

Matterhorn 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
- 5/32" Hex Drive Bit

Parts List

Tower	
Parts	Quantity
108" 4x4 Post	4
96" 4x4 Post	2
56" 2x6	6
90" 2x6	6
56" 2x4 Joists	5
Floor Boards	13
Slats	
Sandbox Seats	4
2x6 Corner Brackets	12

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

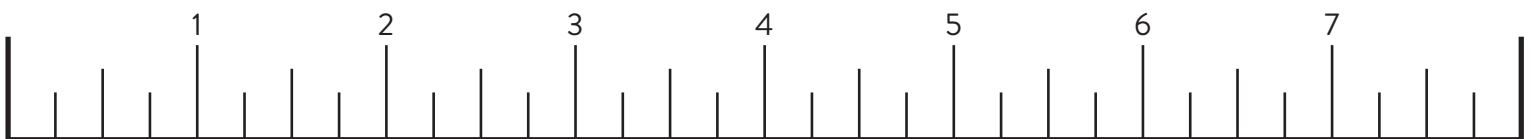
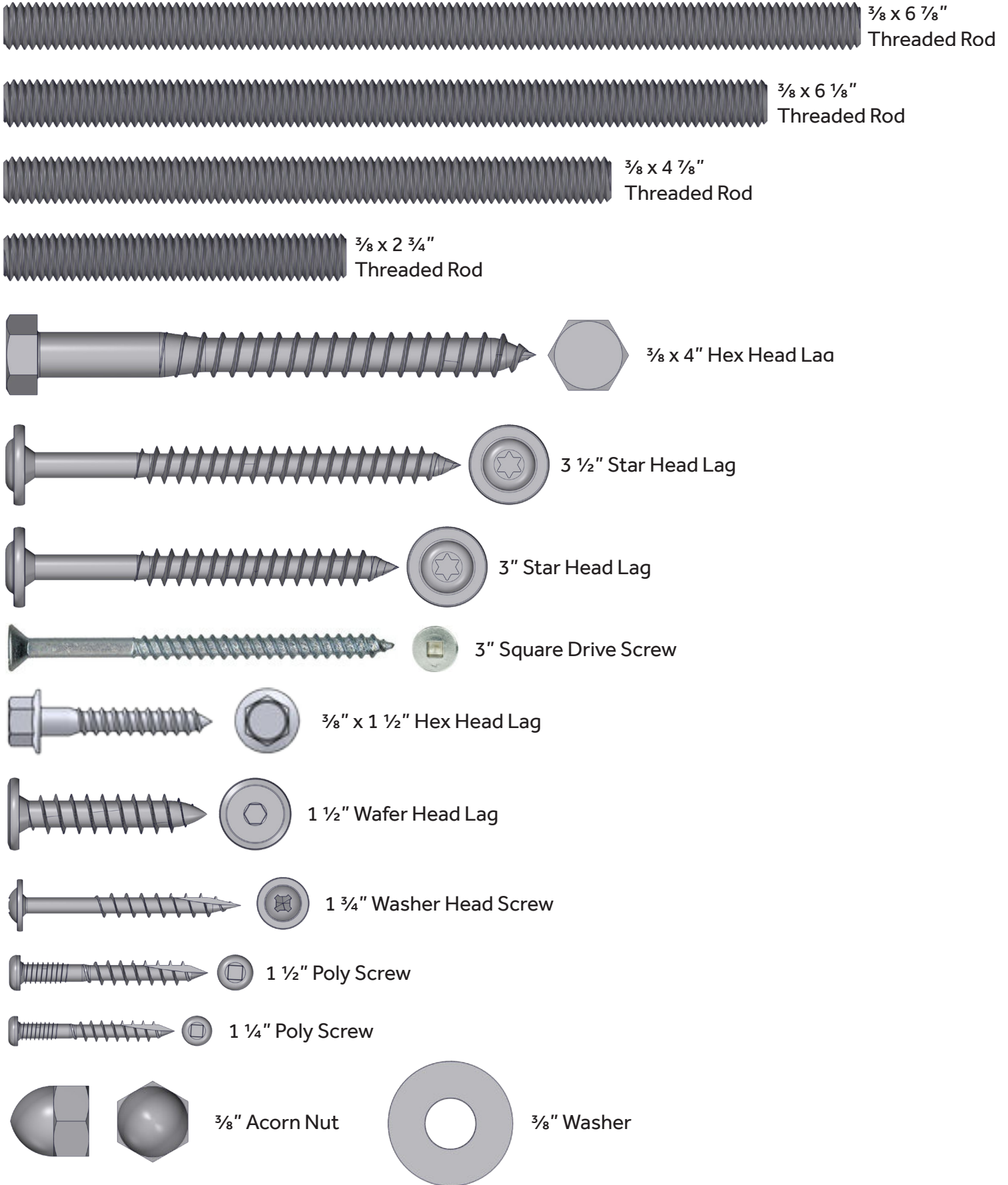
Swing Frame	
12' or 14" 2x6 Swing Beam	1
108" 4x4 End Post	1
93" 2x4 Ground Runner	1
87" 2x4 Braces	2
Beam Strap Bracket	1
Corner Bracket	1
End Bracket	1
Swing Bearings	

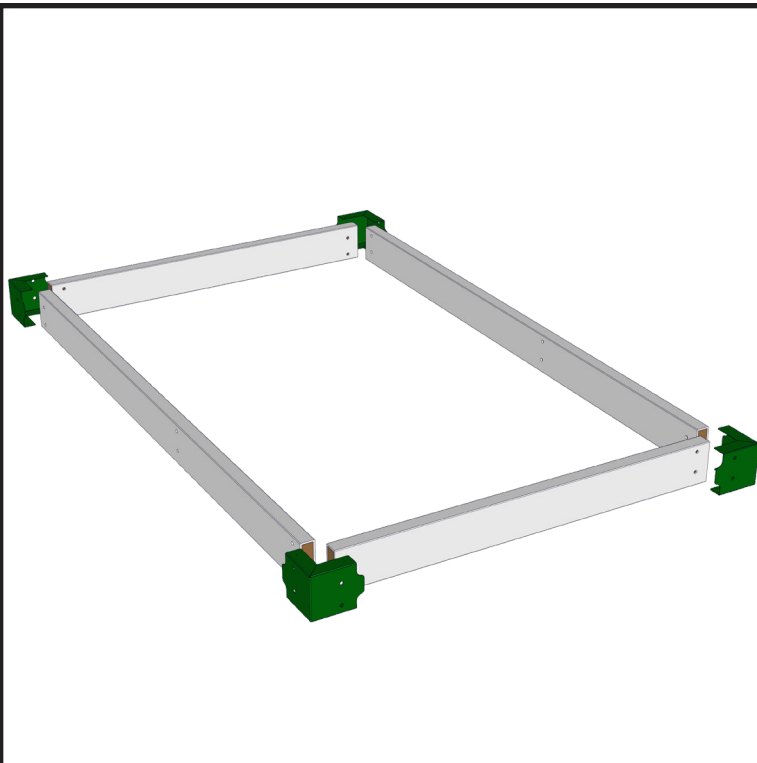
Tarp Roof	
61" 2x4	3
50" 2x4	4
16" 2x4	4
3 1/2" 2x4	2
Tarp Roof	1
2x4 Roof Brackets	4
2x4 Y Bracket	2

Gable/Pyramid Roof	
Plastic Roof	1
Mounting Brackets	4
Square Drive Screws	12
Hex Head Lags	4

Vinyl Roof	
Roof Panels	4
Roof Braces	4
Roof Cap	2
56" 2x4's	2
62" 2x4's	2
Poly Strips	4

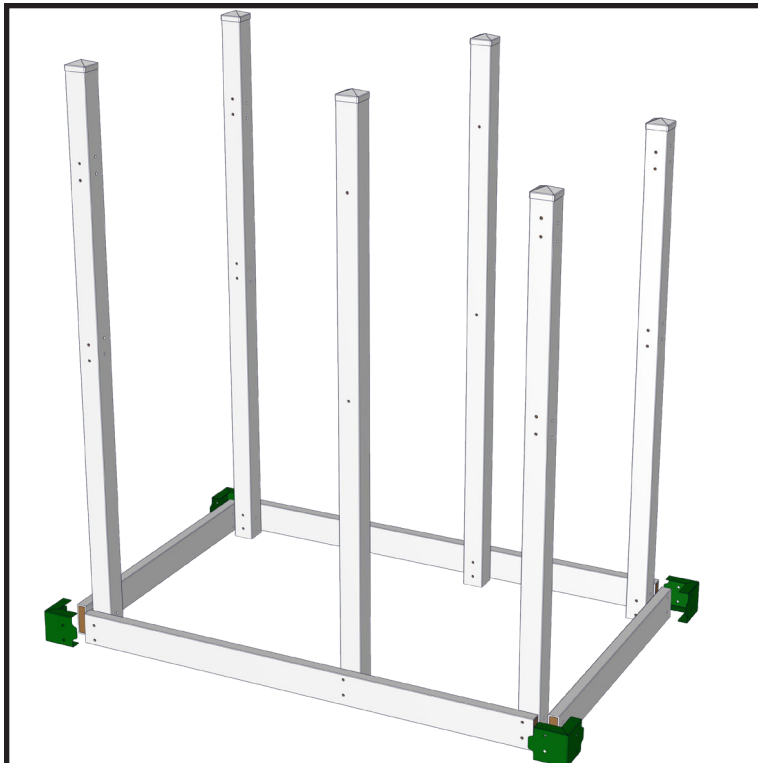
HARDWARE





Step 1.

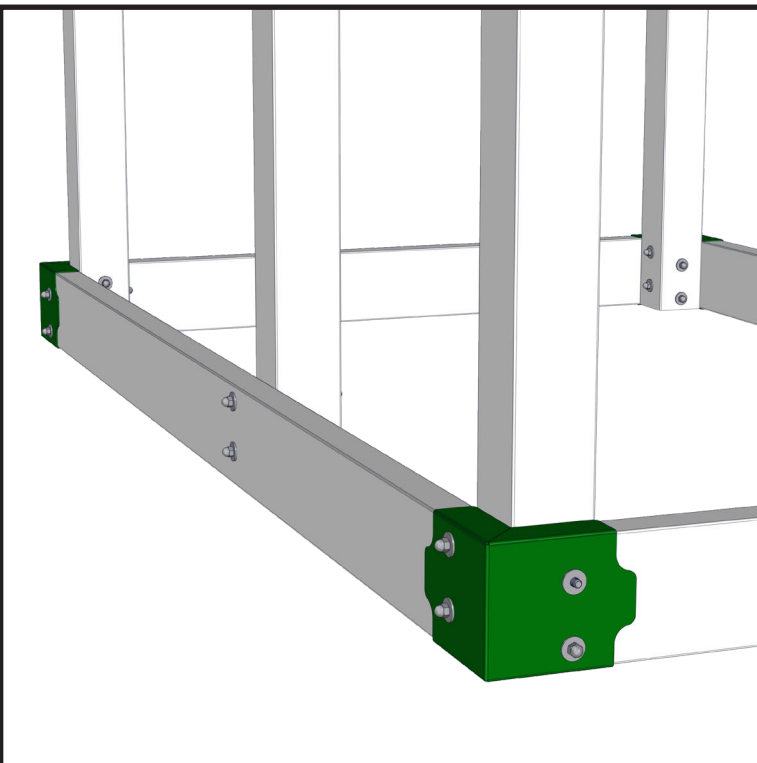
Begin the assembly by placing two 56" 2x6's and two 90" 2x6's in a square. Place a corner bracket at each corner. Notice how the holes in the 2x6's and the corner brackets are offset and need to be aligned correctly.



Step 2.

Place the 4x4 posts in place.

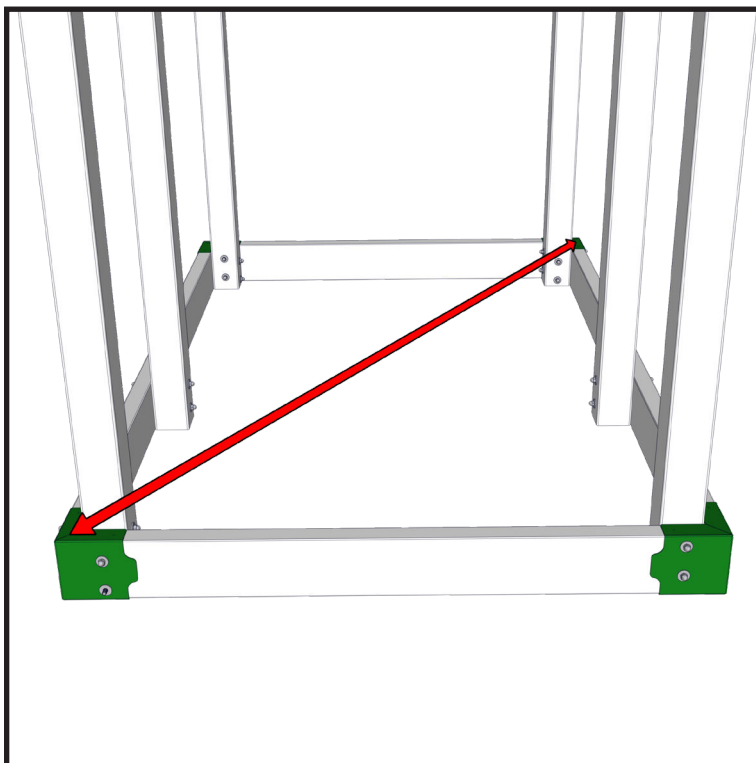
There are four 108" post for the back and two 96" posts for the front.



Step 3.

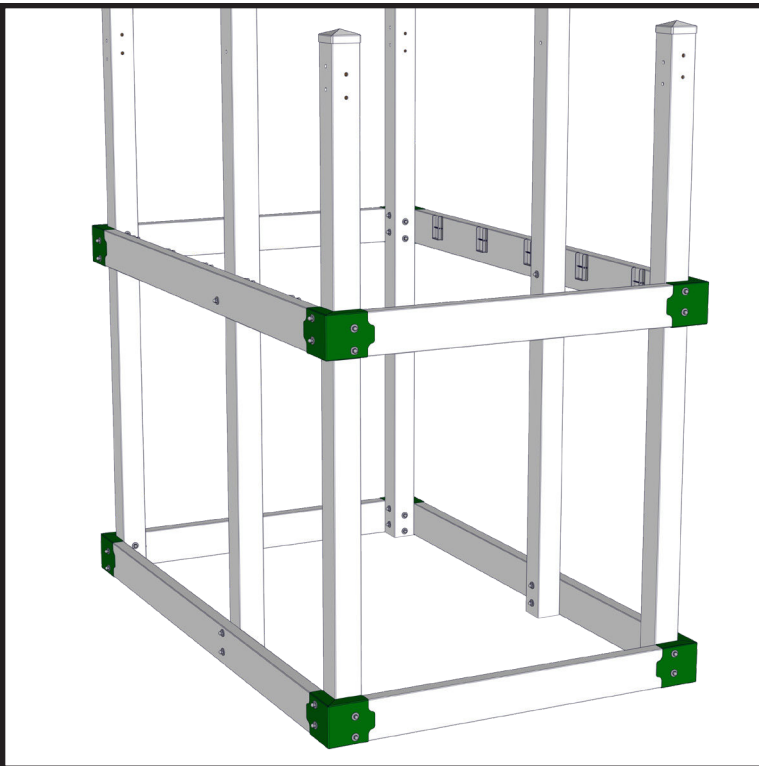
Fasten everything together using 6 $\frac{7}{8}$ " threaded rods with acorn nuts and washers.

Only finger tighten the nuts at this point.

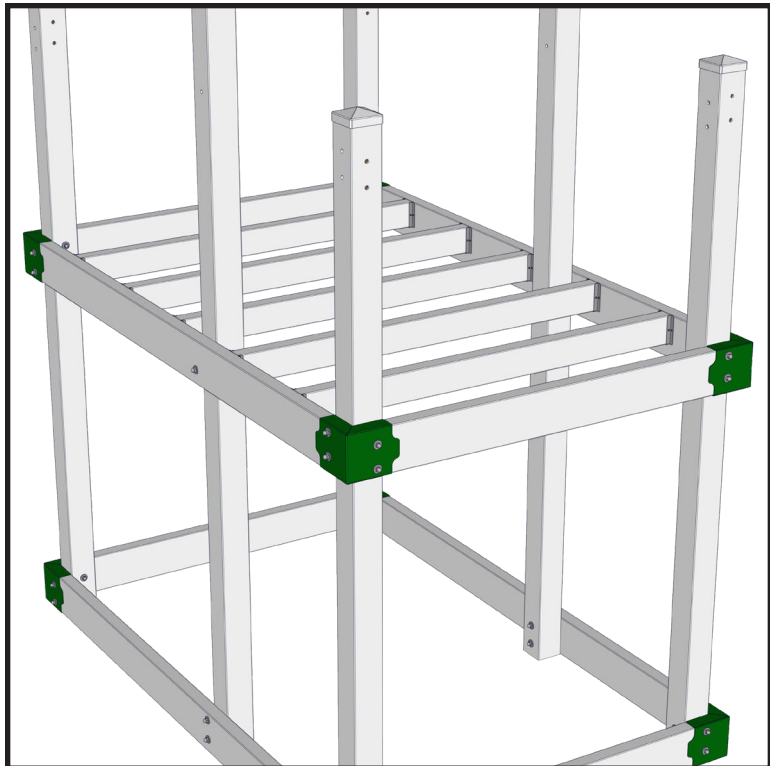


Step 4.

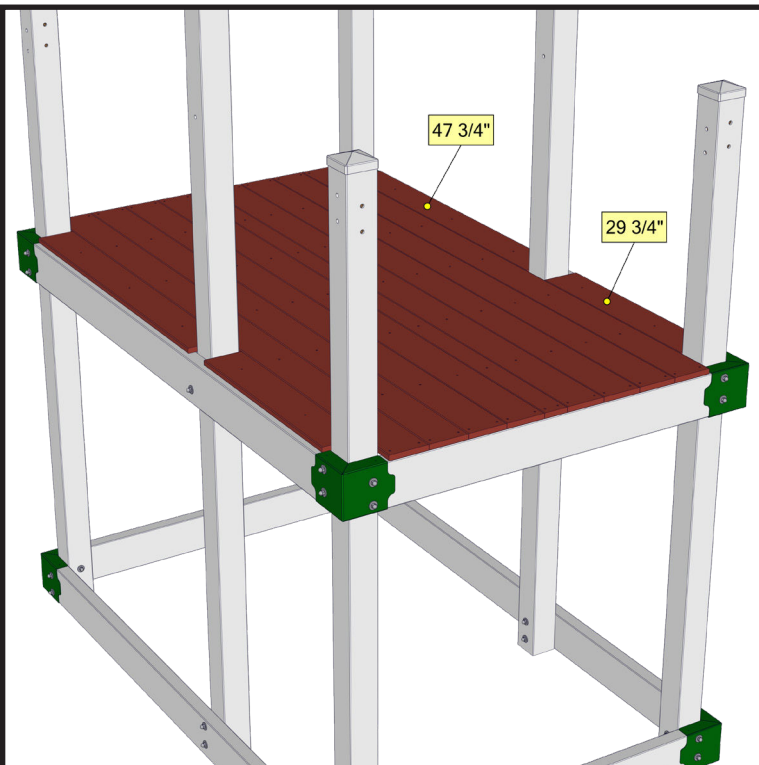
Measure across the corners to ensure the tower is square. Once the tower is square tighten all the nuts.



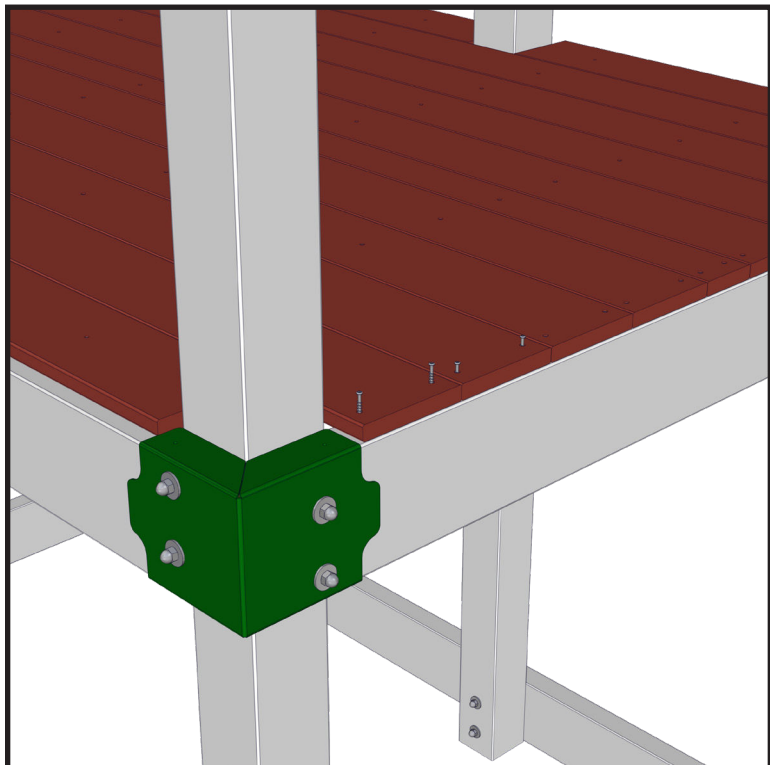
Step 5.
The floor of the tower is assembled the same as the bottom except these 90" 2x6's have joist hangers installed.



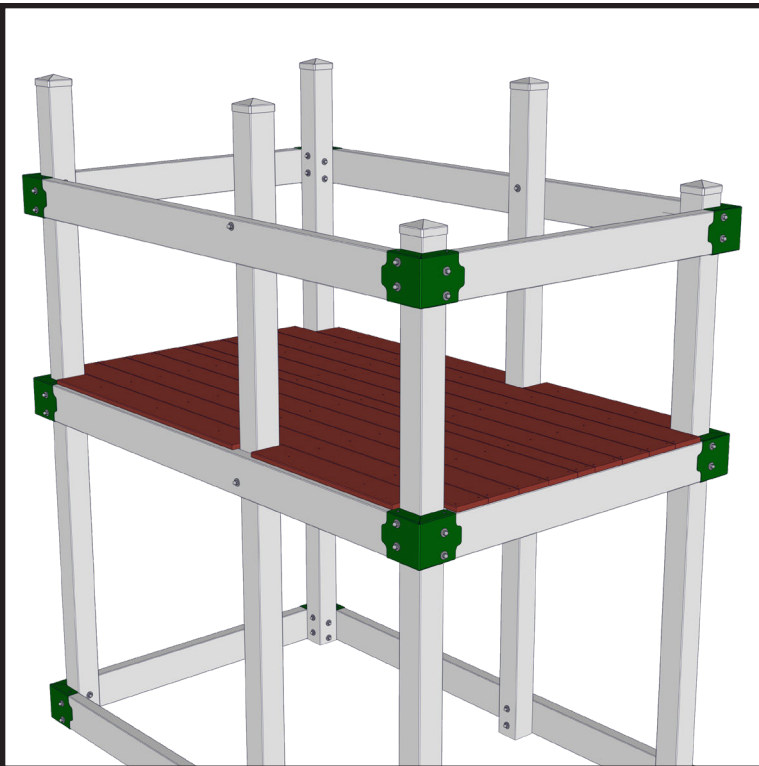
Step 6.
Locate the 56" 2x4 floor joists and place them in the joist hangers. Fasten them with 1 3/4" washer head screws.



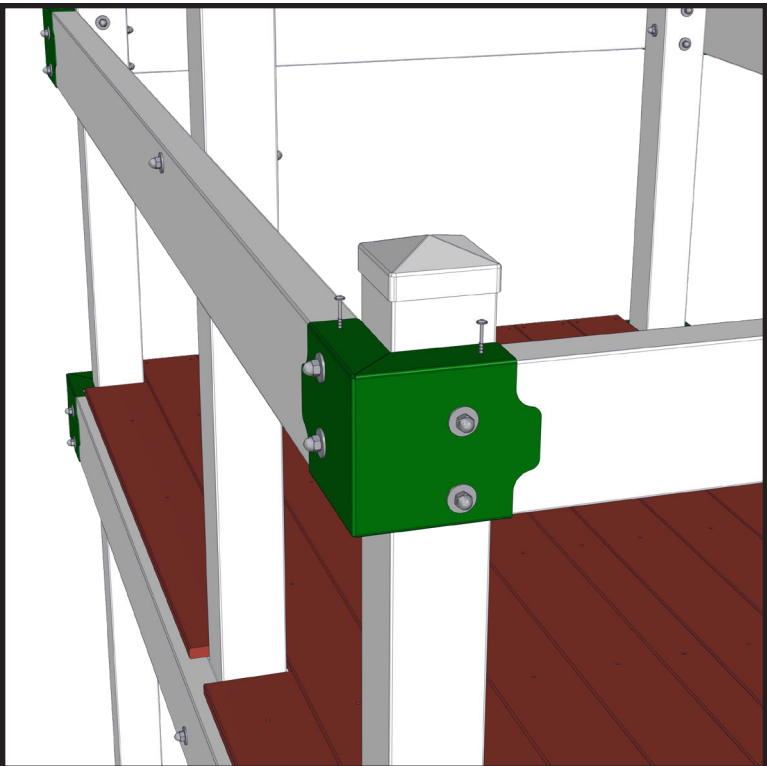
Step 7.
Lay the floor boards out and arrange them as shown. There is one narrow board for the center and 4 shorter boards for between the posts.



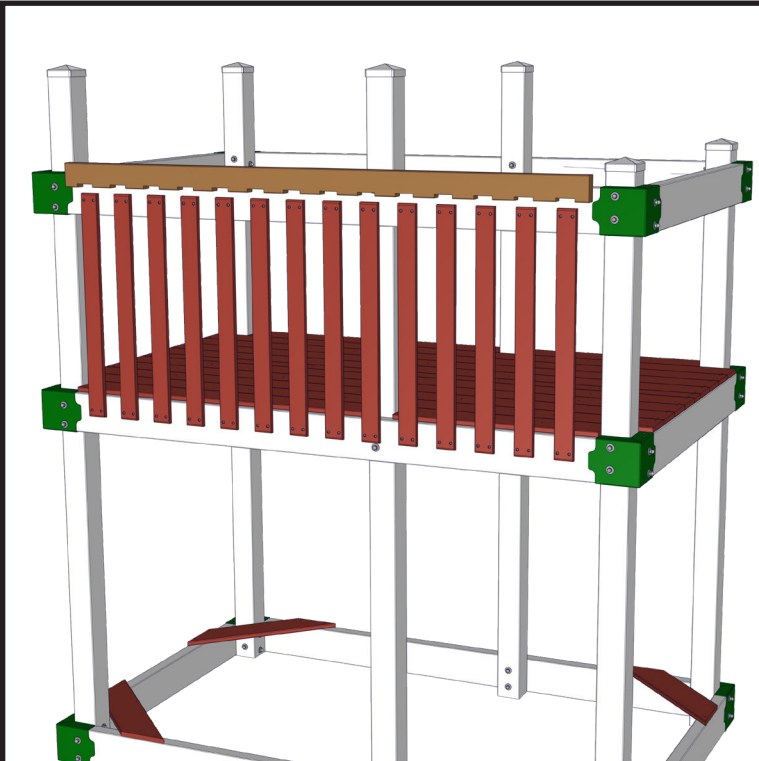
Step 8.
Fasten the boards using 1 1/2" poly screws. Use two screws to fasten each end and one for every joist.



Step 9.
Install the railing using the rest of the 56" and 90" 2x6's. These get fastened using the same corner brackets and 6 7/8" threaded rods.



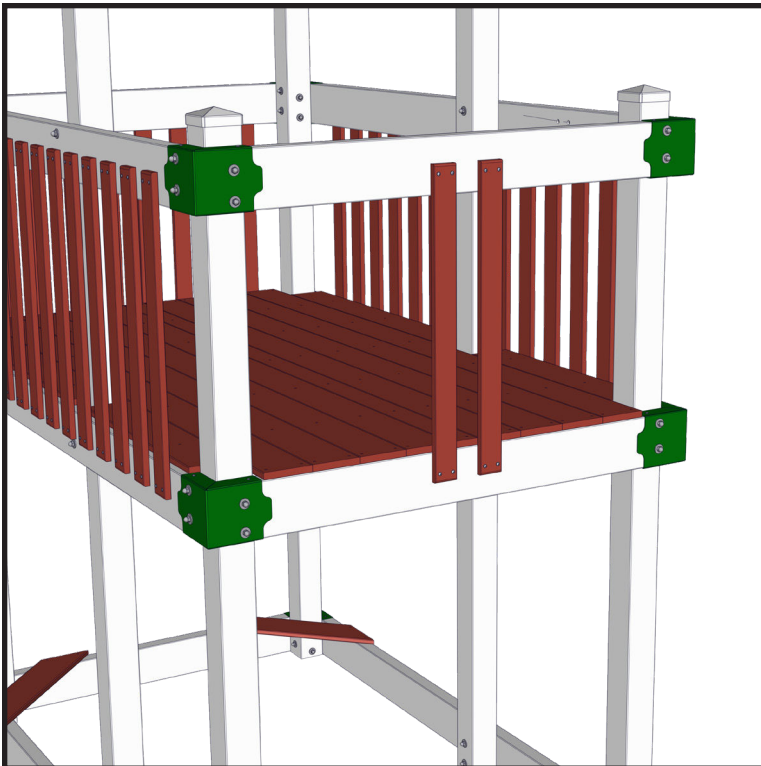
Step 10.
Fasten the top and bottom of all the 2x6 corner brackets using 1 3/4" washer head screws.



Step 11.
Start installing the poly slats using the 2x4 spacer to position them. Fasten them with 1 3/4" washer head screws.



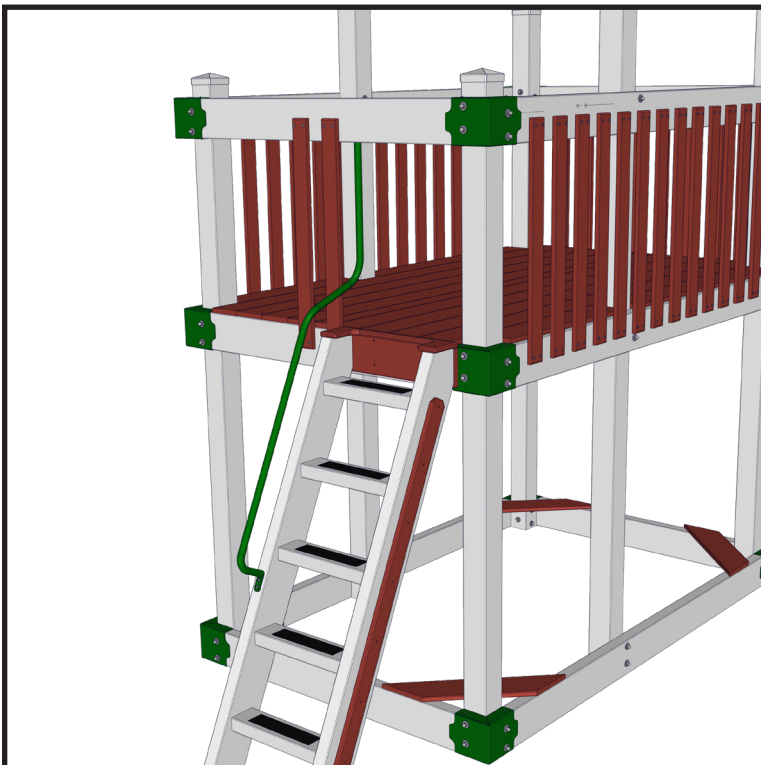
Step 12.
Repeat the last step for the other side and the back side.



Step 13.
The front side gets two slats in the center.



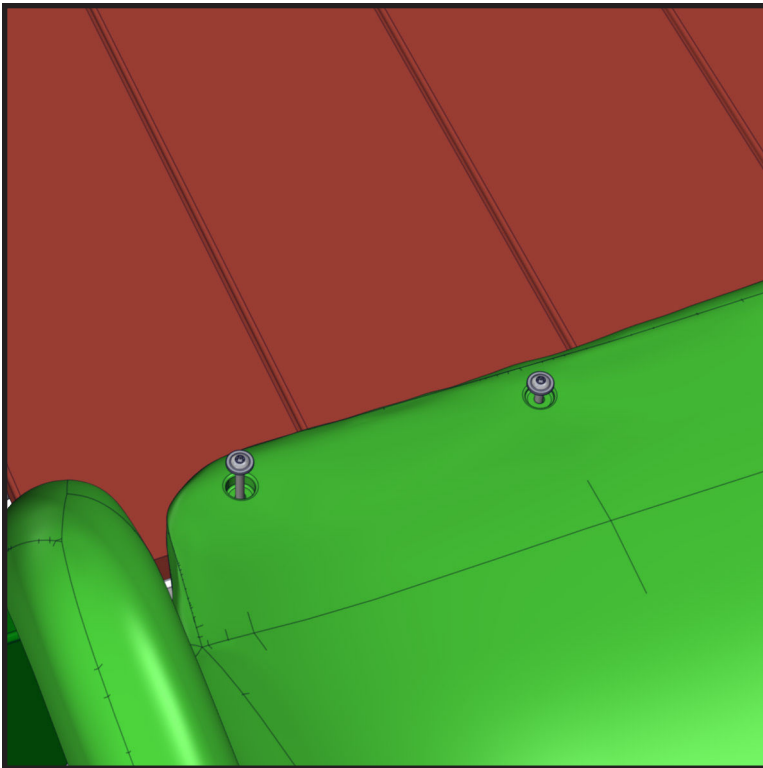
5ft Ladder
Place the ladder in position on the platform and fasten it with 1 ½" poly screws.



Ladder Handrail
Place the handrail on the ladder and fasten it to the ladder and 2x6 railing using 1 ½" wafer head lags.

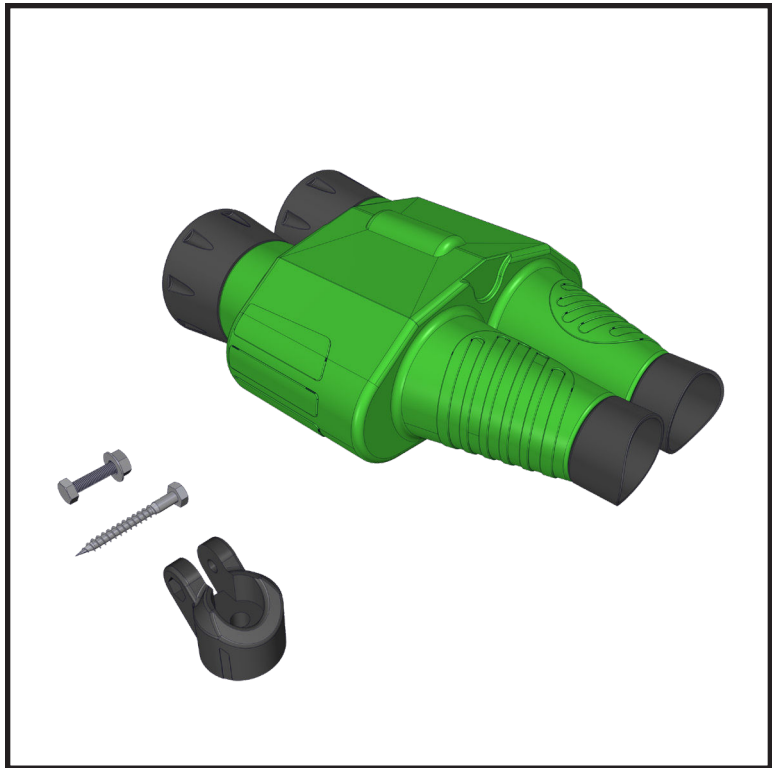


10ft Avalanche Slide
Place the 10ft slide in place on the platform.



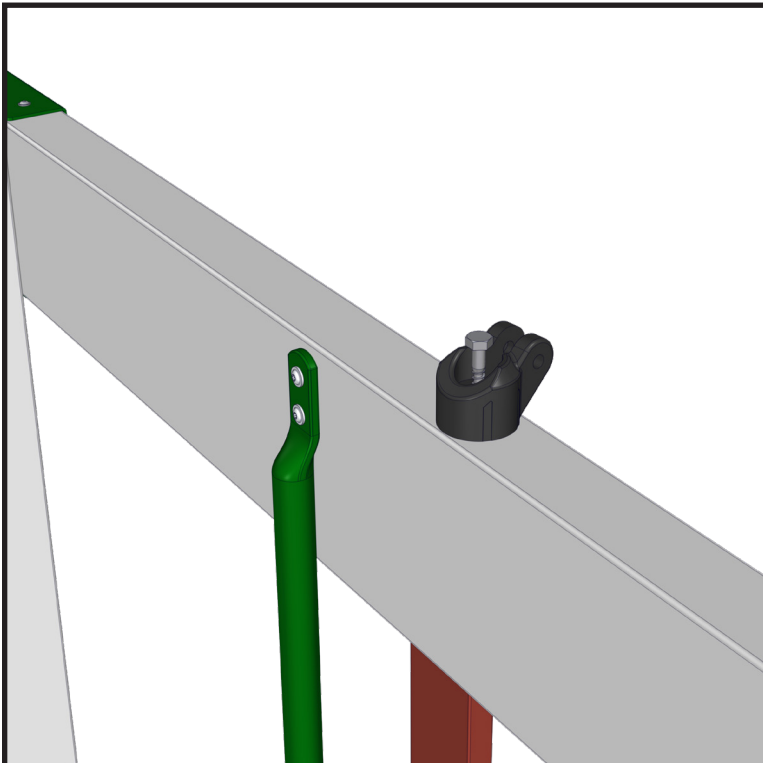
10ft Avalanche Slide

Fasten the slide with 1 ½" wafer head lags.
Make sure the lags go into the 2x6 below and not just into the floorboards.



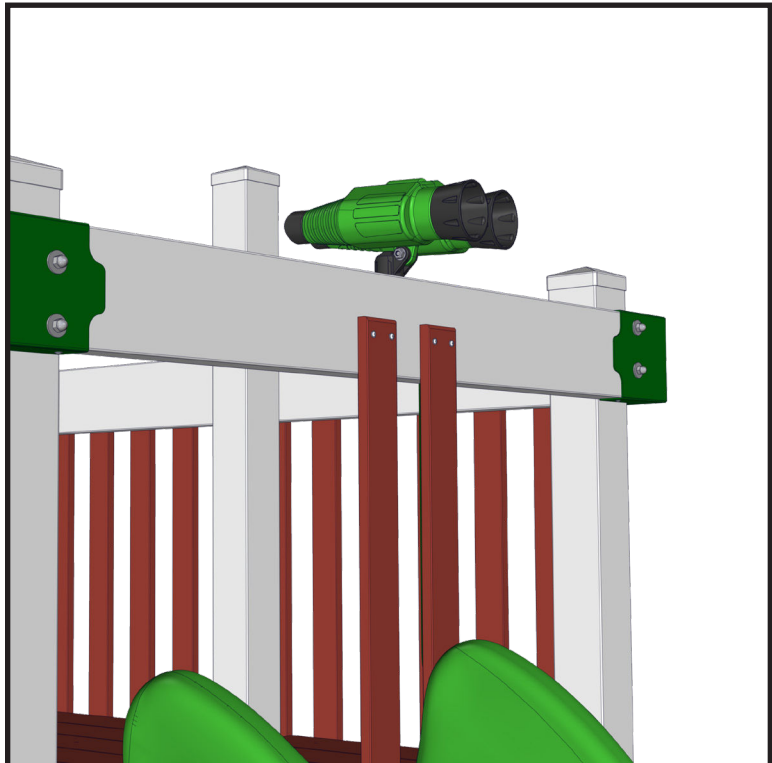
Binoculars

Locate the binoculars and all the parts.
It comes with a mounting base, a bolt and a lag.



Binoculars

Use the lag to mount the binocular base to the 2x6 railing.

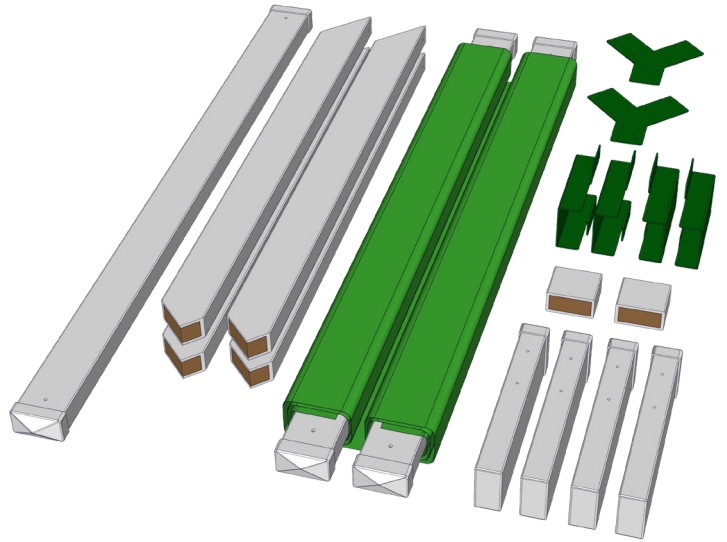
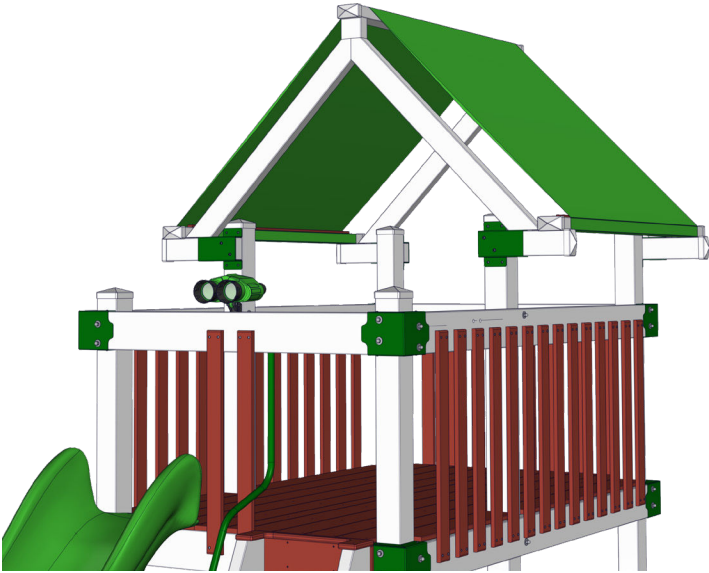


Binoculars

Attach the binoculars to the base using the bolt.

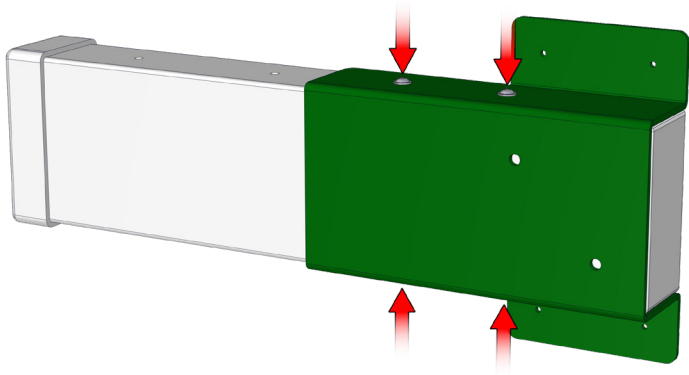
Tarp Roof Assembly

Follow these instructions if your playset has a tarp roof.



Step 1.

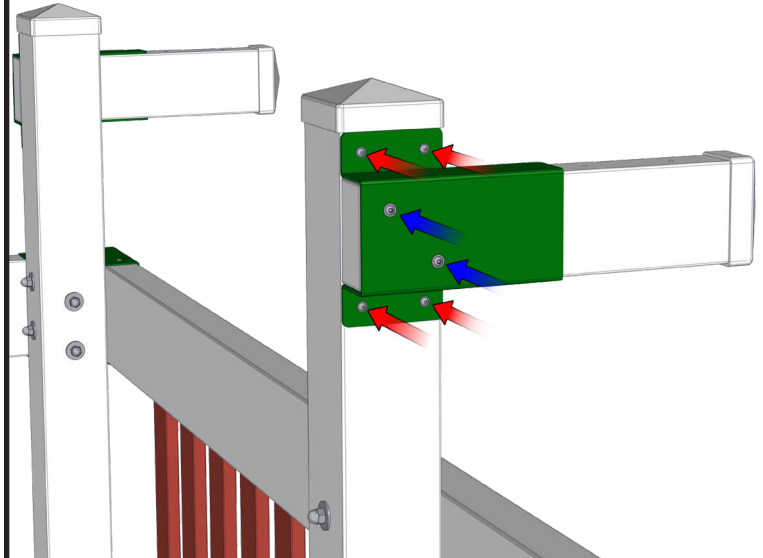
Locate all the parts for the tarp roof.



Step 2.

Place the 16" 2x4's in the 2x4 roof brackets as shown in the illustration.

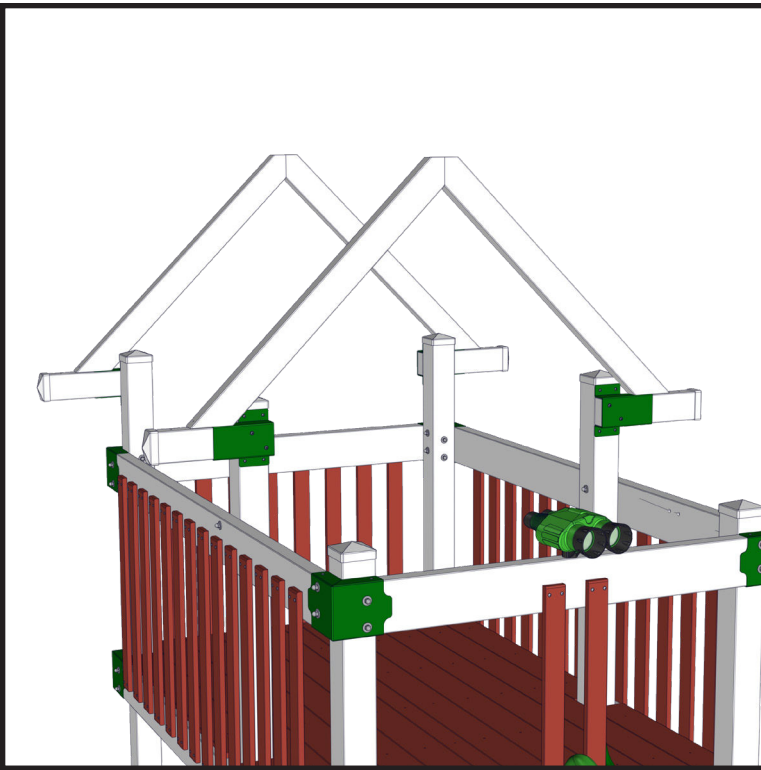
Fasten them with four 1 3/4" washer head screws.



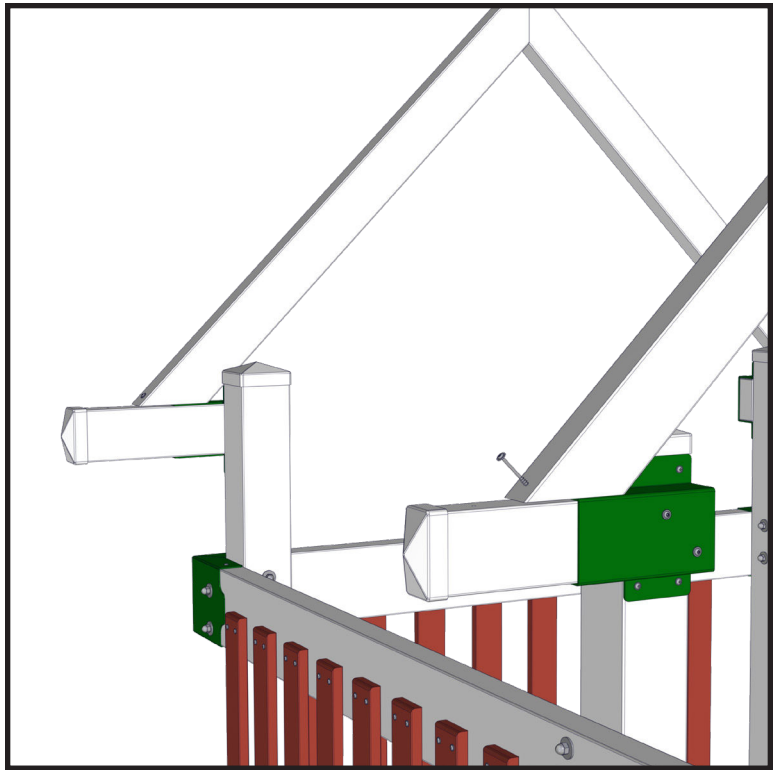
Step 3.

Place the 2x4's and roof brackets on the 4x4 posts with the 2x4's facing out.

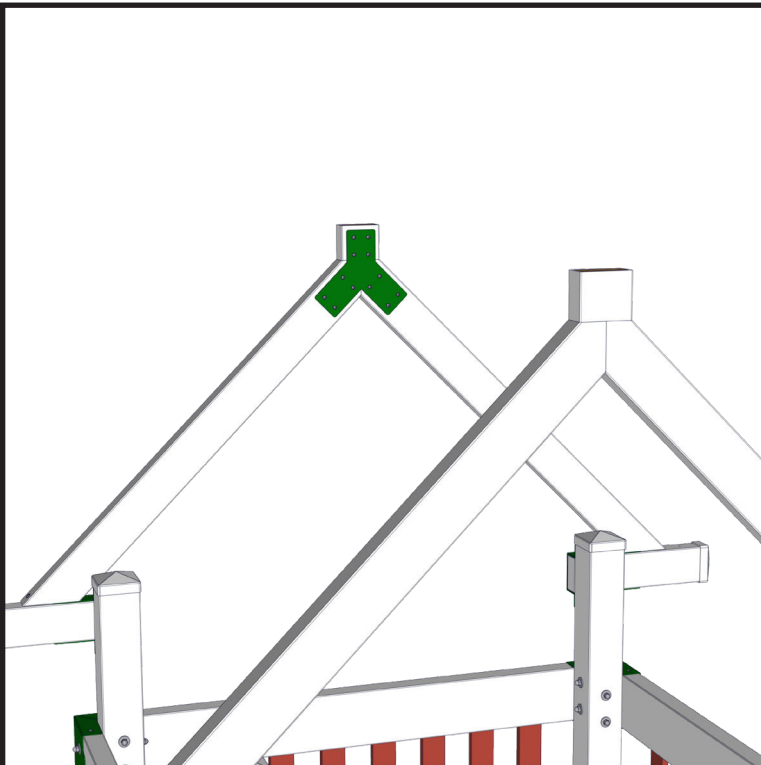
Keep them centered on the posts and up against the 4x4 end cap. Fasten the bracket to the post with **four 1 3/4" washer head screws** then fasten the 2x4 to the post using **two 3" star head lags**.



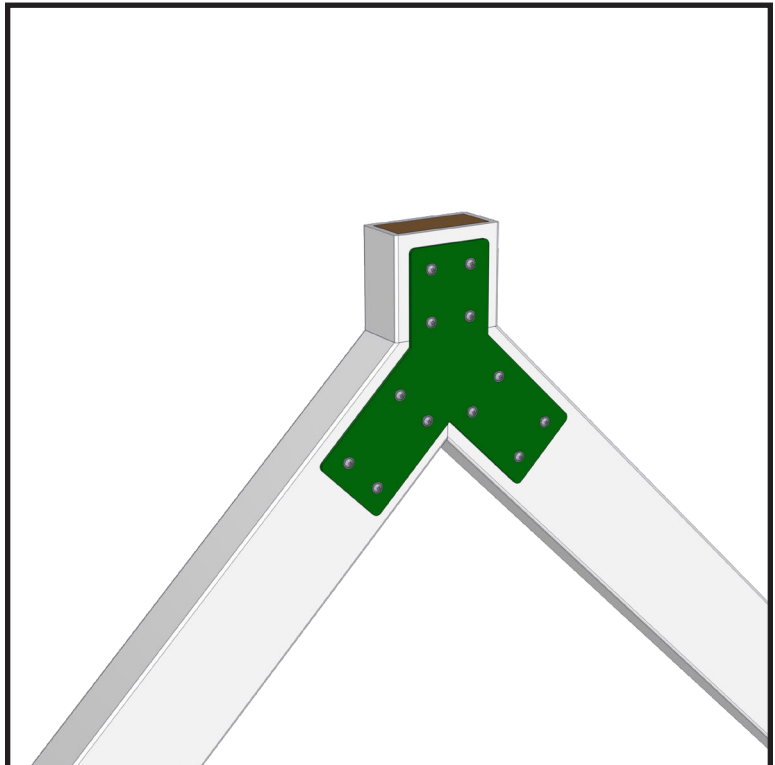
Step 4.
Locate the four 50" 2x4's and place them on the 16" 2x4's as shown.



Step 5.
Fasten the ends of the 50" 2x4's with 3 1/2" star head lags.



Step 6.
Locate the 3 1/2" 2x4's and the Y brackets and place them as shown.



Step 7.
Fasten the Y brackets with 1 3/4" washer head screws.



Step 8.

Place one of the 61" 2x4's on top and fasten it with 3 ½" star head lags.



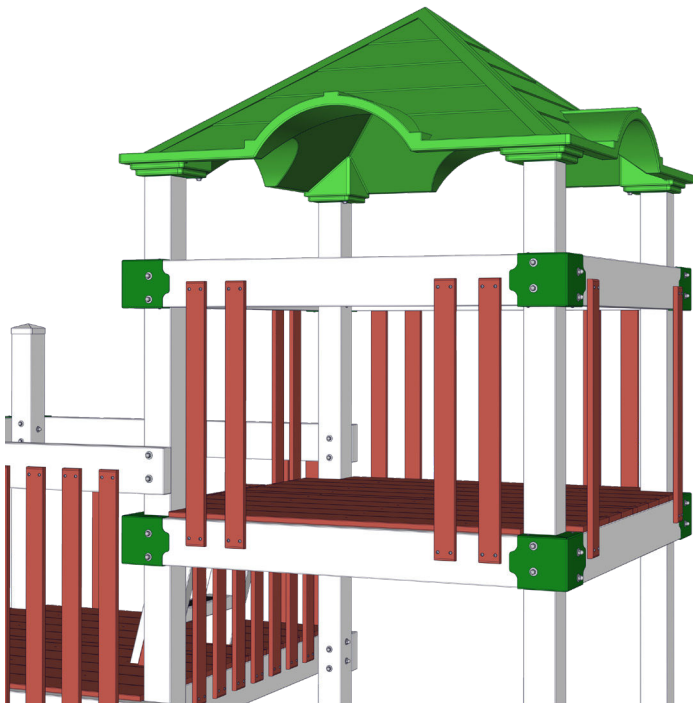
Step 9.

Place the tarp roof in position as shown.

Fasten one 61" 2x4 to the 16" 2x4's using 3 ½" star head lags then stretch the tarp out and fasten the other 2x4.

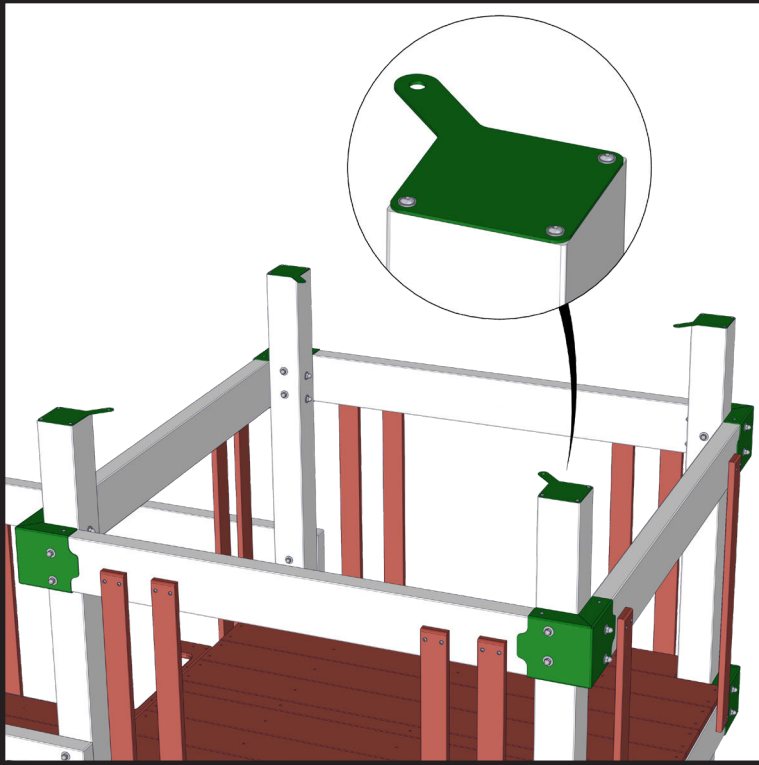
Gable & Pyramid Roof

Follow these instructions if your playset has a gable or pyramid roof.

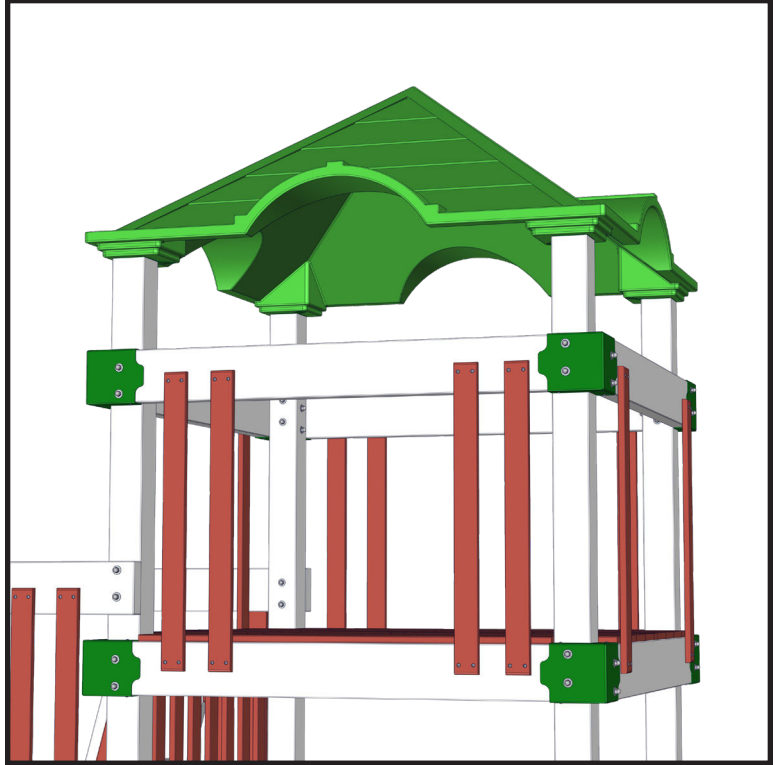


Step 1.

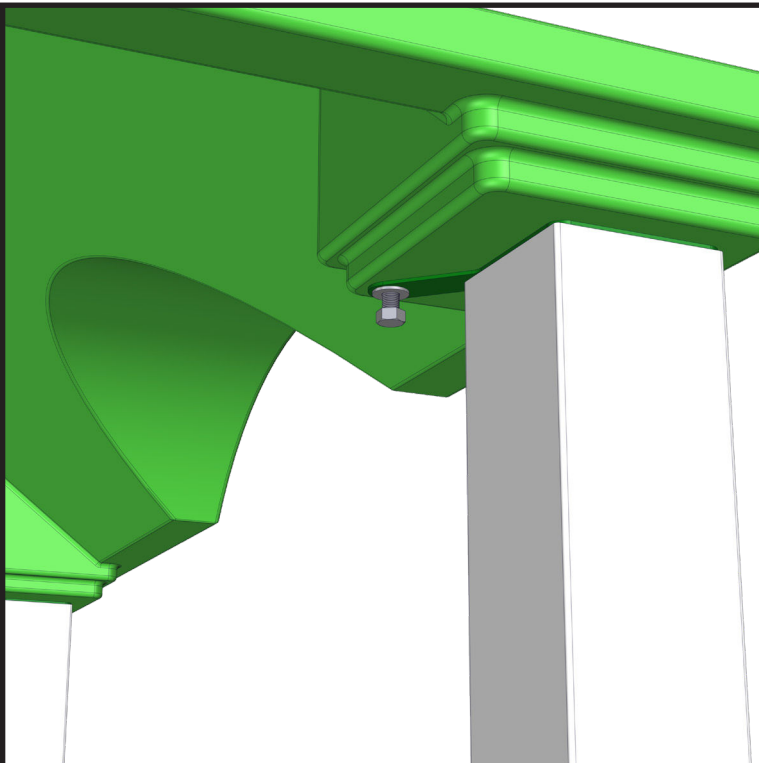
The installation is the same for both the gable and pyramid roof. The roof comes with four mounting brackets and all the necessary hardware.



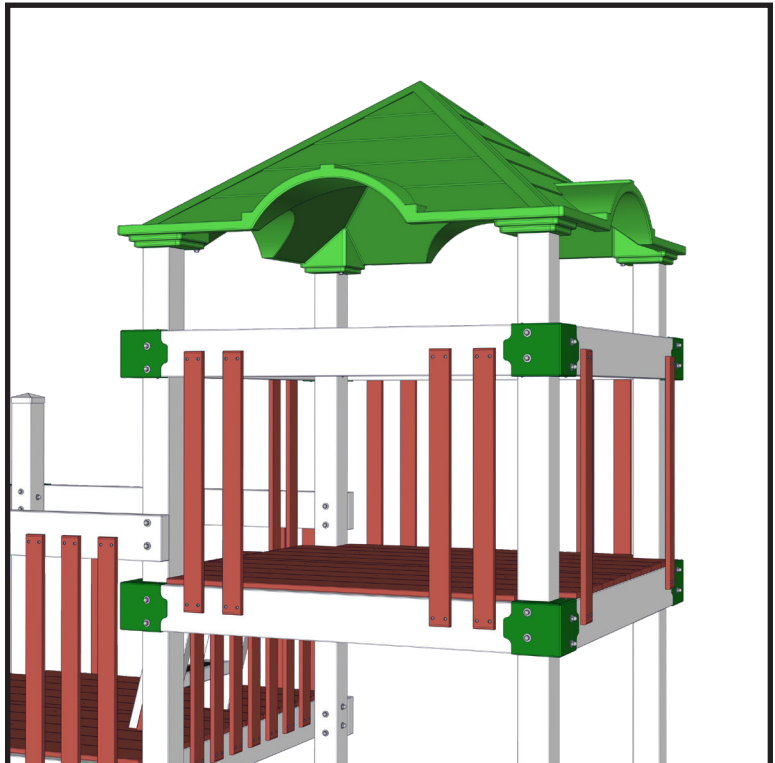
Step 2.
Place the mounting brackets on top of the 4x4 posts with the tabs facing in. Fasten the brackets using three 3" square drive screws per bracket.



Step 3.
Place the roof on top of the brackets and center it both ways.



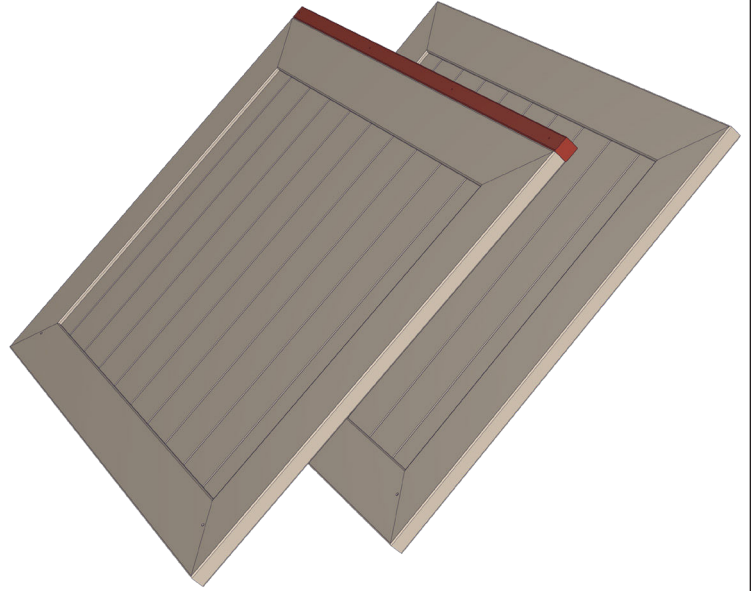
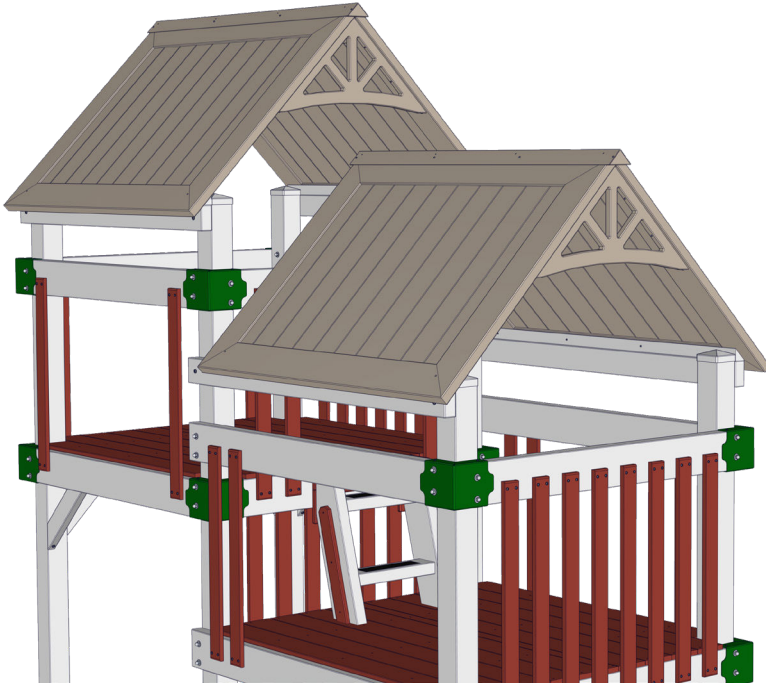
Step 4.
Fasten the roof to the bracket using 1 1/2" hex head lags.



Finished Roof

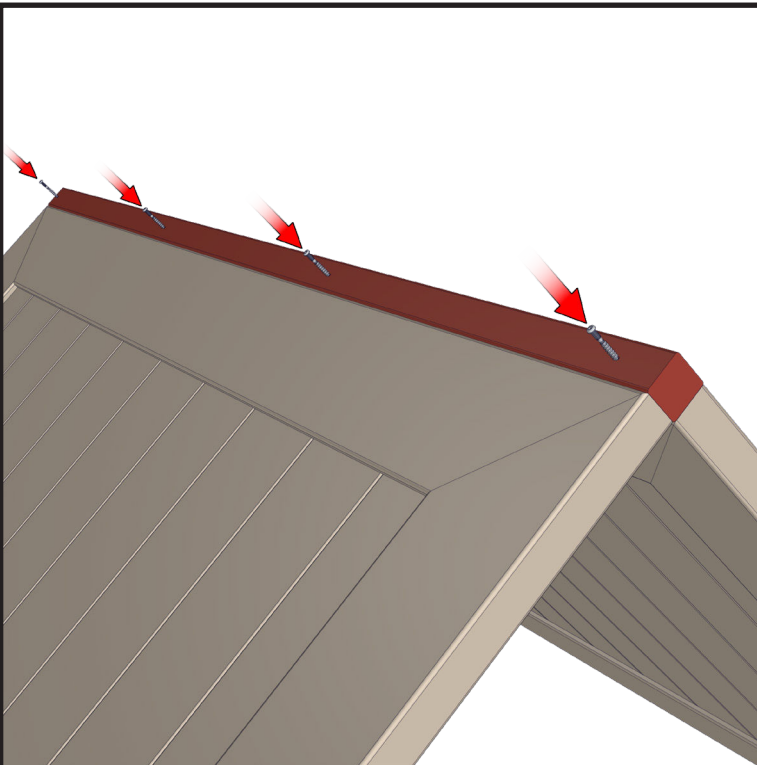
Vinyl Roof Assembly

Follow these instructions if your playset has a vinyl roof.



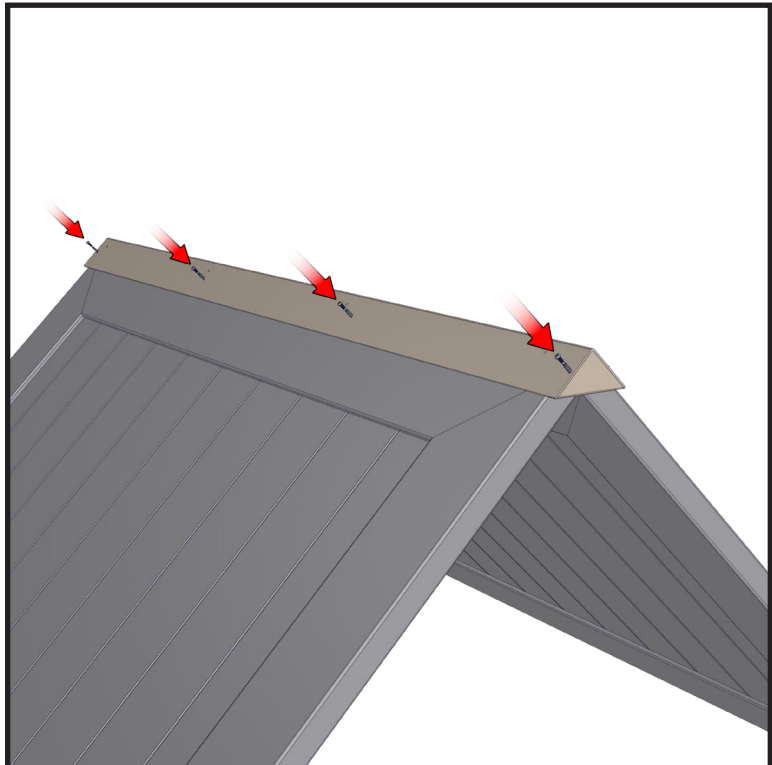
Step 1.

Locate the two roof panels to begin the assembly. Notice how one roof panel has a poly strip on top.



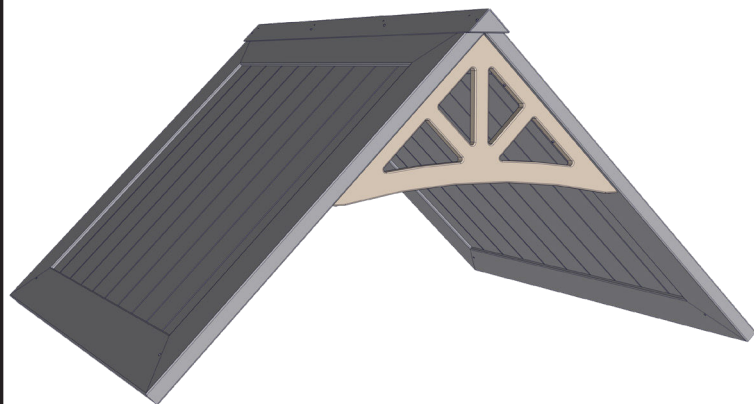
Step 2.

Place the two roof panels together as shown in the illustration then fasten them together using 3" wood screws.



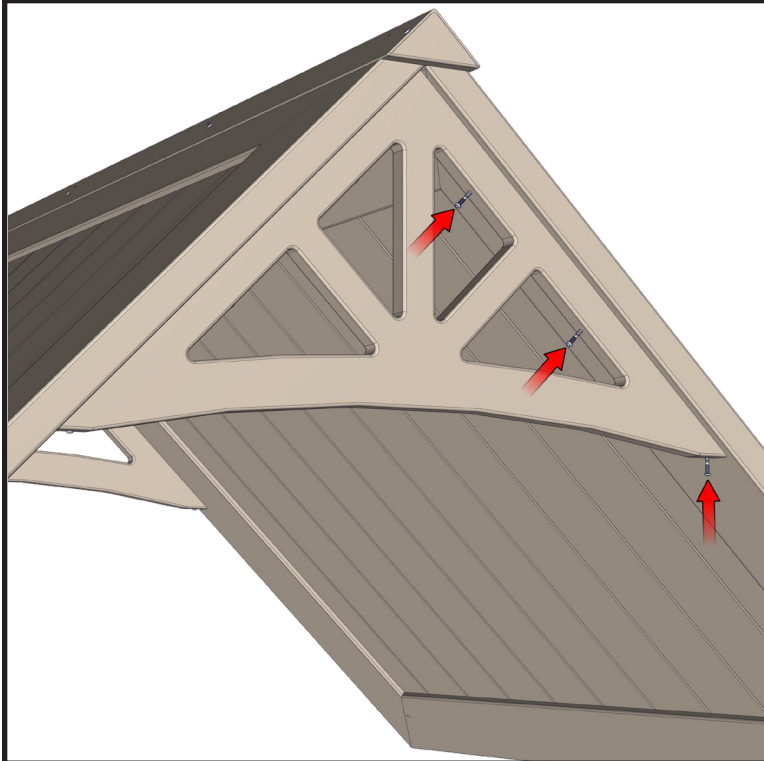
Step 3.

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



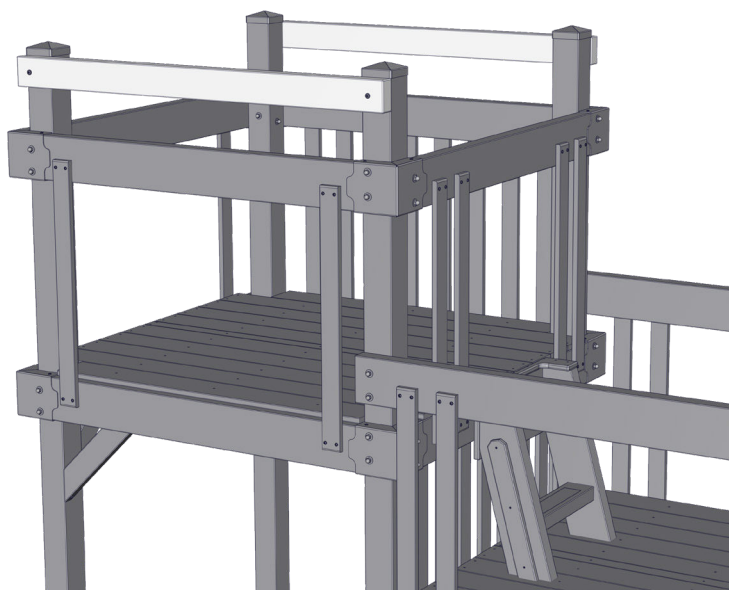
Step 4.

Locate the two roof braces and place one at each end of the roof.



Step 5.

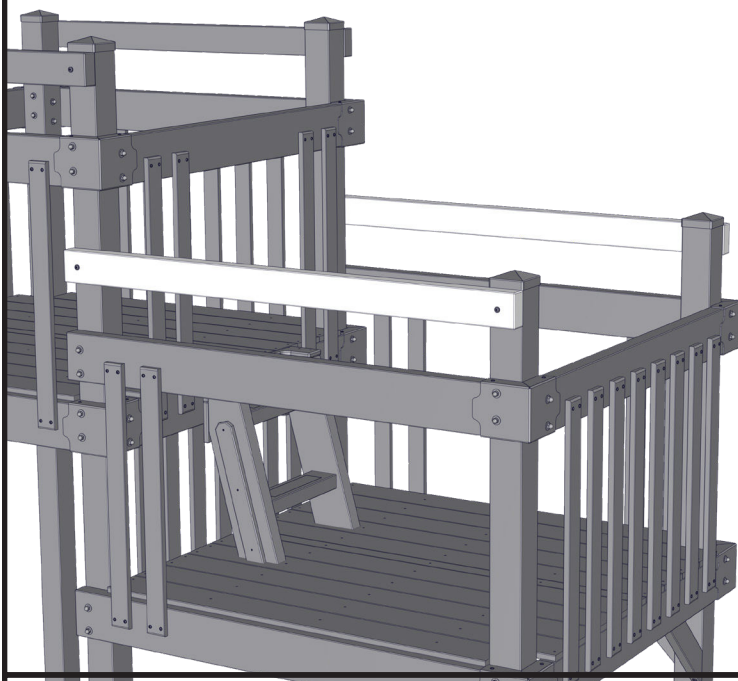
Fasten the roof braces to the roof panels using 2" poly screws.



Step 6.

Place a 56" 2x4 on each side of the upper tower and fasten them with 3 1/2" star head lags.

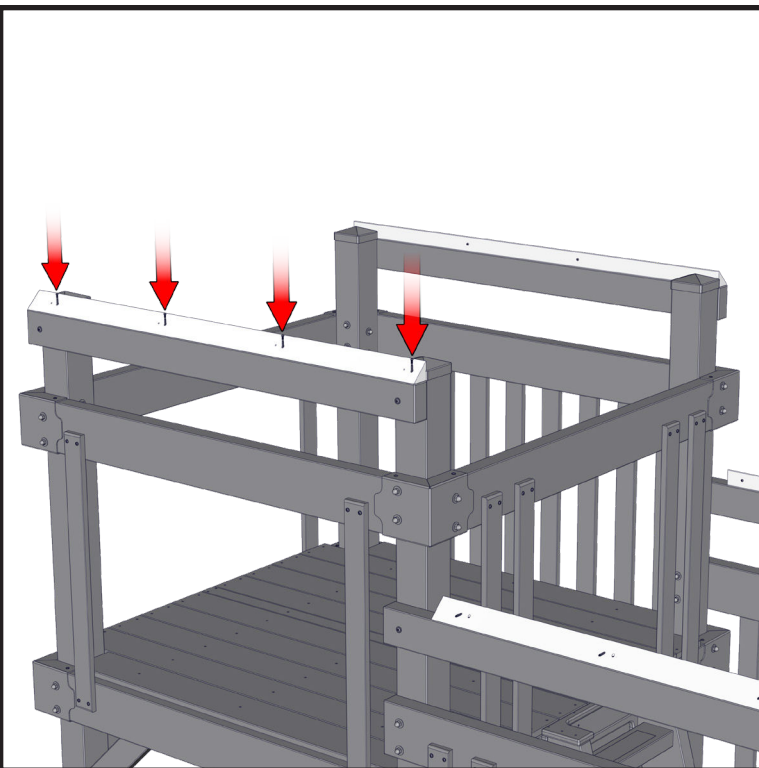
Make sure they are centered between the posts and up against the end caps.



Step 7.

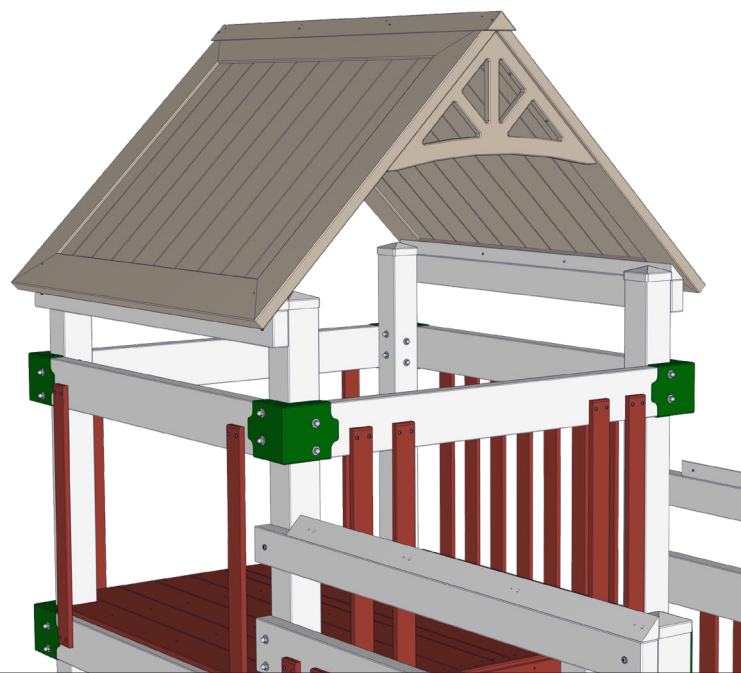
Place a 62" 2x4 on each side of the lower tower and fasten them with 3 1/2" star head lags.

Make sure they are centered between the posts and up against the end caps.



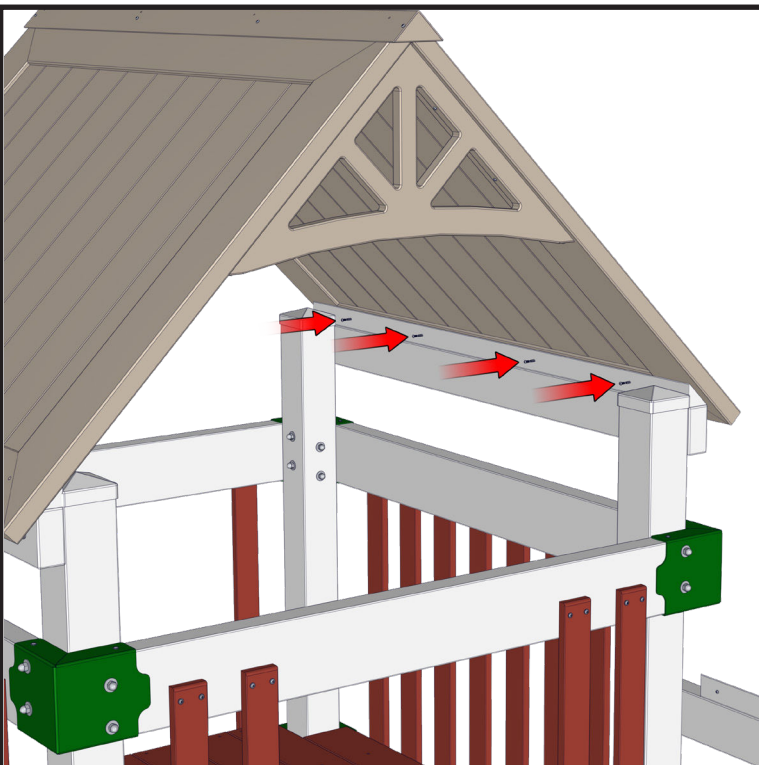
Step 8.

Locate four poly strips cut at an angle.
Place one on each 2x4 with the angled side facing out as shown above.
Fasten them using 1 ½" poly screws through the pre-drilled holes.



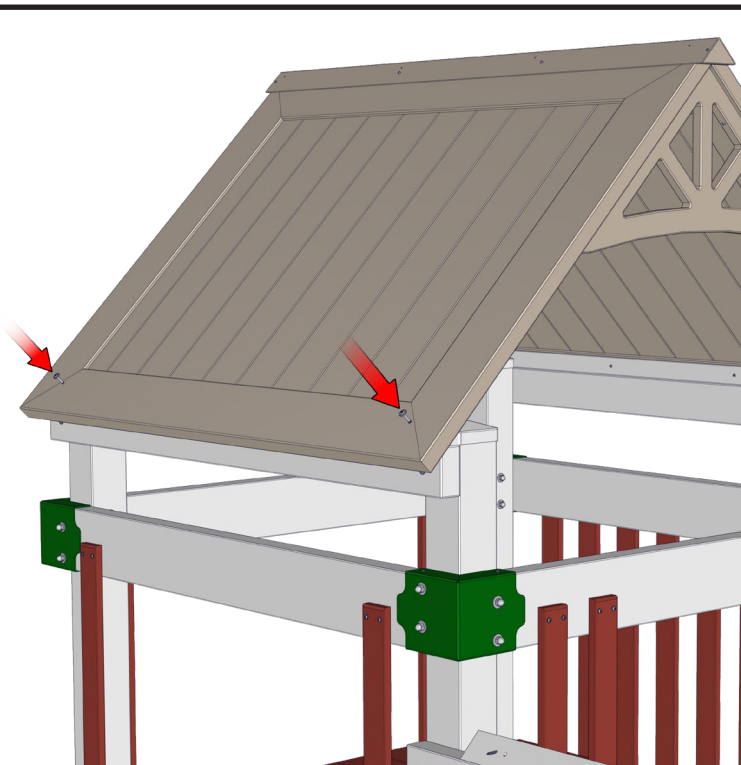
Step 9.

Place the assembled vinyl roof on the tower and center it between the 4x4 posts.



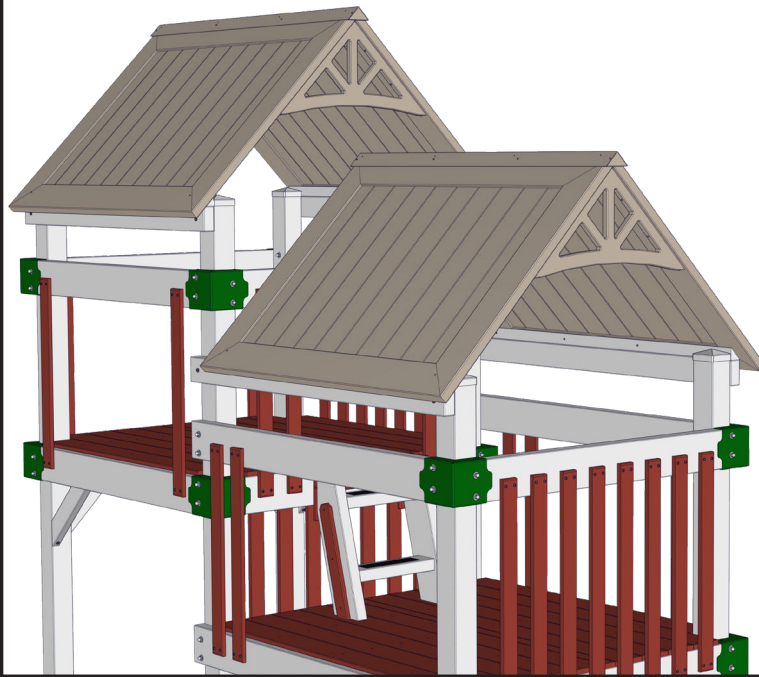
Step 10.

Fasten the vinyl roof using 1 ½" poly screws through the pre-drilled holes in the poly strips.

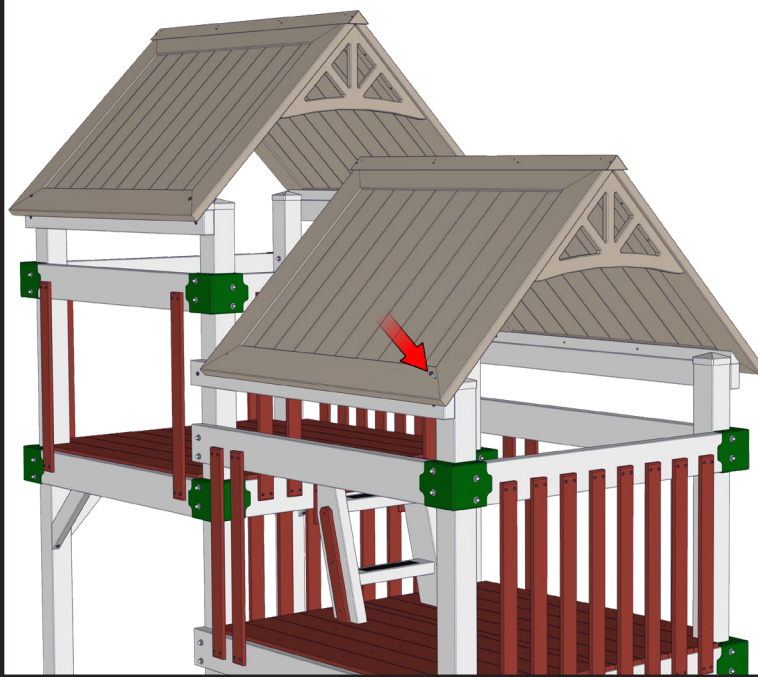


Step 11.

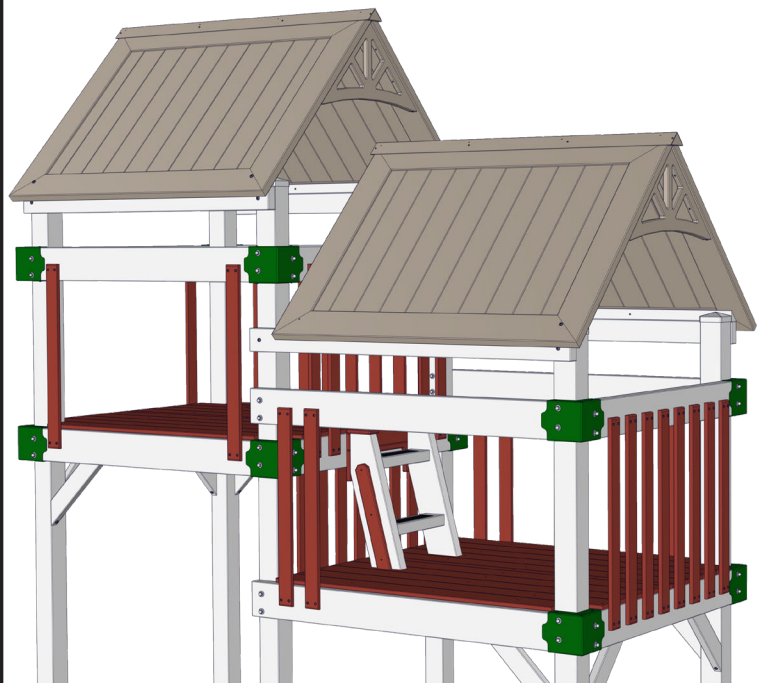
Finish fastening the roof using four 3 ½" star head lags through the pre-drilled holes at each corner of the roof.



Step 12.
Place the other assembled vinyl roof on the lower tower and position it back against the upper tower. Fasten it the same way as the previous roof.



Step 13.
The lower roof gets only two 3 1/2" star head lags through the two end corners.



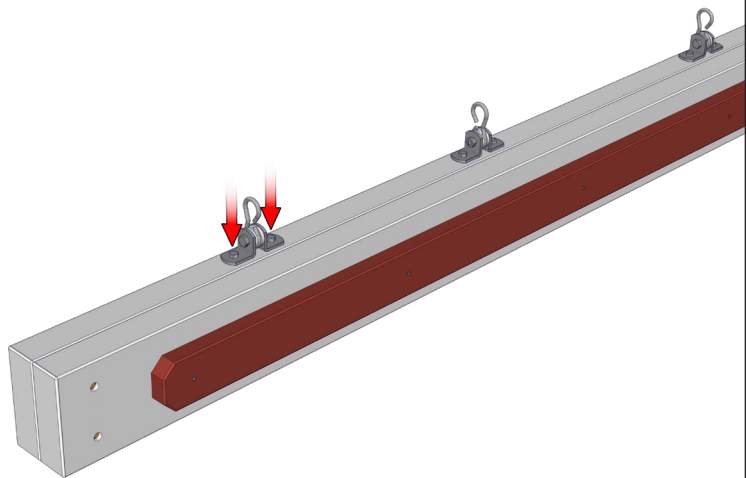
Finished Roof

Swing Frame Assembly



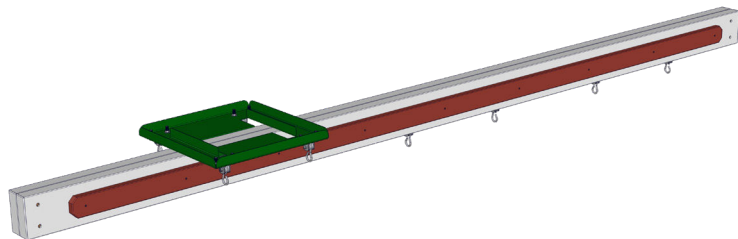
Step 1.

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.



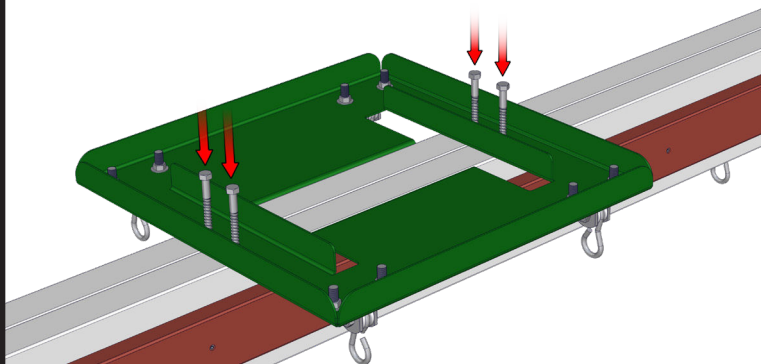
Step 2.

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



Step 3.

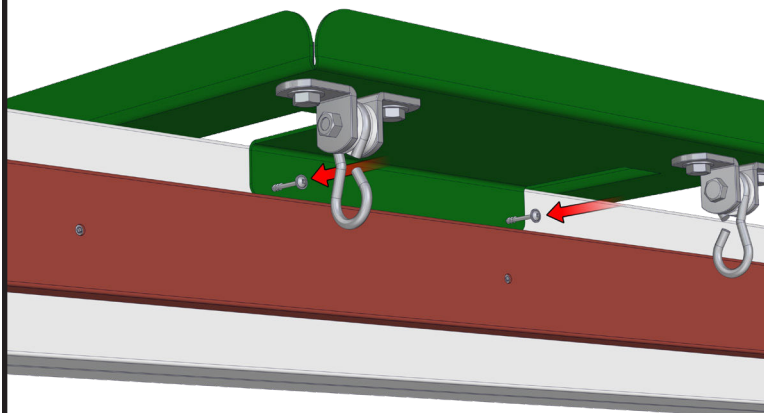
If your playset came with a glider, locate the glider bracket then place it on the swing beam as shown.



Step 4.

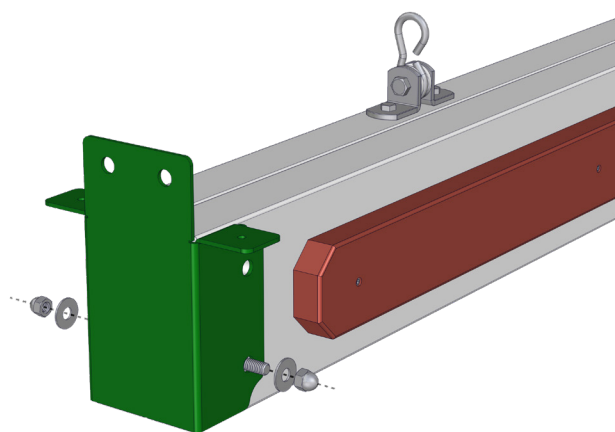
Once the bracket is in position drill four holes in the swing beam using a $\frac{1}{4}$ " drill bit.

Then use the included hex head lags to fasten the bracket to the beam.



Step 5.

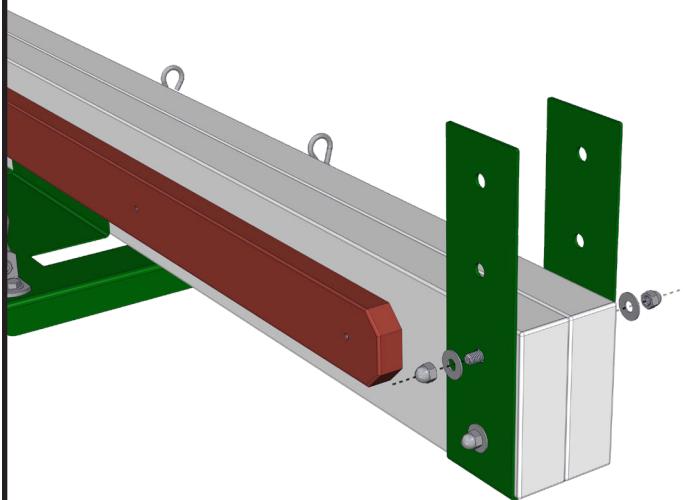
Fasten the side tabs to the beam using $1 \frac{3}{4}$ " washer head screws.



Step 6.

Locate the swing beam bracket and place it on the end of the swing beam.

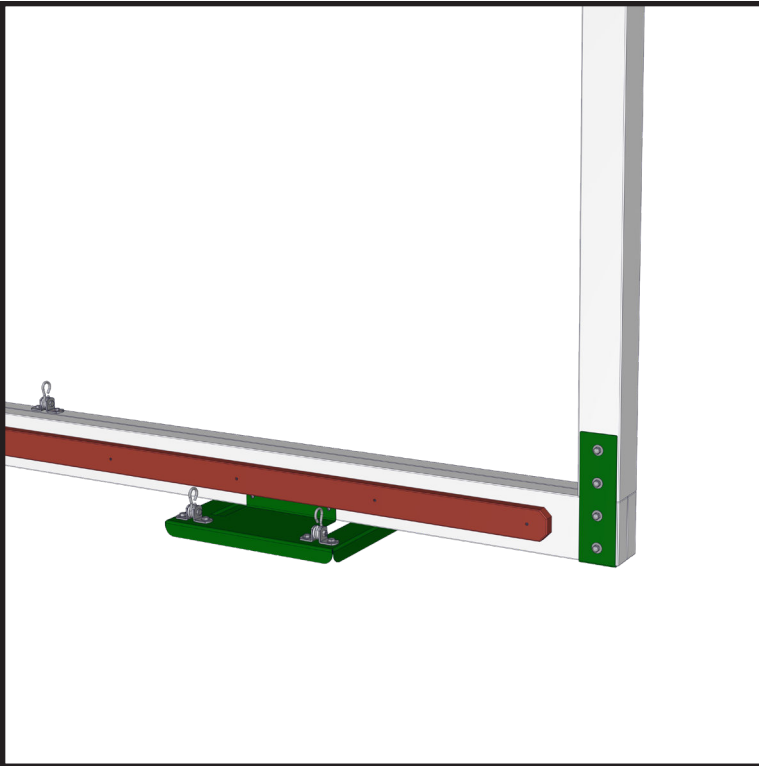
Fasten the bracket with $4 \frac{7}{8}$ " threaded rods.



Step 7.

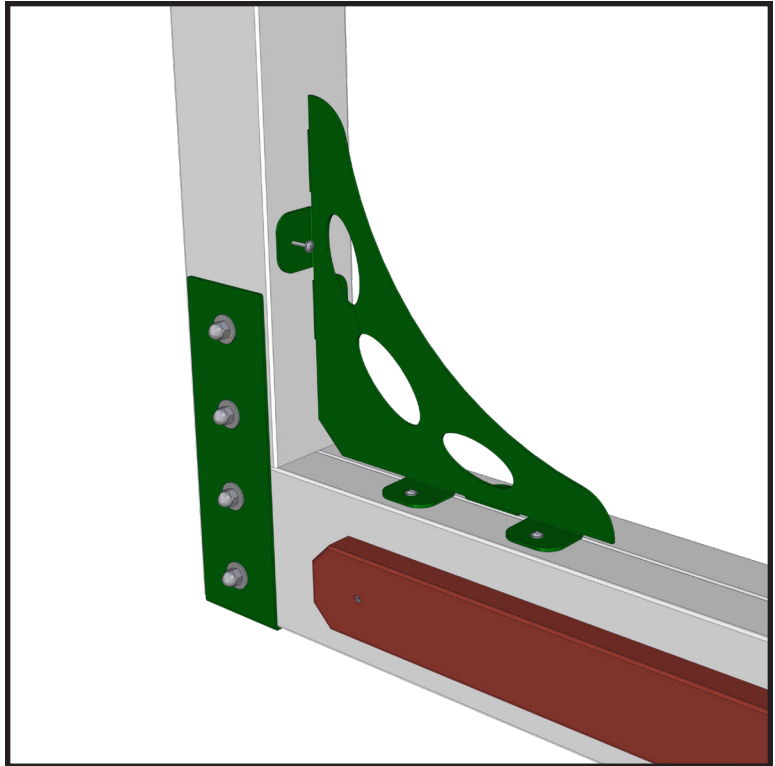
Install the beam strap on the other end of the beam using the same $4 \frac{7}{8}$ " threaded rods.

Only finger tighten the nuts at this point.



Step 8.

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



Step 9.

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

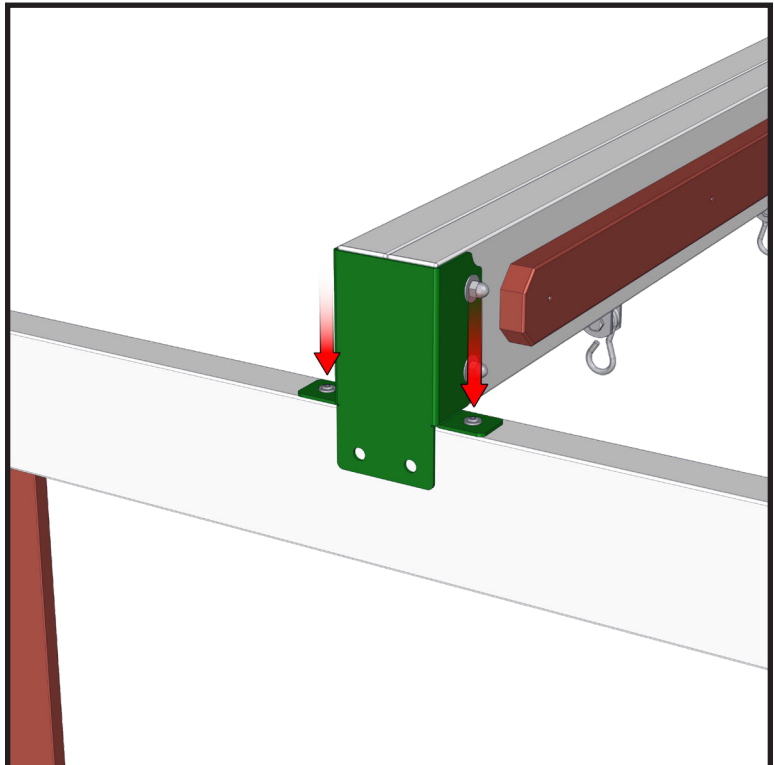


Step 10.

Lift the swing beam up into place on the tower.

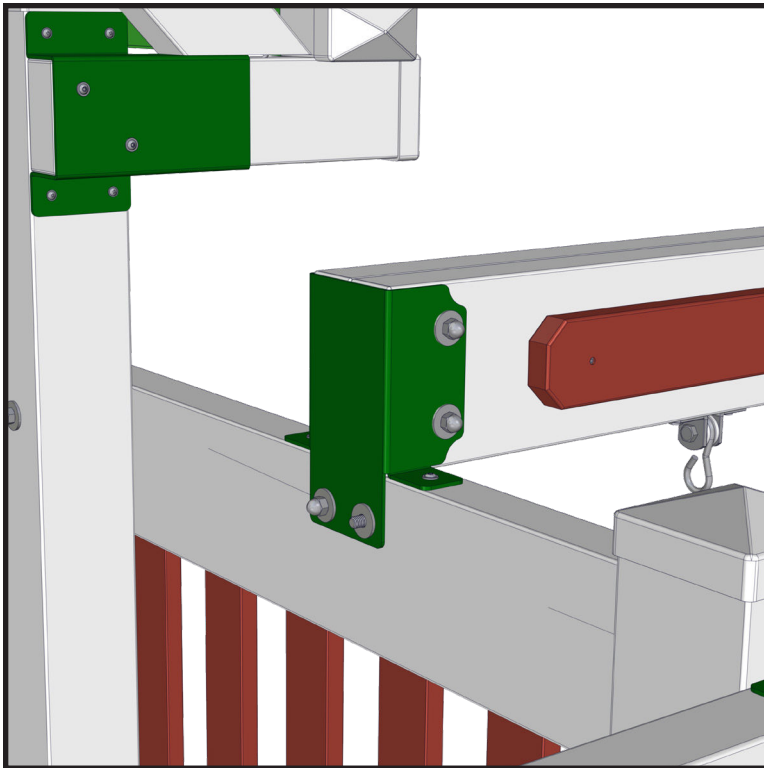
Note: The 4x4 end post may need to be shortened depending on the ground. If the playset is on a perfectly level surface the post should be cut to 93".

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



Step 11.

Fasten the bracket to the 2x6 using 3" star head lags after placing it in position.



Step 12.

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



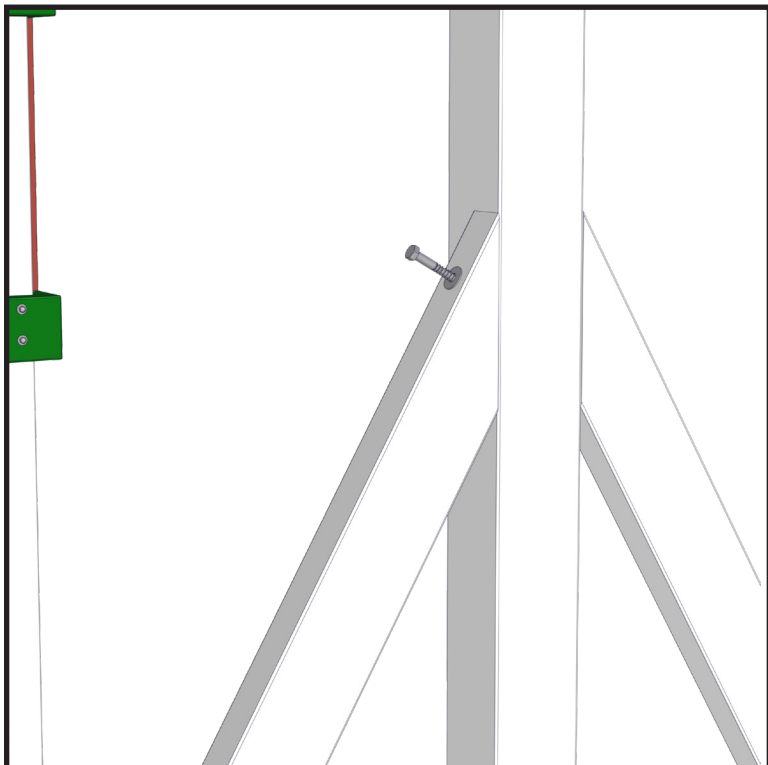
Step 13.

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.



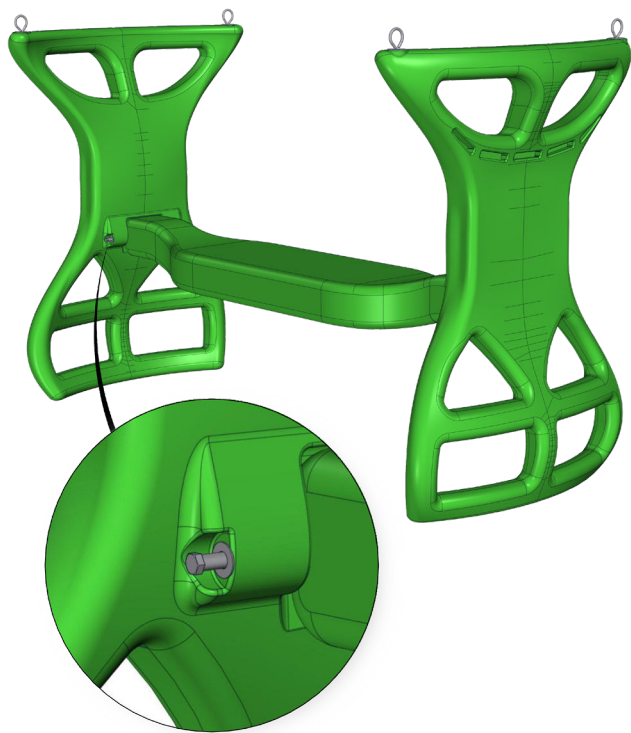
Step 14.

Locate the two 2x4 side braces and place them on either side of the 4x4 post. Fasten the bottom ends to the ground runner 2x4 using two 4 $\frac{7}{8}$ " threaded rods.



Step 15.

Fasten the top ends of the braces to the end post using 4" hex head lags. Pre-drill the holes first using a $\frac{1}{4}$ " drill bit.



Step 16.

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



Step 17.

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.