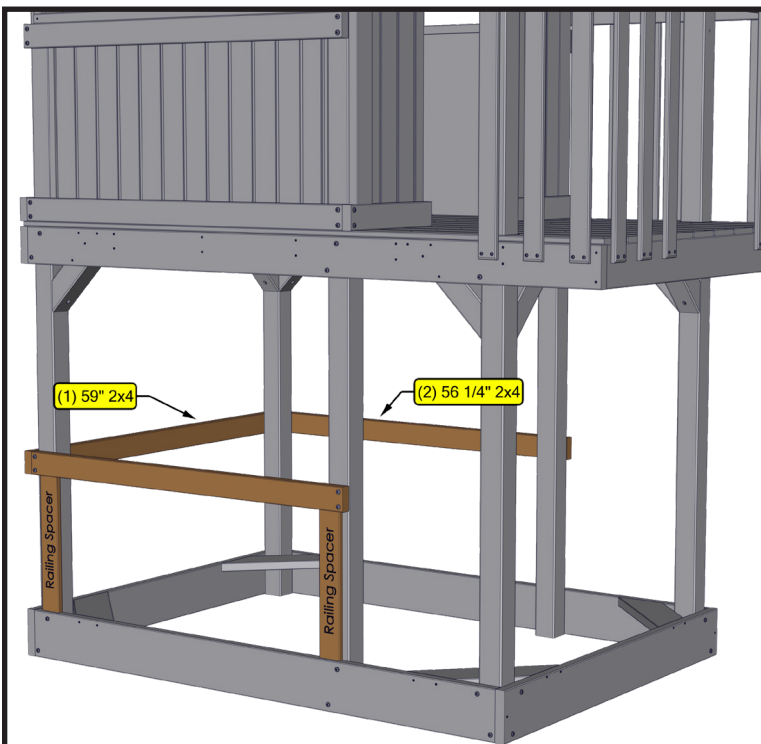
Step 29.

Place six wood slats on the front of the tower using the slat spacer to space them properly. Fasten them with 1 ½" wood screws.



Step 30.

Fill in both sides of the tower with slats using the same spacer. Leave an open spot on one side of the tower for the ladder.



Step 31.

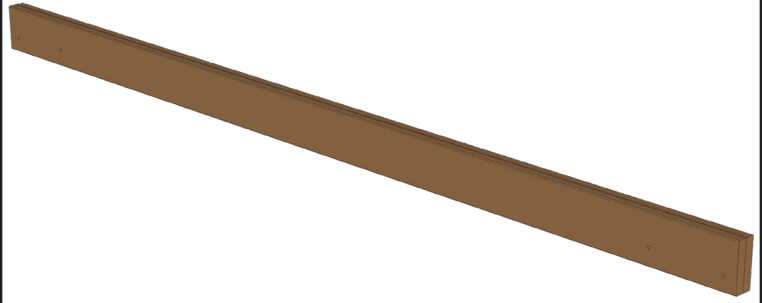
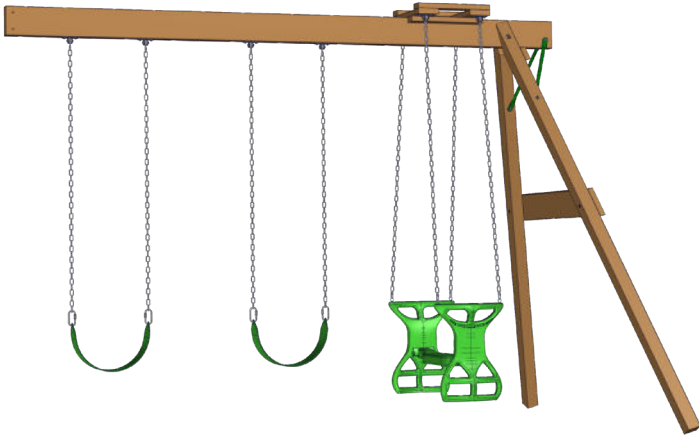
Place the three 2x4 railing pieces around the bottom of the tower as shown. Use the railing spacers to position them and fasten them with 3" star head lags. This railing uses shorter slats than the railing above it so be sure to use the correct spacers.



Step 32.

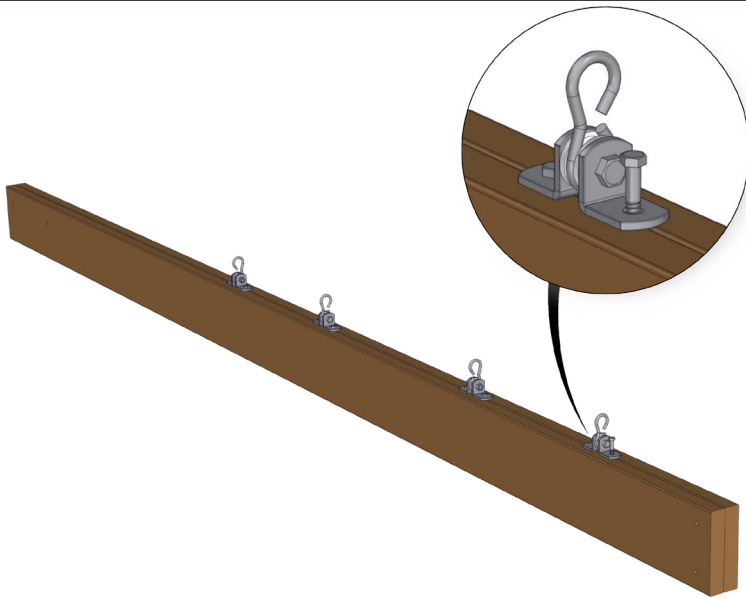
Install the rest of the short slats around the bottom 2x4 railing using the slat spacer. Fasten them with 1 ½" wood screws.

Swing Frame



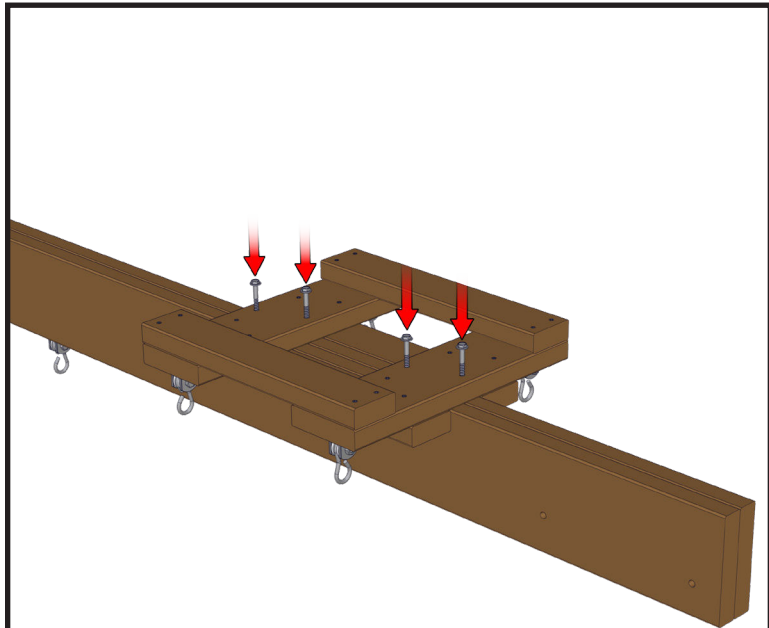
Step 1.

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



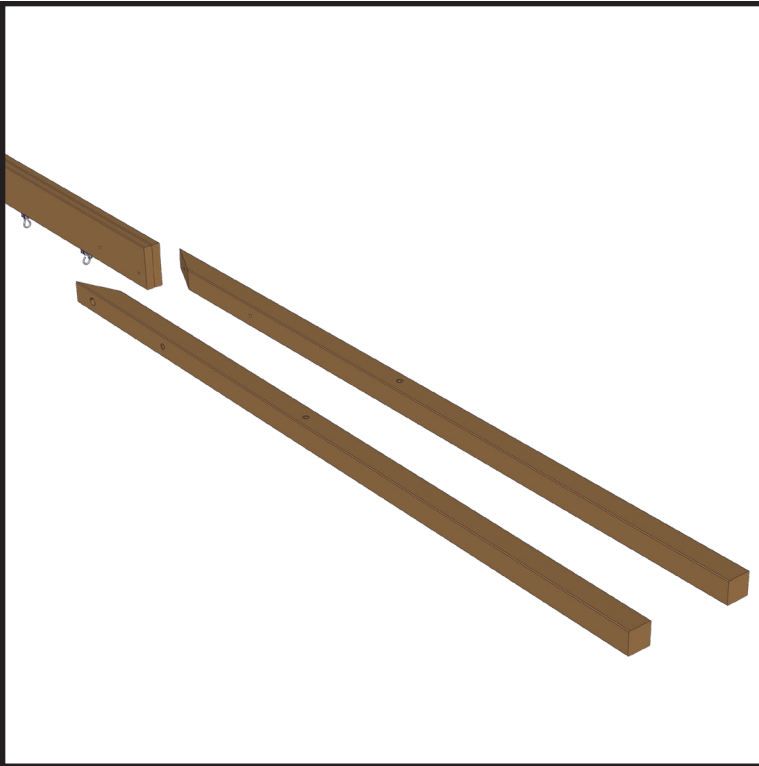
Step 2.

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

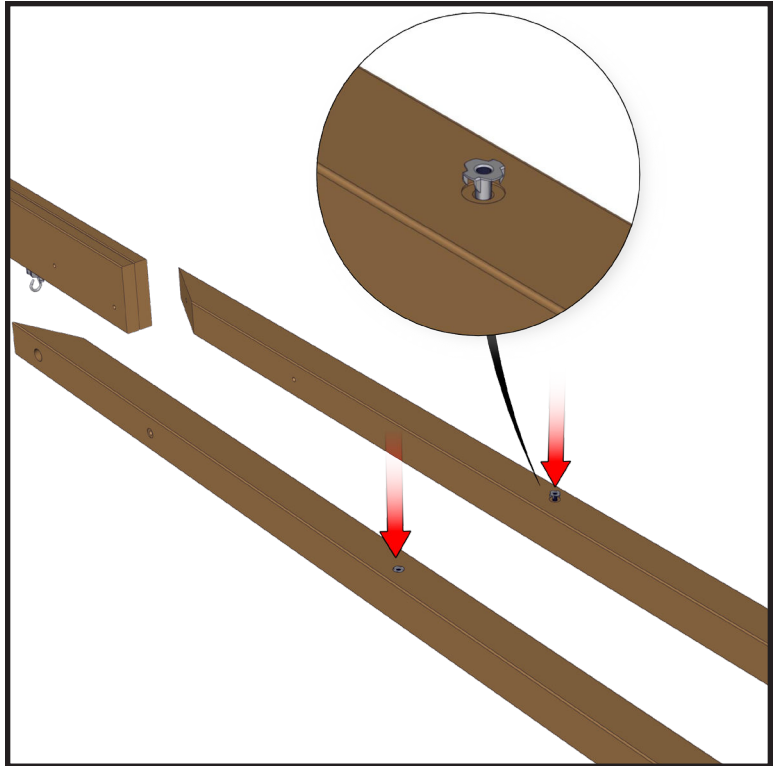


Step 3.

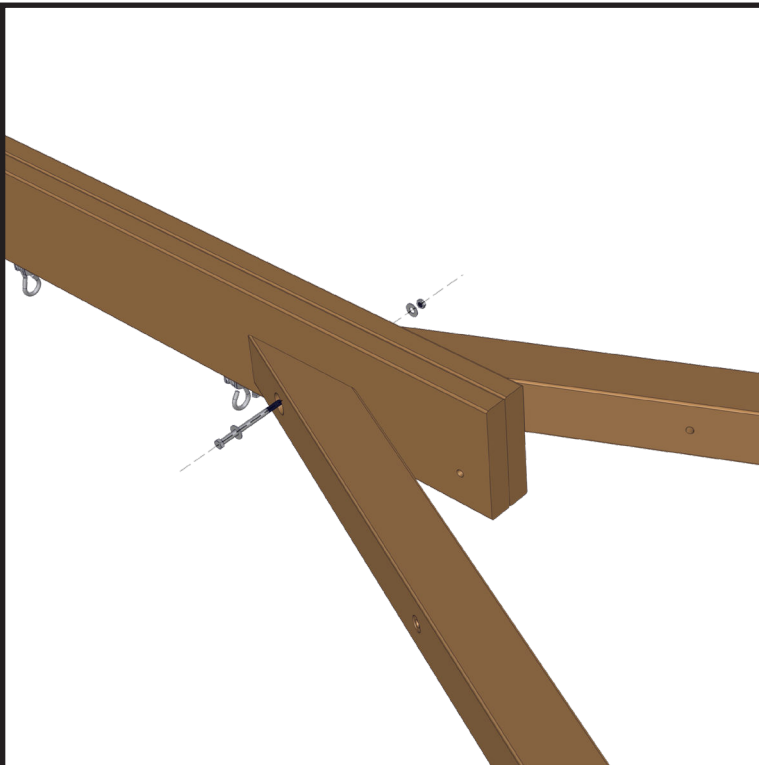
If your playset has a glider, place the glider bracket on the swing beam and fasten it with four washer head lags.



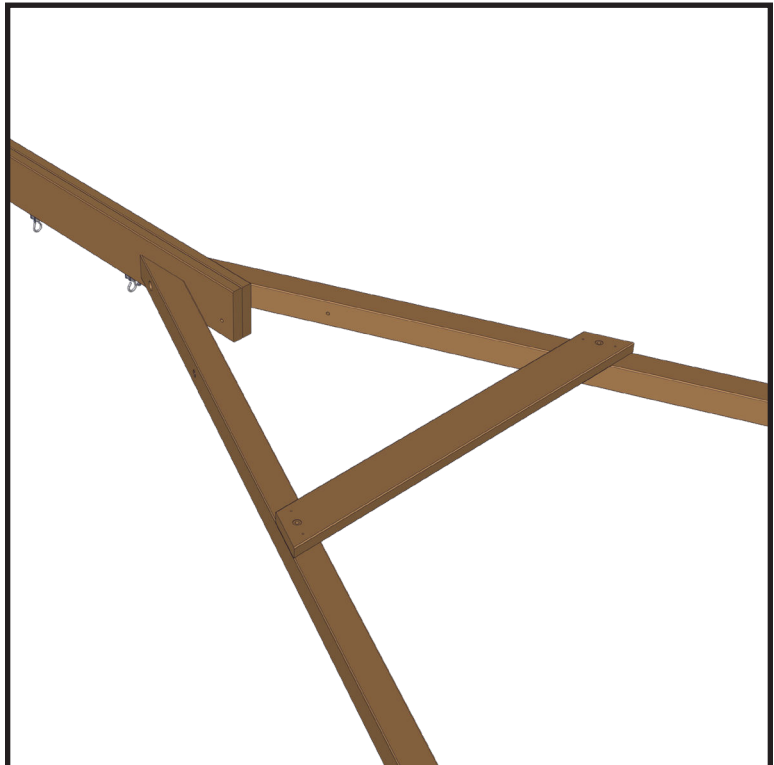
Step 4.
Place two 4x4 posts at the end of the swing beam.



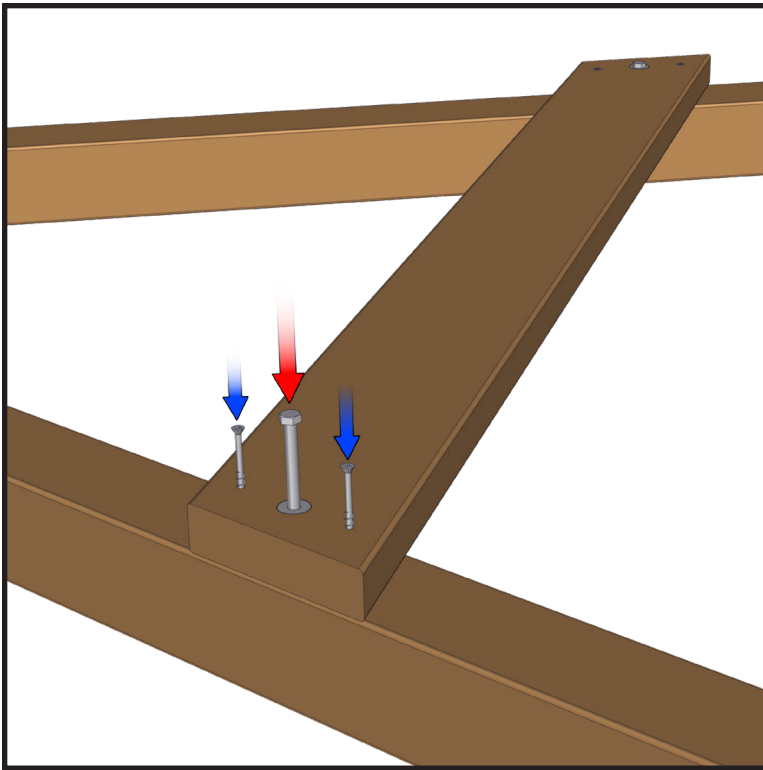
Step 5.
Place a T-Nut in each pre-drilled hole on the 4x4 posts.
Use a hammer to set them in the wood.



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.

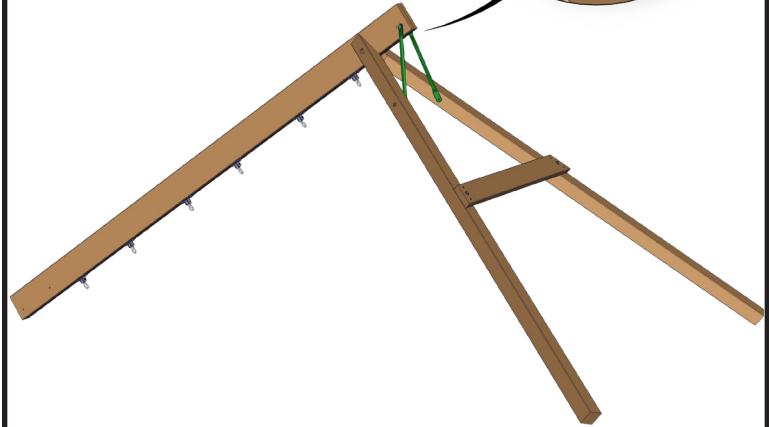
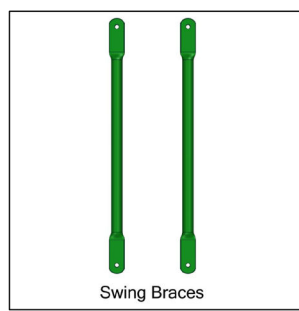


Step 7.
Place the 2x6 end piece on the posts.
Position the 2x6 so the pre-drilled holes on the posts and the 2x6 line up.



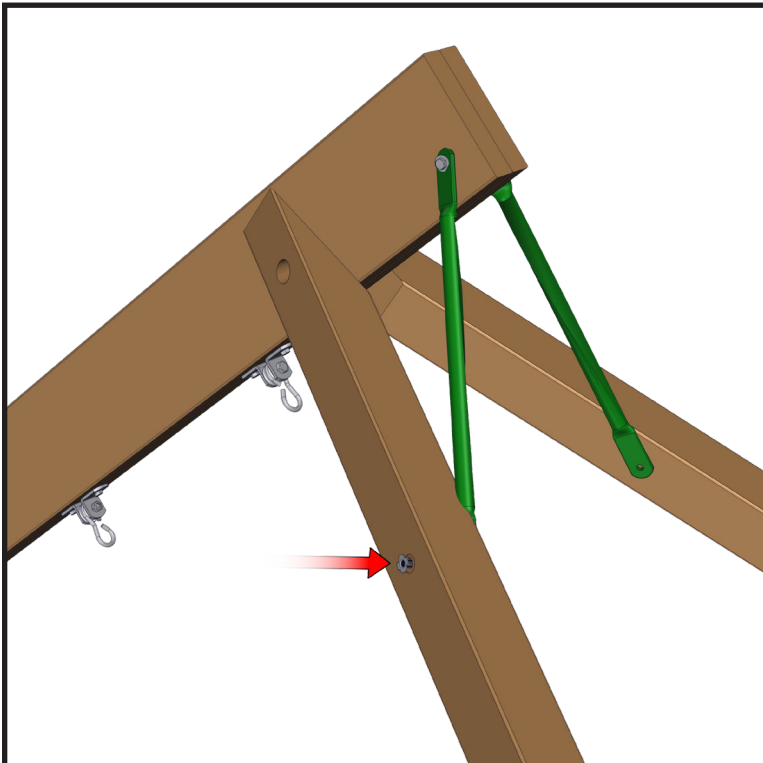
Step 8.

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.



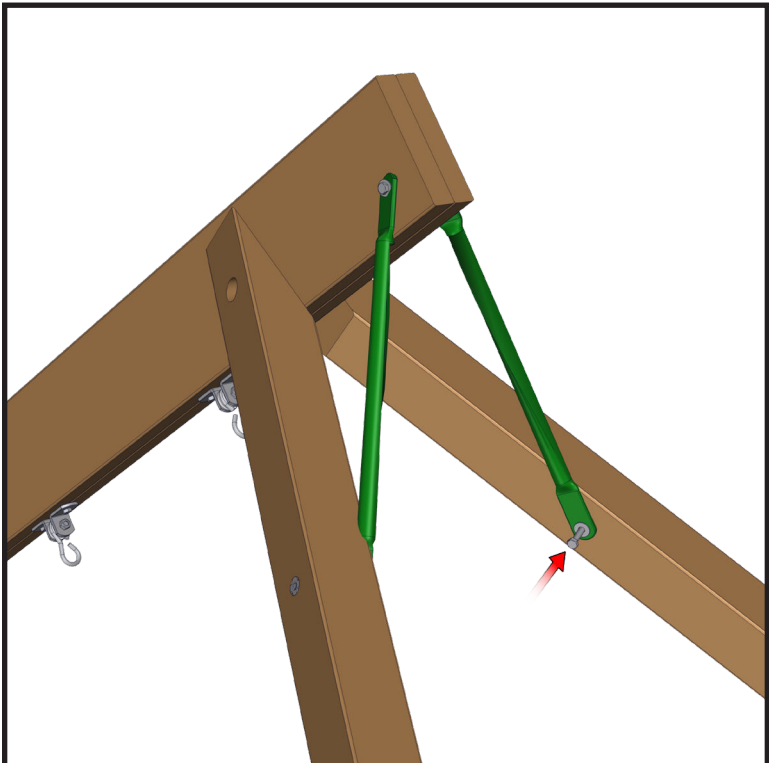
Step 9.

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.

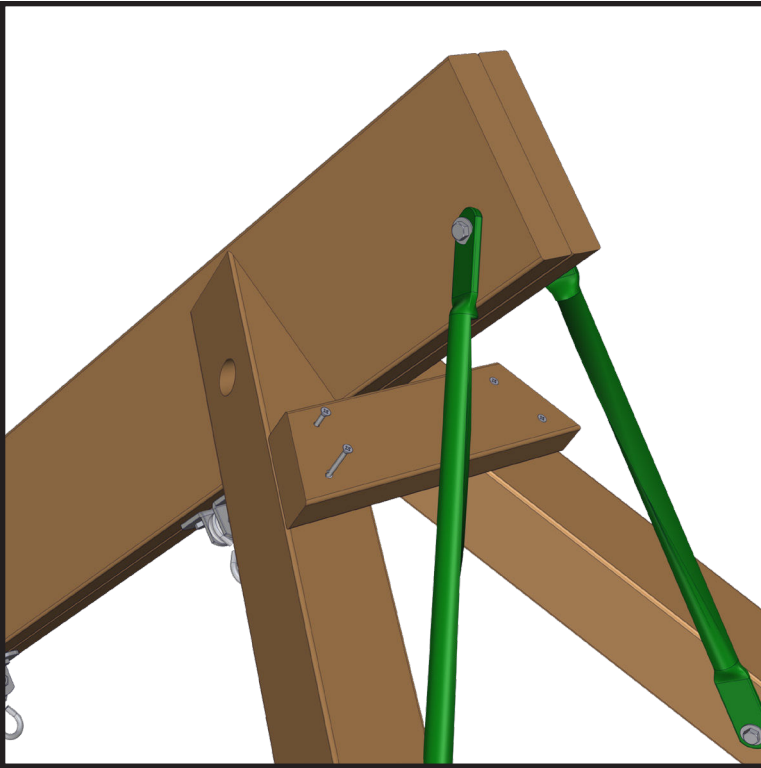
Place a T-Nut in the pre-drilled hole on the outside of each 4x4 post then use a hammer to set them into the wood.



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.

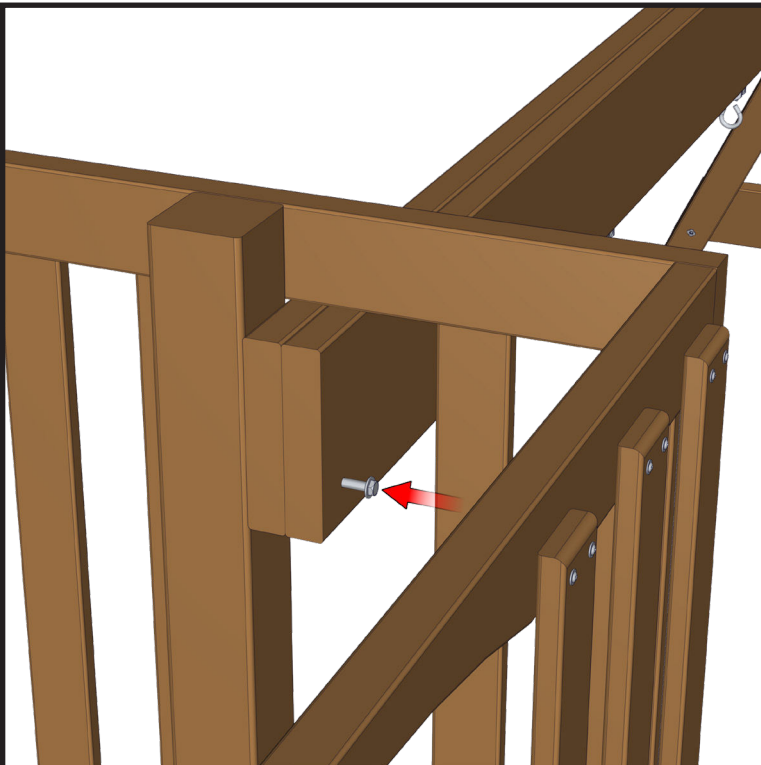
After this step tighten all the bolts on the swing frame.



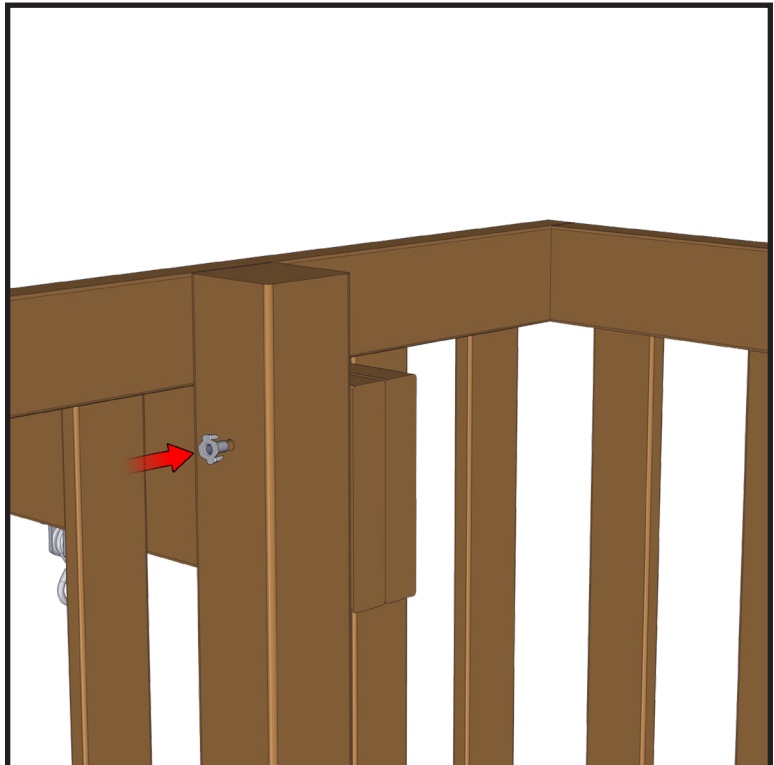
Step 12.
Place the 2x4 end piece on the 4x4 posts and line it up with the posts.
Fasten it with 3" wood screws.



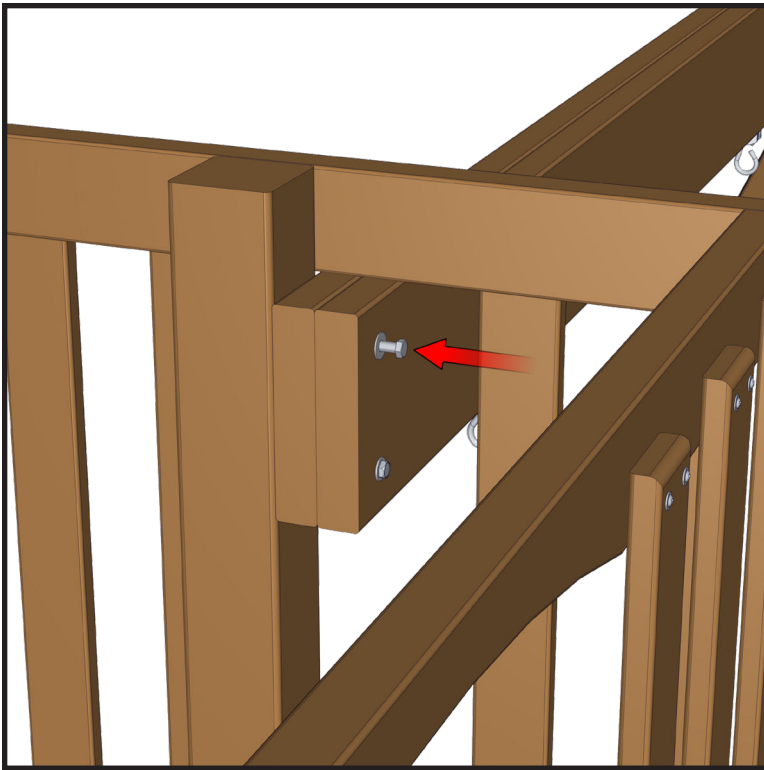
Step 13.
Lift the swing frame up and place it on the tower next to one of the 4x4 posts.



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.

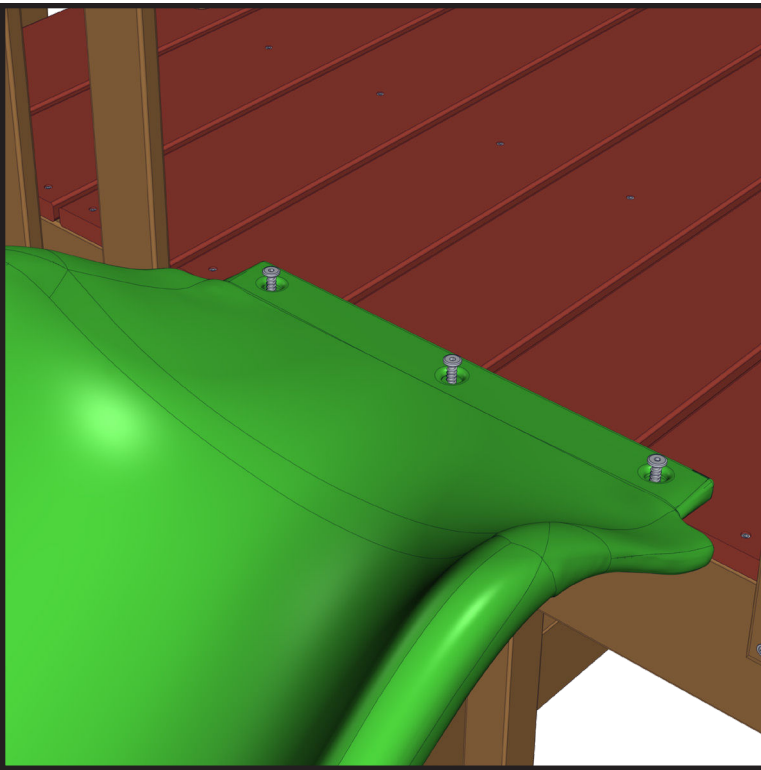


Step 17.
Attach the rest of the swings to the swing bearings to finish the swing frame.

Accessories

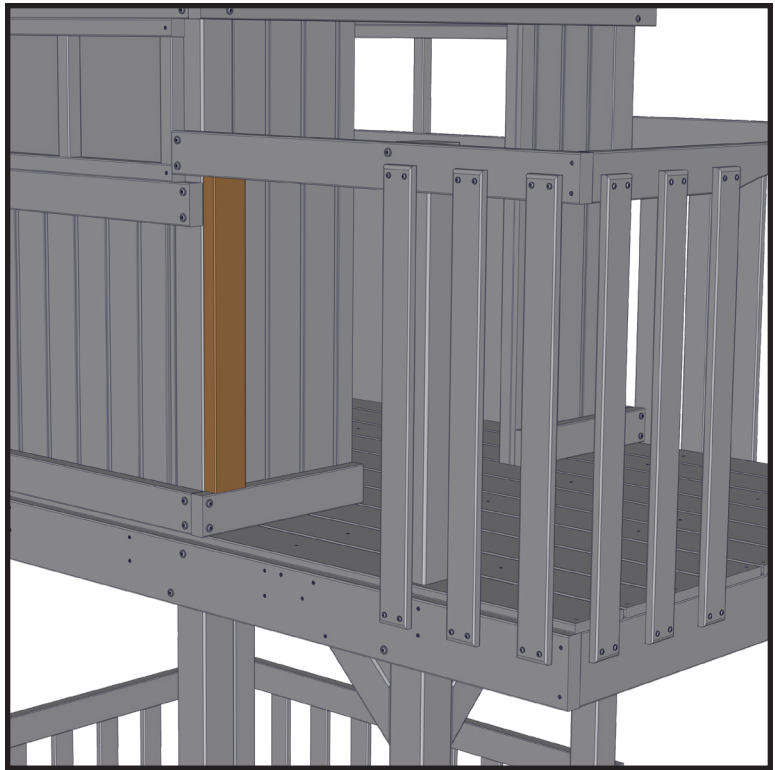


Wave Slide
Place the wave slide in the opening on the front of the tower.



Wave Slide

Fasten the wave slide to the floor of the tower using three 1 ½" wafer head lags.



Wood Ladder

Install a 26" 2x4 against the front wall to support the wood ladder.

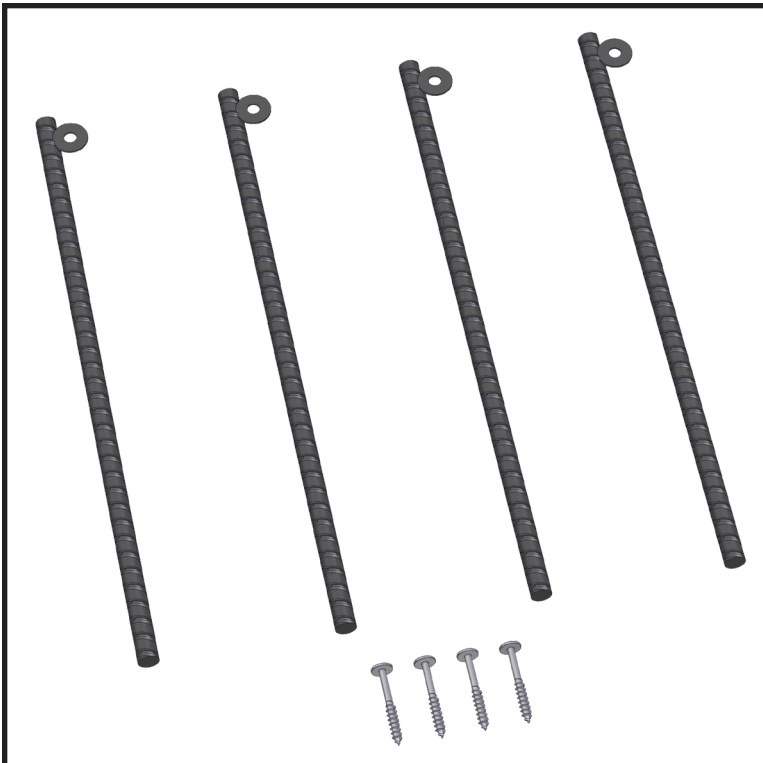


Wood Ladder

Place the wood ladder in the opening on the tower and fasten it with two 3" wood screws.



Wood Ladder



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.

