

Castle 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
128" 4x4 Post	4
108" 4x4 Post	2
94" 2x6	2
59" 2x6	3
56 1/4" 2x6	2
52 1/4" 2x6	2
45 3/16" 2x6	4
59" 2x4	3
48" 2x4	2
56 1/4" 2x4 Floor Joist	7
53 1/2" 2x4	2
52 1/4" 2x4	4
48" 2x4	2
2x4 Braces	8
2x6 Sandbox Seats	4
4x4 Braces	12
Floorboards	31

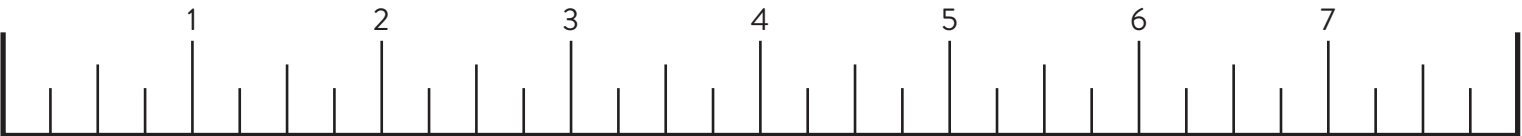
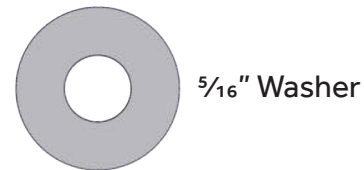
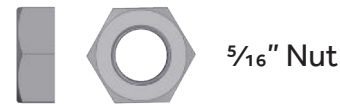
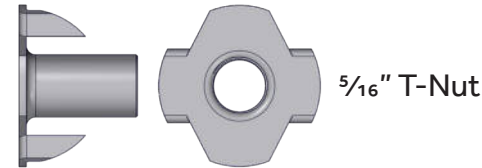
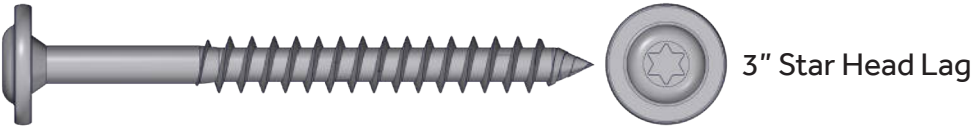
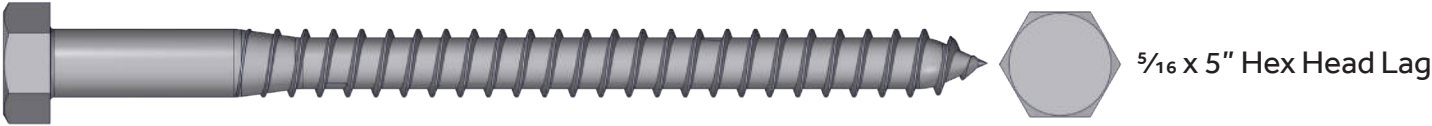
Swing Frame	
2x6 Swing Beam	1
4x4 Legs	2
2x6 Brace	1
2x4 Brace	1
Support Brackets	2

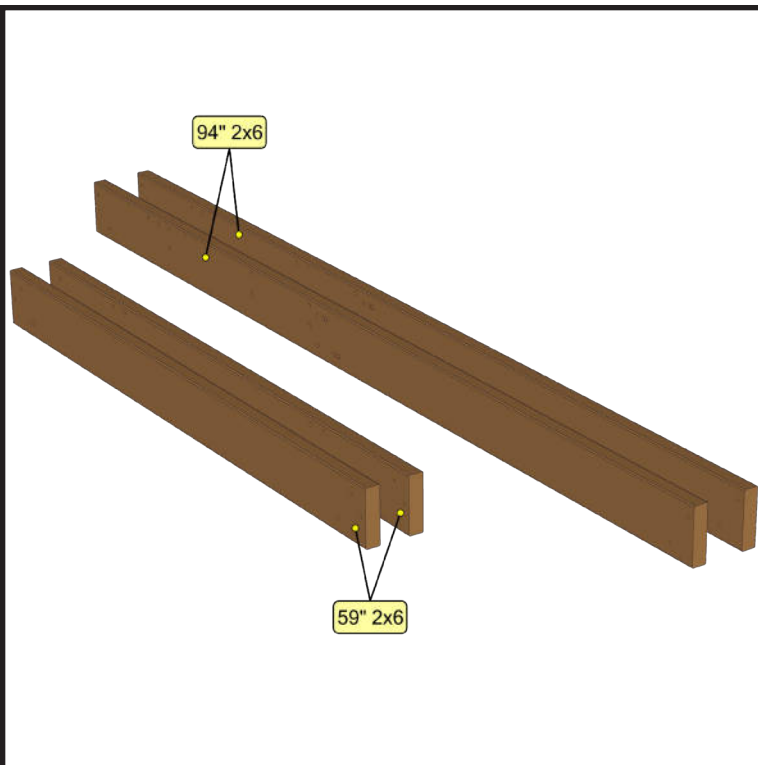
Tarp Roof	
43" 2x4	2
45 1/4" 2x4	1
48" 2x4	1
50 1/4" 2x4	1
Half Moon Pieces	3
Tarp Roof	2

Climbing Set	
Top Ladder	1
Bottom Ladder	1
2x4 Braces	2
Ground 2x4	1
Triangle Brackets	2

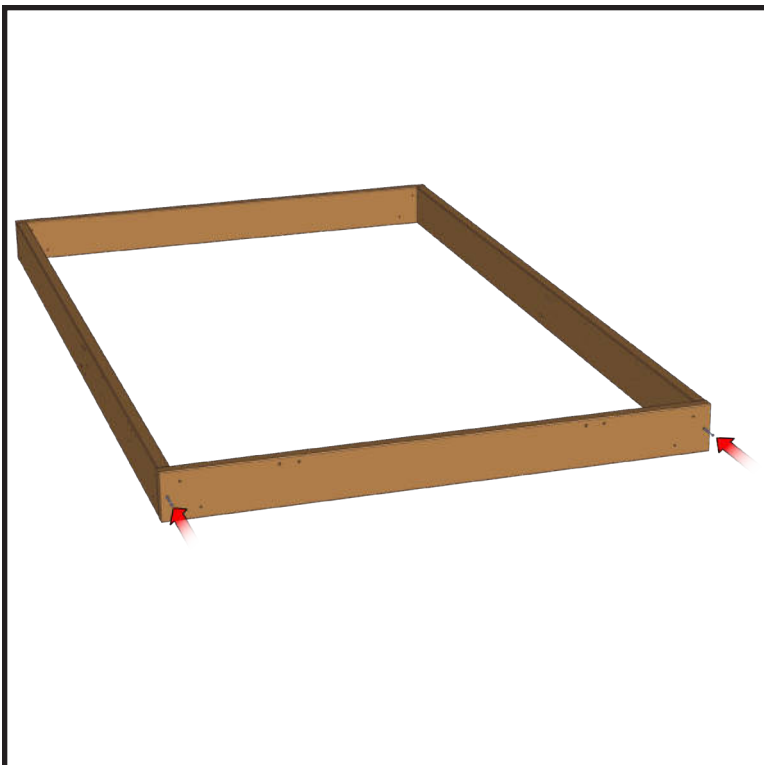
Wood Roof	
Roof Side Panels	4
Sunburst Piece	4

Hardware

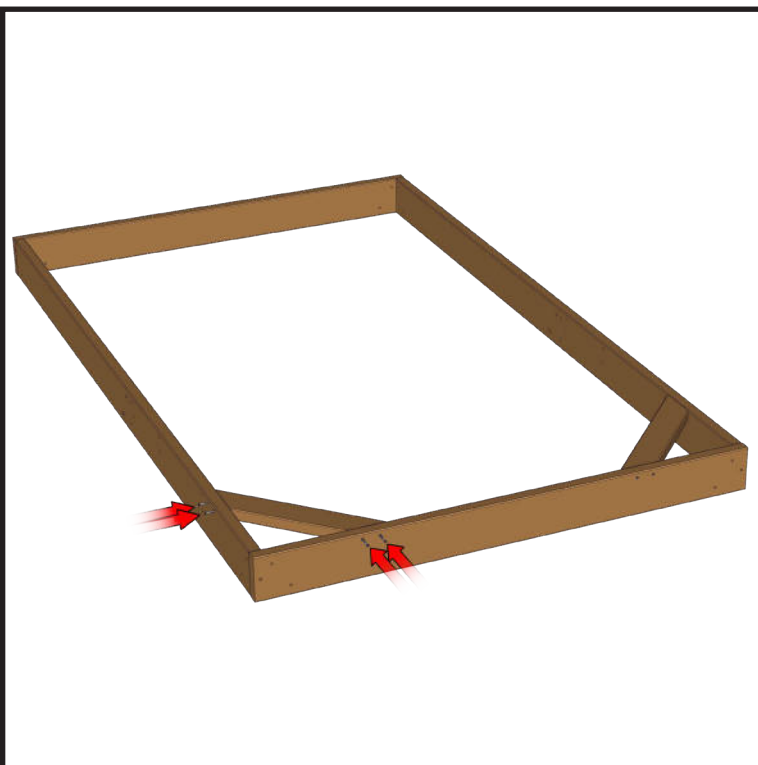




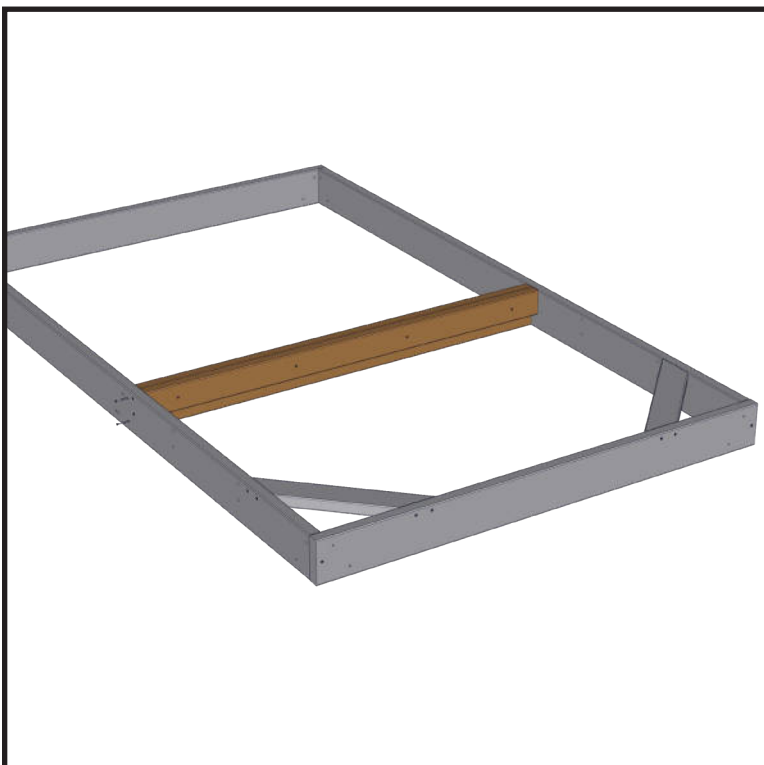
Step 1.
Begin the assembly by locating two 94" 2x6's and two 59" 2x6's. These will be pre-drilled for the bottom of the tower.



Step 2.
Place the 2x6's as shown with the 59" 2x6's on the outside. Fasten the 2x6's together using four 3" wood screws through the 59" 2x6's.



Step 3.
Locate two 2x4 braces and place them on one end of the 2x6's. Align the braces with the pre-drilled holes in the 2x6's then fasten them with four 2 1/2" wood screws per brace.



Step 4.
Locate a 56 1/4" 2x6 with a 2x4 attached. Place it as shown above then fasten it with 3" wood screws.



Step 5.

Place two 56 1/4" 2x4 floor joists in position and align them with the pre-drilled holes.
Fasten these with 3" wood screws.



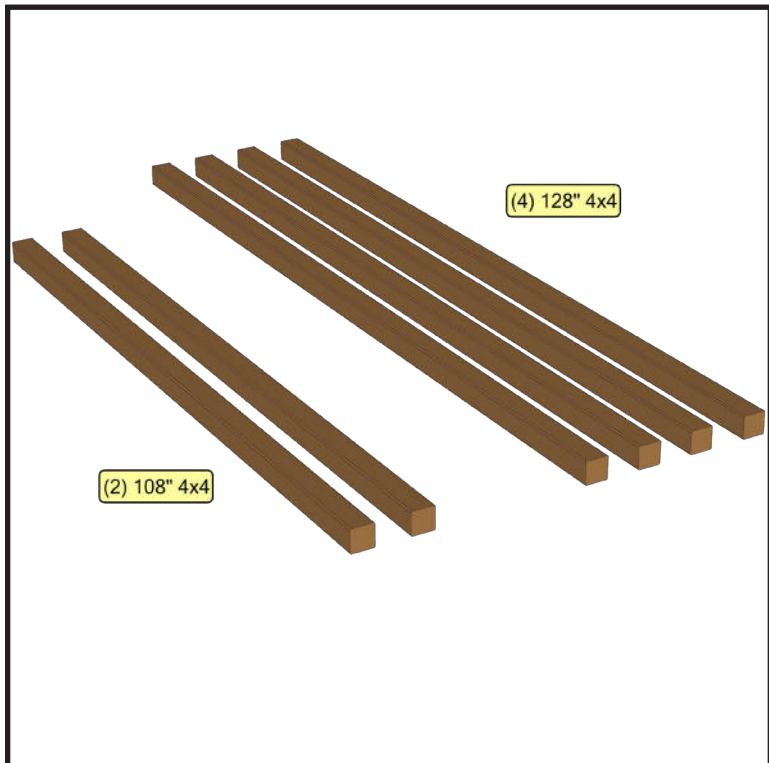
Step 6.

Locate the 41" floorboards.
Place the narrow floorboard in the center keeping the end flush with the outside 2x6.
Fasten it with 1 1/2" poly screws through the pre-drilled holes.



Step 7.

Place the rest of the 41" floorboards in place and fasten them with the same screws.
Notice the two outside boards have a cutout for the 4x4 posts.



Step 8.

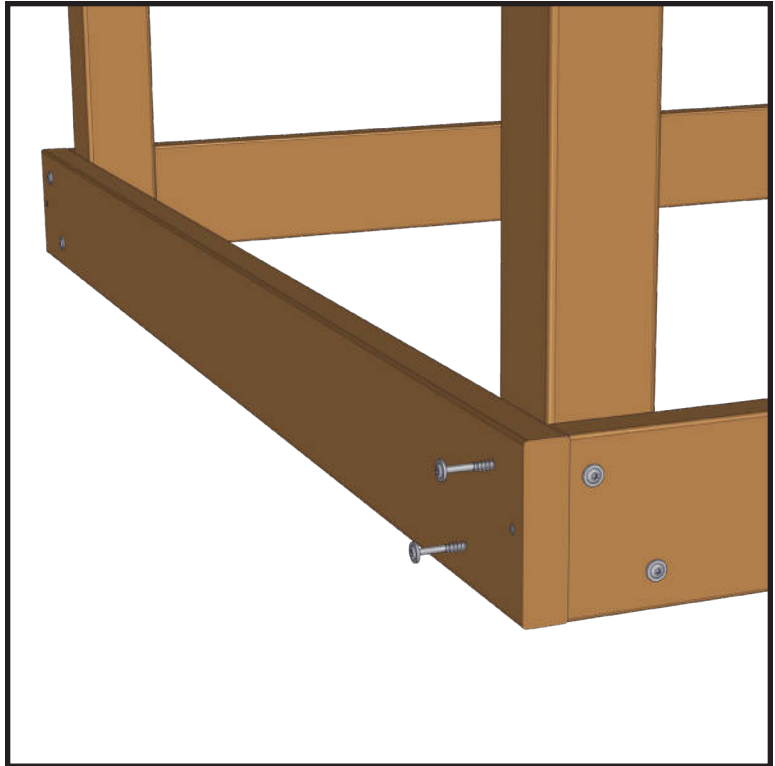
Locate four 128" 4x4 posts and two 108" 4x4 posts.



Step 9.

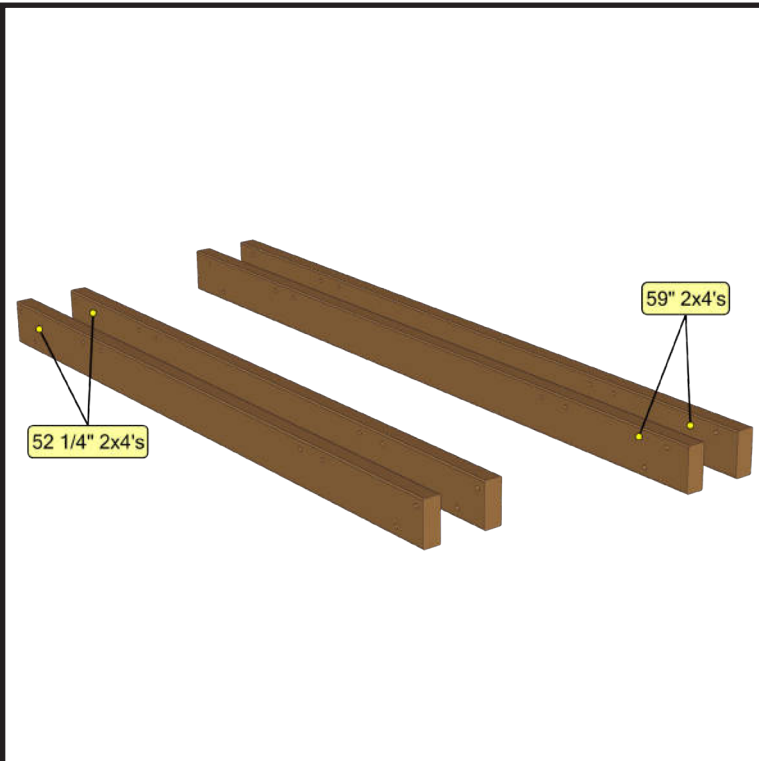
Place the 4x4 posts in position.

The four 128" posts go on the end with the floorboards and the two 108" posts go on the opposite end.



Step 10.

Fasten the 4x4 posts with 3" star head lags.



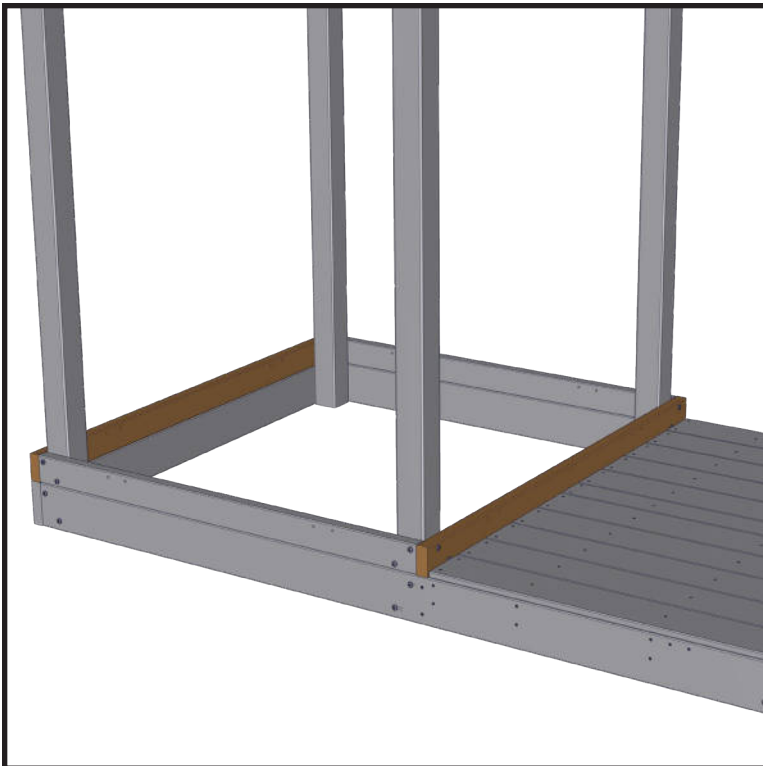
Step 11.

Locate these four 2x4's.

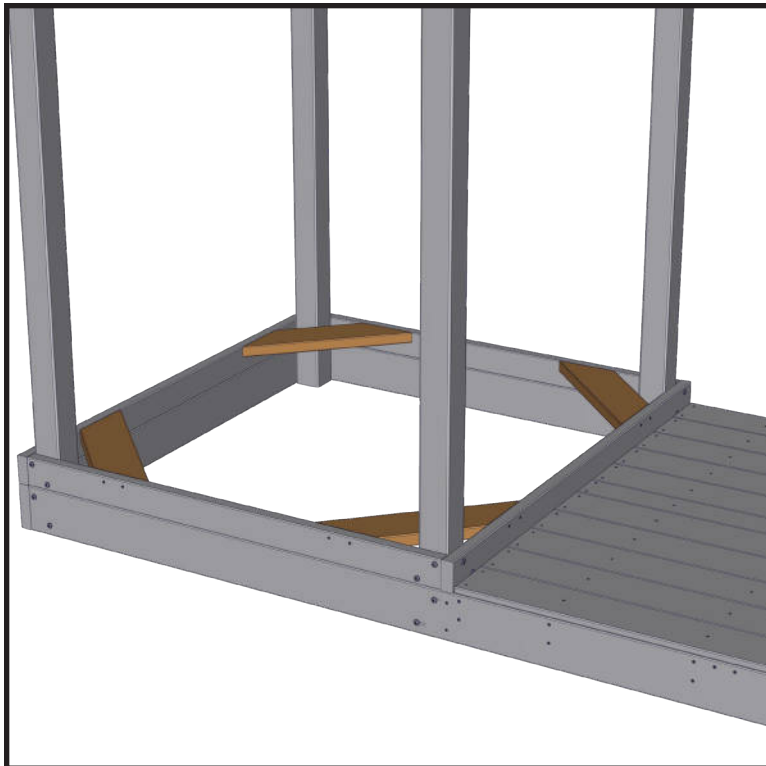


Step 12.

Place the two 52 1/4" 2x4's on the outside of the posts then fasten them with 3" star head lags.



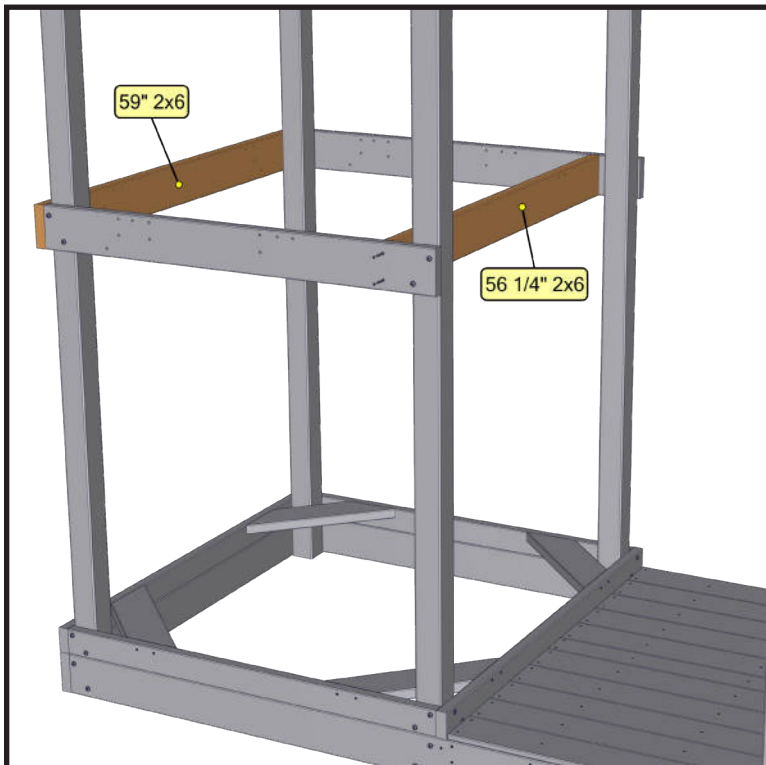
Step 13.
Fasten the two 59" 2x4's on either end using the same lags.



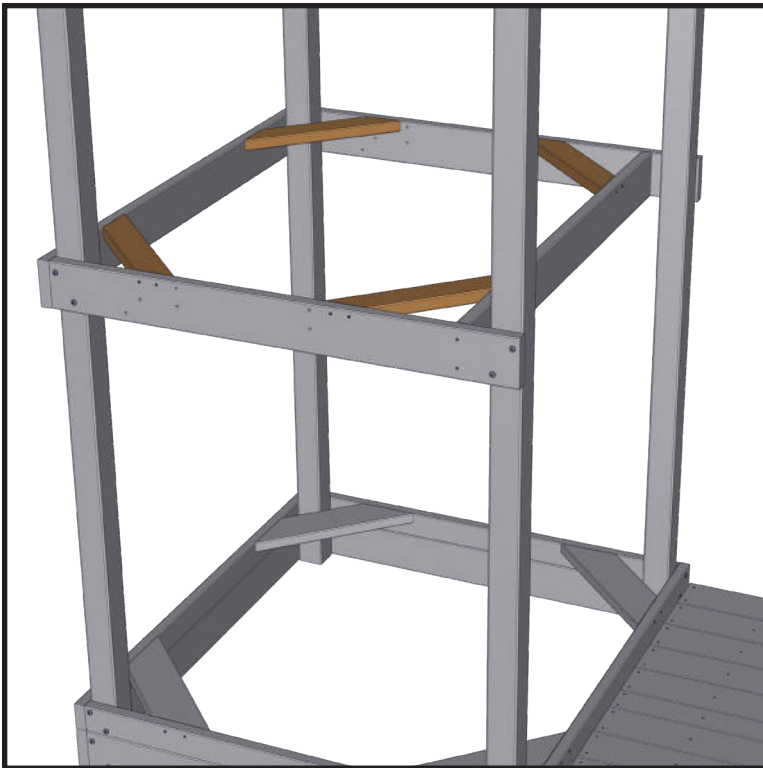
Step 14.
Place four 2x6 braces in position and fasten them with 3" wood screws.



Step 15.
Place two 52 1/4" 2x6's on the outside of the posts then place the lower deck spacers underneath them to position them properly. Fasten these with 3" star head lags.



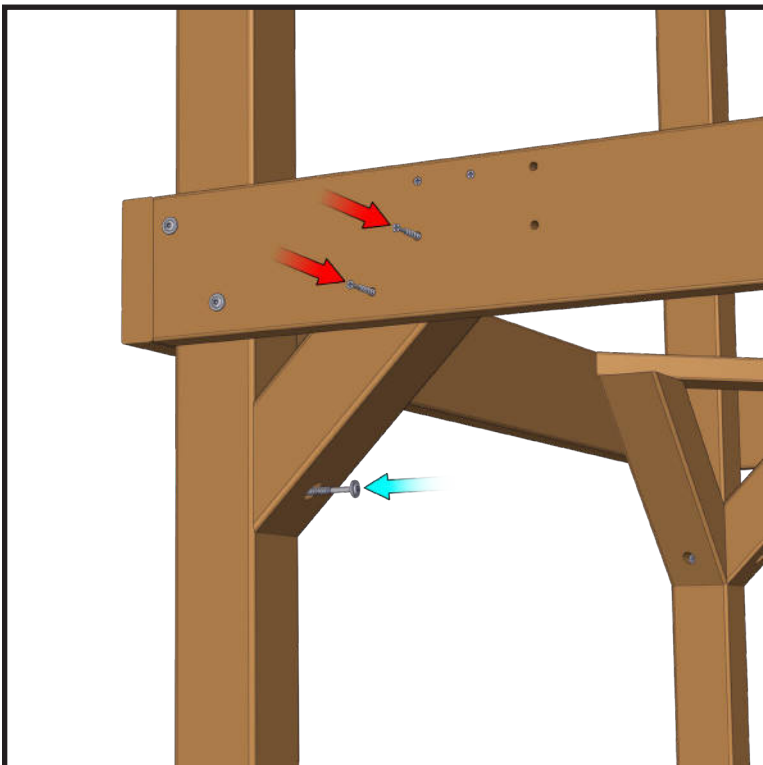
Step 16.
Fasten a 59" 2x6 on the outside of the 4x4 posts using 3" star head lags.
Then place a 56 1/4" 2x6 on the inside as shown above and fasten it with 3" wood screws.



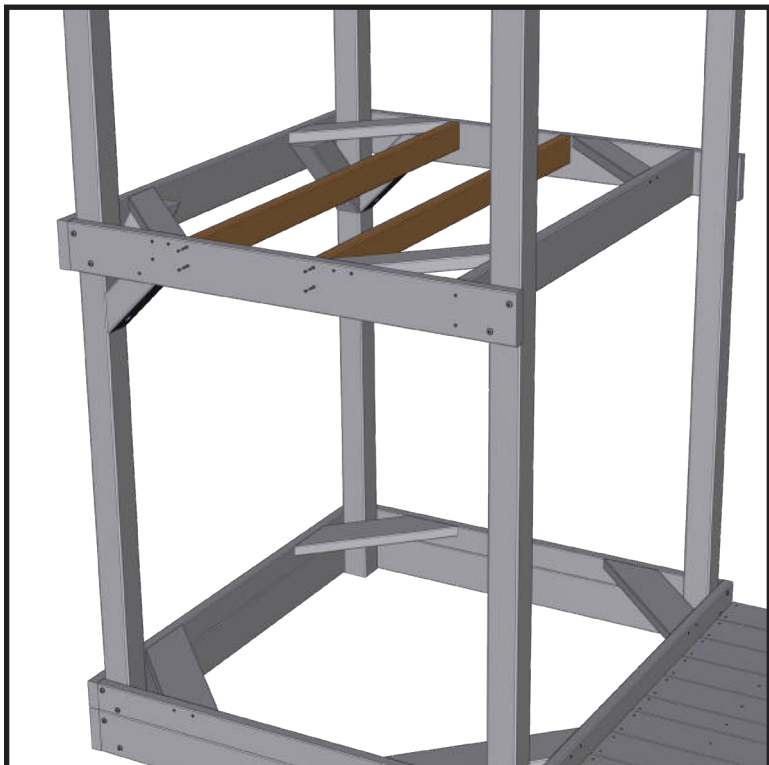
Step 17.
Place four 2x4 braces in the lower deck and fasten them with 3" wood screws.



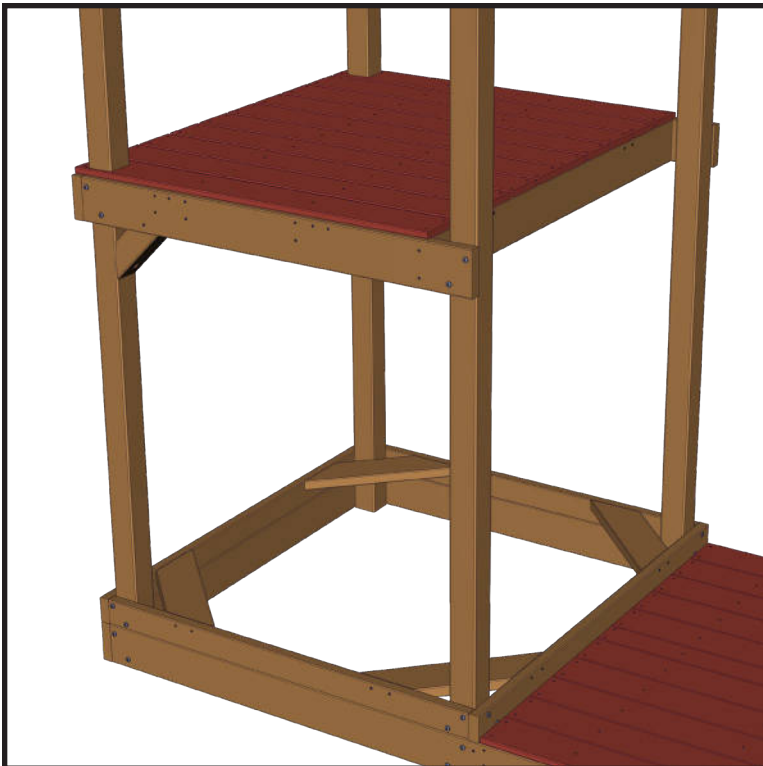
Step 18.
Locate four 4x4 braces and place them on the two outside 4x4 posts.
Make sure the pre-drilled holes are facing down.



Step 19.
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 20.
Fasten two 56 1/4" 2x4 floor joists in place with 3" wood screws.



Step 21.
Place the 47 $\frac{7}{8}$ " floorboards on the lower deck and fasten them with 1 $\frac{1}{2}$ " poly screws.



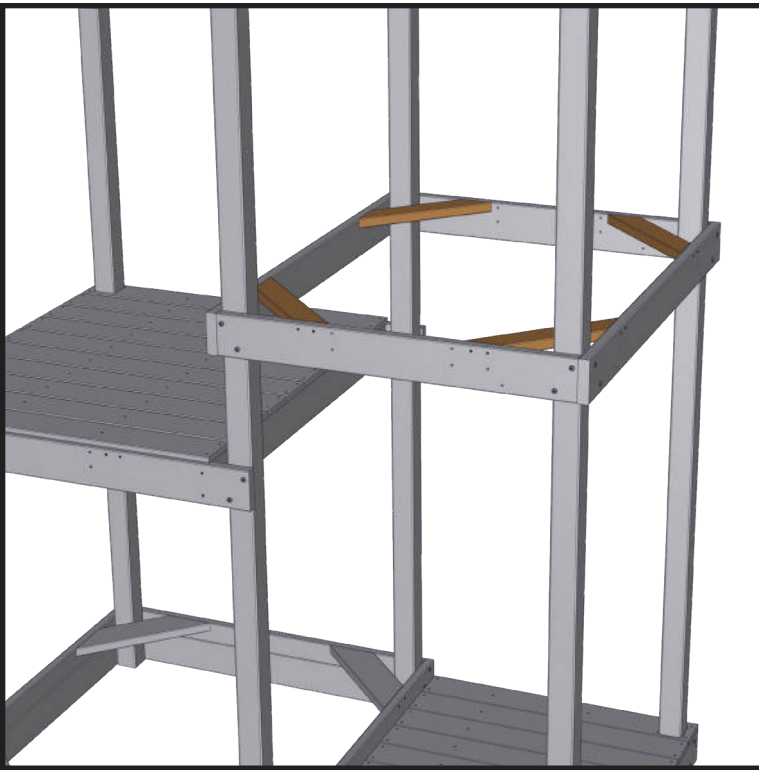
Step 22.
The playset tower should look like the picture above at this point.



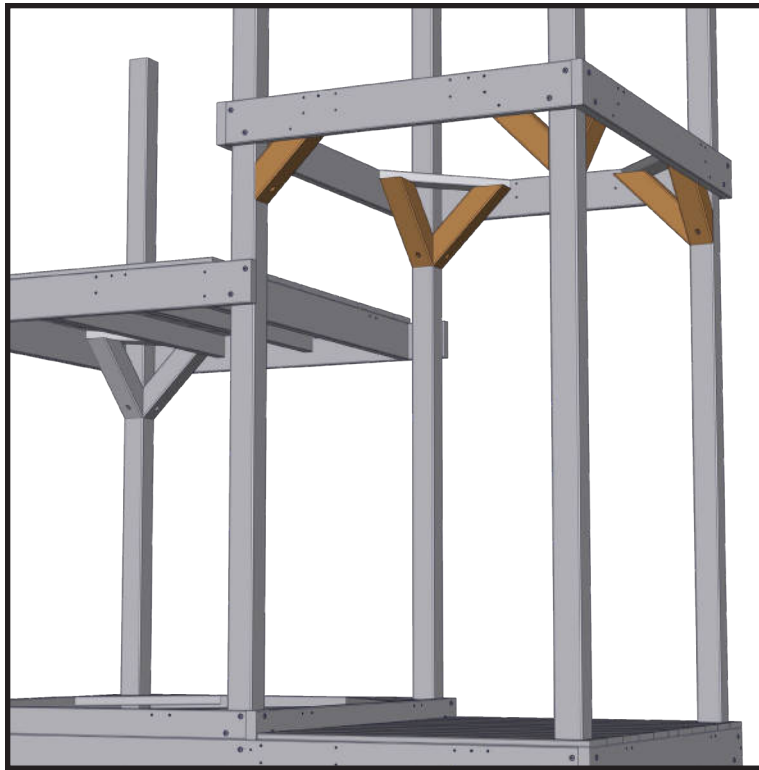
Step 23.
Place two 45 $\frac{3}{16}$ " 2x6's above the bottom floor. Use the upper deck spacers to position them and fasten them using 3" star head lags.



Step 24.
Place two 59" 2x6's on either end of the 45 $\frac{3}{16}$ " 2x6's and fasten them with the same lags.



Step 25.
Place four 2x4 braces in the upper deck and fasten them with 3" wood screws.



Step 26.
Locate eight 4x4 braces and place them around the upper deck as shown.
Make sure the pre-drilled holes are facing down then fasten them with 3" wood screws and 3" star head lags.



Step 27.
Fasten two 56 1/4" 2x4 floor joists in place with 3" wood screws.



Step 28.
Place the 47 7/8" floorboards on the upper deck and fasten them with 1 1/2" poly screws.



Step 29.

Place two 52 1/4" 2x4's above the lower deck for the railing. Use the railing spacers to position them and fasten them with 3" star head lags.



Step 30.

Place a 59" 2x4 on the end of the tower and fasten it with the same lags.



Step 31.

Place two 45 3/16" 2x6's above the upper deck. Use the railing spacers to position them and fasten them using 3" star head lags.



Step 32.

Finish the upper deck railing with two 59" 2x6's on either end. Fasten them using the same lags.



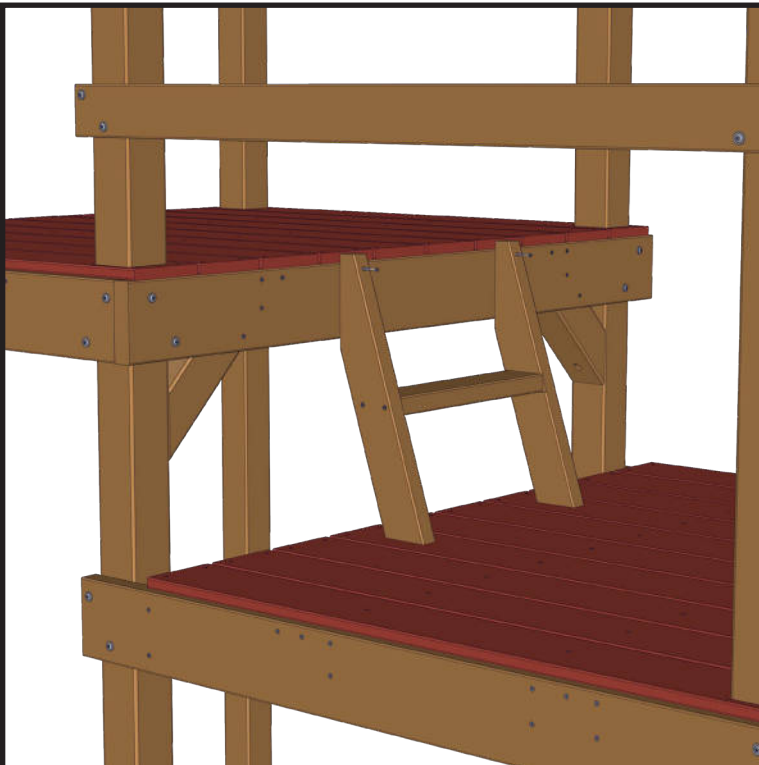
Step 33.

Fasten two 53 1/2" 2x4's to the top of the lower deck using 3" star head lags. Keep the inside ends even with the middle 4x4's and the top of the 2x4's flush with the top of the end 4x4's.



Step 34.

Fasten two 48" 2x4's to the top of the upper deck using the same lags. Keep these centered on the 4x4's.



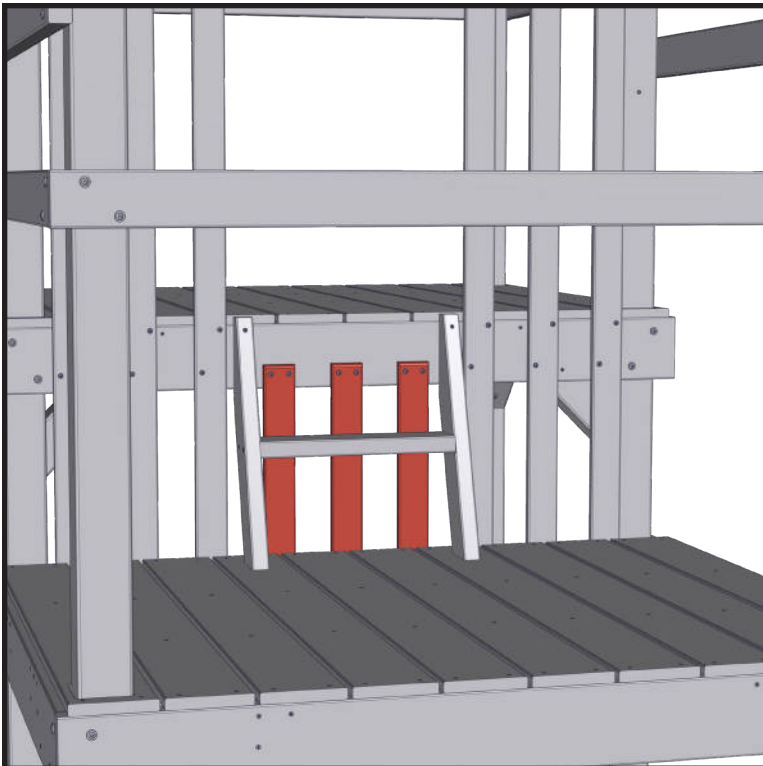
Step 35.

Place the small wood ladder on the lower deck resting against the upper deck and fasten it with 2 1/2" wood screws.



Step 36.

Place six 53 1/2" poly slats between the two decks as shown above. Fasten them on each end and the center with 1 3/4" washer head screws.



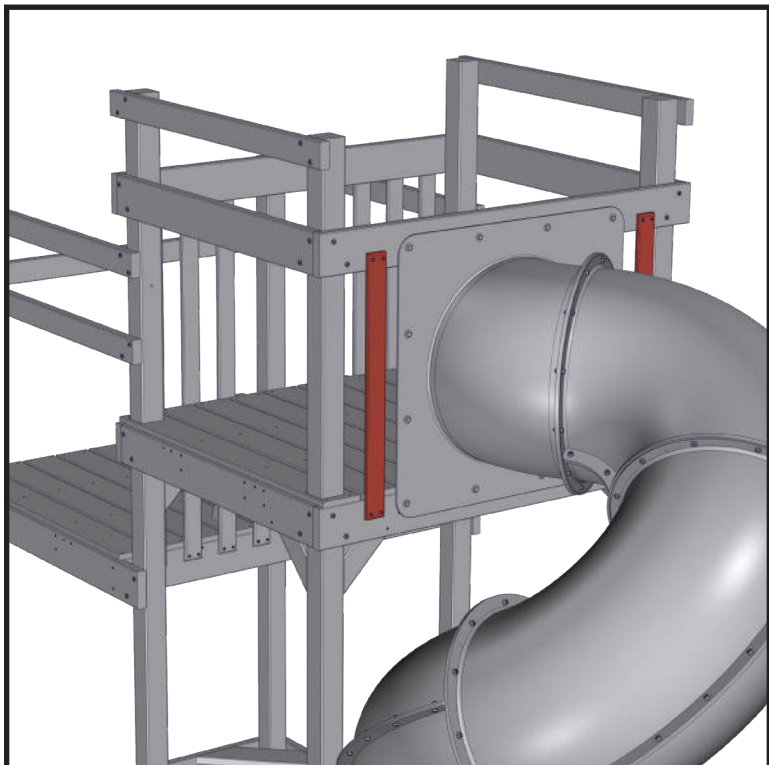
Step 37.
Fasten three 18 ½" poly slats underneath the ladder using the same screws.



Note: Use the included spacer to space all the slats on the tower.
If the playset has wood slats instead of poly, use 1 ½" wood screws instead of washer head screws.



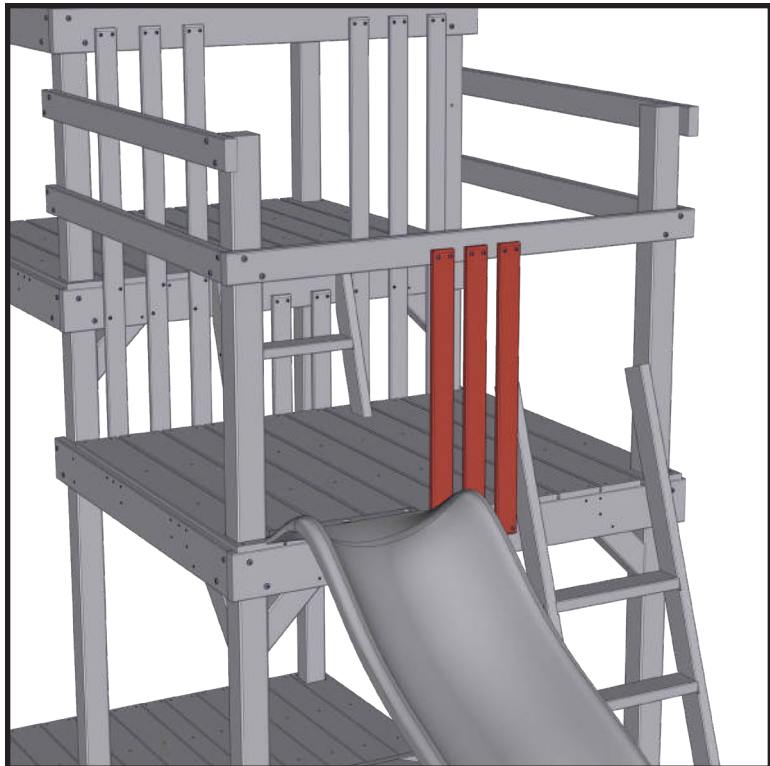
Step 38.
Fill in the other sides using 33 ½" slats.



Step 39.
If your playset has a Tornado Tube Slide use two slats for that side.

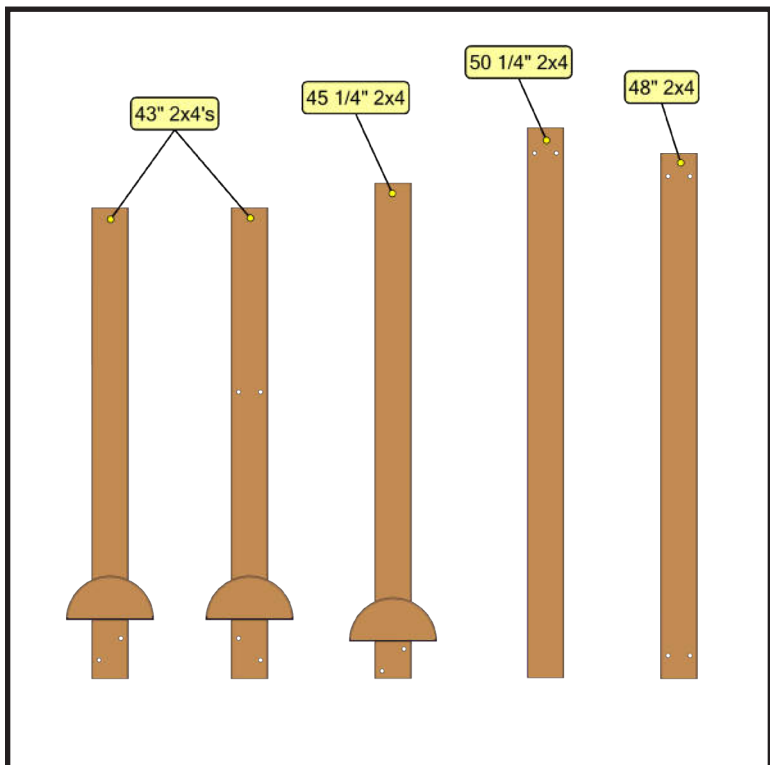


Step 40.
Use two slats on each side for the rest of the accessories.

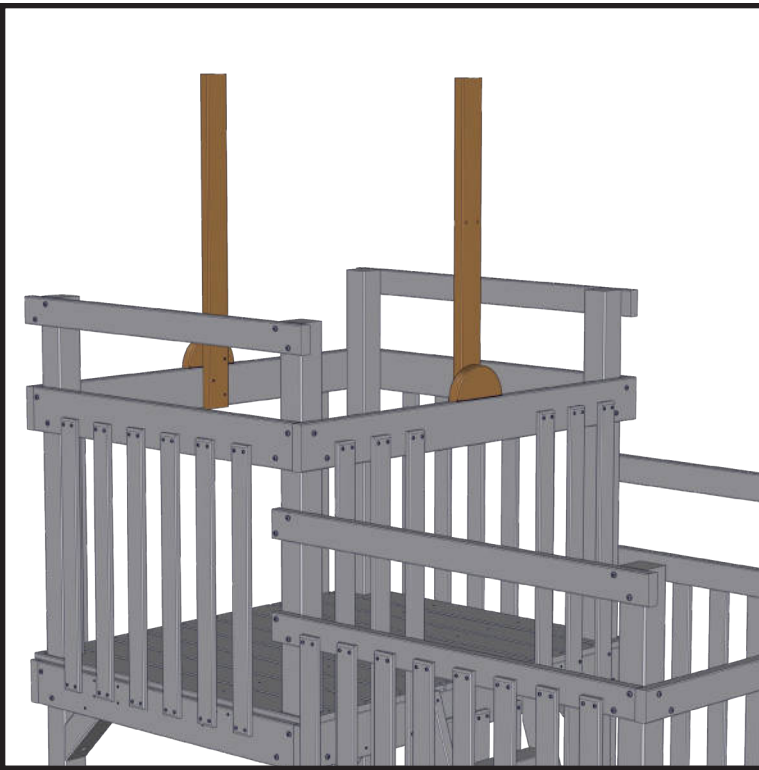


Step 41.
Fasten three slats on the front of the playset, make sure to leave a 19 1/4" gap on one side for the ladder.

Tarp Roof

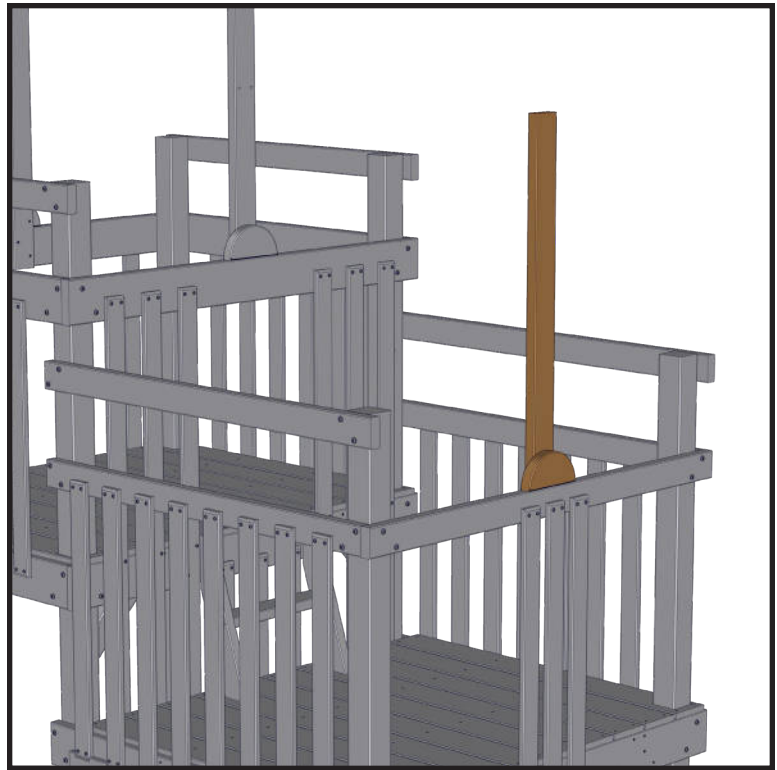


Step 1.
Locate these pieces to begin the tarp roof assembly.



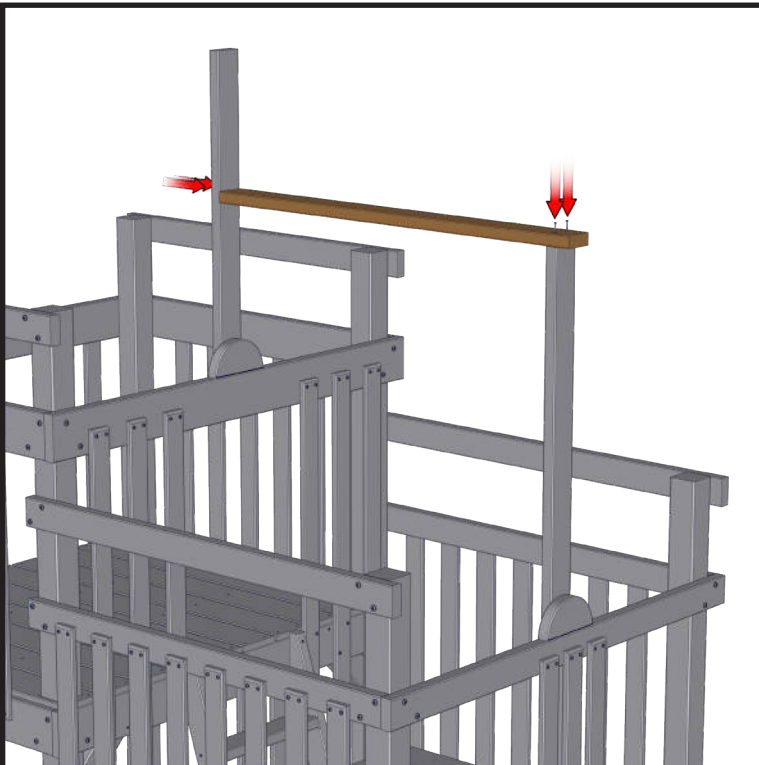
Step 2.

Place the two 43" 2x4's on either side of the upper platform with the half moon pieces facing out then fasten them with 2 1/2" wood screws.



Step 3.

Place the 45 1/4" 2x4 on the lower platform with the half moon piece facing out then fasten it with 2 1/2" wood screws.



Step 4.

Place the 50 1/4" 2x4 on the 45 1/4" 2x4 on the lower deck. Fasten the inside end to the 43" 2x4 then fasten the other end down to the 45 1/4" 2x4 below.



Step 5.

Place the 48" 2x4 on the 43" 2x4's and fasten it with 3" wood screws.

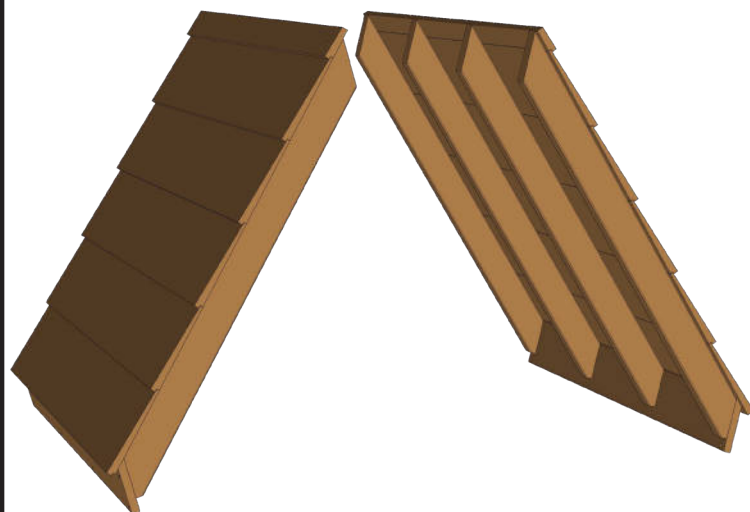


Step 6.
Place the tarp roof over the lower roof frame then stretch it out and fasten each side with 1 ¾" washer head screws.
Repeat for the upper roof.

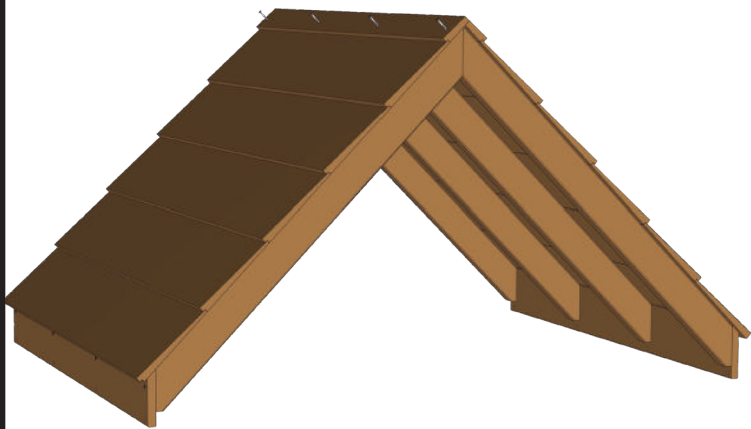


Completed Tarp Roof

Wood Roof

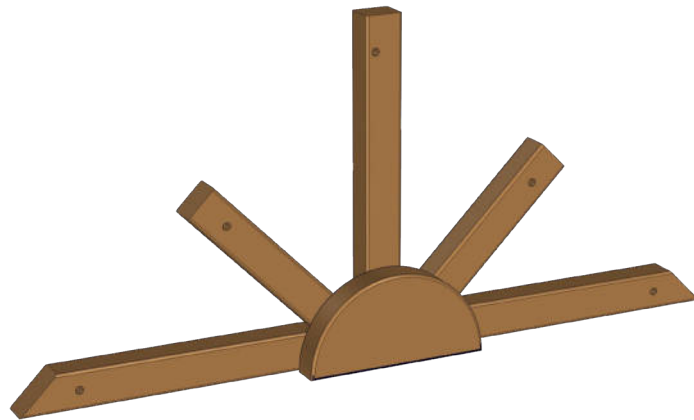


Step 1.
Locate the two side panels.



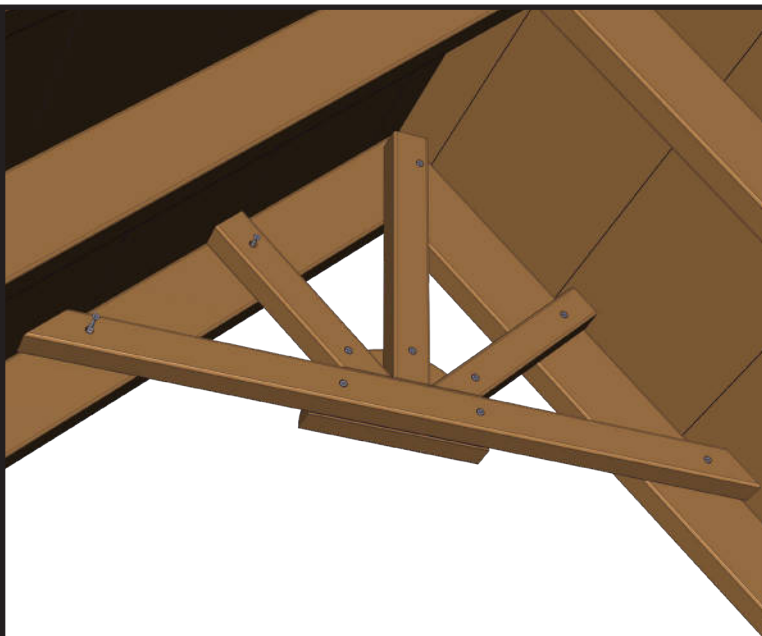
Step 2.

Place the panels together then fasten the tops together using 3" wood screws.



Step 3.

Locate the sunburst pieces.



Step 4.

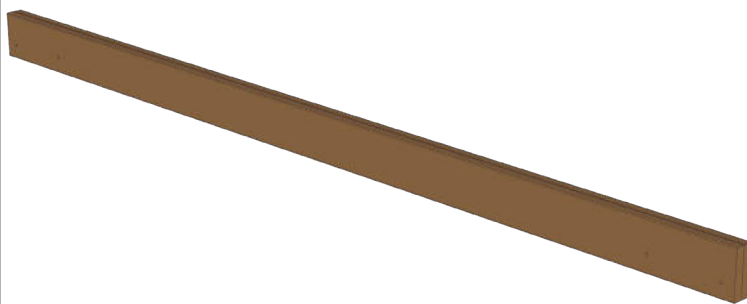
Place the sunburst pieces on the inside of the wood roof and fasten them with 2 1/2" wood screws.



Step 5.

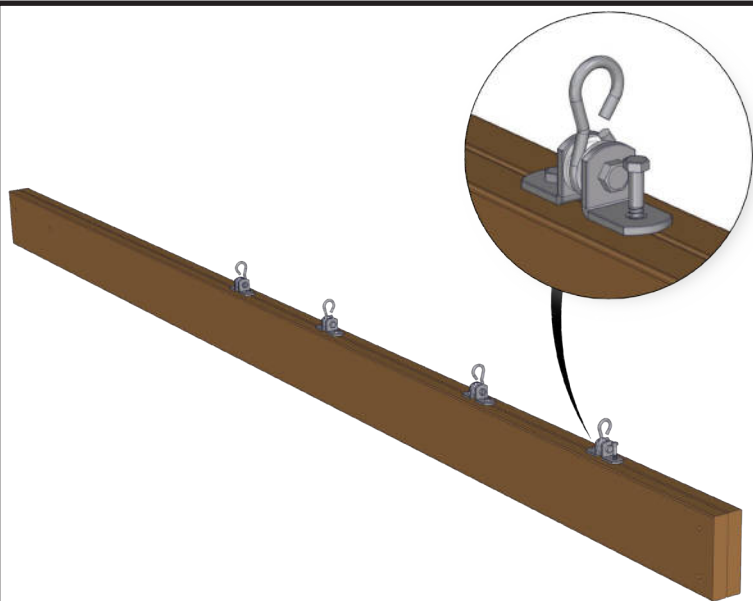
Place the wood roofs on the tower as shown then fasten both sides with 1 1/2" wood screws.

Swing Frame



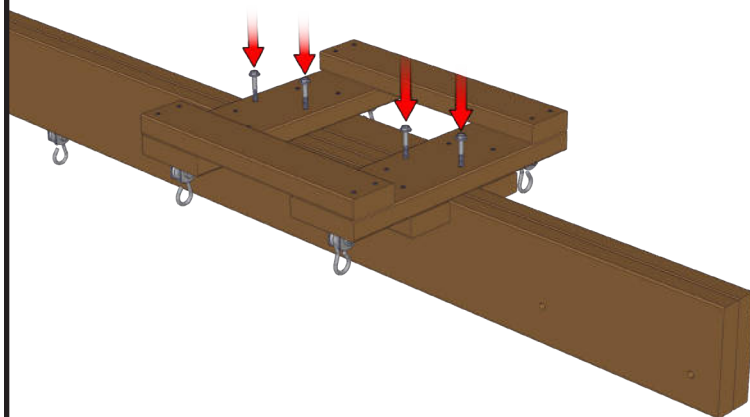
Step 1.

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



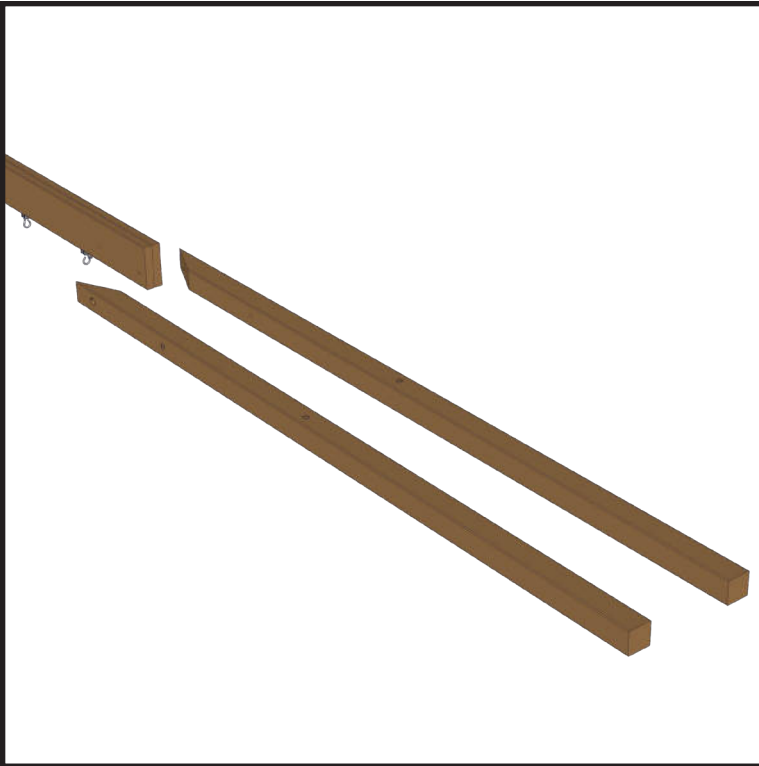
Step 2.

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

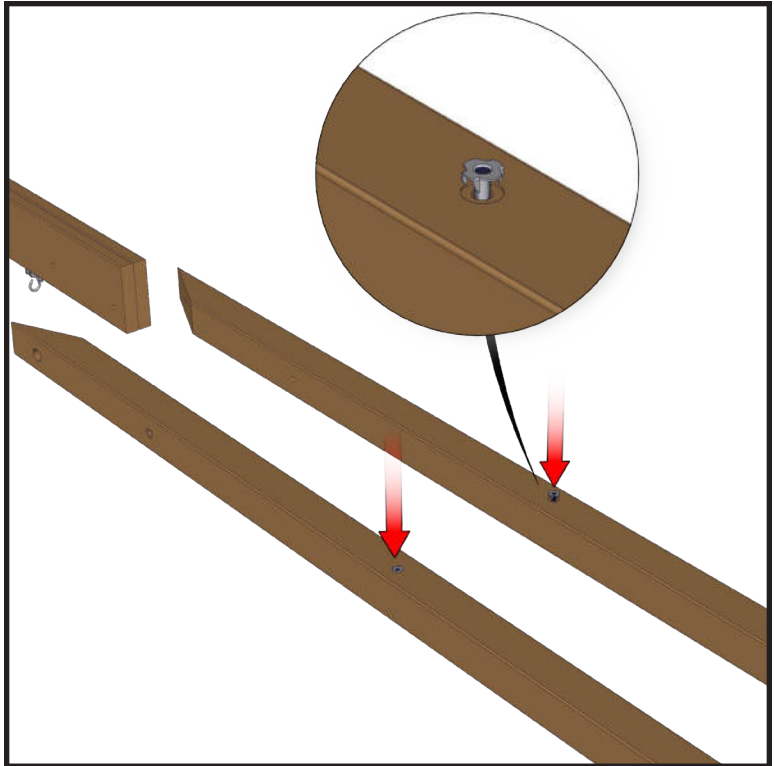


Step 3.

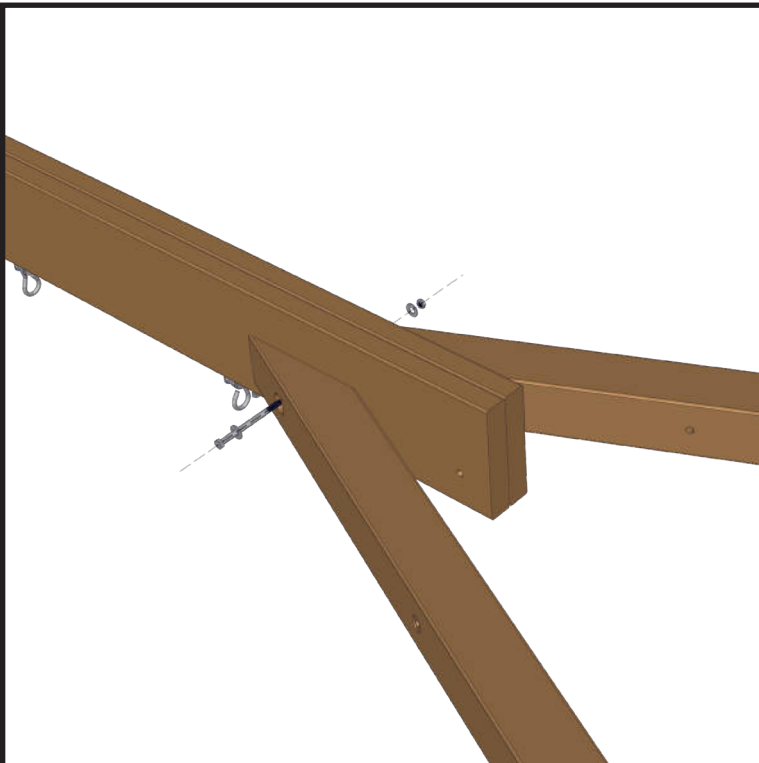
If your playset has a glider, place the glider bracket on the swing beam and fasten it with four washer head lags.



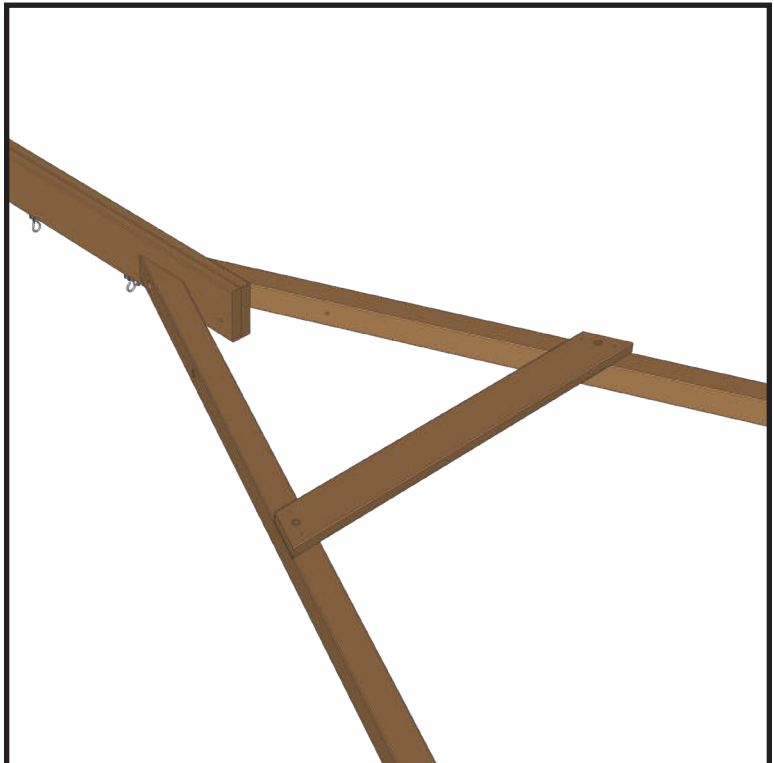
Step 4.
Place two 4x4 posts at the end of the swing beam.



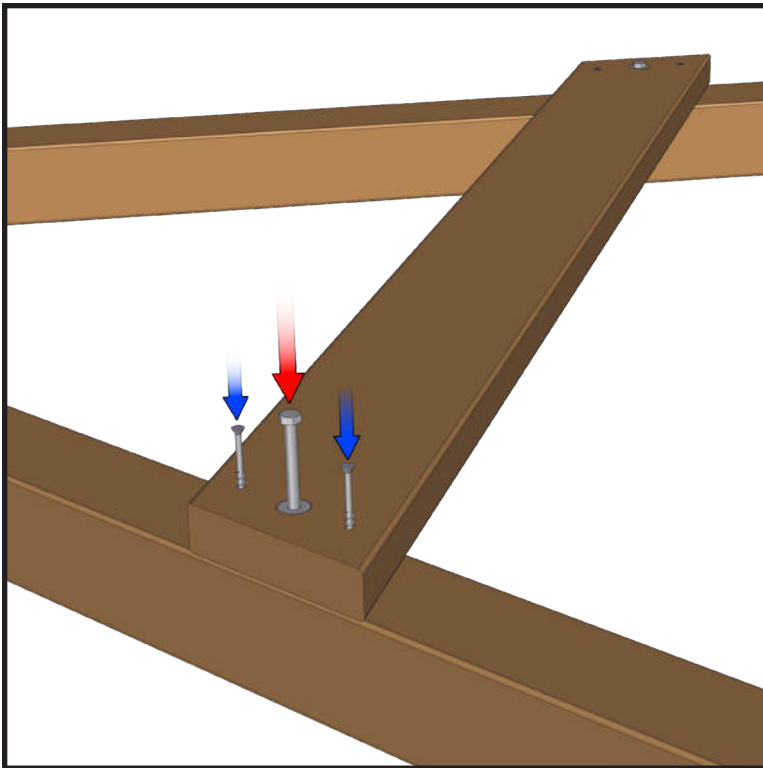
Step 5.
Place a T-Nut in each pre-drilled hole on the 4x4 posts.
Use a hammer to set them in the wood.



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.

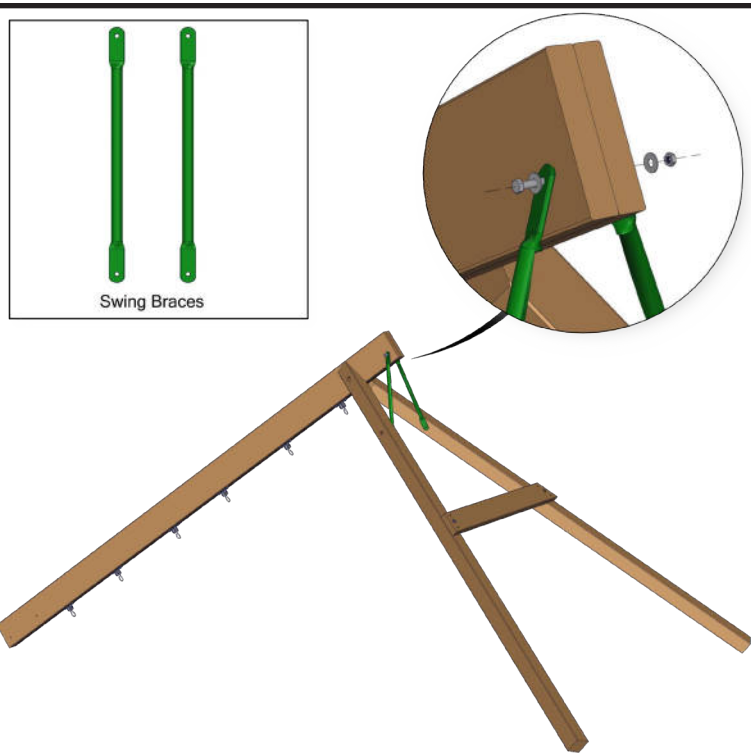


Step 7.
Place the 2x6 end piece on the posts.
Position the 2x6 so the pre-drilled holes on the posts and the 2x6 line up.



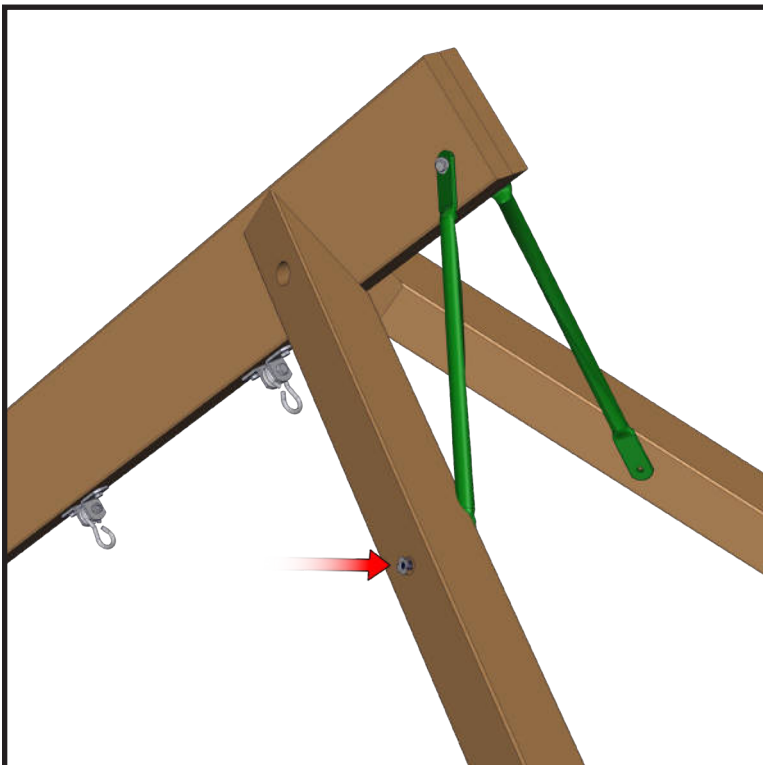
Step 8.

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.



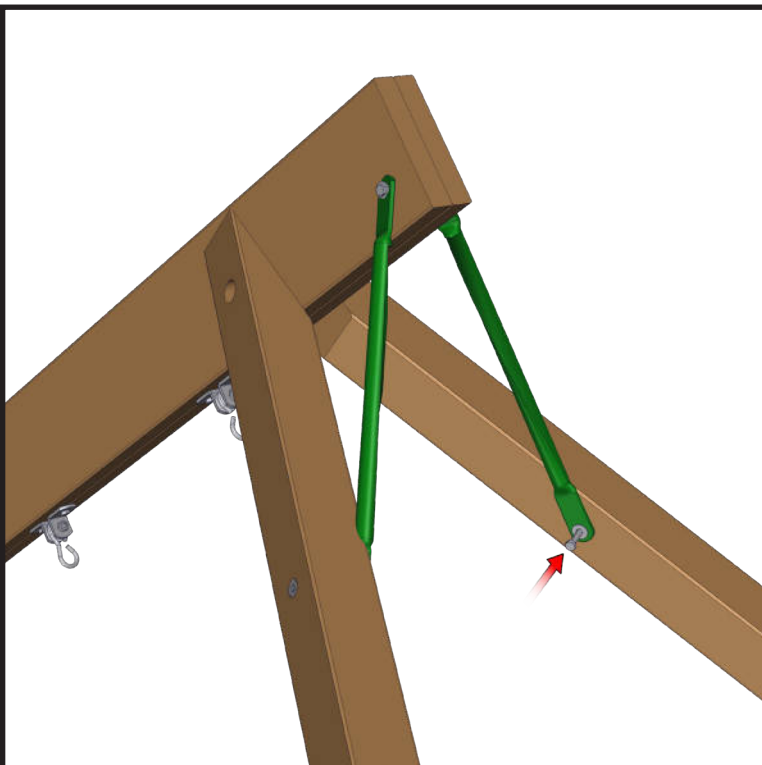
Step 9.

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.

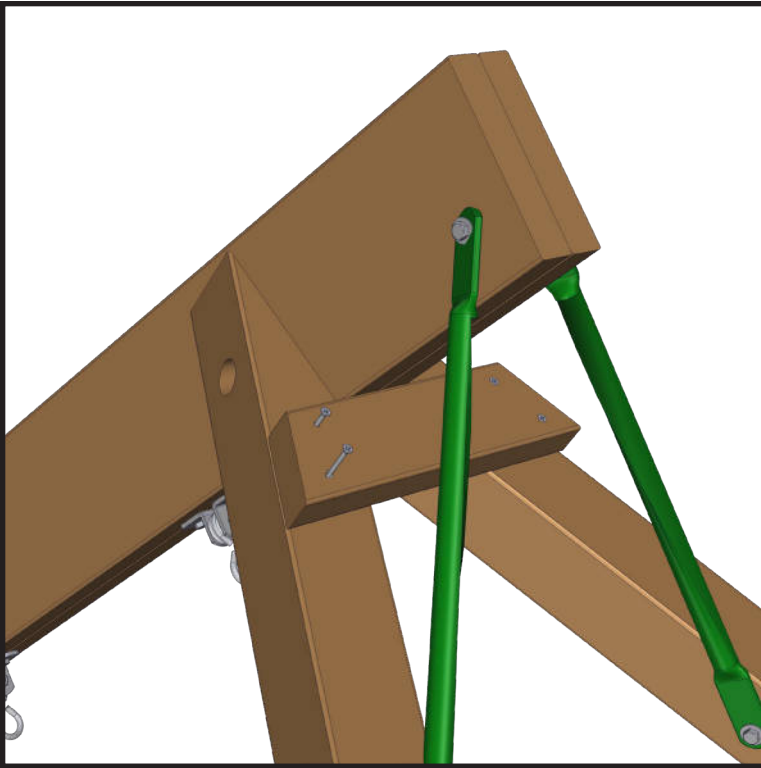
Place a T-Nut in the pre-drilled hole on the outside of each 4x4 post then use a hammer to set them into the wood.



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.

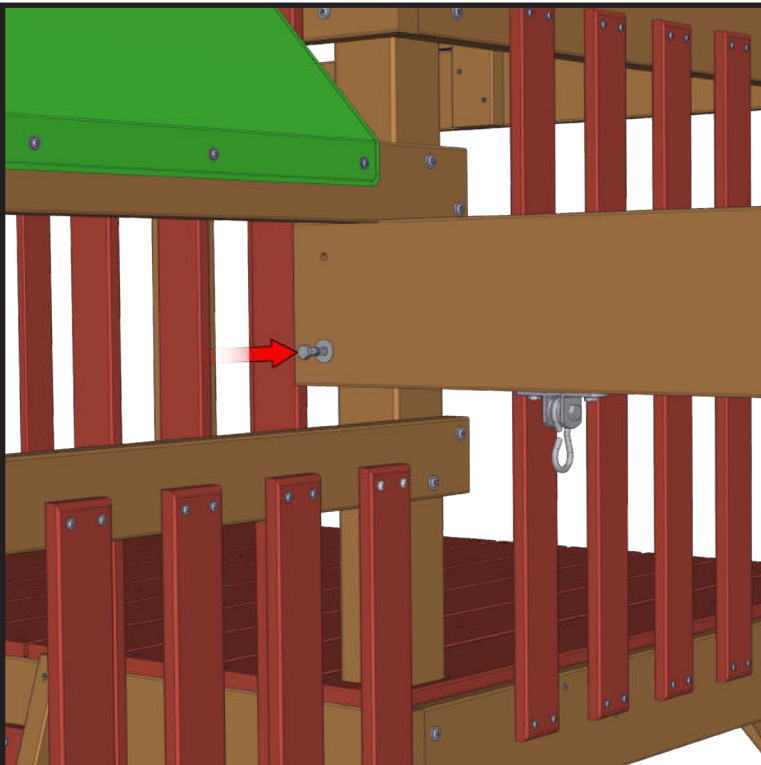
After this step tighten all the bolts on the swing frame.



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



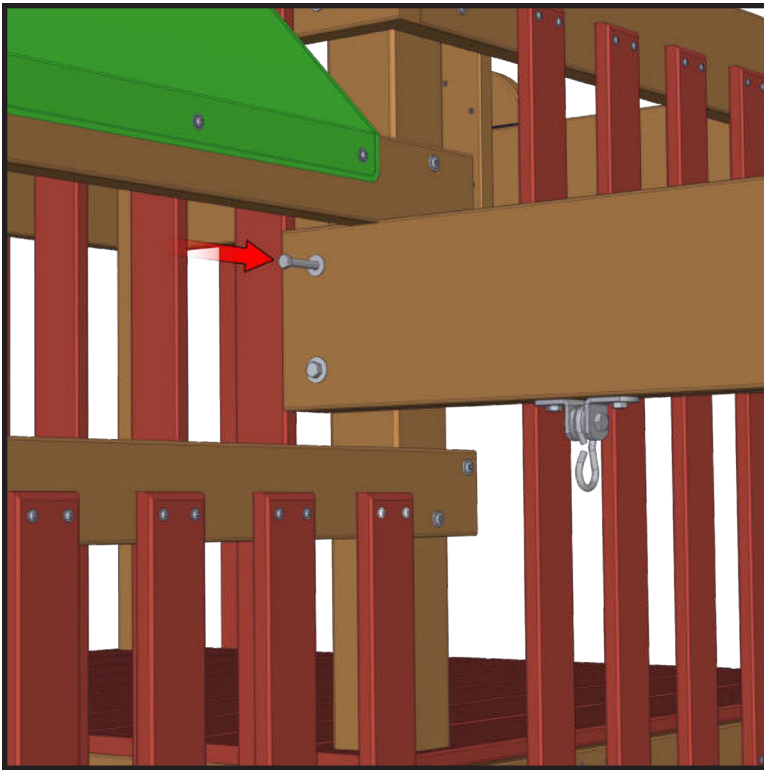
Step 13.
Lift the swing frame up and place it on the tower next to one of the 4x4 posts.



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.

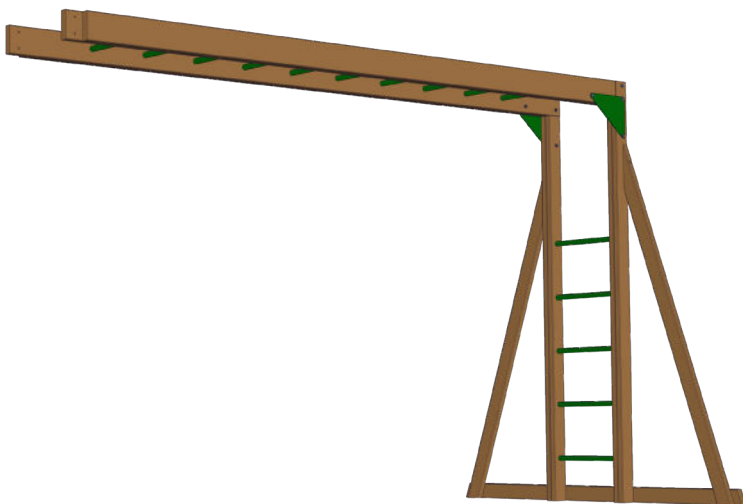


Step 16.
Fasten the swing beam to the post using a 6" bolt and washer through the hole into the T-Nut.



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

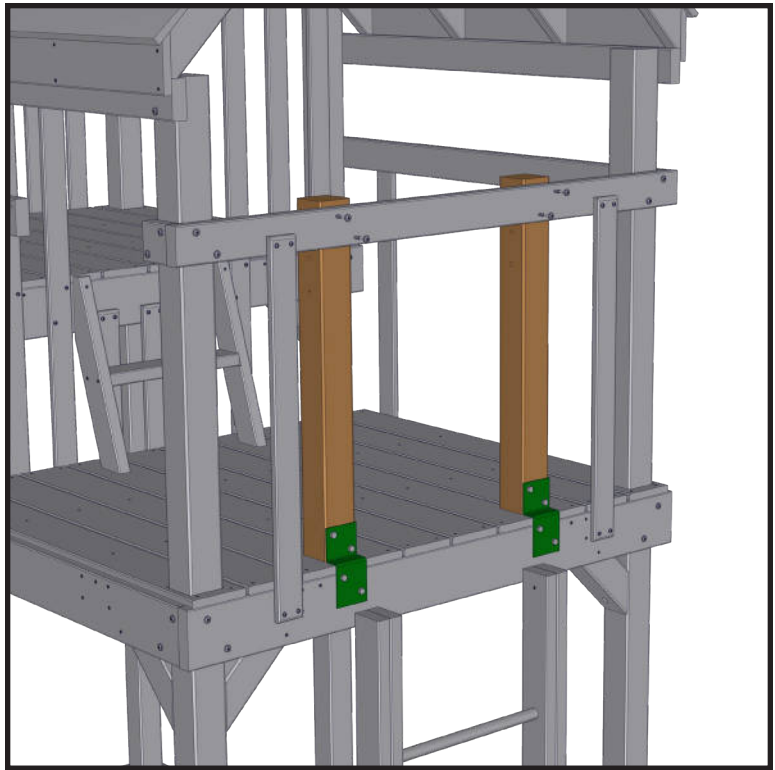
Climbing Set



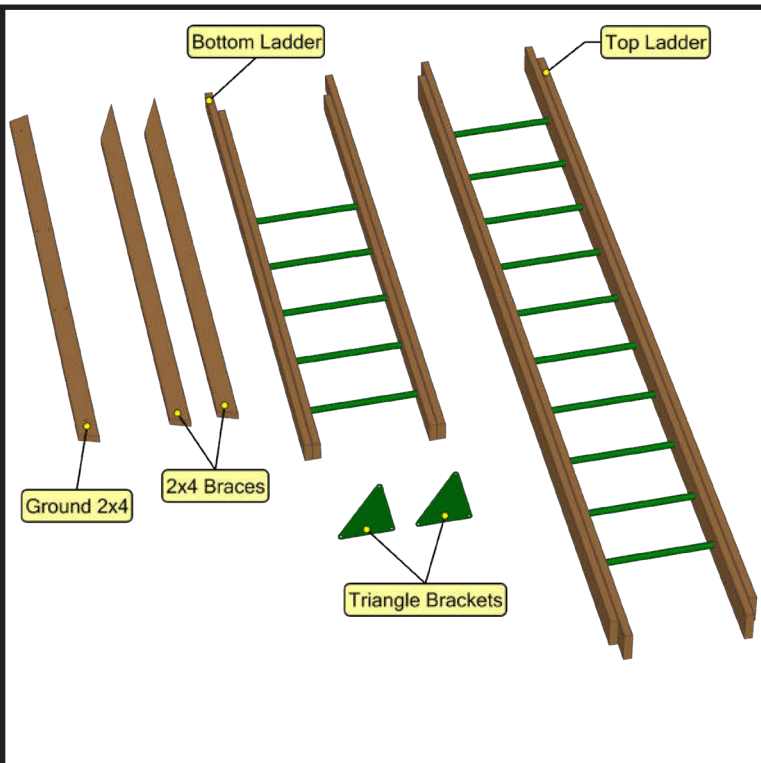
Step 1.
Place the small deck ladder against the tower where the climbing set will be.



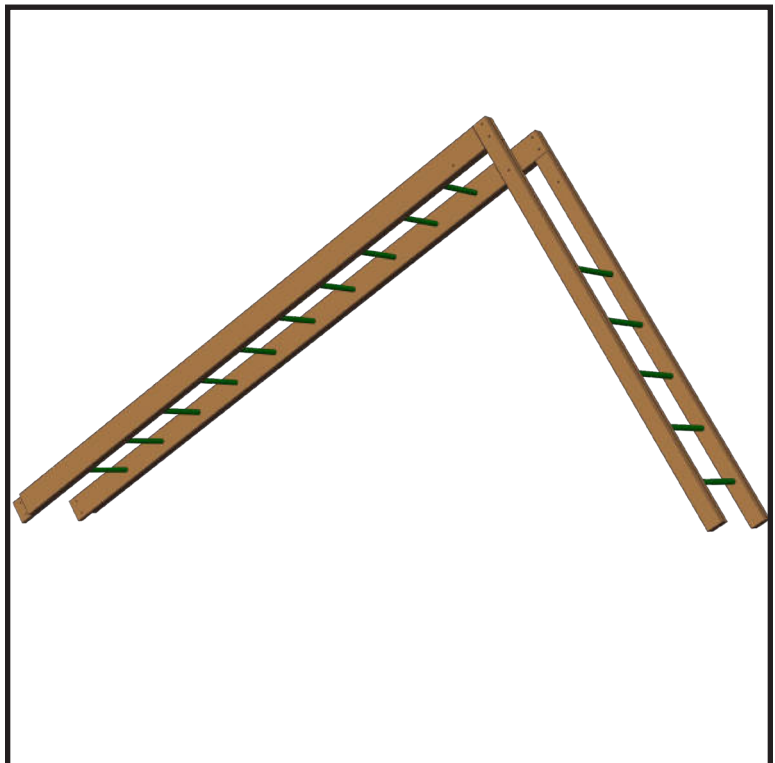
Step 2.
Fasten the ladder using 3" star head lags through the lower deck 2x6.



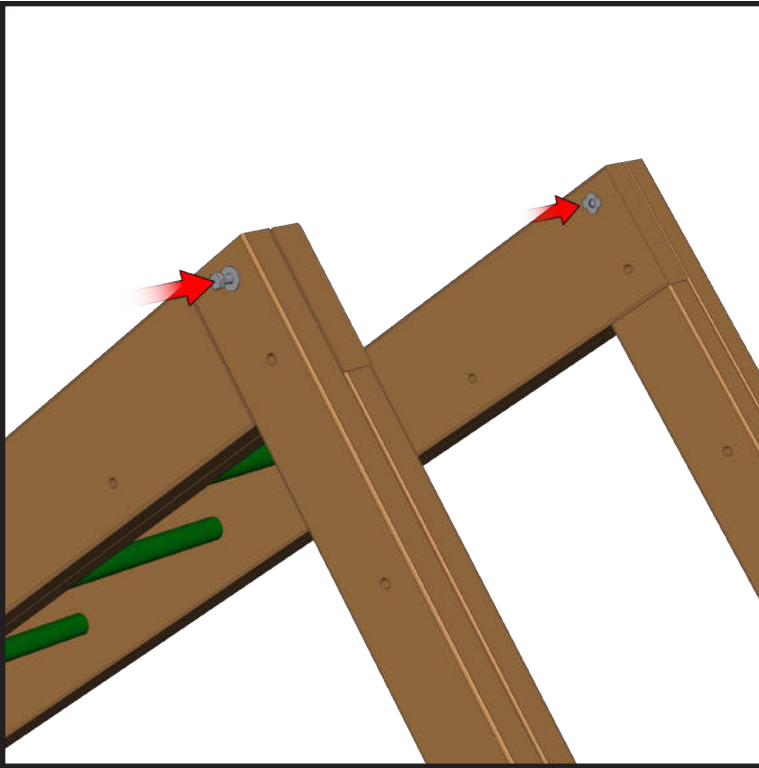
Step 3.
Find the two 32" 4x4 supports and place them on the inside of the 2x4 railing.
Fasten the top of the posts to the railing using 3" star head lags then fasten the bottom of the posts with the included brackets and hex head lags.



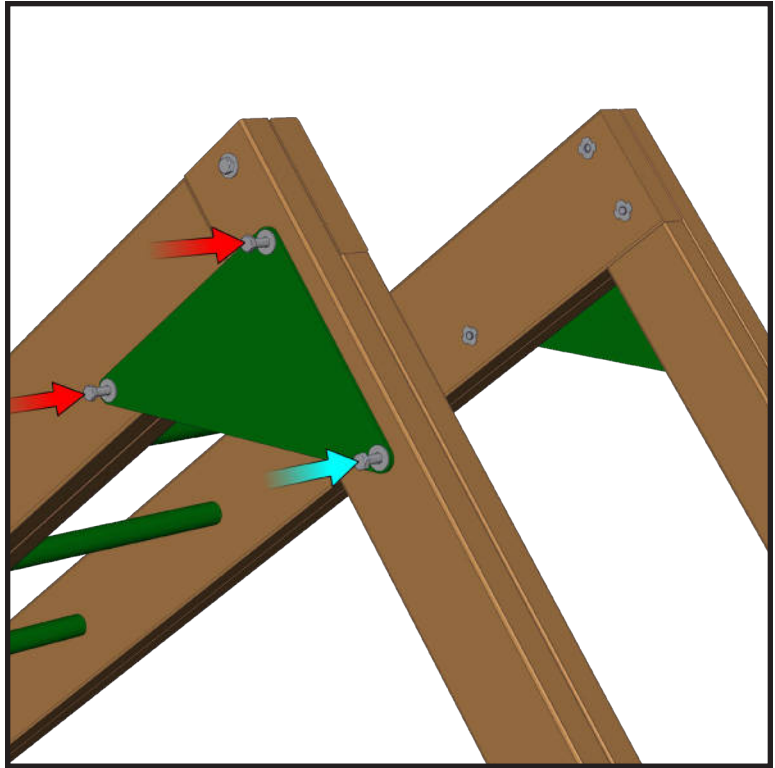
Step 4.
Locate these pieces to begin the climbing set assembly.



Step 5.
Place the notched ends on the top and bottom ladder together.



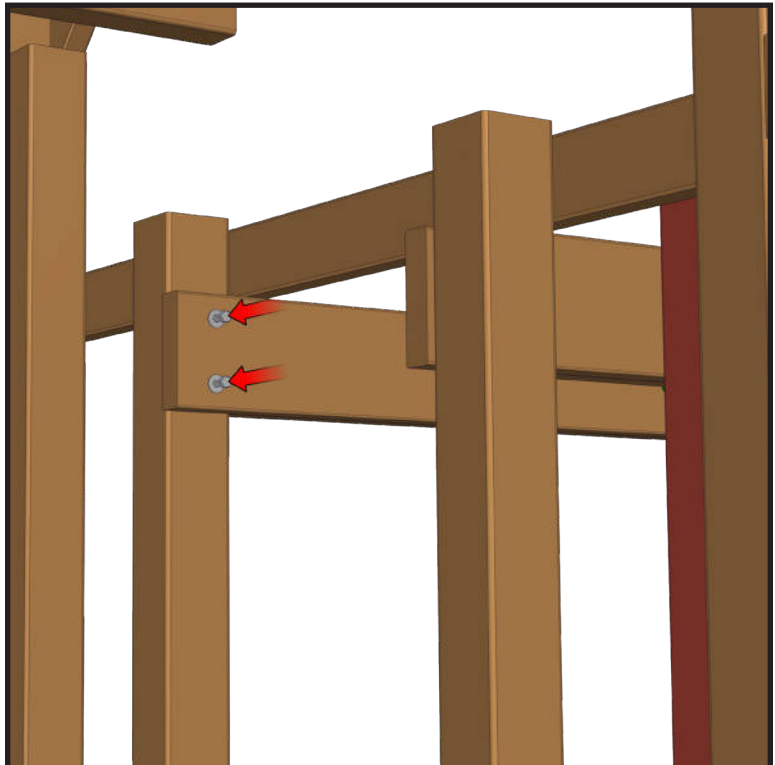
Step 6.
Fasten the top and bottom ladder together using 2 ½" bolts, washers and T-nuts in the top holes.



Step 7.
Place two triangle brackets over the bottom three holes then fasten the two top holes with 2 ½" bolts, washers and T-nuts. Fasten the bottom hole with a 1 ½" hex head lag.



Step 8.
Set the climbing set upright and place it against the 4x4 supports on the tower.



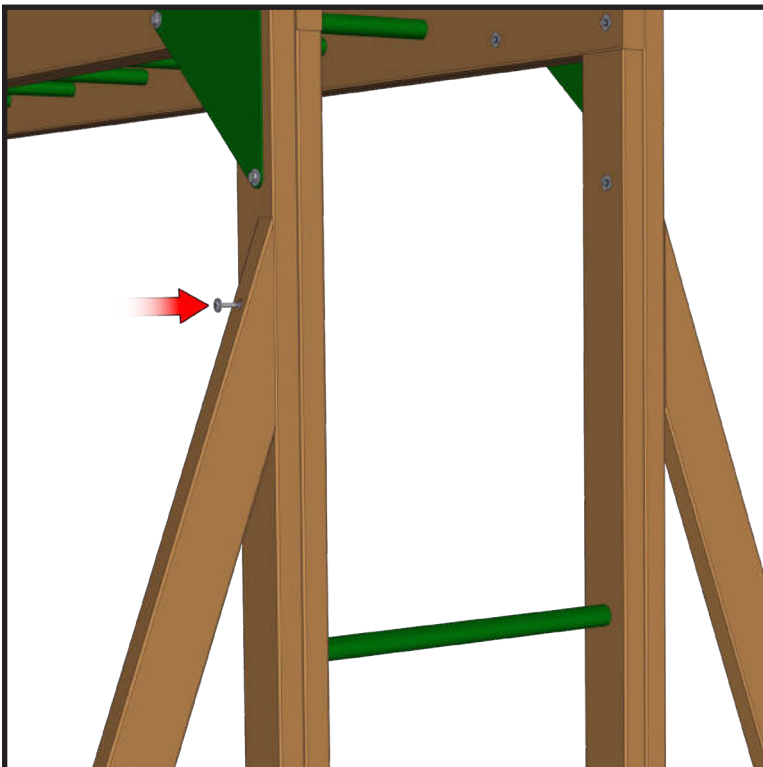
Step 9.
Fasten the top ladder to the 4x4 supports using hex head lags and washers.



Step 10.
Place the ground runner 2x4 against the bottom ladder and fasten it with 3" wood screws.



Step 11.
Place the 2x4 braces in position as shown and fasten the bottoms with 2 1/2" wood screws.



Step 12.
Fasten the tops of the 2x4 braces with 3" star head lags.



Finished Climbing Set

Accessories



Support 2x4

Place a 2x4 support on the front of the tower and fasten it with 3" wood screws.

Leave a 19 1/4" space between the 2x4 and one of the 4x4's.



Wood Ladder

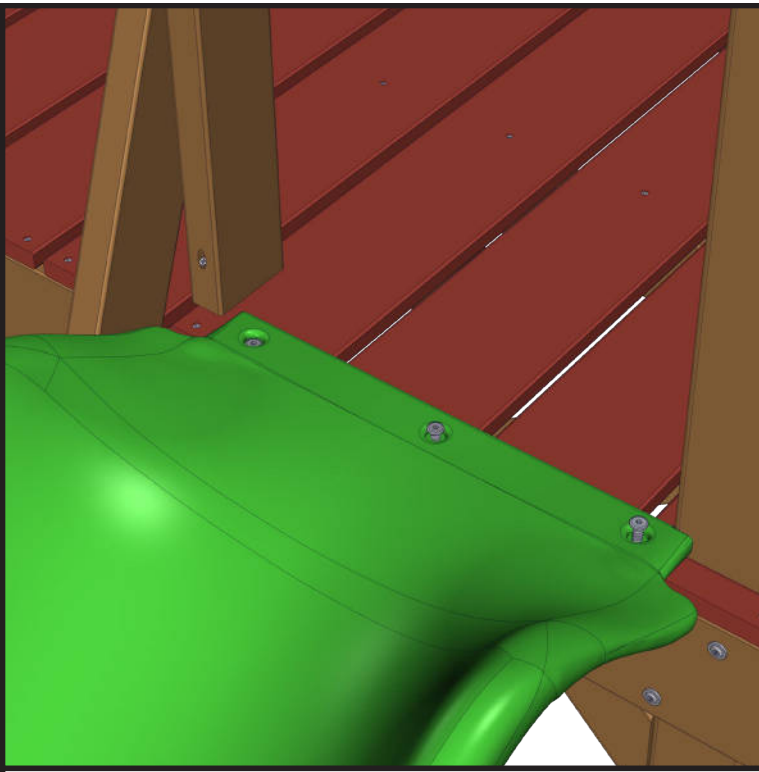
Place the wood ladder in the space between the support 2x4 and the 4x4.

Fasten it with 3" wood screws.



Wave Slide

Place the slide in the empty spot on the tower and center it.



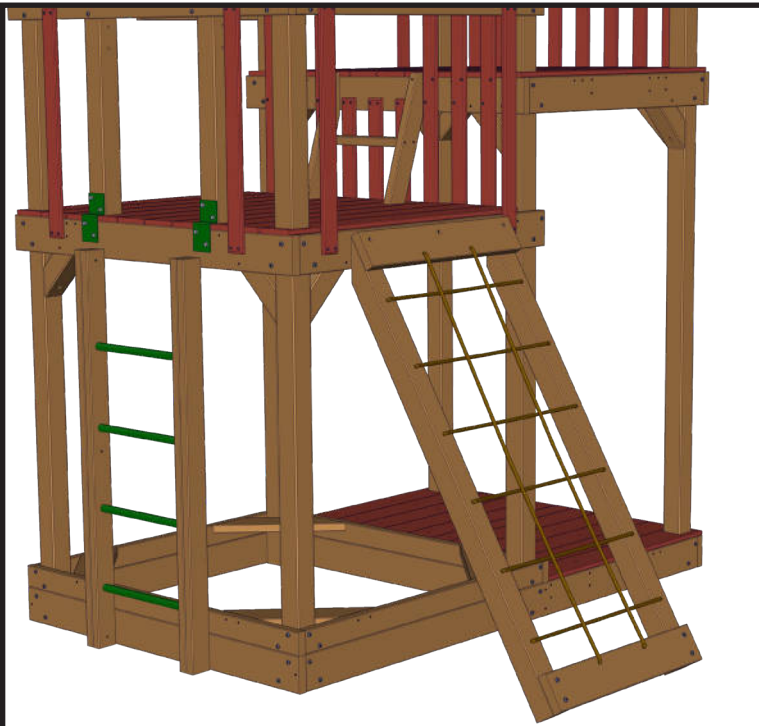
Wave Slide

Fasten the slide with 1 ½" star head lags.



Rock Wall

Center the rock wall on the tower and fasten it with 3" star head lags.



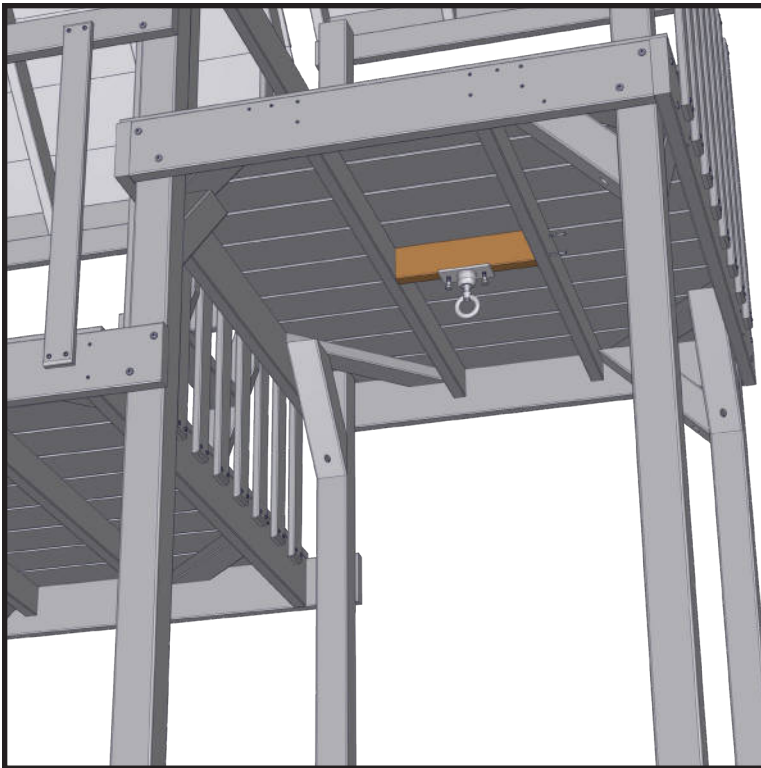
Cargo Net

Center the cargo net on the tower and fasten it with 3" star head lags.



Avalanche Slides

Place the slides in empty spots on the tower and center them. Fasten them with 1 ½" star head lags.



Hammock Swing

Locate the 2x4 support for the hammock swing and place it between the floor joists.
Fasten the 2x4 with 3" wood screws then fasten the hammock swing bracket to the 2x4 with the included lags.



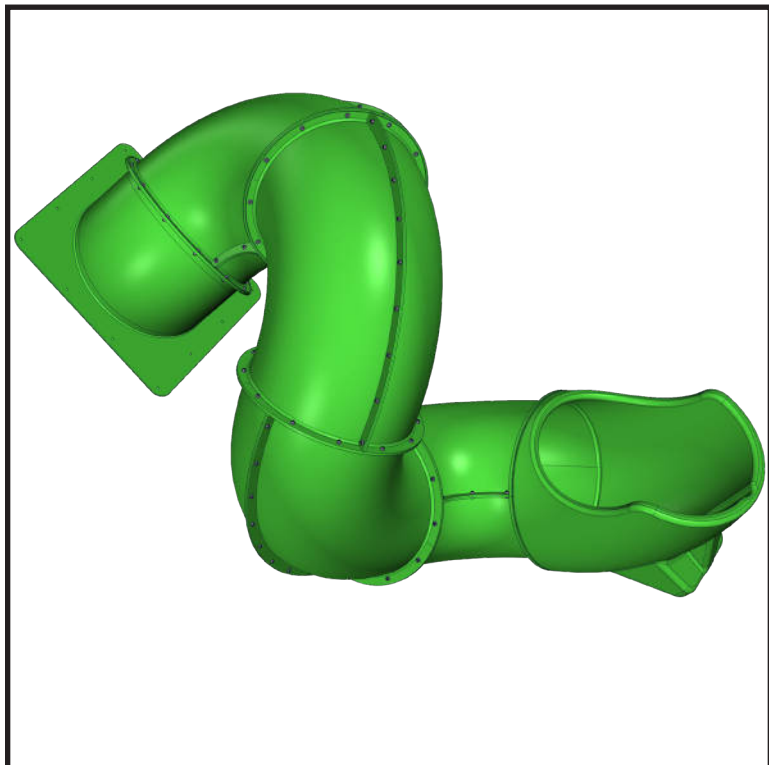
Hammock Swing

Fasten the hammock swing chain to the hammock swing bracket.



Tornado Tube Slide

Locate the support 2x4's for the tornado tube slide and place them on the upper deck.
Measure the width of the slide mounting plate and position the 2x4's to fit.
Fasten them with 3" wood screws.



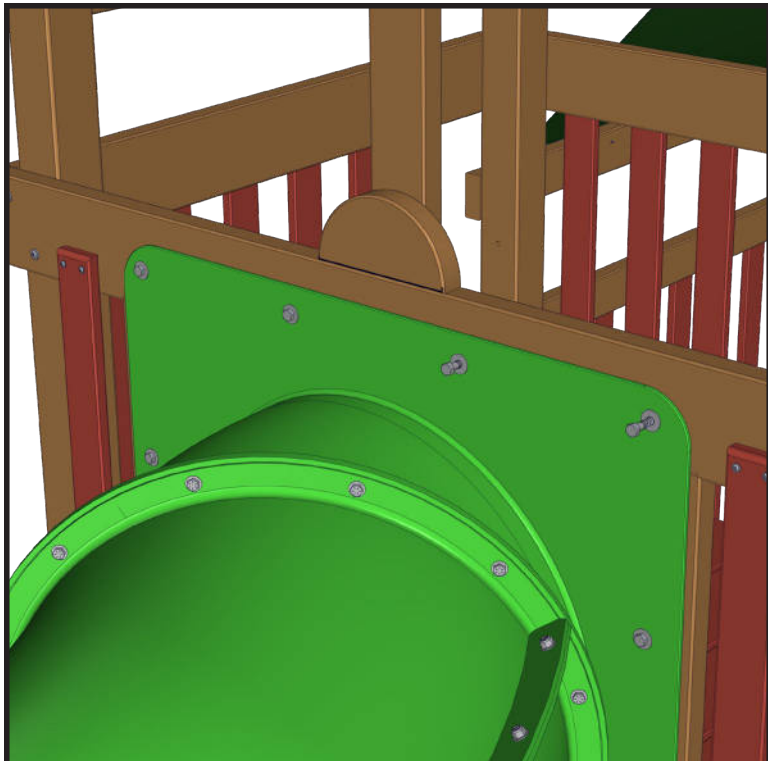
Tornado Tube Slide

Use the included assembly manual to assemble the tornado tube slide.



Tornado Tube Slide

Place the slide on the tower and center it on the support 2x4's.



Tornado Tube Slide

Fasten the slide mounting plate to the tower using the included lags and washers.



Playset Stakes

The playset comes with a bundle of stakes and hardware



Playset Stakes

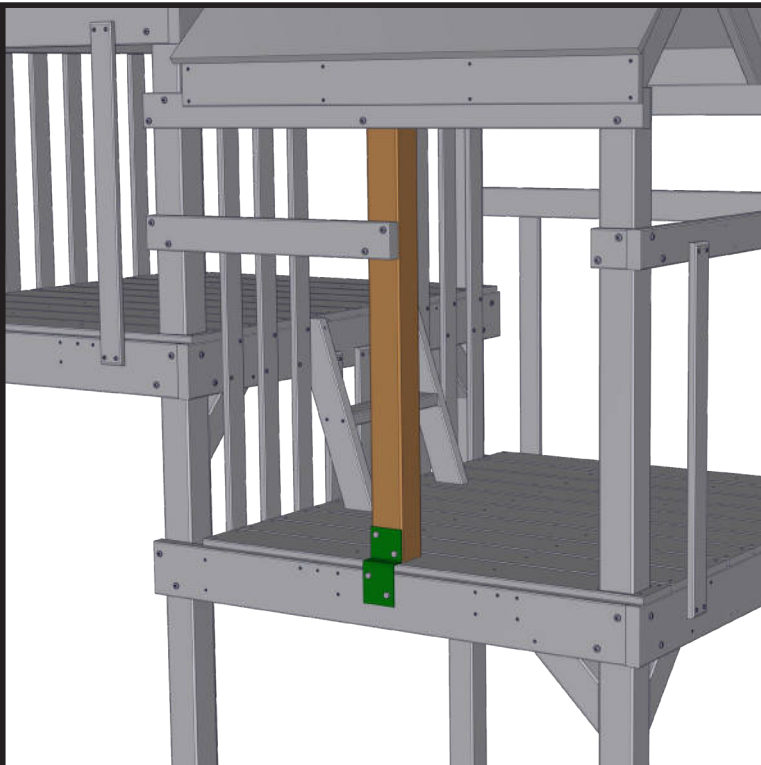
Drive the stakes into the ground at each corner of the playset and fasten them with the included lags.

Wood Ramp



Step 1.

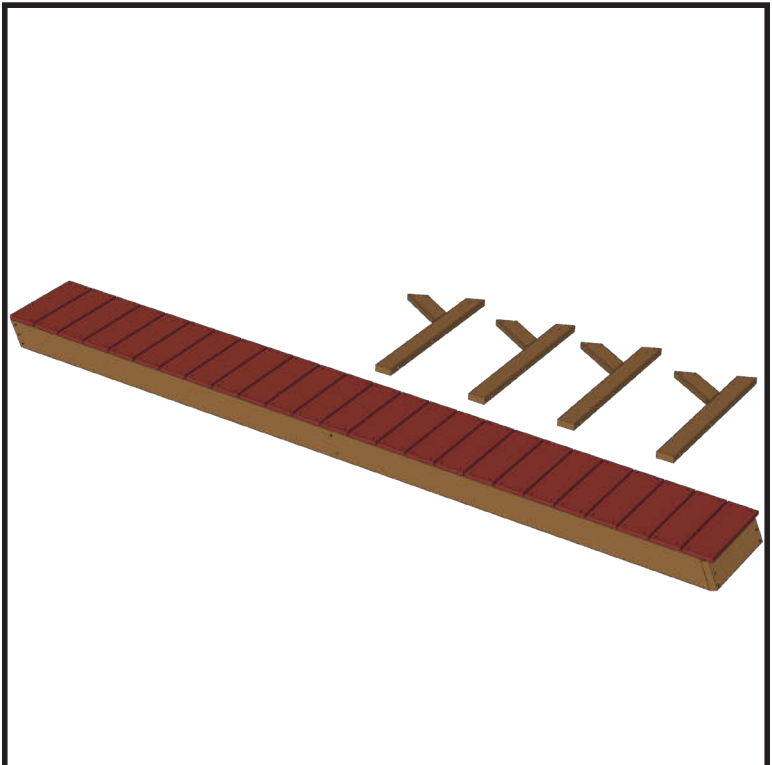
If your playset comes with a ramp, there will be two short 2x4 railing pieces, fasten these with 3" star head lags.



Step 2.

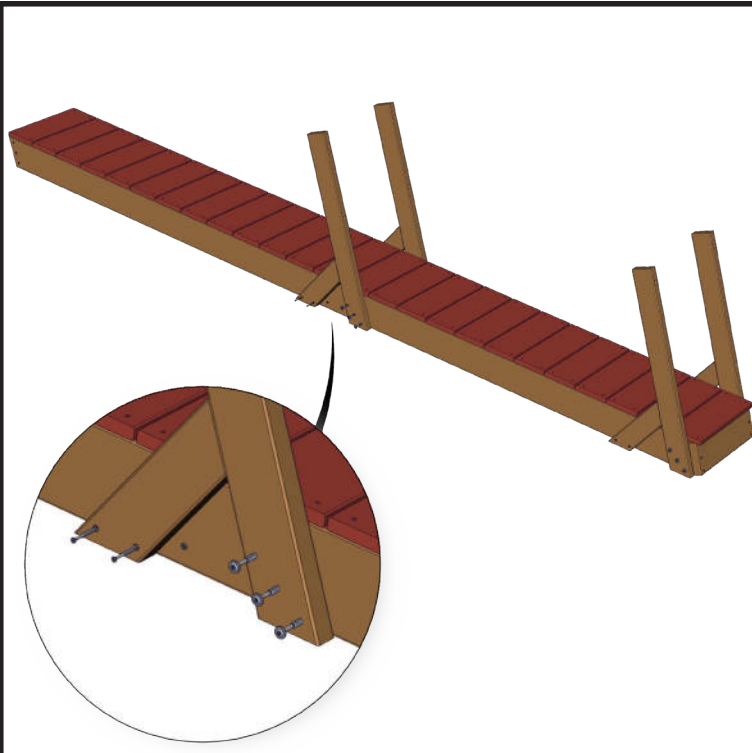
Place the 4x4 support in place and fasten it to the railing and roof 2x4 with 3" star head lags.

Place a bracket on the bottom of the post and fasten it with hex head lags.



Step 3.

Locate these pieces to start the assembly.



Step 4.

Place the side 2x4 pieces in place and fasten them with star head lags.
Fasten the 2x4 braces with wood screws.



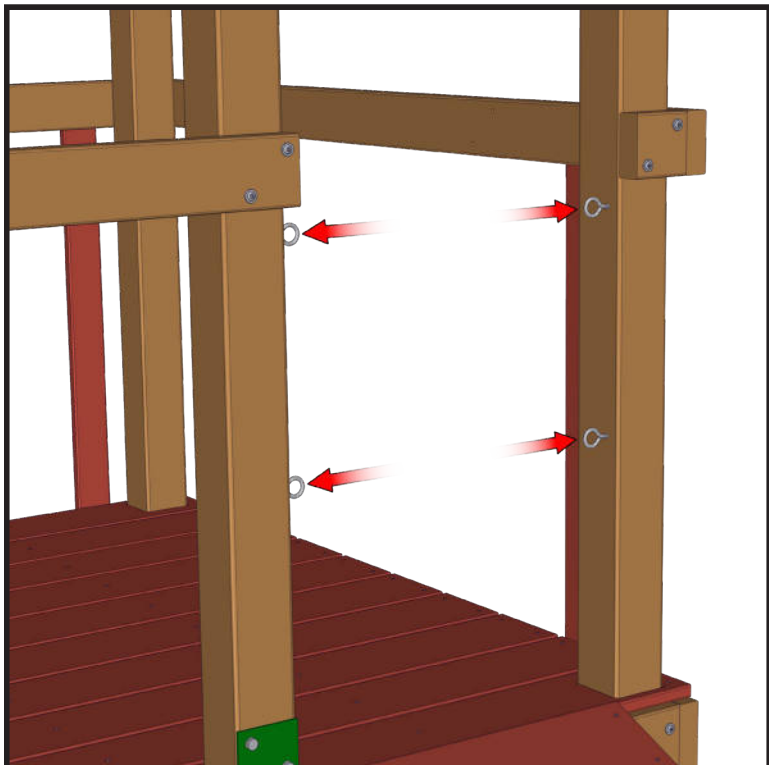
Step 5.

Place the ramp in position on the tower.



Step 6.

Fasten the ramp to the tower using 3" star head lags.

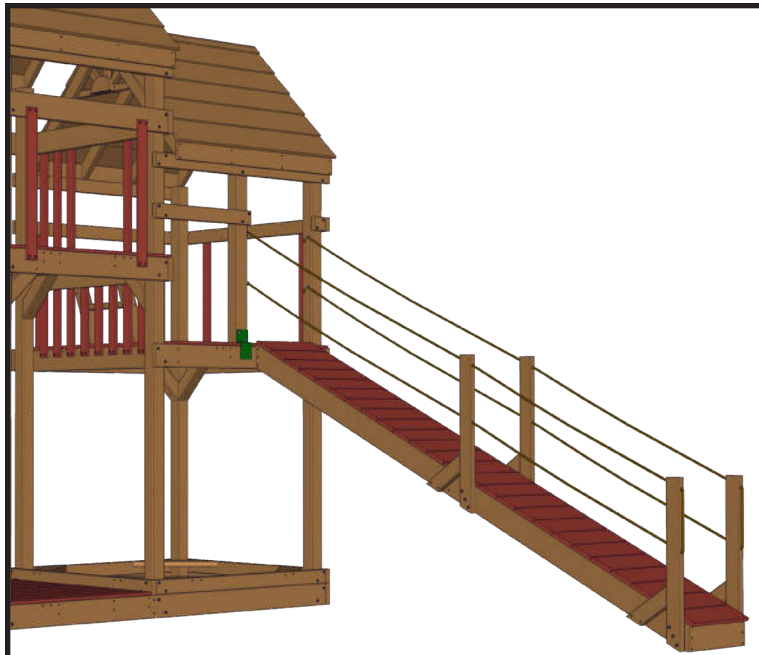


Step 7.

Install four eye bolts on the 4x4 posts above the ramp.



Step 8.
Install the rope through the 2x4 posts and eye bolts to finish the railing.



Finished Ramp

