



Colossal Kingdom Elite

ASSEMBLY MANUAL

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



IMPORTANT – PLEASE READ

As fresh lumber acclimates to its new environment, the natural tendencies of the tree can show itself 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.

Cosmetic defects that do not affect the structural integrity of the product, or natural defects of wood such as warping, checking or any other physical properties of wood that do not present a safety hazard, are not covered by this warranty. Defects that develop because the product is exposed to extreme climate conditions are not covered by this warranty. Defects that develop as a result of faulty or improper installation of the product are also not covered by this warranty.

Most cracks are not warrantable, however if you believe that the integrity of your play set is compromised by this natural occurrence, please follow the warranty claim procedure found at www.playnation.com. Click on the “Customer Care” tab on the left hand side of the page, then click on “Warranty Claim” and follow the instructions.

We appreciate your purchase and know that you will enjoy your play system for many years to come.

IF YOU HAVE MISSING OR DAMAGED PARTS OR NEED ASSISTANCE ASSEMBLING, PLEASE CALL PlayNation Play Systems, Inc. MANUFACTURING DIRECT.(800) 445-7529 FACTORY HOURS – MON.–FRI., 8AM-5PM EST DO NOT RETURN THIS PRODUCT TO THE RETAILER OR CONTACT THE RETAILER DIRECT. THE RETAILER DOES NOT STOCK COMPONENTS. PLEASE RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE. KEEP THEM IN A SAFE PLACE WHERE YOU CAN REFER TO THEM AS NEEDED.

CONTACT INFO:

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Canton, GA 30114
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custsrv@playnation.com

Check for revised instructions at www.playnation.com/instructions.html

Thank you for choosing PlayNation Play Systems, Inc.

We've included everything you need, except tools, to build your very own professional looking play set. When complete, your new play set should far exceed the quality of play set kits from other build-your-own companies. Our engineers and design team have over 30 years of playground experience. What we've developed is a play set that doesn't compromise quality for simplicity. Yet you'll appreciate how quick and easy construction really is! Our play set kits are designed for children ages 3 to 11. PlayNation Play Systems, Inc. believes every child should have a play set and with our kits they can! You can rest assured your new play set is safe, durable and designed to hold up to the elements. As parents ourselves, we know how important the security and well-being of our children is, and this shows in all of our products.

Each play set features our step-by-step 3D illustrated manual, patented powder coated swing beam bracket, heavy-duty swing belts with chains, slide(s), accessories, plus all the required hardware and pre-milled lumber.

Limited Manufacturers Warranty

PlayNation Play Systems, Inc. (“PlayNation”) warrants its play sets to be free from defects in workmanship and materials, under normal use and conditions for the lifetime of the product for structural wood components and for two years for all other components (e.g., 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.

Cosmetic defects or natural defects of wood (e.g., warping, seasonal checking or cracking, knots, or knot holes, etc.) that do not affect the structural integrity of the product are not covered by this warranty. Defects that develop because the product is exposed to extreme climate conditions, excessive water exposure, lumber that has been damaged by wood boring bees, or defects that develop as a result of faulty or improper installation of the product, are not covered by this warranty. Fading, discoloration or molding of any wood part or accessory, 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 properly maintain the play set. Instructions for proper maintenance can be found on PlayNation’s website. Imperfections or defects that develop because of a failure to properly maintain the play set are not covered by this warranty.

PlayNation will repair or, at its discretion, replace any 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. 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 or institutional setting. This warranty does not cover (a) products that have been damaged by acts of God, negligence, misuse, or accident, or that have been modified or repaired by unauthorized persons; (b) the cost of labor; or (c) the cost of shipping the product, any part, or any replacement product or part.

PLAYNATION DISCLAIMS ALL OTHER REPRESENTATIONS AND WARRANTIES OF ANY KIND, EXPRESS, 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 valid only in the United States of America, is nontransferable 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 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 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 Play Systems

- FORT PLATFORMS: 800 LBS. TOTAL WEIGHT
- SWING BELTS: 225 LBS.
- GLIDER SWINGS: 70 LBS. PER CHILD. UP TO 140 LBS. TOTAL WEIGHT.
- TRAPEZE: 125 LBS.
- FULL BUCKET SWING: 50 LBS.
- HALF BUCKET SWING: 50 LBS.
- INFANT SWING: 35 LBS.
- TIRE SWING: 125 LBS. TOTAL WEIGHT
- ROPE LADDER: 75 LBS.
- ROCK WALL: 150 LBS.
- SUPER SCOOP SLIDE: 250 LBS.
- SUPER TUBE SLIDE: 250 LBS.
- MONKEY BARS: 125 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.

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 525 pounds on the swing area, for a total unit capacity of 7 occupants who have a combined weight of 1325. (this weight is not including the picnic table area)
- 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.
- Parents should have 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.
- Teach children to never crawl on top of a fort roof.
- Verify that any suspended climbing ropes, chains, or cables are secured at both ends.
- Verify climbing ropes are tight enough that they cannot be wrapped 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.

WARNING: Children must NOT use this play set until unit has been completely assembled and inspected by an adult to insure set has been properly installed.

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 frequently 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.
- 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 PlayNation 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 CRF Part 1303.
- 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.
- Rake the playground surface periodically to prevent compaction and maintain appropriate depths.
- 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 unit 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/cpsc/pub/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 such as the types and depths shown in the table.

Fall Heights and Recommended 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.

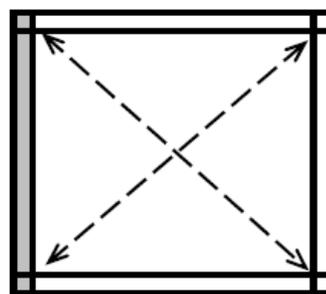
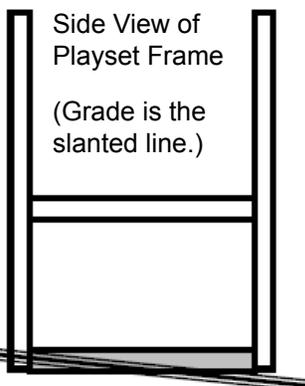
2. Fall Zones - A fall zone, covered with a protective surfacing material, is essential under and around equipment where a child might fall. This area should be free of other equipment and obstacles onto which a child might fall. Stationary climbing equipment and slides should have a fall zone extending 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 diagonally 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.



Top View of Playset Frame showing diagonal measurements.

THE DIAGONAL MEASUREMENTS SHOULD BE THE SAME FROM CORNER POST TO CORNER POST. IF NOT, ADJUST FORT 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 PlayNation Playsets 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 more clearly 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.
- Check all bolt connections and swing hangers seasonally.
- Place the set on level ground, not less than 6ft 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 to 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 to how to offset these parts.

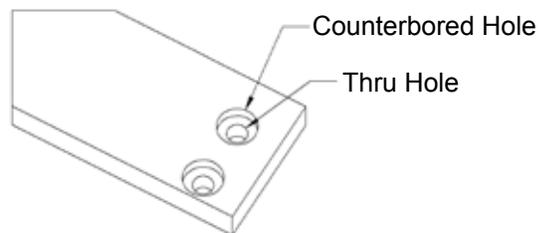
EXAMPLE OF OFFSET HOLES UP



EXAMPLE OF OFFSET HOLES DOWN



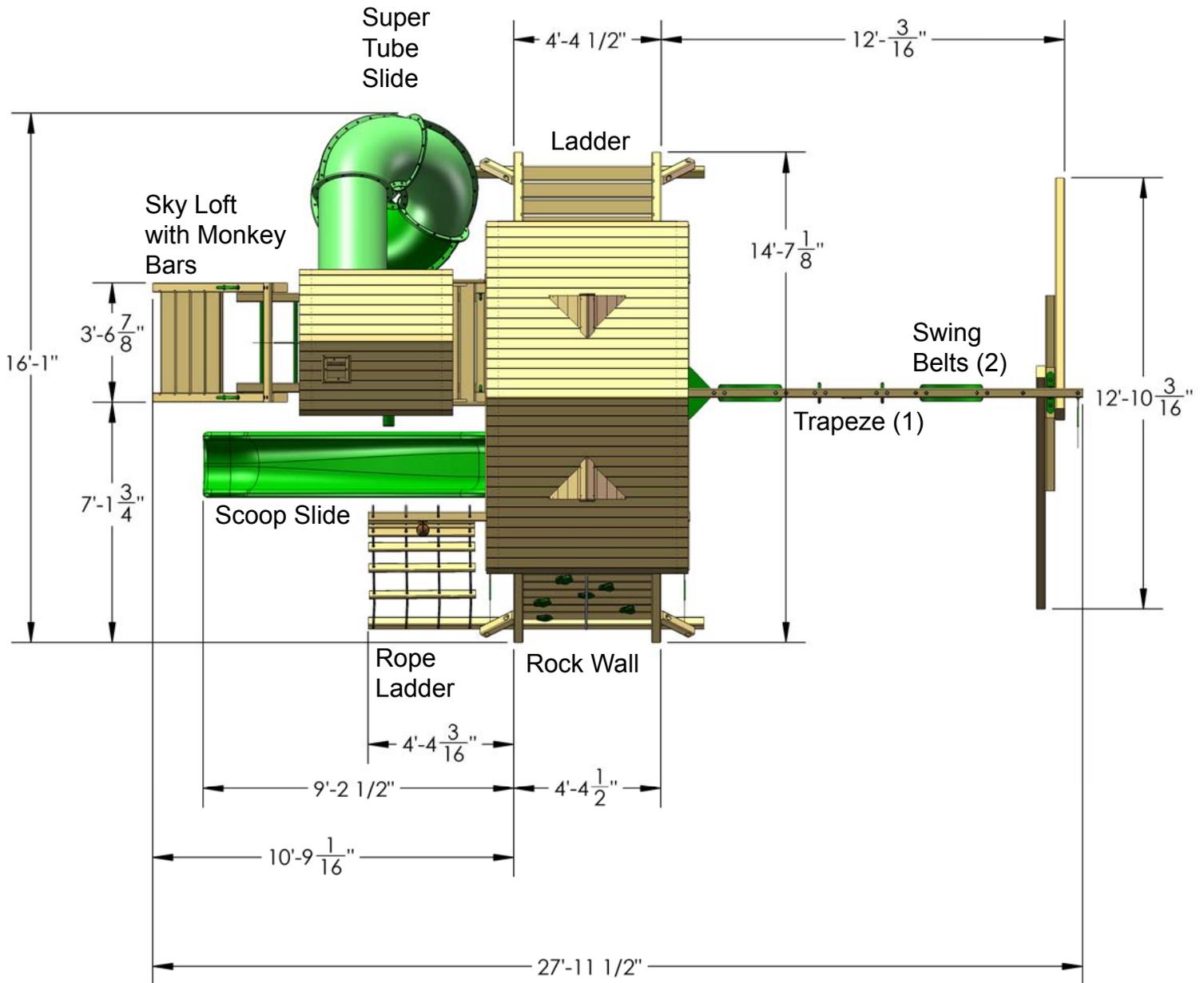
Counterbored holes- Many of the parts that will be used have counterbored holes. A counterbored hole is one that surrounds one side of a thru hole, but does not extend through the wood itself. When using a counterbored hole the bolt will be inserted through the thru hole. In some cases the bolt head with a washer will occupy the counterbored hole. In other cases a nut with a washer will occupy the counterbored 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 necessary to tap the head of the lag screw with a hammer. You should also be sure to tighten the lag screws completely. Power tools such as an impact wrench or power drill should have enough torque to drive the lag screws without using a hammer, but make sure not to over tighten as this can cause the threads to “strip out” in the post.

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

SITE PLAN:



Playset height: 14 feet - 2 inches

Swing Beam height to top: 8 feet - 9-3/4 inches

Main Deck height: 6 feet - 3/8 inches

Sky Loft Deck height: 8 feet - 1-7/8 inches

Approximate assembly time: 16 to 20 hours

6 foot unobstructed safety perimeter around playset recommended



REQUIRED TOOL LIST:

- ___ Standard or Cordless Drill w/ Phillips Bit (#2 square bit provided)
- ___ 1/8" Drill Bit
- ___ 3/8" Drill 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:

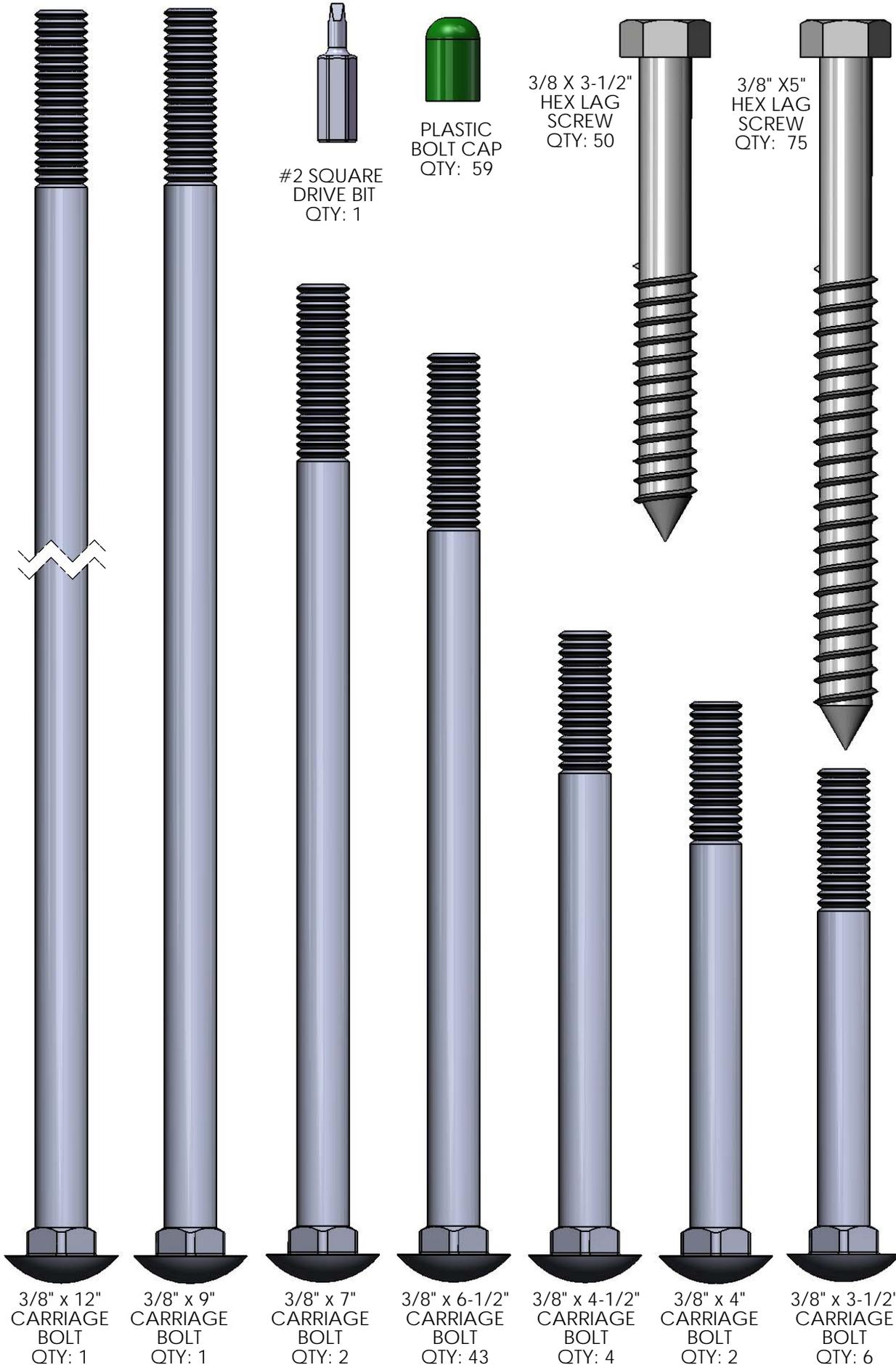
- ___ (Qty) Description
- ___ (2) Swingbelts w/ Chains
- ___ (1) Trapeze w/ Chains
- ___ (3 pkg) Rock Wall Grips - package of 5 (assorted colors)
- ___ (12ft) Rock Wall Rope
- ___ (7) Safety Handle - Metal
- ___ (1 pr) Safety Handle - Plastic
- ___ (1) Tire Swing with swivel
- ___ (1) Deluxe Rope Ladder
- ___ (1) Super Scoop Slide
- ___ (1) Super Tube Slide with additional elbow section
- ___ (2) Flag Kit
- ___ (1) Tic Tac Toe Panel
- ___ (1) Steering Wheel
- ___ (1) Telescope
- ___ (1) Dinner Bell

Fort and Swing Beam Hardware:

See following pages

Wood Components:

See following pages



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.



#14 X 1-1/4"
PAN HEAD SCREW
QTY: 17

#8 X 1-1/2"
WOOD SCREW
QTY: 270



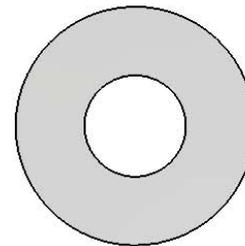
#8 X 2"
WOOD SCREW
QTY: 126



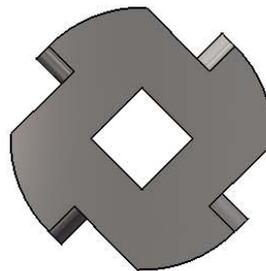
#8 X 2-1/2"
WOOD SCREW
QTY: 112



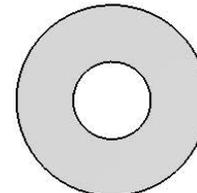
#8 X 3"
WOOD SCREW
QTY: 12



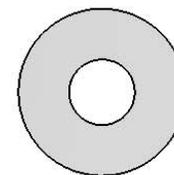
1/2" WASHER
QTY: 3



TORQUE WASHER
QTY: 50



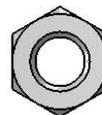
3/8" WASHER
QTY: 184



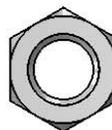
5/16" WASHER
QTY: 50



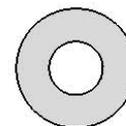
5/16 X 1"
HEX BOLT
QTY: 25



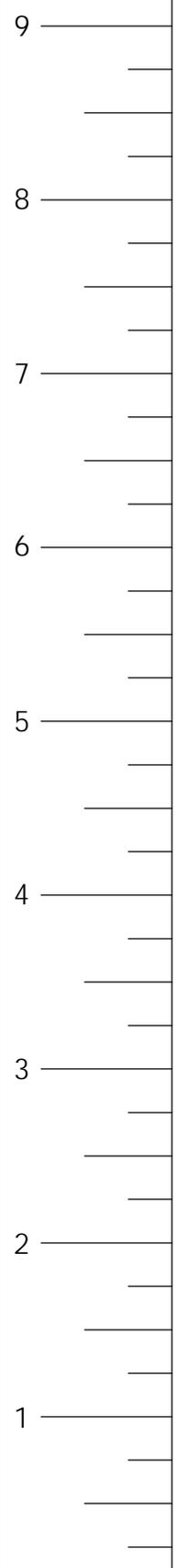
5/16" LOCK NUT
QTY: 25



3/8" LOCK NUT
QTY: 59



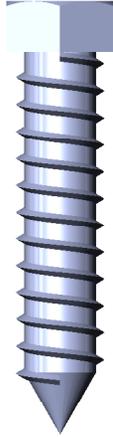
1/4" WASHER
QTY: 14



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.

SUPER TUBE SLIDE HARDWARE
PLAYNATION PART NUMBER: 11-2021

3/8" X 2"
HEX LAG SCREW
QTY: 9



5/16" LOCK NUT
QTY: 77



5/16" LOCK
WASHER
QTY: 7



3/8" WASHER
QTY: 9



5/16" X 3/4"
HEX BOLT
QTY: 7



5/16" X 1"
HEX BOLT
QTY: 84



5/16" WASHER
QTY: 162

9

8

7

6

5

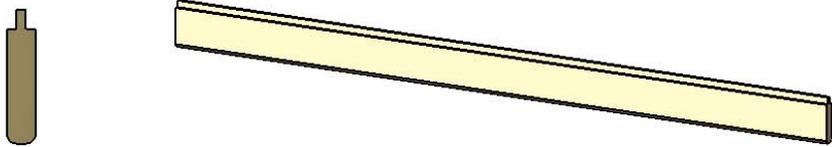
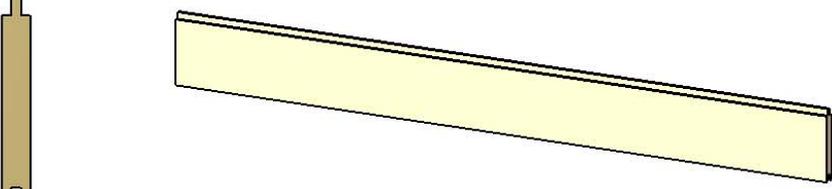
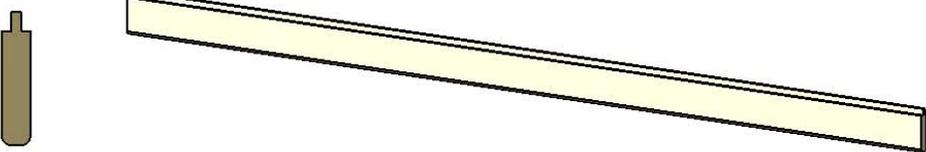
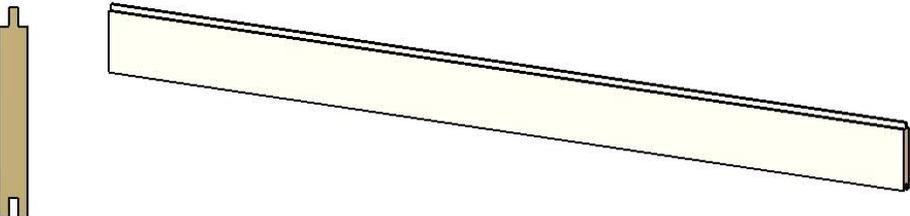
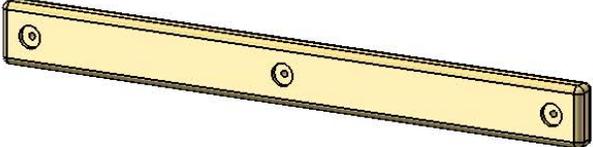
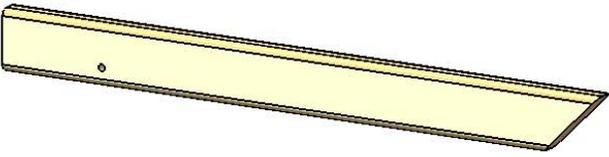
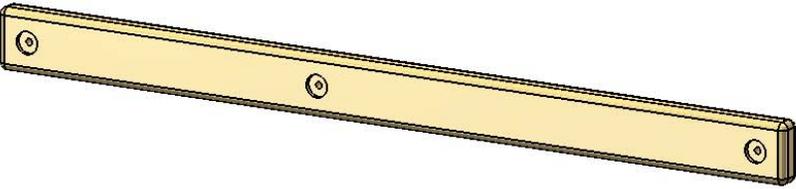
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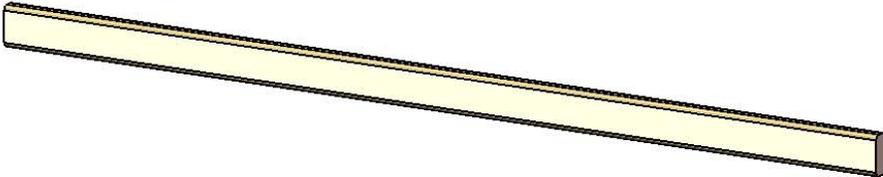
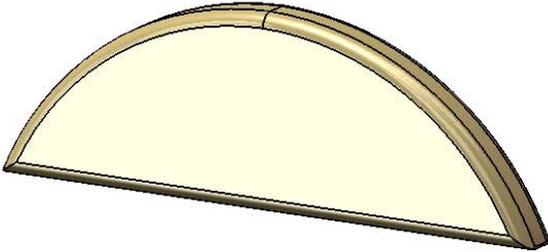
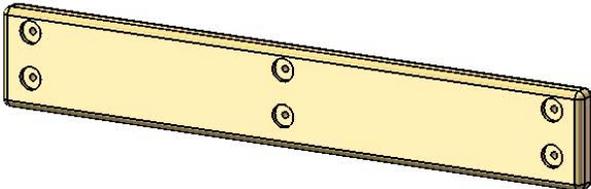
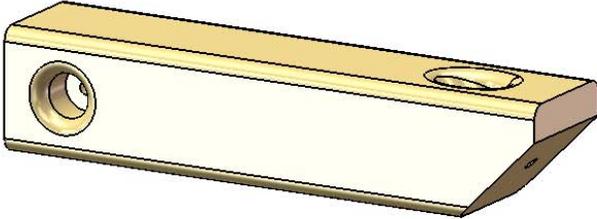
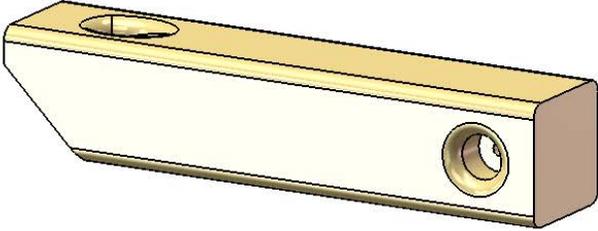
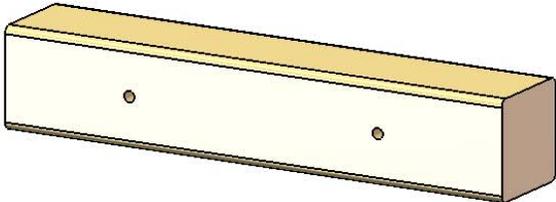
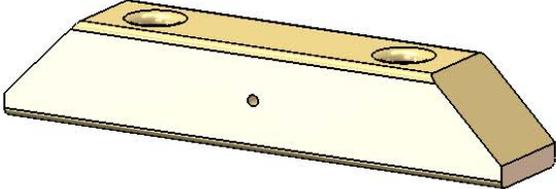
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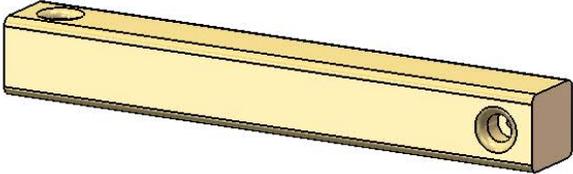
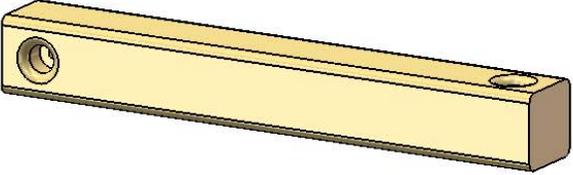
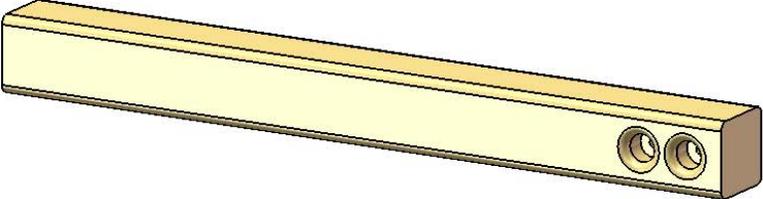
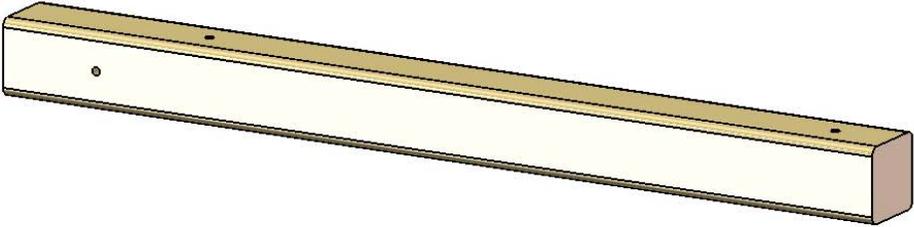
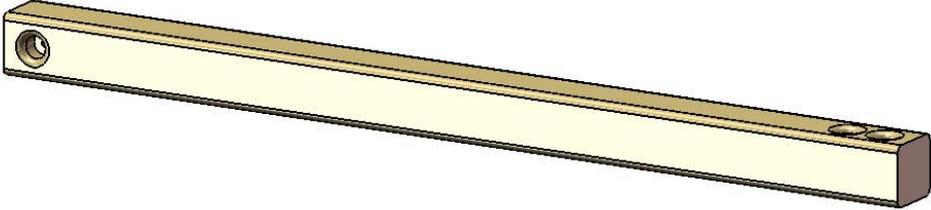
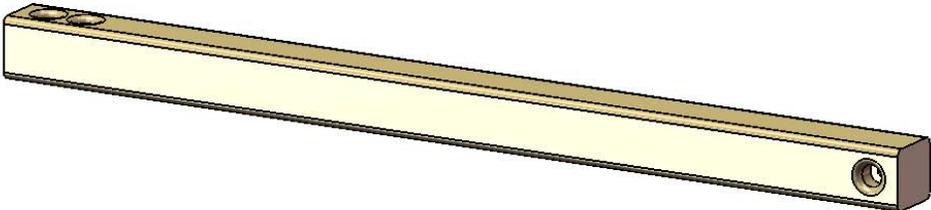
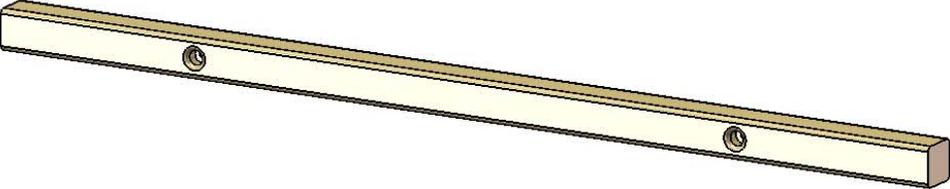
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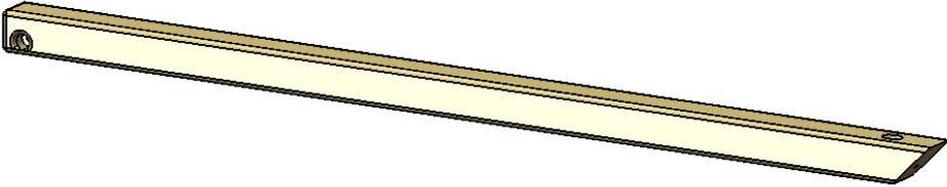
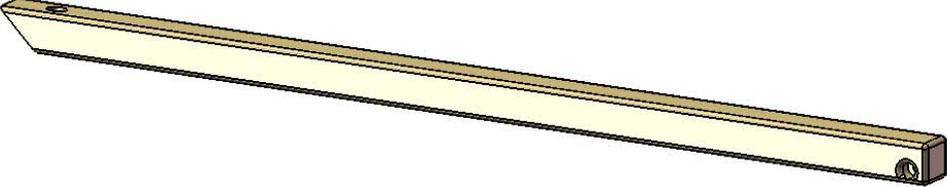
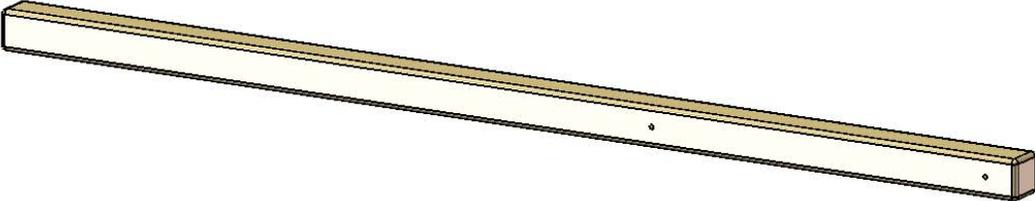
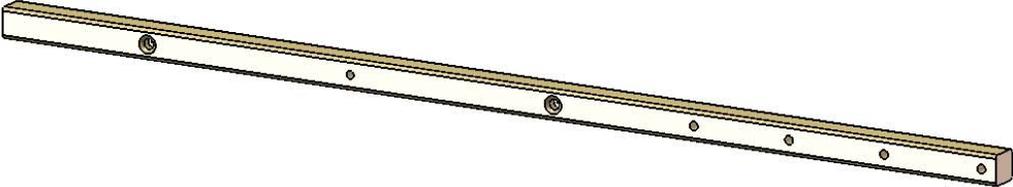
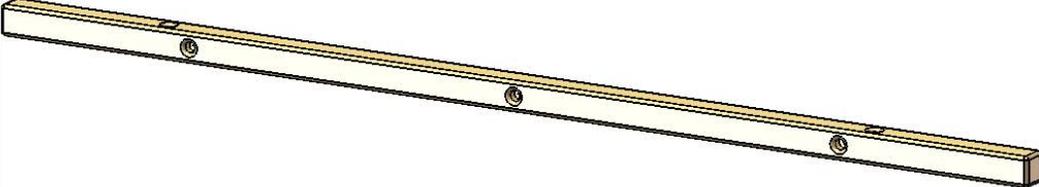
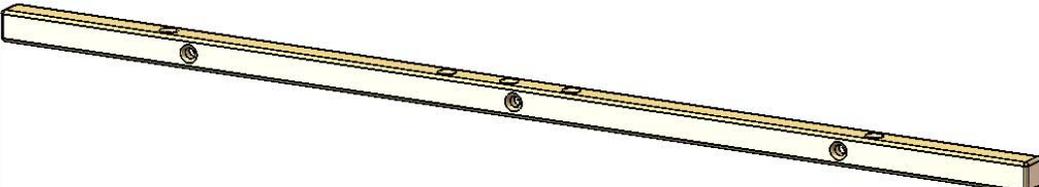
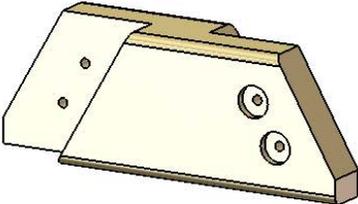
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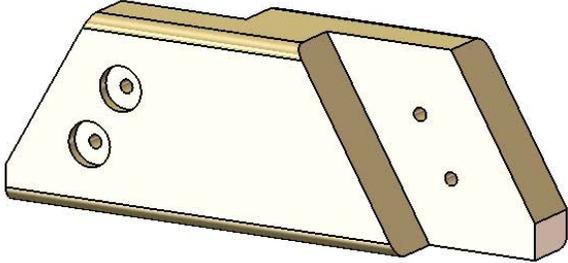
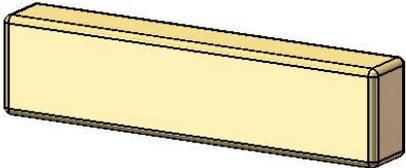
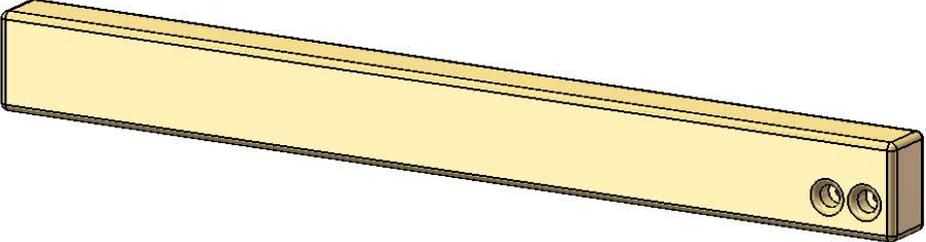
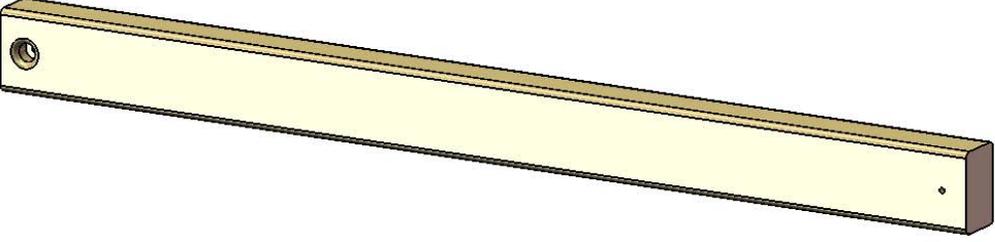
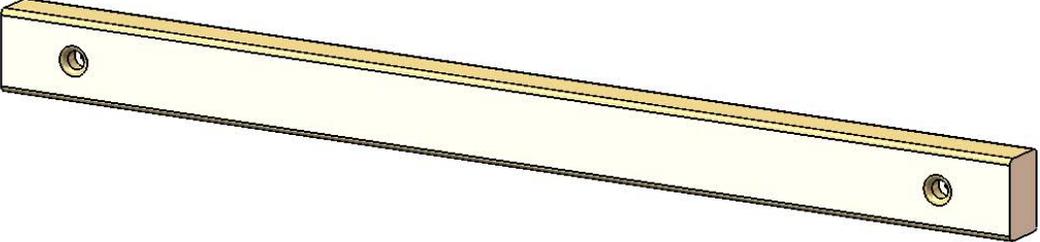
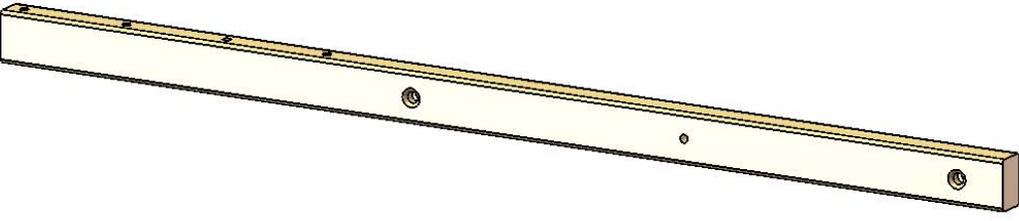
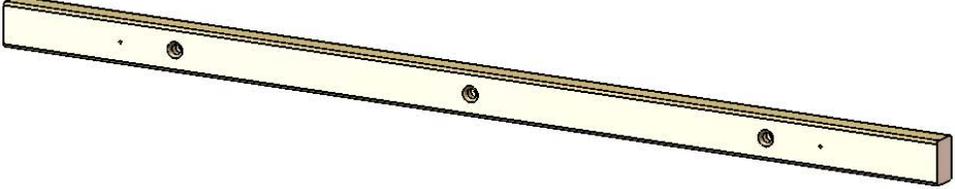
USE THE RULER TO THE RIGHT TO MEASURE YOUR BOLTS AND SCREWS. PICTURE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH BOLT AND SCREW SIZES.

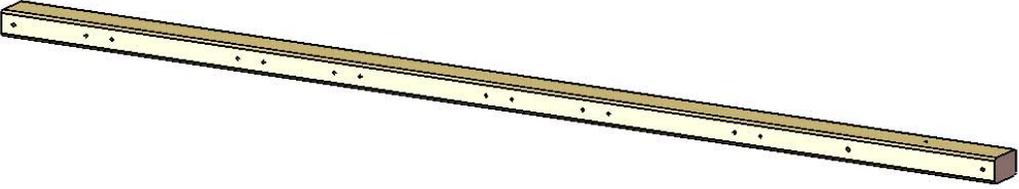
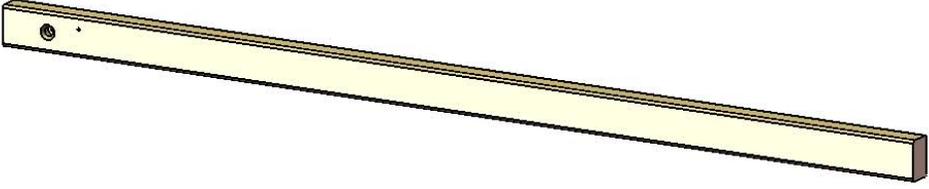
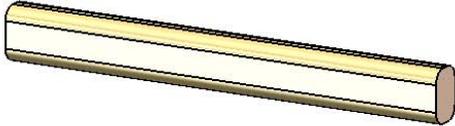
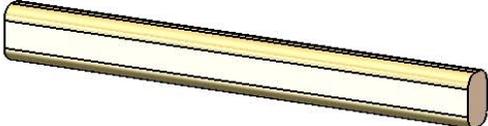
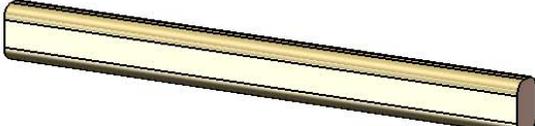
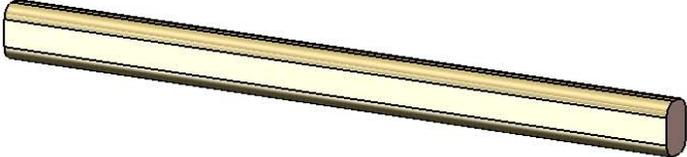
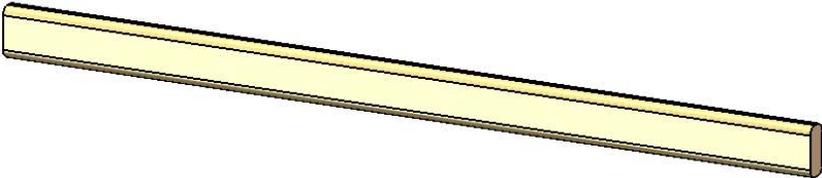
PICTURE	DESCRIPTION	QTY.
	<p>1 X 4 X 55" ROOF FINISHER (TONGUE ONLY)</p>	<p>2</p>
	<p>1 X 6 X 55" ROOF BOARD (TONGUE AND GROOVE)</p>	<p>12</p>
	<p>1 X 4 X 72" ROOF FINISHER (TONGUE ONLY)</p>	<p>2</p>
	<p>1 X 6 X 72" ROOF BOARD (TONGUE AND GROOVE)</p>	<p>32</p>
	<p>2 X 4 X 35" TOP PANEL BOARD</p>	<p>1</p>
	<p>2 X 4 X 36" ROOF SUPPORT</p>	<p>4</p>
	<p>2 X 4 X 47-1/2" TOP PANEL BOARD</p>	<p>1</p>

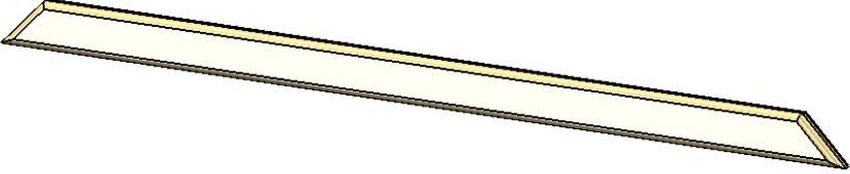
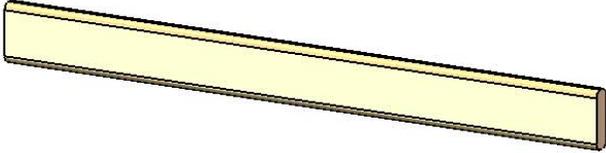
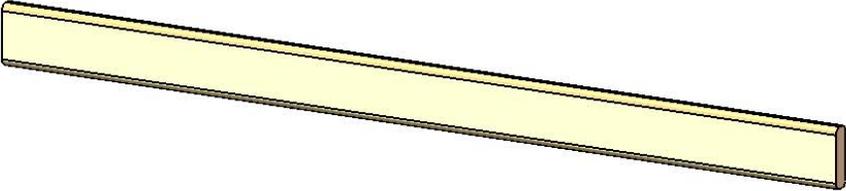
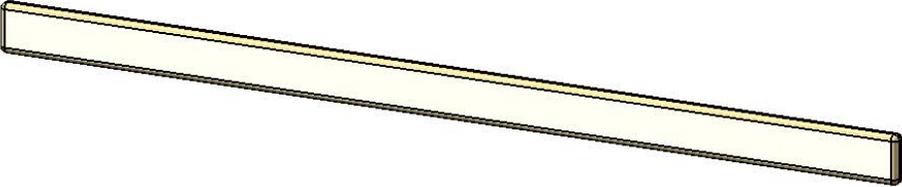
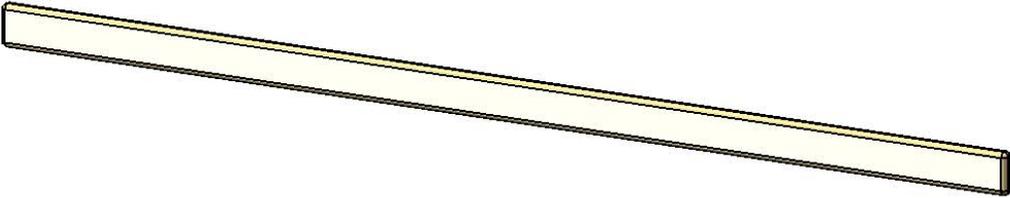
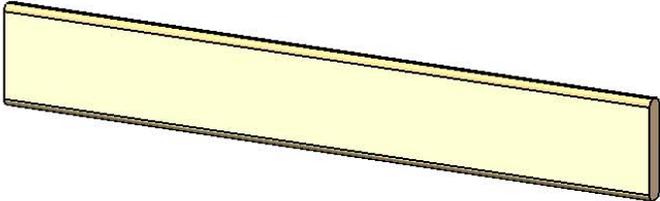
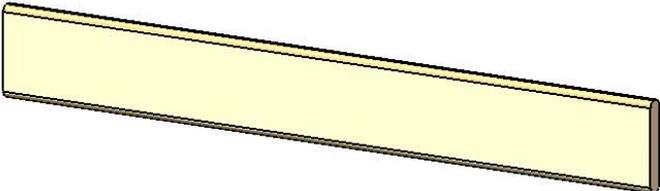
PICTURE	DESCRIPTION	QTY.
	<p>2 X 4 X 79" CENTER DECK SUPPORT</p>	<p>1</p>
	<p>2 X 6 X 16" SUN</p>	<p>2</p>
	<p>2 X 6 X 35" BOTTOM PANEL BOARD</p>	<p>1</p>
	<p>4 X 4 X 16" ANGLE BRACE/ANGLE SUPPORT -LEFT</p>	<p>4</p>
	<p>4 X 4 X 16" ANGLE BRACE/ANGLE SUPPORT- RIGHT</p>	<p>4</p>
	<p>4 X 4 X 18" SWING BLOCK</p>	<p>1</p>
	<p>4 X 4 X 18" SWING BLOCK (ANGLED ENDS)</p>	<p>1</p>

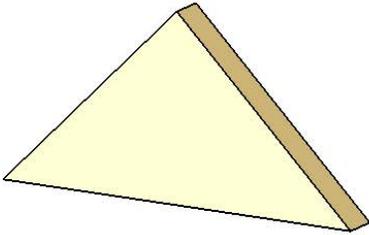
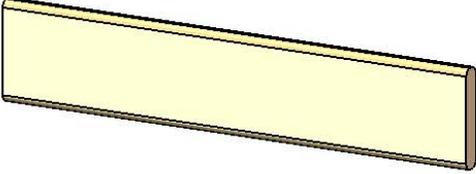
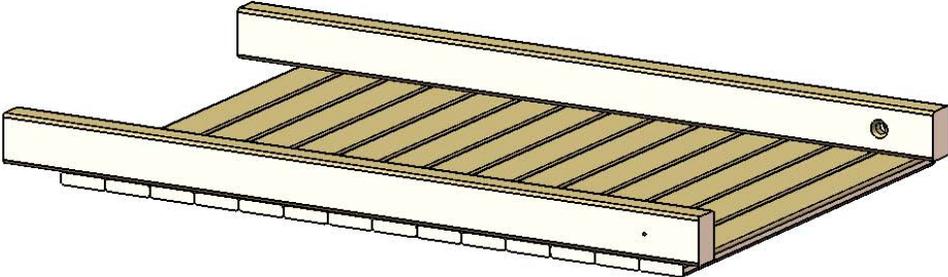
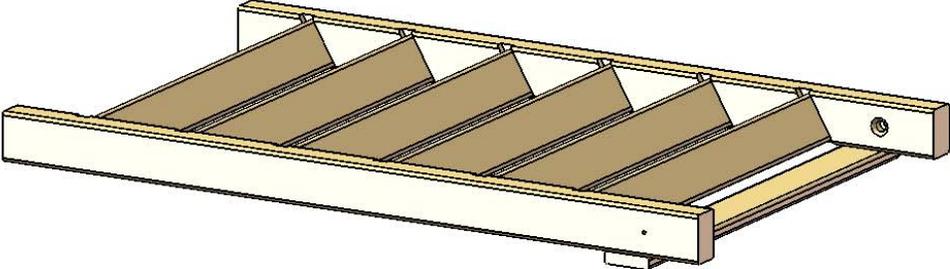
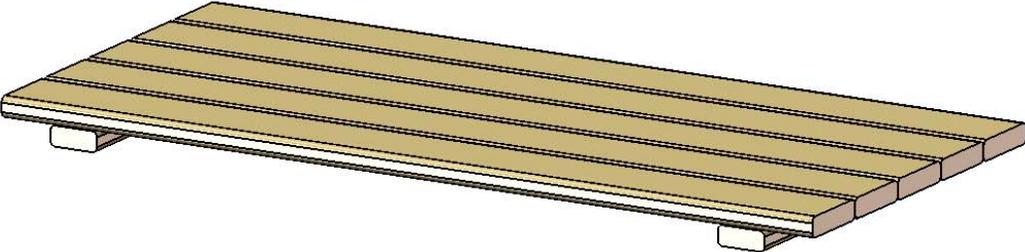
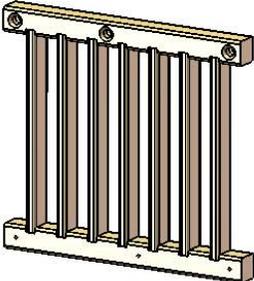
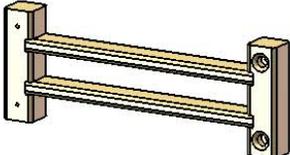
PICTURE	DESCRIPTION	QTY.
	4 X 4 X 25-1/2" MONKEY BAR SUPPORT - LEFT	1
	4 X 4 X 25-1/2" MONKEY BAR SUPPORT - LEFT	1
	4 X 4 X 34-3/4" CORNER POST	2
	4 X 4 X 42" CORNER UPRIGHT	4
	4 X 4 X 54" CORNER POST - LEFT	2
	4 X 4 X 54" CORNER POST - RIGHT	2
	4 X 4 X 84" LADDER RUNNER	1

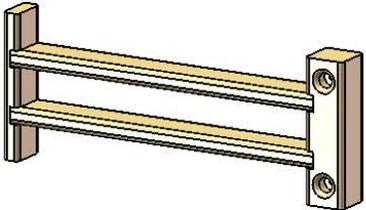
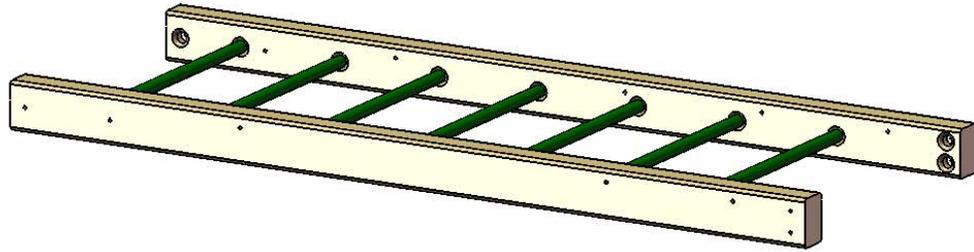
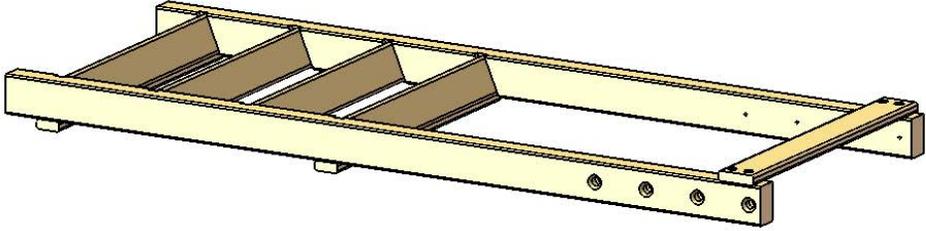
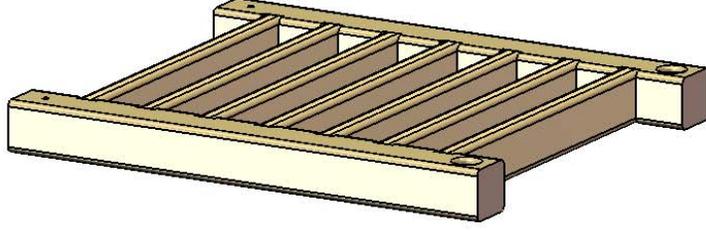
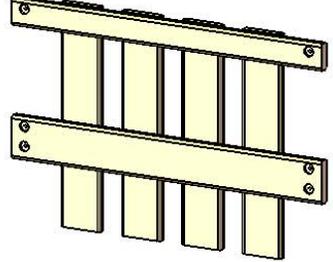
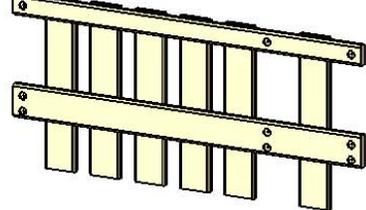
PICTURE	DESCRIPTION	QTY.
	4 X 4 X 84" ROOF SUPPORT - LEFT	2
	4 X 4 X 84" ROOF SUPPORT - RIGHT	2
	4 X 4 X 92" CENTER UPRIGHT	2
	4 X 4 X 120" ROPE LADDER RUNNER	1
	4 X 4 X 124" SIDE RAIL	1
	4 X 4 X 124" SWING BEAM SIDE RAIL	1
	4 X 6 X 15" FAT FREDDIE - LEFT	2

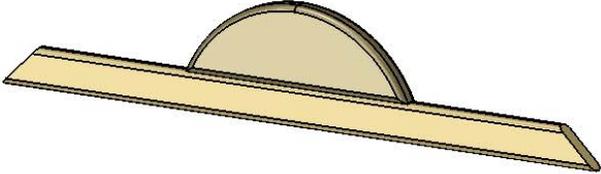
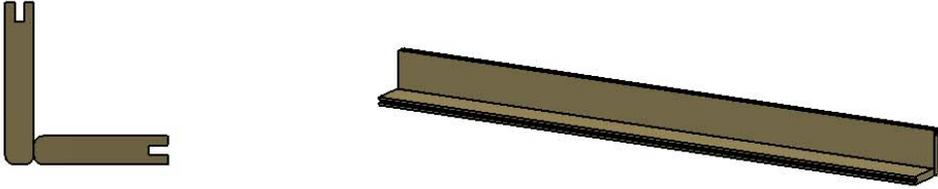
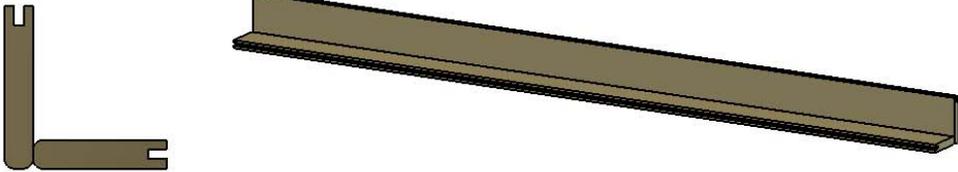
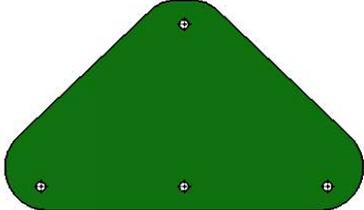
PICTURE	DESCRIPTION	QTY.
	<p>4 X 6 X 15" FAT FREDDIE - RIGHT</p>	<p>2</p>
	<p>4 X 6 X 22-1/2" SUPER TUBE STEP</p>	<p>1</p>
	<p>4 X 6 X 54" SUPER TUBE POST</p>	<p>1</p>
	<p>4 X 6 X 70" SWING LEG CROSS MEMBER</p>	<p>1</p>
	<p>4 X 6 X 73-1/8" TOP PANEL BOARD</p>	<p>1</p>
	<p>4 X 6 X 115" ROPE LADDER SUPPORT</p>	<p>1</p>
	<p>4 X 6 X 124" MAIN DECK BEAM</p>	<p>2</p>

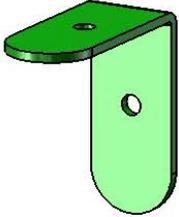
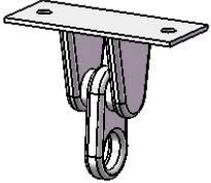
PICTURE	DESCRIPTION	QTY.
	4 X 6 X 144" SWING BEAM	1
	4 X 6 X 132" SWING LEG	2
	5/4 X 2 X 13" SMALL RAY	10
	5/4 X 2 X 14" LARGE RAY	8
	5/4 X 2 X 15-1/2" MEDIUM RAY	2
	5/4 X 2 X 20" LARGE RAY	1
	5/4 X 2-1/4 X 39" DECK BOARD	1

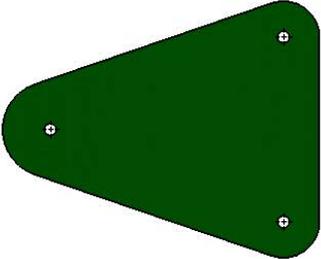
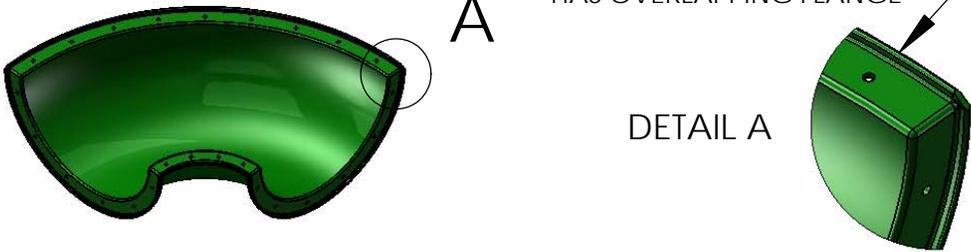
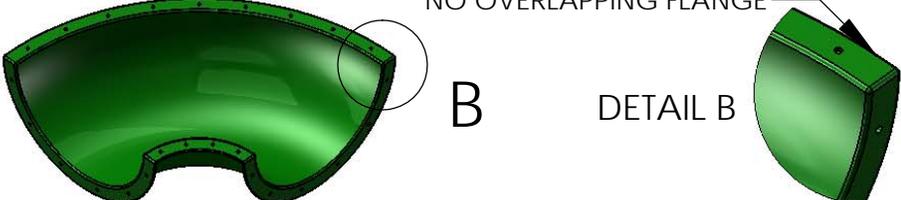
PICTURE	DESCRIPTION	QTY.
	<p>5/4 X 3 X 51" SUN SUPPORT</p>	<p>2</p>
	<p>5/4 X 3-1/4 X 35-3/4" DECK SPACER</p>	<p>3</p>
	<p>5/4 X 4 X 50-3/8" ROOF END CAP</p>	<p>2</p>
	<p>5/4 X 4 X 65" ROOF END CAP</p>	<p>2</p>
	<p>5/4 X 4 X 85" ROOF STRINGER</p>	<p>2</p>
	<p>5/4 X 5-1/2" X 39" DECK BOARD</p>	<p>1</p>
	<p>5/4 X 5-1/2" X 43" DECK BOARD</p>	<p>8</p>

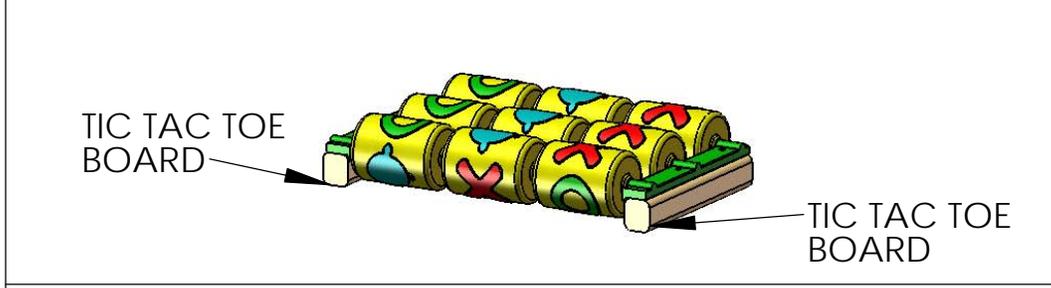
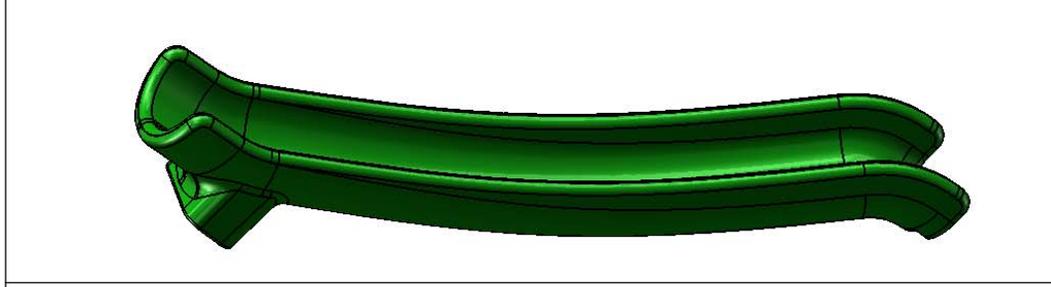
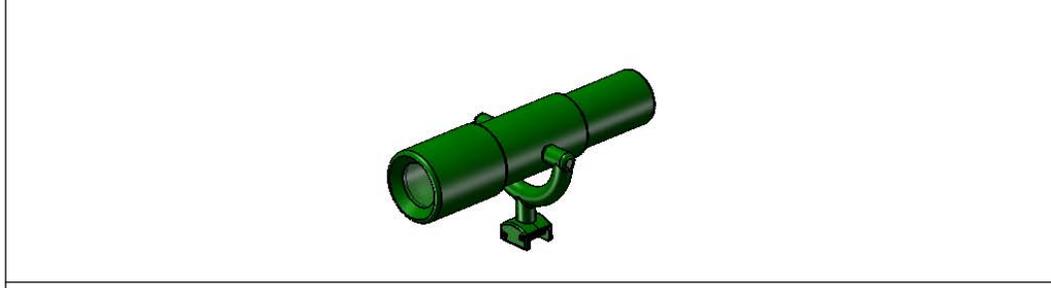
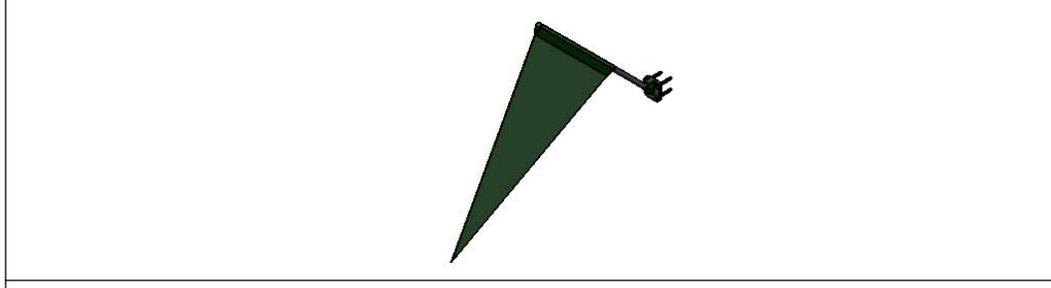
PICTURE	DESCRIPTION	QTY.
	<p>5/4 X 6 X 10" ROOF PEAK SUPPORT</p>	<p>2</p>
	<p>5/4 X 6 X 28" PANEL SLAT</p>	<p>2</p>
	<p>ROCK WALL</p>	<p>1</p>
	<p>LADDER</p>	<p>1</p>
	<p>DECK PANEL (5 BOARD)</p>	<p>3</p>
	<p>WALL PANEL</p>	<p>2</p>
	<p>SLIDE WALL PANEL</p>	<p>1</p>

PICTURE	DESCRIPTION	QTY.
	ENTRY PANEL	4
	CHIMNEY (UNASSEMBLED) DORMER (UNASSEMBLED)	1 2
	MONKEY BARS	1
	MONKEY BAR LADDER	1
	SKY LOFT ENTRY PANEL (LADDER)	1
	REAR WALL PANEL	1
	RIGHT SIDE WALL PANEL	1

PICTURE	DESCRIPTION	QTY.
	SUN ASSEMBLY	2
	ROOF STARTER ASSEMBLY 55"	1
	ROOF STARTER ASSEMBLY 72"	1
	TIRE SWIVEL	1
	ROCK WALL ROCKS (PACKAGE OF 5)	3
<p data-bbox="500 1667 735 1703">(NOT SHOWN)</p>	ROPE LADDER ROCK WALL ROPE	1 12 FT
	SWING BEAM PLATE	1

PICTURE	DESCRIPTION	QTY.
	90 ° ANGLE BRACKET	2
	45 ° ANGLE BRACKET	2
	IRON DUCTILE SWING HANGER	6
	SPRING CLIP	9
	TIRE SWING W/CHAINS	1
	SWING BELT W/CHAINS	2
	TRAPEZE BAR W/CHAINS	1

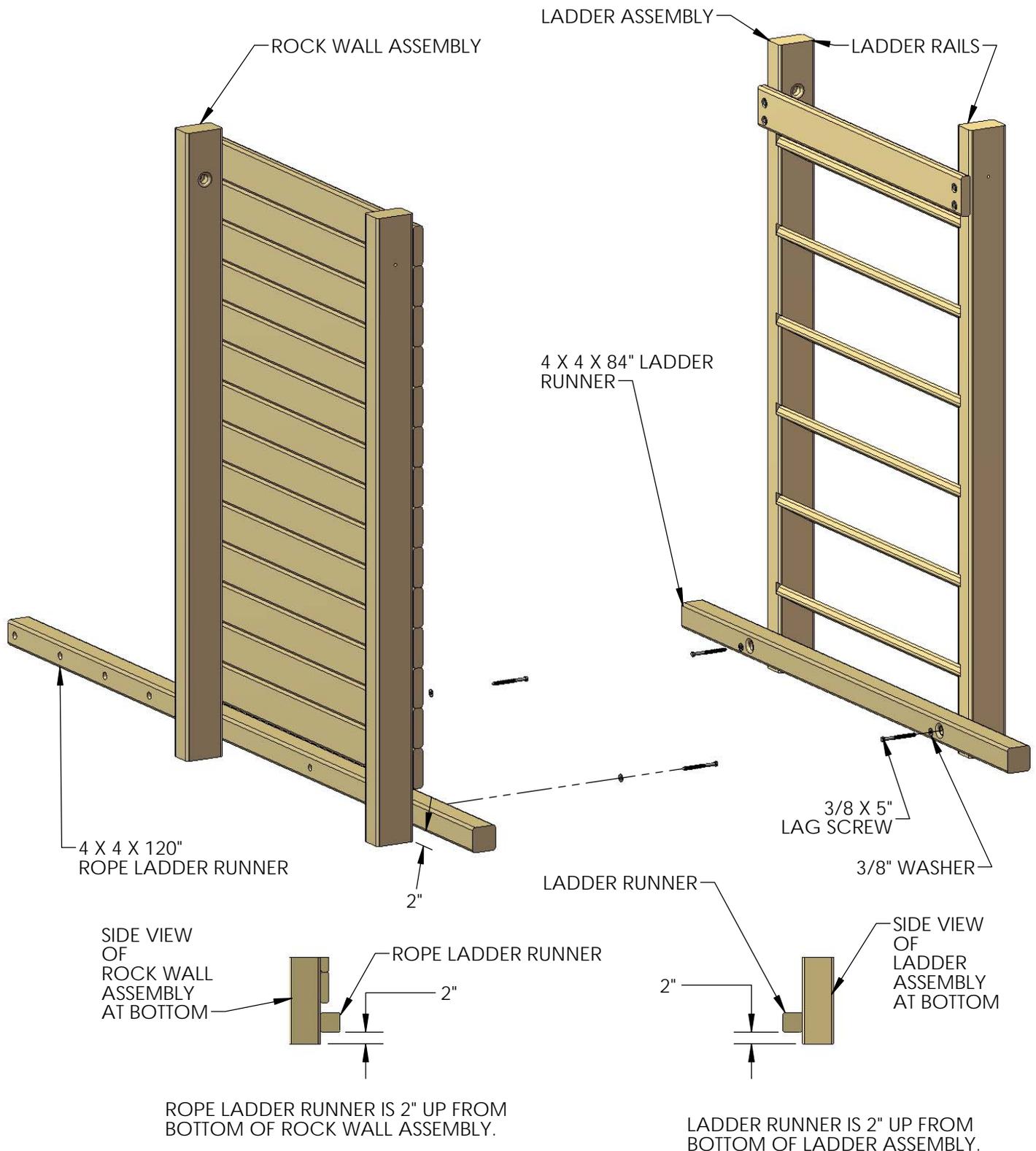
PICTURE	DESCRIPTION	QTY.
	SAFETY HANDLE (METAL)	7
	STEERING WHEEL	1
	DINNER BELL	1
	MONKEY BAR PLATE	2
	FACEPLATE ENTRY SECTION (AT LEFT)	1
	TOP SLIDE SECTION WITH OVERLAPPING FLANGES	3
	BOTTOM SLIDE SECTION WITHOUT OVERLAPPING FLANGES	4

PICTURE	DESCRIPTION	QTY.
	TOP SLIDE EXIT SECTION WITH OVERLAPPING FLANGES	1
	SAFETY HANDLES PLASTIC (PAIR)	1
	TIC TAC TOE PANEL TIC TAC TOE BOARDS 1-3/8" X 1-5/8" X 10-1/2"	1 2
	SCOOP SLIDE	1
	TELESCOPE	1
	FLAG KIT (PAIR)	2
	LOGO PLATE	1

STEP 1: LADDER AND ROPE LADDER RUNNERS

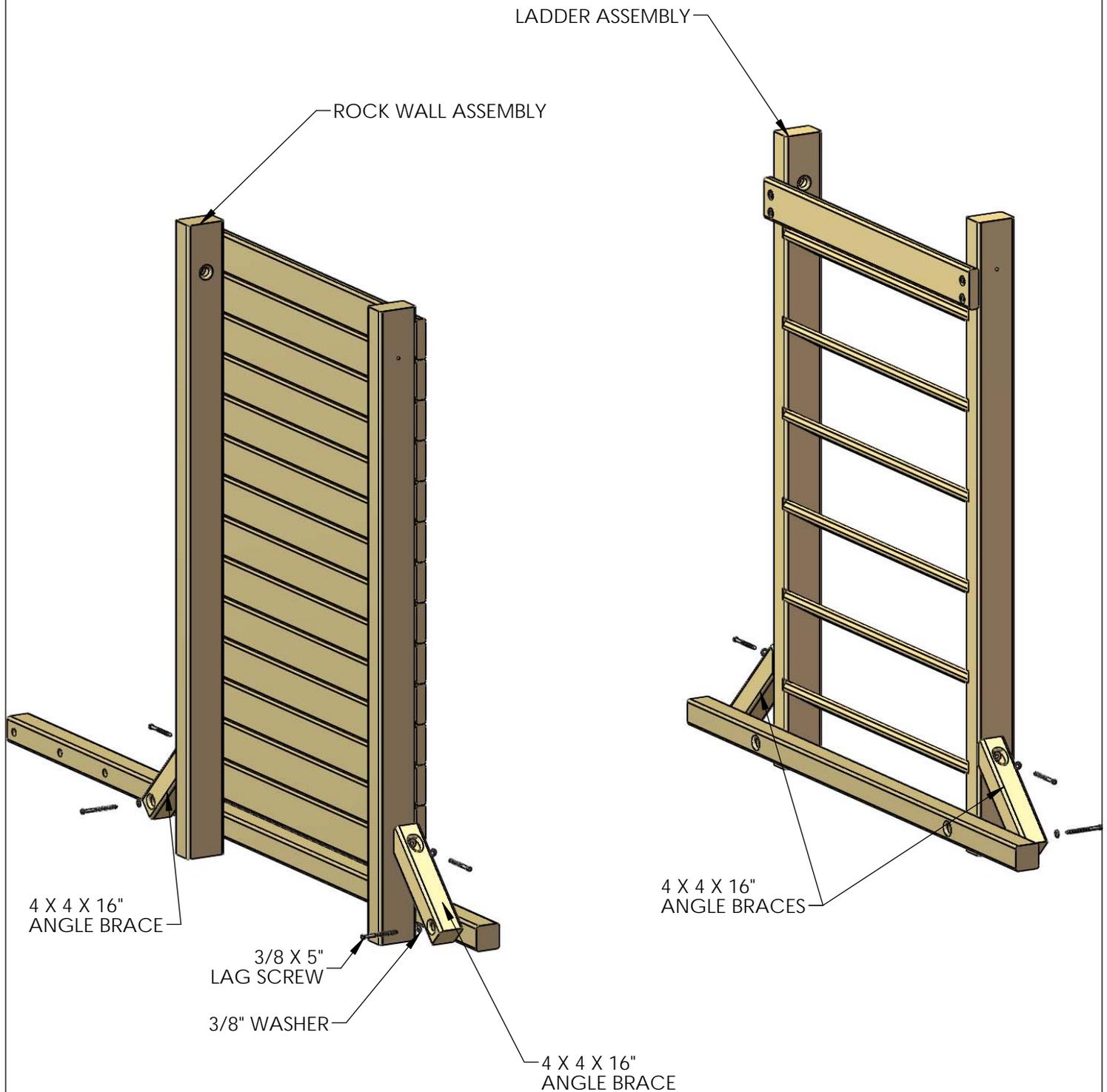
1: PLACE THE 4 X 4 X 84" LADDER RUNNER 2" UP OFF THE BOTTOM OF THE LADDER ASSEMBLY. ALLOW THE LADDER RUNNER TO EXTEND EQUALLY PAST THE LADDER RAILS. FASTEN THE LADDER RUNNER TO THE LADDER WITH 3/8 X 5" LAG SCREWS AND 3/8" WASHERS.

2: PLACE THE 4 X 4 X 120" ROPE LADDER RUNNER 2" UP OFF THE BOTTOM OF THE ROCK WALL ASSEMBLY. MAKE SURE THAT THE HOLES FOR THE ROPE LADDER ARE HORIZONTAL. FASTEN THE ROPE LADDER RUNNER TO THE ROCK WALL WITH 3/8 X 5" LAG SCREWS AND 3/8" WASHERS.



STEP 2: ANGLE BRACES

1: PLACE THE 4 X 4 X 16" ANGLE BRACES FLUSH TO THE SIDES OF THE LADDER AND ROCK WALL ASSEMBLIES WITH 3/8 X 5" LAG SCREWS AND 3/8" WASHERS.



STEP 3: MAIN DECK BEAMS

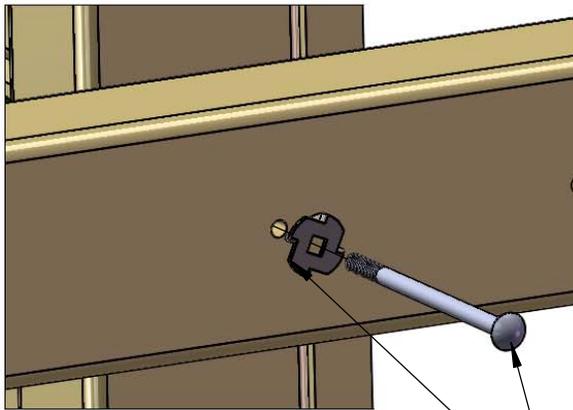
1: PLACE THE 4 X 6 X 124" MAIN DECK BEAMS FLUSH TO THE OUTSIDE OF THE LADDER AND ROCK WALL ASSEMBLIES, LINING UP THE PILOT HOLES AT EACH END TO THE COUNTERBORED HOLES ON THE LADDER AND ROCK WALL SIDES.

2: FIND FOUR 6-1/2" CARRIAGE BOLTS AND FOUR TORQUE WASHERS. PLACE THE CARRIAGE BOLT INSIDE THE TORQUE WASHER SO THAT THE TEETH ARE FACING THE SAME DIRECTION AS THE THREADS OF THE CARRIAGE BOLT.

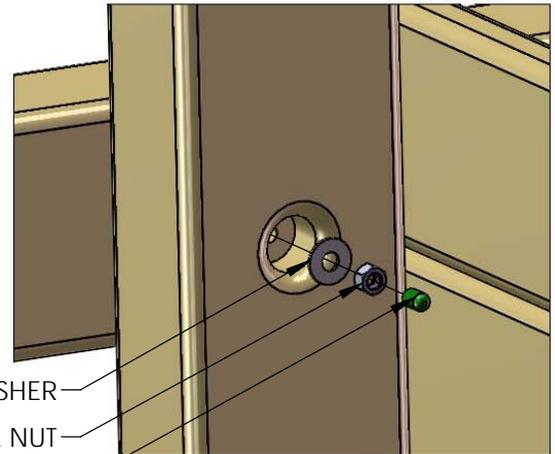
3: PLACE THE CARRIAGE BOLT/TORQUE WASHER ASSEMBLY IN THE HOLE ON THE MAIN DECK BEAMS, OUT THROUGH THE COUNTERBORED HOLES ON THE LADDER AND ROCK WALL SIDES, AND SET WITH A HAMMER.

4: USE 3/8" LOCK NUTS WITH 3/8" WASHERS TO SECURE THE MAIN BEAMS. **DO NOT FULLY TIGHTEN CARRIAGE BOLTS AT THIS TIME.**

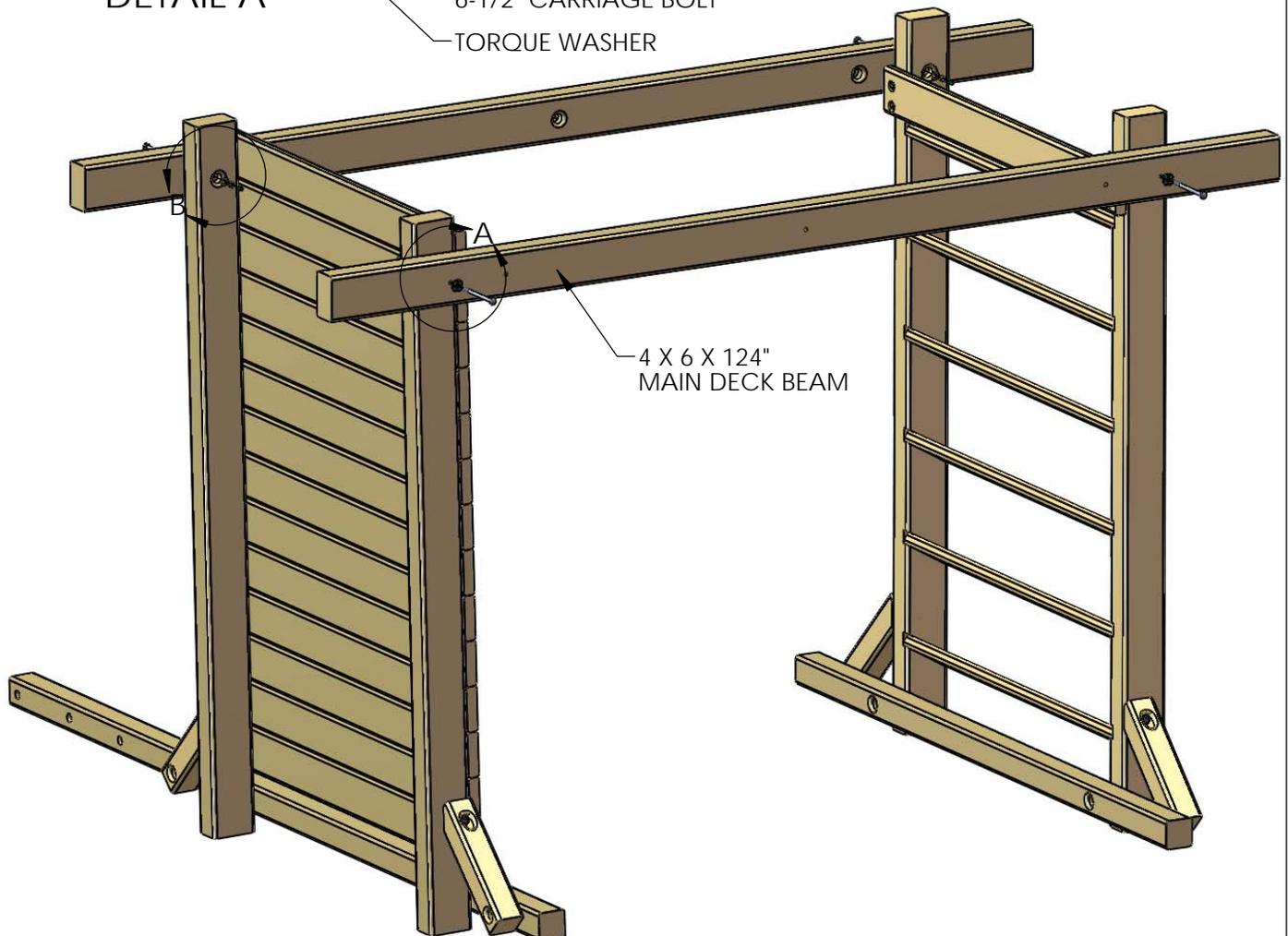
5: USE GREEN BOLT CAPS TO COVER ANY EXPOSED THREADS.



DETAIL A



DETAIL B



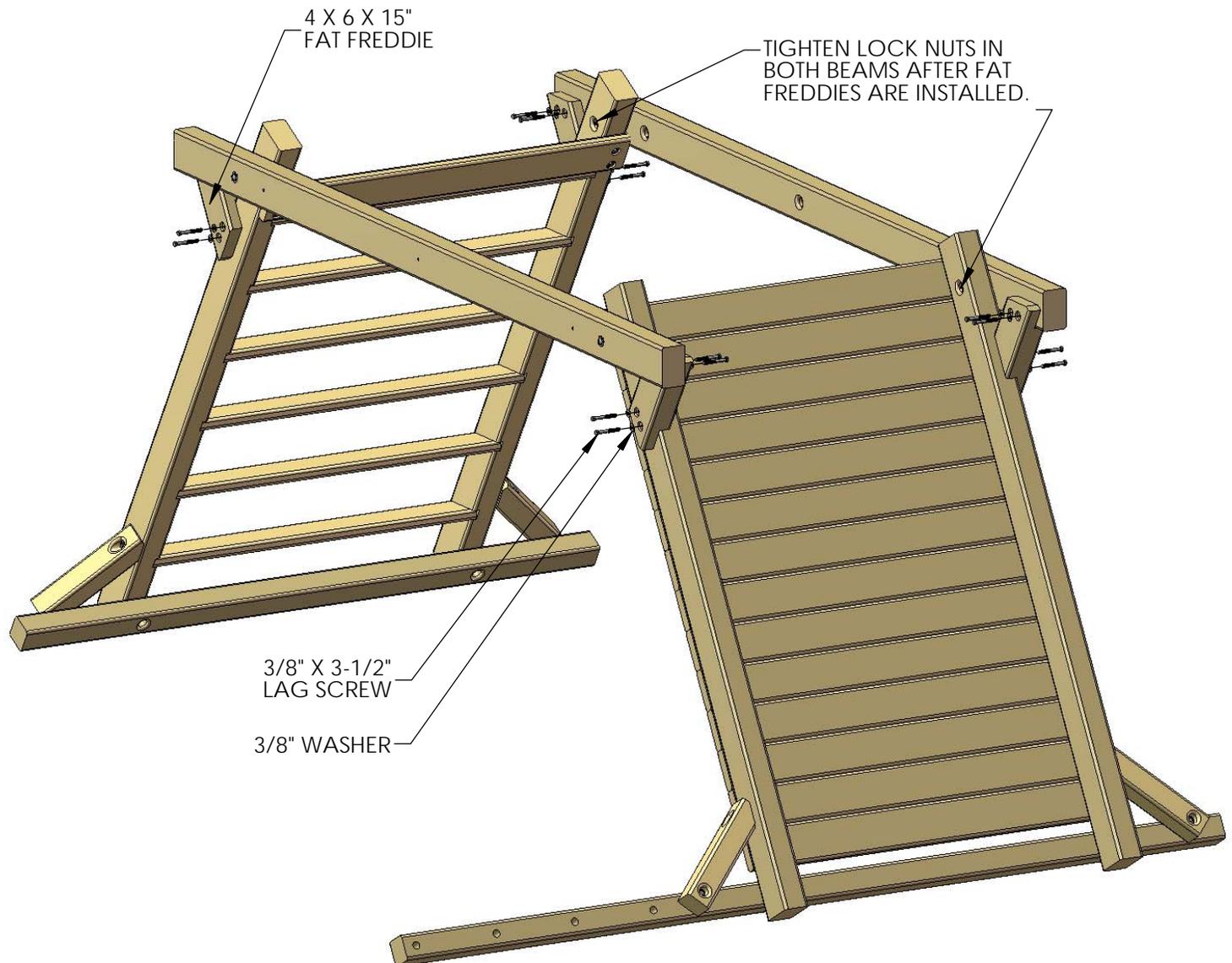
STEP 4: FAT FREDDIES

1: PLACE THE 4 X 6 X 15" FAT FREDDIES AT THE ENDS OF THE MAIN BEAMS. NOTE THAT THERE ARE TWO FOR THE LEFT SIDE AND TWO FOR THE RIGHT.

2: THE NOTCHES IN THE FAT FREDDIES WILL FIT WITH THE LADDER AND ROCK WALL ASSEMBLIES WHEN THEY ARE SCISSORED OUT. THE FAT FREDDIES WILL FASTEN TO THE INSIDE OF THE MAIN BEAM, AND TO THE OUTSIDE OF THE LADDER AND ROCK WALL SIDES.

3: USE 3/8 X 3-1/2" LAG SCREWS WITH 3/8" WASHERS TO FASTEN THE FAT FREDDIES TO THE LADDER, ROCK WALL, AND MAIN BEAMS.

4: GO BACK AND TIGHTEN THE 3/8" LOCK NUTS INSTALLED ON THE PREVIOUS PAGE.

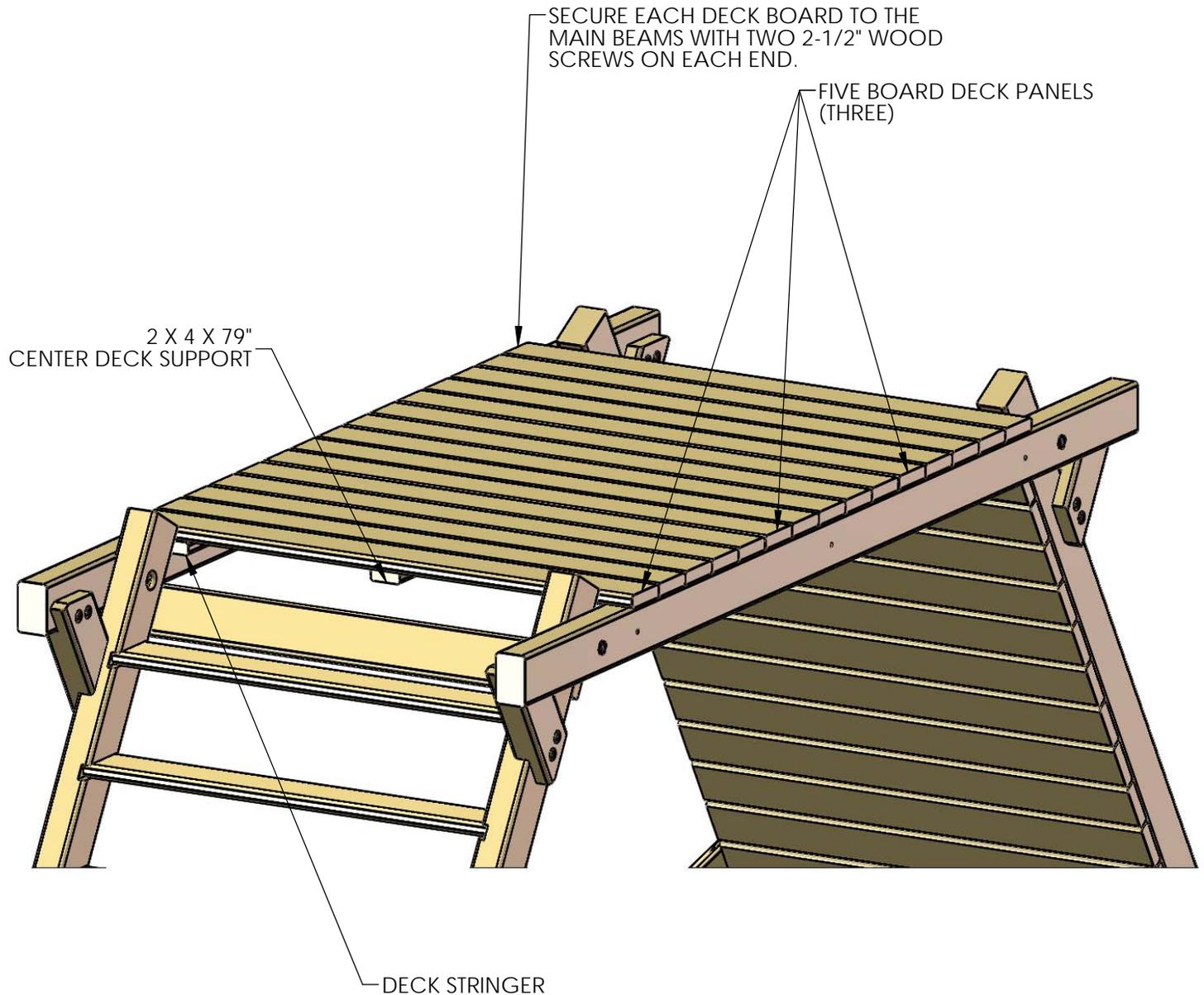


STEP 5: DECK

1: PLACE THREE FIVE BOARD DECK PANELS ON TOP OF THE MAIN BEAMS, ALLOWING THE 2 X 4 DECK STRINGERS TO FIT INSIDE OF THE MAIN BEAMS.

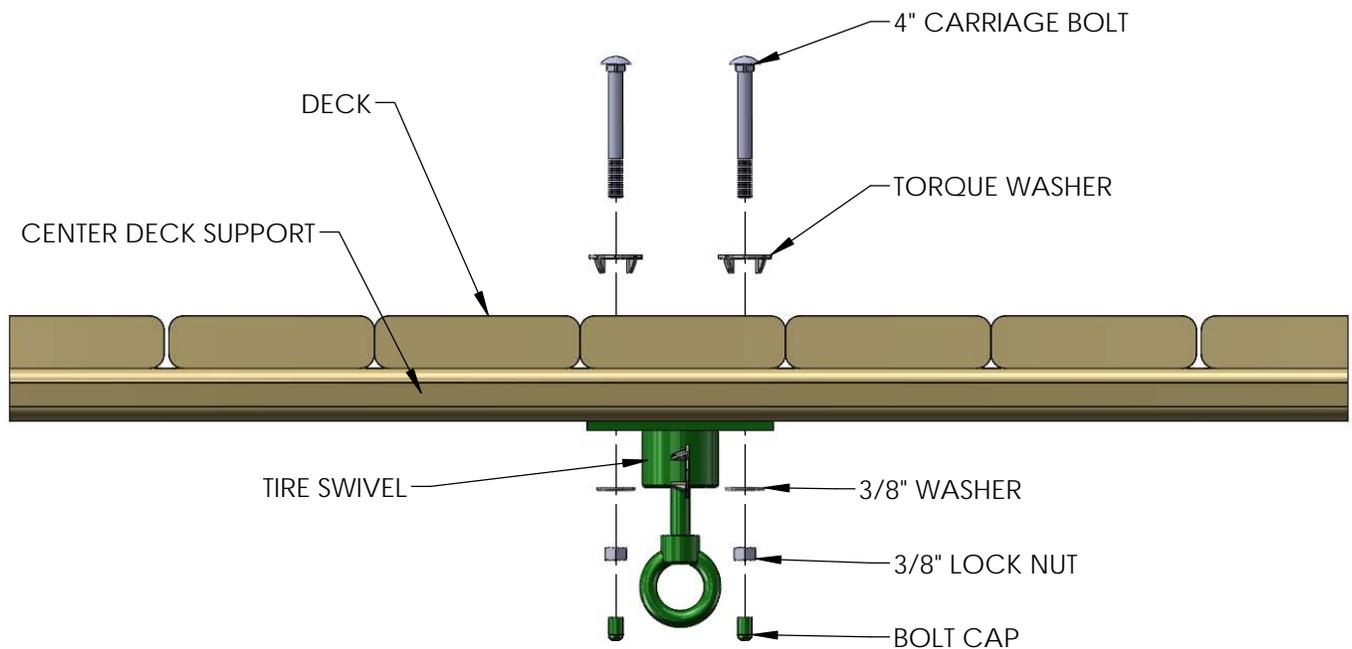
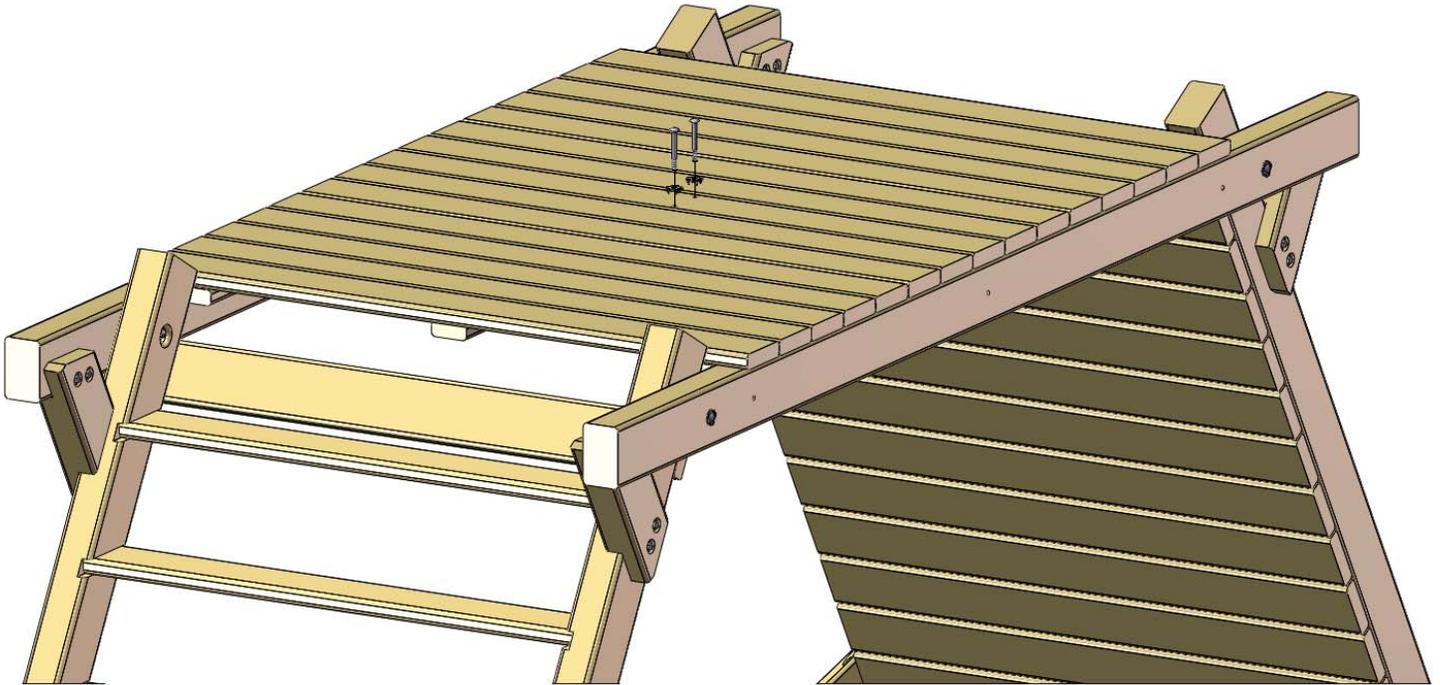
2: FASTEN THE DECK PANELS TO THE MAIN BEAMS WITH TWO 2-1/2" WOOD SCREW ON BOTH SIDES OF EACH DECK BOARD.

3: PLACE THE 2 X 4 X 79" CENTER DECK SUPPORT IN THE CENTER OF THE DECK AND FASTEN WITH TWO 2-1/2" WOOD SCREW PER BOARD.



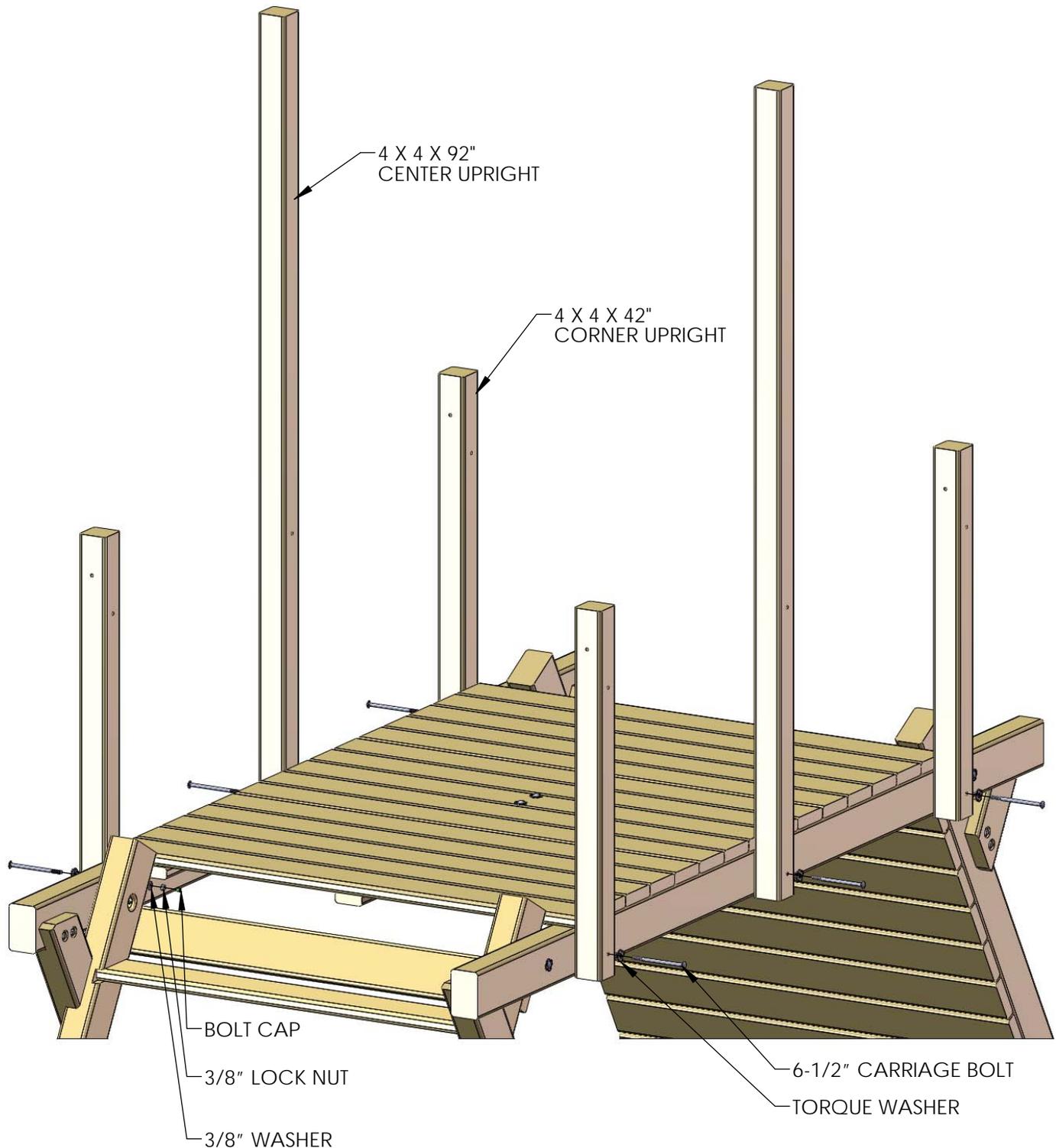
STEP 6: TIRE SWIVEL

- 1: REST THE TIRE SWIVEL ON TOP OF THE DECK AND, USING THE HOLES IN THE TIRE SWIVEL AS A GUIDE, MARK THE LOCATION OF THE HOLES.
- 2: DRILL 3/8" HOLES IN THE BRDGE DECK WHERE THE MARKS WERE MADE.
- 3: FASTEN THE TIRE SWIVEL TO THE DECK WITH 4" CARRIAGE BOLTS AND TORQUE WASHERS FROM THE TOP, AND 3/8" LOCK NUTS WITH 3/8" WASHERS FROM UNDERNEATH.
- 4: PLACE BOLT CAPS ON ANY EXPOSED THREADS.



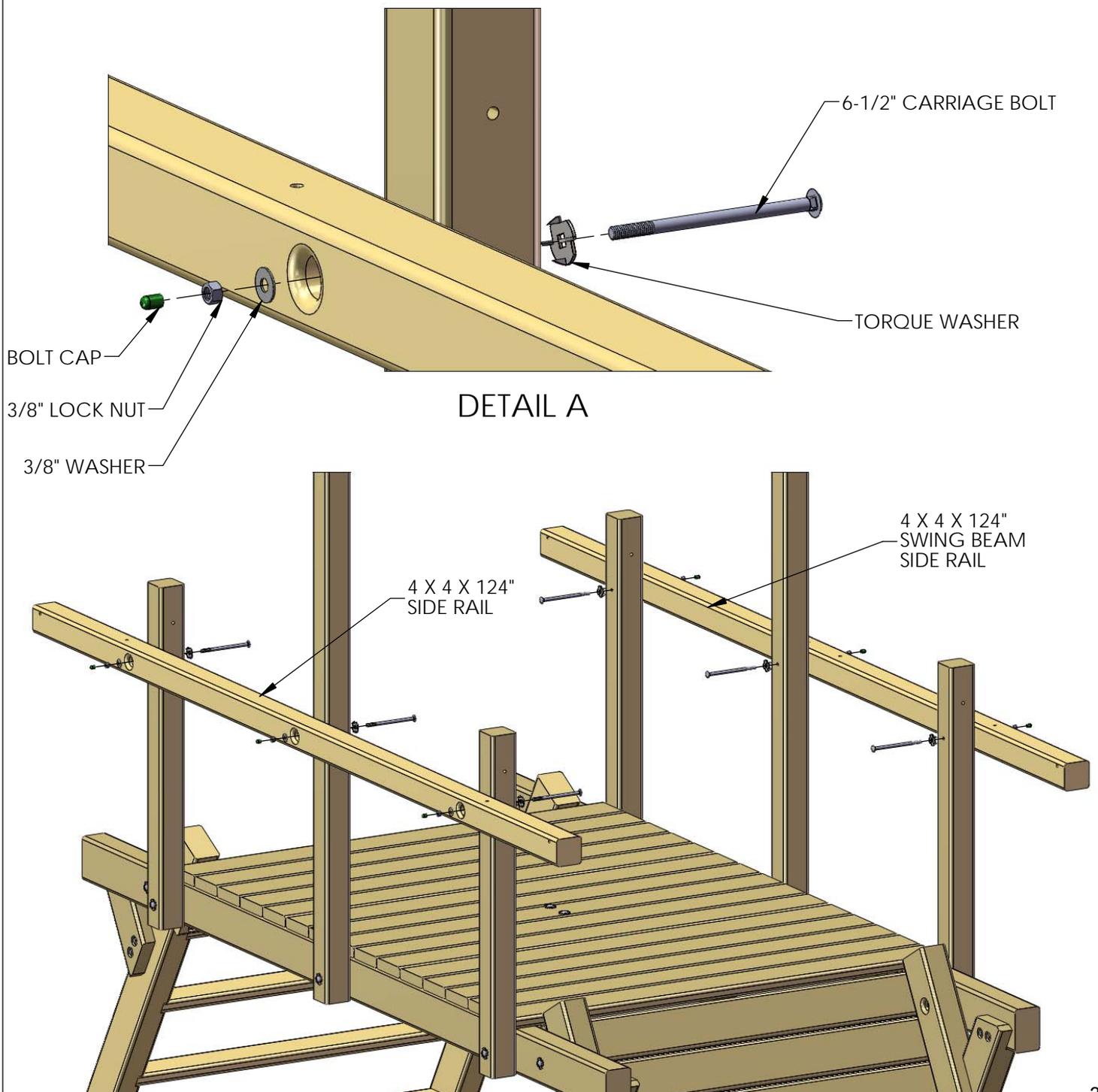
STEP 7: UPRIGHTS

- 1: LINE UP THE PILOT HOLES OF THE 4 X 4 X 42" CORNER UPRIGHTS WITH THE HOLES AT EACH END OF THE MAIN FLOOR BEAMS.
- 2: FASTEN THE CORNER UPRIGHTS TO THE MAIN FLOOR BEAMS USING 6-1/2" CARRIAGE BOLTS WITH TORQUE WASHERS FROM THE OUTSIDE, AND 3/8" LOCK NUTS WITH 3/8" WASHERS FROM THE INSIDE.
- 3: LINE UP THE PILOT HOLES OF THE 4 X 4 X 92" CENTER UPRIGHTS WITH THE HOLES AT THE CENTER OF THE MAIN FLOOR BEAMS.
- 4: FASTEN THE CENTER UPRIGHTS TO THE MAIN FLOOR BEAMS USING 6-1/2" CARRIAGE BOLTS WITH TORQUE WASHERS FROM THE OUTSIDE, AND 3/8" LOCK NUTS WITH 3/8" WASHERS FROM THE INSIDE.
- 5: PLACE BOLT CAPS OVER ANY EXPOSED THREADS.



STEP 8: SIDE RAILS

- 1: PLACE THE 4 X 4 X 124" SWING BEAM SIDE RAIL FLUSH TO THE CORNER UPRIGHTS, LINING UP THE PILOT HOLES. MAKE SURE THAT THE BOTTOM SIDE WITH THREE CLOSELY PATTERNED COUNTERBORED HOLES IS FACING DOWN.
- 2: ATTACH THE SWING BEAM SIDE RAIL TO THE CORNER AND CENTER UPRIGHTS USING 6-1/2" CARRIAGE BOLTS WITH TORQUE WASHERS FROM THE INSIDE OF THE FORT, AND 3/8" LOCK NUTS WITH 3/8" WASHERS FROM THE OUTSIDE.
- 3: PLACE THE 4 X 4 X 124" SIDE RAIL FLUSH TO THE CORNER UPRIGHTS, LINING UP THE PILOT HOLES.
- 4: ATTACH THE SIDE RAIL TO THE CORNER AND CENTER UPRIGHTS USING 6-1/2" CARRIAGE BOLTS WITH TORQUE WASHERS FROM THE INSIDE OF THE FORT, AND 3/8" LOCK NUTS WITH 3/8" WASHERS FROM THE OUTSIDE.
- 5: USE BOLT CAPS TO COVER ANY EXPOSED THREADS.
- 6: SEE DETAIL "A" FOR A MORE DETAILED VIEW OF ASSEMBLY.



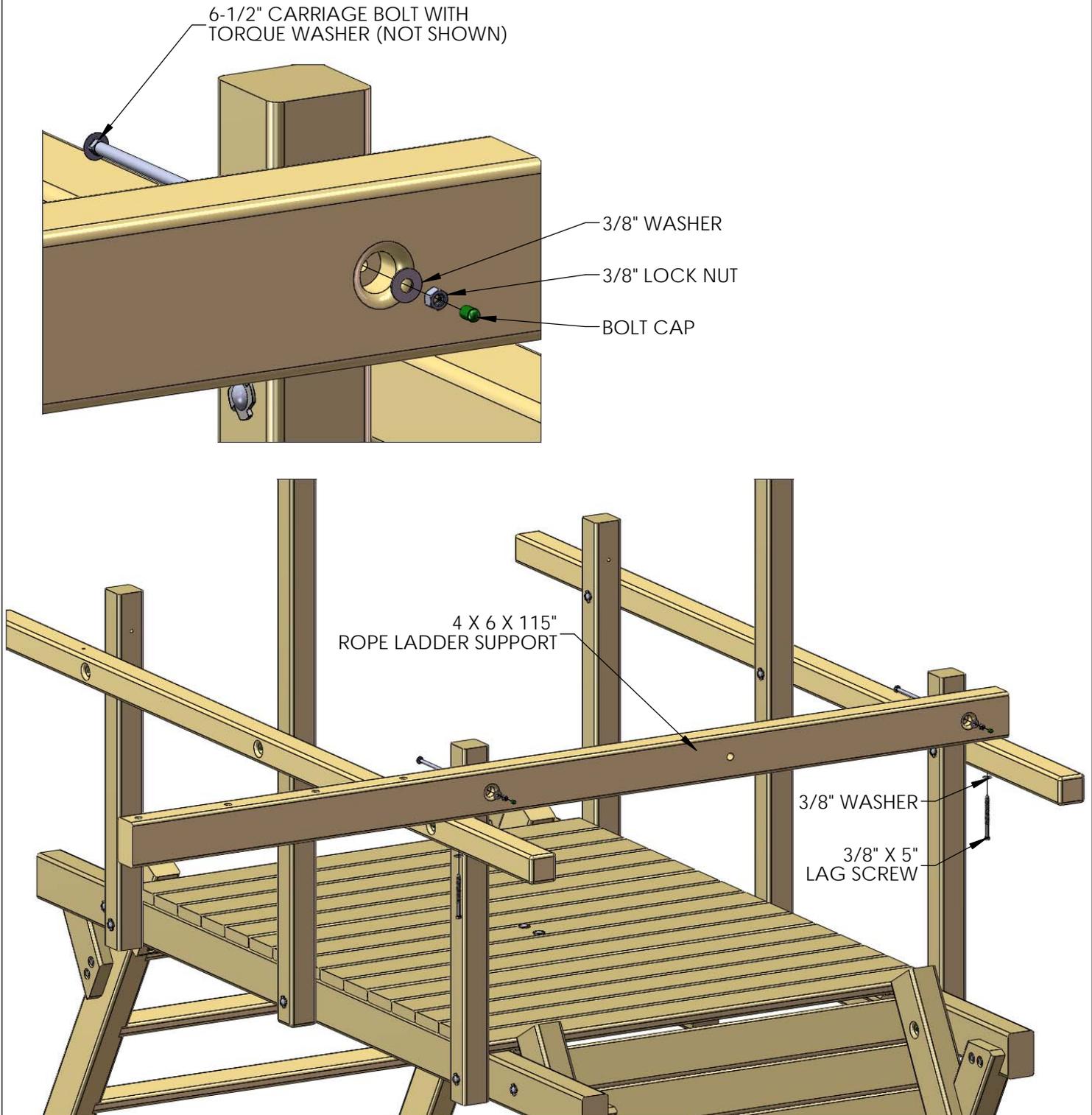
STEP 9: ROPE LADDER SUPPORT

1: PLACE THE 4 X 6 X 115" ROPE LADDER SUPPORT TO THE CORNER UPRIGHTS ON THE SAME SIDE THAT THE ROPE LADDER RUNNER WAS INSTALLED, LINING UP THE PILOT HOLES.

2: FASTEN THE ROPE LADDER SUPPORT TO THE CORNER UPRIGHTS USING 6-1/2" CARRIAGE BOLTS WITH TORQUE WASHERS FROM THE INSIDE OF THE FORT, AND 3/8" LOCK NUTS WITH 3/8" WASHERS FROM THE OUTSIDE.

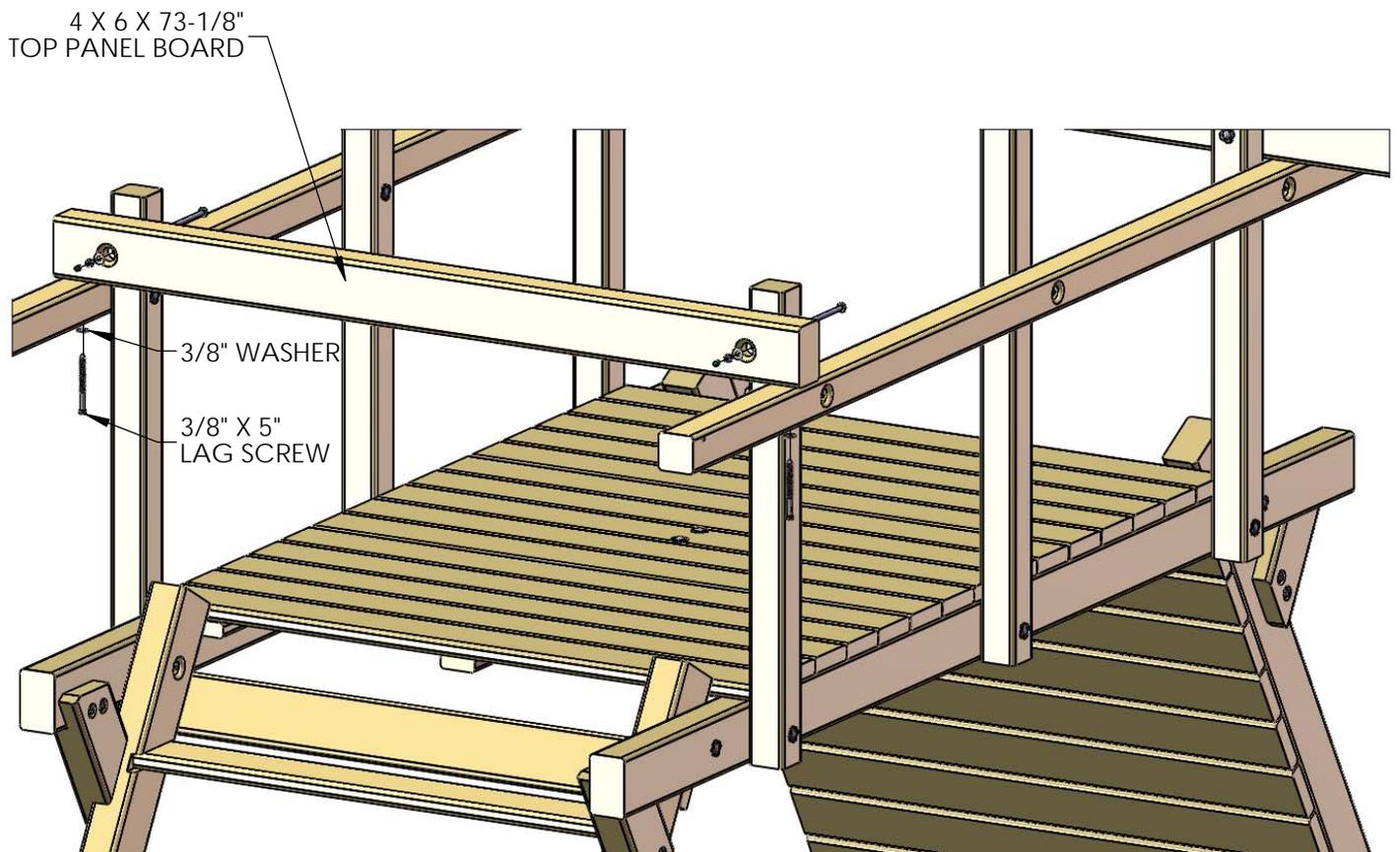
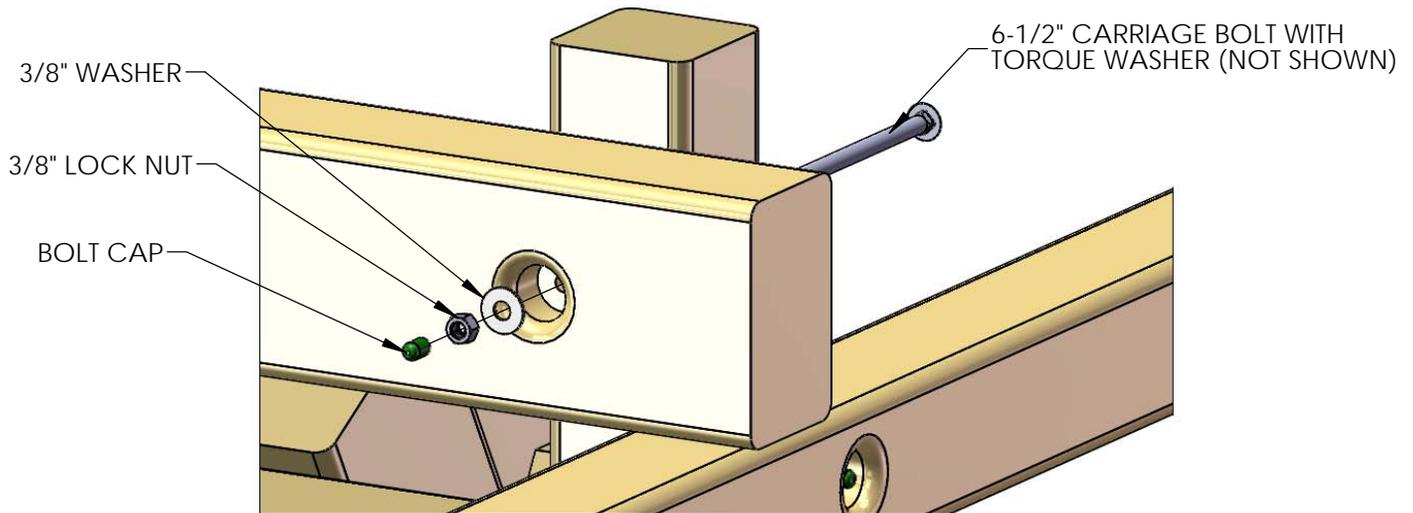
3: AFTER SECURING THE ROPE LADDER SUPPORT, USE 3/8 X 5" LAG SCREWS WITH 3/8" WASHERS FROM UNDERNEATH THE SIDE RAILS IN THE COUNTERBORED HOLES TO FULLY SECURE THE ROPE LADDER SUPPORT TO THE FORT.

4: COVER ANY EXPOSED THREADS WITH BOLT CAPS.



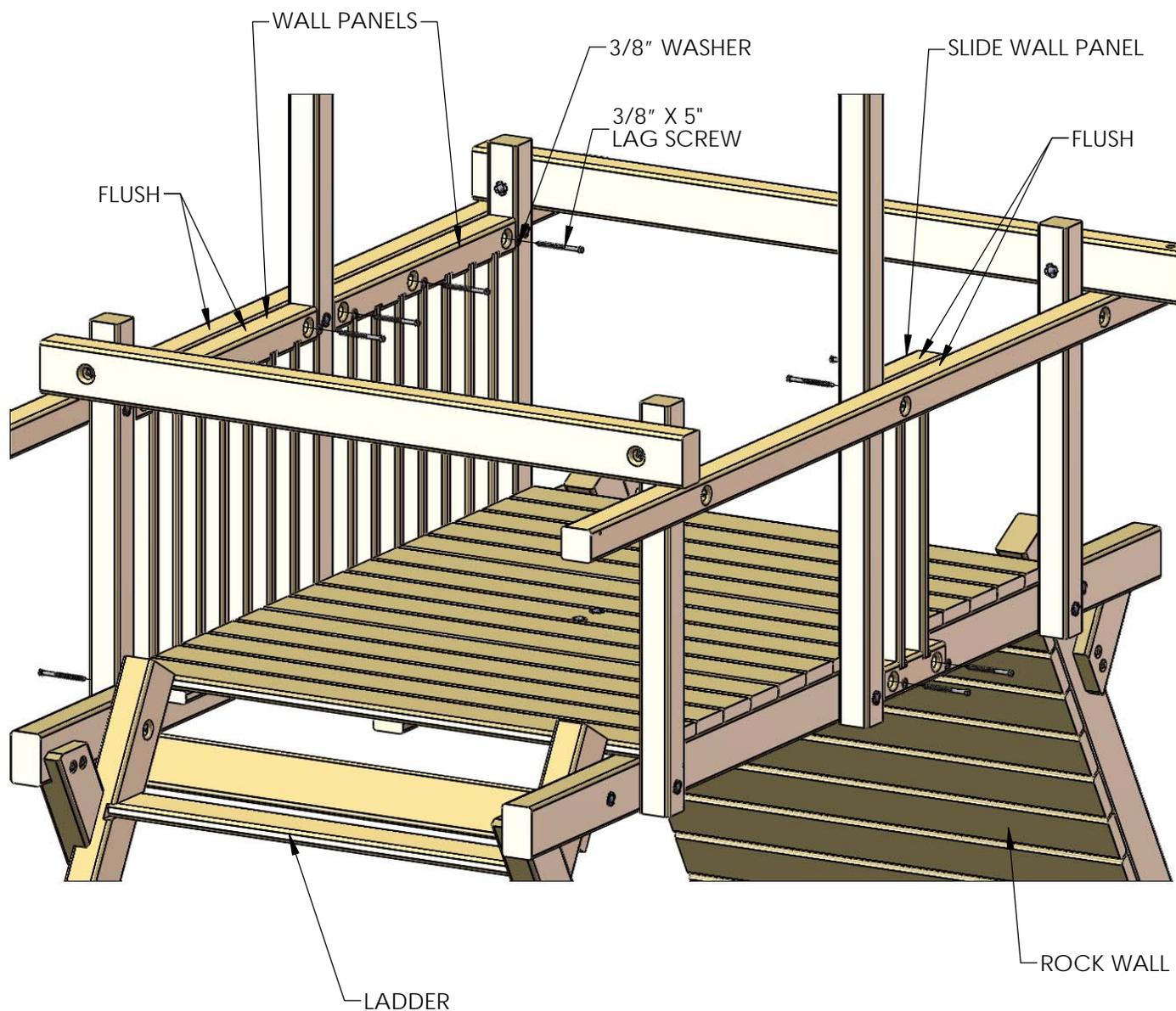
STEP 10: TOP PANEL BOARD

- 1: PLACE THE 4 X 6 X 73-1/8" TOP PANEL BOARD AGAINST THE CORNER UPRIGHTS ON THE OPPOSITE SIDE OF THE ROPE LADDER SUPPORT, LINING UP THE PILOT HOLES.
- 2: FASTEN THE TOP PANEL BOARD TO THE CORNER UPRIGHTS USING 6-1/2" CARRIAGE BOLTS WITH TORQUE WASHERS FROM THE INSIDE OF THE FORT, AND 3/8" LOCK NUTS WITH 3/8" WASHERS FROM THE OUTSIDE.
- 3: AFTER SECURING THE TOP PANEL BOARD, USE 3/8 X 5" LAG SCREWS WITH 3/8" WASHERS FROM UNDERNEATH THE SIDE RAILS IN THE COUNTERBORED HOLES TO FULLY SECURE THE TOP PANEL BOARD TO THE FORT.
- 4: COVER ANY EXPOSED THREADS WITH BOLT CAPS.



STEP 11: WALL PANELS

- 1: FIND THE TWO LARGE WALL PANELS AND ONE SLIDE WALL PANEL.
 - 2: THE TOPS OF THE WALL PANELS WILL MOUNT FLUSH TO THE TOP OF THE SIDE RAILS BETWEEN THE CENTER AND CORNER UPRIGHTS WITH 3/8 X 5" LAG SCREWS WITH 3/8" WASHERS.
 - 3: FINISH ATTACHING THE WALL PANELS TO THE UNIT WITH 3/8 X 5" LAG SCREWS INTO THE MAIN DECK BEAM.
 - 4: THE SLIDE WALL PANEL WILL MOUNT FLUSH TO THE TOP OF THE SIDE RAIL, NEXT TO THE CENTER UPRIGHT, ON THE ROCK WALL SIDE OF THE FORT WITH 3/8 X 5" LAG SCREWS AND 3/8" WASHERS.
 - 5: FINISH ATTACHING THE SLIDE WALL PANEL TO THE UNIT WITH 3/8 X 5" LAG SCREWS INTO THE MAIN DECK BEAM.
- SUPPORTS



STEP 12: ROOF SUPPORTS

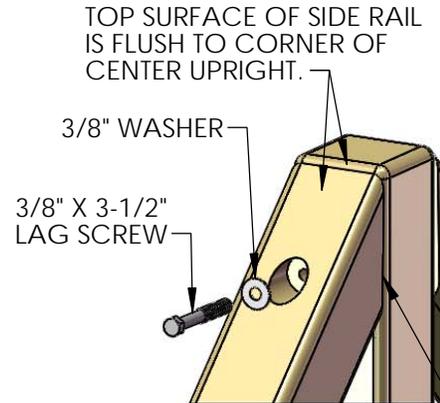
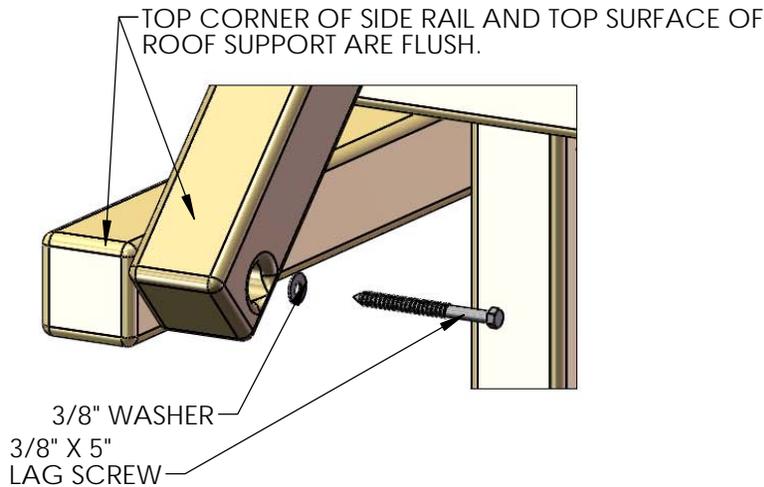
1: FIND FOUR 4 X 4 X 84" ROOF SUPPORTS. THERE ARE TWO FOR THE LEFT SIDE AND TWO FOR THE RIGHT. IT WILL BE HELPFUL TO HAVE AN ASSISTANT HOLD THE ROOF SUPPORT WHILE YOU FASTEN IT TO THE FORT. PREDRILLING A 1/4" HOLE PARTIALLY IN THE BOARDS RECEIVING LAG SCREW WILL, A) MAKE DRIVING IN THE LAG SCREWS EASIER BY HAND AND B) PREVENT POSSIBLE SPLITS IN THE BOARDS.

2: POSITION THE ROOF SUPPORTS SO THAT THE ANGLED END WILL REST FLUSH AGAINST THE CENTER UPRIGHTS, AND THE COUNTERBOREDHOLES AT THE BOTTOM WILL BE FACING TOWARDS THE INSIDE OF THE UNIT.

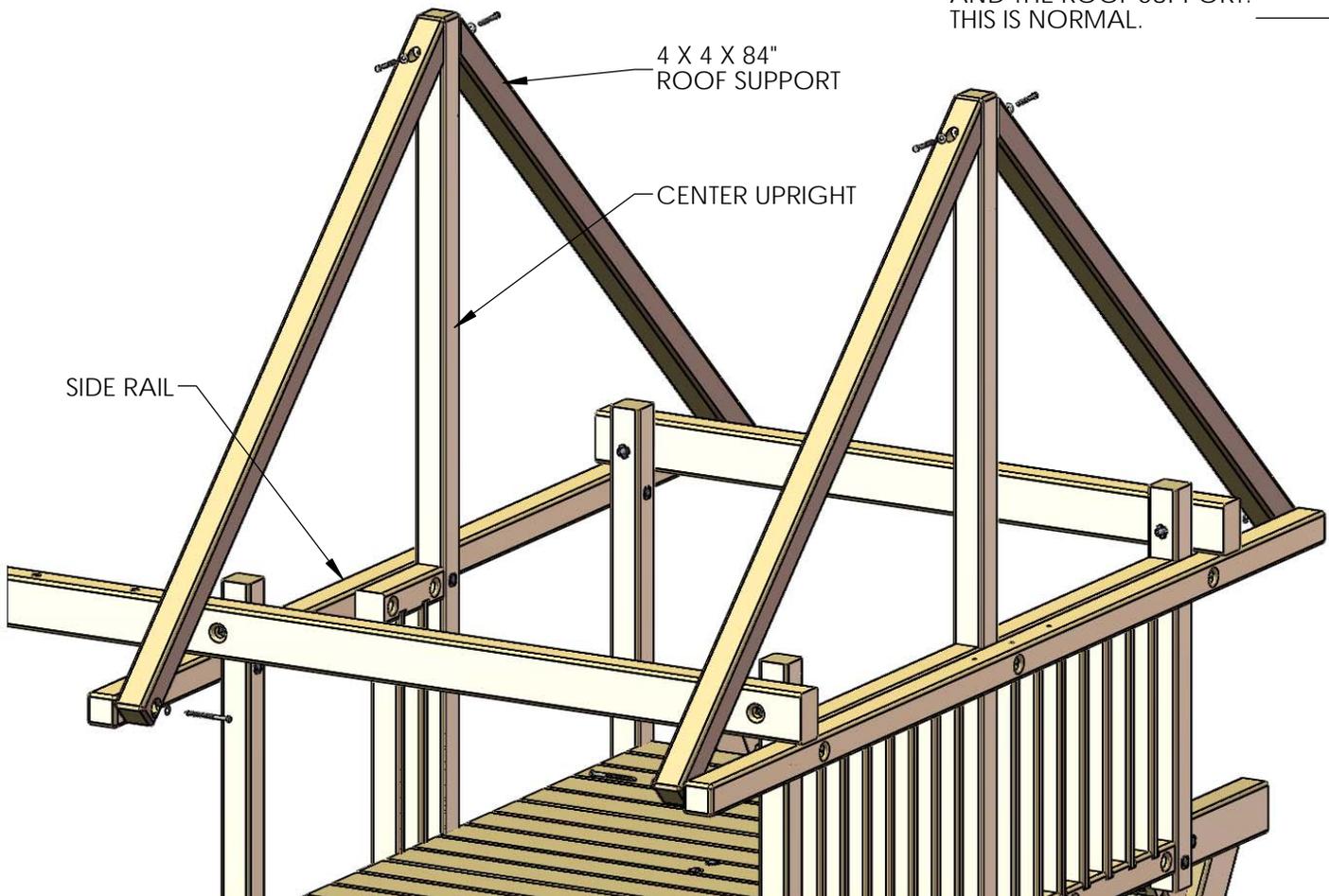
3: FASTEN THE TOP OF EACH ROOF SUPPORT TO THE CENTER UPRIGHTS WITH 3/8" X 3-1/2" LAG SCREWS AND 3/8" WASHERS. **DO NOT TIGHTEN COMPLETELY!**

4: FASTEN THE BOTTOM OF EACH ROOF SUPPORT TO THE SIDE RAILS WITH 3/8" X 5" LAG SCREWS AND 3/8" WASHERS.

5: GO BACK AND SNUG DOWN THE 3/8" X 3-1/2" LAG SCREWS AT THE TOP OF EACH ROOF SUPPORT. YOU DO NOT HAVE TO TIGHTEN THEM SO TIGHT THAT THE SMALL GAP IS CLOSED BETWEEN THE ROOF SUPPORT AND CENTER UPRIGHT. A SMALL GAP BETWEEN THESE BOARDS IS NORMAL.

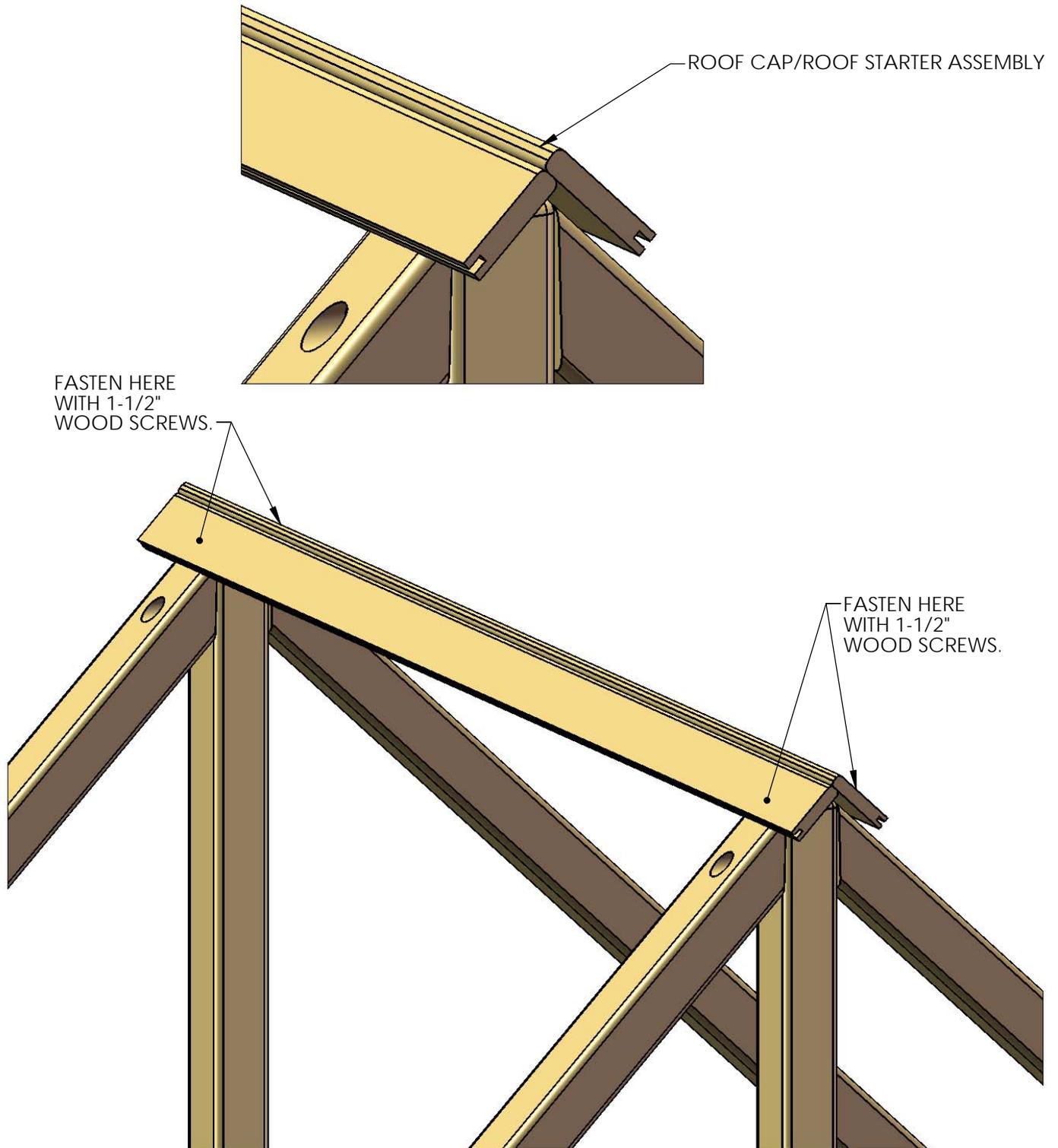


A SMALL GAP WILL BE HERE BETWEEN THE CENTER UPRIGHT AND THE ROOF SUPPORT. THIS IS NORMAL.



STEP 13: ROOF STARTER ASSEMBLY

- 1: PLACE THE ROOF STARTER ASSEMBLY CENTERED ON TOP OF THE ROOF SUPPORTS.
- 2: ATTACH THE ROOF CAP/ROOF STARTER ASSEMBLY TO THE ROOF SUPPORTS WITH FOUR 1-1/2" WOOD SCREWS.



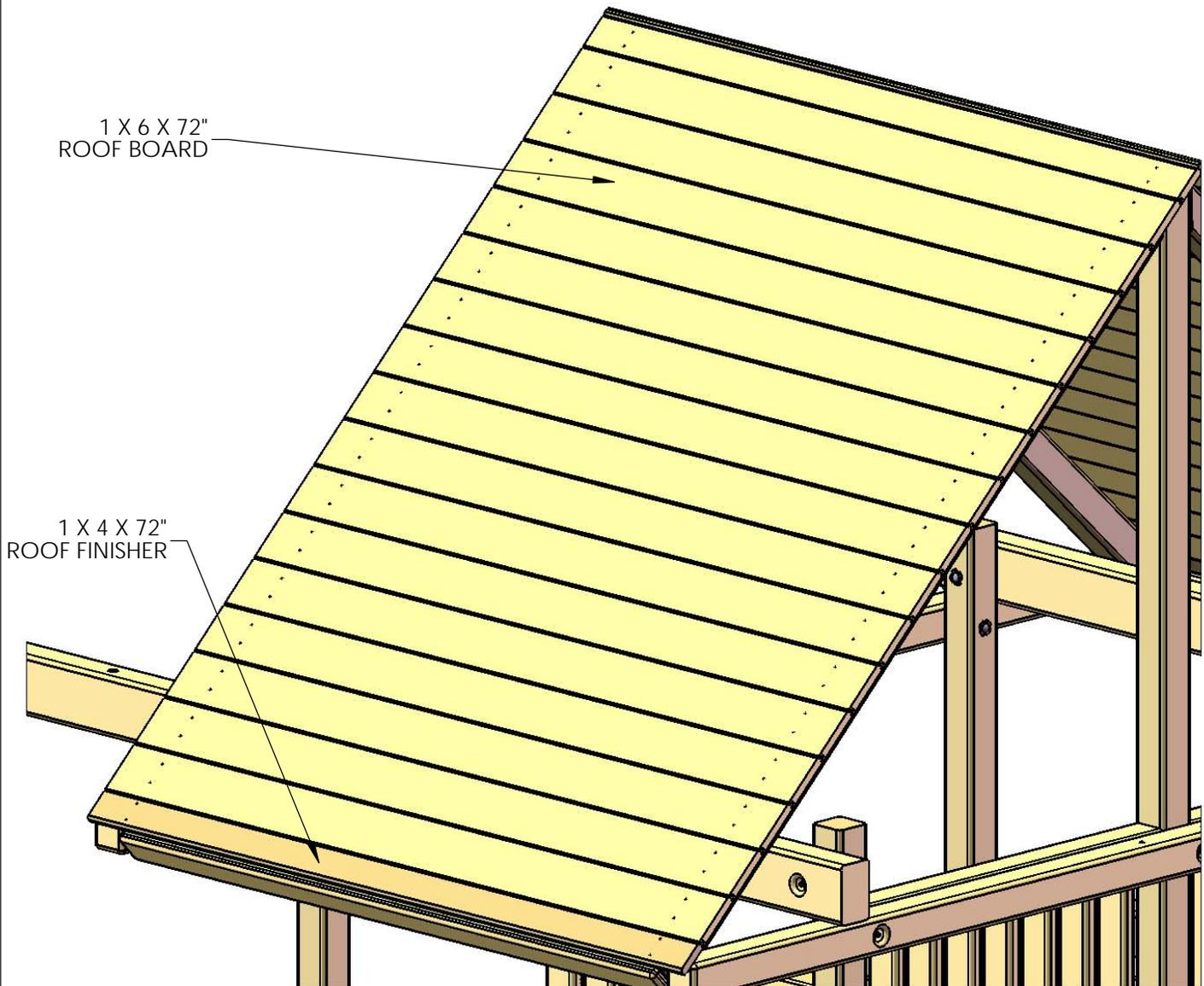
STEP 14: ROOF

1: FIND THIRTY-TWO 1 X 6 X 72" TONGUE-IN-GROOVE ROOF BOARDS, TWO 1 X 4 X 72" TONGUE-ONLY ROOF FINISHERS, AND TWO 5/4 X 4 X 65" ROOF END CAPS.

2: PLACE THE 1 X 6 X 72" ROOF BOARDS ON TOP OF THE ROOF SUPPORTS, FITTING THE TONGUE END INTO THE GROOVE END OF THE ROOF STARTERS. EACH SIDE OF THE ROOF GETS SIXTEEN ROOF BOARDS.

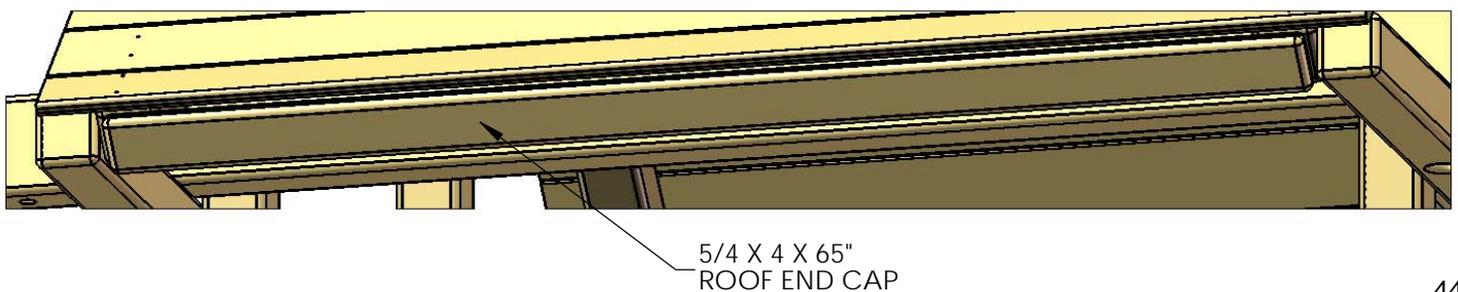
3: FASTEN THE ROOF BOARDS TO THE ROOF SUPPORTS WITH 1-1/2" WOOD SCREWS.

4: PLACE A 1 X 4 X 72" ROOF FINISHER ON EACH END OF THE ROOF, AND FASTEN WITH 1-1/2" WOOD SCREWS.



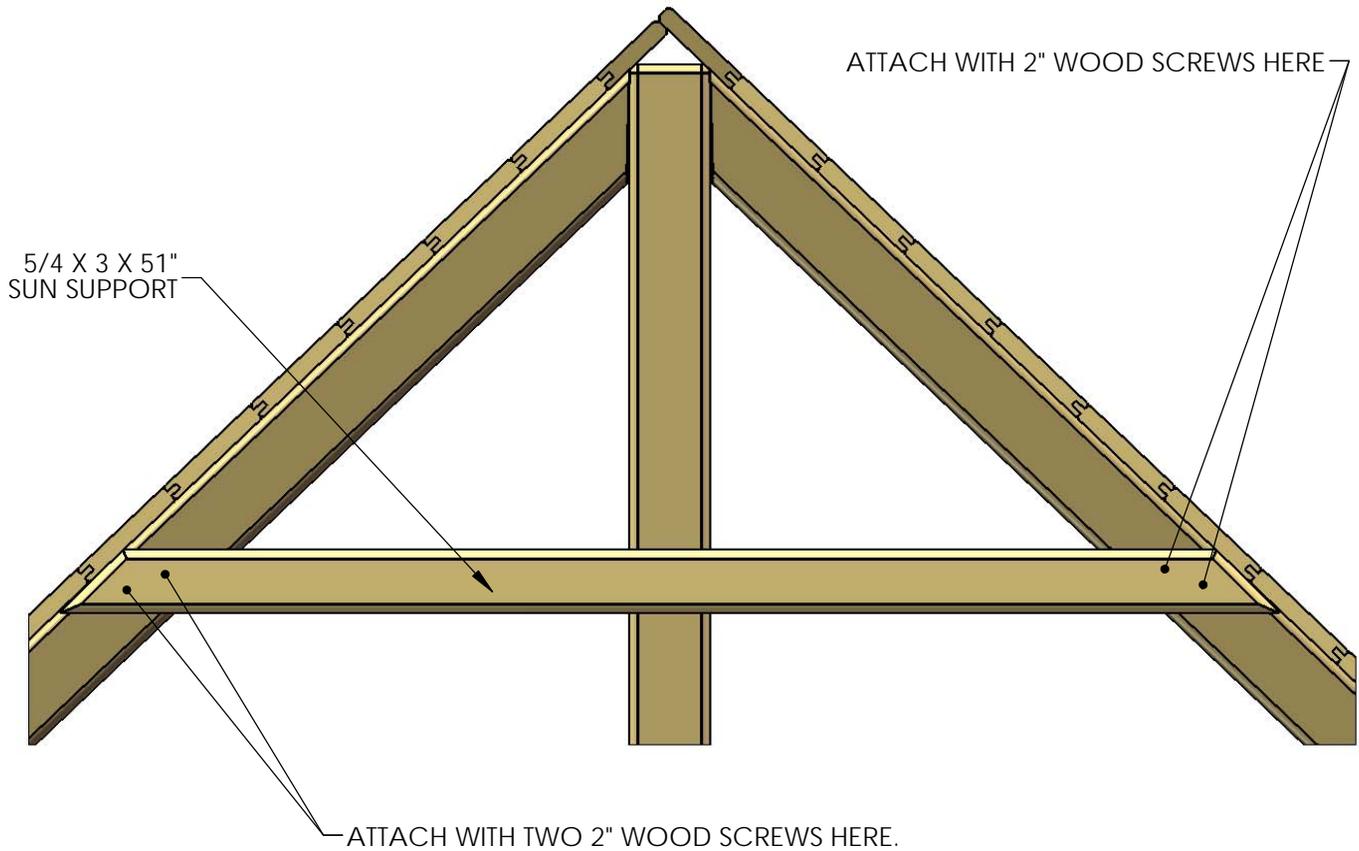
5: PLACE THE ROOF END CAPS AT THE ENDS OF THE ROOF SUPPORTS, CENTERED BETWEEN THE SIDE RAILS.

6: FASTEN THE ROOF END CAPS TO THE ROOF SUPPORTS WITH 2" WOOD SCREWS



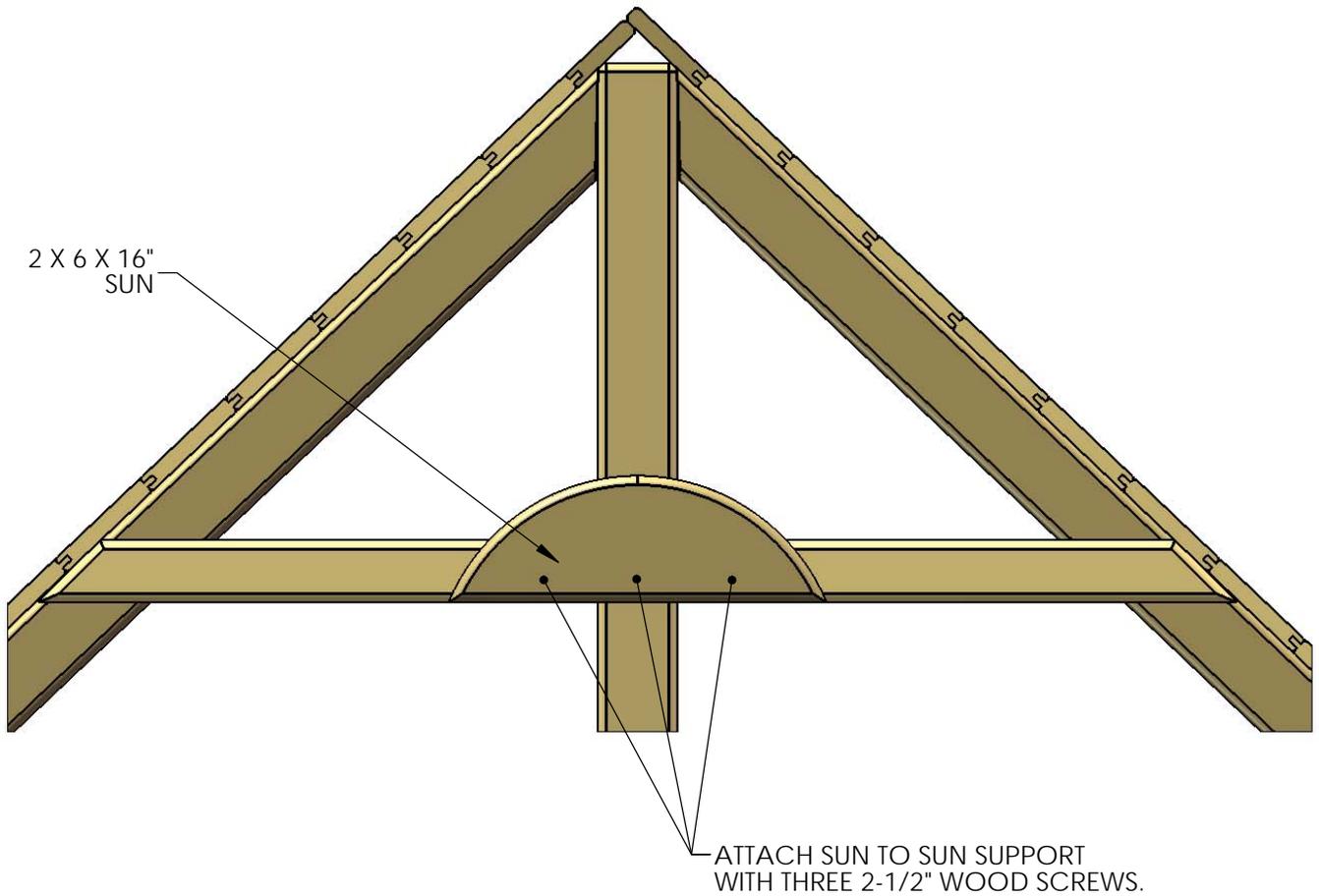
STEP 15: SUNBURST

- 1: FIND TWO 5/4 X 3 X 51" SUN SUPPORTS.
- 2: PLACE THE SUN SUPPORT ON THE OUTSIDE OF THE FORT, AGAINST THE ROOF SUPPORTS AND CENTER UPRIGHT. THE ANGLED ENDS OF THE SUN SUPPORT WILL REST UNDERNEATH THE ROOF BOARDS.
- 3: BEFORE ATTACHING TO THE FORT, MAKE SURE THE SUN SUPPORT IS LEVEL.
- 4: ATTACH THE SUN SUPPORT TO THE ROOF SUPPORTS WITH 2" WOOD SCREWS.
- 5: REPEAT SUBSTEPS 2 THROUGH 4 FOR THE SUN SUPPORT ON THE OTHER SIDE OF THE ROOF.



STEP 16: SUNBURST

- 1: FIND TWO 2 X 6 X 16" SUNS.
- 2: PLACE THE SUN ON THE OUTSIDE OF THE SUN SUPPORT, CENTERED TO THE CENTER UPRIGHT.
- 3: ATTACH THE SUN TO THE SUN SUPPORT WITH THREE 2-1/2" WOOD SCREWS.
- 4: REPEAT SUBSTEPS 2 THROUGH 3 FOR THE OTHER SUN PIECE ON THE OTHER SIDE OF THE ROOF.



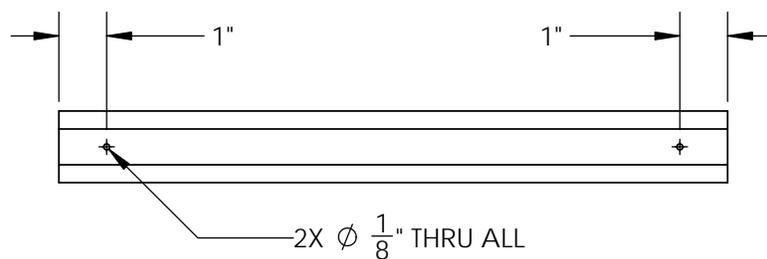
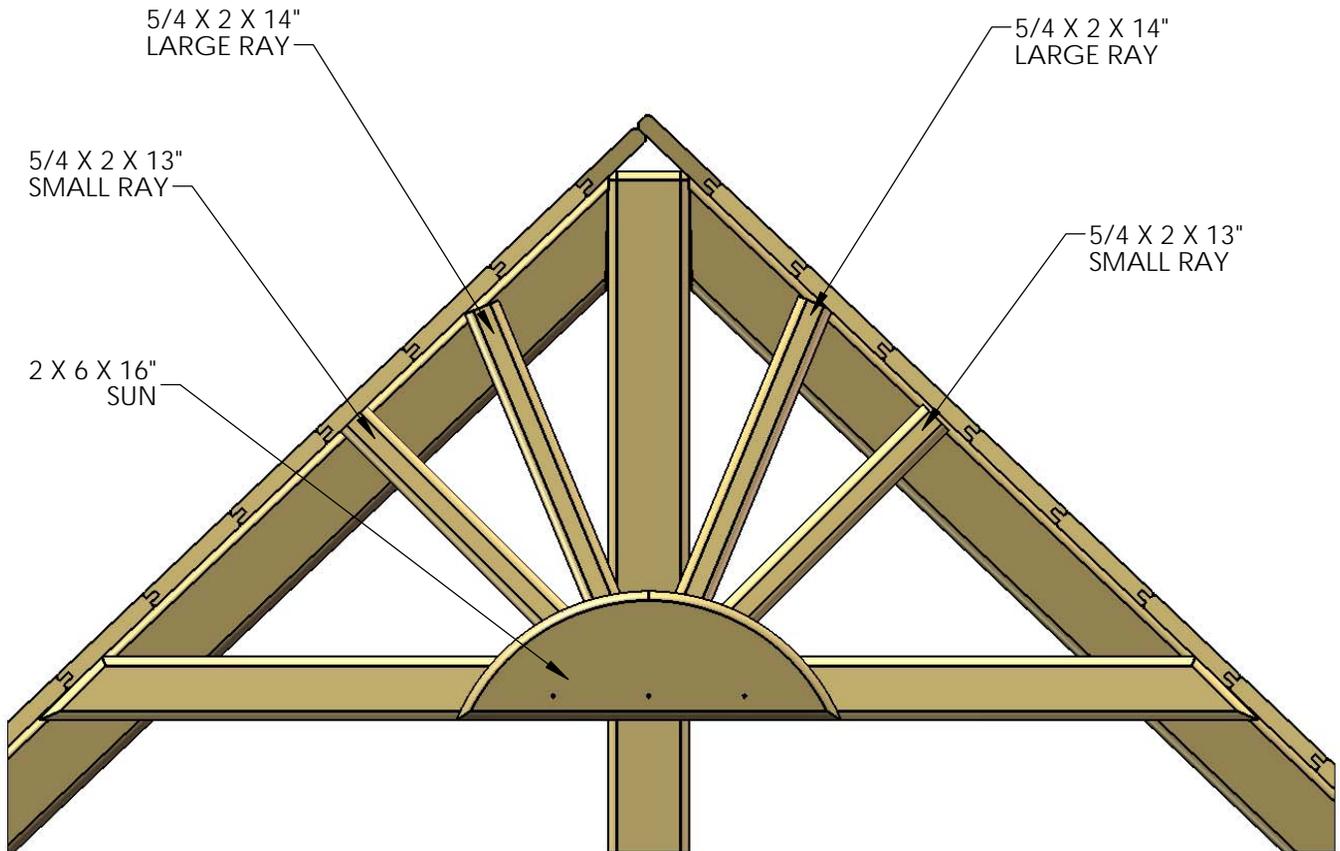
STEP 17: SUNBURST

1: FIND FOUR 5/4 X 2 X 14" LARGE RAYS, AND FOUR 5/4 X 2 X 13" SMALL RAYS.

2: PLACE THE LARGE RAYS BETWEEN THE CENTER UPRIGHT AND SUN AT AN ANGLE THAT ALLOWS THEM TO TOUCH THE ROOF PEAK AND NOT EXTEND PAST THE CENTER OF THE SUN. THE SMALL RAYS WILL INSTALL IN THE SAME MANNER AS THE LARGE RAYS. SEE BELOW FOR EXAMPLE.

3: PREDRILL A 1/8" DIAMETER HOLE 1" IN FROM EACH END OF EACH RAY. (SEE BOTTOM DIAGRAM BELOW)

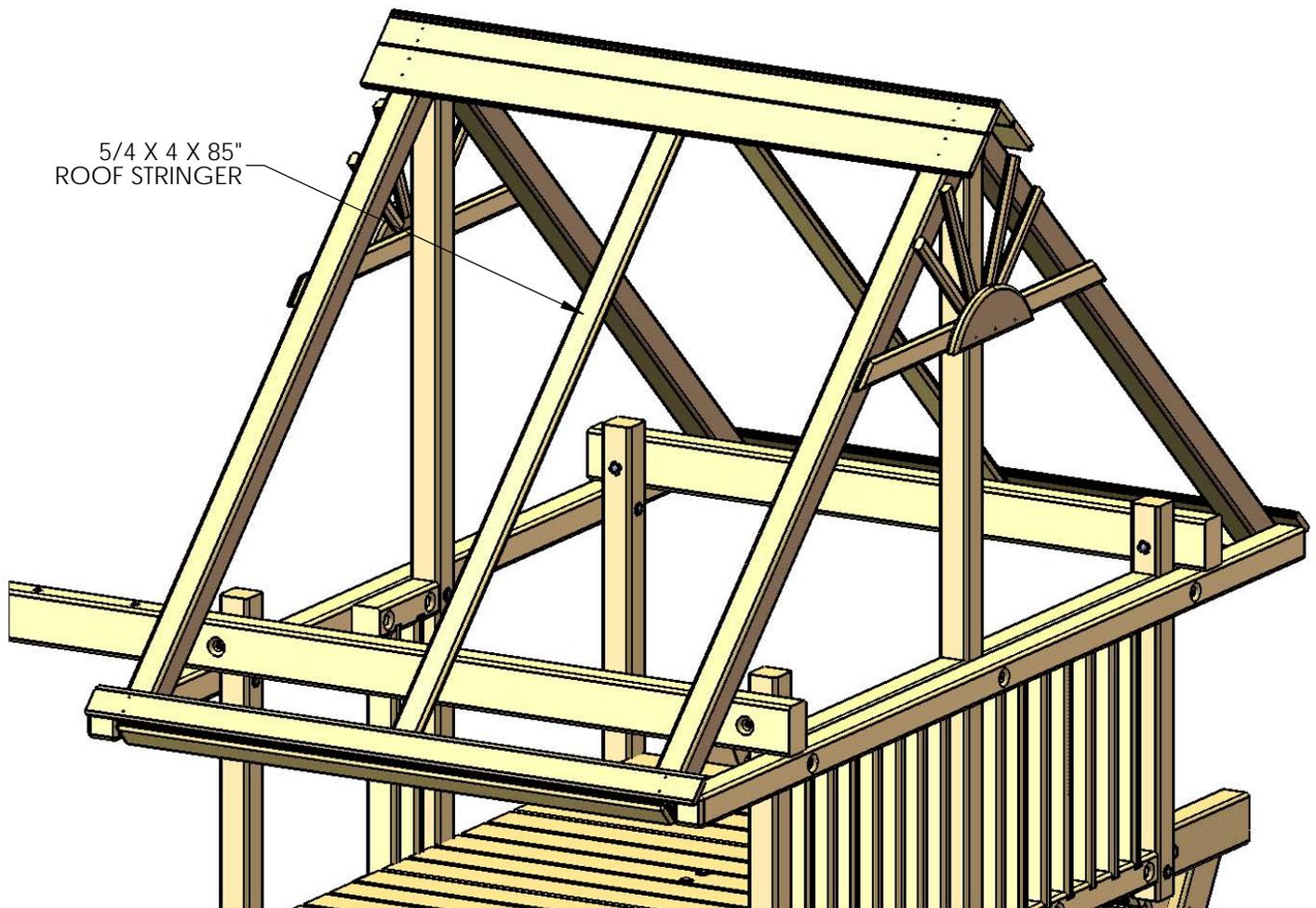
4: ATTACH ALL RAYS WITH 2" WOOD SCREWS.



STEP 18: ROOF STRINGERS

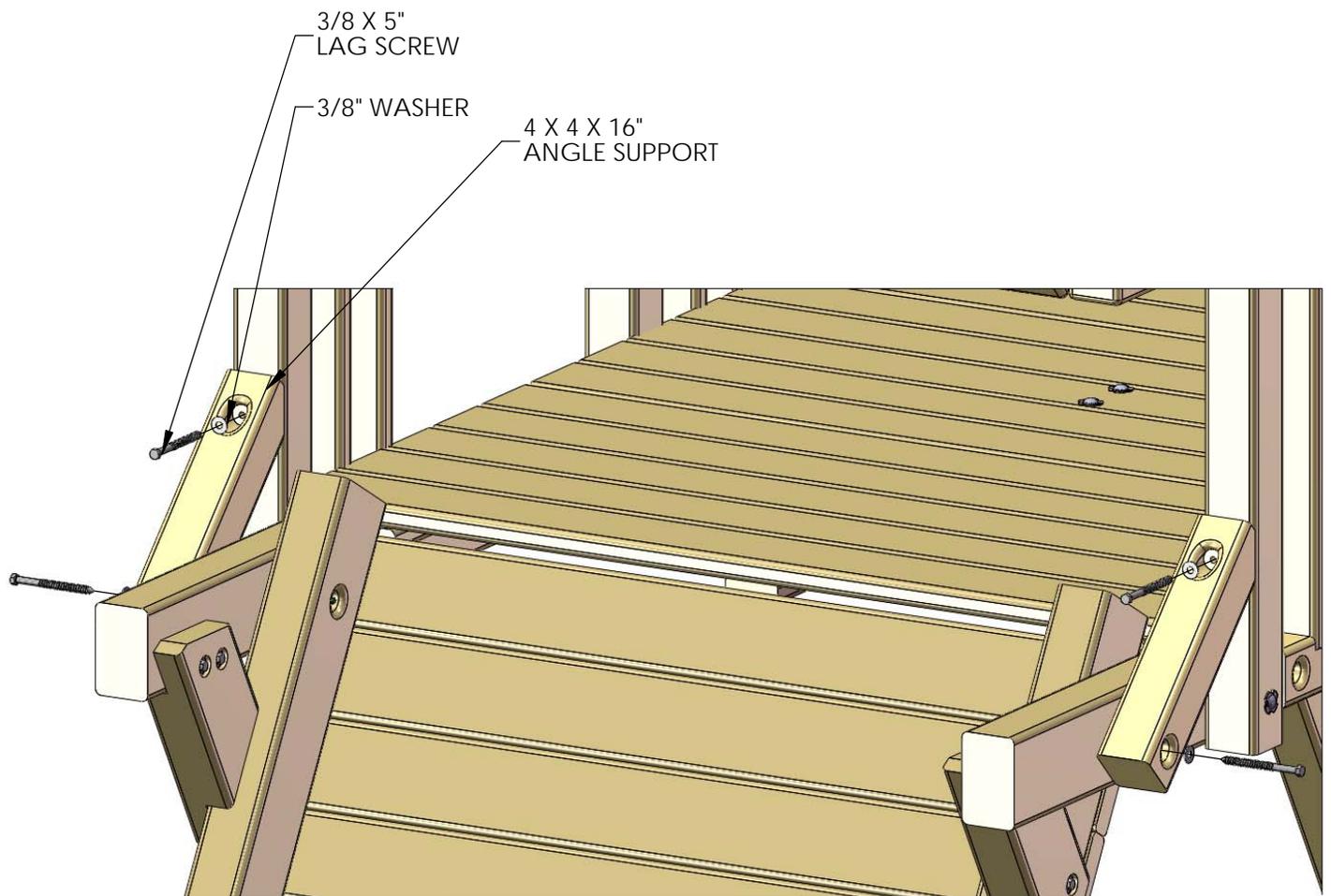
- 1: FIND TWO 5/4 X 4 X 85" ROOF STRINGERS.
- 2: CENTER THE ROOF STRINGERS FROM INSIDE THE FORT ON THE ROOF BOARDS.
- 3: ATTACH THE ROOF STRINGER TO THE ROOF BOARDS WITH 1-1/2" WOOD SCREWS, USING TWO SCREWS PER ROOF BOARD.

ROOF BOARDS HIDDEN FROM VIEW
FOR ASSEMBLY CLARITY



STEP 19: ANGLE SUPPORTS

- 1: FIND FOUR 4 X 4 X 16" ANGLE SUPPORTS. THERE ARE TWO FOR THE LEFT SIDE AND TWO FOR THE RIGHT.
- 2: POSITION THE ANGLE SUPPORTS SO THAT THE ANGLED END WILL REST FLUSH AGAINST THE CORNER UPRIGHTS, AND THE COUNTERBORED HOLES WILL BE FACING TOWARDS THE OUTSIDE OF THE UNIT.
- 3: USE 3/8 X 5" LAG SCREWS WITH 3/8" WASHERS TO ATTACH THE ANGLE SUPPORTS TO THE FORT.

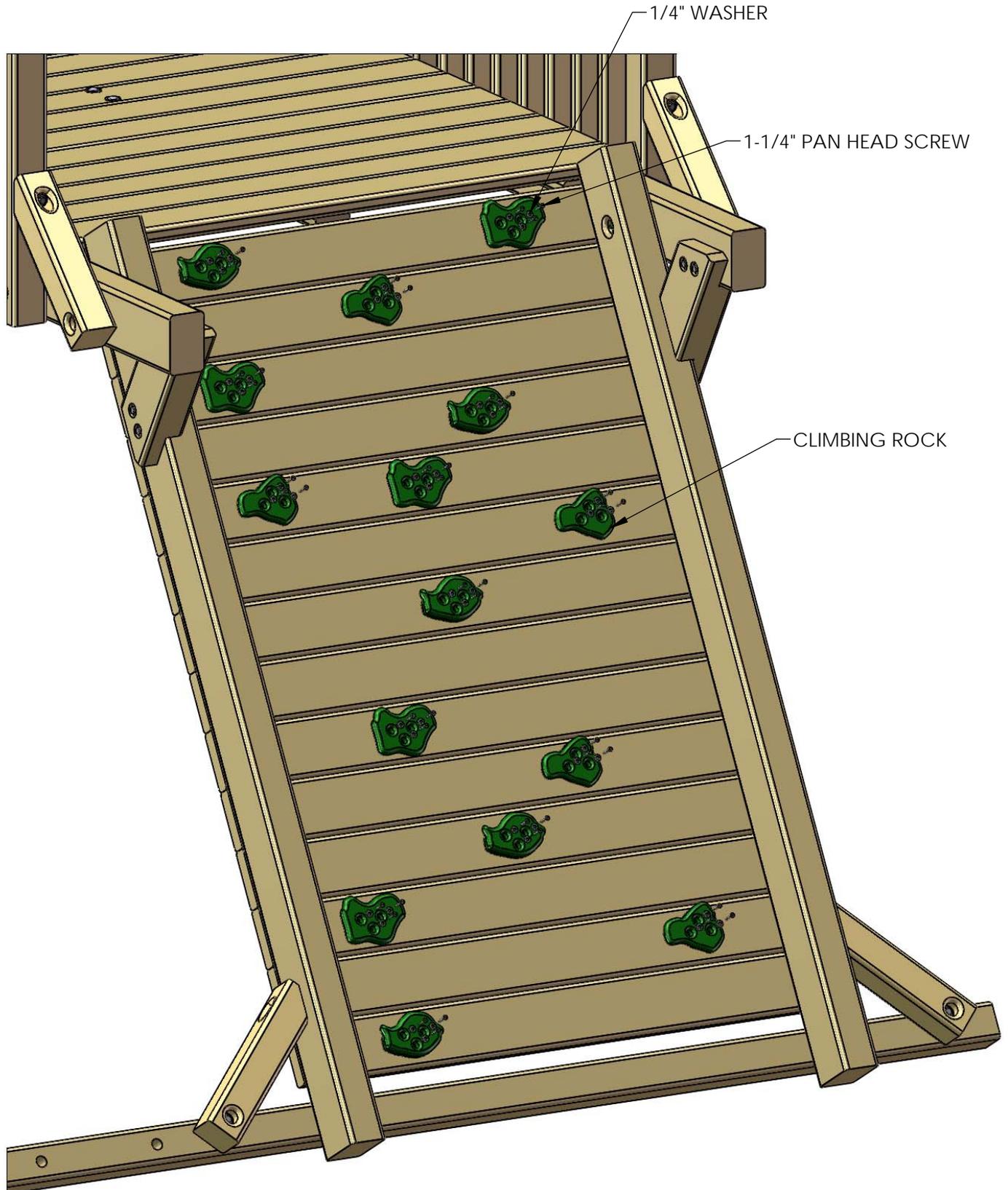


STEP 20: CLIMBING ROCKS

1: FIND FIFTEEN ROCKS, THIRTY 1-1/4" PAN HEAD SCREWS AND THIRTY 1/4" WASHERS. (THIS HARDWARE IS INCLUDED WITH THE ROCKS.)

2: MOUNT THE ROCKS IN A STAGGERED MANNER ON THE ROCK WALL BOARDS. THREE PAN HEAD SCREWS AND THREE WASHERS WILL SECURE EACH ROCK TO THE WALL.

NOTE: THE IMAGE SHOWN BELOW IS A GENERIC ARRANGEMENT OF ROCKS ON THE ROCK WALL. YOUR ACTUAL CONFIGURATION MAY BE DIFFERENT THAT WHAT YOU SEE BELOW. ROCKS CAN BE ARRANGED IN ANY PATTERN AS LONG AS THEY WILL ALLOW PROPER ACCESS TO THE FORT. BE CREATIVE!



STEP 21: ROPE LADDER

- 1: THREAD THE ROPE THROUGH THE HOLES IN THE ROPE LADDER SUPPORT FROM THE BOTTOM THROUGH THE TOP. FORM A SECURE KNOT AT THE TOP OF THE ROPE LADDER SUPPORT.
- 2: THREAD THE ROPE THROUGH THE HOLES IN THE ROPE LADDER RUNNER FROM THE FRONTSIDE OF THE ROPE LADDER RUNNER, THROUGH THE BACK SIDE. TIE A SECURE KNOT AT THE BACK SIDE OF THE ROPE LADDER RUNNER.
- 3: MAKE SURE THAT ALL THE RUNGS ARE LEVEL, AND THAT ALL THE ROPES ARE TIED TIGHT. ATTEMPT TO WRAP EACH ROPE AROUND YOUR HAND. IF THE ROPE WRAPS AROUND YOUR HAND IT IS TOO LOOSE. UNTIE AND THE RETIE THE KNOT AT THE BOTTOM UNTIL THE ROPE NO LONGER WRAPS AROUND YOUR HAND.

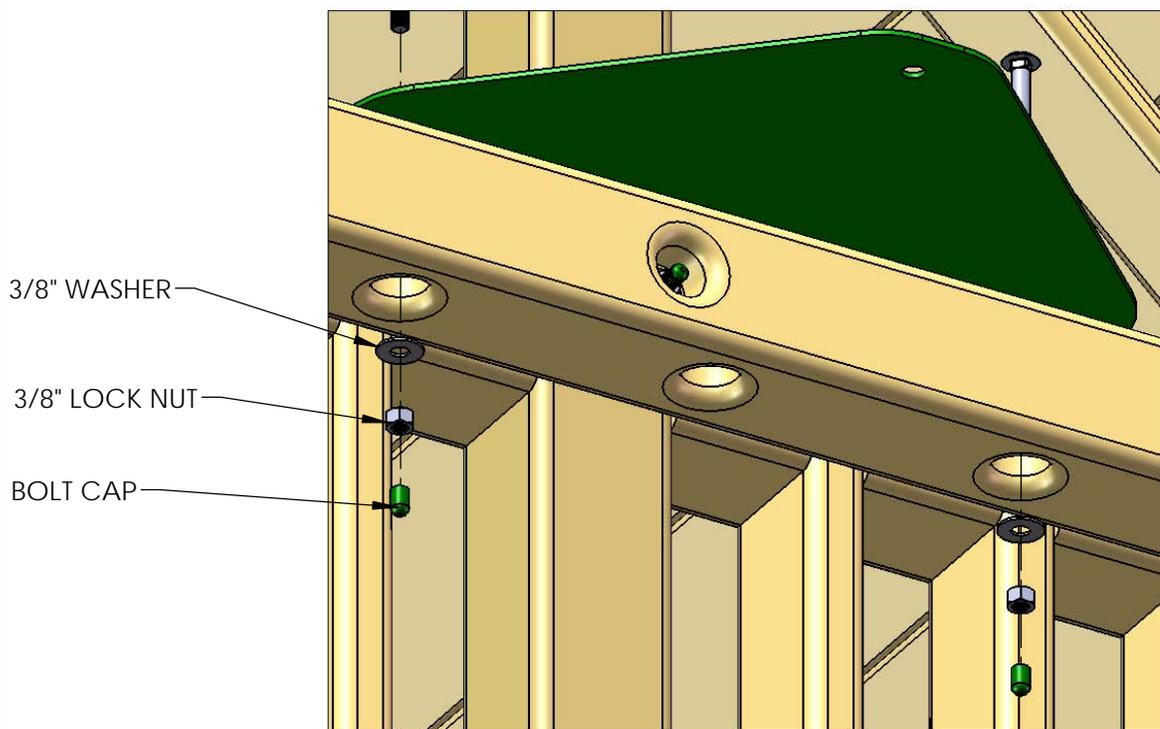
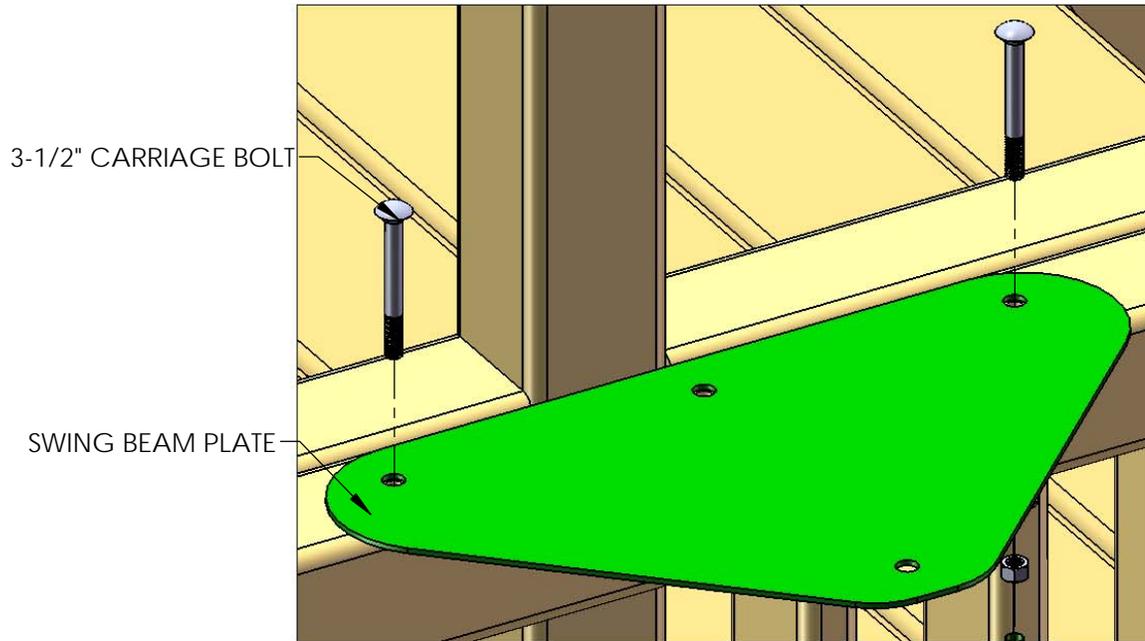


STEP 22: SWING BEAM PLATE

1: PLACE THE SWING BEAM PLATE ON TOP OF THE SWING BEAM SIDE RAIL, LINING UP PILOT HOLES.

2: FASTEN THE SWING BEAM PLATE TO THE SWING BEAM SIDE RAIL ON THE OUTSIDE HOLES USING 3-1/2" CARRIAGE BOLTS TOP, AND 3/8" WASHERS AND 3/8" LOCK NUTS ON THE BOTTOM. PLACE GREEN BOLT COVERS OVER EXPOSED THREADS AFTER SECURING.

3: LEAVE THE MIDDLE HOLE EMPTY, IT WILL BE USED LATER.



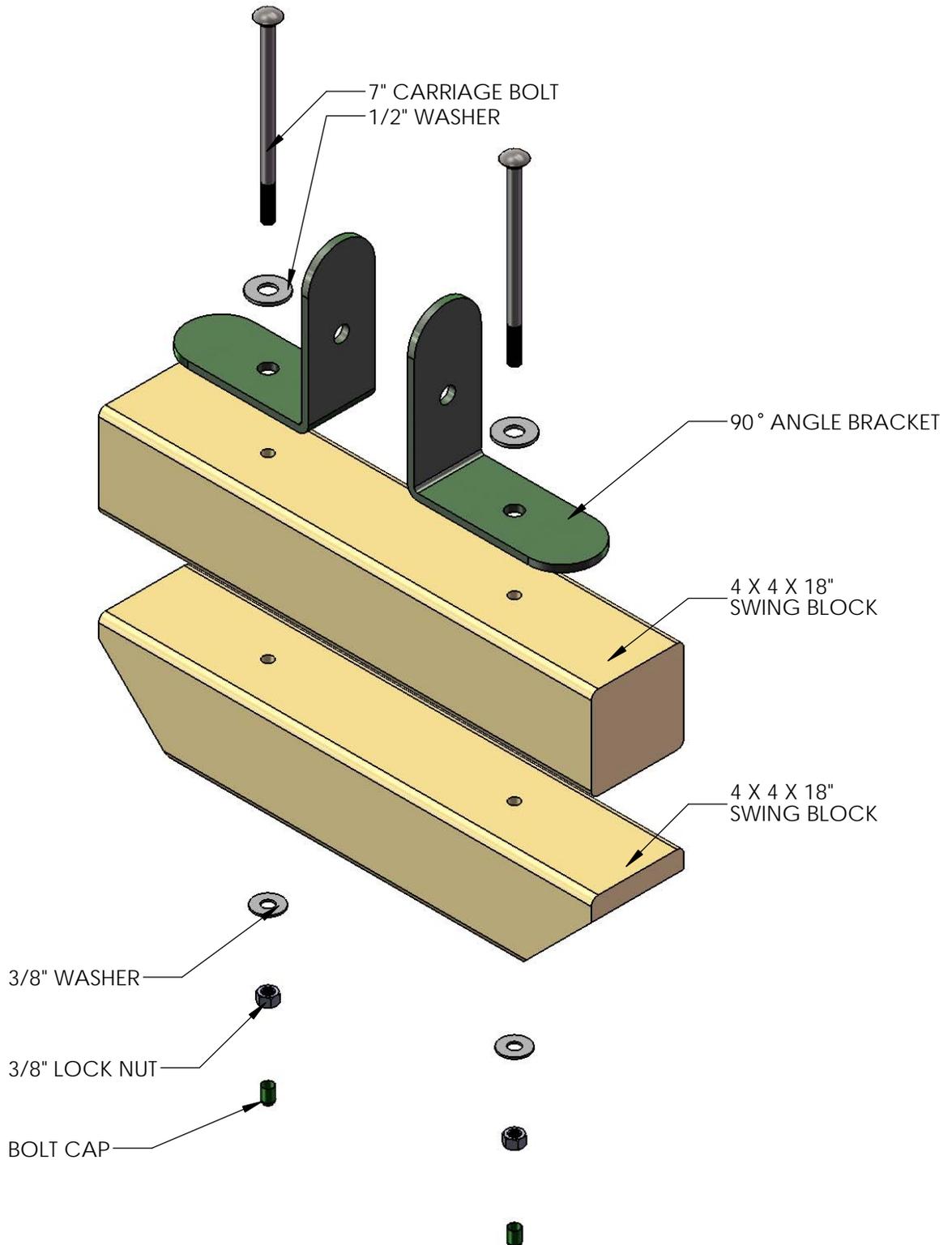
STEP 23: SWING BEAM

1: BOLT SWING BEAM BLOCK SUPPORTS TOGETHER WITH 7" CARRIAGE BOLTS AND 1/2" WASHERS THROUGH THE 90° ANGLE BRACKETS.

2: USE 3/8" WASHERS AND 3/8" LOCK NUTS ON BOTTOM SIDE OF BLOCK.

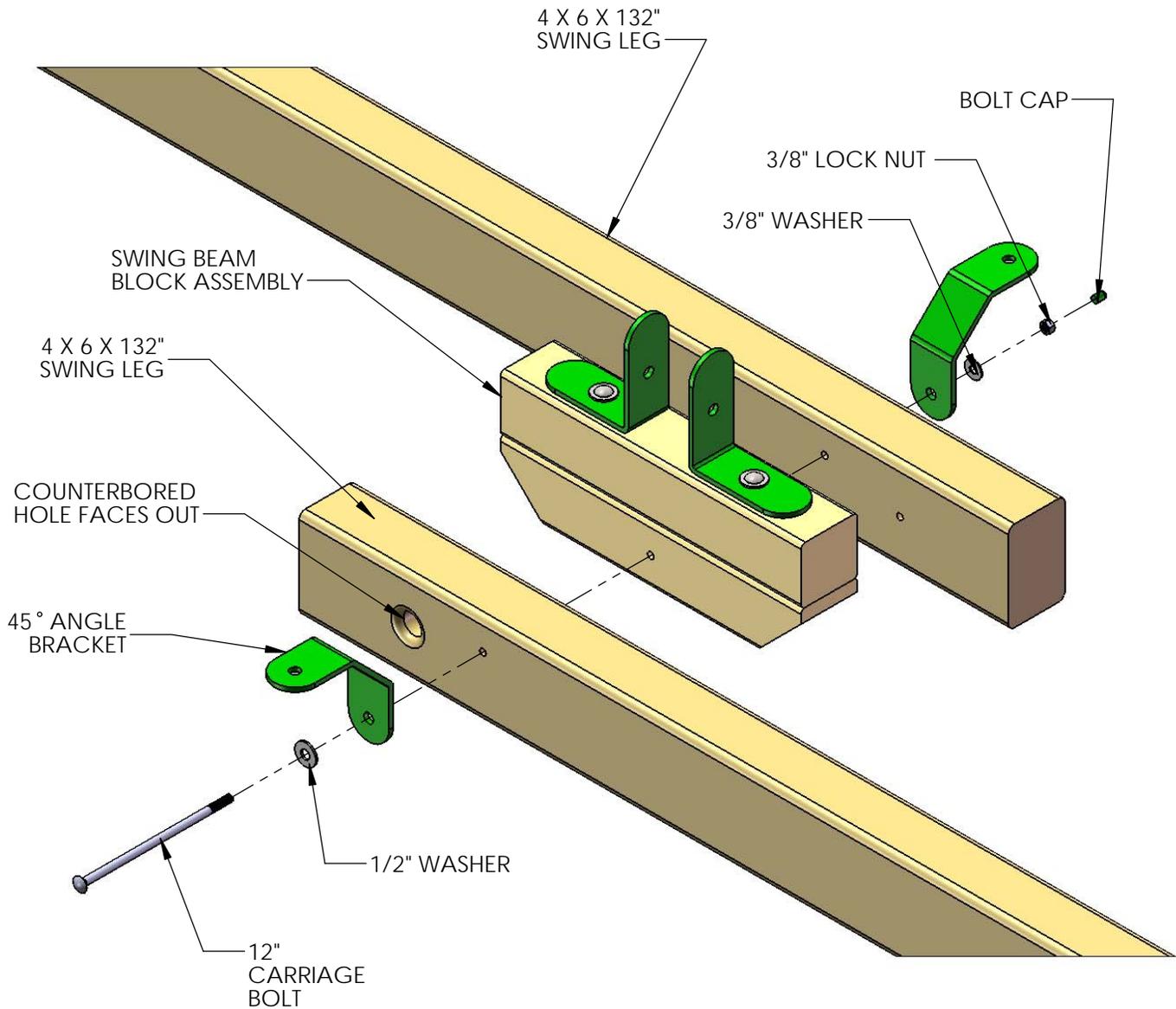
3: USE BOLT CAPS TO COVER ANY EXPOSED THREADS

*NOTE: YOU WILL NEED TO USE LOCKING PLIERS (VISE GRIPS) TO HOLD THE HEAD OF THE CARRIAGE BOLT WHILE TIGHTENING THE 3/8" LOCK NUT.



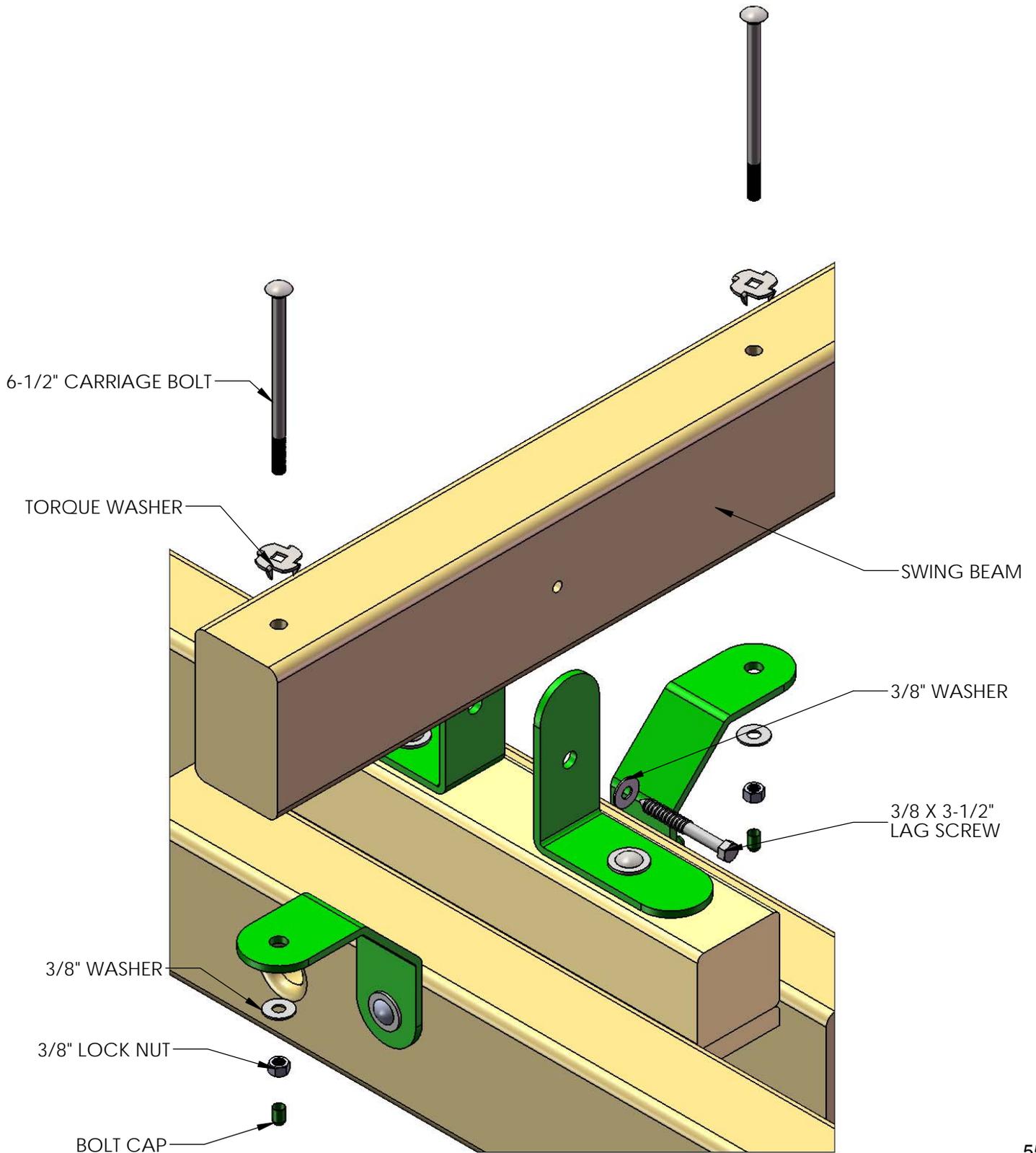
STEP 24: SWING BEAM

- 1: PLACE SWING BEAM BLOCK ASSEMBLY ON THE GROUND.
 - 2: PLACE THE 4 X 6 X 132" SWING BEAM LEGS BESIDE THE BEAM BLOCK WITH THE COUNTERBORED HOLES FACING OUT.
 - 3: HOLD IN PLACE AND SLIDE 12" CARRIAGE BOLT WITH 1/2" WASHER THROUGH THE 45 ° ANGLE BRACE, 4 X 6 LEG, SWING BEAM BLOCK ASSEMBLY, 4 X 6 LEG, AND 45 ° ANGLE BRACE.
 - 4: USE A 3/8" LOCK NUT WITH A 3/8" WASHER ON THE OPPOSITE SIDE. USE A BOLT CAP TO COVER ANY EXPOSED THREADS.
- NOTE: DO NOT FULLY TIGHTEN THE LOCK NUT AT THIS TIME. THE LEGS WILL NEED TO BE ABLE TO BE ADJUSTED LATER.



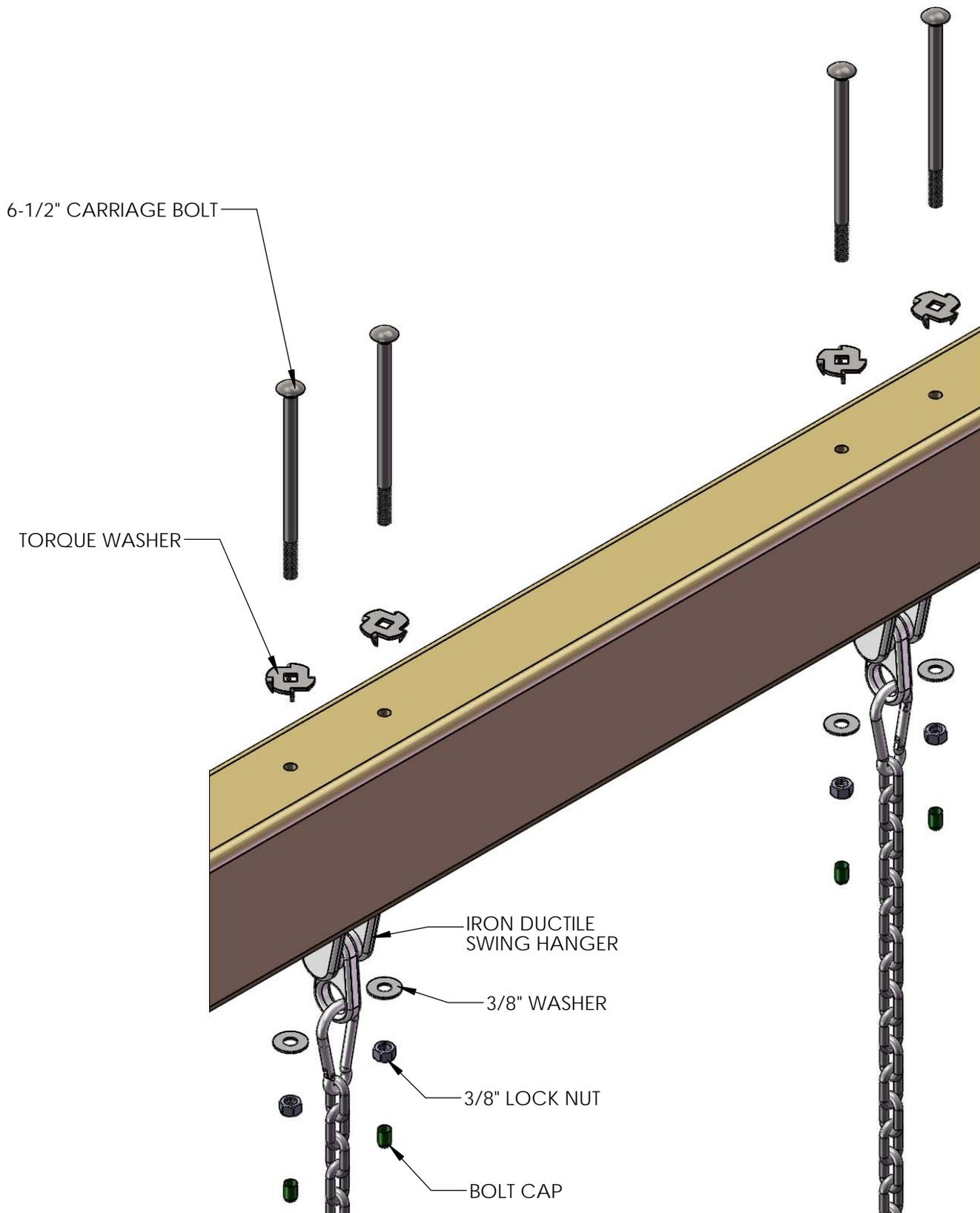
STEP 25: SWING BEAM

- 1: PLACE SWING BEAM BETWEEN 90° SWING BEAM BRACES.
- 2: FASTEN THE SWING BEAM TO THE SWING LEGS FROM THE TOP OF THE SWING BEAM USING 6-1/2" CARRIAGE BOLTS WITH TORQUE WASHERS. USE 3/8" LOCK NUTS WITH 3/8" WASHERS ON THE 45° ANGLE BRACES.
- 3: PLACE BOLT CAPS OVER ANY EXPOSED THREADS.
- 4: USE 3/8 X 3-1/2" LAG SCREWS WITH 3/8" WASHERS IN THE 90° ANGLE BRACKETS. ANGLE THE SCREWS UP OR DOWN SLIGHTLY TO PREVENT INTERFERENCE INSIDE THE SWING BEAM.



STEP 26: SWING BEAM

- 1: LINE UP THE HOLES OF THE IRON DUCTILE SWING HANGERS WITH THE HOLES IN THE SWINGBEAM.
- 2: FASTEN THE SWING HANGER TO THE SWING BEAM USING 6-1/2" CARRIAGE BOLTS WITH TORQUE WASHERS, AND 3/8" WASHERS WITH 3/8" LOCK NUTS.
- 3: PLACE BOLT CAPS OVER EXPOSED THREADS.



STEP 27: MOUNT SWING BEAM TO FORT

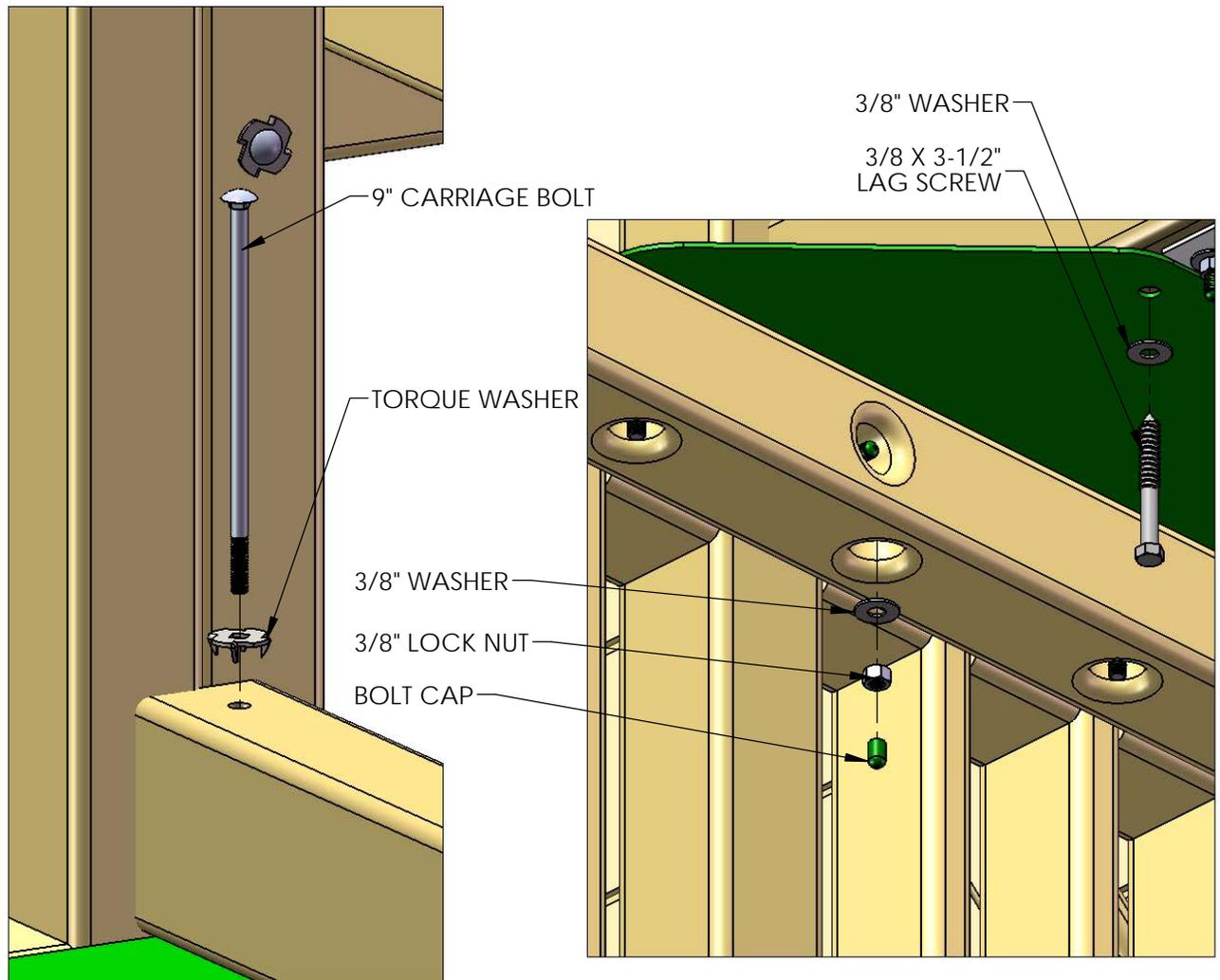
*AN EXTRA PERSON IS REQUIRED FOR THIS STEP

1: PICK UP THE SWING BEAM AND LEG ASSEMBLY. AS YOU LIFT THE BEAM, THE LEGS WILL SCISSOR CLOSER TOGETHER. **KEEP CHILDREN AWAY DURING THIS STEP. AS THE LEGS CLOSE, THEY CREATE A PINCH POINT AND COULD CAUSE SERIOUS INJURY!** PLACE THE END OF THE SWING BEAM ON TOP OF THE SWING BEAM PLATE.

2: LINE UP THE PILOT HOLE ON THE END OF THE SWING BEAM WITH THE MIDDLE HOLE ON THE SWING BEAM PLATE.

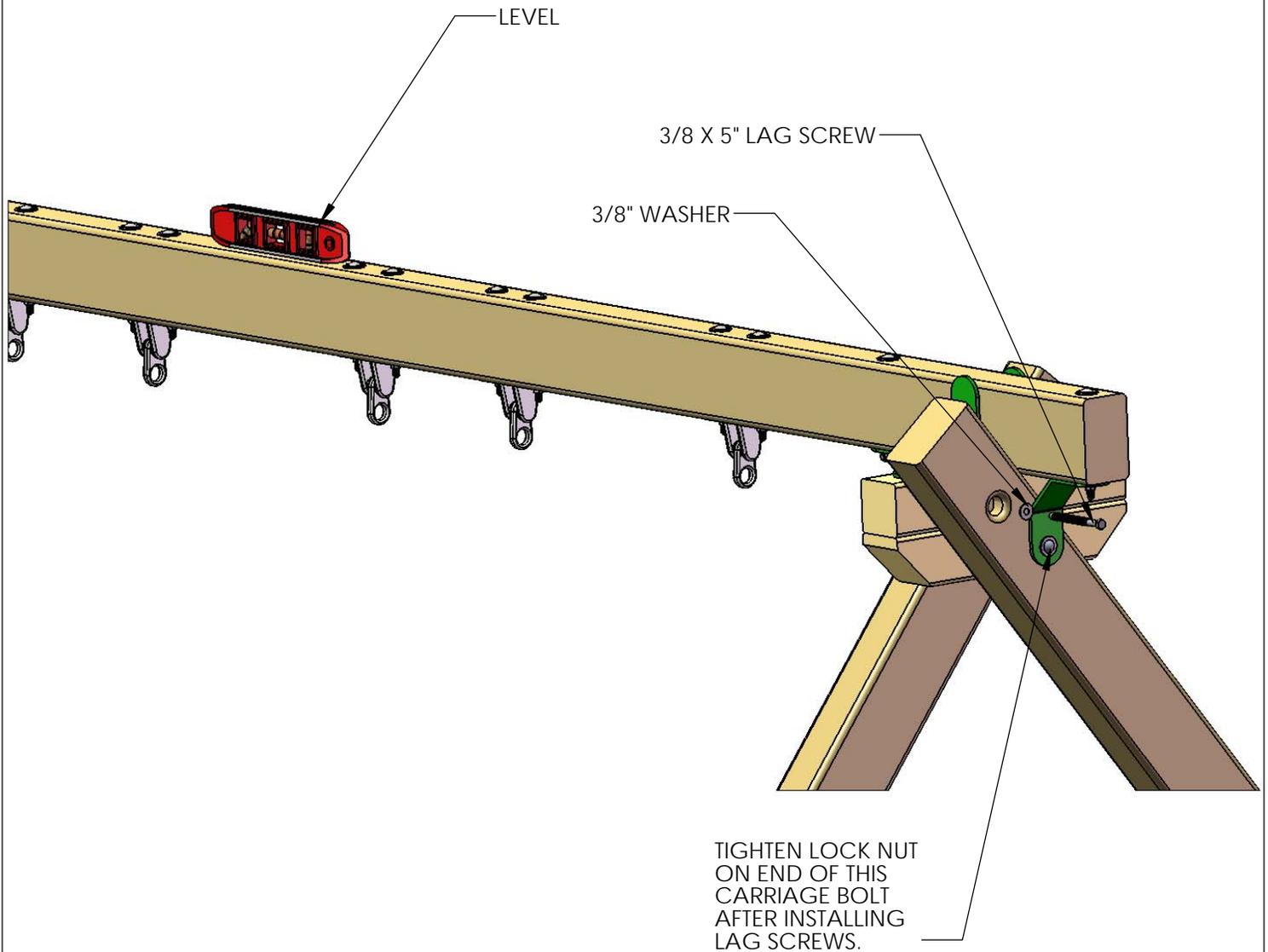
3: FASTEN THE SWING BEAM TO THE SWING BEAM PLATE AND SWING BEAM SIDE RAIL USING A 9" CARRIAGE BOLT WITH A TORQUE WASHER ON TOP AND A 3/8" LOCK NUT AND WASHER ON THE BOTTOM. PLACE GREEN BOLT CAPS OVER EXPOSED THREADS AFTER SECURING.

4: FASTEN THE SWING BEAM TO THE SWING BEAM PLATE FROM UNDERNEATH WITH A 3/8 X 3-1/2" LAG SCREW AND A 3/8" WASHER.



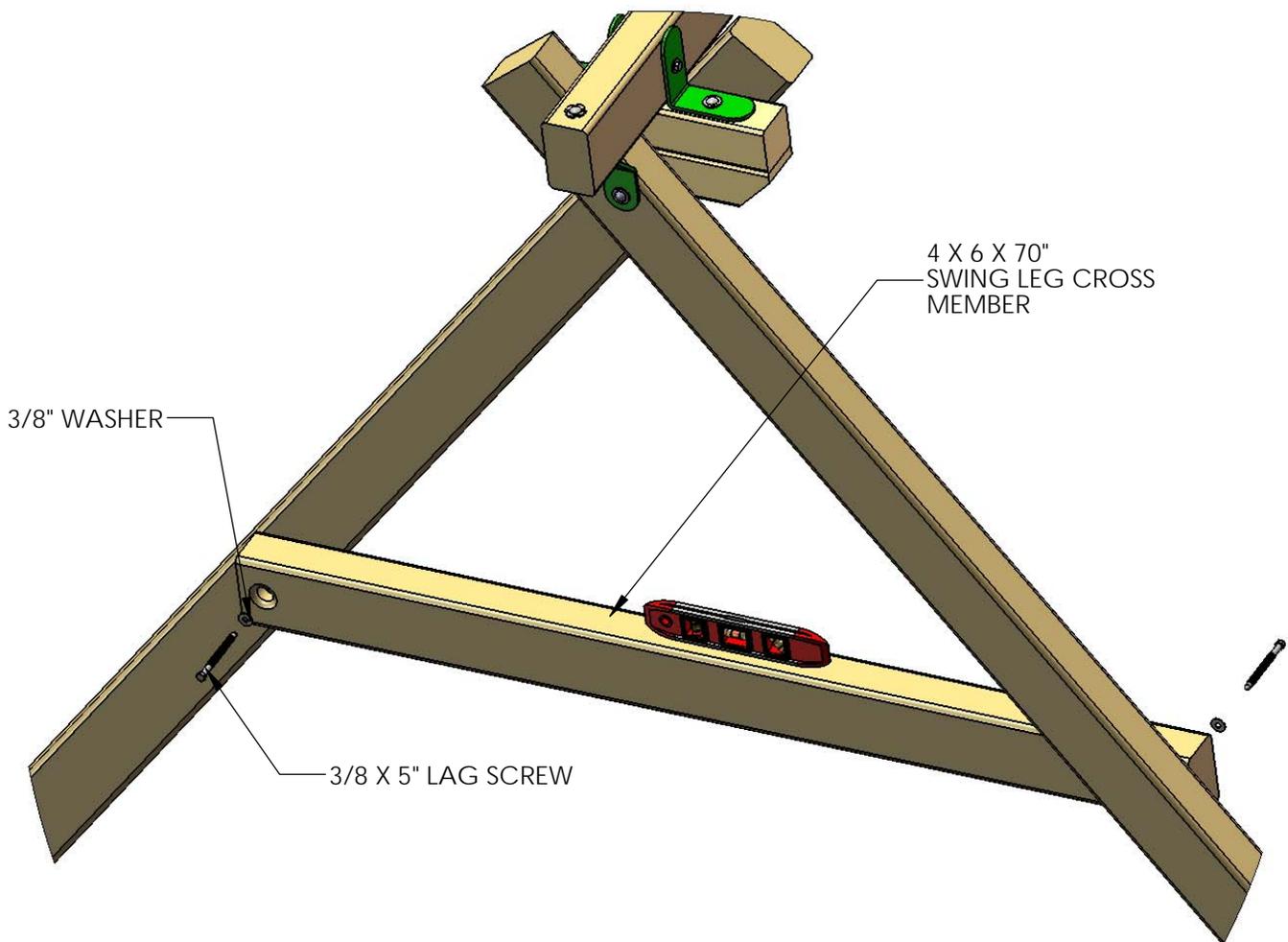
STEP 28: SWING BEAM LEGS

- 1: USE THE SWING BEAM LEGS TO LEVEL THE SWING BEAM.
- 2: FASTEN THE SWING BEAM LEGS TO THE SWING BLOCK ASSEMBLY WITH 3/8 X 5" LAG SCREWS AND 3/8" WASHERS.
- 3: TIGHTEN THE 12" CARRIAGE BOLT THAT WAS INSTALLED EARLIER. YOU MAY NEED TO USE LOCKING PLIERS TO HOLD THE CARRIAGE BOLT IN PLACE WHEN INSTALLING.



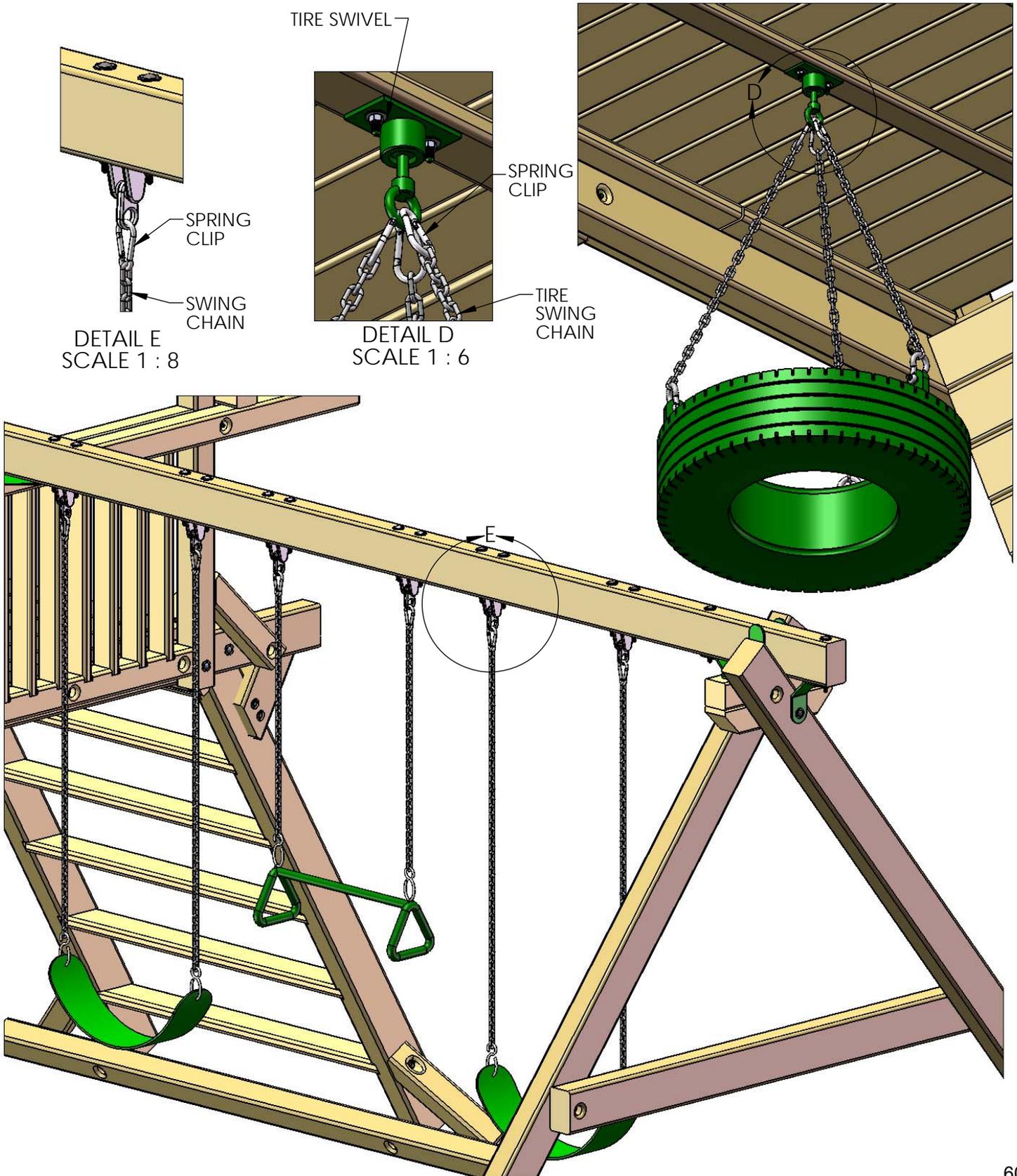
STEP 29: SWING BEAM CROSS MEMBER

1: PLACE THE 4 X 6 X 70" SWING LEG CROSS MEMBER ON THE SWING BEAM LEGS AND LEVEL. FASTEN 4 X 6 CROSS MEMBER TO 4 X 6 LEGS WITH 3/8 X 5" LAG SCREWS AND 3/8" WASHERS.



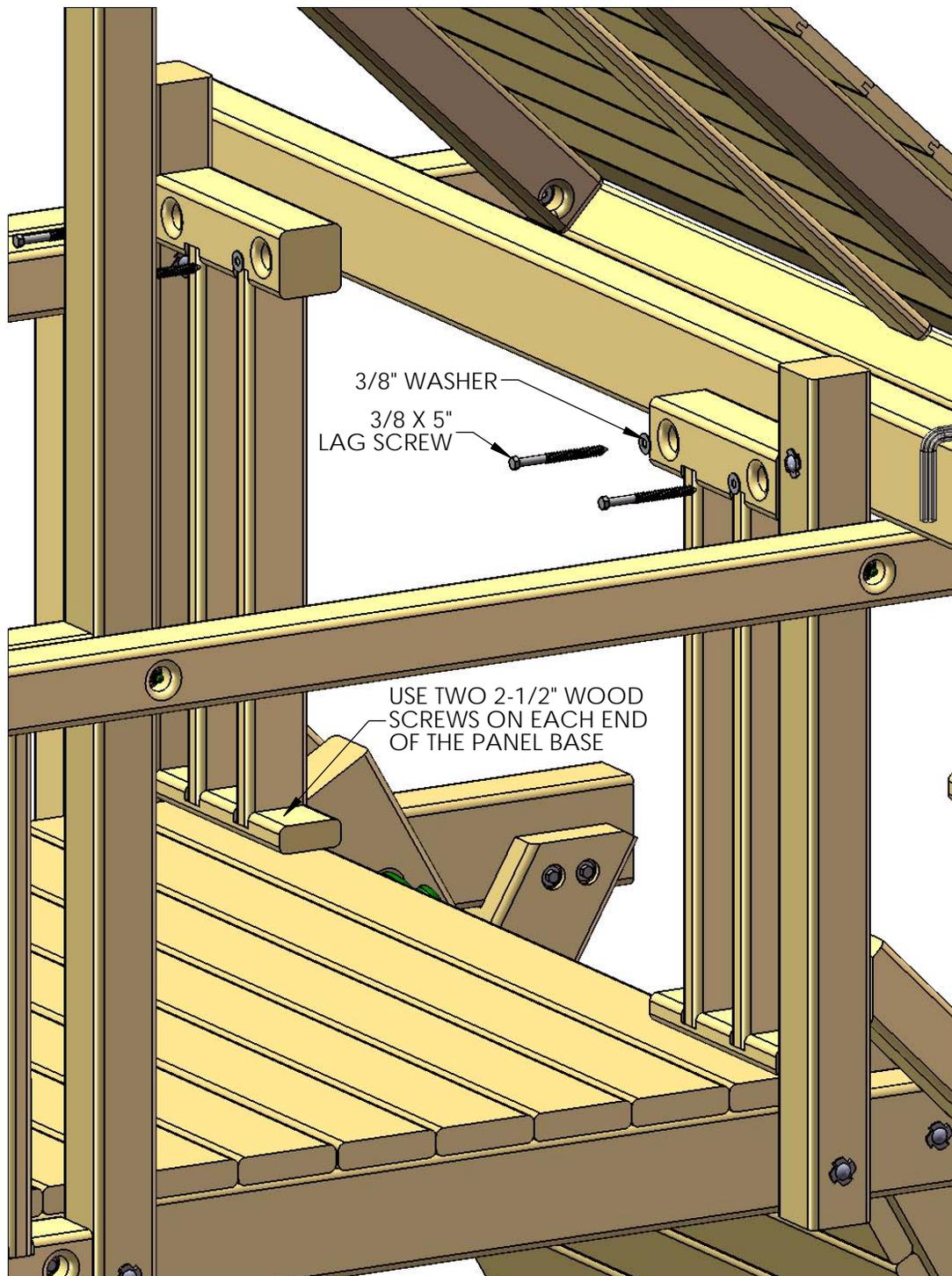
STEP 30: HANGING THE SWINGS

- 1: PLACE THE SPRING CLIPS ON THE CHAINS OF THE SWING BELTS, TRAPEZE AND TIRE SWING.
- 2: HANG THE SWINGS AND TRAPEZE BY THE SWING CLIPS FROM THE DUCTILES ON THE SWING BEAM. EACH CHAIN ON THE TIRE SWING WILL GET A SPRING CLIP; AND THESE WILL BE HUNG FROM THE TIRE SWIVEL.
- 3: ADJUST CHAIN HEIGHT AS NECESSARY BY CLIPPING CHAIN TO SPRING CLIPS ON HIGHER OR LOWER LINKS.



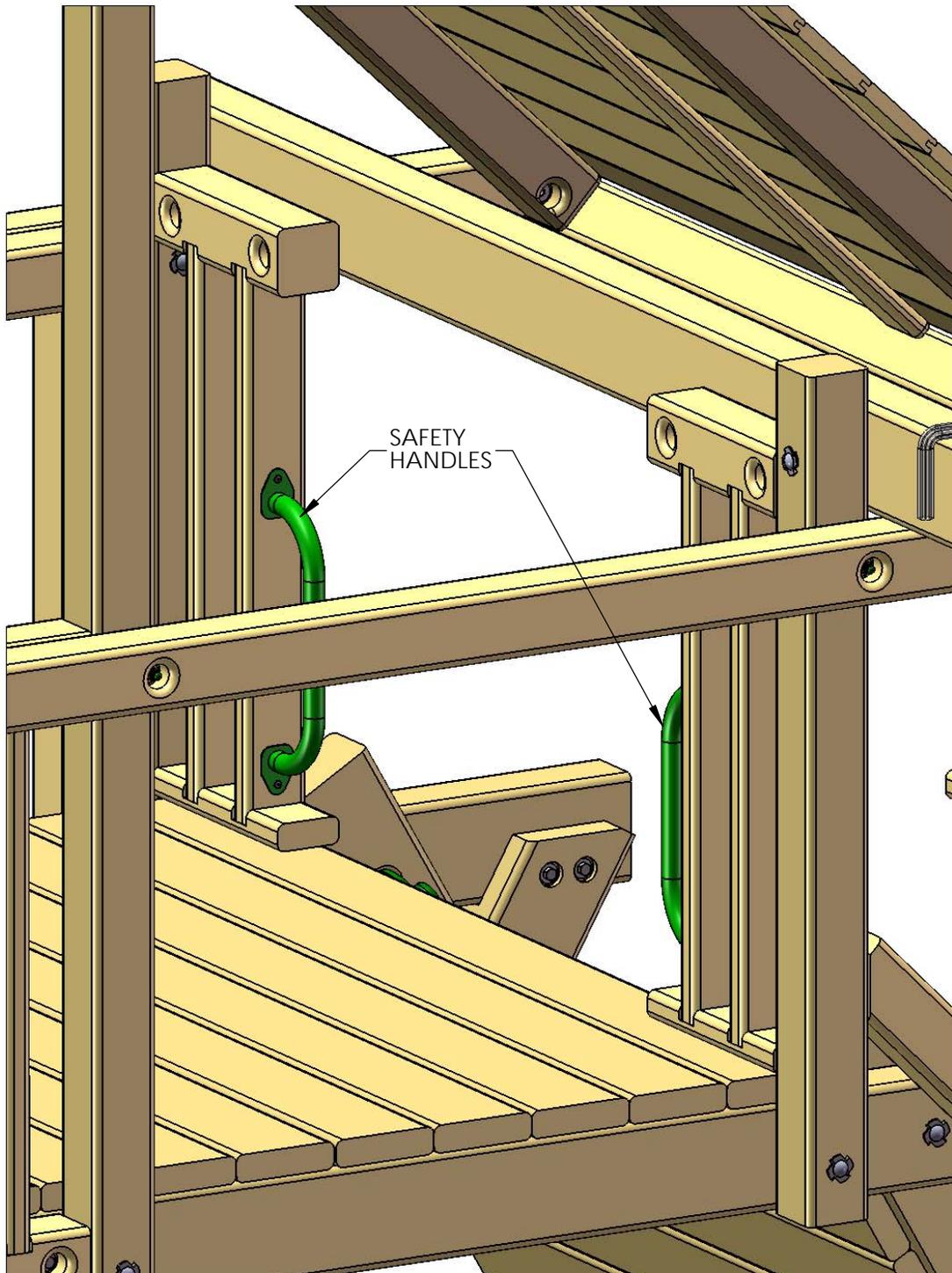
STEP 31: ENTRY PANELS

- 1: PLACE THE ENTRY PANELS AT THE OPENINGS ON THE LADDER AND ROCK WALL SIDES OF THE FORT.
- 2: THE ENDS OF THE PANELS WILL REST FLUSH AGAINST THE CORNER UPRIGHTS, WITH THE COUNTERBORED HOLES FACING TOWARDS THE INSIDE OF THE UNIT.
- 3: USE 3/8 X 5" LAG SCREWS WITH 3/8" WASHERS IN THE COUNTERBORED HOLES ON THE ENTRY PANEL.
- 4: ON THE BASE OF THE PANELS, USE TWO 2-1/2" WOOD SCREWS IN EACH END TO FASTEN THE BASE OF THE PANEL TO THE DECK.



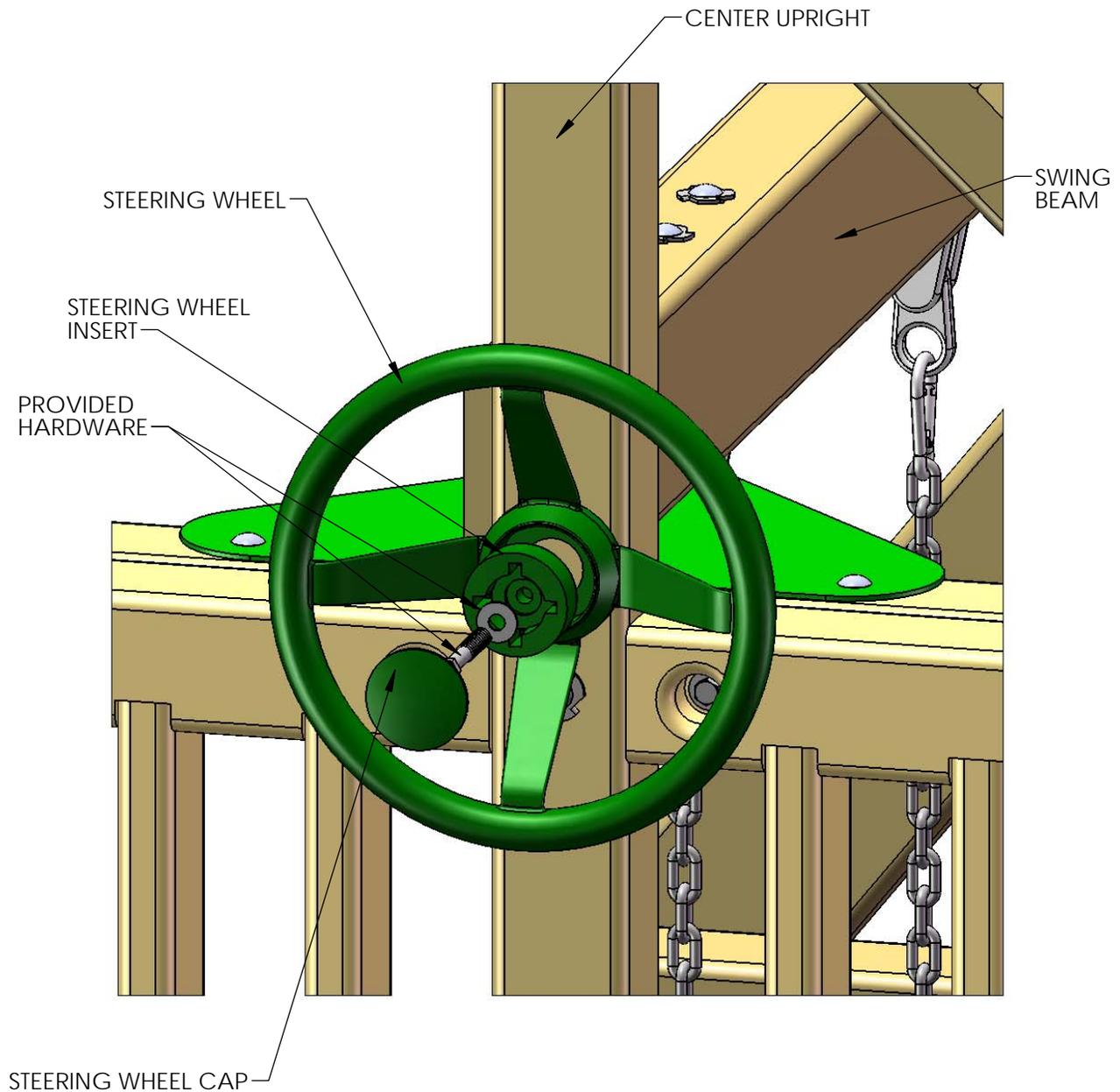
STEP 32: SAFETY HANDLES

- 1: PLACE THE SAFETY HANDLES ABOVE THE BASE OF THE ENTRY PANELS, CENTERED ON THE PANEL SLATS.
- 2: ATTACH THE SAFETY HANDLES TO THE PANEL SLATS OF THE ENTRY PANELS WITH 1-1/4" PAN HEAD SCREWS AND 1/4" WASHERS.



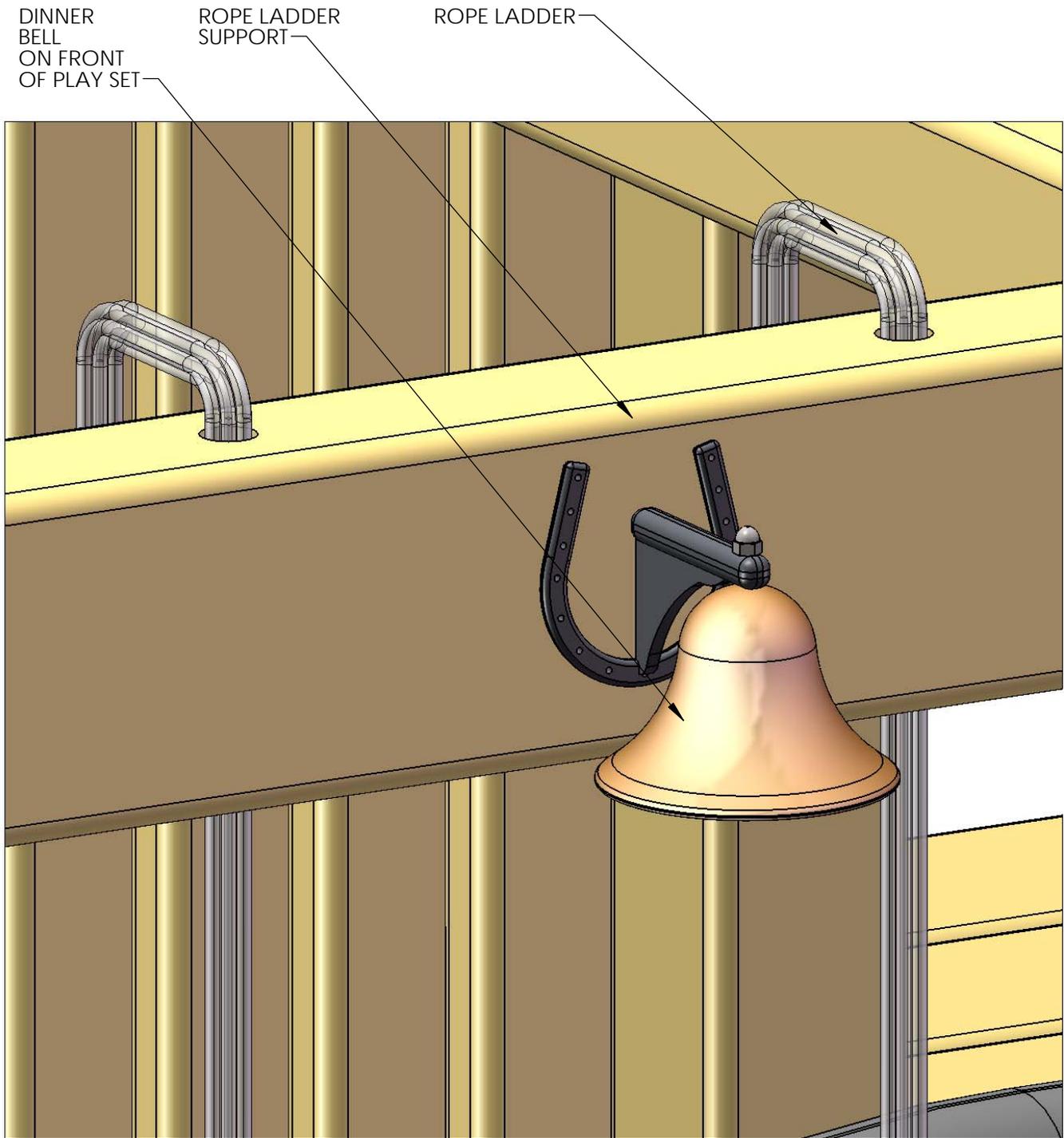
STEP 33: STEERING WHEEL

- 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 CENTER UPRIGHT THAT IS IN FRONT OF THE SWING BEAM. DO NOT OVER-TIGHTEN THE LAG SCREW INTO THE STEERING WHEEL, OR IT WILL NOT TURN.
- 3: PLACE THE STEERING WHEEL CAP OVER THE CENTER OF THE STEERING WHEEL.



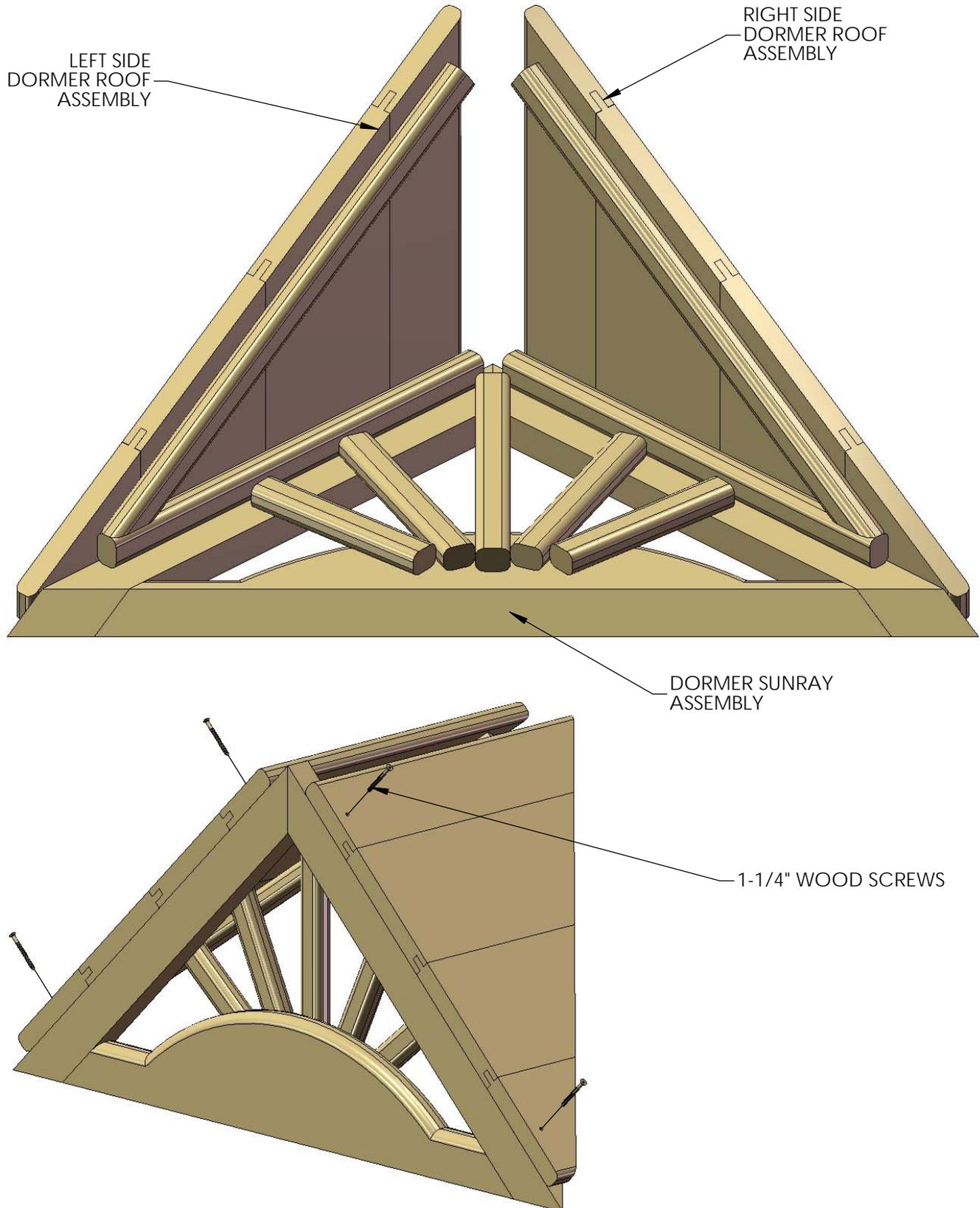
STEP 34: DINNER BELL

- 1: CENTER THE BASE OF THE DINNER BELL ON THE ROPE LADDER SUPPORT AND ATTACH WITH PROVIDED SCREWS.
- 2: ASSEMBLE THE BELL AND TIGHTEN TO THE BASE WITH THE PROVIDED NUT.



STEP 35: DORMER

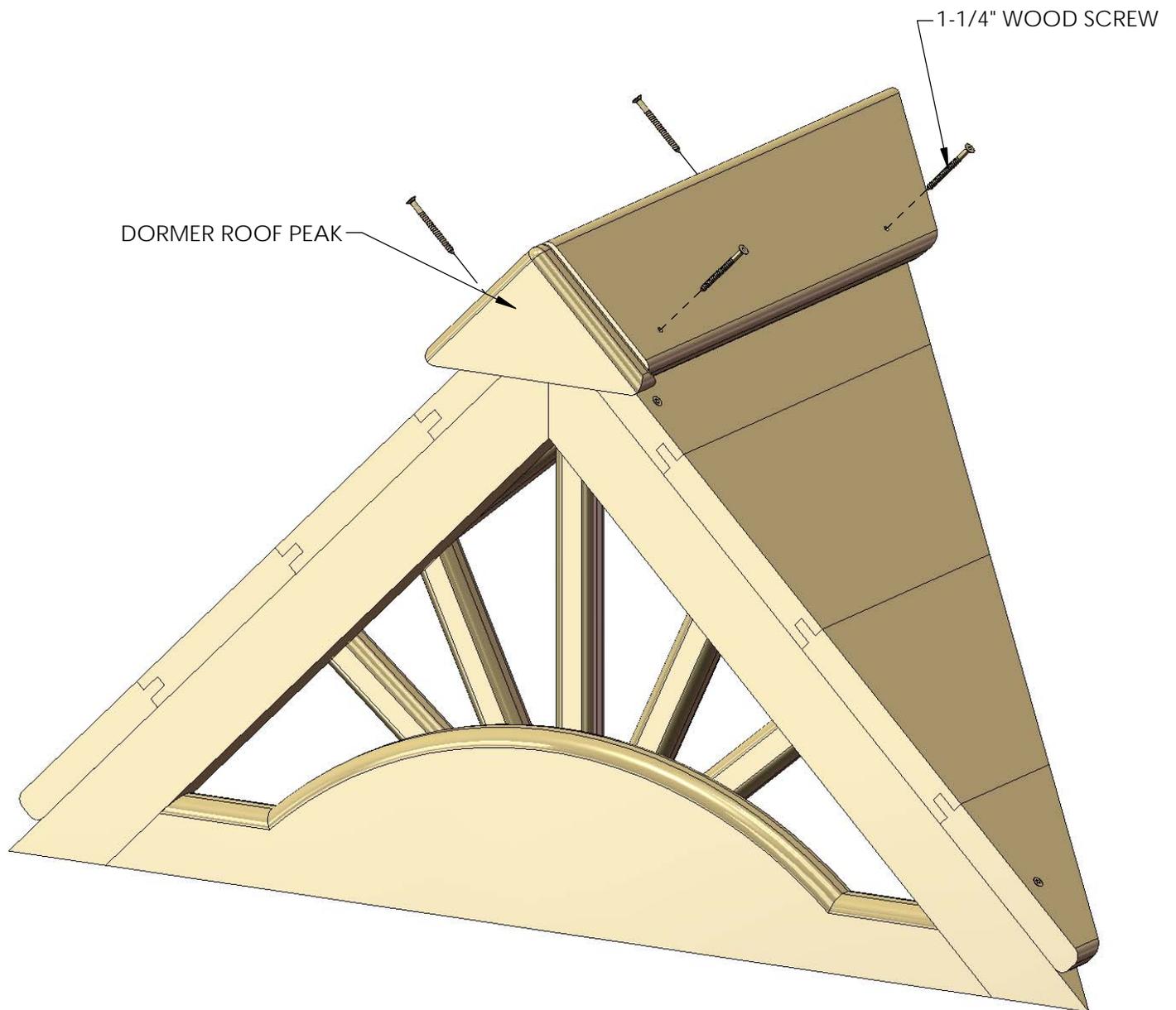
- 1: FIND TWO LEFT SIDE AND TWO RIGHT SIDE DORMER ROOF ASSEMBLIES.
- 2: FIND TWO DORMER SUNRAY ASSEMBLIES.
- 3: PLACE THE LEFT AND RIGHT ROOF ASSEMBLIES ON THE BACK SIDE OF THE DORMER SUNRAY ASSEMBLY AS SHOWN BELOW.
- 4: ATTACH THE DORMER ROOF SIDES TO THE DORMER SUNRAY WITH 1-1/4" WOOD SCREWS. USE THE FASTENERS INCLUDED WITH THE DORMER TO ATTACH THE SIDES TO THE DORMER SUNRAY.



STEP 36: DORMER

1: FIND THE DORMER ROOF PEAK ASSEMBLY.

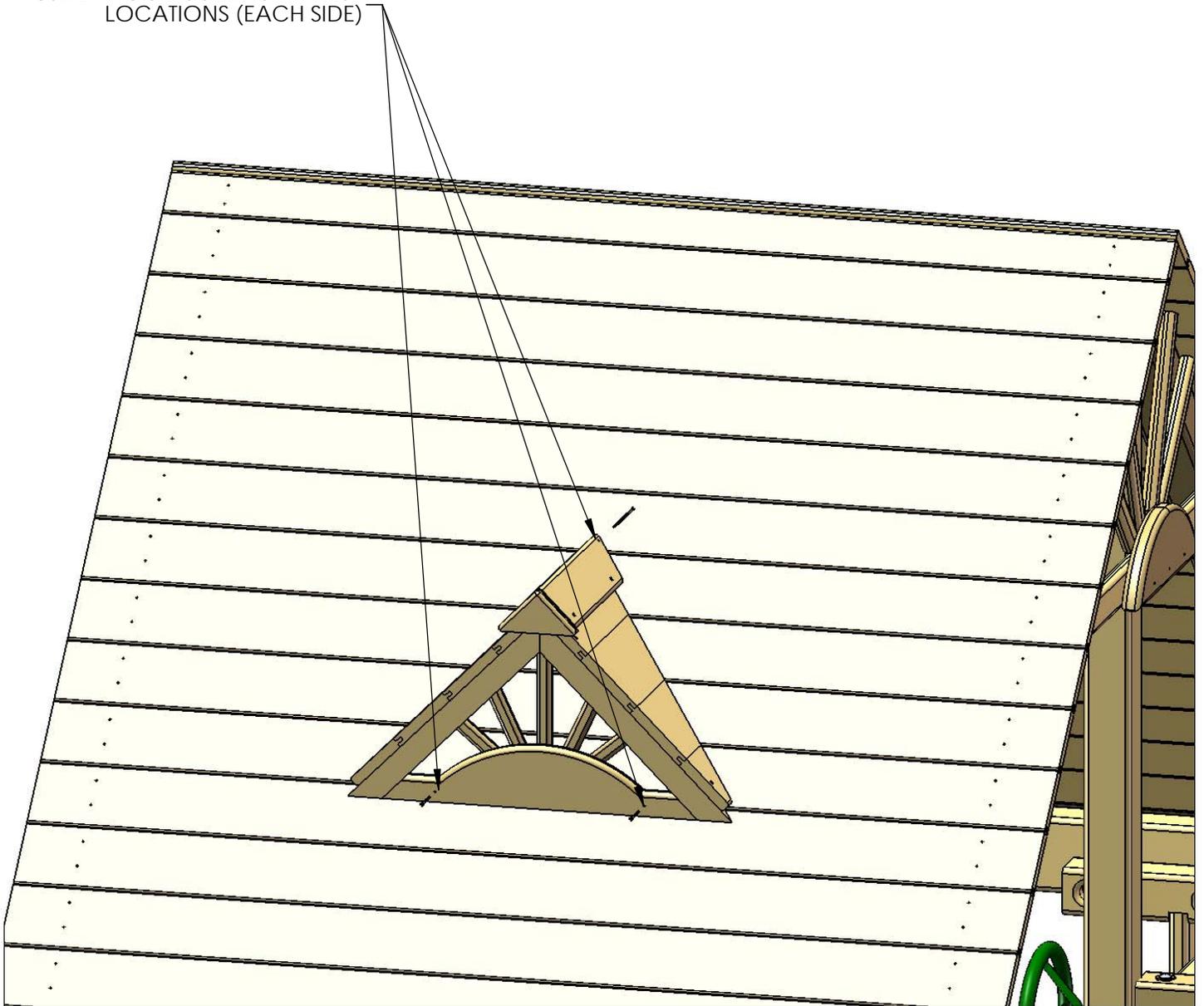
2: PLACE THE ROOF PEAK ASSEMBLY IN THE TOP OF THE ROOF AND FASTEN WITH THE 1-1/4" WOOD SCREWS THAT COME WITH THE DORMER.



STEP 37: DORMER

- 1: CENTER THE DORMER ASSEMBLIES ON THE ROOF.
- 2: USE 2" WOOD SCREWS TO FASTEN THE DORMERS TO THE ROOF.

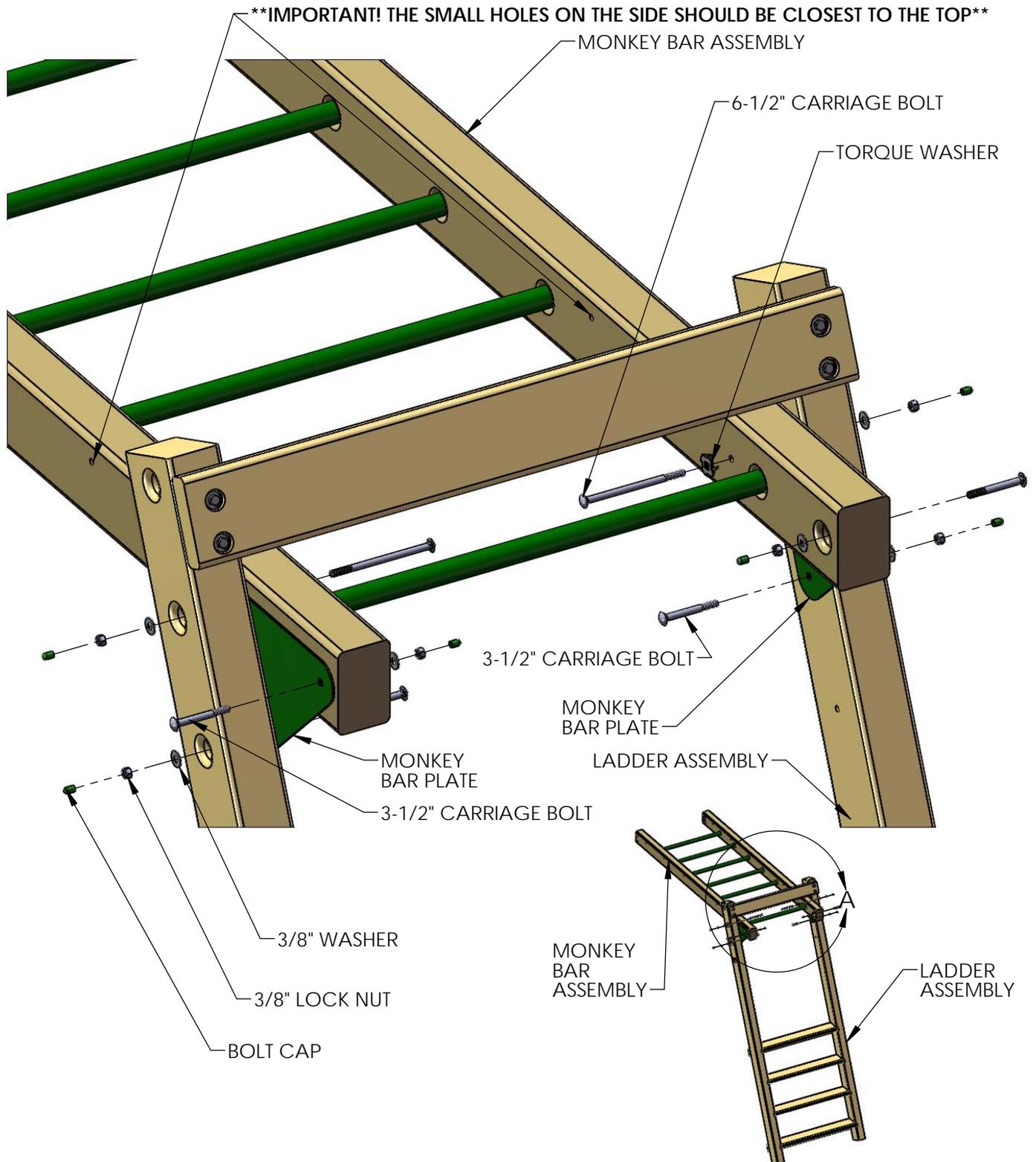
USE 2" WOOD SCREWS IN THESE
LOCATIONS (EACH SIDE)



STEP 38: MONKEY BAR ASSEMBLY

- 1: PLACE THE MONKEY BAR ASSEMBLY IN THE MIDDLE HOLES OF THE LADDER ASSEMBLY.
- 2: POSITION THE MONKEY BAR PLATE BETWEEN THE MONKEY BAR ASSEMBLY AND THE LADDER ASSEMBLY AND LINE THE PLATE HOLES UP WITH THE TWO MIDDLE HOLES OF THE LADDER ASSEMBLY.
- 3: SEE BELOW FOR EXACT PLACEMENT OF THE 6-1/2", AND 3-1/2" CARRIAGE BOLTS. THE 6-1/2" CARRIAGE BOLT WILL BE PAIRED WITH A TORQUE WASHER, WHILE THE 3-1/2" CARRIAGE BOLTS WILL GO INTO THE SQUARE HOLES IN THE MONKEY BAR PLATE.

NOTE: THE FOUR HOLES IN THE LADDER ASSEMBLY ARE FOR VARIANCES IN GRADE IN YOUR YARD. IF YOUR YARD IS RELATIVELY LEVEL, USE THE MIDDLE HOLES FOR ASSEMBLY.



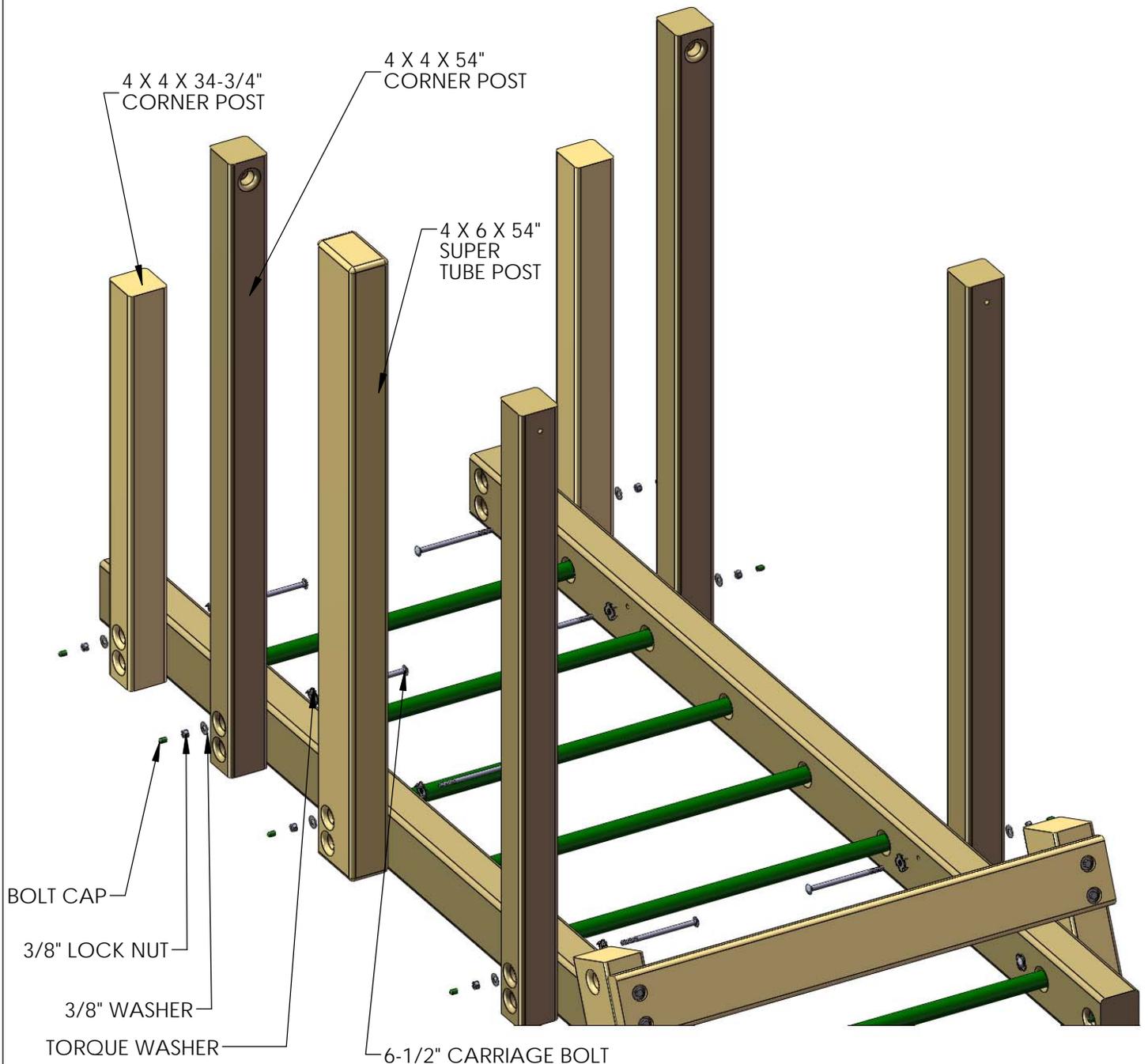
STEP 39: CORNER POSTS

1: FIND FOUR 4 X 4 X 54" CORNER POSTS. THE ORIENTATION OF THE POSTS ARE IMPORTANT IN THIS STEP. THE SINGLE COUNTER-SUNK HOLE AT THE TOP OF THE POSTS MUST FACE TOWARD EACH OTHER. THE CORNER POSTS WILL ATTACH IN THE PRE-DRILLED HOLES WITH THE TOP COUNTERBORED HOLE OF THE CORNER POSTS LINING UP WITH THE TWO HOLES IN THE MONKEY BAR ASSEMBLY CLOSEST TO THE LADDER ASSEMBLY.

2: ATTACH THE CORNER POSTS WITH A 6-1/2" CARRIAGE BOLT WITH A TORQUE WASHER FROM THE INSIDE OF THE MONKEY BARS, AND 3/8" LOCK NUTS WITH 3/8" WASHERS FROM THE OUTSIDE. PLACE GREEN BOLT CAPS OVER ANY EXPOSED THREADS. REPEAT SUBSTEPS 1 AND 2 FOR THE OTHER 4 X 4 X 54" CORNER POSTS IN THE MIDDLE OF THE MONKEY BAR ASSEMBLY.

3: FIND TWO 4 X 4 X 34-3/4" CORNER POSTS. THE CORNER POSTS WILL ATTACH IN THE PRE-DRILLED HOLES WITH THE TOP COUNTERBORED HOLE OF THE CORNER POSTS LINING UP WITH THE HOLE AT THE END OF THE MONKEY BAR ASSEMBLY. ATTACH THE CORNER POSTS WITH A 6-1/2" CARRIAGE BOLT WITH A TORQUE WASHER FROM THE INSIDE OF THE MONKEY BARS, AND 3/8" LOCK NUTS WITH 3/8" WASHERS FROM THE OUTSIDE. PLACE GREEN BOLT CAPS OVER ANY EXPOSED THREADS.

4: FIND THE 4 X 6 X 54" SUPER TUBE POST. THE SUPER TUBE POST WILL ATTACH ON THE LEFT SIDE OF THE MONKEY BAR ASSEMBLY AS SHOWN BELOW. ATTACH THE TOP HOLE IN THE SUPER TUBE POST TO THE MONKEY BAR ASSEMBLY WITH A 6-1/2" CARRIAGE BOLT WITH A TORQUE WASHER FROM THE INSIDE OF THE MONKEY BARS, AND A 3/8" LOCK NUT WITH 3/8" WASHER FROM THE OUTSIDE. PLACE A GREEN BOLT CAP OVER ANY EXPOSED THREADS.



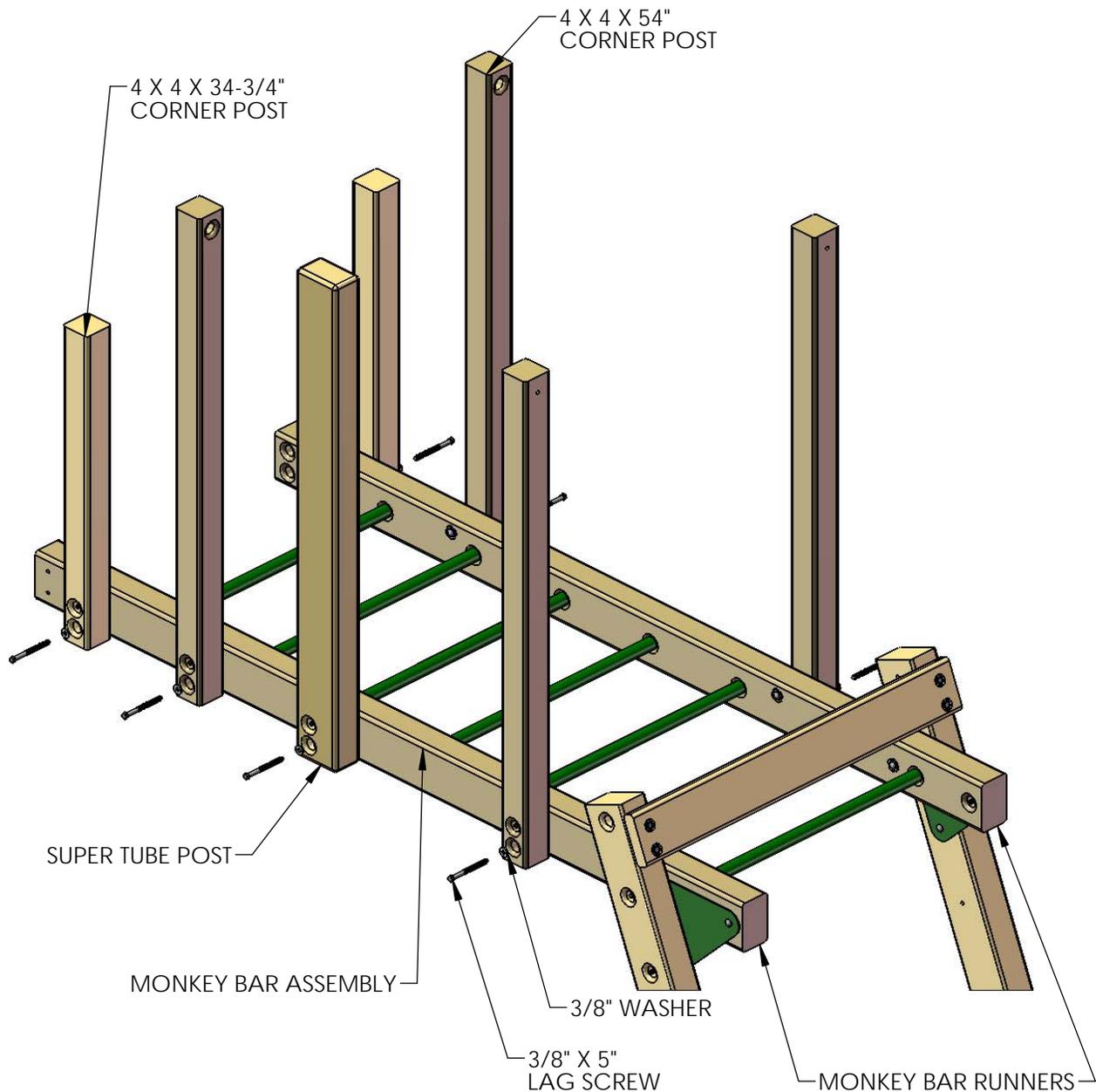
STEP 40: LAG SCREWS

1: USE A SQUARE TO SQUARE EACH CORNER POST TO THE TOP OF THE MONKEY BAR RUNNERS.

2: WHEN THE POST IS SQUARE USE THE BOTTOM HOLE IN EACH POST TO PREDRILL A 3/16" HOLE BY 3" DEEP INTO THE MONKEY BAR RUNNER. THE MONKEY BAR RUNNER IS ONLY 3-3/8" WIDE SO DO NOT DRILL TOO DEEP.

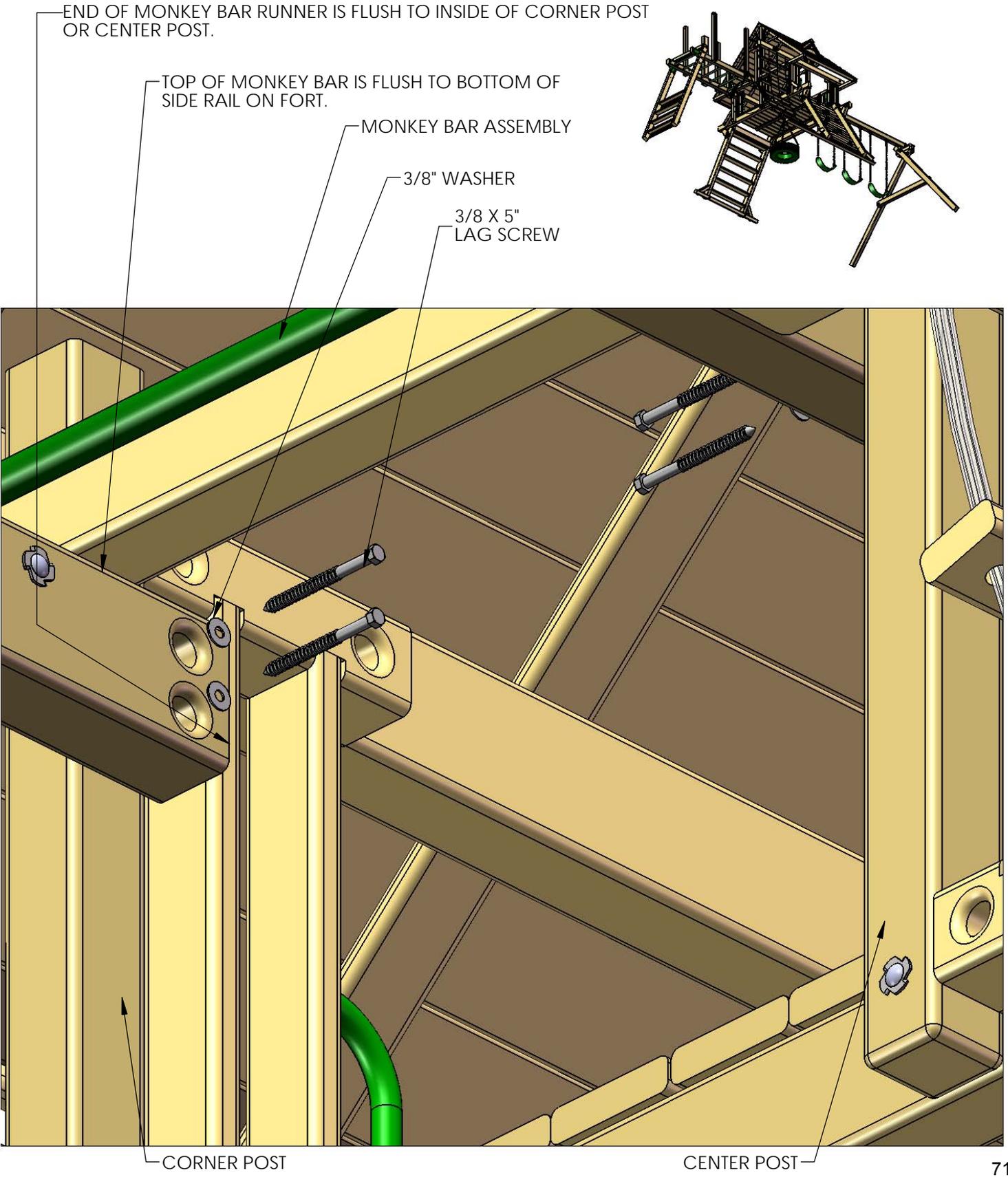
3: RECHECK FOR SQUARE AND ATTACH THE POST TO THE MONKEY BAR RUNNER WITH A 3/8" X 5" LAG SCREW AND 3/8" WASHER.

4: REPEAT SUBSTEPS 2 AND 3 FOR ALL THE REMAINING CORNER POSTS AND SUPER TUBE POST.



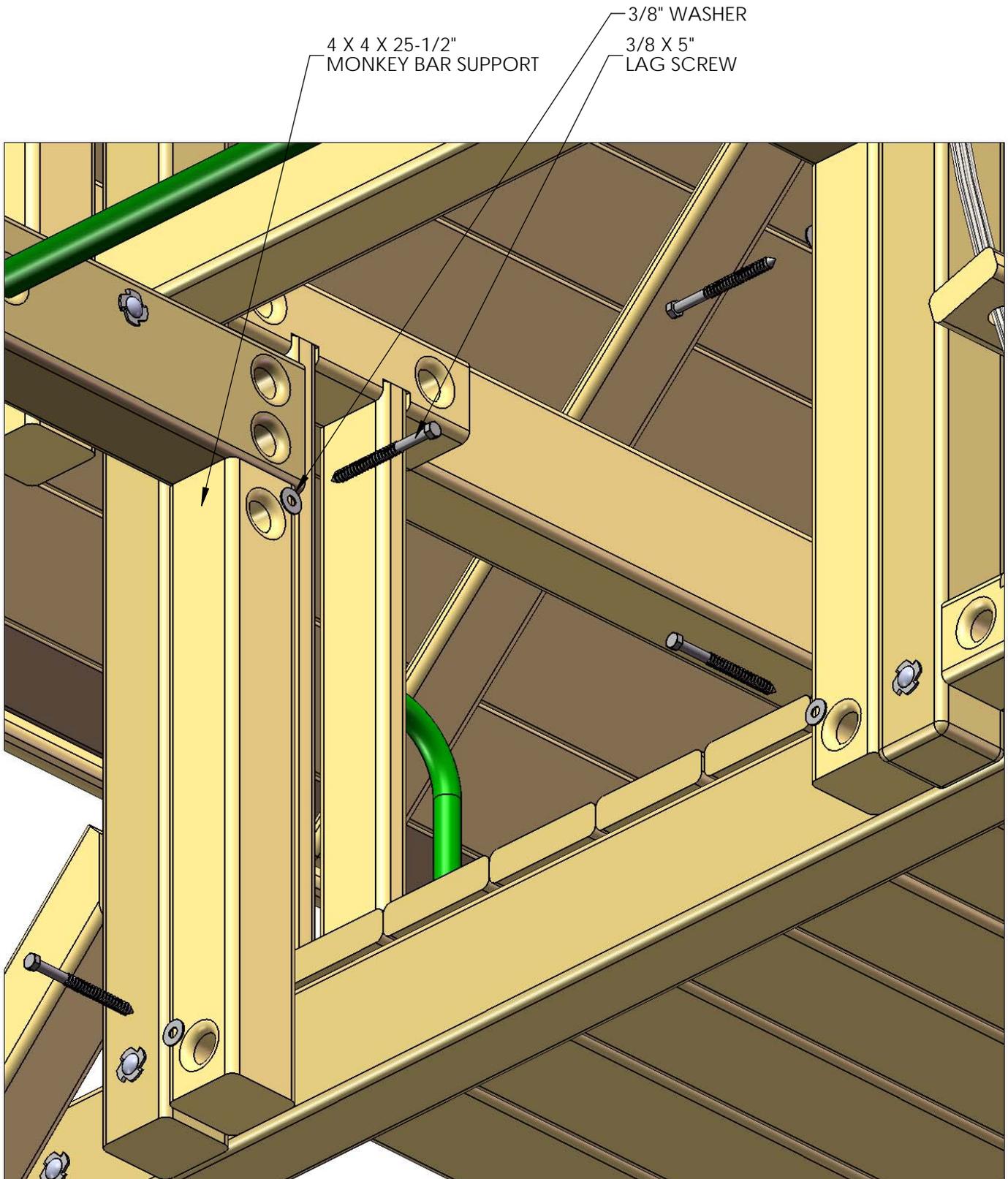
STEP 41: ATTACHING MONKEY BAR ASSEMBLY TO FORT

- 1: TAKE THE MONKEY BAR ASSEMBLY CREATED IN THE PREVIOUS STEP AND MOVE IT TO THE OPENING ON THE OPPOSITE SIDE OF THE SWING BEAM. MAKE SURE THAT THE END OF THE RUNG ASSEMBLY IS FLUSH WITH THE CORNER AND CENTER UPRIGHTS.
- 2: LEVEL AND SQUARE THE MONKEY BARS IN THE OPENING, THEN ATTACH IT WITH 3/8 X 5" LAG SCREWS WITH 3/8" WASHERS INTO THE COUNTERBORED HOLES.



STEP 42: MONKEY BAR SUPPORTS

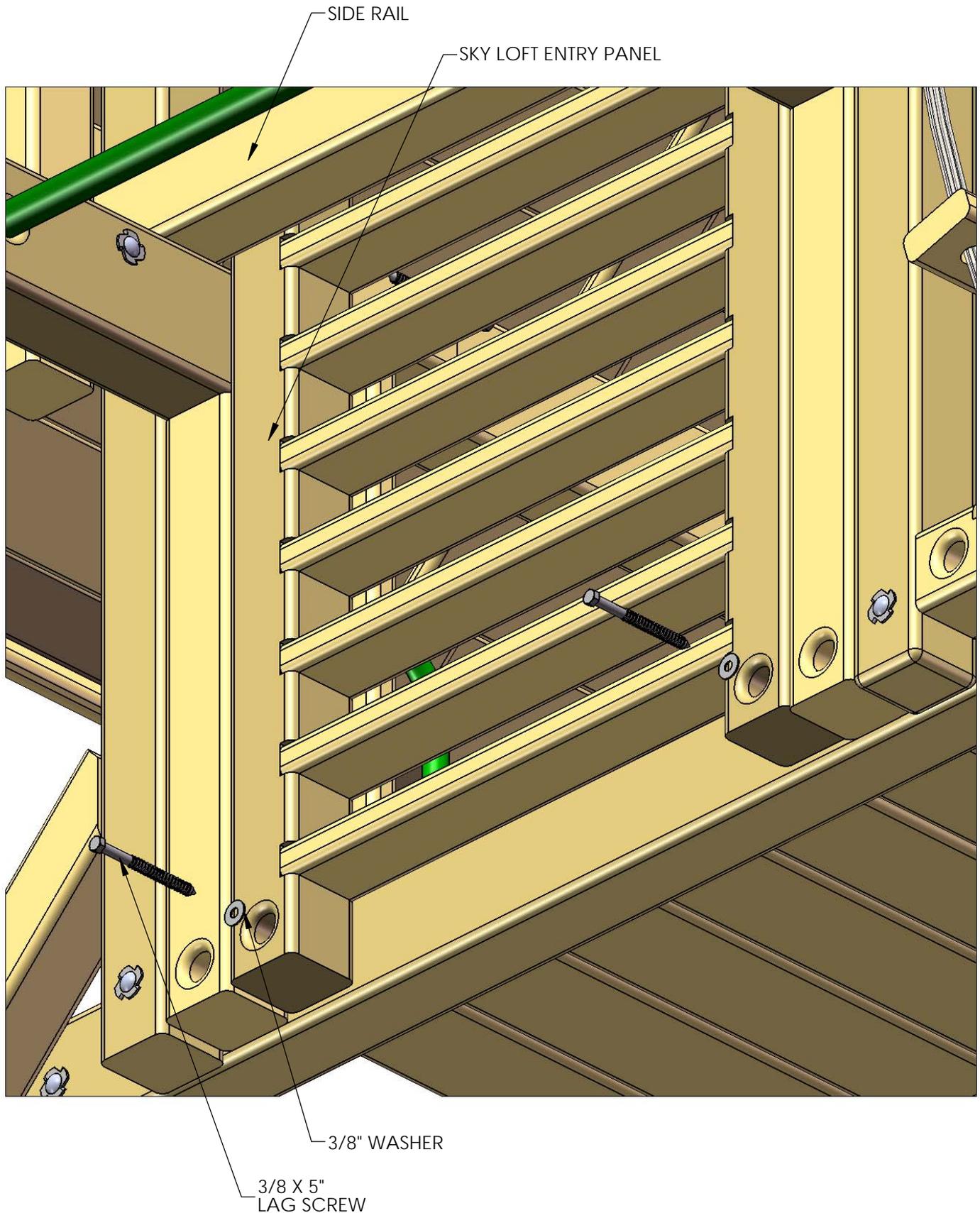
- 1: FIND THE TWO 4 X 4 X 25-1/2" MONKEY BAR SUPPORTS. THERE WILL BE ONE FOR THE LEFT SIDE, AND ONE FOR THE RIGHT.
- 2: PLACE THE MONKEY BAR SUPPORTS ON THEIR APPROPRIATE SIDES, FLUSH TO THE BOTTOM OF THE MONKEY BAR ASSEMBLY, AND AGAINST THE CENTER AND CORNER UPRIGHTS.
- 3: ATTACH THE MONKEY BAR SUPPORTS TO THE CENTER AND CORNER UPRIGHTS WITH 3/8 X 5" LAG SCREWS, AND 3/8" WASHERS. THE BOTTOM HOLES WILL GET A 3/8 X 5" LAG SCREW WITH A 3/8" WASHER, INTO THE MAIN FLOOR BEAM.



STEP 43: SKY LOFT ENTRY PANEL

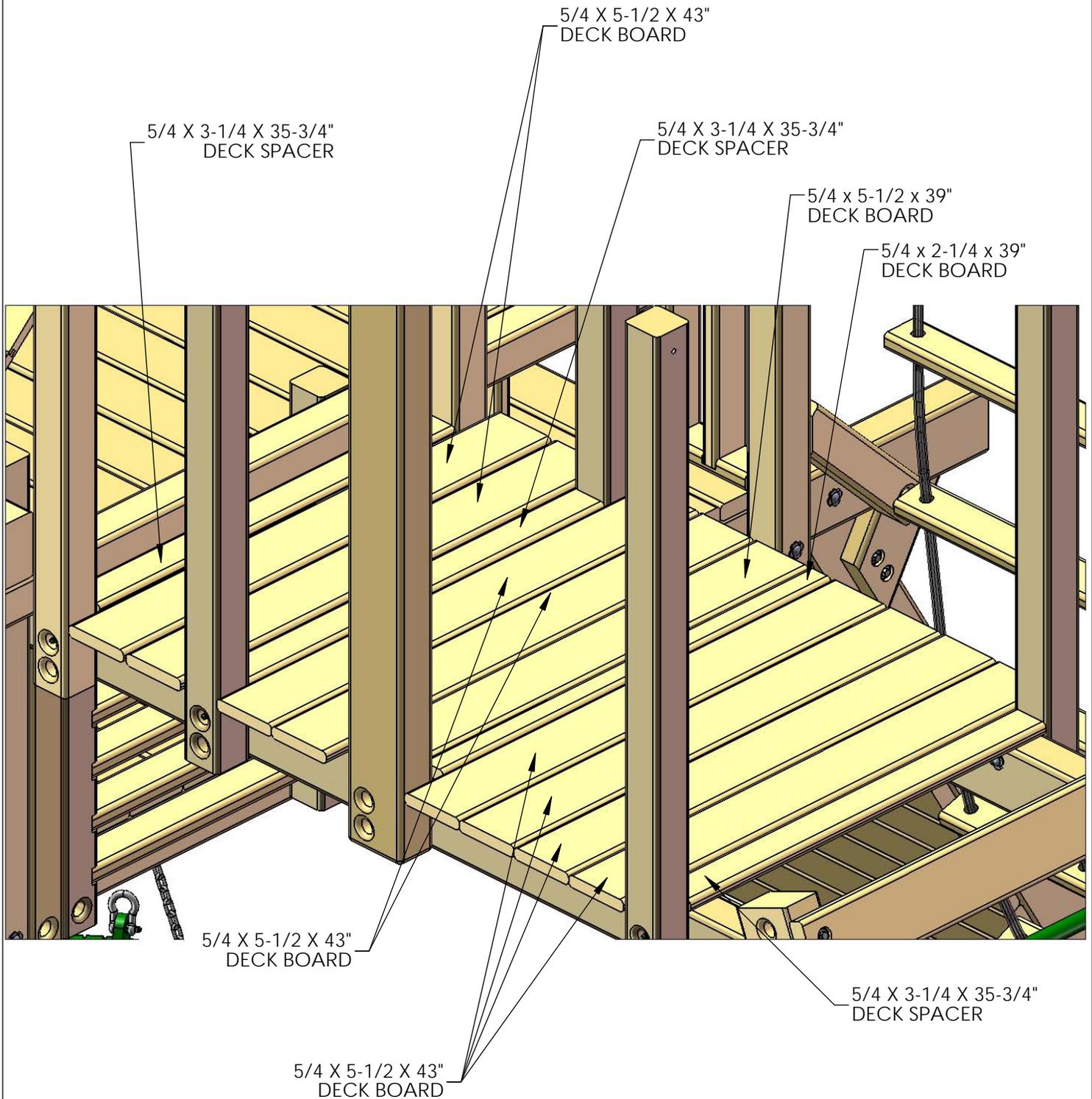
1: FIND THE SKY LOFT ENTRY PANEL. THE TOP OF THE ENTRY PANEL WILL MOUNT TO THE UNIT FLUSH TO THE TOP OF THE SIDE RAIL.

2: ATTACH THE ENTRY PANEL TO THE MAIN SUPPORT BEAM AND SIDE RAIL WITH 3/8 X 5" LAG SCREWS AND 3/8" WASHERS.



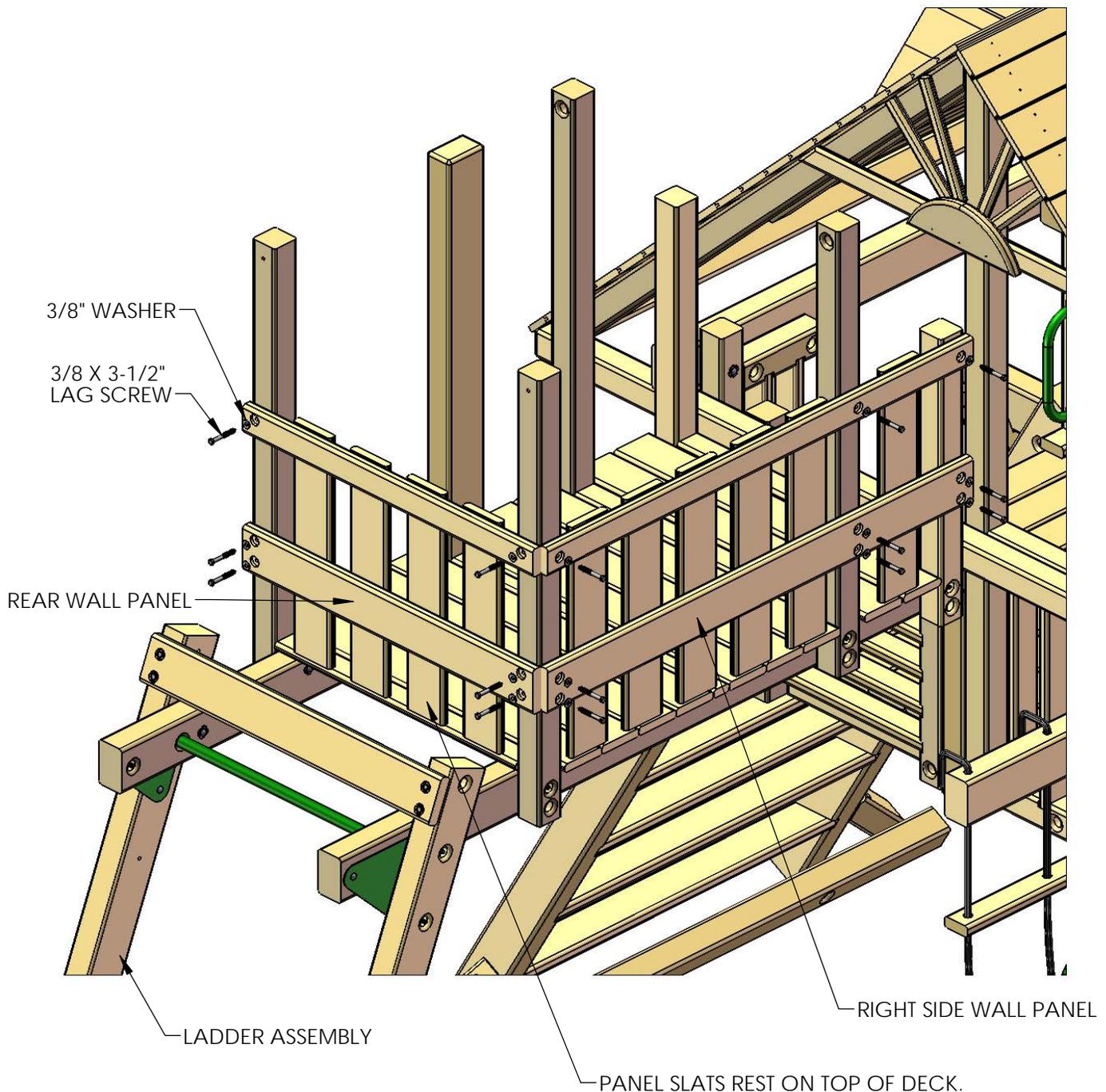
STEP 44: SKY LOFT DECK

- 1: FIND EIGHT 5/4 X 5-1/2 X 43" DECK BOARDS, ONE 5/4 X 2-1/4 X 39" DECK BOARD, ONE 5/4 X 5-1/2 X 39" DECK BOARD AND THREE 5/4 X 3-1/4 X 35-3/4" DECK SPACERS.
- 2: THE DECK BOARDS WILL FASTEN TO THE MONKEY BAR ASSEMBLY WITH TWO 2" WOOD SCREWS PER SIDE.
- 3: SEE THE PICTURE BELOW FOR LOCATIONS.
- 4: LAY OUT ALL DECK BOARDS AND DECK SPACERS BEFORE ATTACHING TO THE MONKEY BARS.



STEP 45: SKY LOFT WALL PANELS

- 1: FIND ONE RIGHT SIDE WALL PANEL AND ONE REAR WALL PANEL.
- 2: PLACE THE RIGHT SIDE WALL PANEL ON THE UNIT SO THAT THE COUNTERBORED HOLES ARE CENTERED ALONG THE CORNER POSTS, AND THE PANEL SLATS REST ON THE DECK.
- 3: FASTEN THE RIGHT SIDE WALL PANEL TO THE CORNER POSTS WITH 3/8 X 3-1/2" LAG SCREWS AND 3/8" WASHERS.
- 4: PLACE THE REAR WALL PANEL AT THE END OF THE DECK CLOSEST TO THE LADDER ASSEMBLY, CENTERED BETWEEN THE TWO REAR CORNER POSTS WITH THE PANEL SLATS RESTING ON THE DECK.
- 5: FASTEN THE REAR WALL PANEL TO THE CORNER POSTS WITH 3/8 X 3-1/2" LAG SCREWS AND 3/8" WASHERS.



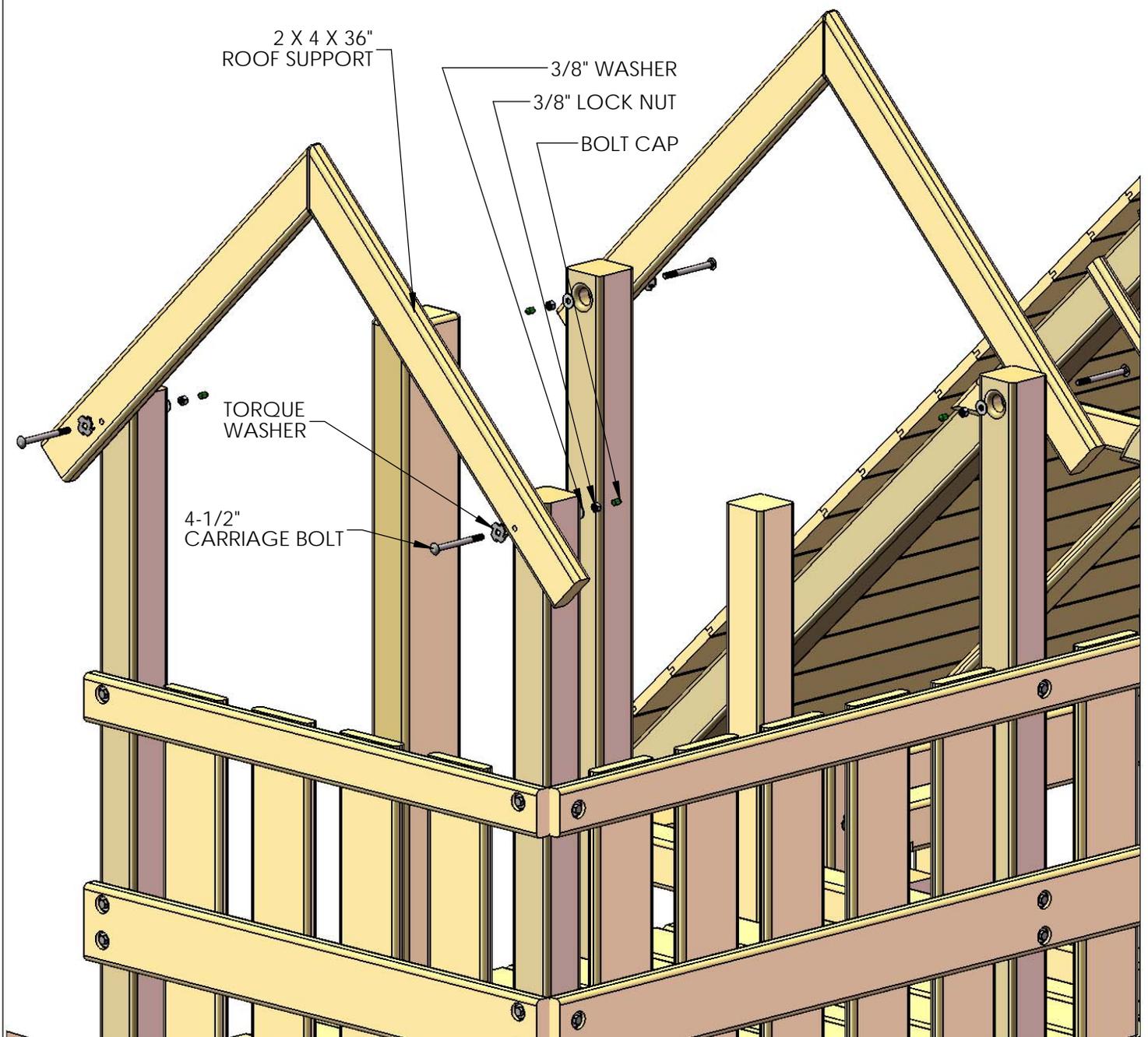
STEP 46: ROOF SUPPORTS

1: FIND FOUR 2 X 4 X 36" ROOF SUPPORTS. THE ROOF SUPPORTS WILL MOUNT ON THE OPPOSITE SIDE OF THE COUNTERBORED HOLES IN THE CORNER POSTS.

2: ON THE OUTSIDE OF THE ROOF SUPPORTS, USE A 3/8" X 4-1/2" CARRIAGE BOLT WITH A TORQUE WASHER. THE CARRIAGE BOLT/TORQUE WASHER WILL GO THROUGH THE HOLE IN THE ROOF SUPPORT INTO THE HOLE OF THE CORNER POST. SET THE TORQUE WASHER WITH A HAMMER.

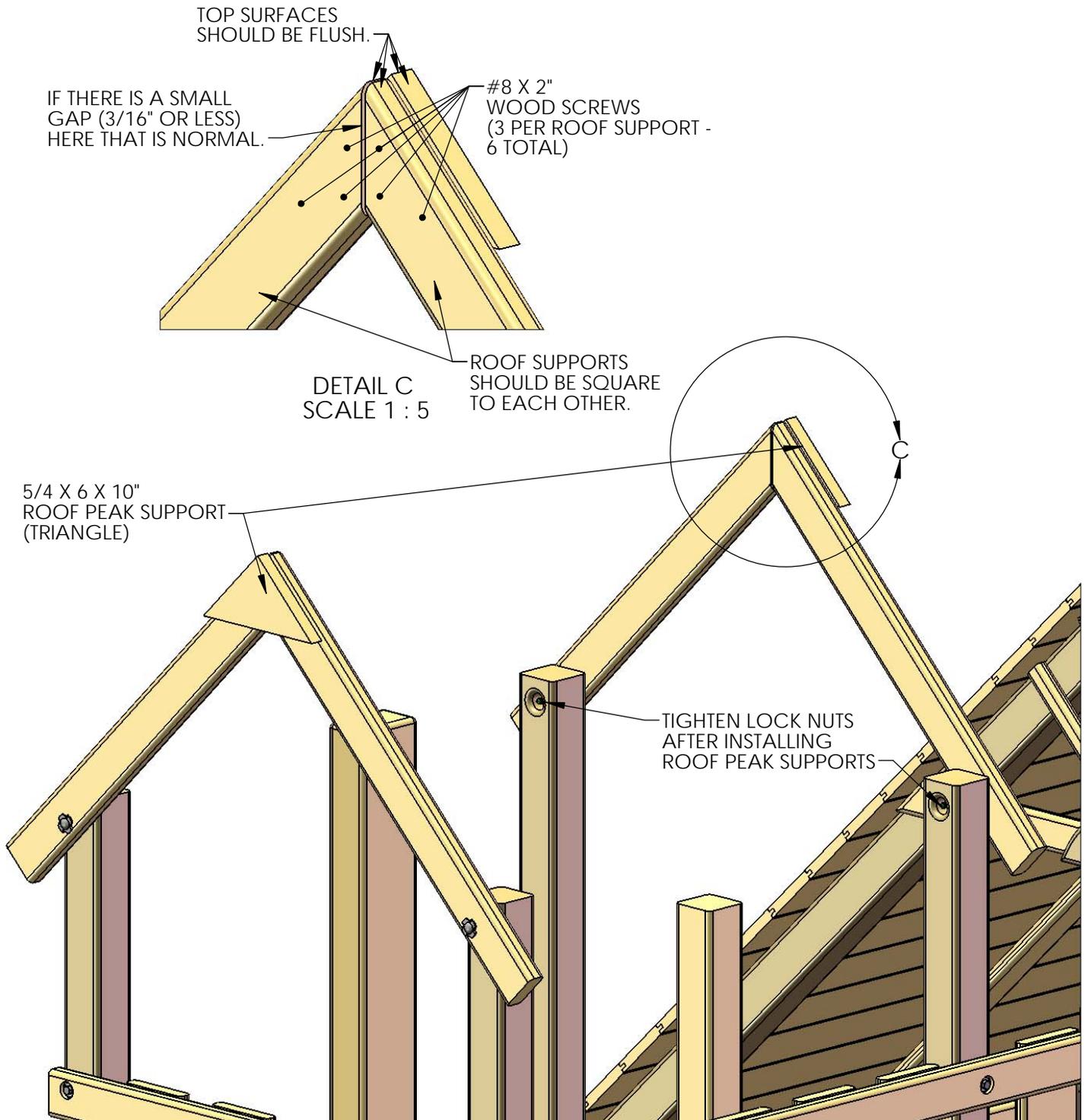
3: USE A 3/8" LOCK NUT WITH A 3/8" WASHER TO SECURE THE ROOF SUPPORTS. DO NOT FULLY TIGHTEN THE LOCK NUTS AT THIS TIME.

4: CONTINUE MOUNTING THE ROOF SUPPORTS TO THE CORNER POSTS UNTIL COMPLETE. USE GREEN BOLT CAPS TO COVER ANY EXPOSED THREADS.



STEP 47: ROOF PEAK SUPPORTS

- 1: FIND THE TWO 5/4 X 6 X 10" ROOF PEAK SUPPORTS. THE ROOF PEAK SUPPORTS WILL MOUNT TO THE ROOF SUPPORTS SO THAT TOP SURFACES OF THE ROOF PEAK SUPPORT (TRIANGLE) ARE FLUSH TO THE TOP SURFACES OF THE ROOF SUPPORTS.
- 2: USE A CARPENTERS SQUARE TO MAKE THE ROOF SUPPORTS SQUARE TO ONE ANOTHER. PLACE THE ROOF PEAK SUPPORT (TRIANGLE) ON THE OUTSIDE OF THE ROOF SUPPORTS. THE TOP SURFACES OF THE ROOF PEAK SUPPORT (TRIANGLE) SHOULD BE FLUSH TO THE TOP SURFACES OF THE ROOF SUPPORTS.
- 3: ATTACH THE ROOF SUPPORTS TO THE ROOF PEAK SUPPORT WITH THREE 2" WOOD SCREWS PER SIDE FOR A TOTAL OF SIX.
- 4: NOW TIGHTEN THE LOCK NUTS IN THE COUNTERBORED HOLES THAT ATTACH THE ROOF SUPPORTS TO THE CORNER POSTS.

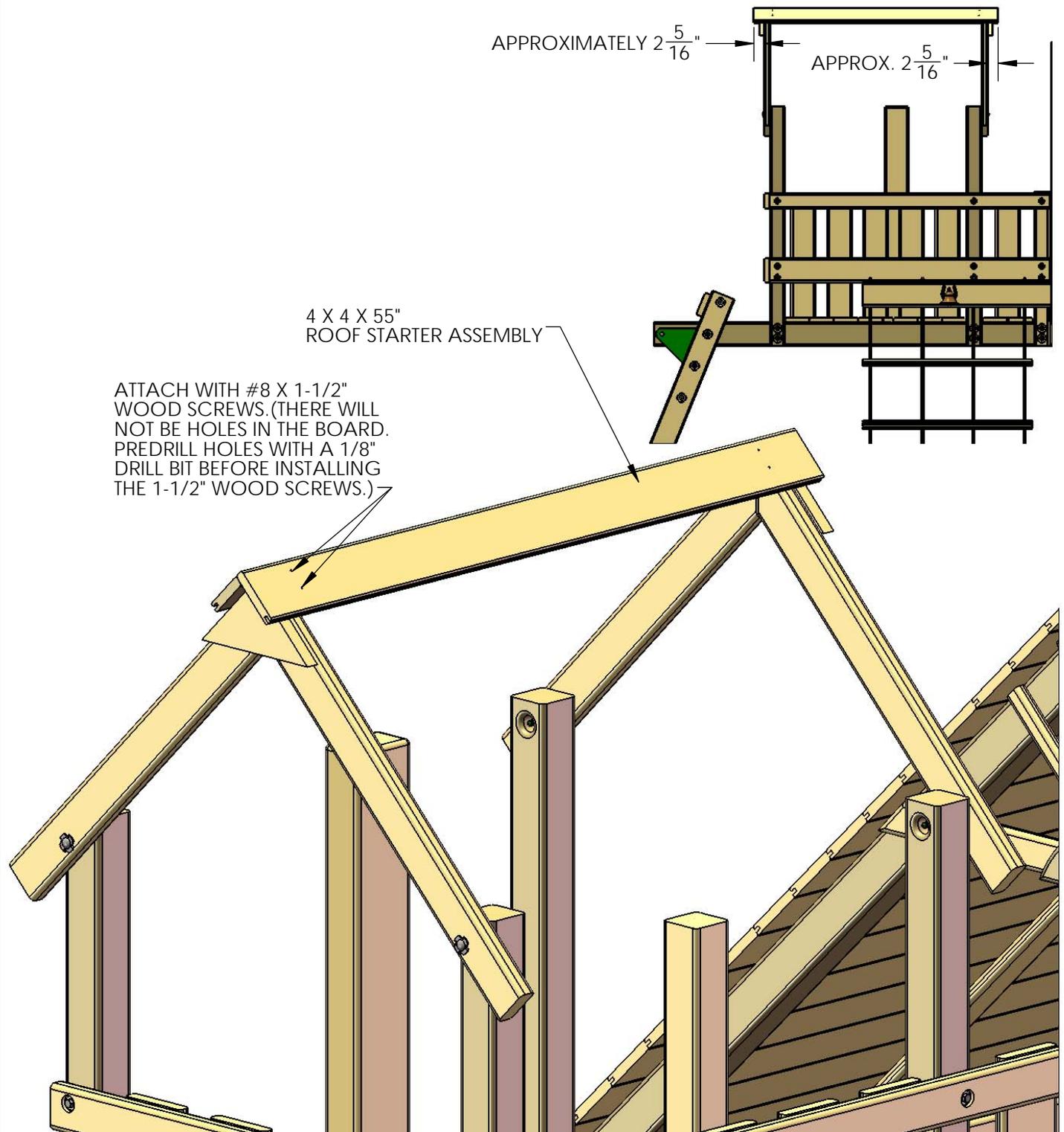


STEP 48: ROOF STARTER ASSEMBLY

1: FIND THE 4 X 4 X 55" GROOVE ONLY ROOF STARTER ASSEMBLY. CENTER THE ASSEMBLY ACROSS THE ROOF SUPPORTS.

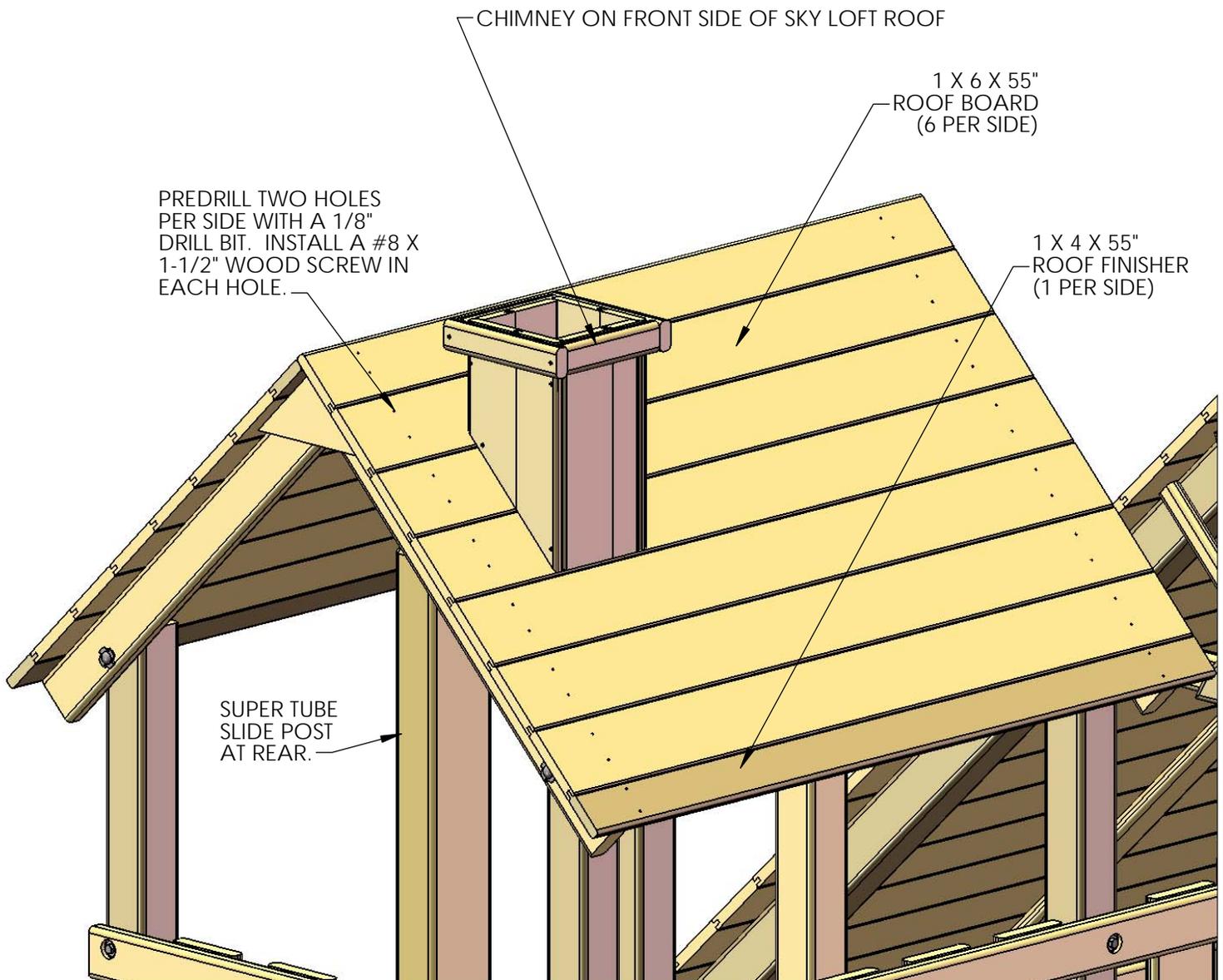
NOTE THE ROOF STARTERS WILL EXTEND PAST THE ROOF SUPPORTS BY APPROXIMATELY 2-5/16" ON EACH SIDE. (SEE TOP RIGHT PICTURE BELOW.)

2: PREDRILL TWO HOLES IN EACH SIDE OF EACH BOARD OF THE ROOF STARTER ASSEMBLY WITH A 1/8" DRILL BIT. ATTACH EACH BOARD IN THE ROOF STARTER ASSEMBLY TO THE ROOF SUPPORTS WITH TWO 1-1/2" WOOD SCREWS PER SIDE.



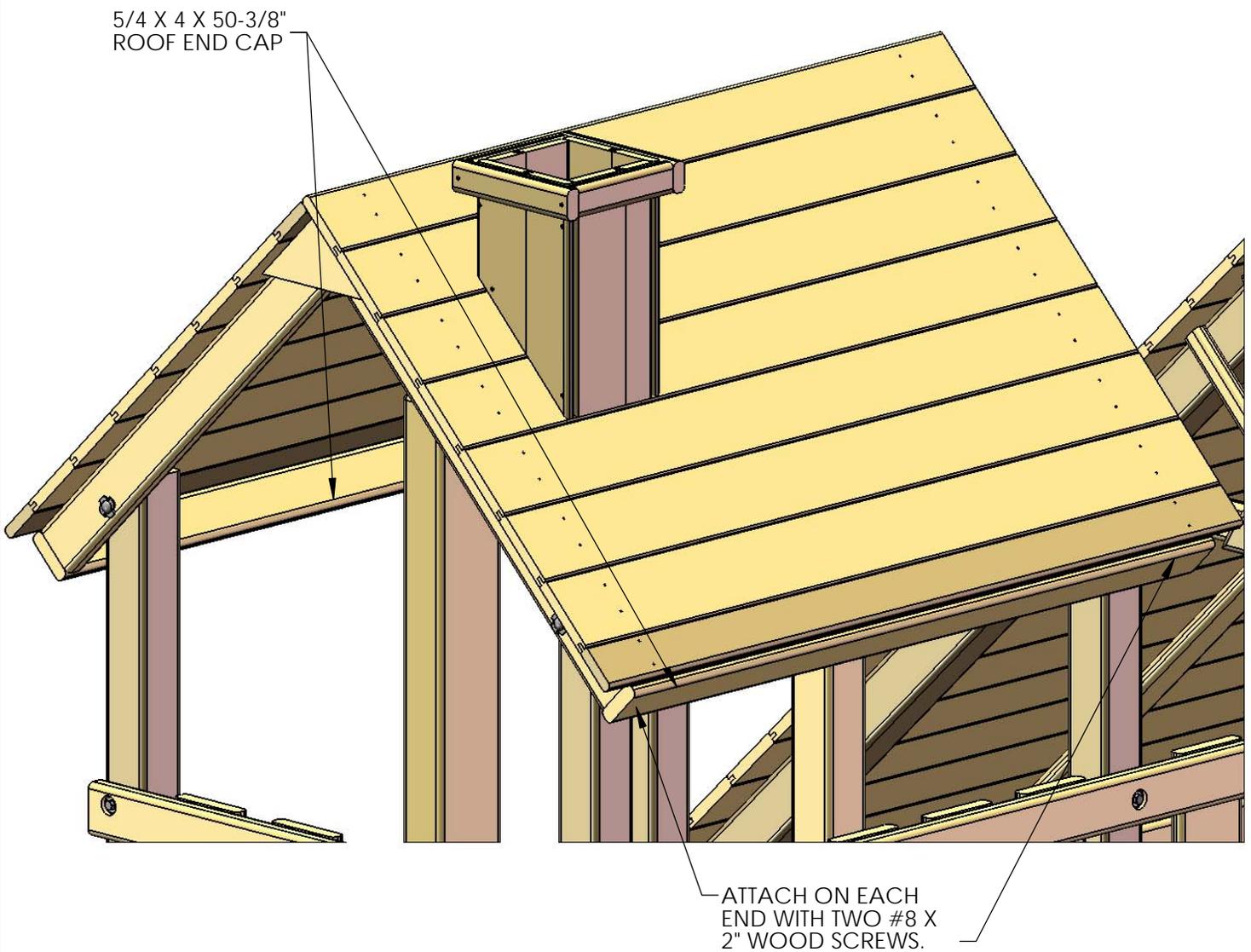
STEP 49: ROOF

- 1: FIND TWELVE 1 X 6 X 55" TONGUE AND GROOVE ROOF BOARDS, AND TWO 1 X 4 X 55" TONGUE ONLY ROOF FINISHERS. CENTER EACH ROOF BOARD ACROSS THE ROOF SUPPORTS, FITTING THE TONGUE END INTO THE GROOVE OF THE PREVIOUSLY INSTALLED BOARD. EACH SIDE GETS SIX BOARDS.
- 2: PREDRILL EACH ROOF BOARD WITH A 1/8" DRILL BIT FOR TWO WOOD SCREWS PER SIDE. ATTACH EACH ROOF BOARD TO THE ROOF SUPPORTS WITH #8 X 1-1/2" WOOD SCREWS. **TIP:** INSTALL THREE ROOF BOARDS. THEN BUILD THE CHIMNEY ACCORDING TO THE CHIMNEY AND DORMER INSTRUCTION MANUAL. INSTALL THE CHIMNEY AND FINISH INSTALLING THE REMAINING THREE ROOF BOARDS.
- 3: PLACE A ROOF FINISHER AT THE END OF THE ROOF SIDE FITTING THE TONGUE INTO THE GROOVE OF THE LAST ROOF BOARD INSTALLED.
- 4: PREDRILL EACH ROOF FINISHER WITH A 1/8" DRILL BIT FOR TWO WOOD SCREWS PER SIDE. ATTACH EACH ROOF FINISHER TO THE ROOF SUPPORTS WITH #8 X 1-1/2" WOOD SCREWS.
- 5: REPEAT SUBSTEPS 2 THROUGH 4 FOR THE OTHER SIDE OF THE ROOF OMITTING THE PORTION ABOUT THE CHIMNEY SINCE THERE IS NO CHIMNEY ON THE REAR ROOF SIDE.



STEP 50: ROOF END CAPS

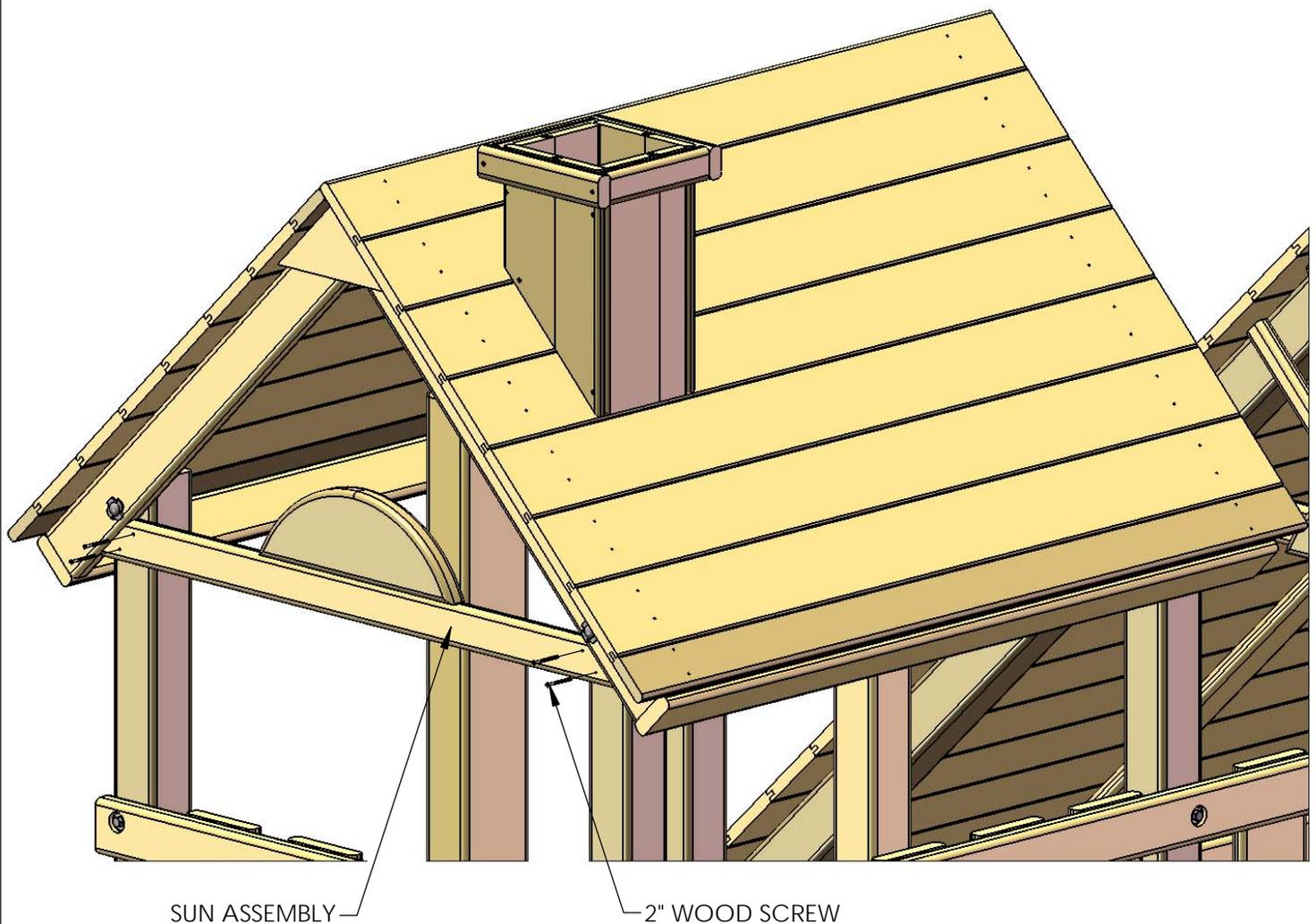
- 1: FIND TWO 5/4 X 4 X 50-3/8" ROOF END CAPS. THE ROOF END CAPS WILL MOUNT AT THE ENDS OF THE ROOF SUPPORTS ON EACH SIDE OF THE SKY LOFT.
- 2: ATTACH EACH ROOF END CAP TO THE ROOF SUPPORT ENDS WITH TWO #8 X 2" WOOD SCREWS PER SIDE.



STEP 51: SUN ASSEMBLY

1: FIND THE SUN ASSEMBLY. THE SUN ASSEMBLY WILL MOUNT UNDERNEATH THE ROOF SUPPORTS, AGAINST THE CORNER POSTS, WITH THE ANGLED ENDS FLUSH TO THE BOTTOM OF THE ROOF SUPPORTS. MAKE SURE THAT THE SIDE OF THE SUN THAT IS FLUSH TO THE SUN SUPPORT IS FACING TOWARDS THE INSIDE OF THE FORT.

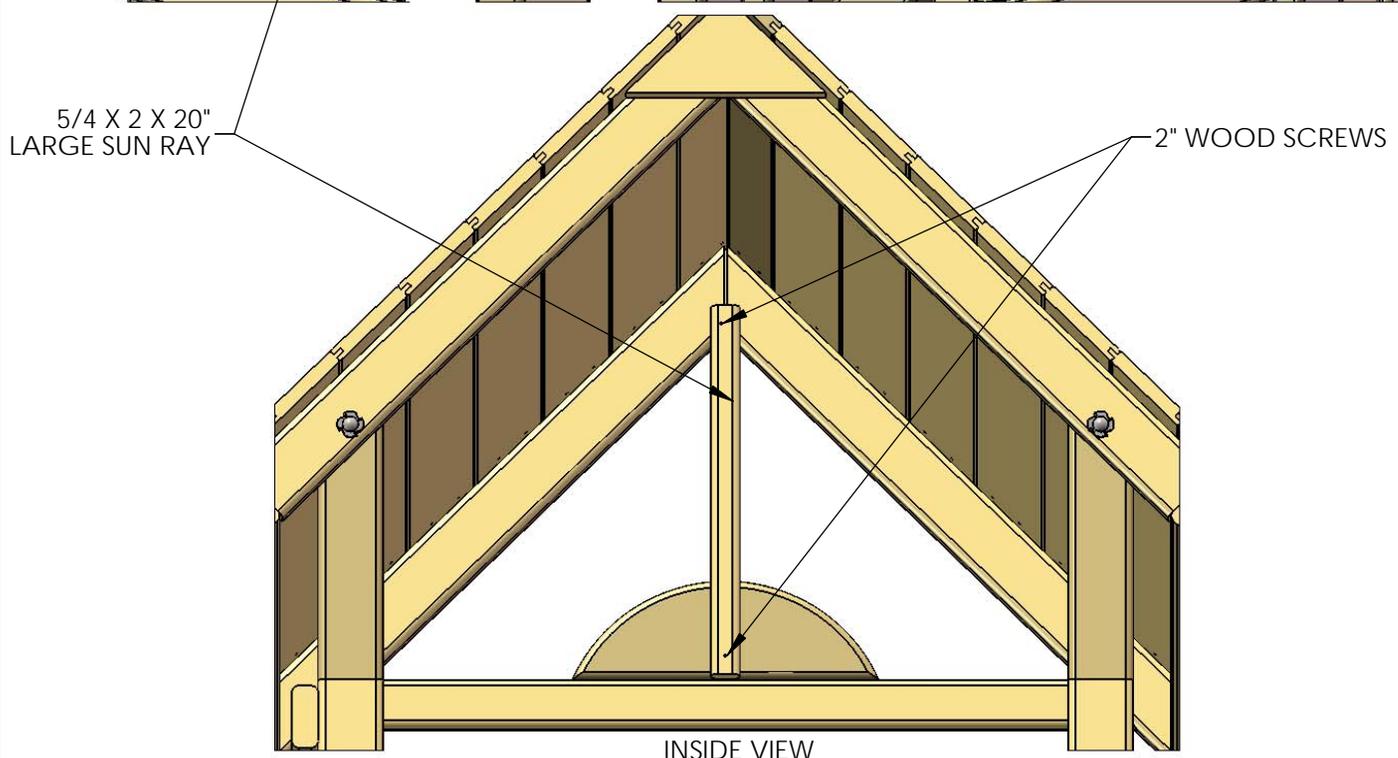
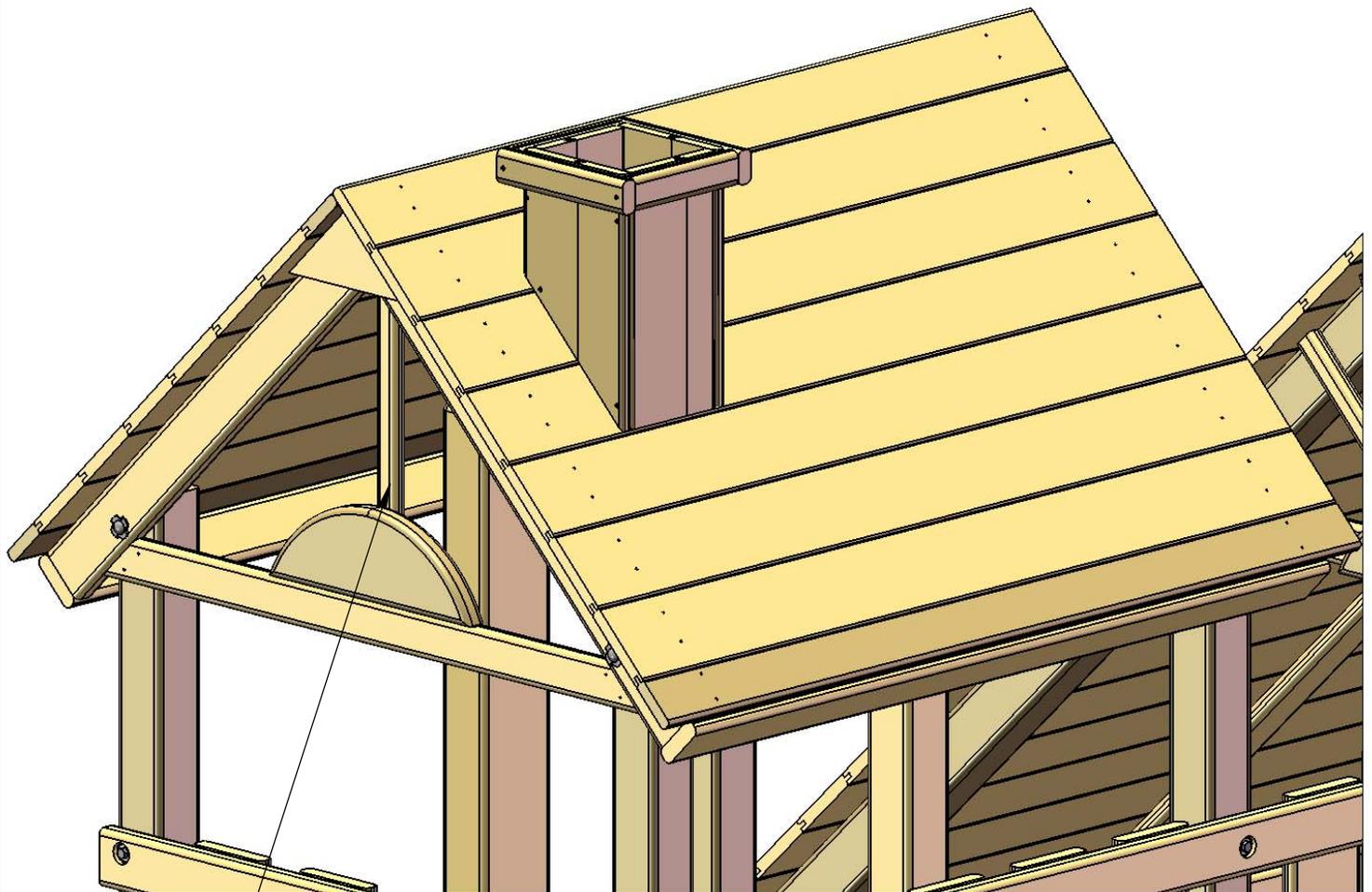
2: ATTACH THE SUN ASSEMBLY TO THE CORNER POSTS WITH TWO 2" WOOD SCREWS PER SIDE.



STEP 52: LARGE SUNRAY

1: FIND THE 5/4 X 2 X 20" LARGE SUNRAY. THE LARGE SUNRAY WILL MOUNT IN THE CENTER OF THE SUN ASSEMBLY FROM INSIDE THE FORT. PREDRILL A 1/8" HOLE IN EACH END OF THE SUNRAY ABOUT 1" FROM THE END. NOTE AT THE TOP YOU WILL HAVE TO DRILL THE HOLE TO THE SIDE TO AVOID HITTING THE GAP BETWEEN THE ROOF SUPPORTS.

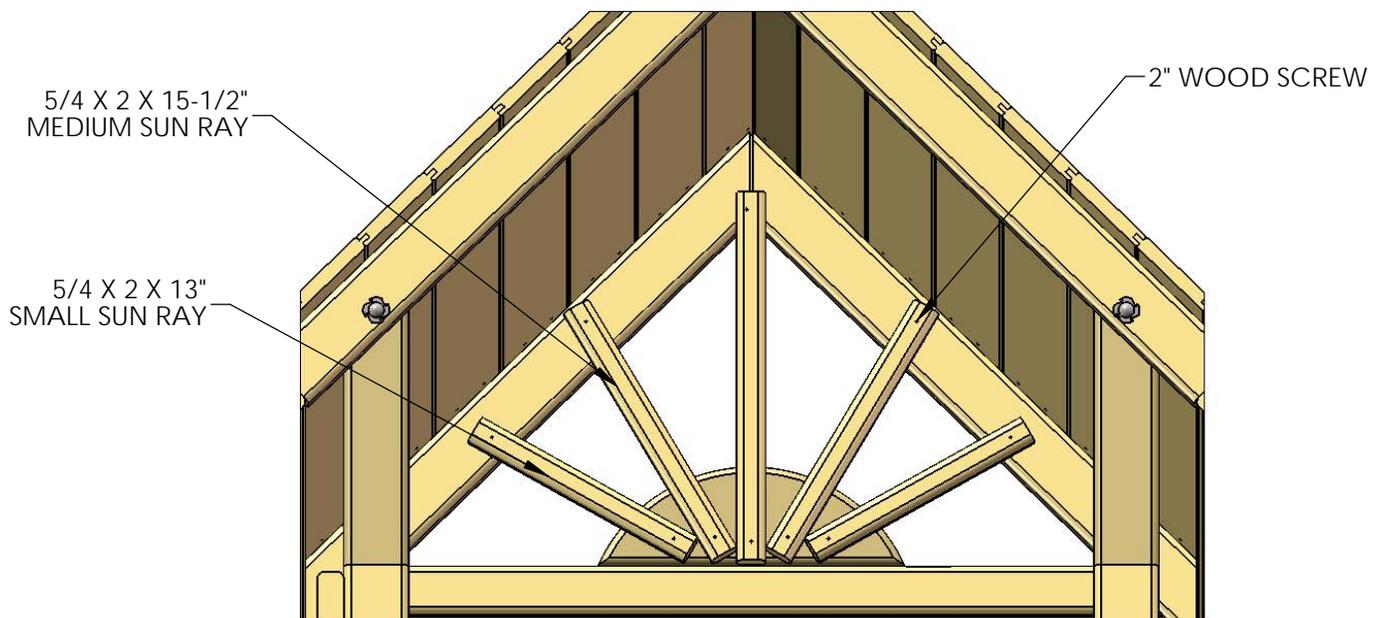
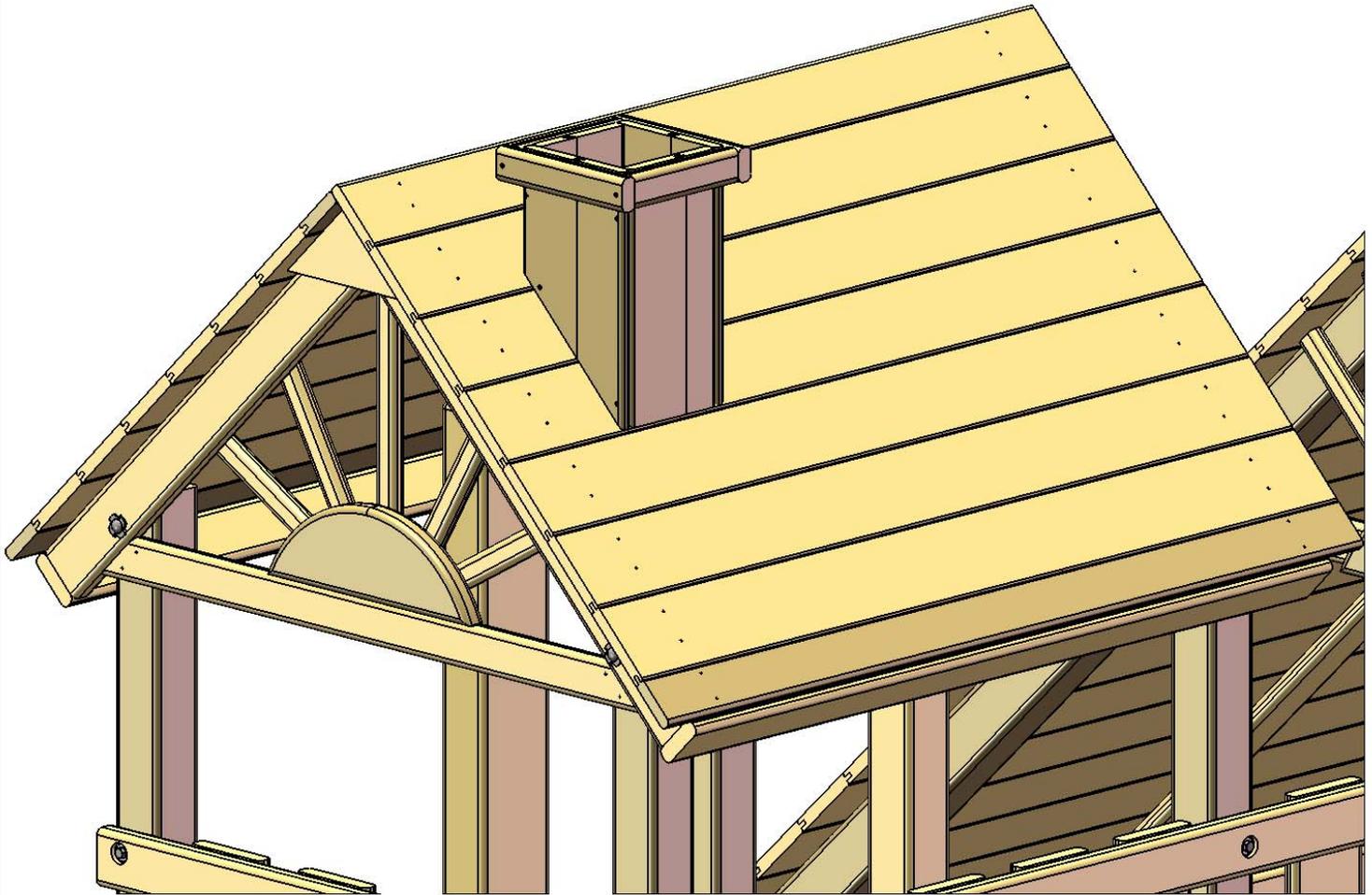
2: ATTACH THE LARGE SUNRAY TO THE SUN ASSEMBLY AND ROOF SUPPORTS WITH ONE 2" WOOD SCREW PER SIDE.



STEP 53: SUNRAYS

1: FIND TWO 5/4 X 2 X 15-1/2" MEDIUM SUNRAYS, AND TWO 5/4 X 2 X 13" SMALL SUNRAYS. THE SUNRAYS WILL MOUNT INSIDE THE FORT TO THE PATTERN SHOWN IN THE BOTTOM VIEW. EXACT PLACEMENT IS NOT NECESSARY AS LONG AS ONE SIDE IS THE SAME AS THE OTHER. IF YOU HAVE A SPEED SQUARE AVAILABLE THIS CAN AID YOU IN THIS PROCESS.

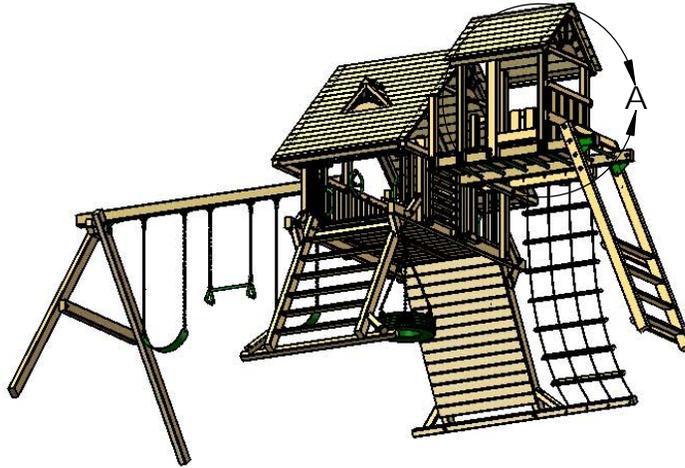
2: PREDRILL EACH SUNRAY WITH A 1/8" DRILL BIT 1" FROM EACH END. ATTACH THE SUNRAYS TO THE SUN ASSEMBLY AND ROOF SUPPORTS WITH ONE 2" WOOD SCREW PER END.



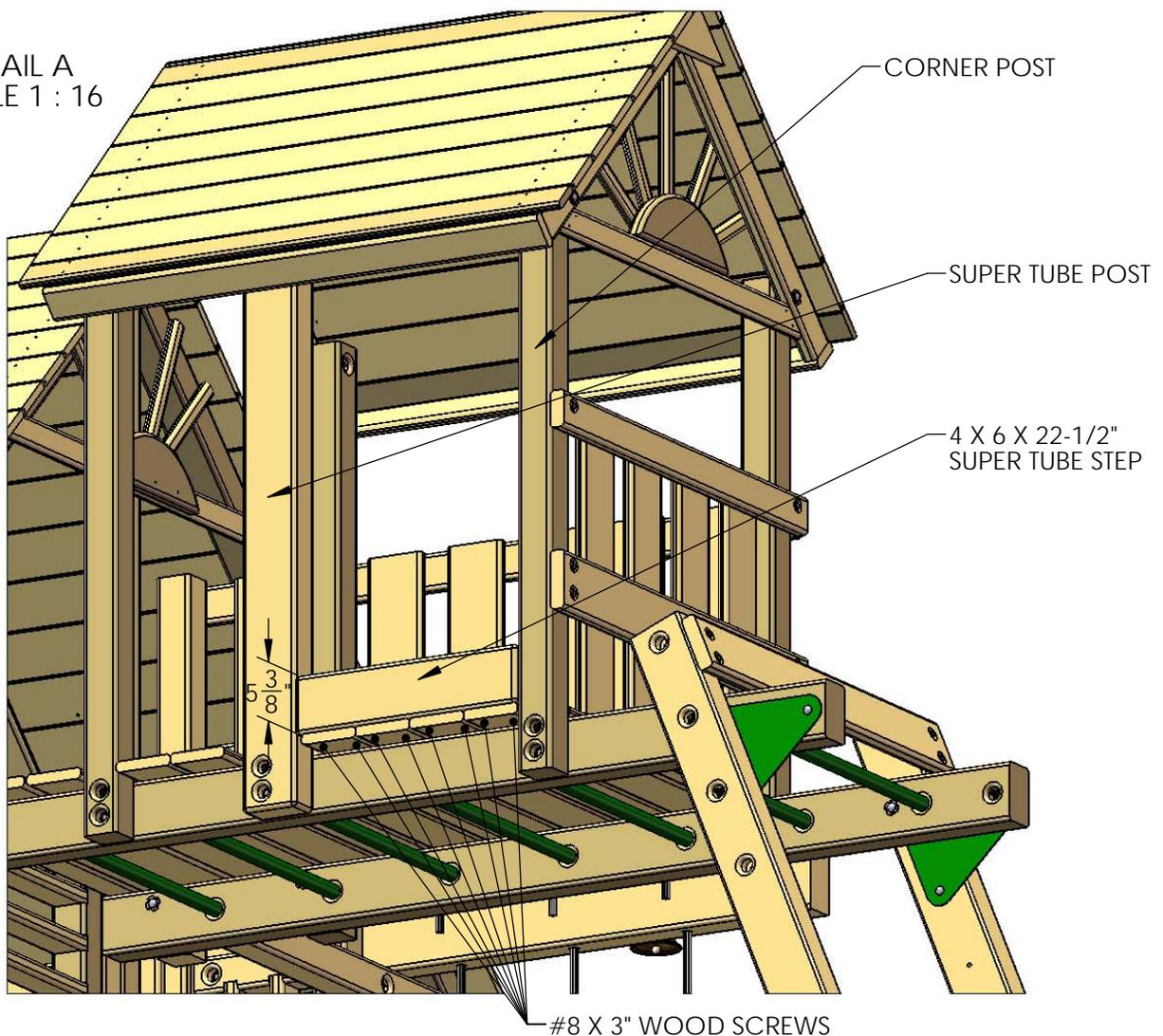
STEP 54: SUPER TUBE STEP

1: PLACE THE 4 X 6 X 22-1/2" SUPER TUBE STEP ON TOP OF THE DECK BOARDS BETWEEN THE SUPER TUBE POST AND THE CORNER POST AS SHOWN. THE 5-3/8" SIDE OF THE SUPER TUBE STEP FACES OUT AND IS FLUSH TO THE OUTSIDE OF THE SUPER TUBE POST AND CORNER POST.

2: ATTACH THE SUPER TUBE STEP TO THE DECK BOARDS USING #8 X 3" WOOD SCREWS. USE TWO WOOD SCREWS PER DECK BOARD TO ATTACH THE SUPER TUBE STEP. INSTALL THE SCREWS FROM THE BOTTOM OF THE DECK BOARDS GOING UP. STAGGER THE SCREWS ON THE DECK BOARDS.



DETAIL A
SCALE 1 : 16

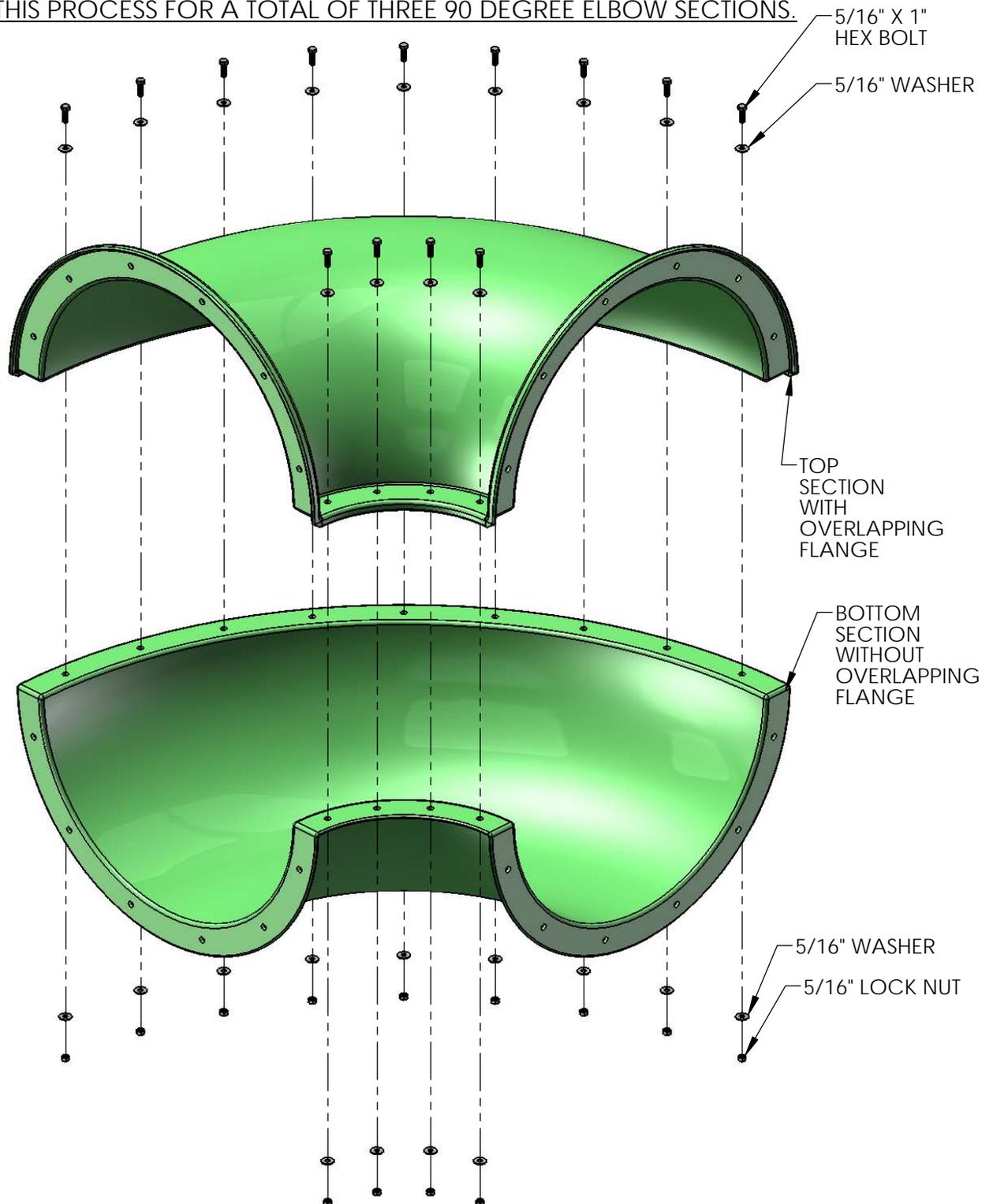


STEP 55-1: ASSEMBLY OF 90 DEGREE ELBOW SECTIONS

1: LOCATE A TOP SLIDE SECTION WITH OVERLAPPING FLANGE AND A BOTTOM SLIDE SECTION WITHOUT AN OVERLAPPING FLANGE. FASTEN THE TOP AND BOTTOM SLIDE SECTIONS TOGETHER ALONG THE FLANGES (RIBS) WITH 5/16" X 1" HEX BOLTS AND 5/16" LOCK NUTS. USE A WASHER ON BOTH SIDES OF THE FLANGE (RIB). MAKE SURE TO PLACE A NUT/BOLT WITH WASHERS IN EACH HOLE PROVIDED ON THE INSIDE AND OUTSIDE RIBS OF THE SLIDE SECTIONS.

NOTE: DO NOT TIGHTEN ANY FASTENERS COMPLETELY UNTIL ALL BOLTS, NUTS AND WASHERS ARE IN PLACE.

2: REPEAT THIS PROCESS FOR A TOTAL OF THREE 90 DEGREE ELBOW SECTIONS.

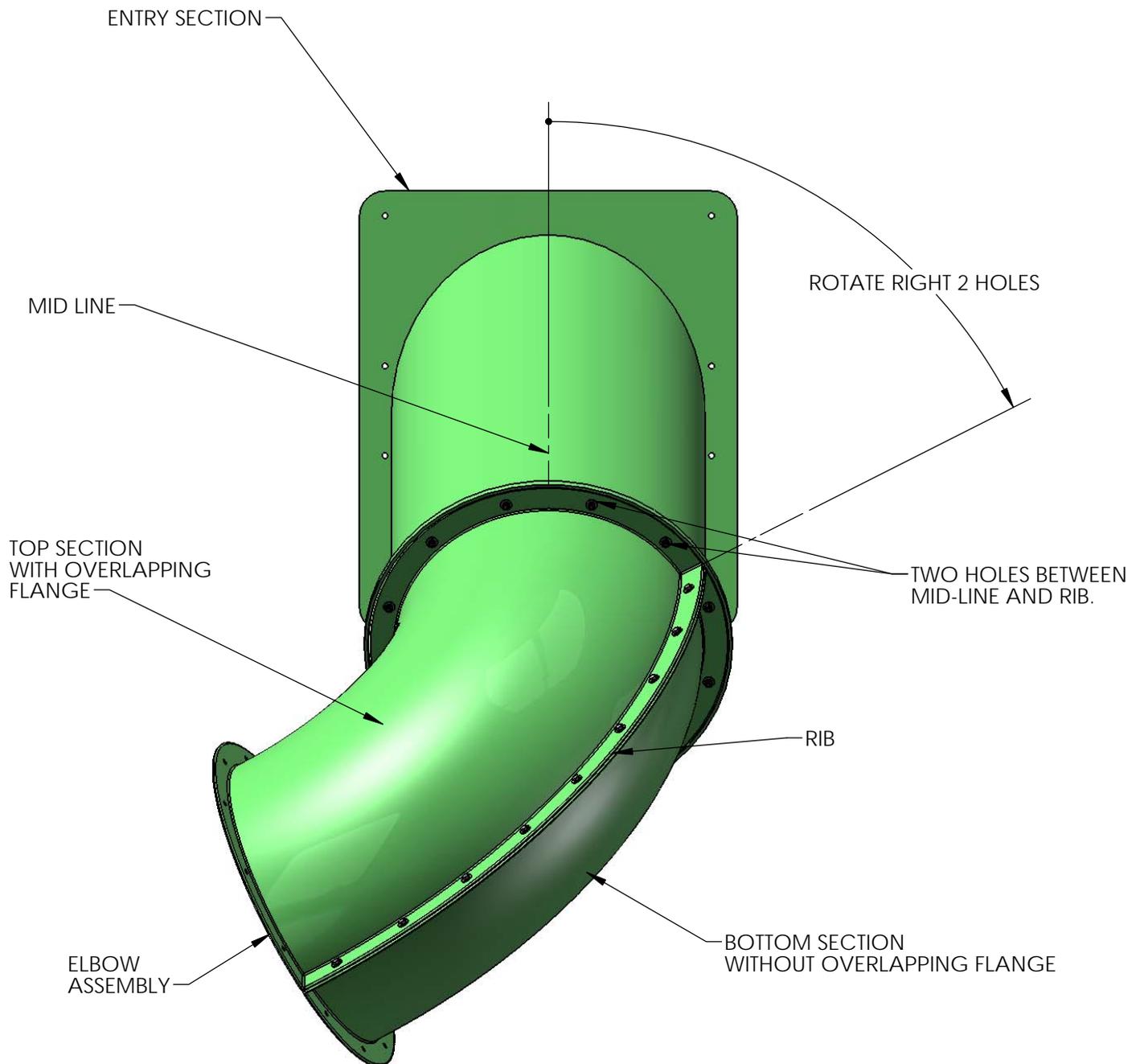


STEP 55-2: ATTACHING ELBOW TO ENTRY SECTION

1: LINE UP THE RIB ON THE ELBOW WITH THE MID LINE ON THE ENTRY SECTION. NOW ROTATE THE ELBOW TWO HOLES TO THE RIGHT.

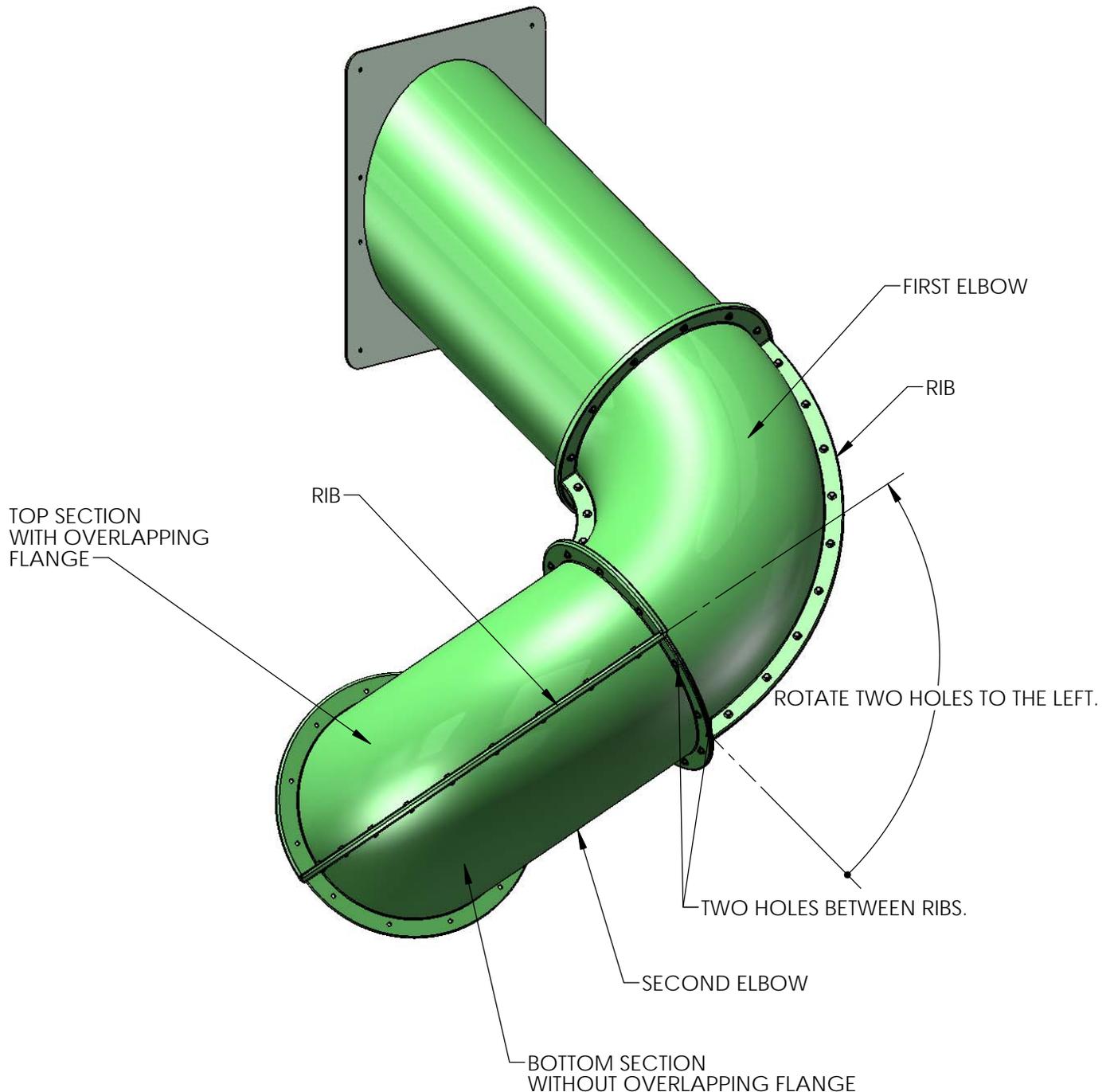
2: ALIGN THE HOLES IN THE ELBOW WITH THE HOLES IN THE ENTRY SECTION. FASTEN THE SECTIONS TOGETHER WITH 5/16" X 1" HEX BOLTS AND 5/16" LOCK NUTS. USE A WASHER ON BOTH SIDERS OF THE FLANGE. FASTEN THE SECTIONS AT THE TOP AND BOTTOM FIRST, THEN FASTEN THE REST OF THE NUTS/BOLTS.

NOTE: DO NOT TIGHTEN ANY FASTENERS UNTIL ALL BOLTS, NUTS AND WASHERS ARE IN PLACE.



STEP 55-3: ATTACHING SECOND ELBOW TO FIRST ELBOW

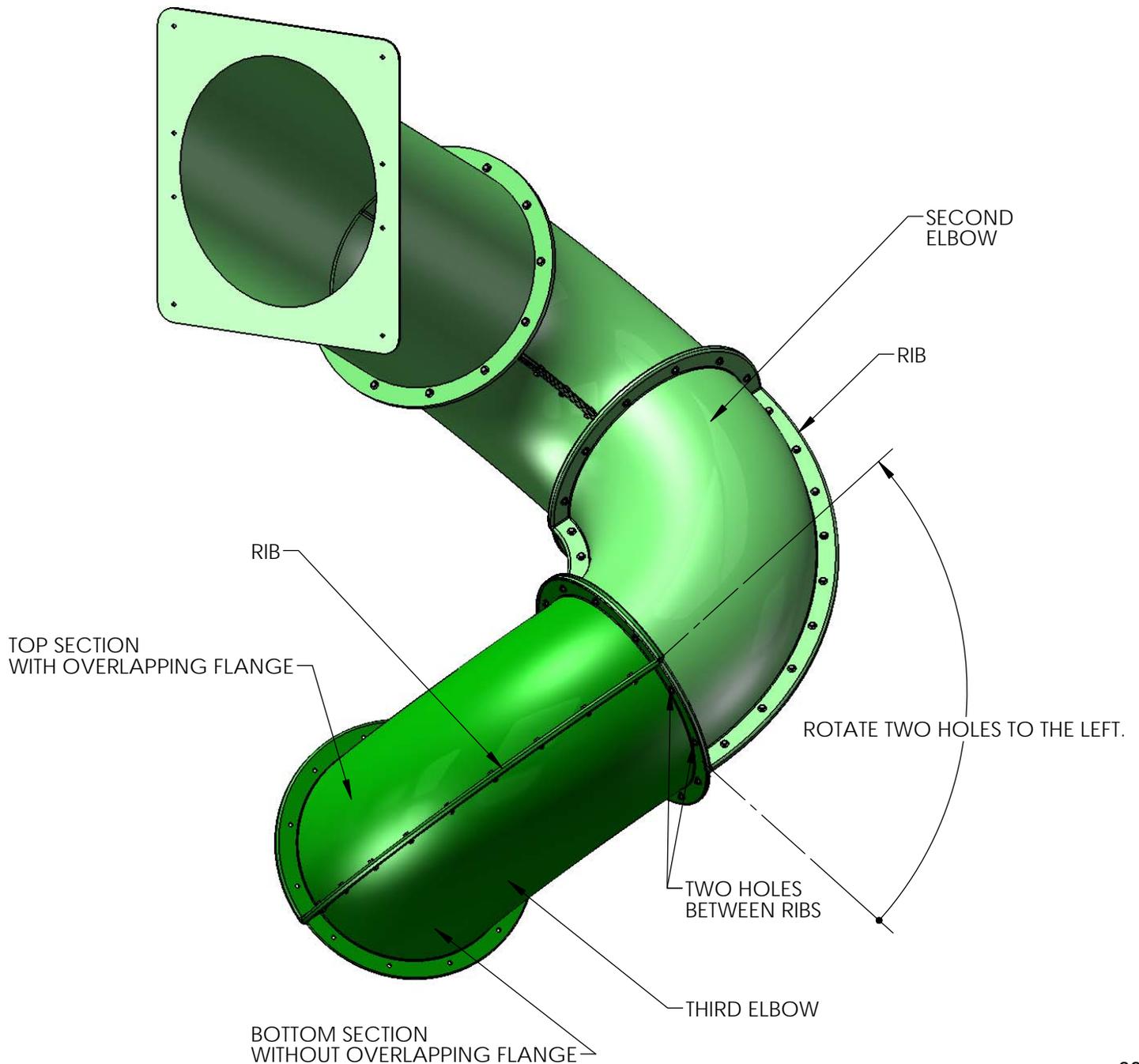
- 1: ALIGN THE RIBS IN EACH ELBOW WITH ONE ANOTHER SO THAT YOU MAKE A "U" SHAPE.
 - 2: ROTATE THE SECOND ELBOW ASSEMBLY TO THE LEFT SO THAT THERE ARE TWO HOLES BETWEEN THE RIBS.
 - 3: FASTEN THE SECOND ELBOW TO THE FIRST ELBOW WITH 5/16" X 1" HEX BOLTS AND 5/16" LOCK NUTS. USE A WASHER ON BOTH SIDES OF THE FLANGE.
 - 4: FASTEN THE SECTIONS TOGETHER AT THE TOP AND BOTTOM FIRST, THEN FASTEN THE REST OF THE NUTS/BOLTS.
- NOTE: DO NOT TIGHTEN THE FASTENERS UNTIL ALL BOLTS, NUTS AND WASHERS ARE IN PLACE.



STEP 55-4: ATTACHING THIRD ELBOW TO SECOND ELBOW

- 1: ALIGN THE RIBS IN EACH ELBOW WITH ONE ANOTHER SO THAT YOU MAKE A "U" SHAPE.
- 2: ROTATE THE THIRD ELBOW ASSEMBLY TO THE LEFT SO THAT THERE ARE TWO HOLES BETWEEN THE RIBS.
- 3: FASTEN THE THIRD ELBOW TO THE SECOND ELBOW WITH 5/16" X 1" HEX BOLTS AND 5/16" LOCK NUTS. USE A WASHER ON BOTH SIDES OF THE FLANGE.
- 4: FASTEN THE SECTIONS TOGETHER AT THE TOP AND BOTTOM FIRST, THEN FASTEN THE REST OF THE NUTS/BOLTS.

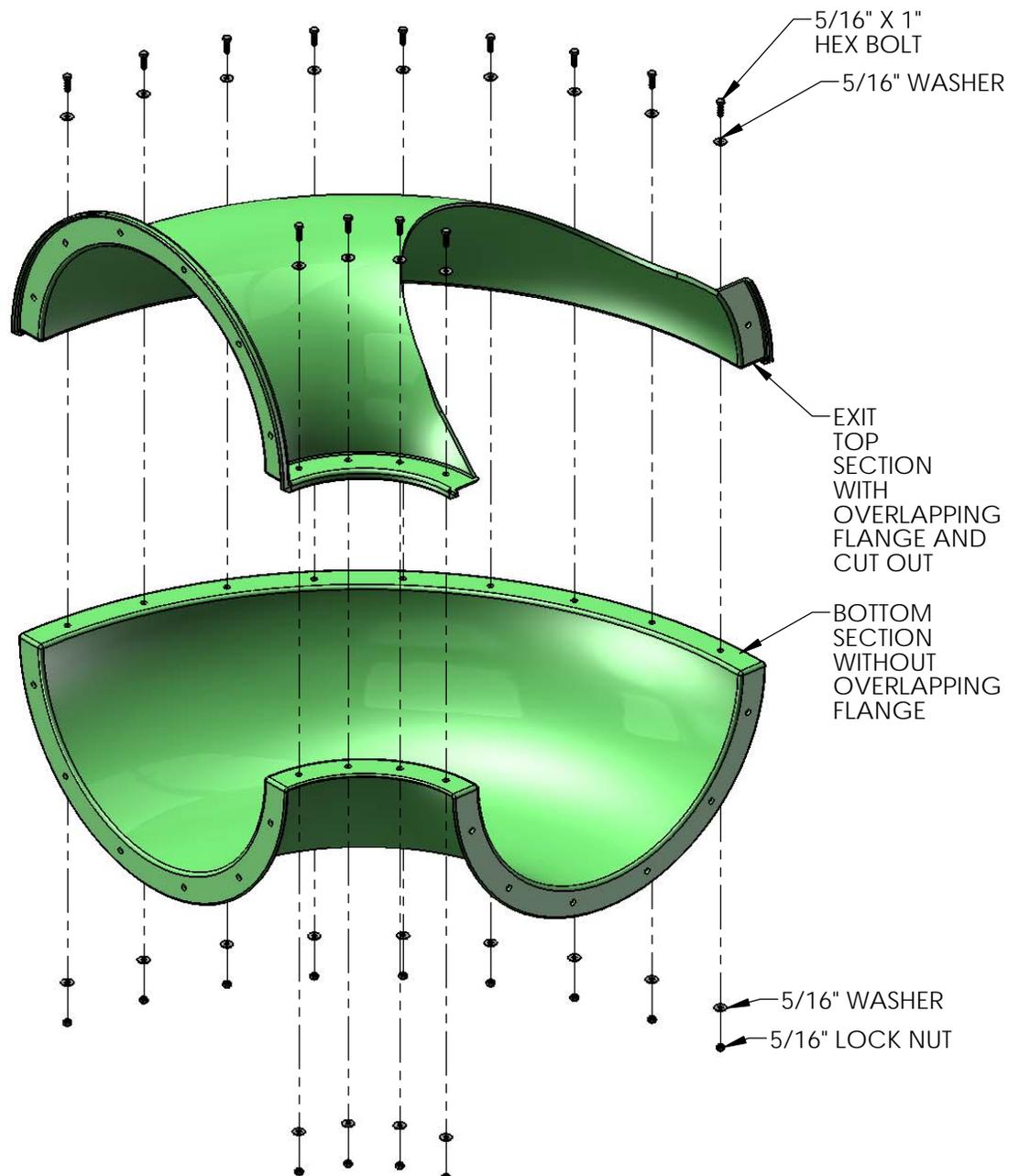
NOTE: DO NOT TIGHTEN THE FASTENERS UNTIL ALL BOLTS, NUTS AND WASHERS ARE IN PLACE.



STEP 55-5: EXIT ELBOW ASSEMBLY

1: LOCATE THE TOP EXIT SLIDE SECTION WITH OVERLAPPING FLANGE/CUT OUT AND A BOTTOM SLIDE SECTION WITHOUT AN OVERLAPPING FLANGE. FASTEN THE TOP AND BOTTOM SLIDE SECTIONS TOGETHER ALONG THE FLANGES (RIBS) WITH 5/16" X 1" HEX BOLTS AND 5/16" LOCK NUTS. USE A WASHER ON BOTH SIDES OF THE FLANGE (RIB). MAKE SURE TO PLACE A NUT/BOLT WITH WASHERS IN EACH HOLE PROVIDED ON THE INSIDE AND OUTSIDE RIBS OF THE SLIDE SECTIONS.

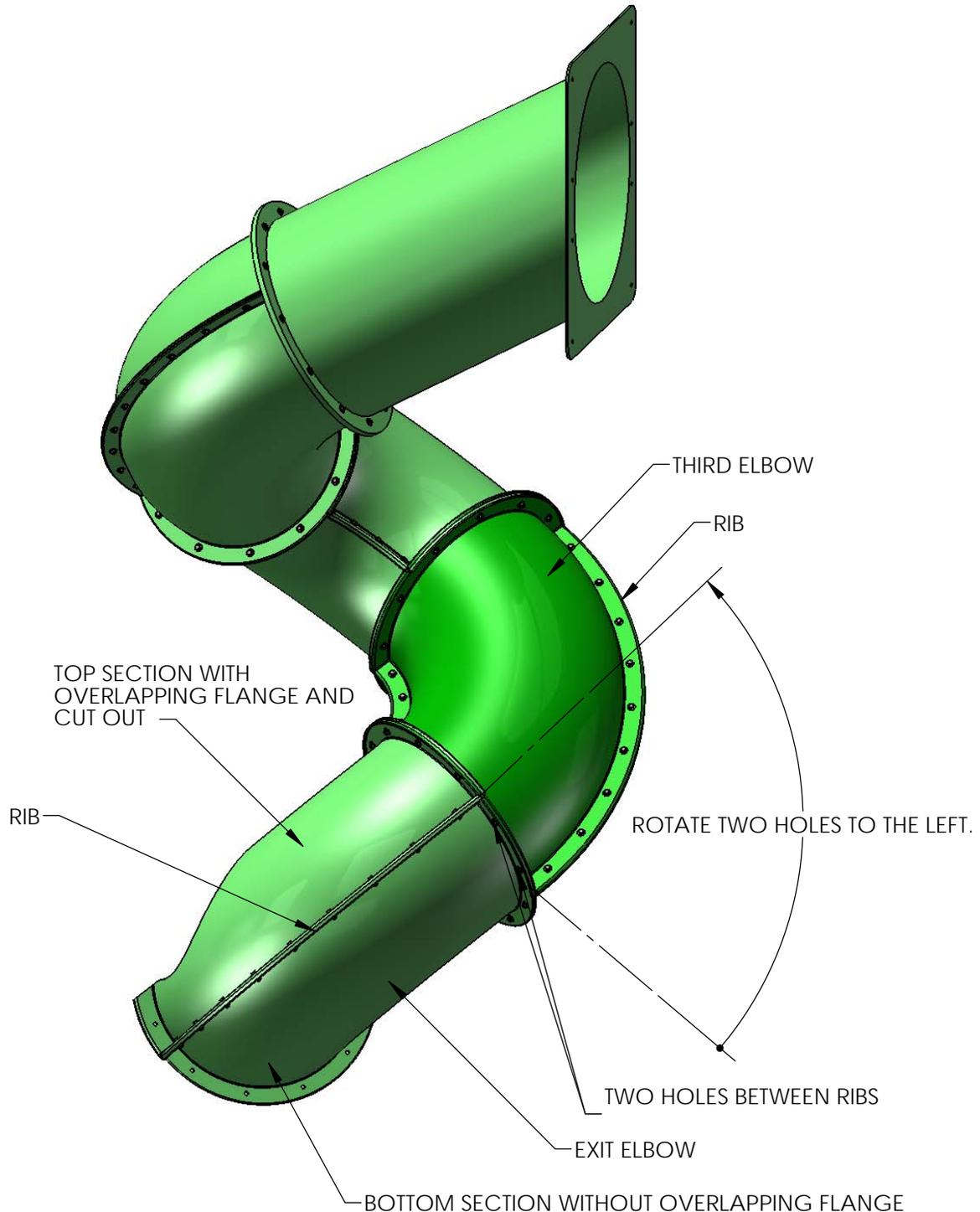
NOTE: DO NOT TIGHTEN ANY FASTENERS COMPLETELY UNTIL ALL BOLTS, NUTS AND WASHERS ARE IN PLACE.



STEP 55-6: ATTACHING EXIT ELBOW TO THIRD ELBOW

- 1: ALIGN THE RIBS IN EACH ELBOW WITH ONE ANOTHER SO THAT YOU MAKE A "U" SHAPE.
- 2: ROTATE THE EXIT ELBOW ASSEMBLY TO THE LEFT SO THAT THERE ARE TWO HOLES BETWEEN THE RIBS.
- 3: FASTEN THE EXIT ELBOW TO THE THIRD ELBOW WITH 5/16" X 1" HEX BOLTS AND 5/16" LOCK NUTS. USE A WASHER ON BOTH SIDES OF THE FLANGE.
- 4: FASTEN THE SECTIONS TOGETHER AT THE TOP AND BOTTOM FIRST, THEN FASTEN THE REST OF THE NUTS/BOLTS.

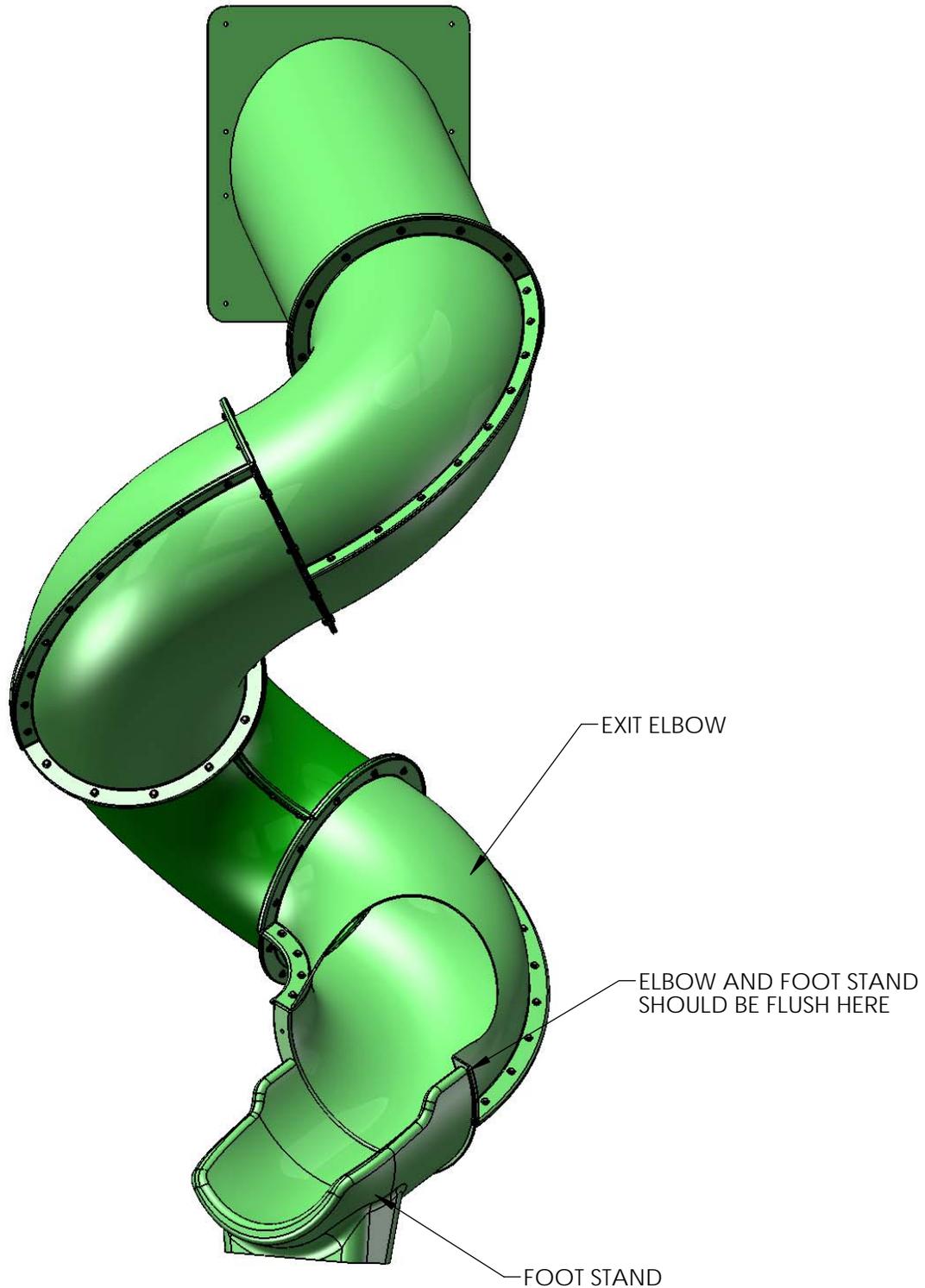
NOTE: DO NOT TIGHTEN THE FASTENERS UNTIL ALL BOLTS, NUTS AND WASHERS ARE IN PLACE.



STEP 55-7: ATTACHING FOOT STAND TO EXIT ELBOW

1: PLACE THE FOOT STAND AGAINST THE EXIT ELBOW AS SHOWN.

2: ATTACH THE FOOT STAND TO THE EXIT ELBOW WITH 5/16" X 3/4" HEX BOLTS AND 5/16" LOCK WASHERS AND 5/16" WASHERS.



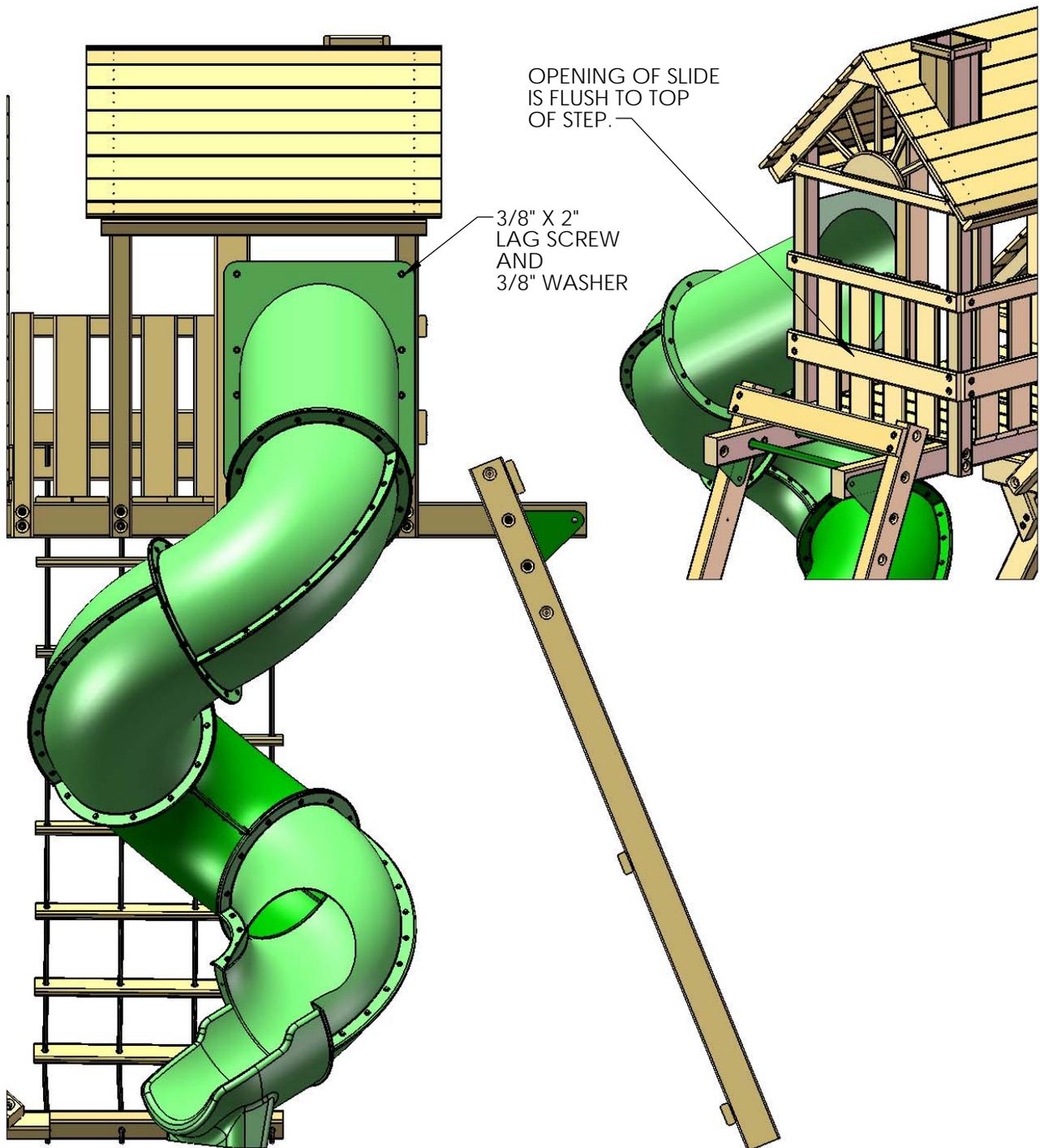
STEP 56: ATTACHING SUPER TUBE SLIDE

1: HAVE AN ASSISTANT HELP YOU LIFT THE SUPER TUBE SLIDE INTO POSITION.

2: THE OPENING OF THE SUPER TUBE SLIDE SHOULD BE FLUSH TO THE TOP OF THE SUPER TUBE STEP. IF THIS OPENING IS NOT FLUSH THEN EITHER DIG OUT DIRT UNDER THE FOOT STAND OR SHIM THE FOOT STAND UP.

3: WHEN THE OPENING IS FLUSH, USE THE HOLES IN THE ENTRY SECTION AS A GUIDE TO DRILL $3/16$ " HOLES BY 3" DEEP INTO THE CORNER POSTS.

4: ATTACH THE ENTRY SECTION TO THE SUPER TUBE POST AND CORNER POST WITH $3/8$ " X 2" LAG SCREWS AND $3/8$ " WASHERS.



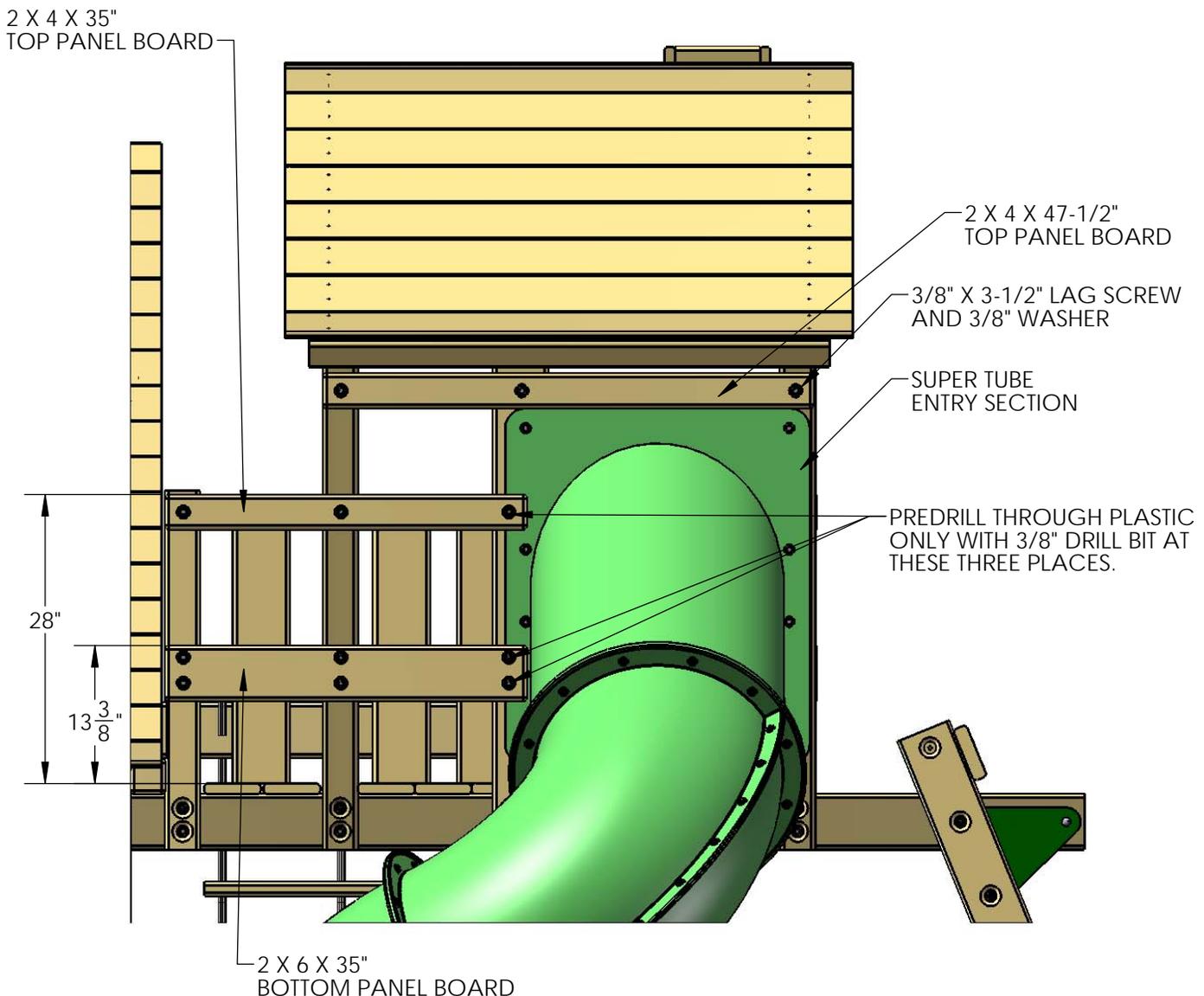
STEP 57: SIDE PANEL AND TOP PANEL BOARD

1: IN THIS STEP THE CONSTRUCTION OF THE SIDE PANEL NEXT TO THE SUPER TUBE SLIDE WILL BEGIN AND A TOP PANEL BOARD OVER THE SUPER TUBE ENTRY SECTION WILL BE INSTALLED.

2: PLACE THE 2 X 4 X 47-1/2" TOP PANEL BOARD ABOVE THE ENTRY SECTION OF THE SUPER TUBE SLIDE. ATTACH THE TOP PANEL BOARD TO THE CORNER POSTS AND SUPER TUBE POST WITH 3/8" X 3-1/2" LAG SCREWS AND 3/8" WASHERS.

3: PLACE THE 2 X 4 X 35" TOP PANEL BOARD BESIDE THE SUPER TUBE SLIDE. THE TOP OF THE TOP PANEL BOARD SHOULD BE 28" ABOVE THE TOP OF THE DECK BOARDS. WHERE THE TOP PANEL BOARD OVERLAPS THE SUPER TUBE ENTRY SECTION PREDRILL A 3/8" HOLE THROUGH THE PLASTIC ONLY IN THAT AREA BEFORE INSTALLING FASTENERS. ATTACH THE TOP PANEL BOARD TO THE CORNER POSTS AND SUPER TUBE POST WITH 3/8" X 3-1/2" LAG SCREWS AND 3/8" WASHERS.

4: PLACE THE 2 X 6 X 35" BOTTOM PANEL BOARD BESIDE THE SUPER TUBE. THE TOP OF THE BOTTOM PANEL BOARD SHOULD BE 13-3/8" ABOVE THE TOP OF THE DECK BOARDS. WHERE THE BOTTOM PANEL BOARD OVERLAPS THE SUPER TUBE ENTRY SECTION PREDRILL A 3/8" HOLE THROUGH THE PLASTIC ONLY IN THAT AREA BEFORE INSTALLING FASTENERS. ATTACH THE BOTTOM PANEL BOARD TO THE CORNER POSTS AND SUPER TUBE POST WITH 3/8" X 3-1/2" LAG SCREWS AND 3/8" WASHERS.

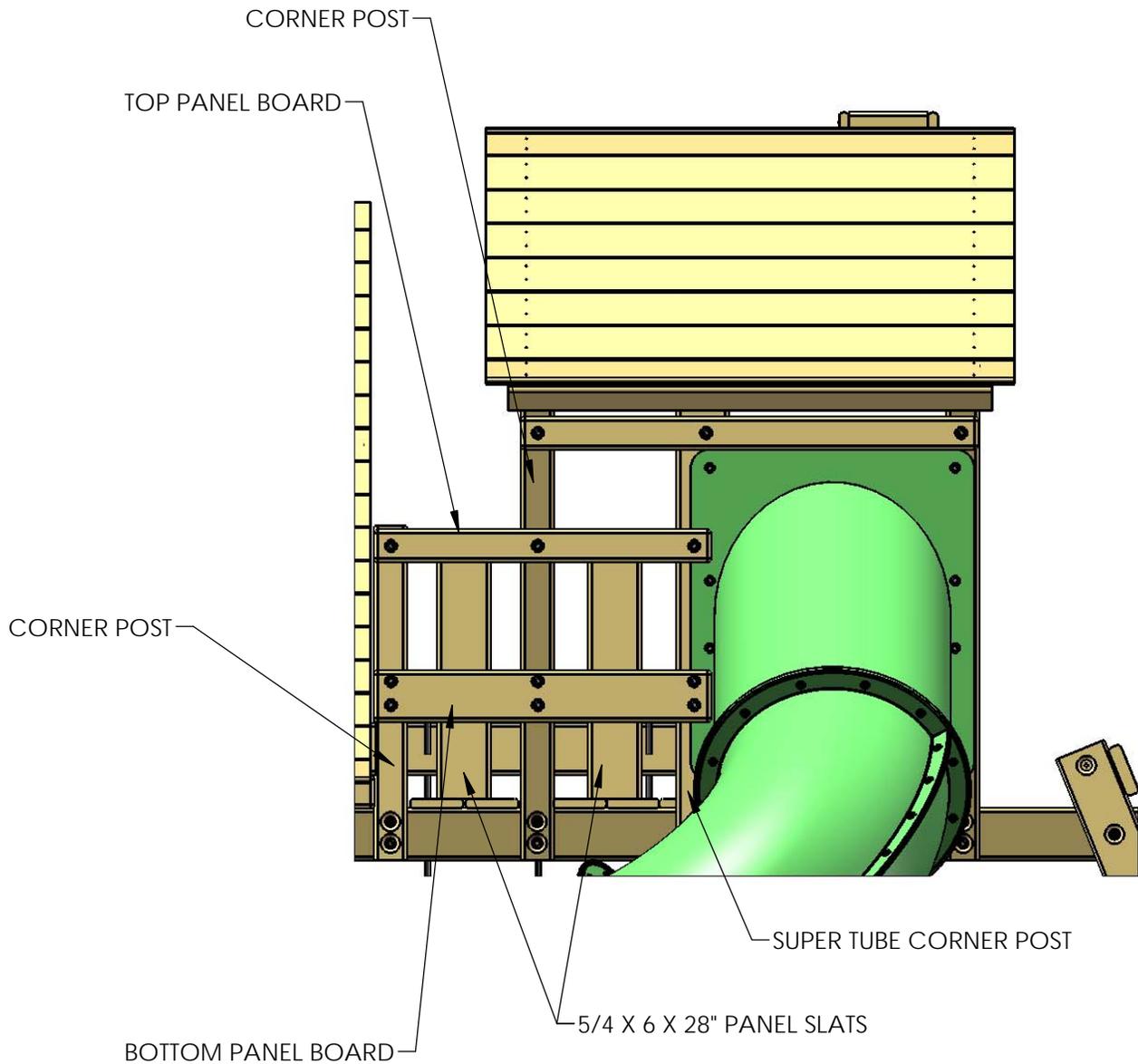


STEP 58: PANEL SLATS

1: LOCATE TWO 5/4 X 6 X 28" PANEL SLATS.

2: CENTER EACH PANEL SLAT BETWEEN THE CORNER POSTS AND LET THE BOTTOM OF THE SLAT REST ON TOP OF THE DECK.

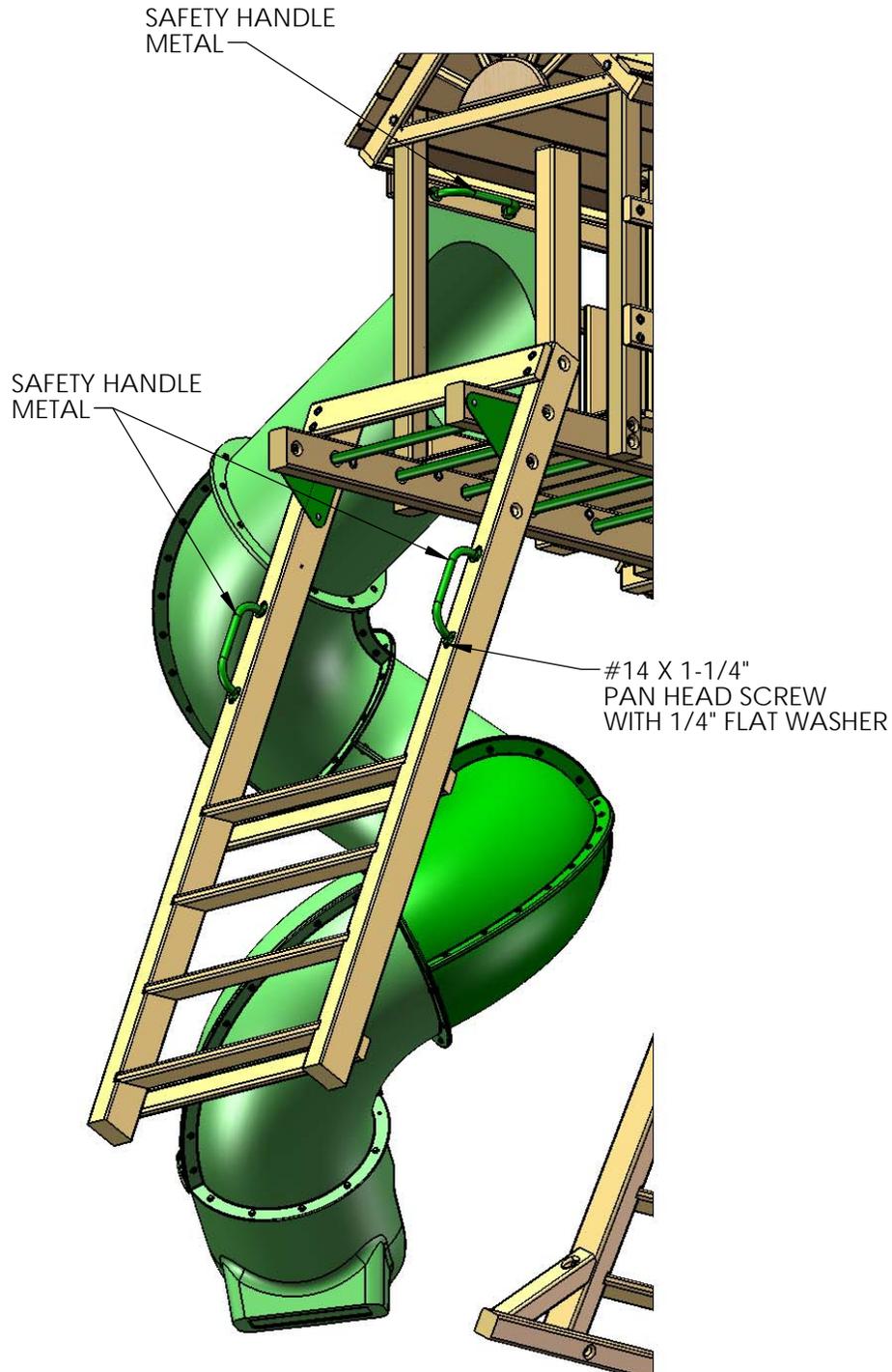
3: ATTACH EACH PANEL SLAT TO THE TOP AND BOTTOM PANEL BOARDS WITH FOUR #8 X 2" WOOD SCREWS.



STEP 59: SAFETY HANDLES (METAL)

1: PLACE A SAFETY HANDLE ABOVE THE SUPER TUBE SLIDE ON THE TOP PANEL BOARD. ATTACH THE SAFETY HANDLE TO THE TOP PANEL BOARD WITH TWO #14 X 1-1/4" PAN HEAD SCREWS AND TWO 1/4" FLAT WASHERS.

2: PLACE A SAFETY HANDLE ON EACH SIDE OF THE LADDER. ADJUST THE HANDLES UP OR DOWN TO SUIT THE NEEDS OF YOUR CHILD. ATTACH EACH HANDLE TO THE LADDER WITH TWO #14 X 1-1/4" PAN HEAD SCREWS AND TWO 1/4" FLAT WASHERS.

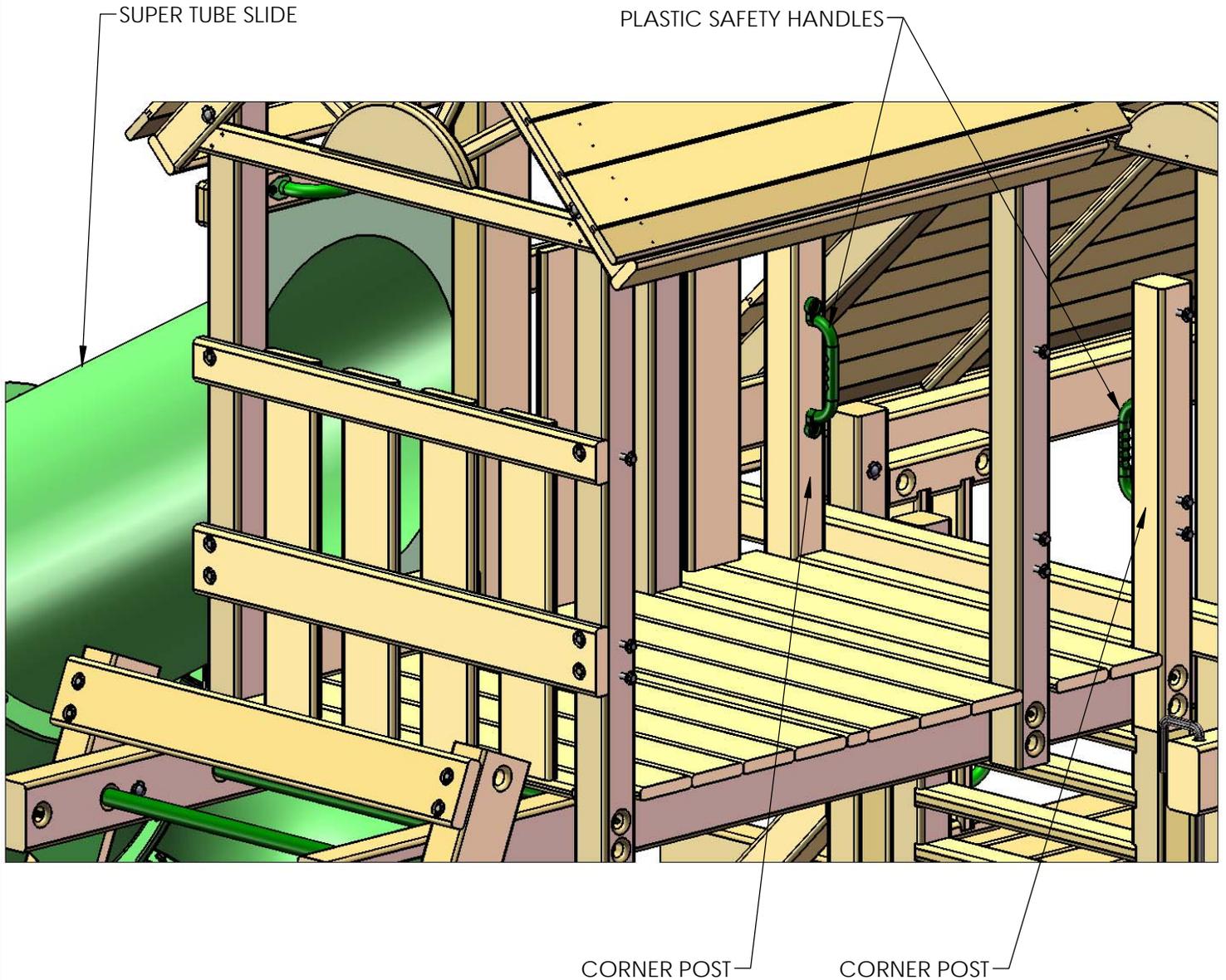


STEP 60: SAFETY HANDLES (PLASTIC)

1: PLACE A PLASTIC SAFETY HANDLE ON THE CORNER POSTS AT THE ENTRY OF THE SKY LOFT.

2: ADJUST THE PLASTIC SAFETY HANDLES UP OR DOWN TO SUIT THE NEEDS OF YOUR CHILD.

3: USE THE SCREWS AND WASHERS PROVIDED WITH THE PLASTIC SAFETY HANDLES TO ATTACH THEM TO THE CORNER POSTS.



STEP 61: TIC TAC TOE

1: ASSEMBLE THE TIC TAC TOE ACCORDING TO THE INSTRUCTIONS IN THE BOX. IGNORE STEPS 6 AND 7.

2: ATTACH THE 1-3/8" X 1-5/8" X 10-1/2" TIC TAC TOE BOARDS TO THE GREEN BRACKETS OF THE TIC TAC TOE PANEL PAYING ATTENTION TO THE 1-5/8" DIMENSION SHOWN BELOW.

3: PLACE THE TIC TAC TOE AGAINST THE WALL PANEL CLOSEST TO THE STEPS ON THE LOWER LEVEL DECK. THE BOTTOM OF THE LOWER TIC TAC TOE BOARD SHOULD BE 4" ABOVE THE DECK.

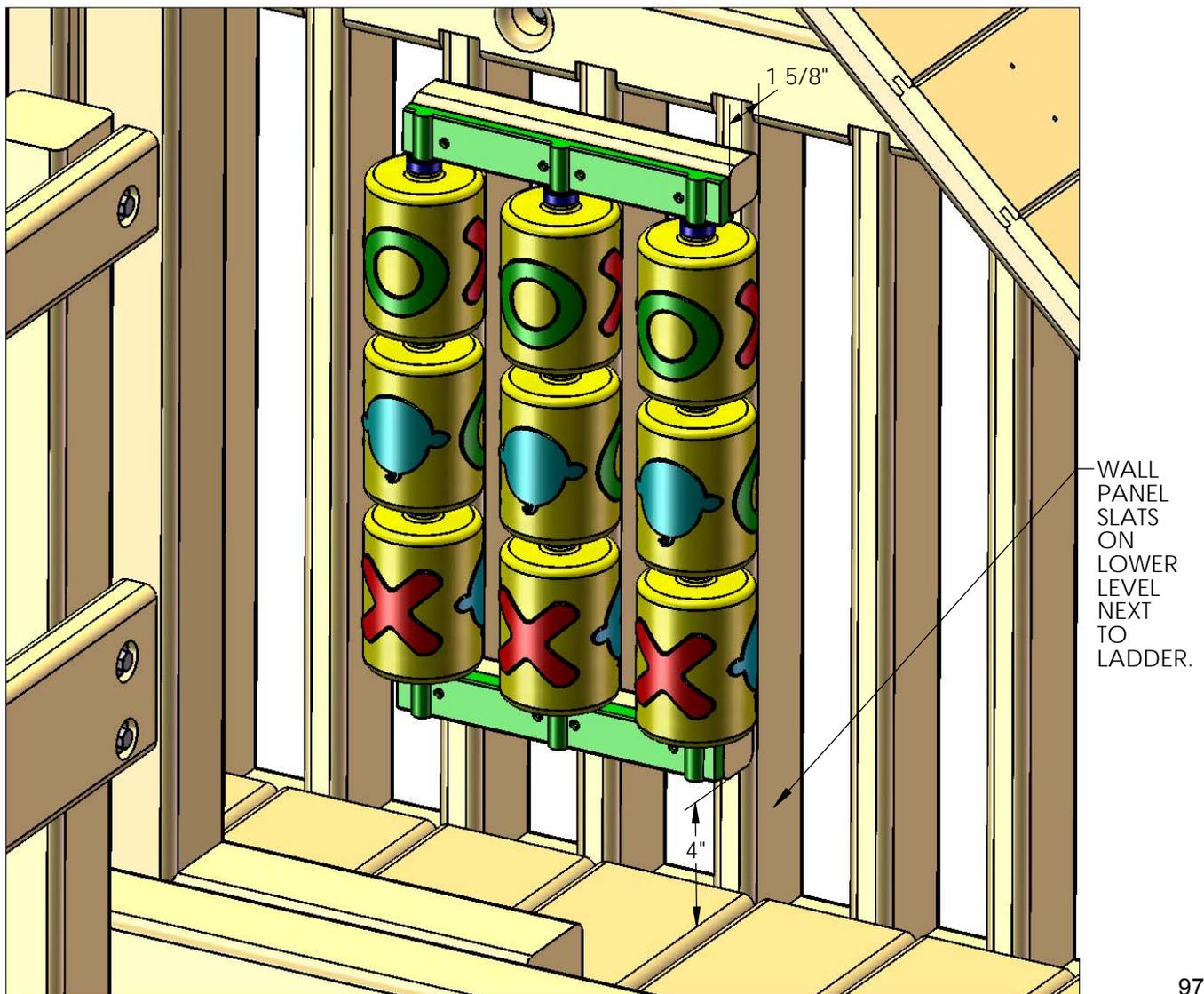
4: MAKE A MARK ABOVE THE TOP MOST TIC TAC TOE BOARD ONTO THE WALL PANEL SLATS WITH A PENCIL. NOW MAKE A MARK BELOW THE LOWER TIC TAC TOE BOARD ONTO THE WALL PANEL SLATS WITH A PENCIL.

5: REMOVE THE TIC TAC TOE BOARDS FROM THE TIC TAC TOE.

6: LINE UP THE TOP SURFACE OF THE TOP TIC TAC TOE BOARD WITH THE PENCIL MARK. OBSERVING THE 1-5/8" DIMENSION. NOW DRILL A 1/8" HOLE THROUGH THE TIC TAC TOE BOARD ON EACH END WHERE THE END OVERLAPS A SLAT IN THE WALL PANEL. ATTACH THE TOP TIC TAC TOE BOARD TO THE SLATS WITH TWO #8 X 3" WOOD SCREWS.

7: LINE UP THE BOTTOM SURFACE OF THE LOWER TIC TAC TOE BOARD WITH THE PENCIL MARK. OBSERVING THE 1-5/8" DIMENSION. NOW DRILL A 1/8" HOLE THROUGH THE TIC TAC TOE BOARD ON EACH END WHERE THE END OVERLAPS A SLAT IN THE WALL PANEL. ATTACH THE LOWER TIC TAC TOE BOARD TO THE SLATS WITH TWO #8 X 3" WOOD SCREWS.

8: REATTACH THE TIC TAC TOE PANEL TO THE TIC TAC TOE BOARDS.

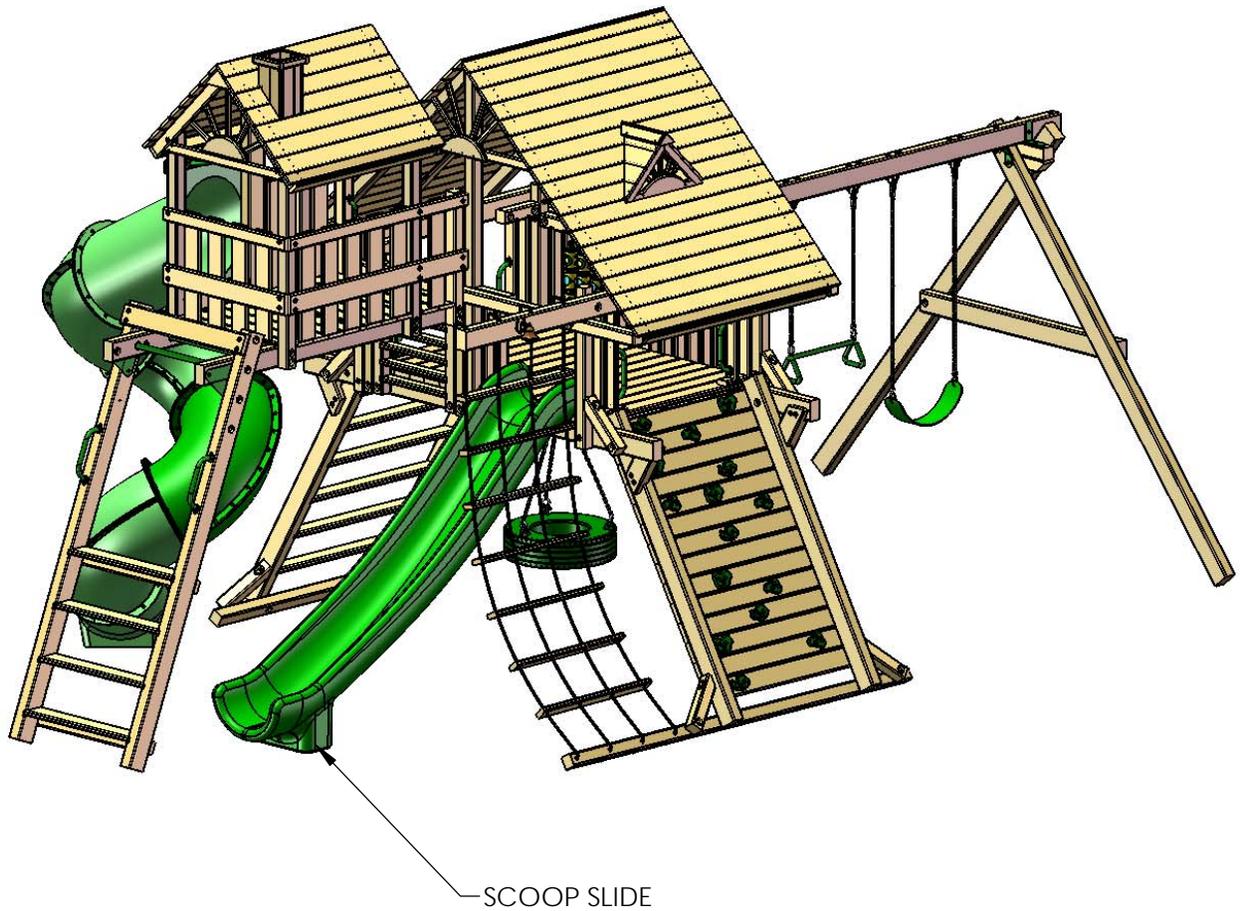


STEP 62: SCOOP SLIDE

1: PLACE THE SCOOP SLIDE IN THE OPENING BESIDE THE SKY LOFT.

2: CENTER THE SCOOP SLIDE IN THE OPENING AND PLACE THE NOTCHED BOTTOM OF THE SCOOP SLIDE ON TOP OF THE DECK.

3: ATTACH THE SCOOP SLIDE TO THE DECK WITH THREE #14 X 1-1/4" PAN HEAD SCREWS.

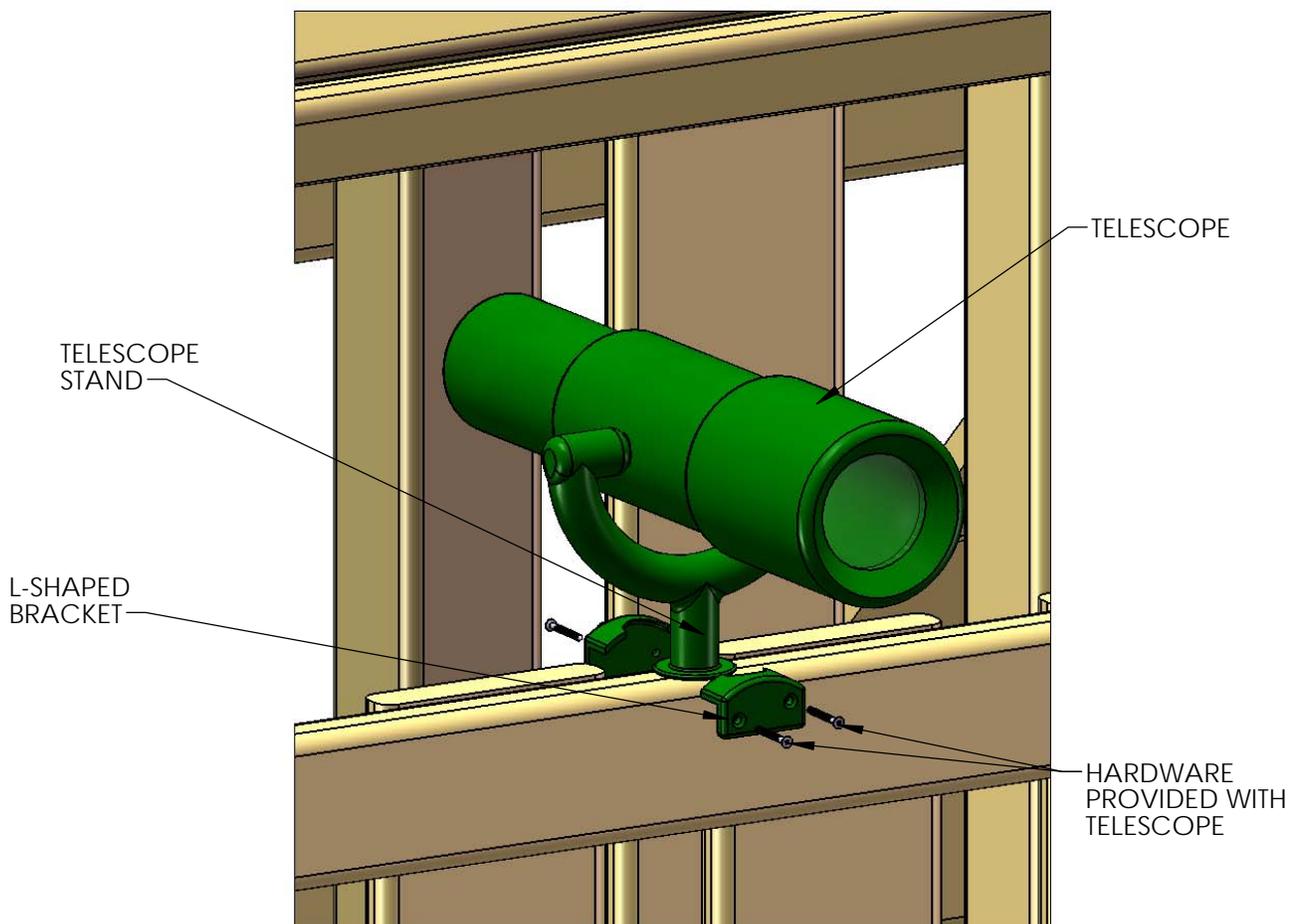


STEP 63: TELESCOPE

1: PLACE THE TELESCOPE STAND ON TOP OF THE TOP RAIL OF THE SIDE PANEL ON THE SKY LOFT. THE TELESCOPE STAND SHOULD BE IN BETWEEN THE PANEL SLATS OF THE SIDE PANEL.

2: PLACE ONE OF THE L-SHAPED TELESCOPE BRACKETS AGAINST THE TOP RAIL FITTING THE CUTOUT AROUND THE TELESCOPE STAND. ATTACH THE TELESCOPE BRACKET TO THE TOP RAIL WITH THE HARDWARE PROVIDED WITH THE TELESCOPE.

3: PLACE THE OTHER L-SHAPED TELESCOPE BRACKET DIRECTLY ACROSS FROM THE FIRST L-SHAPED TELESCOPE BRACKET. ATTACH THE TELESCOPE BRACKET TO THE TOP RAIL WITH THE HARDWARE PROVIDED WITH THE TELESCOPE.



STEP 64: FLAG KITS

1: ATTACH THE PLASTIC FLAG BASE TO THE ROOF PEAK SUPPORT, SIDE RAILS AND SWING BEAM AS SHOWN BELOW.

2: USE THE 1/2" PHILLIPS PAN HEAD SCREWS PROVIDED WITH THE FLAGS TO ATTACH THE FLAG BASE TO THE PLAY SET.

3: INSERT THE FLAG MAST INTO THE FLAG BASE.

FLAG -
MOUNT TO TRIANGLE
SHAPED ROOF PEAK
SUPPORT

FLAG -
MOUNT TO FRONT OF SWING BEAM

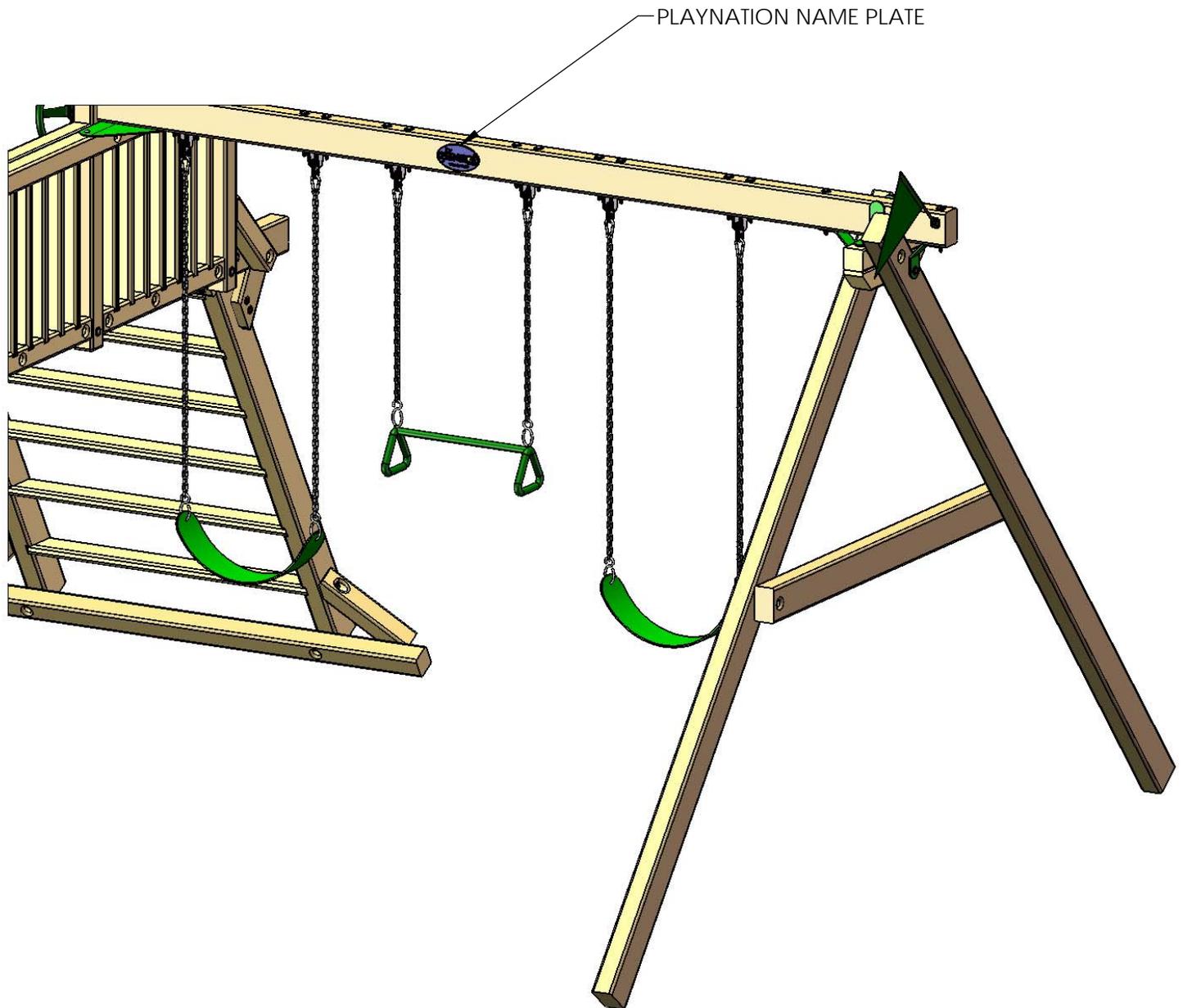


FLAGS -
MOUNT TO END OF SIDE RAILS

STEP 65: NAME PLATE

1: CENTER THE PLAYNATION NAME PLATE OVER THE MIDDLE SWING POSITION ON THE SWING BEAM.

2: ATTACH THE PLAYNATION NAME PLATE TO THE SWING BEAM WITH TWO 1-1/2" WOOD SCREWS.



STEP 66: ROCK WALL ROPE

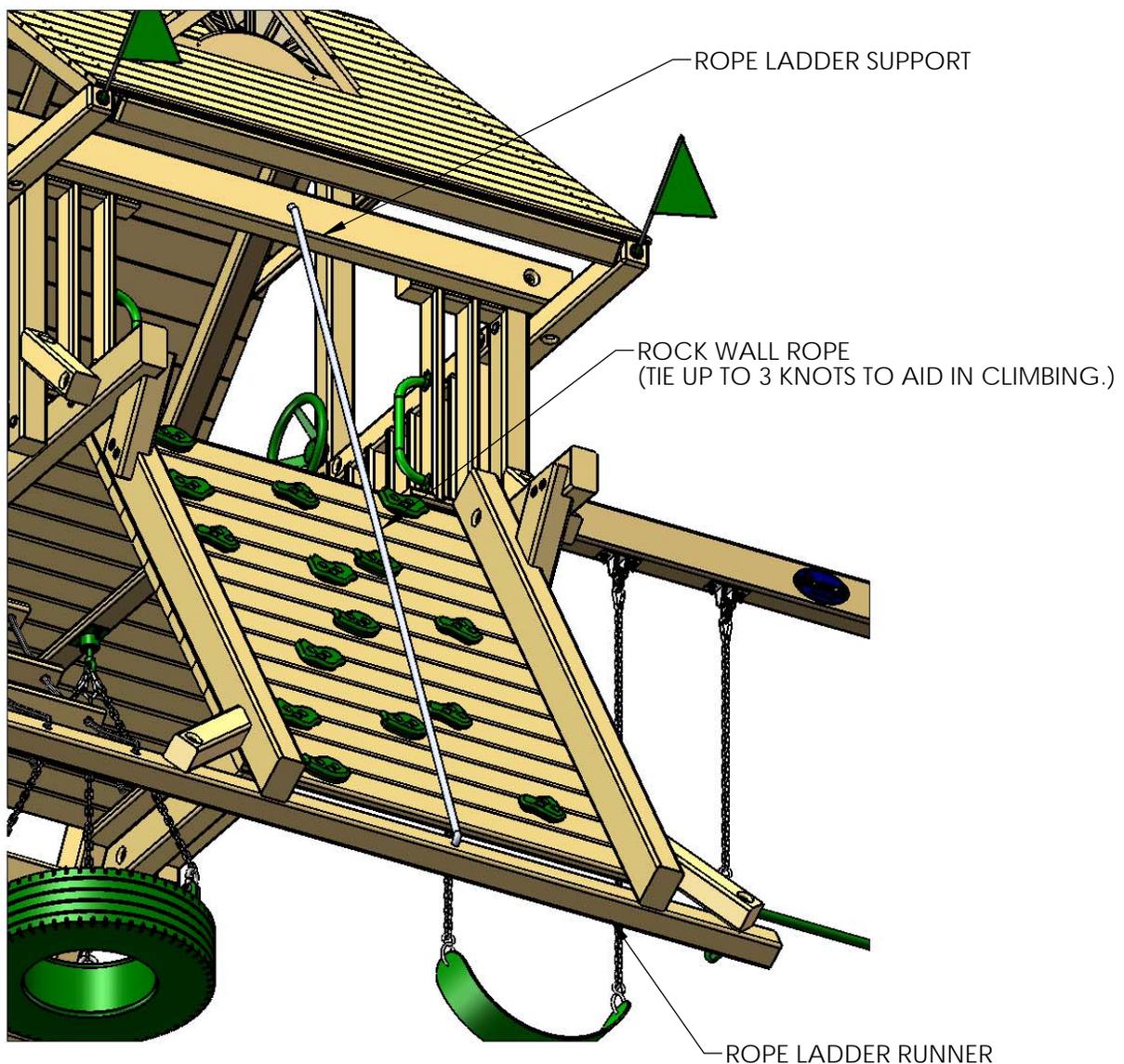
1: LOCATE THE 12 FT ROCK WALL ROPE.

2: PLACE ONE END OF THE ROPE THROUGH THE HOLE IN THE ROPE LADDER RUNNER. TIE A SECURE KNOT IN THE END OF THE ROPE.

3: YOU MAY TIE UP TO 3 KNOTS TO AID IN CLIMBING AT THIS TIME. TIE KNOTS IN LOCATIONS SUITABLE FOR YOUR CHILD.

4: PASS THE TOP END OF THE ROPE THROUGH THE HOLE IN THE ROPE LADDER SUPPORT. TIE A SECURE KNOT IN THE END OF THE ROPE.

GRAB THE ROPE IN YOUR HAND. IF THE ROPE WRAPS AROUND YOUR HAND IT IS TOO LOOSE. UNTIE THE ROPE BEHIND THE ROPE LADDER SUPPORT AND RETIE IT UNTIL IT WILL NO LONGER WRAP AROUND YOUR HAND.



WARRANTY REGISTRATION

- COLOSSAL KINGDOM ELITE -

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 _____

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?
 ★★★★★ Excellent
 ★★★★ Above Average
 ★★★ Average
 ★★ Below Average
 ★ Poor

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

Comments: _____

