

# Trading Post 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" 2x4's         | 2        |
| 59" 2x4'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        |
| 58" 2x4's         | 2        |
| 2x4 Corner Braces | 8        |
| 4x4 Braces        | 8        |
| Back Wall Panel   | 1        |
| Front Wall Panels | 2        |

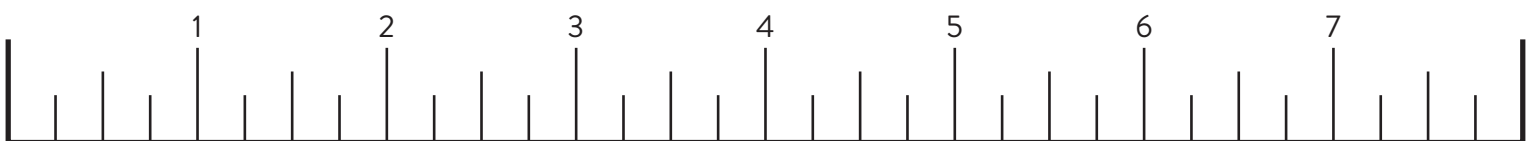
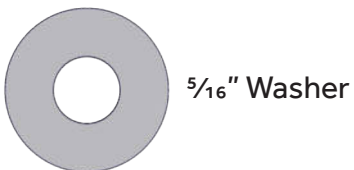
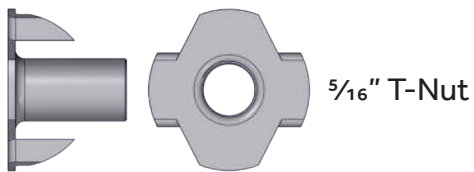
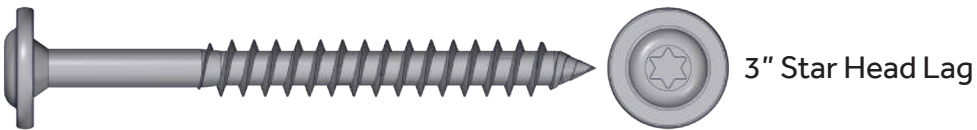
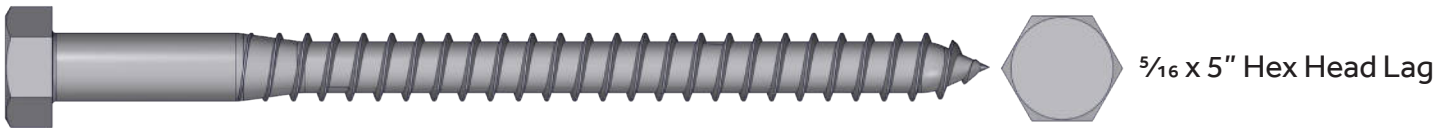
|                           |    |
|---------------------------|----|
| Side Wall Panels          | 2  |
| Front Shelf               | 1  |
| Shelf Support 2x4's       | 2  |
| Ladder Support 2x4        | 1  |
| 95 7/8" Floorboards       | 10 |
| 82 5/8" Floorboards       | 10 |
| 82 5/8" Narrow Floorboard | 1  |
| Slats                     |    |

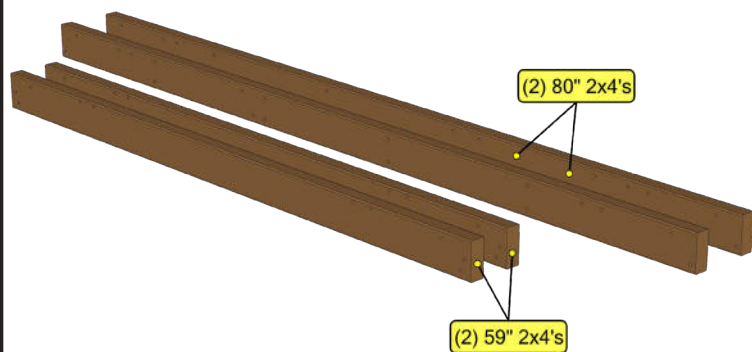
| Swing Frame      |   |
|------------------|---|
| 2x6 Swing Beam   | 1 |
| 4x4 Legs         | 2 |
| 2x6 Brace        | 1 |
| 2x4 Brace        | 1 |
| Support Brackets | 2 |

| Tarp Roof   |   |
|-------------|---|
| 2x4 Rafters | 4 |
| 56 1/4" 2x6 | 1 |
| Tarp Roof   | 1 |

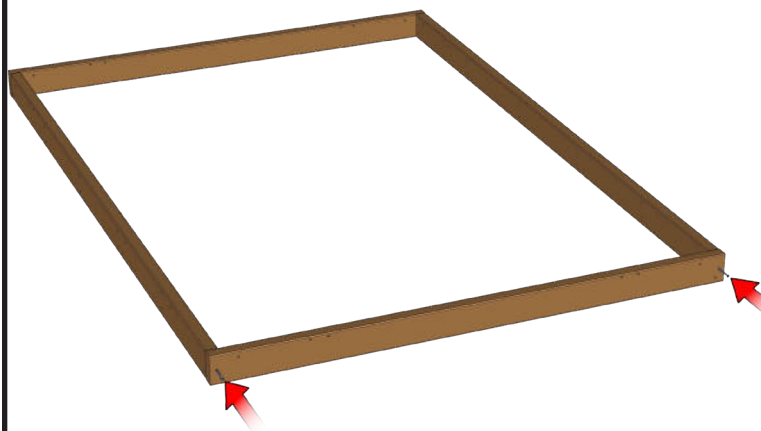
| Wood Roof        |   |
|------------------|---|
| Roof Side Panels | 2 |
| Starburst Panels | 2 |

# Hardware

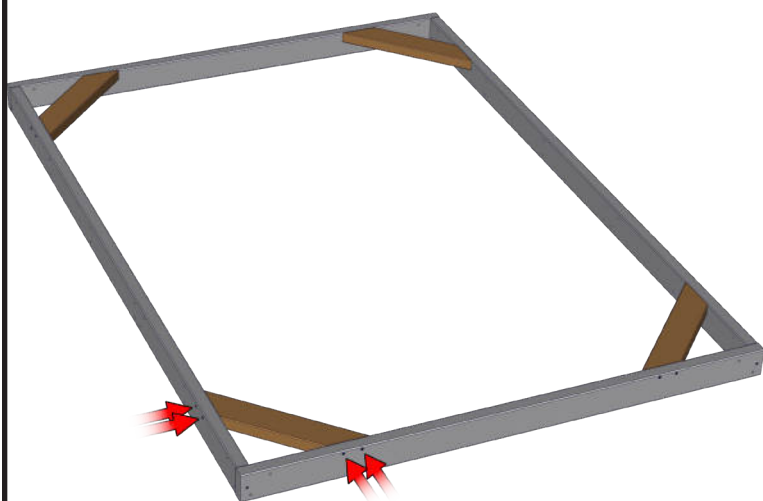




**Step 1.**  
Begin the assembly by locating two 80" 2x4's and two 59" 2x4's.



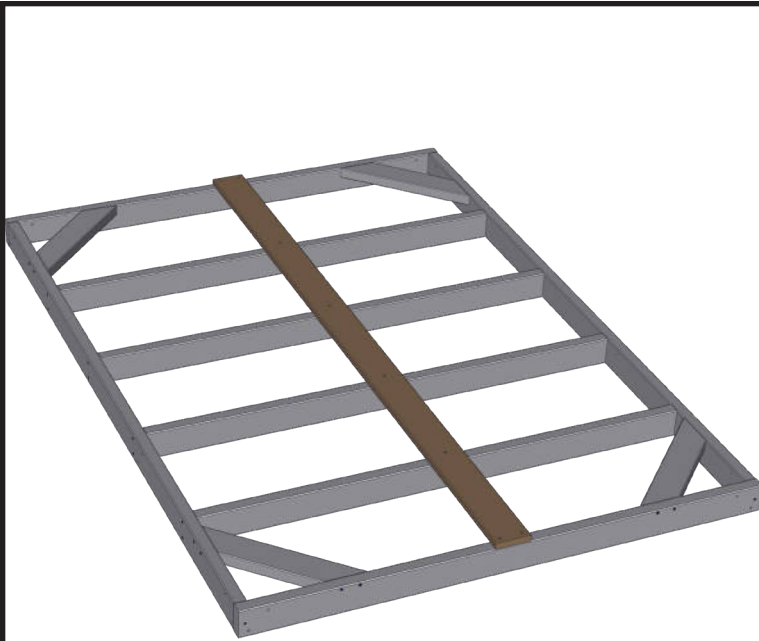
**Step 2.**  
Place the 2x4's in a rectangle with the 59" 2x8's on the outside. Fasten them with a 3" wood screw at each corner.



**Step 3.**  
Place a 2x4 brace at each corner and fasten them with 2 1/2" wood screws.



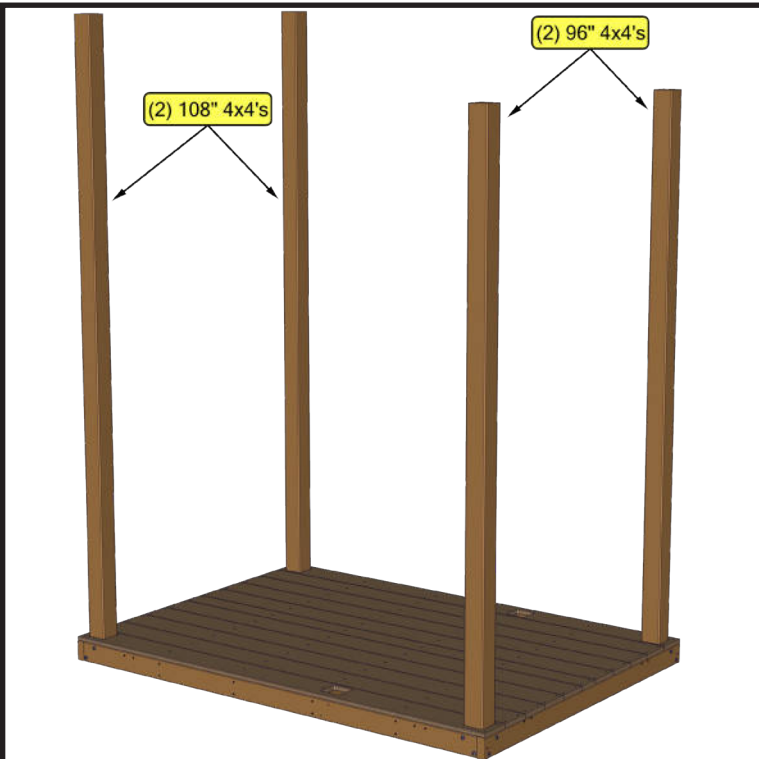
**Step 4.**  
Locate four 56 1/4" 2x4 floor joists and place them inside the frame. Align them with the pre-drilled holes then fasten them with 3" wood screws.



**Step 5.**  
Locate the narrow 82 5/8" floor board and place it on the floor then center it both ways.



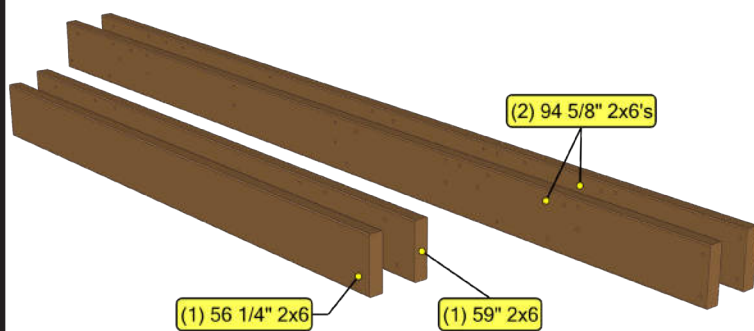
**Step 6.**  
Fill in the rest of the 82 5/8" floor boards, there are eight normal boards and two boards with holes for the outside. Fasten the floor boards with 1 1/2" poly screws.



**Step 7.**  
Place two 108" 4x4 posts in the back of the frame and two 96" 4x4 posts in the front. Fasten these with 3" star head lags.



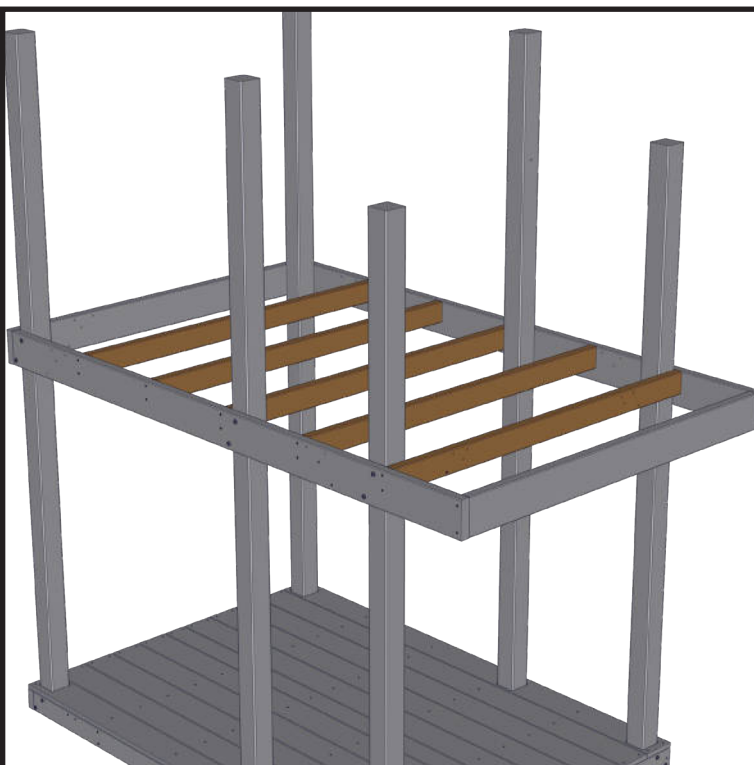
**Step 8.**  
Place two 108" 4x4 posts between the outside posts as shown above. Fasten these with 3" star head lags.



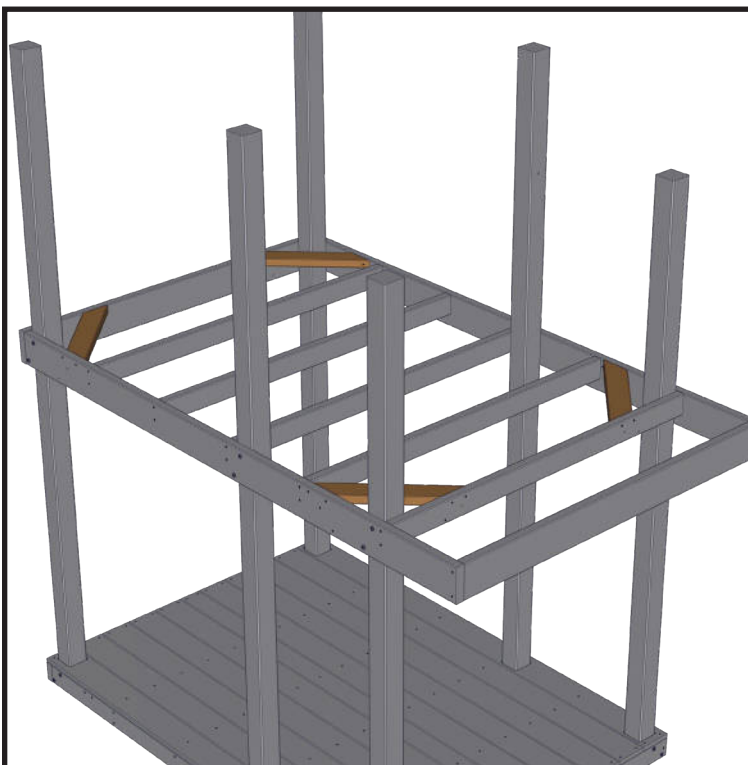
**Step 9.**  
Locate these 2x6 pieces to build the 2x6 floor frame.



**Step 10.**  
Place the 59\"/>



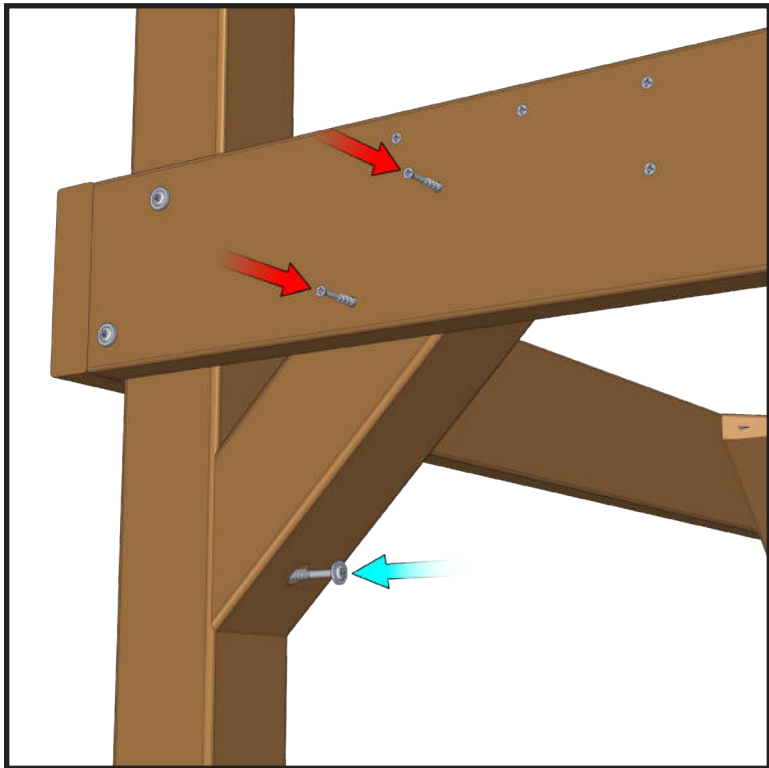
**Step 11.**  
Install five 56 1/4\"/>



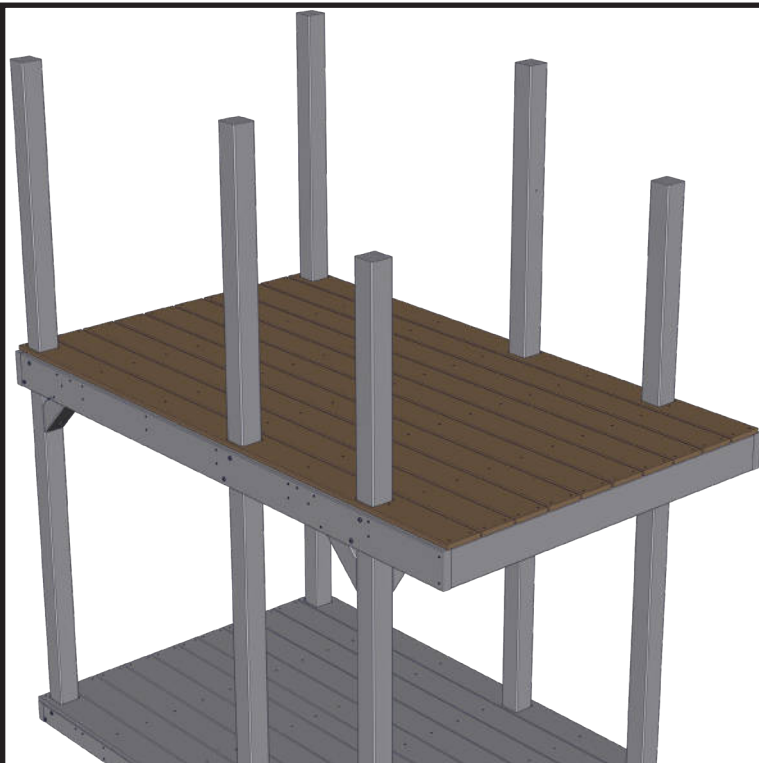
**Step 12.**  
Place a 2x4 brace in each corner by the 4x4 posts and fasten them with 3\"/>



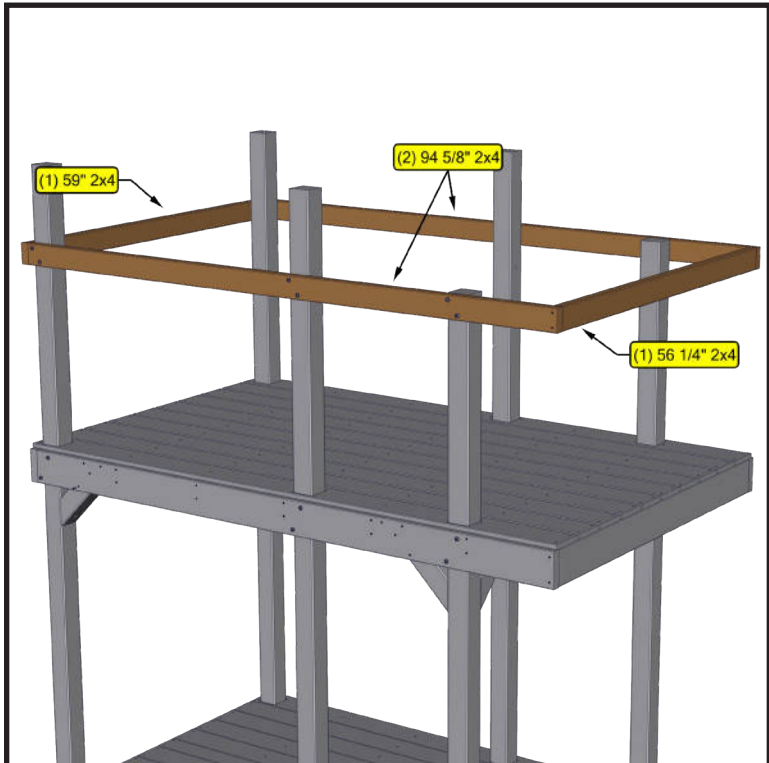
**Step 13.**  
Locate eight 4x4 braces and place them underneath the 2x4 braces from the last step.



**Step 14.**  
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 15.**  
Locate the 95 7/8" floor boards and place them in position. Two of these boards will have holes cut for the 4x4 posts, install these first then space the rest out between them. Fasten these boards with 1 1/2" poly screws.



**Step 16.**  
Locate the 2x4 railing frame and repeat the instructions from step 10 to install them. Place these flush with the end of the 96" 4x4 posts instead of using spacers.



**Step 17.**  
Locate two 59" 2x4's and place them on the 108" 4x4 posts. Keep these centered between the posts and up flush with the ends. Fasten these with 3" star head lags.



**Step 18.**  
Place the 33 1/2" railing slats in position and fasten them with 1 3/4" washer head screws. Use the included slat spacer to determine the spacing.



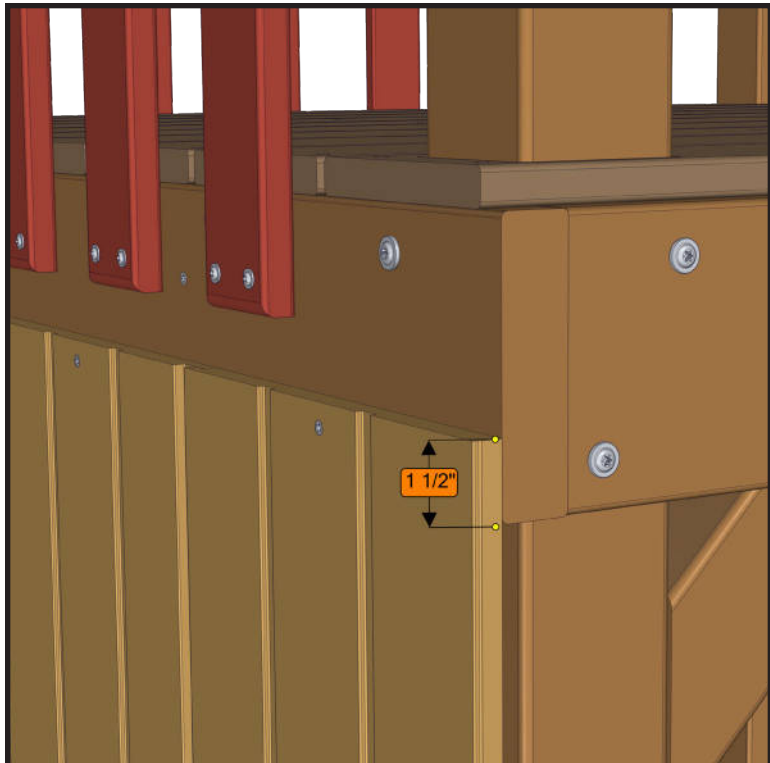
**Step 19.**  
Use the same spacer to fill in the slats on both sides. Leave a 20" opening on one side for the slide.



**Step 20.**  
Fill in the back of the tower with slats leaving a 19 1/4" space for the ladder.



**Step 21.**  
Locate the back wall and place it in position on the tower.



**Step 22.**  
The top of the wall should measure 1 1/2" from the bottom of the floor 2x6.  
Center the wall on the tower then fasten it on the top and bottom with 1 1/2" wood screws.



**Step 23.**  
Place one of the side walls in position keeping the back edge flush with the back 4x4 post.  
Fasten the wall with 1 1/2" wood screws.

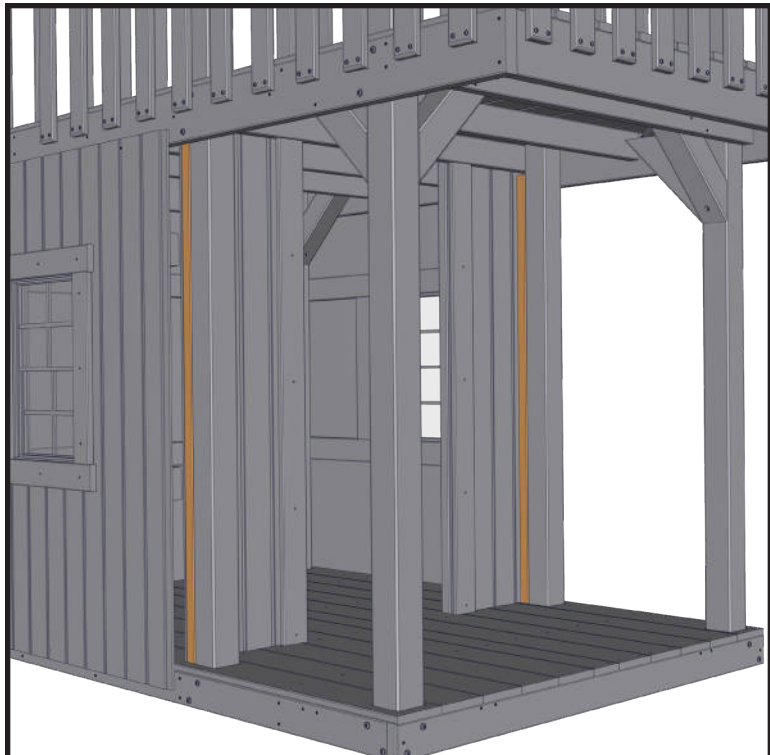


**Step 24.**  
Repeat the last step to install the other wall panel.



#### Step 25.

Locate the two front wall panels and place them on the inside of the center 4x4 posts as shown above.



#### Step 26.

Place two 58" 2x4's between the front walls and the center 4x4 posts to fill in the gap. Fasten the front wall panels and these 2x4's with 3" wood screws through the wall panels and into the 4x4 posts.



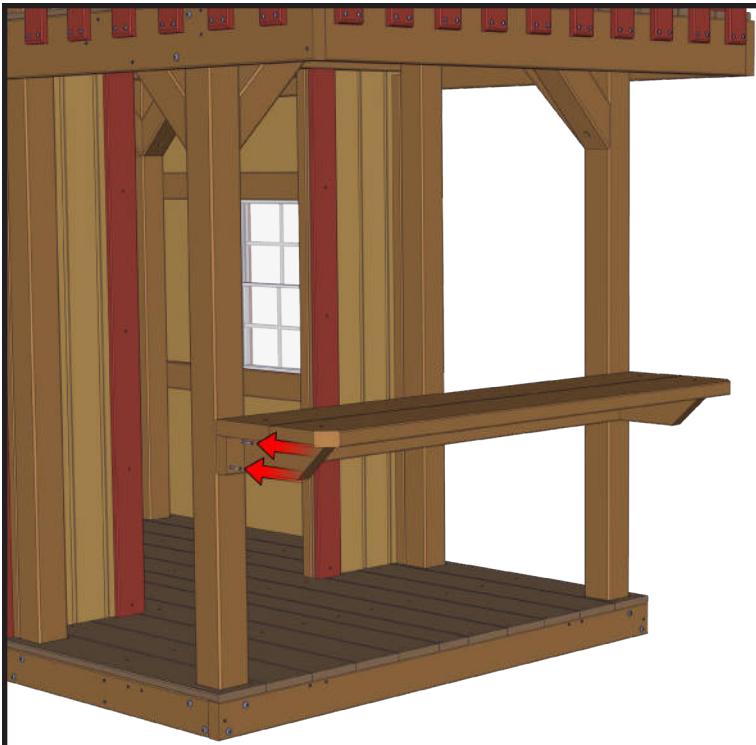
#### Step 27.

Locate the two corner trim pieces with straight cut ends and place them at each back corner. Align them with the wall panels then fasten them with 1 1/2" poly screws.



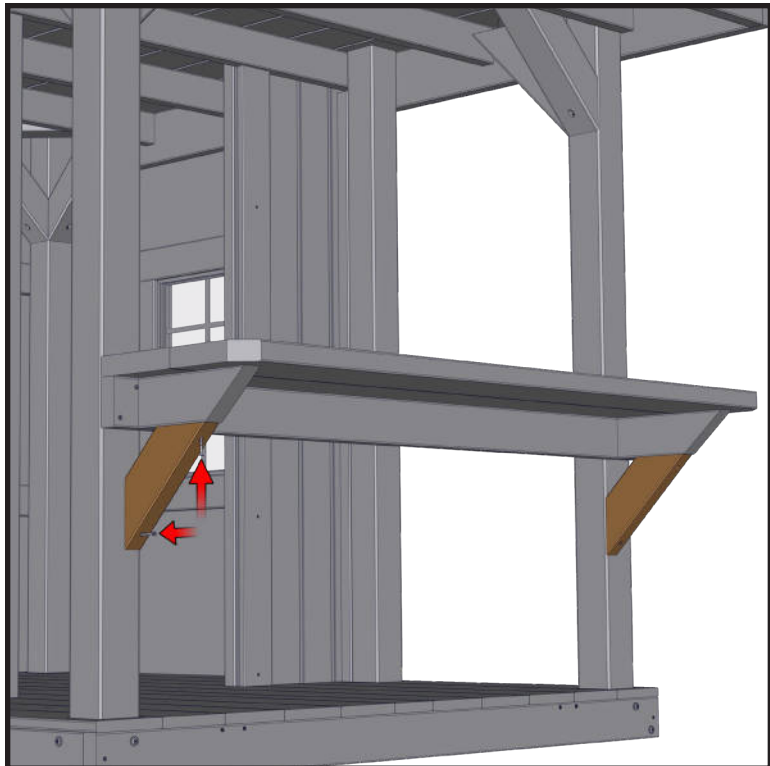
#### Step 28.

The two trim pieces for the front corners have notched ends to fit into place as shown above. Fasten these with the same 1 1/2" poly screws.



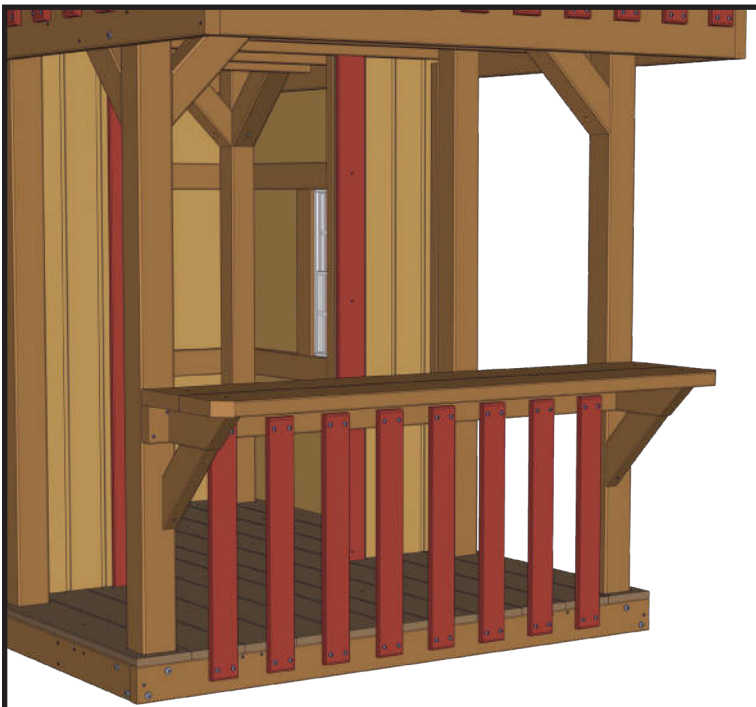
### Step 29.

Locate the front shelf assembly and place it in position. Use the included spacers to determine the height then fasten it with 3" star head lags.



### Step 30.

Place the two shelf supports in position and fasten them with 3" wood screws through the pre-drilled holes.



### Step 31.

Use the slat spacer to install eight slats underneath the shelf. Fasten the slats with 1 3/4" washer head screws.



### Step 32.

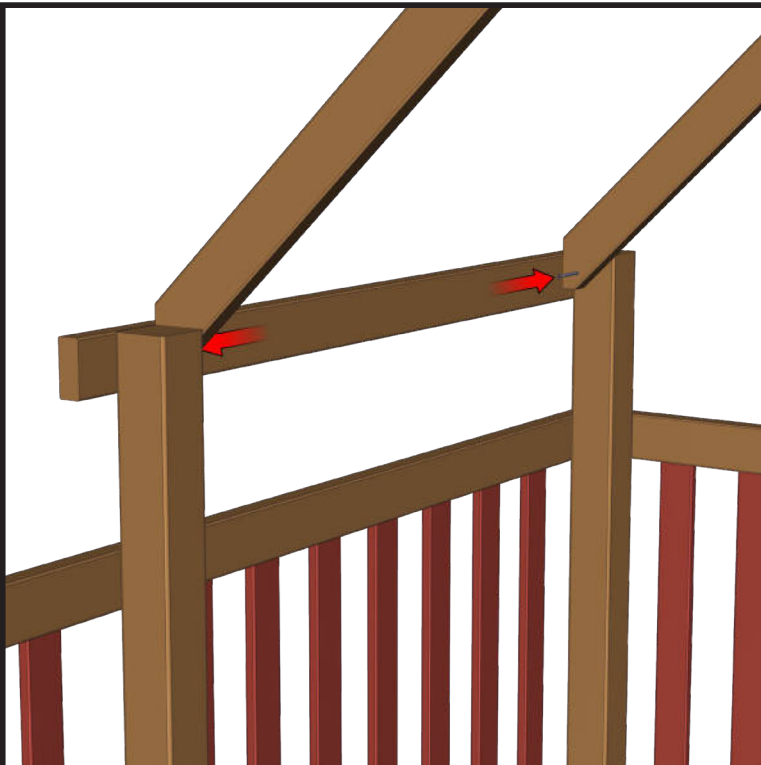
Your tower should look like the picture above at this point.

## Tarp Roof



### Step 1.

Place these two 2x4's between the 4x4 posts and fasten them with 3" wood screws.



### Step 2.

Fasten the inside of the 2x4's to the 4x4 posts with the same screws.



### Step 3.

Place the center 2x6 against the 2x4 and center it. Fasten it with 3" wood screws.

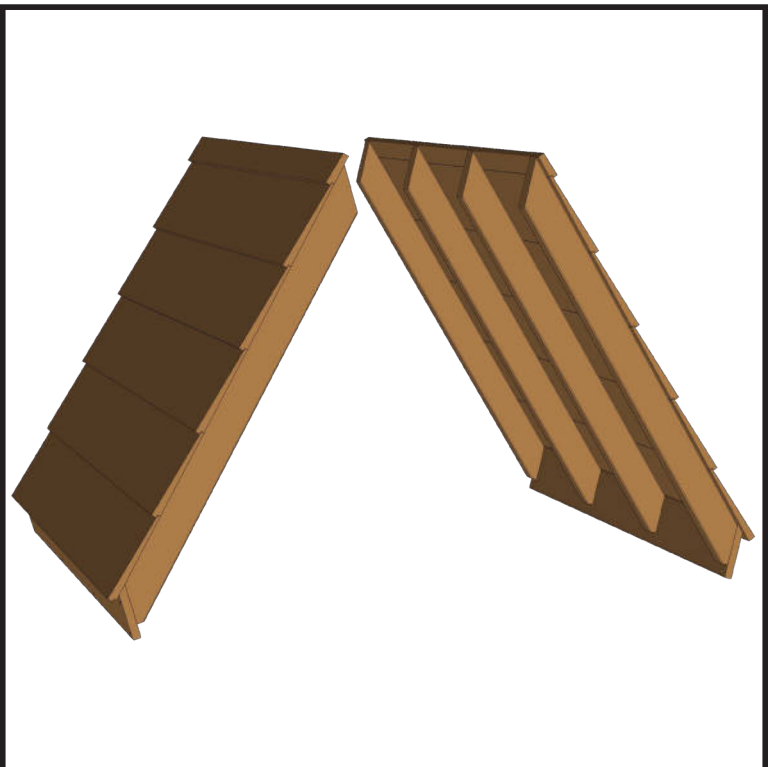
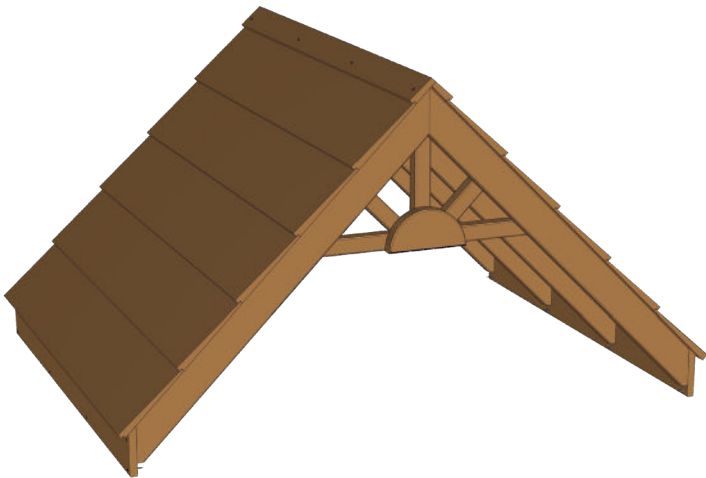


**Step 4.**  
Place the opposite 2x4's in position and fasten them with 3" screws angled in from the side.

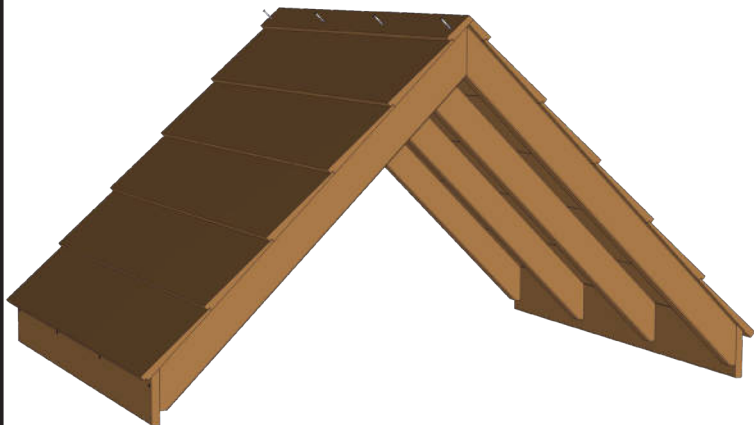


**Step 5.**  
Stretch the tarp roof over the frame and fasten both sides with 3/4" washer head screws.

## Wood Roof

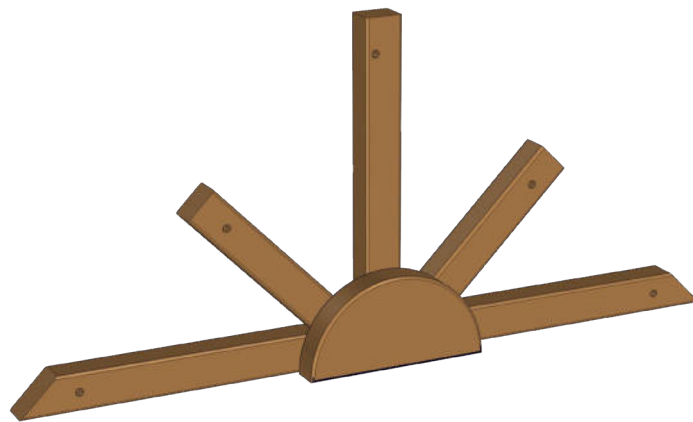


**Step 1.**  
Locate the two side panels.



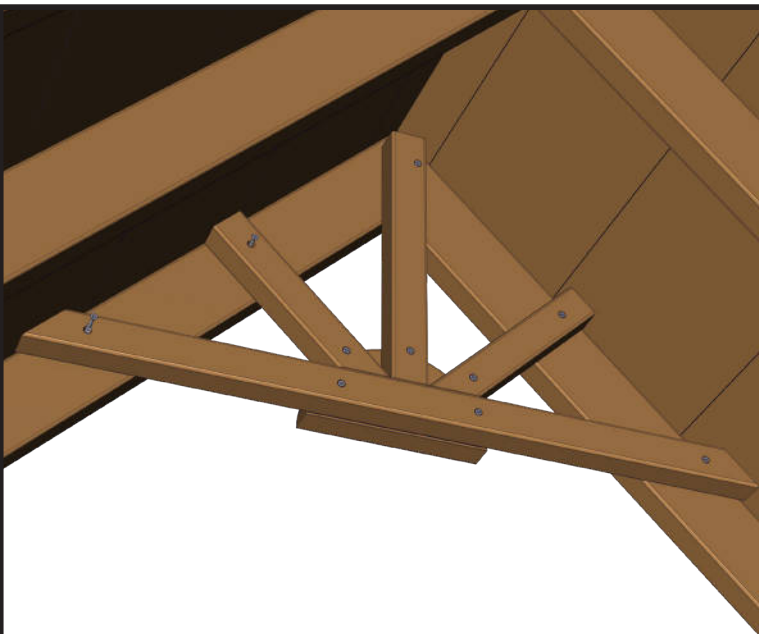
#### Step 2.

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



#### Step 3.

Locate the sunburst pieces.



#### Step 4.

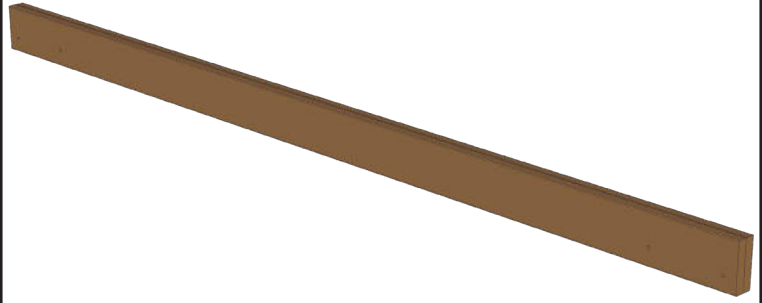
Place the sunburst pieces on the inside of the wood roof and fasten them with 2 1/2" wood screws.



#### Step 5.

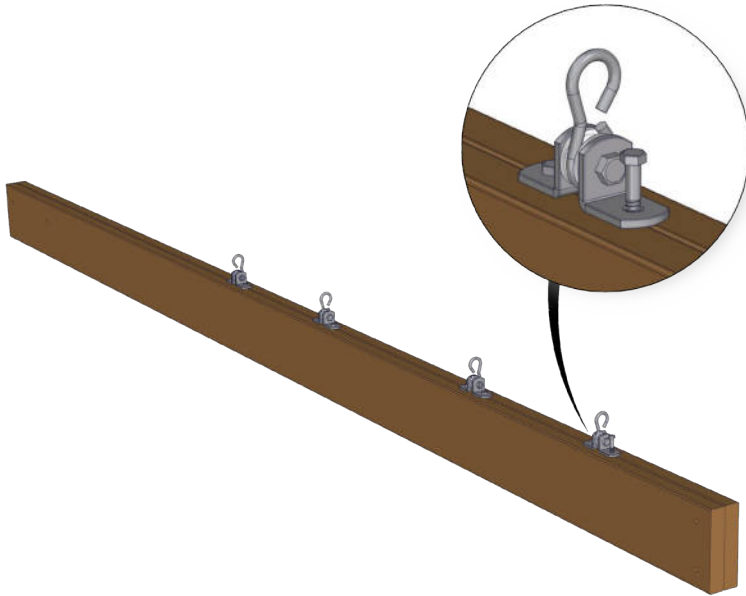
Place the wood roof on the tower as shown then fasten both sides with 1 1/2" wood screws.

## Swing Frame



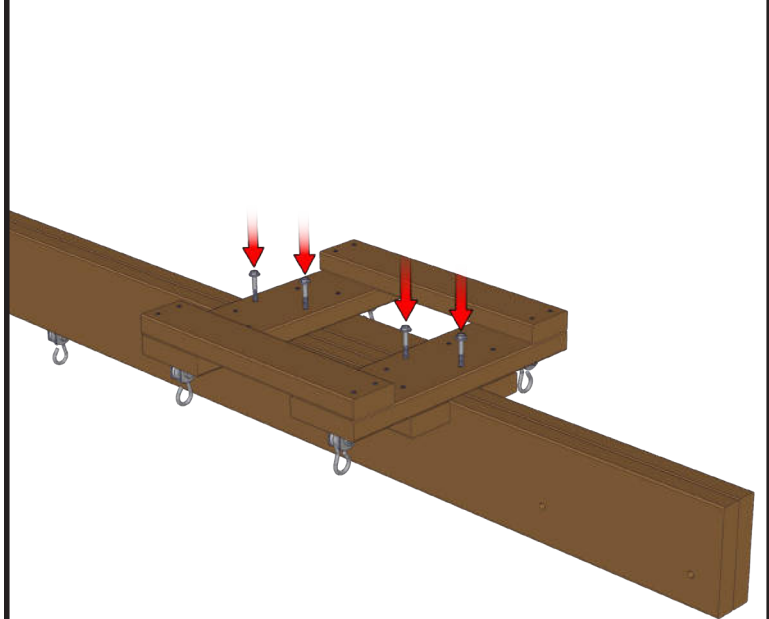
### Step 1.

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



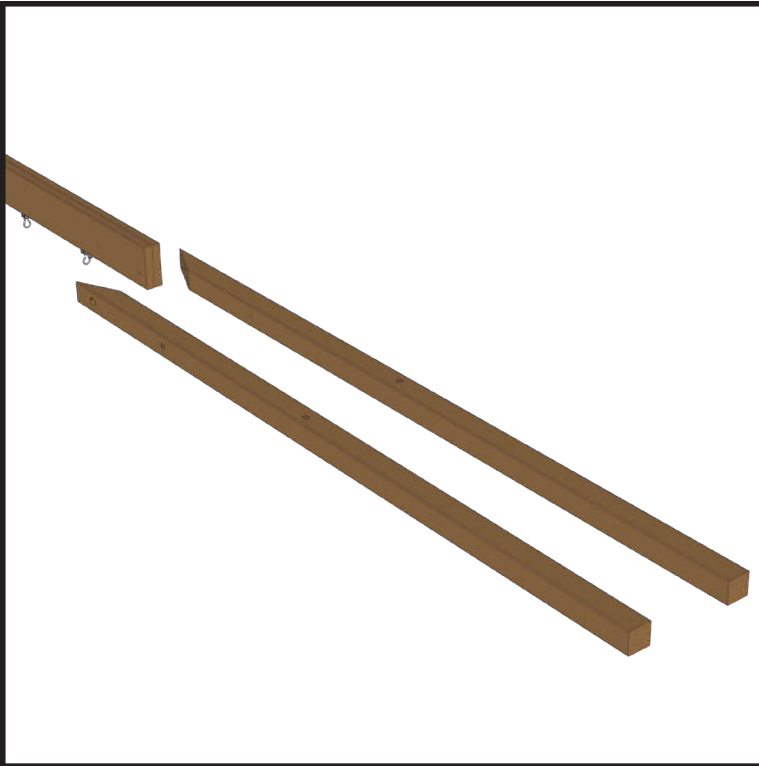
### Step 2.

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

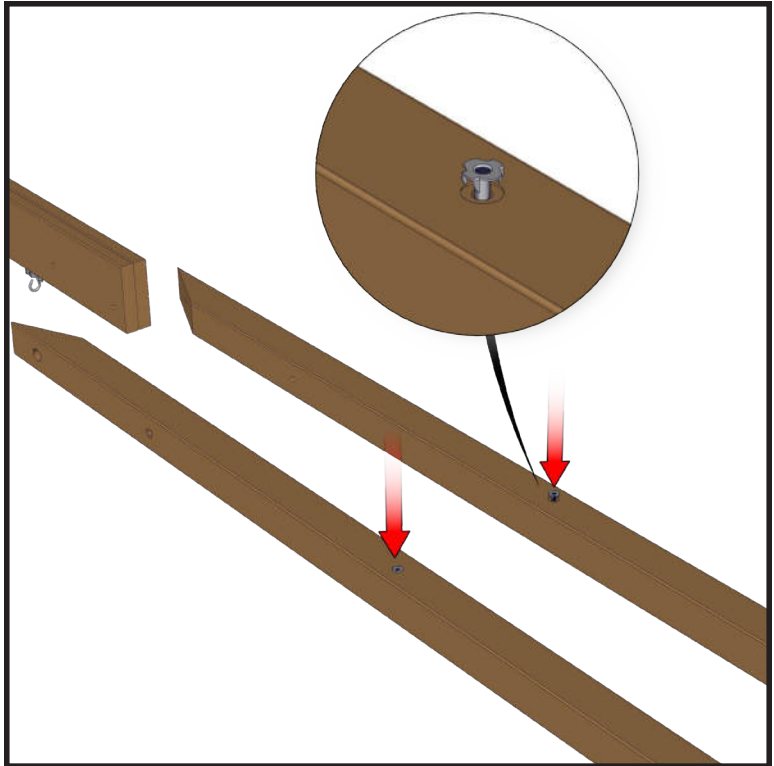


### Step 3.

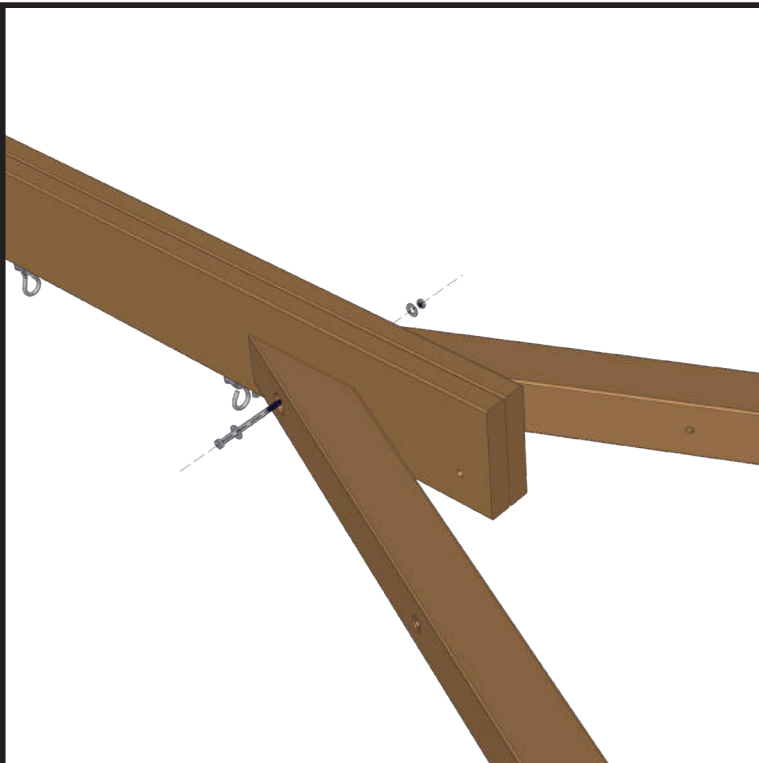
If your playset has a glider, place the glider bracket on the swing beam and fasten it with four washer head lags.



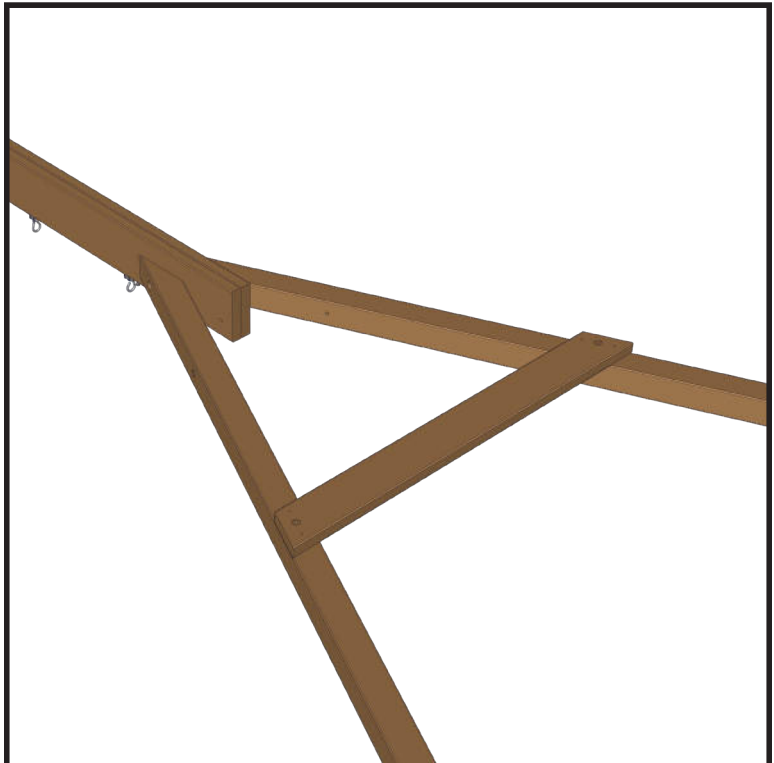
**Step 4.**  
Place two 4x4 posts at the end of the swing beam.



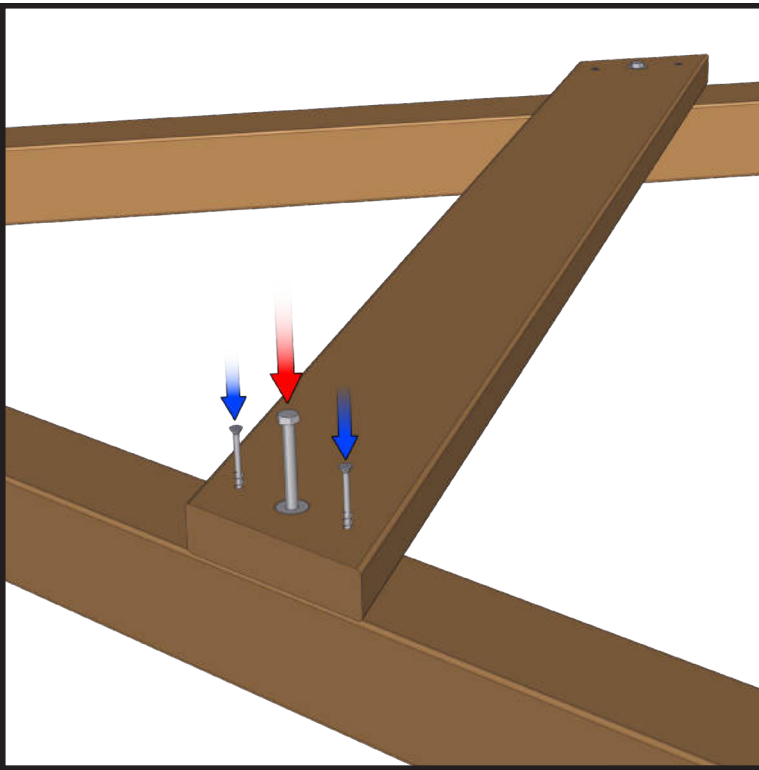
**Step 5.**  
Place a T-Nut in each pre-drilled hole on the 4x4 posts.  
Use a hammer to set them in the wood.



**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.

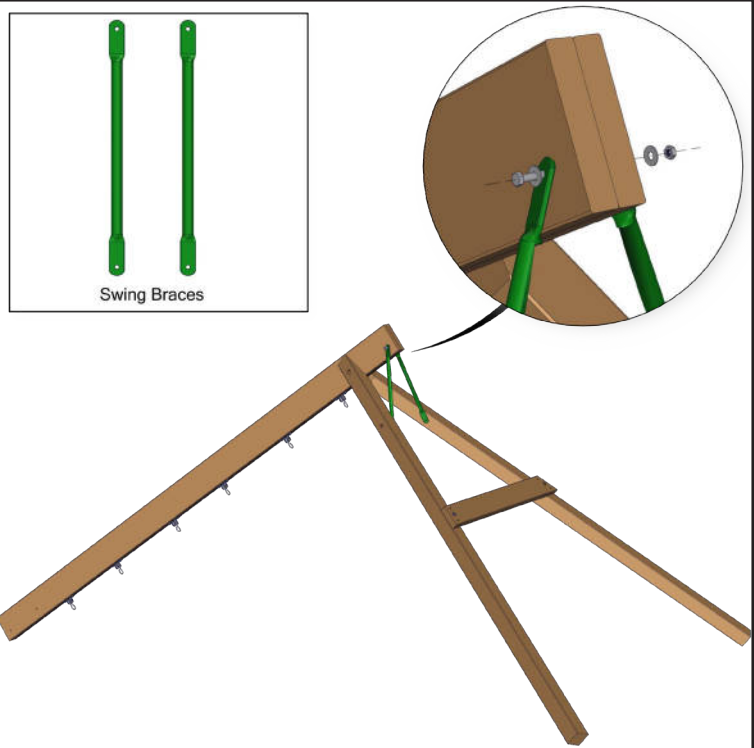


**Step 7.**  
Place the 2x6 end piece on the posts.  
Position the 2x6 so the pre-drilled holes on the posts and the 2x6 line up.



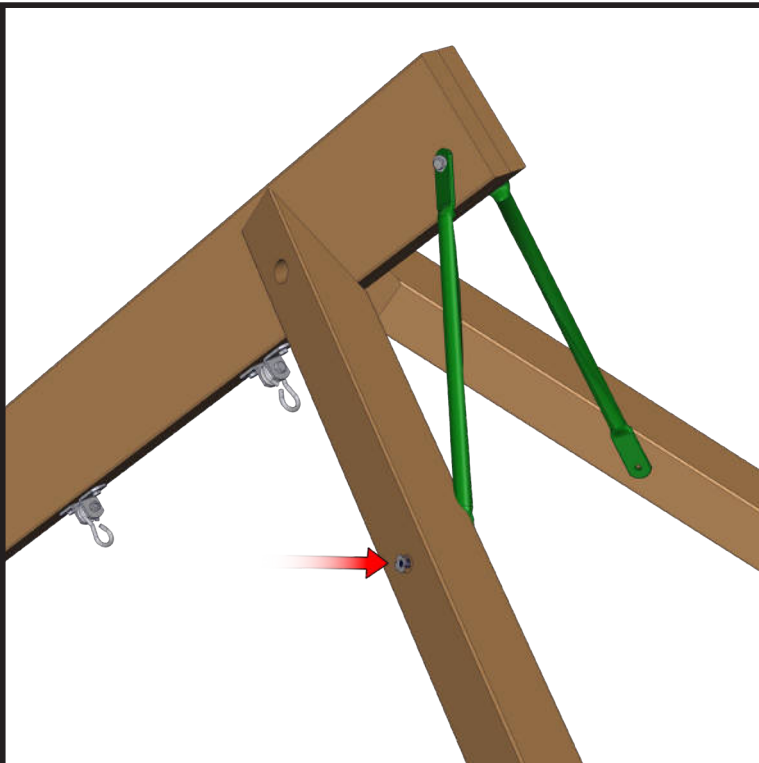
#### Step 8.

Fasten the 2x6 to the posts using a **4 1/2" bolt and washer**. Thread the bolt into the T-Nut below then use a 1/2" wrench or socket to tighten it. Finish fastening the 2x6 with a **3" wood screw** on either side of the bolt.



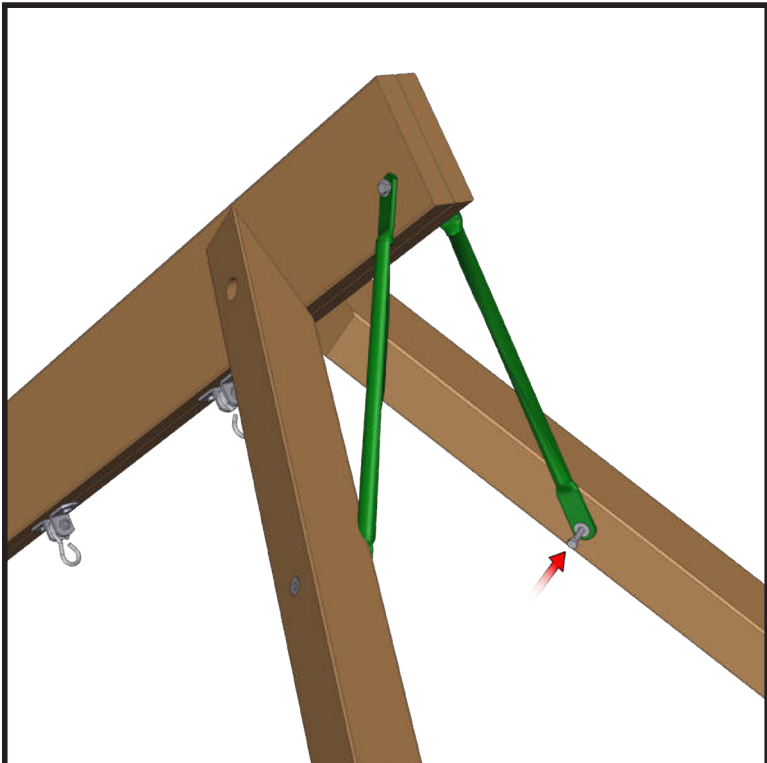
#### Step 9.

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.

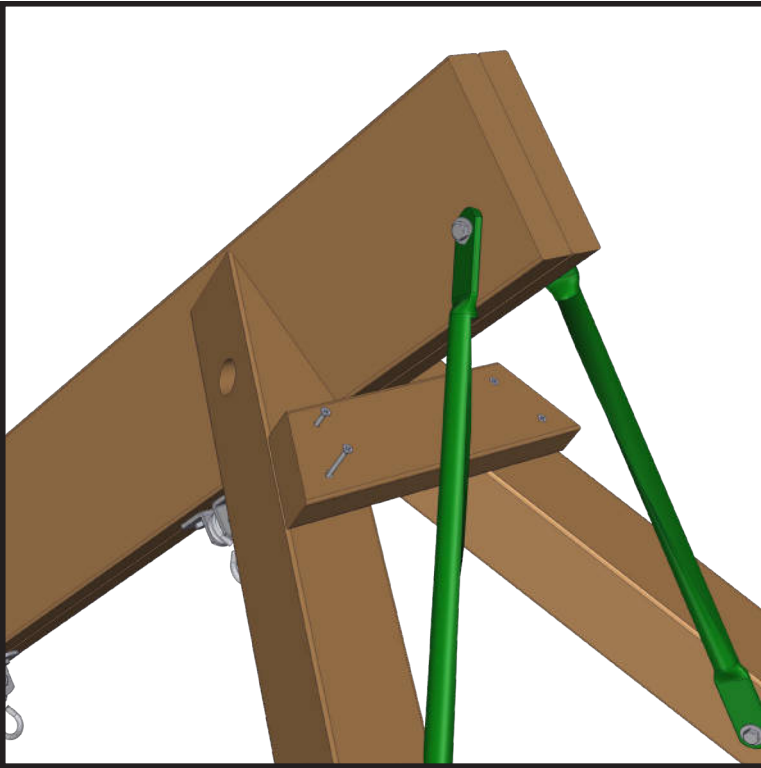
Place a T-Nut in the pre-drilled hole on the outside of each 4x4 post then use a hammer to set them into the wood.



#### Step 11.

Fasten the swing braces to the 4x4 posts using a 3 1/2" bolt and washer in the pre-drilled holes. The swing braces will need to be bent slightly using a rubber mallet.

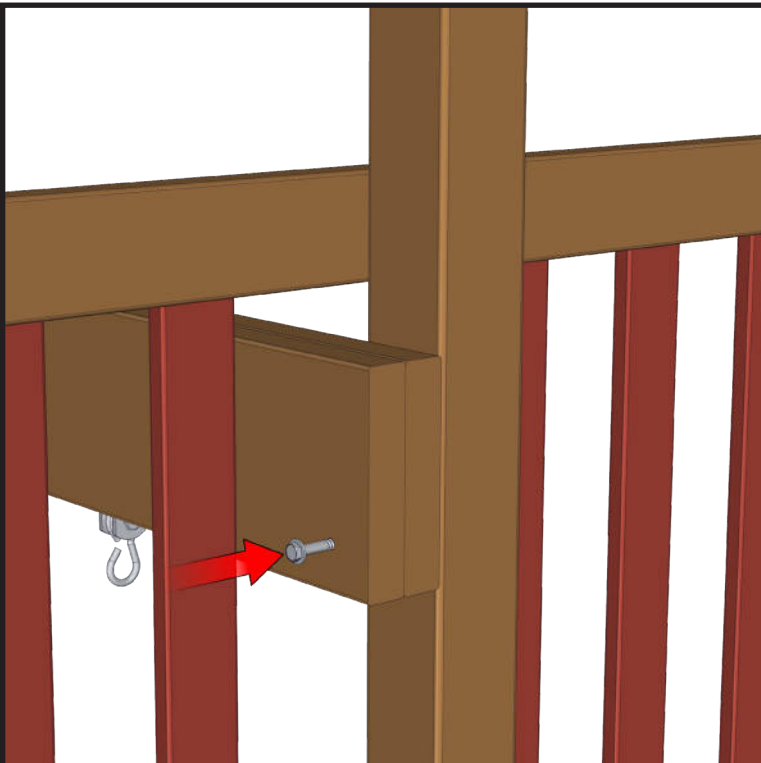
After this step tighten all the bolts on the swing frame.



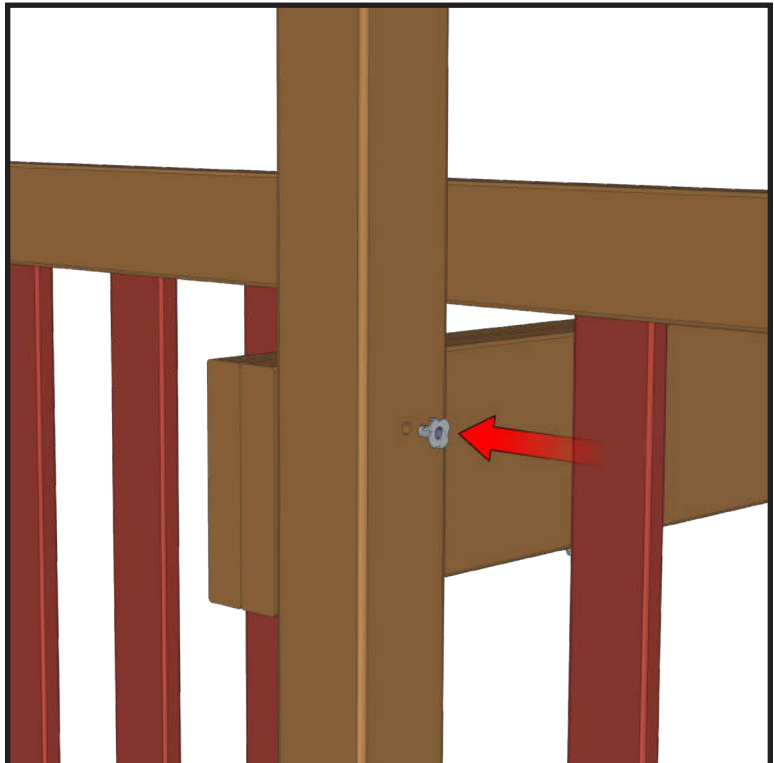
**Step 12.**  
Place the 2x4 end piece on the 4x4 posts and line it up with the posts.  
Fasten it with 3" wood screws.



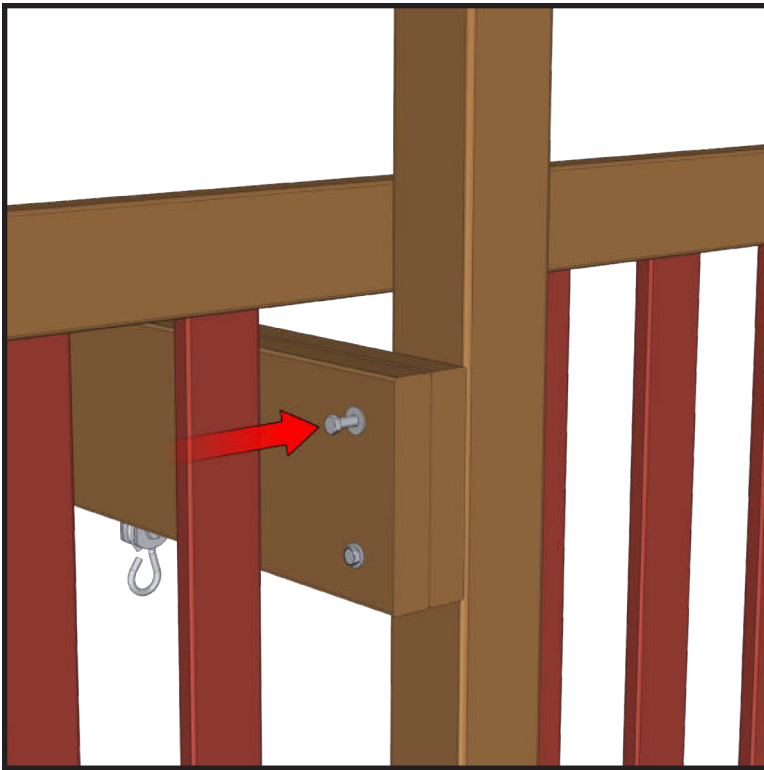
**Step 13.**  
Lift the swing frame up and place it on the tower next to one of the 4x4 posts.



**Step 14.**  
Fasten the swing beam to the 4x4 post using a hex head lag 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.

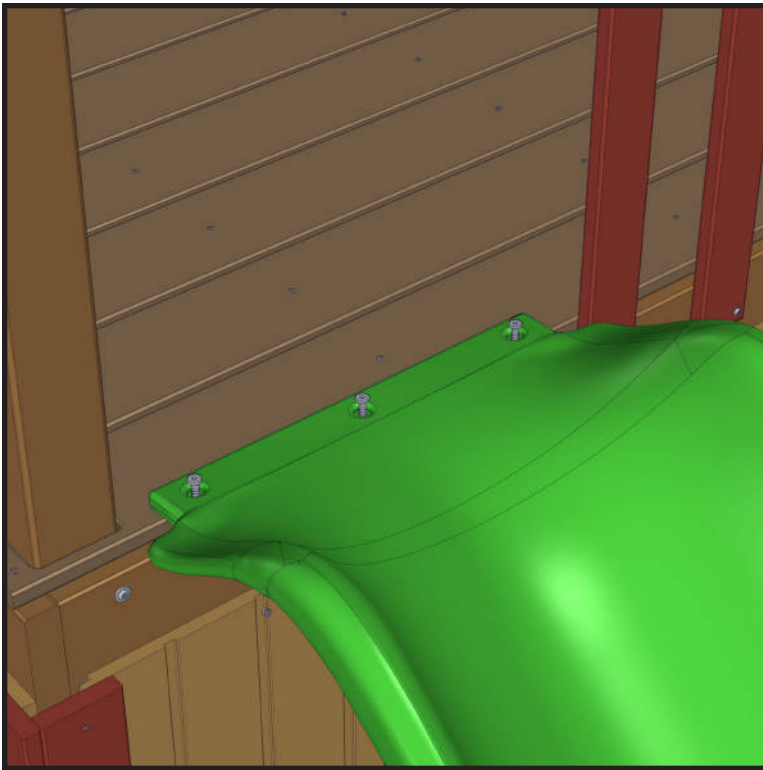


**Step 17.**  
Attach the rest of the swings to the swing bearings to finish the swing frame.

## Accessories

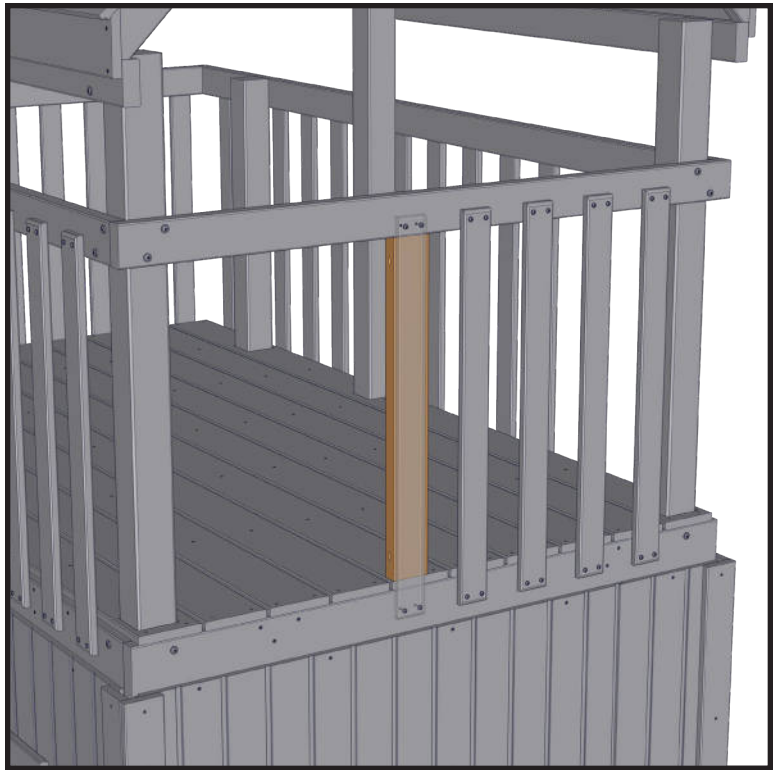


**Wave Slide**  
Place the wave slide in the opening on the side of the tower.



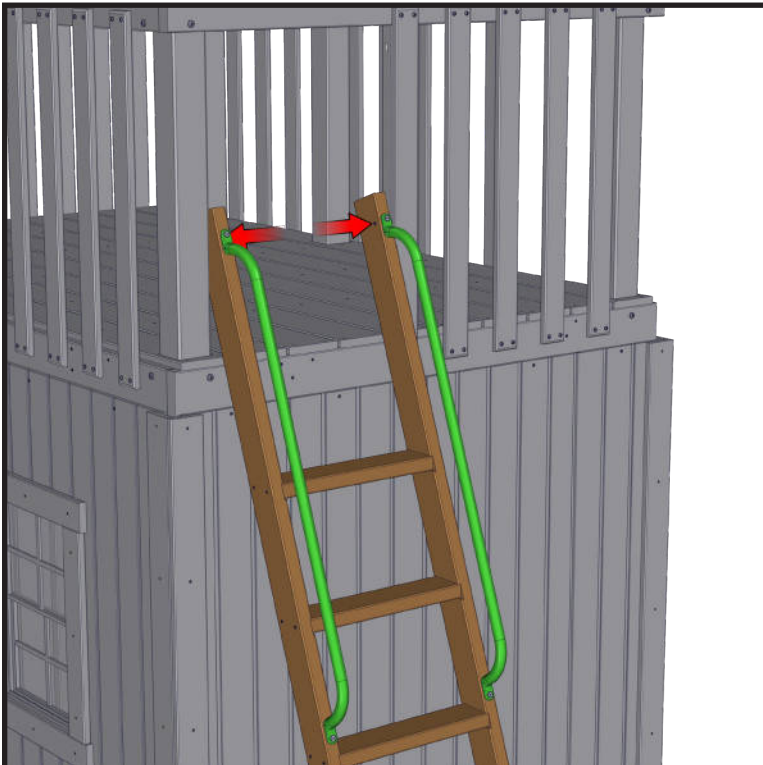
#### Wave Slide

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



#### Wood Ladder

Place a 2x4 behind the end slat on the back of the tower. Make sure the inside edge of the 2x4 is flush with the inside edge of the slat. Fasten the 2x4 to the slat using three 1 ¾" washer head screws.

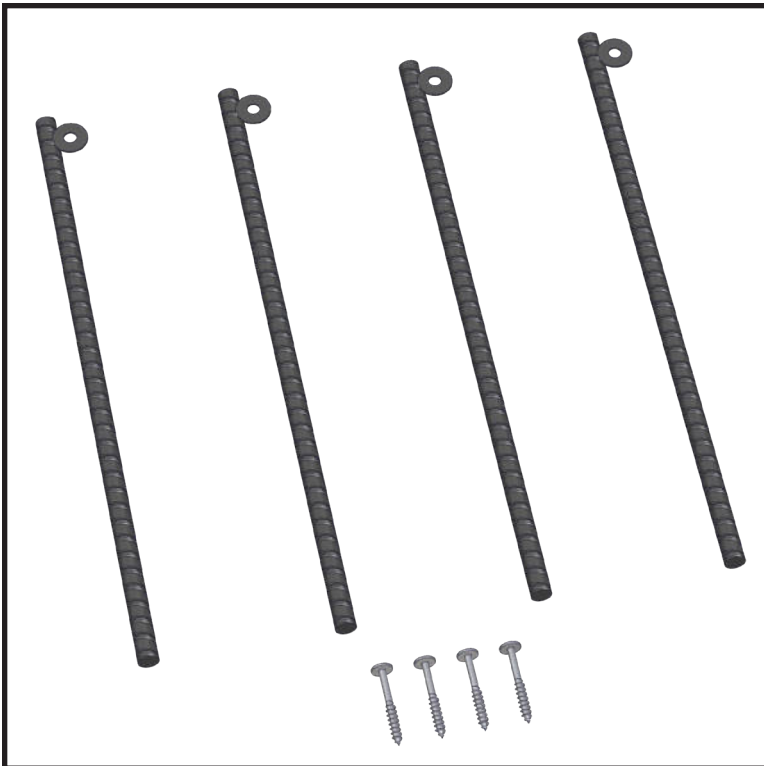


#### Wood Ladder

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.

