



Royal Crusoe's Treehouse 2007 ASSEMBLY MANUAL

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Please inspect and inventory all parts immediately upon accepting delivery. Use the inventory pages in the manual to make sure you have received all necessary parts. The quickest method to get any parts that are missing or damaged is use our “Quick Response Center” located at:

www.playnation.com/support

DO NOT RETURN THIS PRODUCT TO THE RETAILER OR CONTACT THE RETAILER DIRECTLY. THE RETAILER DOES NOT STOCK COMPONENTS.

PLEASE RETAIN ALL INSTRUCTIONS FOR FUTURE REFERENCE. KEEP THEM IN A SAFE PLACE WHERE YOU CAN REFER TO THEM AS NEEDED. CHECK FOR REVISED INSTRUCTIONS AT:

<http://www.playnation.com/manuals.html>

PLAYNATION WARRANTY

MANUFACTURER'S LIMITED LIFETIME WARRANTY

PlayNation Play Systems, Inc. warrants its Lifetime™ series of swing sets to be free from defects in workmanship and materials, under normal use and conditions, for the lifetime of the product for above ground structural wood components and for two years for all other components (e.g., swings, hardware, plastics, tarps, rope ladder, etc.) except PlayNation's Super Scoop Slides™ and Super Tube Spiral Slides™.

PlayNation warrants its Super Scoop Slides™ and Super Tube Spiral Slides™ to be free from defects in workmanship and materials, under normal use and conditions, for the lifetime of the product.

PlayNation warrants its Regal™, Imperial™, and Empire™ series swing sets to be free from defects in workmanship and materials, under normal use and conditions, for a period of 15 years for above ground structural wood components and for two years for all other components (e.g., swings, hardware, plastics, tarps, rope ladder, etc.).

PlayNation warrants all remaining products, including but not limited to its Free Standing Swing Set, Free Standing Tire Swing, See-Saw, Children's Picnic Table with Umbrella, Play-Zee-Bo™ and spring riders to be free from defects in workmanship and materials, under normal use and conditions, for a period of 1 year. All accessories purchased separate from those included with one of our swing set packages have a one year limited warranty. The Crazy Clubhouse is warranted for a period of 6 months.

Cosmetic imperfections and natural tendencies of wood such as peeling, splintering, warping, seasonal checking or cracking, knots or knot holes, etc. are normal characteristics of all outdoor wooden play equipment and are not covered by this warranty. Checks or cracks in wood components that do not affect the intended function of the part, piece or overall swing set are not covered under this warranty.

Wood rot or decay that develops because the product was installed in an area with poor drainage is not covered under this warranty. Lumber that has been damaged by wood boring bees, or conditions that develop as a result of faulty or improper installation of the product, are not covered by this warranty. Fading of stain, discoloration or mold on any wood part or accessory is not covered by this warranty. Cracks in plastic components, surface rust on hardware and chips on powder coated materials are not considered defects in material as long as they do not affect the functionality or structural integrity of the part or component.

It is the owner's responsibility to maintain the swing set. This includes but is not limited to staining and sealing the lumber as needed and regular inspection to be sure all hardware is tight. Instructions for proper maintenance can be found on PlayNation's website. Imperfections or conditions that develop because of a failure to properly maintain the swing set are not covered by this warranty.

PlayNation will, at its discretion, replace any above ground part within the stated warranty period that is defective in workmanship or materials. This decision is subject to verification of the defect, which, at PlayNation's discretion, may be accomplished by submitting photographs or by delivery of the defective part to PlayNation. Any warranty claim must include proof of purchase, including the date of purchase.

PLAYNATION WARRANTY

In addition, within the first 30 days from the date of purchase, PlayNation will replace any parts discovered to be missing from or damaged in the original packaging.

This warranty is valid only if the product is used for the purpose for which it was designed and installed at a residential, single-family dwelling. This warranty is void if the product is used in a commercial, institutional or multi-family setting. This warranty does not cover normal wear and tear or (a) products that have been damaged by acts of God and/or nature, negligence, misuse or accident; (b) products that have been modified or repaired by unauthorized persons; (c) the cost of labor; or (d) the cost of shipping any replacement product or part.

PLAYNATION DISCLAIMS ALL OTHER REPRESENTATIONS AND WARRANTIES OF ANY KIND, EXPRESSED, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. PLAYNATION WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. This warranty is non-transferable and does not extend to the owners of the product subsequent to the original purchaser. Some states do not allow limitations on implied warranties or exclusion of incidental or consequential damages, so these restrictions may not be applicable to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

IMPORTANT SAFETY GUIDELINES

This product is recommended for use by children ages 3-11. This product is intended for residential use only and not intended for use in any public setting. A safety surface such as mulch or recycled tire should be used under the play set to prevent injury from falls. Also a 6 foot safety zone should be used around the entire play set.

As with any home project, good judgment and respect for power tools will greatly reduce the risk of injury. PlayNation recommends you follow all tool manufacturers' safety guidelines. Always wear eye protection and safety gloves to prevent injury. In several phases of construction two people may be required for lifting and securing of lumber. While the play set is being constructed, please keep children off the equipment until the project is complete. Bolts and screw heads should be checked regularly for tightness. The ground ladder, rope ladder, slide, swings and other areas where children spend a majority of their playtime should be checked more frequently.

PlayNation shall not be liable for incidental, indirect or consequential damages or injuries that result from the building and/or playing on our play sets. Adult supervision is recommended anytime a play set is being used.

WEIGHT LIMITS FOR PLAYNATION PLAYSETS

- FORT PLATFORMS: 800 LBS. TOTAL WEIGHT
- SWING BELT: 225 LBS.
- GLIDER SWINGS: 70 LBS. PER CHILD. UP TO 140 LBS TOTAL WEIGHT.
- TRAPEZE: 125 LBS.
- FULL BUCKET SWING/ HALF BUCKET SWING: 50 LBS.
- HEAVY DUTY TODDLER BUCKET SWING: 85 LBS.
- INFANT SWING: 35 LBS.
- TIRE SWING: 125 LBS. TOTAL WEIGHT
- ROPE LADDER: 75 LBS.
- ROCK WALL: 150 LBS.
- CLIMBING RAMP: 150 LBS.
- MONKEY BARS: 175 LBS.
- ALL SLIDES: 150 LBS.

PlayNation recommends that the weight limits for all components must not be exceeded. Failure to adhere to these and other safety guidelines could result in damage to the play set and injury to the users.

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WARRANTY REGISTRATION

- ROYAL CRUSOE'S TREEHOUSE -

PlayNation manufactures the finest quality products that are designed for outstanding strength and durability. We back our products with an unparalleled warranty. In the unlikely event that you will need to contact us about covered repairs, we must have a valid Warranty Registration on file.

3 EASY WAYS TO REGISTER	
OPTION 1	Fax this completed form to: (800) 880-3300 OR Mail this completed form to: PlayNation Playsets 190 Etowah Industrial Court Canton, GA 30114
OPTION 2	Complete the online registration form at: http://www.playnation.com/register
OPTION 3	Scan this QR Code with your smart phone to complete the form using your phone 

Where did you buy this product?:

Date of Purchase	Store	Store City	Store State
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Your registration information:

Name: _____ Email: _____

Address: _____
Street City State Zip

Please select your age? 18-30 31-40 41-50 51+

How old are your children? 2-3 4-5 6-7 8+

How would you rate the quality of this product?

<input type="checkbox"/>	★ ★ ★ ★ ★	Excellent
<input type="checkbox"/>	★ ★ ★ ★	Above Average
<input type="checkbox"/>	★ ★ ★	Average
<input type="checkbox"/>	★ ★	Below Average
<input type="checkbox"/>	★	Poor

Would you recommend this product to friends & family? Yes No

Comments: _____

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Safety and Maintenance Tips for Your New Play Set:

NOTE: Your children's safety is our #1 concern. Observing the following statements and warnings reduces the likelihood of serious or fatal injury. Please review these safety rules regularly with your children.

- This play set is designed for the use of 4 occupants who have a combined weight not exceeding 800 pounds on the elevated floor, 3 occupants who have a combined weight of 425 pounds on the swing area, for a total Unit capacity of 7 occupants who have a combined weight of 1225. (This weight does not include any picnic table area(s).)
- On-site adult supervision is required.
- Teach children not to walk close to, in front of, behind, or between moving swings or other moving playground equipment.
- Teach children to sit in and never stand on swings
- Teach children not to twist the chains and ropes and not to loop them over the swing beam, since this may reduce the strength of the chain or rope.
- Teach children not to jump from swings or other playground equipment in motion.
- Teach children not to push empty seats. The seat may hit them and cause serious injury.
- Teach children to sit in the center of the swings with their full weight on the seats.
- Teach children not to use the equipment in a manner other than intended.
- Teach children to always go down slides feet first. Never slide headfirst.
- Teach children to look before they slide to make sure no one is at the bottom.
- Teach children to never run up a slide, as this increases their chances of falling.
- The parents should have the children dress appropriately with well-fitting shoes. Loose clothing such as scarves and ponchos should not be worn. Always take off, tie up or tuck in cords and drawstrings on children's clothing. These things can get caught on playground equipment and strangle a child.
- Teach children not to climb when the equipment is wet.
- Teach children to never jump from a fort deck. They should always use the ladder, ramp or slide.
- Teach children to never crawl or walk across the top of monkey bars or swing beam.
- Teach children to never crawl on top of a fort roof or on the outside of a tube slide.
- Teach children to never carry items down a slide with them.
- Verify that any suspended climbing ropes, chains, or cables are secured at both ends and that they cannot be looped around an adult hand.
- Teach children not to attach items to the playground equipment that are not specifically designed for use with the equipment, such as, but not limited to, jump ropes, clothesline, pet leashes, cables and chain as they may cause a strangulation hazard.
- Teach children to never wrap their legs around swing chain.
- Teach children to never slide down the swing chain.
- Teach children to remove their bike or other sports helmet before playing on the playground equipment.
- Teach children to NEVER look at the sun or other bright light through any accessory such as but not limited to a telescope, periscope or binoculars.

WARNING: Children must NOT use this play set until it has been completely assembled and inspected by an adult to insure it has been properly installed and the swing beam legs are anchored. Note some sets may not require anchors on the swing beam legs, see owners manual for details.

Safety and Maintenance Tips for Your New Play Set: (continued)

Playgrounds should be inspected on a regular basis. If any of the following conditions are noted, they should be removed, corrected, or repaired immediately to prevent injuries.

- Hardware that is loose, worn or that has protrusions or projections.
- Exposed equipment footings.
- Scattered debris, litter, rocks, or tree roots.
- Splinters, large cracks, and decayed wood components.
- Deterioration and corrosion on structural components, which connect to the ground.
- Missing or damaged equipment components, such as handholds, guardrails, swing seats.
- Check all nuts and bolts twice monthly during the usage season and tighten as required. (But not so tight that you crack the wood) We recommend you check the swing beam and hardware often due to wood expansion and contraction. It is particularly important that this procedure be followed at the beginning of each season.
- Remove plastic swing seats and take indoors or do not use when the temperature drops below 32°F. Reinstall swings and other swing equipment at the beginning of the usage season.
- Oil all metallic moving parts monthly during the usage period.
- Check all coverings for bolts and sharp edges twice monthly during usage season to be certain they are in place. Replace when necessary. It is especially important to do this at the beginning of each new season.
- Check swing seats, ropes, cables and chains monthly during usage season for evidence of deterioration. Replacement should be made of any swing seat that has developed cracks in the plastic seats. Ropes, cables and chains should be removed and replaced if excessive wear is found. Contact us for warranted replacement parts.
- For rusted areas on metallic members such as monkey bars, hand supports brackets, etc.; sand and repaint, using a non lead-based paint meeting the requirements of Title 16 C.F.R. Part 1303. These requirements are available at: <http://www.cpsc.gov/>
- Inspect wood parts monthly. The grain of the wood sometimes will lift in the dry season causing splinters to appear. Light sanding may be necessary to maintain a safe playing environment. If you are treating your play set with stain regularly, it will help prevent severe checking/splitting and other weather damage.
- Once or twice a year, depending on your climate conditions, you must apply some type of protection (sealant) to the wood of your unit. Prior to the application of sealant, lightly sand any “rough” spots on your set. Please note this is a requirement of your warranty.
- Creating and maintaining the play set on a level location is very important. As your children play, your play set will slowly dig its way into the soil, and it is very important that it settles evenly. Make sure the play set is level and true once each year or at the beginning of each play season.
- Twice a month during the usage season rake the playground protective surfacing materials to prevent compaction and maintain appropriate depths. Replace the protective surfacing materials as required.
- Disposal Instructions: When the play set is no longer desired, it should be disassembled and disposed of in such away that no unreasonable hazards will exist at the time the play set is discarded.

Play Set Surfacing Recommendations:

Below are some of the recommendations that the U.S. Consumer Product Safety Commission (CPSC) offers from its Handbook for Public Playground Safety. The guide can be downloaded in full at www.cpsc.gov/cpscpub/pubs/325.pdf

1. Protective Surfacing - Since almost 60% of all injuries are caused by falls to the ground, protective surfacing under and around all playground equipment is the most critical safety factor on playgrounds.

Certain manufactured synthetic surfaces also are acceptable; however, test data on shock absorbing performance should be requested from the manufacturer.

Asphalt and concrete are unacceptable. They do not have any shock absorbing properties. Similarly, grass and turf should not be used. Their ability to absorb shock during a fall can be reduced considerably through wear and environmental conditions.

Certain loose-fill surfacing materials are acceptable. Surfacing materials are acceptable, such as the types and depths shown in the table.

Fall Heights and Materials

Type Of Material	6 in. depth	9 in. depth	12 in. depth
Double-Shredded bark mulch	6' Fall Height	10' Fall Height	11' Fall Height
Wood Chips	6' Fall Height	7' Fall Height	12' Fall Height
Fine Sand	5' Fall Height	5' Fall Height	9' Fall Height
Shredded Tires*	10-12' Fall Height	N/A	N/A
Fine Gravel	6' Fall Height	7' Fall Height	10' Fall Height

*This data is from tests conducted by independent testing laboratories on a 6-inch depth of uncompressed shredded tire samples produced by four manufacturers. The tests reported critical heights, which varied from 10 feet to greater than 12 feet. It is recommended that persons seeking to install shredded tires as a protective surface request test data from the supplier showing the critical height of the material when it was tested in accordance with ASTM F1292.

It should be recognized that all injuries due to falls cannot be prevented no matter what surfacing material is used.

2. Fall Zones - A fall zone, covered with a protective surfacing material, is essential under and around equipment where a child might fall. This area should be free of other equipment and obstacles onto which a child might fall. Stationary climbing equipment and slides should have a fall zone extending a Minimum of 6' in all directions from the perimeter of the equipment.

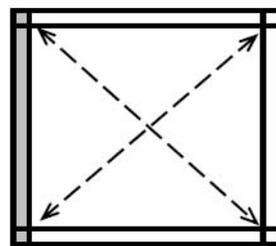
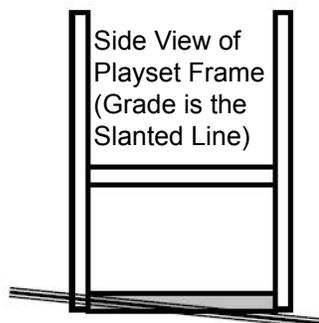
Swings should have a fall zone extending a minimum of 6' from the outer edge of the support structure on each side. The fall zone in front and back of the swing should extend out a minimum distance of twice the height of the swing as measured from the ground to the top of the swing support structure.

LEVELING YOUR FORT DURING ASSEMBLY

- Complete the steps which will be the basic frame of the fort. {i.e. four corner posts with base (sand box boards) and deck supports}
- Position in the most level area chosen for the play set, keeping in mind the location and size of the swing beam, ladder, slides, etc. that extend off the fort.
- Once the frame is in the final position, check for vertical and horizontal levelness to determine which side(s) will need to be dug into the ground to level the play set.
- With a shovel, score the ground around the outside edges of the sandbox boards on the 'high' side of the fort. This is the area that will be dug in. Make sure to score deep enough; the scored lines will be your digging template.
- Push the frame off and away from the scored area, far enough to dig and remove dirt to reach the appropriate depth.
- Dig a channel along the scored line(s) for the base of the fort (corner post and sandbox boards) to rest into. Dig the channel(s) to the same level depth. The bottom of the channel(s) should be level to each other so your frame doesn't teeter or rock because the channel(s) are uneven.
- Once you have removed enough grass and dirt, slide/push the frame into the channel(s). Place a level on the vertical and horizontal boards of the frame to determine if enough soil, or too much, was removed.
- Repeat this process until the basic frame is plumb and level and in its final position before completing the rest of the assembly.
- Measure to make sure fort is square.

Important: if you require a channel depth of more than 6", then we recommend you have your play set area professionally graded before completing assembly.

Example Play area:



The diagonal measurements should be the same from corner post to corner post. If not, adjust corner posts so that the distance is equal.

■ = Area to be scored and channeled for levelness

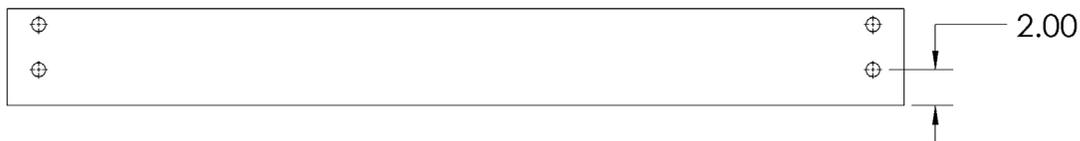
General Info to Review Before Installation

- Depending on your experience, assembly of the playset can take as little as 6 hours up to 24 hours, depending on size, after inventory of parts; therefore, we recommend you set aside a full two days for assembly.
- Identify all of the parts for your play set. Empty each box and lay out boards so you can see each part. Your instruction book will have detailed drawings that will make it easy for you to recognize individual parts. Keep all hardware and metal parts separate from wooden pieces.
- After everything is laid out, check carefully to ensure all parts are present. Make sure there are no broken boards.
- Find an area to sort your hardware. It is best to open the hardware on a solid surface so that you do not lose any pieces in the grass. This will save time and familiarize you with all the different pieces in the hardware bag.
- Important note: Wood has some natural defects such as knots, surface cracks, etc... We reject parts that are structurally defective. We use a high quality lumber in our structures; however, you should inspect each part for splinters or rough spots and sand them smooth to prevent injury.
- After familiarizing yourself with all of the components, read all instructions thoroughly. Reading instructions after you have studied the parts will help you understand the installation process, and help to eliminate unnecessary mistakes.
- Pay close attention to the diameter and length of each bolt and screw.
- Never tighten hardware completely at first. It helps to have some adjustment for bolt alignment while you are attaching parts together. After everything is square, tighten each joint.
- After the main unit is assembled it is critical that the floor is level and square. If the main frame is not level, the walls and floor will be out of square.
- After you complete installation, make sure every bolt, screw, and nut is tight, and every board is secure. Wood will expand and contract with the seasons.
- Place the set on level ground, not less than 6 feet from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines, or electrical wires.

This page is a list of definitions and explanations used throughout our instructions to aid you in the assembly of your play set.

Offset Holes- Throughout the installation procedures we will refer to parts with offset holes. This refers to the orientation of the holes on the board. An offset hole is one that is closer to one side than it is the other or in other words, it is not centered on the board. In the procedures you will be instructed to attach the boards with the holes offset up or with the holes offset down. This refers to which side of the board the hole/holes should be closer to. Offset holes up= hole/holes will be closer to the top of the board. Offset holes down= hole/holes will be closer to the bottom of the board. Note: some parts do not have offset holes, but instead the holes are on center. Therefore there will not be any reference on how to offset these parts.

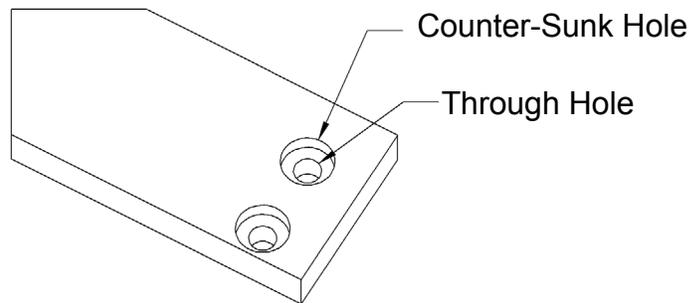
EXAMPLE OF OFFSET HOLES UP



EXAMPLE OF OFFSET HOLES DOWN



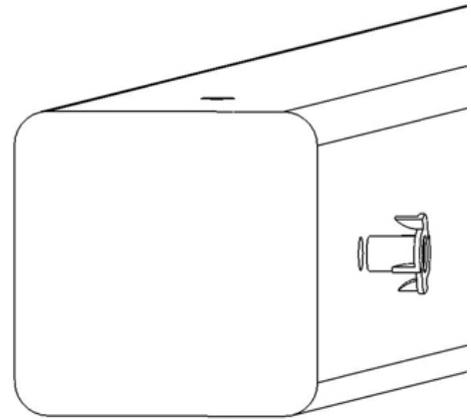
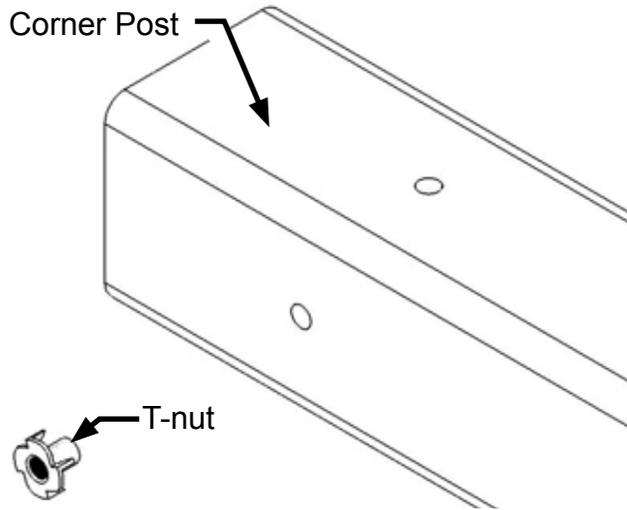
Counter-sunk holes - Many of the parts that will be used have counter-sunk holes. A counter-sunk hole is one that surrounds one side of a through hole, but does not extend through the wood it's self. When using a counter-sunk hole the bolt will be inserted through the through hole and either the head of the bolt and washer or nut and washer will occupy the counter sunk hole.



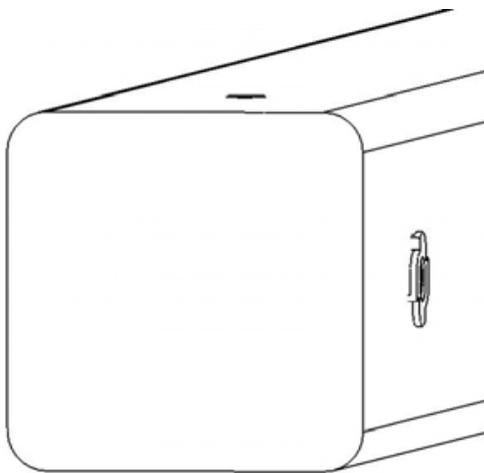
Lag Screws- Lag screws are used in the construction of our play sets to enhance the structural integrity of the unit. There will not be predrilled holes in the post for lag screw installation. Lag screws are self-tapping, though if you are using a manual socket wrench it may be advantageous to pre-drill a hole first. Instructions for this are provided on a separate page in the front of the manual. Be sure to tighten the lags completely when driving them in by hand. Power tools such as a heavy duty impact driver or large power drill should have enough torque to drive in the lag screws, but make sure not to over tighten as this can cause the threads to “strip out” in the post.

Common Installation Practice Installing T-nuts

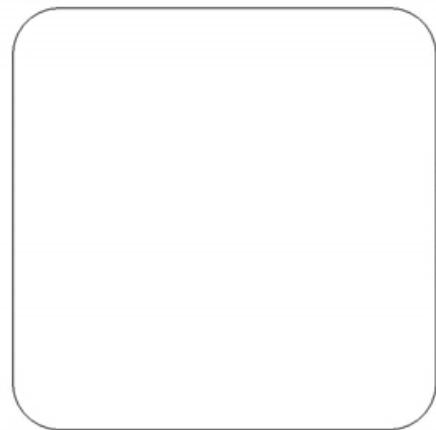
When installing T-nuts into the wood, use a smooth faced hammer to set the face of the T-nut flush into the wood



Insert the barrel of the T-nut into the predrilled hole. Using a smooth faced hammer, drive the T-nut until the face of the T-nut is flush to the wood.

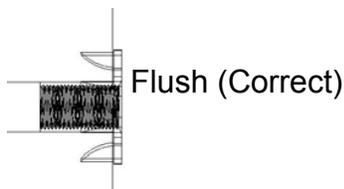


This picture shows the T-nut inserted and installed flush to the wood.



This picture shows an end view of the T-nut installed flush to the wood.

WARNING: DO NOT EMBED THE TOP OF THE T-NUT INTO THE FACE OF THE WOOD



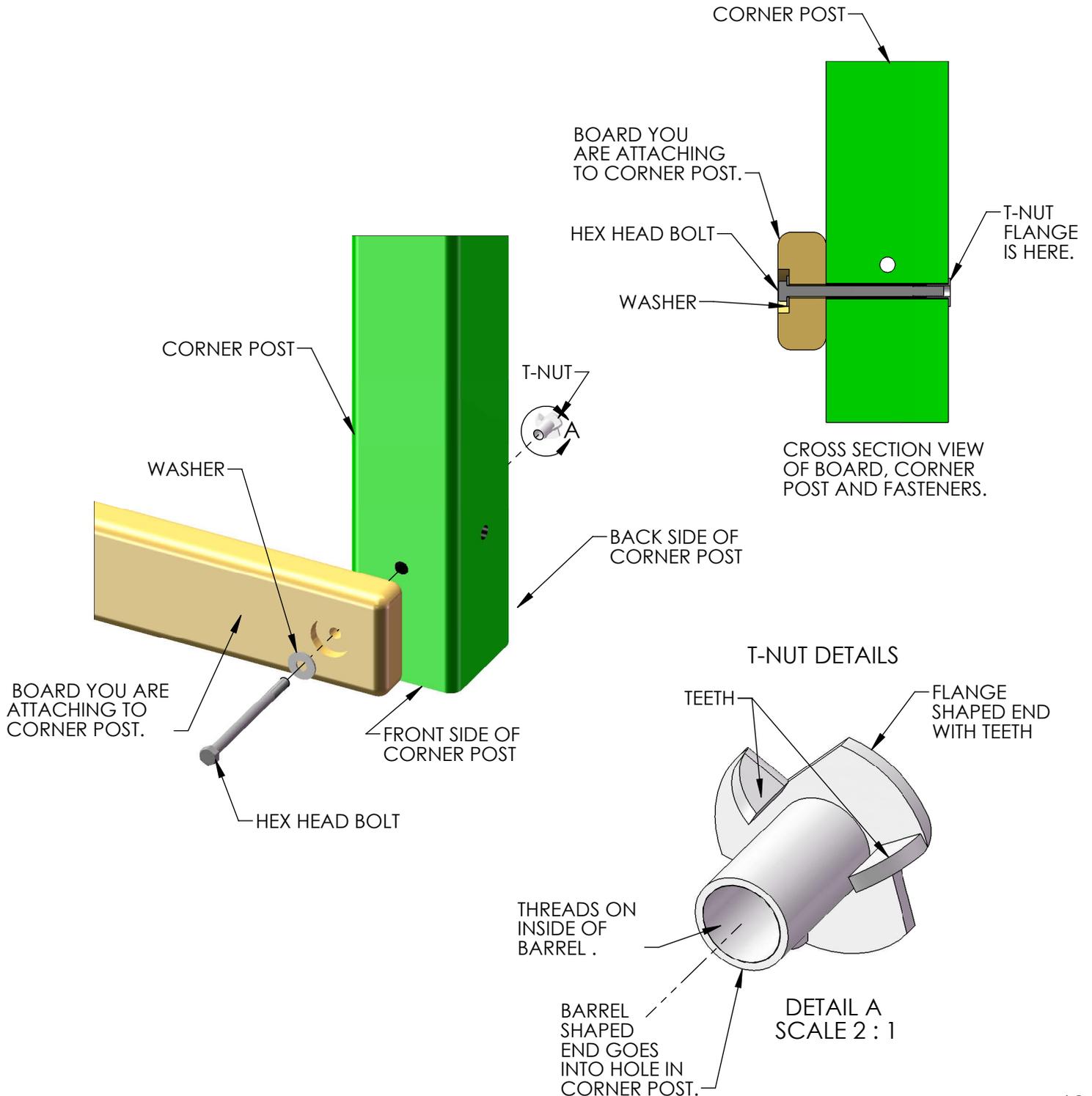
Cross Section end view, you are looking at an X-ray view of the post and T-nut. The barrel of the T-nut is in the corner post the line is the face of the wood.

HOW A T-NUT WORKS

THE FIRST STEP IN OUR ASSEMBLY INSTRUCTIONS IS TO INSERT T-NUTS INTO THE CORNER POSTS. A T-NUT IS A FASTENER WHICH IS THREADED ON THE INSIDE AND IT FUNCTIONS JUST LIKE A STANDARD HEX NUT. YOU INSERT THE T-NUTS INTO THE PREDRILLED HOLES IN THE CORNER POSTS.

THE T-NUT HAS A BARREL SHAPED END WHICH GOES INTO THE HOLE IN THE CORNER POST. THE T-NUT ALSO HAS AN FLANGE SHAPED END WITH TEETH. THE TEETH PENETRATE INTO THE CORNER POST WOOD TO PREVENT THE T-NUT FROM SPINNING WHEN YOU TIGHTEN THE HEX HEAD BOLT.

SHOWN BELOW YOU WILL SEE THE T-NUT IS HAMMERED INTO THE CORNER POST ON THE BACK SIDE. THE BOARD IS BEING ATTACHED ON THE FRONT SIDE OF THE CORNER POST.

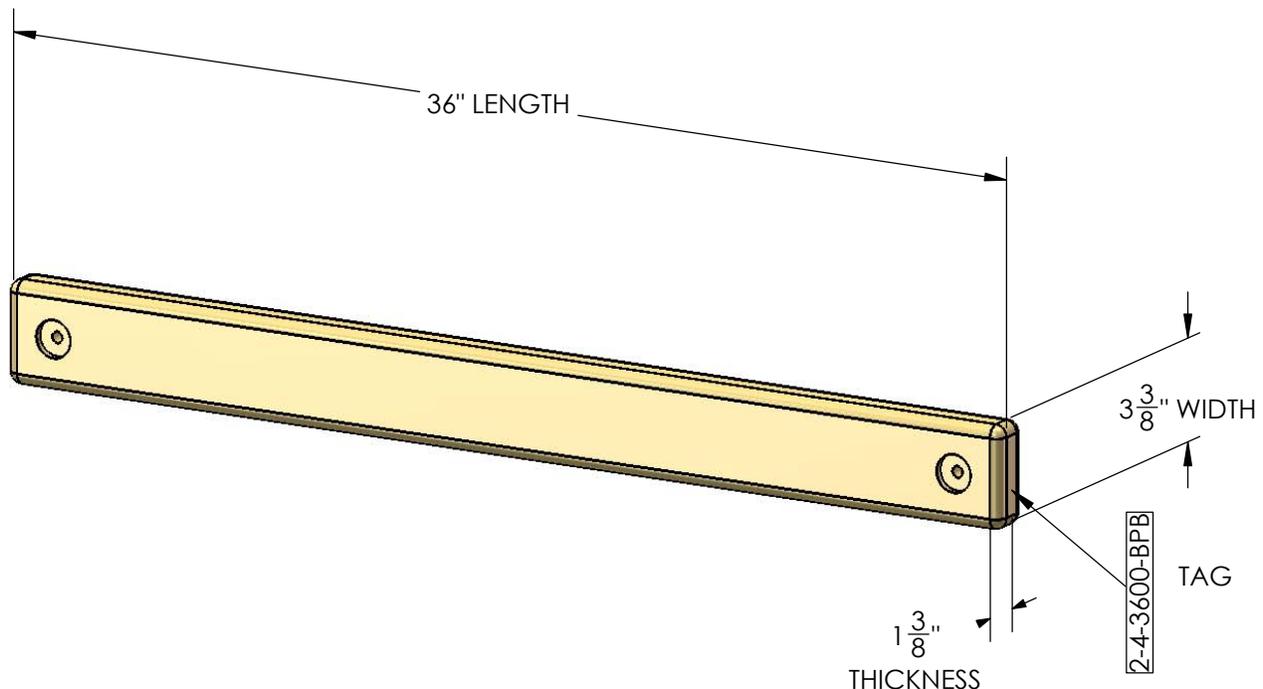


BOARD IDENTIFICATION

1. On the end of each board there should be a small white tag that is stapled into place.
2. This white identification tag displays the thickness, width, length and an abbreviated description of the part.

Example: a tag reads "2-4-3600-BPB"

- The 2 is the thickness of the board. "Nominal Lumber" at a home center will measure 1-1/2" for the thickness. We "remill" that lumber to 1-3/8" thick.
- The 4 is the width of the board. "Nominal Lumber" at a home center will measure 3-1/2" for the width. We "remill" that lumber to 3-3/8" wide.
Note: sometimes the width will be smaller than 3-3/8" because:
A) We need the width of the part to fit into a certain area of the play set.
B) We need the designation to be simple.
- The 3600 is the length of the board. It means the board is 36 inches long. If the code were 3625 then the board is 36-1/4" in length.
- The "BPB" abbreviation stands for "Bottom Panel Board". The wood part bill of materials in the instructions has a description which will match the abbreviation closely.
- In the event that there is no tag on a wood part measure the part then:
A) Use the measurements and compare them to the wood list at the front of the instructions to identify it.
B) Look at the holes on the wood part and compare them to the pictures in the wood list.
C) Look to see if the holes are centered or if they are offset up or offset down.
This should help you identify any parts that have missing tags. In the event that you cannot identify a board please email us for assistance.



PRE-DRILL LAG SCREW DIRECTIONS

Pre-drilling holes for lag screws will make it easier to drive the screws in by hand. "Jobber" length drill bits are available in sizes that are longer than standard drill bits and those are ideal for the job. When using the drill bit you will have to "spot" drill the post and then remove the board you are attaching to finish drilling the hole.

Pay attention to the *DIAMETER* of the lag screw you are installing. Your playset may come with two different diameter lag screws. Each diameter will require a different size drill bit. When installing lag screws **DO NOT OVERTIGHTEN.**

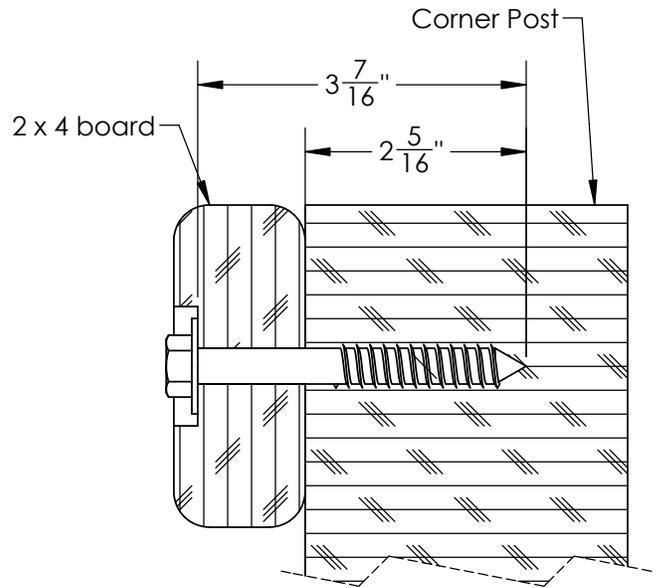
LAG SCREW DIAMETER	DRILL BIT SIZE
5/16" DIAMETER	9/64"
3/8" DIAMETER	11/64"

Example: 3/8" diameter x 3-1/2" lag screw

This would be like the 2 x 4 board installation shown below. Place the board into position. Spot Drill through the holes in the 2 x 4 board into the corner posts with an 11/64" drill bit. Remove the 2 x 4 board. Continue to drill the holes to a total depth of 2-5/16" as shown at the right. Install the 2 x 4 board.

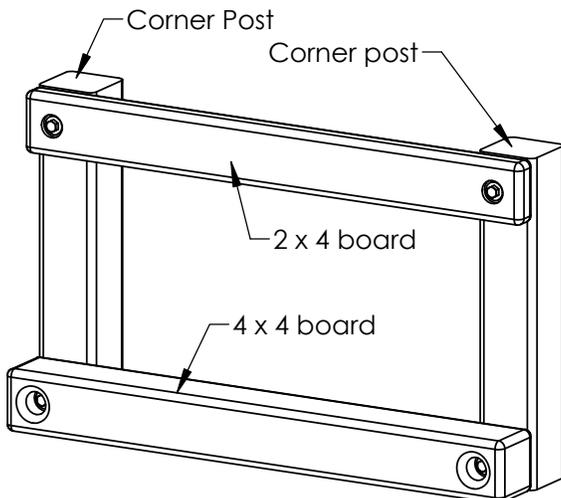
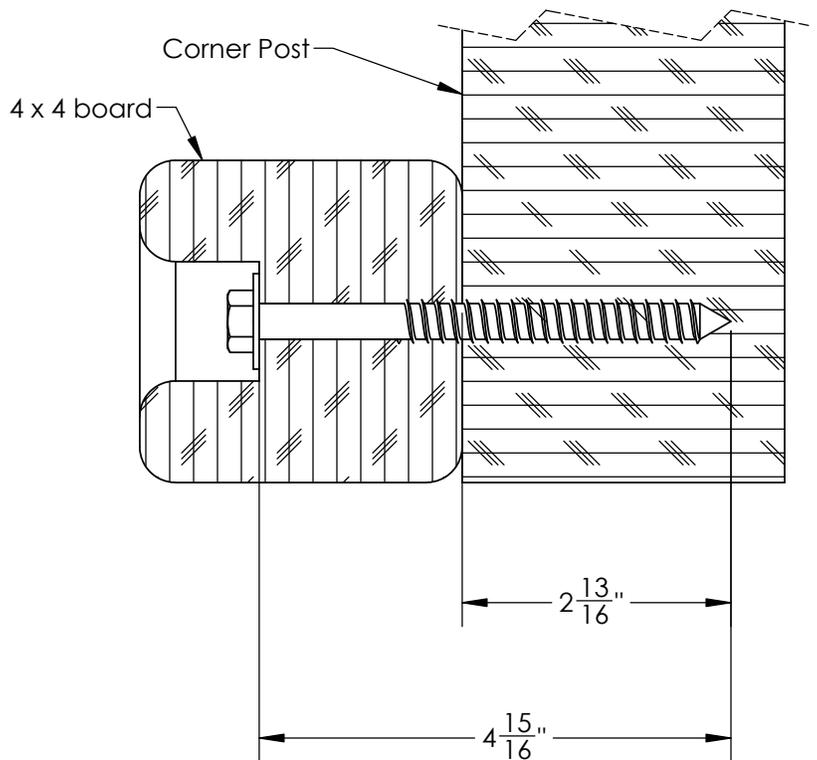
Example 5/16" diameter x 3-1/2" lag screw

This would be like the 2 x 4 board installation shown below. Place the board into position. Spot Drill through the holes in the 2 x 4 board into the corner posts with an 9/64" drill bit. Remove the 2 x 4 board. Continue to drill the holes to a total depth of 2-5/16" as shown at the right. Install the 2 x 4 board.



Example 3/8" diameter x 5" lag screw

This would be like the 4 x 4 board installation shown below. Place the board into position. Spot drill through the holes in the 4 x 4 board into the corner posts with an 11/64" drill bit. Remove the 4 x 4 board. Continue to drill the holes to a total depth of 2-13/16" as shown at the right. Install the 4 x 4 board.



SWING BEAM LOADING

Weight Limits for Accessories:

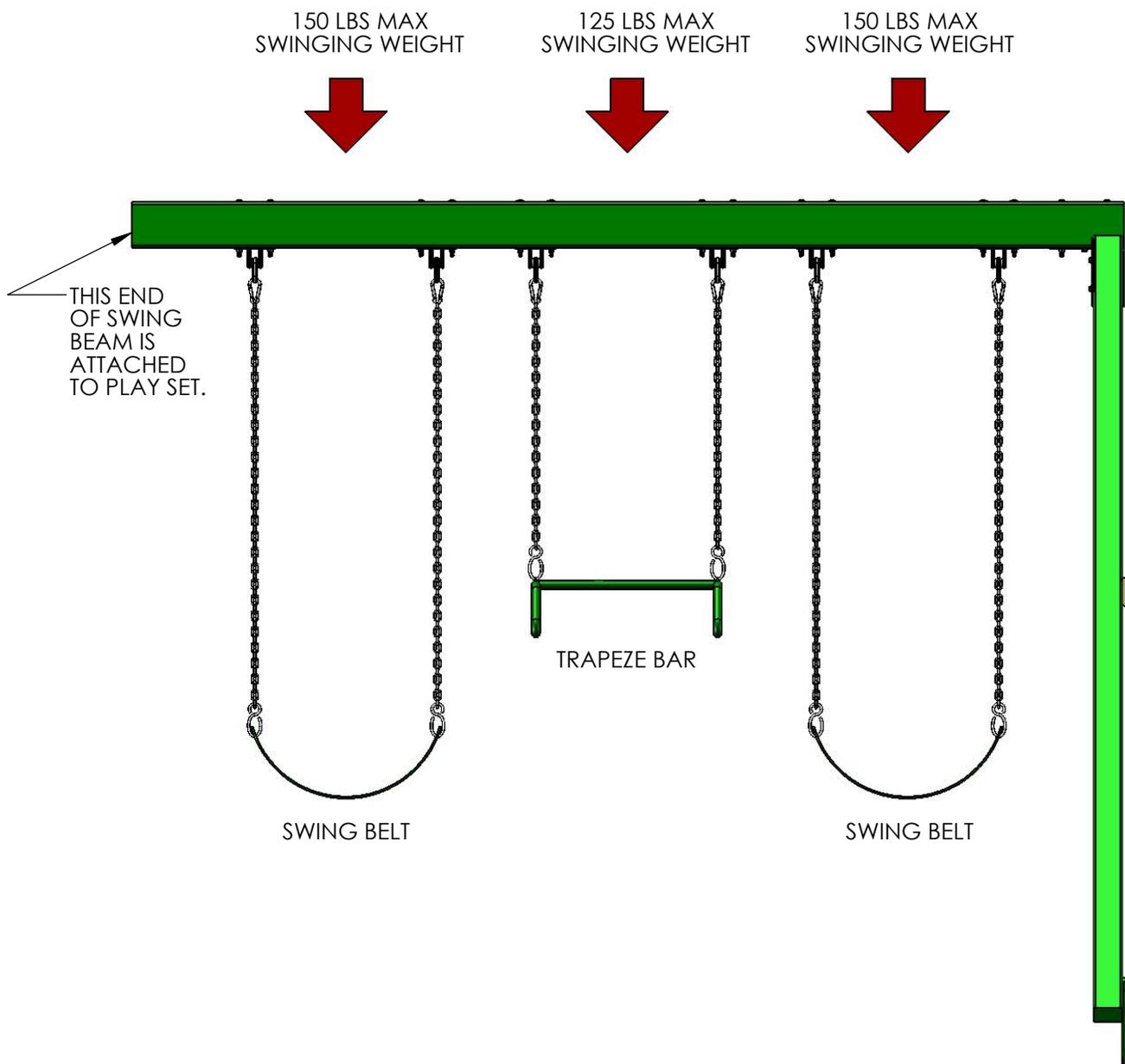
The weight limit for a Swing Belt is 225 lbs. (Although 150lbs is the maximum recommended swinging weight capacity for the swing position.)

The weight limit for a Trapeze Bar is 125 lbs.

Maximum Allowable swinging weight for a three position swing:

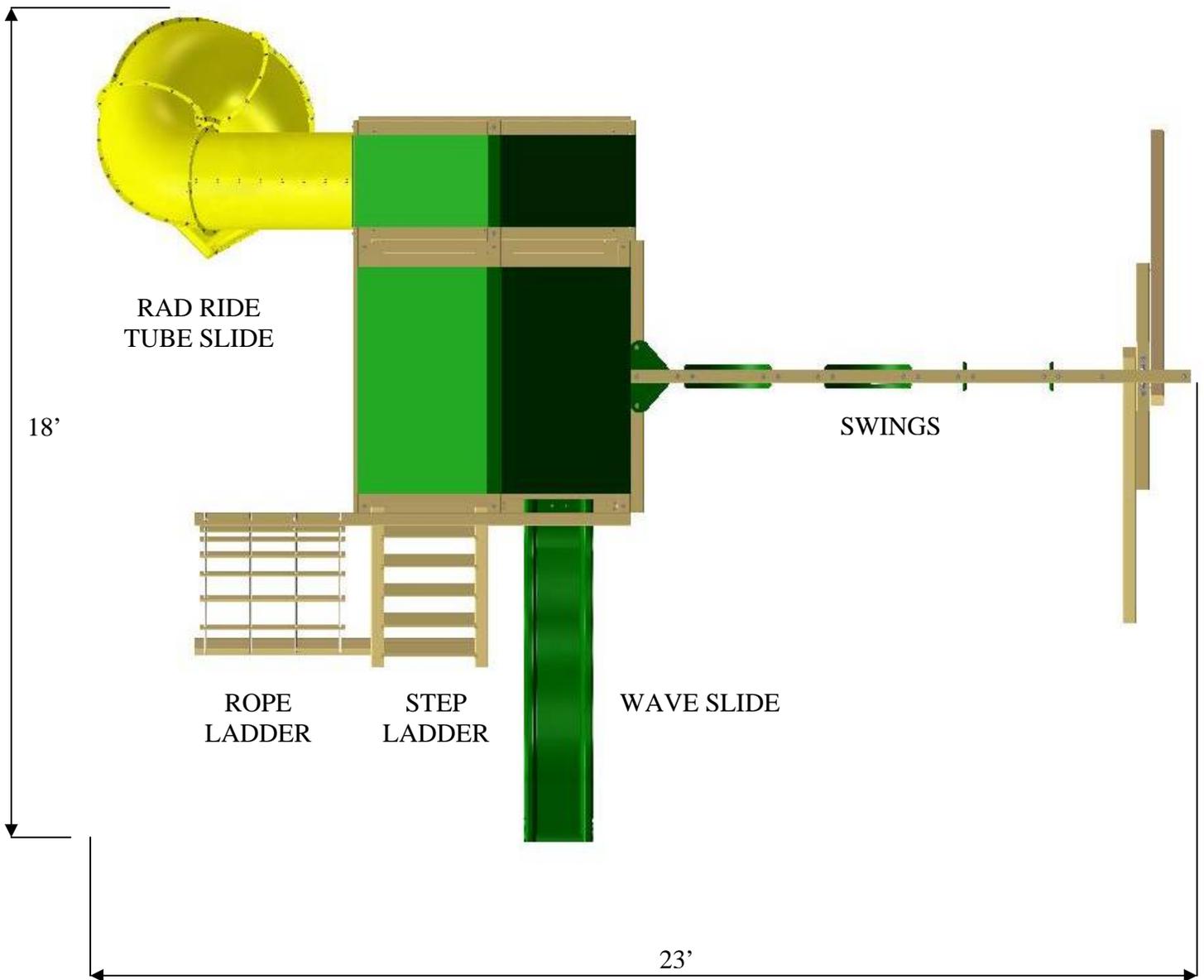
- 1) The maximum allowable swinging weight at each Swing Belt position is 150 lbs.
- 2) The maximum allowable swinging weight at the Trapeze position is 125 lbs.
- 3) The MAXIMUM SWING BEAM LOAD IS 425 lbs.

MAXIMUM SWING BEAM LOAD IS 425 LBS.



Please familiarize yourself with the manual, parts/components and general construction process of your new playset before getting started.

SITE PLAN:



Playset height: 13' 6"

{ 6 foot unobstructed safety perimeter around playset recommended }

11-1010

Royal Crusoe's Treehouse
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#14 X 1-1/4"
PAN HEAD SCREW
QTY: 16

#8 X 1-1/2"
WOOD SCREW
QTY: 2



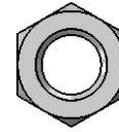
#8 X 2"
WOOD SCREW
QTY: 32



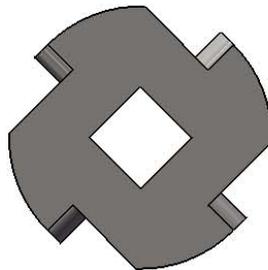
#8 X 2-1/2"
WOOD SCREW
QTY: 110



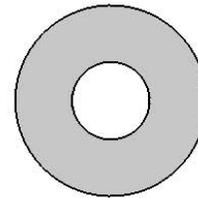
5/16" T-NUT
QTY: 4



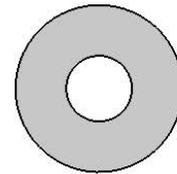
3/8" LOCK NUT
QTY: 15



TORQUE WASHER
QTY: 15



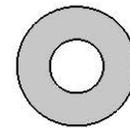
3/8" WASHER
QTY: 176



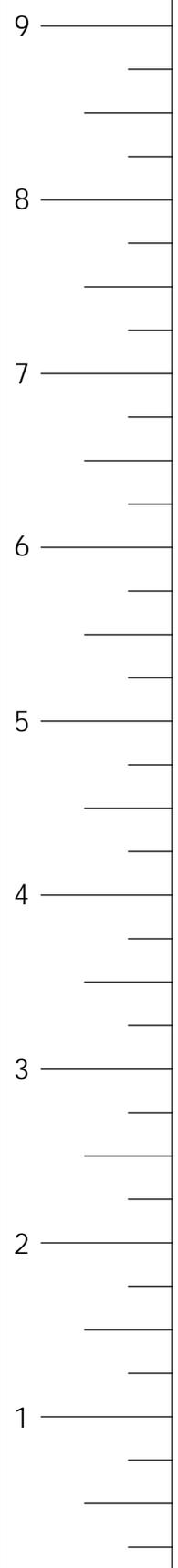
5/16" WASHER
QTY: 4



5/16" X 1-1/2"
HEX BOLT
QTY: 4



1/4" WASHER
QTY: 16



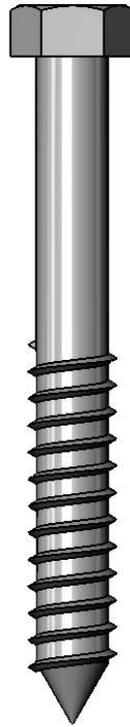
USE THE RULER TO THE RIGHT TO MEASURE YOUR BOLTS AND SCREWS. PICTURE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH BOLT AND SCREW SIZES.

11-1010

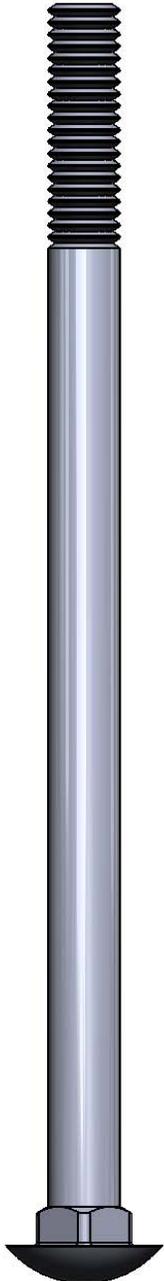
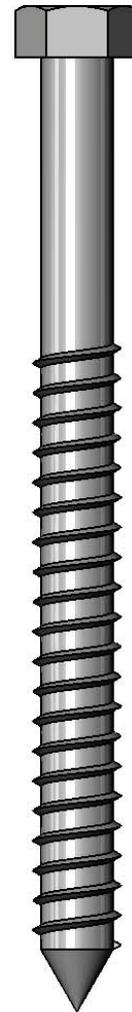
Royal Crusoe's Treehouse
Hardware
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3/8 X 3-1/2"
HEX LAG SCREW
QTY: 103



3/8 X 5"
HEX LAG SCREW
QTY: 62



3/8 X 6-1/2"
CARRIAGE BOLT
QTY: 13



3/8 x 4-1/2"
CARRIAGE BOLT
QTY: 2

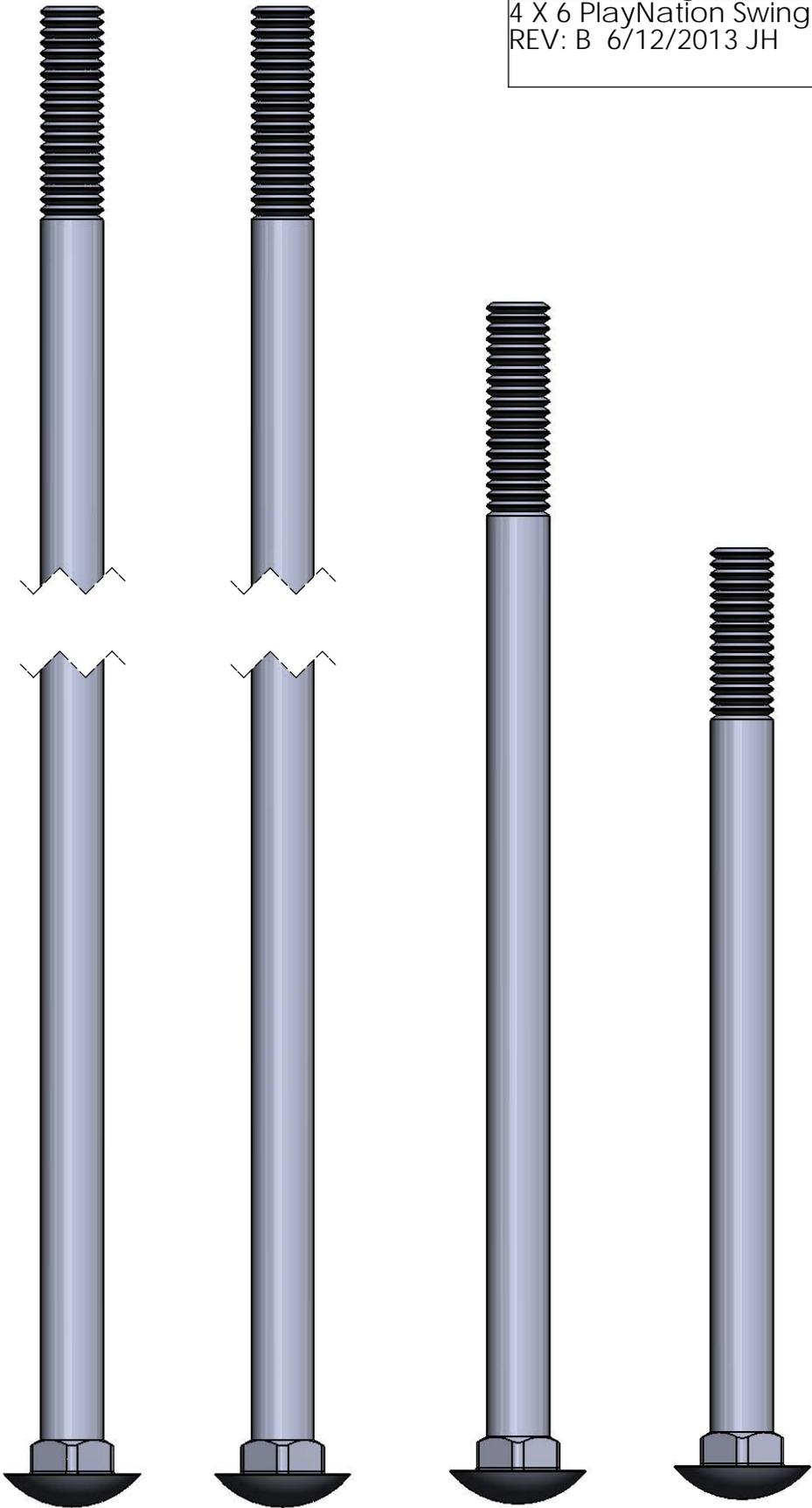


#2 SQUARE
DRILL BIT
QTY: 1



PLASTIC
BOLT CAP
QTY: 15

USE THE RULER TO THE RIGHT TO MEASURE YOUR BOLTS AND SCREWS. PICTURE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH BOLT AND SCREW SIZES.



3/8 x 12"
CARRIAGE
BOLT
QTY: 1

3/8 x 11"
CARRIAGE
BOLT
QTY: 1

3/8 x 7"
CARRIAGE
BOLT
QTY: 16

3/8 x 5-1/2"
CARRIAGE
BOLT
QTY: 2



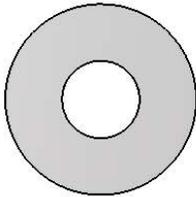
USE THE RULER TO THE RIGHT TO MEASURE YOUR BOLTS AND SCREWS. PICTURE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH BOLT AND SCREW SIZES.



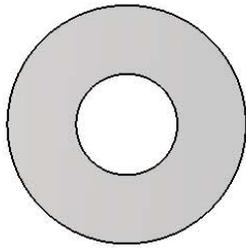
3/8" LOCK NUT
QTY: 20



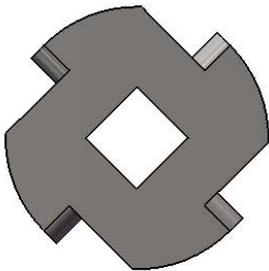
PLASTIC
BOLT CAP
QTY: 20



3/8" WASHER
QTY: 27

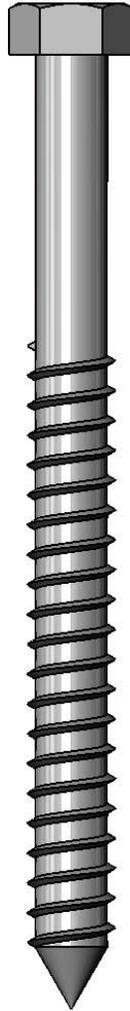


1/2" WASHER
QTY: 3

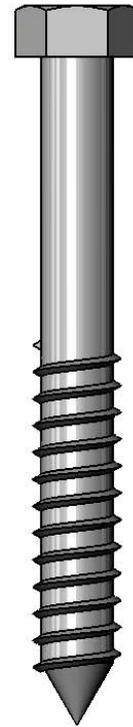


TORQUE WASHER
QTY: 15

3/8" X 5"
HEX LAG
SCREW
QTY: 4



3/8 X 3-1/2"
HEX LAG SCREW
QTY: 3



9

8

7

6

5

4

3

2

1

USE THE RULER TO THE RIGHT TO MEASURE YOUR BOLTS AND SCREWS. PICTURE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH BOLT AND SCREW SIZES.

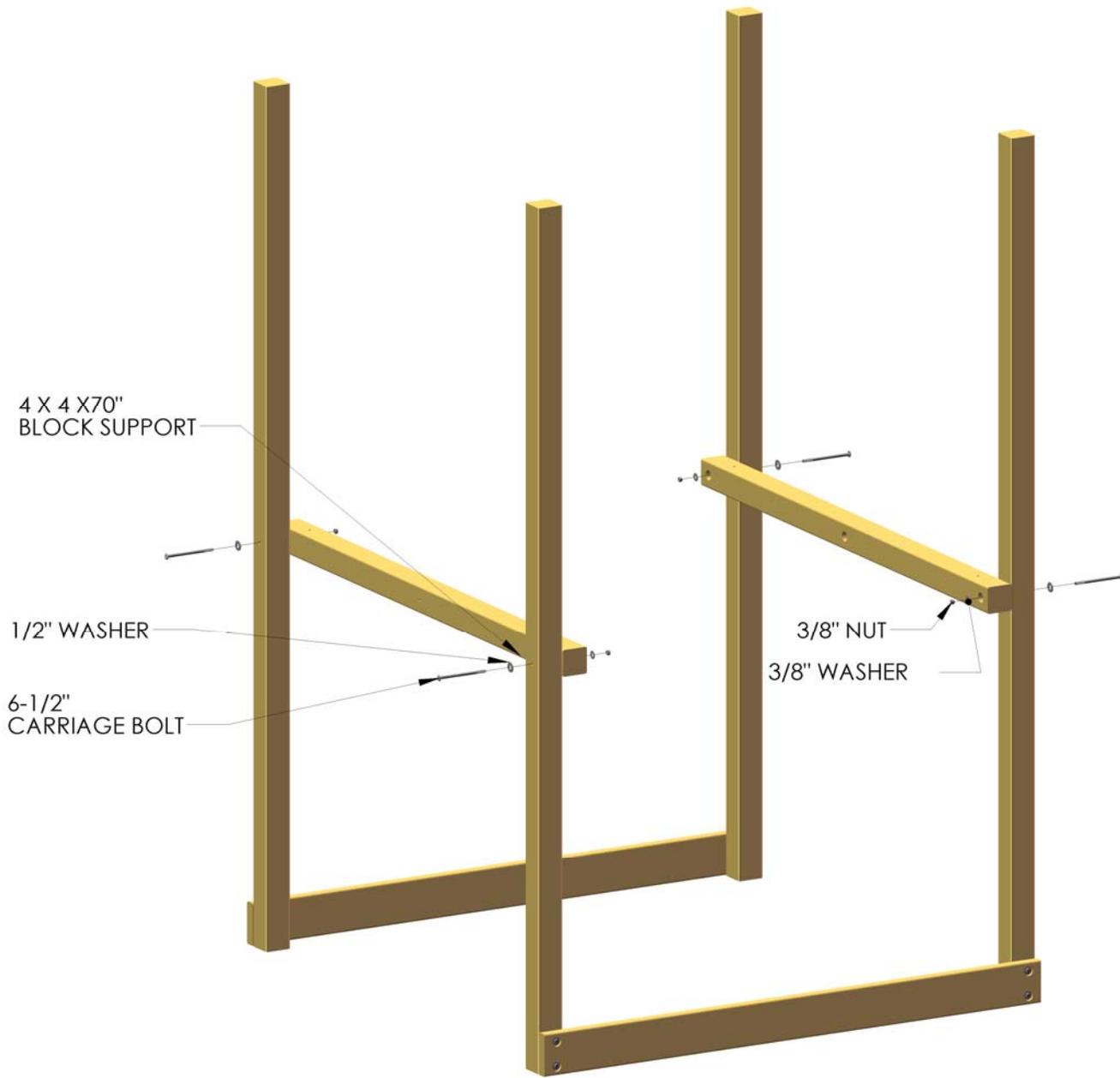
STEP 2: BLOCK SUPPORTS

PLACE THE 4 X 4 X 70" BLOCK SUPPORTS FLUSH TO THE INSIDE OF THE CORNER POSTS, LINING UP THE PILOT HOLES. FASTEN THE BLOCK SUPPORTS TO THE CORNER POSTS WITH 6-1/2" CARRIAGE BOLTS AND 1/2" WASHERS; AND 3/8" NUTS AND 3/8" WASHERS. MAKE SURE THE COUNTER-SUNK HOLES ARE FACING TO THE INSIDE OF THE UNIT.

NOTE:

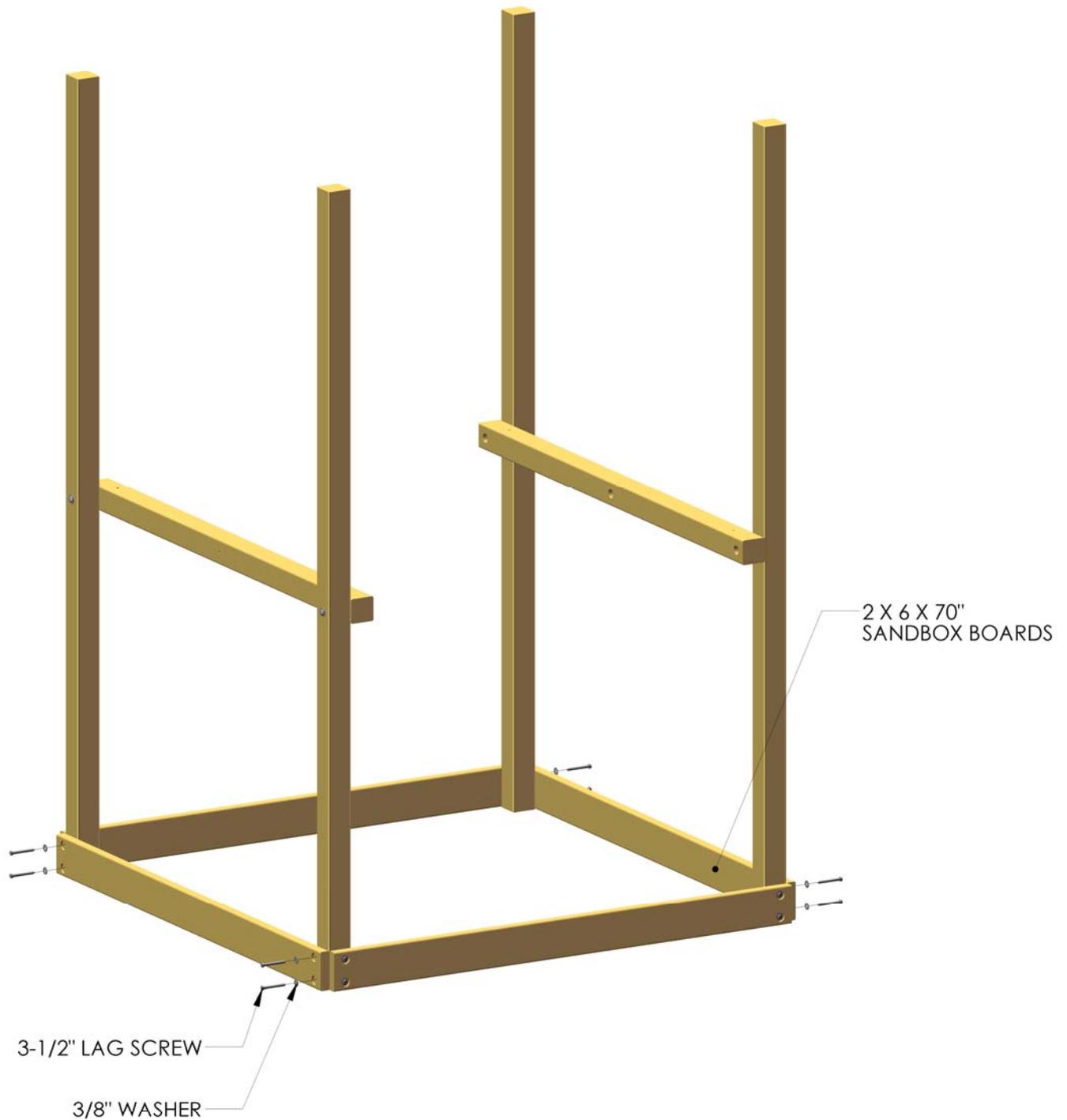
1/2" WASHERS TO THE OUTSIDE OF THE CORNER POSTS

3/8" WASHERS TO THE INSIDE OF THE BLOCK SUPPORTS



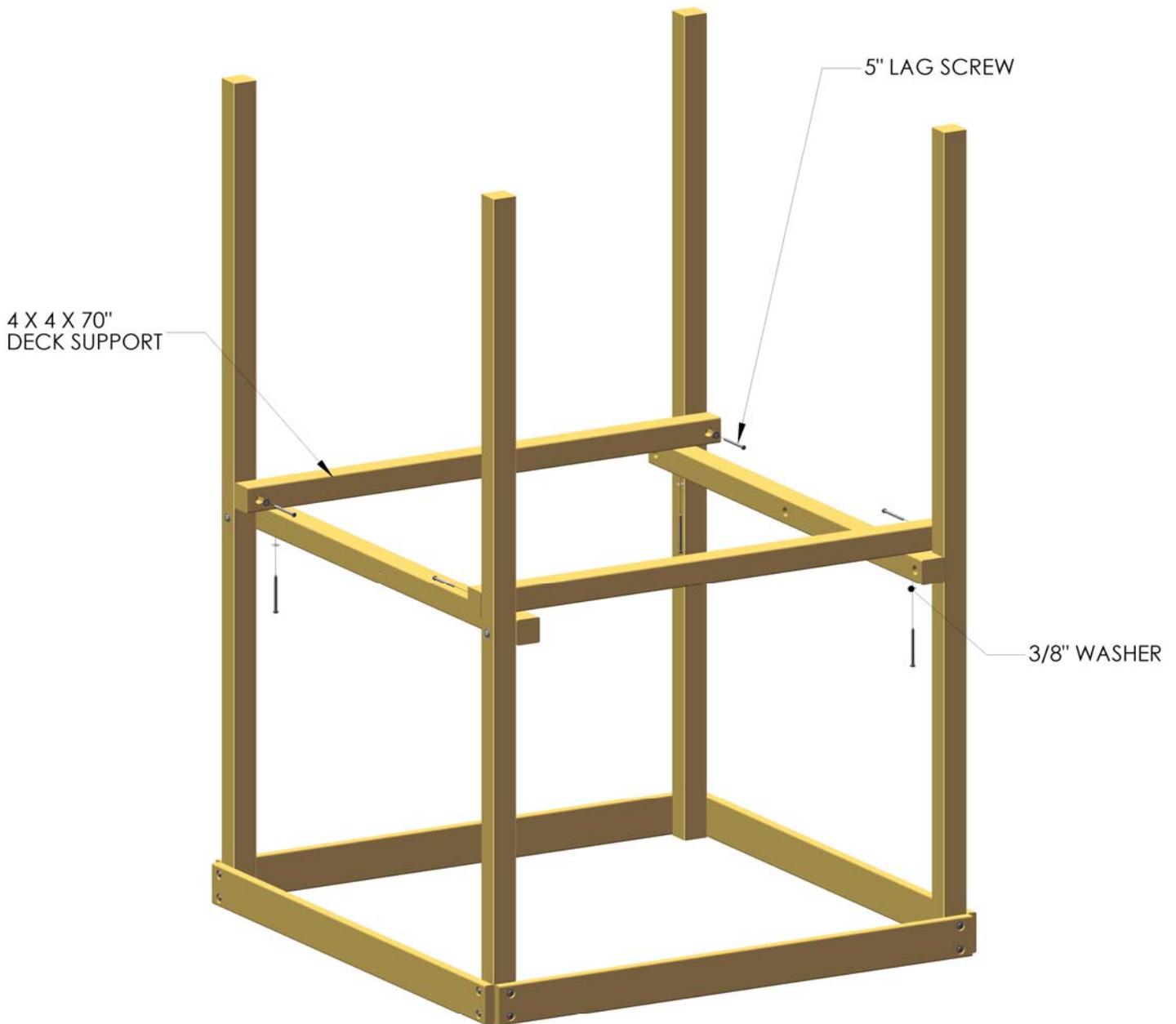
STEP 3: SANDBOX BOARDS

PLACE THE REMAINING 2 X 6 X 70" SANDBOX BOARDS FLUSH WITH THE BOTTOM OF THE CORNER POSTS. FASTEN THE SANDBOX BOARDS TO THE CORNER POSTS WITH 3-1/2" LAG SCREWS AND 3/8" WASHERS.



STEP 4: DECK SUPPORTS

PLACE THE 4 X 4 X 70" DECK SUPPORTS FLUSH TO THE INSIDE OF THE CORNER POSTS, ON TOP OF THE BLOCK SUPPORTS. FASTEN THE DECK SUPPORTS TO THE CORNER POSTS WITH 5" LAG SCREWS AND 3/8" WASHERS FROM THE INSIDE. FASTEN DECK SUPPORTS TO THE BLOCK SUPPORTS WITH 5" LAG SCREWS AND 3/8" WASHERS FROM UNDERNEATH

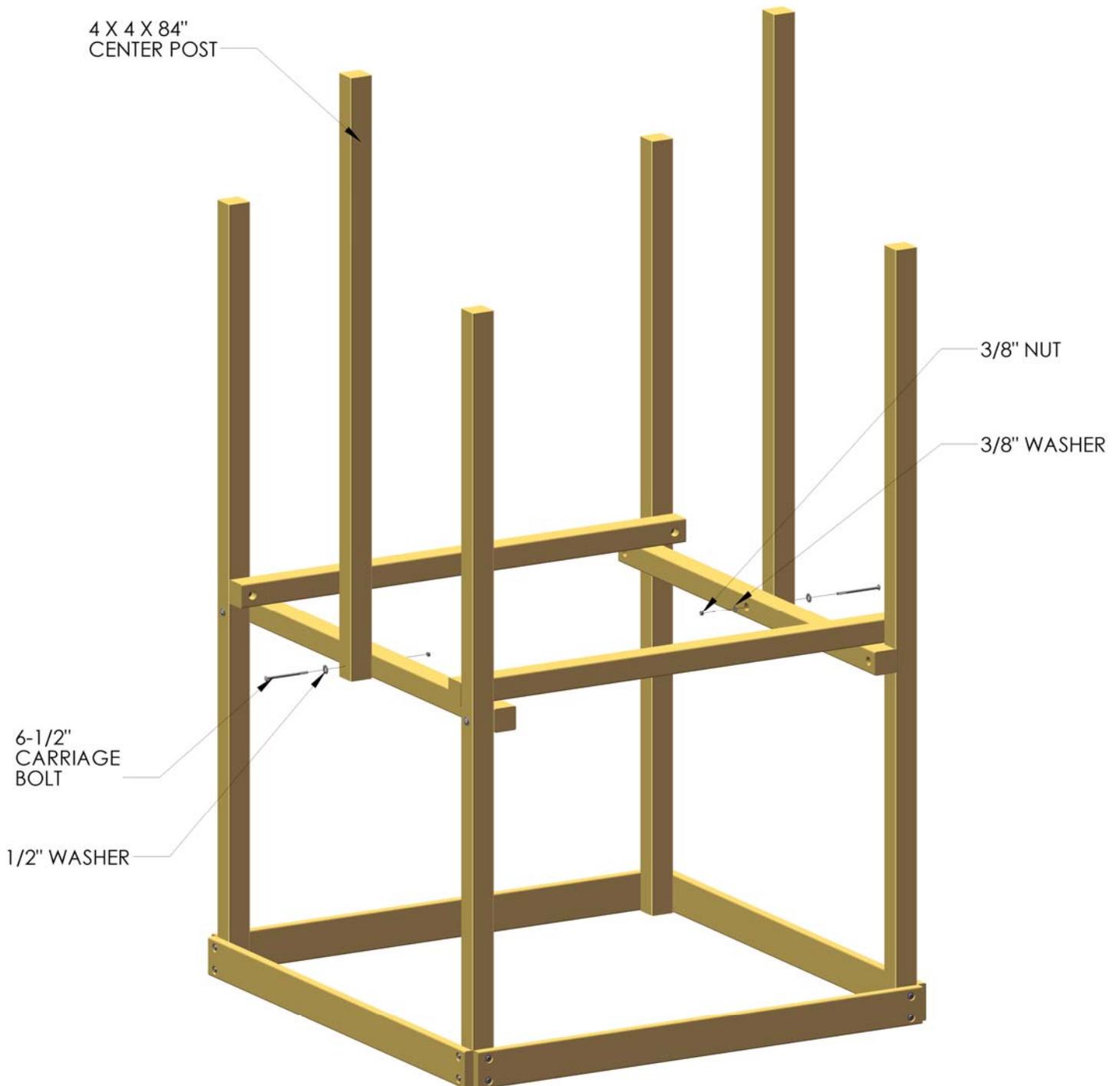


STEP 5: CENTER POSTS

PLACE THE 4 X 4 X 84" CENTER POSTS FLUSH WITH THE BOTTOM OF THE BLOCK SUPPORTS, LINING UP THE PILOT HOLES AT THE CENTER OF THE BLOCK SUPPORTS. FASTEN THE CENTER POSTS TO THE BLOCK SUPPORTS WITH 6-1/2" CARRIAGE BOLTS WITH 1/2" WASHERS, AND 3/8" NUTS WITH 3/8" WASHERS

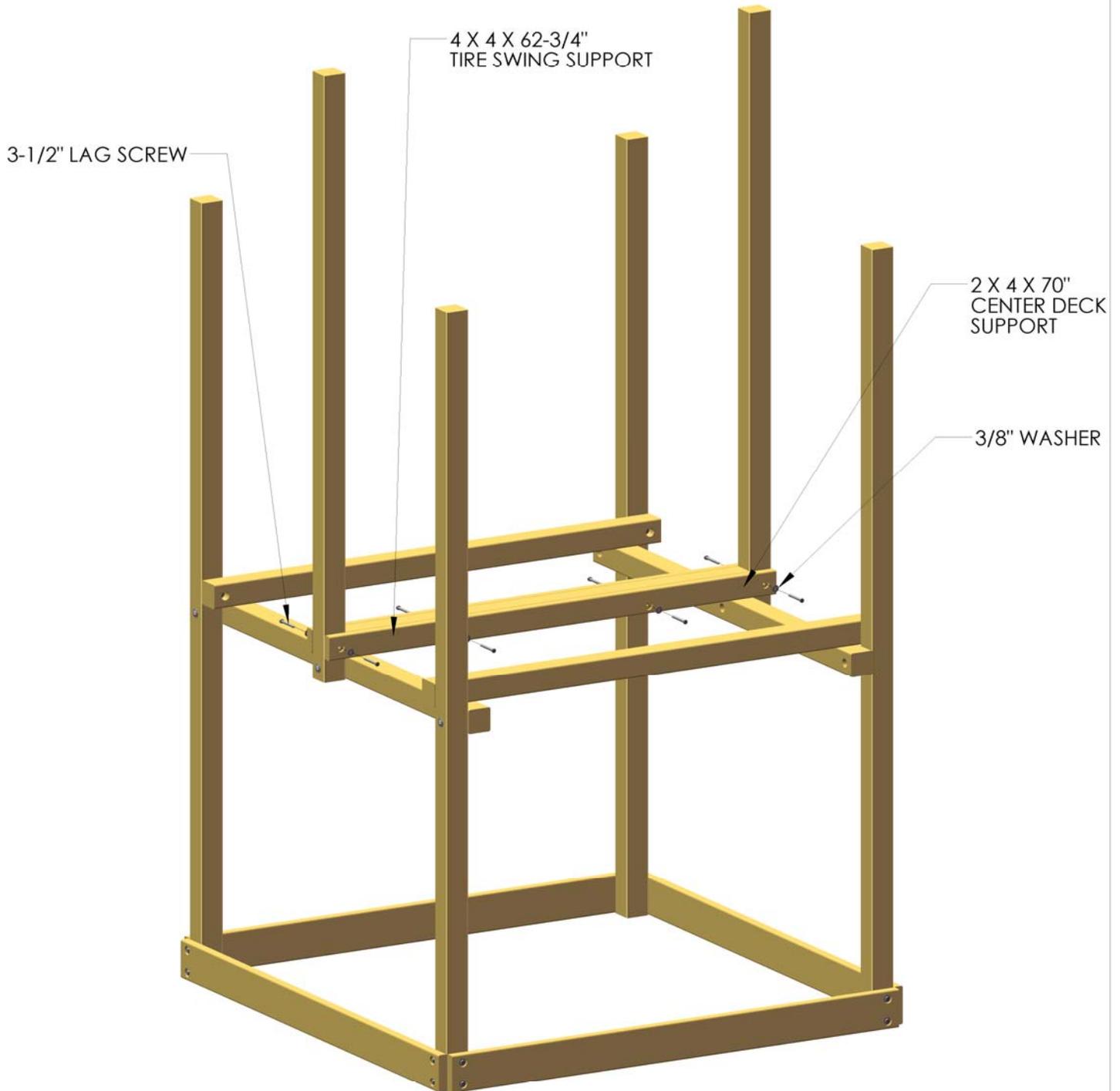
NOTE:

1/2" WASHERS TO THE OUTSIDE OF THE CENTER POSTS
3/8" WASHERS TO THE INSIDE OF THE BLOCK SUPPORTS



STEP 6: TIRE SWING SUPPORT

PLACE THE 4 X 4 X 62-3/4" TIRE SWING SUPPORT FLUSH ON TOP OF THE BLOCK SUPPORTS, IN LINE WITH THE CENTER POSTS. NO SCREWS ARE NEEDED FOR THE TIRE SWING SUPPORT. PLACE THE 2 X 6 X 70" CENTER DECK SUPPORTS FLUSH AGAINST THE CENTER POSTS, ON TOP OF THE BLOCK SUPPORTS. FASTEN THE CENTER DECK SUPPORTS TO THE CENTER POSTS AND THE TIRE SWING BEAM WITH 3-1/2" LAG SCREWS AND 3/8" WASHERS.



STEP 7: BLOCKS AND TIRE SWIVEL

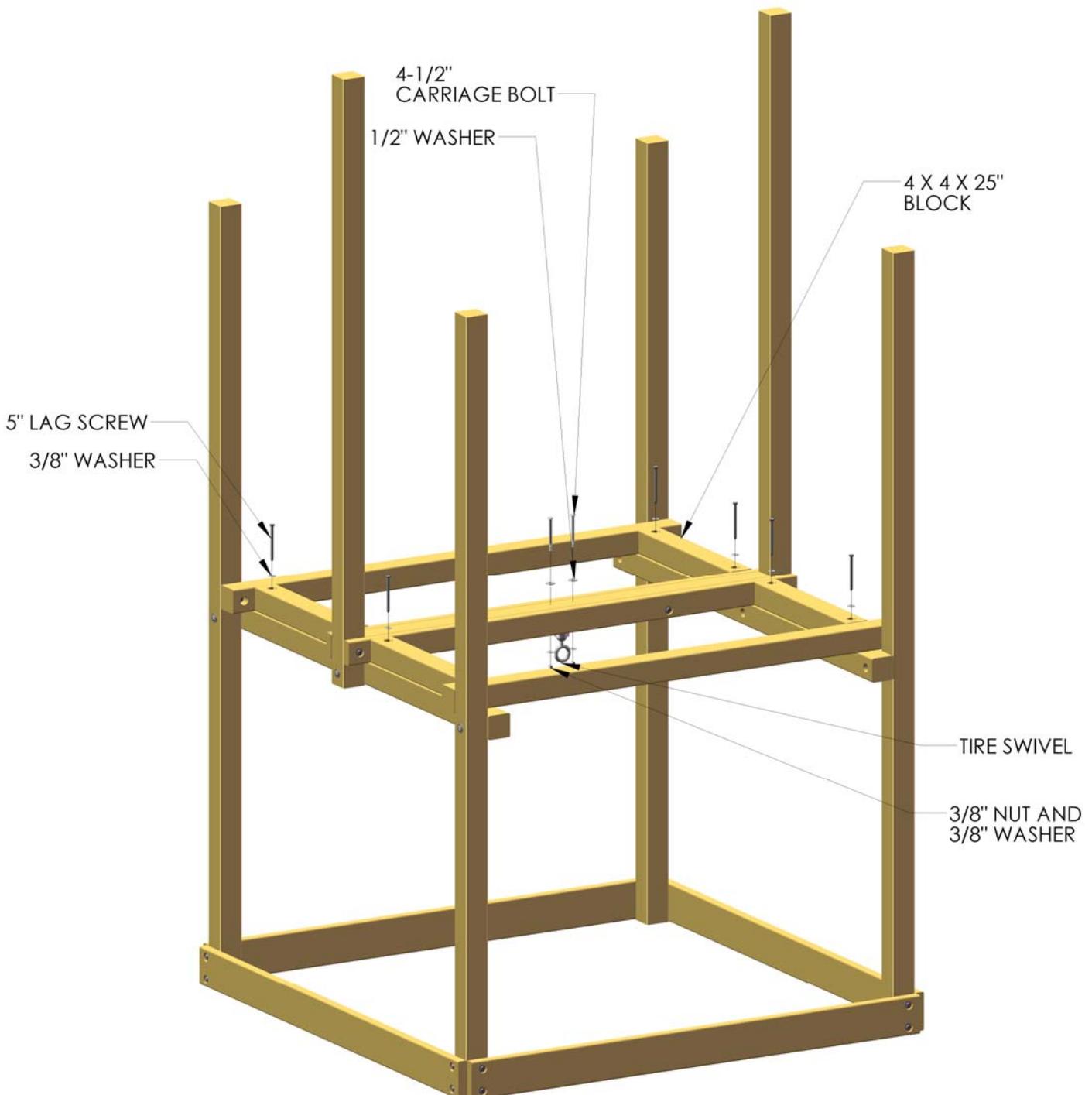
1: PLACE THE 4 X 4 X 25" BLOCKS FLUSH ON TOP OF THE BLOCK SUPPORTS, BETWEEN THE CENTER AND END DECK SUPPORTS. FASTEN THE BLOCKS TO THE BLOCK SUPPORTS WITH 5" LAG SCREWS AND 3/8" WASHERS.

2: MARK THE BOLT HOLES OF THE TIRE SWIVEL, THEN PROCEED TO DRILL TWO 3/8" PILOT HOLES THROUGH THE TIRE SWING SUPPORT. MOUNT THE TIRE SWIVEL TO THE TIRE SWING SUPPORT WITH 4-1/2" CARRIAGE BOLTS WITH 1/2" WASHERS, AND 3/8" NUTS WITH 3/8" WASHERS.

NOTE (FOR TIRE SWING SWIVEL ONLY)

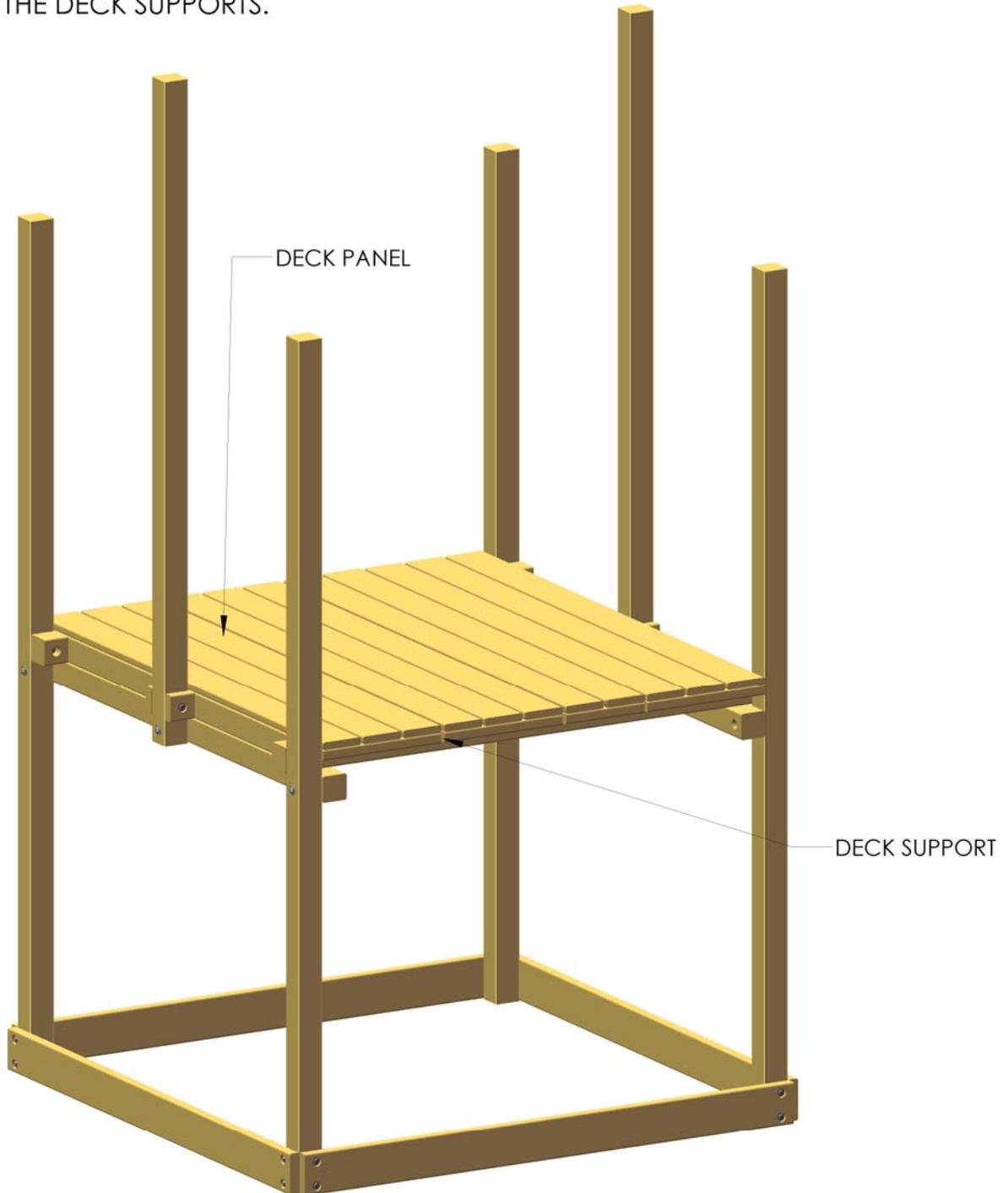
1/2" WASHER TO TOP OF TIRE SWING BEAM

3/8" WASHER TO BOTTOM OF TIRE SWING BEAM



STEP 8: DECK PANELS

PLACE THE DECK PANELS ACROSS THE DECK SUPPORTS, ALLOWING THE 2 X 4 DECK STREAMERS TO OVERLAP THE DECK SUPPORTS.



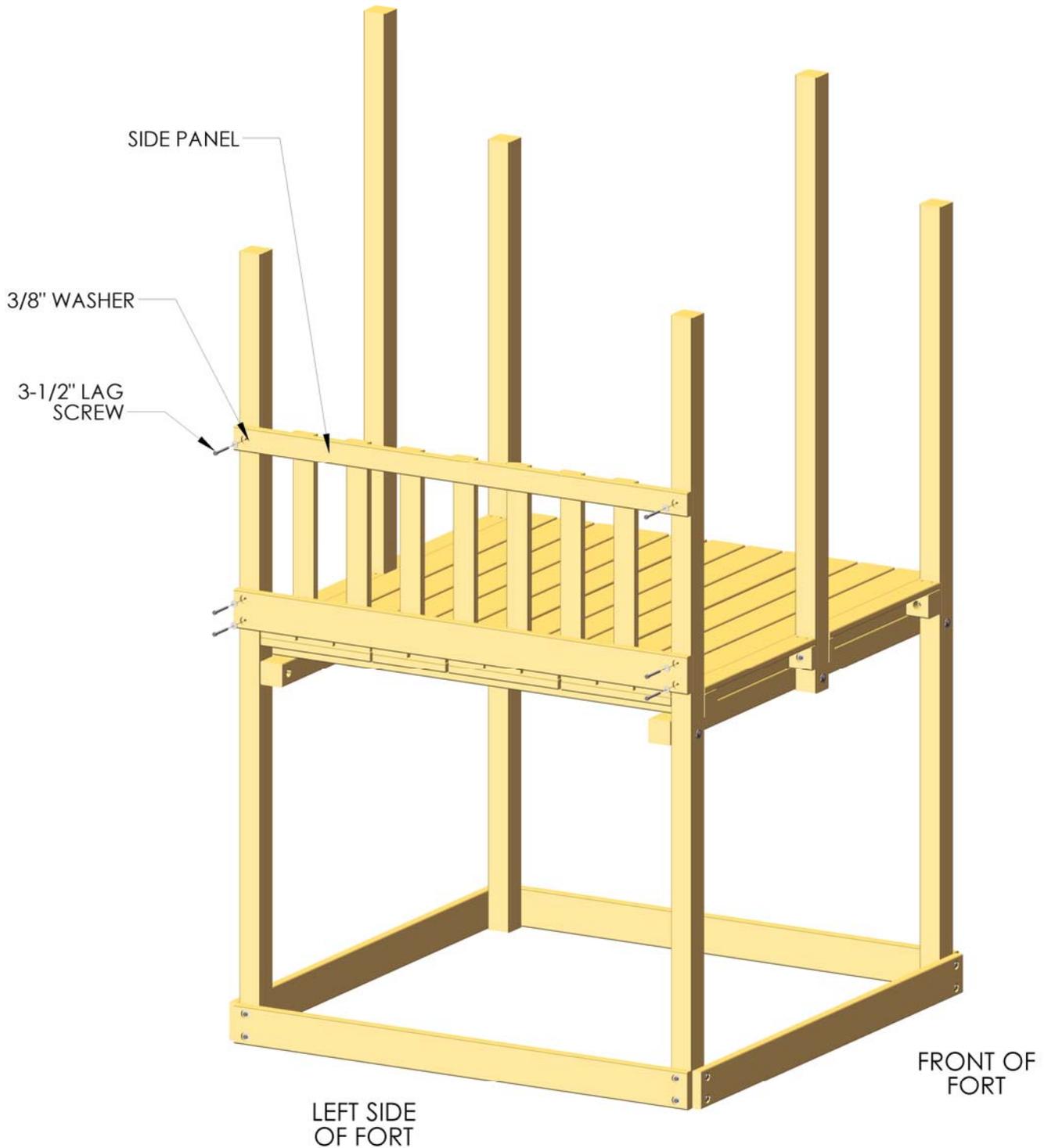
STEP 9: DECK SPACERS

PLACE THE 5/4 X 3-1/2 X 29 3/4" DECK SPACERS FLUSH ON TOP OF THE CENTER AND END DECK SUPPORTS, BETWEEN THE CENTER AND CORNER POSTS. FASTEN THE DECK SPACERS TO THE CENTER AND END DECK SUPPORTS WITH 2" WOOD SCREWS.



STEP 10: SIDE PANEL

PLACE THE 70" SIDE PANEL FLUSH AGAINST THE CORNER POSTS ON THE LEFT SIDE OF THE FORT, ALLOWING THE PANEL BOARDS TO REST ON TOP OF THE DECK. FASTEN THE SIDE PANEL TO THE CORNER POSTS USING 3-1/2" LAG SCREWS AND 3/8" WASHERS.



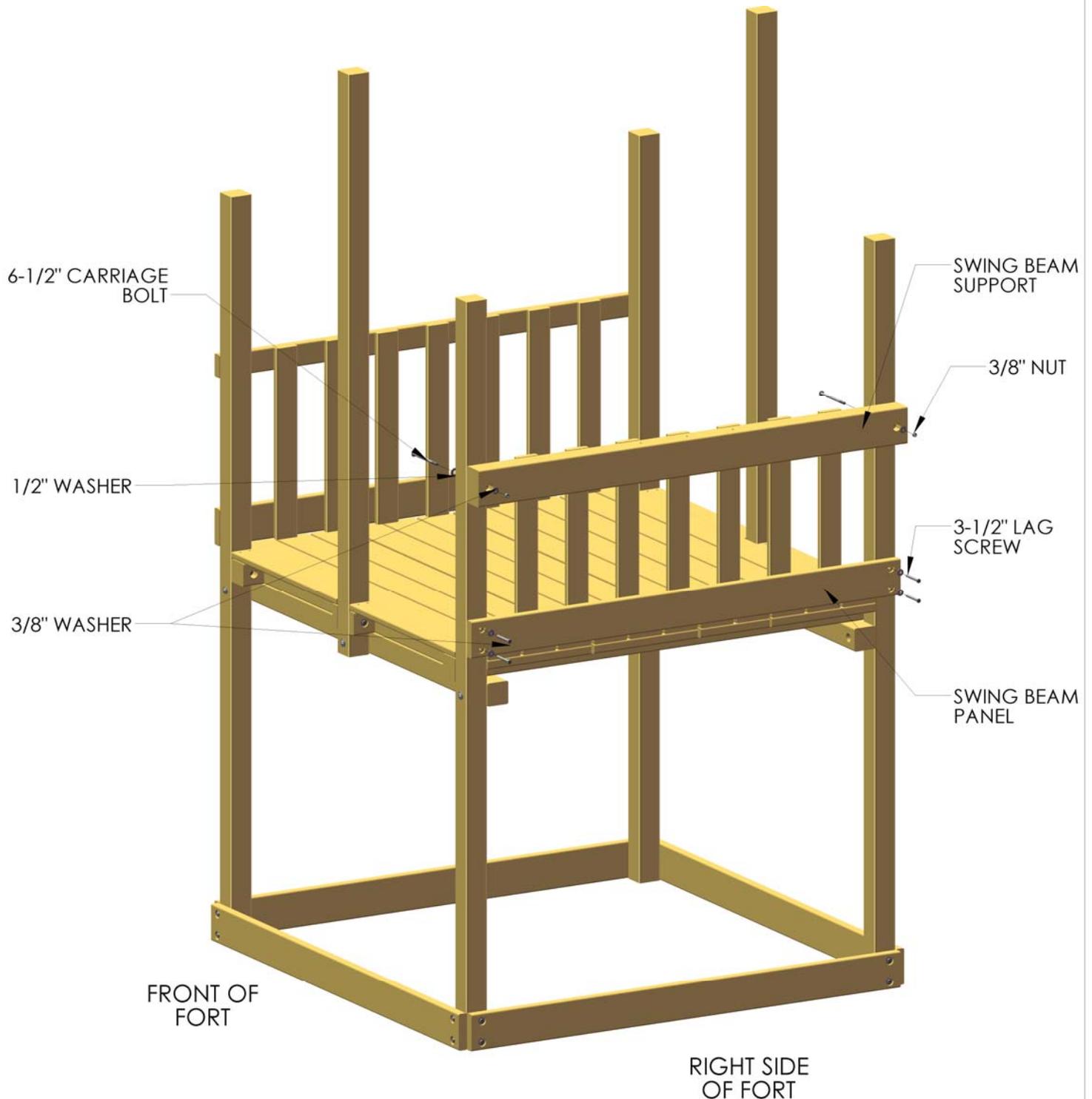
STEP 11: SWINGBEAM PANEL

PLACE THE 70" SWING BEAM PANEL FLUSH AGAINST THE CORNER POSTS ON THE RIGHT SIDE OF THE FORT, ALLOWING THE PANEL BOARDS TO REST ON TOP OF THE DECK. FASTEN THE 4 X 6 SWING BEAM SUPPORT TO THE CORNER POSTS USING 6-1/2" CARRIAGE BOLTS WITH 3/8" WASHERS, AND 3/8" NUTS WITH 3/8" WASHERS. FASTEN THE BOTTOM BOARD TO THE CORNER POSTS USING 3-1/2" LAG SCREWS AND 3/8" WASHERS. MAKE SURE COUNTER-SUNK HOLES ARE TO THE OUTSIDE.

NOTE:

1/2" WASHERS TO THE INSIDE OF THE POSTS

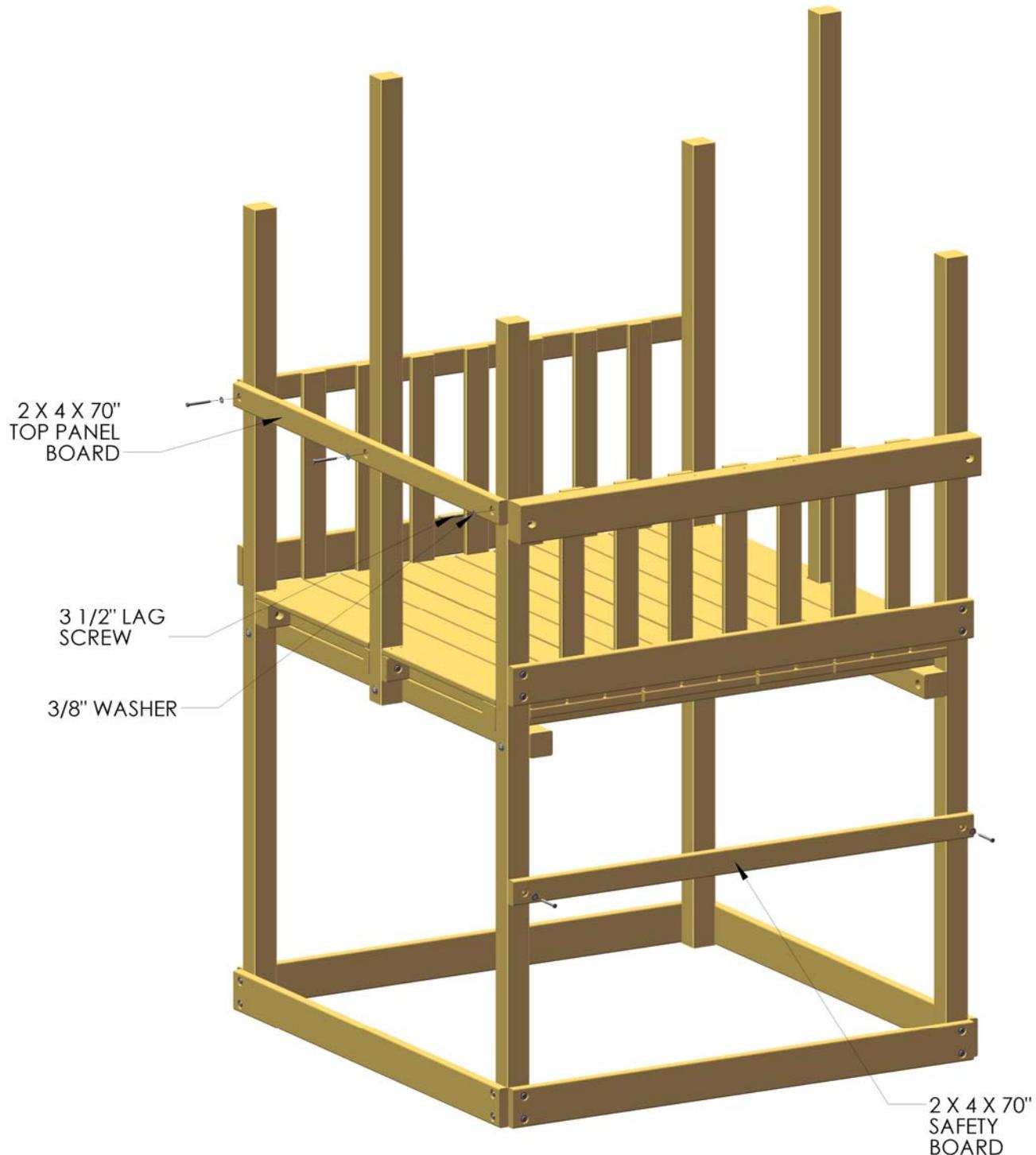
3/8" WASHERS TO THE OUTSIDE OF THE SWING BEAM SUPPORT



STEP 12: SAFETY BOARDS

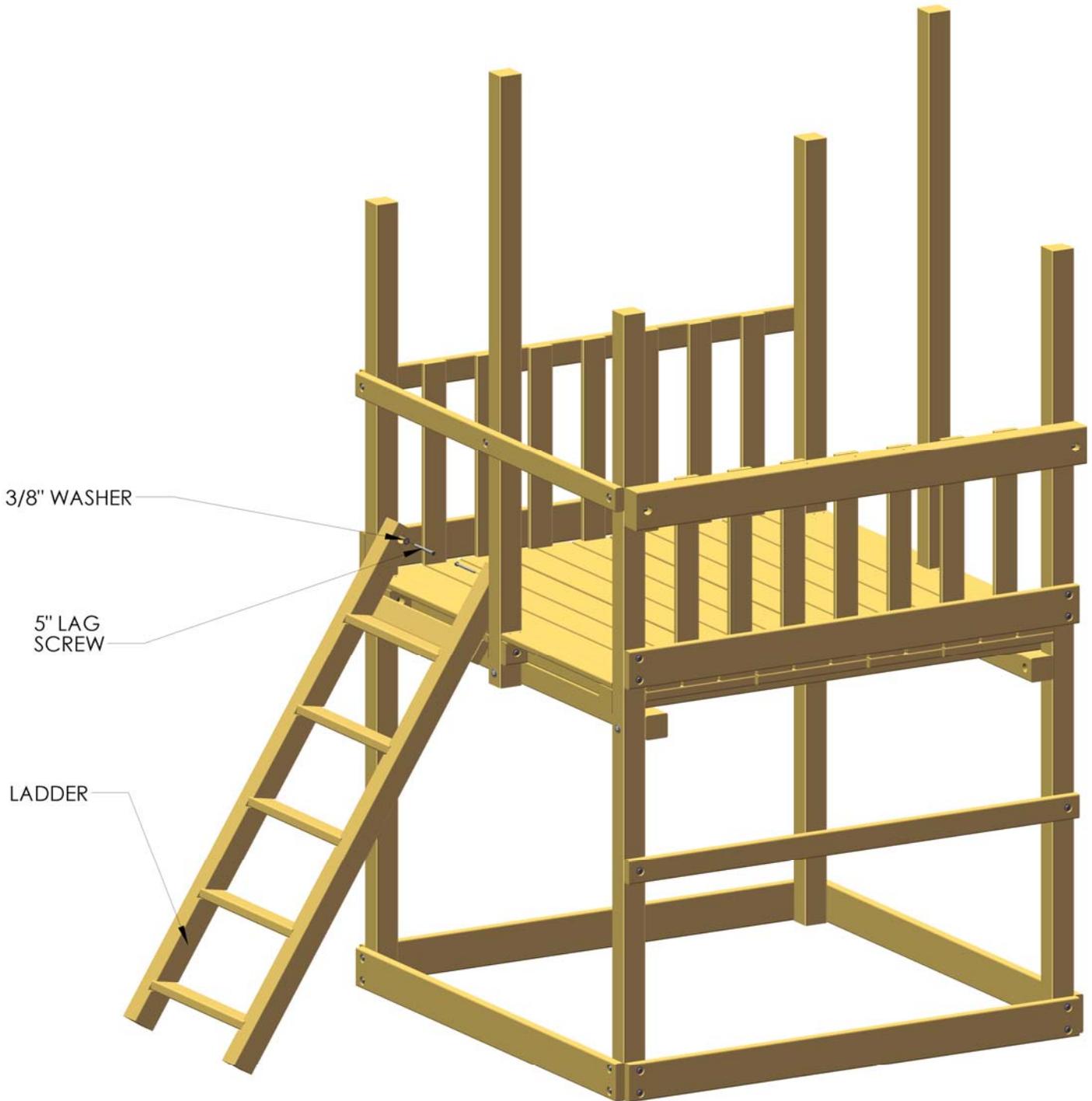
1: PLACE THE 2 X 4 X 70" TOP PANEL BOARD FLUSH TO THE FRONT CORNER POSTS, PERPENDICULAR WITH THE SIDE PANELS. FASTEN THE TOP PANEL BOARD TO THE FRONT, CENTER, AND CORNER POSTS WITH 3-1/2" LAG SCREWS AND 3/8" WASHERS.

2: PLACE THE 2 X 4 X 70" SAFETY BOARD FLUSH TO THE CORNER POSTS ON THE SAME SIDE OF THE SWING BEAM PANEL, AT THE DESIRED HEIGHT. FASTEN THE SAFETY BOARD TO THE CORNER POSTS WITH 3-1/2" SCREWS AND 3/8" WASHERS



STEP 13: LADDER

PLACE THE LADDER FLUSH TO THE INSIDE OF THE FRONT CENTER AND CORNER POSTS. FASTEN THE LADDER TO THE FRONT CENTER AND CORNER POSTS USING 5" LAG SCREWS AND 3/8" WASHERS FROM THE INSIDE OF THE LADDER RAILS



STEP 14: TARP BOARDS

PLACE THE 2 X 4 X 70" TARP BOARDS FLUSH ON TOP OF THE CORNER POSTS AND THE CENTER POST. FASTEN THE TARP BOARDS TO THE POSTS WITH 3-1/2" LAG SCREWS AND 3/8" WASHERS.



STEP 15: BOTTOM PANEL BOARD

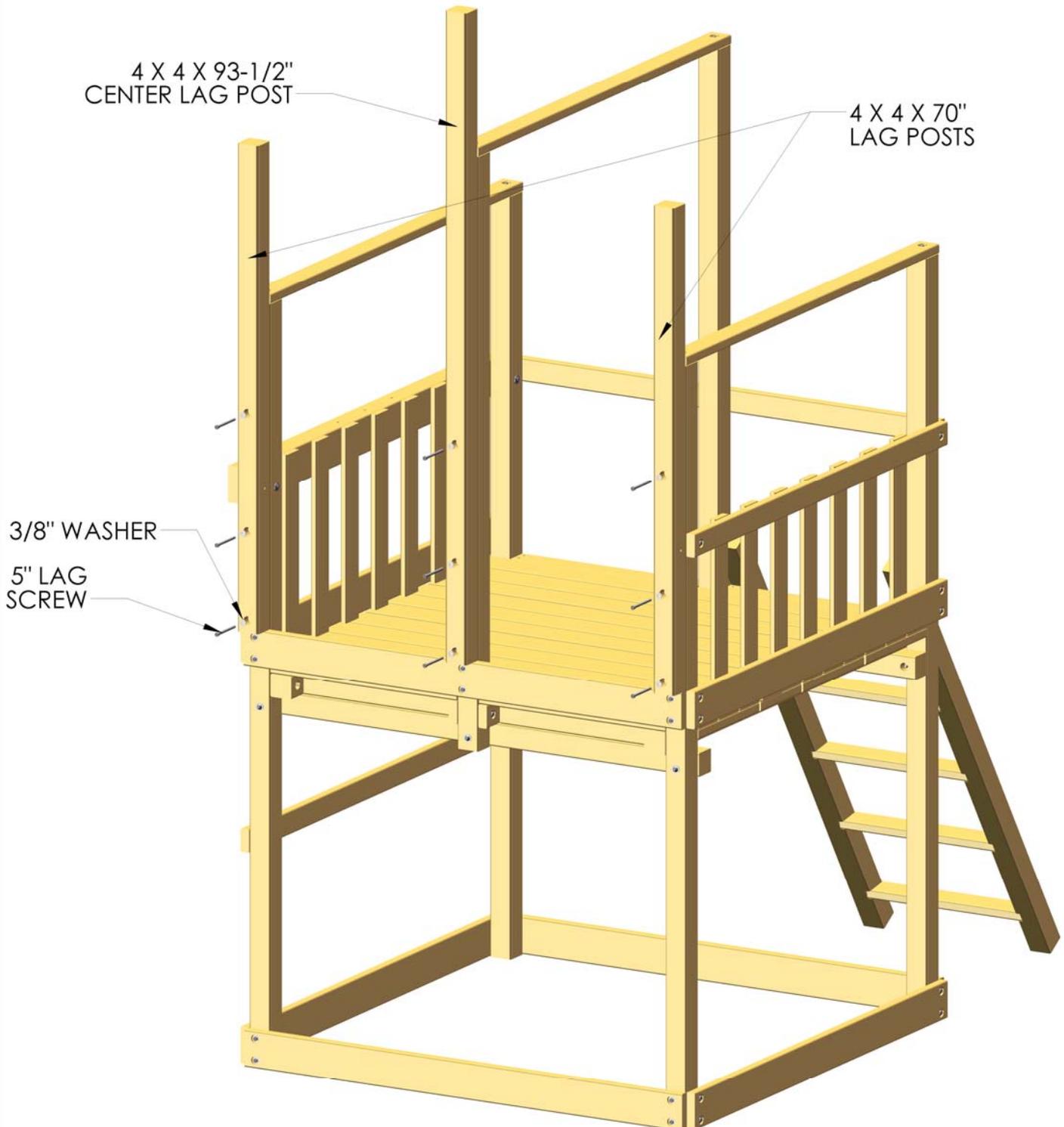
LINE UP THE 2 X 6 X 70" BOTTOM PANEL BOARD TO THE BOTTOM BOARDS OF THE SIDE PANEL AND SWING BEAM PANEL. FASTEN THE BOTTOM PANEL BOARD TO THE BACK CORNER POSTS WITH 3-1/2" LAG SCREWS AND 3/8" WASHERS.



STEP 16: LAG POSTS

1: PLACE THE 4 X 4 X 70" LAG POSTS ON TOP OF THE BOTTOM PANEL BOARD, FLUSH AGAINST THE BACK CORNER POSTS. FASTEN THE LAG POSTS TO THE BACK CORNER POSTS WITH 5" LAG SCREWS AND 3/8" WASHERS.

2: PLACE THE 4 X 4 X 93-1/2" CENTER LAG POST ON TOP OF THE BOTTOM PANEL BOARD, FLUSH AGAINST THE BACK CENTER POST. FASTEN THE CENTER LAG POST TO THE BACK CENTER POST WITH 5" LAG SCREWS AND 3/8" WASHERS.



STEP 17: CL DECK SUPPORTS

PLACE THE 4 X 4 X 30-3/4" CL DECK SUPPORTS ON THE INSIDE OF THE CORNER LAG POSTS, LINING UP THE PILOT HOLES, WITH THE COUNTER-SUNK HOLES FACING THE CENTER POST. FASTEN THE CL DECK SUPPORTS TO THE CORNER LAG POSTS USING 6-1/2" CARRIAGE BOLTS WITH 1/2" WASHERS AND 3/8" NUTS WITH 3/8" WASHERS.

NOTE:

1/2" WASHERS TO THE OUTSIDE OF THE CL CORNER LAG POSTS.
3/8" WASHERS TO THE COUNTER-SUNK HOLES OF THE CL DECK SUPPORTS.

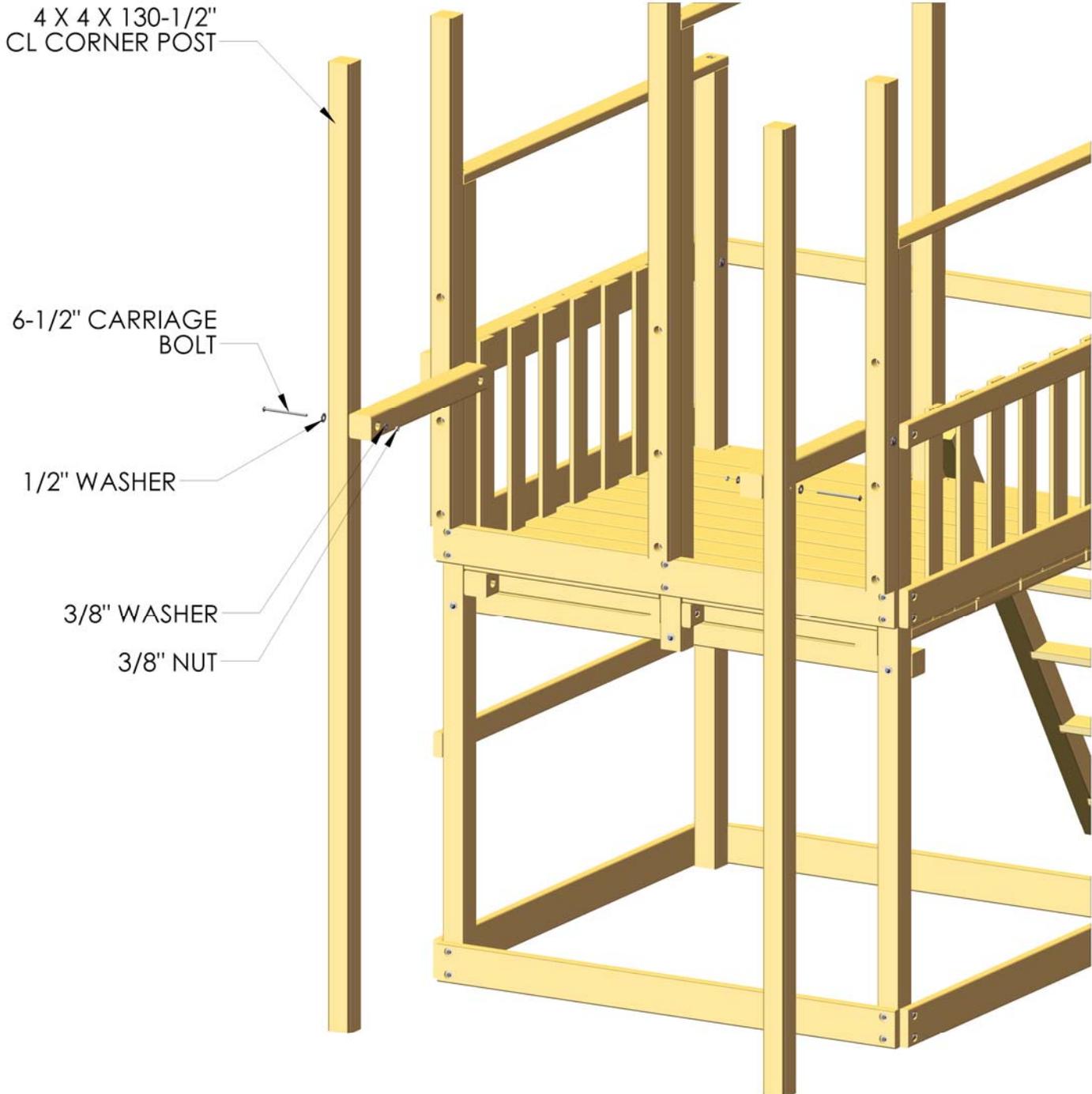


STEP 18: CL CORNER POSTS

PLACE THE 4 X 4 X 130-1/2" CL CORNER POSTS ON THE OUTSIDE OF THE CL DECK SUPPORTS, LINING UP THE PILOT HOLES. FASTEN THE CL CORNER POSTS TO THE CL DECK SUPPORTS USING 6-1/2" CARRIAGE BOLTS WITH 1/2" WASHERS AND 3/8" NUTS WITH 3/8" WASHERS.

NOTE:

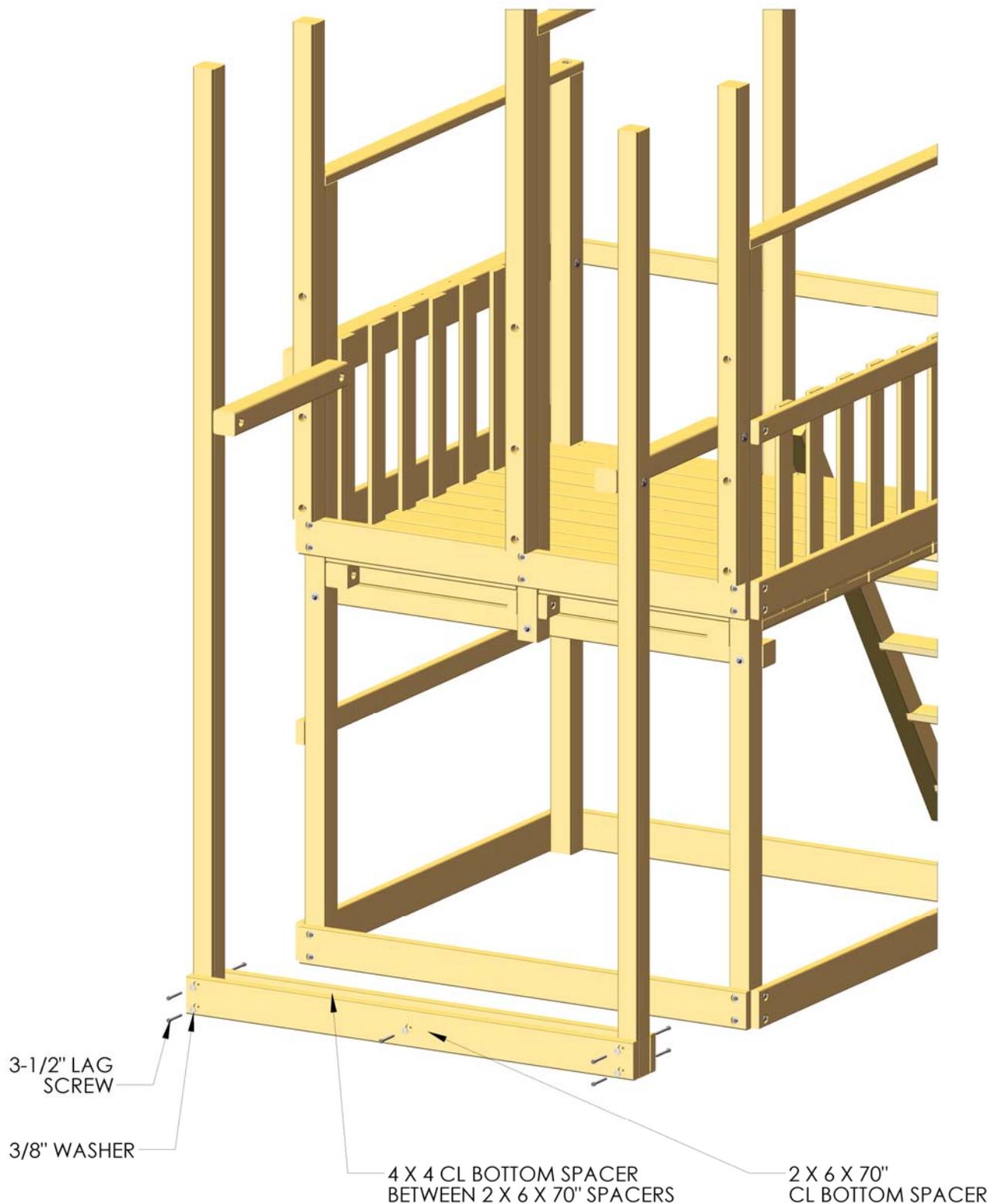
1/2" WASHERS TO THE OUTSIDE OF THE CL CORNER POSTS.
3/8" WASHERS TO THE COUNTER-SUNK HOLES OF THE CL DECK SUPPORTS.



STEP 19: CL BOTTOM SPACERS

1: PLACE THE 4 X 4 CL BOTTOM SPACER IN BETWEEN THE CL CORNER POSTS. NO SCREWS ARE NEEDED.

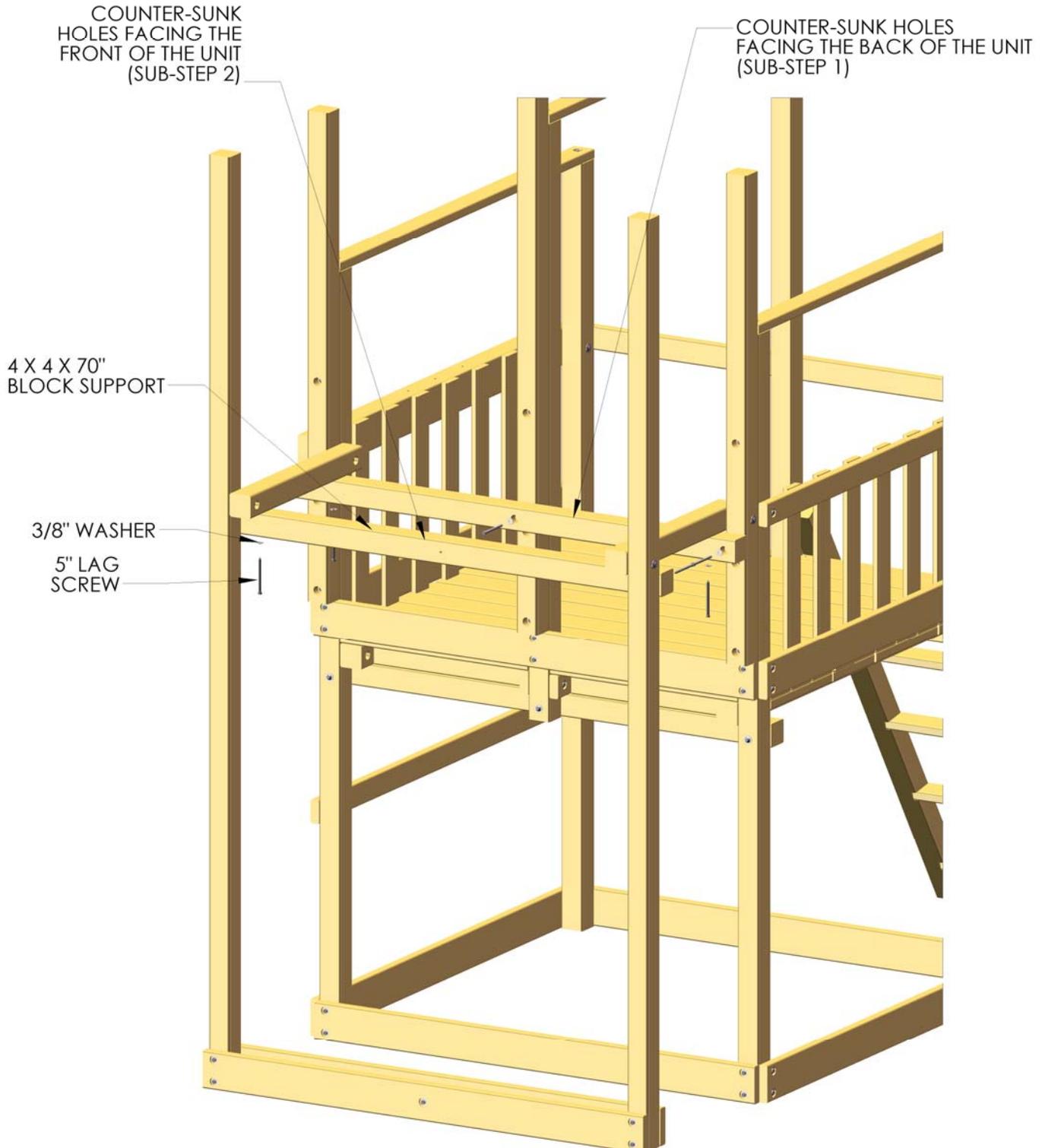
2: PLACE THE 2 X 6 X 70" BOTTOM SPACER ON BOTH SIDES OF THE 4 X 4 BOTTOM SPACER AND SECURE TO THE CL CORNER POSTS WITH 3-1/2" LAG SCREWS AND 3/8" WASHERS.



STEP 20: BLOCK SUPPORTS

1: PLACE THE 4 X 4 X 70" BLOCK SUPPORT UNDERNEATH THE CL DECK SUPPORTS AND IN FRONT OF THE CL LAG POSTS WITH THE COUNTER-SUNK HOLES FACING DOWN AND FACING THE BACK OF THE UNIT.(SEE NOTE BELOW). FASTEN THE BLOCK SUPPORT TO THE LAG POSTS WITH 5" LAG SCREWS.

2: PLACE THE 4 X 4 X 70" BLOCK SUPPORT UNDERNEATH THE CL DECK SUPPORTS AND IN FRONT OF THE CL CORNER POSTS WITH THE COUNTER-SUNK HOLES FACING DOWN AND FACING TOWARD THE FRONT OF THE UNIT.(SEE NOTE BELOW). FASTEN THE BLOCK SUPPORT TO THE CL CORNER POSTS WITH 5" LAG SCREWS.

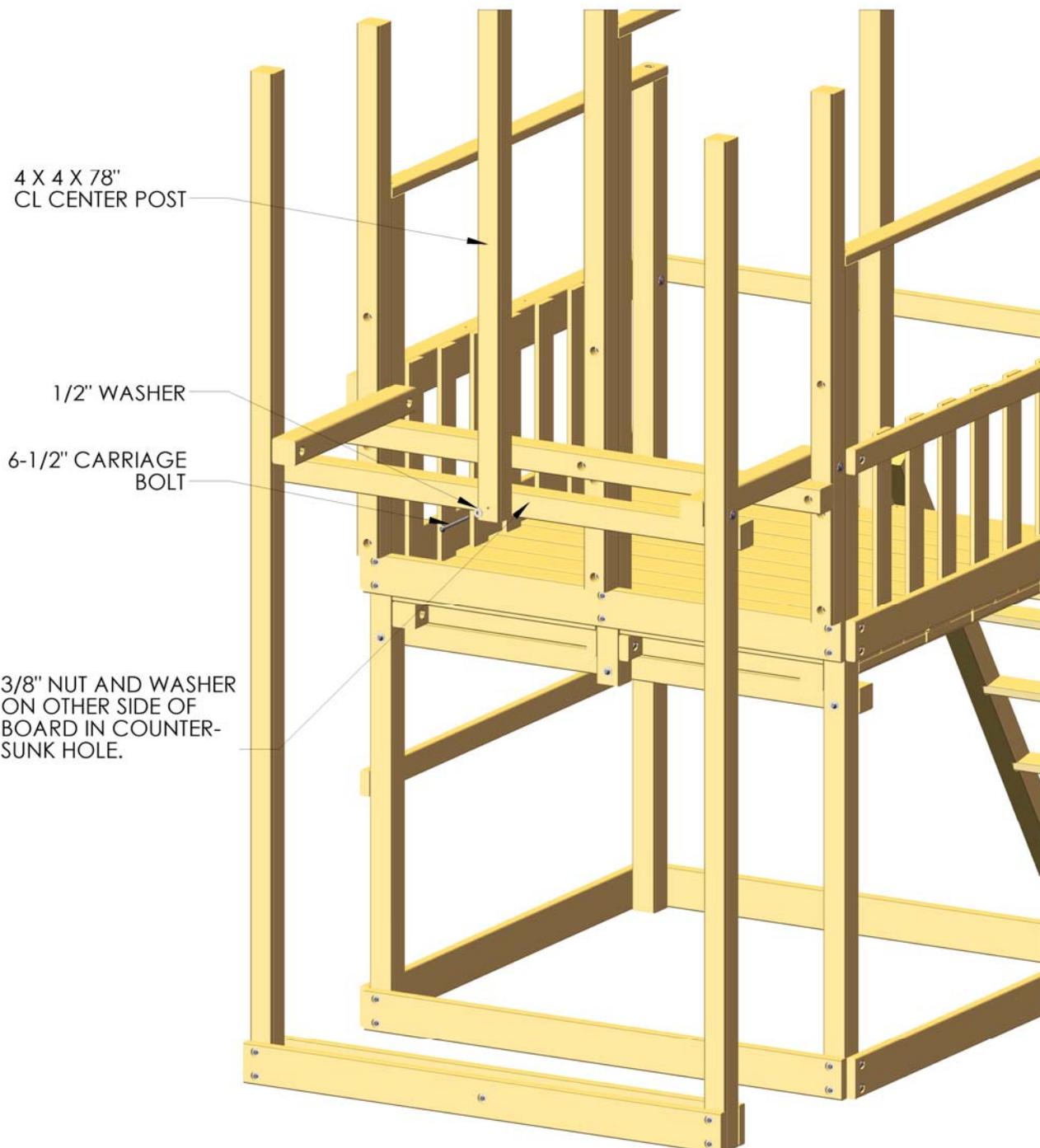


STEP 21: CL CENTER POST

1: PLACE THE 4 X 4 X 78" CL CENTER POST AGAINST THE BLOCK SUPPORT AND LINE UP THE PILOT HOLES. FASTEN THE CL CENTER POST TO THE BLOCK SUPPORT WITH 6-1/2" CARRIAGE BOLTS WITH 1/2" WASHER AND 3/8" NUT WITH 3/8" WASHER.

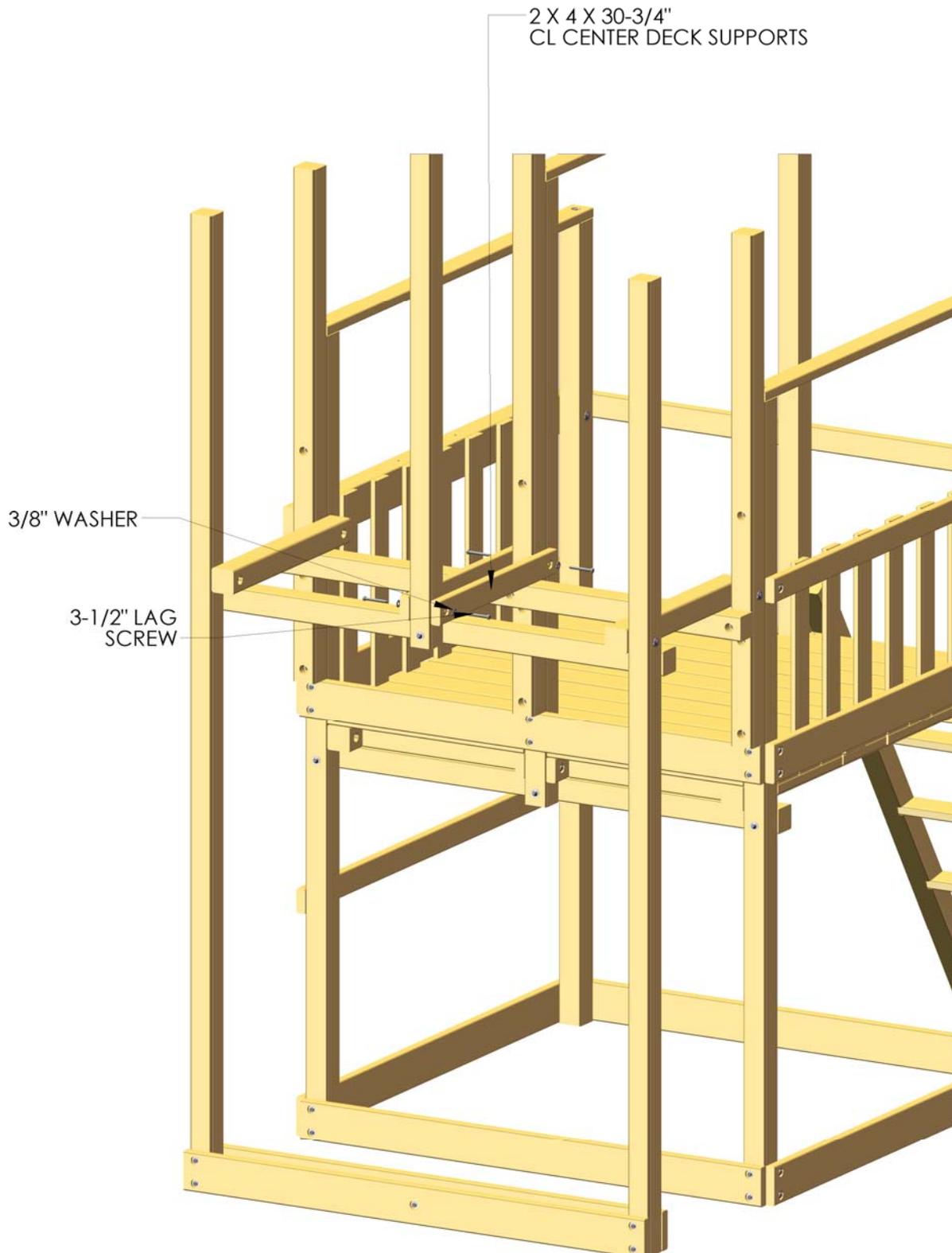
NOTE:

1/2" WASHER TO THE OUTSIDE OF THE CL CENTER POST.
3/8" WASHER TO THE COUNTER-SUNK HOLE IN THE BLOCK SUPPORT.



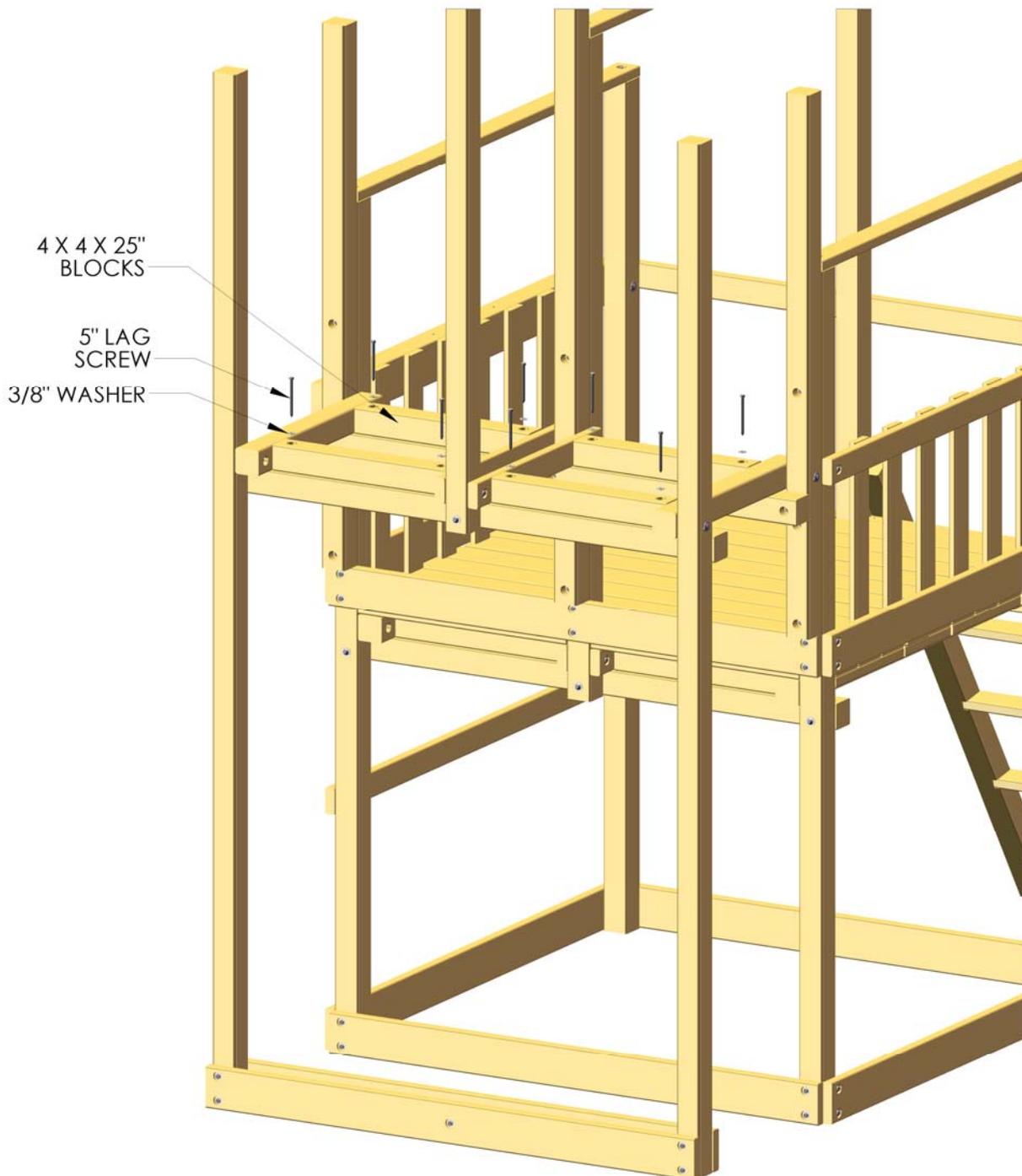
STEP 22: CL CENTER DECK SUPPORTS

PLACE THE 2 X 4 X 30-3/4" CL CENTER DECK SUPPORTS ON TOP OF THE BLOCK SUPPORTS AND AGAINST THE CENTER POSTS. FASTEN THE CL CENTER DECK SUPPORT TO THE CENTER POSTS WITH 3-1/2" LAG SCREWS AND 3/8" WASHERS.



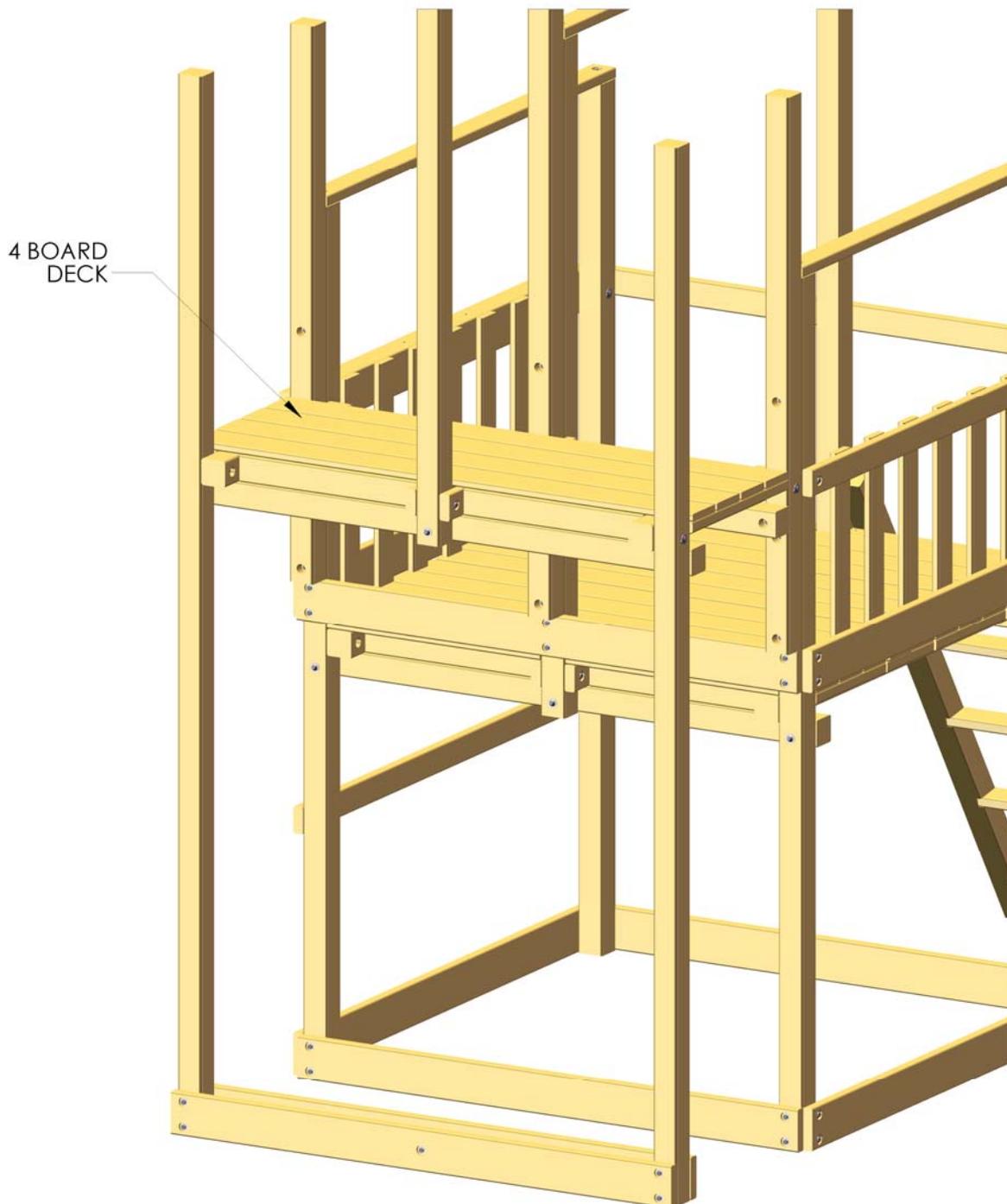
STEP 23: BLOCKS

PLACE THE 4 X 4 X 25" BLOCKS ON TOP OF THE BLOCK SUPPORTS BETWEEN THE CL CENTER AND END DECK SUPPORTS. FASTEN THE BLOCKS TO THE BLOCK SUPPORTS WITH 5" LAG SCREWS AND 3/8" WASHERS.



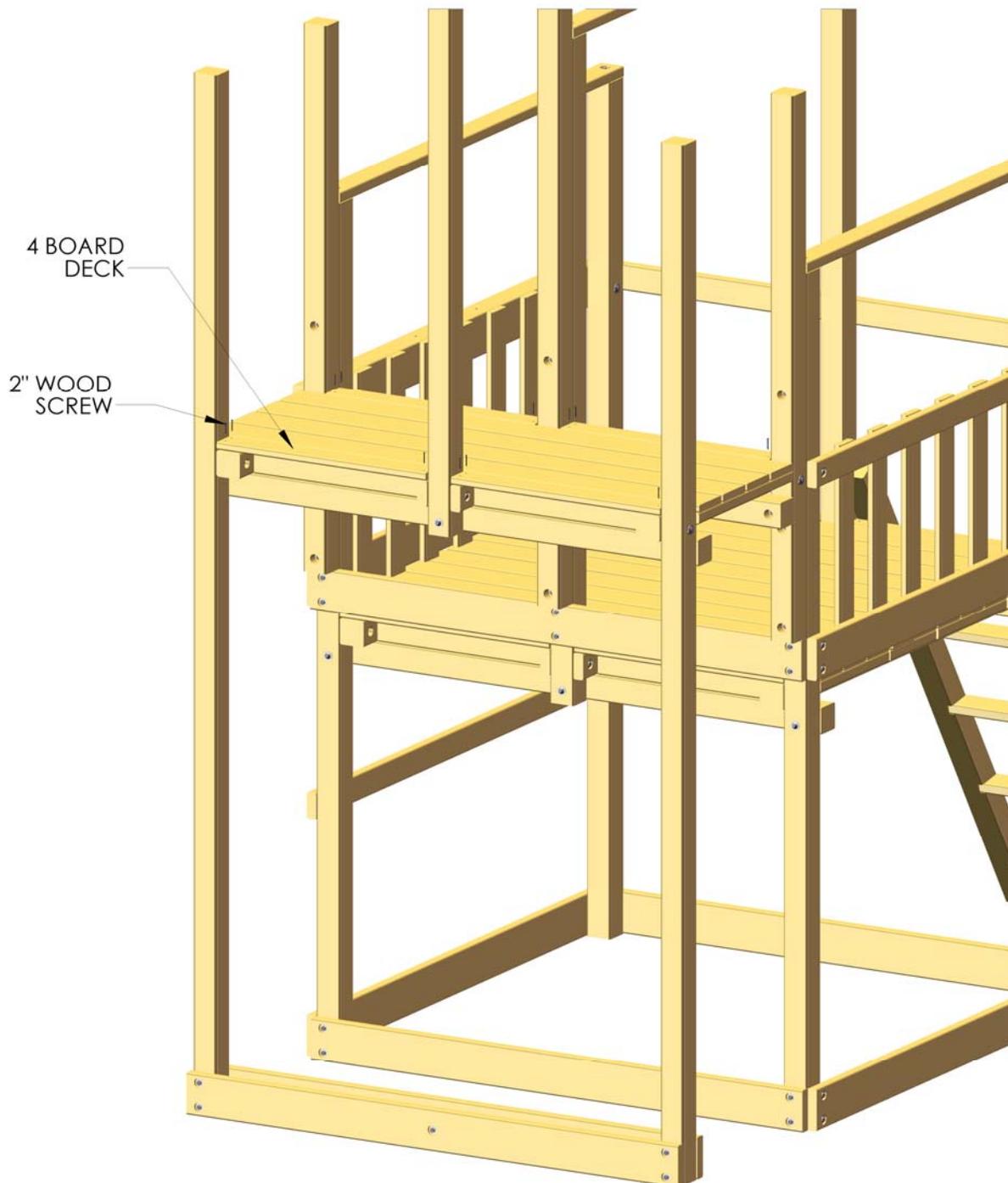
STEP 24: CL DECK PANEL

PLACE THE 4 BOARD DECK ACROSS THE DECK SUPPORTS, ALLOWING THE 2 X 4 DECK STREAMERS TO OVERLAP THE DECK SUPPORTS.



STEP 24: DECK SPACERS

PLACE THE 5/4 X 3-1/2 X 29-3/4" DECK SPACERS ON TOP OF THE CL CENTER AND END DECK SUPPORTS, BETWEEN THE CL CORNER AND CENTER POSTS. FASTEN THE DECK SPACERS TO THE CL CENTER AND END DECK SUPPORTS WITH 2" WOOD SCREWS.



STEP 26: CL STEPS

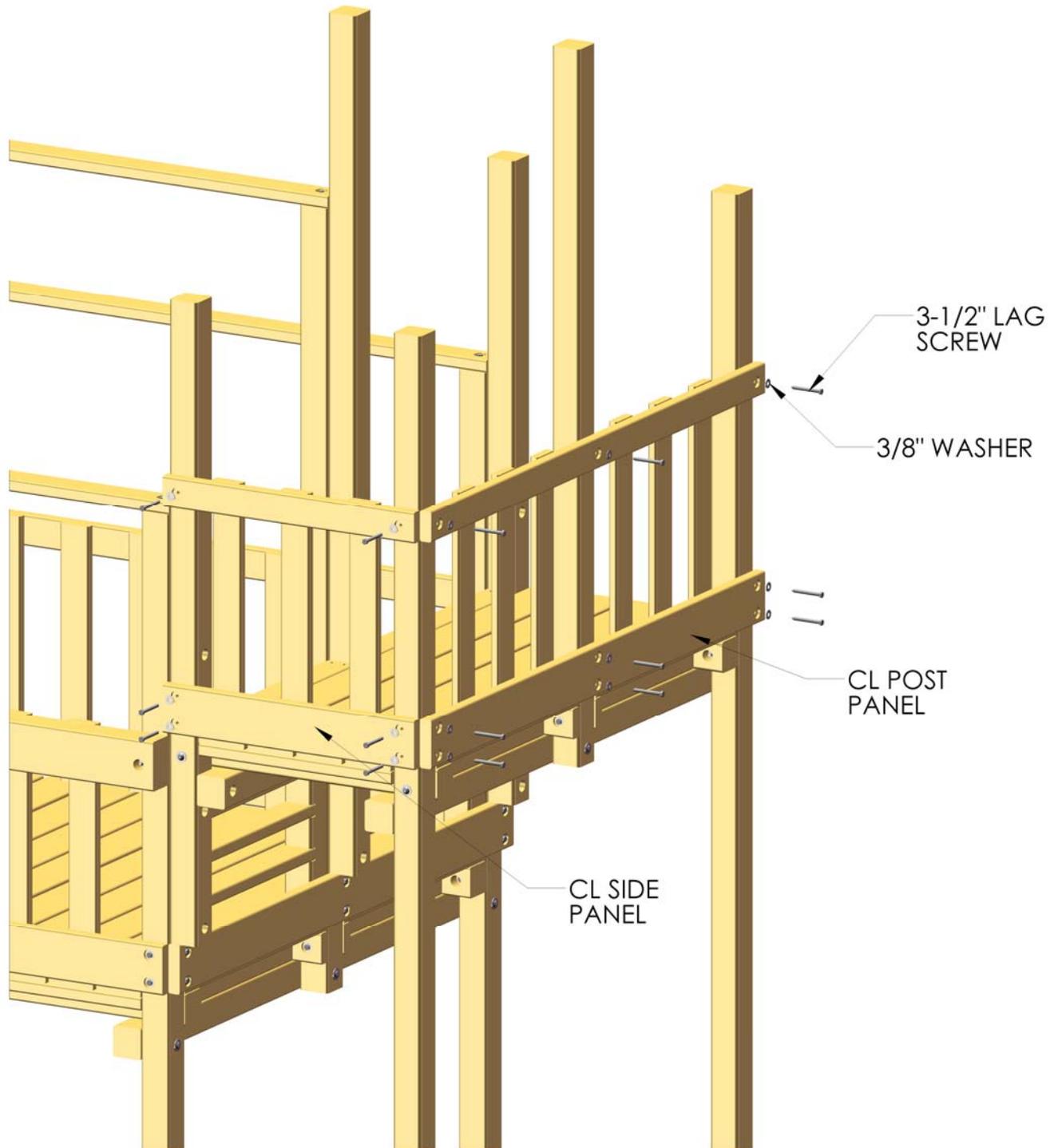
PLACE THE CL STEPS BETWEEN THE BACK CENTER AND CORNER POSTS OF THE FORT, ALLOWING THE STEPS TO REST ON THE DECK. FASTEN THE CL STEPS TO THE CENTER AND CORNER POSTS WITH 5" LAG SCREWS AND 3/8" WASHERS FROM THE INSIDE OF THE STEP RAILS.



STEP 27: CL SIDE PANEL AND POST PANEL

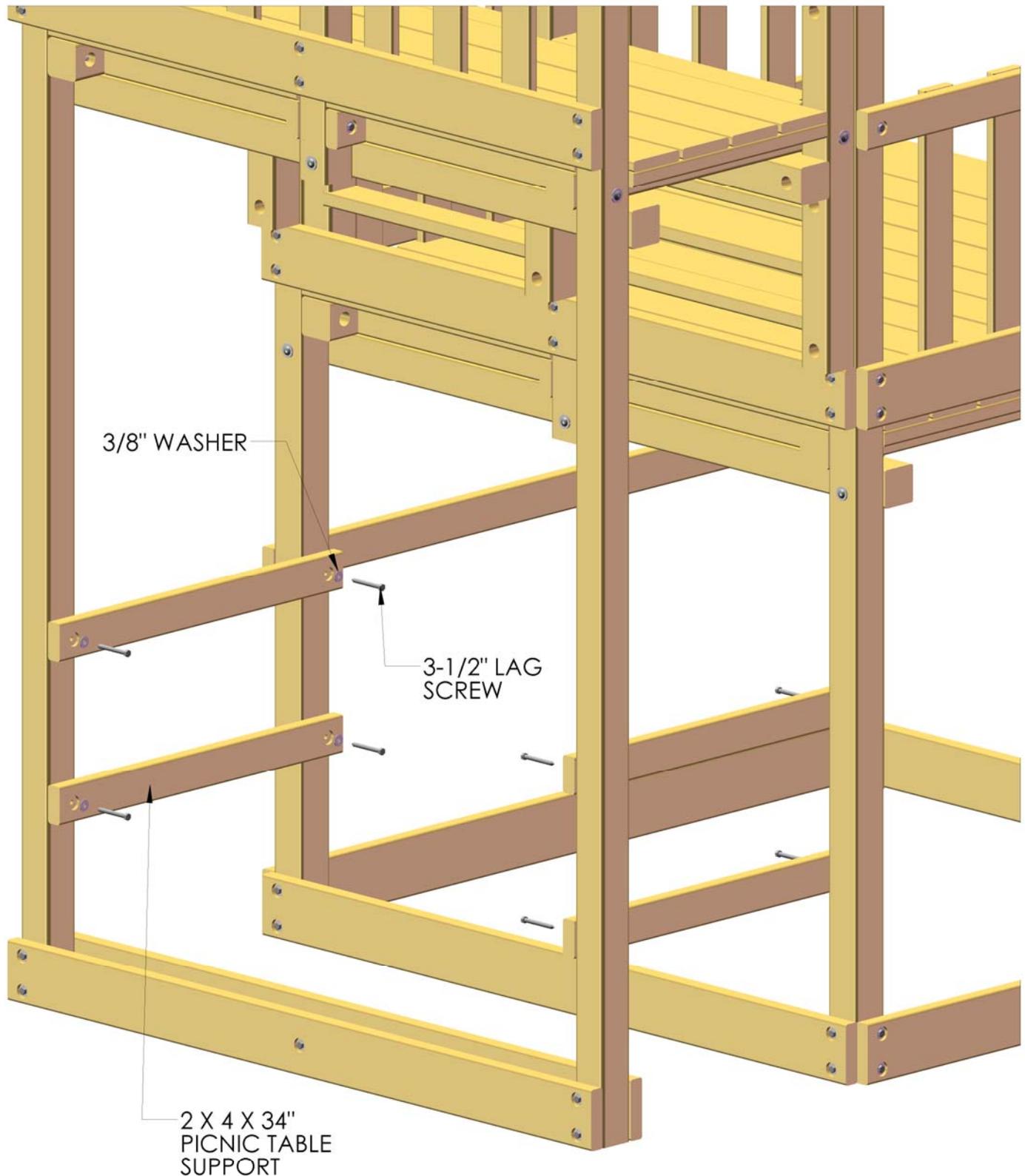
1: ON THE LEFT SIDE (FROM BACK) OF THE FORT, PLACE THE CL SIDE PANEL ON THE CL CORNER AND LAG POSTS, ALLOWING THE PANEL BOARDS TO REST ON THE DECK. FASTEN THE CL SIDE PANEL TO THE CL CORNER AND LAG POSTS WITH 3-1/2" LAG SCREWS AND 3/8" WASHERS

2: PLACE THE POST PANEL ON THE CL CORNER POSTS, ALLOWING THE PANEL BOARDS TO REST ON THE DECK. FASTEN THE POST PANEL TO THE CL CORNER POSTS WITH 3-1/2" LAG SCREWS AND 3/8" WASHERS



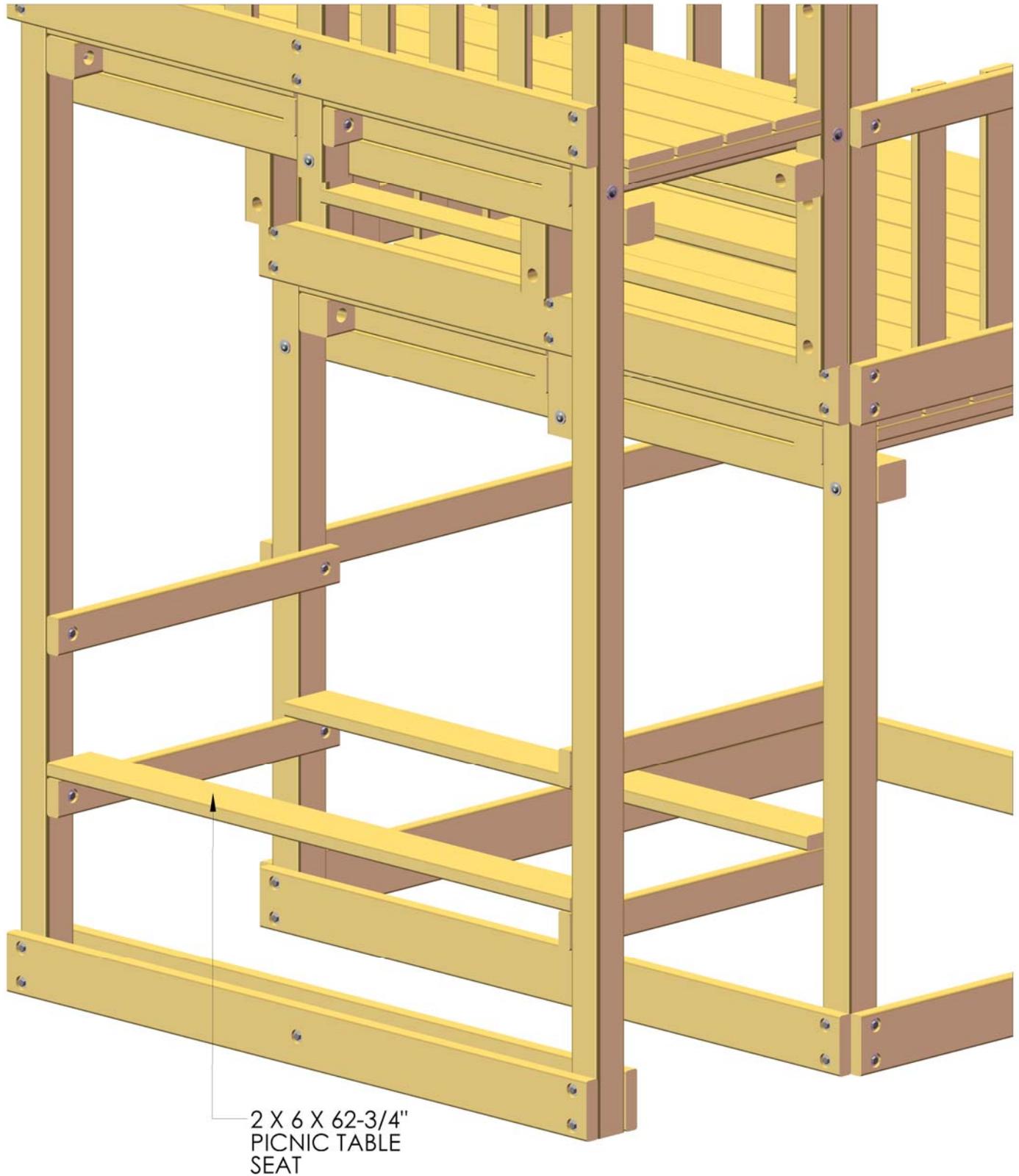
STEP 28: PICNIC TABLE SUPPORTS

PLACE THE 2 X 4 X 34" PICNIC TABLE SUPPORTS AT 16" AND 28" (MEASURED FROM GROUND TO BOTTOM OF BOARDS) AGAINST THE CL AND BACK CORNER POSTS. FASTEN THE PICNIC TABLE SUPPORTS TO THE POSTS WITH 3-1/2" LAG SCREWS AND 3/8" WASHERS



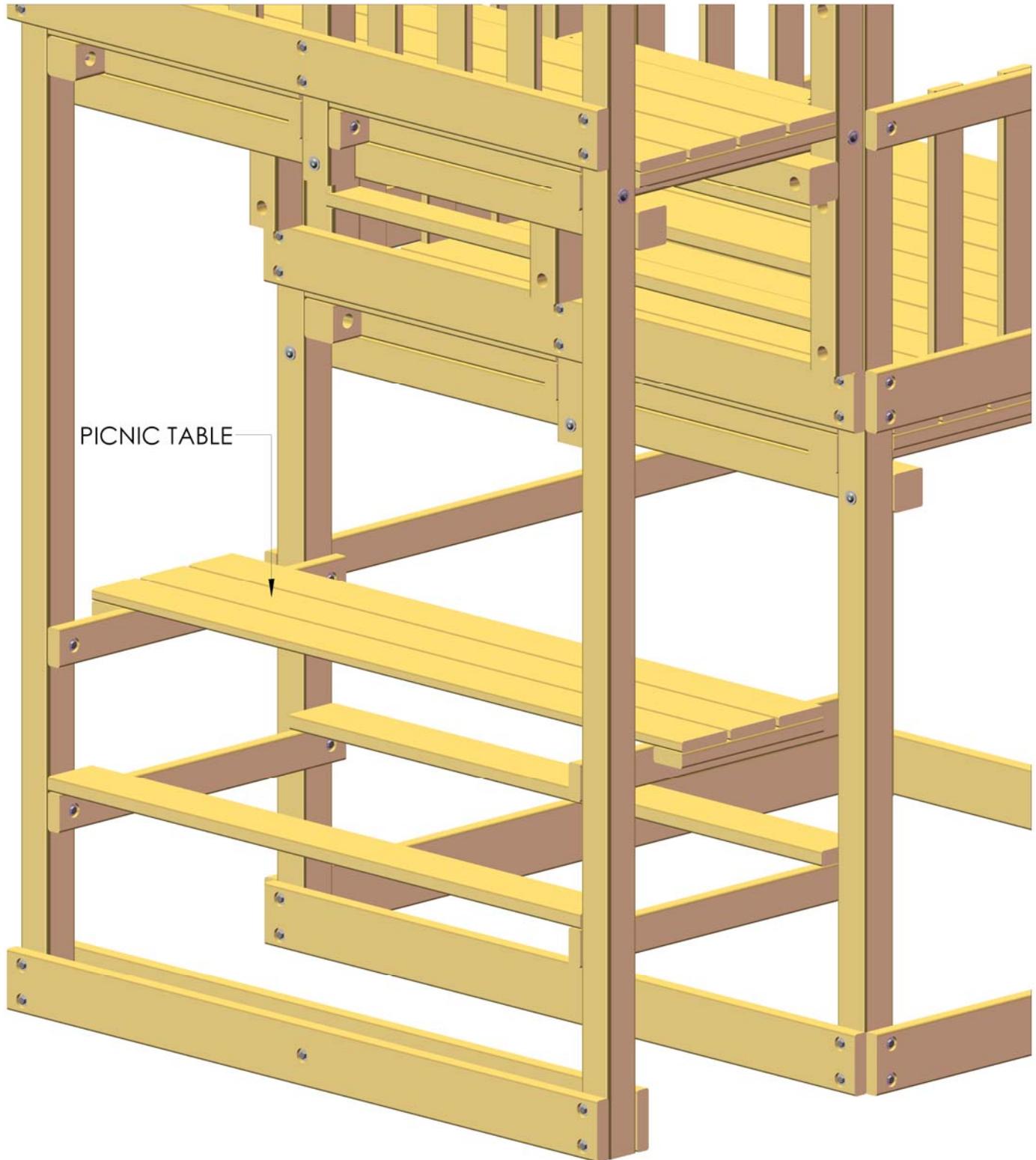
STEP 29: PICNIC TABLE SEATS

PLACE THE 2 X 6 X 62-3/4" PICNIC TABLE SEATS ACROSS THE BOTTOM PICNIC TABLE SUPPORTS, BETWEEN THE CL AND BACK CORNER POSTS. FASTEN THE PICNIC TABLE SEATS TO THE PICNIC TABLE SUPPORTS WITH 2-1/2" WOOD SCREWS.



STEP 30: PICNIC TABLE

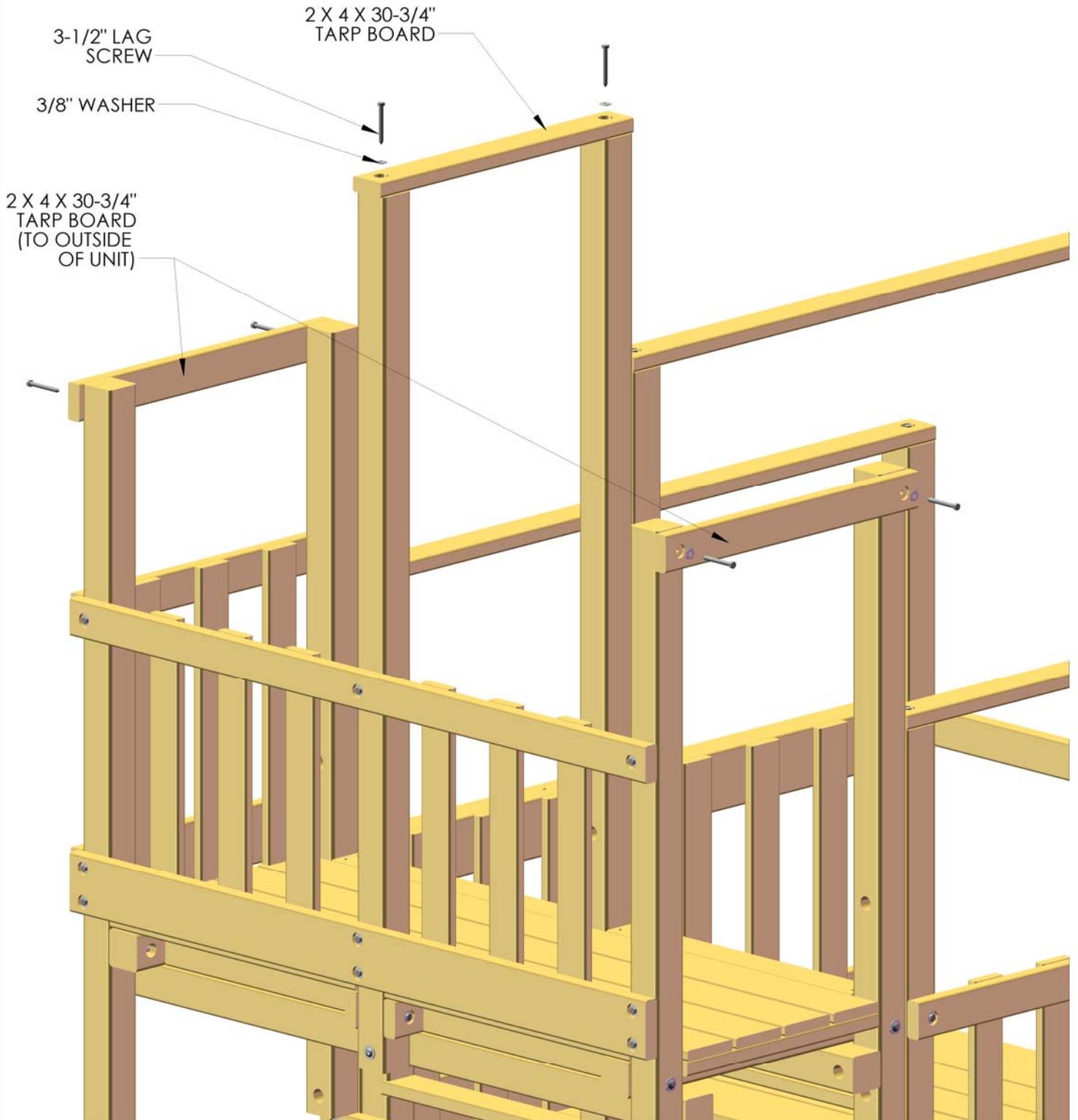
PLACE THE PICNIC TABLE ACROSS THE TOP PICNIC TABLE SUPPORTS, CENTERED BETWEEN THE CL AND BACK CORNER POSTS, ALLOWING THE PICNIC TABLE STREAMERS TO OVERLAP THE TOP PICNIC TABLE SUPPORTS. FASTEN THE PICNIC TABLE TO THE PICNIC TABLE SUPPORTS WITH 2-1/2" WOOD SCREWS.



STEP 31: CL TARP BOARDS

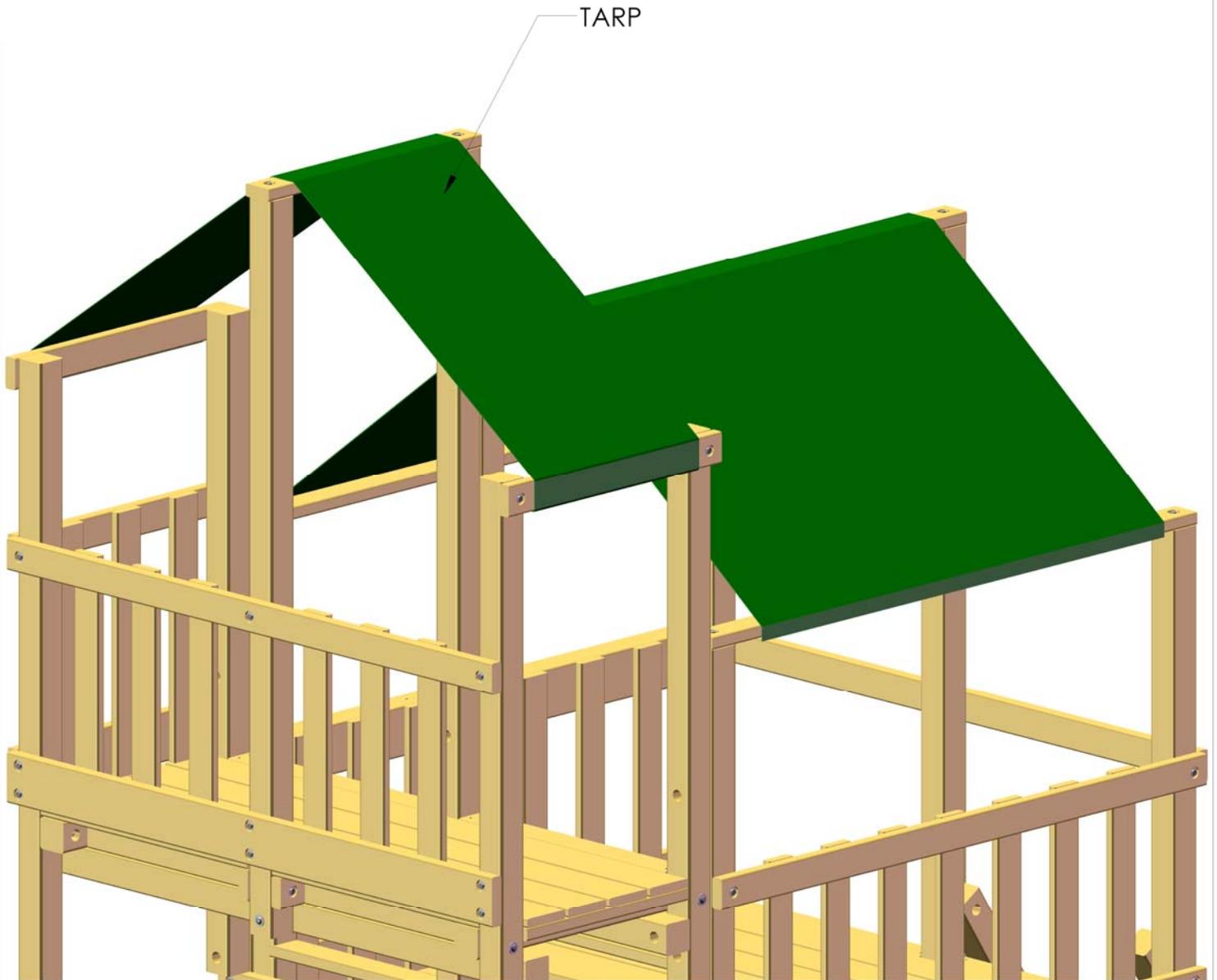
1: PLACE TWO OF THE 2 X 4 X 30-3/4" TARP BOARDS TO THE OUTSIDE OF THE UNIT AND FASTEN WITH 3-1/2" LAG SCREWS AND 3/8" WASHERS.

2: PLACE THE REMAINING 2 X 4 X 30-3/4" TARP BOARD ACROSS THE TOP OF THE CL CENTER POSTS AND ATTACH WITH 3-1/2" LAG SCREWS AND 3/8" WASHERS.



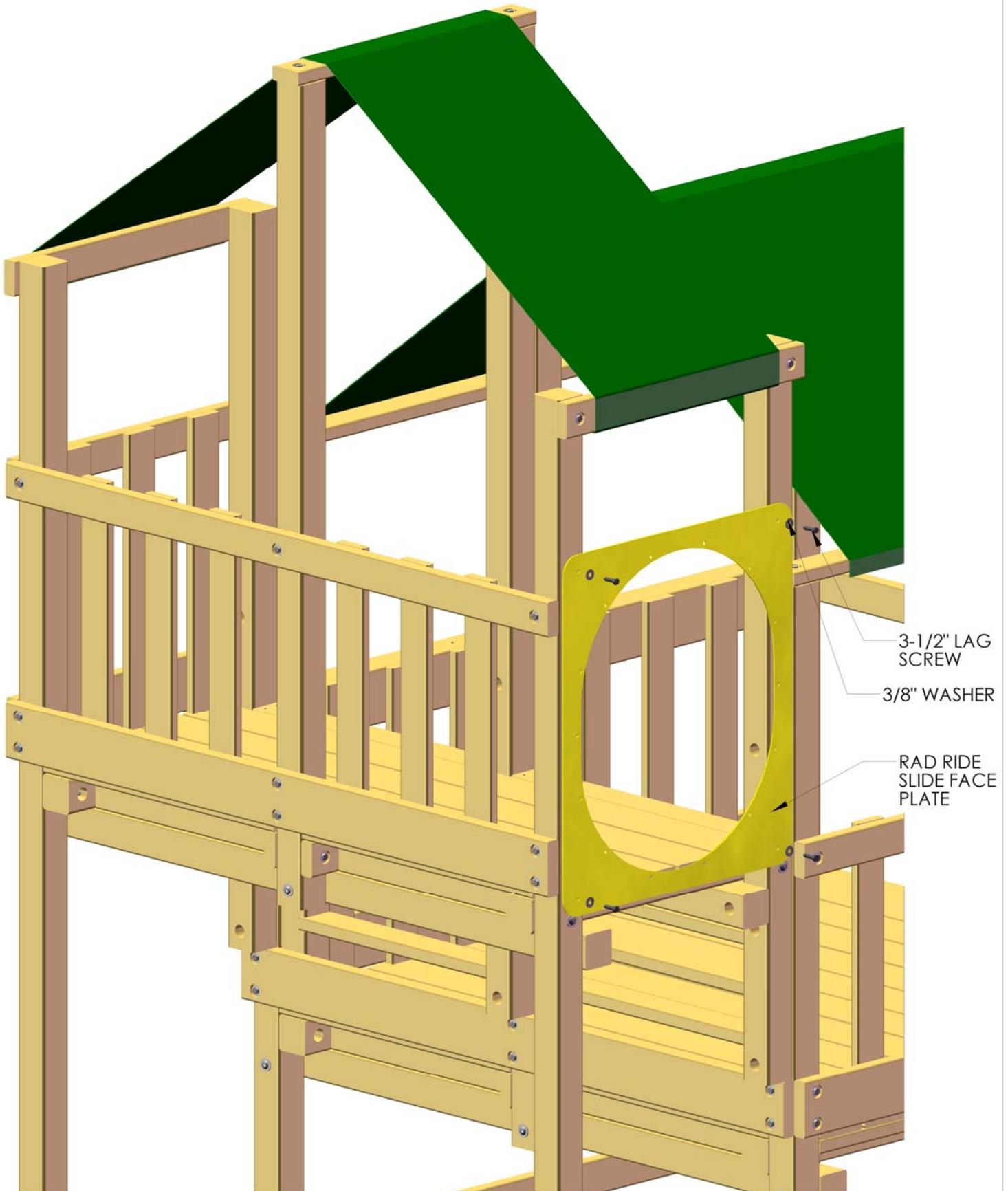
STEP 32: TARPS

- 1: PLACE THE TARP SNAPS ON THE BOTTOM OF THE FORT AND TREEHOUSE TARP BOARDS WITH WOOD SCREWS.
- 2: PLACE THE TARPS ACROSS THE FORT AND TREEHOUSE TARP BOARDS. ATTACH THE TARPS TO THE SNAPS ON THE BOTTOM OF THE BOARDS.



STEP 33: SLIDE FACE PLATE

1: PLACE THE SLIDE FACE PLATE ACROSS THE CL CORNER AND LAG POSTS. THE BOTTOM OF THE OPENING SHOULD BE FLUSH WITH THE DECK BOARDS. FASTEN THE SLIDE FACE PLATE TO THE CL CORNER AND LAG POSTS WITH 3-1/2" LAG SCREWS AND 3/8" WASHERS.

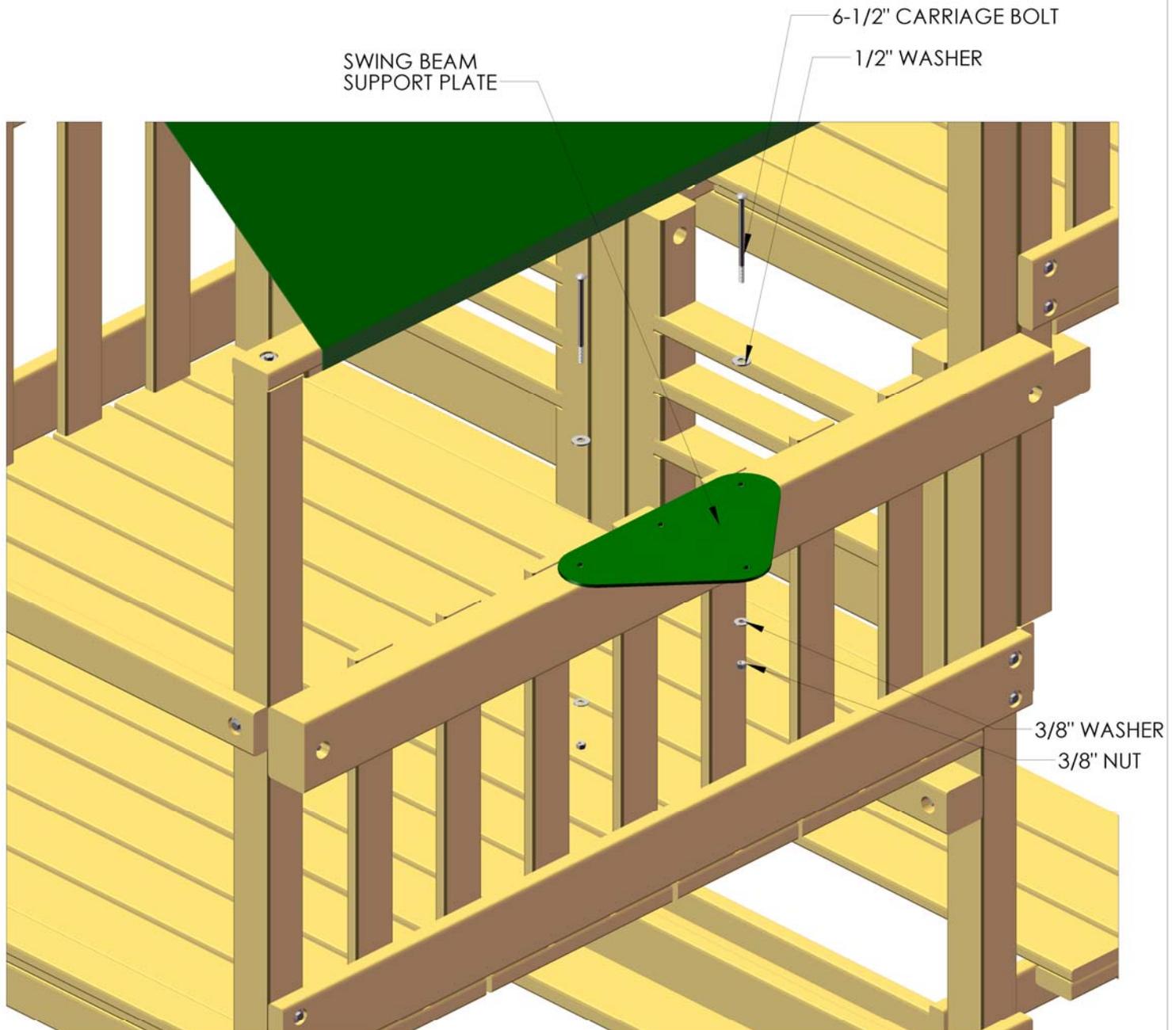


STEP 34: SWING BEAM SUPPORT PLATE

PLACE THE SWING BEAM SUPPORT PLATE ON TOP OF THE SWING BEAM SUPPORT, LINING UP PILOT HOLES. FASTEN THE SWING BEAM SUPPORT PLATE TO THE SWING BEAM SUPPORT USING 6-1/2" CARRIAGE BOLTS WITH 1/2" WASHERS AND 3/8" NUTS WITH 3/8" WASHERS. MIDDLE BOLT WILL BE ADDED LATER.

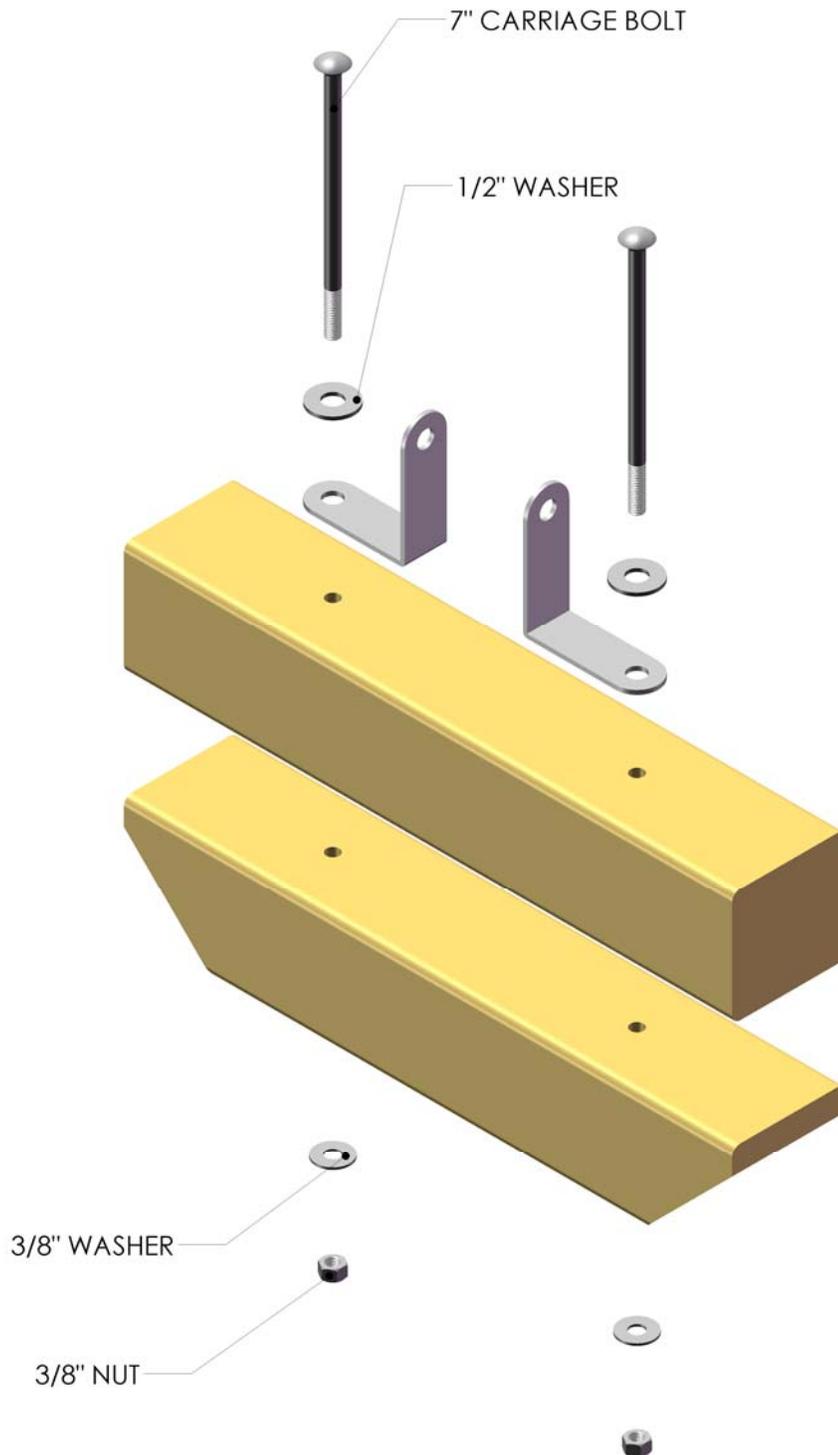
NOTE:

1/2" WASHER TO TOP OF SWING BEAM SUPPORT PLATE.
3/8" WASHER TO BOTTOM OF SWING BEAM SUPPORT BOARD.



STEP 35: SWING BEAM

BOLT SWING BEAM BLOCK SUPPORTS TOGETHER WITH 7" CARRIAGE BOLTS AND WASHERS THROUGH THE SWING BEAM BRACE. PLACE 1/2" WASHER ON TOP SIDE OF BLOCK AND 3/8" WASHER AND NUT ON BOTTOM SIDE OF BLOCK.



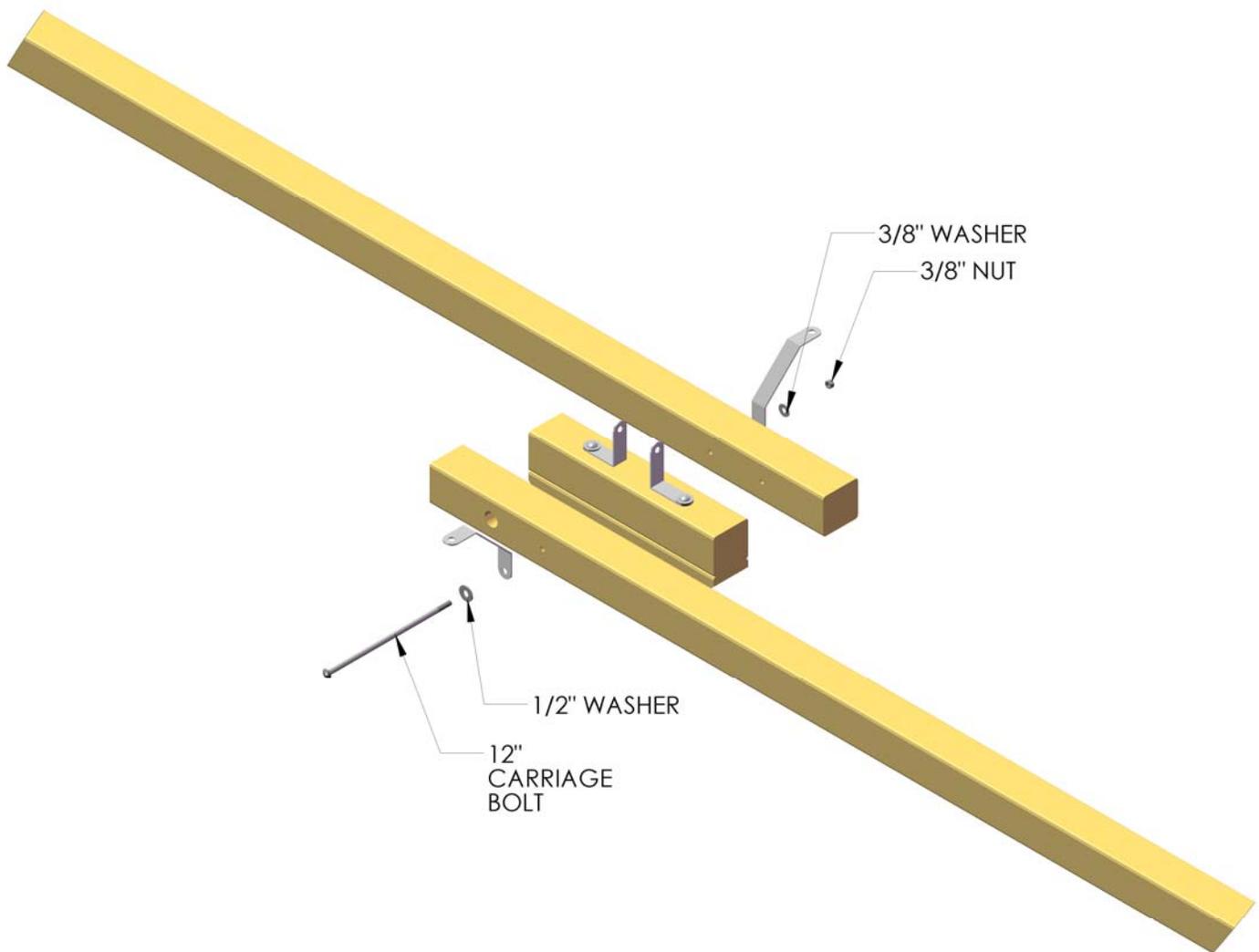
STEP 36: SWING BEAM

PLACE SWING BEAM BLOCK FLAT ON GROUND. PLACE SWING BEAM LEGS BESIDE THE BEAM BLOCK. HOLD IN PLACE AND SLIDE 12" CARRIAGE BOLT THROUGH 45 X 45 BRACE, 4 X 4 LEG, BEAM BLOCK, 4 X 4 LEG, AND 45 X 45 BRACE.

NOTE:

1/2" WASHER TO CARRIAGE BOLT

3/8" WASHER TO NUT



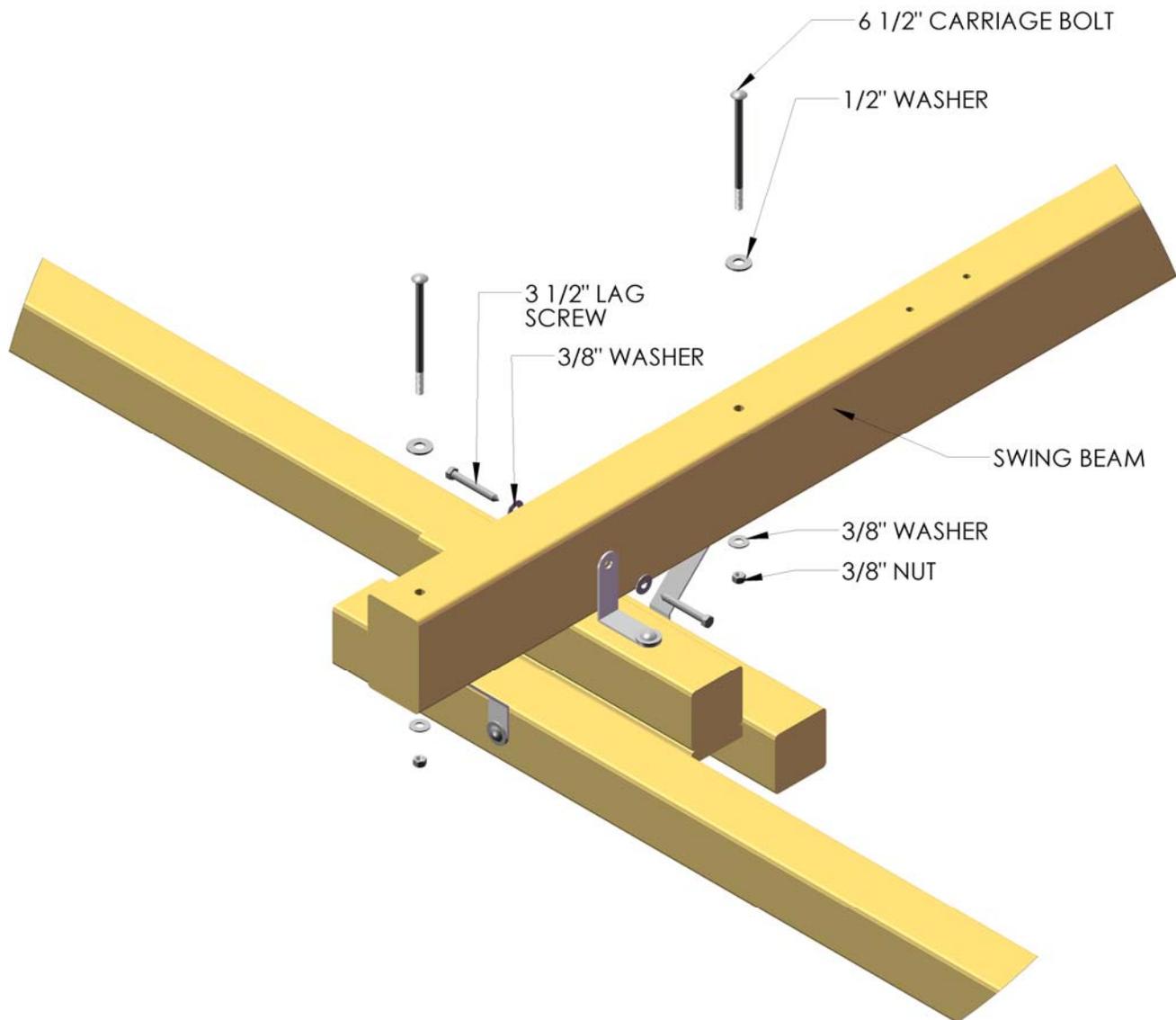
STEP 37: SWING BEAM

PLACE SWING BEAM BETWEEN SWING BEAM BRACES. FASTEN UNDERNEATH THROUGH 45 X 45 BRACES AND SWING BEAM WITH 6 1/2" CARRIAGE BOLTS WITH WASHERS. ALSO FASTEN SWING BEAM TO BEAM BRACE WITH 3" LAG SCREWS WITH WASHERS. ANGLE THE LAG SCREWS SLIGHTLY UP AND DOWN.

NOTE:

1/2" WASHERS TO THE TOP OF THE SWING BEAM

3/8" WASHERS TO THE BOTTOM OF THE SWING BEAM



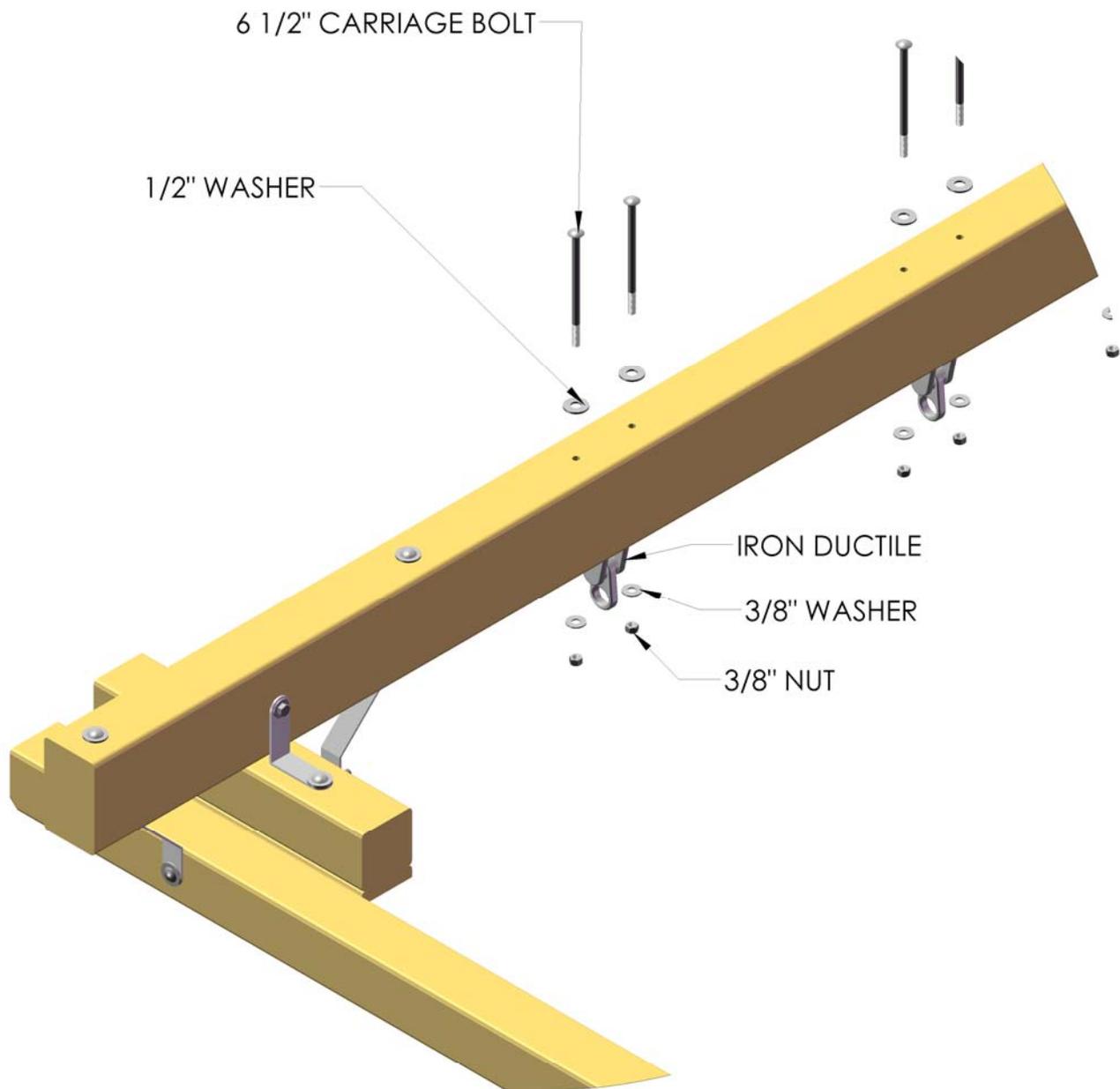
STEP 38: SWING BEAM

FASTEN IRON DUCTILES AT PILOT HOLES IN SWING BEAM USING 6 1/2" CARRIAGE BOLTS WITH 1/2" WASHERS, AND 3/8" NUTS WITH 3/8" WASHERS.

NOTE:

1/2" WASHER TO TOP OF SWING BEAM

3/8" WASHER TO IRON DUCTILE



STEP 39: SWING BEAM TO FORT

1: PICK UP SWING BEAM AND LEG ASSEMBLY. AS YOU LIFT THE BEAM, THE LEGS WILL SCISSOR CLOSER TOGETHER.

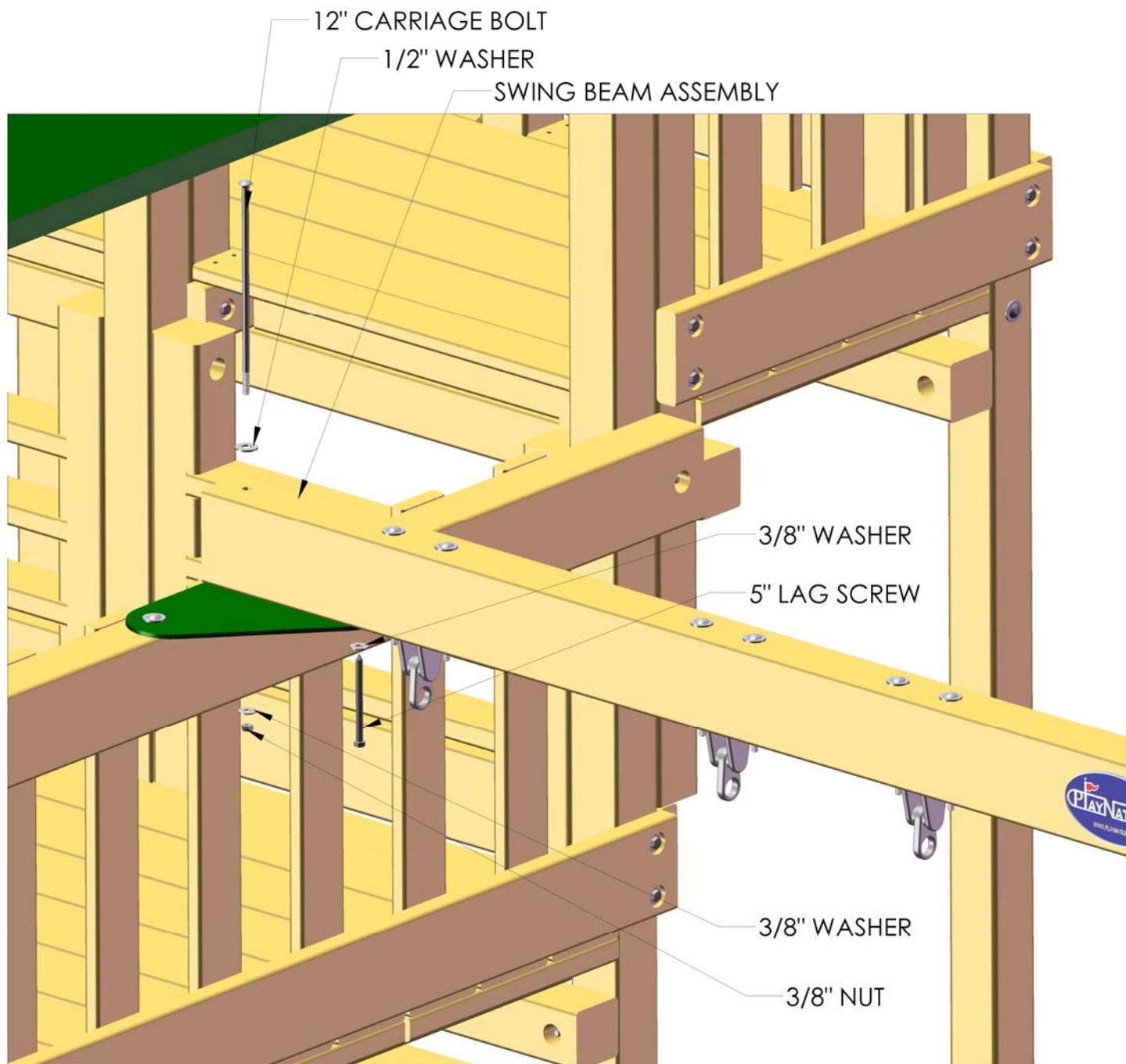
2: PLACE THE END OF THE BEAM ON TOP OF THE SWING BEAM SUPPORT PLATE AND FASTEN USING 12" CARRIAGE BOLT WITH 1/2" WASHER FROM THE TOP OF THE BEAM THROUGH THE MIDDLE HOLE, AND 3/8" NUT AND 3/8" WASHER FROM THE BOTTOM.

3: FASTEN 5" LAG SCREW WITH 3/8" WASHER TO JOIN SWING BEAM SUPPORT PLATE AND SWING BEAM FROM UNDERNEATH.

NOTE:

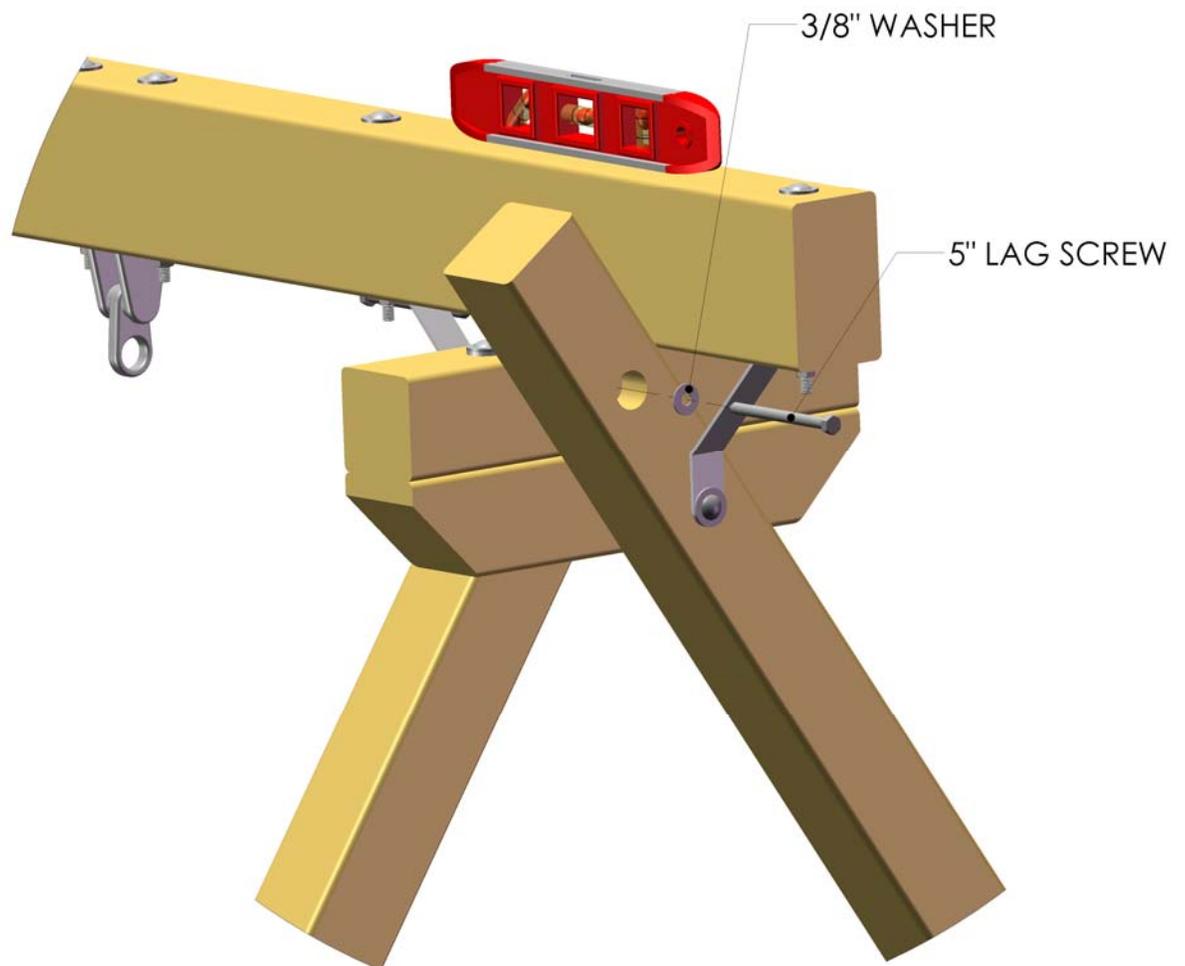
1/2" WASHER TO THE TOP OF THE SWING BEAM.

3/8" WASHER TO THE BOTTOM OF THE SWING BEAM SUPPORT BOARD.



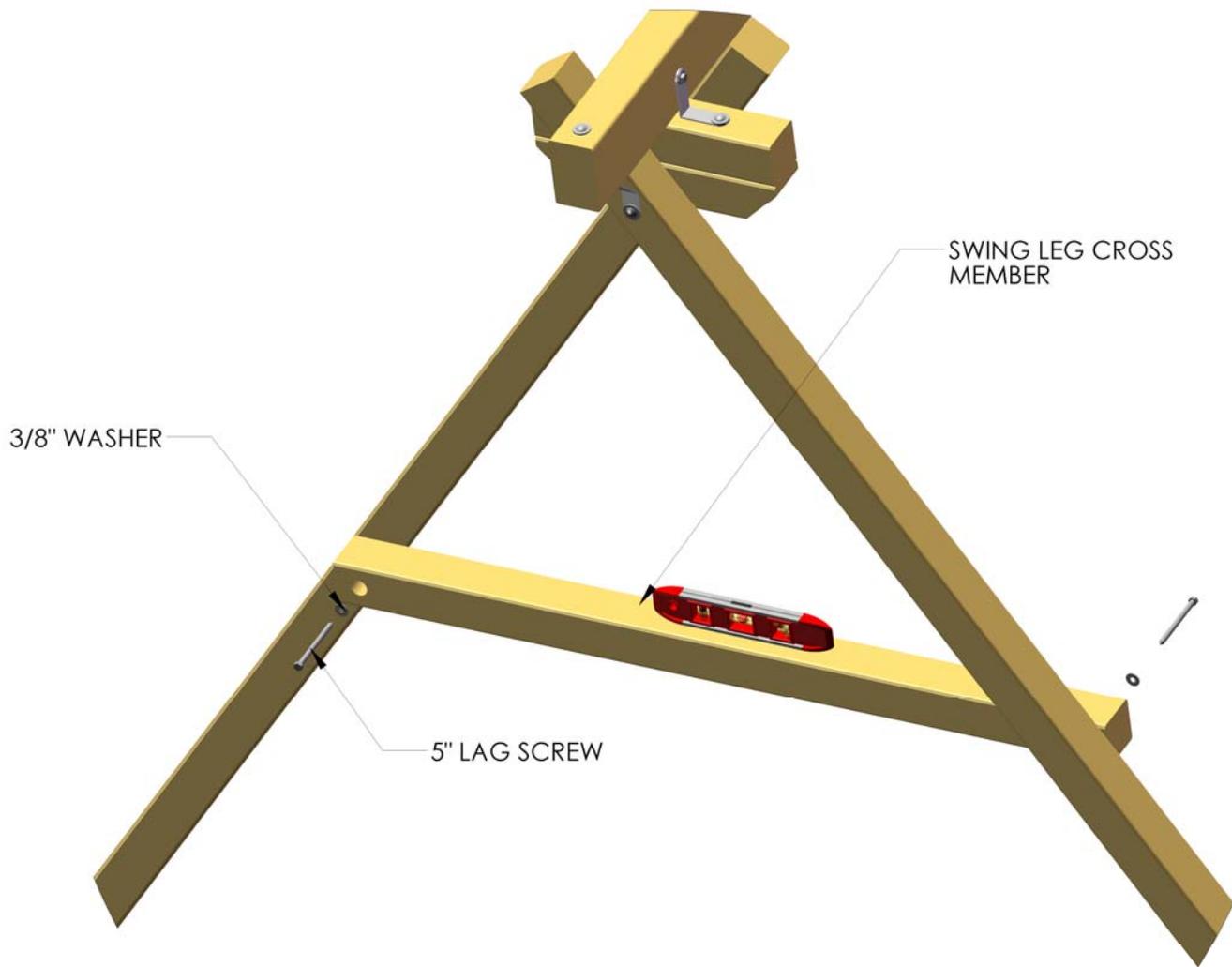
STEP 40: SWING BEAM LEGS

- 1: USE THE SWING BEAM LEGS TO LEVEL THE SWING BEAM TO THE FORT.
- 2: COMPLETE FASTENING OF SWING BEAM LEGS WITH 5" LAG SCREWS AND 3/8" WASHERS



STEP 41: SWING BEAM CROSS MEMBER

PLACE THE SWING BEAM CROSS MEMBER ON THE SWING BEAM LEGS AND LEVEL. FASTEN 4 X 4 CROSS MEMBER TO 4 X 4 LEG WITH 5" LAG SCREWS AND 3/8" WASHERS.



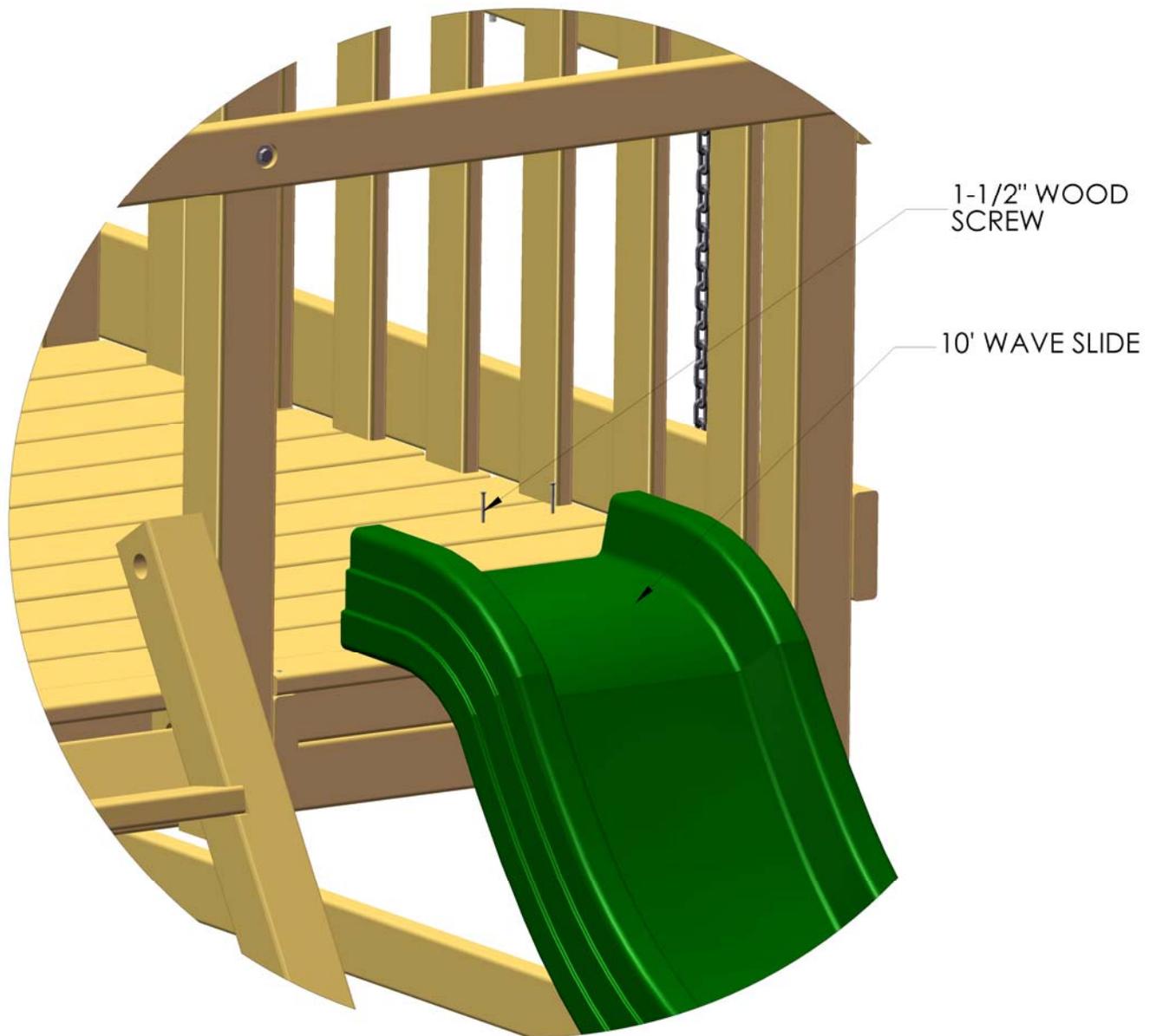
STEP 42: SWINGS

HANG THE SWINGS FROM THE IRON DUCTILES USING THE SPRING CLIPS. HANG THE TIRE SWING FROM THE TIRE SWIVEL USING THE SPRING CLIP. ADJUST CHAINS FOR HEIGHT IF NECESSARY.



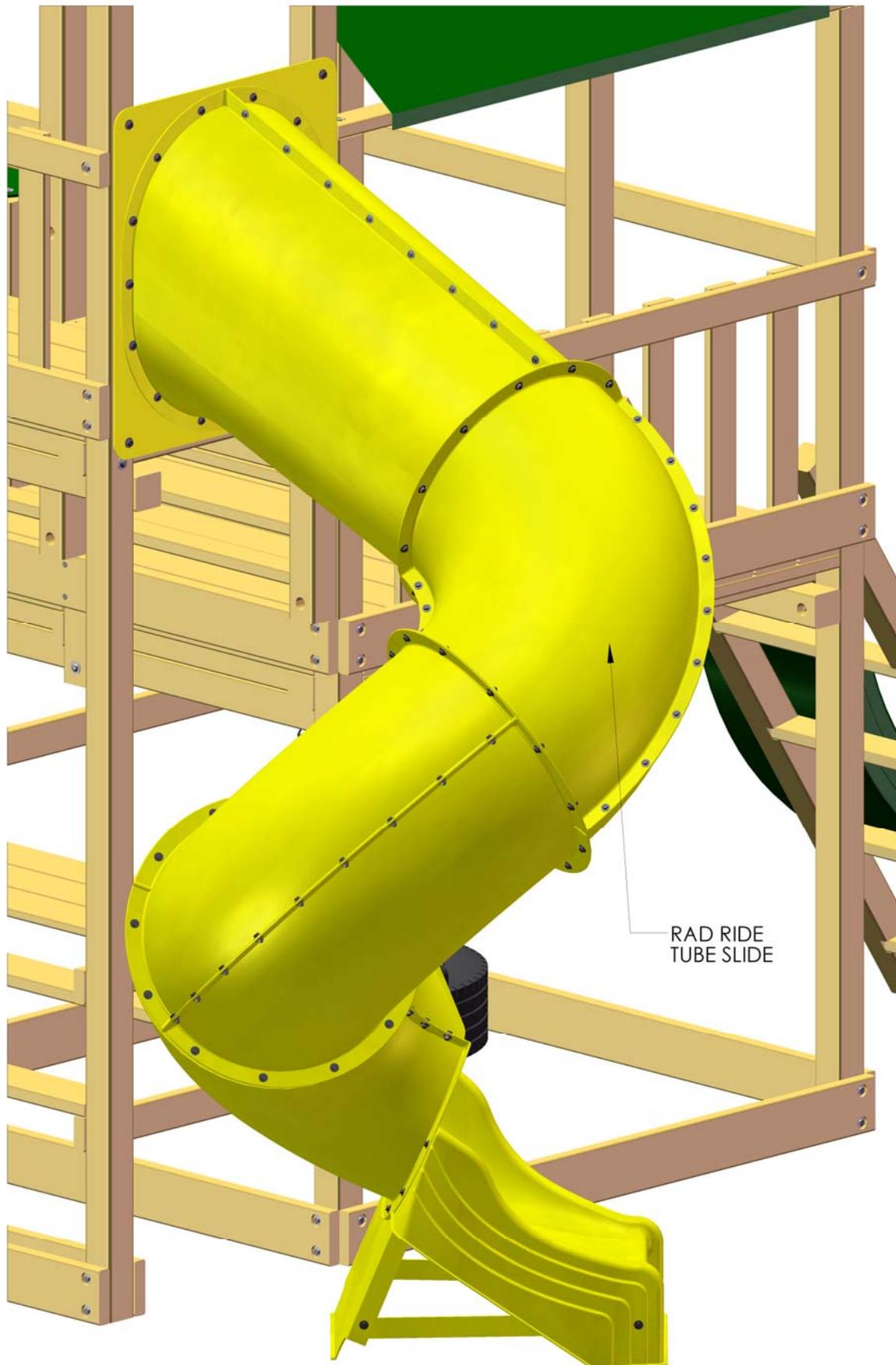
STEP 43: SLIDE

CENTER THE 10' WAVE SLIDE IN THE OPENING BESIDE THE LADDER AND SECURE TO THE DECK WITH 1-1/2" WOOD SCREWS



STEP 44: RAD RIDE

ASSEMBLE THE RAD RIDE TUBE SLIDE, FOLLOWING THE INSTRUCTIONS ACCOMPANIED WITH THE SLIDE.

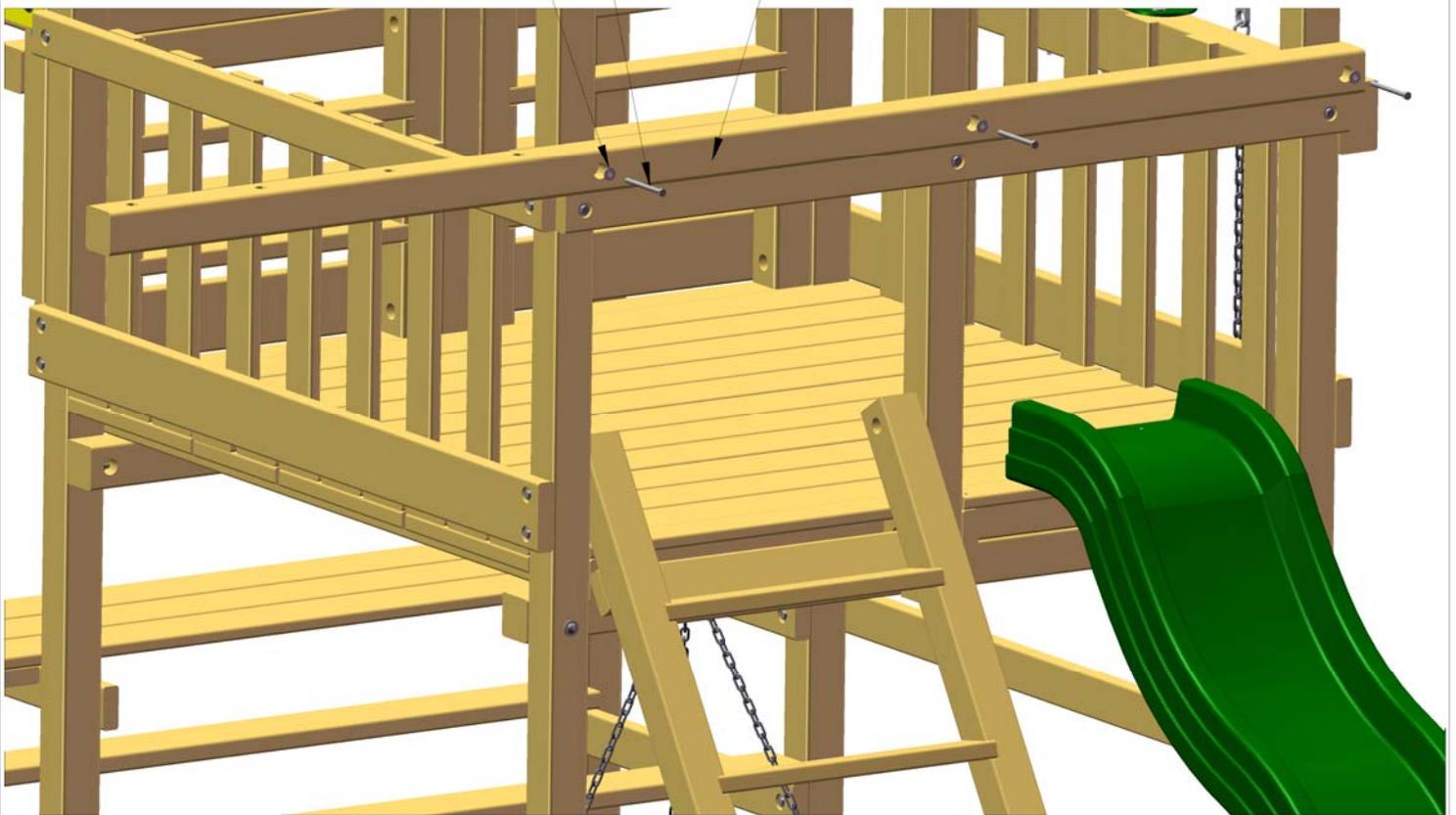


RAD RIDE
TUBE SLIDE

STEP 45: ROPE LADDER SUPPORT BOARD

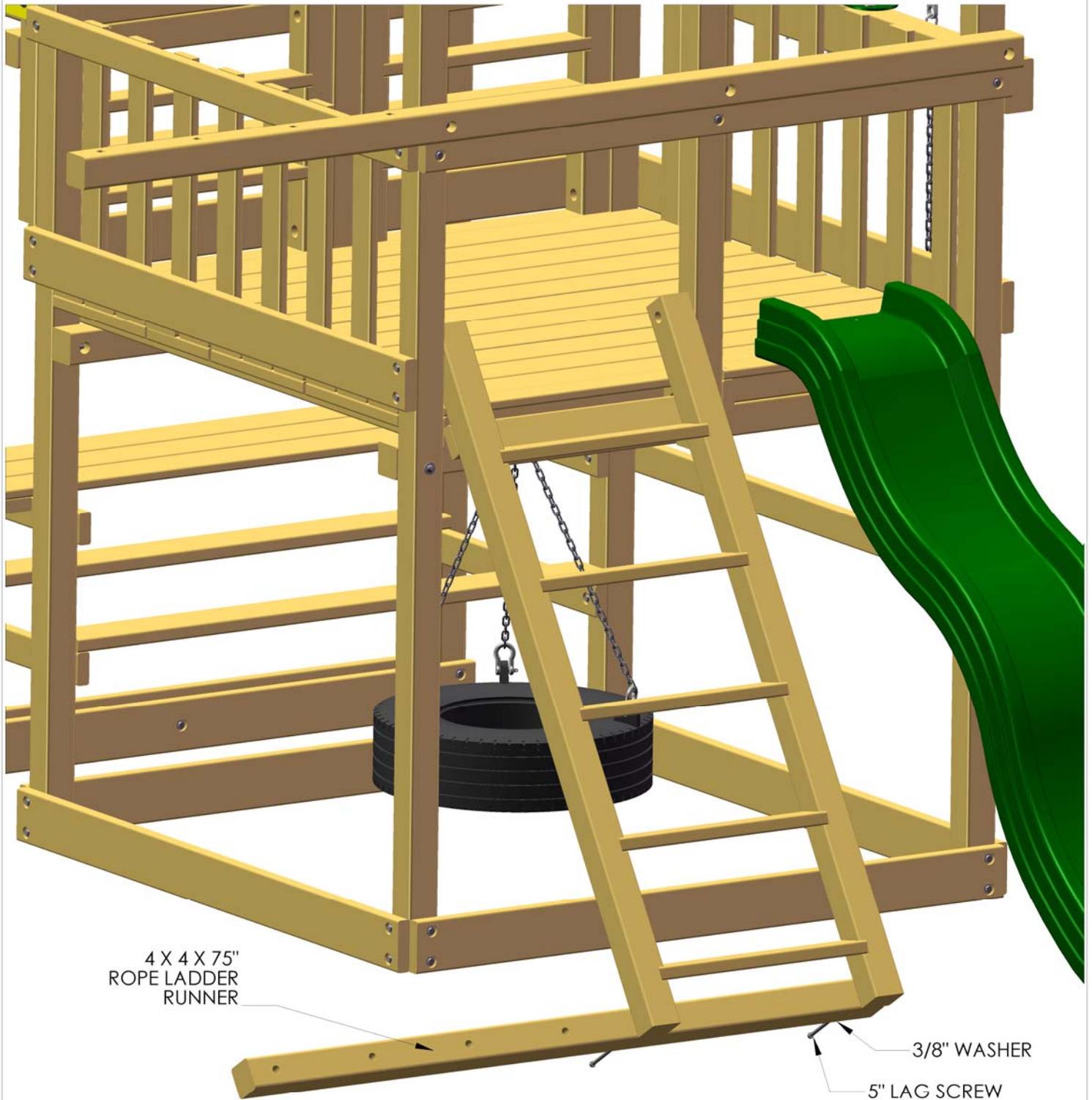
PLACE THE 4 X 4 X 112" ROPE LADDER SUPPORT BOARD ON TOP OF THE TOP PANEL BOARD, LINING THE HOLES ON THE ROPE LADDER SUPPORT BOARD TO THE CENTER OF THE CORNER AND CENTER POSTS OF THE FORT. ATTACH THE ROPE LADDER SUPPORT BOARD TO THE CENTER AND CORNER POSTS USING 5" LAG SCREWS AND 3/8" WASHERS

5" LAG SCREW
3/8" WASHER
4 X 4 X 112"
ROPE LADDER
SUPPORT BOARD



STEP 46: ROPE LADDER RUNNER

PLACE THE 4 X 4 X 75" ROPE LADDER RUNNER AGAINST THE BACK SIDE OF THE LADDER RAILS, LINING THE HOLES ON THE ROPE LADDER RUNNER TO THE CENTER OF THE LADDER RAILS. ATTACH THE ROPE LADDER RUNNER TO THE LADDER RAILS USING 5" LAG SCREWS AND 3/8" WASHERS



STEP 47: ROPE LADDER

ATTACH THE ROPE LADDER. THREAD THE ROPE THROUGH THE HOLES IN THE ROPE LADDER SUPPORT FROM THE BOTTOM TO THE TOP, AND FORM A SECURE KNOT AT THE TOP OF THE ROPE LADDER SUPPORT. THREAD THE ROPE THROUGH THE FRONT SIDE OF THE ROPE LADDER RUNNER TO THE BACK AND TIE A SECURE KNOT AT THE BACK OF THE ROPE LADDER RUNNER.

