



Royal Palace Space Saver

(BOXES: 1 pallet & Slide Box)

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52-0002-T

190 Etowah Industrial Court
Canton, GA 30114
www.playnation.com



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>

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.

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. PlayNation Play Systems, Inc. • 190 Etowah Industrial Ct. • Canton, GA 30114 • 770-704-9300 Monday to Friday 9AM-5PM EST. Any warranty claim must include proof of purchase, including the date of purchase. **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.
- TANDEM 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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PRODUCT REGISTRATION

- ROYAL PALACE SPACE SAVER -

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 Product Registration on file.

3 EASY WAYS TO REGISTER	
OPTION 1	Complete the online registration form at: http://www.playnation.com/register
OPTION 2	Fax this completed form to: (678) 880-3300
OPTION 3	Mail this completed form to: PlayNation Playsets 190 Etowah Industrial Court Canton, GA 30114

Where did you buy this product?

Date of Purchase _____ Store _____ Store City _____ Store State _____

Your registration information:

Name: _____ Email: _____

Address: _____

Street	City	State	Zip
Please select your age			
<input type="checkbox"/> 18-30			
<input type="checkbox"/> 31-40			
<input type="checkbox"/> 41-50			
<input type="checkbox"/> 51+			
How old are your children?			
<input type="checkbox"/> 2-3			
<input type="checkbox"/> 4-5			
<input type="checkbox"/> 6-7			
<input type="checkbox"/> 8+			
Number of children			
<input type="text"/>			

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

May we add you to our mailing list? Yes No

May we use your comments on websites or other marketing materials? Yes No

Comments: _____

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IMPORTANT – PLEASE READ

Congratulations! You have just purchase one of the finest residential wooden swing sets available today. As with any wooden product that spends its entire life outside, in varying elements, it is important to know what to expect with your new swing set so that your family can enjoy it for many years.

As your swing set acclimates to its new environment, natural characteristics of the wood can show in the form of checks, or “cracks” in the lumber. In almost all cases this is normal and it will not affect the structural integrity of your play set and is not covered under warranty.

KEEPING YOUR PLAYSET LIKE NEW

MUST DO's

The following owner responsibilities are crucial to the safety, integrity and aesthetic appeal of your swing set and may affect the warranty if not adhered to.

WITHIN 60 DAYS

- Check and tighten Hex Bolts/T-nuts, Carriage Bolts/Lock-nuts, and Lag Screws within the first 60 days and then twice annually – once before each season and then once during the season.

WITHIN 90 DAYS

- Apply a **sealant** or **semi-transparent stain with sealant** within the first 90 days of owning the swing set. If applicable state laws allow, an oil based product will penetrate and protect the lumber better than a water based product. Because climate conditions can vary drastically from region to region, we suggest asking the product covering specialists at any number of specialty paint stores or home improvement centers for a product that would work best for your local environment. ** TIP – while the set is new, take a small board from your swing set to the store with you so they can color match the tint of the stain or sealant. Be sure to replace the board when you get home.

SEASONAL REMINDERS

- If your area experiences regular snowfall, remove your fabric tarp/canopy to avoid stretching, sagging or tearing of the material. Store it inside, folded up, and it will be as good as new when winter is over.
- If your area experiences extremely cold temperatures, remove swing belts and other pliable features to prolong the lifespan of these play activities.

OTHER TIPS

- Spray swing hangers with Pam, Mazola or olive oil to stop squeaking; do not use petroleum based products such as WD-40 or motor oil.
- To repel yellow jackets and wasps, use a cotton ball and dab interior wooden corners underneath the play set deck with a liquid dish soap. Avoid using insecticides.
- To speed up the slide wipe the center of slide with wax paper every 2 - 3 weeks.

For additional safety and maintenance guidelines, please visit our website.



IMPORTANT DOCUMENTS

CUSTOMER MUST READ AND RETAIN

Please go to the following links and read important SAFETY information prior to using your new play structure.

<http://www.playnation.com/safety-and-maintenance.html>

<http://www.playnation.com/manuals.html> (Click on your specific model)

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

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

WARNING:

Children must NOT use this play set until it has been completely assembled and inspected by an adult to ensure it has been properly installed.

PlayNation Play Systems, Inc.
190 Etowah Industrial Court
Canton, GA. 30114



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REV: 3.23.2017

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**PLEASE READ OWNER'S MANUAL CAREFULLY
BEFORE STARTING ASSEMBLY!**

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.
- 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.

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.
- Swing chains, rings, ropes, etcetera should always be fastened to a rotating swing hanger. NEVER attach a chain, ring, rope, etcetera to a stationary hanger such as but not limited to an eye bolt. Severe wear could occur leading to an injury.
- 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/PageFiles/122149/325.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.

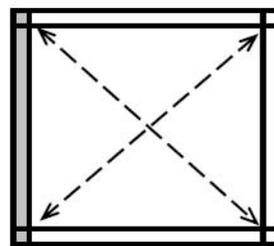
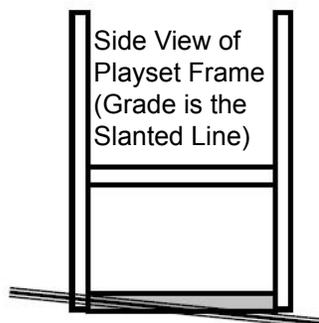
Swings should have a fall zone extending a minimum of 6' from the outer edge of the support structure on each side. The fall zone in front and back of the swing should extend out a minimum distance of twice the height of the swing as measured from the ground to the top of the swing support structure.

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

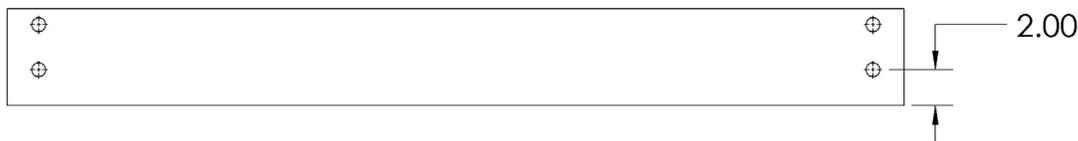
General Info to Review Before Installation

- 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.

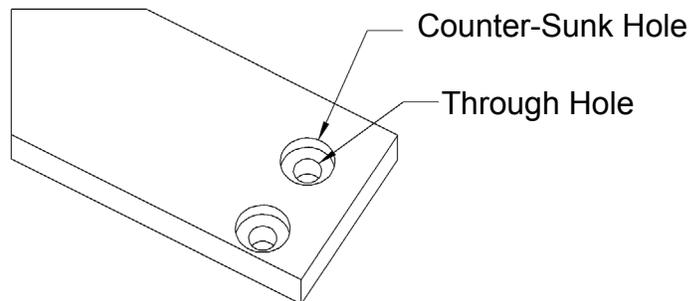
EXAMPLE OF OFFSET HOLES UP



EXAMPLE OF OFFSET HOLES DOWN



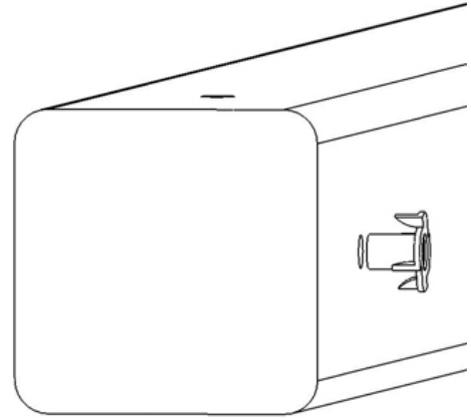
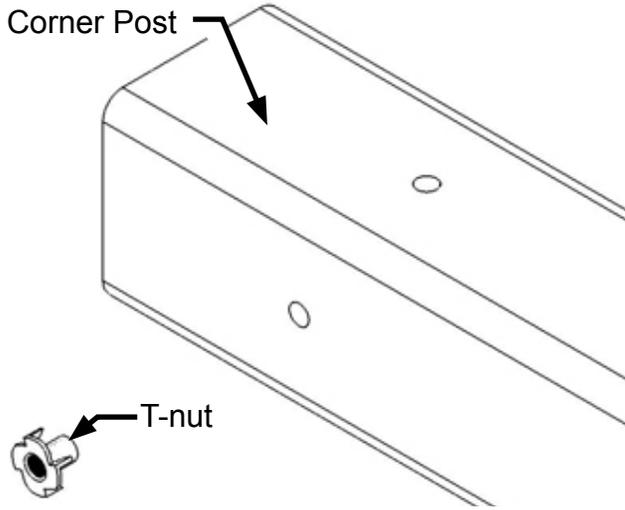
Counter-sunk holes - Many of the parts that will be used have counter-sunk holes. A counter-sunk hole is one that surrounds one side of a through hole, but does not extend through the wood it's self. When using a counter-sunk hole the bolt will be inserted through the through hole and either the head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



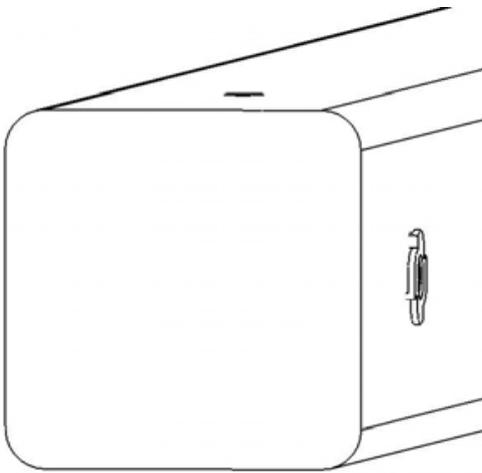
Lag Screws- Lag screws are used in the construction of our play sets to enhance the structural integrity of the unit. There will not be predrilled holes in the post for lag screw installation. Lag screws are self-tapping, though if you are using a manual socket wrench it may be advantageous to pre-drill 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

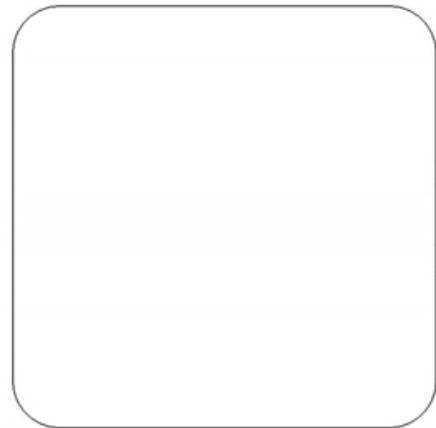
When installing T-nuts into the wood, use a smooth faced hammer to set the face of the T-nut flush into the wood.



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.

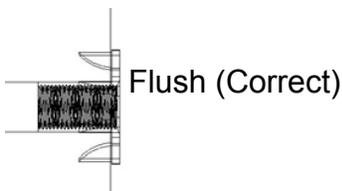


This picture shows the T-nut inserted and installed flush to the wood.



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



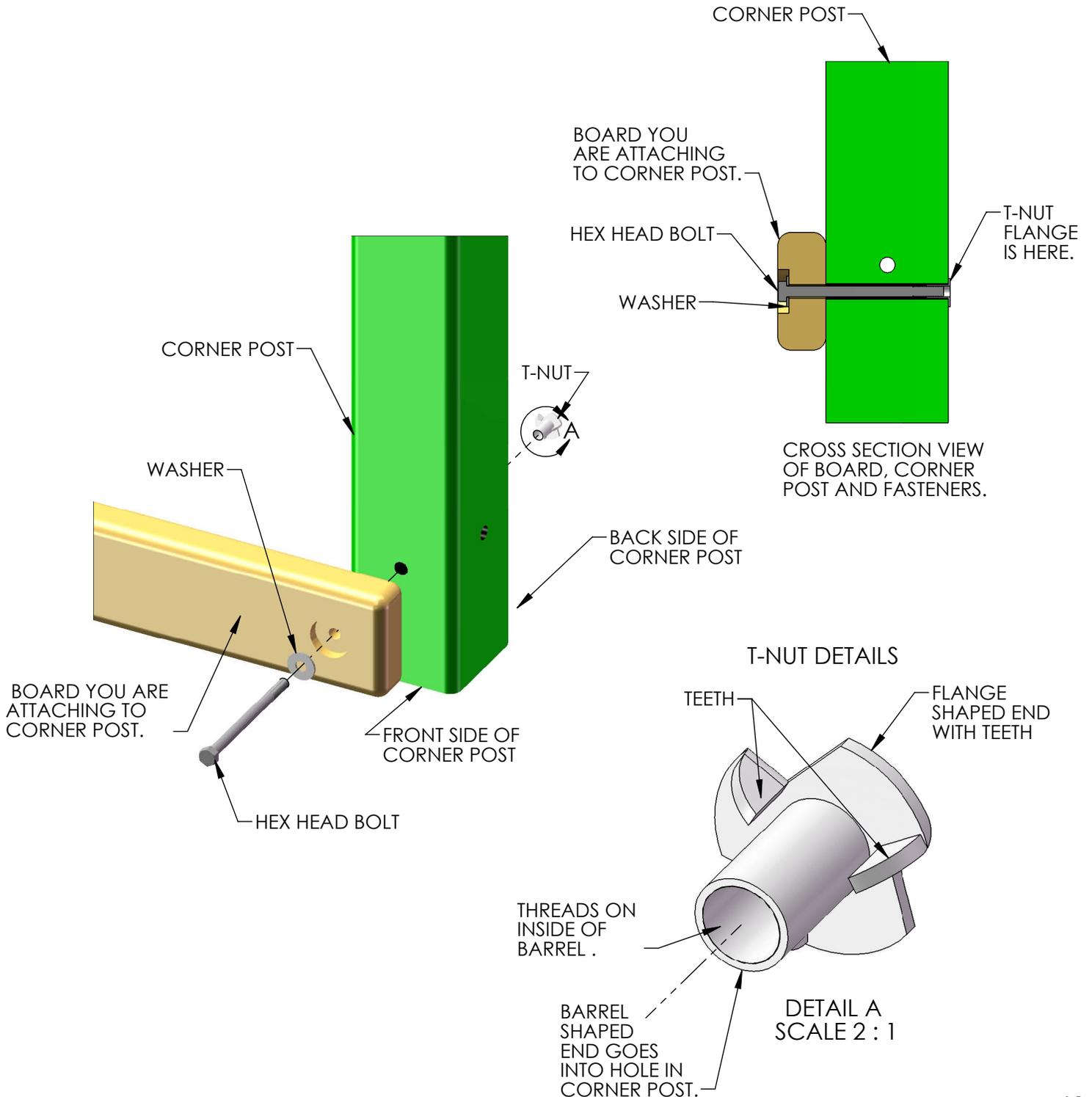
Cross Section end view, you are looking at an X-ray view of the post and T-nut. The barrel of the T-nut is in the corner post the line is the face of the wood.

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.

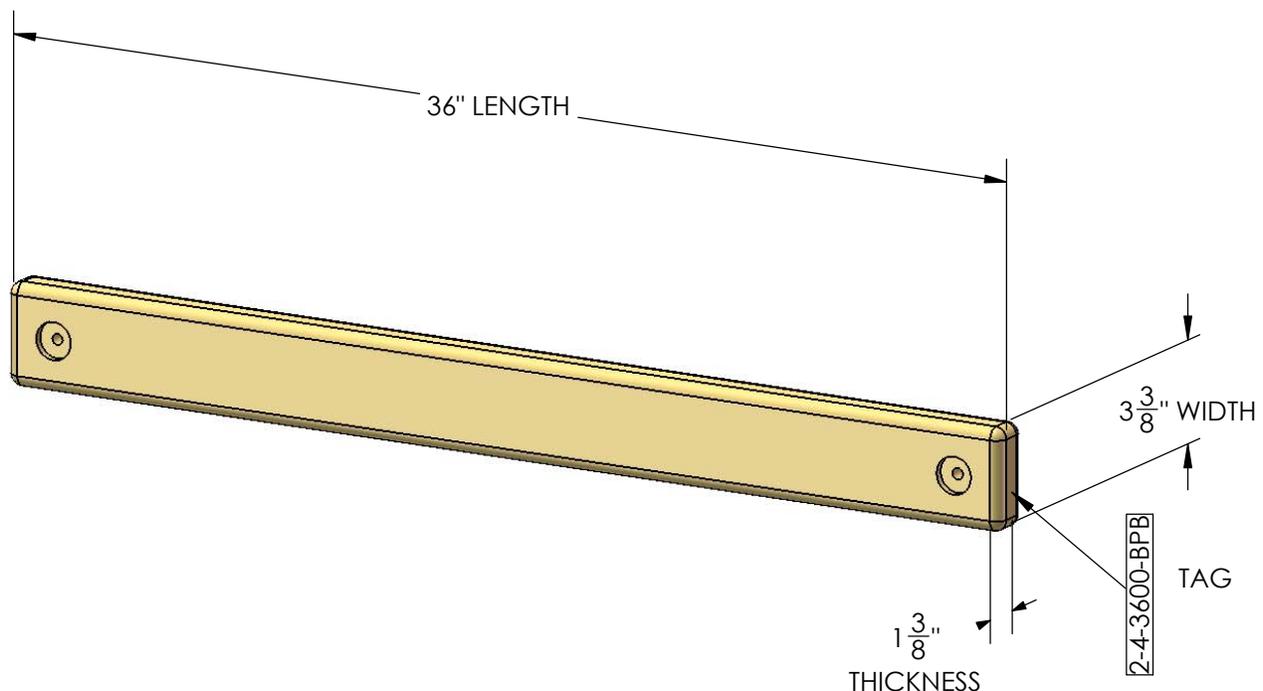


BOARD IDENTIFICATION

1. On the end of each board there should be a small white tag that is stapled or stuck into place. Remove the staples and/or tag after the board is installed.
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.**

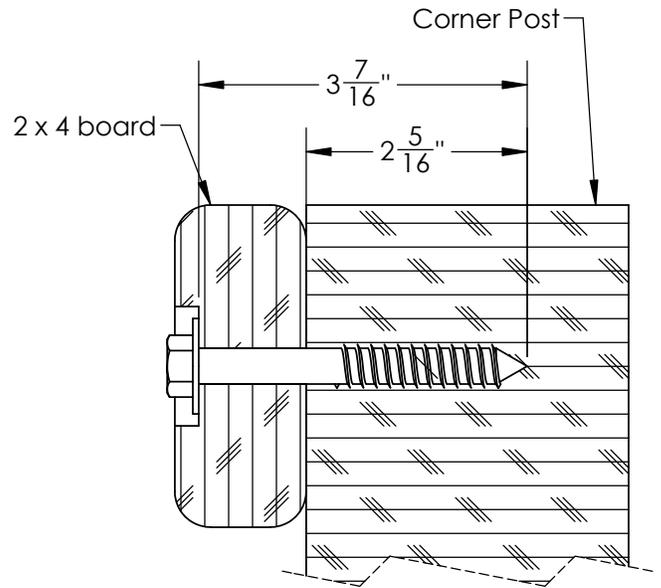
LAG SCREW DIAMETER	DRILL BIT SIZE
5/16" DIAMETER	9/64"
3/8" DIAMETER	11/64"

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.

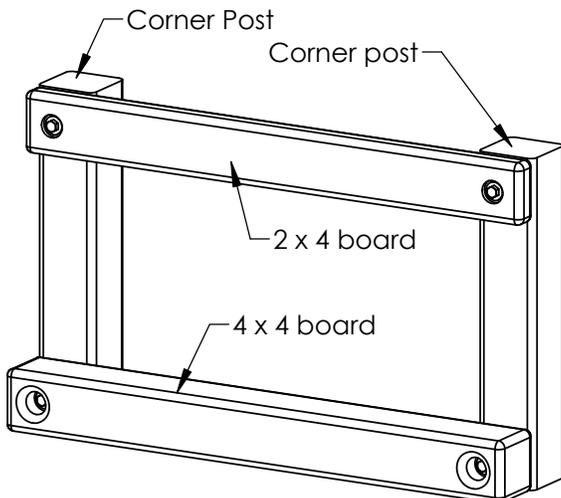
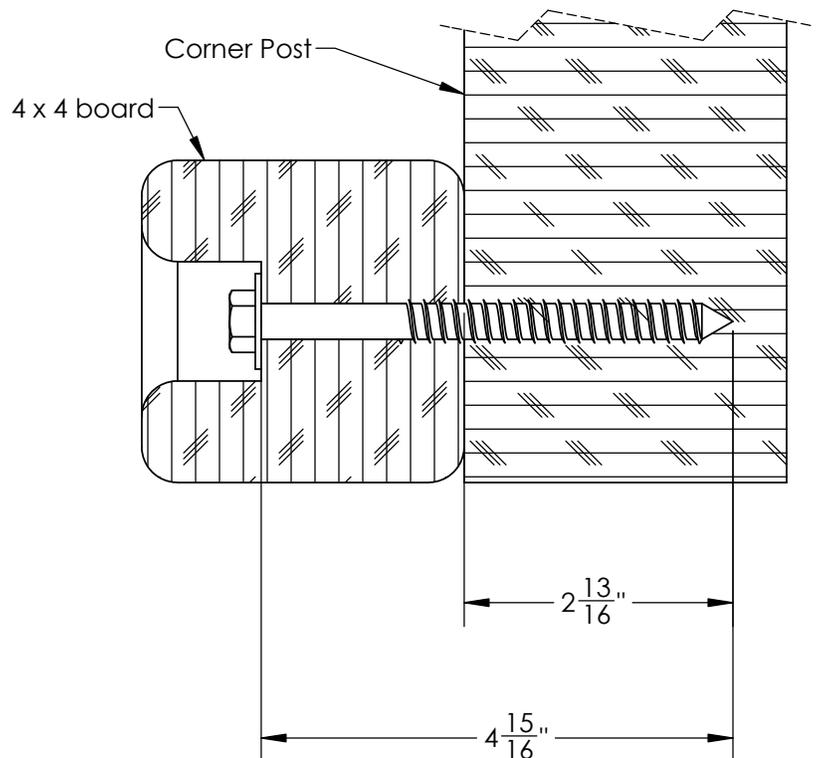
Example 5/16" diameter x 3-1/2" lag screw

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:

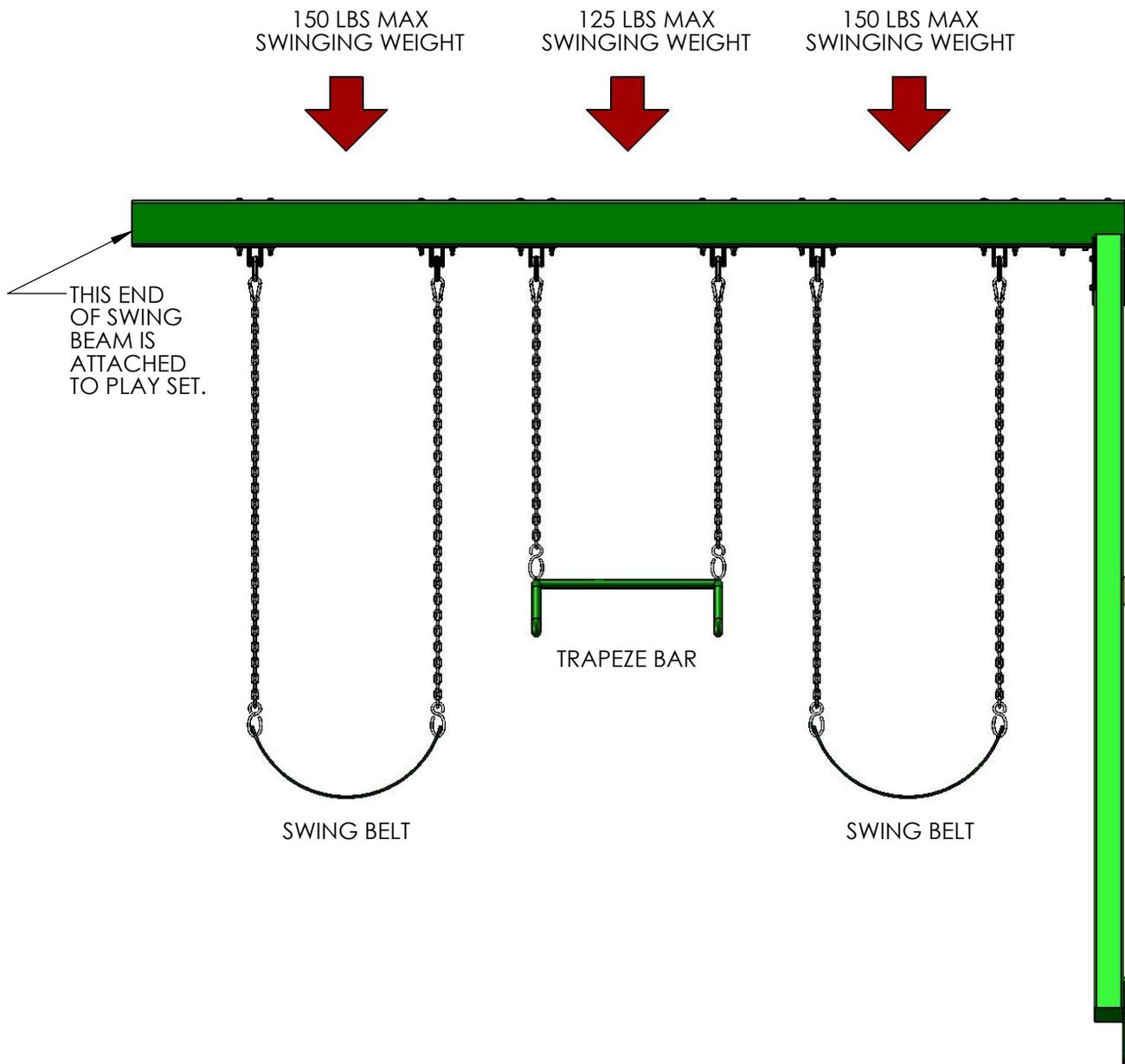
The weight limit for a Swing Belt is 225 lbs. (Although 150lbs is the maximum recommended swinging weight capacity for the swing position.)

The weight limit for a Trapeze Bar is 125 lbs.

Maximum Allowable swinging weight for a three position swing:

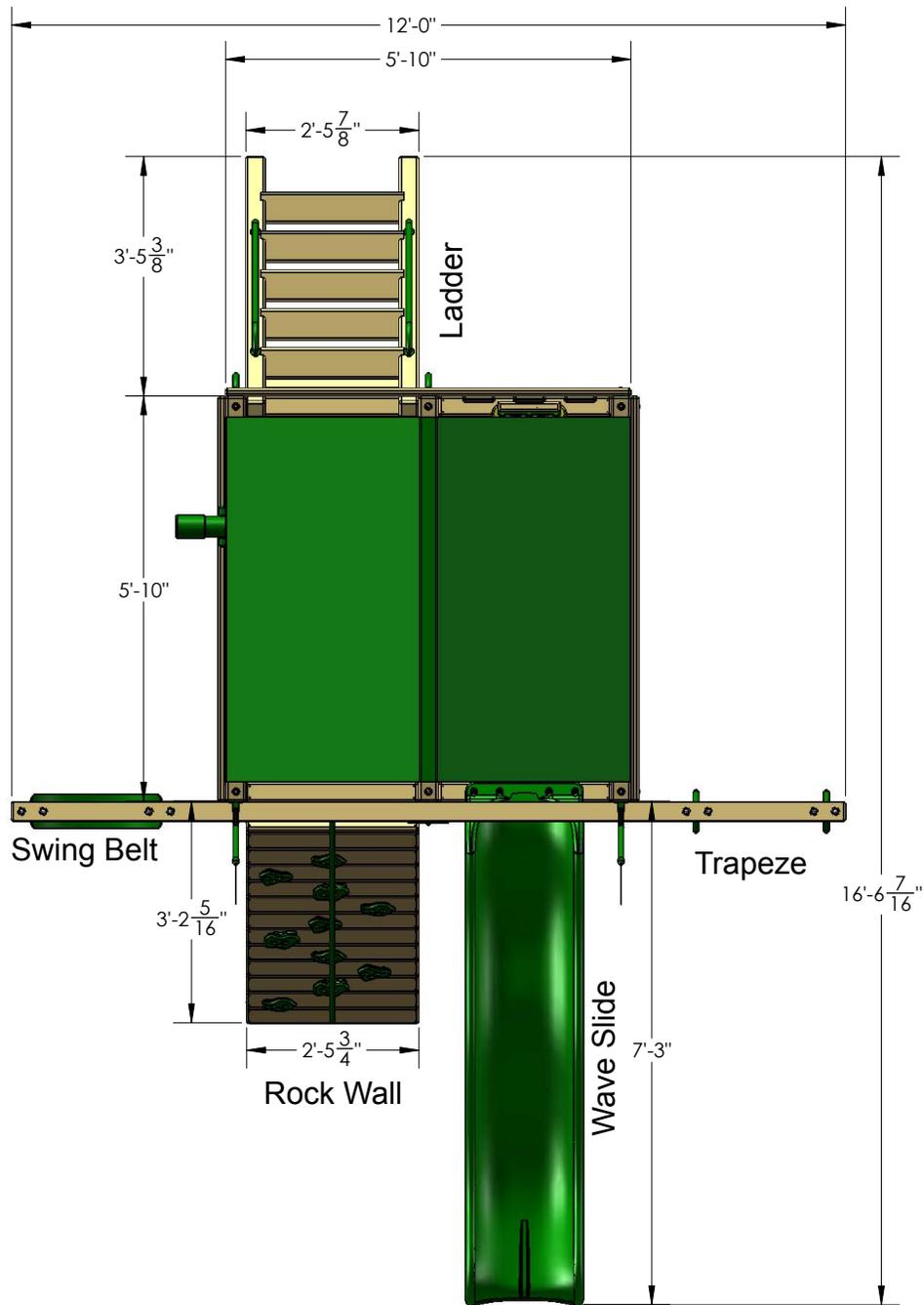
- 1) The maximum allowable swinging weight at each Swing Belt position is 150 lbs.
- 2) The maximum allowable swinging weight at the Trapeze position is 125 lbs.
- 3) The MAXIMUM SWING BEAM LOAD IS 425 lbs.

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: 11 feet - 3-1/4 inches
Swing Beam Height: 7 feet - 8 inches

Approximate assembly time: 4 to 6 hours

(6) foot unobstructed safety perimeter around playset recommended

REQUIRED TOOL LIST:

- ___ Standard or Cordless Drill w/ Phillips Bit (#2 square bit provided)
- ___ Drill Bits 1/8", 3/8", 9/64", 11/64" and a 1" Paddle style bit.
- ___ 1/2" Wrench and Socket
- ___ 1/2" Deep Well Socket
- ___ 9/16" Deep Well Socket
- ___ 9/16" Wrench and Socket
- ___ Level
- ___ Tape Measure
- ___ Extension Cord (if using standard drill)
- ___ Hammer
- ___ Pencil
- ___ Locking Pliers (Vise Grips)
- ___ Shovel

KIT CONTENTS

Swings, Slides, Accessories:

- ___ (Qty) Description
- ___ (1) Swingbelt w/chains
- ___ (1) Trapeze Swing w/chains
- ___ (1) Tire Swing w/chains
- ___ (10) Rock Wall Grips (assorted colors)
- ___ (1) 10ft rope
- ___ (1) 10ft Wiki Wave Slide
- ___ (1) Tic Tac Toe
- ___ (1) Telescope
- ___ (1) Steering Wheel
- ___ (1) Tarp
- ___ (4) 16" Metal Safety Handles
- ___ (2) 37" Metal Safety Handles
- ___ (1) Logo Plate

Fort Hardware:

see following pages

Swing Beam Hardware:

see following pages

Wood Components:

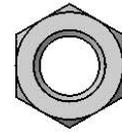
see following pages

Royal Palace Space Saver Hardware

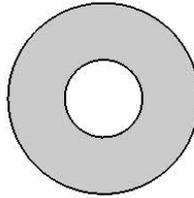
REV: C 3/22/2017 JH



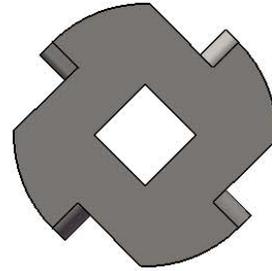
PLASTIC BOLT CAP
QTY: 18



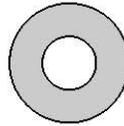
3/8" LOCK NUT
QTY: 18



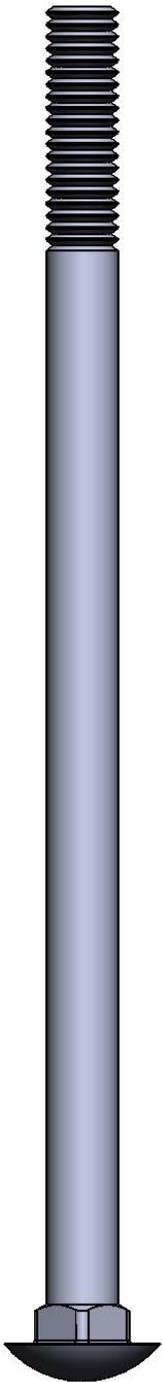
3/8" WASHER
QTY: 115



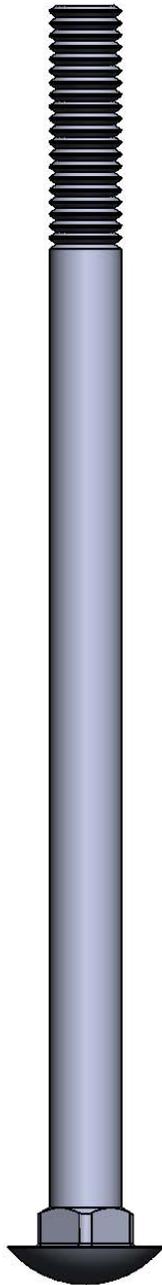
TORQUE WASHER
QTY: 18



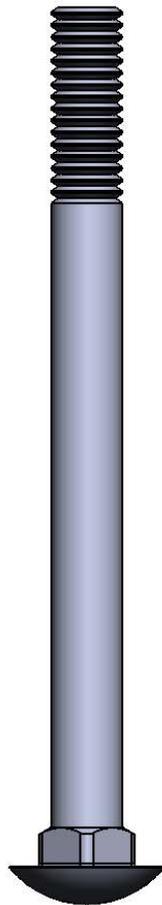
1/4" WASHER
QTY: 16



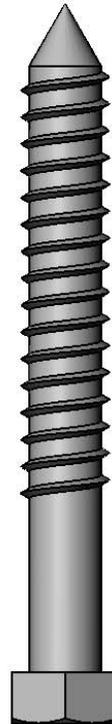
3/8 X 7"
CARRIAGE BOLT
QTY: 8



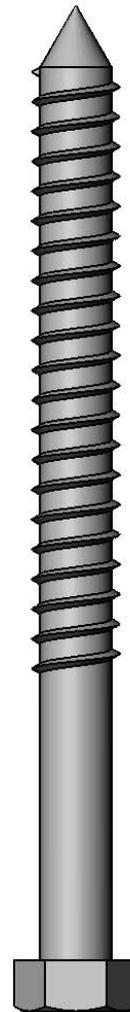
3/8 x 6-1/2"
CARRIAGE BOLT
QTY: 8



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



3/8 X 3-1/2"
HEX LAG SCREW
QTY: 68



3/8 X 5"
HEX LAG SCREW
QTY: 29



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.

Royal Palace Space Saver Hardware

REV: C 3/22/2017 JH

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



#8 X 2"
WOOD SCREW
QTY: 20



#8 X 2-1/2"
WOOD SCREW
QTY: 66



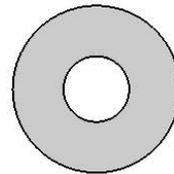
#14 X 1-1/4"
PAN HEAD
SCREW
QTY: 16



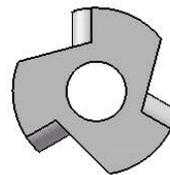
5/16" X 1-1/2"
HEX BOLT
QTY: 4



#2
SQUARE
DRIVE BIT
QTY: 1



5/16" WASHER
QTY: 4



5/16" TEE NUT
QTY: 4

9

8

7

6

5

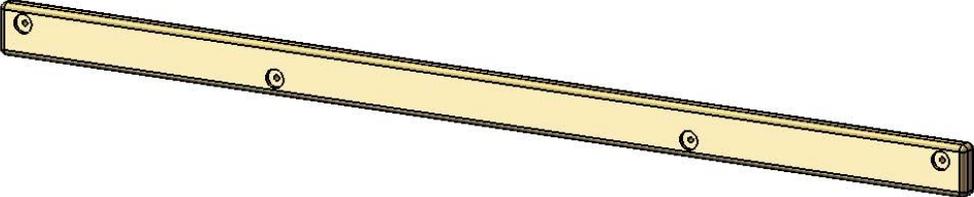
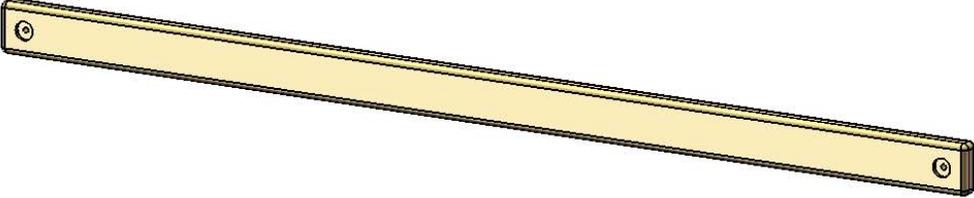
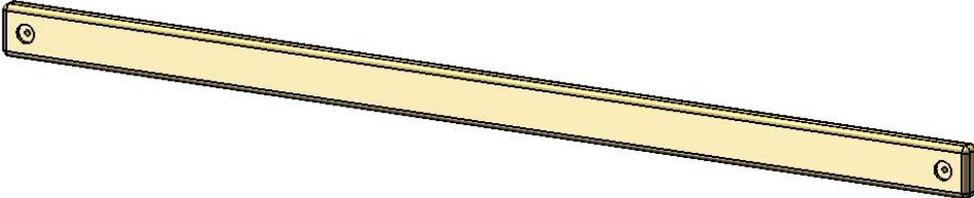
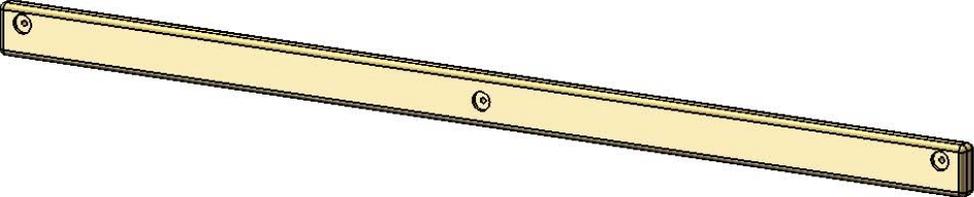
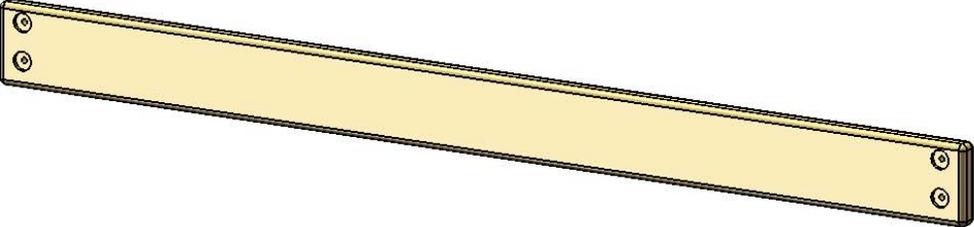
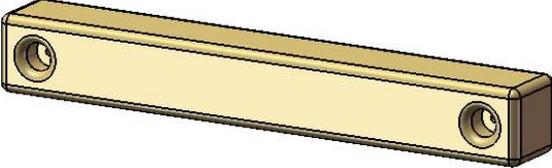
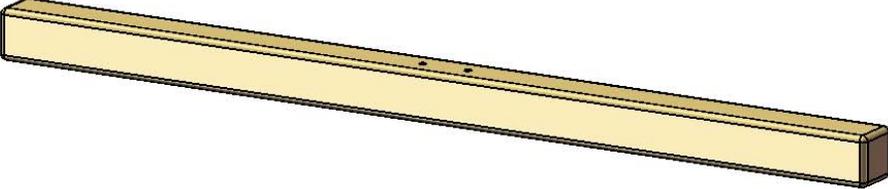
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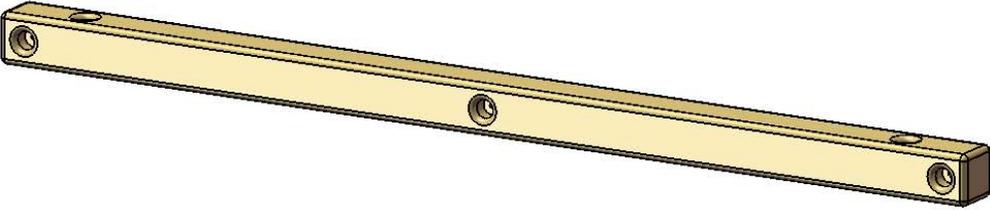
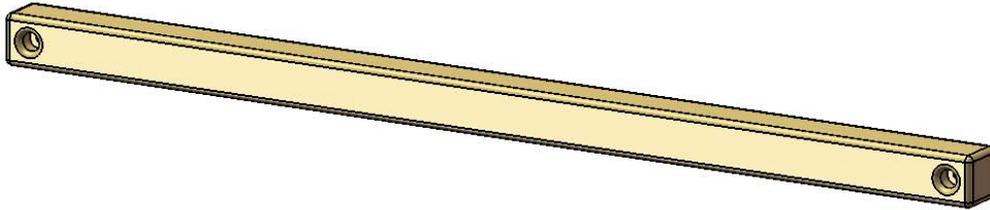
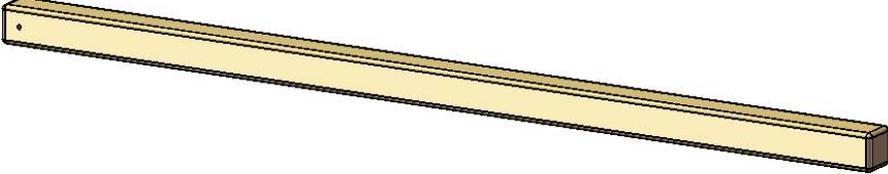
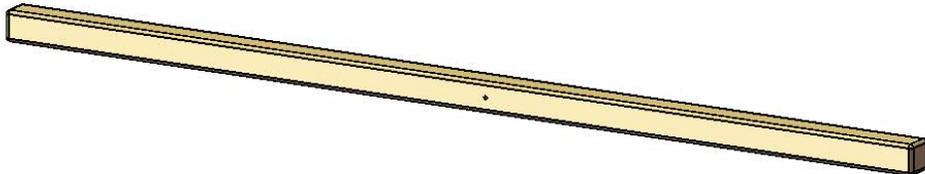
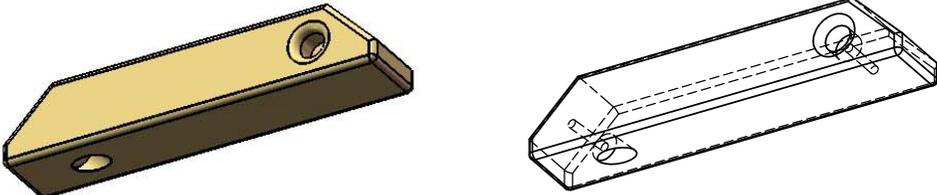
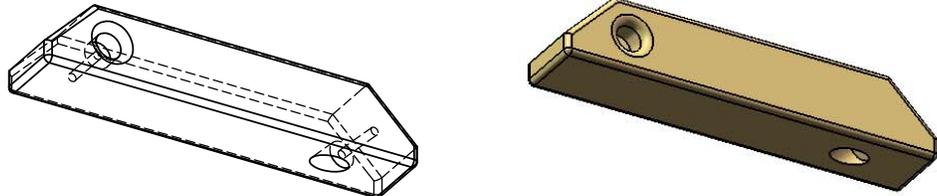
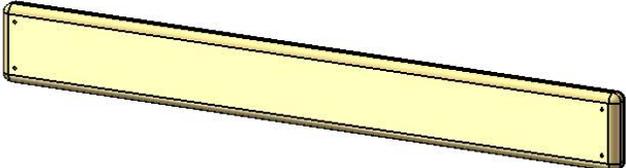
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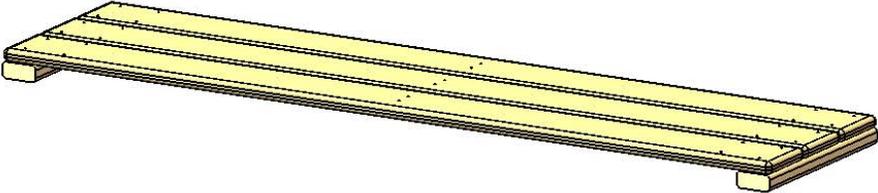
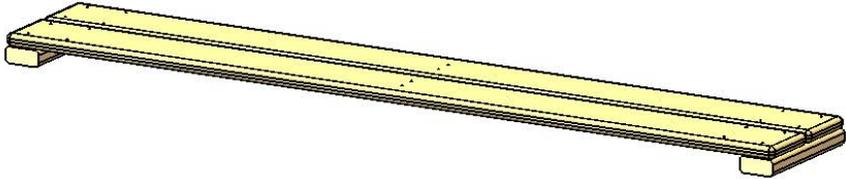
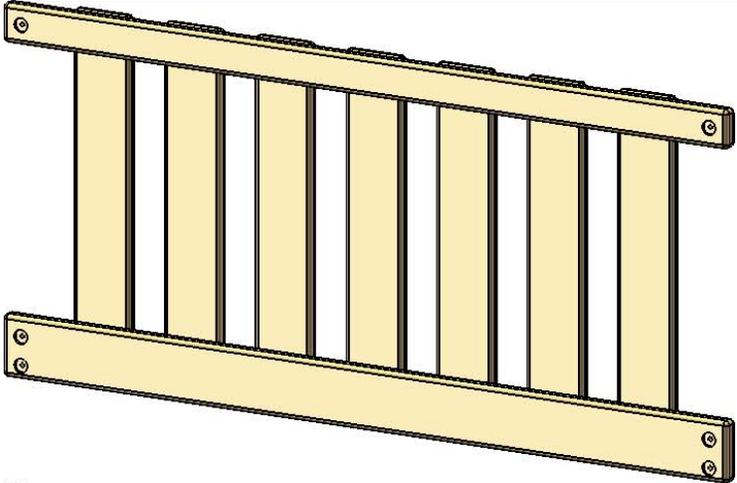
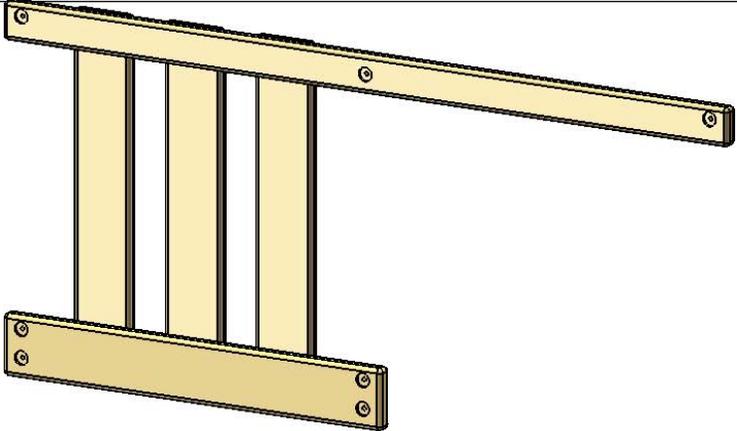
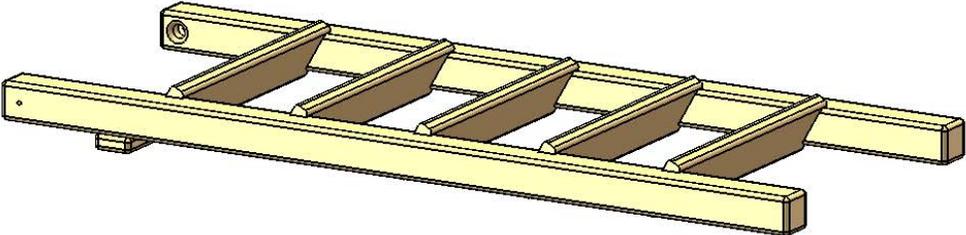
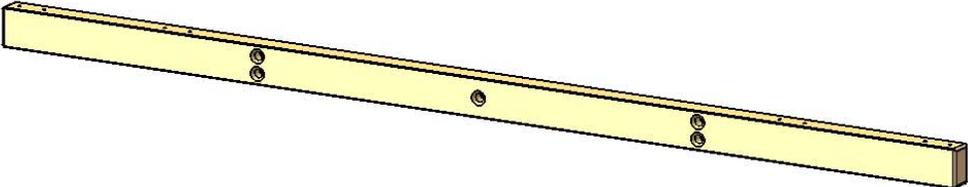
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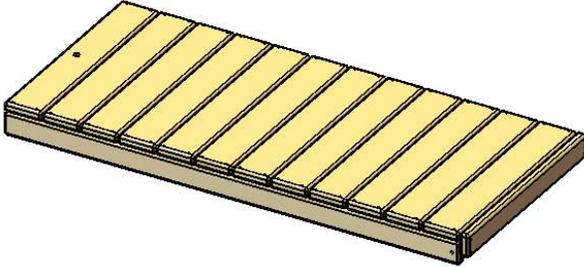
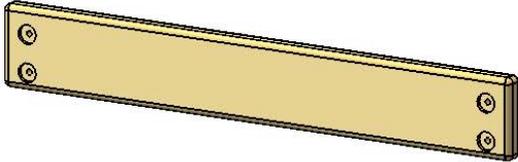
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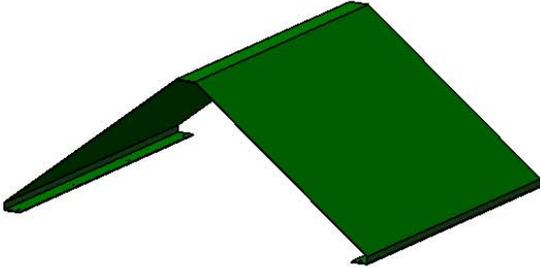
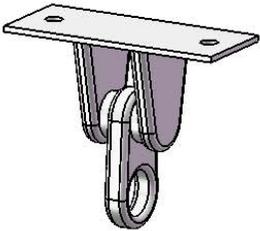
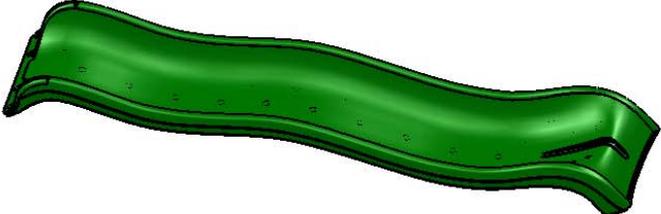
USE THE RULER TO THE RIGHT TO MEASURE YOUR BOLTS AND SCREWS. PICTURE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH BOLT AND SCREW SIZES.

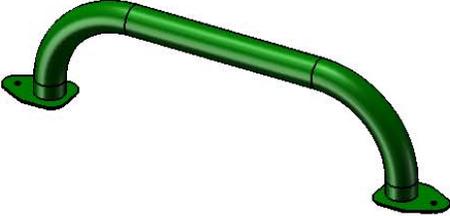
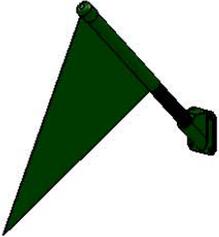
PICTURE	DESCRIPTION	QTY.
	2 x 4 x 70" Center Deck Support	2
	2 x 4 x 70" Safety Board	2
	2 x 4 x 70" Tarp Board	3
	2 x 4 x 70" Top Panel Board	1
	2 x 6 x 70" Sandbox Board	6
	4 x 4 x 25" Block	4
	4 x 4 x 63-1/4" Tire Swing Support	1

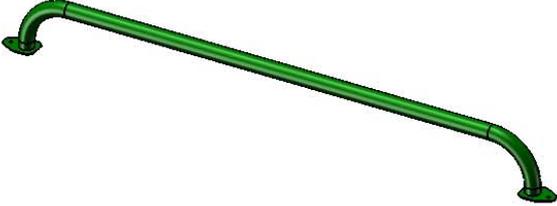
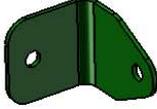
PICTURE	DESCRIPTION	QTY.
	<p>4 x 4 x 70" Block Support</p>	<p>2</p>
	<p>4 x 4 x 70" Deck Support</p>	<p>2</p>
	<p>4 x 4 x 84" Center Post</p>	<p>2</p>
	<p>4 x 4 x 109.5" Corner Post</p>	<p>4</p>
	<p>4 x 4 x 18" Fort Support (Left)</p>	<p>2</p>
	<p>4 x 4 x 18" Fort Support (Right)</p>	<p>2</p>
	<p>5/4 x 4 x 29-3/4" Deck Spacer</p>	<p>4</p>

PICTURE	DESCRIPTION	QTY.
	Deck Panel (3 Board)	3
	Deck Panel (2 board)	1
	70" Side Panel	2
	36-1/2" (Bottom) Post Panel	1
	Ladder 30-3/8" x 76"	1
	4 x 6 x 144" Swing Beam	1

PICTURE	DESCRIPTION	QTY.
	<p>Rock Wall Assembly</p>	<p>1</p>
	<p>2 x 6 x 36-3/4" Rock Wall Panel Board</p>	<p>1</p>
		<p>21</p>

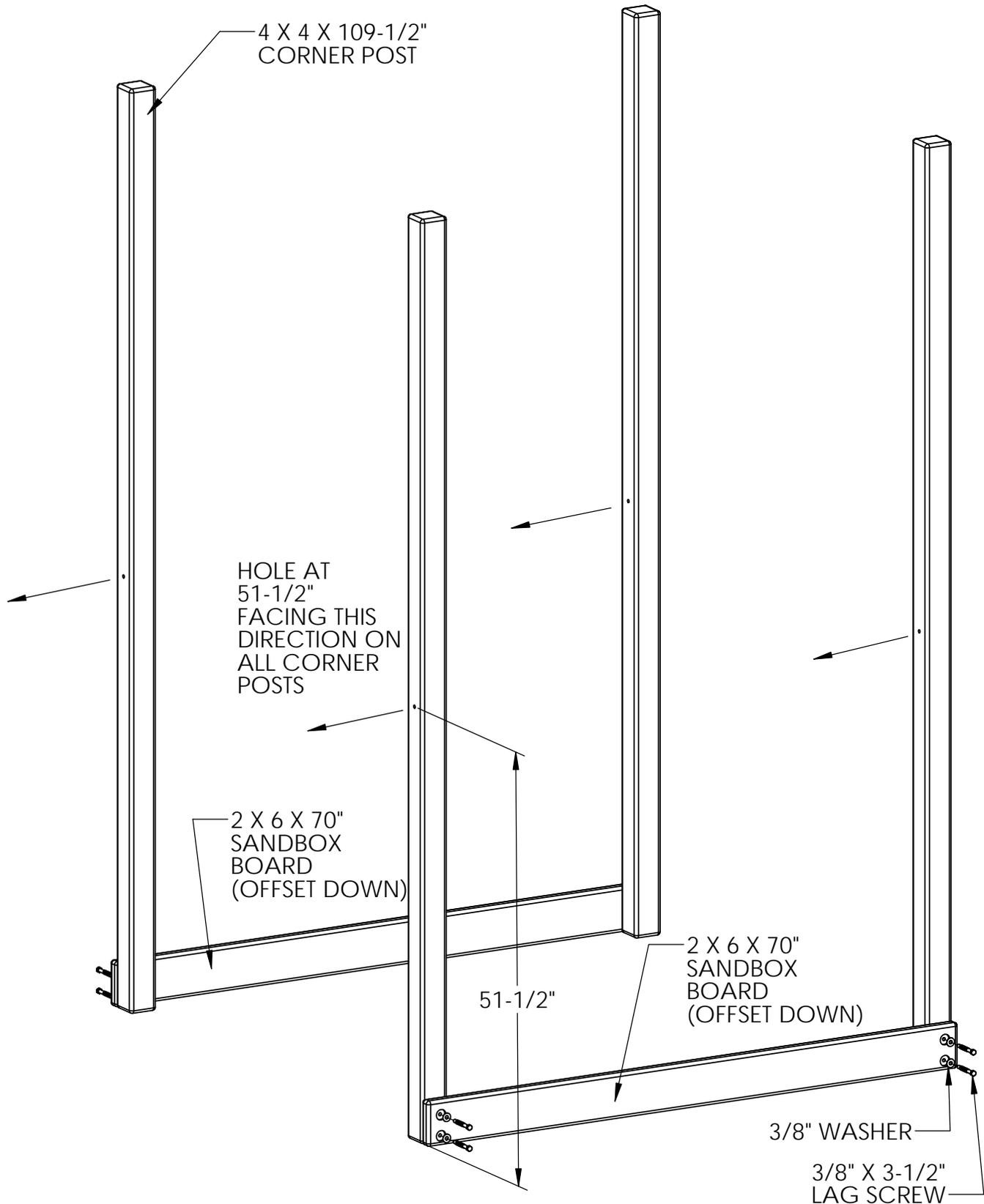
PICTURE	DESCRIPTION	QTY.
	Tire Swivel	1
	Tarp	1
	Iron Ductile Swing Hangers	4
	Spring Clip	7
	Steering Wheel	1
	Telescope	1
	10' Wiki Wave Slide	1

PICTURE	DESCRIPTION	QTY.
	<p>Swing w/Chains</p> <p>Trapeze Bar w/Chains</p>	<p>1</p> <p>1</p>
	<p>Tire Swing with Chains</p>	<p>1</p>
	<p>16" Safety Handle (Flush Mount)</p>	<p>4</p>
	<p>Flag Kit</p>	<p>2</p>
	<p>Rock Wall Rocks (Bag of 5)</p>	<p>2 bags</p>
<p>(NOT SHOWN)</p>	<p>Rock Wall Rope 10 feet</p>	<p>1</p>
	<p>Name Plate</p>	<p>1</p>

PICTURE	DESCRIPTION	QTY.
 <p>Note Tic Tac Toe boards in box with accessories in it.</p>	<p>Tic Tac Toe</p> <p>Tic Tac Toe Boards 1-3/8" X 1-5/8" X 10-1/2"</p>	<p>1</p> <p>2</p>
	<p>37" Safety Handle (FLUSH MOUNT)</p>	<p>2</p>
	<p>90° Bracket</p>	<p>2</p>

STEP 1: CORNER POSTS

- 1: PLACE THE 2 X 6 X 70" SANDBOX BOARDS FLUSH WITH THE BOTTOM AND SIDES OF THE 4 X 4 X 109-1/2" CORNER POSTS. SQUARE THE SANDBOX BOARDS TO THE CORNER POSTS.
- 2: FASTEN EACH SANDBOX BOARD WITH 3/8" X 3-1/2" LAG SCREWS AND 3/8" WASHERS.

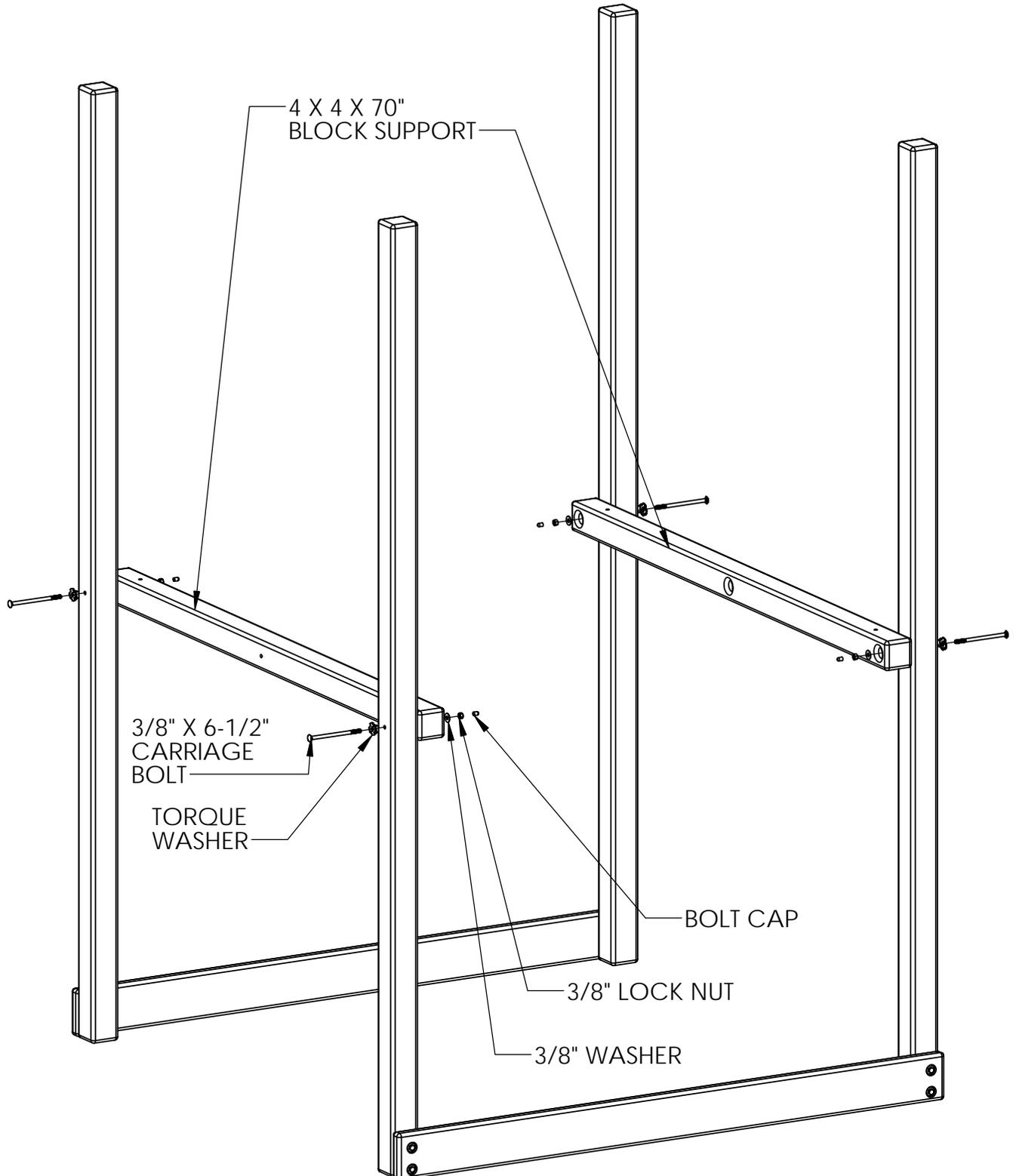


STEP 2: BLOCK SUPPORTS

1: PLACE THE 4 X 4 X 70" BLOCK SUPPORTS FLUSH TO THE INSIDE OF THE CORNER POSTS, LINING UP THE PILOT HOLES. MAKE SURE THE THREE COUNTER-SUNK HOLES ARE FACING TOWARDS THE INSIDE OF THE PLAYSET. THERE SHOULD BE TWO COUNTER-SUNK HOLES FACING DOWN.

2: FASTEN THE BLOCK SUPPORTS TO THE CORNER POSTS USING 3/8" X 6-1/2" CARRIAGE BOLTS WITH TORQUE WASHERS ON THE OUTSIDE OF THE CORNER POSTS, AND 3/8" NUTS WITH 3/8" WASHERS INSIDE THE COUNTER-SUNK HOLES OF THE BLOCK SUPPORTS. PLACE GREEN BOLT CAPS OVER ANY EXPOSED THREADS.

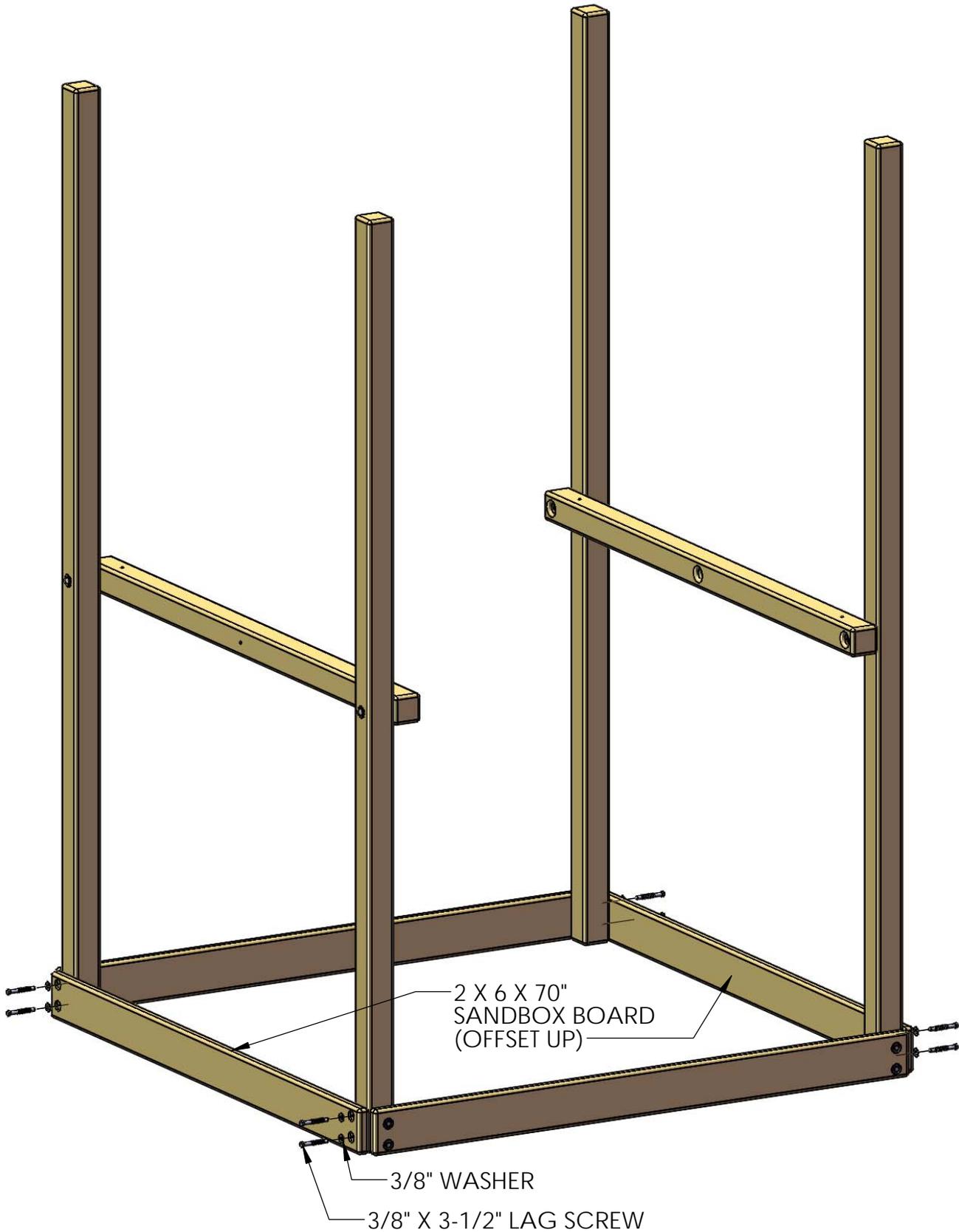
3: LEAVE THE MIDDLE HOLE OF THE BLOCK SUPPORT ALONE AT THIS TIME; IT WILL BE USED LATER.



STEP 3: SANDBOX BOARDS

1: PLACE THE 2 X 6 X 70" SANDBOX BOARDS FLUSH WITH THE BOTTOM AND SIDES OF THE CORNER POSTS.

2: FASTEN EACH SANDBOX BOARD (OFFSET UP) TO THE CORNER POSTS WITH 3/8" X 3-1/2" LAG SCREWS AND 3/8" WASHERS.

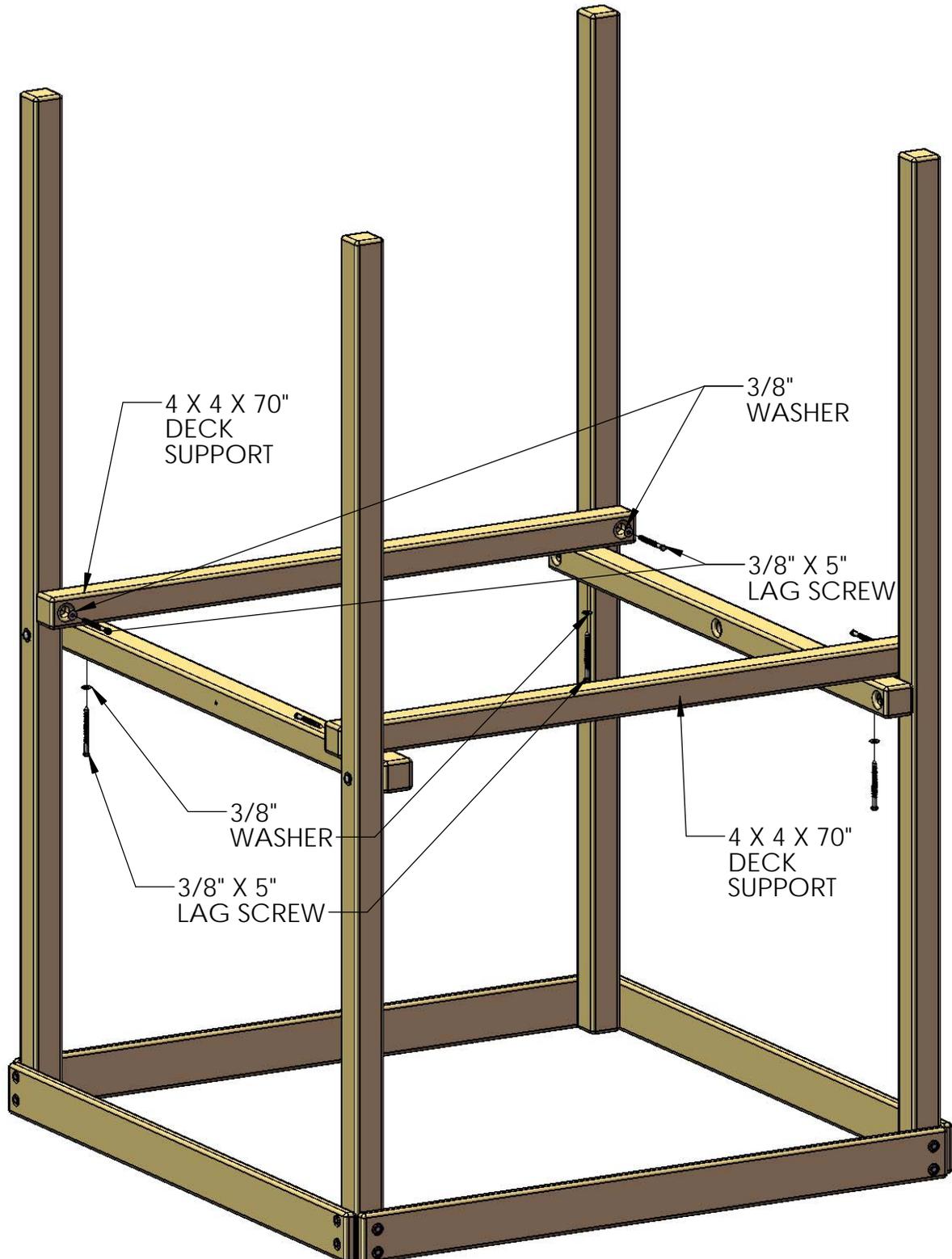


STEP 4: DECK SUPPORTS

1: PLACE THE 4 X 4 X 70" DECK SUPPORTS FLUSH TO THE INSIDE OF THE CORNER POSTS, ON TOP OF THE BLOCK SUPPORTS. MAKE SURE THE CORNER POSTS ARE PARALLEL.

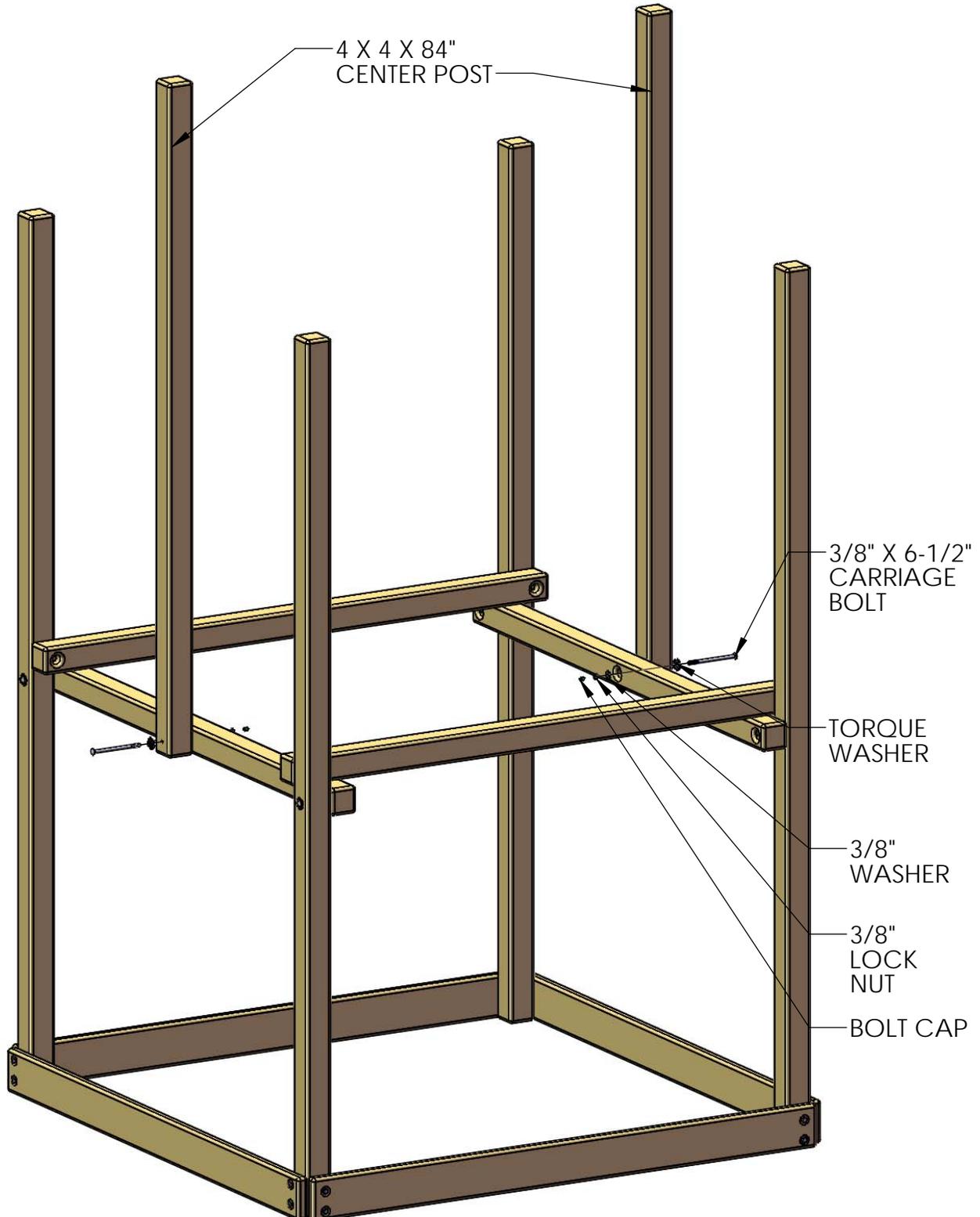
2: FASTEN THE DECK SUPPORTS TO THE CORNER POSTS WITH 3/8 X 5" LAG SCREWS AND 3/8" WASHERS FROM THE INSIDE.

3: FASTEN DECK SUPPORTS TO THE BLOCK SUPPORTS WITH 3/8 X 5" LAG SCREWS AND 3/8" WASHERS FROM UNDERNEATH.



STEP 5: CENTER POSTS

- 1: 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.
- 2: FASTEN THE CENTER POSTS TO THE BLOCK SUPPORTS USING 3/8" X 6-1/2" CARRIAGE BOLTS WITH TORQUE WASHERS FROM THE OUTSIDE OF THE CENTER POSTS, AND 3/8" LOCK NUTS WITH 3/8" WASHERS INSIDE THE COUNTER-SUNK HOLES OF THE BLOCK SUPPORTS.
- 3: PLACE GREEN BOLT CAPS OVER ANY EXPOSED THREADS.

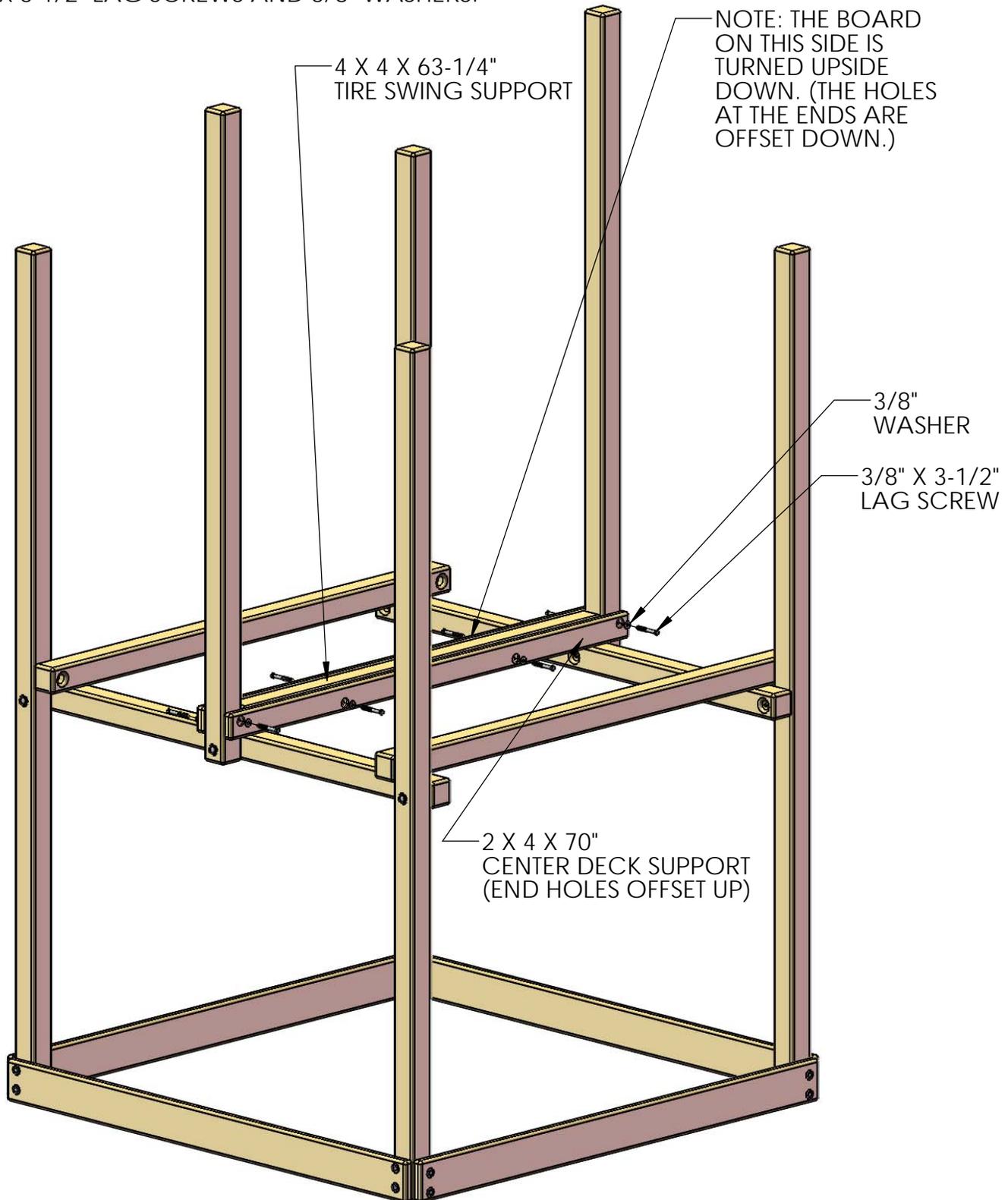


STEP 6: TIRE SWING SUPPORT

1: PLACE THE 4 X 4 X 63-1/4" TIRE SWING SUPPORT ON TOP OF THE BLOCK SUPPORTS, IN LINE WITH THE CENTER POSTS. NO SCREWS ARE NEEDED FOR THE TIRE SWING SUPPORT.

2: PLACE THE 2 X 4 X 70" CENTER DECK SUPPORTS AGAINST THE CENTER POSTS, ON TOP OF THE BLOCK SUPPORTS. TAKE NOTE THAT THE BOARDS HAVE OFFSET HOLES ON THE END AND IN THE CENTER. WHEN INSTALLING, MAKE SURE THAT THE BOARD IS UPSIDE DOWN IN COMPARISON TO THE OTHER SIDE TO PREVENT INTERFERENCE. BASICALLY, IF YOU INSTALL THE FIRST BOARD WITH THE OUTSIDE HOLES OFFSET UP ON ONE SIDE, THEY SHOULD BE OFFSET DOWN ON THE OTHER.

3: FASTEN THE CENTER DECK SUPPORTS TO THE CENTER POSTS AND THE TIRE SWING BEAM WITH 3/8" X 3-1/2" LAG SCREWS AND 3/8" WASHERS.



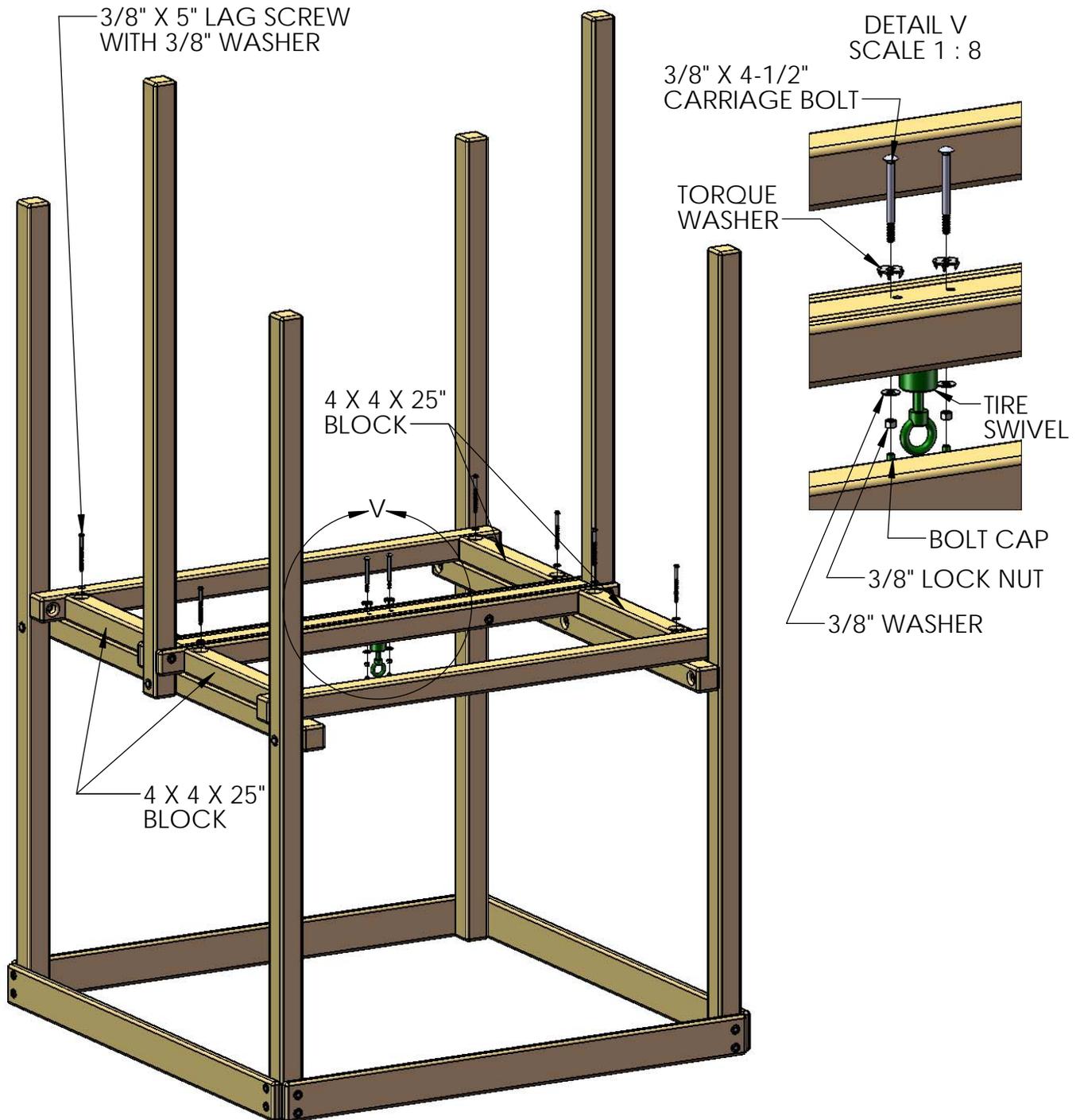
STEP 7: BLOCKS AND TIRE SWIVEL

1: PLACE THE 4 X 4 X 25" BLOCKS ON TOP OF THE BLOCK SUPPORTS, BETWEEN THE CENTER AND END DECK SUPPORTS.

2: FASTEN THE BLOCKS TO THE BLOCK SUPPORTS WITH 3/8" X 5" LAG SCREWS AND 3/8" WASHERS.

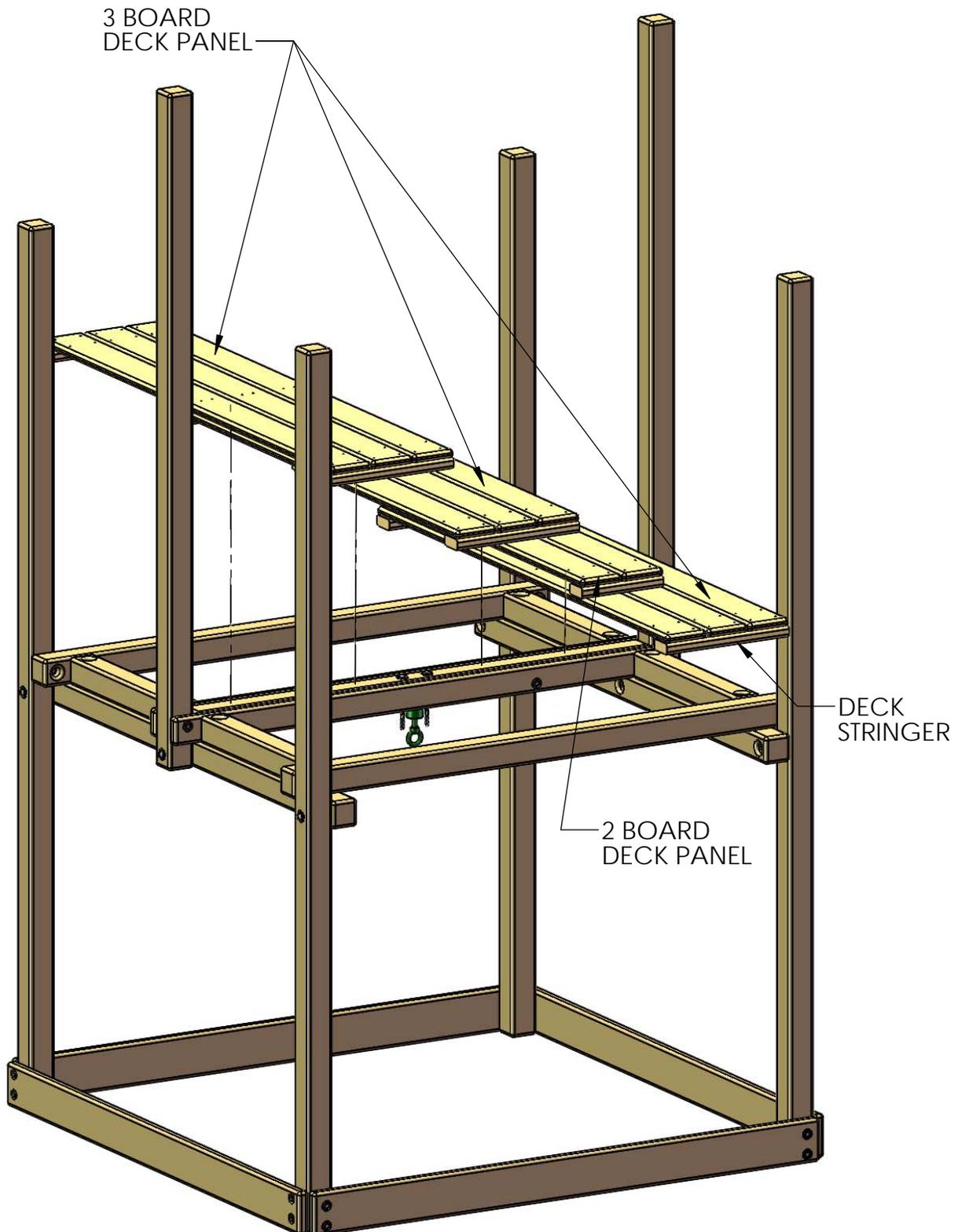
3: CENTER THE TIRE SWIVEL ON TOP OF THE TIRE SWING SUPPORT. MARK THE BOLT HOLES OF THE TIRE SWIVEL, THEN PROCEED TO DRILL TWO 3/8" PILOT HOLES THROUGH THE TIRE SWING SUPPORT.

4: MOUNT THE TIRE SWIVEL TO THE TIRE SWING SUPPORT USING 3/8" X 4-1/2" CARRIAGE BOLTS WITH TORQUE WASHERS ON TOP OF THE TIRE SWING BEAM, AND 3/8" LOCK NUTS WITH 3/8" WASHERS FROM UNDERNEATH. PLACE GREEN BOLT CAPS OVER ANY EXPOSED THREADS.



STEP 8: DECK PANELS

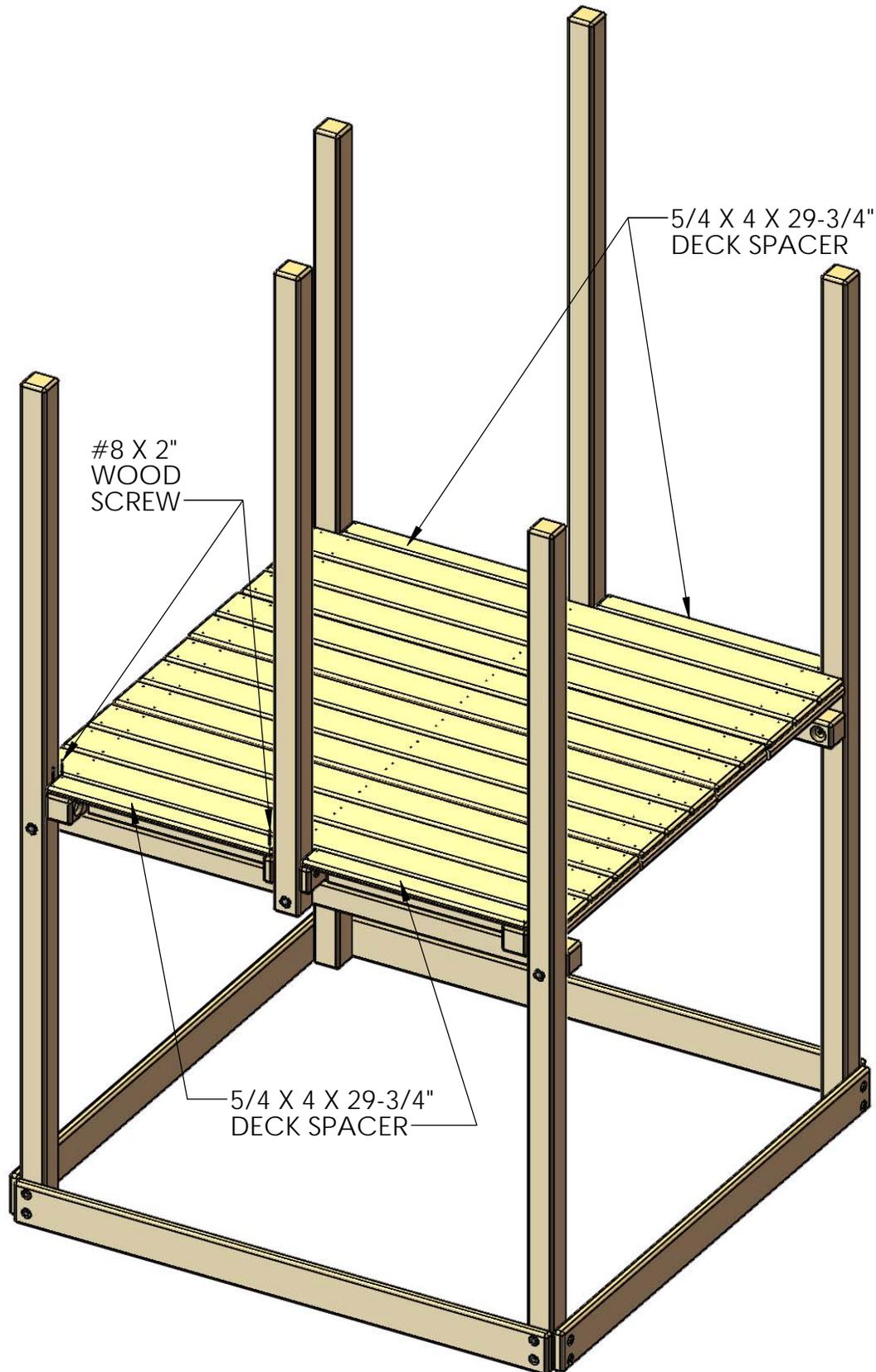
- 1: PLACE THE THREE 3-BOARD DECK PANELS AND ONE 2-BOARD DECK PANEL ACROSS THE DECK SUPPORTS, ALLOWING THE 2 X 4 DECK STRINGERS TO OVERHANG THE DECK SUPPORTS.
- 2: ATTACH THE DECK PANELS TO THE DECK SUPPORTS WITH TWO 2-1/2" WOOD SCREWS PER SIDE PER BOARD.
- 3: ATTACH THE DECK BOARDS TO THE TIRE SWING SUPPORT WITH TWO 2-1/2" WOOD SCREWS PER BOARD.



STEP 9: DECK SPACERS

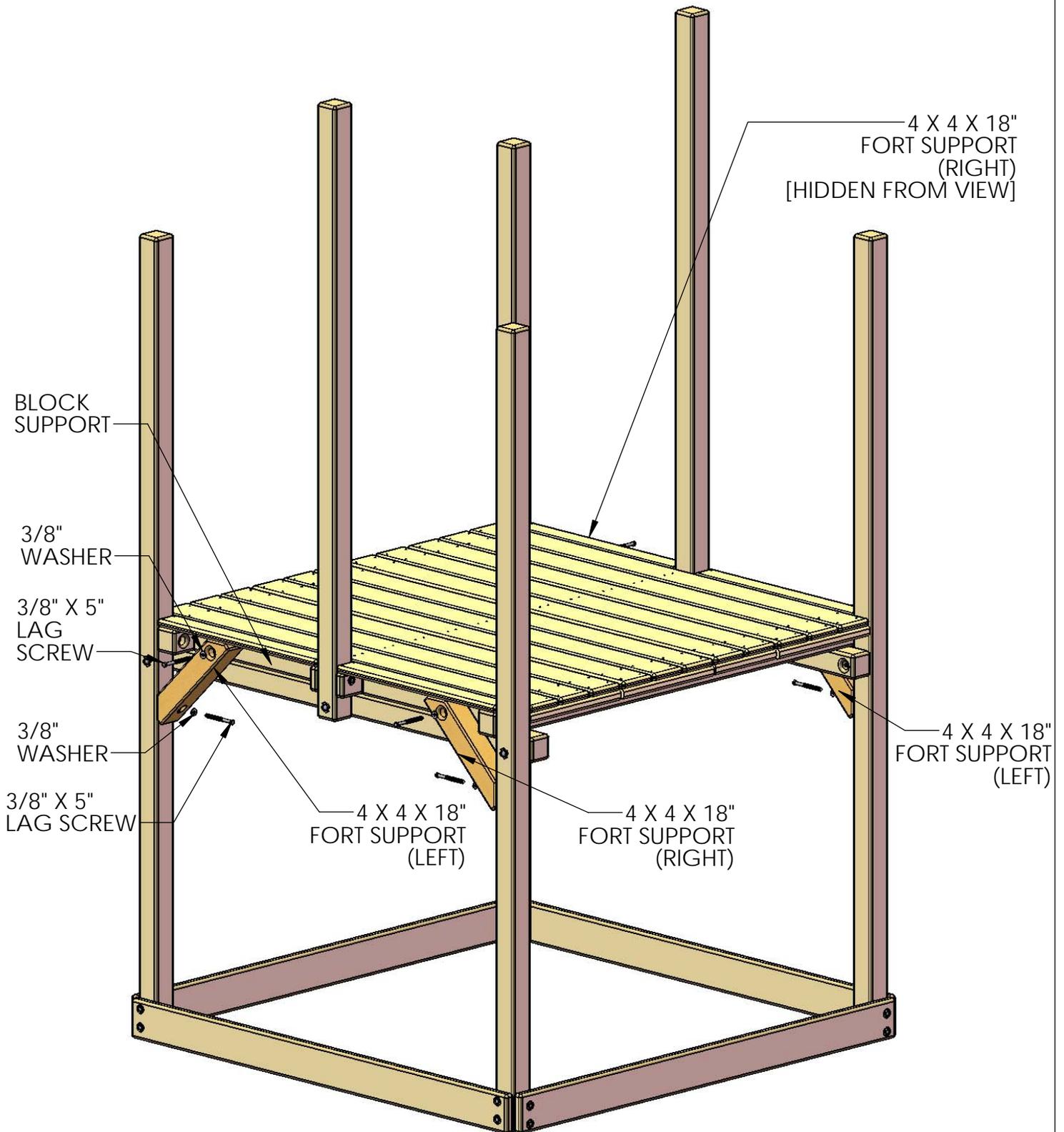
1: PLACE THE 5/4 X 4 X 29 3/4" DECK SPACERS ON TOP OF THE DECK SUPPORTS, BETWEEN THE CENTER AND CORNER POSTS.

2: FASTEN THE DECK SPACERS TO THE CENTER AND END DECK SUPPORTS WITH TWO #8 X 2" WOOD SCREWS PER SIDE.



STEP 10: FORT SUPPORTS

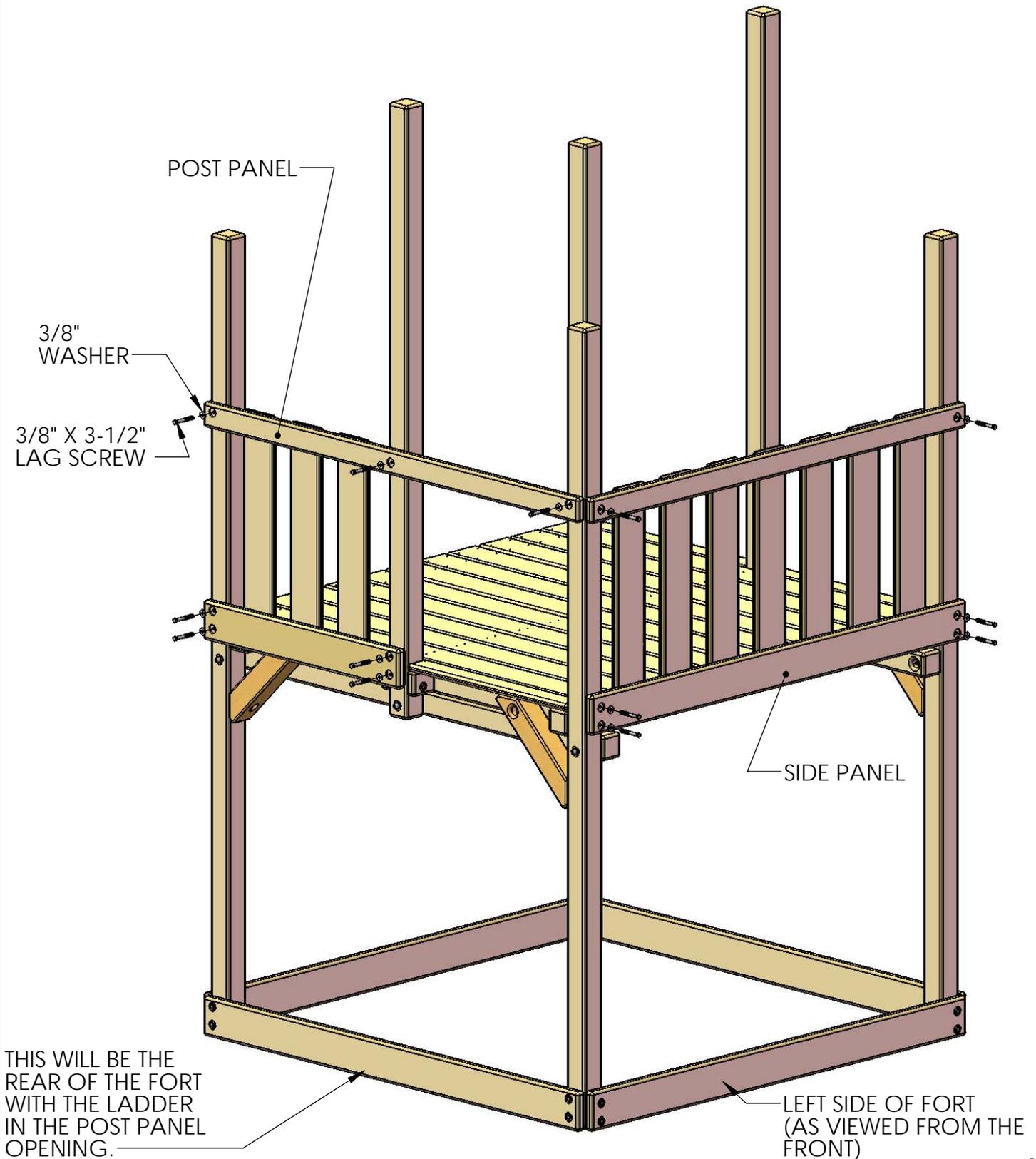
- 1: PLACE THE 4 X 4 X 18" FORT SUPPORTS FLUSH TO THE INSIDE OF THE CORNER POSTS AND THE OUTSIDE OF THE BLOCK SUPPORTS.
- 2: FASTEN THE FORT SUPPORTS TO THE CORNER POSTS AND BLOCK SUPPORTS WITH 3/8" X 5" LAG SCREWS AND 3/8" WASHERS.



STEP 11: PANELS

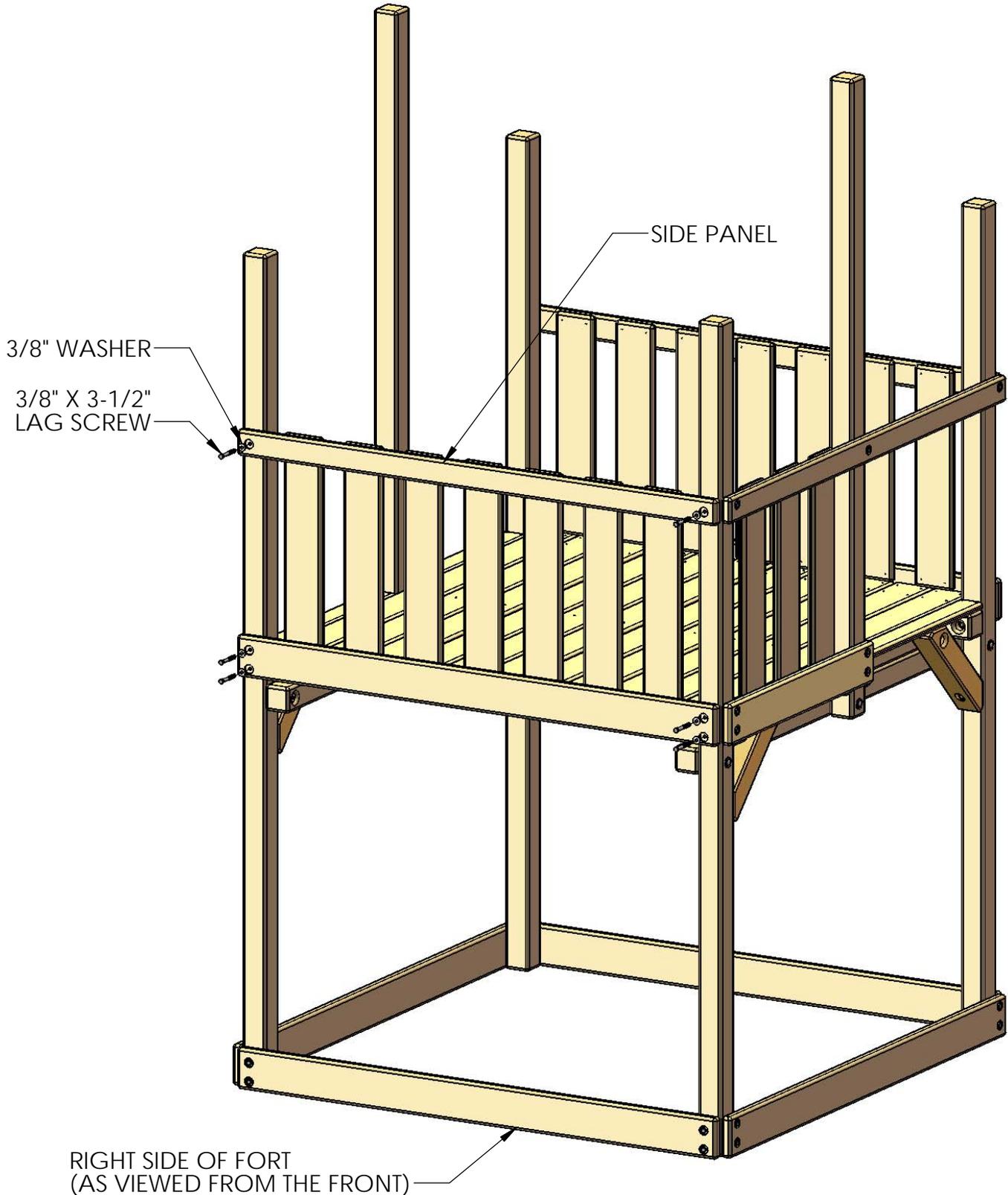
1: PLACE THE 70" SIDE PANEL FLUSH AGAINST THE CORNER POSTS ON THE LEFT SIDE OF THE FORT, ALLOWING THE PANEL SLATS TO REST ON TOP OF THE DECK. FASTEN THE SIDE PANEL TO THE CORNER POSTS USING 3/8" X 3-1/2" LAG SCREWS AND 3/8" WASHERS.

2: PLACE THE 70" POST PANEL FLUSH AGAINST THE CORNER POSTS ON THE REAR OF THE FORT, ALLOWING THE PANEL SLATS TO REST ON TOP OF THE DECK. FASTEN THE POST PANEL TO THE CORNER POSTS USING 3/8" X 3-1/2" LAG SCREWS AND 3/8" WASHERS.



STEP 12: SIDE PANEL

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

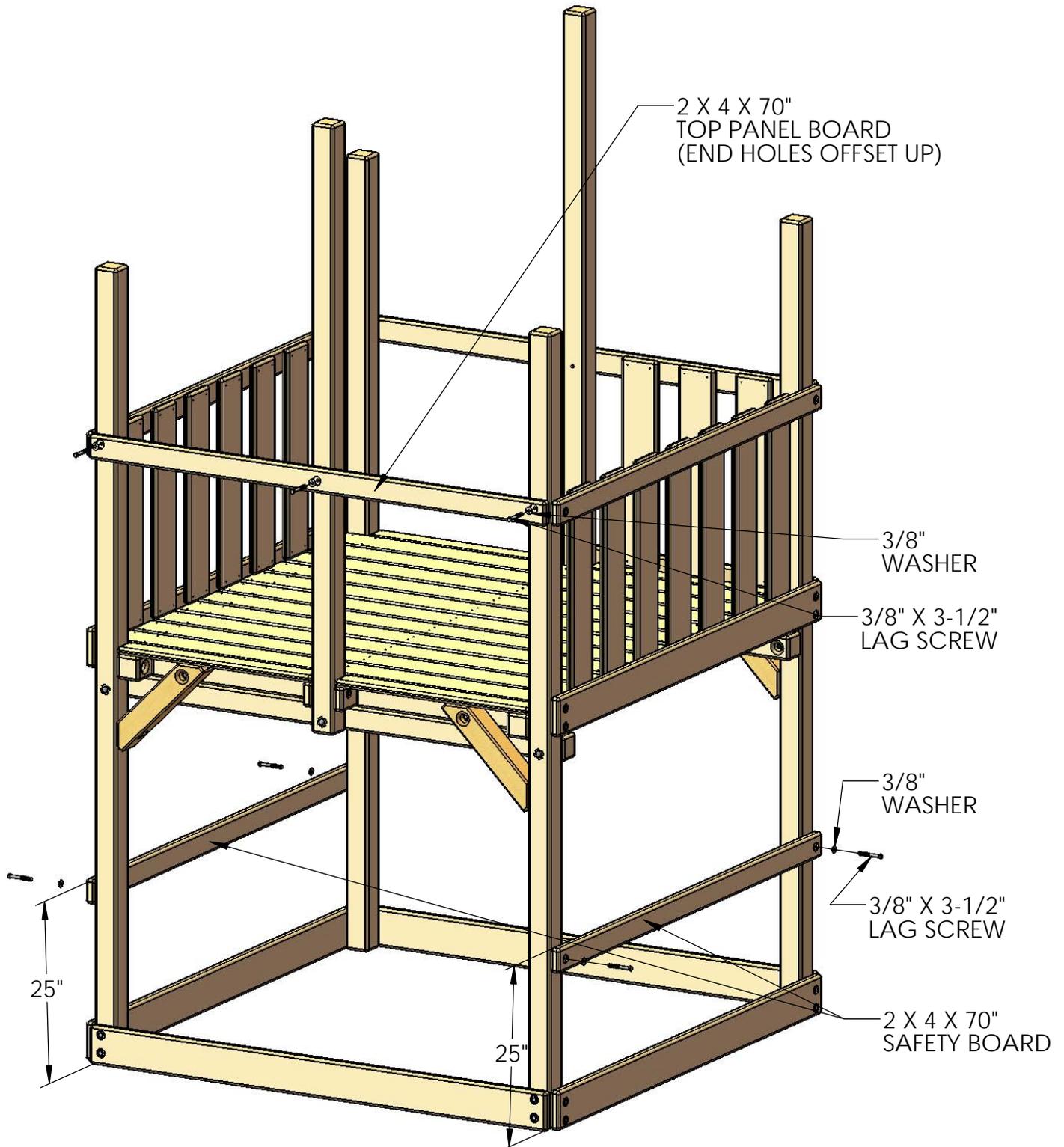


STEP 13: SAFETY BOARDS

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

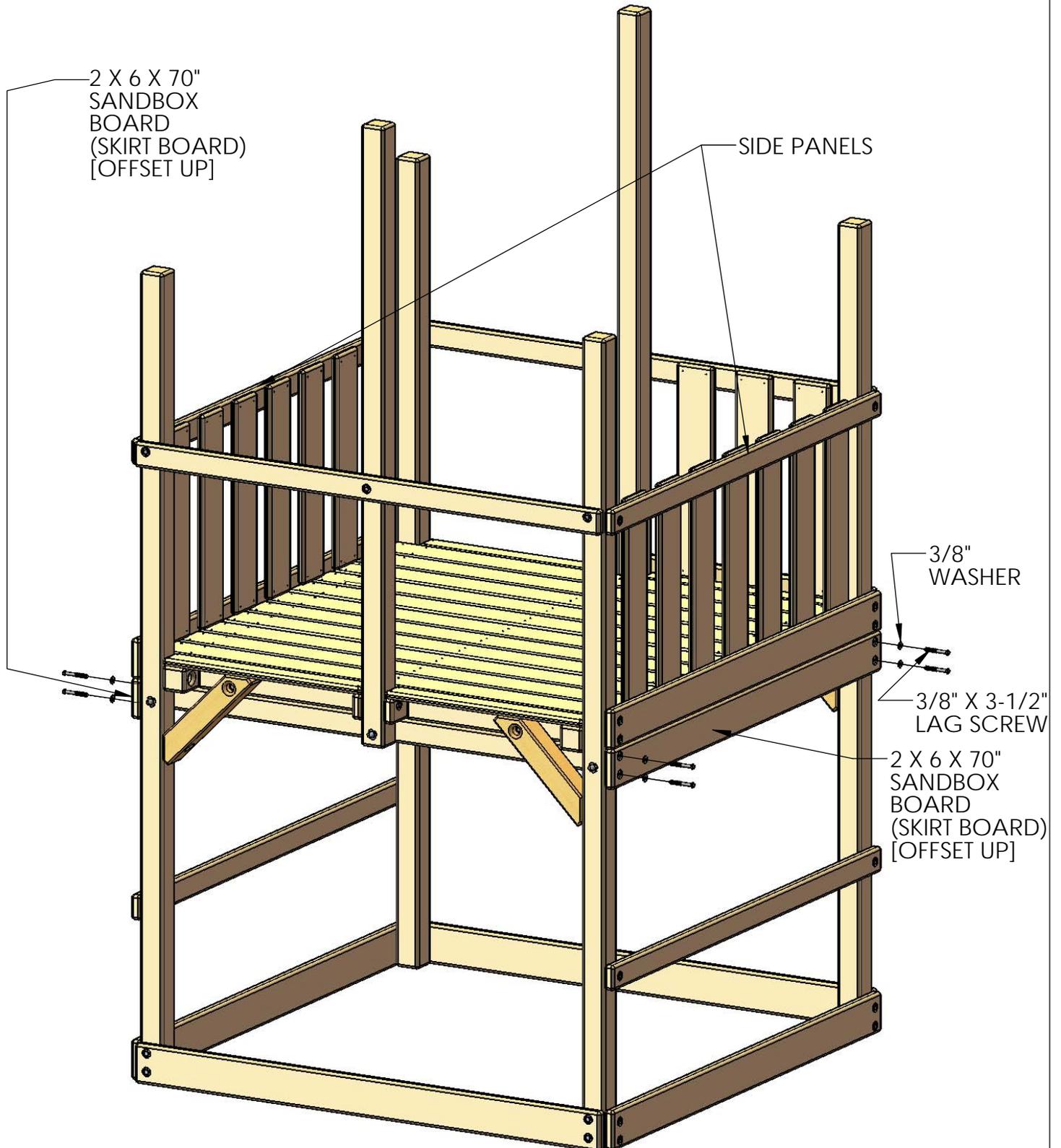
2: PLACE THE 2 X 4 X 70" SAFETY BOARD FLUSH TO THE CORNER POSTS ON THE RIGHT SIDE OF THE FORT, AT 25" FROM THE GROUND TO THE TOP OF THE BOARD. FASTEN THE SAFETY BOARD TO THE CORNER POSTS WITH 3/8" X 3-1/2" LAG SCREWS AND 3/8" WASHERS.

3: PLACE THE 2 X 4 X 70" SAFETY BOARD FLUSH TO THE CORNER POSTS ON THE LEFT SIDE OF THE FORT, AT 25" FROM THE GROUND TO THE TOP OF THE BOARD. FASTEN THE SAFETY BOARD TO THE CORNER POSTS WITH 3/8" X 3-1/2" LAG SCREWS AND 3/8" WASHERS.



STEP 14: SKIRT BOARDS

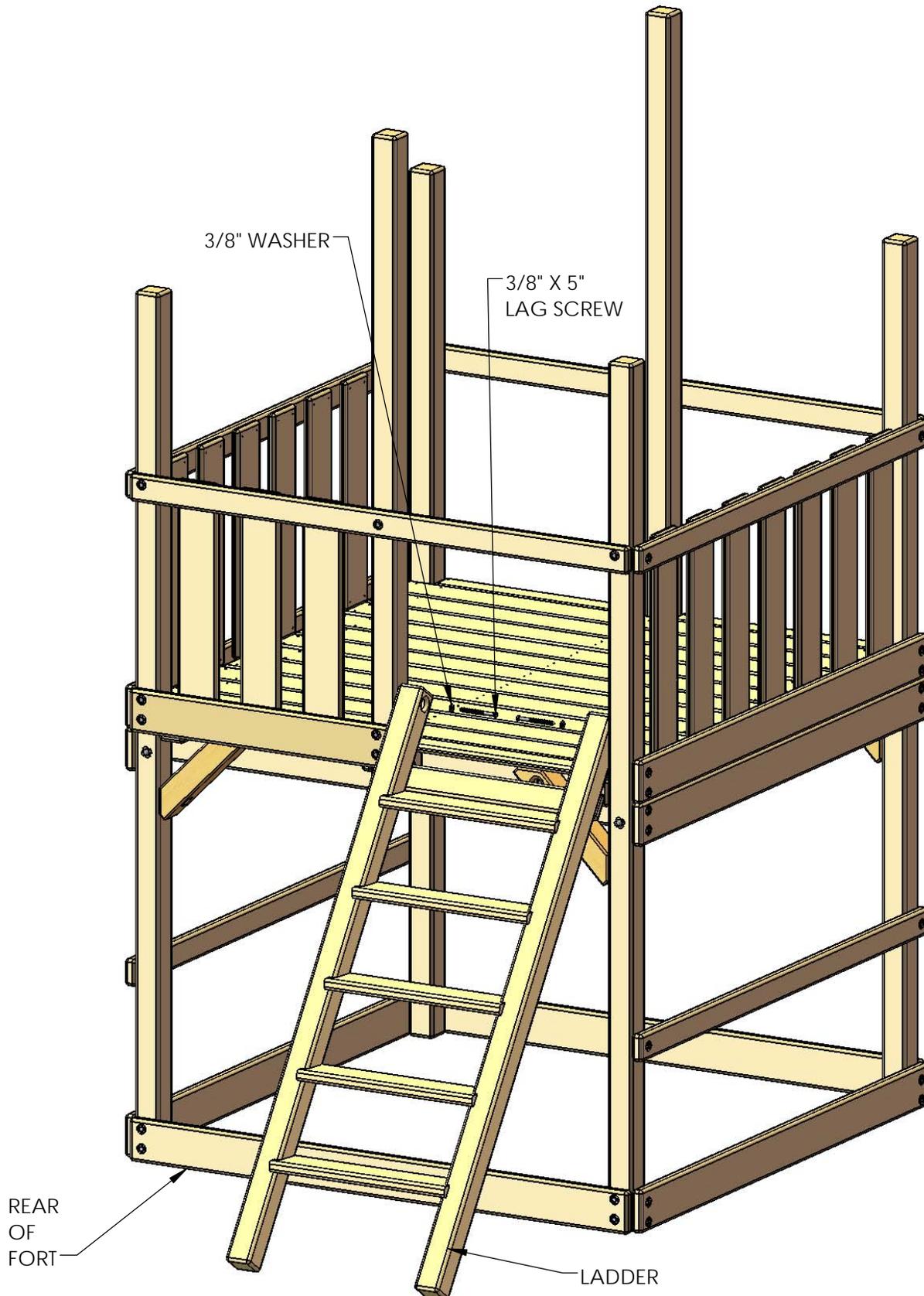
- 1: PLACE THE 2 X 6 X 70" SANDBOX BOARD (SKIRT BOARD) DIRECTLY UNDERNEATH THE BOTTOM BOARD ON THE SIDE PANEL. THE SKIRT BOARD HOLES SHOULD BE OFFSET UP.
- 2: FASTEN THE BOARD TO THE CORNER POSTS WITH 3/8" X 3-1/2" LAG SCREWS AND 3/8" WASHERS.
- 3: REPEAT SUBSTEPS 1 AND 2 FOR THE SKIRT BOARD ON THE OPPOSITE SIDE OF THE FORT.



STEP 15: LADDER

1: PLACE THE LADDER FLUSH TO THE INSIDE OF THE REAR CENTER POST AND THE REAR LEFT CORNER POST.

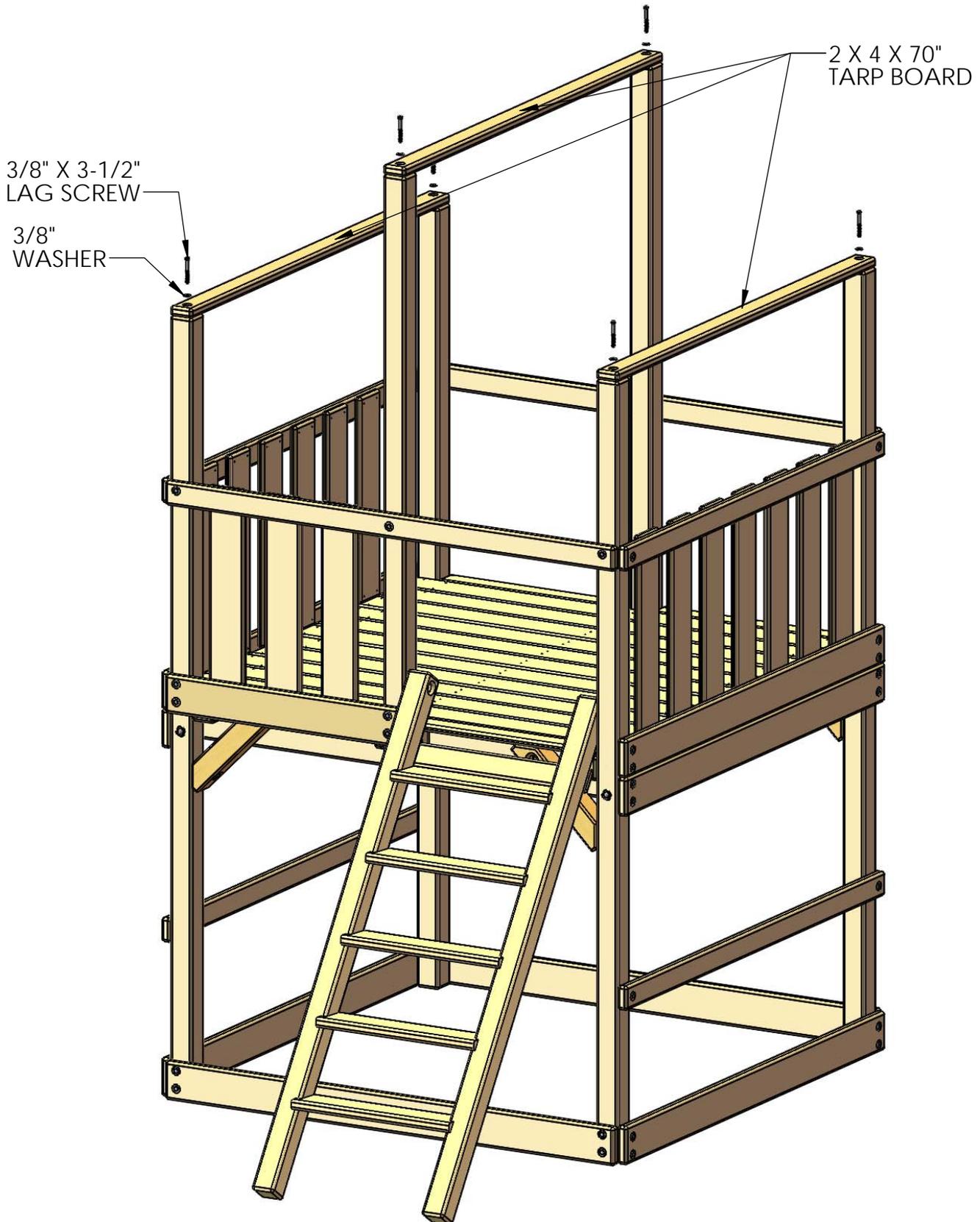
2: CENTER THE COUNTERSUNK HOLES OVER THE POSTS AND FASTEN THE LADDER SIDES TO THE POSTS WITH 3/8" X 5" LAG SCREWS AND 3/8" WASHERS.



STEP 16: TARP BOARDS

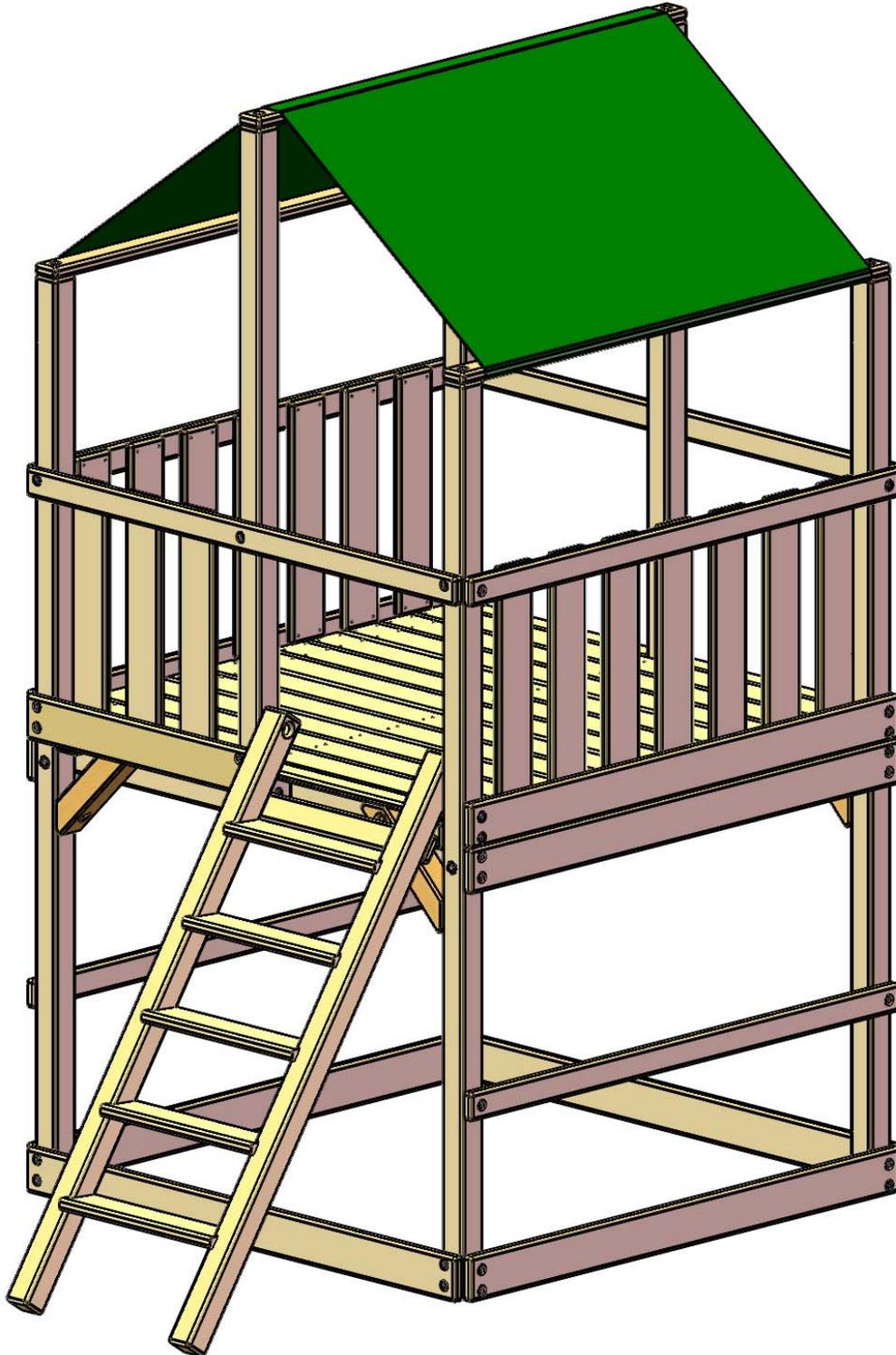
1: PLACE THE 2 X 4 X 70" TARP BOARDS FLUSH ON TOP OF THE CORNER POSTS AND THE CENTER POSTS.

2: FASTEN THE TARP BOARDS TO THE POSTS WITH 3/8" X 3-1/2" LAG SCREWS AND 3/8" WASHERS.



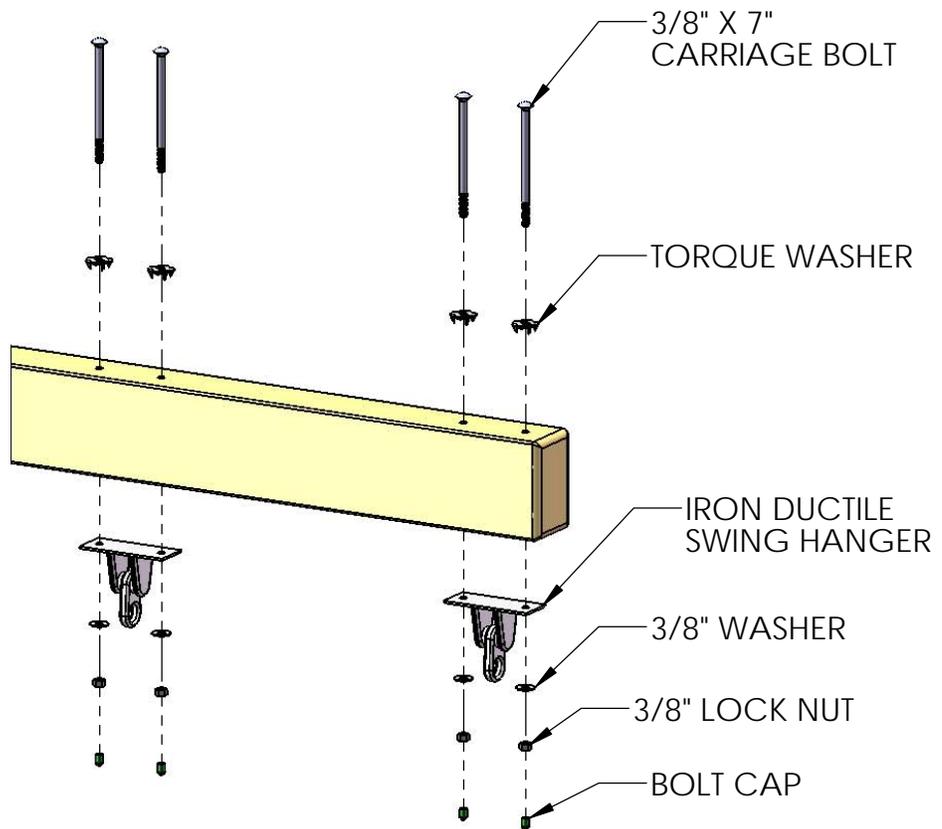
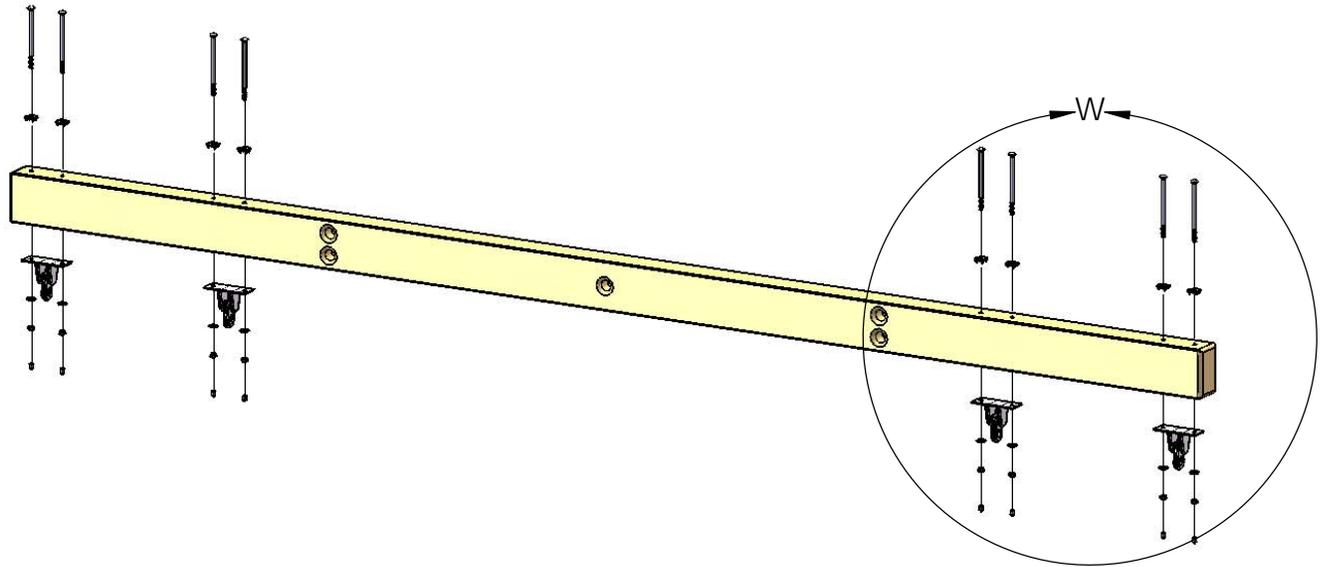
STEP 17: TARP

- 1: LAY THE TARP ACROSS THE CENTER TARP BOARDS AND THE END TARP BOARDS. THE HEMS IN THE TARP SHOULD FACE DOWN AND THE SHINY DOMED SIDE OF THE SNAPS SHOULD FACE UP.
- 2: CENTER THE TARP ACROSS THE BOARDS, AND MARK THE LOCATION OF THE TARP SNAPS WITH A PENCIL.
- 3: PLACE A SNAP SCREW IN THE FRONT LEFT LOWER TARP BOARD IN THE MARK THAT WAS MADE. SNAP THE TARP INTO PLACE IN THIS LOCATION. MOVE TO THE RIGHT SIDE OF THE FORT, AND PLACE A SNAP SCREW IN THE FRONT RIGHT LOWER TARP BOARD IN THE MARK MADE.
- 4: CONTINUE INSTALLING THE TARP SNAPS IN THE SAME FASHION AS THE PREVIOUS STEP, WORKING DOWN THE TARP AND KEEPING IT TIGHT AT ALL TIMES.



STEP 18: SWING HANGERS

1: FASTEN THE IRON DUCTILE SWING HANGERS TO THE SWINGBEAM USING 3/8" X 7" CARRIAGE BOLTS AND TORQUE WASHERS THROUGH THE TOP OF THE SWING BEAM, AND 3/8" LOCK NUTS WITH 3/8" WASHERS FROM UNDERNEATH. COVER ANY EXPOSED THREADS WITH GREEN BOLT CAPS.



DETAIL W
SCALE 1 : 10

STEP 19: SWING BEAM

1: CENTER THE SWINGBEAM TO THE FORT BY LINING UP THE COUNTER-SUNK HOLE AT THE MIDDLE OF THE SWINGBEAM WITH THE MIDDLE OF THE CENTER POST.

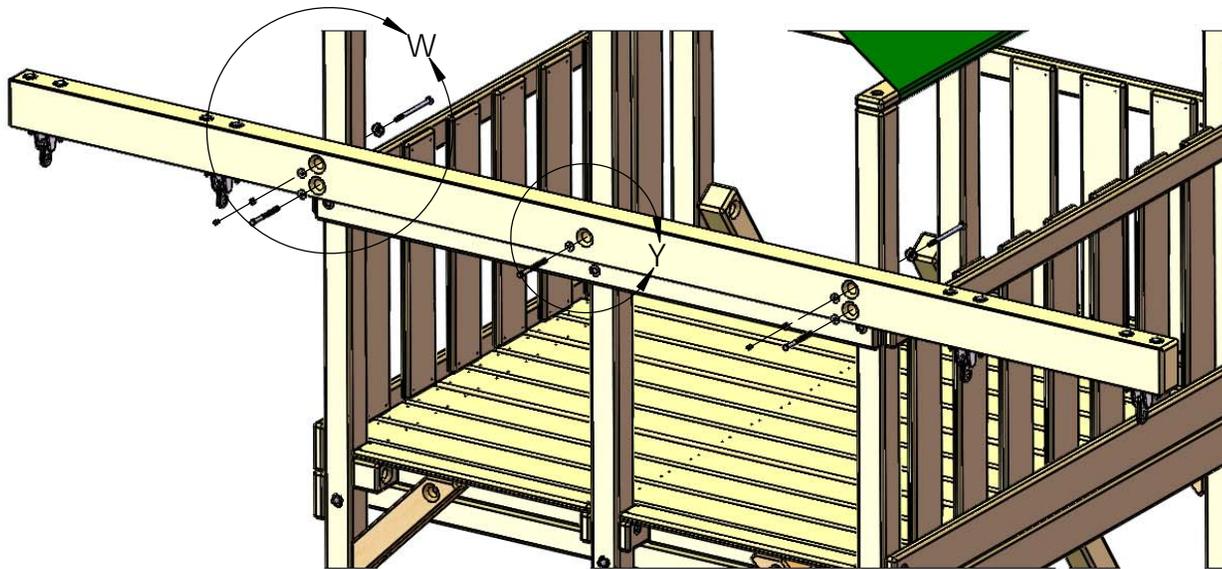
2: FASTEN THE SWINGBEAM TO THE CENTER POST USING A 3/8" X 5" LAG SCREW AND 3/8" WASHER IN THE CENTER HOLE OF THE SWINGBEAM.

3: NOW THAT THE SWING BEAM IS SECURED TO THE FORT; USE THE **TOP HOLES ONLY** ON THE OUTSIDE AS A TEMPLATE, AND DRILL 3/8" PILOT HOLES INTO THE CORNER POSTS OF THE FORT. MOST LIKELY YOUR DRILL BIT WILL NOT GO THROUGH THE CORNER POSTS ALL THE WAY. HOWEVER IF YOUR DRILL BIT DOES GO THROUGH ALL THE WAY THEN SKIP SUB STEP 5.

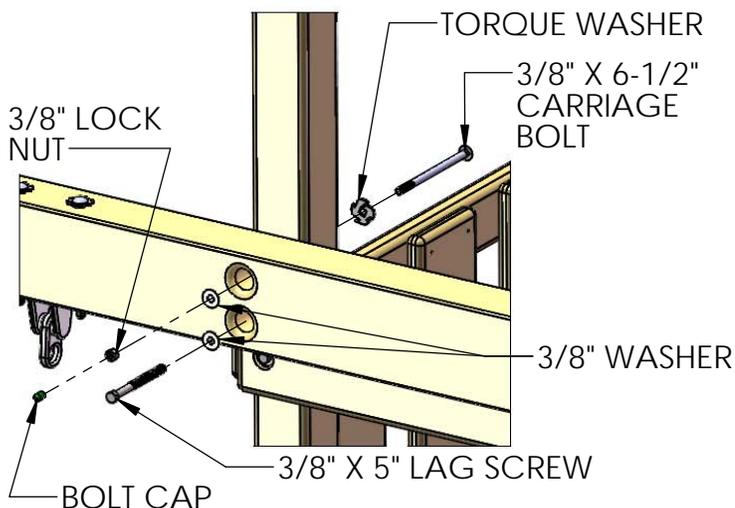
4: REMOVE THE SWING BEAM FROM THE FORT. FINISH DRILLING THE HOLES THROUGH THE CORNER POSTS FROM SUB-STEP 4. REPLACE THE SWING BEAM AND SECURE WITH THE 3/8" X 5" LAG SCREW AND 3/8" WASHER THROUGH THE CENTER HOLE INTO THE CENTER POST.

5: FROM THE INSIDE OF THE FORT; PLACE 6-1/2" CARRIAGE BOLTS WITH TORQUE WASHERS THROUGH THE HOLES YOU DRILLED INTO THE CORNER POSTS. THE CARRIAGE BOLTS WILL COME OUT THROUGH THE TOP COUNTER-SUNK HOLES IN THE SWING BEAM.

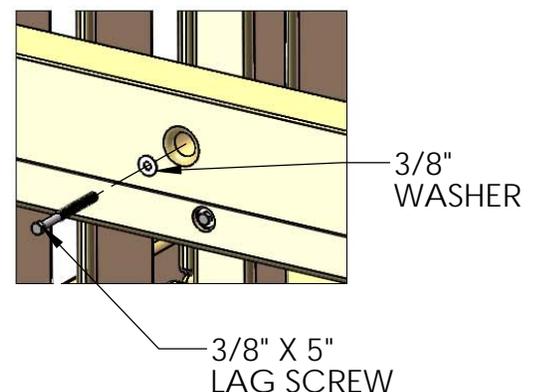
6: SECURE THE SWING BEAM TO THE CORNER POSTS BY USING 3/8" LOCK NUTS WITH 3/8" WASHERS, AND PLACE GREEN BOLT CAPS OVER ANY EXPOSED THREADS ON THE CARRIAGE BOLTS. USE 3/8" X 5" LAG SCREWS WITH 3/8" WASHERS IN THE OUTSIDE LOWER MOUNTING HOLES OF THE SWING BEAM TO FINISH ATTACHING THE SWING BEAM.



DETAIL W
SCALE 1 : 10

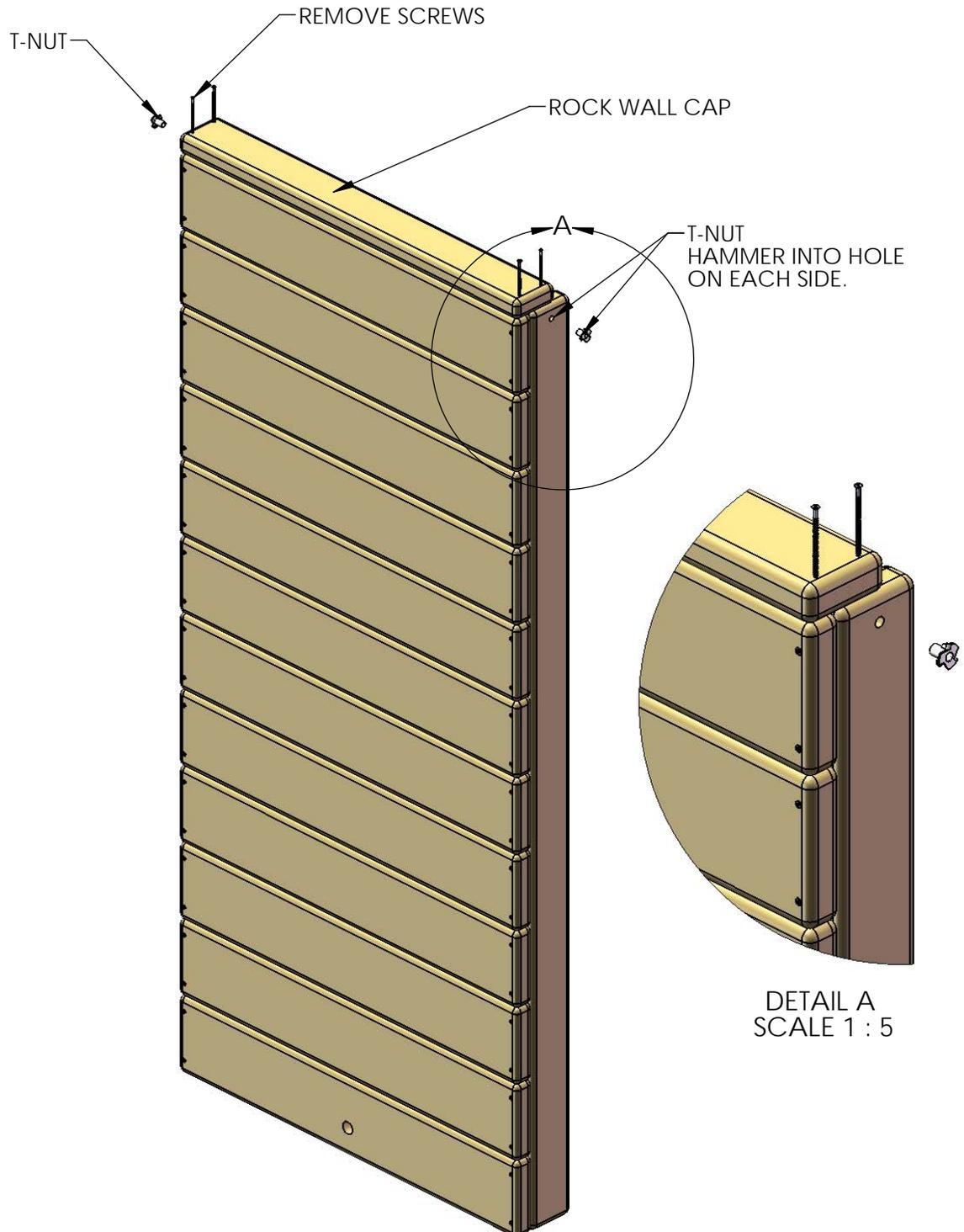


DETAIL Y
SCALE 1 : 9



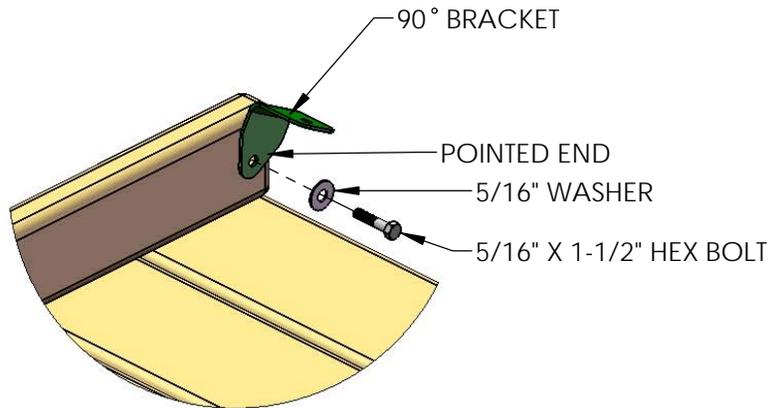
STEP 20: REMOVE ROCK WALL CAP

- 1: HAMMER TWO T-NUTS INTO THE HOLES IN THE ROCK WALL.
- 2: REMOVE THE FOUR SCREWS THAT SECURE THE ROCK WALL CAP TO THE ROCK WALL.
- 3: REMOVE THE ROCK WALL CAP.
- 4: PLACE THE ROCK WALL CAP AND SCREWS IN A SECURE LOCATION TO REINSTALL LATER.

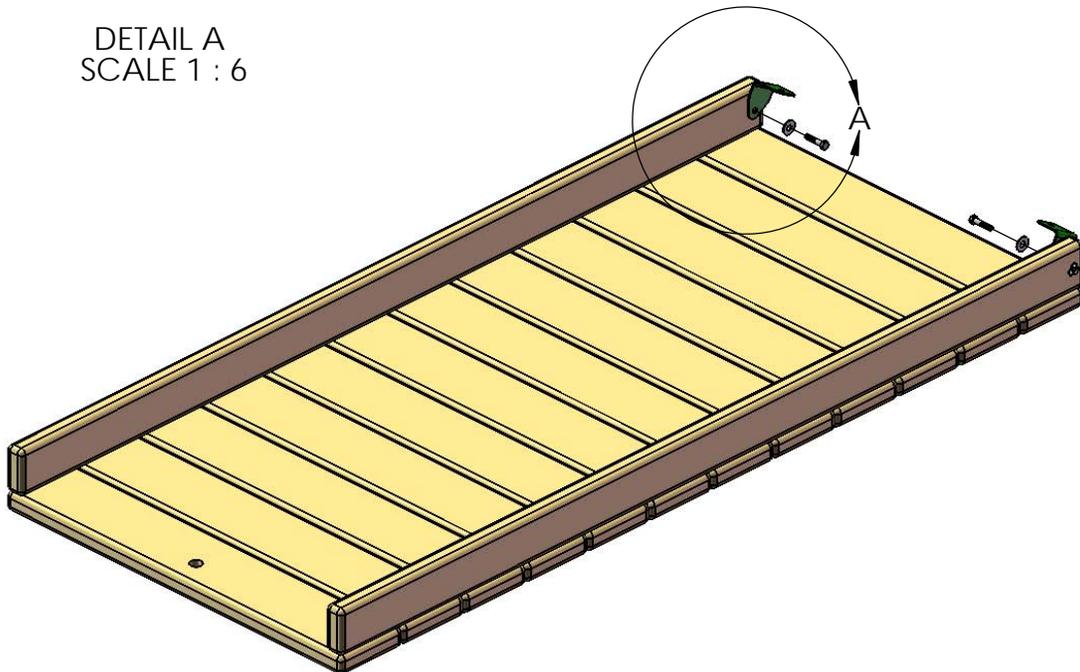


STEP 21: INSTALL BRACKETS

- 1: PLACE A 90° BRACKET ON THE INSIDE OF EACH OF THE ROCK WALL SIDES.
- 2: ATTACH THE POINTED END OF THE BRACKET TO THE LADDER SIDE WITH A 5/16" X 1-1/2" HEX BOLT AND 5/16" WASHER. JUST SNUG THE BOLT DOWN FOR NOW.
- 3: REPEAT FOR THE OTHER SIDE.



DETAIL A
SCALE 1 : 6



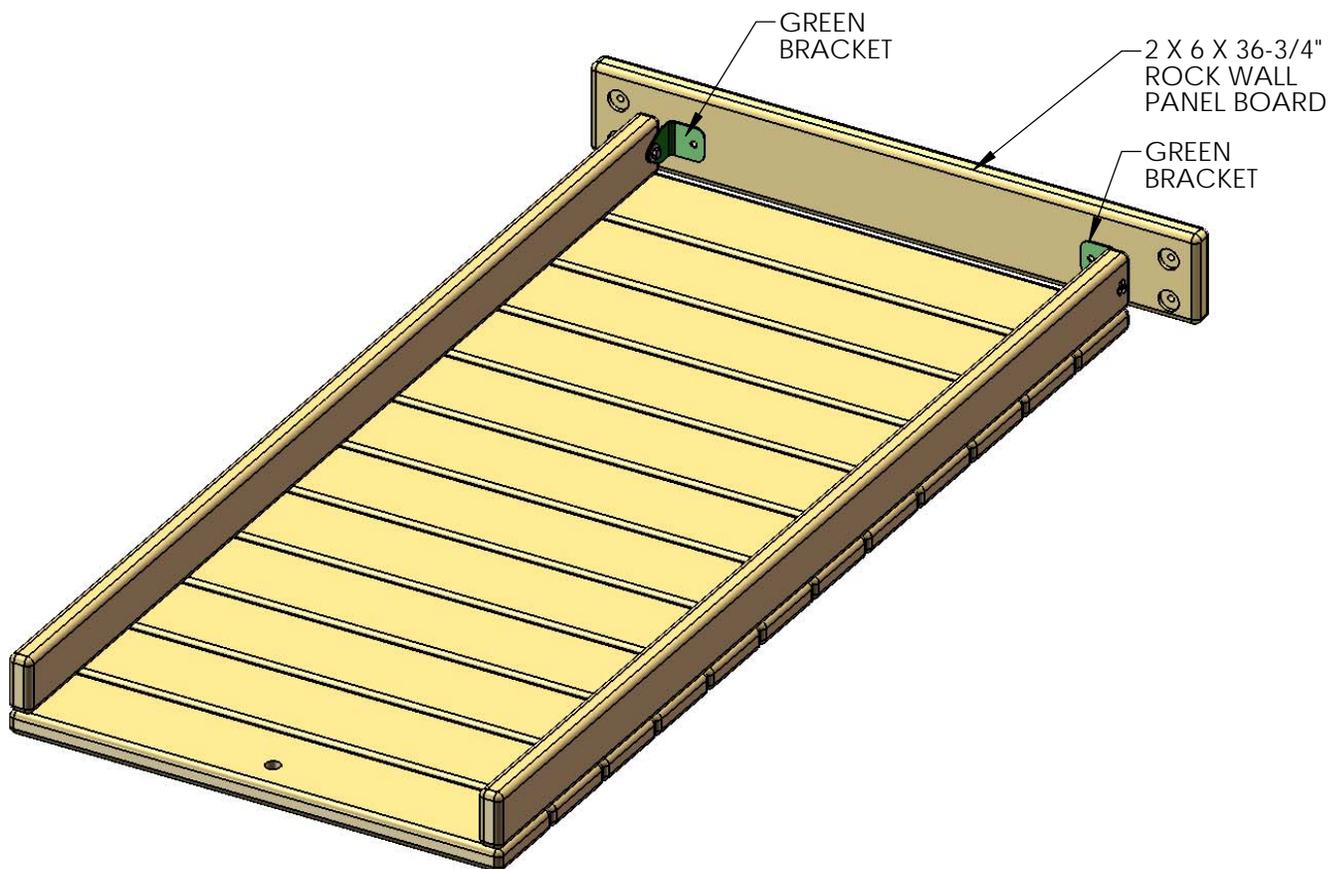
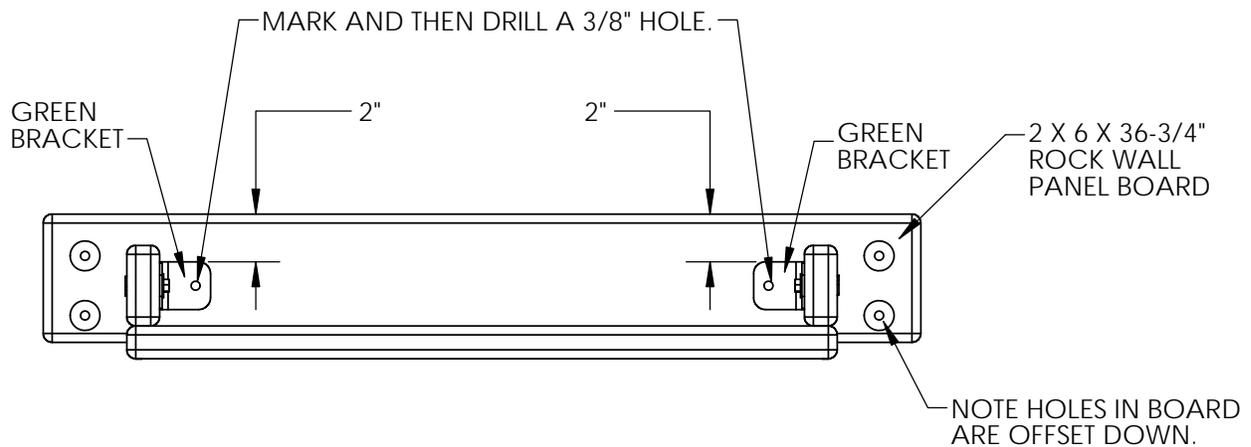
STEP 22: ROCK WALL BRACKET HOLES

1: CENTER THE 2 X 6 X 36-3/4" ROCK WALL PANEL BOARD WITH THE ROCK WALL. NOTE THE 2 X 6 HOLES ARE OFFSET DOWN.

2: MEASURE DOWN 2" ON EACH SIDE WHERE THE GREEN BRACKETS ARE LOCATED AND MAKE A MARK. LINE UP THE TOP EDGE OF THE GREEN BRACKETS WITH THE MARKS. MAKE SURE THE 2 X 6 IS STILL CENTERED WITH THE ROCK WALL.

3: NOW MARK THROUGH THE CENTER OF THE HOLES IN THE GREEN BRACKETS ONTO THE 2 X 6.

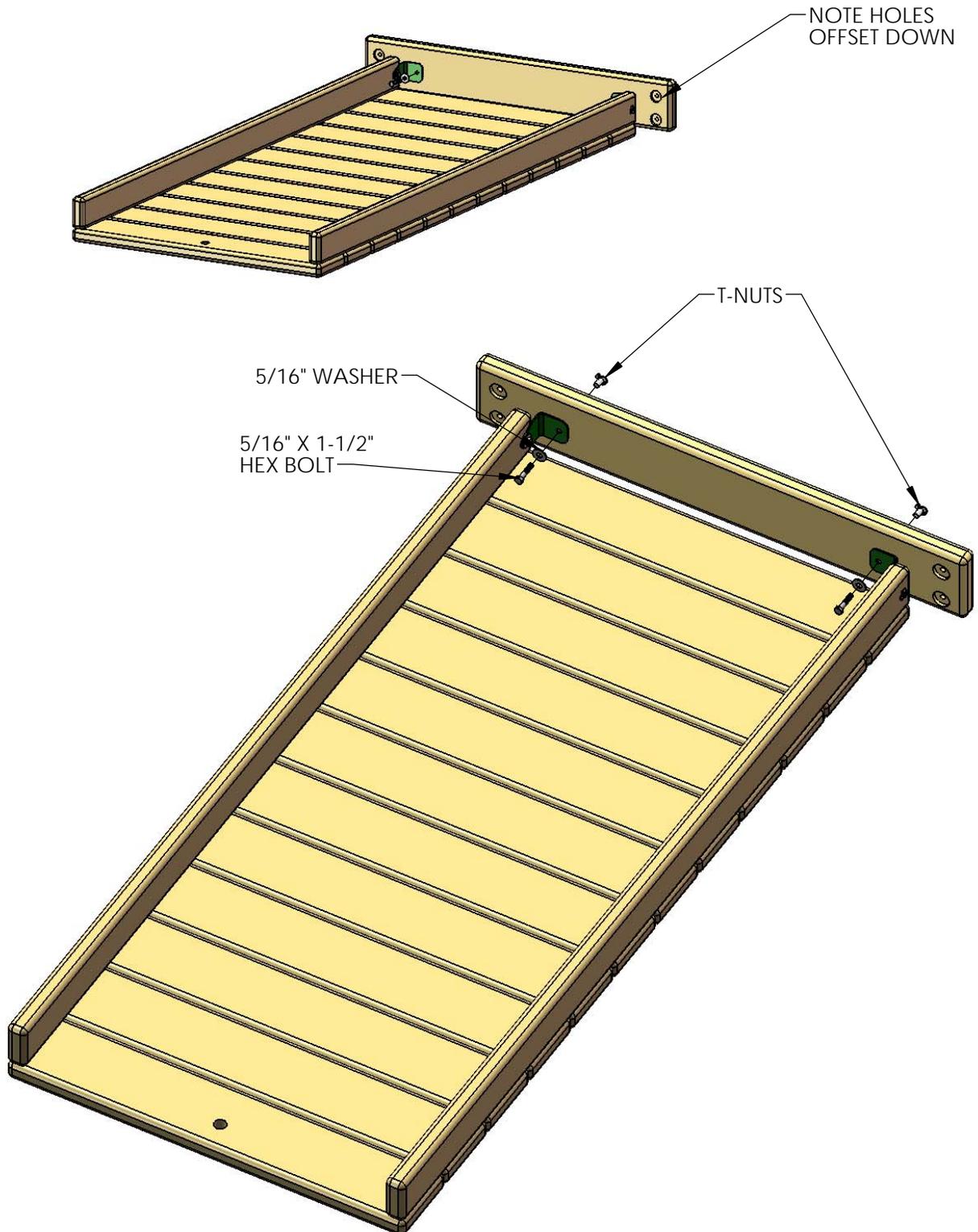
4: PLACE A SCRAP PIECE OF WOOD BENEATH THE 2 X 6 WHERE YOU WILL BE DRILLING HOLES. DRILL A 3/8" HOLE AT EACH MARK THROUGH THE 2 X 6.



STEP 23: ATTACH 2 X 6 TO ROCK WALL

1: HAMMER TWO T-NUTS INTO THE BACK SIDE OF THE 2 X 6 ROCK WALL PANEL BOARD.

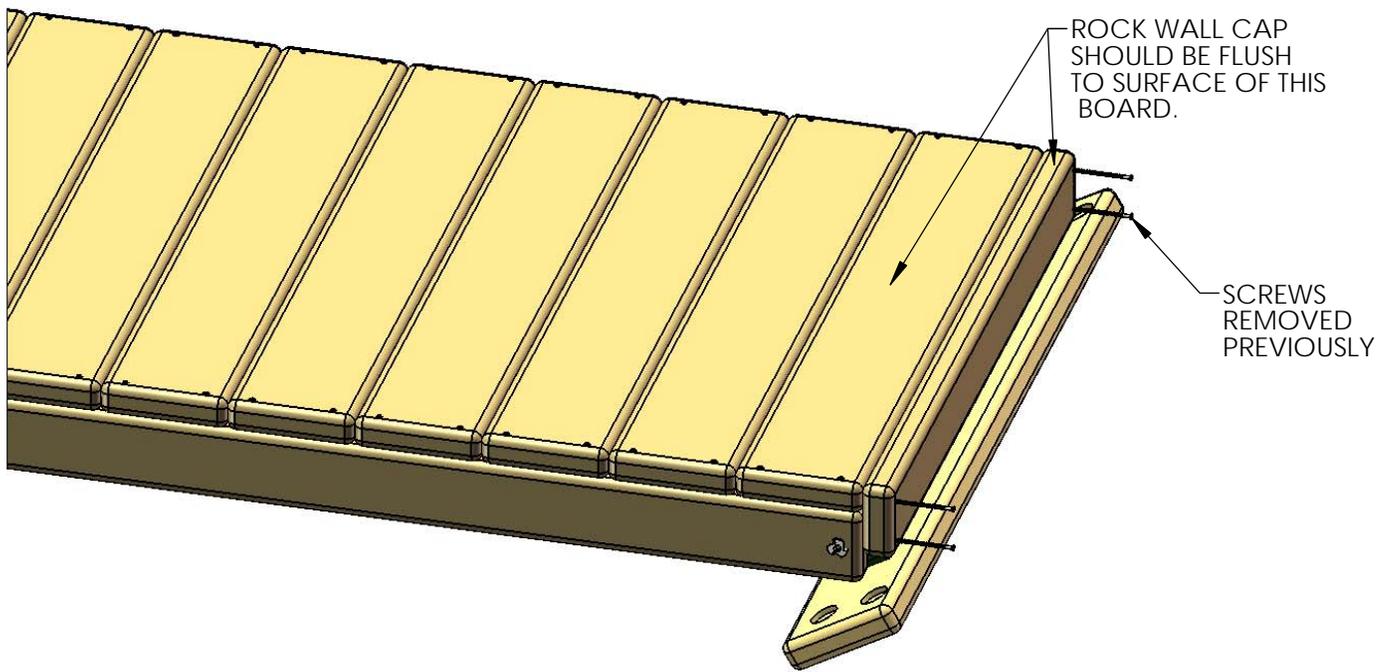
2: FASTEN THE PANEL BOARD TO THE BRACKETS WITH 5/16" X 1-1/2" HEX BOLTS AND 5/16" WASHERS. NOTE THE HOLES SHOULD BE OFFSET DOWN IN THE ROCK WALL PANEL BOARD.



STEP 24: REPLACE ROCK WALL TOP CAP

1: LOCATE THE ROCK WALL TOP CAP AND SCREWS THAT YOU REMOVED PREVIOUSLY.

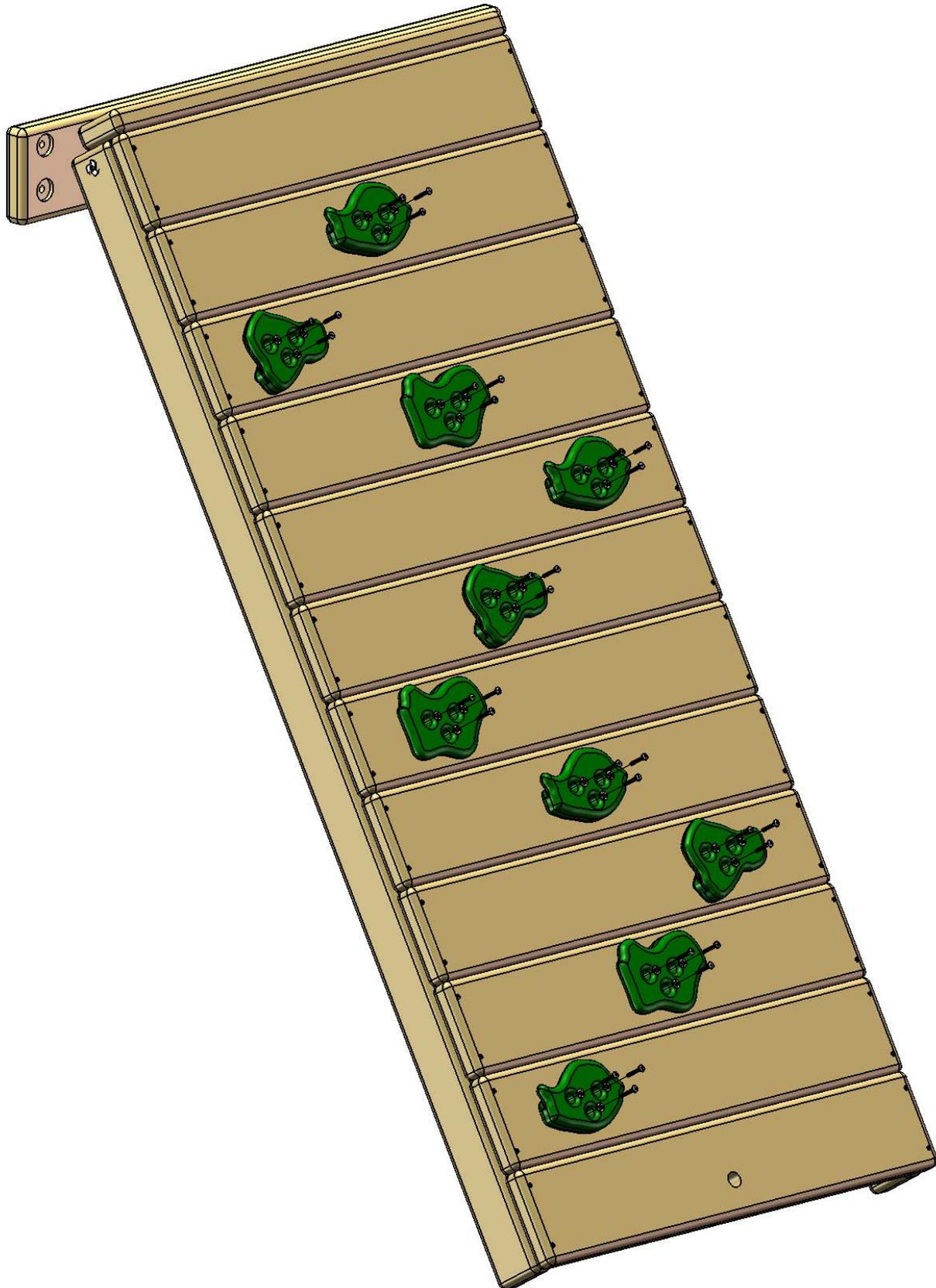
2: FASTEN THE ROCK WALL CAP BACK ONTO THE TOP OF THE ROCK WALL SIDES WITH THE SCREWS YOU REMOVED PREVIOUSLY.



STEP 25: ROCK WALL ROCKS

1: LOCATE TWO ROCK BAGS. INSIDE EACH BAG SHOULD BE 5 ROCKS AND FIFTEEN #14 X 1-1/4" PAN HEAD SCREWS WITH FIFTEEN 1/4" FLAT WASHERS.

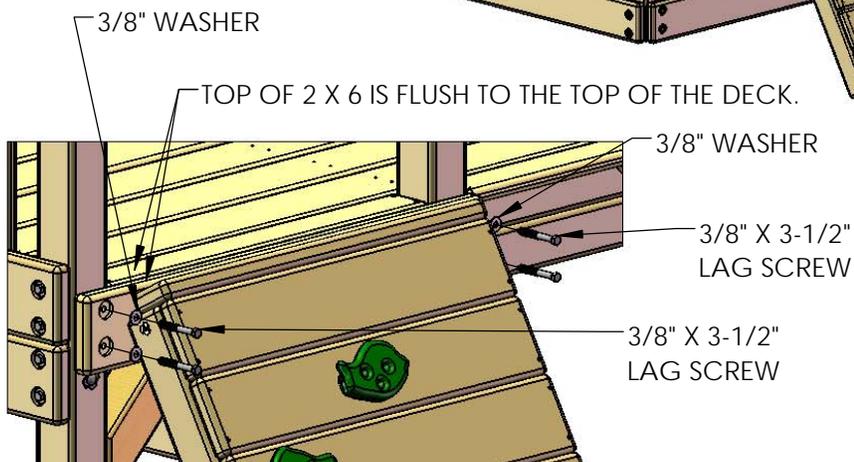
2: PLACE THE ROCKS IN A STAGGERED PATTERN SIMILAR TO WHAT IS SHOWN BELOW. SECURE EACH ROCK TO THE ROCK WALL WITH THREE #14 X 1-1/4" PAN HEAD SCREWS AND THREE 1/4" FLAT WASHERS.



STEP 26: INSTALL ROCK WALL

1: PLACE THE 2 X 6 AGAINST THE CENTER POST AND CORNER POST. THE TOP OF THE 2 X 6 SHOULD BE FLUSH TO THE TOP OF THE DECK.

2: FASTEN THE 2 X 6 TO THE CENTER POST AND CORNER POST WITH 3/8" X 3-1/2" LAG SCREWS AND 3/8" WASHERS.



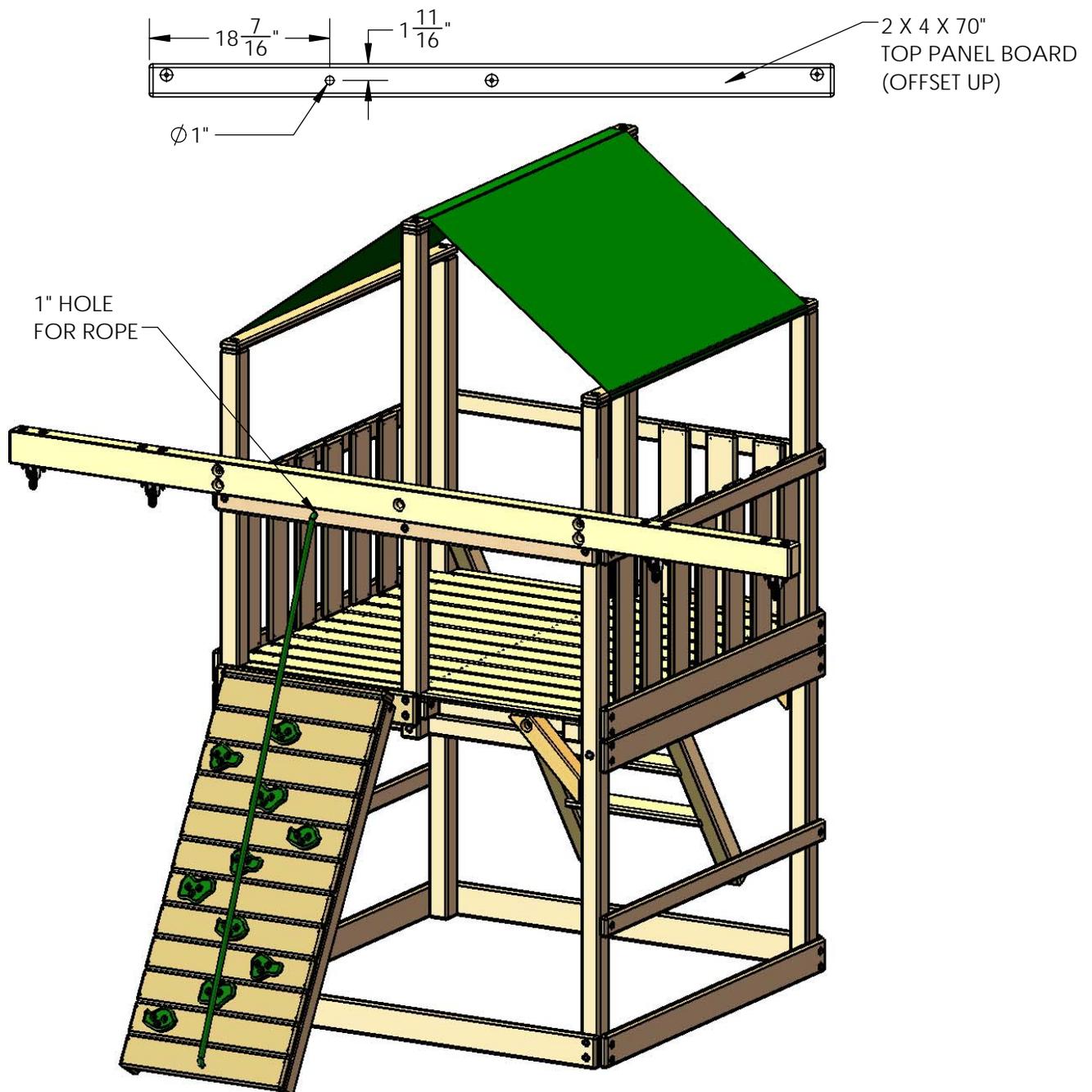
DETAIL A
SCALE 2 : 25

STEP 27: ROCK WALL ROPE

1: DRILLING THE ROPE HOLE. DRILL A 1" HOLE IN THE 2 X 4 X 70" TOP PANEL BOARD ABOVE THE ROCK WALL. (SEE TOP IMAGE BELOW.)

TIP: IF USING A 1" PADDLE STYLE BIT, DRILL THROUGH THE BOARD UNTIL YOU CAN JUST SEE THE TIP OF THE BIT EMERGE FROM THE OTHER SIDE. STOP. THEN GO TO THE OTHER SIDE OF THE BOARD AND PLACE THE TIP WHERE IT EMERGED. COMPLETE DRILLING THE HOLE. THIS METHOD SHOULD ALLOW YOU TO DRILL A CLEAN HOLE THROUGH THE BOARD WITHOUT BLOWING OUT THE BACK OF THE BOARD MAKING BIG SPLINTERS.

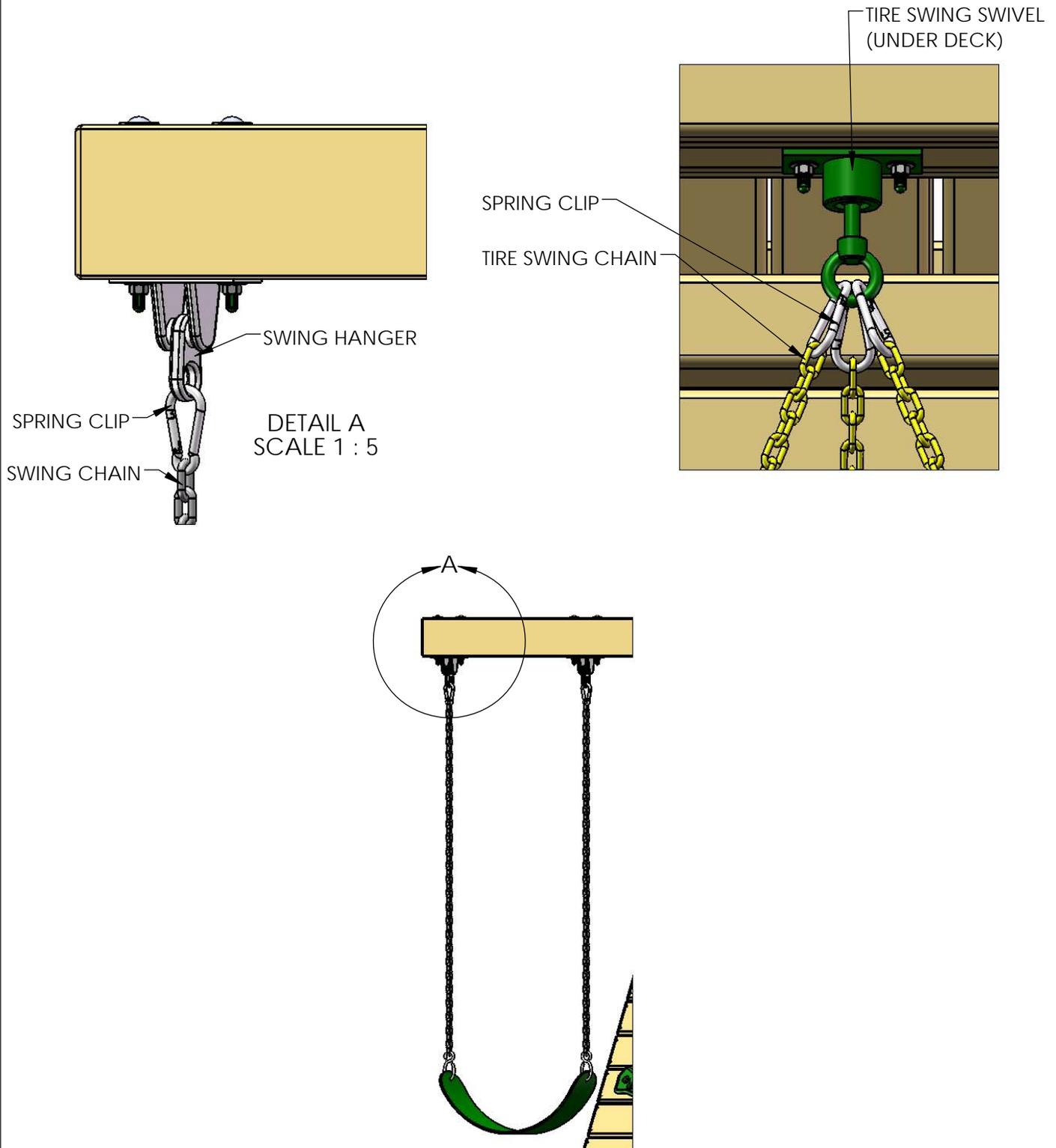
2: THREAD THE ROPE THROUGH THE HOLE YOU JUST DRILLED AND TIE A KNOT ON THE BACK SIDE (INSIDE) OF THE TOP PANEL BOARD. THEN TIE TWO OR THREE KNOTS ALONG THE LENGTH OF THE ROPE TO ASSIST YOUR CHILD WHEN CLIMBING. FINALLY THREAD THE BOTTOM END OF THE ROPE THROUGH THE HOLE IN THE BOTTOM ROCK WALL BOARD. TIE A KNOT ON THE BACK SIDE OF THE ROCK WALL BOARD. TEST THE ROPE FOR SAFETY. IF THE ROPE WRAPS AROUND YOUR HAND IT IS TOO LOOSE. UNTIE ONE END, THEN RETIE IT AND REPEAT THIS TEST UNTIL THE ROPE NO LONGER WRAPS AROUND YOUR HAND.



STEP 28: SWINGS

1: HANG EACH SWING FROM THE IRON DUCTILE SWING HANGERS WITH SPRING CLIPS. CLIP THE CHAINS ON HIGHER OR LOWER LINKS TO ADJUST THE SWING UP OR DOWN.

2: HANG EACH TIRE SWING CHAIN FROM THE TIRE SWIVEL WITH ONE SPRING CLIP. CLIP THE CHAINS ON HIGHER OR LOWER LINKS TO ADJUST THE TIRE SWING UP OR DOWN.

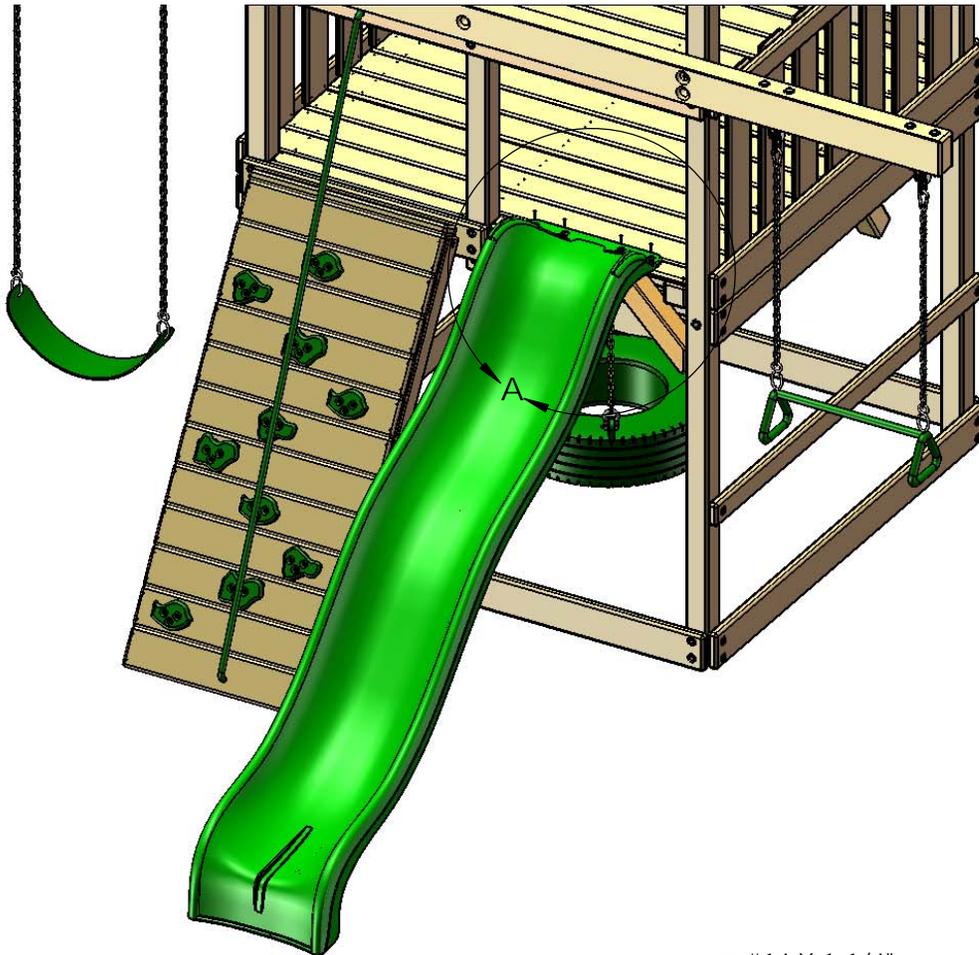


STEP 29: SLIDE

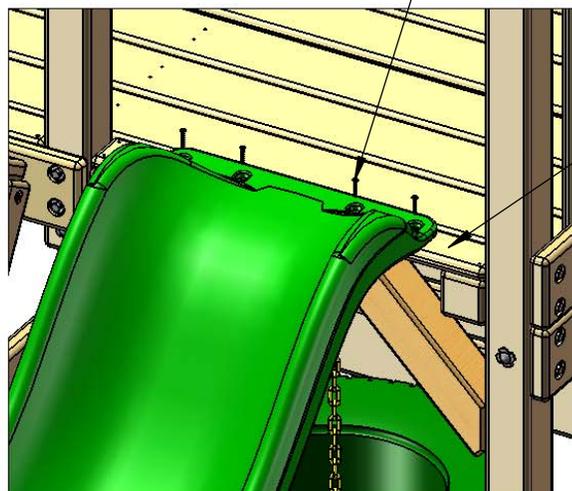
1: CENTER THE SLIDE IN THE FRONT RIGHT OPENING BESIDE THE ROCK WALL.

2: SECURE THE SLIDE TO THE DECK SPACER WITH FOUR #14 X 1-1/4" PAN HEAD SCREWS.

ONCE THE SLIDE IS IN POSITION DO NOT LIFT UP THE END OF THE SLIDE OR YOU MAY PULL IT LOOSE FROM THE DECK SPACER.



#14 X 1-1/4"
PAN HEAD SCREWS



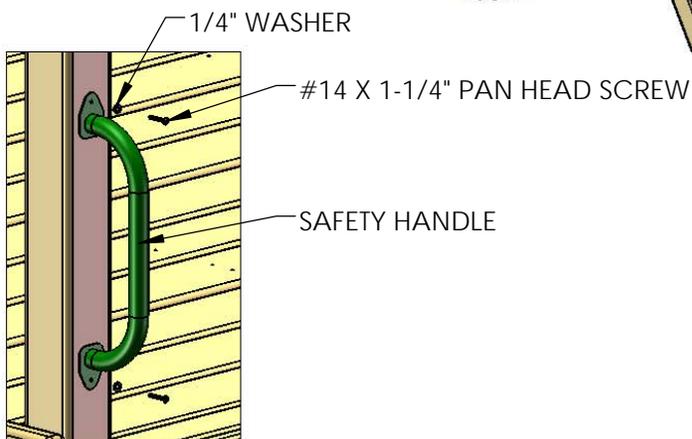
DECK SPACER

DETAIL A
SCALE 2 : 25

STEP 30: SAFETY HANDLES

1: PLACE SAFETY HANDLES ABOVE THE ROCK WALL CENTERED ON THE CORNER AND CENTER POSTS.

2: ATTACH THE SAFETY HANDLES TO THE POSTS WITH #14 X 1-1/4" PAN HEAD SCREWS AND 1/4" WASHERS.



DETAIL A
SCALE 1 : 10

STEP 31: STEERING WHEEL

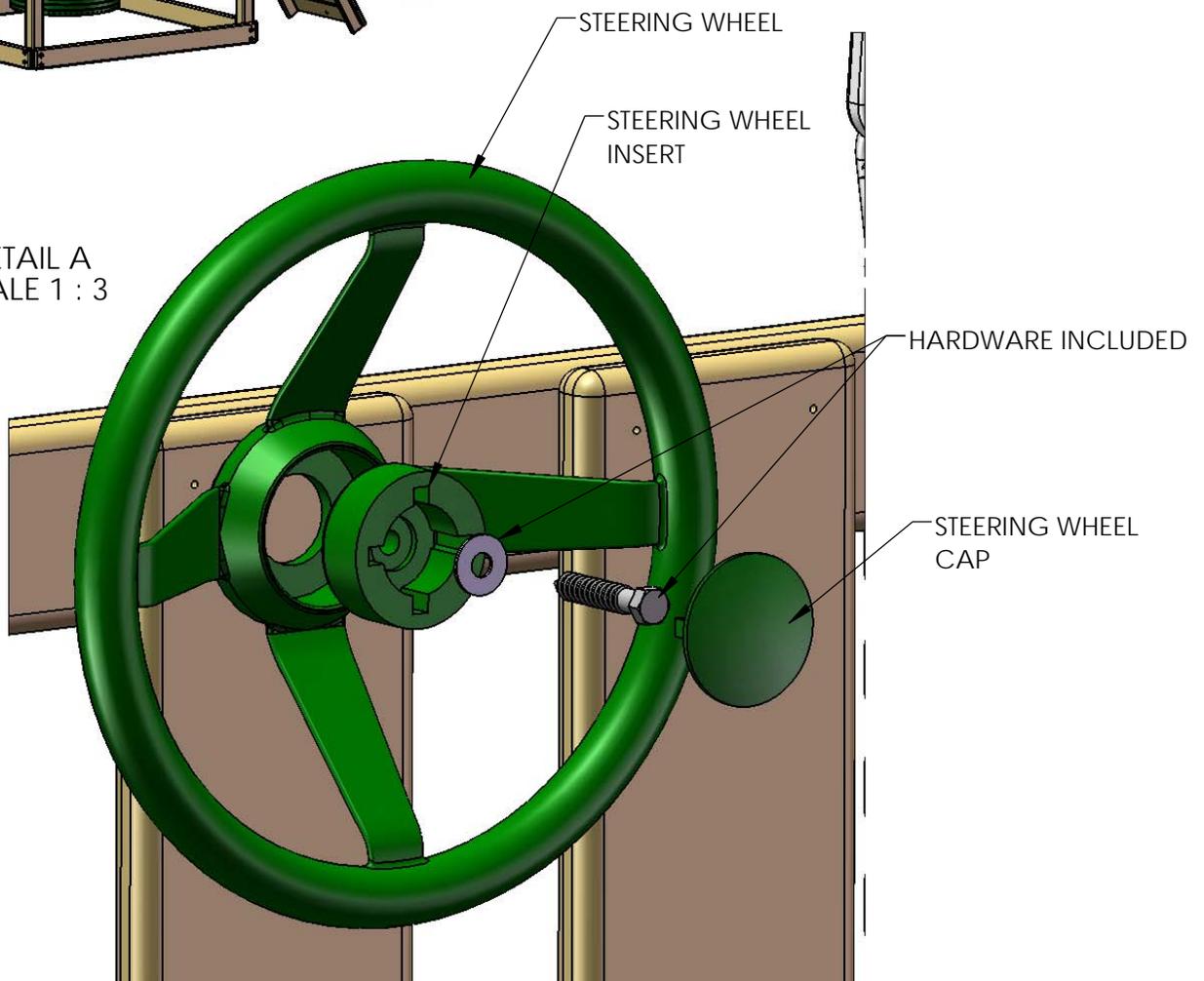
1: PLACE THE STEERING WHEEL INSERT INSIDE THE STEERING WHEEL.

2: USE THE HARDWARE INCLUDED WITH THE STEERING WHEEL TO MOUNT THE STEERING WHEEL TO THE SIDE PANEL AT THE RIGHT SIDE OF THE SET. DO NOT OVER TIGHTEN THE SCREW INTO THE STEERING WHEEL, OR IT WILL NOT TURN.

3: PLACE THE STEERING WHEEL INSERT INSIDE THE STEERING WHEEL AND FASTEN THEM TO THE PANEL. SNAP THE STEERING WHEEL CAP OVER THE STEERING WHEEL INSERT.



DETAIL A
SCALE 1 : 3



STEP 32: TELESCOPE

1: WITH THE 1-1/4" WOOD SCREWS PROVIDED IN THE TELESCOPE BAG, FASTEN ONE OF THE TELESCOPE MOUNTING BRACKETS ONTO THE SIDE PANEL TOP RAIL AT THE LEFT SIDE OF THE SET.

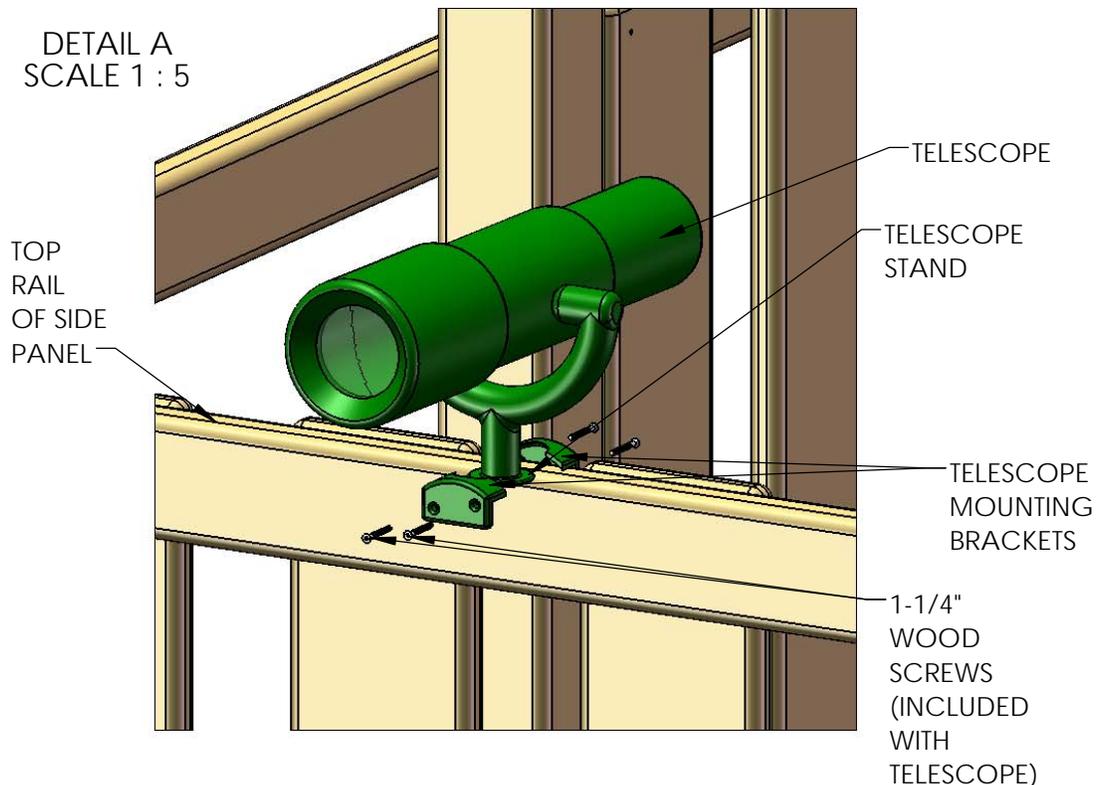
2: PLACE THE TELESCOPE STAND AND TELESCOPE INTO THE SLOT OF THE TELESCOPE MOUNTING BRACKET.

3: FASTEN THE REMAINING TELESCOPE BRACKET TO THE SIDE PANEL TOP RAIL OPPOSITE TO THE FIRST TELESCOPE BRACKET. ATTACH IT WITH 1-1/4" WOOD SCREWS.

NOTE: THE REMAINING "C" SHAPED BRACKETS ARE TO MOUNT THE TELESCOPE TO THE TOP OF A 4 X 4. YOU MAY RECYCLE THEM OR KEEP THEM.



DETAIL A
SCALE 1 : 5



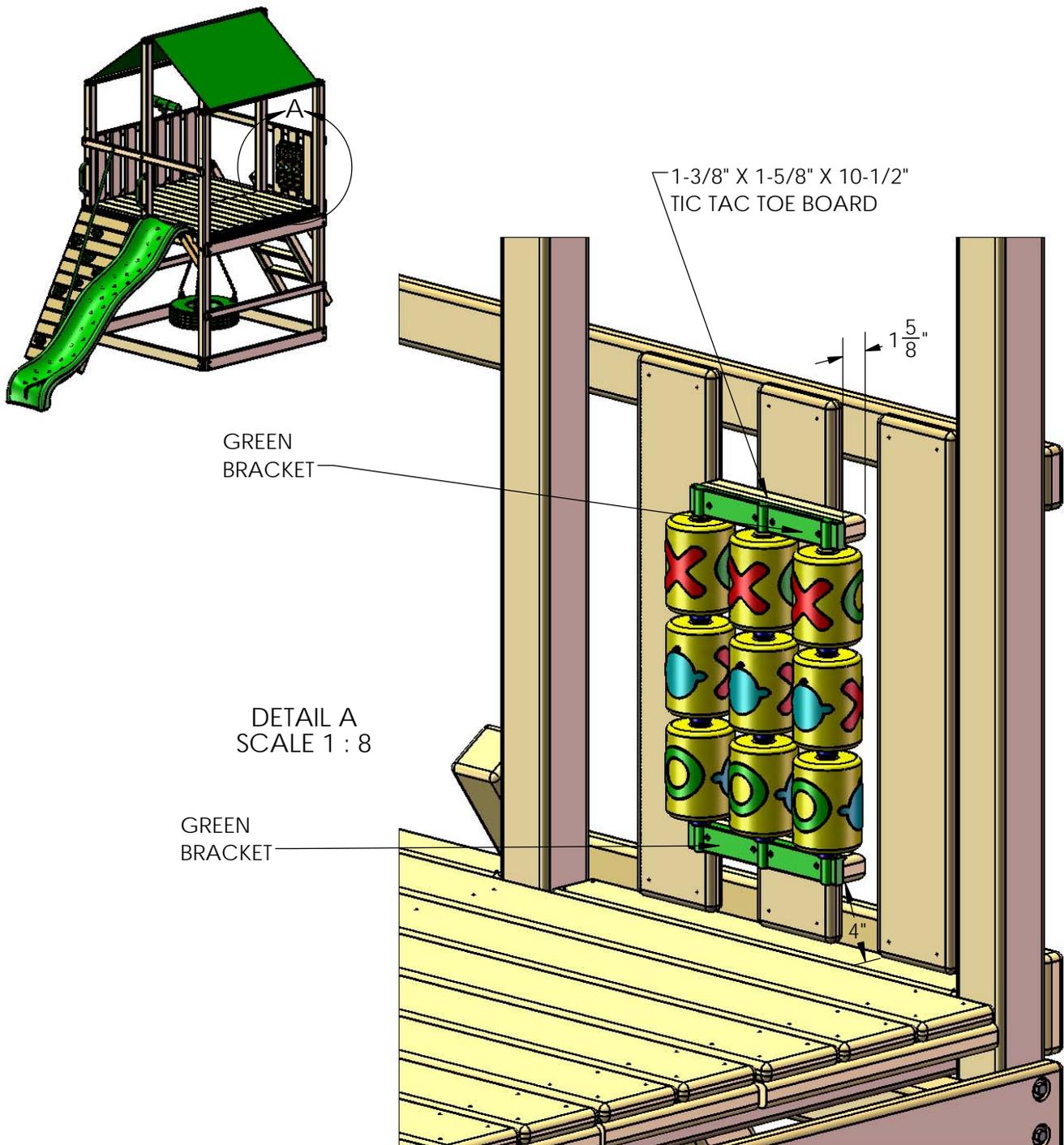
STEP 33: TIC TAC TOE

1: ASSEMBLE THE TIC TAC TOE PANEL ACCORDING TO THE INSTRUCTIONS IN THE BOX. **IGNORE** STEP 6 & 7 IN THE INSTRUCTIONS.

2: ATTACH THE TWO 1-3/8" X 1-5/8" X 10-1/2"L TIC TAC TOE BOARDS TO THE GREEN PLASTIC BRACKETS WITH THE 1" L PHILLIPS HEAD SCREWS PROVIDED IN THE TIC TAC TOE BOX. **IMPORTANT:** MAKE SURE THE TIC TAC TOE BOARD IS MOUNTED TO THE GREEN BRACKET OBSERVING THE 1-5/8" DIMENSION SHOWN BELOW.

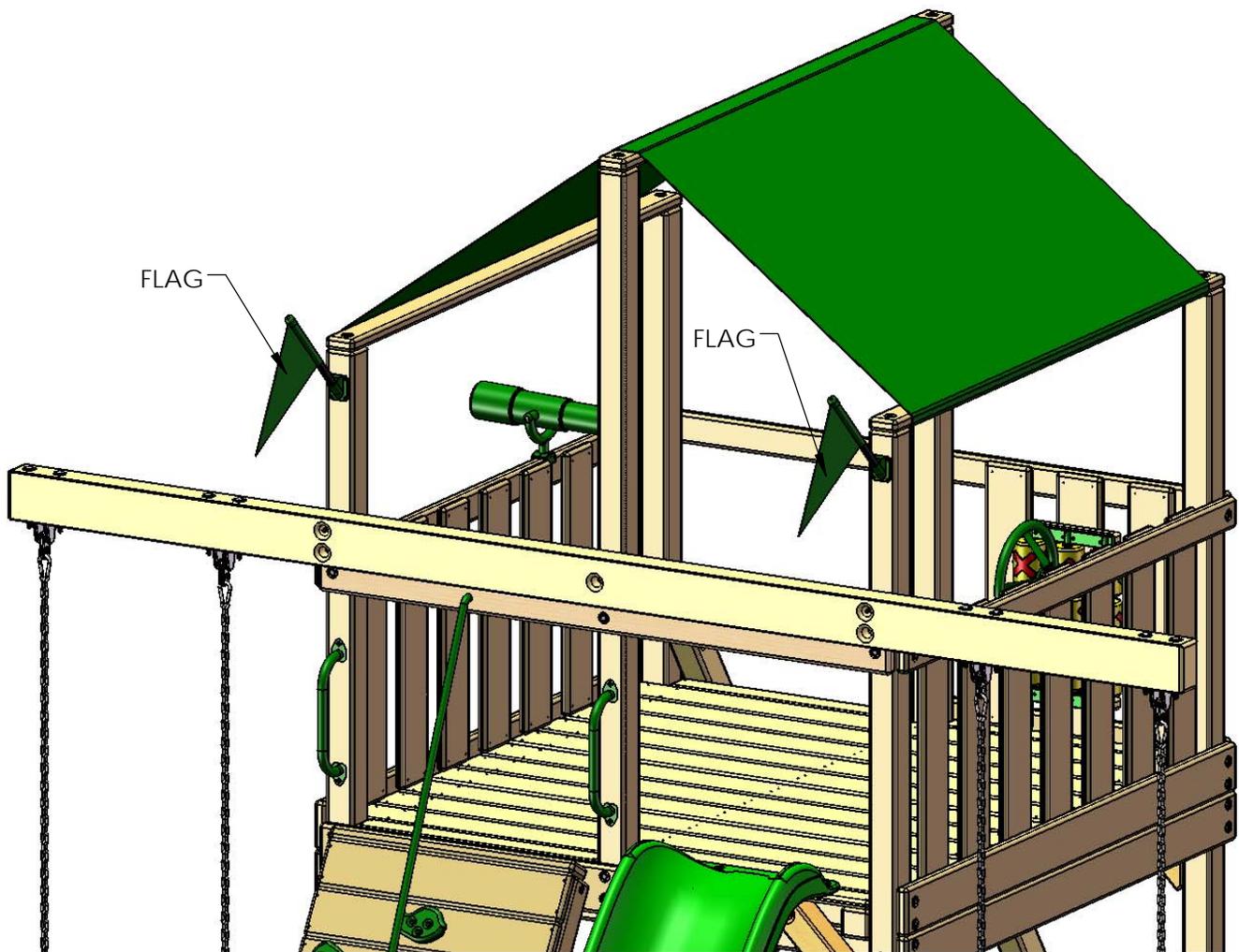
3: PLACE THE UNIT ON THE CENTER PANEL SLAT AS SHOWN.

4: MOUNT THE LOWER TIC TAC TOE BOARD 4" ABOVE THE DECK. ATTACH THE TIC TAC TOE BOARDS TO THE PANEL SLAT FROM THE OUTSIDE OF THE FORT WITH #8 X 2" WOOD SCREWS.



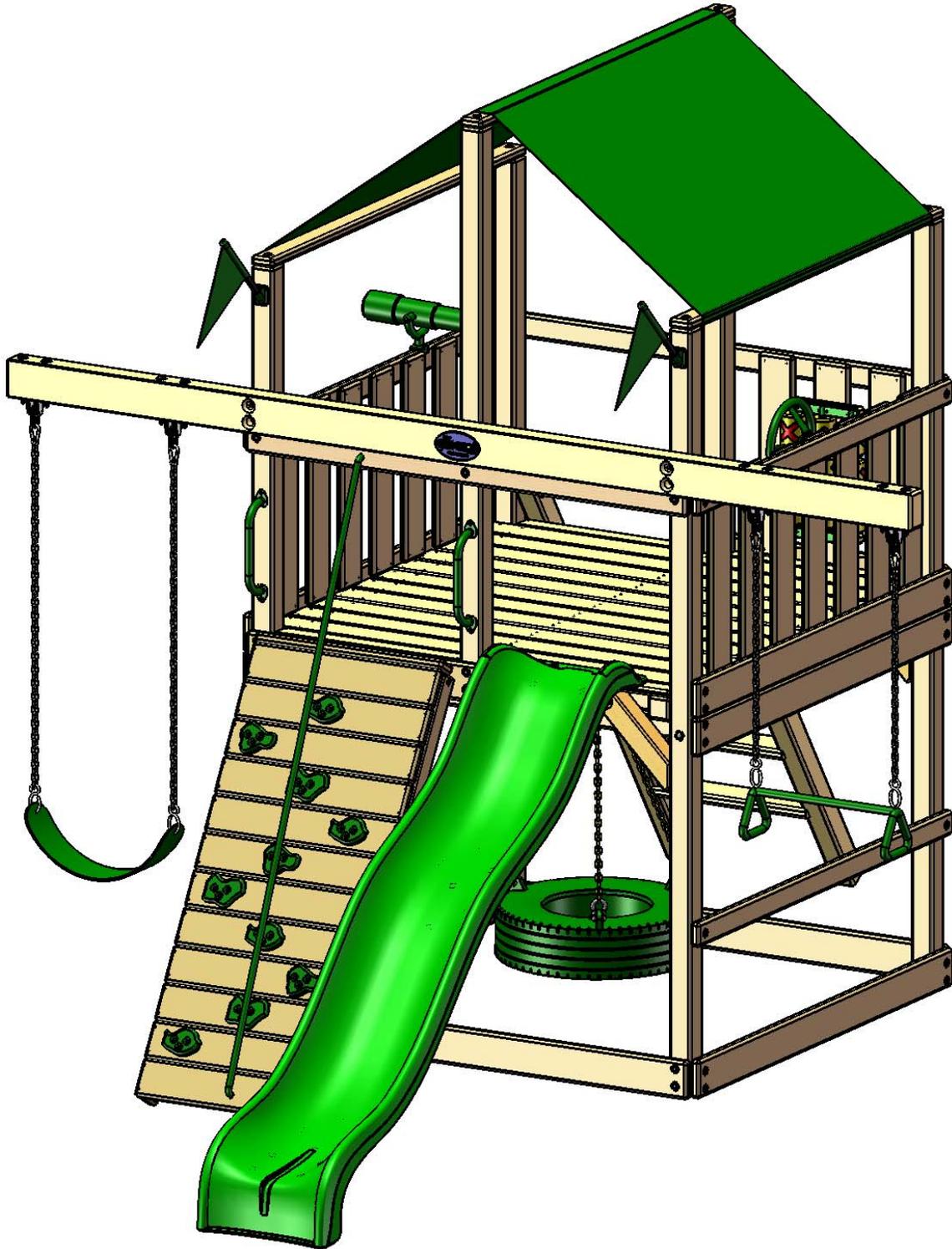
STEP 34: FLAGS

- 1: ONE FLAG WILL BE INSTALLED ON EACH OF THE FRONT CORNER POSTS.
- 2: PLACE THE FLAG CENTERED ON THE POST ABOUT 2" DOWN FROM THE TOP OF THE POST.
- 3: USE THE 1/2" LONG PHILLIPS HEAD SCREWS PROVIDED WITH THE FLAGS TO ATTACH THEM TO THE CORNER POSTS.



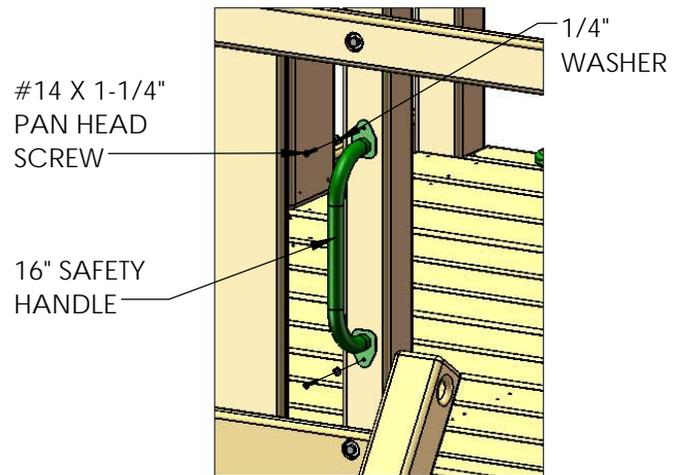
STEP 35: NAME PLATE

- 1: PLACE THE NAME PLATE CENTERED ON THE FRONT OF THE SWING BEAM.
- 2: FASTEN THE NAME PLATE TO THE SWING BEAM WITH TWO #8 X 1-1/2" WOOD SCREWS.

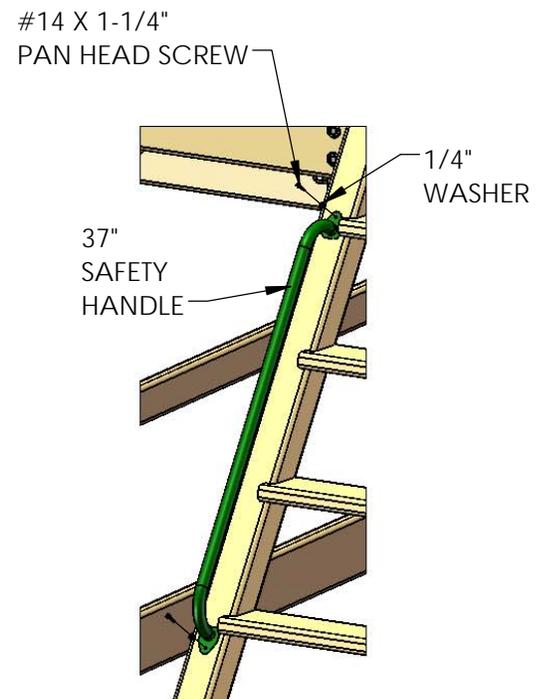


STEP 36: SAFETY HANDLES

- 1: PLACE THE SMALL 16" SAFETY HANDLES ON THE CENTER AND LEFT REAR CORNER POSTS.
- 2: FASTEN THE HANDLES WITH #14 X 1-1/4" PAN HEAD SCREWS AND 1/4" WASHERS.
- 3: PLACE THE LARGE 37" SAFETY HANDLES ON TOP OF THE LADDER SIDES.
- 4: FASTEN THE HANDLES WITH #14 X 1-1/4" PAN HEAD SCREWS AND 1/4" WASHERS.



DETAIL A
SCALE 1 : 12



DETAIL B
SCALE 1 : 16