

Ranger 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

- 9/16" Wrench
- Hammer or Rubber Mallet
- Socket Set
- Drill & Drill Bits
- 4' Step Ladder

Tools Included

- #2 Square Drive Bit
- T30 Star Drive Bit

Hardware



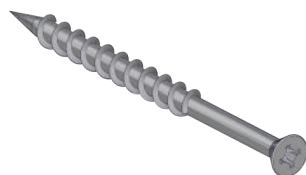
Bolts, Washers & T-Nuts



Bolts, Washers & Nuts



Lags



Wood Screws



Washer Head Screws

Parts List

Tower		
Part No.	Type	Quantity
1A	92" 4x4 Post	2
1B	36" 4x4 Post	2
1C	34" 2x4	2
1D	42" 2x4	2
1E	39 1/4" 2x4	2
1F	29 1/4" 2x4	2
1G	56 1/4" 2x4	2
1H	4x4 Braces	4
1I	2x4 Braces	4
1J	31 3/4" Floorboards	8
1K	Wood Slats	6

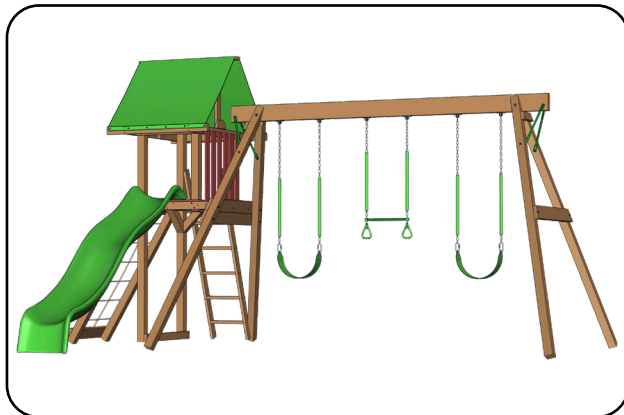
Tarp Roof		
2A	48" 2x4 End Pieces	3
2B	33" 2x4 Side Pieces	2
2C	Tarp Roof	1

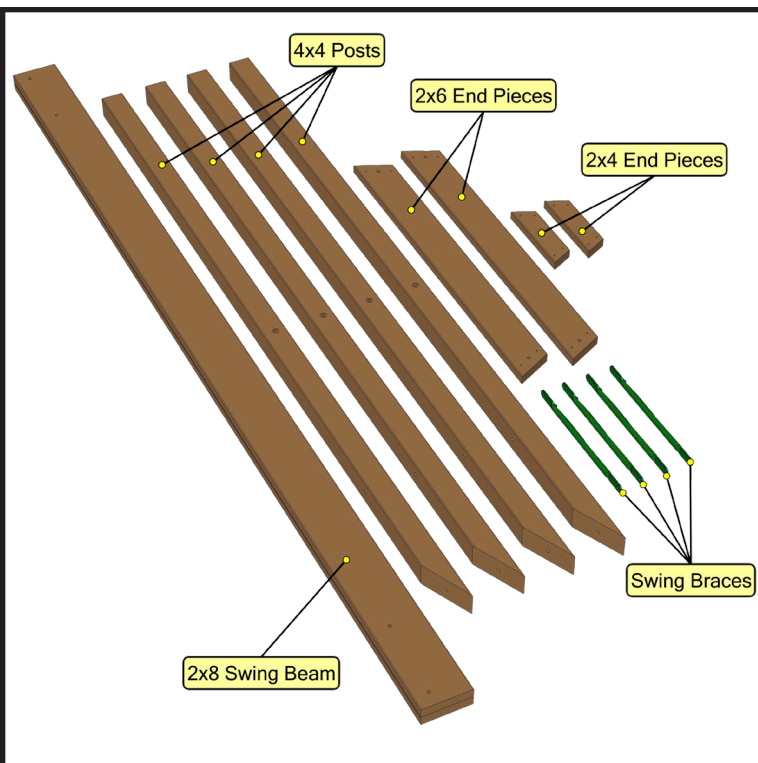
Swing Frame		
3A	2x8 Swing Beam	1
3B	4x4 End Post	4
3C	52" 2x6 End Piece	2
3D	13" 2x4 End Piece	2
3E	47" 2x6 End Piece	1
3F	Swing Brace	4
3G	Swing Bearings	

Accessories		
4A	Wood Ladder	1
4B	Slide	1
4C	Cargo Net	1
4D	Belt Swings	1
4E	Trapeze Swing	1

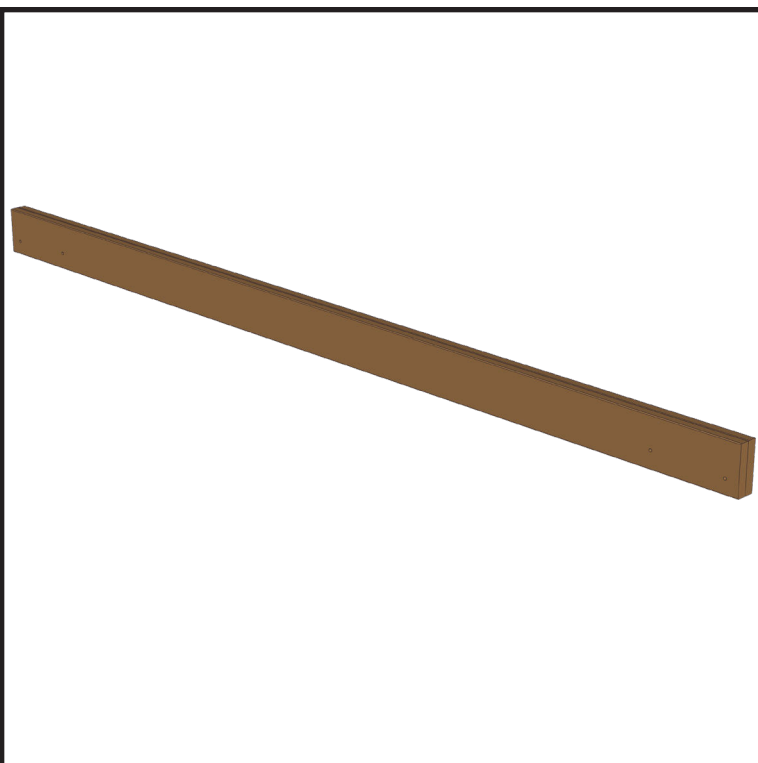
Hardware		
6A	3/8" Bolts	
6B	3/8" Nuts	
6C	3/8" Washers	
6D	3/8" T-Nuts	
6E	Wood Screws	
6F	Washer Head Screws	
6G	Lags	

This assembly manual is for the pre-assembled Ranger tower, begin the assembly by building the 9' swing frame.

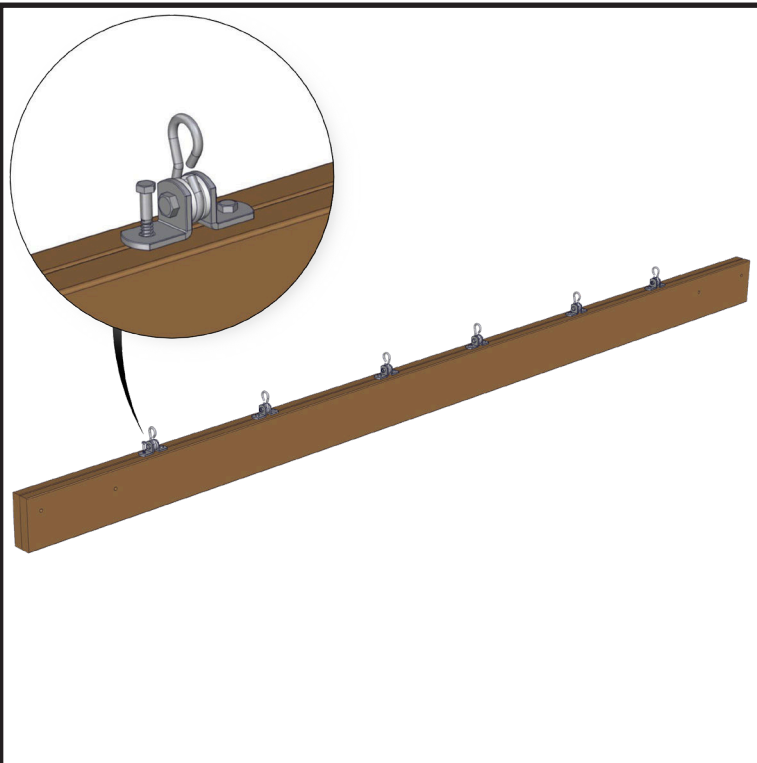




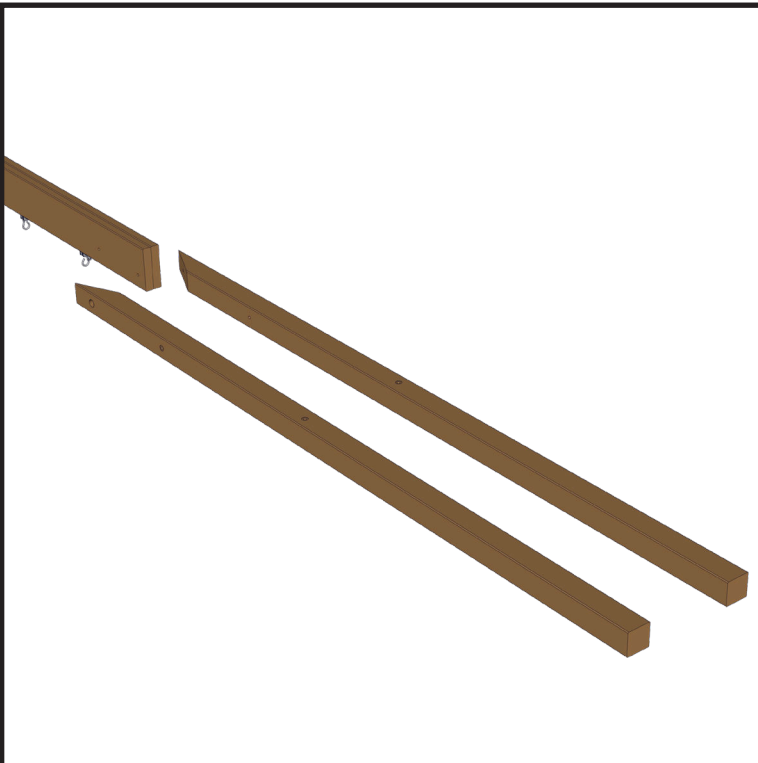
Step 1.
Begin the 9' swing frame assembly by locating and identifying these parts.



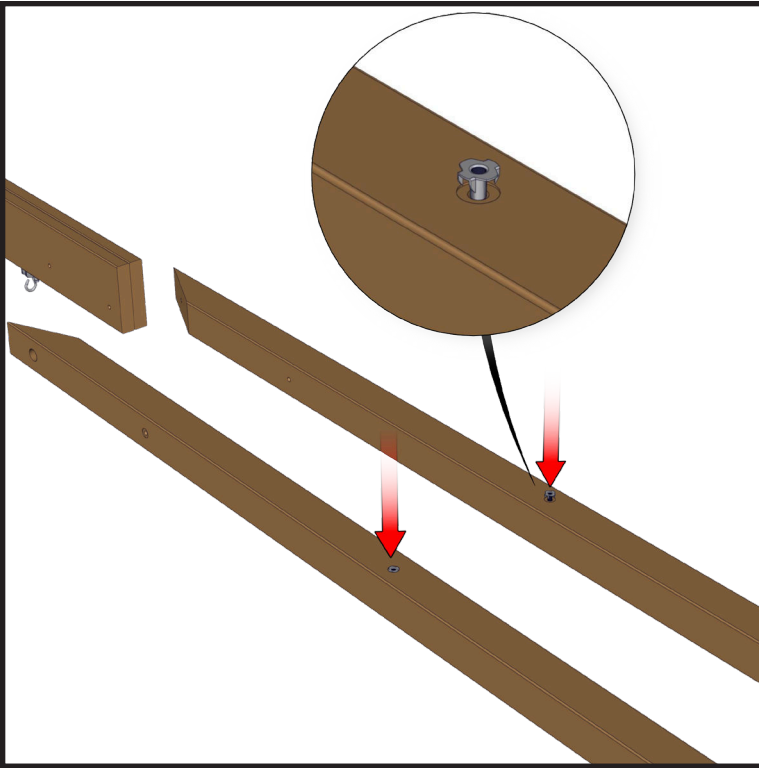
Step 2.
Place the swing beam (3A) on the ground with the pre-drilled bearing holes facing up.



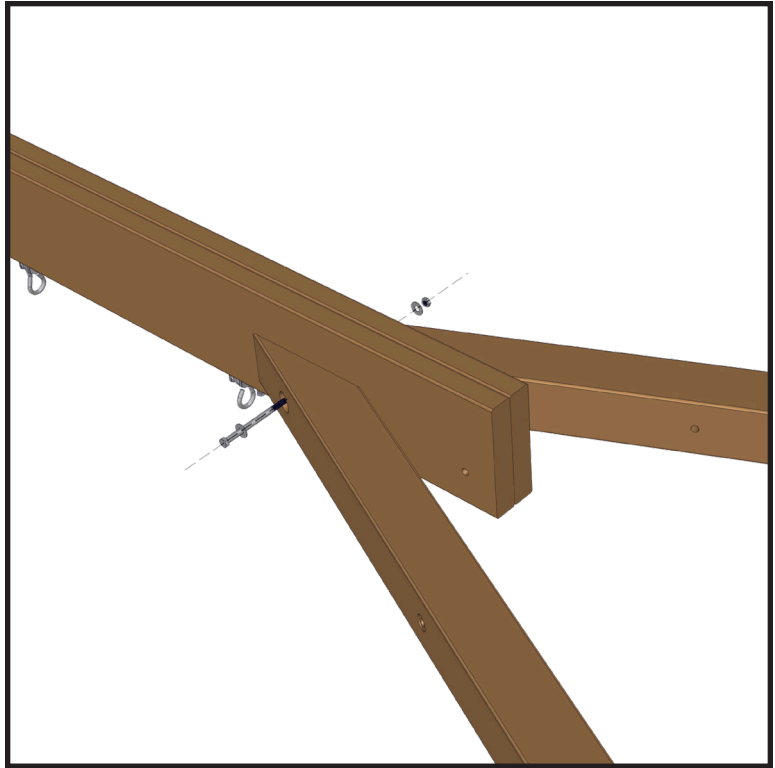
Step 3.
Fasten the swing bearings (3G) to the swing beam with the included lags in the pre-drilled holes.



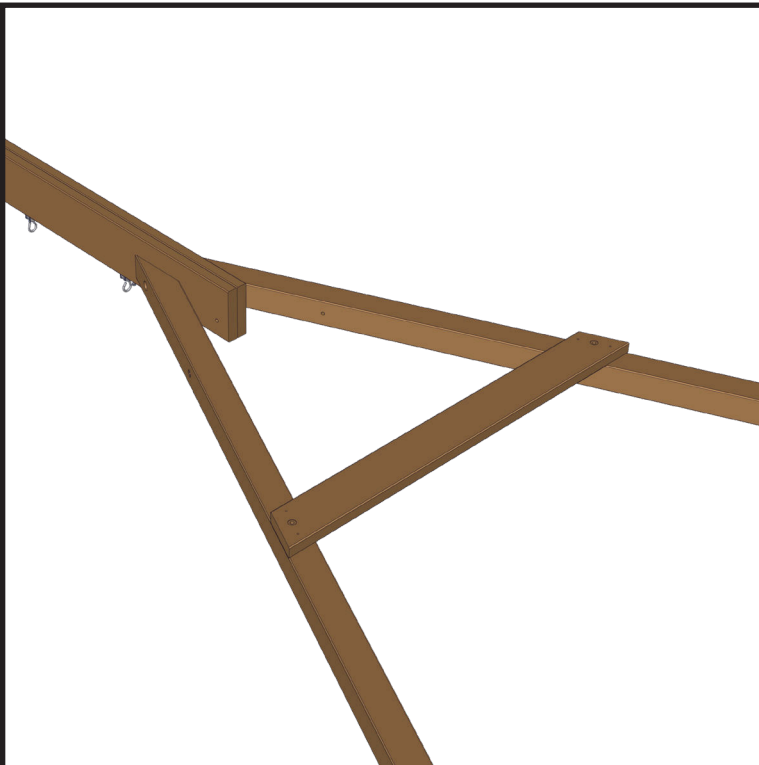
Step 4.
Place two 4x4 posts (3B) at the end of the swing beam.



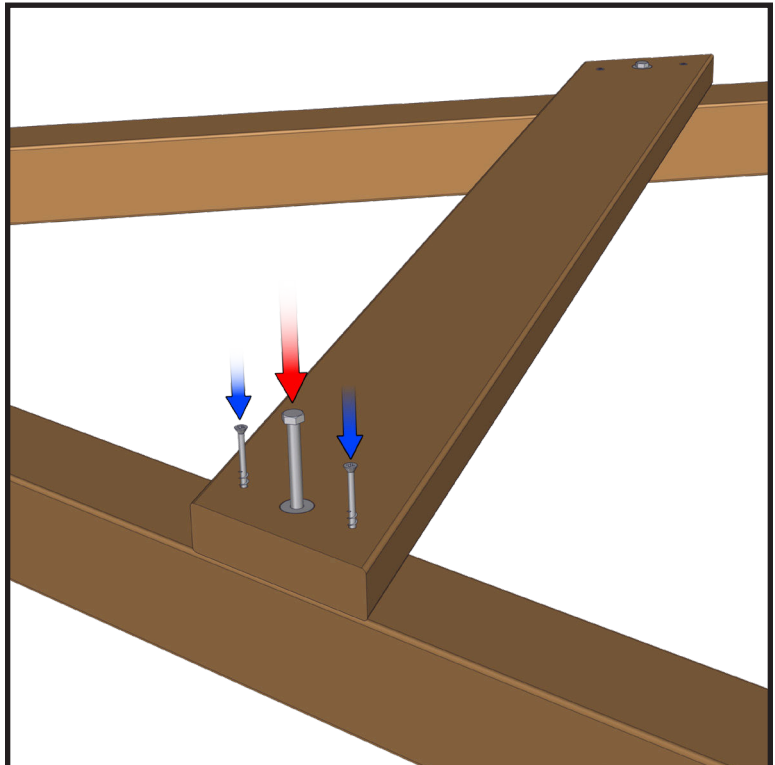
Step 5.
Place a T-Nut (6D) in each pre-drilled hole on the 4x4 posts.
Use a hammer to set them in the wood.



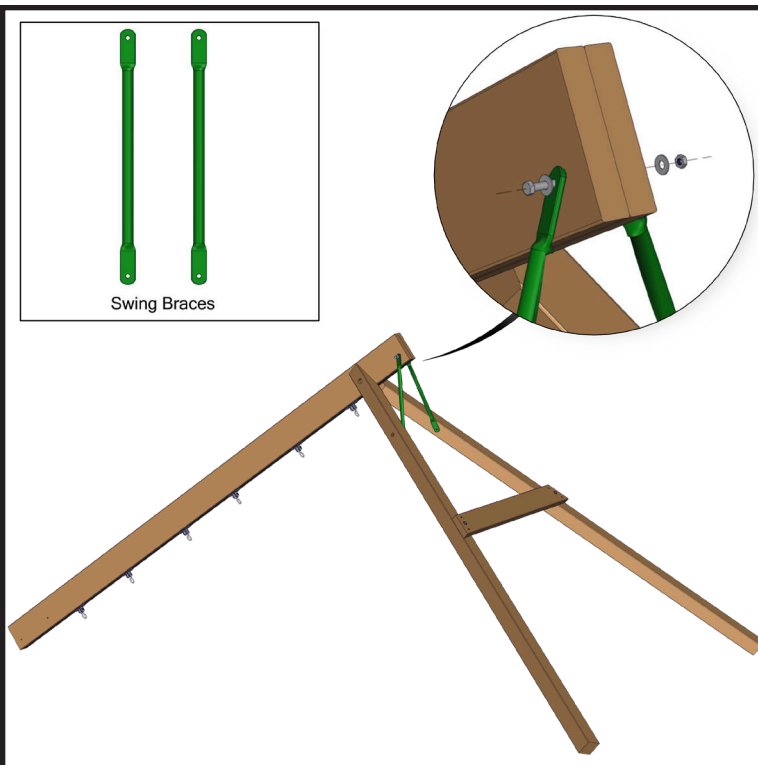
Step 6.
Flip the posts over so the T-Nuts are on the bottom then line them up with the pre-drilled holes in the swing beam.
Fasten the 4x4's to the swing beam using a 6" bolt, washers and a nut. (6A) (6C) (6B)
Do not tighten this bolt yet.



Step 7.
Place one of the 2x6 end pieces (3C) on the posts.
Position the 2x6 so the pre-drilled holes on the posts and the 2x6 line up.



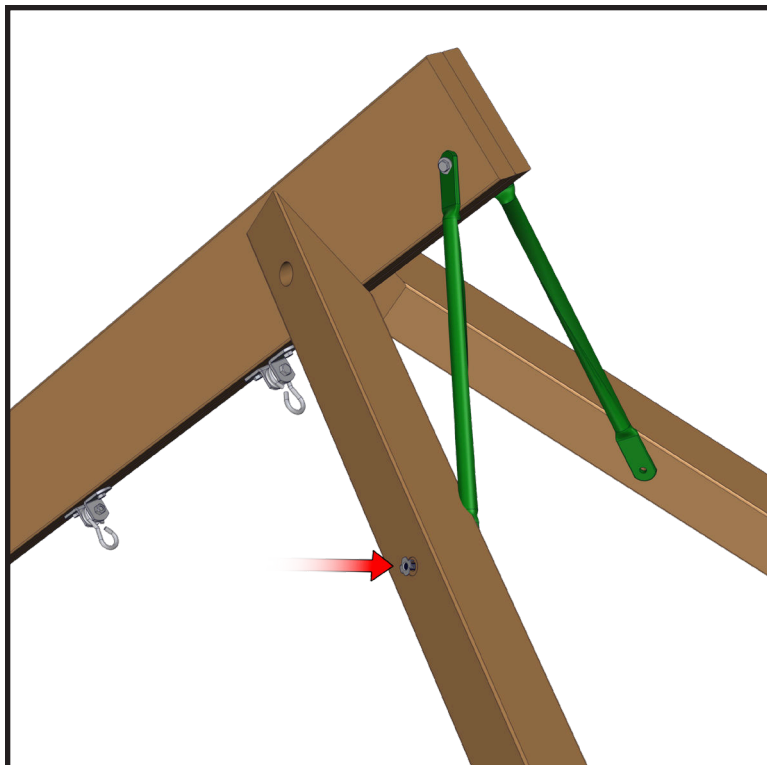
Step 8.
Fasten the 2x6 to the posts using a **4 1/2" bolt and washer**.
Thread the bolt into the T-Nut below then use a $\frac{9}{16}$ " wrench or socket to tighten it.
Finish fastening the 2x6 with a **3" wood screw (6E)** on either side of the bolt.



Step 9.

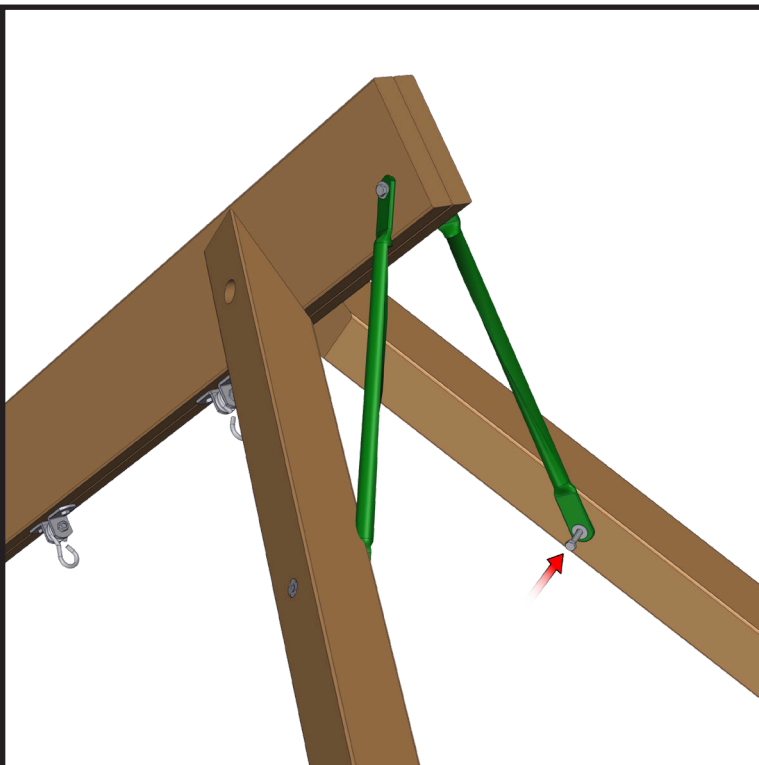
Raise the end of the swing frame up and move the 4x4 legs down into place.

Then place two swing braces (3F) 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.

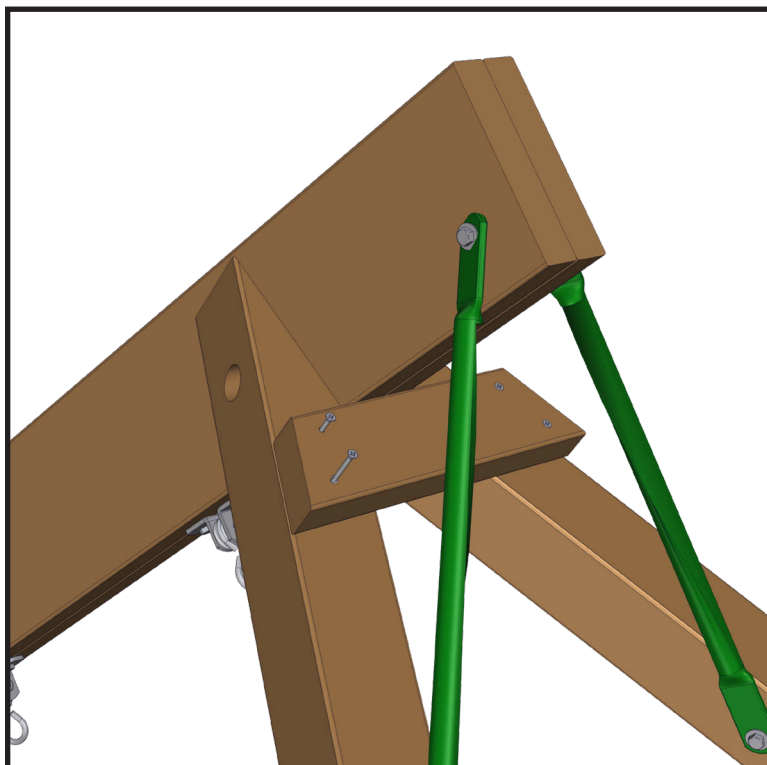


Step 11.

Fasten the swing braces to the 4x4 posts using a 3 1/2" 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.



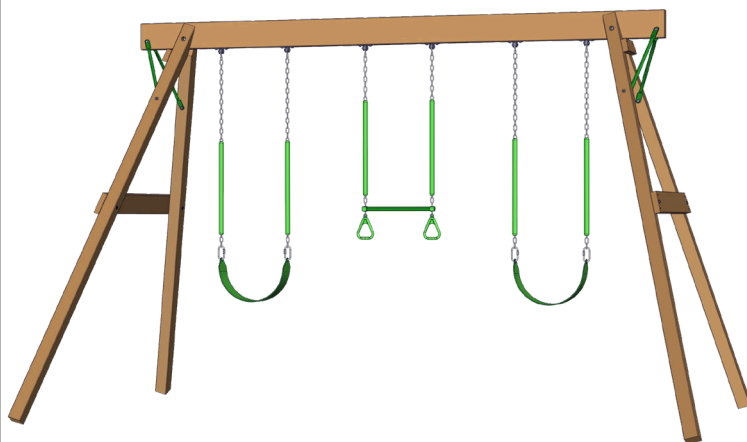
Step 12.

Place one of the 2x4 end pieces (3D) on the 4x4 posts and line it up with the posts.

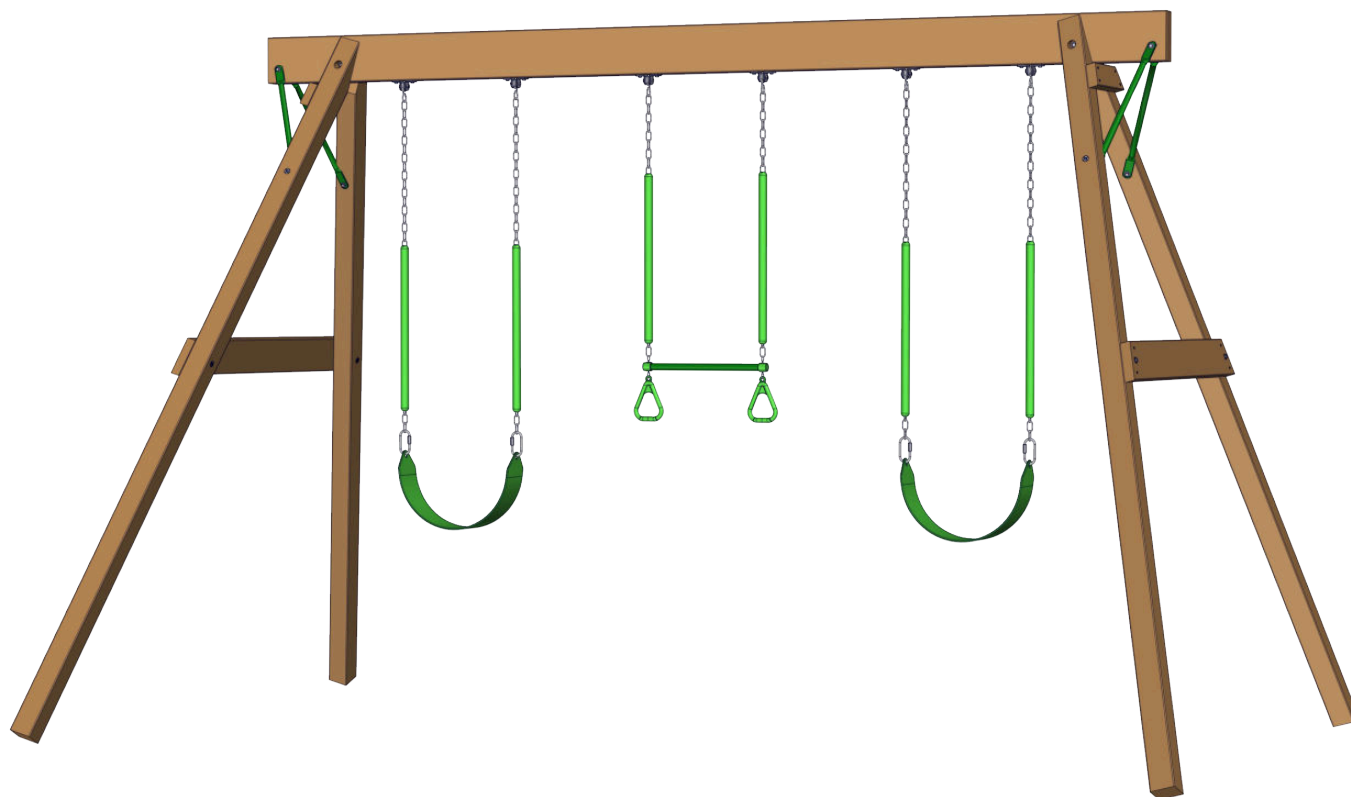
Fasten it with 3" wood screws.



Step 13.
Repeat steps 4-12 to finish the other side of the swing frame.



Step 14.
Place the swings on the swing bearings and adjust the height to suit.

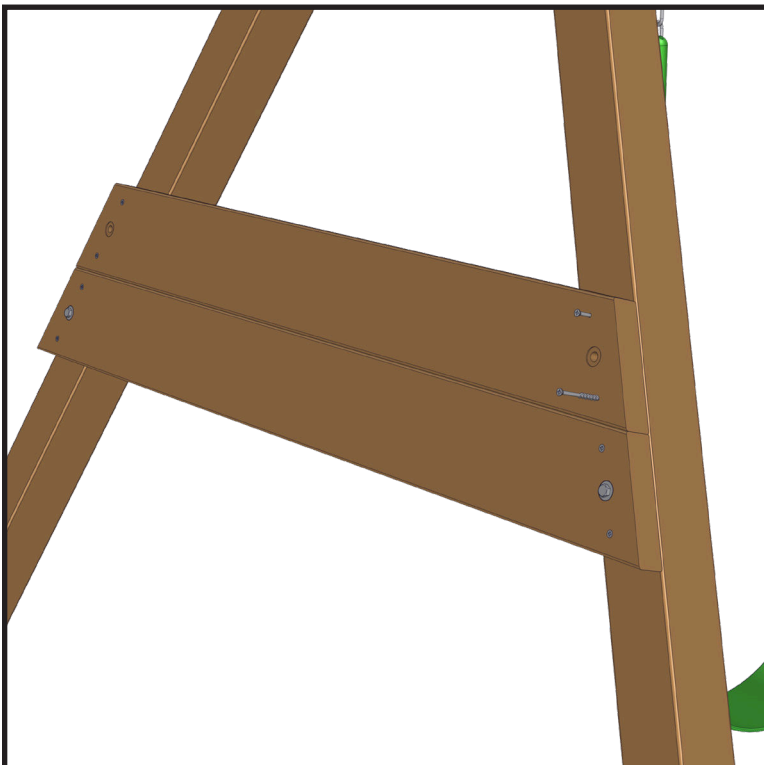


Ranger Tower Assembly



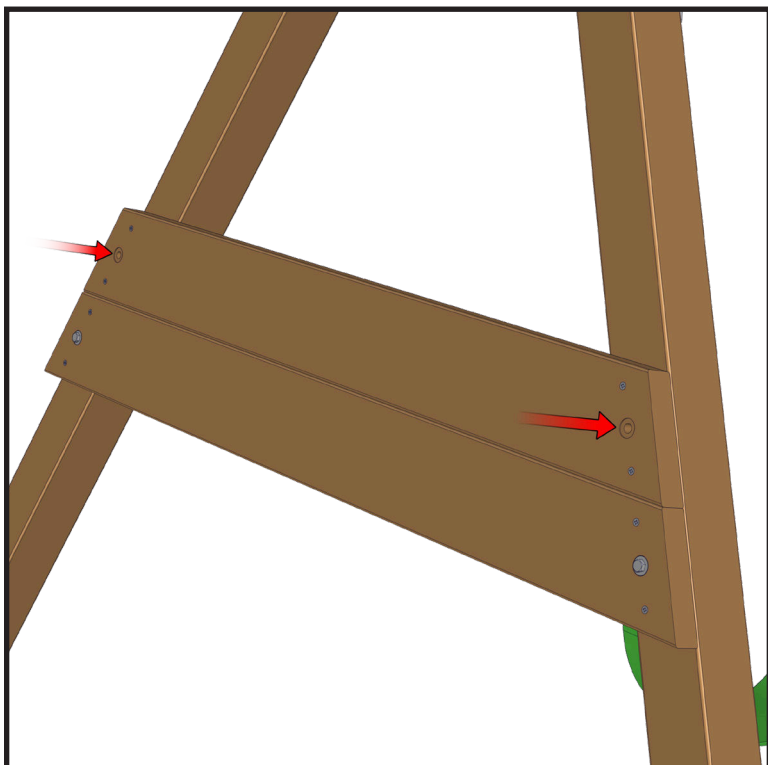
Step 1.

Locate the 47" 2x6 end piece (3E) and place it on the end of the swing frame. Line it up with the 52" 2x6.



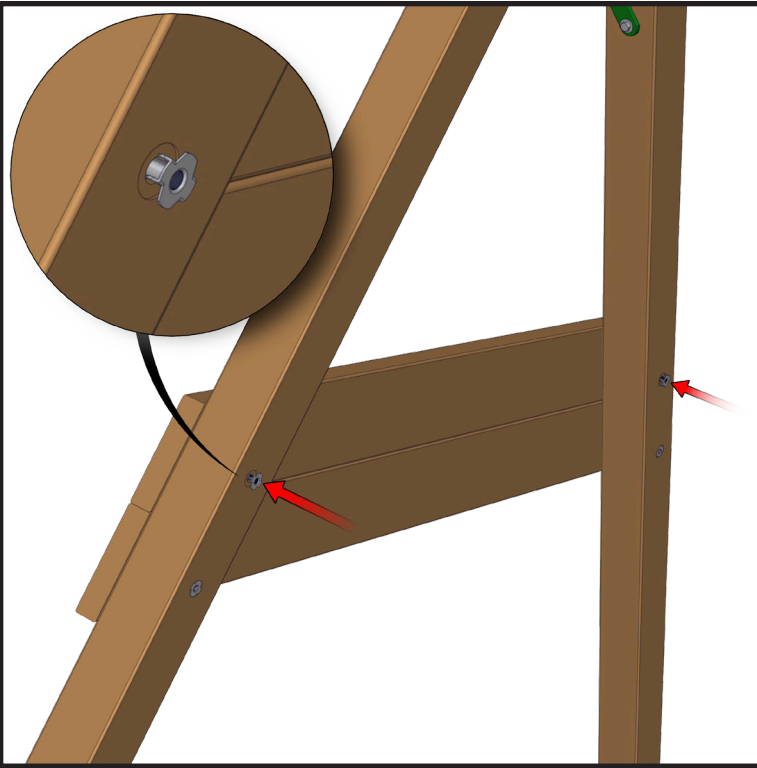
Step 2.

Fasten the 2x6 to the 4x4 posts using two 3" (6E) wood screws on each end.



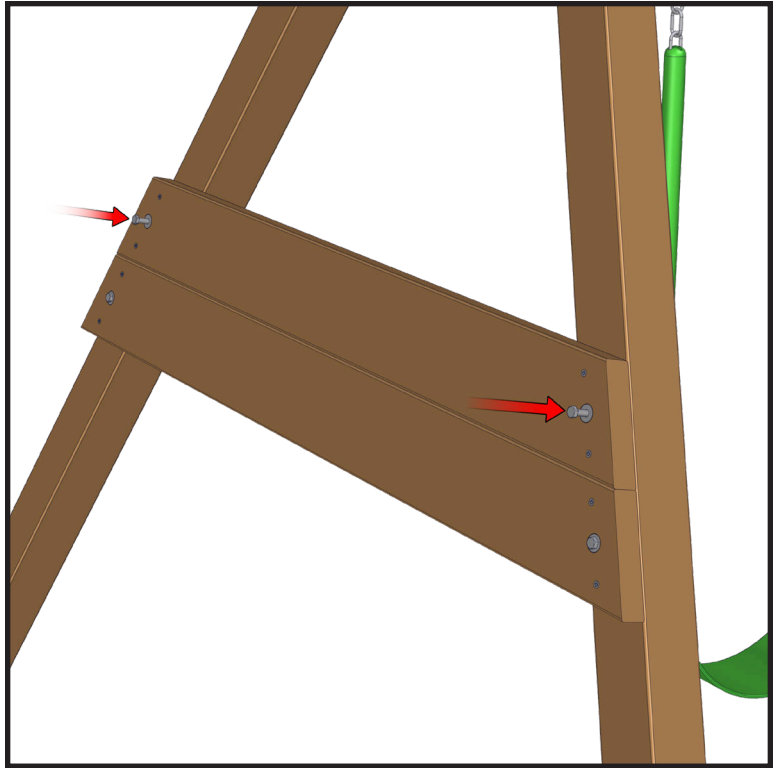
Step 3.

Drill a hole through each 4x4 post using a $\frac{5}{16}$ " drill bit. Use the pre-drilled holes in the 2x6's for a guide.



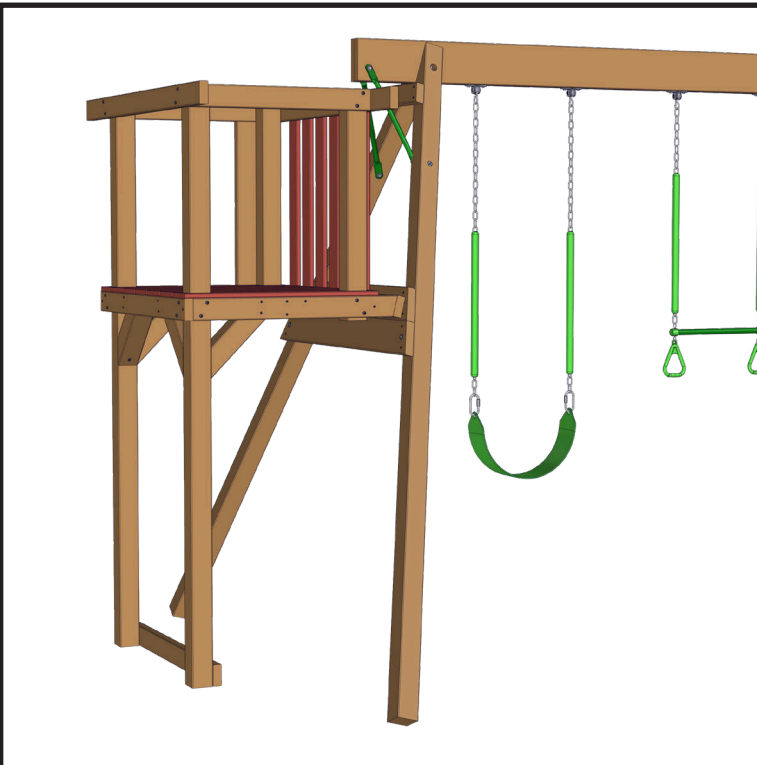
Step 4.

Place a T-Nut (6D) in each hole on the back of the 4x4 posts then use a hammer to set them into the wood.



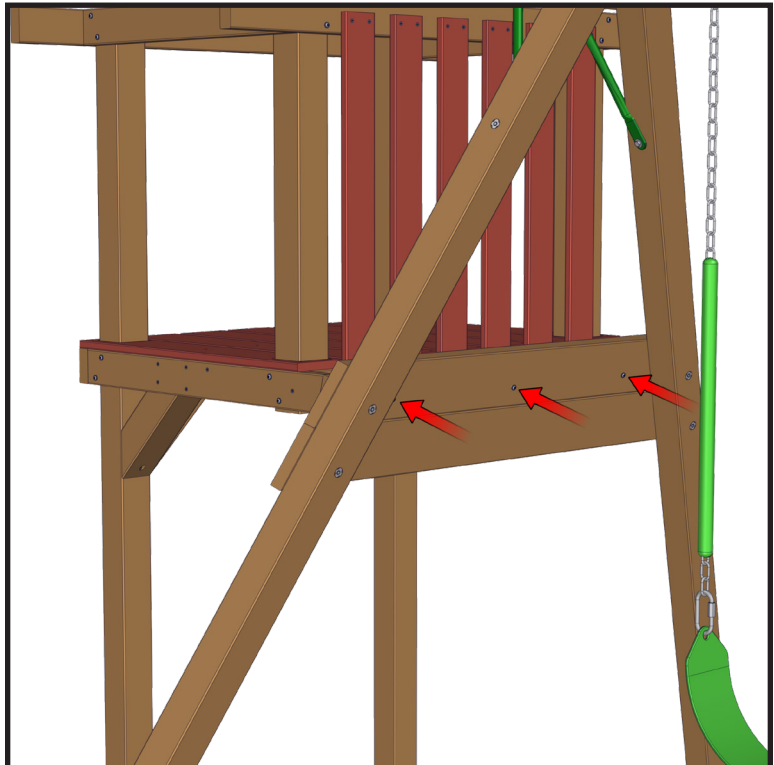
Step 5.

Use a 4 1/2" bolt and washer (6A) (6C) to finish fastening the 2x6. Thread the bolts into the T-Nuts then tighten them.



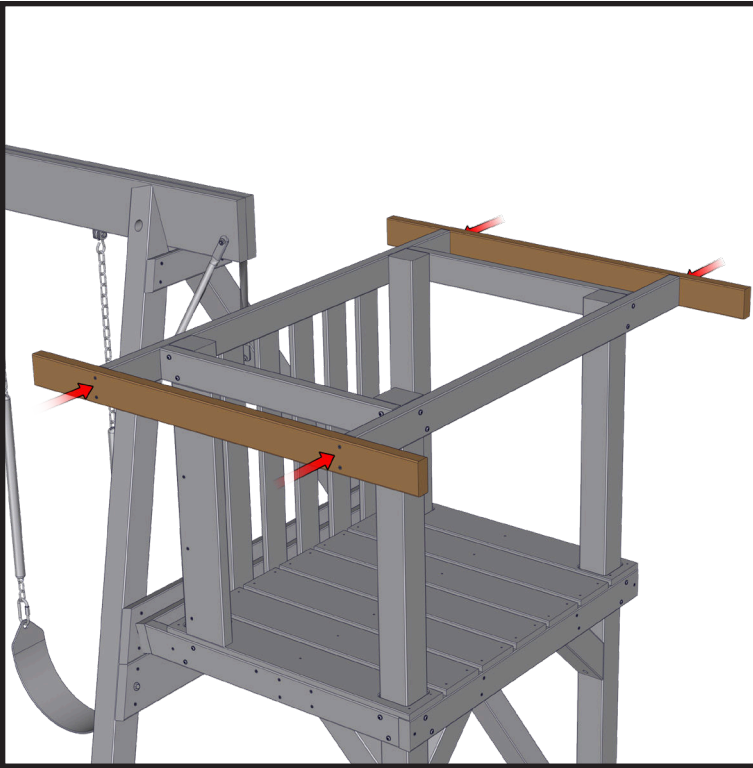
Step 6.

Place the Ranger tower in position on the swing beam.

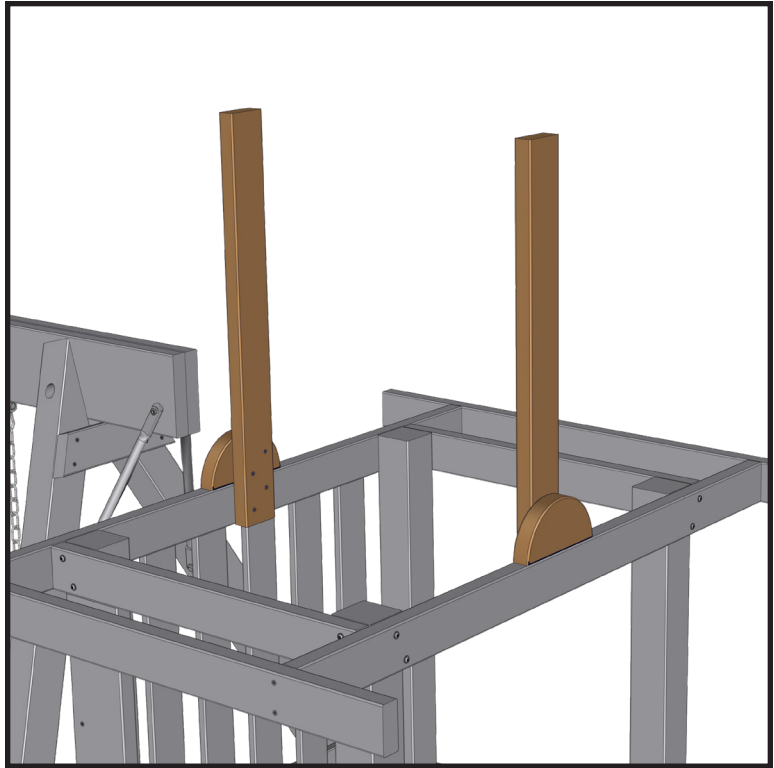


Step 7.

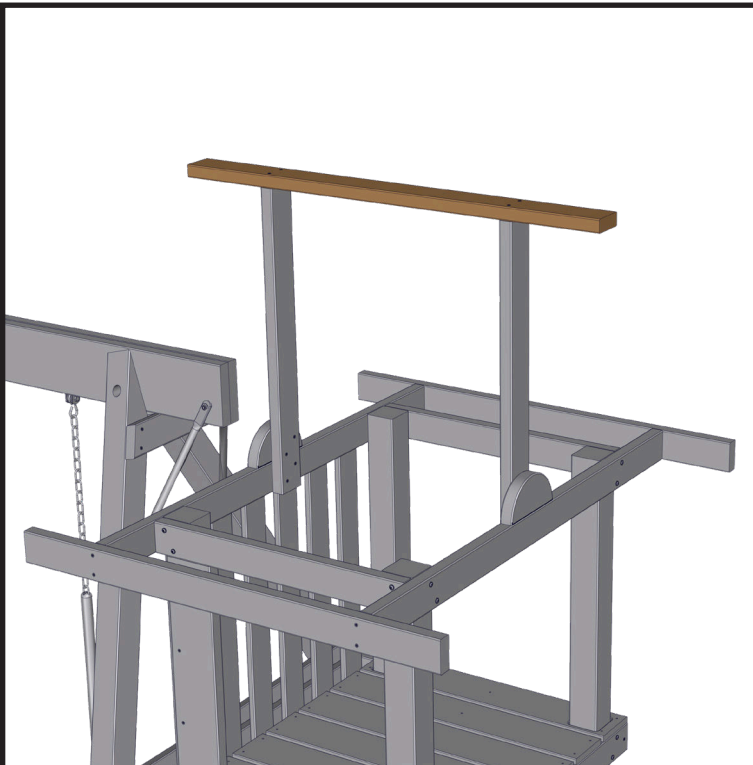
Use three 2 1/2" lags (6G) to fasten the tower to the swing frame.



Step 8.
Locate the two 48" 2x4 end pieces and place them on the tower as shown.
Fasten them with 3" wood screws.



Step 9.
Locate the two 33" 2x4's with the half moon pieces attached.
Place these 2x4's on the railing 2x4's with the half moon's facing out.
Make sure they are centered then fasten them with 2 1/2" screws.



Step 10.
Place the 48" 2x4 on top of the 33" 2x4's then fasten it with 3" screws.



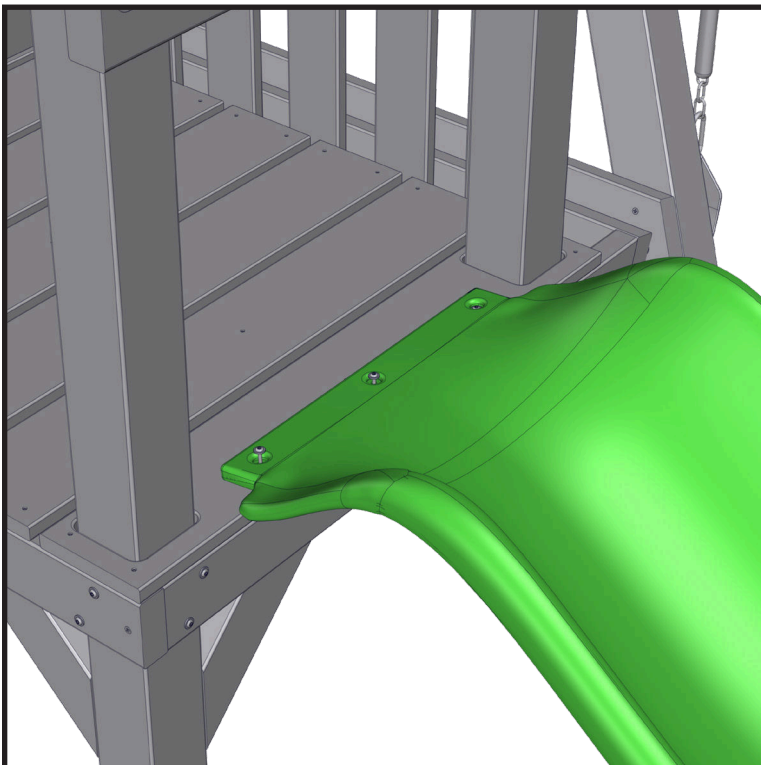
Step 11.
Place the tarp roof (2C) in position then fasten one side using 3/4" washer head screws. (6F)
Stretch the tarp out then fasten the other side using the same screws.



Step 12.
Place the wood ladder (4A) on the side of the tower with the 2x6 support then fasten it with 3" wood screws.



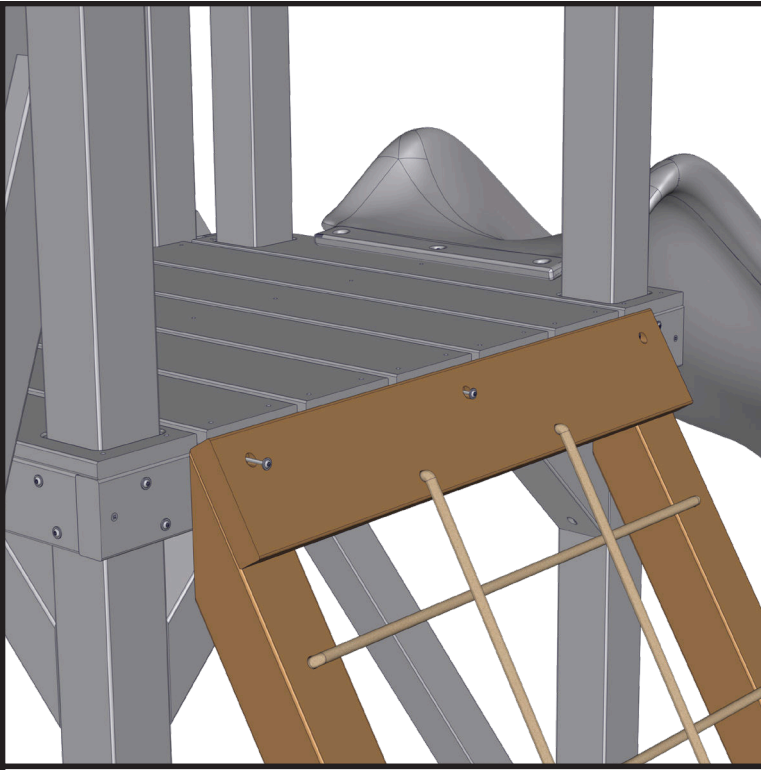
Step 13.
Place the slide (4B) on the other side of the tower and center it in the opening.



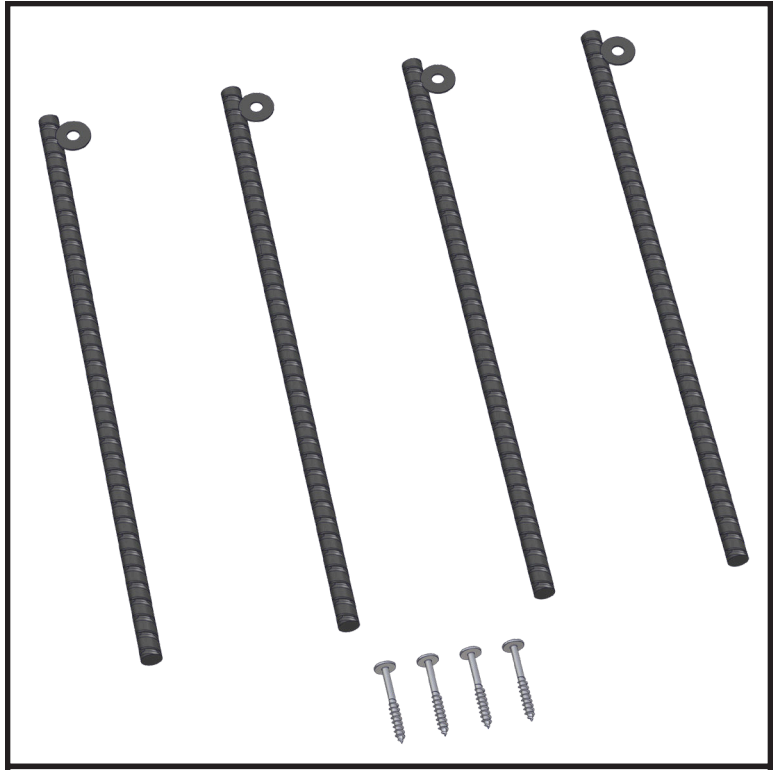
Step 14.
Fasten the slide using 1 1/2" lags.
Make sure the lags go into the 2x4 below.



Step 15.
Place the cargo net (4C) in position as shown.



Step 16.
Fasten the cargo net to the tower using 3" lags.



Playset Stakes
Your playsets should come with six stakes and 1 ½" lags.



Playset Stakes
Hammer a stake into the ground at each corner of the playset and fasten it with a 1 ½" lag.

