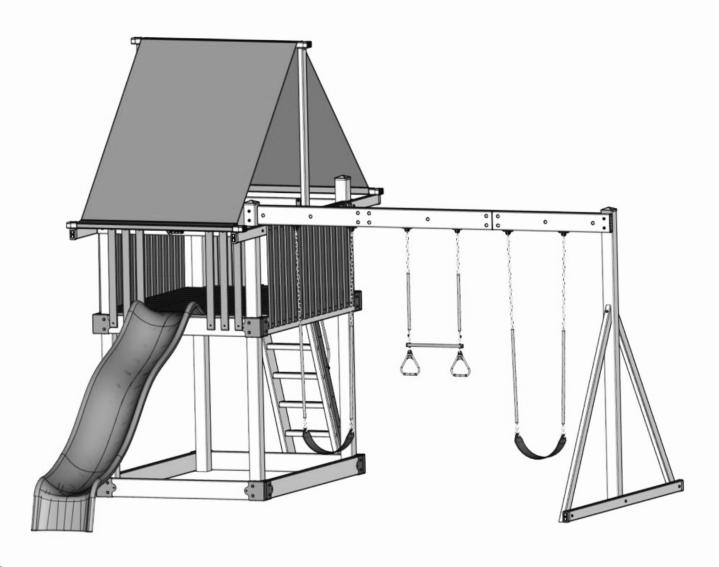
## **TRAILHEAD SERIES**

# **MODERATE 75**

Mod 75RTGO

**Assembly Manual** 



**Recommended People: 2** 

**Assembly Time: 3-4 hours** 



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#### TOOLS INCLUDED FOR **ASSEMBLY**

- #2 Square Drive Bit
- **Slat Spacer**

#### **TOOLS REQUIRED FOR ASSEMBLY**

- Impact Drill
- **Socket Attachment**
- 1/2" Socket
- 9/16" Socket
- Step Ladder
- **Tape Measure**
- **Safety Glasses**
- Level
- 9/16" Wrench
- Hammer
- **Knife or Box Cutter**

## **ABOUT US**

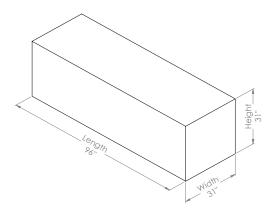
For loads of fun and family time, count on Swing Kingdom. A family operated manufacturer of premier vinyl playsets, we strive to design and build fine quality, affordable playsets perfect for children of all ages.

From the 500 square foot building where we started our business in 2000, to our current 43,000 square foot facility, Swing Kingdom has expanded to meet the growing demand for high quality, virtually maintenance-free playsets. We were the first manufacturer to combine vinyl PVC and structural wood, along with stainless steel hardware for superior strength. Today, we continue to use only the finest quality materials to ensure safe, durable playsets built to offer years of enjoyment.

Our playsets are loaded with activities that will spark every child's imagination and encourage daily physical activity and never-ending fun!

## **SUPPORT**

Support@SwingKingdom.com 717-656-4449



Skid Dimensions: 96" Length x 31" Width x 31" Height

Package Weight: 960 lbs

Version: 1.2 Last Updated: April 15, 2025

#### INTRODUCTION

Swing Kingdom's playsets are engineered from a safety first perspective. Our slip resistant vinylclad construction materials are always splinter free and no wood means no harsh chemical treatments. Stainless steel hardware brings added stability, while preventing rust and corrosion.

Our premium vinyl playsets are five times stronger than traditional wooden playsets. Each playset is manufactured with a high standard of durability and quality along with a 5-year warranty to stand behind our product.

We hope that the information on these pages will help you with assembling your Swing Kingdom playset. If you are unable to find the answers to your questions here when building, please contact your local authorized Swing Kingdom dealer, or call us direct at 717-656-4449.

#### WARRANTY

Subject to ordinary residential use and proper installation.

Swing Kingdom warrants to the original purchaser at the original installation address, that the structural components of the playset, such as the PVC vinyl and wood components are covered by a 5-year warranty. In addition, all canopies, slides, metal components, swings and accessories are warranted for 5 years from date of original purchase.

Swing Kingdom's products are not warranted as being suitable for a particular purpose. The suitability of the product is for the purchaser to determine. This warranty does not cover normal wear and tear, failure to properly maintain the product, or damage resulting from misuse or abuse of the product, additionally any acts of nature such as lightning, storms, hurricanes, tornadoes, earthquakes or any extreme weather conditions. Also any alteration, additions or relocation of the product will void this warranty.

Swing Kingdom reserves the right to examine photographs and/or physical evidence of the product claimed to be defective, and to recover product prior to any warranty claims. All products returned for inspection must be sent freight prepaid. In the event of a defect covered by these warranties, Swing Kingdom will remedy the defect within a reasonable time. The remedy will consist of repair or replacement of the defective piece unless it is not practical. Then Swing Kingdom will reimburse the original purchaser for the value of the defective piece.

All freight cost of replacement parts are not covered under warranty and will be the purchaser's responsibility to cover.

Adult supervision is recommended while enjoying your play system.

#### WARNING

- This instruction manual contains important information necessary for the proper assembly and safe use of the playset.
- · Read and follow all warnings and instructions before assembling.
- Follow all warnings and instructions.
- · Keep this manual for future reference.

### SAFETY WARNING

Failure to follow these instructions could result in faulty equipment, which could cause property damage, personal injury or death! Remember: Think Safety and Use Common Sense!

#### Prevent Serious Injury or Death and Equipment Damage When Installing

- Work on dry sunny days to minimize the risk of slipping.
- Move items close to your body and use your legs when lifting an item from a low location.
- Avoid twisting, especially when bending forward while lifting. Turn by moving the feet rather than twisting the torso.
- Keep your elbows close to your body and keep the load as close to your body as possible.
- Limit weight you lift to no more than 50 pounds. When lifting product heavier than 50 pounds, use two or more people to lift the product up.
- Use personal protective equipment and clothing such as safety helmets, gloves, safety goggles, ear protection, and safety footwear.

#### **Maintenance**

It is of particular importance that these guidelines be followed at the beginning of each season as well as at regular intervals during the usage season:

- Check all nuts and bolts for tightness and tighten when required.
- Check all coverings for bolts and sharp edges and replace when required.
- Check swing seats, chains, ropes and other means of attachments for evidence of deterioration.
- Replace defective parts in accordance with the manufacturer's instructions.

#### **General Safety Precautions**

Users who use hand and power tools and who are exposed to the hazards of falling, flying, abrasive and splashing objects, or exposed to harmful dusts, fumes, mists, vapors, or gases must be provided with the particular personal equipment necessary to protect them from the hazard.

All hazards involved in the use of power tools can be prevented by following five basic safety rules:

- Keep all tools in good condition with regular maintenance.
- Use the right tool for the job.
- **Examine each tool for damage before use.**
- Operate according to the manufacturer's instructions.
- Provide and use the proper protective equipment.

#### **Fasteners**

When using power tools to apply fasteners, there are some precautions to consider:

- Fasteners must not be fired into material that would let them pass through to the other side.
- The fastener must not be driven into materials like brick or concrete any closer than 3 inches to an edge or corner.
- In steel, the fastener must not come any closer than one-half inch from a corner or edge.
- Fasteners must not be driven into very hard or brittle materials which might chip, splatter, or make the fastener ricochet.

#### **Tower Hardware**

(40) 9/16" x 4" Lags (8) 9/16" x 3" Lags (48) 3/8" Washers (24) 13/4" Washer Head Screws



#### **Poly Slat Hardware** (84) 1 3/4" Washer Head Screws



#### **Ladder Hardware** (6) 13/4" Washer Head Screws



#### **Roof Hardware**

(6) 9/16" x 4" Lags (6) 3/8" Washers (4) 1/2" x 1 1/2" Lags (4) 5/16" Washers



#### **Swing Frame Hardware**

(4) 9/16" x 6 1/2" Bolts (4) 9/16" Locking Nuts (3) 9/16" x 4" Lags (15) 9/16" x 3" Lags (26) 3/8" Washers (13) 1" Hole Plug



#### Floor Hardware

(146) 2" Polybuster Screws



#### **Slide Hardware**

(3) 1/4" x 1 1/4" Pan Head Screw (3) 5/16" Washers



#### **Playset Stakes**

(2) Stakes (2) 1/2" x 1 1/2" Lags (2) 5/16" Washers



#### **PARTS LIST**

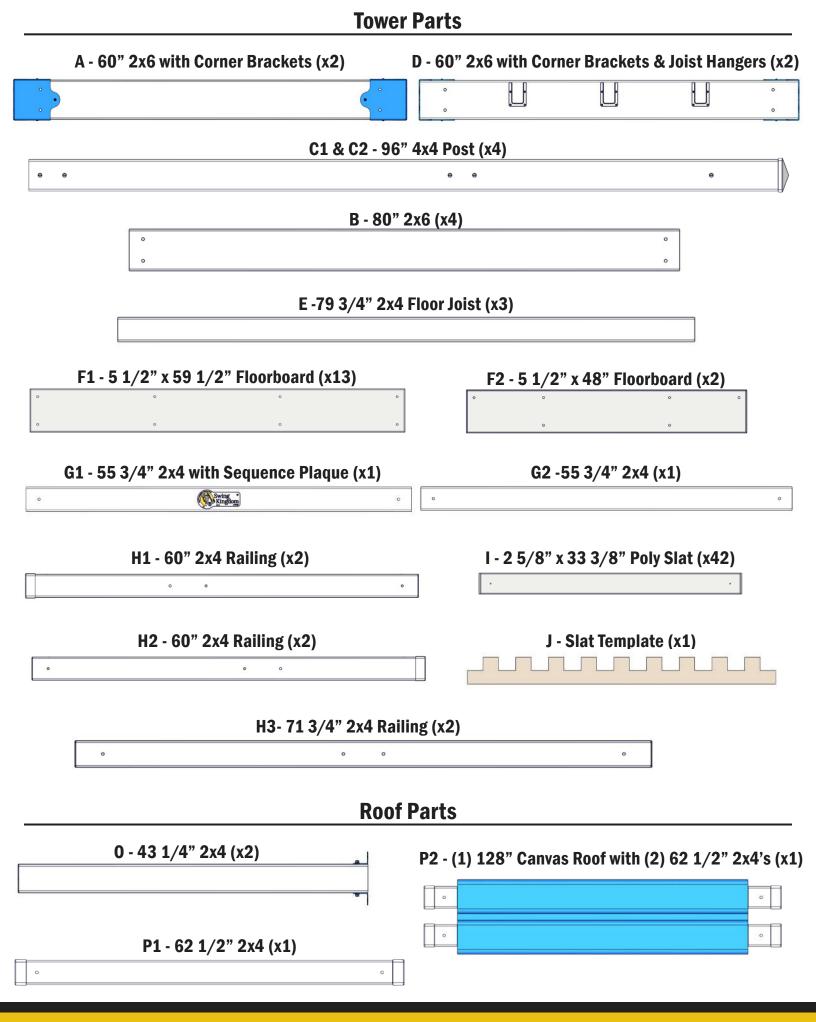
Tower		
Parts	Quantity	
96"4x4 Post	4	
60" 2x6	4	
80" 2x6	4	
79 3/4" Joist	3	
60" 2x4 Railing	4	
71 3/4" Railing	2	
55 3/4" Railing	2	
5 1/2" x 59 1/2" Floorboard	13	
5 1/2" x 48" Floorboard	2	

Swing Frame		
94" 2x6 Swing Beam	1	
96" 4x4 End Post	1	
96" 2x4	1	
80" 2x4 Brace	2	

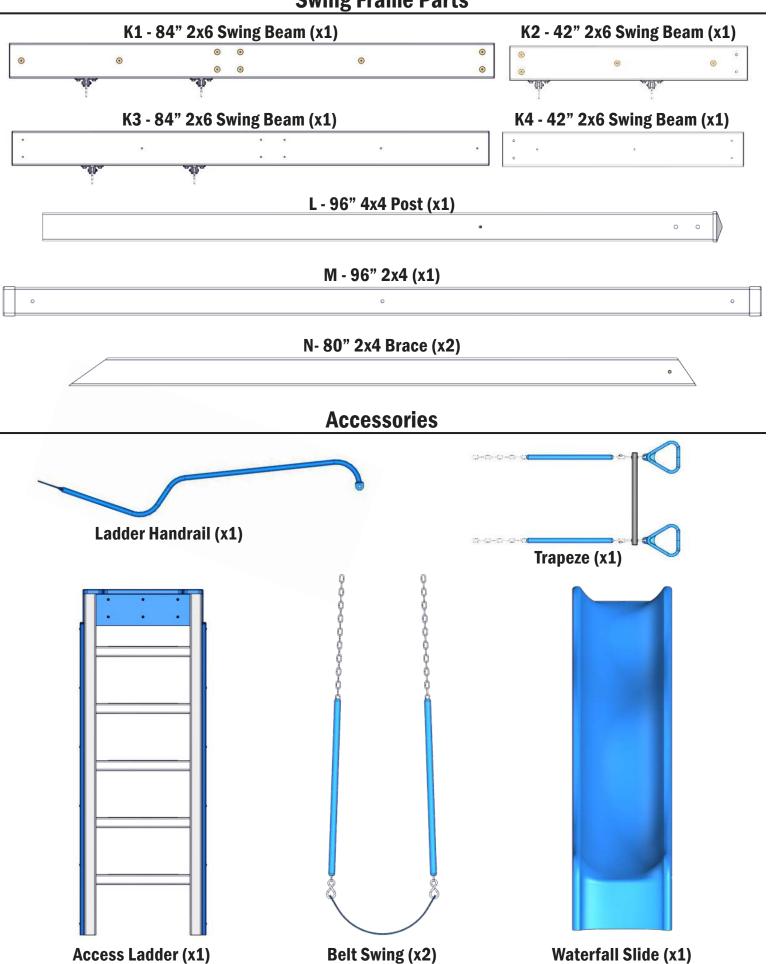
Accessories	
Waterfall Slide	1
Access Ladder	1
Belt Swings	2
Trapeze	1
Poly Slat	42
Stake	2

Roof	
Canvas Roof	1
62 1/2" 2x4	3
43 1/4" 2x4	2

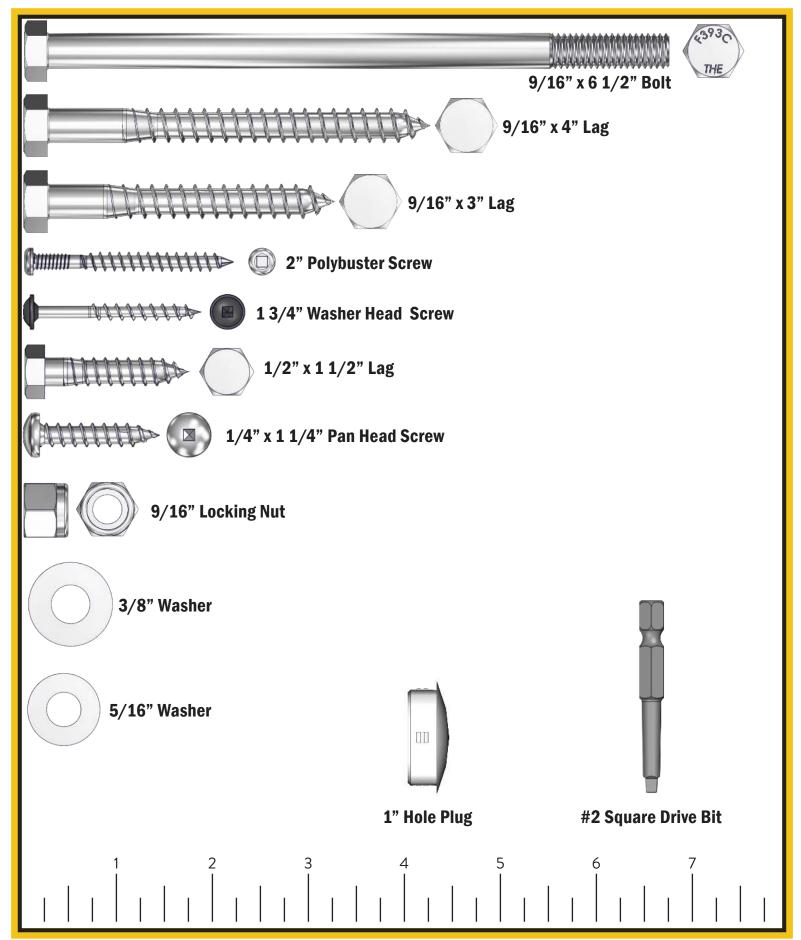
Hardware Packs
Tower Hardware
Floor Hardware
Poly Slat Hardware
Roof Hardware
Swing Frame Hardware
Ladder Hardware
Slide Hardware



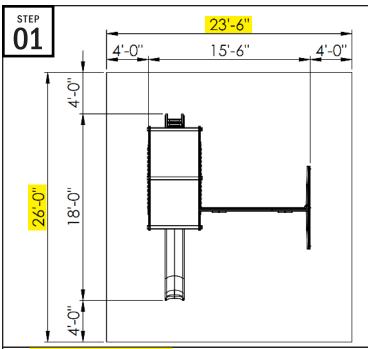
## **Swing Frame Parts**



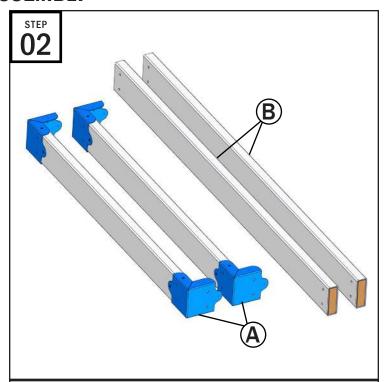
#### **HARDWARE**



#### **TOWER ASSEMBLY**



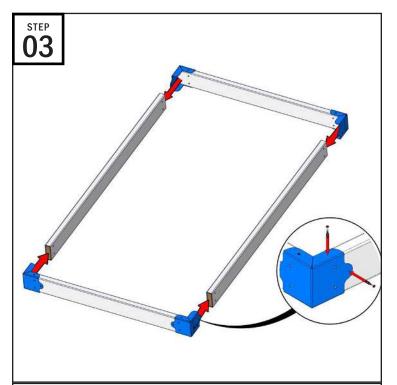
- Review the dimensions above (4ft is our recommended space around the playset. CPSC recommends 6ft. You may need to review your local laws or guidelines for more assistance.)
- Find a level surface. (You may need to dig out high areas or use treated lumber to block up low areas to make your surface level.)
- Determine where you want the front & back of the playset.
- Lay out each bundle. (Don't unwrap the bundles until you reach the appropriate step. Only cut in the creases to avoid damaging items.)



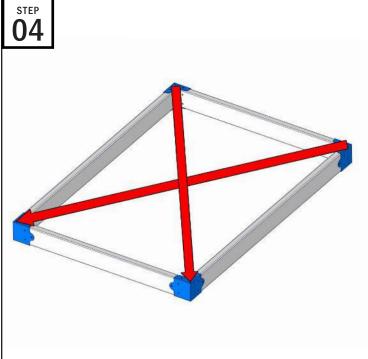
Locate and prepare the "Base Bundle" which includes...

- A: (2) 60" 2x6 with Corner Brackets
- B: (2) 80" 2x6

Also locate the "Tower Hardware" bag to be used until step 12.

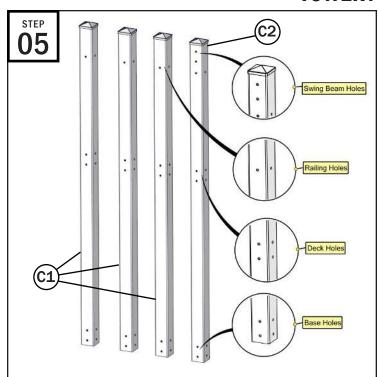


- Arrange the items so that all 2x6s fit inside the corner brackets.
- Push the 2x6s into the corner brackets. The large holes in the corner brackets should line up with the holes in the 2x6.
- Using the #2 Drive Bit, fasten the bracket to the 2x6 with (2) Washer Head Screws into the small screw holes in the bracket.
- Repeat the last 2 steps on the remaining 3 corners.



- To check if the base is square, measure from corner to corner, then measure the opposite corner to corner.
- If one corner measurement is larger than the other, then push in the corners with the larger measurement.
- Repeat until the base is as square as can be (the corner to corner measurements are equal.)

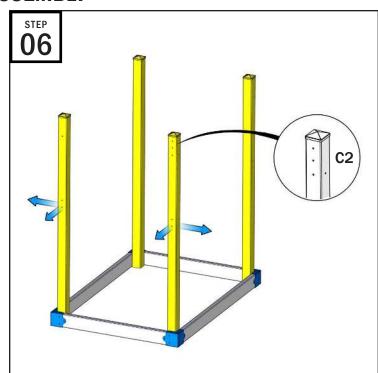
#### **TOWER ASSEMBLY**



Locate the "Post Bundle 1 & 2" which includes...

- C1: (3) 96" 4x4 posts
- C2: (1) 96" 4x4 post with Swing Beam Holes

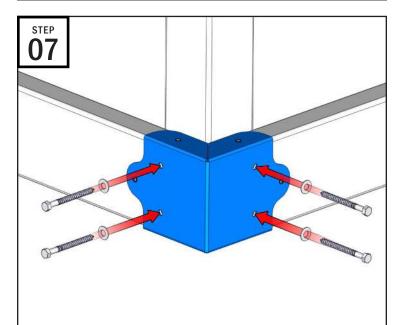
Note the holes shown above for later reference.



The 4x4 posts should be positioned with the following specifications.

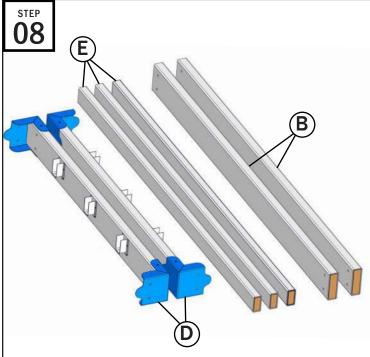
- Each post will be oriented so the pre-drilled holes are facing outward.
- "C2" has extra holes for the swing beam and will need to be installed at the front right corner of the tower. The top 2 holes will face with the front and back of the playset.

You will need to place the posts 1 at a time.



Note: DO NOT OVER-TIGHTEN. Fasten them enough so the parts touch. If the vinyl starts to dent or dimple, you know it is tight enough.

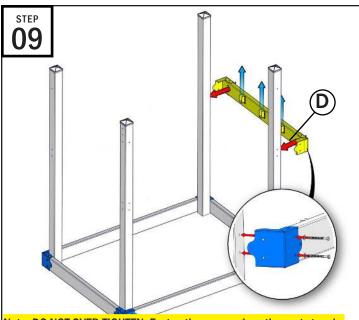
- Press the bottom of the 4x4 against the inside corner of the base.
- Fasten the 4x4 posts to the 2x6 using (4) 9/16" x 4" Lags with 3/8"
- Between fastening each Lag, use a level on the 4x4 post. You may need to push the post to get it level (It doesn't have to be perfect. The post will correct itself through future steps.)
- Repeat for the remaining 3 corners.



Locate and prepare the "Floor Bundle" which includes...

- B: (2) 80" 2x6
- D: (2) 60" 2x6 with Corner Brackets & Joist Hangers
- E: (3) 79 1/2" 2x4 Joists

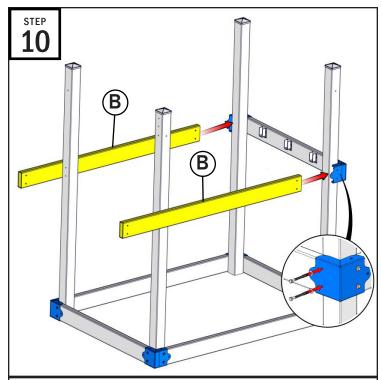
#### **TOWER ASSEMBLY**



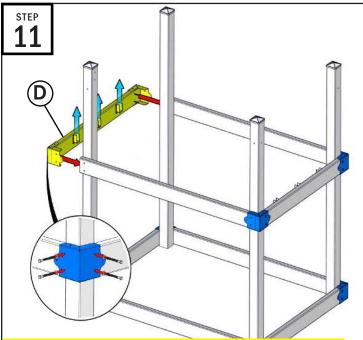
Note: DO NOT OVER-TIGHTEN. Fasten them enough so the parts touch. If the vinyl starts to dent or dimple, you know it is tight enough.

- Place one of the "D" items on the front or back of the tower. Make sure the joist holders are on the inside of the tower with the joist openings are facing upwards.
- Using (4) 9/16" x 4" Lags & 3/8" Washers, drill into the large holes of the 2x6 so that the tip of the lags are showing on the other side.
- Use the tip of the lags to find the holes on the 4x4 post.
- Fasten the Lags the into the 4x4 post.

Note: Do not fasten the side that doesn't have a 2x6 post in.

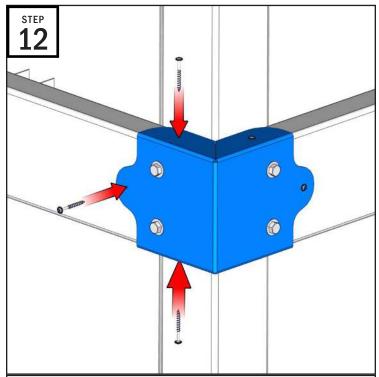


- Place "B" in the open ends of the corner brackets.
- Using (4) 9/16" x 4" Lags & 3/8" Washers, drill into the large holes of the on the side with the corner brackets to fasten "B" to the 4x4 posts. (the side without the corner bracket will be fastened in the next step)
- Repeat on the 2nd "B" item.



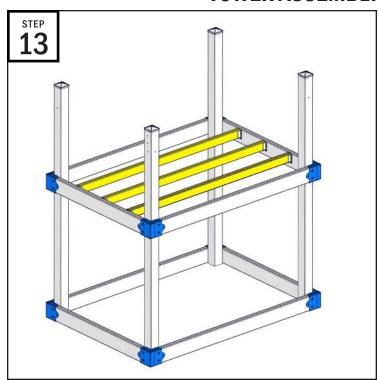
Note: DO NOT OVER-TIGHTEN. Fasten them enough so the parts touch. If the vinyl starts to dent or dimple, you know it is tight enough.

- Place the other "D" item on the remaining side of the tower, fitting the corner brackets over the 2x6. Make sure the joists are facing up.
- Using (4) 9/16" x 4" Lags & 3/8" Washers, repeat the same fastening and alignment tips from step 9 to fasten to the 4x4 posts.
- Finish fastening the remaining sides to the 4x4 posts.



- Using the #2 Drive Bit, finish fastening the Brackets into the 2x6s with (3) Washer Head Screws (one side will already have screws).
- Repeat on the remaining 3 corners.

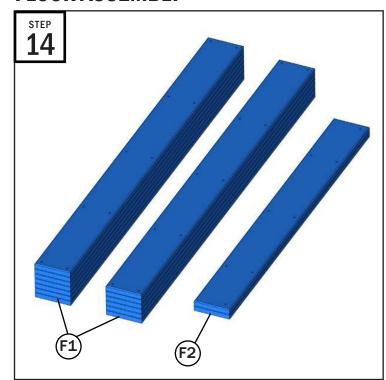
#### TOWER ASSEMBLY - FLOOR ASSEMBLY



You will have 3 joists remaining (E). Place these on the joist hangers.

You have now completed the main tower frame. The tower should look like the image above.

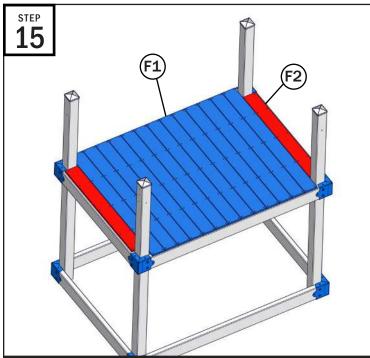
Continue to start the Floor Assembly



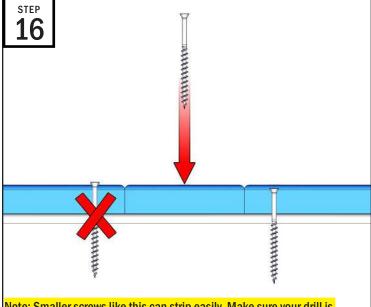
Locate and prepare the "Floorboard Bundle" which includes

- F1: (13) 5 1/2" x 59 1/2" Floorboards
- F2: (2) 5 1/2" x 48" Floorboards

Also locate the "Floor Hardware" bag.



- Place all the "F1"s between the 4x4 posts, perpendicular from the joists below them.
  - Place "F2" on the edges. Make sure the corner holes are facing the outside of the tower.
- Center the floorboards. The boards are not 100% accurate. Run your fingers along both sides of the floorboards and adjust them one by one to make them as centered as possible.

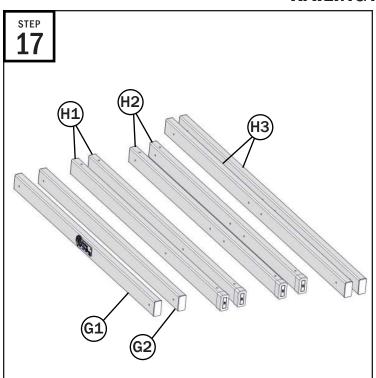


Note: Smaller screws like this can strip easily. Make sure your drill is aligned straight up and down with the screw. Stripping screws can damage the bit and cause more screw stripping.

- Center one of the corner "F1" boards and use the #2 Drive Bit to drill (1) Polybuster Screw into a pre-punched corner hole.
- Repeat with the neighboring "F1", adjusting to center all boards.
- Drill the remaining screws into the pre-punched holes. Each hole will line up with the joists and base boards underneath.

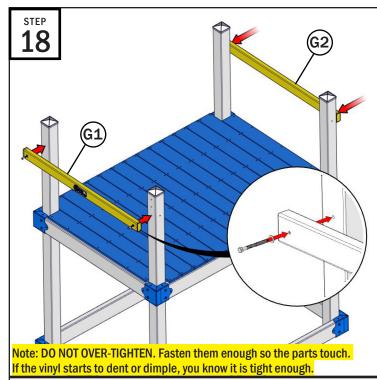
Note: Fasten the screws so the head of the screw is below the surface of the deck as shown above.

#### **RAILING ASSEMBLY**

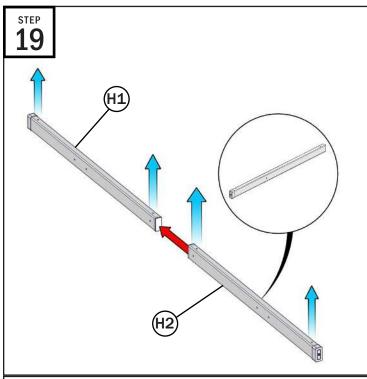


Locate the "Railing Bundle". This bundle will include:

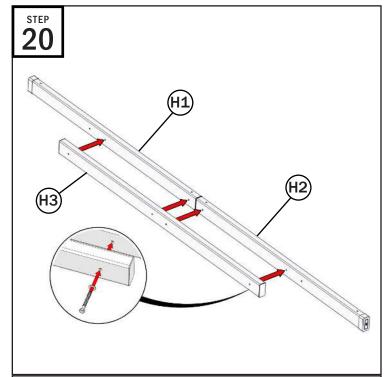
- G1: (1) 55 3/4" 2x4 with Sequence Plaque
- G2: (1) 55 3/4" 2x4
- H1: (2) 60" 2x4 (with extra holes on one side)
- H2: (2) 60" 2x4 (with mirrored extra holes)
- H3: (2) 71 3/4" 2x4



- Place "G1" on the front of the tower with the plaque facing outward. Align the holes with the 4x4 holes.
- Do the same with "G2", except on the back of the tower.
- Fasten both onto the 4x4 posts with (4) 9/16" Lags & 3/8" Washers (2 each side).

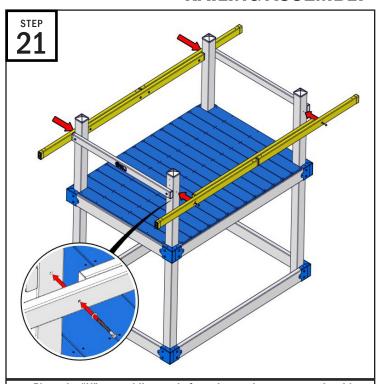


- "H1" & "H2" are the same, but mirrored. One of the sides will have more holes than the other. Both will have holes on one of the thin sides.
- Place them together so the flat caps touch. The holes on the shorter side will face up. The thicker sides with more holes will be on the same side.

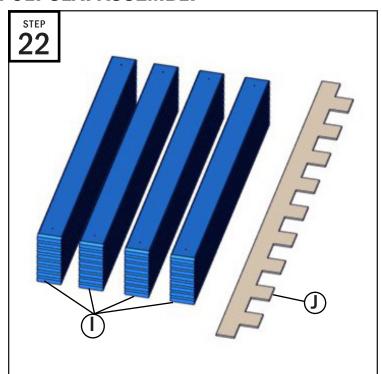


- "H3" will have through holes tho match the holes that don't go all the way through on "H1" & "H2"
- Fasten them together using (4) 9/16" x 3" Lags & 3/8" Washers.
- Repeat steps 19 & 20 to create a 2nd "H" assembly.

#### **RAILING ASSEMBLY - POLY SLAT ASSEMBLY**



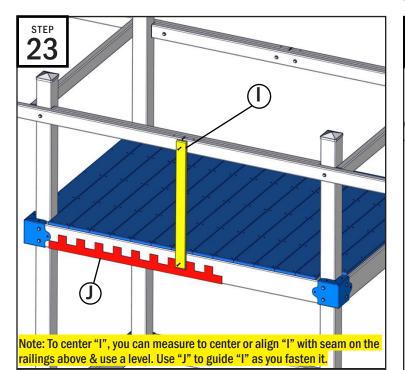
- Place the "H" assemblies made from the previous steps on the sides of the tower. "H3" will fit between the 4x4 posts.
- Fasten both onto the 4x4 posts with (4) 9/16" x 4" Lags & 3/8" Washers (2 each side).



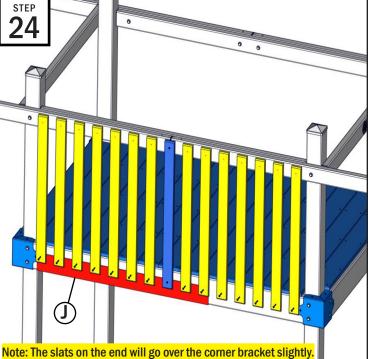
Locate the "Poly Slat Bundle". This bundle will include:

- I: (42) 3/4" x 2 5/8" x 33 3/8" Poly Slats
- J: (1) Poly Slat Template

Also locate the "Poly Slats Hardware" bag.

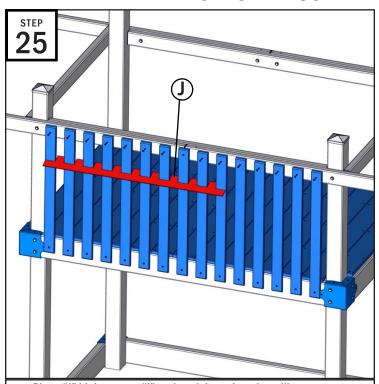


- Use the #2 Square Drive Bit, drill 2" Washer Head Screws into "I" just enough so it is not or is barely protruding through the other side.
- On one of the sides, place (1) "I" in the center of the railing.
- Align "J" flush with the bottom of the 2x6 board with "I" fitting inside one of the grooves. Use a clamp, or have a 2nd person hold "J".
- Verify the alignment of "I" by using a level (see center notes above).
- Fasten the bottom 2" Washer Head Screws into the 2x6 board.



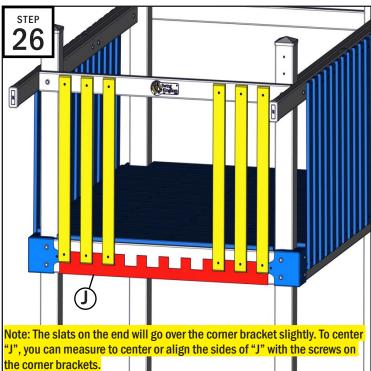
- Using the center "I" as a marker, keep "J" aligned with the bottom of the 2x6 board.
- One by one, place another "I" in the groove of "J"
- Fasten "I" into the bottom 2x6 board by drilling the 2" Washer Head Screws the rest of the way.
- Move "J" around to get 7 "I"s on each side of the centered "I".

#### **POLY SLAT ASSEMBLY - LADDER ASSEMBLY**



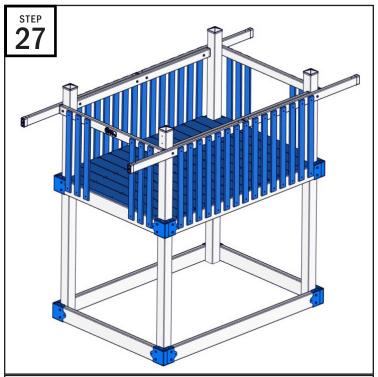
- Place "J" higher up on "I" and push it against the railing.
- Use a level to align "I" to be perfectly vertical.
- Repeat steps 19 to 21 on the other 7ft side of the tower.

Note: 15 slats with 2 screws per slat are used on this side.



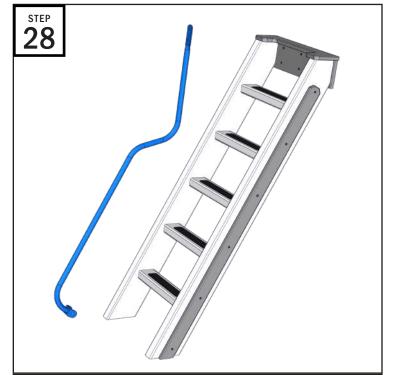
- Place "J" centered along the front of the tower (see center notes above) flush with the bottom of the 2x6 board.
- Repeat the last 2 steps to fasten 6 "I"s to the front of the tower.
- Repeat this step on the back of the tower using the same layout.

Note: See step 23 to see the full slat layout.



With the slats, the tower should look as shown above.

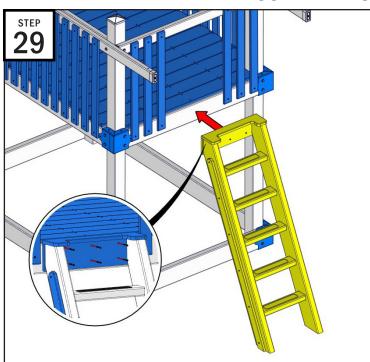
Note: 15 slats will be used on one 7ft side. 6 slats will be used on the front side and 6 on the back with a gap in the middle.



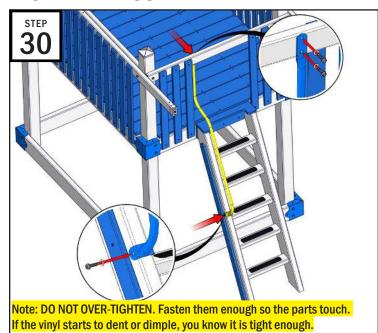
#### Locate the following:

- Access Ladder
- Access Ladder Handrail (which includes handrail hardware)
- Ladder Hardware bag

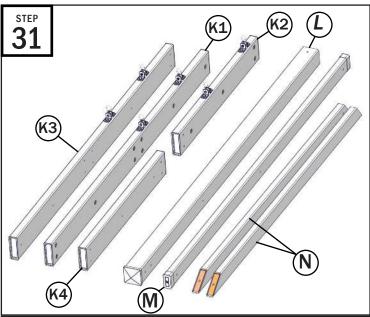
#### LADDER ASSEMBLY - SWING FRAME ASSEMBLY



- Place the Ladder on the back of the tower with the bottom of the Ladder touching on the ground and the top of the ladder aligned with the Tower Deck and centered on the tower.
- 1 person may need to support the ladder.
- Using the 2 Square Drive Bit, drill (6) 2" Washer Head Screws through the pre-punched holes on the ladder into the tower 2x6.



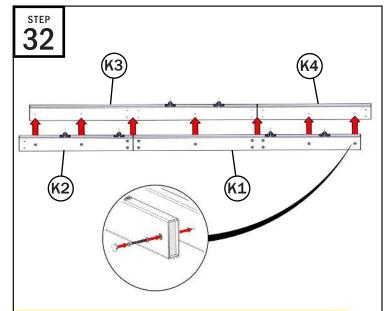
- Decide which side you want the handrail (left side in image).
- Place the channel of the handrail around the ladder side of your choosing with the top of the handrail on the inside of the tower railing.
- The holes should be evenly spaced from the sides of the railing. You may want to use a level to vertically align the handrail.
- Using (2) 1/2" x 1 1/2" Lags & 5/16" Washers, fasten the top of the handrail into the tower railing.
- Using (1) 1/2" x 1 1/2" Lags and 5/16" Washer, fasten the handrail channel through the outer edge of the ladder.



Locate the "Swing Beam" & "Swing Frame" Bundles, which will include:

- K1: (1) 84" 2x6 with large holes
- K2: (1) 42" 2x6 with large holes
- K3: (1) 84" 2x6 with small holes
- K4: (1) 42" 2x6 with small holes
- L: (1) 96" 4x4 Post
- M: (1) 96" 2x4
- N: (2) 80" 2x4 Braces

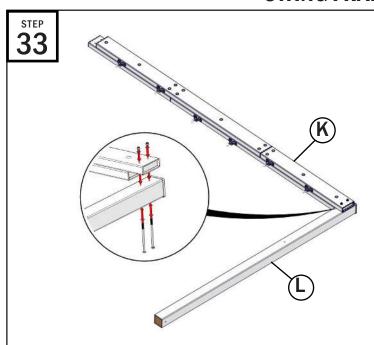
Also locate the "Swing Frame Hardware" bag.



Note: It is very important that the items are placed correctly. Note all hole and swing hook locations. (Swing hooks facing up, large holes on "K1"&"K2" facing away from "K3"&"K4", holes on "K3"&"K4" facing towards "K1"&"K2".)

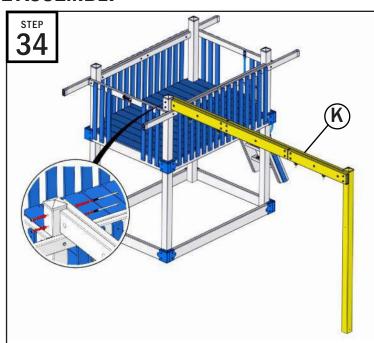
- Place "K" items as shown above. The large holes on "K1" & "K2" will line up with the holes on "K3"&"K4" leaving 2 holes open on the end.
- Fasten the items together using (13) 9/16" x 3" Lags & 3/8" Washers through the large holes. Note not to over-tighten.
- Place the 1" Hole Plug into the holes to cover the Lags.

#### **SWING FRAME ASSEMBLY**



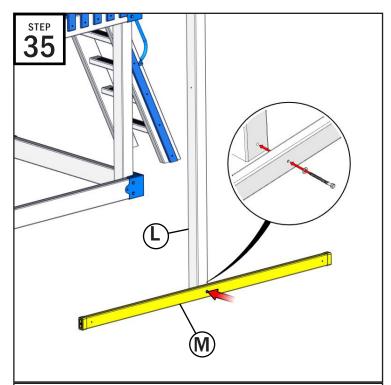
Note: DO NOT OVER-TIGHTEN. Fasten them enough so the parts touch. If the vinyl starts to dent or dimple, you know it is tight enough.

- Place "K" & "L" together as shown. (Swing hooks on "K" are facing down. Bottom hole on "L" is facing away from "K".)
- Align the holes of the two.
- Fasten them together using (2) 9/16" x 6 1/2" Bolts, (4) 3/8" Washers and (2) 9/16" Locking Nuts.

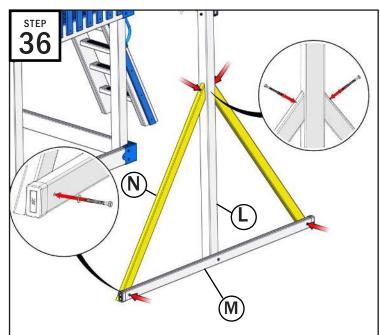


Note: DO NOT OVER-TIGHTEN. Fasten them enough so the parts touch. If the vinyl starts to dent or dimple, you know it is tight enough.

- Set the Swing Frame upright and place the unsupported end of "K" on the inner railing of the tower.
- Align the holes on the end of the 2x6 Swing Beam with the holes on the back of the 4x4 post.
- Fasten them together using the same hardware in the previous step.



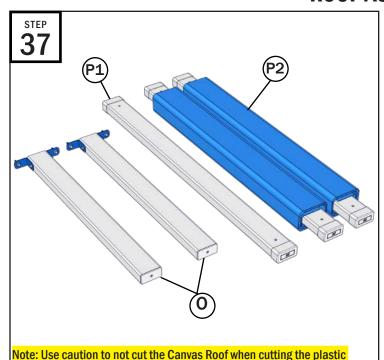
- Place "M" on the ground on the outside of "L".
- Align the center hole on "M" with the hole at the bottom of the "L".
- Fasten together using (1) 9/16" x 4" Lags & 3/8" Washers.



Note: DO NOT OVER-TIGHTEN. Fasten them enough so the parts touch. If the vinyl starts to dent or dimple, you know it is tight enough.

- Place the (2) "N" braces on either side of the "L". Align the pre-drilled holes. Check to make sure the bottom hole is on the correct side.
- Fasten the top of "N" to the 4x4 Post using (2) 9/16" x 4" Lags & 3/8" Washers.
- Fasten the bottom of "N" ends to "M" 2x4 using (2) 9/16" x 3" Lags & 3/8" Washers.

#### **ROOF ASSEMBLY**



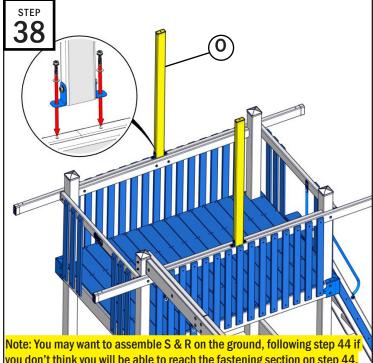
Locate and prepare the "Roof Bundle" which includes:

- 0: (2) 43 1/4" 2x4s with L Brackets
- P1: (1) 62 1/2" 2x4

wrapper off.

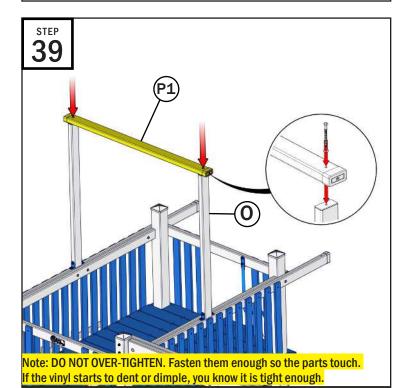
P2: (1) 128" Canvas Roof with (2) 62 1/2" 2x4s

Also locate the "Roof Hardware" bag.

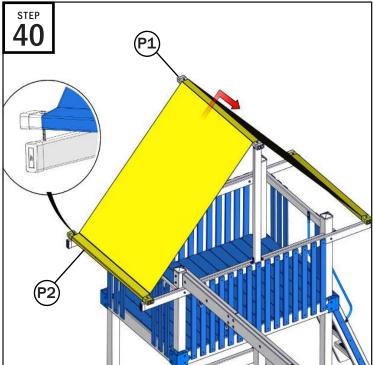


you don't think you will be able to reach the fastening section on step 44.

- Place the (2) "0" on top center of the longer railings.
- Align the holes of the L-brackets with the holes on the railing
- Fasten them together using (2) 1/2" x 1 1/2"Lags & 5/16" Washers per 2x4.

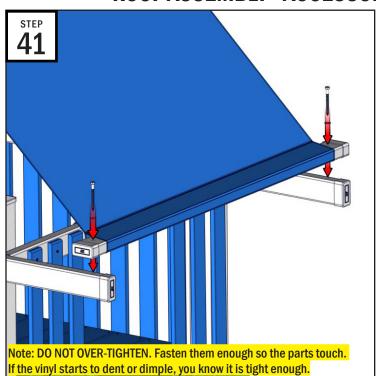


- Place "P1" on top of the 2 "0"s.
- Align the holes on the ends of "P1" with the holes on the top of "0".
- Fasten using (2) 9/16" x 4" Lags & 3/8" Washers.



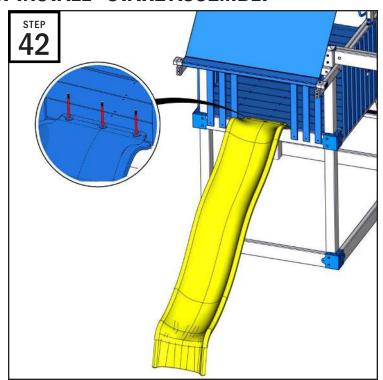
- Place one of the "P2" boards on one of the ends of the long railings.
- Using (2) 9/16" x 4" Lags & 3/8" Washers, drill into the "P2" holes and drill into the railing end holes enough so that "P2" stays in place like the detail view above.
- Drape the "P2" Canvas over "P1".
- Place the other "P2" board on the other end of the long railings.

#### **ROOF ASSEMBLY - ACCESSORY INSTALL - STAKE ASSEMBLY**



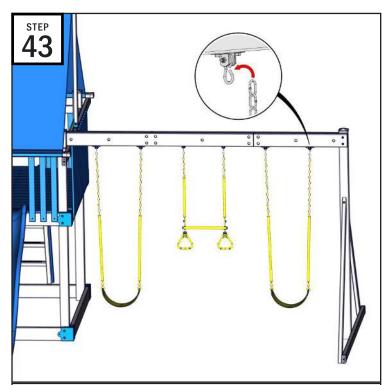
- Align the holes on the other side of the roof.
- Fasten using (2) 9/16" x 4" Lags & 3/8" Washers.
- Finish fastening the 2 Lags used to hold the original "P2" board from the previous step.

Note: This step will help tighten the canvas, so keep an eye on the canvas during this step.

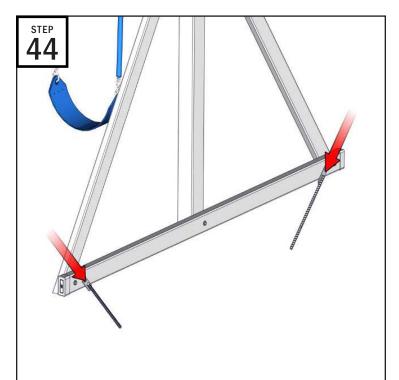


Locate the Waterfall Slide, the (2) Belt Swings and the "Slide Hardware"

- Place the Waterfall Slide center on the front of the tower
- Position the Waterfall Slide so the holes are directly above the 2x6.
- Fasten the Slide with (3) 1/4" x 1 1/4" Pan Head Screws and (3) 5/16" Washers. (Use the #2 Square Drive Bit to fasten these screws)



- Hang the Belt Swings & Trapeze bar from the Swing Hooks on the Swing Beam.
- There will be excess chain to adjust the height of the swing to the appropriate height.

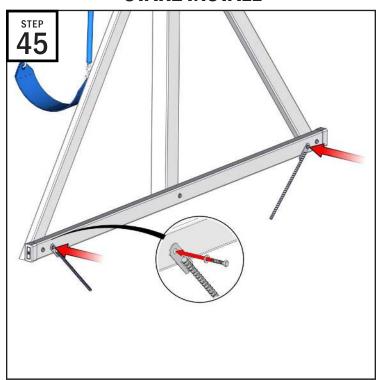


Locate the "Stake Bundle". This bundle will include:

- (2) Stakes
- (2) 1/2" x 1 1/2" Lags
- (2) 5/16" Washers

Using a hammer, drive a Stake into the ground at 45° (perpendicular to the braces) near the ends of the ground 2x4 of the Swing Frame.

#### **STAKE INSTALL**



Fasten the stakes to the Swing Beam using (2) 1/2" x 1 1/2" Lags and (2) 5/16" Washers.

The playset is now complete. Sometimes the vinyl will rub against itself in shipping. If you notice any marks, use Windex and a rag or steel wool to clean. Do not overuse steel wool as it can permanently scratch the playset.

## **COMPLETED PLAYSETS**

Moderate 75 shown in Almond & Green



## **COMPLETED PLAYSETS**

Moderate 75 shown in White & Gray





## Technical Issues? Contact us at:

Support@swingkingdom.com 717-656-4449