



## Wilderness Gym Treehouse with Skyloft

### Model: 1500JWFSL

(BOXES: 1501, 1503N, 1509N,  
1509W, 1512, 1512A, 1519,  
1520(X2), 1522, 1525 1530,  
1542, 1500A, 1500B, 1500D,  
1500E, 1500G, 1500H, Quick  
Connect Turbo box & Slide Box)

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51-1127

166 Etowah Industrial Court  
Canton, GA 30114

[www.gorillaplaysets.com](http://www.gorillaplaysets.com)

REV: 7.26.2023

## **!!READ BEFORE BEGINNING PLAYSET ASSEMBLY - EXTREMELY IMPORTANT!!**

There will be deviations and detours in the main playset manual to allow the addition of this **1542 Skyloft Add On kit**. If your playset has a **1525 Treehouse Add on Kit** make sure you read through all of that manual thoroughly before beginning assembly of the playset. The 1525 manual is usually found in the appendix of the playset manual.

Shown on the cover of this manual is the 1542 Skyloft Add On kit with our Standard Wood Roof. Should your playset include a **1525 Treehouse Kit** then you will need to postpone installation of that item until after the **1542 Skyloft Add On Kit** is installed.

Construct the playset in the following way:

- 1) Assemble the playset wood roof up until the point that right side of the roof is installed. DO NOT install roof boards on the left side of the roof. It is okay to install the roof starters on both sides of the roof and the roof peak.
- 2) DO NOT install panel slats on the left side of the playset (swing beam side) where the Skyloft ladder is shown on the cover of this manual. The panel slats for the left side wall of the playset are installed by using this 1542 manual. All other panel slats on the remaining walls will be installed using the main playset manual.
- 3) When assembling the swing beam note that mounting the swing beam to the swing beam legs will be different due to the extra Sub Bracket required by the 1542 Skyloft. See Steps 21-23 in this 1542 manual to fasten the swing beam legs to the swing beam and to level the swing beam assembly.

Once the 1542 Skyloft Add On kit has been completely installed go back and review the manual for the 1525 Treehouse Add on Kit if your playset came with that option. At that point you should be able to install the 1525 kit and go on to complete the playset.



## **\*\*\*IMPORTANT NOTICE FOR TREEHOUSE KIT PLAYSETS\*\*\***

Read all instructions thoroughly before beginning construction, this is very important. The “Treehouse Add On Kit” (1525) box will require you to deviate slightly from the standard kit instructions.

### **Typical deviations include:**

1) The Telescope that is usually on the front of the set on the Front face board (arched board) must be moved to another location on the set. Additional instructions to mount the Telescope are included in the play set Appendix or with the “Treehouse Add On Kit” manual. Mount the Telescope along the top of any of the railings that do not interfere with any areas that are activity openings.

### **2) DURING ROOF CONSTRUCTION:**

Both Roof Peak Support Triangles will be required to build the main roof. Then the Roof Peak Support Triangle is removed from the inside of the front Roof Supports on the front of the play set. It will be necessary to re-use the Roof Support Triangle to connect the roof supports from the Treehouse Kit to one another.

The Plastic Sunburst must be left off the front of the play set until after the “Treehouse Add On Kit” is installed onto the front of the play set.

3) Flag Kits which normally reside on the front of the front corner posts at the top should be relocated to the front slats of the “Treehouse Add On Kit”

### **Wood/Accessory and Hardware Lists:**

These lists for the “Treehouse Add On Kit” are in the Appendix at the end of your play set instruction manual or they are included with this sheet.

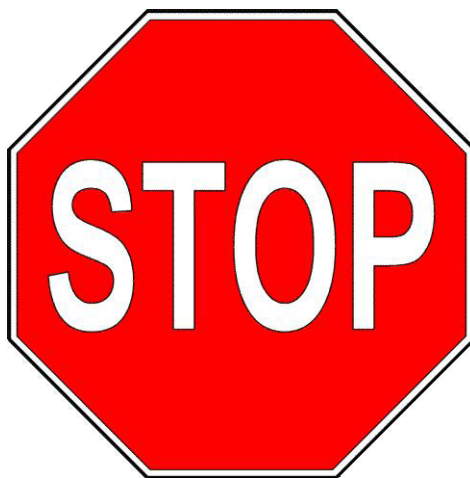
### **Steps to complete the “Treehouse Add On Kit”:**

The instruction steps for the “Treehouse Add On Kit” are in the Appendix at the end of your play set instruction manual or they are included with this sheet.

### **If you are adding the “Treehouse Add On Kit” to a playset that is already built:**

It will be necessary to remove the Flags and Plastic Sunburst from the front side of your playset wood roof. Then remove the 5/4 x 10” Roof Peak Support triangle from the inside of the front Roof Supports. Keep these pieces and hardware since most will be reused during the construction process.

Fill in the holes in the corner posts from the Flags with clear silicone (not included). If you wish to fill the holes with a fastener then use #8 x 1” countersunk head screws with silicone in each hole.



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

**[www.gorillaplaysets.com/customer-care](http://www.gorillaplaysets.com/customer-care)**

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

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

**[www.gorillaplaysets.com/assembly-manuals/](http://www.gorillaplaysets.com/assembly-manuals/)**

## GORILLA PLAYSETS WARRANTY – 2023

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Gorilla Playsets® (“Gorilla”) warrants its play sets to be free from defects in workmanship and materials, under normal use and conditions, for 10 years for above ground structural wood components and for one year for all other components (e.g., swings, hardware, plastics, tarps, rope ladder, etc.).

Gorilla warrants all remaining products, including but not limited to its, Malibu Playhouse, Free Standing Swing Set, Free Standing Tire Swing, See-Saw, Children’s Picnic Table with Umbrella, Play-Zee-Bo™, Cedar Toy Chest, Interlocking Sandbox and spring riders to be free from defects in workmanship and materials, under normal use and conditions, for a period of 1 year.

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

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

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

Gorilla will, at its discretion, replace any above ground part within the stated warranty period that is defective in workmanship or materials. This decision is subject to verification of the defect, which, at Gorilla’s discretion, may be accomplished by submitting photographs or by delivery of the defective part to Gorilla Playsets • 166 Etowah Industrial Ct. • Canton, GA 30114 • 1-800-882-0272 Monday to Friday 9AM-5PM EST. Any warranty claim must include proof of purchase, including the date of purchase. **In addition, within the first 30 days from the date of purchase, Gorilla will replace any parts discovered to be missing from or damaged in the original packaging.**

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

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

# IMPORTANT SAFETY GUIDELINES

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

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

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

## WEIGHT LIMITS FOR GORILLA PLAYSETS

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

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

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# PRODUCT REGISTRATION

## - WILDERNESS GYM TREEHOUSE WITH SKY LOFT (1500JWFSL) -

Gorilla Playsets™ manufactures the finest quality products that are designed for outstanding strength and durability. We back our products with unparalleled warranties. In the unlikely event that you need to contact us about covered repairs, we must have a valid Product Registration on file.

3 EASY WAYS TO REGISTER	
OPTION 1	Complete the online registration form at: <b><a href="https://www.gorillaplaysets.com/product-registration">https://www.gorillaplaysets.com/product-registration</a></b>
OPTION 2	Fax this completed form to: <b>(678) 880-3300</b>
OPTION 3	Mail this completed form to: <b>Gorilla Playsets 166 Etowah Industrial Court Canton, GA 30114</b>

### 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 ☐ 18-30 ☐ 41-50  
your age ☐ 31-40 ☐ 51+  
How old are ☐ 2-3 ☐ 6-7  
your children? ☐ 4-5 ☐ 8+  
Number of   
children

How would ☐ ★ ★ ★ ★ ★ Excellent  
you rate the ☐ ★ ★ ★ ★ Above Average  
quality of this ☐ ★ ★ ★ Average  
product? ☐ ★ ★ Below Average  
☐ ★ Poor

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

May we add you to our mailing list? ☐ Yes ☐ No

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

Comments: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## **IMPORTANT – PLEASE READ**

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

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

## **KEEPING YOUR PLAYSET LIKE NEW**

### **MUST DO's**

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

#### **WITHIN 60 DAYS**

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

#### **WITHIN 90 DAYS**

- Apply a **sealant** or **semi-transparent stain with sealant** within the first 90 days of owning the swing set. Our own Stain/sealant is available online here: <http://www.gorillaplaysets.com/Playground-Sealant-p/10-0003.htm>

Oil based stain or water based stain may be used. Should you choose to use other stain we suggest asking the product covering specialists at any number of specialty paint stores or home improvement centers for a product that would work best for your local environment. \*\* TIP – while the set is new, take a small board from the store with you so they can color match the tint of the stain or sealant.

### **SEASONAL REMINDERS**

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

### **OTHER TIPS**

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

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





# IMPORTANT DOCUMENTS

## CUSTOMER MUST READ AND RETAIN

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

<http://www.gorillaplaysets.com/safety-tips/>

<https://www.gorillaplaysets.com/suggested-maintenance>

<http://www.gorillaplaysets.com/assembly-manuals/>

(Click on your specific model)

<http://www.gorillaplaysets.com/warranty/>

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

### **WARNING:**

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

Gorilla Playsets  
166 Etowah Industrial Court  
Canton, GA. 30114



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# TABLE OF CONTENTS

Safety Guidelines.....	Pages 3-7
Leveling Fort, General Information and Definitions.....	Pages 7-9
How to Install T-nuts, Board Identification, Predrill Lag Screw Directions and Swing Beam Loading.....	Pages 10-14
Site Plan, Safety Zone, Required Tool List and Kit Contents.....	Pages 15-17
Hardware, Lumber and Accessory Checklists.....	Pages 18-42
Adding T-Nuts to Corner Posts.....	Step 1
Framing Fort.....	Steps 2-10
Mounting Deck.....	Step 10A
Rock Wall Assembly/Installation.....	Steps 11-15
Ladder Assembly/Installation.....	Steps 16-17
Center Post and Panel Slat Installation.....	Steps 18-19
Swing Beam Assembly.....	Steps 20-27
Roof Assembly.....	Steps 28-31
Hanging Swings and Safety Board.....	Steps 32-33
Picnic Table Assembly and Installation.....	Steps 34-36
Rope Ladder Assembly/Installation.....	Step 37
Tube Slide, Side Panel Slats.....	Steps 38-39A
Rock Wall Rope, Safety Handles and Telescope.....	Steps 40-42
Flag Kit, Sandbox Seats/Name Plate, Plastic Sunburst and Ground Stakes.....	Steps 43-46
Steering Wheel.....	Step 47
Part 2 Clatter Bridge Assembly.....	Steps 1-31
Leftover parts list.....	Page 137
Appendix: Chimney and Dormer, Clatter Bridge Mesh, Treehouse Kit Instructions, Sky Loft Instructions.....	Page 138

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

# Safety and Maintenance Tips for Your New Play Set:

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

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

**WARNING: Children must NOT use this play set until it has been completely assembled and inspected by an adult to insure it has been properly installed and the swing beam legs are anchored.**

# **Safety and Maintenance Tips for Your New Play Set:**

## **(continued)**

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

- Hardware that is loose, worn or that has protrusions or projections.
- Exposed equipment footings.
- Scattered debris, litter, rocks, or tree roots.
- Splinters, large cracks and decayed wood components.
- Deterioration and corrosion on structural components, which connect to the ground.
- Swing chains, rings, ropes, etcetera should always be fastened to a rotating swing hanger. NEVER attach a chain, ring, rope, etcetera to a stationary hanger such as but not limited to an eye bolt. Severe wear could occur leading to an injury.
- Missing or damaged equipment conditions, such as but not limited to handholds, guardrails or swing seats.

### **At the beginning of each play season:**

- Owners shall be responsible for maintaining the legibility of all warning labels. Replace as required.
- Tighten all hardware. (But not so tight that you crack the wood.)
- Oil all metallic moving parts.
- Check all protective coverings on bolts, pipes, edges and corners. Replace if they are loose, cracked or missing.
- Check all moving parts including swing seats, ropes, cables and chains for wear, rust, or other deterioration. Replace as needed. Replacement should be made of any swing seat that has developed cracks in the plastic seat.
- Check metal parts for rust. If found, sand and repaint using a nonlead-based paint meeting the requirements of 16 C.F.R. 1303. These requirements are available at: <http://www.cpsc.gov/>
- Check all wood members for deterioration and splinters. Sand down splinters and replace deteriorating wood members. Once or twice a year, depending on your climate conditions, you must apply some type of protection (sealant) to the wood or your play set. Please note this is a requirement of your warranty.
- Reinstall any plastic parts, such as swing seats or any other items that were removed for the cold season.
- Rake and check depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary.
- 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.

### **Twice a month during play season:**

- Tighten all hardware. (But not so tight that you crack the wood.)
- Check all protective coverings on bolts, pipes, edges and corners. Replace if they are loose, cracked or missing.
- Rake and check depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary.

### **Once a month during play season:**

- Oil all metallic moving parts.
- Check all moving parts including swing seats, ropes, cables and chains for wear, rust, or other deterioration. Replace as needed. Replacement should be made of any swing seat that has developed cracks in the plastic seat.

### **At the end of each play season or when the temperature drops below 32°F:**

- Remove plastic swing seats and take indoors or do not use.
- Rake and check depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary.

### **Disposal Instructions:**

When the playset is no longer desired or when it reaches the end of its lifetime it should be disassembled and disposed of in such a way that no unreasonable hazard will exist at the time the playset is discarded.

# PLAYGROUND SURFACING MATERIALS

## SECTION 4 OF THE CONSUMER PRODUCT SAFETY COMMISSION'S OUTDOOR HOME PLAYGROUND SAFETY HANDBOOK<sup>9</sup>

### Select Protective Surfacing

One of the most important things you can do to reduce the likelihood of serious head injuries is to install shock-absorbing protective surfacing under and around your play equipment. The protective surfacing should be applied to a depth that is suitable for the equipment height in accordance with ASTM Specification F 1292. There are different types of surfacing to choose from; whichever product you select, follow these guidelines:

**NOTE:** Do not install home playground equipment over concrete, asphalt, or any other hard surface. A fall onto a hard surface can result in serious injury to the equipment user. Grass and dirt are not considered protective surfacing because wear and environmental factors can reduce their shock absorbing effectiveness. Carpeting and thin mats are generally not adequate protective surfacing. Ground level equipment – such as a sandbox, activity wall, playhouse or other equipment that has no elevated play surface – does not need any protective surfacing.

### Loose-Fill Materials:

- ❑ Maintain a minimum depth of 9 inches of loose-fill materials such as wood mulch/chips, engineered wood fiber (EWF), or shredded/recycled rubber mulch for equipment up to 8 feet high; and 9 inches of sand or pea gravel for equipment up to 5 feet high. NOTE: An initial fill level of 12 inches will compress to about a 9-inch depth of surfacing over time. The surfacing will also compact, displace, and settle, and should be periodically refilled to maintain at least a 9-inch depth.
- ❑ Use a minimum of 6 inches of protective surfacing for play equipment less than 4 feet in height. If maintained properly, this should be adequate. (At depths less than 6 inches, the protective material is too easily displaced or compacted.)
- ❑ Use containment, such as digging out around the perimeter and/or lining the perimeter with landscape edging. Don't forget to account for water drainage. U.S. Consumer Product Safety Commission, Washington, D.C., 20207 or call the toll-free hotline :1-800-638-2772
- ❑ Check and maintain the depth of the loose-fill surfacing material. To maintain the right amount of loose-fill materials, mark the correct level on play equipment support posts. That way you can easily see when to replenish and/or redistribute the surfacing.
- ❑ **Do not** install loose fill surfacing over hard surfaces such as concrete or asphalt.

### Poured-In-Place Surfaces or Pre-Manufactured Rubber Tiles:

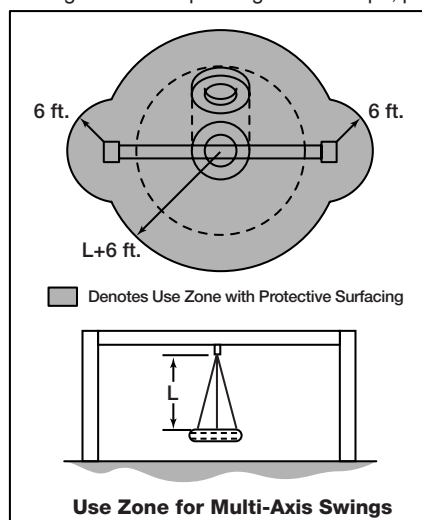
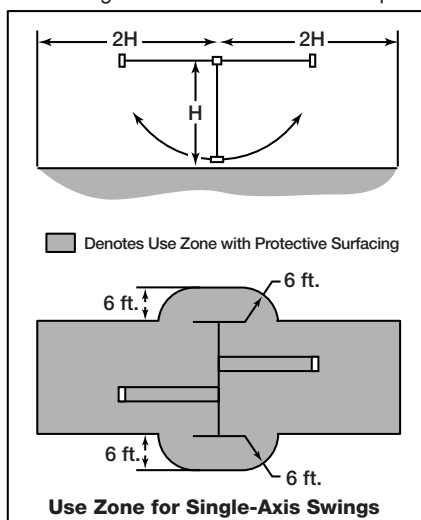
You may be interested in using surfacing other than loose-fill materials – like rubber tiles or poured-in-place surfaces.

- ❑ Installations of these surfaces generally require a professional and are not "do-it-yourself" projects.
- ❑ Review surface specifications before purchasing this type of surfacing. Ask the installer/manufacture for a report showing that the product has been tested to the following safety standard: ASTM F 1292 Standard Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment. This report should show the specific height for which the surface is intended to protect against serious head injury. This height should be equal to or greater than the fall height – vertical distance between a designated play surface (elevated surface for standing, sitting, or climbing) and the protective surfacing below – of your play equipment.
- ❑ Check the protective surfacing frequently for wear.

### Placement

Proper placement and maintenance of protective surfacing is essential. Be sure to

- ❑ Extend surfacing at least 6 feet from the equipment in all directions.
- ❑ For to-fro swings, extend protective surfacing in front of and behind the swing to a distance equal to twice the height of the top bar from which the swing is suspended.
- ❑ For tire swings, extend surfacing in a circle whose radius is equal to the height of the suspending chain or rope, plus 6 feet in all directions.



<sup>9</sup> This information has been extracted from the CPSC publications "Playground Surfacing—Technical Information Guide" and "Handbook for Public Playground Safety." Copies of these reports can be obtained by sending a postcard to the: Office of Public Affairs, U.S. Consumer Product Safety Commission, Washington, D.C., 20207 or call the toll-free hotline: 1-800-638-2772



# Play Set Surfacing Recommendations:

Below are some of the recommendations that the U.S. Consumer Product Safety Commission (CPSC) offers from its Handbook for Public Playground Safety. The guide can be downloaded in full at [www.cpsc.gov/PageFiles/122149/325.pdf](http://www.cpsc.gov/PageFiles/122149/325.pdf)

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

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

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

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

## Fall Heights and Materials

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

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

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



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

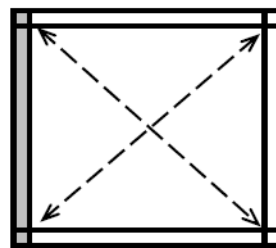
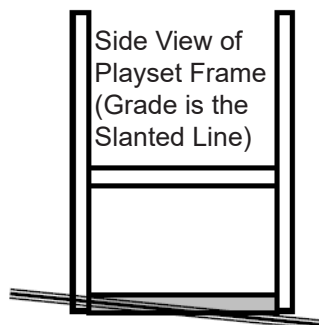
Swings should have a fall zone extending a minimum of 6' from the outer edge of the support structure on each side. The fall zone in front and back of the swing should extend out a minimum distance of twice the height of the swing as measured from the ground to the top of the swing support structure.

## LEVELING YOUR FORT DURING ASSEMBLY

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

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

*Example Play area:*



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

■ = Area to be scored and channeled for levelness

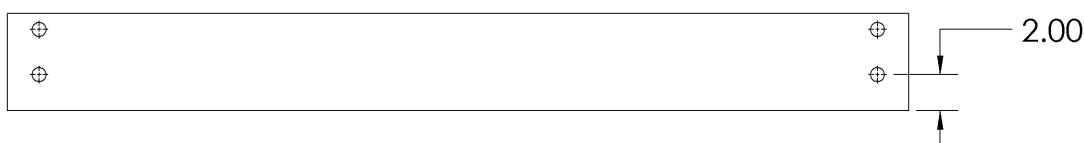
# General Info to Review Before Installation

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

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

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

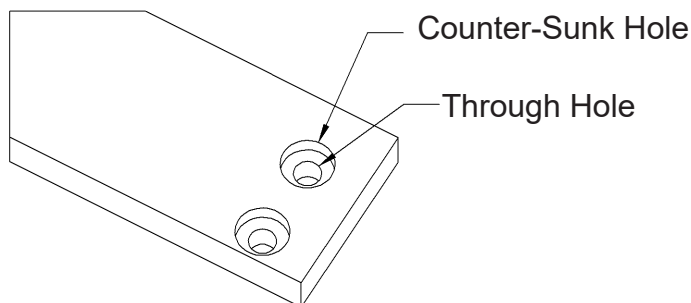
#### **EXAMPLE OF OFFSET HOLES UP**



#### **EXAMPLE OF OFFSET HOLES DOWN**



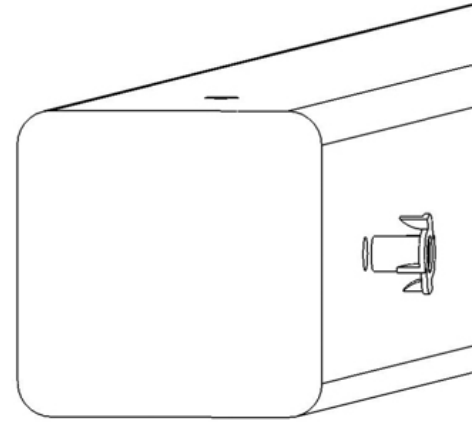
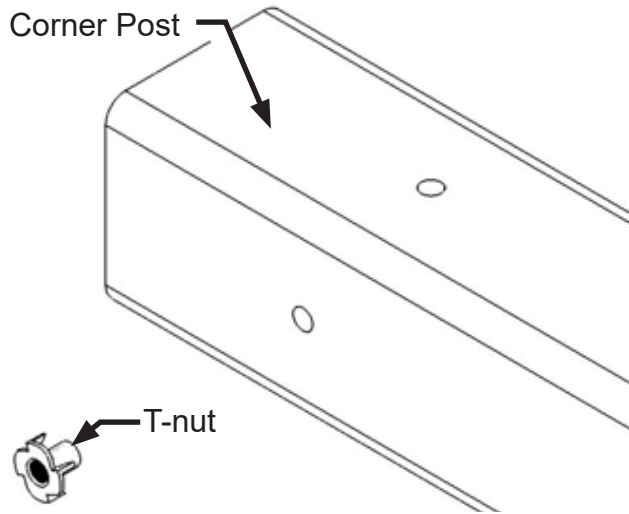
**Counter-sunk holes** - Many of the parts that will be used have counter-sunk holes. A counter-sunk hole is one that surrounds one side of a through hole, but does not extend through the wood it's self. When using a counter-sunk hole the bolt will be inserted through the through hole and either the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



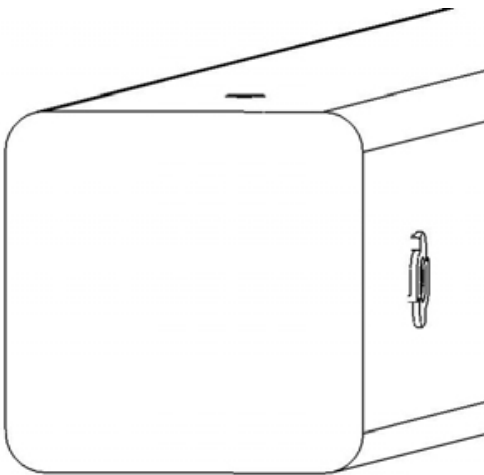
**Lag Screws-** Lag screws are used in the construction of our play sets to enhance the structural integrity of the unit. There will not be predrilled holes in the post for lag screw installation. Lag screws are self-tapping, though if you are using a manual socket wrench it may be advantageous to pre-drill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

## Common Installation Practice Installing T-nuts

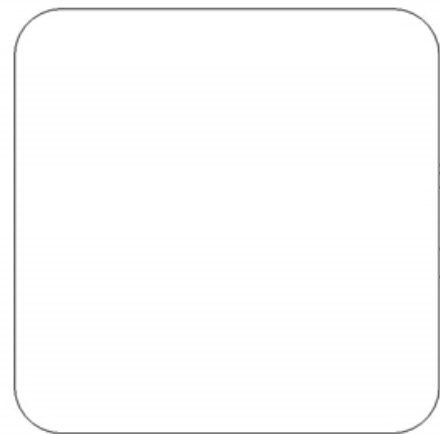
When installing T-nuts into the wood, use a smooth faced hammer to set the face of the T-nut flush into the wood.



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

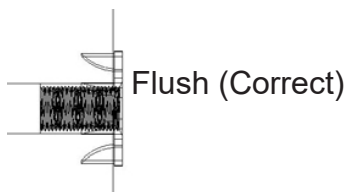


This picture shows the T-nut inserted and installed flush to the wood.



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

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



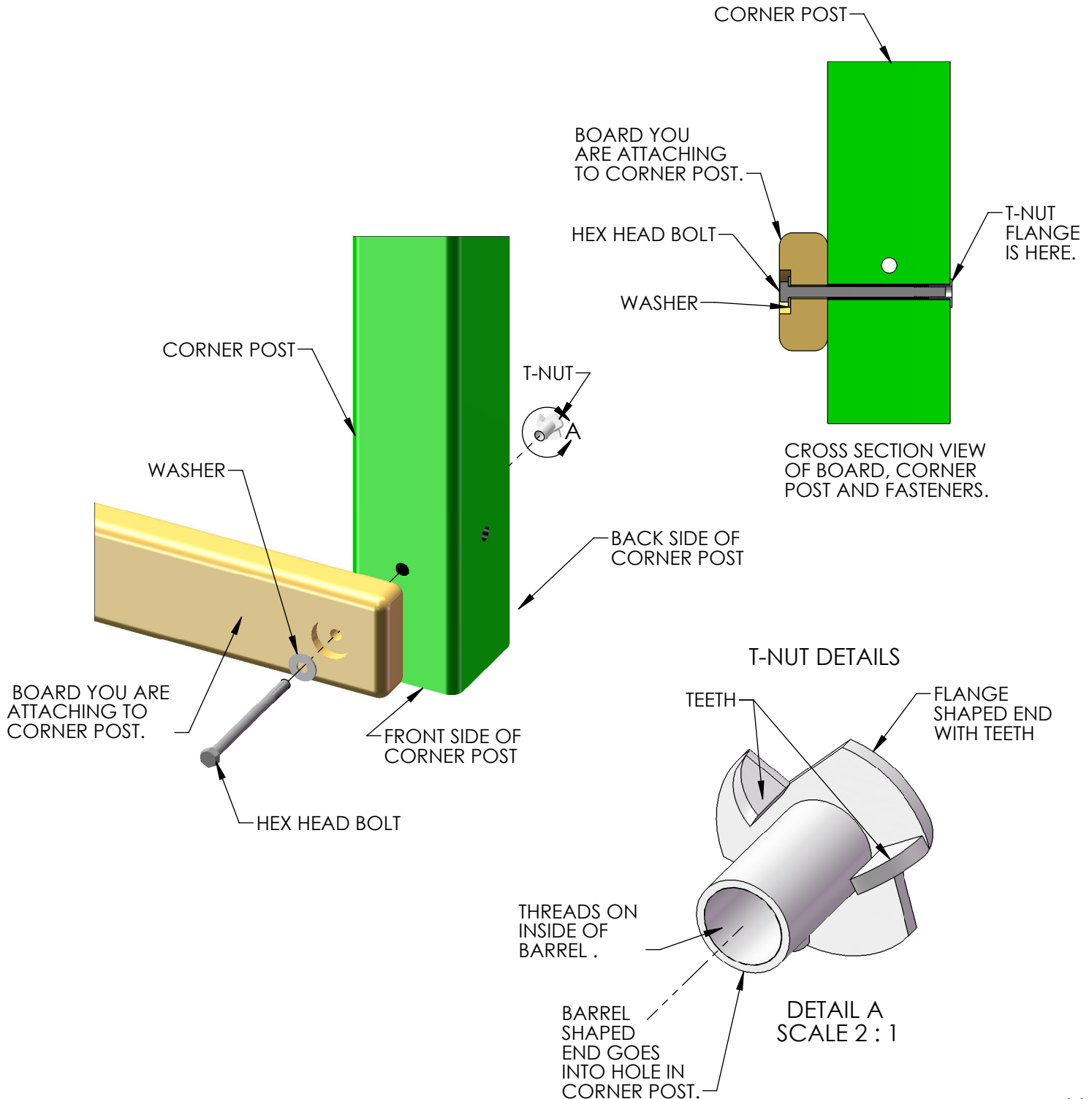
Cross Section end view, you are looking at an X-ray view of the post and T-nut. The barrel of the T-nut is in the corner post the line is the face of the wood.

# HOW A T-NUT WORKS

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

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

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

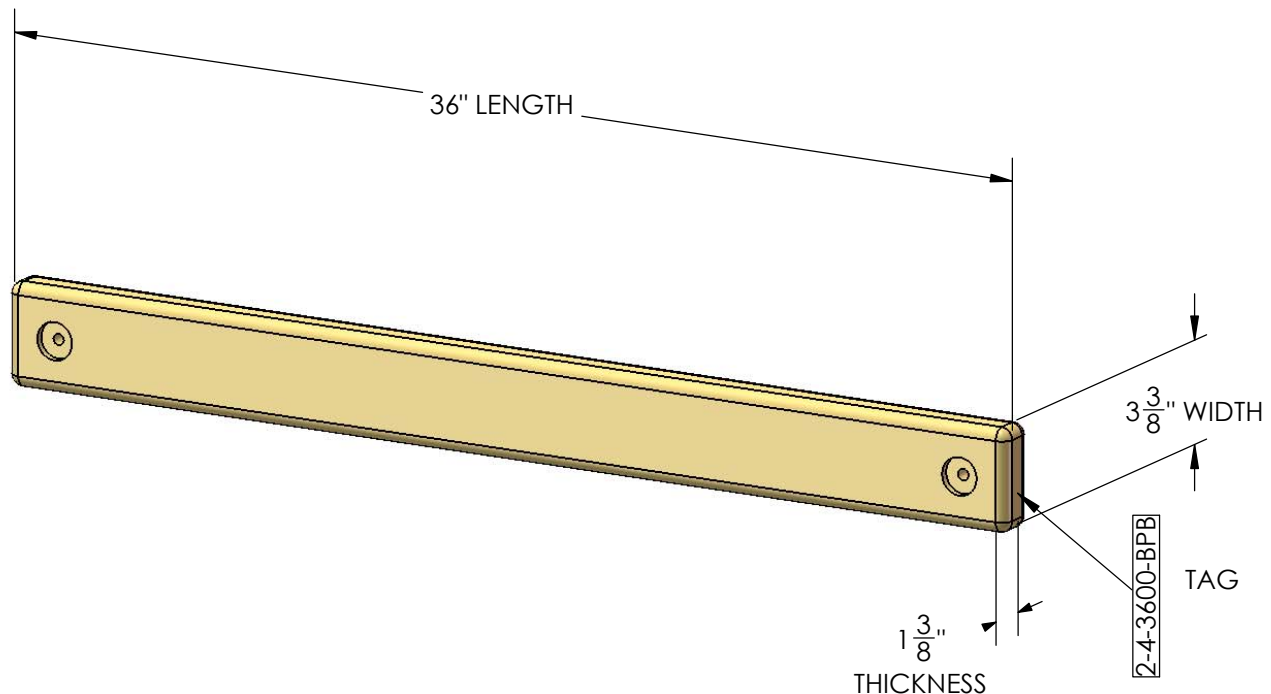


# BOARD IDENTIFICATION

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

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

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



# PRE-DRILL LAG SCREW DIRECTIONS

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

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

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

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

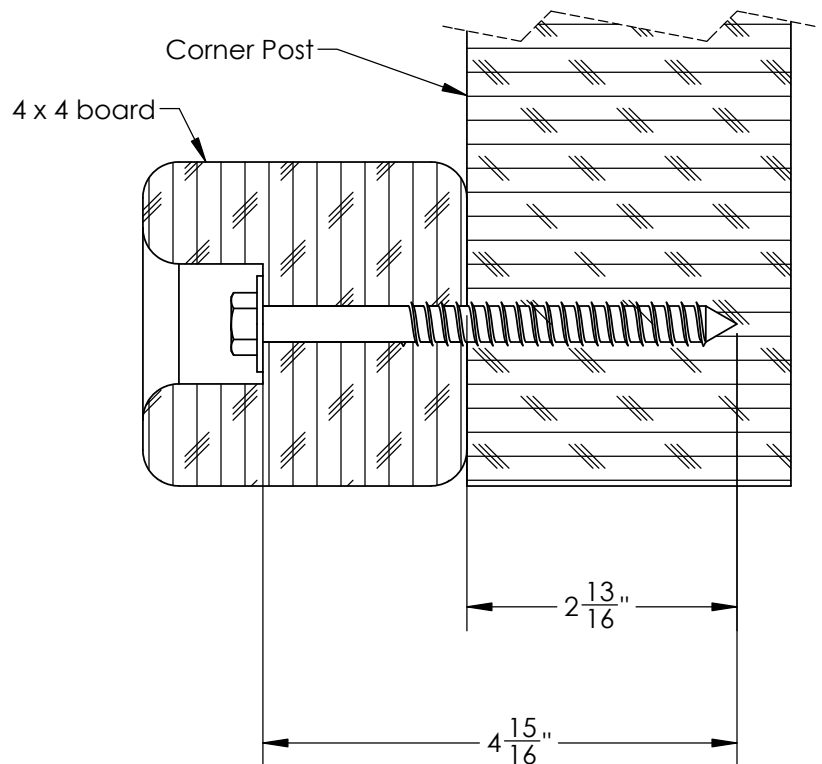
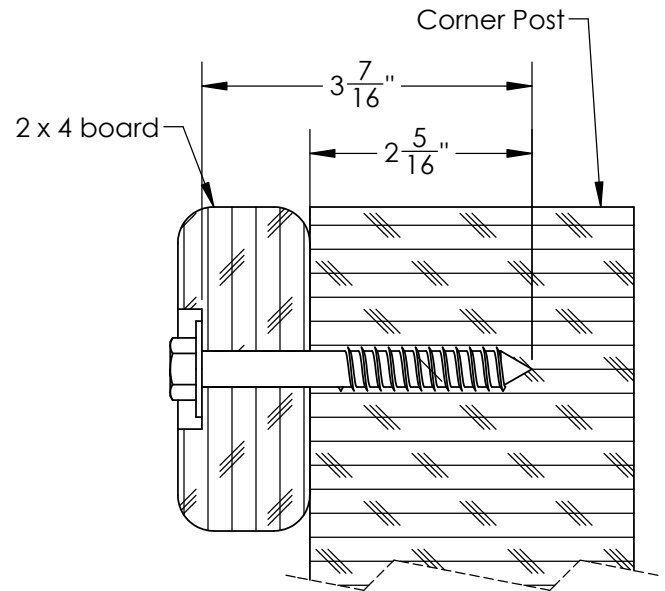
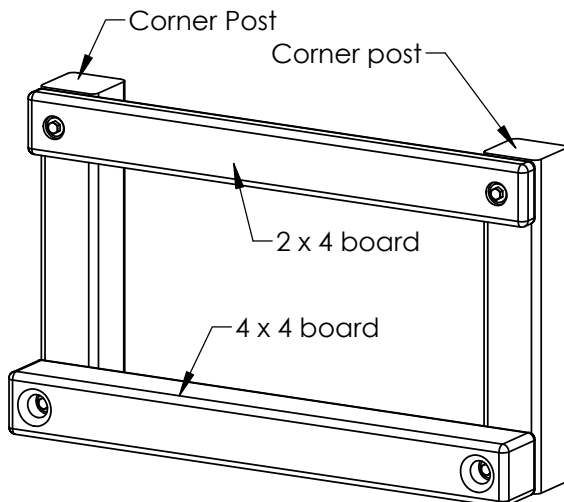
This would be like the 2 x 4 board installation shown below. Place the board into position. Spot Drill through the holes in the 2 x 4 board into the corner posts with an 11/64" drill bit. Remove the 2 x 4 board. Continue to drill the holes to a total depth of 2-5/16" as shown at the right. Install the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

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

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

## Example 3/8" diameter x 5" lag screw

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





# SWING BEAM LOADING

## Weight Limits for Accessories:

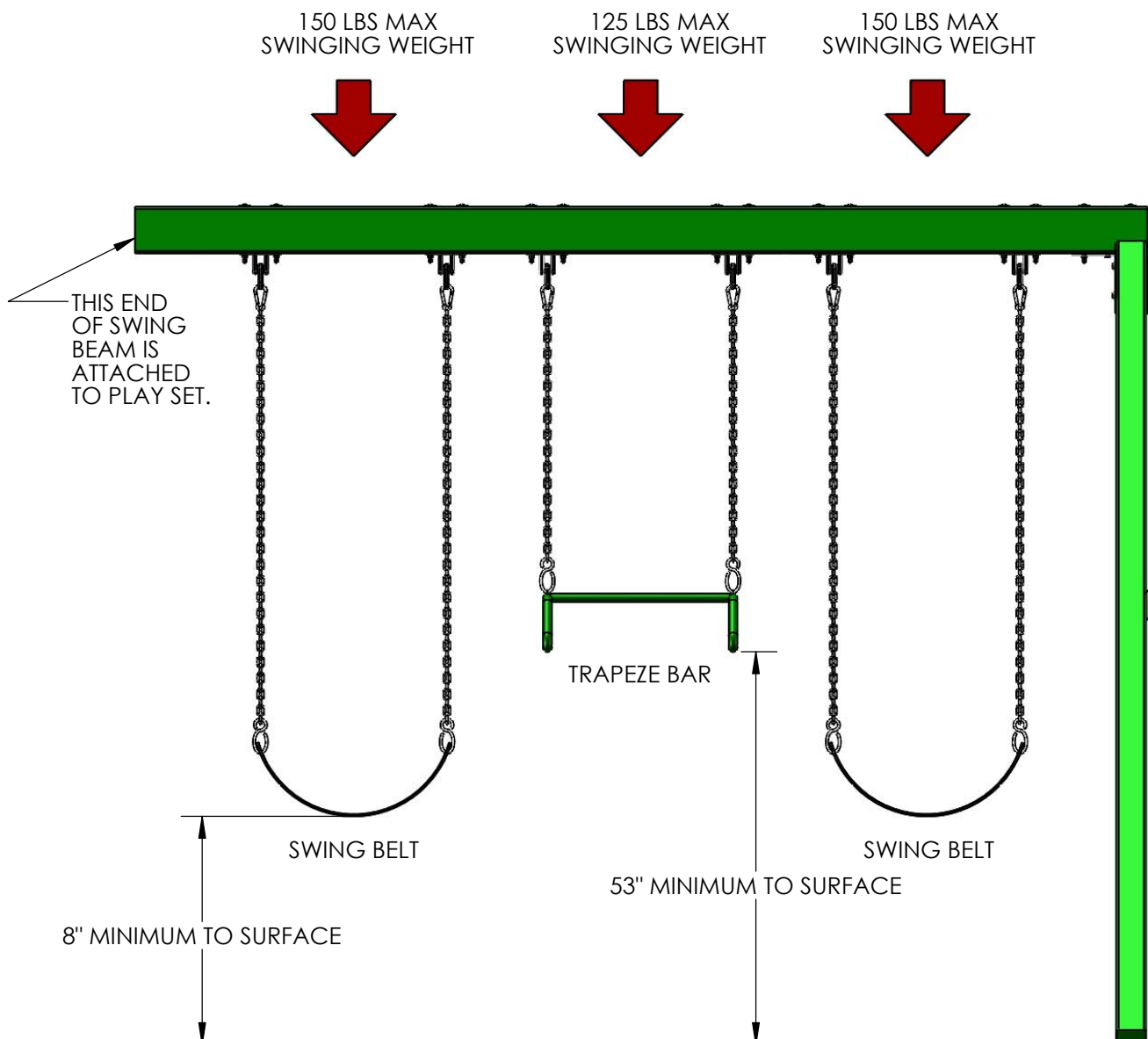
The weight limit for a Swing Belt is 225 lbs. (Although 150lbs is the maximum recommended swinging weight capacity for the swing position.)

The weight limit for a Trapeze Bar is 125 lbs.

## Maximum Allowable swinging weight for a three position swing:

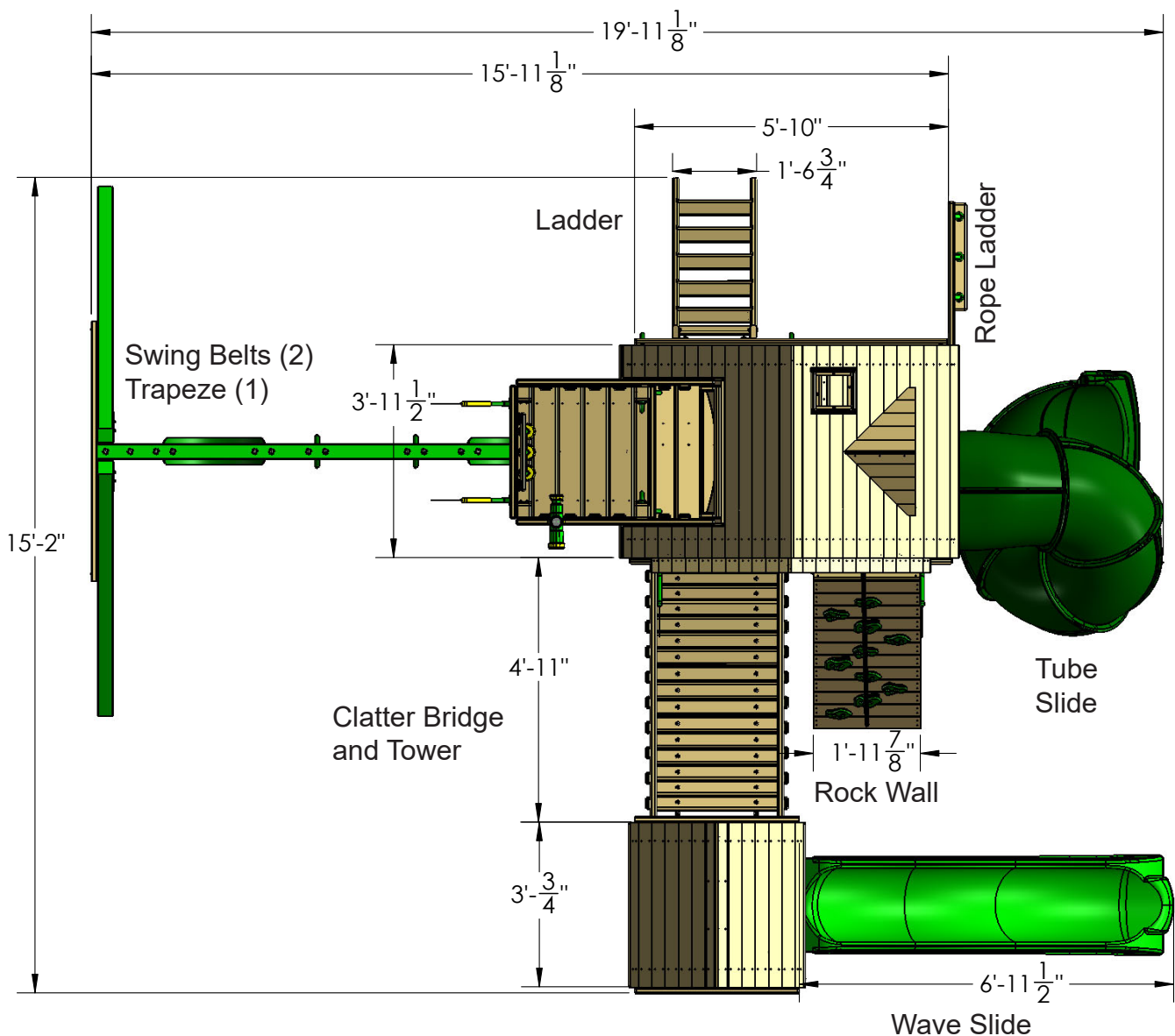
- 1) The maximum allowable swinging weight at each Swing Belt position is 150 lbs.
- 2) The maximum allowable swinging weight at the Trapeze position is 125 lbs.
- 3) The MAXIMUM SWING BEAM LOAD IS 425 lbs.

**MAXIMUM SWING BEAM LOAD IS 425 LBS.**



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

### SITE PLAN:



Playset height: 11'-2"

Fall height: 7'-2" main deck. See Sky Loft directions in Appendix for Sky Loft fall height.

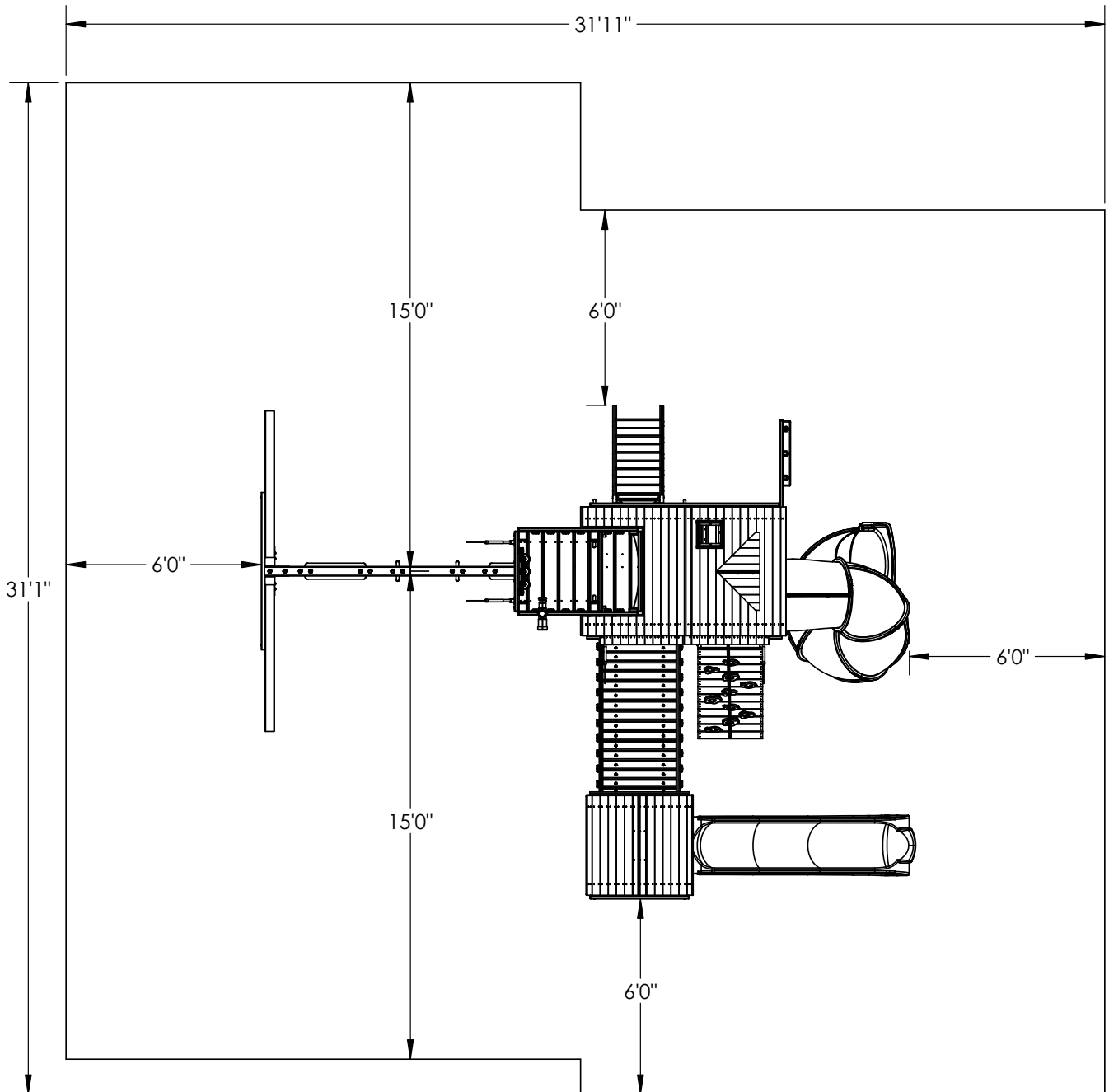
Swing Beam height: 7'-7-1/2"

Deck Height: 5'

Approximate assembly time: 16-20 hours

**(6) foot unobstructed safety perimeter around playset recommended**

# SAFETY ZONE



**(6) foot unobstructed safety perimeter around playset recommended**

## **REQUIRED TOOL LIST:**

- \_\_\_ Standard or Cordless Drill w/ Phillips Bit (#2 square bit provided)
- \_\_\_ Drill Bits 1/8", 3/8", 7/64", 9/64", 11/64" and a 1" Paddle style bit
- \_\_\_ 1/2" Wrench and Socket
- \_\_\_ 1/2" Deep Well Socket
- \_\_\_ 9/16" Deep Well Socket
- \_\_\_ 9/16" Wrench and Socket
- \_\_\_ Level
- \_\_\_ Tape Measure
- \_\_\_ Extension Cord (if using standard drill)
- \_\_\_ Hammer
- \_\_\_ Pencil
- \_\_\_ Locking Pliers (Vise Grips)
- \_\_\_ Shovel
- \_\_\_ Marker or Tape (See Step 37)

## **KIT CONTENTS:**

### **Swings, Slides, Accessories:**

- \_\_\_ (Qty ) Description
- \_\_\_ (2) Swingbelts w/ Chains
- \_\_\_ (1) Trapeze Swing
- \_\_\_ (1) Wave Slide
- \_\_\_ (10) Rock Wall Grips (assorted colors)
- \_\_\_ (1) Telescope
- \_\_\_ (1) Safety Handles (pair)
- \_\_\_ (2) Flag Kit
- \_\_\_ (2) Plastic Sunburst 07-0028-G
- \_\_\_ (1) Logo Plate
- \_\_\_ (1) Ground Stakes (pair)
- \_\_\_ (1) Tic Tac Toe
- \_\_\_ (1) Steering Wheel
- \_\_\_ (1) Quick Connect Turbo Slide
- \_\_\_ (4) Plastic Dormer Sunburst 07-0031
- \_\_\_ (1) Clatter Bridge Mesh (pair)
- \_\_\_ (2) Windows with Shutters

### **Fort Hardware:**

*see following pages*

### **Swing Beam Hardware:**

*see following pages*

### **Wood Components:**

*see following pages*



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

#8 X 1"  
WOOD SCREW  
QTY: 2



#8 X 1-3/4"  
WOOD SCREW  
QTY: 4



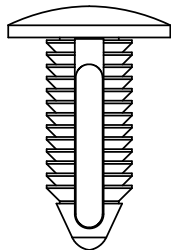
#8 X 2"  
WOOD SCREW  
QTY: 189



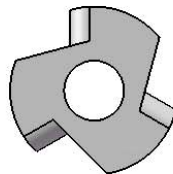
#8 X 2-1/2"  
WOOD SCREW  
QTY: 52



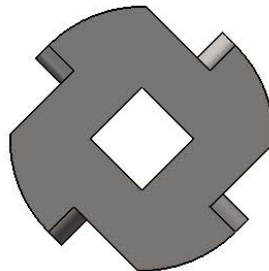
#8 X 3"  
WOOD SCREW  
QTY: 20



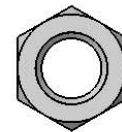
3/8"  $\phi$  X 1-1/8"  
BLACK PLASTIC  
PLUG  
QTY: 6



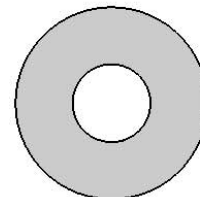
5/16" TEE NUT  
QTY: 22



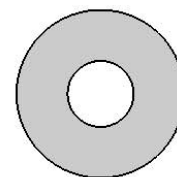
TORQUE WASHER  
QTY: 17



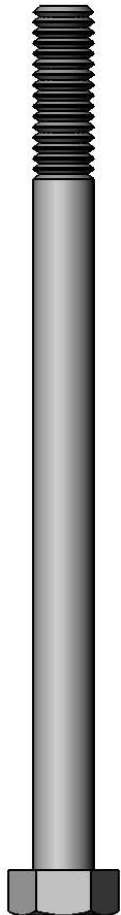
3/8" LOCK NUT  
QTY: 19



3/8" WASHER  
QTY: 31



5/16" WASHER  
QTY: 34



5/16 X 4-1/2"  
HEX BOLT  
QTY: 14



5/16 X 1-1/2"  
HEX BOLT  
QTY: 8

9

8

7

6

5

4

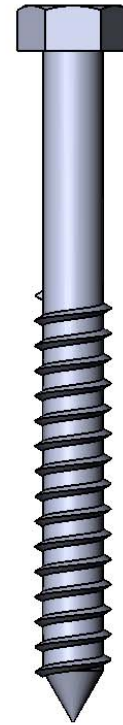
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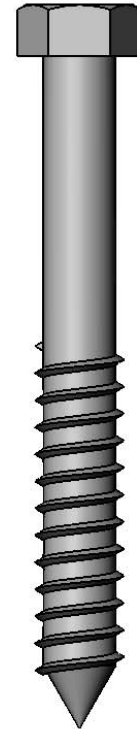
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1501 HARDWARE  
PAGE: 2 OF 2  
REV A: 9/10/2014 JH

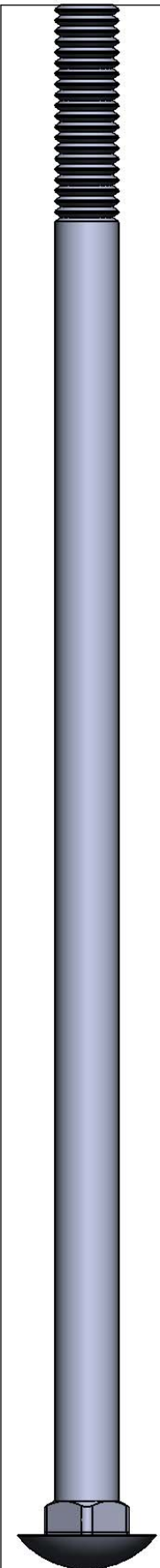
5/16" X 3-1/2"  
HEX LAG  
SCREW  
QTY: 12



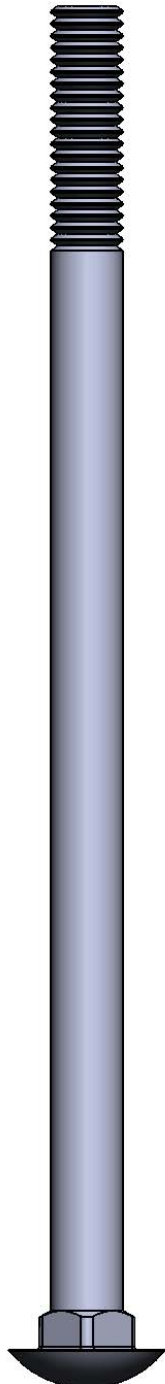
3/8 X 3-1/2"  
HEX LAG SCREW  
QTY: 12



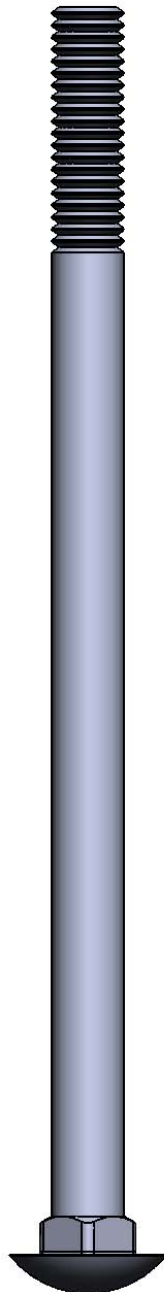
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8  
7  
6  
5  
4  
3  
2  
1



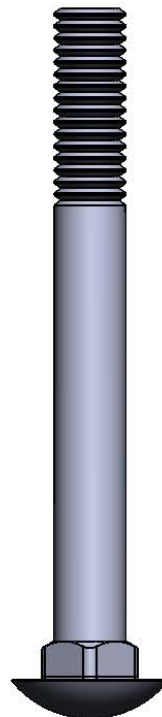
3/8 x 9"  
CARRIAGE BOLT  
QTY: 1



3/8 x 7"  
CARRIAGE BOLT  
QTY: 14



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



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



#2 SQUARE  
DRIVE BIT  
QTY: 1



PLASTIC  
BOLT CAP  
QTY: 19

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.

#8 X 1-1/4"  
WOOD SCREW  
QTY: 6



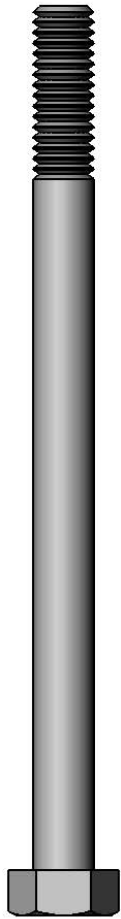
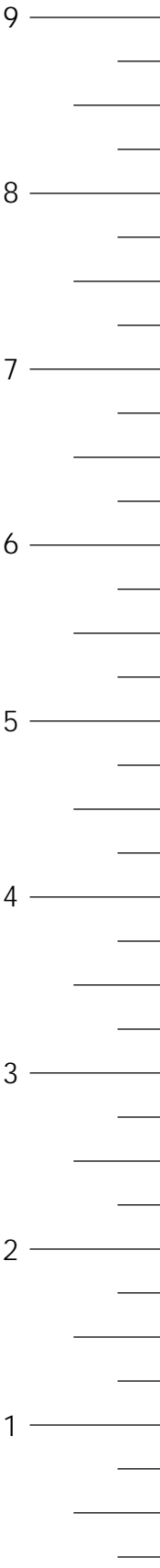
#8 X 1-1/2"  
WOOD SCREW  
QTY: 104



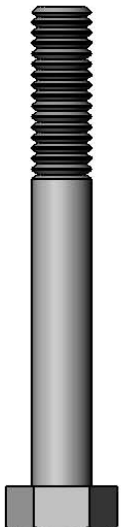
#8 X 2"  
WOOD SCREW  
QTY: 30



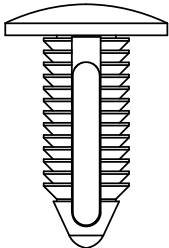
#8 X 2-1/2"  
WOOD SCREW  
QTY: 8



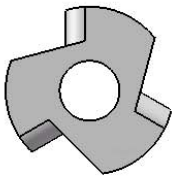
5/16 X 4-1/2"  
HEX BOLT  
QTY: 4



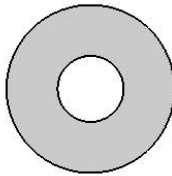
5/16 X 2-1/2"  
HEX BOLT  
QTY: 2



3/8"  $\phi$  X 1-1/8"  
BLACK PLASTIC  
PLUG  
QTY: 4



5/16" TEE NUT  
QTY: 6



5/16" WASHER  
QTY: 6

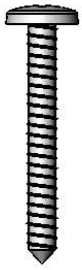


11-0071

1509N HARDWARE

PAGE: 1 OF 1

REV A: 9/19/2014 JH



#14 x 1-1/4"  
PAN HEAD SCREW  
QTY: 6

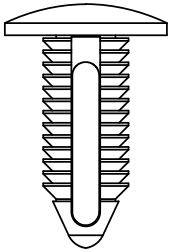
#8 X 2"  
WOOD SCREW  
QTY: 94



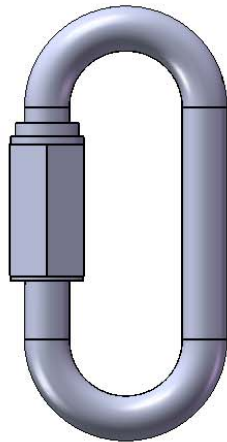
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WOOD SCREW  
QTY: 18



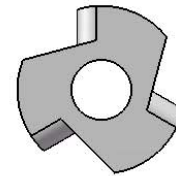
#8 X 3"  
WOOD SCREW  
QTY: 5



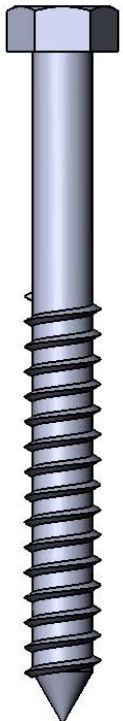
3/8"  $\phi$  X 1-1/8"  
BLACK PLASTIC  
PLUG  
QTY: 4



QUICK LINK  
QTY: 2



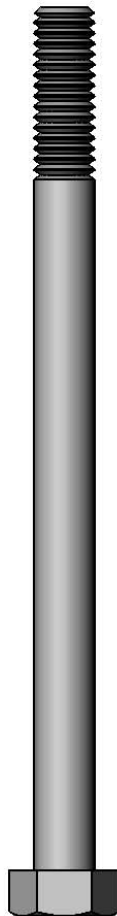
5/16" TEE NUT  
QTY: 55



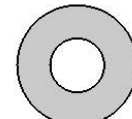
5/16" X 3-1/2"  
HEX LAG  
SCREW  
QTY: 26



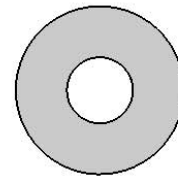
5/16 X 1-3/4"  
HEX BOLT  
QTY: 30



5/16 X 4-1/2"  
HEX BOLT  
QTY: 25



1/4" WASHER  
QTY: 6



5/16" WASHER  
QTY: 111

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4

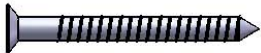
3

2

1

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

#8 X 1-1/4"  
WOOD SCREW  
QTY: 8



#8 X 1-1/2"  
WOOD SCREW  
QTY: 60

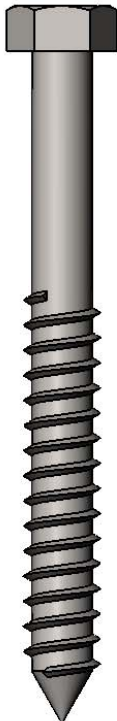


#8 X 2"  
WOOD SCREW  
QTY: 8

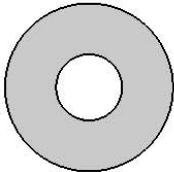


1509W HARDWARE  
PAGE 1 OF 1  
9/11/2014 JH

5/16" x 3-1/2"  
HEX LAG  
SCREW  
QTY: 4



5/16" WASHER  
QTY: 4



9  
8  
7  
6  
5  
4  
3  
2  
1

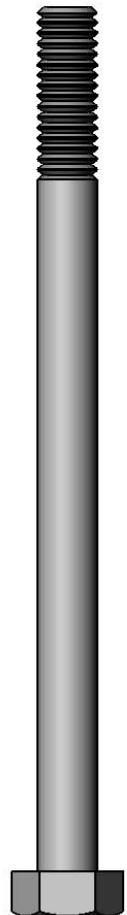
#8 X 2"  
WOOD SCREW  
QTY: 35



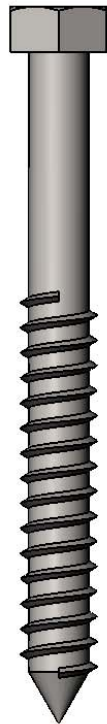
#8 X 2-1/2"  
WOOD SCREW  
QTY: 6



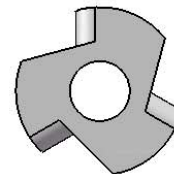
#8 X 3"  
WOOD SCREW  
QTY: 3



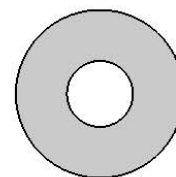
5/16 X 4-1/2"  
HEX BOLT  
QTY: 10



5/16" X 3-1/2"  
LAG SCREW  
QTY: 18



5/16" TEE NUT  
QTY: 10



5/16" WASHER  
QTY: 28

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1

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

11-0126  
1512A Hardware Kit  
5/19/2023 JH

#8 X 2"  
WOOD SCREW  
QTY: 4



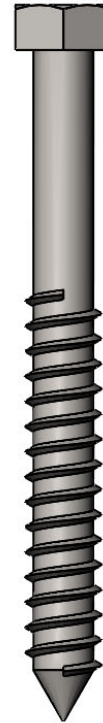
1342Z

#8 X 2-1/2"  
WOOD SCREW  
QTY: 25



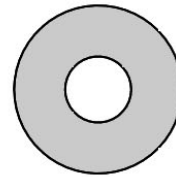
1327Z

5/16" X 3-1/2"  
HEX LAG SCREW  
QTY: 10



1741Z

1336Z



5/16" WASHER  
QTY: 10

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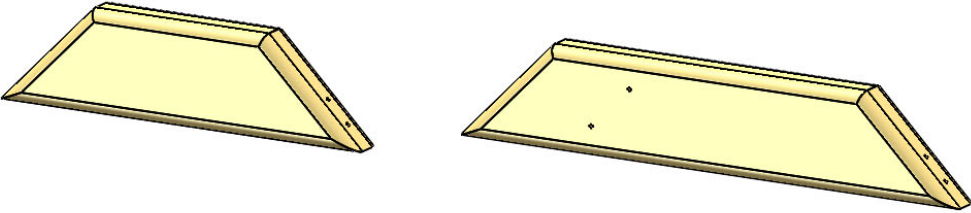
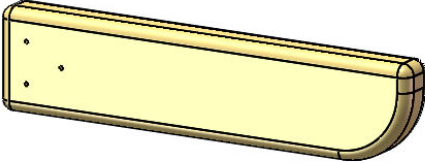
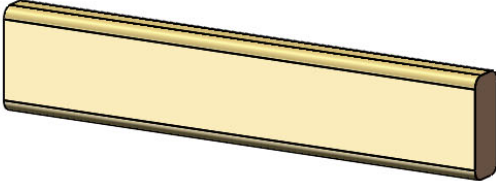
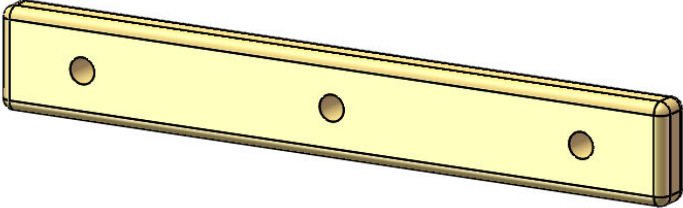
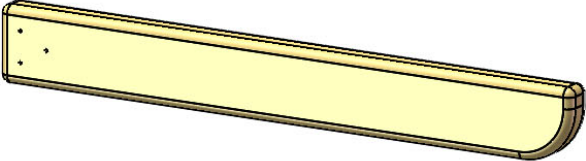
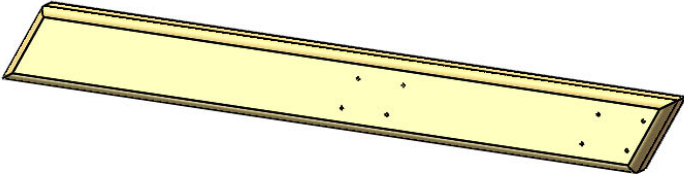
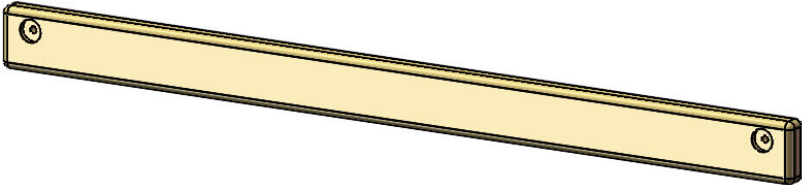
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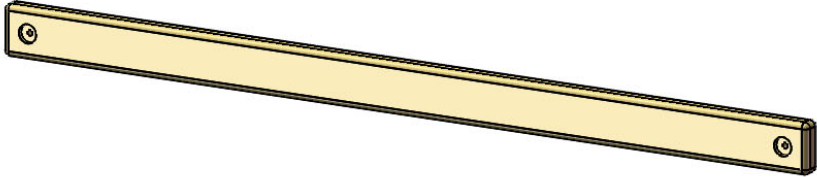
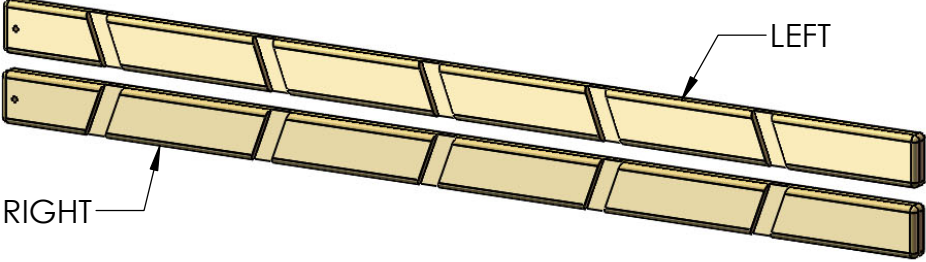
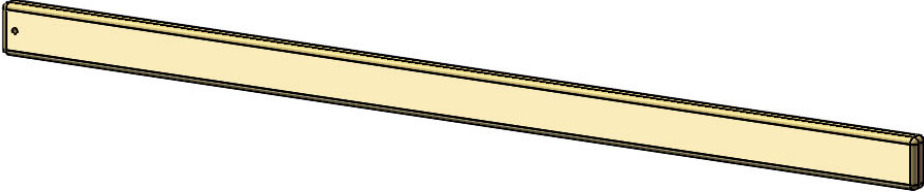
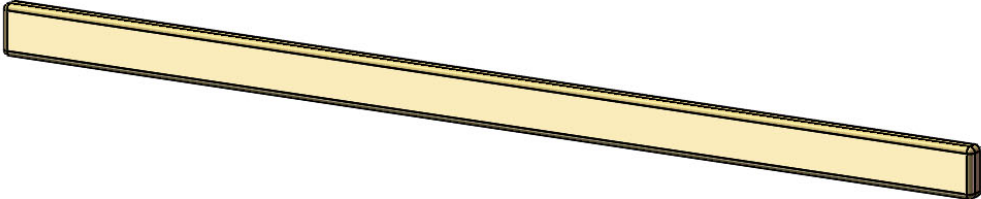
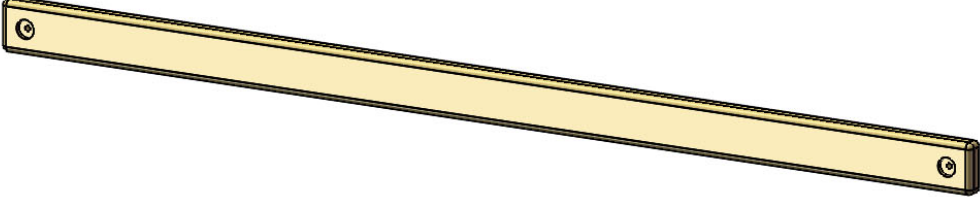
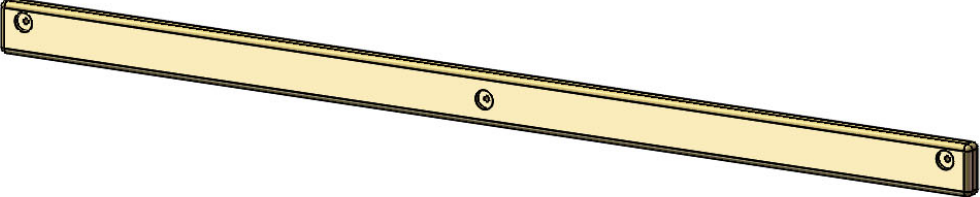
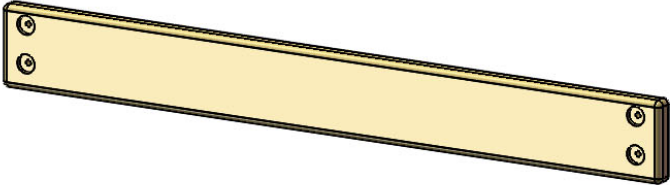
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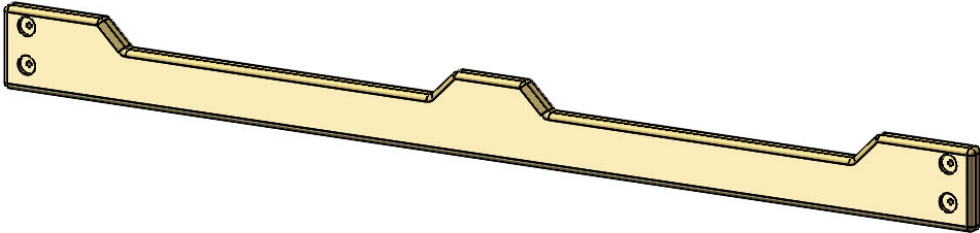
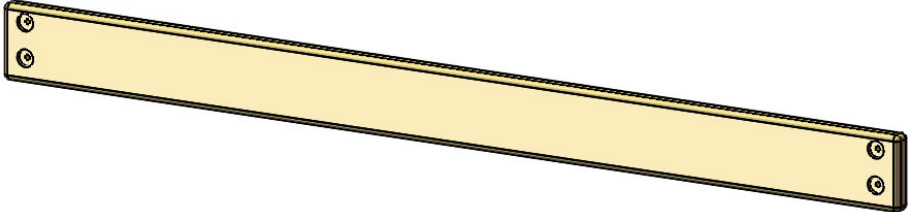
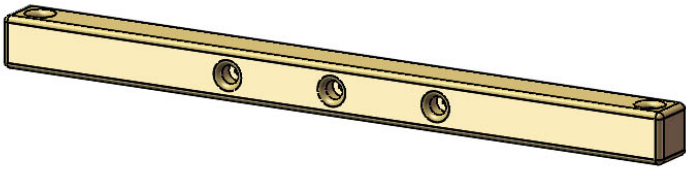
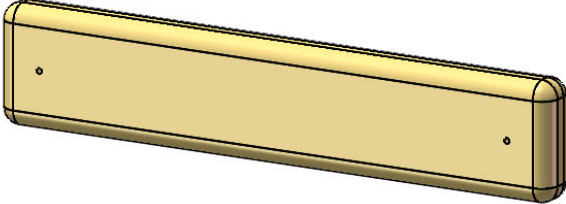
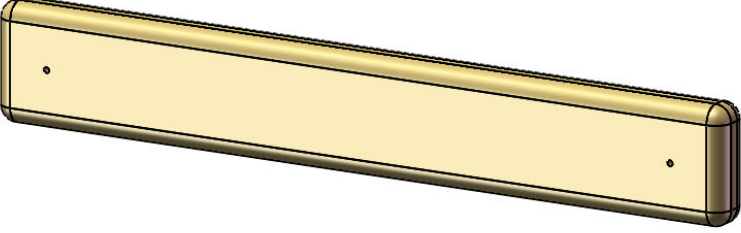
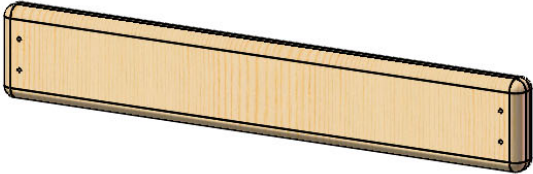
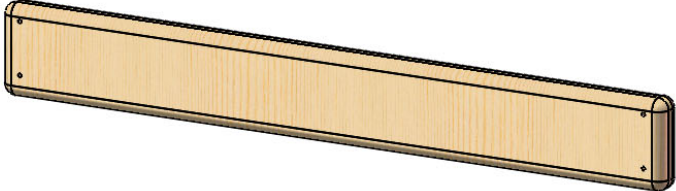
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1

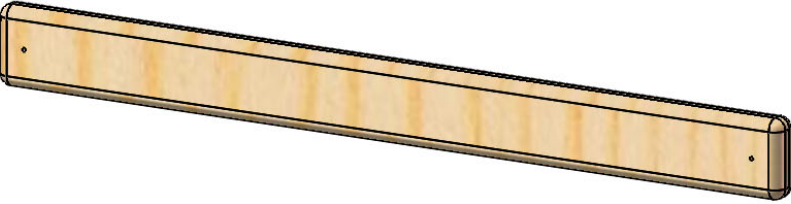
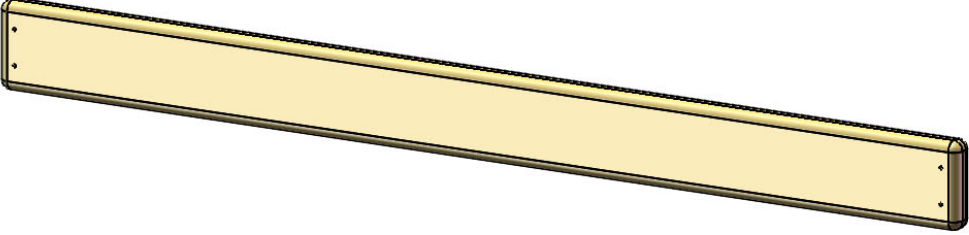
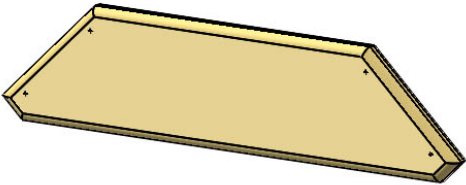

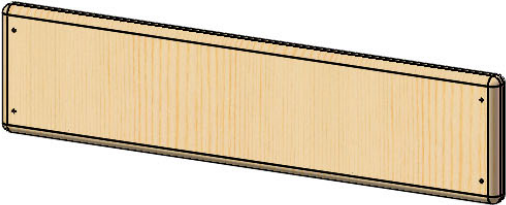
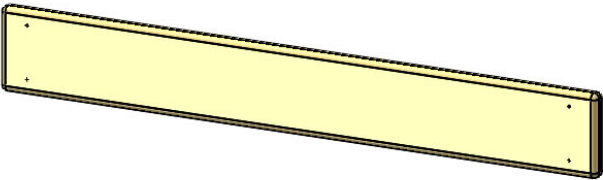
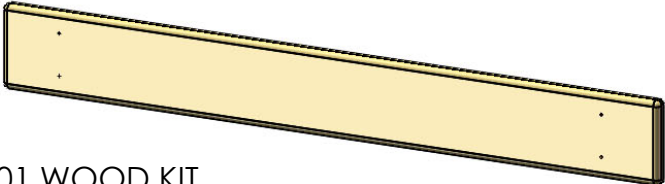
USE THE RULER TO THE RIGHT TO MEASURE YOUR BOLTS AND SCREWS. PICTURE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH BOLT AND SCREW SIZES.

PICTURE	DESCRIPTION	QTY.
<p>1501 WOOD BOX</p> 	<p>2 X 4 X 13" ANGLE SUPPORT <b>2-4-1300-AS</b></p> <p>2 X 4 X 18" ANGLE SUPPORT <b>2-4-1800-AS</b></p>	<p>4</p> <p>4</p>
	<p>2 X 4 X 14-3/4" PICNIC TABLE TOP SUPPORT <b>2-4-1475-PTTS</b></p>	<p>2</p>
	<p>2 X 4 X 17" LADDER STEP <b>2-4-1700-LS</b></p>	<p>5</p>
	<p>2 X 4 X 24" ROPE LADDER STEP <b>2-4-2400-RLST</b></p>	<p>6</p>
	<p>2 X 4 X 27-1/2" PICNIC TABLE SEAT SUPPORT <b>2-4-2750-PTSS</b></p>	<p>2</p>
	<p>2 X 4 X 32-1/2" PICNIC TABLE LEG <b>2-4-3250-PTL</b></p>	<p>2</p>
	<p>2 X 4 X 47<sup>1</sup>/<sub>2</sub>" END PANEL/ SAFETY BOARD (2 HOLES OFFSET) <b>2-4-4750-SBEP</b></p>	<p>2</p>


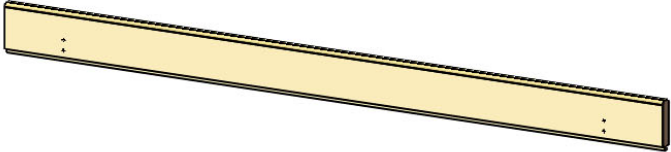

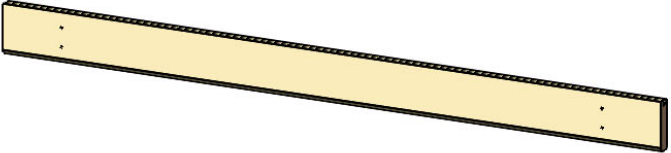

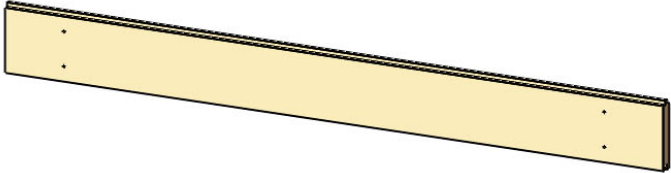
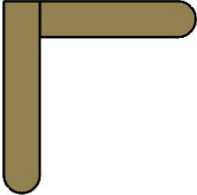
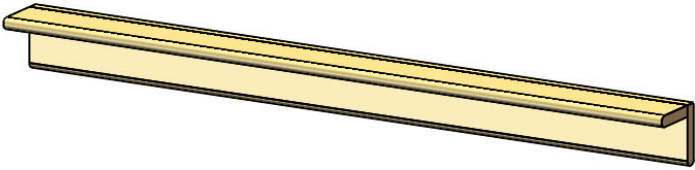
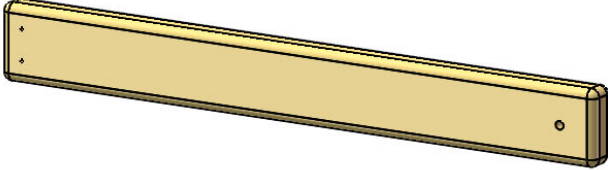
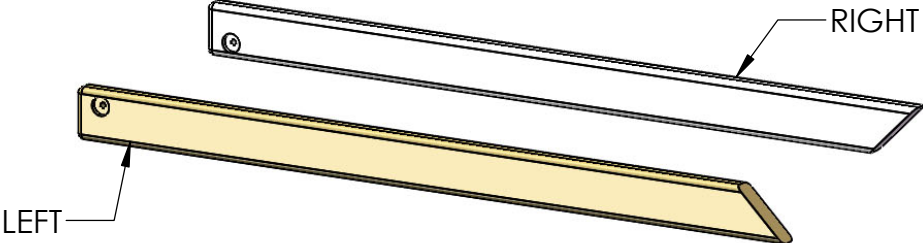
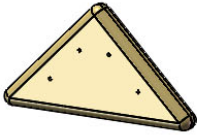
PICTURE	DESCRIPTION	QTY.
	2 X 4 X 58" SWING BEAM CROSS MEMBER (2 HOLES ON CENTER) <b>2-4-5800-CM</b>	1
	2 X 4 X 66" LADDER SIDE <b>2-4-6600-LLS</b> <b>2-4-6600-LRS</b>	1 LEFT 1 RIGHT
	2 X 4 X 66" ROCK WALL SIDE (1 HOLE ON CENTER) <b>2-4-6600-RWS</b>	2
	2 X 4 X 70" CENTER DECK SUPPORT <b>2-4-7000-CDS</b>	1
	2 X 4 X 70" DECK SUPPORT (2 HOLES ON CENTER) <b>2-4-7000-DS</b>	2
	2 X 4 X 70" REAR TOP PANEL BOARD (2 HOLES OFFSET/ 1 CENTERED) <b>2-4-7000-RTPB</b>	1
	2 X 6 X 47 $\frac{1}{2}$ " BOTTOM PANEL AND SANDBOX BOARD (4 HOLES OFFSET) <b>2-6-4750-ESP</b>	2

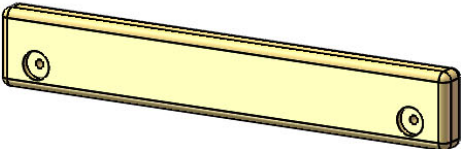
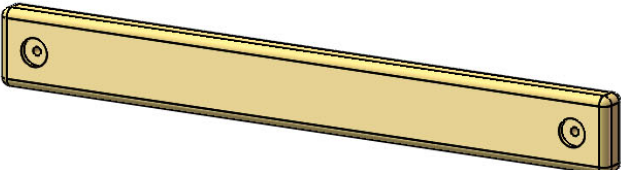
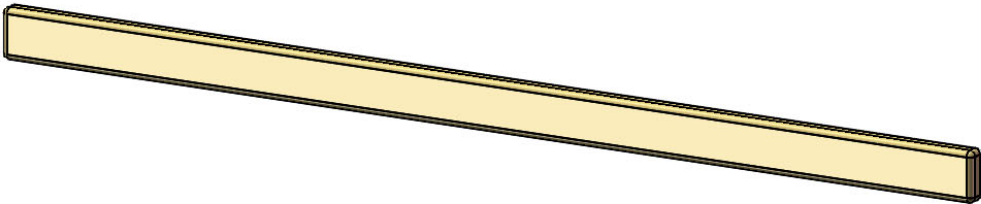
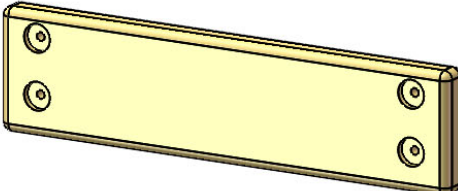
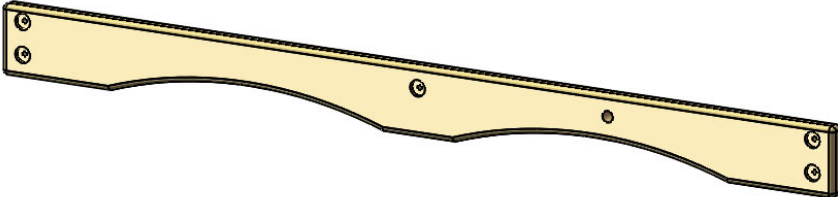
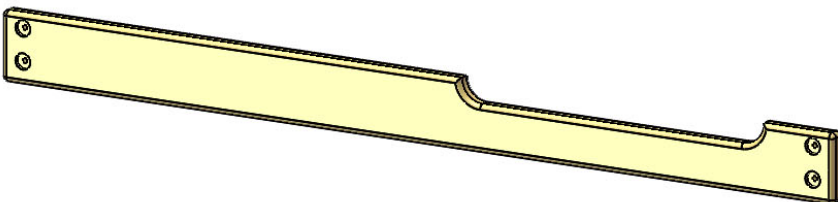
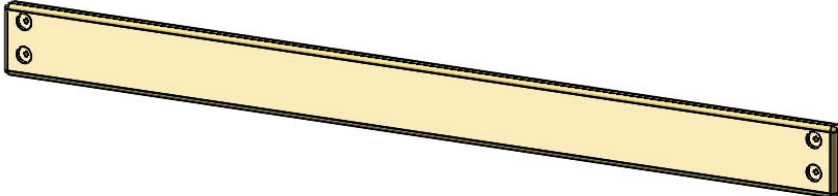
PICTURE	DESCRIPTION	QTY.
	2 X 6 X 70" FRONT FACE BOARD (4 HOLES OFFSET) <b>2-6-7000-FFB</b>	1
	2 X 6 X 70" BOTTOM PANEL AND SANDBOX BOARD (4 HOLES OFFSET) <b>2-6-7000-SB</b>	1
	4 X 4 X 47 $\frac{1}{2}$ " SWING BEAM MOUNT <b>4-4-4750-SBM</b>	1
	5 $\frac{5}{8}$ X 2 $\frac{5}{8}$ X 13 $\frac{1}{4}$ " PICNIC TABLE SLAT <b>125-3-1325-PTS</b>	2
	5 $\frac{5}{8}$ X 2 $\frac{5}{8}$ X 17 $\frac{1}{2}$ " TIC TAC TOE MOUNT <b>125-3-1750-TTMM</b>	2
	5 $\frac{5}{8}$ X 3 X 18 $\frac{3}{4}$ " LADDER BACK <b>125-3-1875-LB</b>	1
	5 $\frac{5}{8}$ X 3 X 23 $\frac{7}{8}$ " ROCK WALL CAP <b>125-3-2387-RWC</b>	1

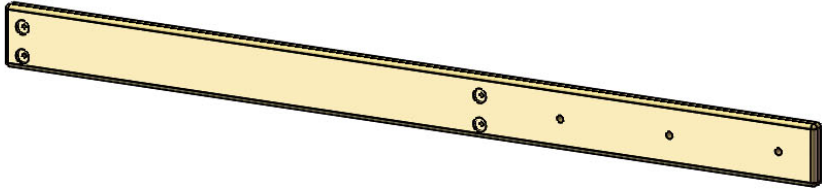
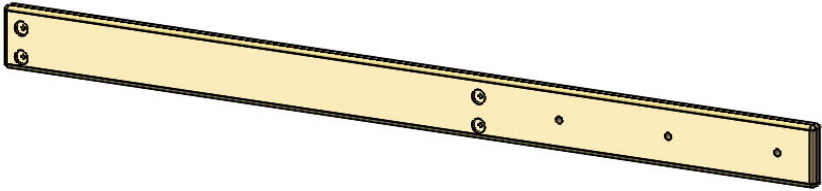
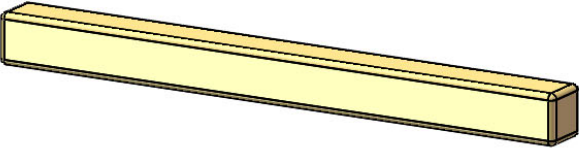
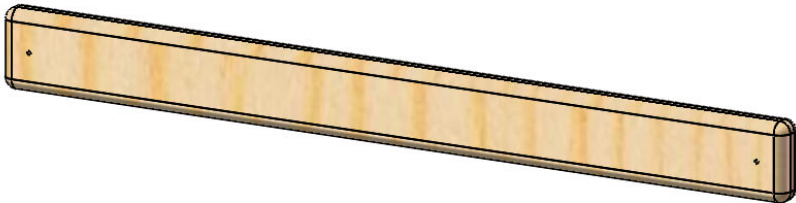
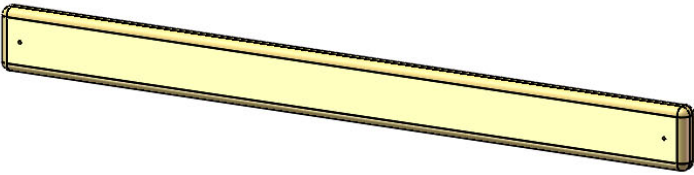
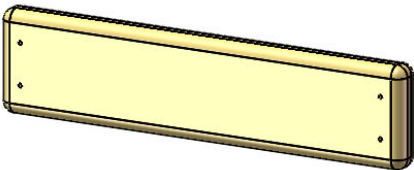
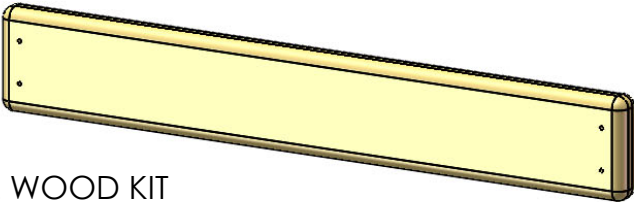


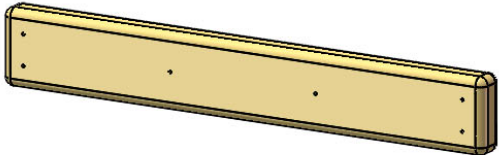
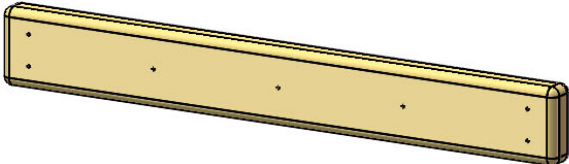
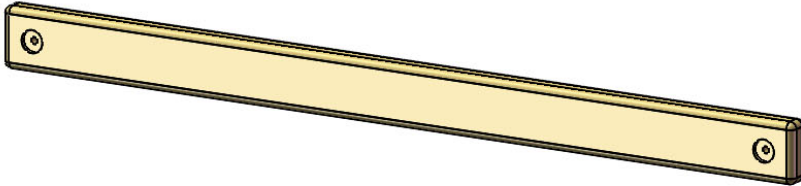
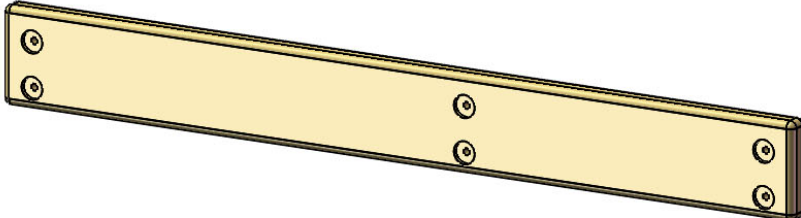
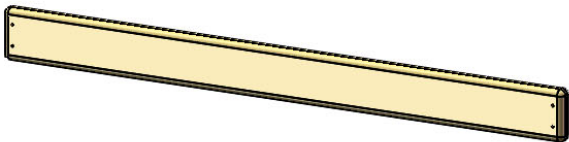
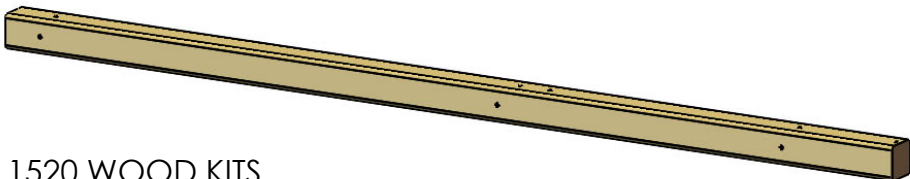
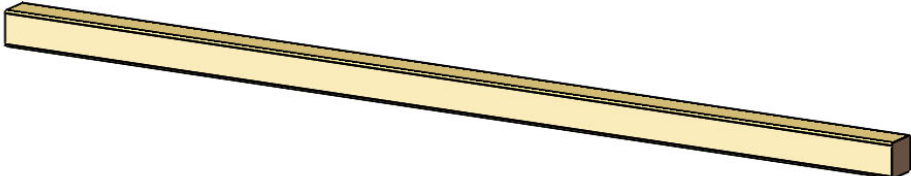
PICTURE	DESCRIPTION	QTY.
	$\frac{5}{4} \times 2\frac{5}{8} \times 28\frac{1}{4}$ " PANEL SLAT <b>125-3-2825-PS</b>	14
	$\frac{5}{4} \times 4 \times 40\frac{3}{8}$ " DECK SPACER <b>125-4-4038-DS</b>	2
	$\frac{5}{4} \times 6 \times 22$ " SANDBOX SEAT <b>125-6-2200-SS</b>	2
	$\frac{5}{4} \times 6 \times 23\frac{7}{8}$ " BOTTOM ROCK WALL BOARD <b>125-6-2387-BRW</b>	1
	$\frac{5}{4} \times 6 \times 23\frac{7}{8}$ " ROCK WALL BOARD <b>125-6-2387-RWB</b>	11
	$\frac{5}{4} \times 6 \times 43$ " PICNIC TABLE TOP AND SEATS <b>125-6-4300-PTTS</b>	4
	$\frac{5}{4} \times 6 \times 47\frac{3}{8}$ " DECK BOARD <b>125-6-4737-DB</b>	11
END OF 1501 WOOD KIT		28

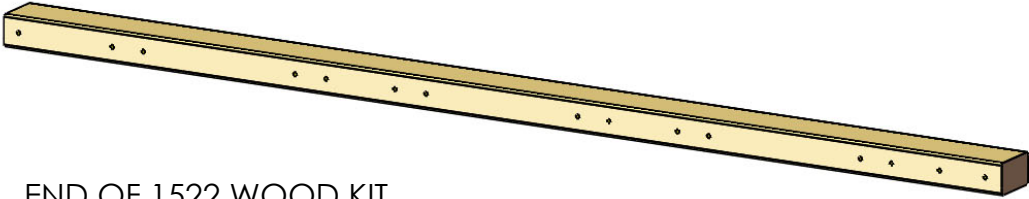
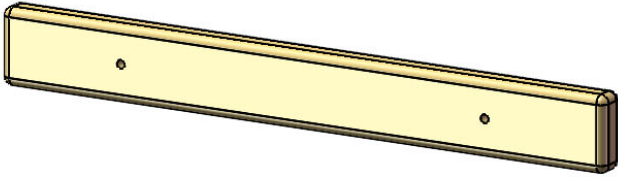
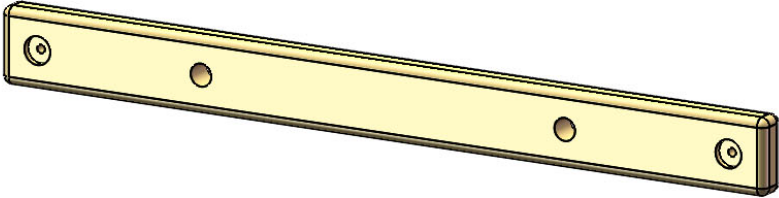
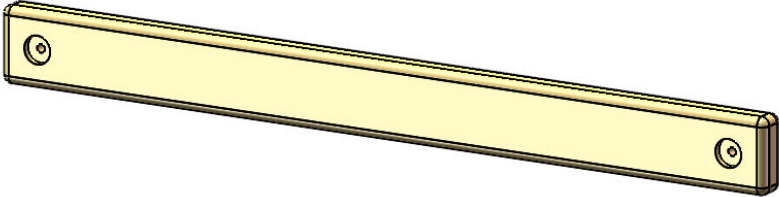
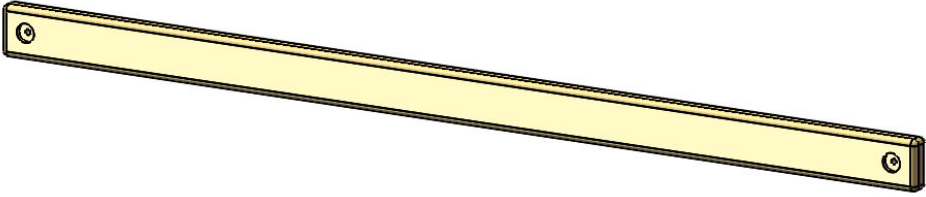
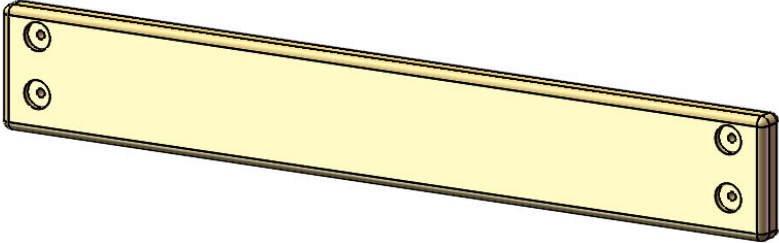
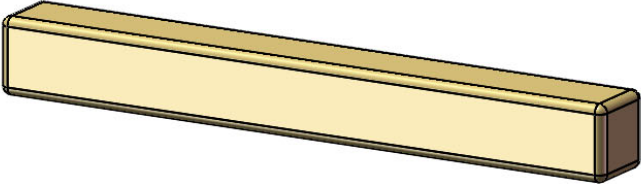


1503N WOOD KIT	PICTURE	DESCRIPTION	QTY.
		1 X 4 X 47 $\frac{1}{2}$ " TONGUE-ONLY ROOF FINISHER <b>1-4-4750-RF</b>	2
		1 X 4 X 47 $\frac{1}{2}$ " GROOVE-ONLY ROOF STARTER <b>1-4-4750-RS</b>	2
		1 X 5 X 47 $\frac{1}{2}$ " TONGUE-AND- GROOVE ROOF BOARD <b>1-5-4750-RB</b>	22
		47 $\frac{1}{2}$ " ROOF PEAK <b>1-6-4750-RP</b>	1
		2 X 4 X 28-9/16" CENTER POST FRONT/REAR <b>2-4-2856-CPFR</b>	2
		2 X 4 X 51-1/8" ROOF SUPPORT (1 HOLE OFFSET) <b>2-4-5113-RSL</b> <b>2-4-5113-RSR</b>	2 LEFT 2 RIGHT
END OF 1503N WOOD KIT		$\frac{5}{4}$ X 6 X 10" ROOF PEAK SUPPORT <b>125-6-1000-RPS</b>	2

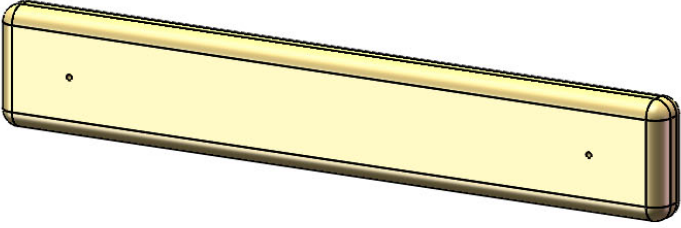
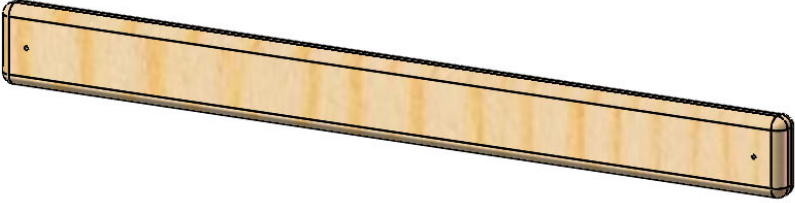
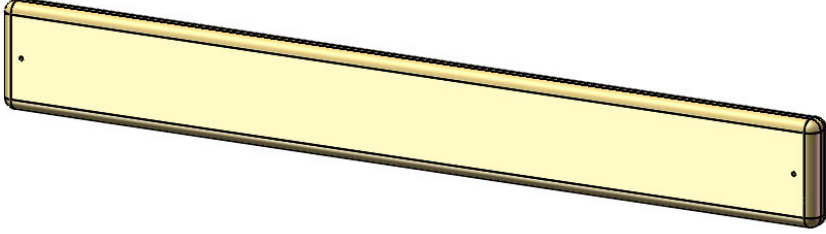
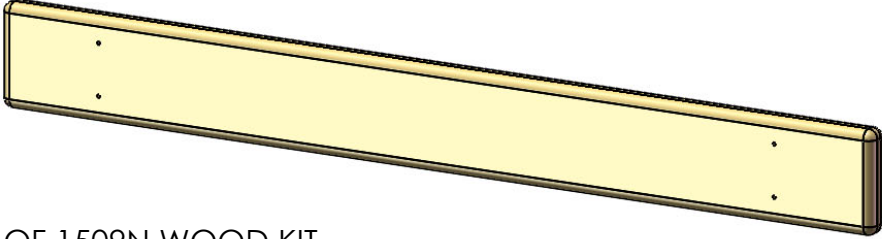
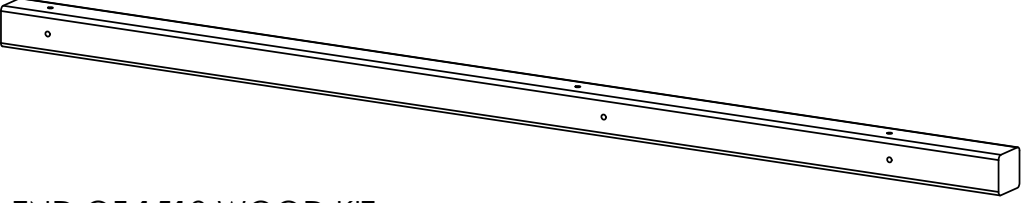
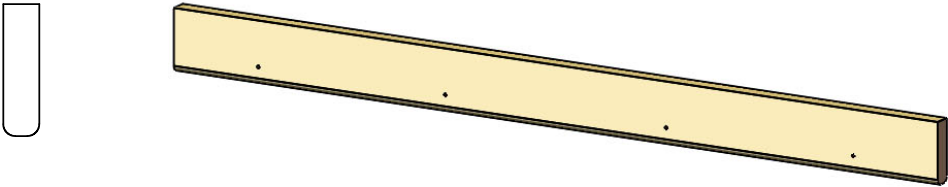
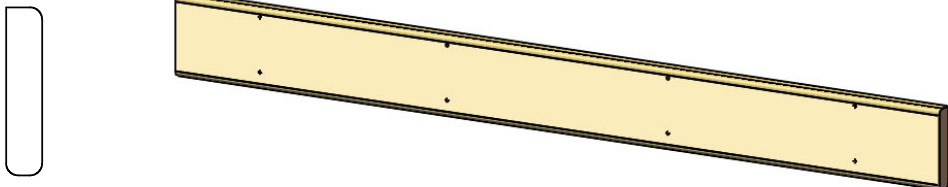
PICTURE	DESCRIPTION	QTY.
<p>1512 WOOD KIT</p> 	<p>2 X 4 X 21-1/2" END PANEL BOARD <b>2-4-2150-EPB</b></p>	<p>1</p>
	<p>2 X 4 X 29-1/4" SLIDE HEADER BOARD <b>2-4-2925-SHB</b></p>	<p>1</p>
	<p>2 X 4 X 70" CENTER DECK SUPPORT <b>2-4-7000-CDS</b></p>	<p>1</p>
	<p>2 X 6 X 21<sup>1</sup>/<sub>2</sub>" END PANEL BOARD (4 HOLES OFFSET) <b>2-6-2150-EPB</b></p>	<p>1</p>
	<p>2 X 6 X 70" FRONT TOP PANEL BOARD (4 HOLES OFFSET, 1 CENTER) <b>2-6-7000-FTPB</b></p>	<p>1</p>
	<p>2 X 6 X 70" REAR FACE BOARD (4 HOLES OFFSET) <b>2-6-7000-RFB</b></p>	<p>1</p>
	<p>2 X 6 X 70" BOTTOM PANEL AND SANDBOX BOARD (4 HOLES OFFSET) <b>2-6-7000-SB</b></p>	<p>1</p>

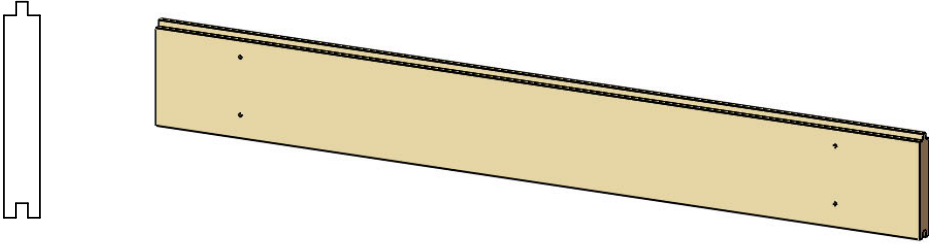
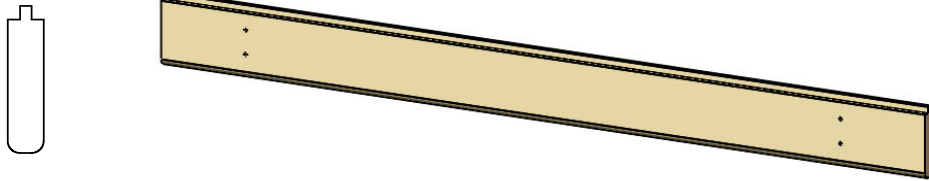
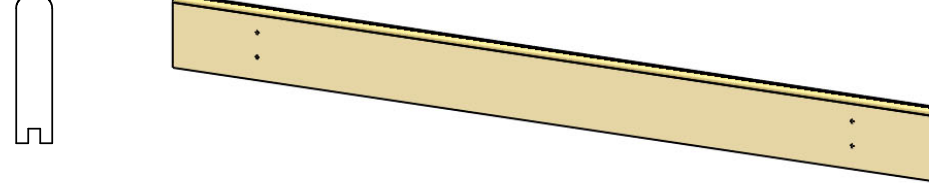
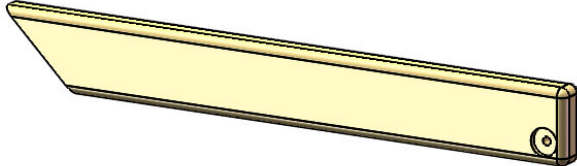
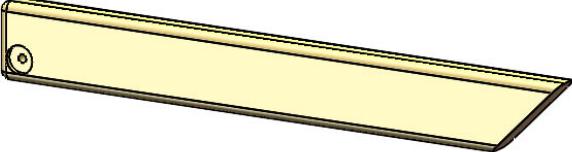
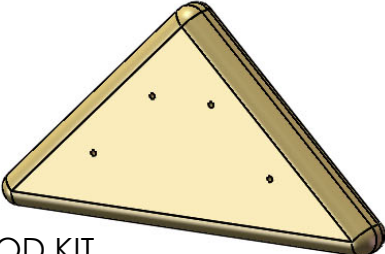
PICTURE	DESCRIPTION	QTY.
	2 X 6 X 79-1/2" ROPE LADDER SUPPORT (4 HOLES OFFSET, 3 HOLES ON CENTER) <b>2-6-7950-RLS</b>	1
	2 X 6 X 79-1/2" ROPE LADDER RUNNER (4 HOLES OFFSET, 3 HOLES ON CENTER) <b>2-6-7950-RLR</b>	1
	4 X 4 X 40" END WALL SLIDE MOUNT POST <b>4-4-4000-EWSMP</b>	1
	$\frac{5}{4} \times 2\frac{5}{8} \times 28\frac{1}{4}$ " PANEL SLAT <b>125-3-2825-PS</b>	2
	$\frac{5}{4} \times 2\frac{5}{8} \times 33$ " PANEL SLAT <b>125-3-3300-PS</b>	2
	$\frac{5}{4} \times 4 \times 14\frac{1}{2}$ " DECK SPACER <b>125-4-1450-DS</b>	1
	$\frac{5}{4} \times 4 \times 22\frac{1}{2}$ " DECK SPACER <b>125-4-2250-DS</b>	1

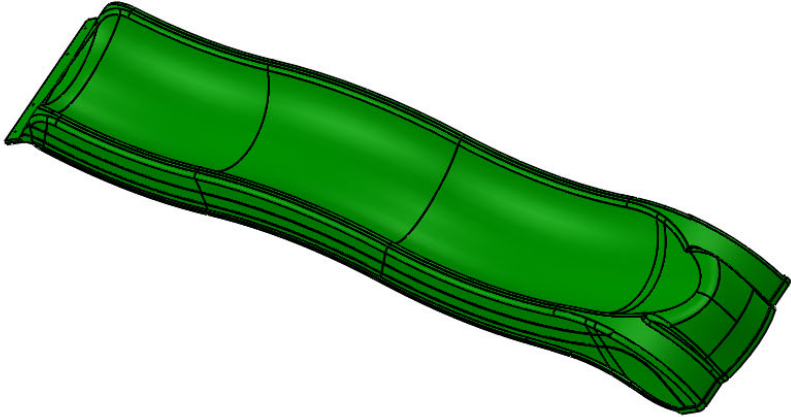
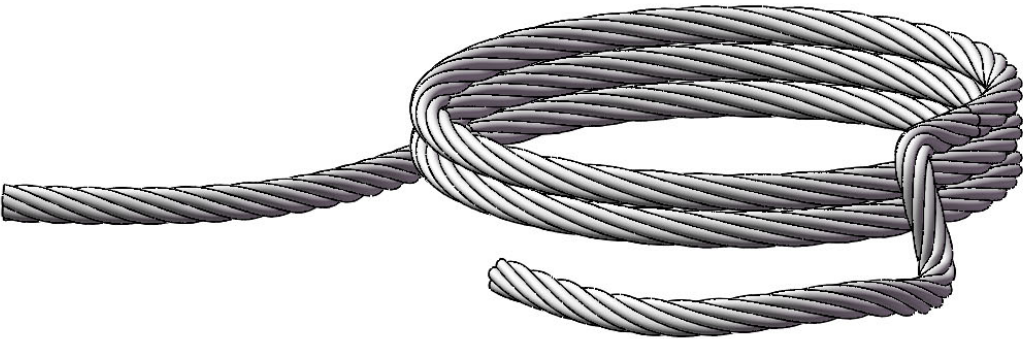

PICTURE	DESCRIPTION	QTY.
<p>1512A WOOD KIT</p> 	<p>2 X 4 X 23-1/8" VERTICAL FRAME BOARD 2 <b>2-4-2313-VFB2</b></p>	<p>1</p>
	<p>2 X 4 X 26-5/8" VERTICAL FRAME BOARD 1 <b>2-4-2663-VFB1</b></p>	<p>1</p>
	<p>2 X 4 X 47-1/2" TOP FRAME BOARD <b>2-4-4750-TFB</b></p>	<p>2</p>
	<p>2 X 6 X 47-1/2" BOTTOM FRAME BOARD (6 HOLES OFFSET) <b>2-6-4750-BFB</b></p>	<p>1</p>
 <p>END OF 1512A WOOD KIT</p>	<p><math>\frac{5}{4}</math> X 4 X 40<math>\frac{3}{8}</math>" DECK SPACER <b>125-4-4038-DS</b></p>	<p>1</p>
<p>1520 WOOD KITS (2 BOXES)</p>  <p>END OF 1520 WOOD KITS</p>	<p>4 X 4 X 96" CORNER POST <b>4-4-9600-FCP</b></p>	<p>4</p>
<p>1522 WOOD KIT</p> 	<p>4 X 4 X 108" SWING LEG <b>4-4-10800-SL</b></p>	<p>2</p>

PICTURE	DESCRIPTION	QTY.
 <p>END OF 1522 WOOD KIT</p>	<p>4 X 6 X 120" SWING BEAM <b>4-6-12000-SB</b></p>	<p>1</p>
<p>1509N WOOD KIT</p> 	<p>2 X 4 X 29" BRIDGE DECK <b>2-4-2900-BD</b></p>	<p>15</p>
	<p>2 X 4 X 36-3/4" SAFETY BOARD WITH CHAIN HOLES <b>2-4-3675-SBH</b></p>	<p>2</p>
	<p>2 X 4 X 36-3/4" RAILING/DECK SUPPORT <b>2-4-3675-SB</b></p>	<p>6</p>
	<p>2 X 4 X 66" BRIDGE RAIL <b>2-4-6600-R</b></p>	<p>4</p>
	<p>2 X 6 X 36-3/4" BOTTOM PANEL BOARD <b>2-6-3675-BPB</b></p>	<p>6</p>
	<p>4 X 4 X 29" CENTER POST <b>4-4-2900-CP</b></p>	<p>1</p>

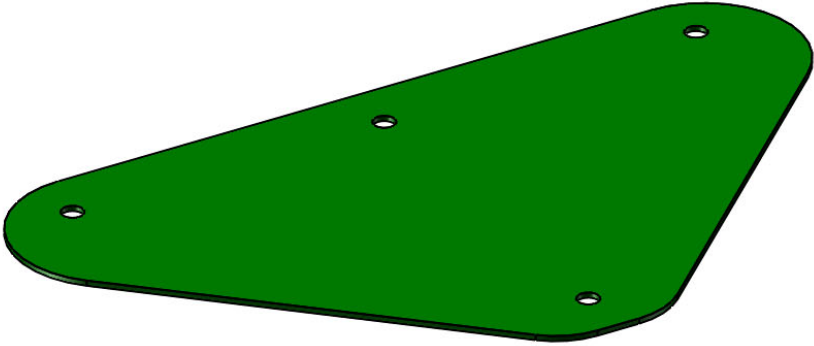
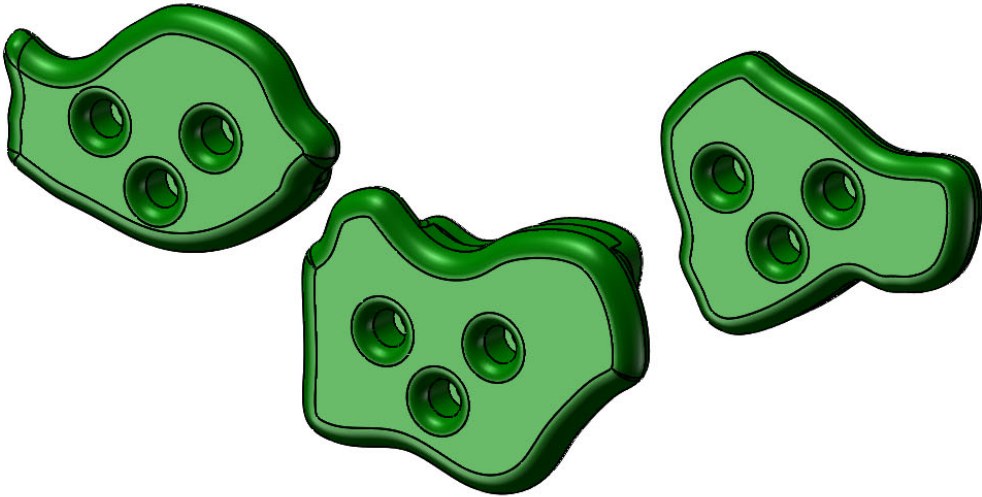
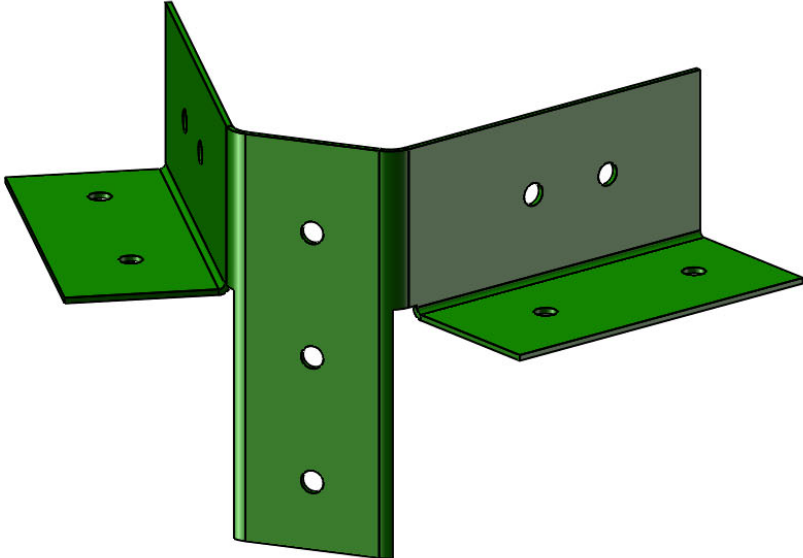


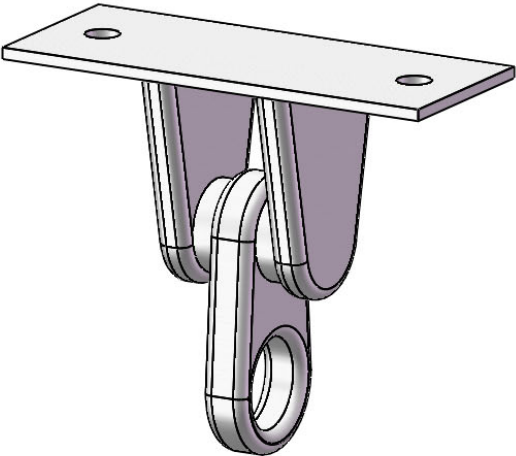
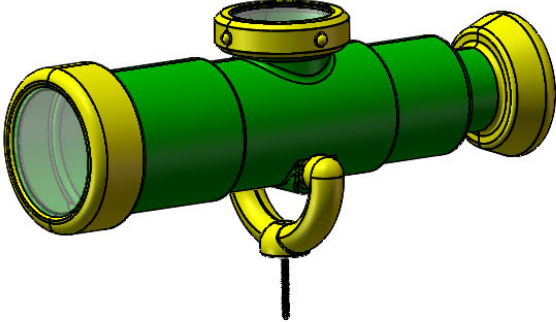
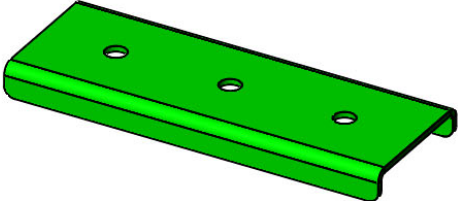
PICTURE	DESCRIPTION	QTY.
	5/4 X 3 X 16" BRIDGE RAIL SLAT <b>125-3-1600-RS</b>	20
	5/4 X 3 X 28-1/2" PANEL SLAT <b>125-3-2850-PS</b>	11
	5/4 X 4 X 29-3/8" DECK SPACER <b>125-4-2937-DS</b>	2
	5/4 X 4 X 36-1/2" DECK BOARD <b>125-4-3650-DB</b>	7
END OF 1509N WOOD KIT 1519 WOOD KIT 	4 X 4 X 96" CLATTER BRIDGE CORNER POST <b>4-4-9600-CBP</b>	4
END OF 1519 WOOD KIT 1509W WOOD KIT 	1 X 3 X 36-3/4" ROOF PEAK BOARD 2 <b>1-3-3675-RPB2</b>	1
	1 X 4 X 36-3/4" ROOF PEAK BOARD 1 <b>1-4-3675-RPB1</b>	1

PICTURE	DESCRIPTION	QTY.
	1 X 5 X 36-3/4" ROOF BOARD <b>1-5-3675-RB</b>	10
	1 X 4 X 36-3/4" ROOF FINISHER <b>1-4-3675-RF</b>	2
	1 X 4 X 36-3/4" ROOF STARTER <b>1-4-3675-RS</b>	2
	2 X 4 X 27" ROOF SUPPORT LEFT <b>2-4-2700-RSL</b>	2
	2 X 4 X 27" ROOF SUPPORT RIGHT <b>2-4-2700-RSR</b>	2
 <p>END OF 1509W WOOD KIT</p>	5/4 X 6 X 10" ROOF PEAK SUPPORT <b>125-6-1000-RPS</b>	2
		35

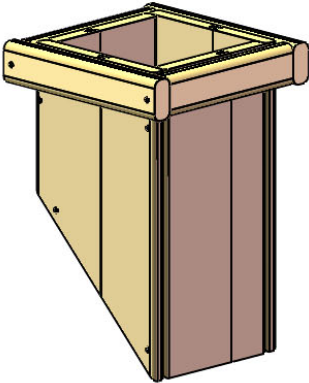
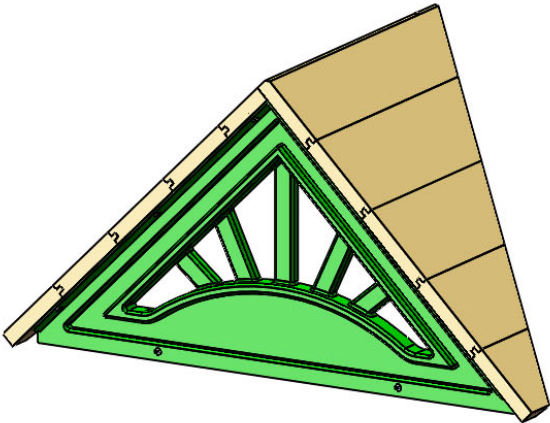
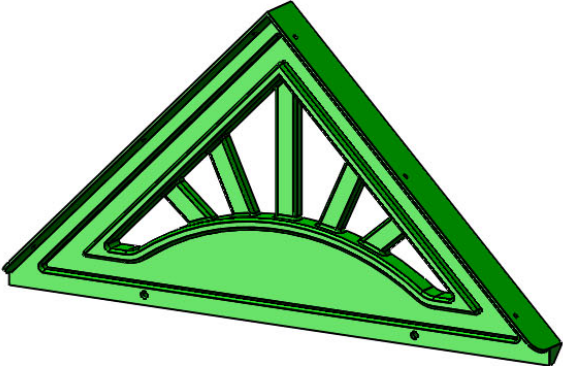
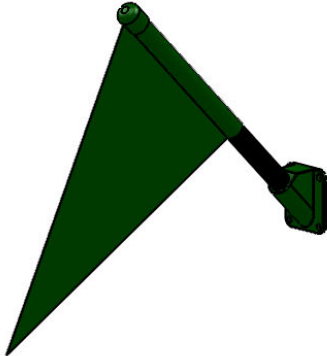
PICTURE	DESCRIPTION	QTY.
	WAVE SLIDE	1
	13' ROPE LADDER ROPES  10' ROCK WALL ROPE	3          1
	SWING W/CHAINS  TRAPEZE BAR W/CHAINS	2          1



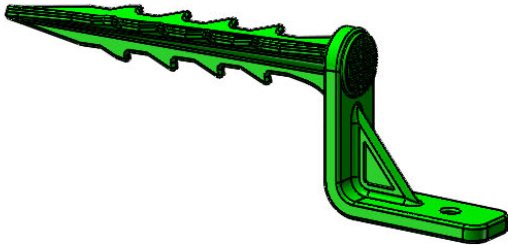


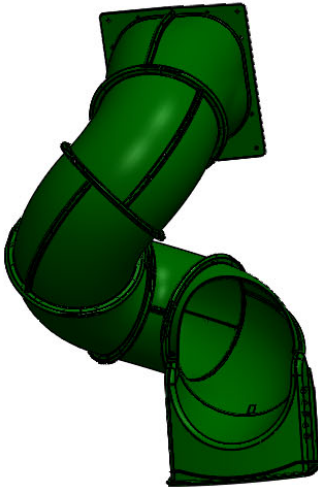



PICTURE	DESCRIPTION	QTY.
	SWING PLATE <b>11-5002</b>	<b>1</b>
	CLIMBING ROCKS (07-0008 IS A PACK OF 5)	<b>10</b> ROCKS
	A-FRAME SWING LEG BRACKET <b>11-5010</b>	<b>1</b>
HARDWARE BOXES: 1501, 1503N, 1509N, 1509W, 1512, 1512A Note: Hardware may be in a wood box or it may be in an accessory box.	HARDWARE BOXES  INSTRUCTIONS	<b>1</b> <b>EA.</b>

PICTURE	DESCRIPTION	QTY.
	IRON DUCTILE SWING HANGERS <b>11-4012</b>	6
	TELESCOPE	1
	CHANNEL BRACKET <b>11-5018</b>	1

PICTURE	DESCRIPTION	QTY.
	90 ° GREEN BRACKET <b>11-5013</b>	<b>4</b>
	SPRING CLIP <b>11-4003</b>	<b>6</b>
	SAFETY HANDLES (PAIR) <b>07-0005</b>	<b>1</b> pr

PICTURE	DESCRIPTION	QTY.
	UNASSEMBLED CHIMNEY <b>(1530 BOX)</b>	1
	UNASSEMBLED DORMER <b>(1530 BOX)</b>	2
	PLASTIC DORMER SUNBURST <b>07-0031</b>	4
	FLAG KIT <b>09-1014</b>	2

PICTURE	DESCRIPTION	QTY.
	PLASTIC SUNBURST <b>07-0028-G</b>	2
(NOT SHOWN) 	MANUFACTURER LOGO PLATE  SAFETY WARNING PLATE <b>11-5023</b>	1 EA
	GROUND STAKE (PAIR) <b>07-0016-P</b>	1 pr
	TIC TAC TOE (UNASSEMBLED) <b>07-0010</b>	1
	STEERING WHEEL	1
	QUICK CONNECT TURBO SLIDE <b>03-0031</b>	1

PICTURE	DESCRIPTION	QTY.
	CLATTER-BRIDGE CHAIN <b>96"</b>	<b>2</b>
(NOT SHOWN)	CLATTER-BRIDGE MESH PANELS <b>06-2004</b>	<b>1</b> SET
		42

# STEP 1: ATTACHING T-NUTS TO THE CORNER POSTS

1: THIS STEP IS CRITICAL TO BUILDING THE FORT PROPERLY. IF ANY MISTAKES ARE MADE HERE, YOU WILL NEED TO DIS-ASSEMBLE AND THEN RE-ASSEMBLE TO MAKE YOUR CORRECTIONS.

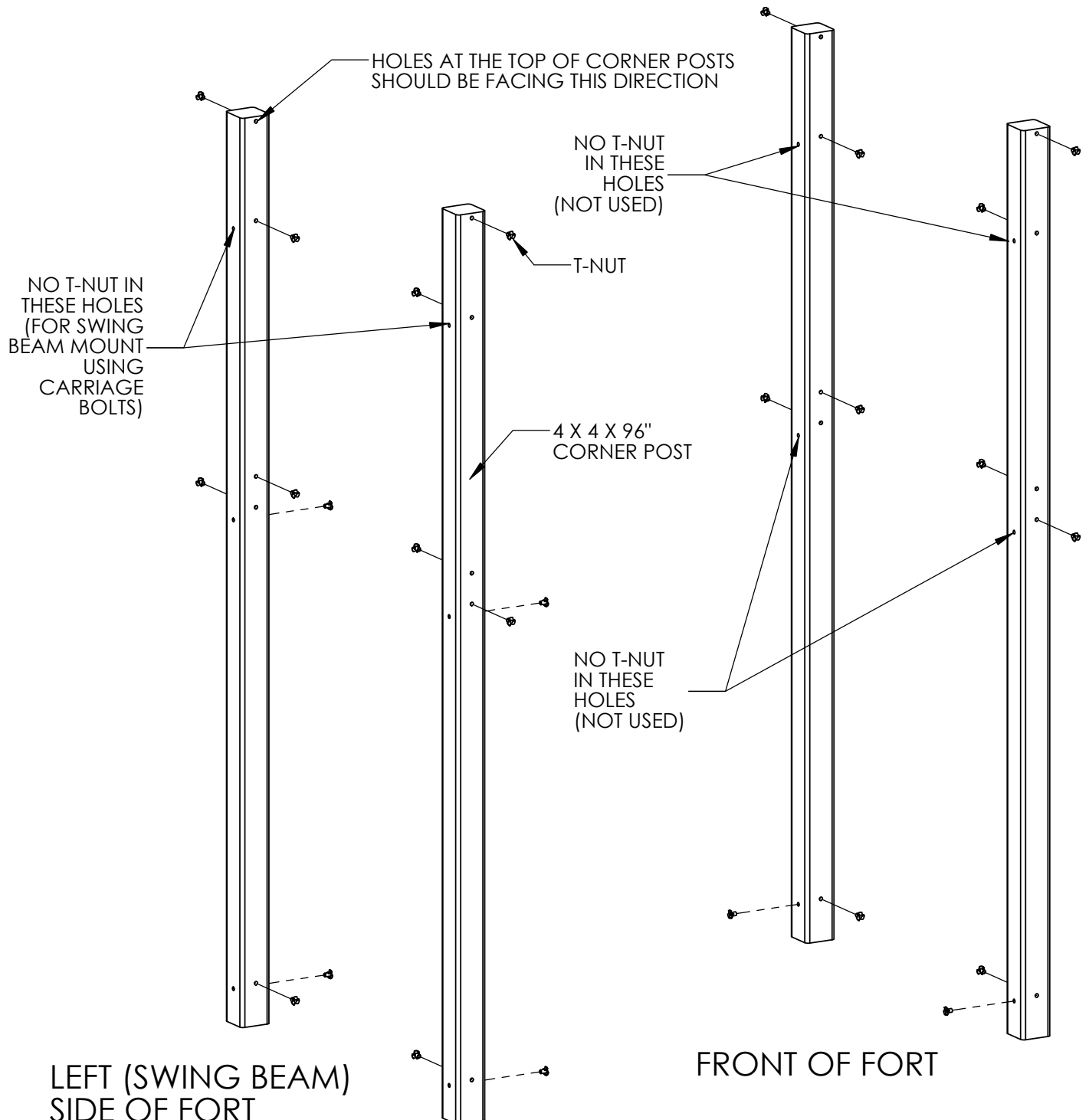
2: MAKE SURE HOLES ARE FREE OF ANY OBSTRUCTIONS. USE A BOLT TO CLEAN OUT ANY DEBRIS.

3: LAY OUT EACH OF THE 4 X 4 X 96" CORNER POSTS IN THE AREA YOU INTEND ON BUILDING THE FORT SIDE OF THE PLAYSET.

4: USE THE DIAGRAM BELOW TO CORRECTLY IDENTIFY AND ORIENT THE DIRECTION THE POSTS SHOULD FACE.

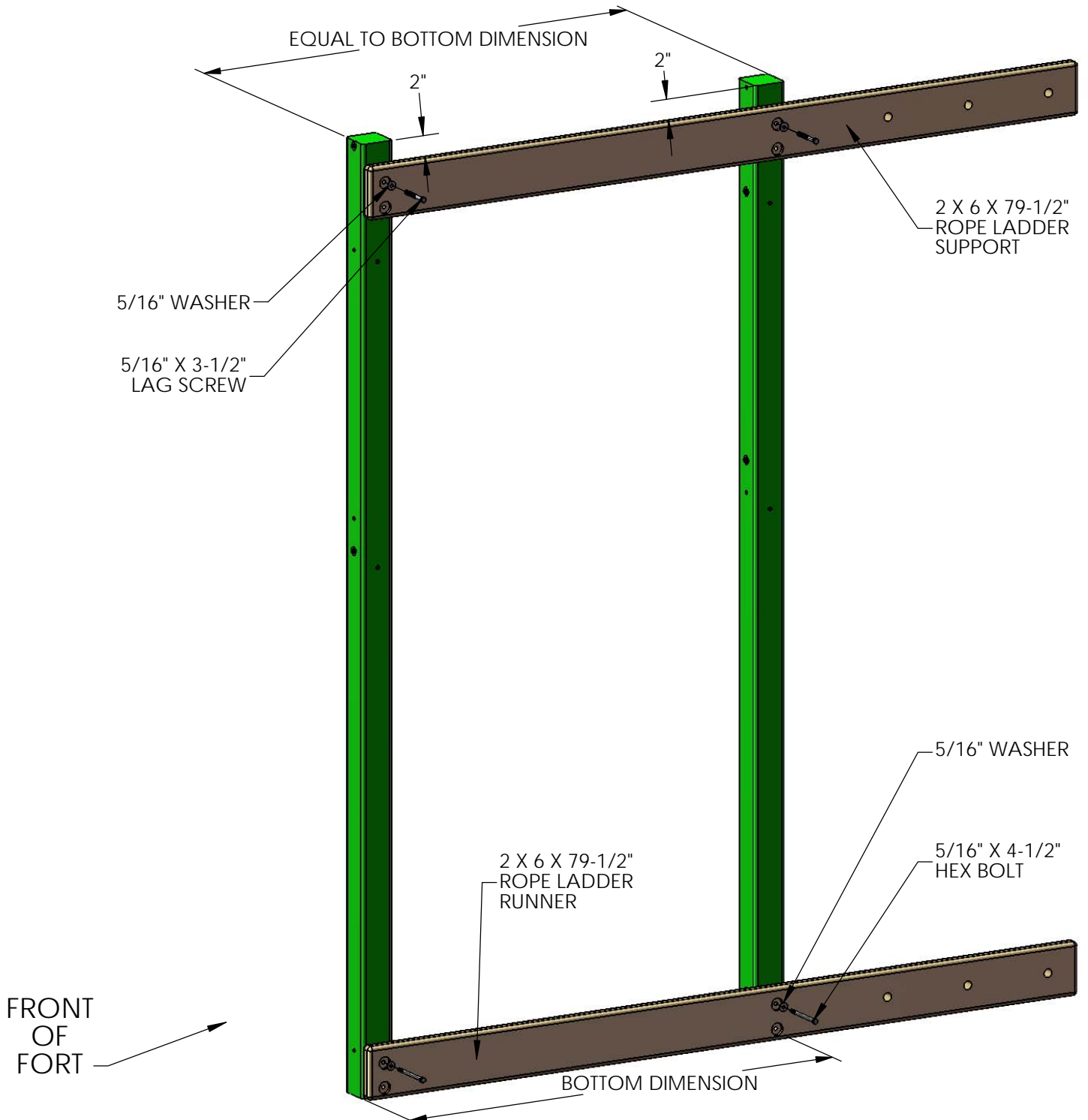
5: USE A HAMMER TO SEAT THE T-NUTS AFTER INSERTING THEM INTO THE HOLES SHOWN IN THE DIAGRAM BELOW.

6: THE BARREL OF THE T-NUT SHOULD GO IN THE HOLE FIRST. HAMMER THE T-NUT UNTIL IT IS FLUSH/ALMOST FLUSH TO THE CORNER POSTS.



## STEP 2: ASSEMBLING THE RIGHT SIDE FRAME

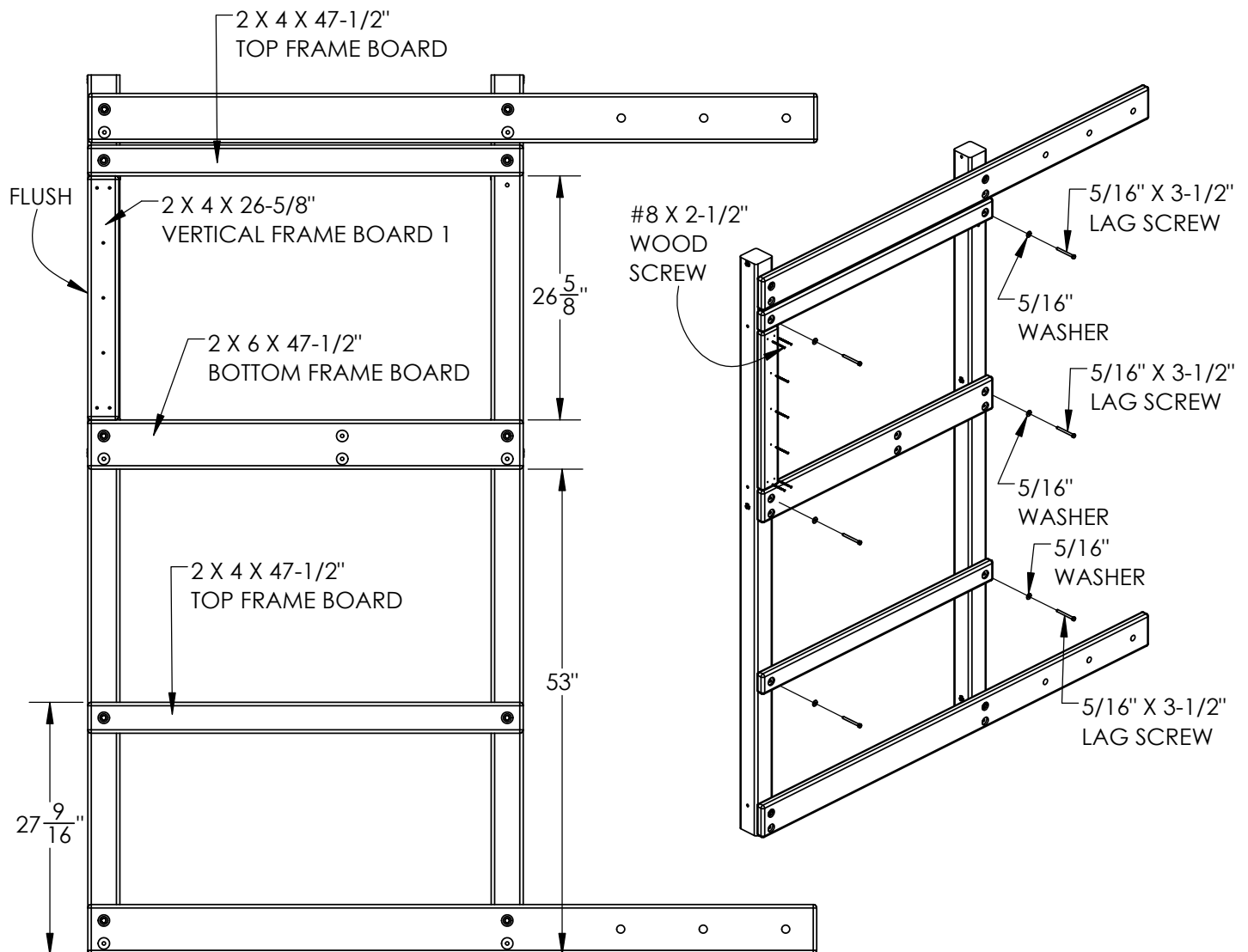
- 1: LAY THE 2 X 6 X 79-1/2" ROPE LADDER RUNNER ON TOP OF THE RIGHT SIDE CORNER POSTS AT THE BOTTOM OF THE CORNER POSTS. THE HOLES IN THE ROPE LADDER RUNNER MUST BE OFFSET DOWN.
- 2: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE TOP HOLES OF THE ROPE LADDER RUNNER TO THE T-NUTS INSTALLED ON THE CORNER POSTS. THE BOTTOM HOLES WILL BE USED LATER.
- 3: LAY THE 2 X 6 X 79-1/2" ROPE LADDER SUPPORT ON TOP OF THE RIGHT SIDE CORNER POSTS, AND MEASURE 2" FROM THE TOP OF BOTH CORNER POSTS.
- 4: BEFORE INSTALLING LAG SCREWS, MEASURE THE DISTANCE ACROSS THE OUTSIDE OF THE BOTTOM OF THE CORNER POSTS AND THEN MAKE THE OUTSIDE TOP OF THE CORNER POSTS EQUAL TO THAT MEASUREMENT. USE 5/16 X 3-1/2" LAG SCREWS AND 5/16" WASHERS TO ATTACH THE TOP HOLES OF THE ROPE LADDER SUPPORT TO THE CORNER POSTS. THE BOTTOM HOLES WILL BE USED LATER.





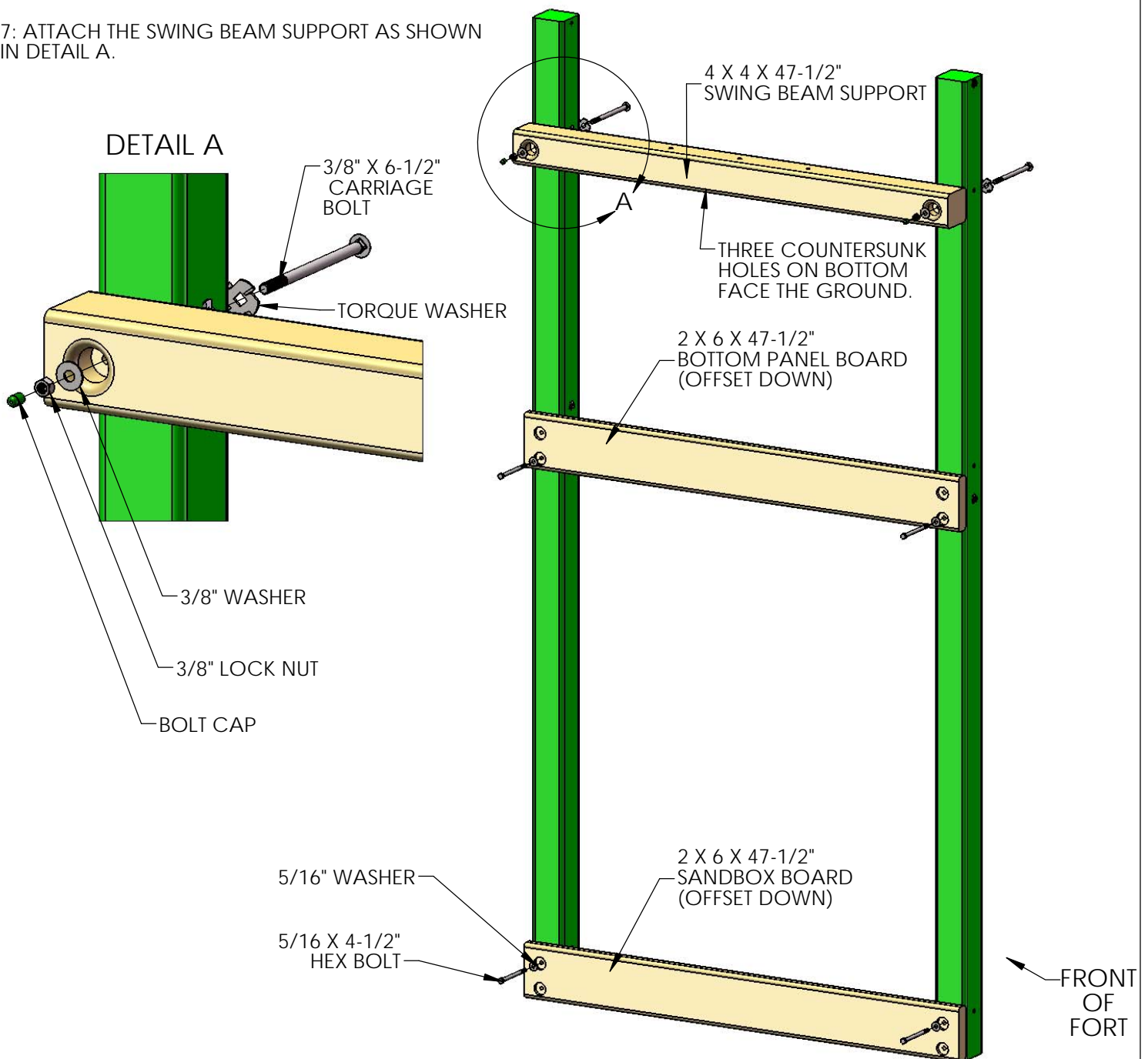
## STEP 2A: ASSEMBLING THE RIGHT SIDE FRAME

- 1: MAKE MARKS ON THE CORNER POSTS AT  $27\frac{9}{16}$ " FROM THE BOTTOM OF THE POSTS GOING UP.
- 2: ALIGN THE TOP OF THE TOP FRAME BOARD WITH THE MARKS AND ATTACH WITH  $\frac{5}{16}$ " X  $3\frac{1}{2}$ " LAG SCREWS AND  $\frac{5}{16}$ " WASHERS.
- 3: MAKE MARKS ON THE CORNER POSTS AT 53" UP FROM THE BOTTOM OF THE POSTS GOING UP.
- 4: ALIGN THE BOTTOM OF THE BOTTOM FRAME BOARD WITH THE MARKS AND ATTACH WITH  $\frac{5}{16}$ " X  $3\frac{1}{2}$ " LAG SCREWS AND  $\frac{5}{16}$ " WASHERS IN THE TOP HOLES ONLY.
- 5: PLACE VERTICAL FRAME BOARD 1 ON TOP OF THE BOTTOM FRAME BOARD. ALIGN THE SIDE OF THE VERTICAL FRAME BOARD FLUSH TO THE SIDE OF THE CORNER POST. ATTACH WITH #8 X  $2\frac{1}{2}$ " WOOD SCREWS.
- 6: MAKE A MARK ON THE RIGHT CORNER POST AT  $26\frac{5}{8}$ ". PLACE THE TOP FRAME BOARD ON TOP OF VERTICAL FRAME BOARD 1. ALIGN THE BOTTOM WITH THE MARK. ATTACH WITH  $\frac{5}{16}$ " X  $3\frac{1}{2}$ " LAG SCREWS AND  $\frac{5}{16}$ " WASHERS.



## STEP 3: ASSEMBLING THE LEFT SIDE FRAME

- 1: LAY THE 2 X 6 X 47-1/2" SANDBOX BOARD ON TOP OF THE LEFT SIDE CORNER POSTS AT THE BOTTOM OF THE CORNER POSTS. THE HOLES IN THE SANDBOX BOARD MUST BE OFFSET DOWN.
- 2: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE TOP HOLES OF THE SANDBOX BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS. THE BOTTOM HOLES WILL BE USED LATER.
- 3: LAY THE 2 X 6 X 47-1/2" BOTTOM PANEL BOARD ON TOP OF THE LEFT SIDE CORNER POSTS IN THE MIDDLE OF THE CORNER POSTS. THE OFFSET HOLES IN THE BOTTOM PANEL BOARD MUST BE OFFSET DOWN.
- 4: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE BOTTOM HOLES OF THE BOTTOM PANEL BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS. THE TOP HOLES WILL BE USED LATER.
- 5: LAY THE 4 X 4 X 47-1/2" SWING BEAM SUPPORT ON TOP OF THE LEFT SIDE CORNER POSTS. THE THREE COUNTERSUNK HOLES IN THE MIDDLE OF THE SWING BEAM SUPPORT MUST FACE DOWNWARD.
- 6: FIND TWO TORQUE WASHERS. PLACE A 3/8" X 6-1/2" CARRIAGE BOLT INSIDE THE TORQUE WASHER, MAKING SURE THAT THE TEETH ARE FACING IN THE SAME DIRECTION AS THE THREADS OF THE CARRIAGE BOLT. PLACE THE TORQUE WASHER/CARRIAGE BOLT ASSEMBLY INTO THE HOLES OF THE CORNER POST SO THAT THE HEAD OF THE CARRIAGE BOLT FACES WHAT WILL BE THE INSIDE OF THE FORT. USE A HAMMER TO SET THE TORQUE WASHER INTO THE CORNER POST.
- 7: ATTACH THE SWING BEAM SUPPORT AS SHOWN IN DETAIL A.

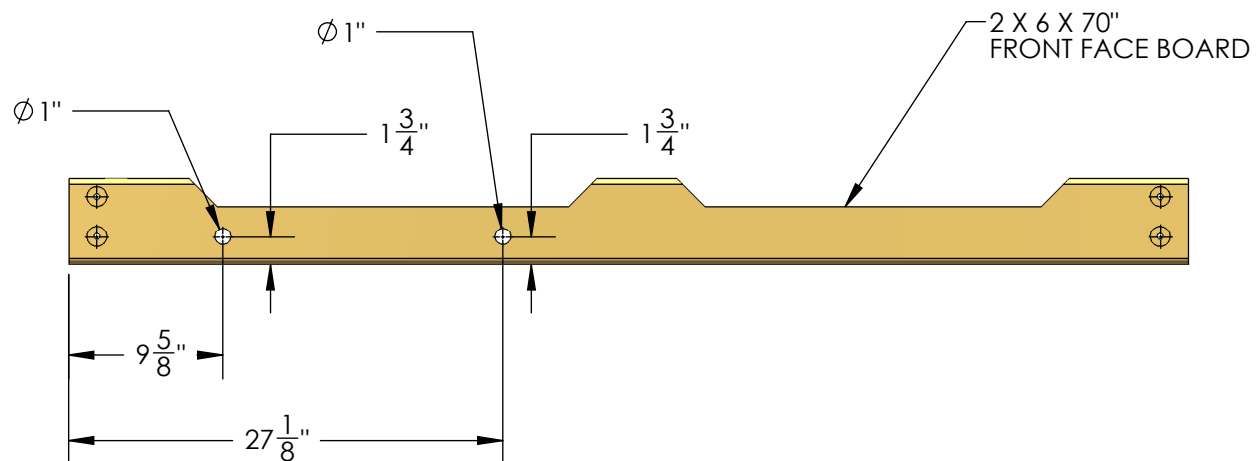
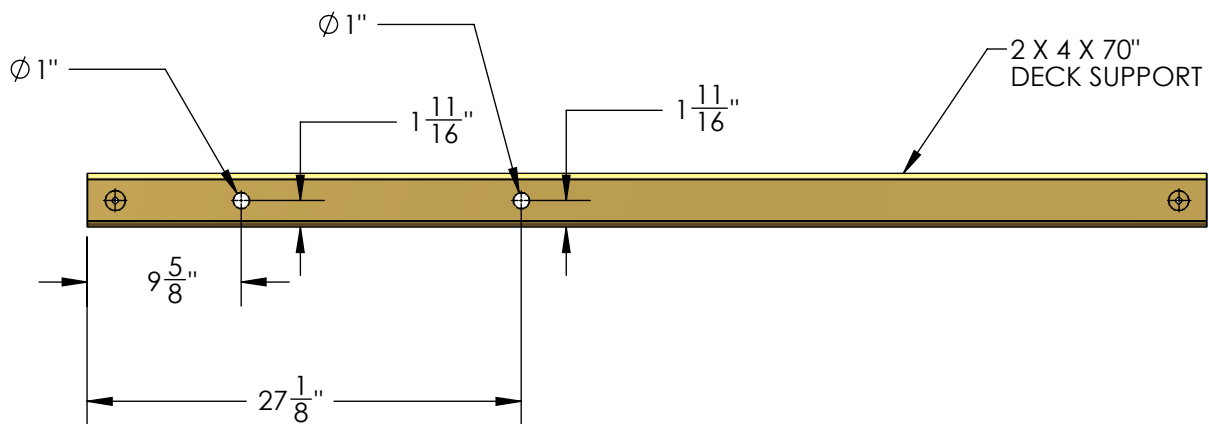


## STEP 3A: DRILL HOLES FOR BRIDGE CHAINS

1: LOCATE ONE 2 X 4 X 70" DECK SUPPORT AND ONE 2 X 6 X 70" FRONT FACE BOARD.

2: MEASURE AS SHOWN BELOW AND MAKE MARKS ON EACH BOARD.

3: PLACE A SCRAP PIECE OF WOOD UNDER THE BOARD BEFORE YOU DRILL THE 1" HOLES WITH A SPADE BIT.



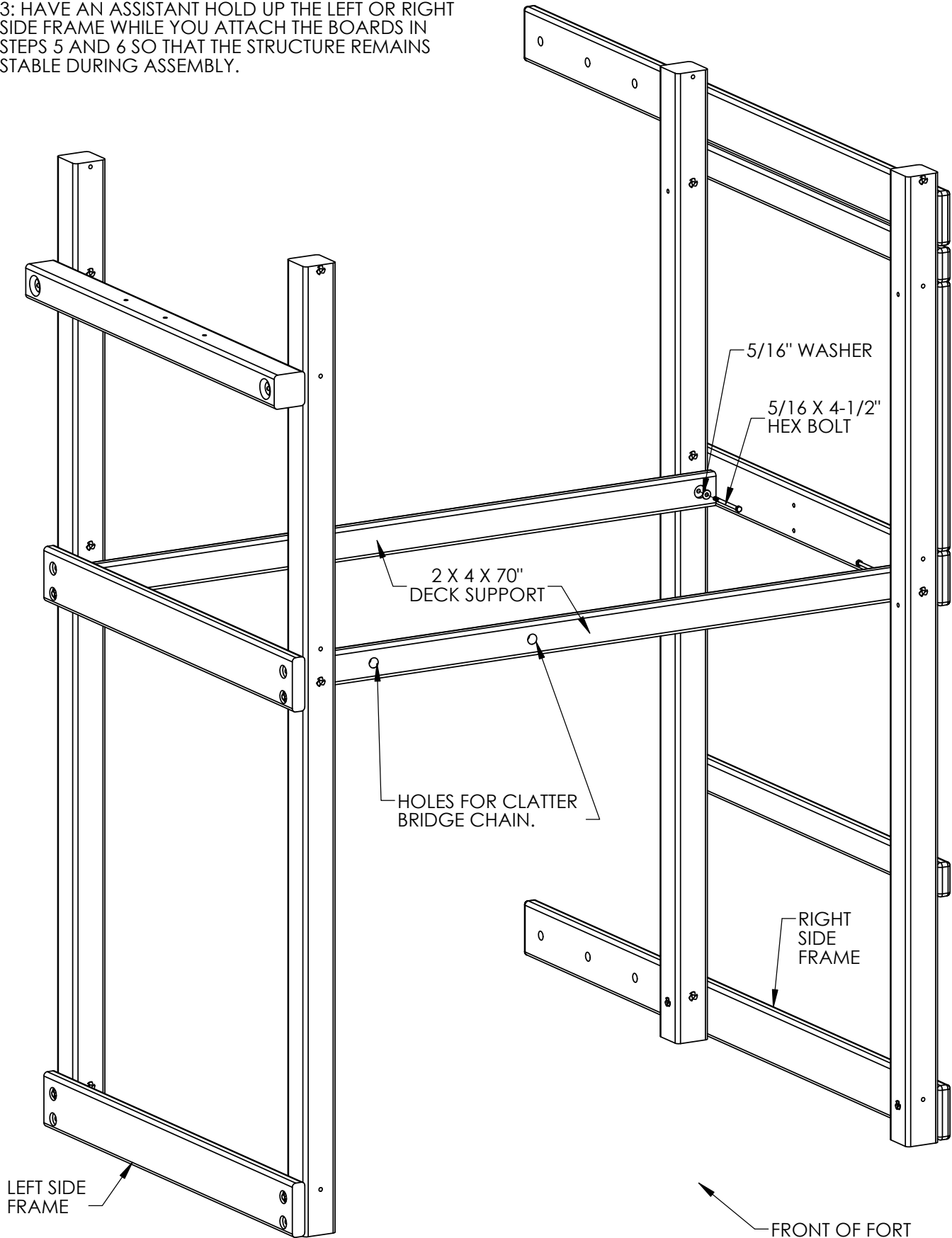
## STEP 4: DECK SUPPORTS

YOU WILL NEED AN EXTRA PERSON FOR THIS STEP.

1: WITH HELP, STAND UP THE LEFT AND RIGHT SIDE ASSEMBLIES.

2: FASTEN THE 2 X 4 X 70" DECK SUPPORTS TO THE HOLES AT 54-3/4" WITH 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS FROM THE INSIDE OF THE FORT.

3: HAVE AN ASSISTANT HOLD UP THE LEFT OR RIGHT SIDE FRAME WHILE YOU ATTACH THE BOARDS IN STEPS 5 AND 6 SO THAT THE STRUCTURE REMAINS STABLE DURING ASSEMBLY.



## STEP 5: FRONT FRAME ASSEMBLY

1: PLACE THE 2 X 6 X 70" SANDBOX BOARD ON THE FRONT OF THE CORNER POSTS AT THE BOTTOM. THE HOLES IN THE SANDBOX BOARD MUST BE OFFSET UP.

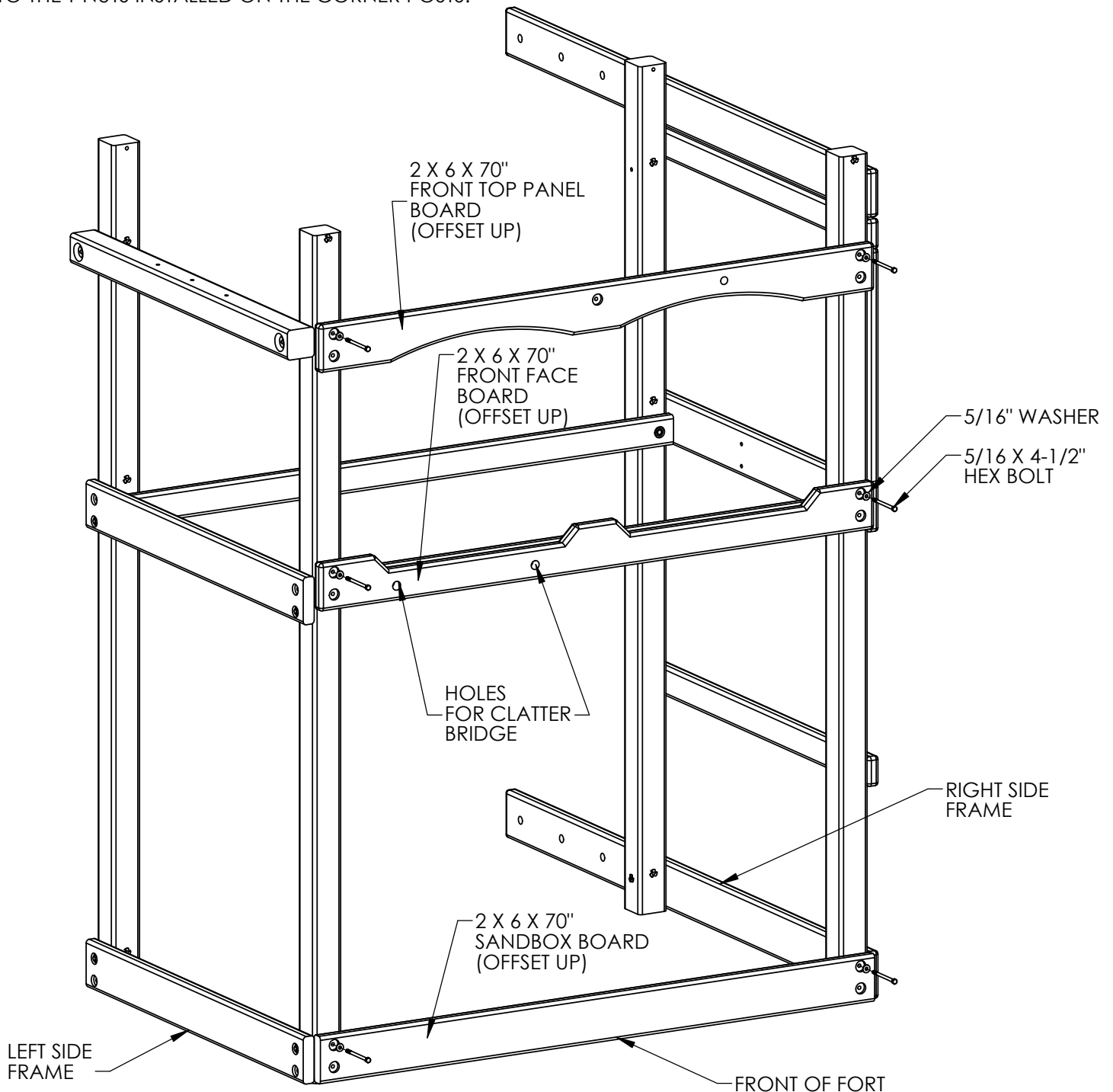
2: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE TOP HOLES OF THE SANDBOX BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS. THE BOTTOM HOLES WILL BE USED LATER.

3: PLACE THE 2 X 6 X 70" FRONT FACE BOARD WITH NOTCHES ON THE FRONT OF THE CORNER POSTS AT THE MIDDLE. THE HOLES IN THE FRONT FACE BOARD MUST BE OFFSET UP.

4: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE TOP HOLES OF THE FRONT FACE BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS. THE BOTTOM HOLES WILL BE USED LATER.

5: PLACE THE 2 X 6 X 70" FRONT TOP PANEL BOARD ON THE FRONT OF THE CORNER POSTS DOWN FROM THE TOP AS SHOWN. THE HOLES IN THE TOP PANEL BOARD MUST BE OFFSET UP.

6: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE TOP HOLES OF THE FRONT TOP PANEL BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS.



## STEP 6: REAR FRAME ASSEMBLY

1: PLACE THE 2 X 6 X 70" SANDBOX BOARD ON THE REAR CORNER POSTS. THE HOLES IN THE SANDBOX BOARD MUST BE OFFSET UP.

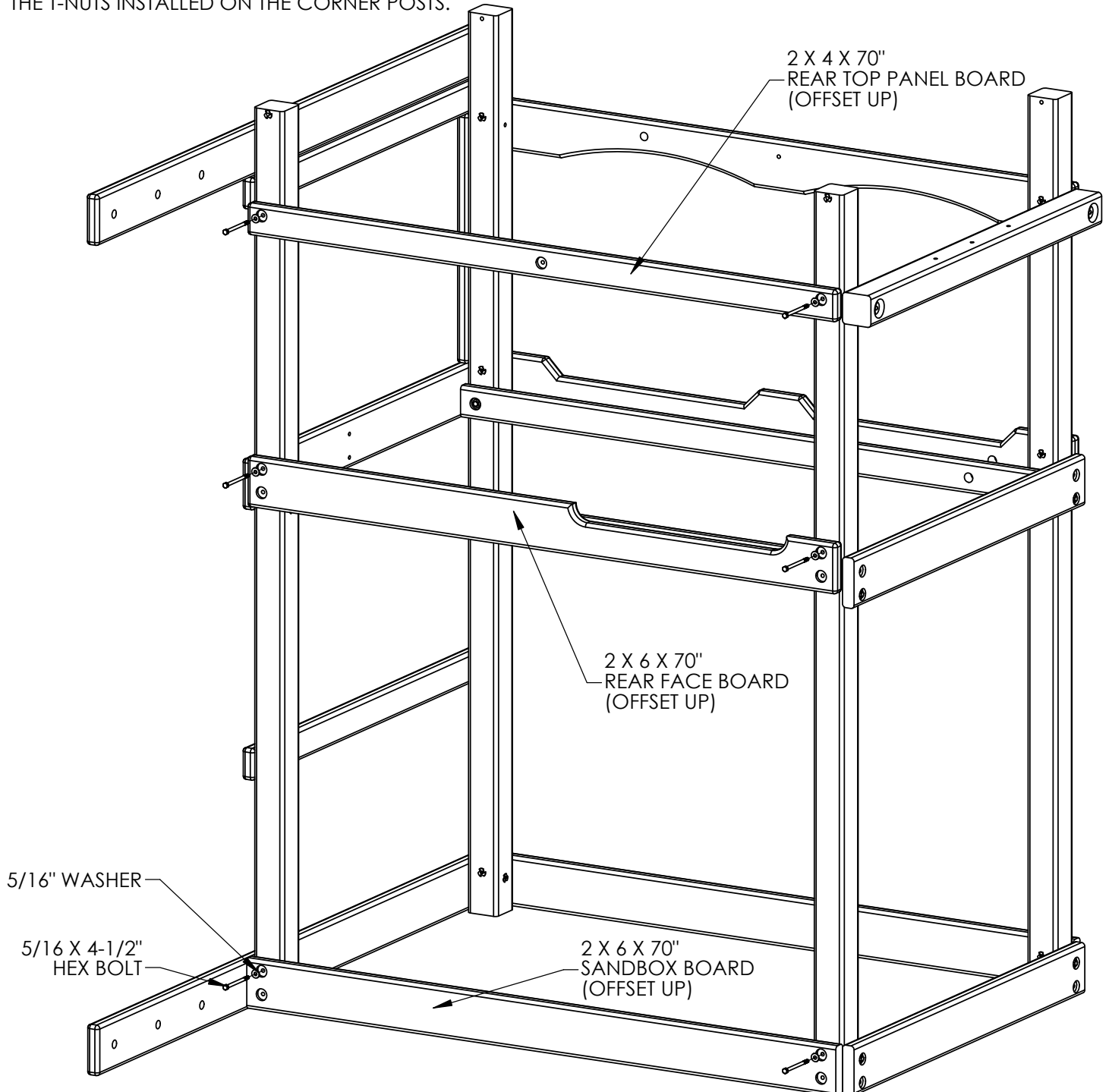
2: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE TOP HOLES OF THE SANDBOX BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS. THE BOTTOM HOLES WILL BE USED LATER.

3: PLACE THE 2 X 6 X 70" REAR FACE BOARD ON THE REAR CORNER POSTS. THE HOLES IN THE FRONT FACE BOARD MUST BE OFFSET UP.

4: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE TOP HOLES OF THE REAR FACE BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS. THE BOTTOM HOLES WILL BE USED LATER.

5: PLACE THE 2 X 4 X 70" REAR TOP PANEL BOARD ON THE REAR CORNER POSTS. THE OUTER HOLES IN THE TOP PANEL BOARD MUST BE OFFSET UP.

6: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE TOP HOLES OF THE REAR TOP PANEL BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS.

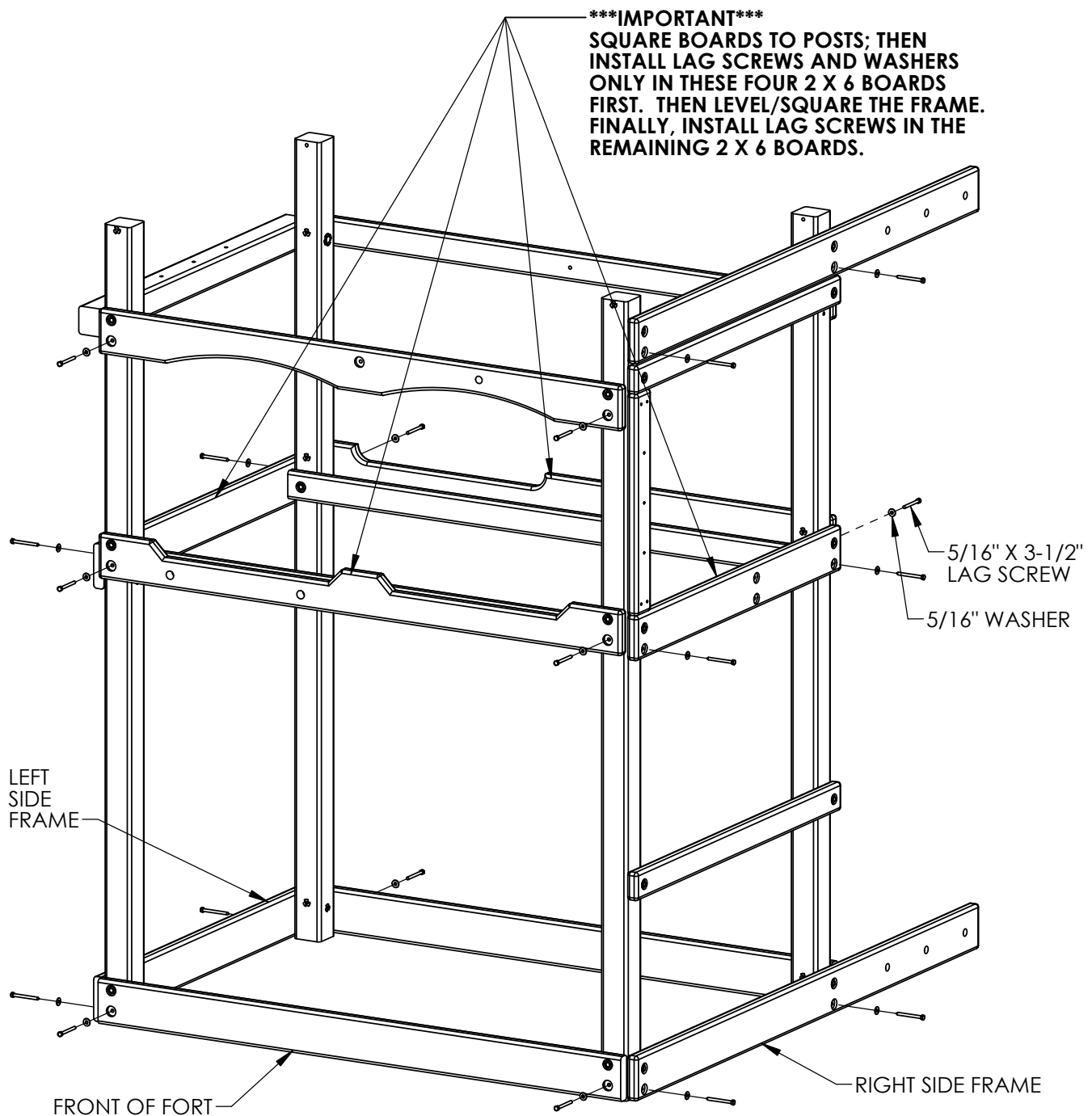


## STEP 6A: LEVELING THE PLAY SET AND LAGS

1: INSTALL LAG SCREWS ONLY IN THE FOUR 2 X 6 BOARDS AT DECK HEIGHT AND THE ROPE LADDER SUPPORT AT THIS TIME. SQUARE EACH OF THESE FOUR BOARDS TO THE POSTS AND THEN INSTALL THE LAG SCREWS. THIS IS TO MAKE THE STRUCTURE RIDGID FOR THE LEVELING AND SQUARING PROCESS.

2: PLACE THE FRAME IN ITS FINAL POSITION AND FOLLOW THE PROCEDURES AT THE FRONT OF THE MANUAL TO LEVEL AND SQUARE THE STRUCTURE. HAVE AN ASSISTANT HELP YOU LIFT THE FRAME AS REQUIRED. **DO NOT** INSTALL REMAINING LAG SCREWS UNTIL AFTER THE FRAME HAS BEEN LEVELED AND SQUARED.

3: ONCE THE FRAME IS LEVEL, SQUARE AND SET INTO POSITION; GO BACK AND INSERT THE 5/16" X 3-1/2" LAG SCREWS AND 5/16" WASHERS IN ALL THE REMAINING HOLES OF THE 2 X 6 PARTS ON THE FRONT, SIDES AND REAR OF THE PLAY SET. NOTE: THERE WILL NOT BE ANY PREDRILLED HOLES IN THE CORNER POSTS FOR THE LAG SCREWS.



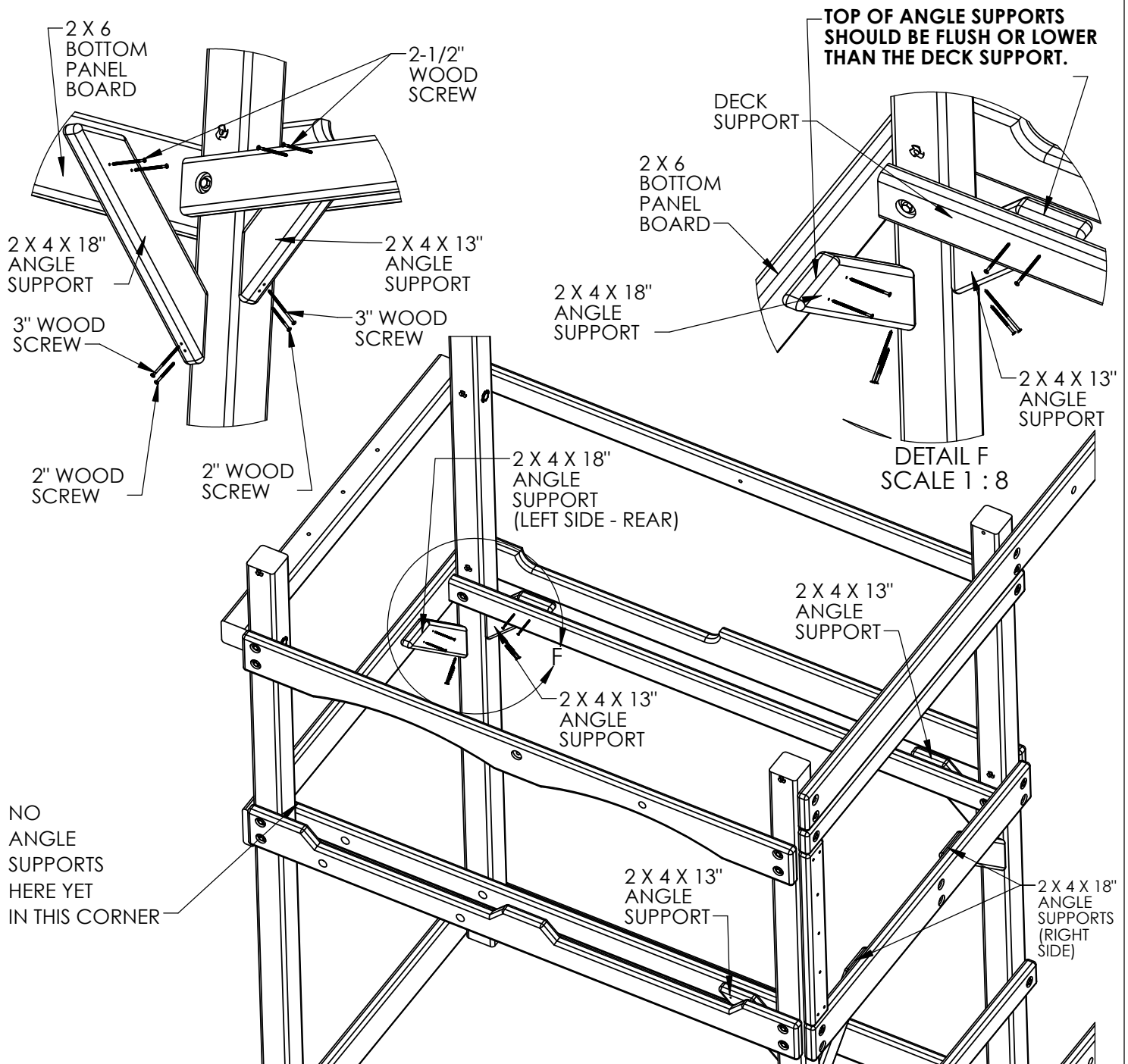
## STEP 6B: ANGLE SUPPORTS

1: ONE 2 X 4 X 18" ANGLE SUPPORT IS MOUNTED UNDER THE DECK ON THE LEFT REAR OF THE PLAY SET TO THE 2 X 6 BOTTOM PANEL BOARD. TWO MORE 18" ANGLE SUPPORTS ARE MOUNTED UNDER THE DECK ON THE RIGHT SIDE TO THE BOTTOM FRAME BOARD. **THE TOP OF THE ANGLE SUPPORT SHOULD BE FLUSH OR LOWER THAN THE TOP OF THE DECK SUPPORT.**

2: AT THE TOP USE 2-1/2" WOOD SCREWS THROUGH THE ANGLE SUPPORT INTO THE BOTTOM PANEL BOARD OR BOTTOM FRAME BOARD. AT THE BOTTOM USE ONE 2" AND ONE 3" WOOD SCREW TO FASTEN THE ANGLE SUPPORT TO THE CORNER POST.

3: THREE 2 X 4 X 13" ANGLE SUPPORTS ARE MOUNTED UNDER THE DECK ON THE FRONT AND REAR OF THE PLAY SET TO THE 2 X 4 DECK SUPPORTS. **THE TOP OF THE ANGLE SUPPORT SHOULD BE FLUSH OR LOWER THAN THE TOP OF THE DECK SUPPORT.**

4: AT THE TOP USE 2-1/2" WOOD SCREWS THROUGH THE DECK SUPPORT INTO THE ANGLE SUPPORT. AT THE BOTTOM USE ONE 2" AND ONE 3" WOOD SCREW TO FASTEN THE ANGLE SUPPORT TO THE CORNER POST.





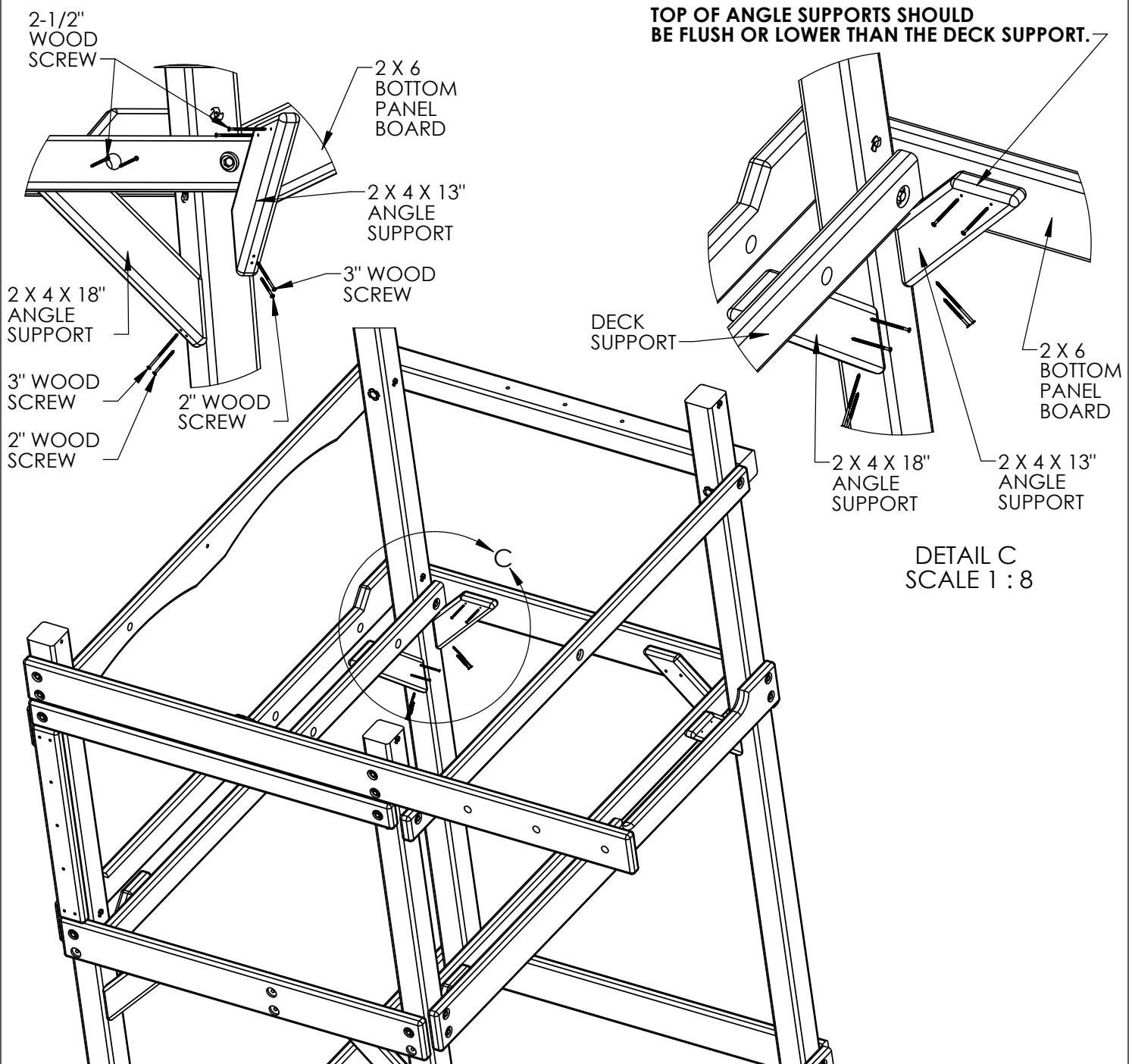
## STEP 6C: ANGLE SUPPORTS

1: ONE 2 X 4 X 18" ANGLE SUPPORT IS MOUNTED UNDER THE DECK ON THE LEFT FRONT OF THE PLAY SET TO THE DECK SUPPORT. **THE TOP OF THE ANGLE SUPPORT SHOULD BE LOWER THAN THE TOP OF THE DECK SUPPORT; POSITION SO HOLE IS NOT COVERED.**

2: AT THE TOP USE 2-1/2" WOOD SCREWS THROUGH THE DECK SUPPORT INTO THE ANGLE SUPPORT. AT THE BOTTOM USE ONE 2" AND ONE 3" WOOD SCREW TO FASTEN THE ANGLE SUPPORT TO THE CORNER POST.

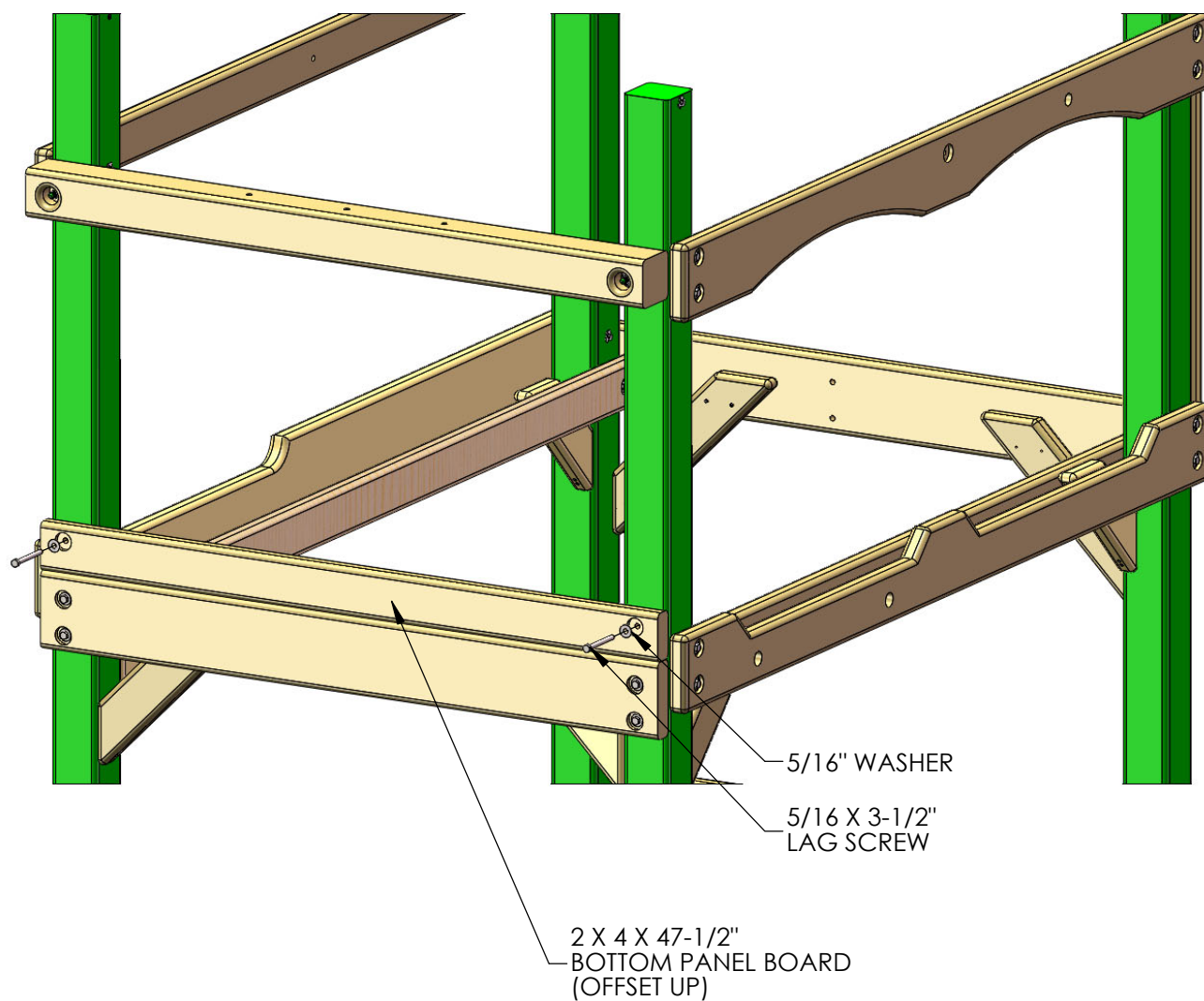
3: ONE 2 X 4 X 13" ANGLE SUPPORT IS MOUNTED UNDER THE DECK ON THE LEFT SIDE THE FRONT OF THE PLAY SET TO THE 2 X 4 DECK SUPPORTS. **THE TOP OF THE ANGLE SUPPORT SHOULD BE FLUSH OR LOWER THAN THE TOP OF THE DECK SUPPORT.**

4: AT THE TOP USE 2-1/2" WOOD SCREWS THROUGH THE ANGLE SUPPORT INTO THE 2 X 6 BOTTOM PANEL BOARD. AT THE BOTTOM USE ONE 2" AND ONE 3" WOOD SCREW TO FASTEN THE ANGLE SUPPORT TO THE CORNER POST.



## STEP 7: BOTTOM PANEL BOARD

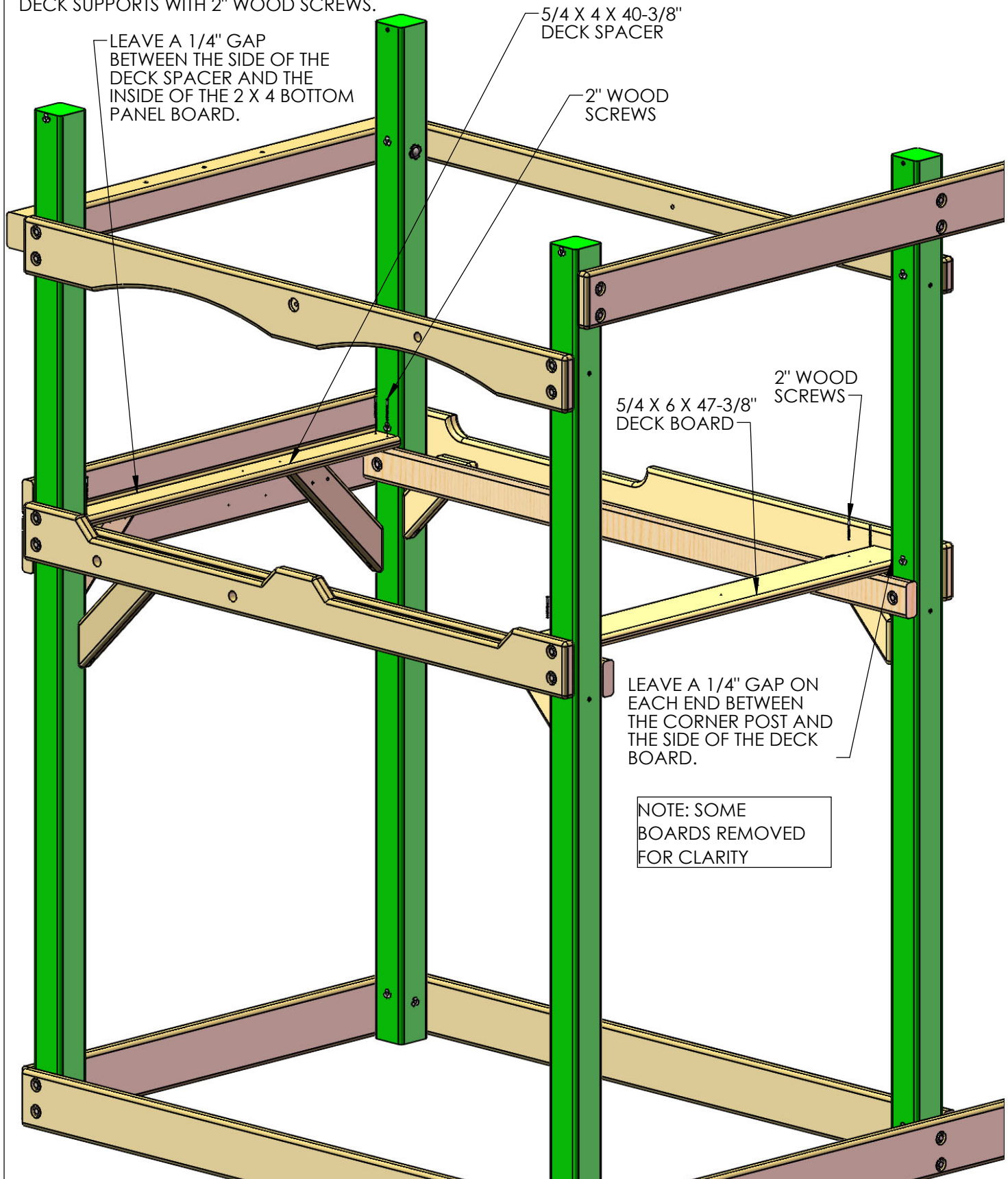
1: PLACE THE 2 X 4 X 47-1/2" PANEL BOARD ON TOP OF THE 2 X 6 PANEL BOARD WITH OFFSET HOLES UP AND FASTEN TO THE CORNER POSTS WITH 5/16 X 3-1/2" LAG SCREWS WITH 5/16" WASHERS.



## STEP 8: DECK SPACER AND DECK BOARD

1: PLACE THE 5/4 X 4 X 40-3/8" DECK SPACER BETWEEN THE CORNER POSTS ON THE LEFT SIDE OF THE FORT. LEAVE A 1/4" GAP BETWEEN THE SIDE OF THE DECK SPACER AND THE INSIDE OF THE 2 X 4 BOTTOM PANEL BOARD. FASTEN THE DECK SPACER TO THE DECK SUPPORTS WITH FOUR 2" WOOD SCREWS.

2: PLACE THE 5/4 X 6 X 47-3/8" DECK BOARD NEAR THE CORNER POSTS ON THE RIGHT SIDE OF THE FORT LEAVING A 1/4" GAP BETWEEN THE CORNER POSTS AND THE SIDE OF THE DECK BOARD. FASTEN THE DECK BOARD TO THE DECK SUPPORTS WITH 2" WOOD SCREWS.



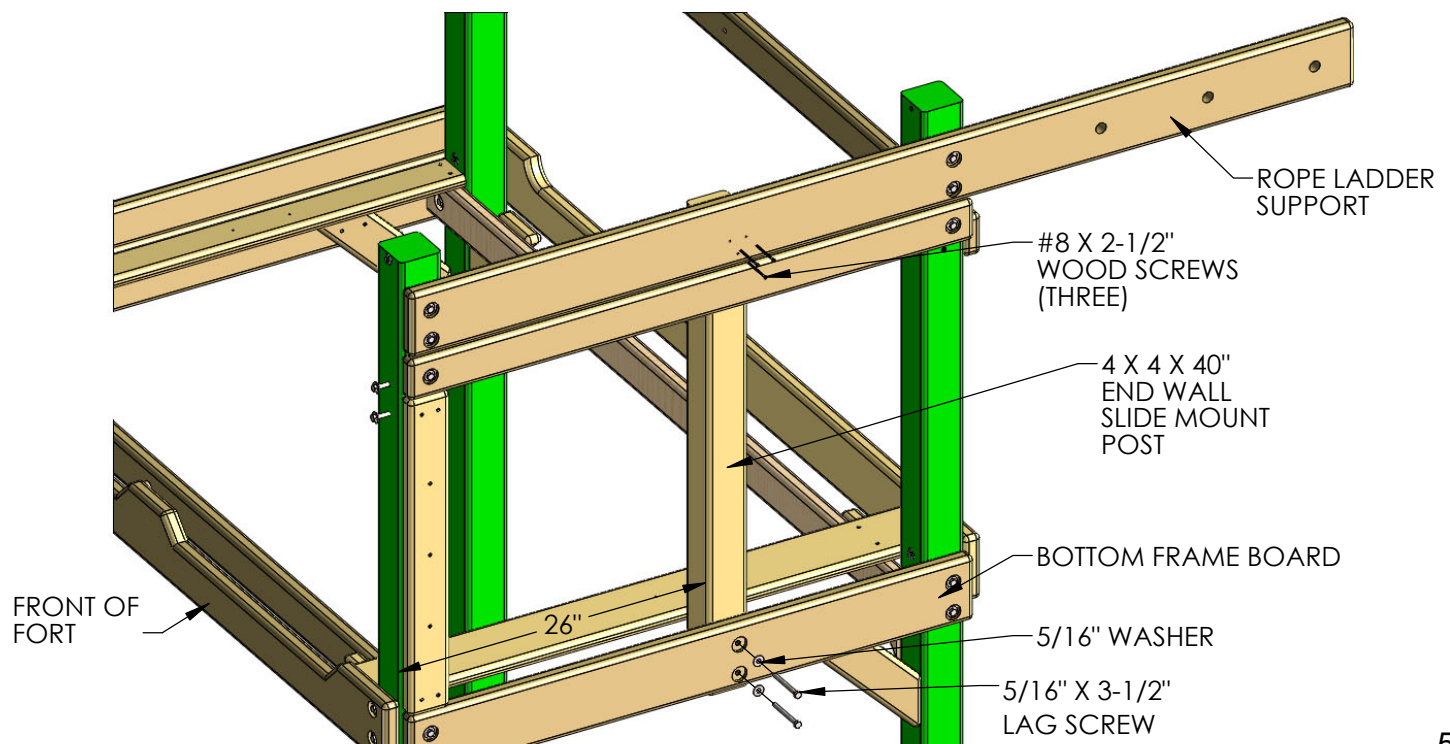
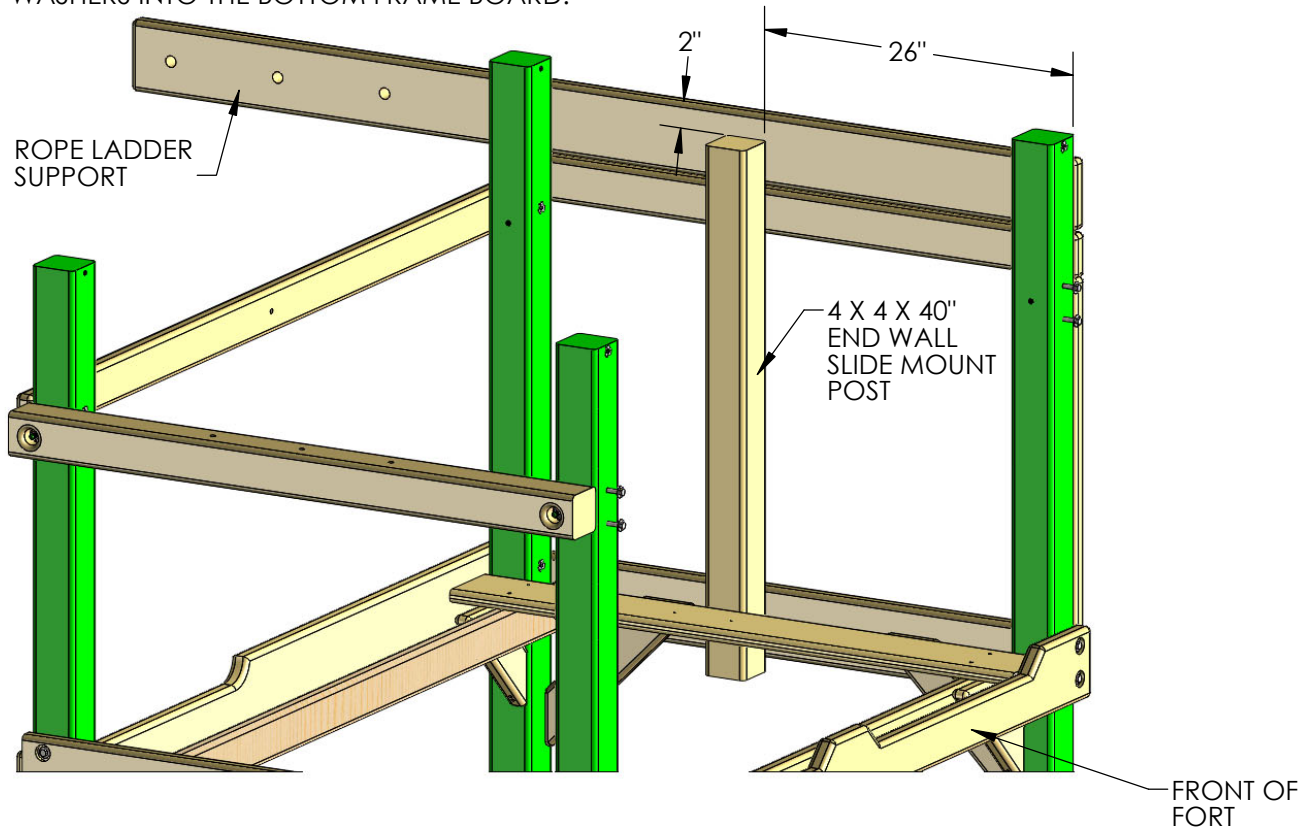
## STEP 9: END WALL SLIDE MOUNT POST

1: FIND THE 4 X 4 X 40" END WALL SLIDE MOUNT POST.

2: MEASURE 26" INCHES FROM THE FRONT OF THE FRONT RIGHT CORNER POST AND MARK THE MEASUREMENT ON THE INSIDE OF THE 2 X 6 X 79-1/2" ROPE LADDER SUPPORT. MEASURE DOWN 2" FROM THE TOP OF THE ROPE LADDER SUPPORT AND MARK THE MEASUREMENT ON THE INSIDE. ALIGN THE TOP AND SIDE OF THE END WALL SLIDE MOUNT POST WITH THE MARKS.

3: USE THREE 2-1/2" WOOD SCREWS TO ATTACH THE END WALL SLIDE MOUNT POST TO THE ROPE LADDER SUPPORT FROM THE OUTSIDE OF THE ROPE LADDER SUPPORT.

4: DOUBLE CHECK THE 26" DIMENSION AT THE BOTTOM OF THE POST. THEN INSTALL 5/16" X 3-1/2" LAG SCREWS WITH 5/16" WASHERS INTO THE BOTTOM FRAME BOARD.





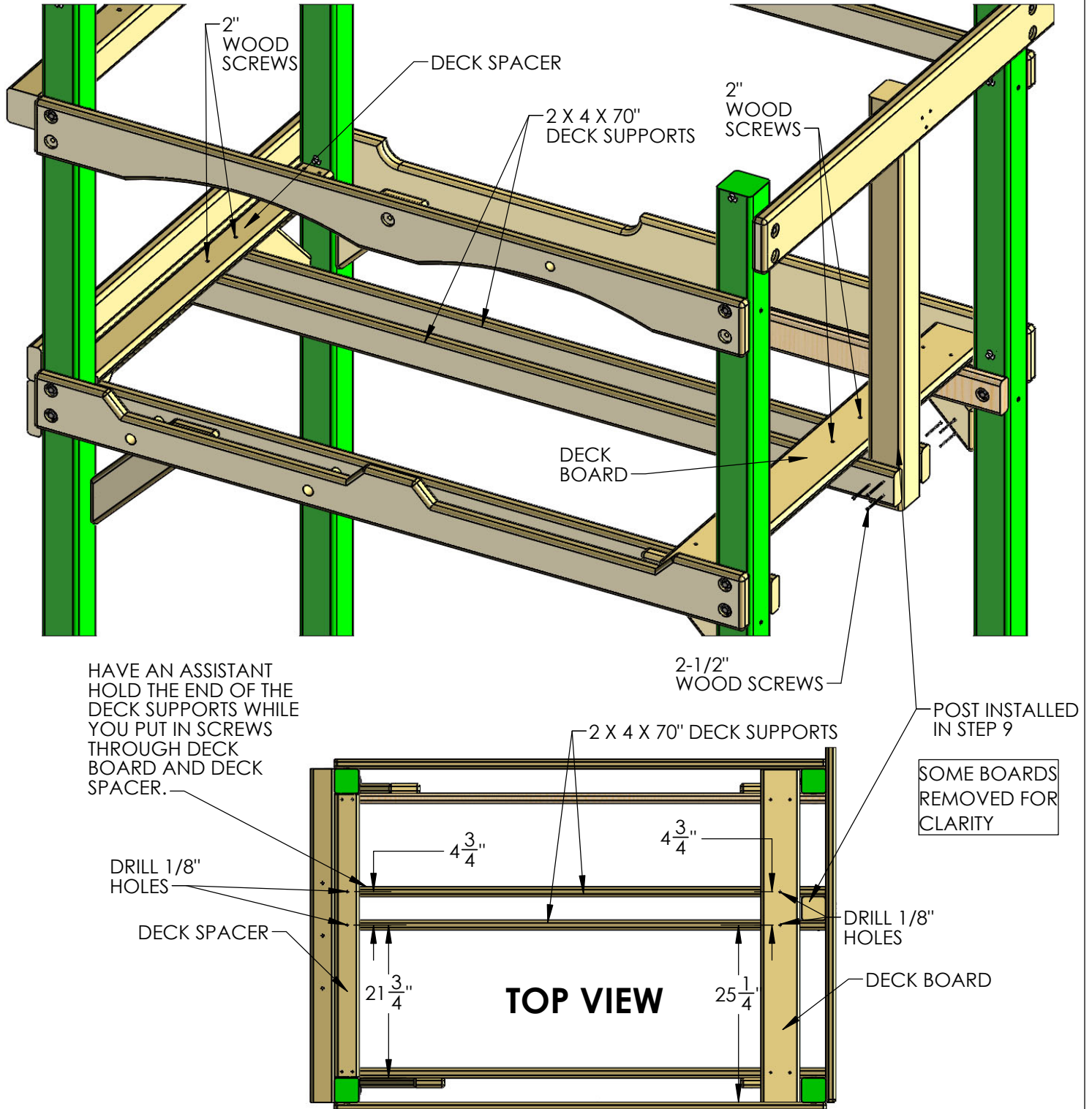
## STEP 10: DECK SUPPORTS

1: PLACE TWO 2 X 4 X 70" DECK SUPPORTS UNDER THE DECK BOARD/DECK SPACER AND BESIDE THE POST. HAVE AN ASSISTANT HOLD UP THE END OF THE DECK SUPPORT ON THE LEFT END. THE LEFT END SHOULD BE FLUSH AGAINST THE 2 X 6 BOTTOM PANEL BOARD. THE END CLOSEST TO THE POST INSTALLED IN STEP 9 SHOULD BE FLUSH WITH THE INSIDE OF THE BOTTOM FRAME BOARD (NOT SHOWN FOR CLARITY). ATTACH EACH DECK SUPPORT TO THE POST WITH THREE 2-1/2" WOOD SCREWS.

2: DRILL 1/8" PILOT HOLES THROUGH THE DECK BOARD AND DECK SPACER AS SHOWN IN THE TOP VIEW BELOW.

3: SECURE 2" WOOD SCREWS THROUGH THE DECK BOARD INTO THE DECK SUPPORTS.

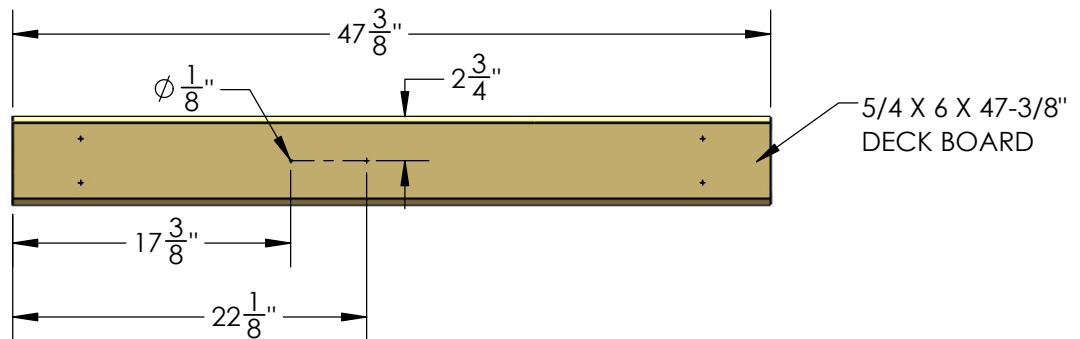
4: NOW SECURE THE FAR END OF THE DECK SUPPORTS TO THE DECK SPACER WITH 2" WOOD SCREWS.



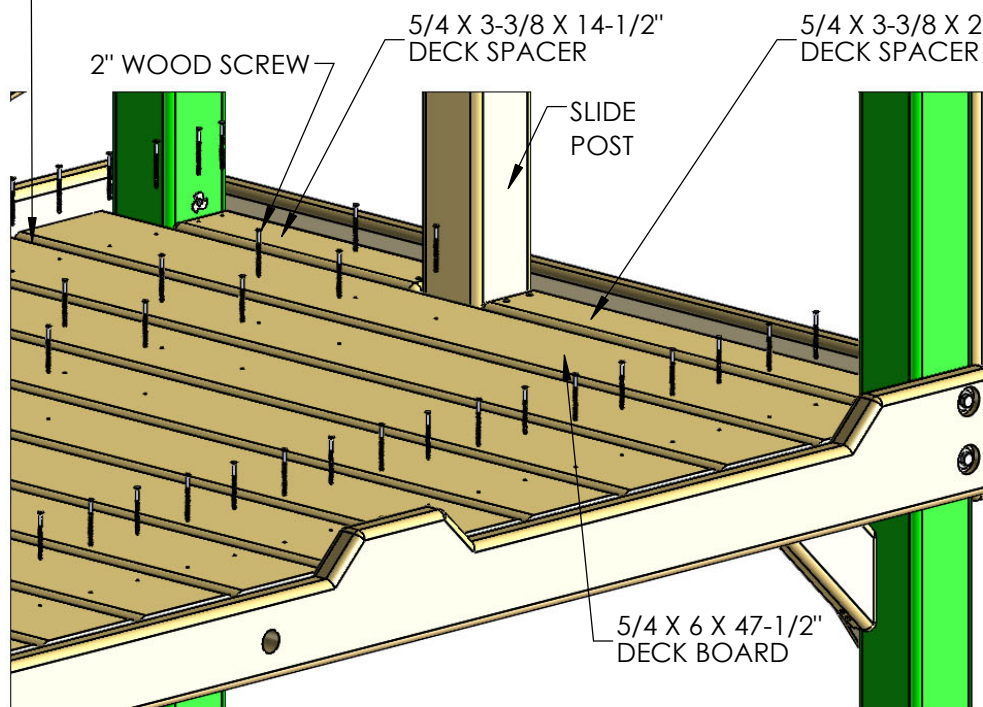
## STEP 10A: DECK BOARDS

THE FOLLOWING STEP IS RECOMMENDED TO PREVENT POSSIBLE SPLITS IN THE WOOD

1: PRE-DRILL THE MIDDLE TWO HOLES FOR ALL OF THE DECK BOARDS TO PREVENT INSTALLATION DAMAGE. PRE-DRILL WITH A 1/8" DRILL BIT AT THE DIMENSIONS SHOWN BELOW. **TIP:** PLACE A SCRAP PIECE OF WOOD UNDER THE DRILL LOCATION TO PREVENT WOOD TEAR-OUT ON THE BOTTOM SIDE.



3/8" GAP BETWEEN DECK BOARDS. (TIP: USE A 3/8" CARRIAGE BOLT AS A SPACER.)



2: START WITH A 5/4 X 6 X 47-3/8" DECK BOARD AT THE SLIDE POST END OF THE FORT. CENTER THE BOARD BETWEEN THE FRONT FACE BOARD AND THE REAR FACE BOARD. LEAVE A 3/8" GAP BETWEEN DECK BOARDS. ATTACH IT WITH 2" WOOD SCREWS THROUGH THE PREDRILLED HOLES AND INTO THE DECK SUPPORTS/CENTER DECK SUPPORTS BELOW.

LEAVE A UNIFORM (APPROX. 3/8") SPACE BETWEEN THE DECK BOARDS. NOTE: THE TOP OF THE SCREW HEAD SHOULD BE FLUSH TO THE TOP OF THE DECK BOARDS.

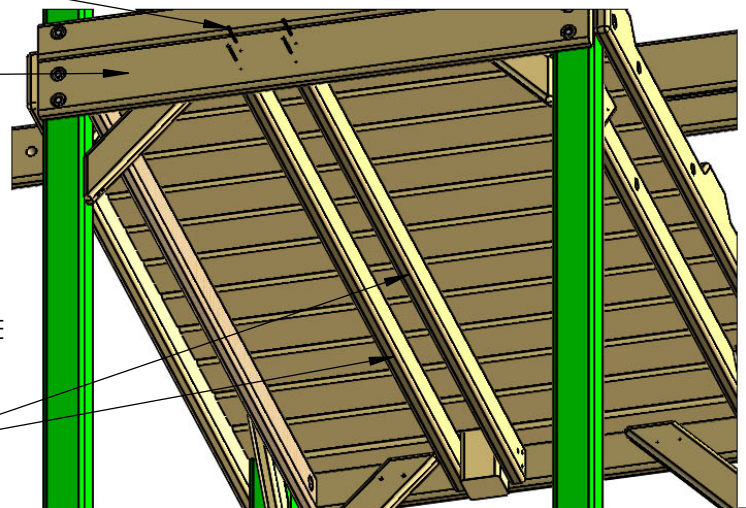
USE 2-1/2" WOOD SCREWS IN THESE LOCATIONS

2 X 6 BOTTOM PANEL BOARD

3: USING TWO 2-1/2" WOOD SCREWS, ATTACH THE 2 X 4 X 70" CENTER DECK SUPPORTS TO THE 2 X 6 BOTTOM PANEL BOARD.

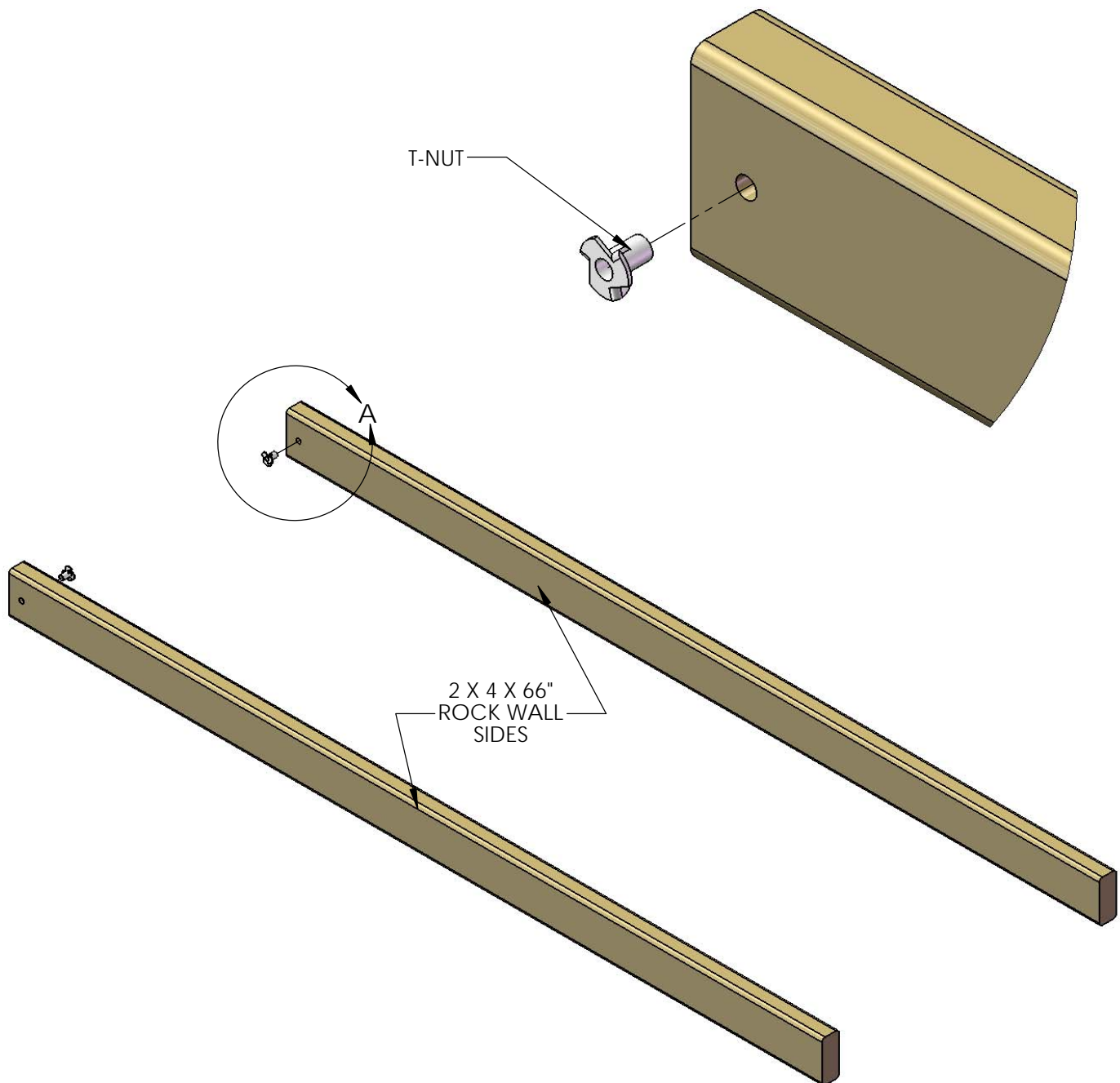
4: FASTEN DECK SPACERS AND DECK BOARDS TO THE CENTER DECK SUPPORTS WITH 2" WOOD SCREWS.

CENTER DECK SUPPORTS



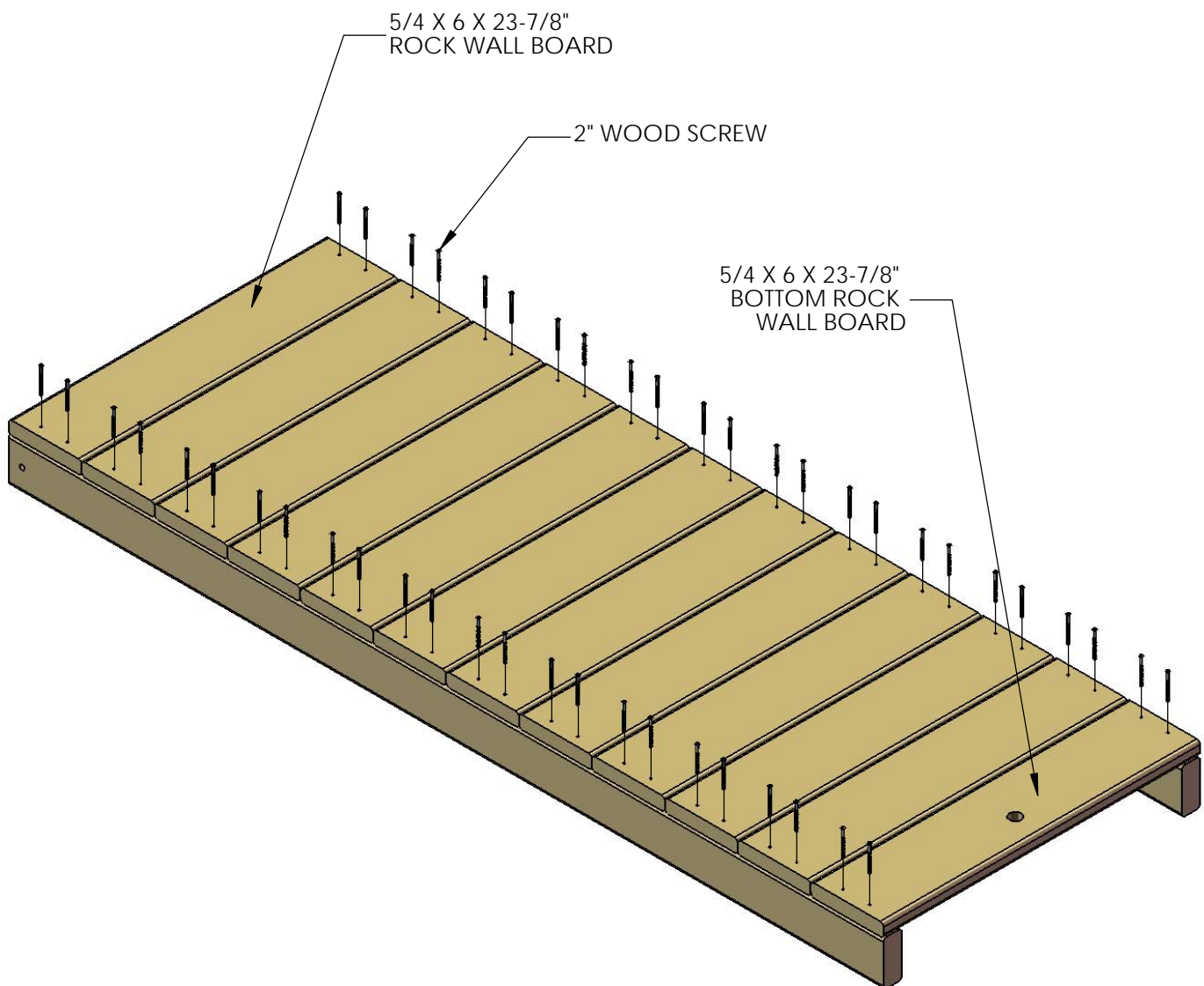
## STEP 11: ROCK WALL

- 1: FIND TWO 2 X 4 X 66" ROCK WALL SIDES.
- 2: POSITION THE ROCK WALL SIDES SO THAT THE HOLES IN THE BOARDS ARE BOTH FACING THE SAME WAY.
- 3: INSERT T-NUTS INTO THE INSIDE OF THE ROCK WALL SIDES AND SET WITH A HAMMER.



## STEP 12: ROCK WALL

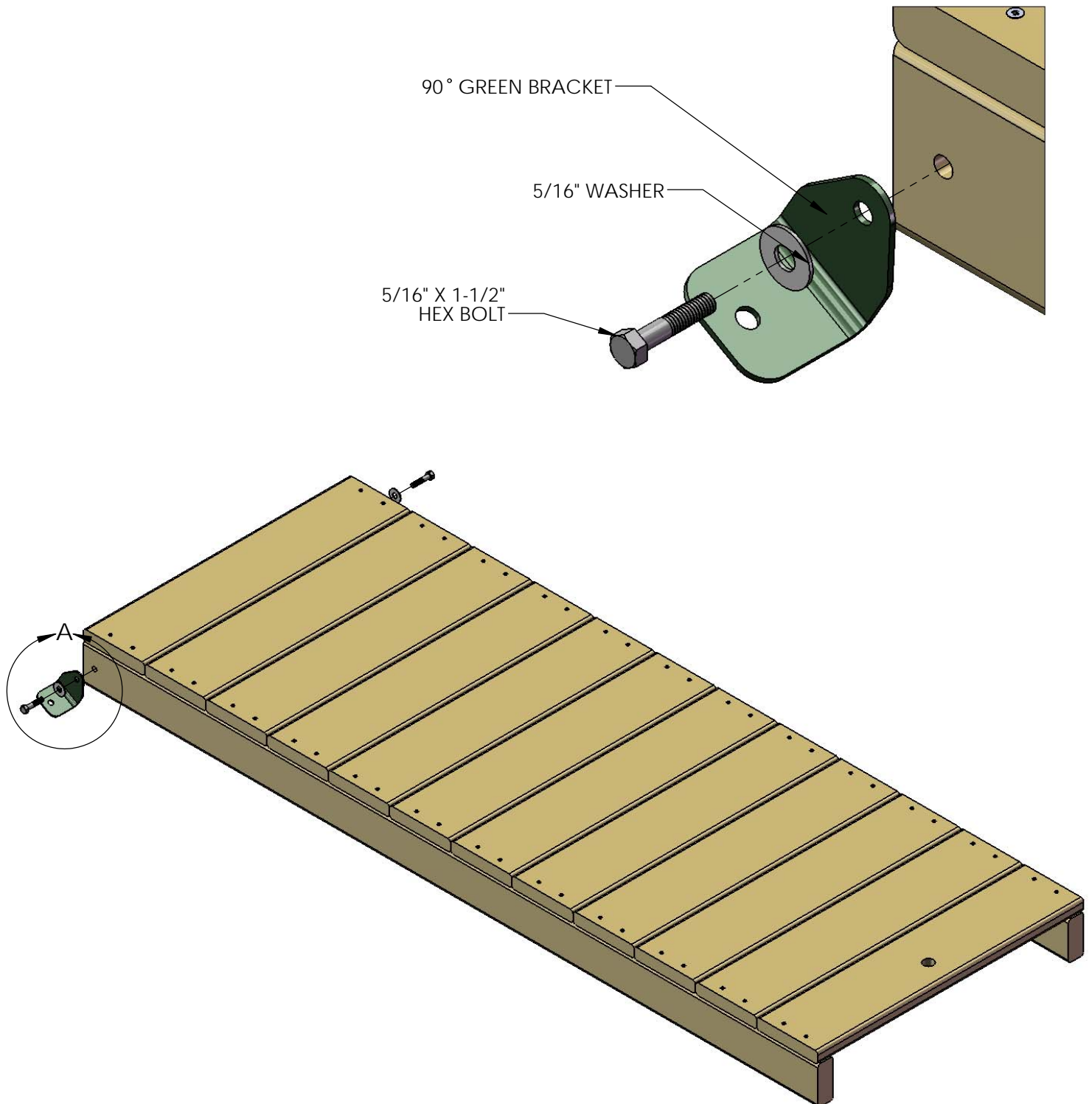
- 1: FIND ELEVEN 5/4 X 6 X 23-7/8" ROCK WALL BOARDS, AND ONE 5/4 X 6 X 23-7/8" BOTTOM ROCK WALL BOARD(1 HOLE).
- 2: STARTING FROM THE TOP, PLACE ONE ROCK WALL BOARD ON TOP OF THE ROCK WALL SIDES, FLUSH TO THE TOP OF THE ROCK WALL SIDES, AND ATTACH WITH TWO 2" WOOD SCREWS IN EACH SIDE.
- 3: CONTINUE DOWN THE ROCK WALL WITH THE REMAINING ROCK WALL BOARDS, FASTENING EACH BOARD WITH TWO 2" WOOD SCREWS ON EACH END.
- 4: THE FINAL BOARD WILL BE THE BOTTOM ROCK WALL BOARD WITH ONE HOLE. ATTACH WITH TWO 2" WOOD SCREWS PER SIDE.
- 5: IN SOME CASES, THERE WILL BE EXCESS LENGTH ON THE ROCK WALL SIDES. THIS IS DUE TO MILLING VARIATIONS, AND IS ALSO USED TO HELP LEVEL THE ROCK WALL SIDES ON UNEVEN GROUND.
- 6: ROCK WALL SIDES MAY NOT BE EVEN WITH THE BOTTOM ROCK WALL BOARD DUE TO MILLING VARIATIONS AND WOOD SHRINKAGE.





## STEP 13: ROCK WALL

- 1: FASTEN THE 90° GREEN BRACKET TO THE ROCK WALL SIDES WITH 5/16" X 1-1/2" HEX BOLTS AND 5/16" WASHERS.
- 2: DO NOT FULLY TIGHTEN THE HEX BOLTS INTO THE T-NUTS AT THIS TIME.

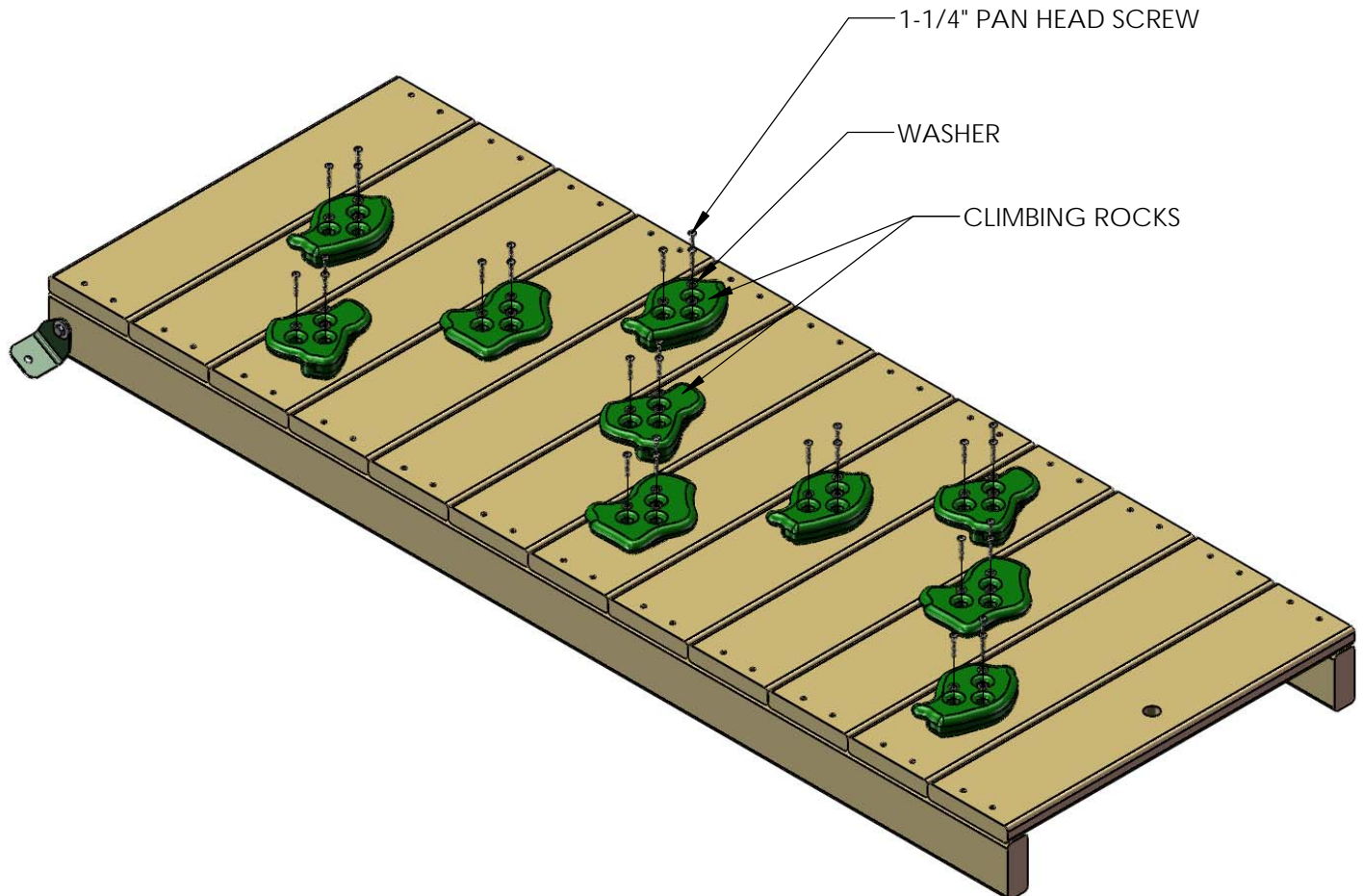


## STEP 14: ROCK WALL

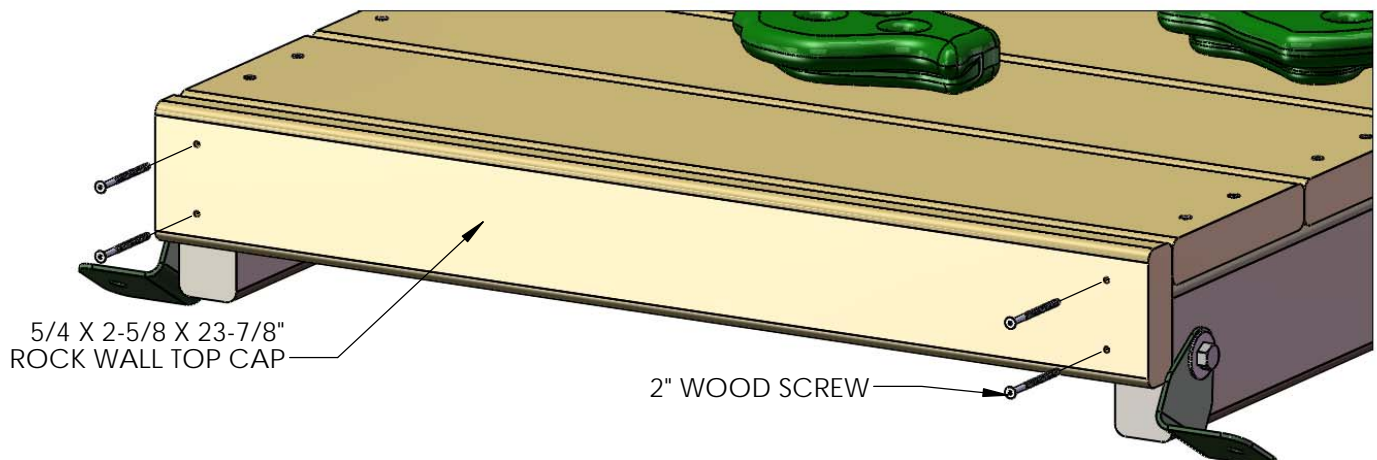
1: FIND TEN ROCKS AND THIRTY 1-1/4" PAN HEAD SCREWS AND WASHERS.

2: MOUNT THE ROCKS IN A STAGGERED MANNER ON THE ROCK WALL BOARDS. THREE PAN HEAD SCREWS WITH 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!

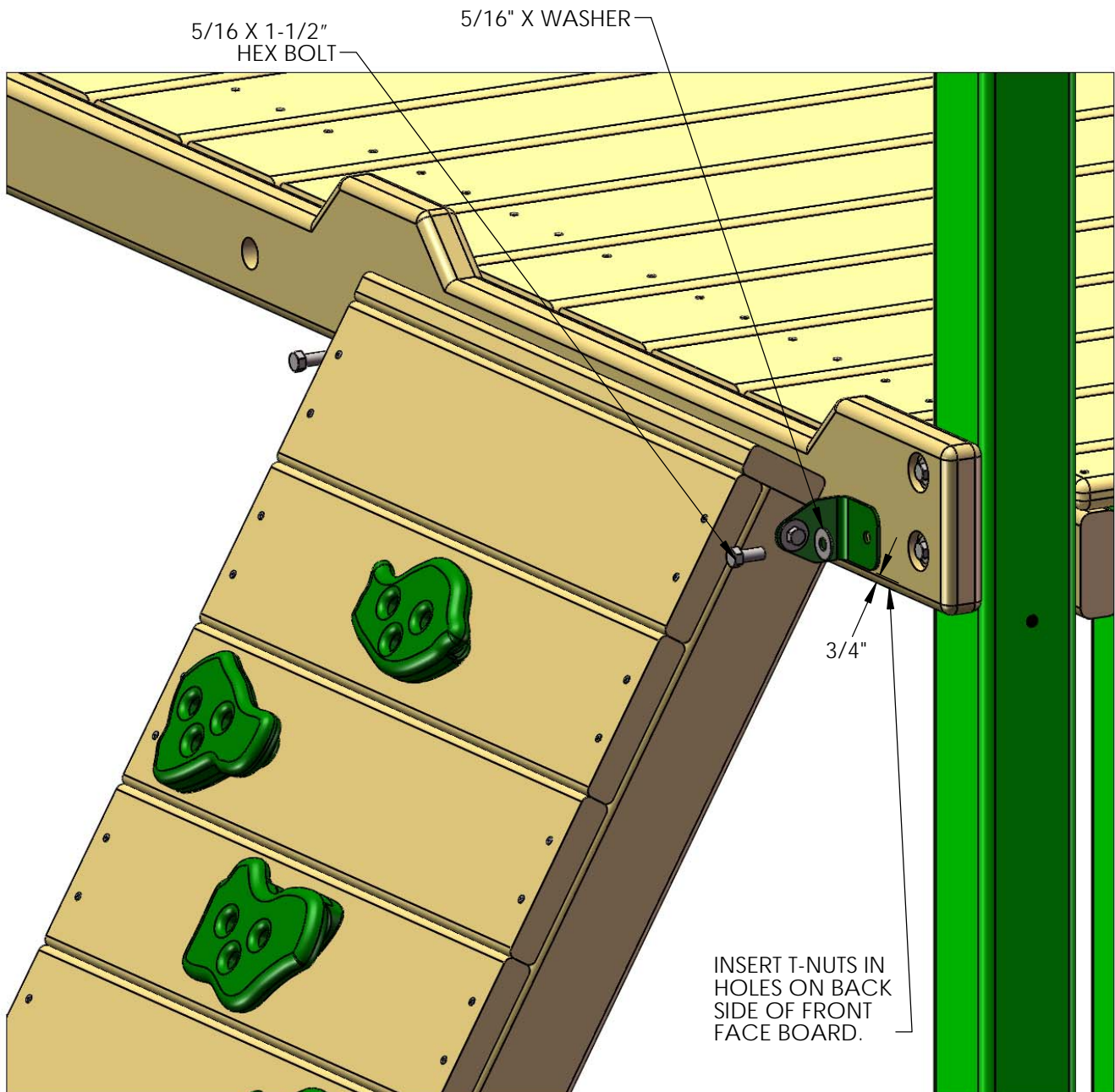


3: PLACE THE 5/4 X 2-5/8 X 23-7/8" ROCK WALL TOP CAP ON TOP OF THE ROCK WALL SIDES. FASTEN THE ROCK WALL TOP CAP TO THE ROCK WALL SIDES WITH 2" WOOD SCREWS.



## STEP 15: ATTACHING THE ROCK WALL

- 1: PLACE THE ROCK WALL INTO POSITION ON THE FORT AS SHOWN BELOW. THE BOTTOM OF THE 90 ° BRACKETS SHOULD BE 3/4" FROM THE BOTTOM OF THE FRONT FACE BOARD. USING THE 90 ° BRACKETS AS A TEMPLATE; DRILL A 3/8" HOLE THROUGH THE BOTTOM PANEL BOARD.
- 2: FROM THE UNDERSIDE OF THE DECK INSERT A T-NUT INTO THE BACKSIDE OF THE 3/8" HOLES IN THE FRONT FACE BOARD.
- 3: ATTACH THE ROCK WALL WITH 5/16 X 1-1/2" BOLTS AND 5/16" WASHERS.
- 4: WHEN THE BRACKETS ARE SECURE, AND THE ROCK WALL IS IN ITS FINAL POSITION; TIGHTEN THE 5/16 X 1-1/2" BOLTS ON THE ROCK WALL SIDES.



## STEP 16: LADDER

1: FIND TWO 2 X 4 X 66" LADDER SIDES.

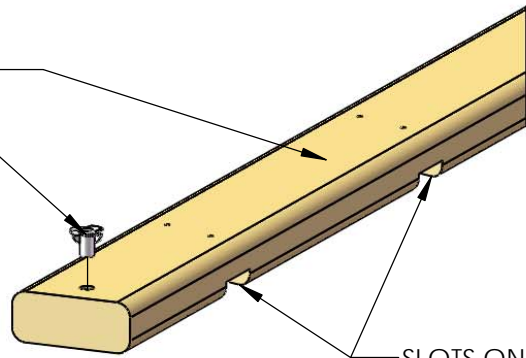
2: POSITION THE LADDER SIDES SO THAT THE SLOTS IN THE BOARDS ARE FACING EACH OTHER AND ARE PARALLEL.

3: INSERT T-NUTS INTO THE OUTSIDE OF THE LADDER SIDES AND SET WITH A HAMMER.

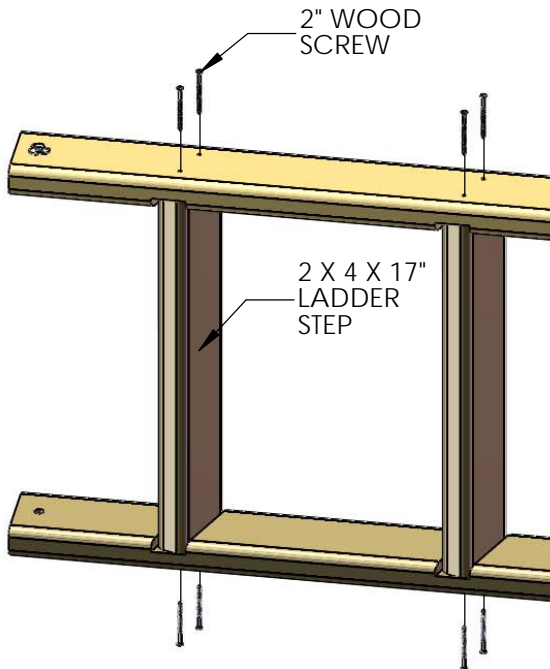
2 X 4 X 66"  
LADDER SIDE

T-NUT

SLOTS ON BOTTOM



2" WOOD  
SCREW

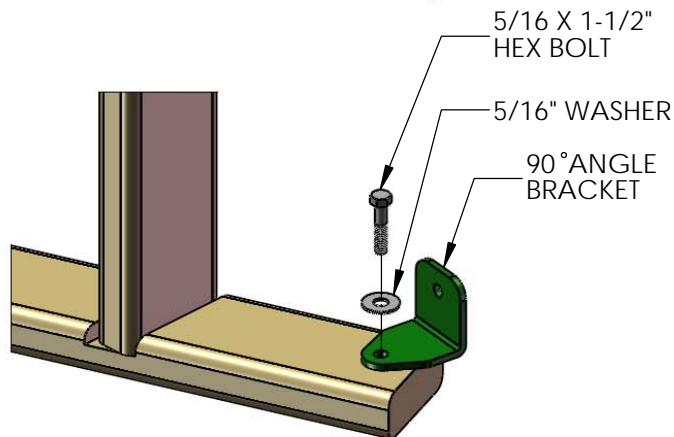


2 X 4 X 17"  
LADDER  
STEP

4: FIND FIVE 2 X 4 X 17" LADDER STEPS.

5: PLACE THE STEPS INTO THE SLOTS ON THE LADDER SIDES, AND FASTEN WITH 2" WOOD SCREWS.

6: CAREFULLY TURN THE LADDER OVER AND PUT THE SCREWS INTO THE OTHER SIDE.



5/16 X 1-1/2"  
HEX BOLT

5/16" WASHER

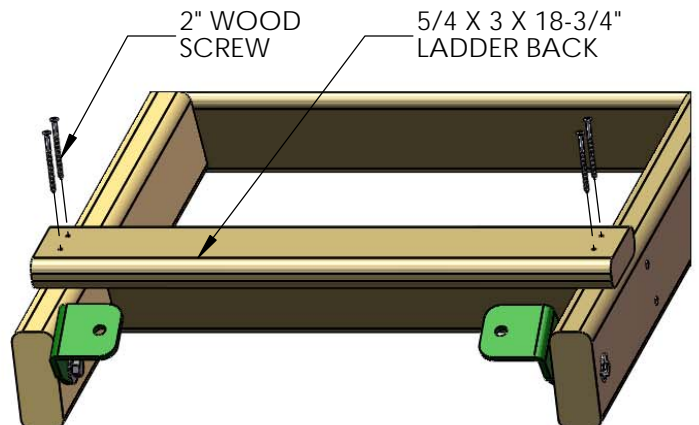
90° ANGLE  
BRACKET

7: INSTALL THE 90° ANGLE BRACKETS TO THE INSIDE OF THE LADDER RAILS WITH 5/16 X 1-1/2" BOLTS, 5/16 WASHERS, INTO THE 5/16" T-NUTS.

8: INSTALL THE 5/4 X 3 X 18-3/4" LADDER BACK ABOVE THE TOP STEP OF THE LADDER WITH TWO 2" WOOD SCREWS PER SIDE.

2" WOOD  
SCREW

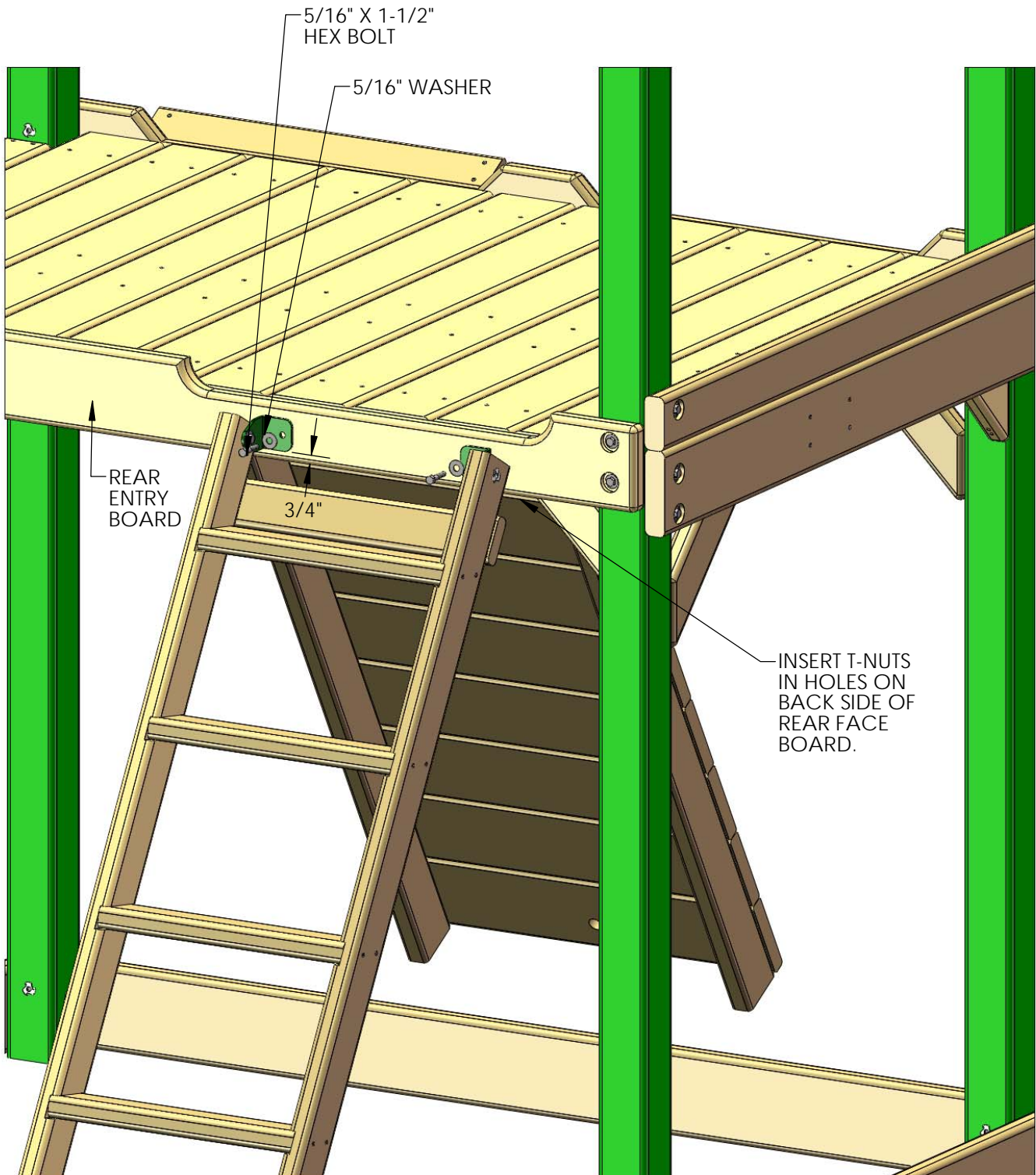
5/4 X 3 X 18-3/4"  
LADDER BACK





## STEP 17: LADDER TO FORT

- 1: CENTER THE LADDER IN THE OPENING OF THE REAR FACE BOARD ON THE REAR OF THE FORT AS SHOWN BELOW. THE BOTTOM OF THE 90° BRACKETS SHOULD BE 3/4" ABOVE THE BOTTOM OF THE REAR FACE BOARD. USING THE LADDER BRACKETS AS A TEMPLATE, DRILL A 3/8" HOLE THROUGH THE REAR FACE BOARD.
- 2: FROM THE UNDERSIDE OF THE DECK INSERT A T-NUT INTO THE BACKSIDE OF THE 3/8" HOLES ON THE REAR FACE
- 3: ATTACH THE LADDER WITH 5/16 X 1-1/2" BOLTS AND 5/16" WASHERS.
- 4: WHEN THE BRACKETS ARE SECURE, AND THE LADDER IS IN ITS FINAL POSITION; TIGHTEN THE 5/16 X 1-1/2" BOLTS ON THE LADDER SIDES.

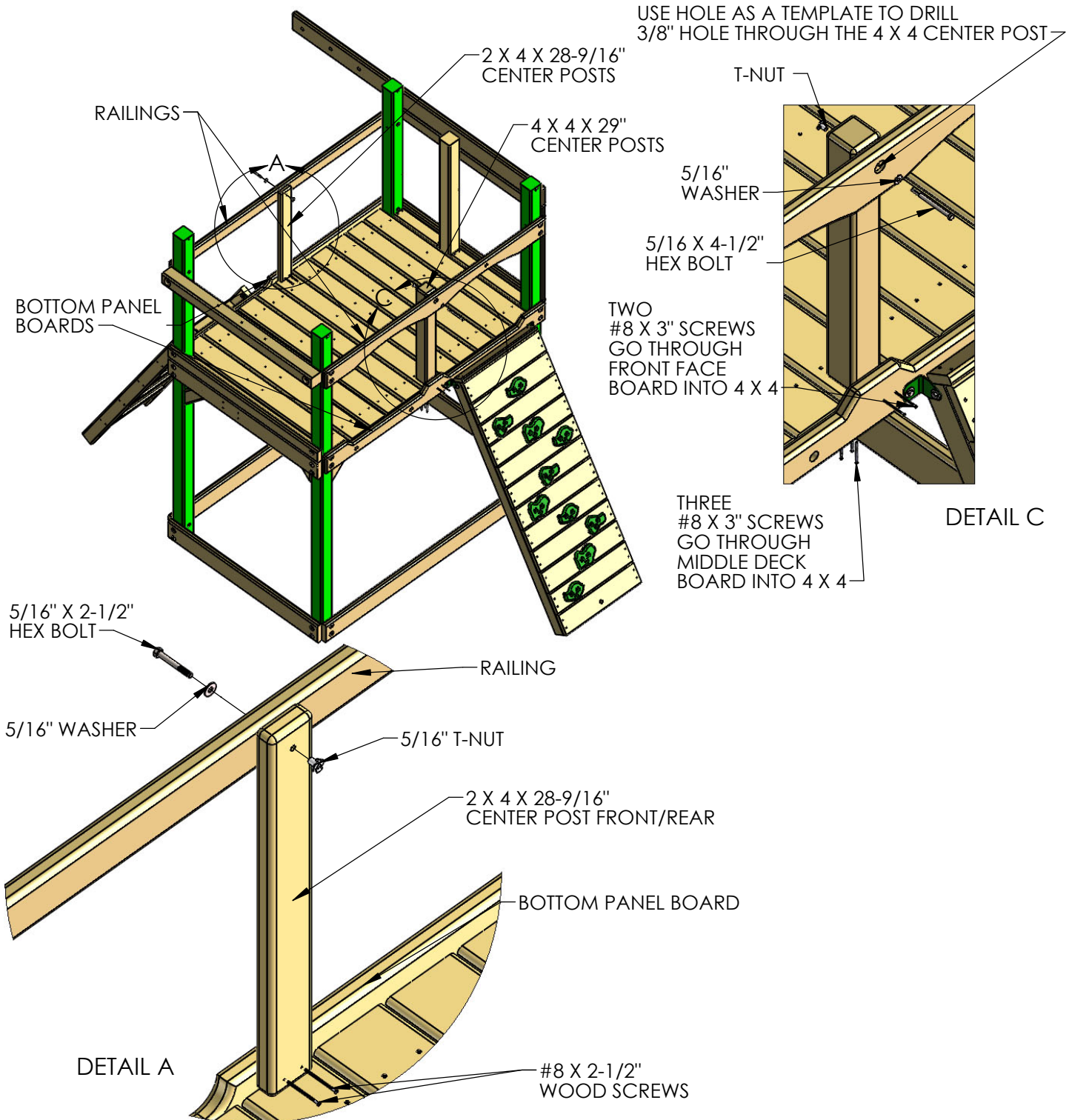


## STEP 18: CENTER POST FRONT/REAR

1: HAMMER A T-NUT INTO THE HOLE OF 2 X 4 X 28-9/16" CENTER POST.

2: PLACE THE CENTER POST INSIDE THE RAILINGS AT THE REAR OF THE PLAYSET. LINE UP THE HOLE IN THE CENTER POST WITH THE HOLES IN THE RAILING. FASTEN THE CENTER POST TO THE RAILING WITH A 5/16" X 2-1/2" HEX BOLT AND A 5/16" WASHER AT THE TOP. SQUARE THE CENTER POST TO THE DECK AND SECURE THE BOTTOM OF THE CENTER POST TO THE BOTTOM PANEL BOARD WITH #8 X 2-1/2" WOOD SCREWS.

3: PLACE THE 4 X 4 X 29" CENTER POST INSIDE THE RAILING AT THE FRONT OF THE PLAYSET. CENTER THE POST BEHIND THE HOLE. USE THE HOLE AS A TEMPLATE TO DRILL A 3/8" HOLE THROUGH THE CENTER POST. HAMMER A T-NUT INTO THE CENTER POST HOLE YOU JUST DRILLED. FASTEN THE CENTER POST TO THE RAILING WITH A 5/16 X 4-1/2" HEX BOLT AND A 5/16" WASHER. SECURE THE BOTTOM OF THE CENTER POST TO THE FRONT FACE BOARD WITH TWO #8 X 3" SCREWS. NOW GO UNDER THE DECK AND SECURE THE CENTER POST TO THE MIDDLE DECK BOARD WITH THREE #8 X 3" SCREWS.



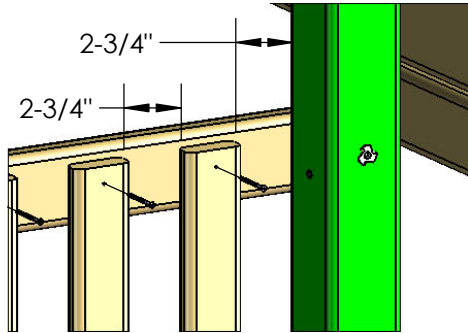
## DEVIATION 1

DO NOT INSTALL PANEL SLATS ON THE SWING BEAM SIDE IN THE NEXT STEP.

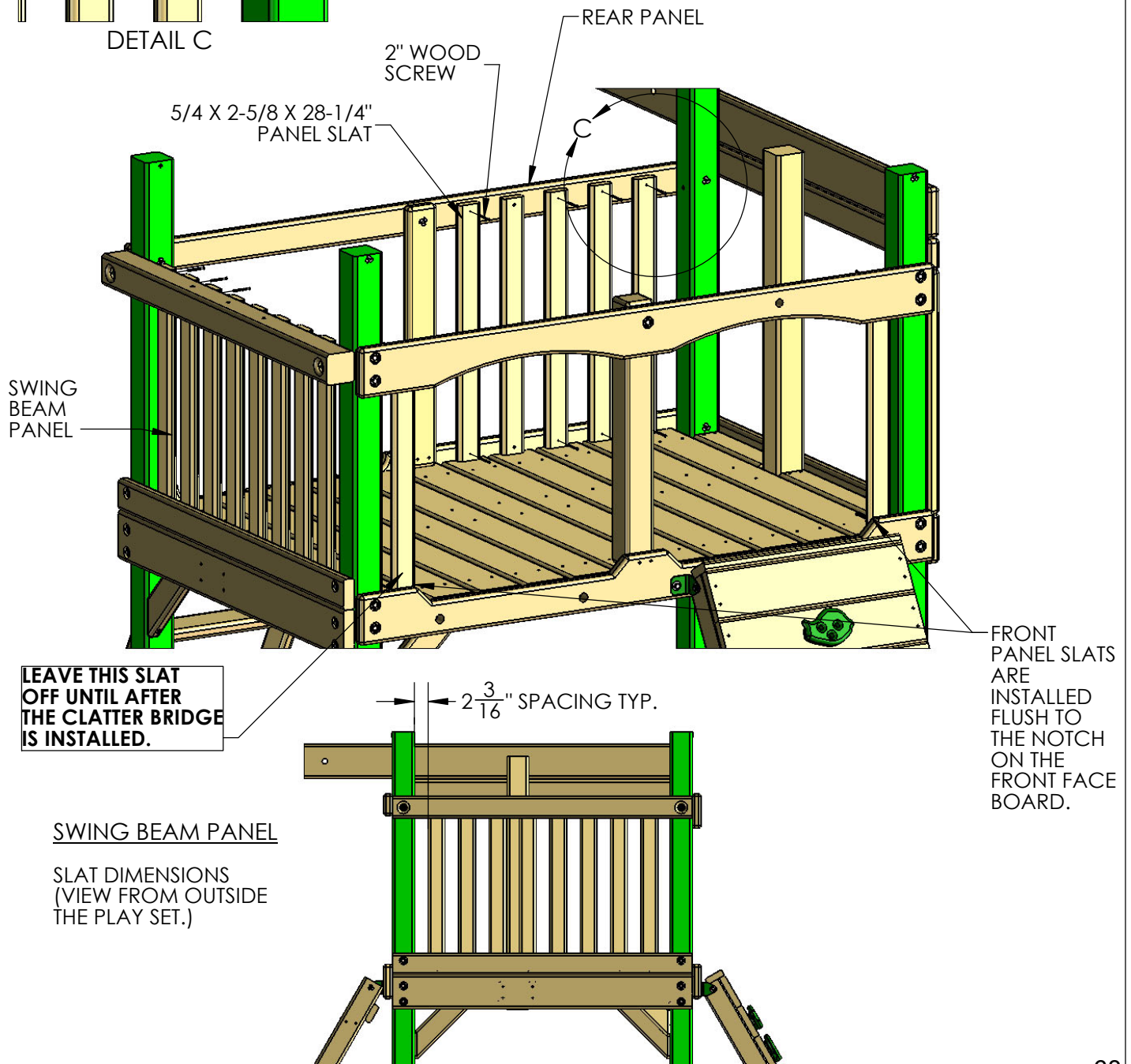
## STEP 19: PANEL SLATS

- 1: FIND FIFTEEN 5/4 X 2-5/8 X 28-1/4" PANEL SLATS.
- 2: INSTALL THE PANEL SLATS WITH EQUAL GAPS. SEE DETAIL BELOW FOR MEASUREMENTS.
- 3: ATTACH THE PANEL SLATS TO THE FORT WITH 2" WOOD SCREWS IN THE PRE-DRILLED HOLES.

### REAR PANEL SLAT SPACING



DETAIL C



SWING BEAM PANEL

SLAT DIMENSIONS  
(VIEW FROM OUTSIDE  
THE PLAY SET.)



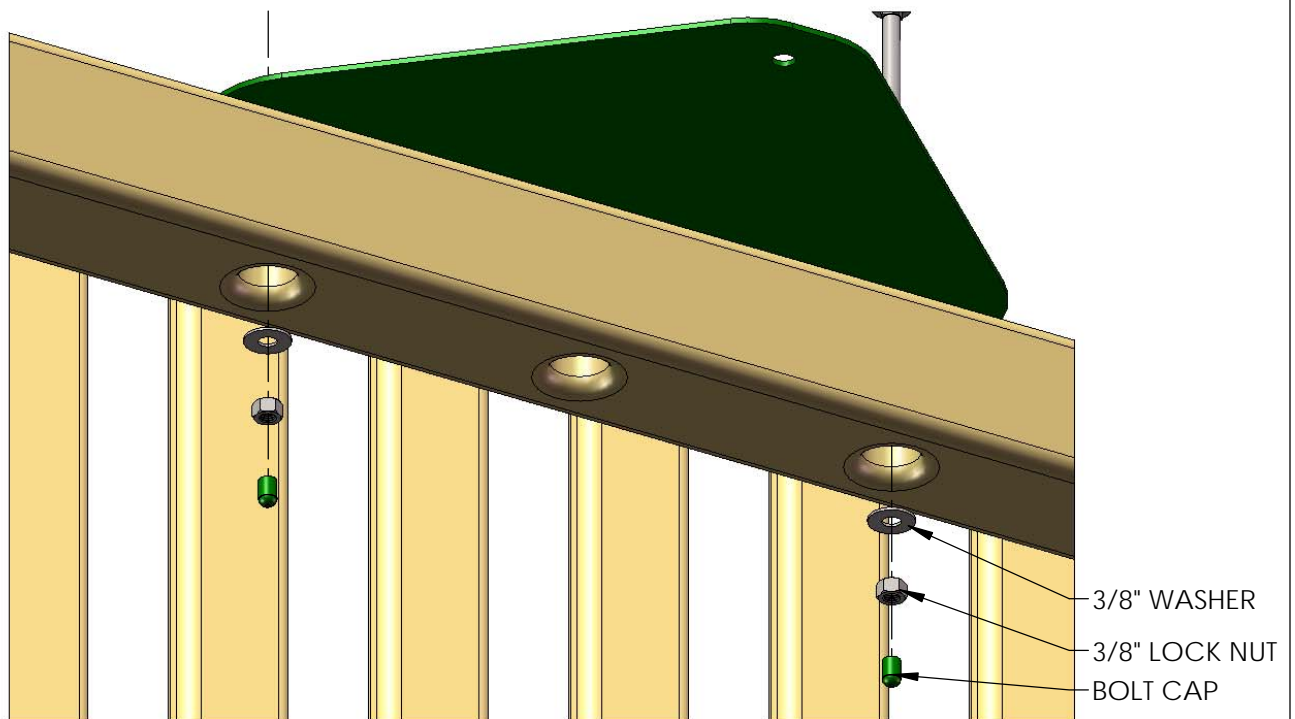
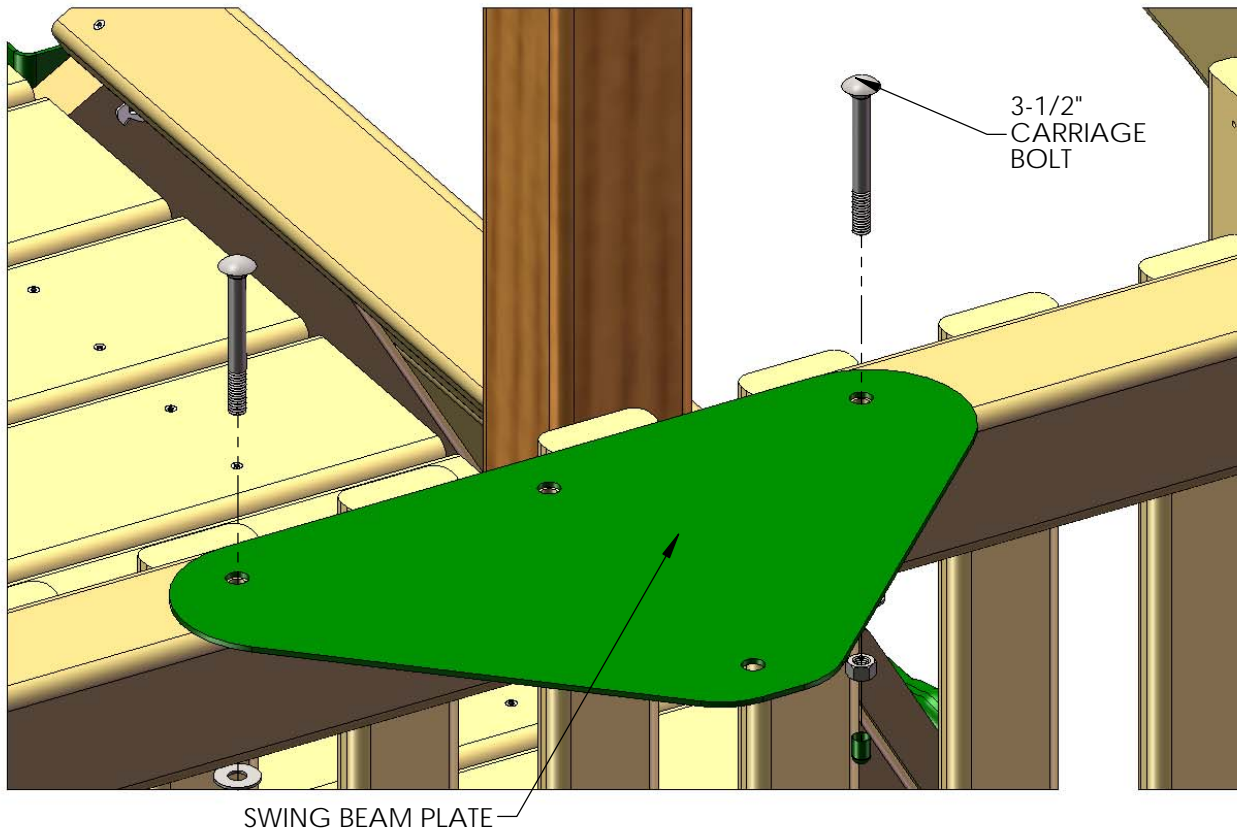
## STEP 20: SWING BEAM PLATE

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

2: FASTEN THE SWING BEAM PLATE TO THE SWING BEAM SUPPORT USING 3-1/2" CARRIAGE BOLTS ON TOP, AND 3/8" LOCK NUTS WITH 3/8" WASHERS FROM UNDERNEATH, IN THE COUNTER-SUNK HOLES OF THE SWING BEAM SUPPORT. USE BOLT CAPS TO COVER ANY EXPOSED THREADS.

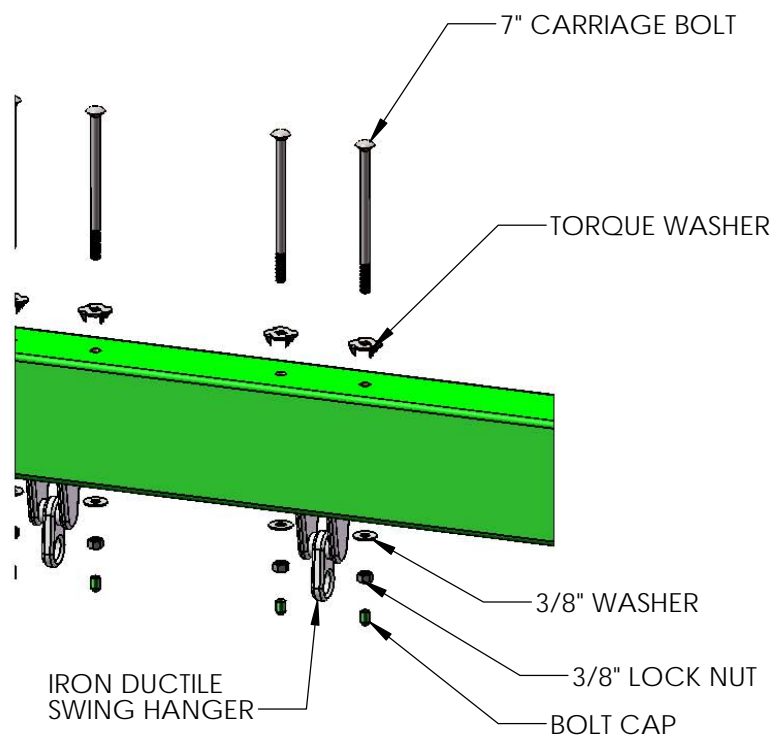
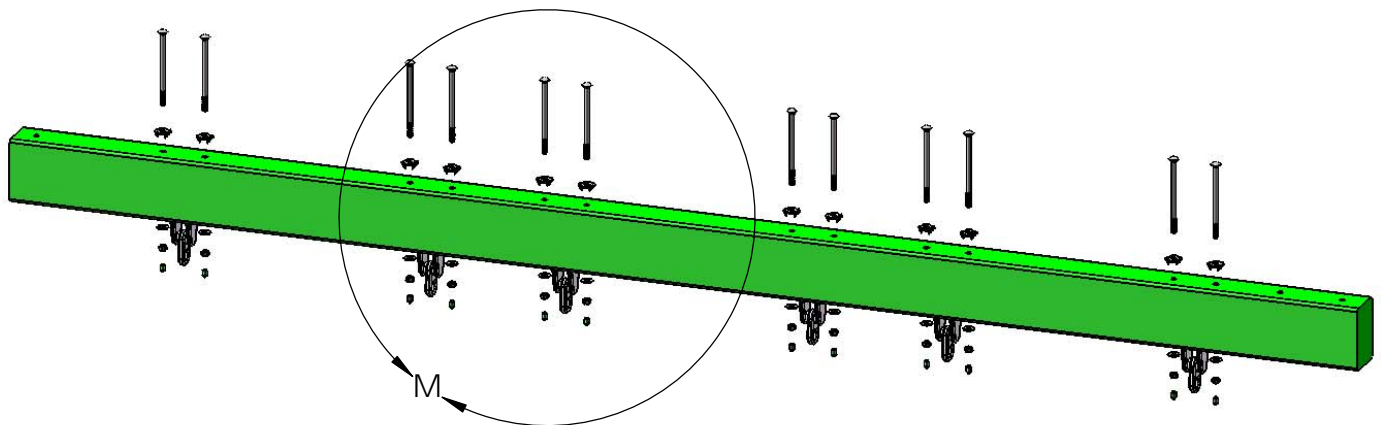
3: LEAVE THE MIDDLE HOLE EMPTY, IT WILL BE USED LATER.

4: IF NECESSARY USE LOCKING PLIERS TO HOLD CARRIAGE BOLTS IN PLACE WHEN INSTALLING.



## STEP 21: IRON DUCTILE SWING HANGERS

- 1: LINE UP THE HOLES OF THE IRON DUCTILE SWING HANGERS WITH THE HOLES IN THE SWINGBEAM. IF YOUR BEAM IS BOWED SLIGHTLY PLACE THE BOW SIDE UP; THE SWING HANGERS WILL BE ON THE BOTTOM.
- 2: FASTEN THE SWING HANGER TO THE SWING BEAM USING 7" CARRIAGE BOLTS WITH TORQUE WASHERS, AND 3/8" WASHERS WITH 3/8" LOCK NUTS.
- 3: PLACE BOLT CAPS OVER EXPOSED THREADS.

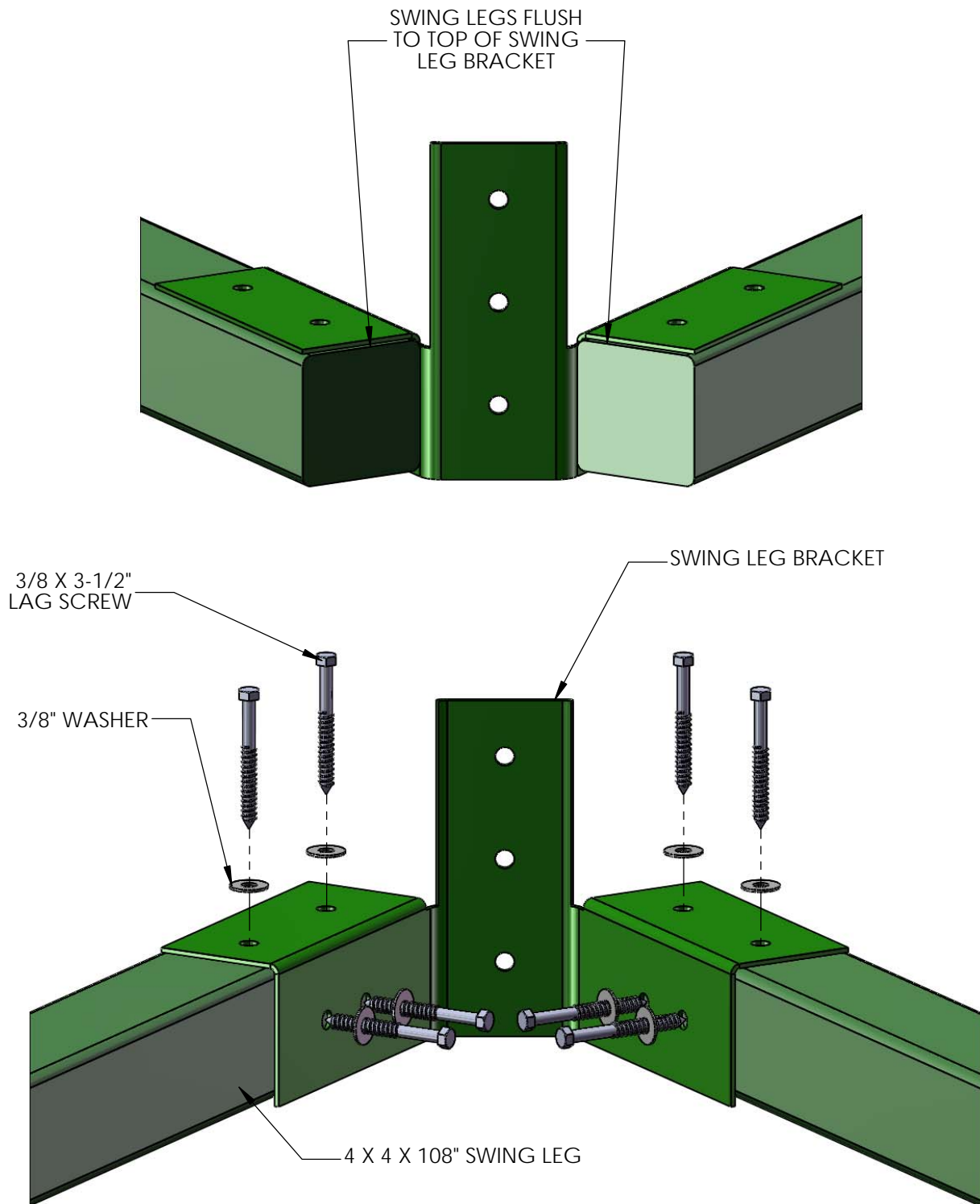


DETAIL M  
SCALE 1 : 8

## STEP 22: ATTACH SWING LEGS TO BRACKET

1: PLACE THE 4 X 4 X 108" SWING LEGS FLUSH TO THE TOP OF THE SWING LEG BRACKET.

2: FASTEN THE SWING LEGS TO THE SWING LEG BRACKET WITH 3/8 X 3-1/2" LAG SCREWS AND 3/8" WASHERS.

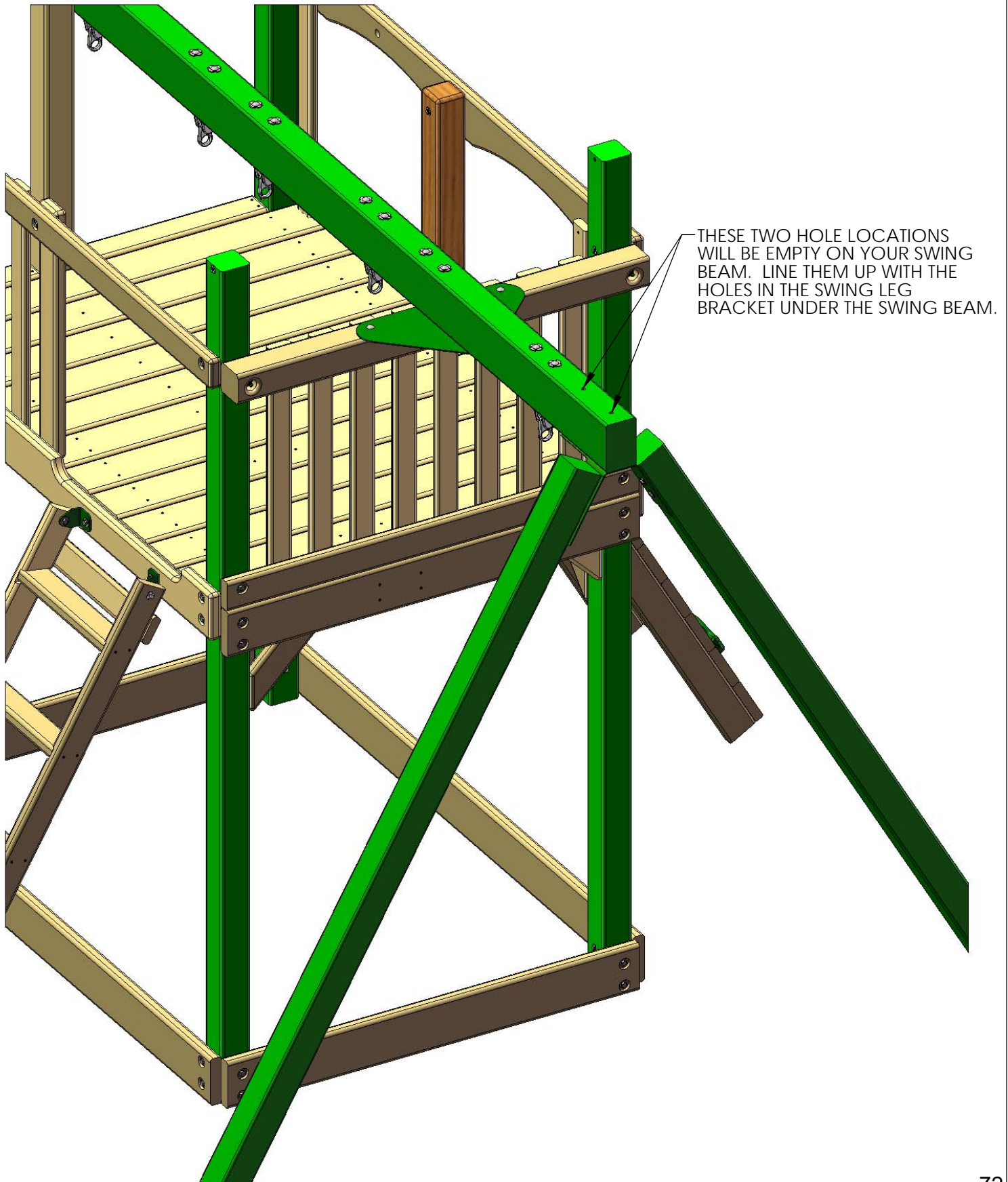


## STEP 23: REST SWING BEAM ON FORT

\*TWO PEOPLE ARE REQUIRED FOR THIS STEP

1: LAY THE SWING BEAM ACROSS THE TOP OF THE FORT RAILINGS. THE END OF THE SWING BEAM WITH TWO EMPTY HOLES SHOULD OVERHANG THE SIDE OF THE FORT WITH THE TRIANGULAR SWING BEAM PLATE.

2: SIT THE SWING BEAM LEGS UPRIGHT UNDER THE TWO EMPTY HOLES IN THE END OF THE SWING BEAM.



## DETOUR 1

GO TO APPENDIX AND FOLLOW STEP 21 OF SKYLOFT INSTRUCTIONS. RETURN HERE AND THEN SKIP STEP 24.

## STEP 24: MOUNT SWING BEAM TO SWING BEAM LEGS

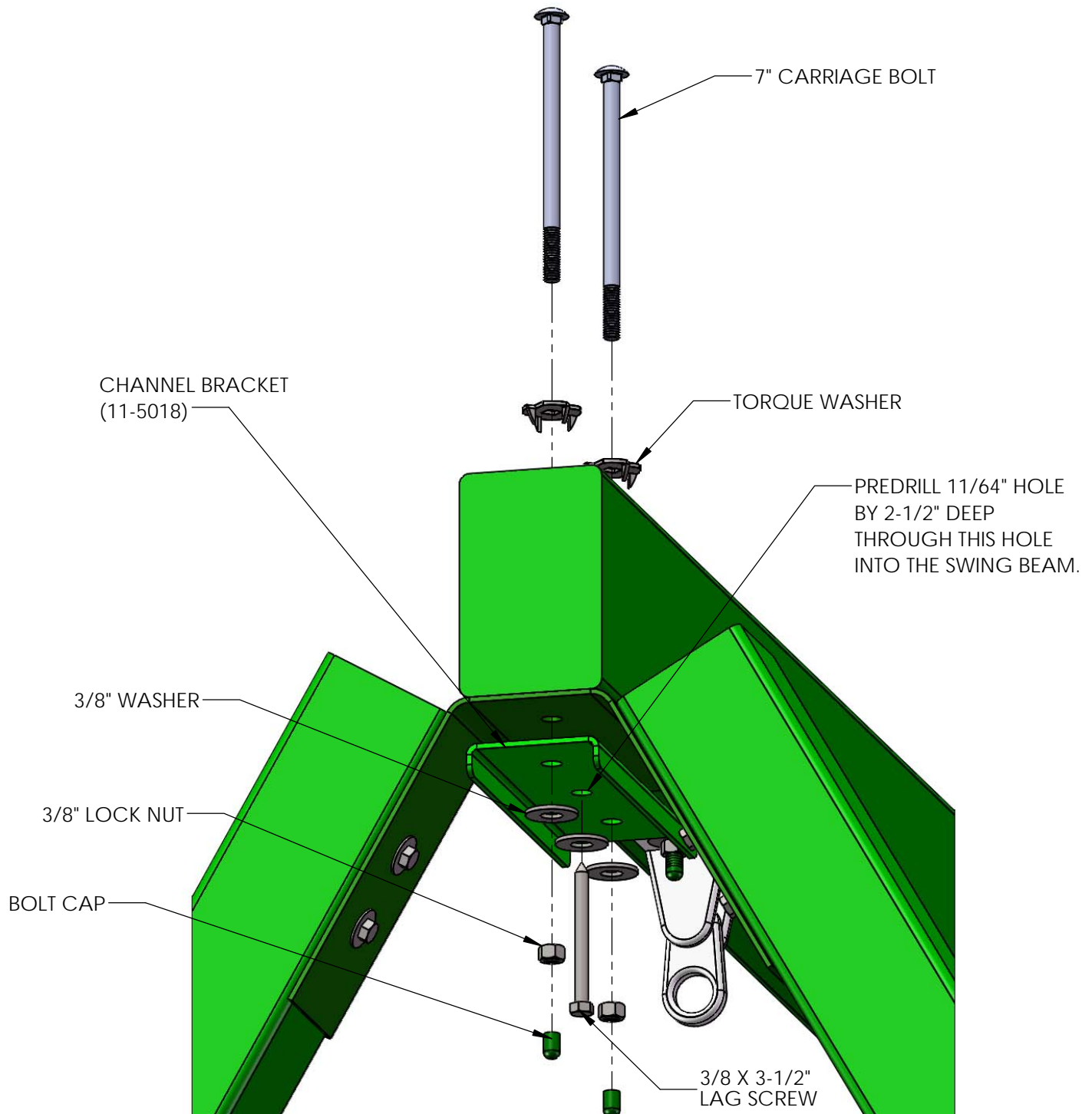
1: FASTEN THE SWING BEAM TO THE SWING BEAM BRACKET USING 7" CARRIAGE BOLTS WITH TORQUE WASHERS ON TOP OF THE SWING BEAM.

2: PLACE THE CHANNEL BRACKET UNDERNEATH THE SWING BEAM BRACKET.

3: FASTEN THE 3/8" LOCK NUTS WITH 3/8" WASHERS ONTO THE ENDS OF THE CARRIAGE BOLTS UNDERNEATH THE CHANNEL BRACKET. PLACE A BOLT CAP OVER ANY EXPOSED THREADS.

4: PREDRILL AN 11/64" HOLE BY 2-1/2" DEEP IN THE CENTER CHANNEL BRACKET HOLE.

5: FASTEN A 3/8" X 3-1/2" LAG SCREW WITH 3/8" WASHER TO THE CHANNEL BRACKET IN THE CENTER HOLE.





## STEP 25: MOUNT SWING BEAM ON FORT

\*AN EXTRA PERSON IS REQUIRED FOR THIS STEP

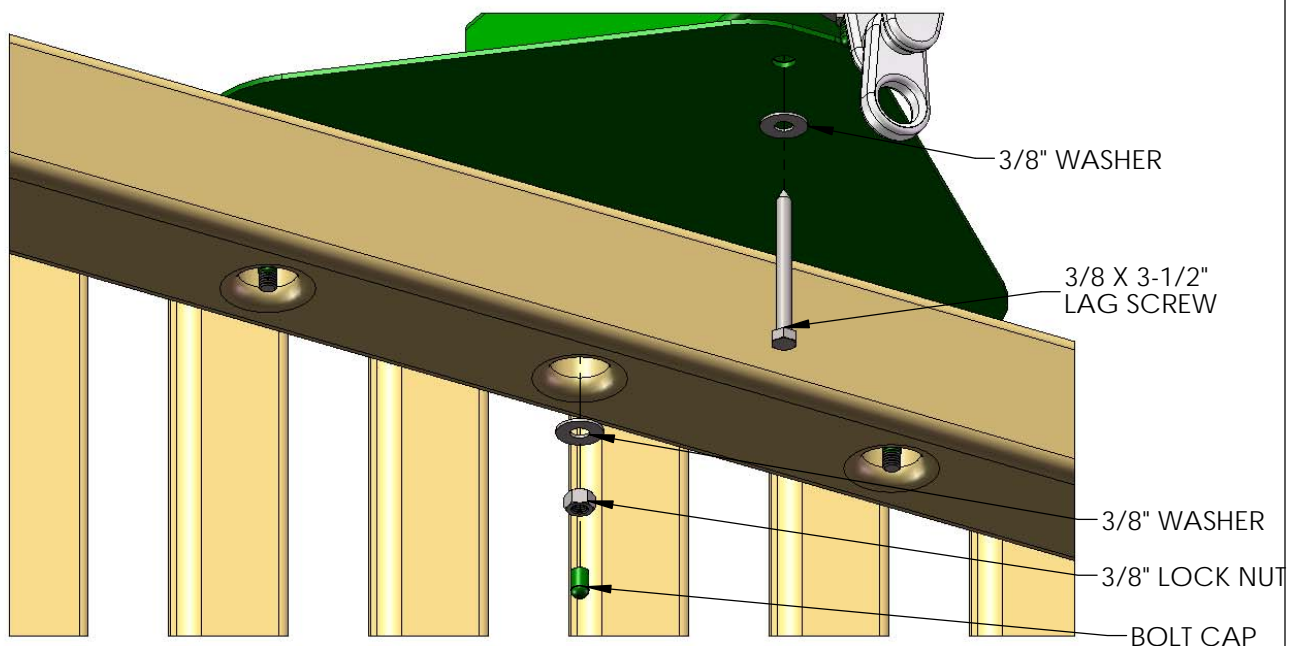
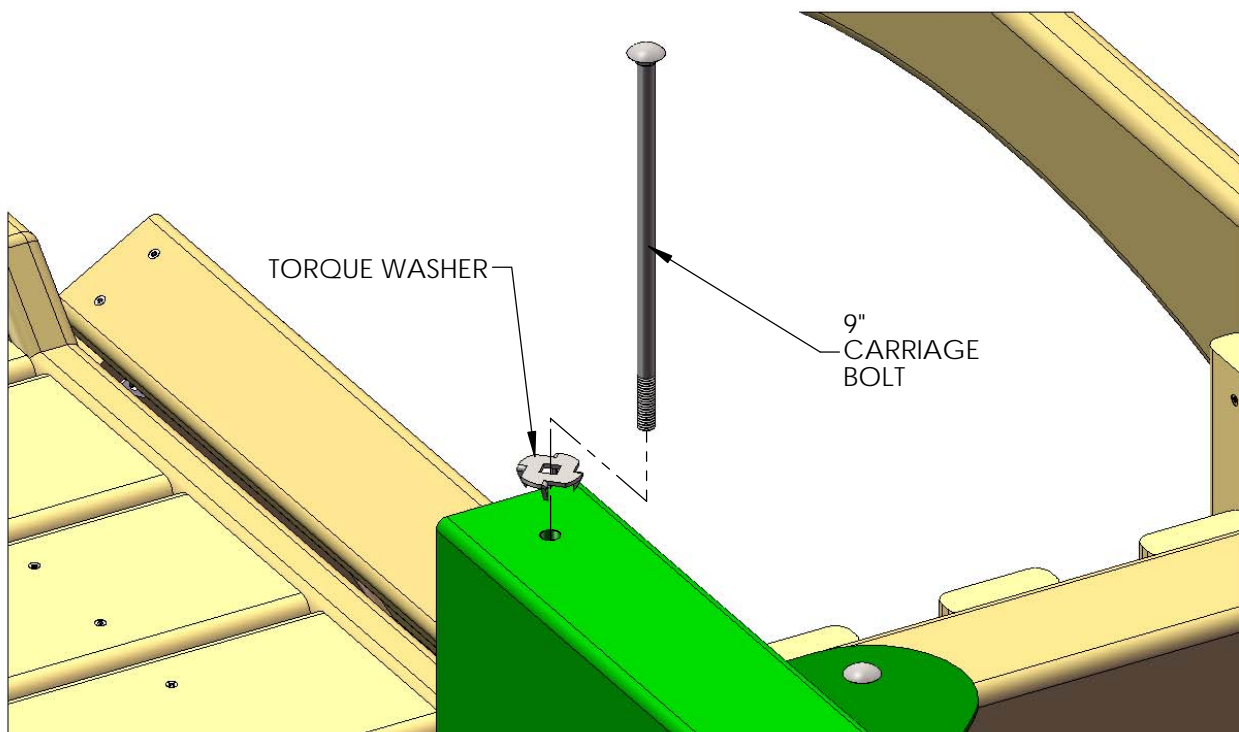
1: HAVE ONE PERSON WALK THE SWING BEAM OUT TO THE END OF THE FORT FROM INSIDE THE FORT WHILE THE OTHER PERSON CARRIES IT BY THE LEGS.

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 SUPPORT 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.

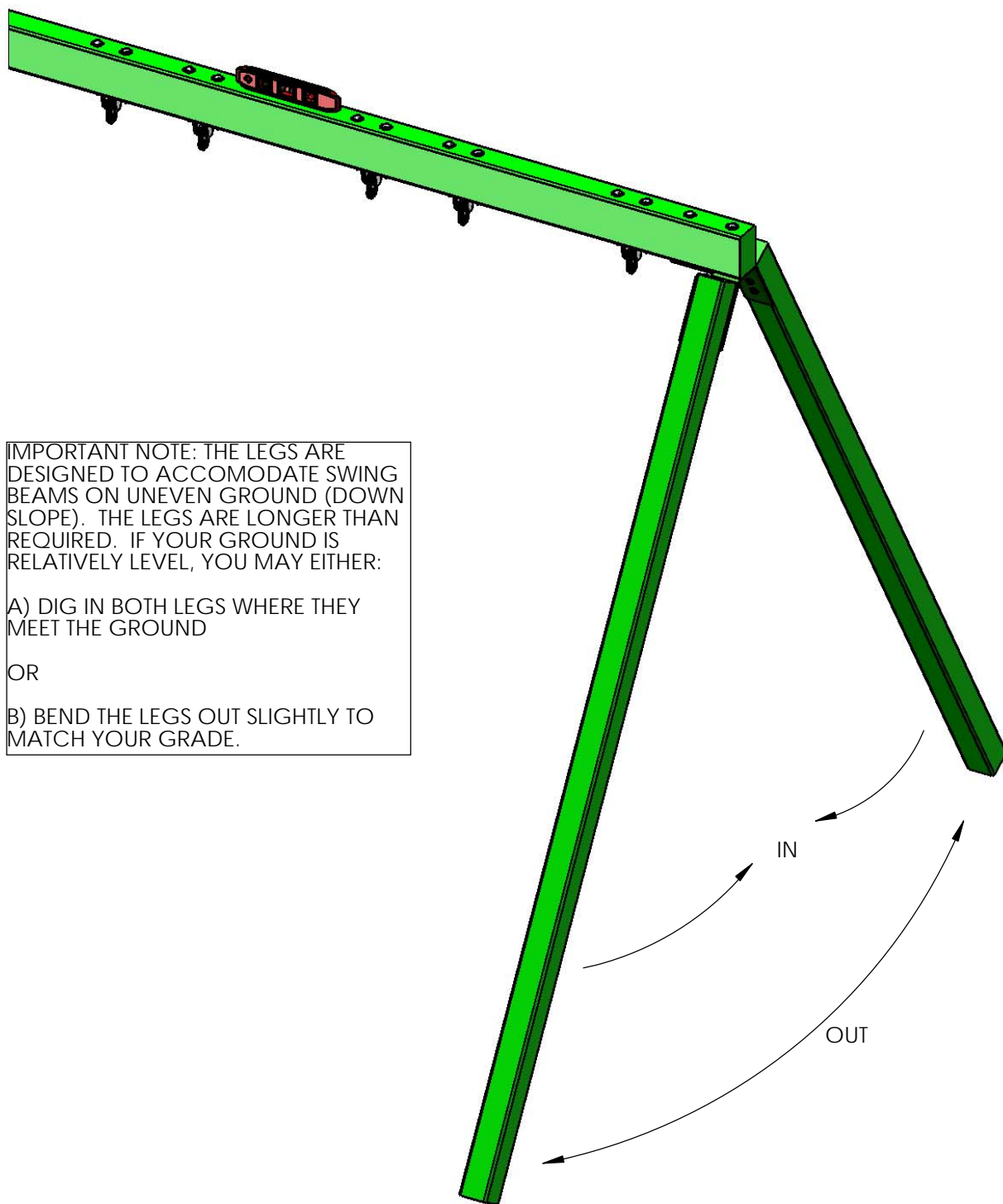
4: FASTEN THE SWING BEAM TO THE SWING BEAM PLATE FROM UNDERNEATH WITH A 3/8 X 3-1/2" LAG SCREW AND A 3/8" WASHER.

5: IF NECESSARY USE VISE GRIPS TO HOLD CARRIAGE BOLT IN PLACE WHEN INSTALLING.



## STEP 26: LEVEL SWING BEAM

1: PLACE A LEVEL ON TOP OF THE SWING BEAM AND ADJUST THE BEAM LEGS IN OR OUT AS NEEDED TO MAKE THE SWING BEAM LEVEL.



IMPORTANT NOTE: THE LEGS ARE DESIGNED TO ACCOMODATE SWING BEAMS ON UNEVEN GROUND (DOWN SLOPE). THE LEGS ARE LONGER THAN REQUIRED. IF YOUR GROUND IS RELATIVELY LEVEL, YOU MAY EITHER:

A) DIG IN BOTH LEGS WHERE THEY MEET THE GROUND

OR

B) BEND THE LEGS OUT SLIGHTLY TO MATCH YOUR GRADE.

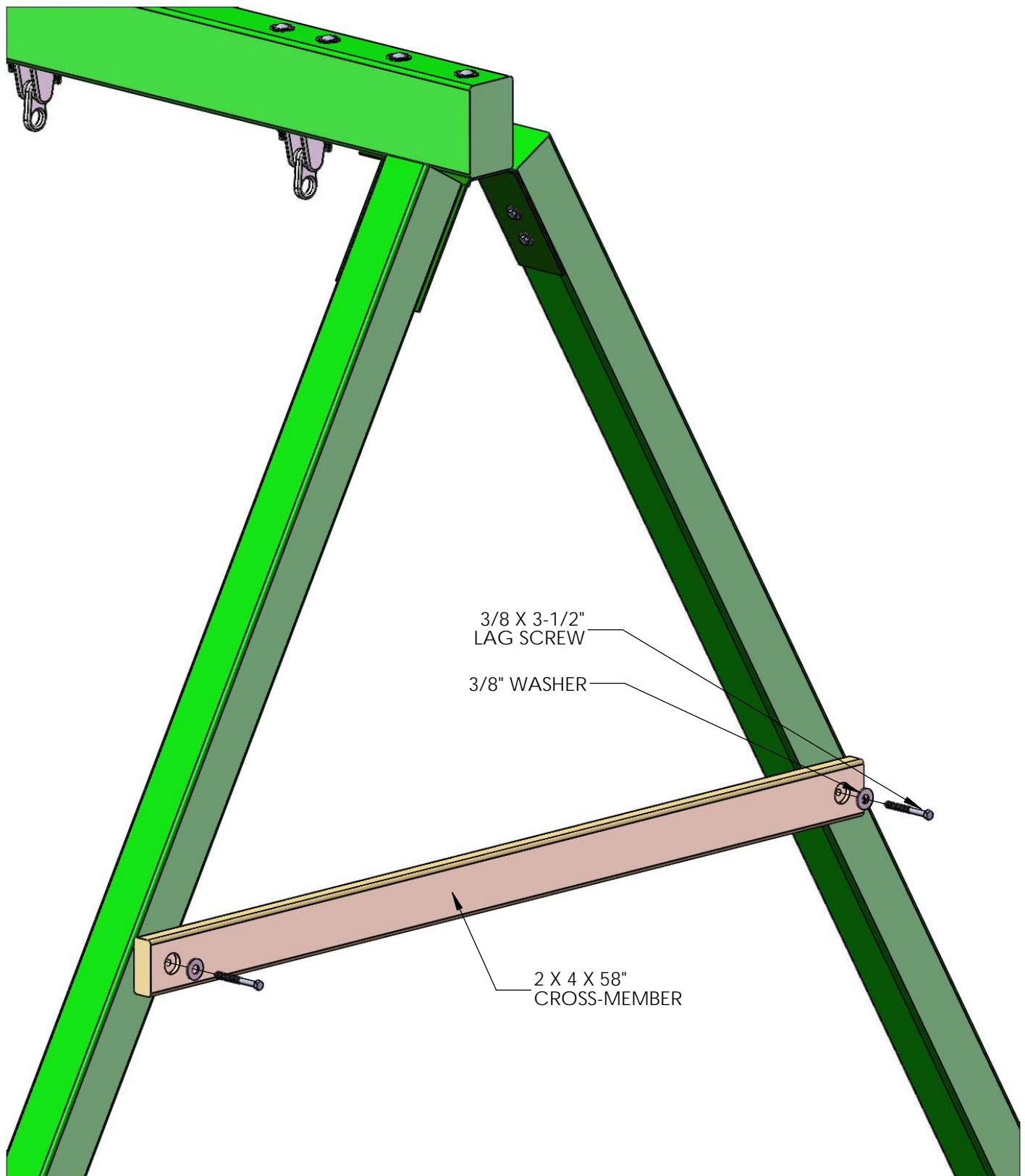


## DETOUR 2

GO TO APPENDIX AND FOLLOW STEP 23 OF SKYLOFT INSTRUCTIONS. RETURN HERE AND THEN SKIP STEP 27.

## STEP 27: SWING LEG CROSS-MEMBER

- 1: POSITION THE 2 X 4 X 58" SWING LEG CROSS-MEMBER AGAINST THE SWING BEAM LEGS.
- 2: LEVEL CROSS-MEMBER AND MARK THE LOCATION OF THE SECURING HOLES INSIDE THE CROSS-MEMBER HOLES.
- 3: USE 3/8 X 3-1/2" LAG SCREWS WITH 3/8" WASHERS TO SECURE THE CROSS-MEMBER TO THE SWING BEAM LEGS.



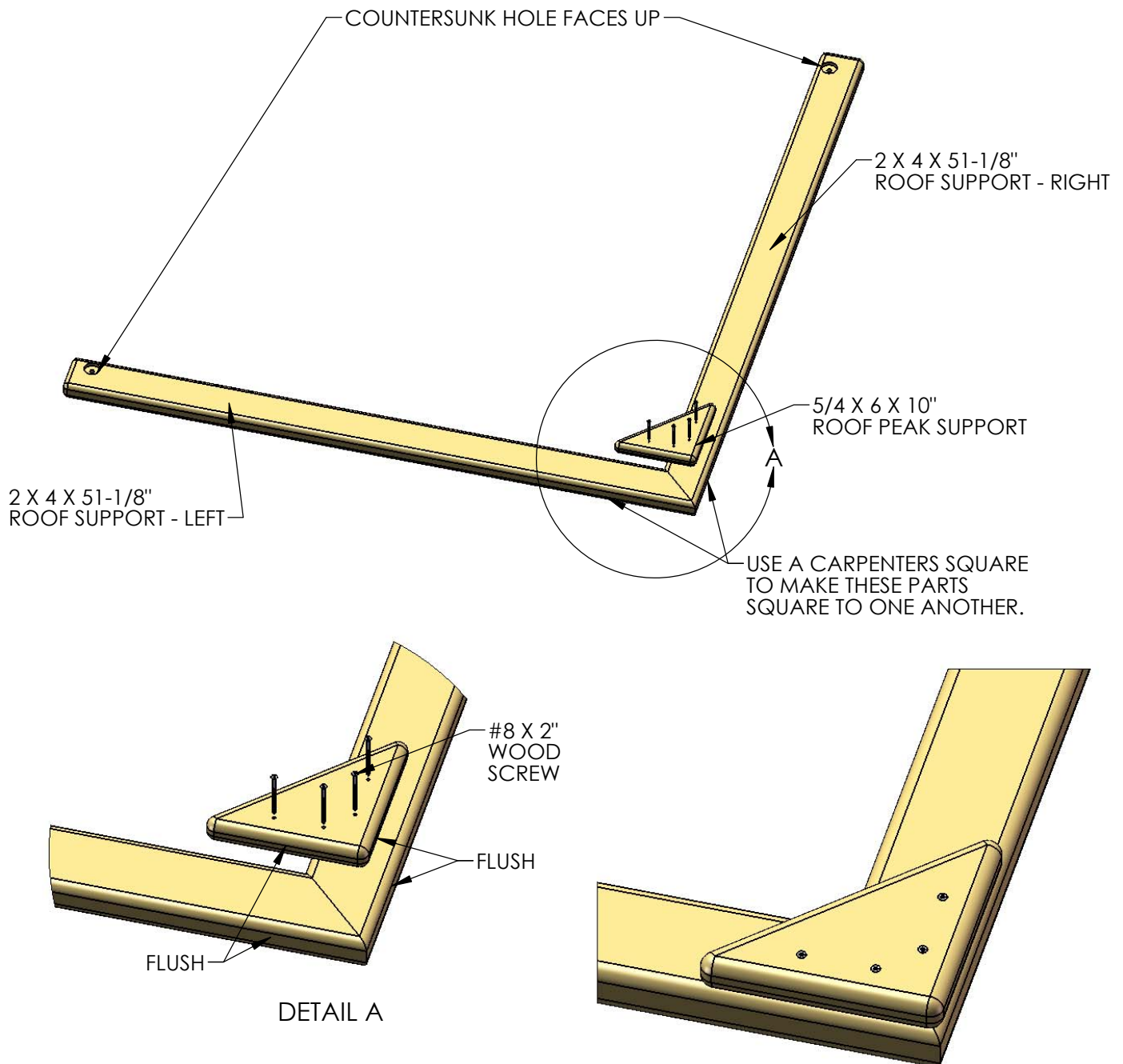
## STEP 28: ROOF SUPPORT ASSEMBLIES

1: LOCATE TWO 2 X 4 X 51-1/8" ROOF SUPPORT (LEFT), TWO 2 X 4 X 51-1/8" ROOF SUPPORT (RIGHT) AND TWO 5/4 X 6 X 10" ROOF PEAK SUPPORT PIECES.

2: FIND A FLAT SURFACE TO WORK ON. LAY THE ROOF SUPPORTS DOWN ON THE FLAT SURFACE WITH THE **COUNTERSUNK HOLES FACING UP**. ALIGN THE ANGLED ENDS OF THE ROOF SUPPORTS FLUSH WITH ONE ANOTHER. PLACE A ROOF PEAK SUPPORT ON TOP OF THE ROOF SUPPORTS AS SHOWN. THE EDGES SHOULD BE FLUSH WHERE SHOWN BELOW.

3: USE FOUR #8 X 2" WOOD SCREWS TO ATTACH THE ROOF PEAK SUPPORT TO THE ROOF SUPPORTS AS SHOWN BELOW.

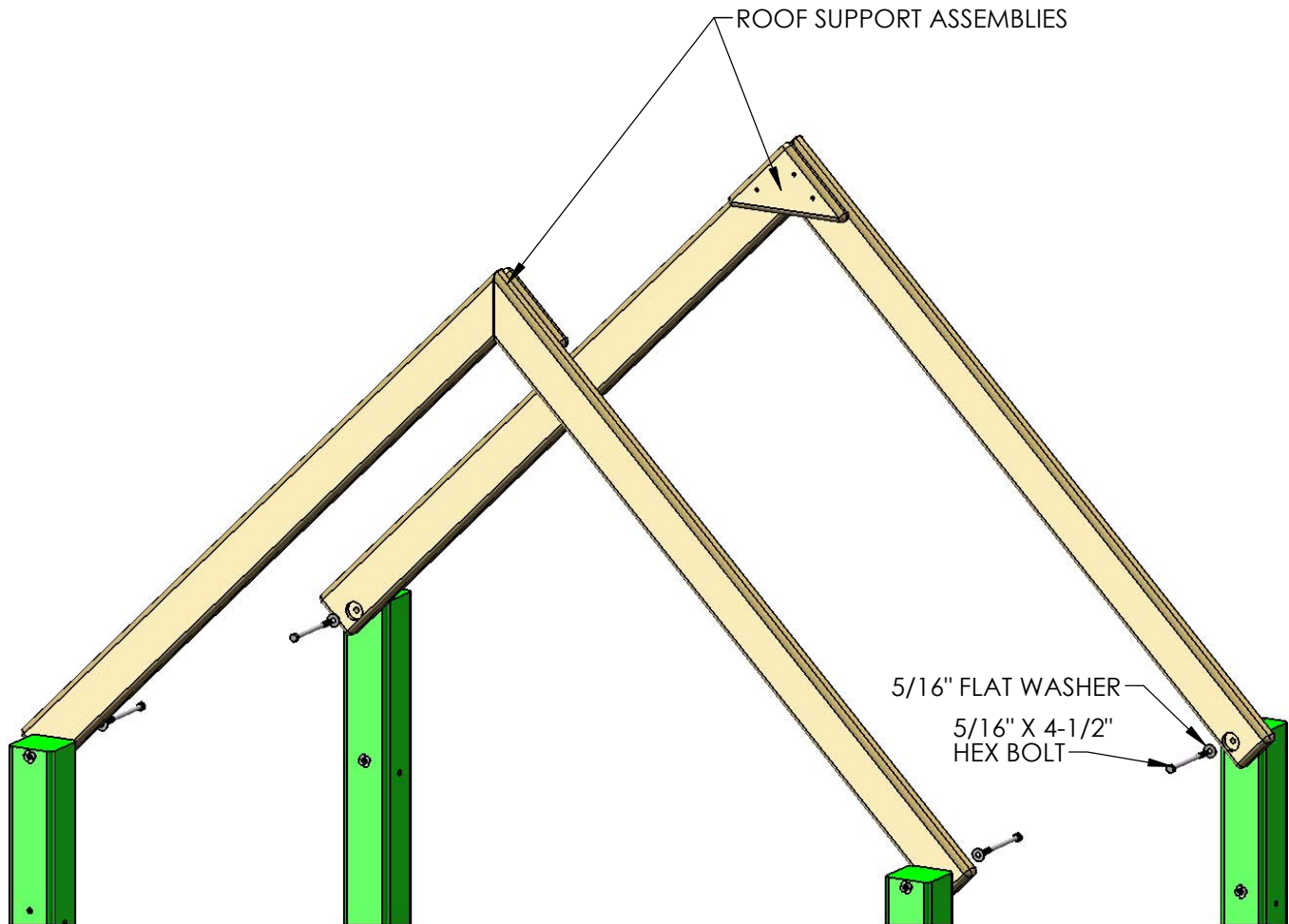
4: MAKE ONE MORE ROOF SUPPORT ASSEMBLY BY REPEATING 2 AND 3.



## STEP 28A: INSTALLING ROOF SUPPORT ASSEMBLIES

1: PLACE THE ROOF SUPPORT ASSEMBLIES ON TOP OF THE DECK OF THE PLAY SET. CLIMB ONTO THE DECK TO INSTALL THE ROOF SUPPORT ASSEMBLIES.

2: ATTACH THE ROOF SUPPORT ASSEMBLIES TO THE CORNER POSTS WITH 5/16" X 4-1/2" HEX BOLTS AND 5/16" WASHERS.



## DETOUR 3

GO TO APPENDIX AND FOLLOW STEPS 1-16A OF SKYLOFT INSTRUCTIONS. YOU WILL NEED TO USE STEPS 29-31 IN THE MAIN MANUAL TO SEE HOW TO CONSTRUCT THE MAIN ROOF.

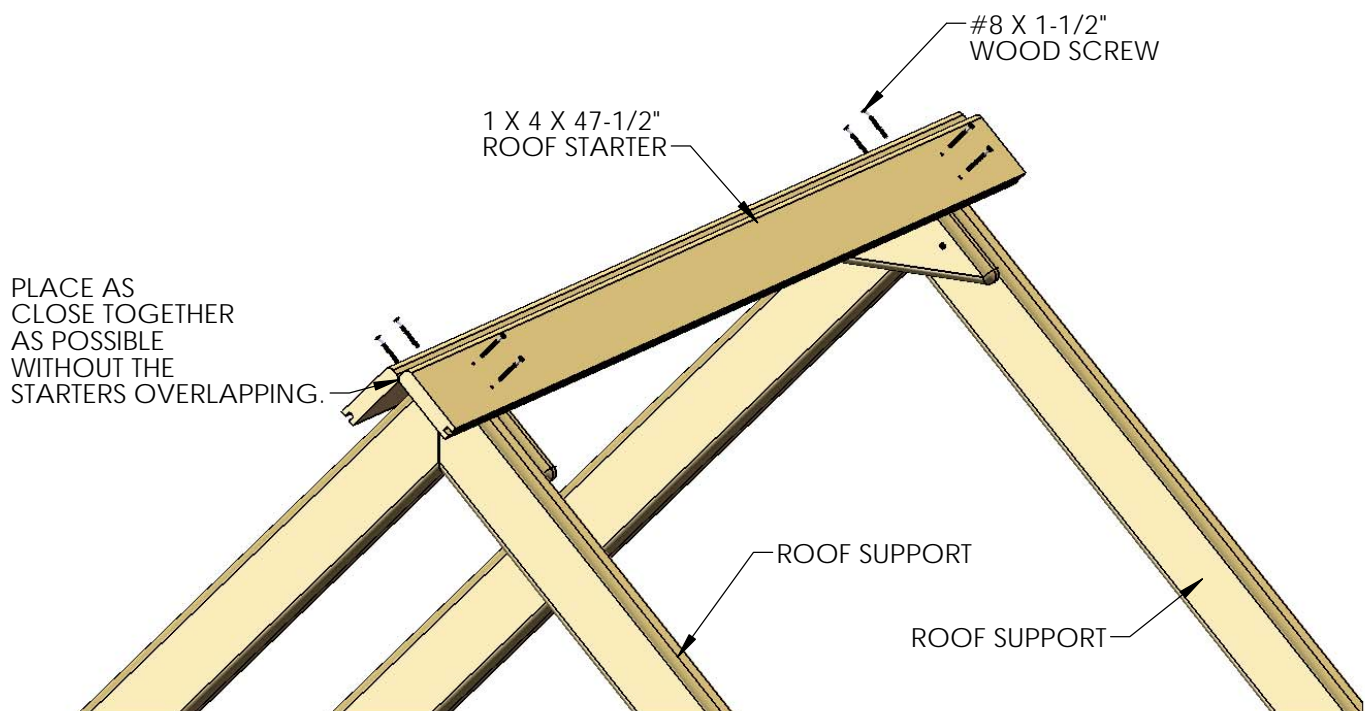
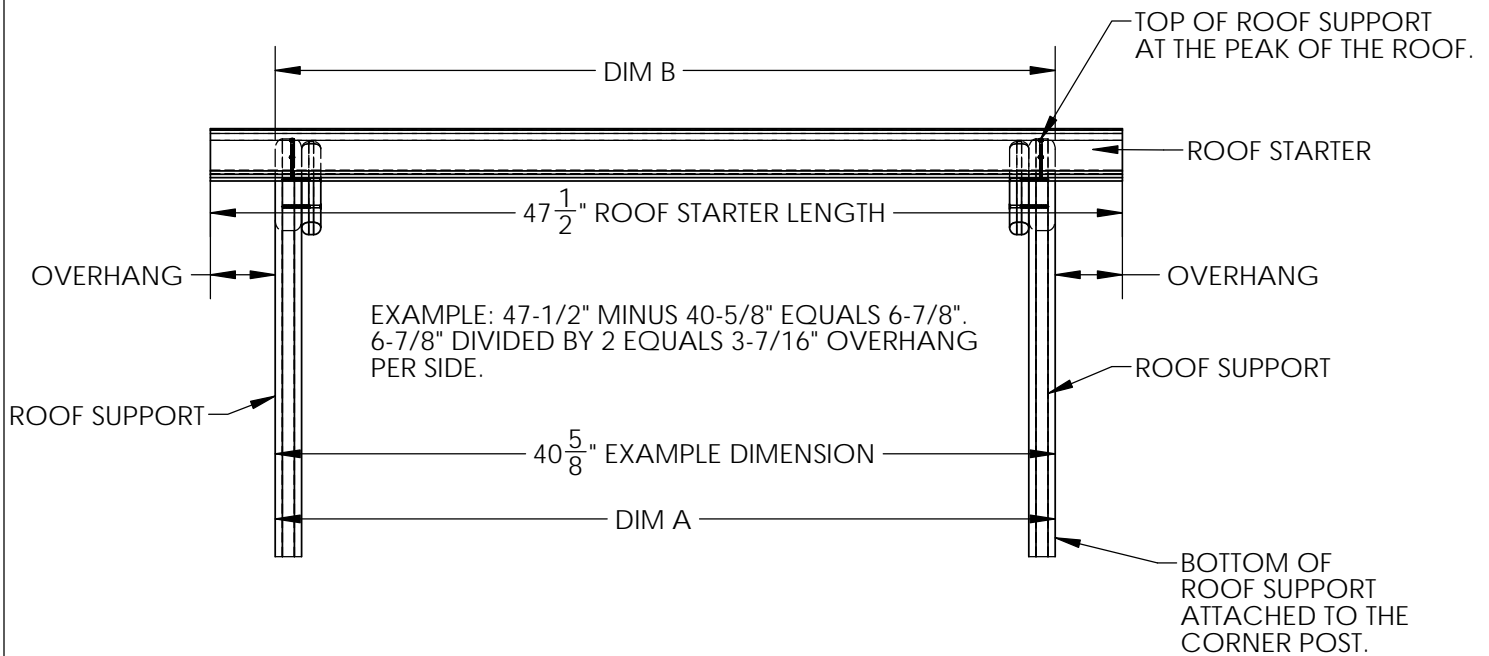
AFTER THE ROOF IS CONSTRUCTED YOU WILL HAVE ONE DORMER AND ONE 07-0031 DORMER SUNBURST LEFTOVER. YOU MAY RETAIN OR DISCARD THESE ITEMS AS YOU WISH.

## STEP 29: ROOF STARTERS

1: PLACE THE 1 X 4 X 47-1/2" GROOVE-ONLY ROOF STARTER BOARDS AT THE PEAK OF THE ROOF. THE HOLES IN THE ROOF STARTERS SHOULD BE APPROXIMATELY CENTERED (SEE BELOW) ON THE ROOF SUPPORTS, AND THE FLAT ENDS OF THE ROOF STARTERS SHOULD BE PLACED AS CLOSE TO EACH OTHER AS POSSIBLE WITHOUT THE BOARDS OVERLAPPING.

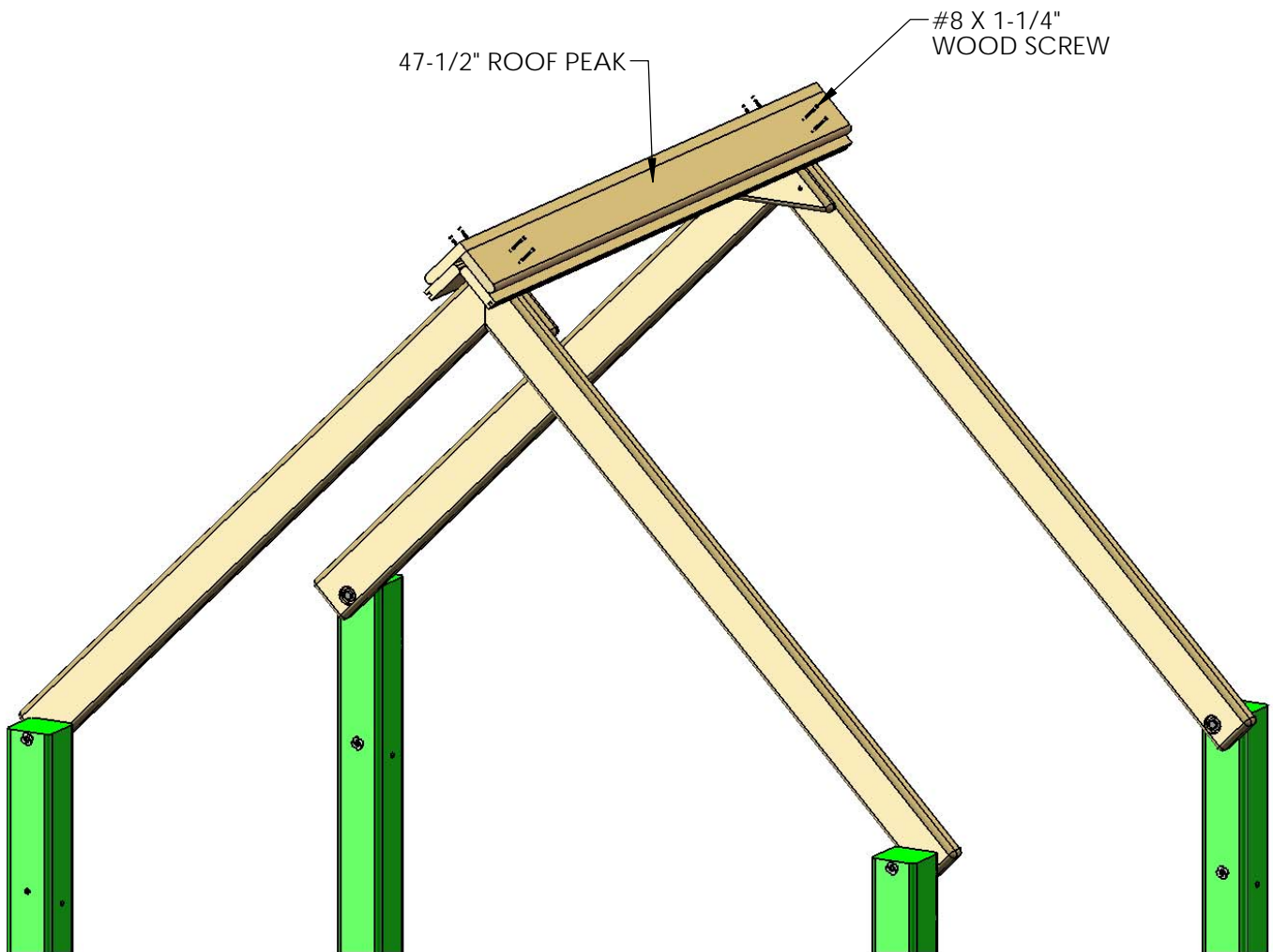
2: FASTEN THE ROOF STARTER BOARDS TO THE ROOF SUPPORTS WITH #8 X 1-1/2" WOOD SCREWS.

MEASURE DIM A ACROSS THE BOTTOM OF THE ROOF SUPPORTS NEAR THE CORNER POSTS. WHEN ATTACHING THE ROOF STARTERS DIM B AT THE ROOF PEAK SHOULD MATCH DIM A. THIS WILL MAKE THE ROOF SUPPORTS PARALLEL TO EACH OTHER. DUE TO WOOD MILLING VARIATIONS YOUR HOLES IN THE ROOF STARTERS WILL EITHER BE CENTERED ON THE ROOF SUPPORTS OR THEY WILL BE OFFSET TOWARDS THE INSIDE OF THE ROOF SUPPORTS SLIGHTLY. SUBTRACT DIM A FROM 47-1/2" AND THEN DIVIDE THIS NUMBER BY 2. THIS WILL GIVE YOU THE OVERHANG FOR EACH SIDE. USE THE OVERHANG NUMBER ON EACH SIDE TO KEEP YOUR ROOF SUPPORTS PARALLEL.



## STEP 30: ROOF PEAK

- 1: PLACE THE 47-1/2" ROOF PEAK ON TOP OF THE ROOF STARTER BOARDS.
- 2: FASTEN THE ROOF PEAK TO THE ROOF STARTER BOARDS WITH #8 X 1-1/4" WOOD SCREWS.





## STEP 31: ROOF

NOTE: THE SMALL PICTURE BELOW IS A GENERIC VIEW OF A PLAY SET IN OUR 1500 MODEL LINE. TYPICALLY THE ROCK WALL AND/OR SLIDE IS LOCATED ON THE FRONT OF THE 1500 SERIES PLAY SETS. THE BIG PICTURE BELOW SHOWS THE RIGHT SIDE ROOF WITH THE DORMER AND CHIMNEY. THE LEFT SIDE ROOF ONLY GETS A DORMER. INSTRUCTIONS TO BUILD THE CHIMNEY AND DORMERS ARE IN THE APPENDIX AT THE BACK OF THIS MANUAL.

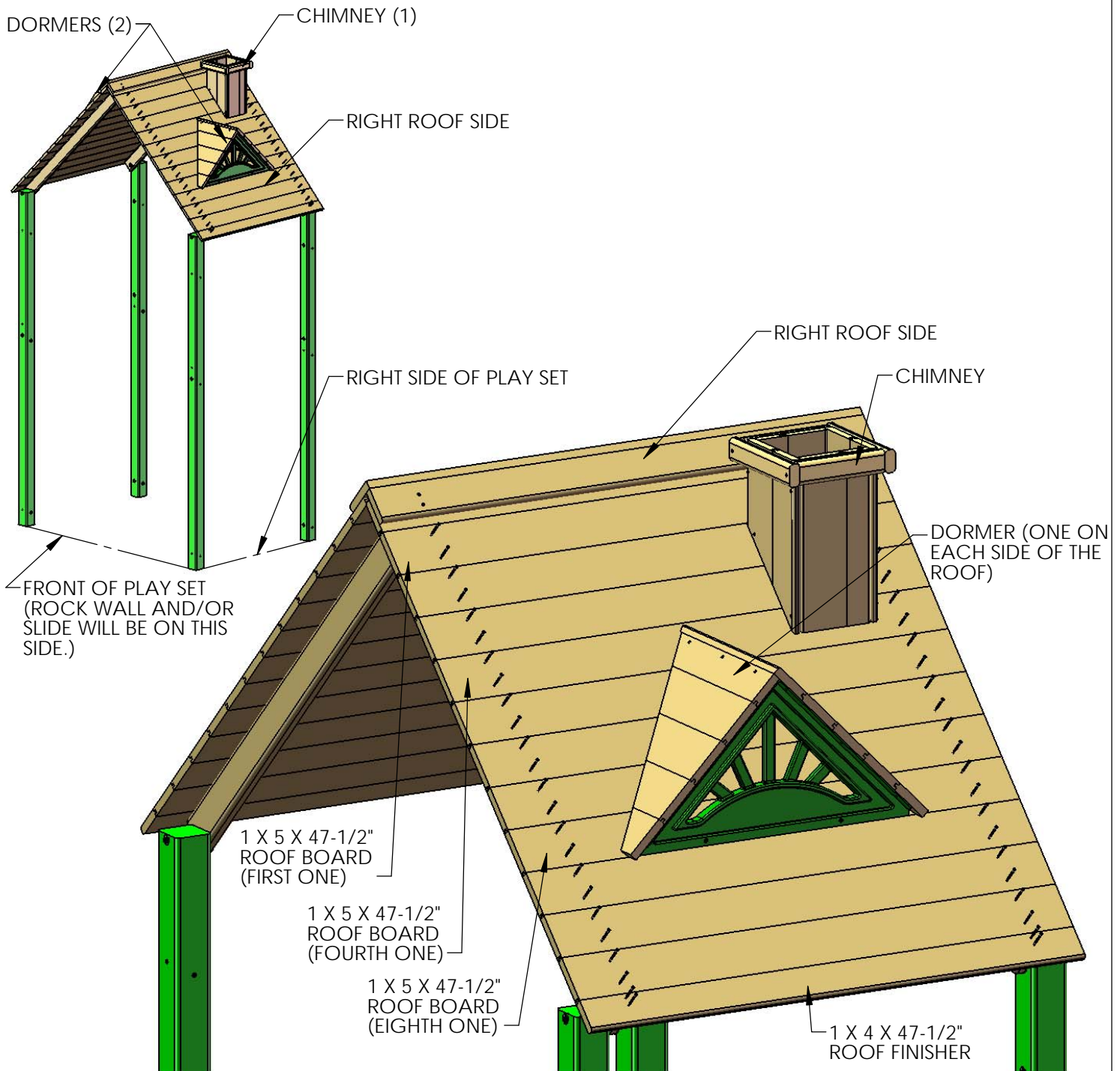
PLEASE NOTE THAT EACH SIDE OF THE ROOF WILL HAVE 11 ROOF BOARDS AND 1 ROOF FINISHER.

1: PLACE THE 1 X 5 X 47-1/2" 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 11 ROOF BOARDS.

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

3: FIT THE TONGUE END OF THE 1 X 4 X 47-1/2" ROOF FINISHER INTO THE GROOVE END OF THE LAST ROOF BOARD. FASTEN IT TO THE ROOF SUPPORT WITH FOUR 1-1/2" WOOD SCREWS.

TIP: INSTALL FOUR ROOF BOARDS AND THEN INSTALL THE CHIMNEY ACCORDING TO THE CHIMNEY INSTRUCTIONS. AFTER INSTALLING THE EIGHTH ROOF BOARD INSTALL THE DORMER ACCORDING TO THE DORMER INSTRUCTIONS. THEN FINISH INSTALLING THE REMAINING ROOF BOARDS AND ROOF FINISHER.





# STOP

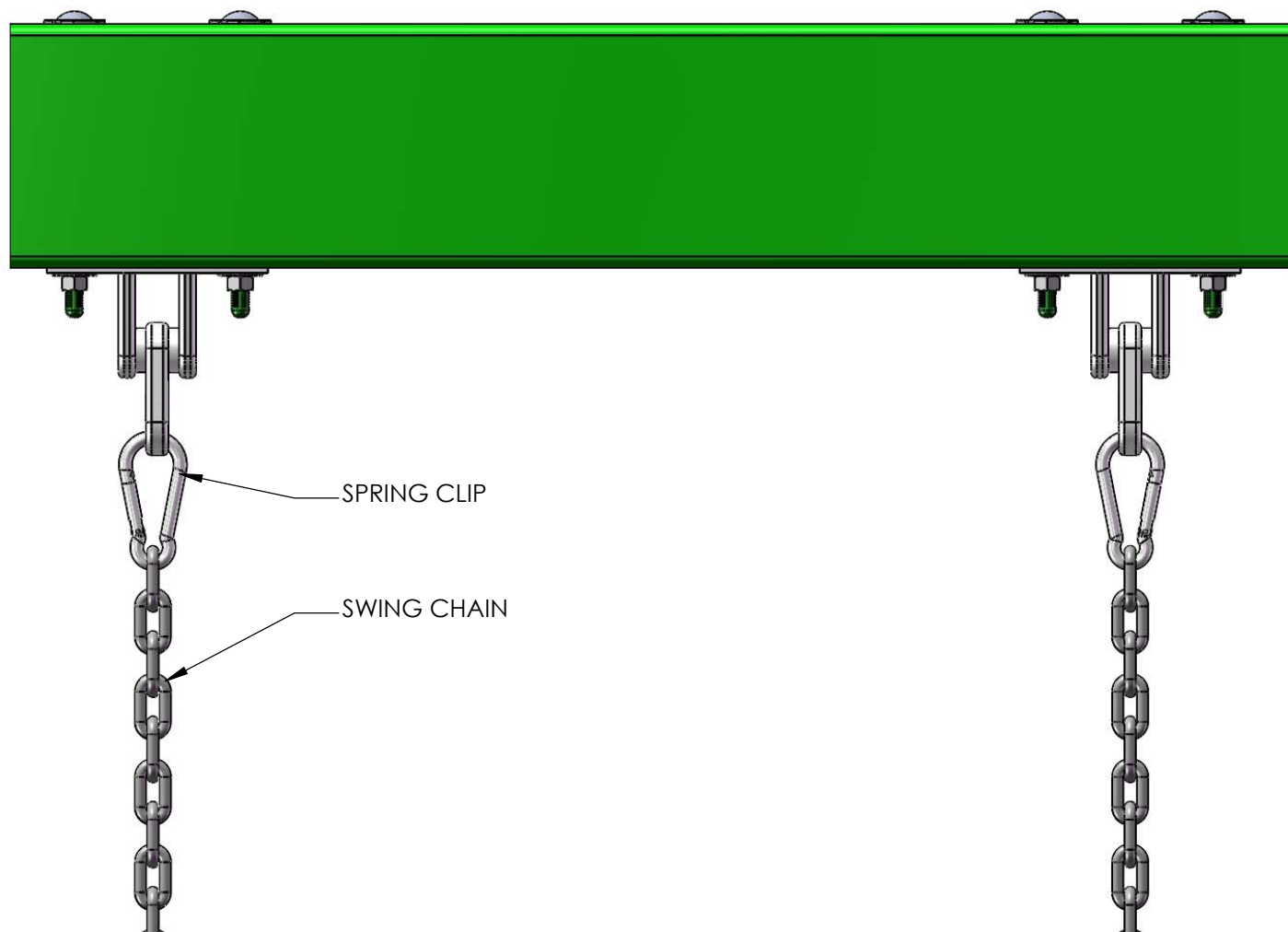
Proceed to the Treehouse Add On kit instructions to install this kit now.

Please read step 2 in the Treehouse Add On kit instructions carefully since you will have to remove the Roof Peak Support from the roof you just built and reinstall it in Step 2.

Once the Treehouse Add On kit is installed come back to this page and proceed with construction.

## STEP 32: HANGING THE SWINGS

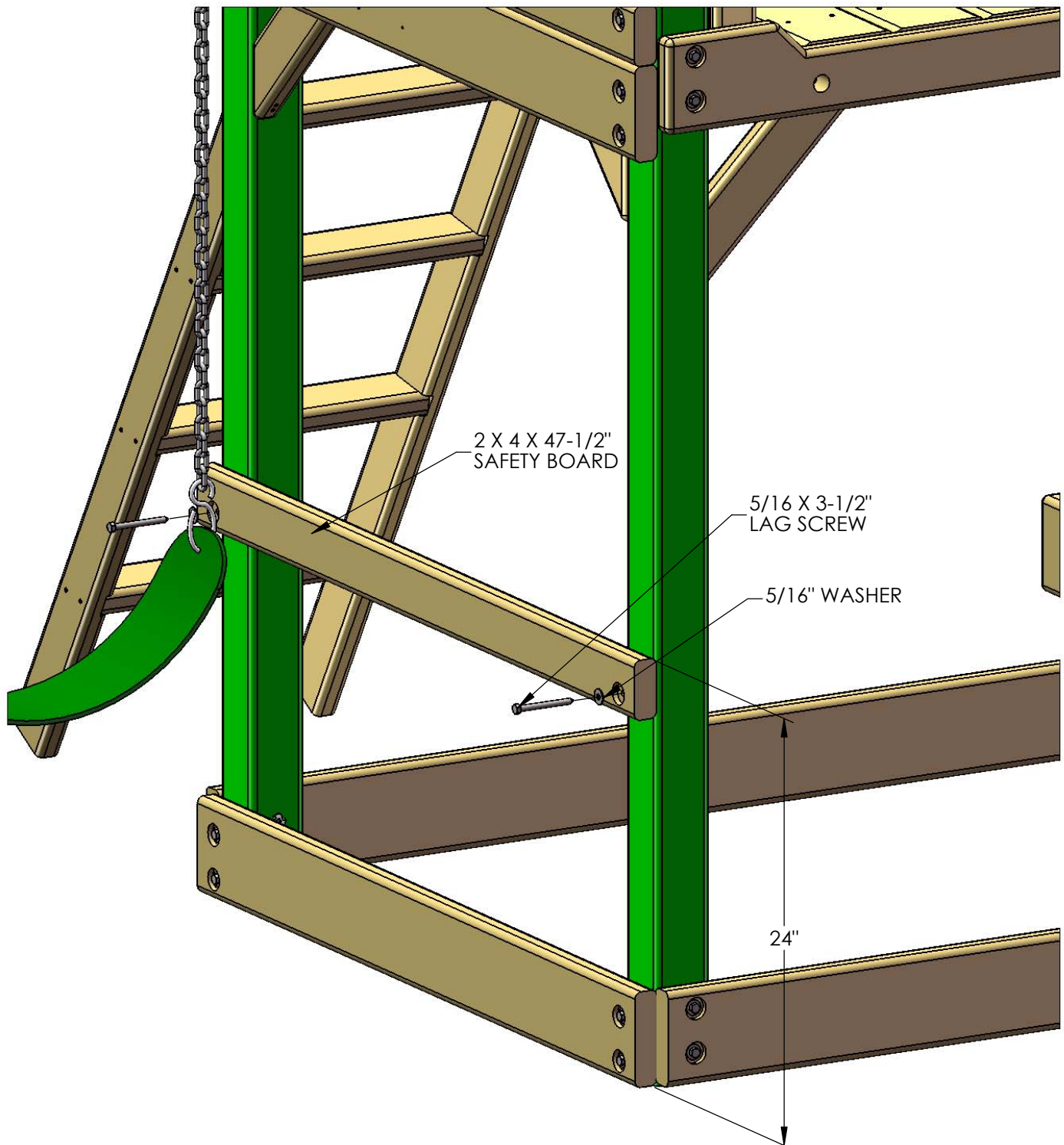
- 1: START BY ATTACHING ONE SPRING CLIP TO EACH IRON DUCTILE ON THE SWING BEAM.
- 2: ATTACH ONE CHAIN PER ACCESSORY TO EACH SPRING CLIP.
- 3: ADJUST HEIGHT AS NEEDED



## STEP 33: SAFETY BOARD

1: MEASURE 24" FROM THE BOTTOM OF THE CORNER POSTS ON THE LEFT SIDE OF THE FORT. MARK THESE POSITIONS ON THE OUTSIDE OF THE CORNER POSTS. ATTACH THE 2 X 4 X 47-1/2" SAFETY BOARD WITH OFFSET HOLES ON THE CORNER POSTS WITH 5/16 X 3-1/2" LAG SCREWS AND 5/16 WASHERS.

NOTE: THE OFFSET HOLES CAN BE PLACED UP OR DOWN IN THIS STEP.



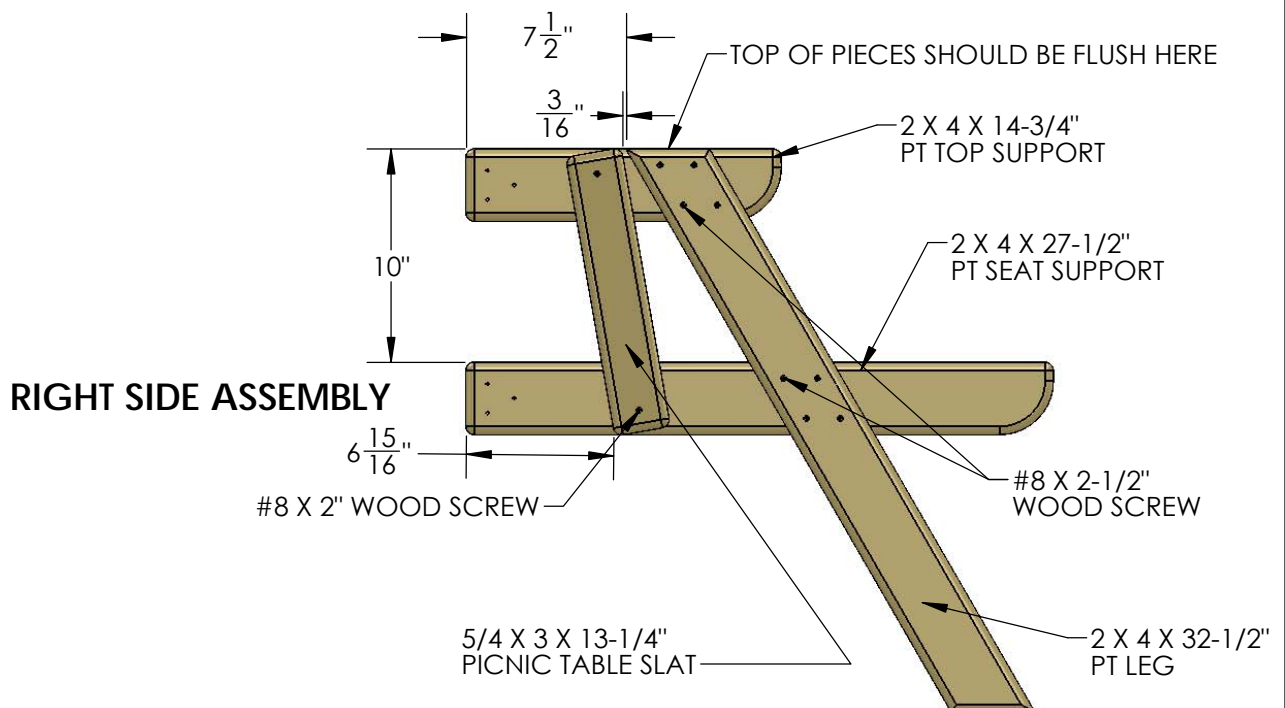
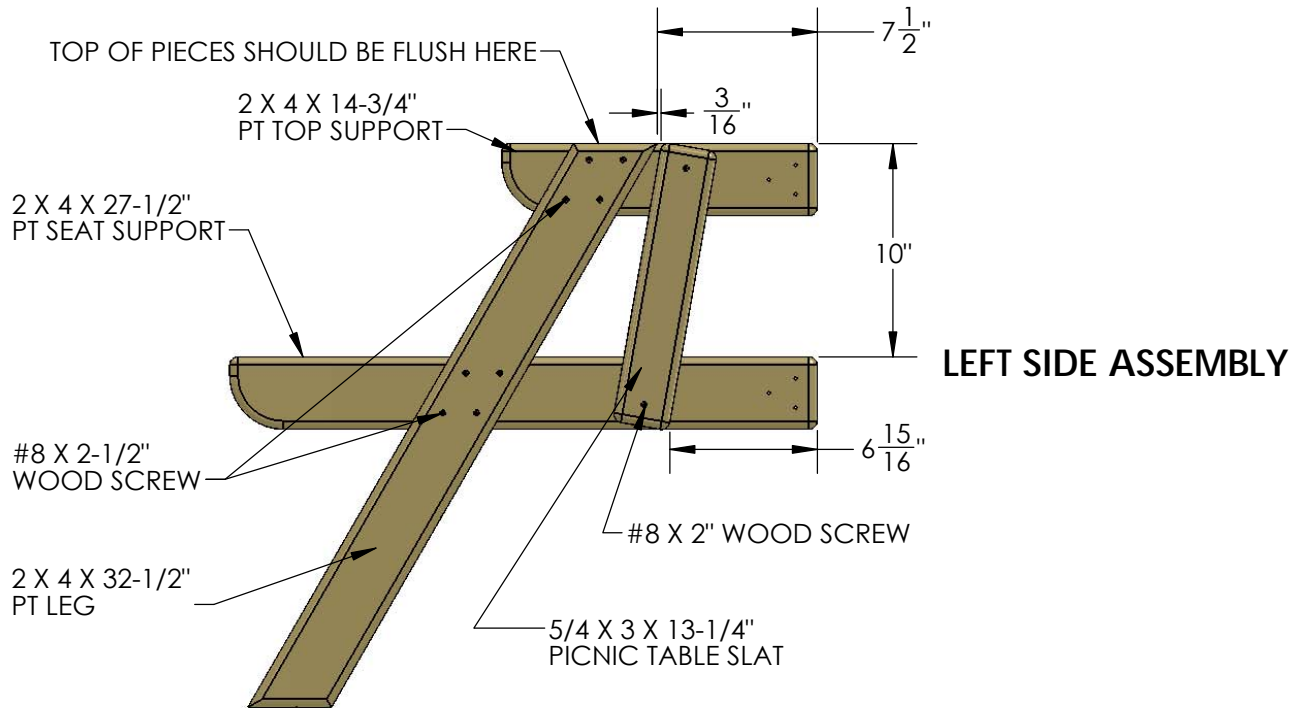
## STEP 34: PICNIC TABLE

1: LOCATE TWO 2 X 4 X 14-3/4" PT TOP SUPPORTS, TWO 2 X 4 X 27-1/2" PT SEAT SUPPORTS, TWO 2 X 4 X 32-1/2" PT LEGS AND TWO 5/4 X 3 X 13-1/4" PICNIC TABLE SLATS.

2: FOR THE LEFT SIDE ASSEMBLY, PLACE A 2 X 4 X 14-3/4" PT TOP SUPPORT AND A 2 X 4 X 27-1/2" PT SEAT SUPPORT PARALLEL TO ONE ANOTHER. PLACE A 2 X 4 X 32-1/2" PT LEG ON TOP AT THE 7-1/2" DIMENSION. THE TOP OF THE PT LEG SHOULD BE FLUSH TO THE TOP OF THE PT TOP SUPPORT. ATTACH THE PT LEG TO THE SUPPORTS WITH #8 X 2-1/2" WOOD SCREWS.

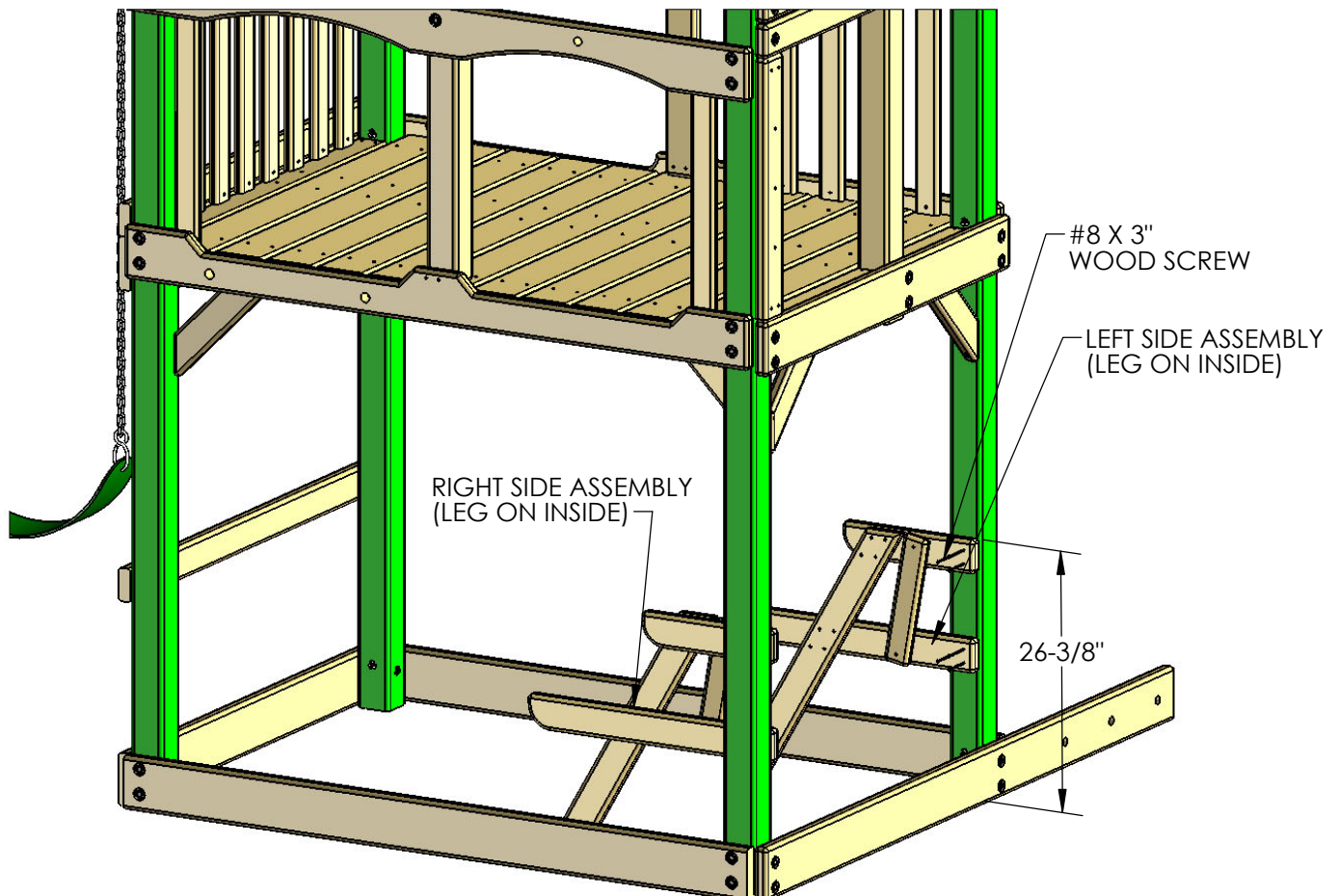
3: FOR THE RIGHT SIDE ASSEMBLY, PLACE A 2 X 4 X 14-3/4" PT TOP SUPPORT AND A 2 X 4 X 27-1/2" PT SEAT SUPPORT PARALLEL TO ONE ANOTHER. PLACE A 2 X 4 X 32-1/2" PT LEG ON TOP AT THE 7-1/2" DIMENSION. THE TOP OF THE PT LEG SHOULD BE FLUSH TO THE TOP OF THE PT TOP SUPPORT. ATTACH THE PT LEG TO THE SUPPORTS WITH #8 X 2-1/2" WOOD SCREWS.

4: PLACE THE PICNIC TABLE SLAT NEXT TO THE PICNIC TABLE LEG FOR EACH ASSEMBLY BELOW. LEAVE A 3/16" GAP BETWEEN THE TOP OF THE SLAT AND THE LEG. USE THE 6-15/16" DIMENSION TO LOCATE THE BOTTOM END OF THE SLAT. FASTEN THE PICNIC TABLE SLAT TO THE SUPPORTS WITH TWO #8 X 2" WOOD SCREWS.



## STEP 35: PICNIC TABLE

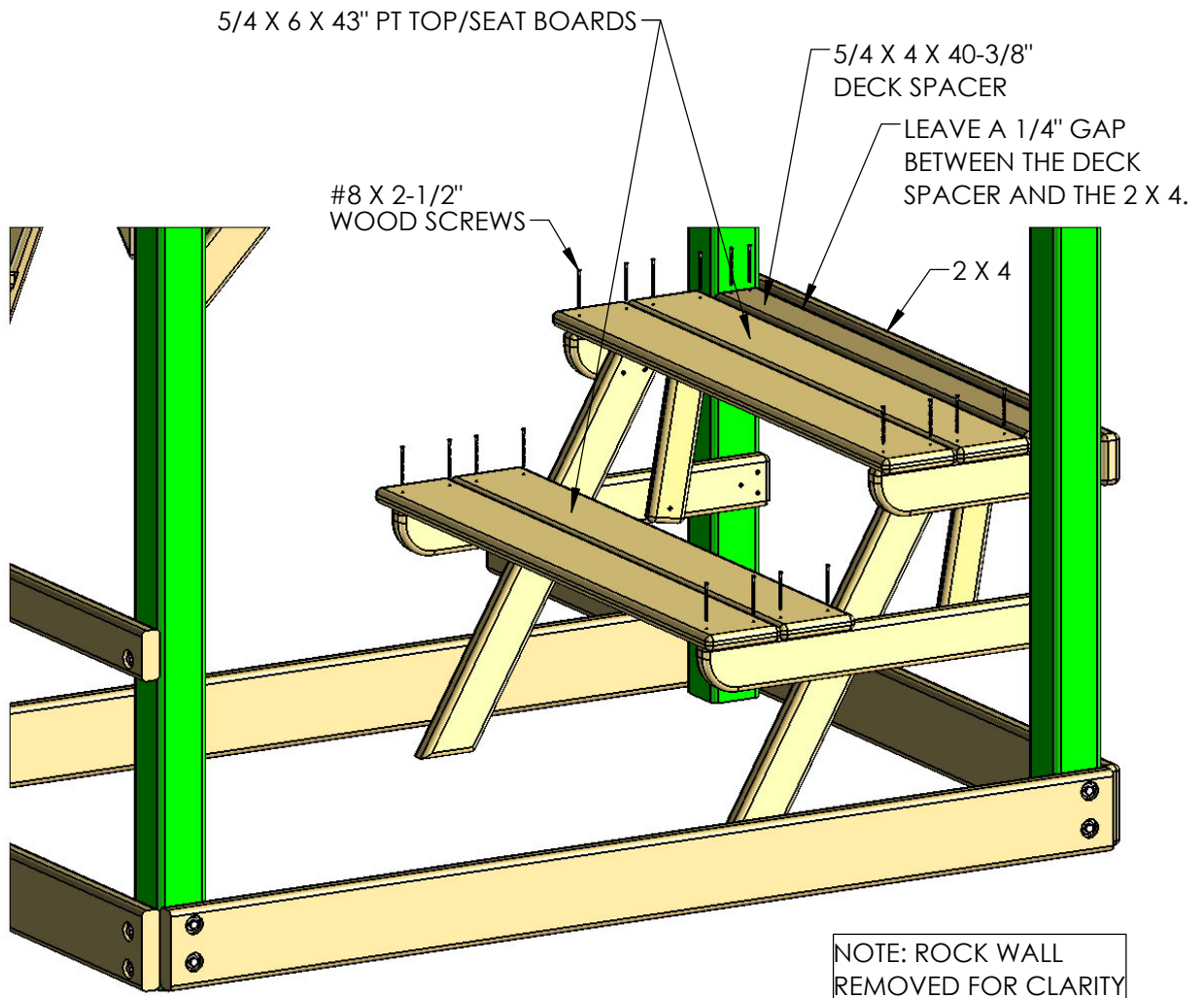
- 1: MEASURE 26-3/8" FROM THE BOTTOM OF THE CORNER POSTS ON THE RIGHT SIDE OF THE PLAYSET. MAKE MARKS ON THE INSIDE OF THE CORNER POSTS WITH A PEN OR PENCIL AT 26-3/8"
- 2: PLACE THE TOP OF THE RIGHT SIDE ASSEMBLY FLUSH TO THE MARK ON THE RIGHT FRONT CORNER POST. ATTACH THE RIGHT SIDE ASSEMBLY TO THE INSIDE OF THE CORNER POST WITH #8 X 3" WOOD SCREWS.
- 3: PLACE THE TOP OF THE LEFT SIDE ASSEMBLY FLUSH TO THE MARK ON THE RIGHT REAR CORNER POST. ATTACH THE LEFT SIDE ASSEMBLY TO THE INSIDE OF THE CORNER POST WITH #8 X 3" WOOD SCREWS.



NOTE: ROCK WALL AND LADDER REMOVED FOR CLARITY.

## STEP 36: PICNIC TABLE

- 1: LOCATE FOUR 5/4 X 6 X 43" PT TOP AND SEAT BOARDS AND ONE 5/4 X 4 X 40-3/8" DECK SPACER.
- 2: CENTER THE HOLES IN THE PT TOP AND SEAT BOARDS OVER THE TOP SUPPORTS OR SEAT SUPPORTS.
- 3: FASTEN THE PT TOP AND SEAT BOARDS TO THE TOP OR SEAT SUPPORTS WITH #8 X 2-1/2" WOOD SCREWS.
- 4: LEAVE A 1/4" GAP BETWEEN THE DECK SPACER AND THE 2 X 4 AS SHOWN. CENTER THE DECK SPACER BETWEEN THE CORNER POSTS. FASTEN WITH #8 X 2-1/2" WOOD SCREWS.



## STEP 37: ROPE LADDER

1: FIND THREE ROPE LADDER ROPES. MAKE A KNOT IN THE END OF EACH ROPE AND THREAD THE FREE END THROUGH THE BACK SIDE OF THE ROPE LADDER SUPPORT. PULL EACH ROPE TAUGHT.

2: MEASURE DOWN FROM THE BOTTOM OF THE ROPE LADDER SUPPORT 14" AND TIE A KNOT. THE BOTTOM OF THE KNOT SHOULD BE 14 INCHES BELOW THE ROPE LADDER SUPPORT. SLIDE EACH ROPE THROUGH THE HOLES IN ONE ROPE LADDER RUNG. SLIDE THE RUNG UP AGAINST THE BOTTOM OF THE KNOTS.

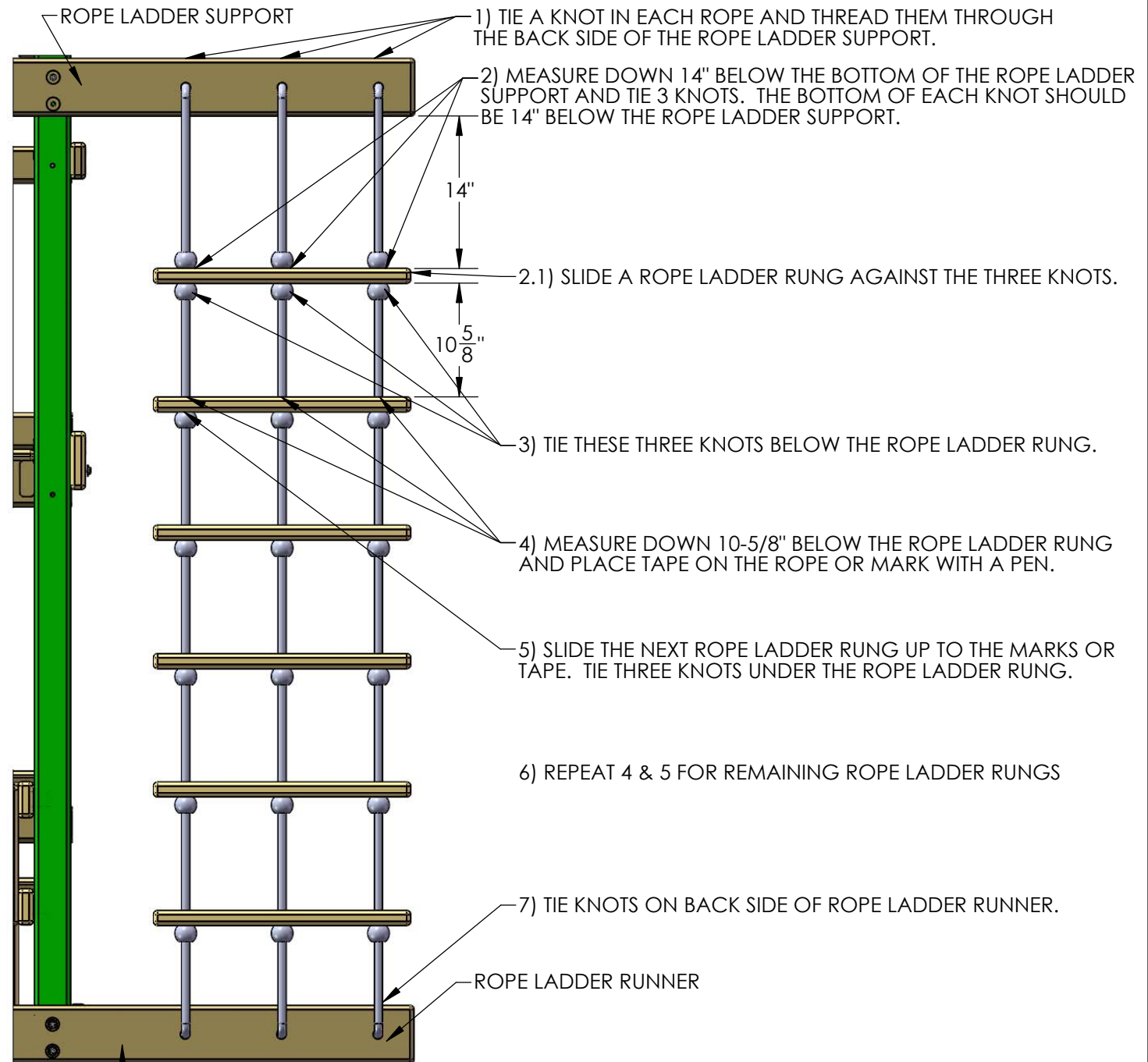
3: TIE THREE KNOTS BELOW THE ROPE LADDER RUNG.

4: MEASURE DOWN FROM THE BOTTOM OF THE ROPE LADDER RUNG 10-5/8" AND MAKE A MARK ON THE ROPE WITH A PIECE OF TAPE OR A MARKER. THREAD ANOTHER ROPE LADDER RUNG ONTO THE HOLES.

5: WITH THE TOP OF THE RUNG EVEN WITH THE 10-5/8" MARK TIE THREE KNOTS BELOW THE SECOND ROPE LADDER RUNG.

6: REPEAT SUBSTEPS 4-5 FOR THE REMAINING ROPE LADDER RUNGS.

7: THREAD THE BOTTOM END OF EACH ROPE THROUGH THE HOLES IN THE ROPE LADDER RUNNER AND TIE THEM OFF. GRAB EACH ROPE AND ATTEMPT TO WRAP IT AROUND YOUR HAND. IF THE ROPE WRAPS AROUND YOUR HAND IT IS TOO LOOSE. IF THE ROPE IS TOO LOOSE UNTIE THE KNOT BEHIND THE ROPE LADDER RUNNER AND RETIE IT UNTIL YOU CAN NO LONGER WRAP THE ROPE AROUND YOUR HAND.



THIS IS THE VIEW AS IF YOU WERE STANDING AT THE RIGHT SIDE OF THE PLAY SET.



## STEP 38: END PANEL AND VERTICAL FRAME BOARDS

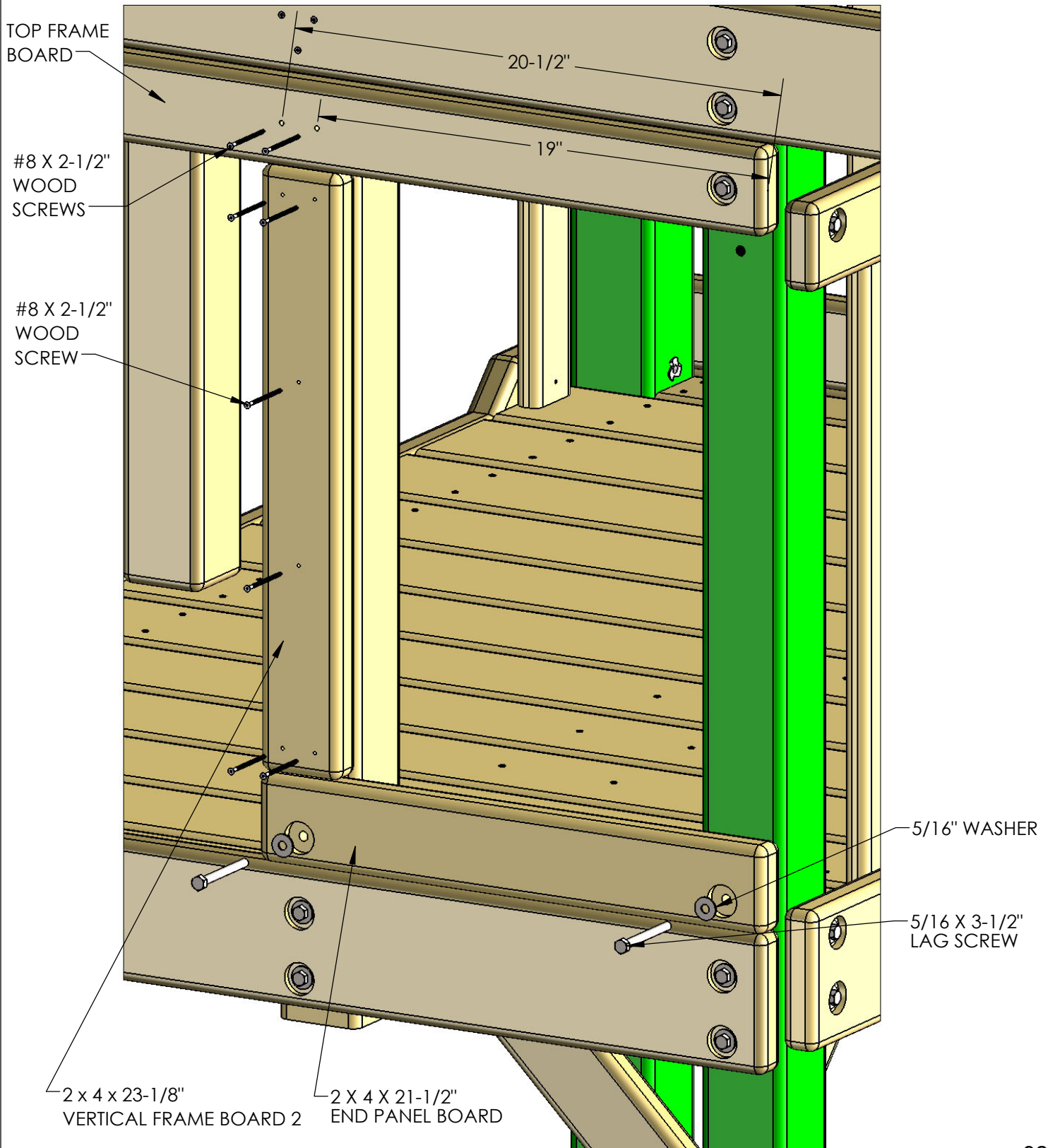
1: FIND THE 2 X 4 X 21-1/2" END PANEL BOARD AND THE 2 X 4 X 23-1/8" VERTICAL FRAME BOARD 2.

2: PLACE THE 2 X 4 X 21-1/2" END PANEL BOARD ABOVE THE 2 X 6 X 47-1/2" BOTTOM FRAME BOARD. FASTEN IT TO THE CENTER POST AND CORNER POST WITH 5/16 X 3-1/2" LAG SCREWS AND 5/16" WASHERS.

3: PLACE THE 2 X 4 X 23-1/8" VERTICAL FRAME BOARD 2 ON TOP OF THE POST. THE SIDES OF THE BOARD SHOULD BE FLUSH TO THE SIDES OF THE POST. FASTEN VERTICAL FRAME BOARD 2 TO THE POST WITH #8 X 2-1/2" WOOD SCREWS.

4: DRILL TWO 1/8" HOLES AT 19" AND 20-1/2" INTO THE TOP FRAME BOARD ALONG THE CENTER VERTICALLY. INSTALL #8 X 2-1/2" WOOD SCREWS IN THE HOLES.

**RIGHT SIDE OF FORT WHERE TUBE SLIDE WILL BE PLACED SHOWN BELOW.**

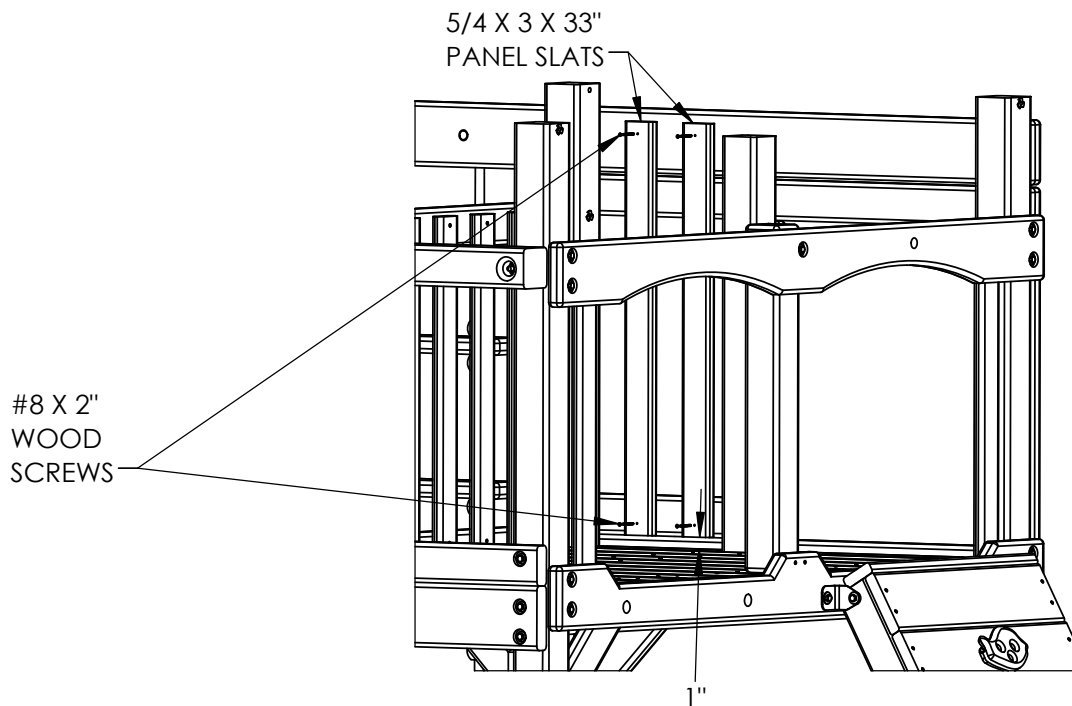


## STEP 38A: PANEL SLATS

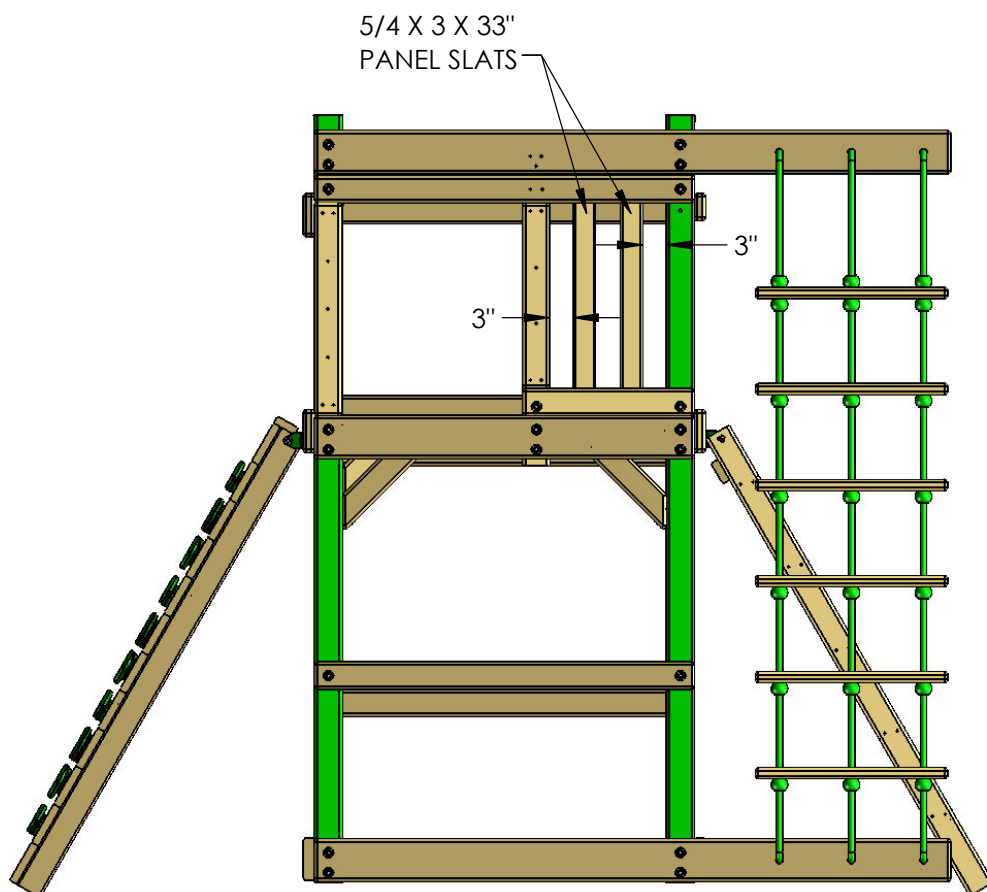
1: LOCATE TWO 5/4 X 3 X 33" PANEL SLATS.

2: PLACE THE SLATS AS SHOWN ON THE INSIDE OF FORT SPACING THEM 1" OFF THE DECK AND 3" AWAY FROM THE POSTS.

3: FASTEN EACH PANEL SLAT WITH #8 X 2" WOOD SCREWS.



NOTE: SOME BOARDS  
REMOVED FOR CLARITY.



## STEP 39: 5' QUICK CONNECT TURBO SLIDE

1: ASSEMBLE THE 5' QUICK CONNECT TURBO SLIDE USING THE INSTRUCTIONS INCLUDED WITH THE SLIDE NOTING THE OPTIONS/EXCEPTIONS BELOW:

2: USE STEP 16A EXIT ASSEMBLY (LOW SETTING) TO CONSTRUCT THE EXIT ASSEMBLY

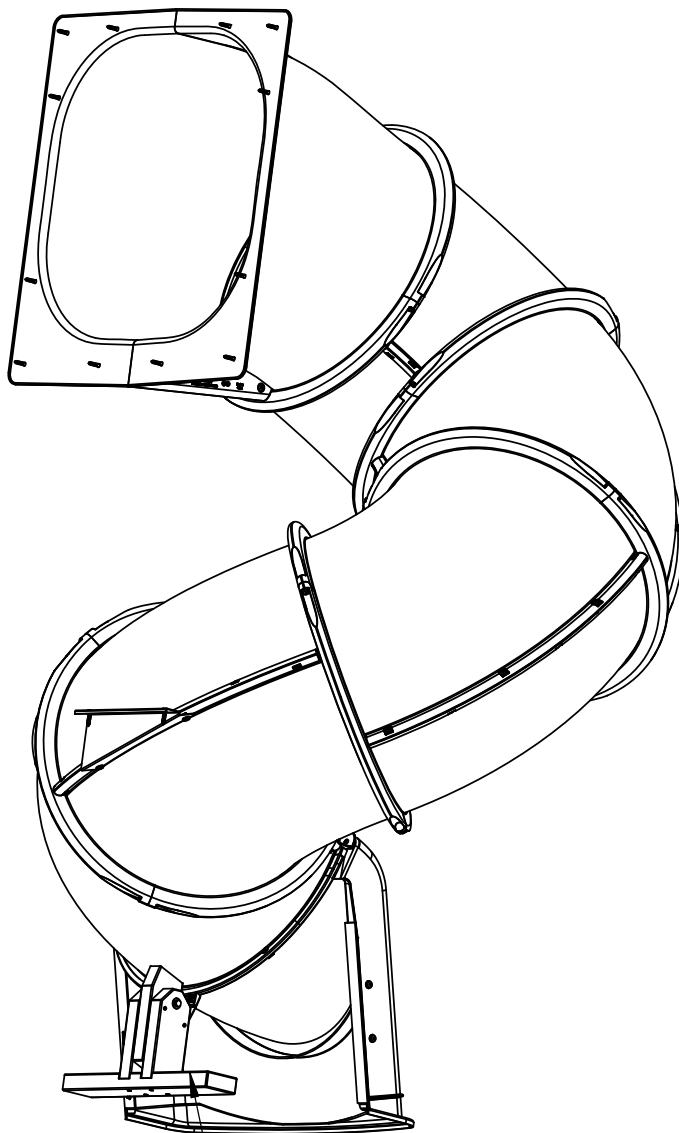
3: USE STEP 17A EXIT SUPPORT ASSEMBLY (LOW SETTING) TO CONSTRUCT THE EXIT SUPPORT ASSEMBLY.

4: USE STEPS 18A AND 18B TO CONNECT THE EXIT SECTION TO THE EXIT ASSEMBLY.

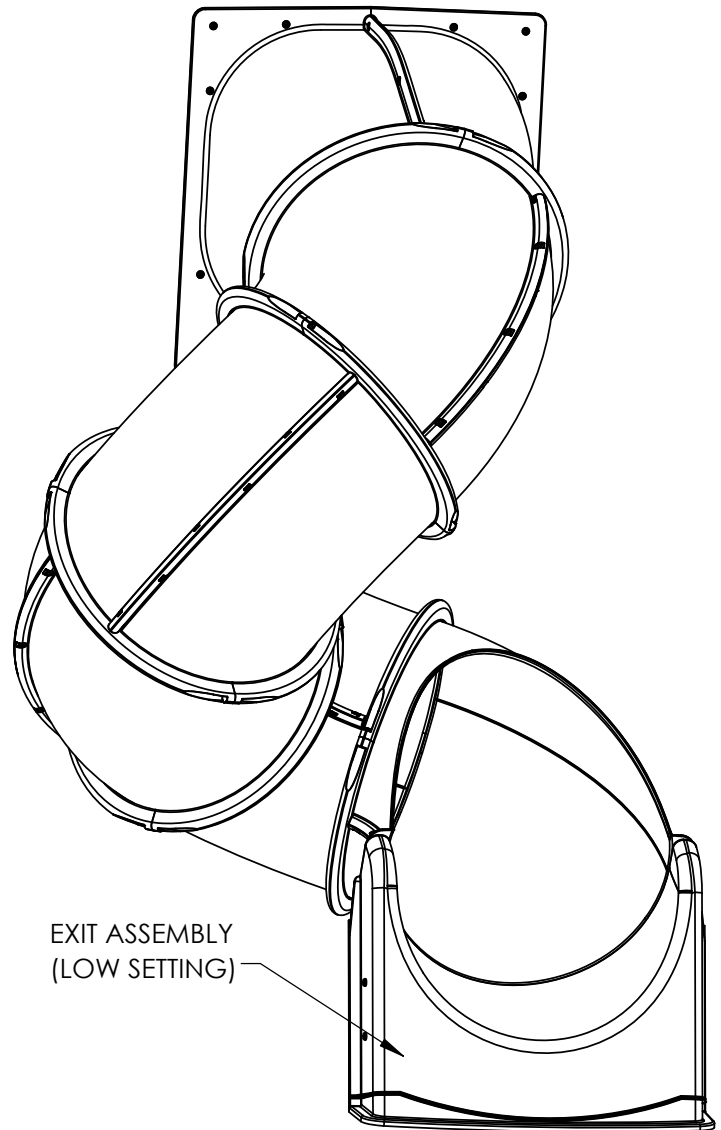
5: SKIP STEPS 19 & 20

6: USE STEP 21A TO CONNECT THE EXIT SUPPORT TO THE EXIT BRACKET (LOW SETTING)

NOW YOU ARE READY TO CONNECT THE SLIDE TO THE PLAYSET IN THE NEXT STEP.



EXIT SUPPORT ASSEMBLY  
(LOW SETTING)

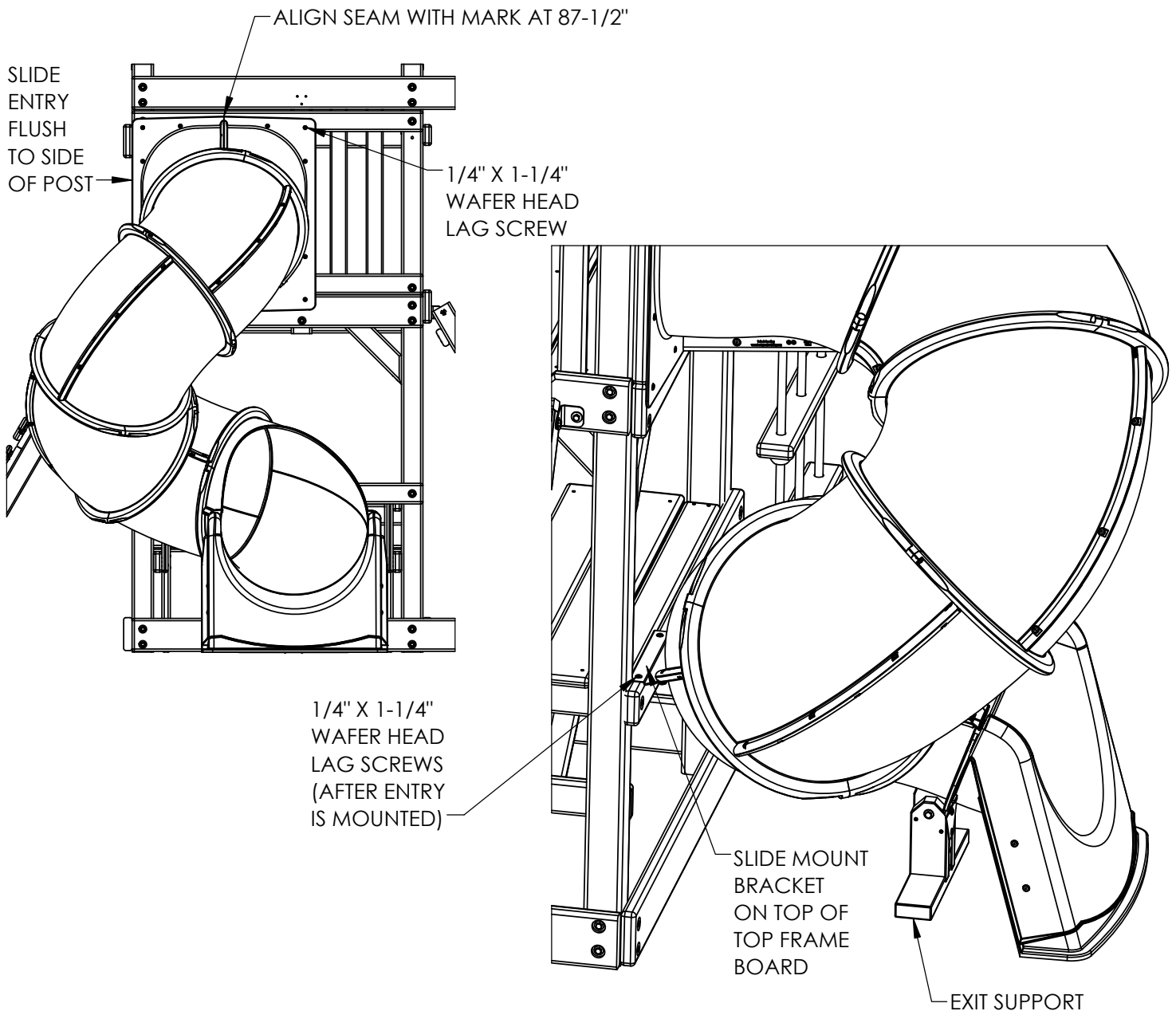


EXIT ASSEMBLY  
(LOW SETTING)

## STEP 39A: ATTACHING THE SLIDE TO THE FORT

IT IS BEST TO USE AN ASSISTANT FOR THIS STEP.

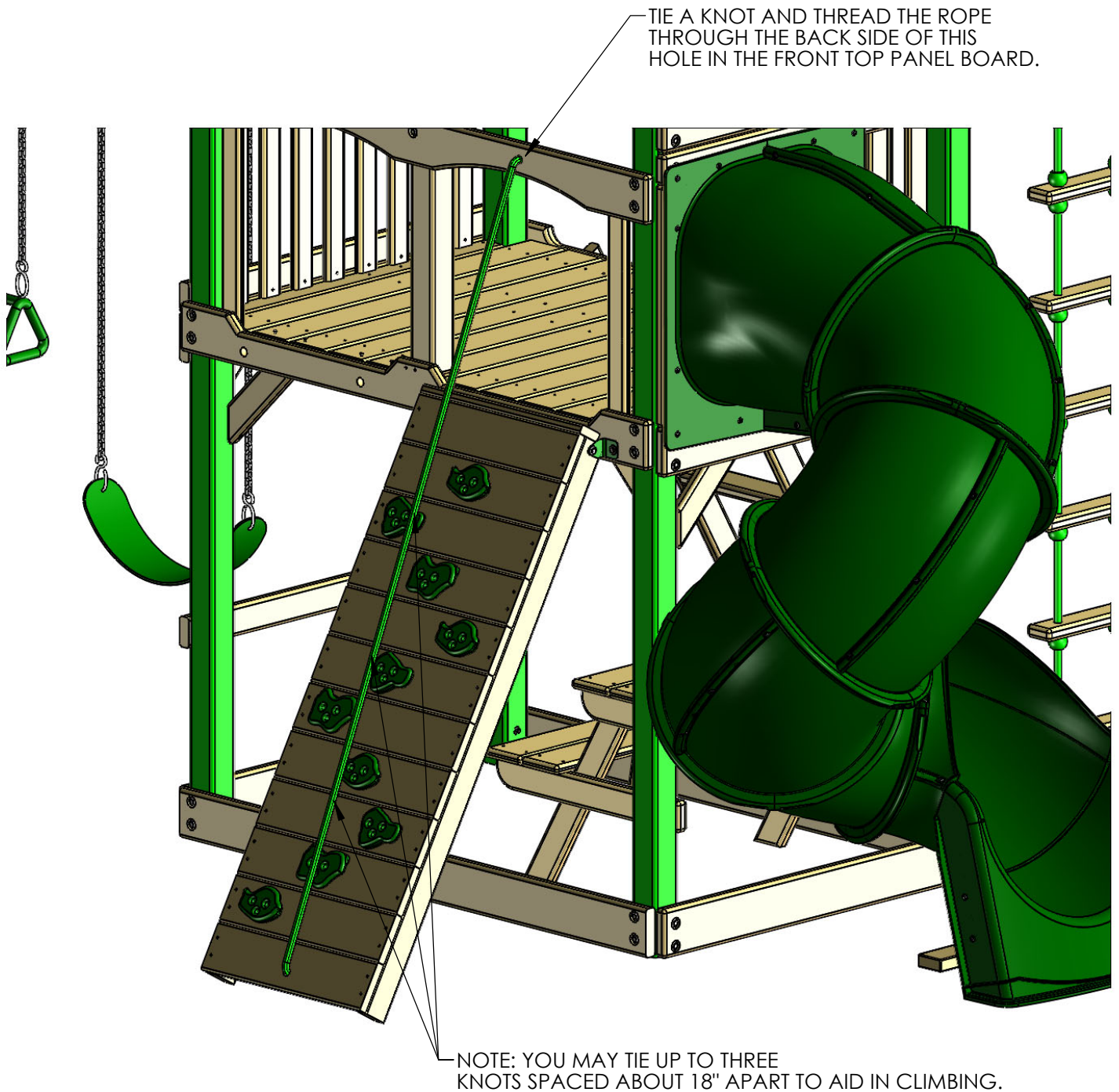
- 1: AS YOU ARE LIFTING THE SLIDE BE CAREFUL NOT TO DRAG THE WOOD EXIT SUPPORT AS THIS MAY DAMAGE THE PLASTIC FLANGE WHERE IT IS ATTACHED.
- 2: LIFT THE SLIDE AND PLACE THE SLIDE MOUNT BRACKET ON TOP OF THE TOP FRAME BOARD.
- 3: POSITION THE CENTER OF THE ENTRY SEAM AT THE 87-1/2" MARK YOU MADE EARLIER IN THE INSTRUCTIONS.
- 4: THE LEFT SIDE OF THE SLIDE ENTRY SHOULD ALIGN FLUSH TO THE SIDE OF THE POST.
- 5: HAVE AN ASSISTANT HOLD THE SLIDE IN PLACE WHILE YOU MAKE MARKS AT ALL OF THE HOLES IN THE ENTRY.
- 6: DRILL TWELVE 1/8" DIAMETER BY 1" DEEP HOLES AT EACH MARK.
- 7: INSTALL A 1/4" X 1-1/4" WAFER HEAD LAG SCREW AT EACH HOLE.
- 8: GO TO THE SLIDE MOUNT BRACKET AND DRILL A 1/8" DIAMETER BY 1-1/4" DEEP HOLE THROUGH EACH HOLE IN THE BRACKET. INSTALL A 1/4" X 1-1/4" WAFER HEAD LAG SCREW AT EACH HOLE.



## STEP 40: INSTALLING THE ROCK WALL ROPE

1: TIE A KNOT AT ONE END OF THE 10' ROPE AND THREAD IT THROUGH THE BACK SIDE OF THE HOLE IN THE FRONT TOP PANEL BOARD.

2: THE UNTIED END WILL GO THROUGH THE HOLE OF THE BOTTOM ROCK WALL BOARD. TIE A SECURE KNOT AT THE END MAKING SURE THAT THE ROPE IS TIGHT AND WILL NOT WRAP AROUND YOUR HAND. HINT: TO REDUCE THE AMOUNT OF SLACK IN THE ROPE, LIFT THE ROCK WALL ASSEMBLY SLIGHTLY WHEN TYING THE KNOT IN THE BOTTOM ROCK WALL BOARD. WHEN YOU LOWER THE ASSEMBLY, THE ROPE WILL TIGHTEN.



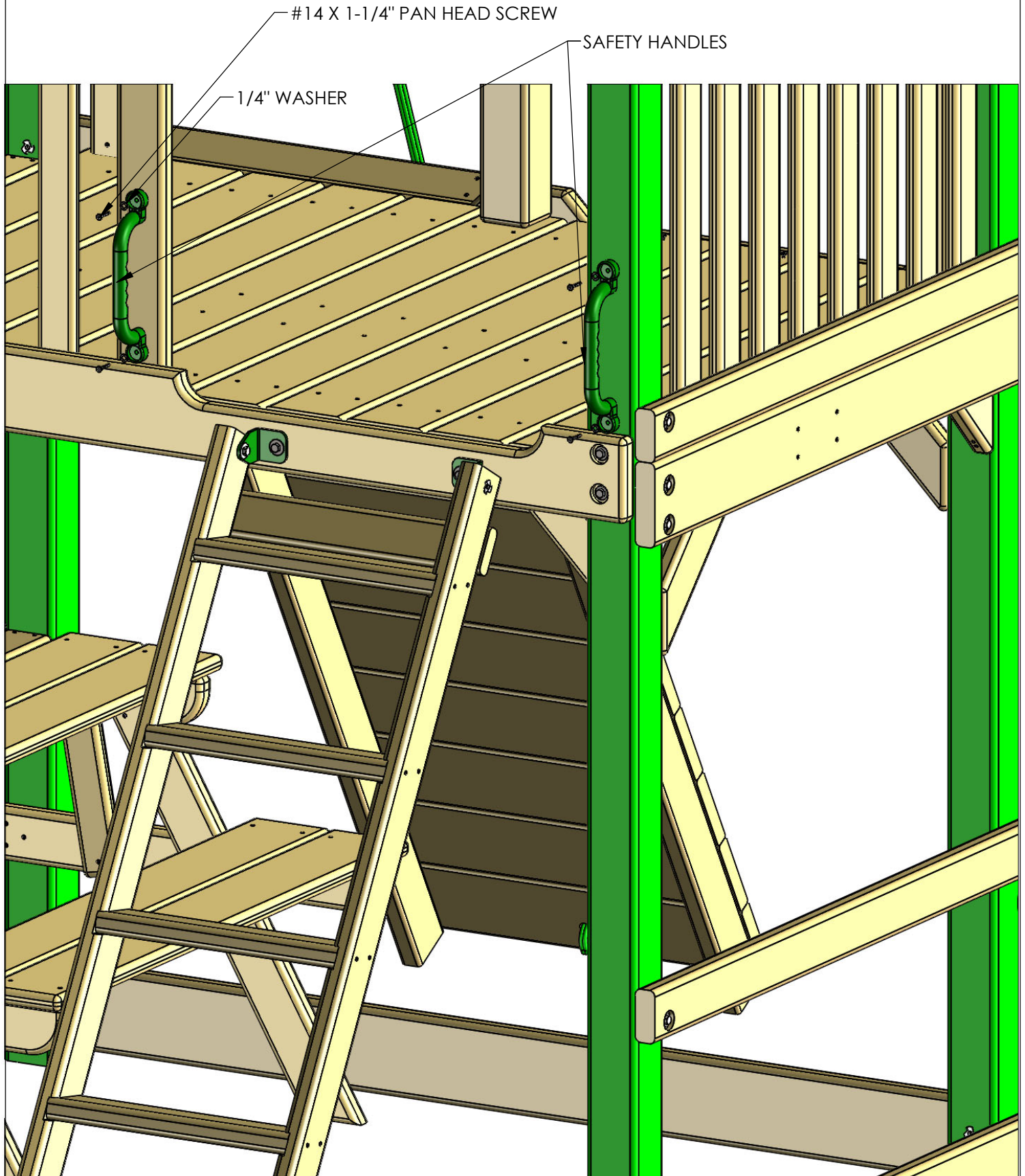


## STEP 41: SAFETY HANDLES

1: LOCATE THE SAFETY HANDLE BAG.

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

3: ATTACH EACH SAFETY HANDLE TO THE CENTER POST OR CORNER POST WITH TWO PAN HEAD SCREWS AND TWO WASHERS PROVIDED WITH THE SAFETY HANDLES.



## DETOUR 4

GO TO APPENDIX AND FOLLOW STEPS 17-20 OF SKYLOFT INSTRUCTIONS. FOLLOW THE REMAINDER OF THE MAIN MANUAL SKIPPING STEP 42.



## STEP 42: TELESCOPE

1: THE TELESCOPE MAY BE INSTALLED ON THE TOP OF A RAILING IN ANY AREA THAT DOES NOT INTERFERE WITH ANOTHER PLAY ACTIVITY.

SUGGESTED AREAS ARE THE REAR RAILING ON THE BACK OF THE PLAYSET OR ON THE RAILINGS ON THE CLATTER BRIDGE TOWER. INSTALLATION INSTRUCTIONS COME WITH THE TELESCOPE.

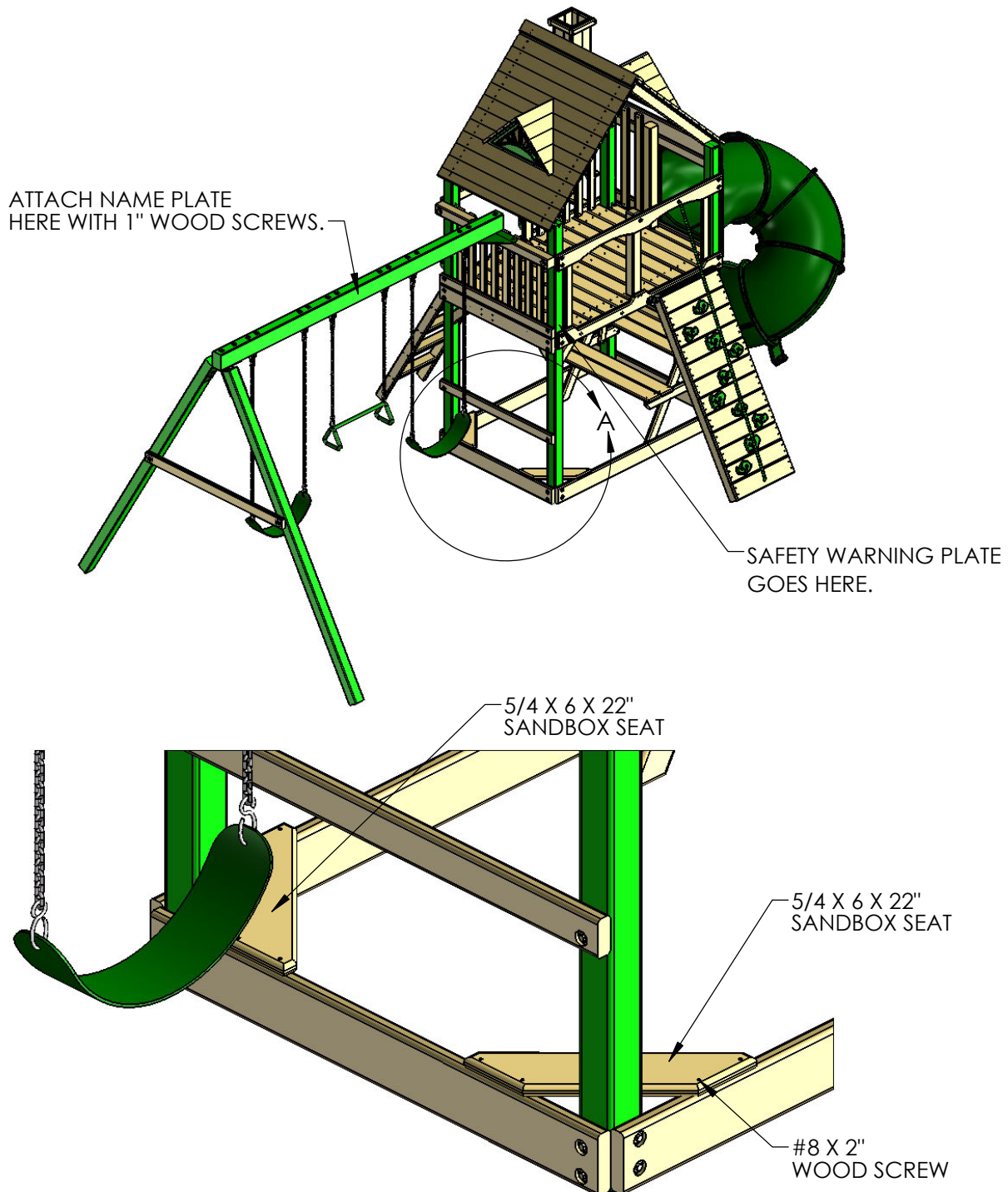
## STEP 43: FLAG KIT

IF YOU HAVE NOT ALREADY DONE SO, INSTALL THE FLAGS PER STEP 10 IN THE TREEHOUSE  
ADD ON KIT INSTRUCTIONS IN THE APPENDIX

RETURN TO THIS PAGE AND CONTINUE CONSTRUCTION.

## STEP 44: SANDBOX SEATS AND PLATES

- 1: PLACE THE 5/4 X 6 X 22" SANDBOX SEATS ONTO THE TOP OF THE SANDBOX BOARDS AS SHOWN BELOW.
- 2: ATTACH THE SANDBOX SEATS TO THE SANDBOX BOARDS WITH #8 X 2" WOOD SCREWS.
- 3: LOCATE THE NAME PLATE FOR YOUR PLAY SET. ATTACH THE NAME PLATE TO THE FRONT OF THE SWING BEAM WITH #8 X 1" WOOD SCREWS.
- 4: PLACE THE WARNING PLATE ON THE FRONT OF THE SET AND FASTEN WITH THE SCREWS PROVIDED WITH IT.

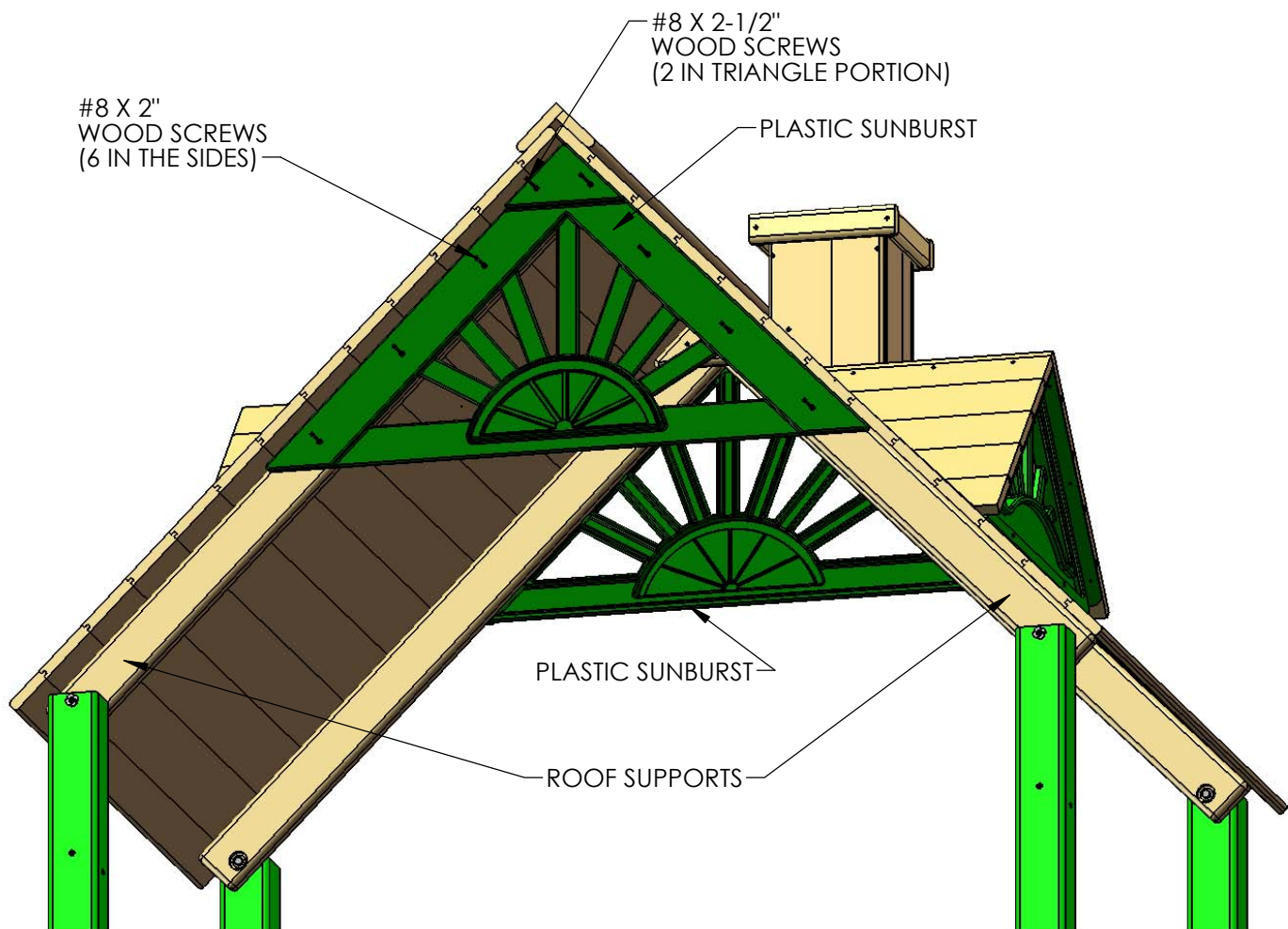


## STEP 45: PLASTIC SUNBURST

1: LOCATE ONE PLASTIC SUNBURST PIECE .

2: PLACE THE SUNBURST UNDER THE ROOF OVERHANG AT THE REAR OF THE PLAYSET. FIT IT AGAINST THE BOTTOM SIDE OF THE ROOF BOARDS AND AGAINST THE ROOF SUPPORTS.

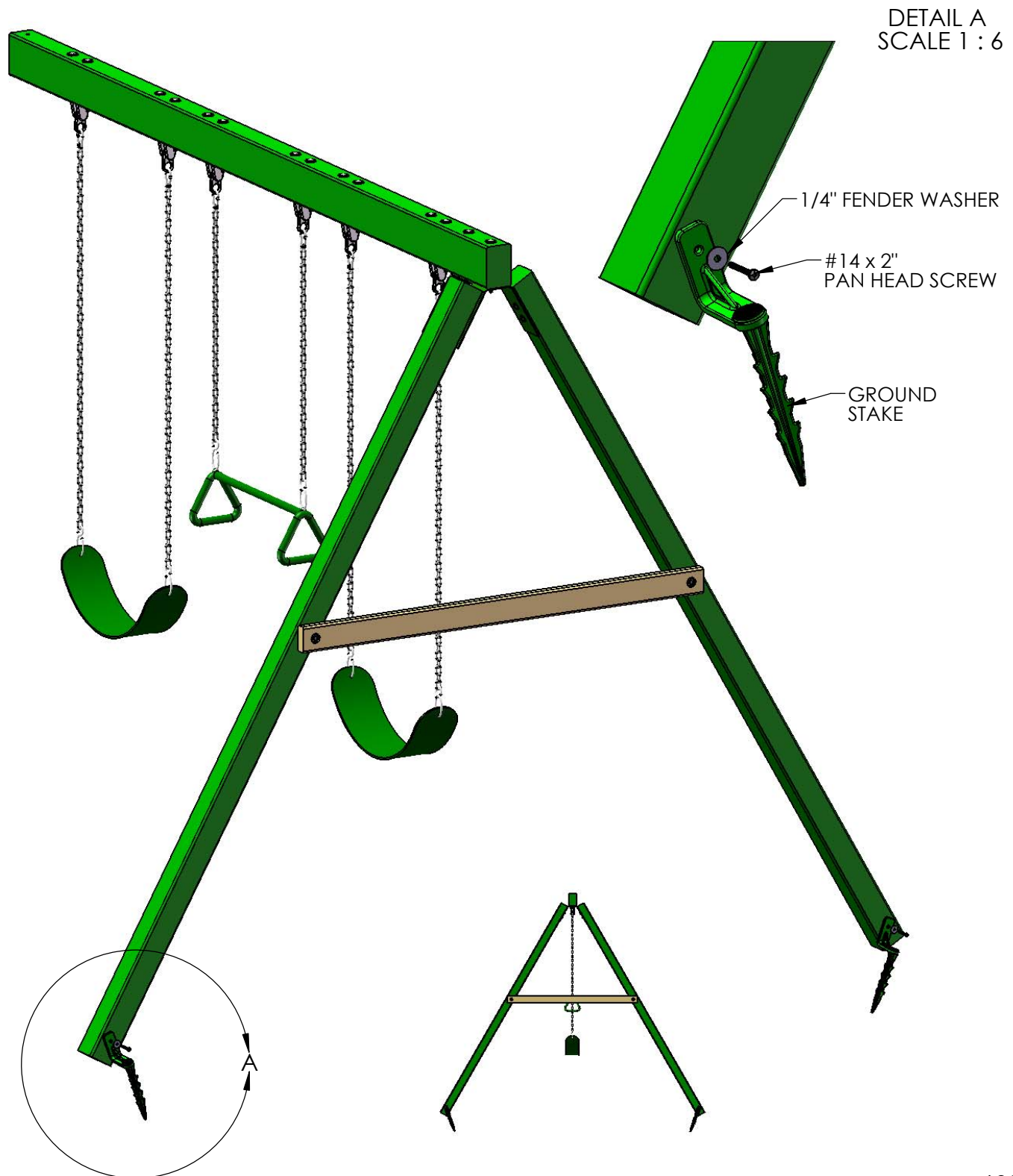
3: ATTACH THE PLASTIC SUNBURST WITH SIX #8 X 2" WOOD SCREWS ALONG THE SIDES. ATTACH THE TRIANGLE PORTION OF THE SUNBURST WITH TWO #8 X 2-1/2" WOOD SCREWS.



## STEP 46: GROUND STAKES

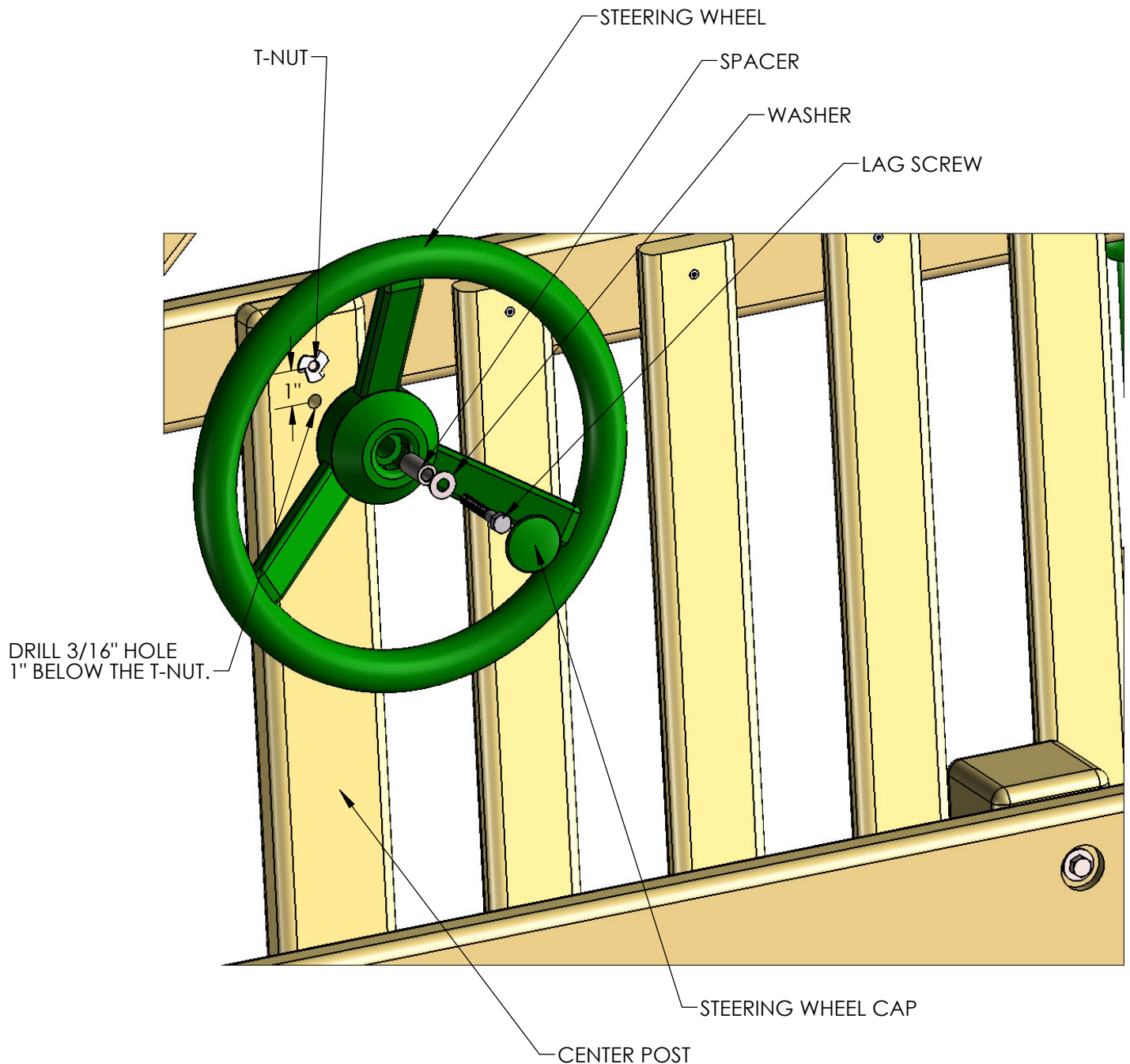
1: HAMMER A GROUND STAKE INTO THE EARTH NEXT TO EACH SWING LEG AT AN ANGLE. DO NOT HOLD THE UPPER PORTION OF THE STAKE AFTER THE FIRST COUPLE OF HITS OR IT MAY VIBRATE HARSHLY AGAINST YOUR HAND. IF THE TOP PART OF THE STAKE TWISTS WHEN IT ENCOUNTERS A ROCK OR ROOT YOU MAY HAVE TO BEND THE TOP PORTION OF THE STAKE AGAINST THE SWING LEG. FINALLY INSTALL THE SCREW AND WASHER.

2: ATTACH EACH GROUND STAKE TO THE SWING LEG WITH A #14 X 2" PAN HEAD SCREW AND A 1/4" FENDER WASHER PROVIDED WITH THE GROUND STAKE.



## STEP 47: STEERING WHEEL

- 1: GO TO THE REAR CENTER POST ON THE DECK.
- 2: DRILL A 3/16" PILOT HOLE BY 1" DEEP LOCATED 1" BELOW THE T-NUT INTO THE REAR CENTER POST.
- 3: PLACE THE SPACER INSIDE THE STEERING WHEEL.
- 4: SECURE THE STEERING WHEEL TO THE REAR CENTER POST WITH THE WASHER AND THE LAG SCREW RPOVIDED.
- 5: SNAP THE STEERING WHEEL CAP INTO THE HUB OF THE STEERING WHEEL.



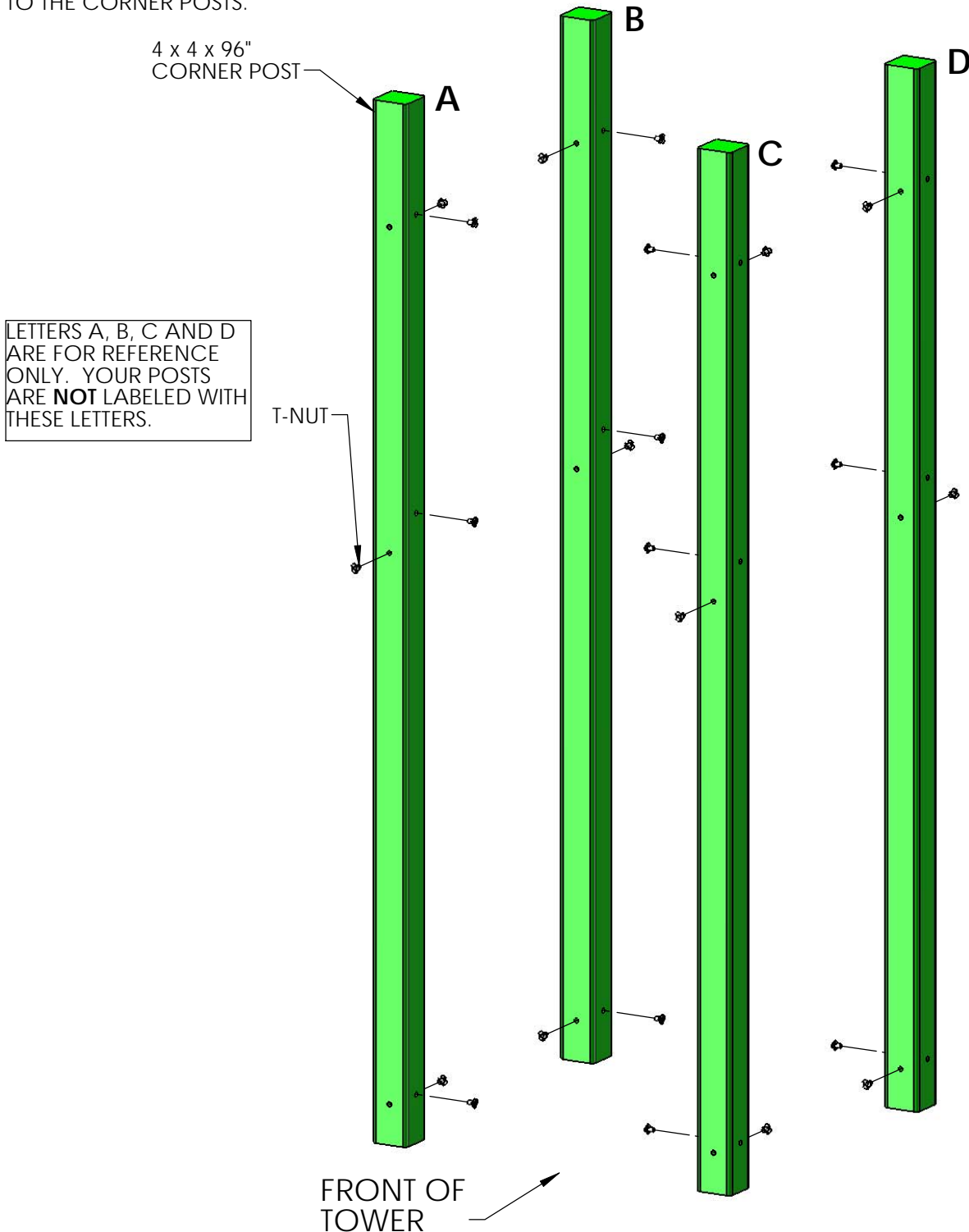
## **PART 2**

# **CLATTER BRIDGE ASSEMBLY**



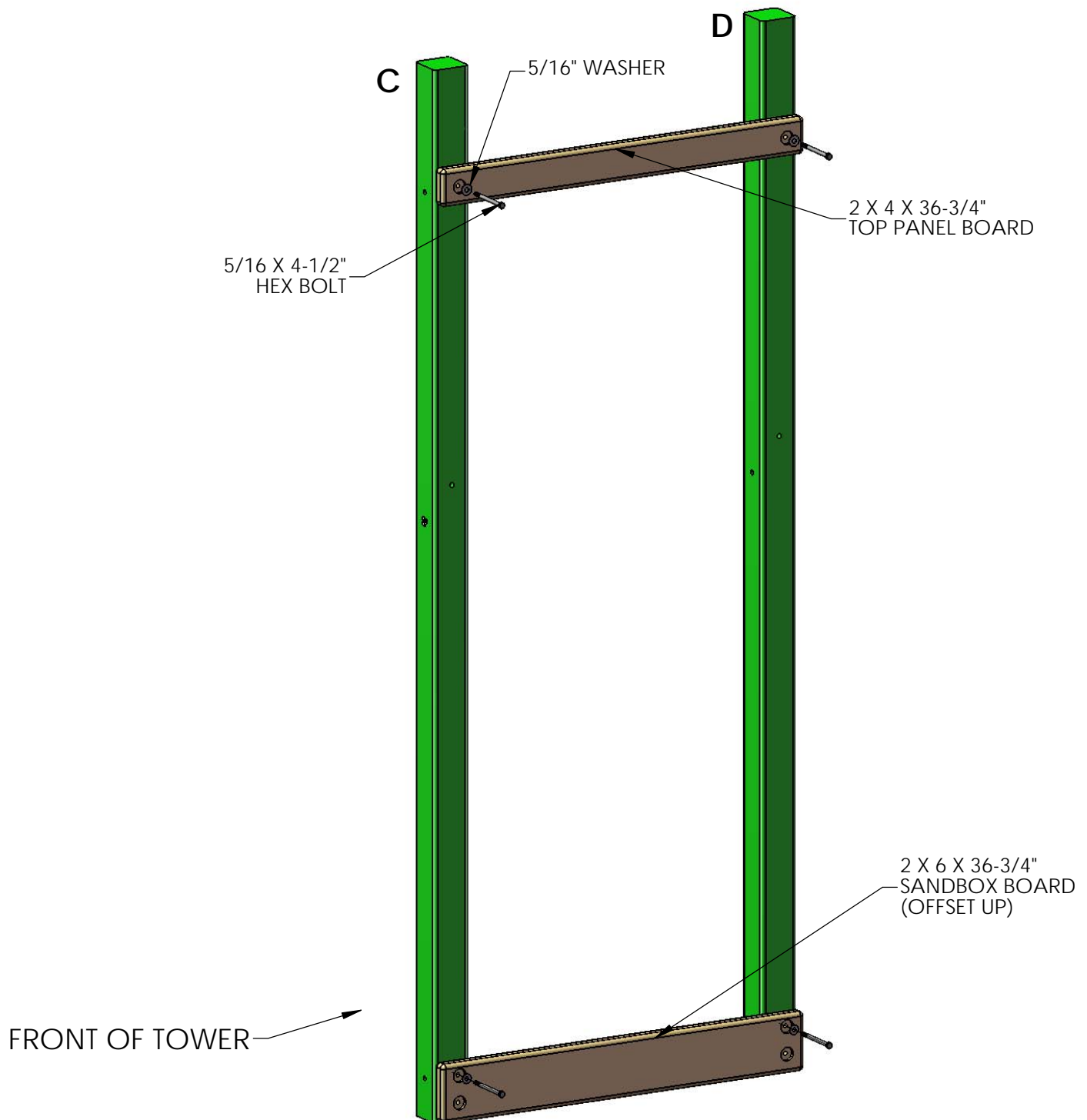
# STEP 1: ATTACHING T-NUTS TO THE CORNER POSTS

- 1: THIS STEP IS CRITICAL TO BUILDING THE FORT PROPERLY. IF ANY MISTAKES ARE MADE HERE, YOU WILL NEED TO DIS-ASSEMBLE AND THEN RE-ASSEMBLE TO MAKE YOUR CORRECTIONS.
- 2: MAKE SURE HOLES ARE FREE OF ANY OBSTRUCTIONS. USE A BOLT TO CLEAN OUT ANY DEBRIS.
- 3: LAY OUT EACH OF THE 4 X 4 X 96" CORNER POSTS IN THE AREA YOU INTEND ON BUILDING THE TOWER OF THE CLATTER BRIDGE.
- 4: USE THE DIAGRAM BELOW TO CORRECTLY IDENTIFY AND ORIENT THE NECESSARY DIRECTION THE POSTS SHOULD FACE. NOTE LETTERS A, B, C AND D ARE FOR REFERENCE ONLY. YOUR POSTS ARE **NOT** LABELED WITH THESE LETTERS.
- 5: USE A HAMMER TO SEAT THE T-NUTS AFTER INSERTING THEM INTO THE HOLES SHOWN IN THE DIAGRAM BELOW.
- 6: THE BARREL OF THE T-NUT SHOULD GO IN THE HOLE FIRST. HAMMER THE T-NUT UNTIL IT IS FLUSH/ALMOST FLUSH TO THE CORNER POSTS.



## STEP 2: ASSEMBLING THE RIGHT SIDE FRAME

- 1: LAY THE 2 X 6 X 36-3/4" SANDBOX BOARD ON TOP OF THE RIGHT SIDE CORNER POSTS AT THE BOTTOM OF THE CORNER POSTS. THE COUNTERSUNK HOLES IN THE SANDBOX BOARD MUST BE OFFSET UP.
- 2: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE TOP HOLES OF THE SANDBOX BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS. THE BOTTOM HOLES WILL BE USED LATER.
- 3: LAY THE 2 X 4 X 36-3/4" TOP PANEL BOARD ON TOP OF THE RIGHT SIDE CORNER POSTS.
- 4: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE COUNTERSUNK HOLES OF THE TOP PANEL BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS.
- 5: DO NOT INSTALL LAG SCREWS AT THIS TIME.



## STEP 3: ASSEMBLING THE LEFT SIDE FRAME

1: LAY THE 2 X 6 X 36-3/4" SANDBOX BOARD ON TOP OF THE LEFT SIDE CORNER POSTS AT THE BOTTOM OF THE CORNER POSTS. THE COUNTERSUNK HOLES IN THE SANDBOX BOARD MUST BE OFFSET UP.

2: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE TOP HOLES OF THE SANDBOX BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS. THE BOTTOM HOLES WILL BE USED LATER.

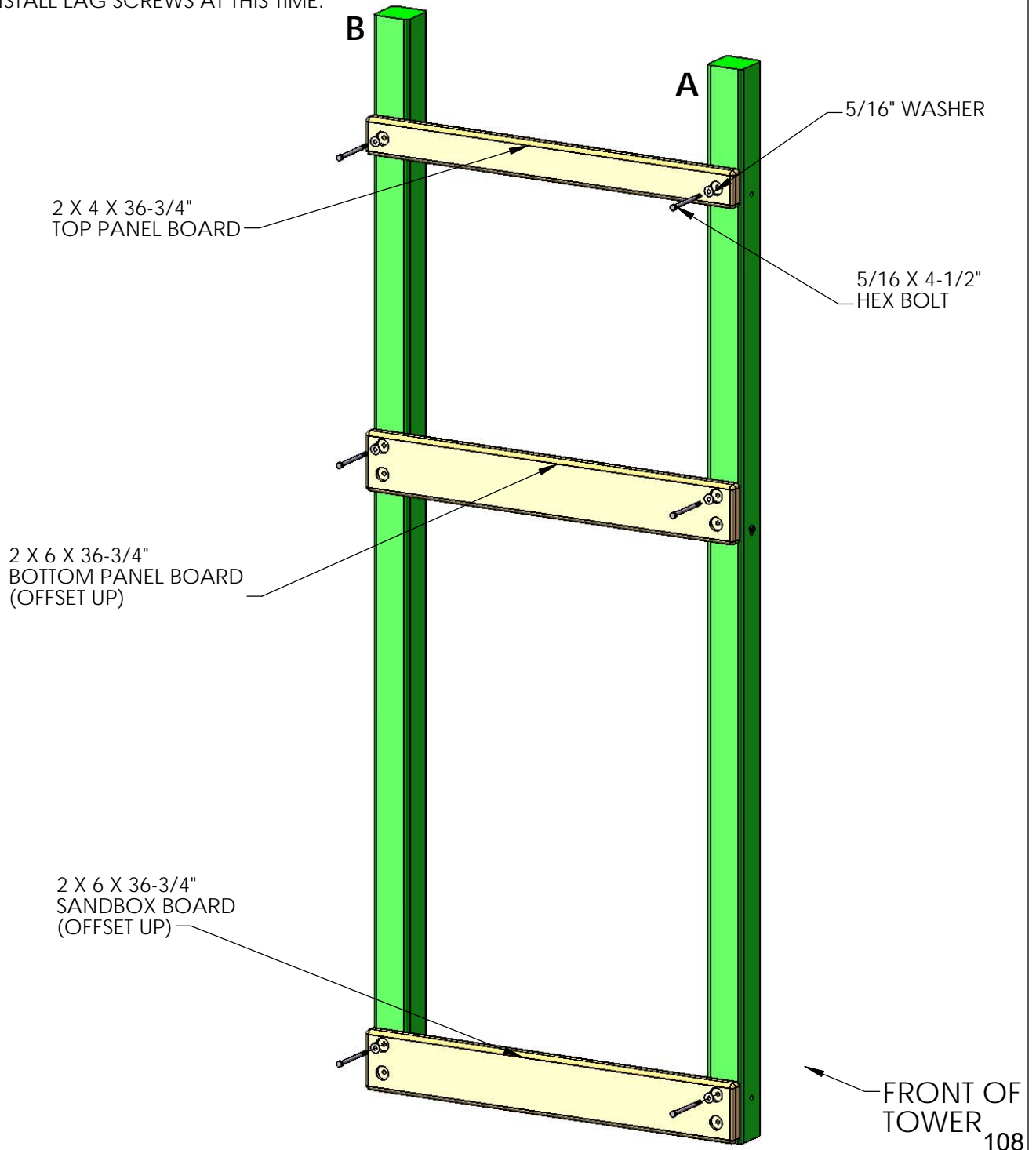
3: LAY THE 2 X 6 X 36-3/4" BOTTOM PANEL BOARD ON TOP OF THE LEFT SIDE CORNER POSTS IN THE MIDDLE OF THE CORNER POSTS. THE COUNTERSUNK HOLES IN THE BOTTOM PANEL BOARD MUST BE OFFSET UP.

4: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE TOP HOLES OF THE BOTTOM PANEL BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS. THE BOTTOM HOLES WILL BE USED LATER.

5: LAY THE 2 X 4 X 36-3/4" TOP PANEL BOARD ON TOP OF THE LEFT SIDE CORNER POSTS.

6: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE COUNTERSUNK HOLES OF THE TOP PANEL BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS.

7: DO NOT INSTALL LAG SCREWS AT THIS TIME.

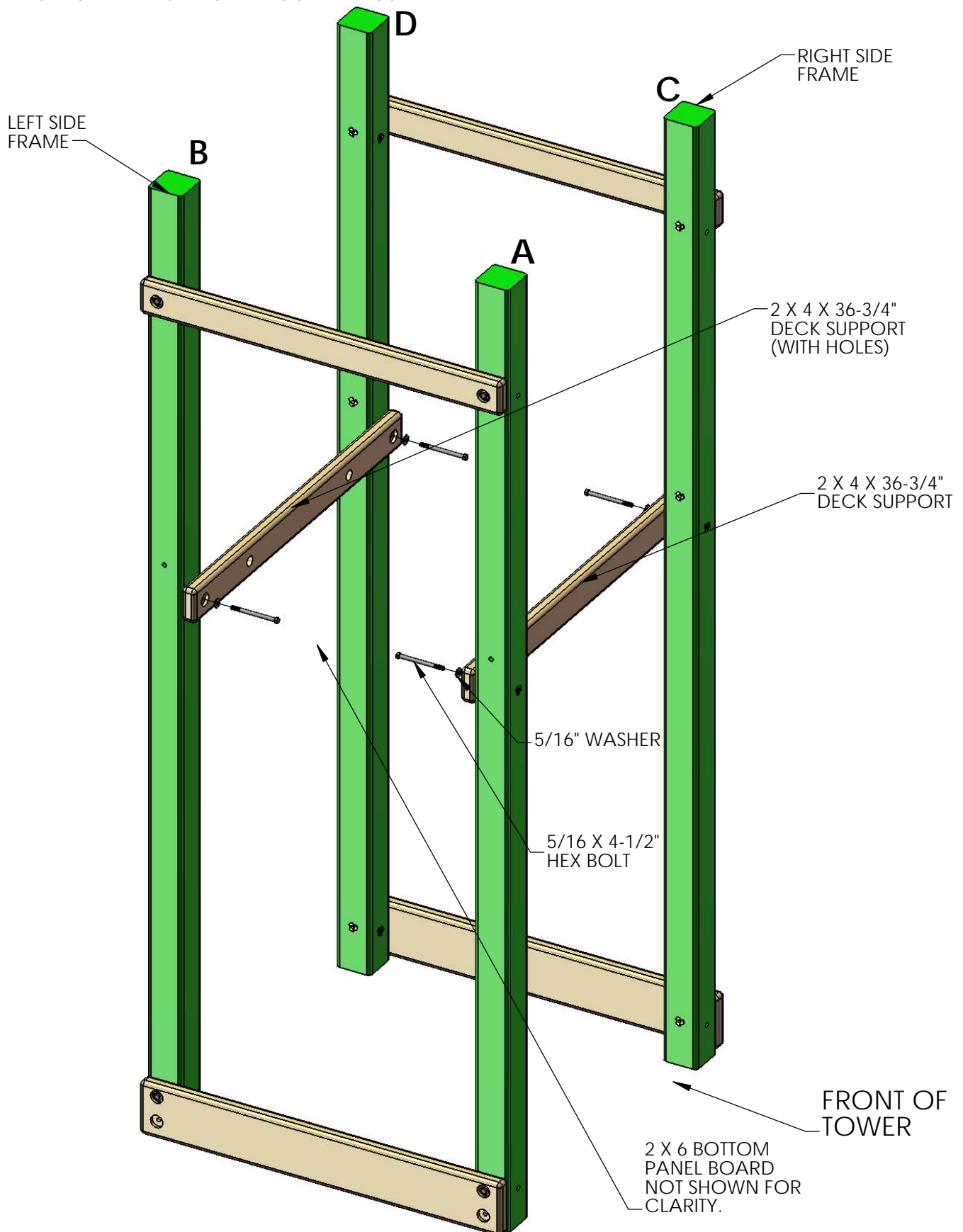


## STEP 4: DECK SUPPORTS

YOU WILL NEED AN EXTRA PERSON FOR THIS STEP.

1: WITH HELP, STAND UP THE LEFT AND RIGHT SIDE ASSEMBLIES.

2: FASTEN THE 2 X 4 X 36-3/4" DECK SUPPORTS TO THE HOLES AT 54-1/2" WITH 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS FROM THE INSIDE OF THE CORNER POST.



## STEP 5: FRONT FRAME ASSEMBLY

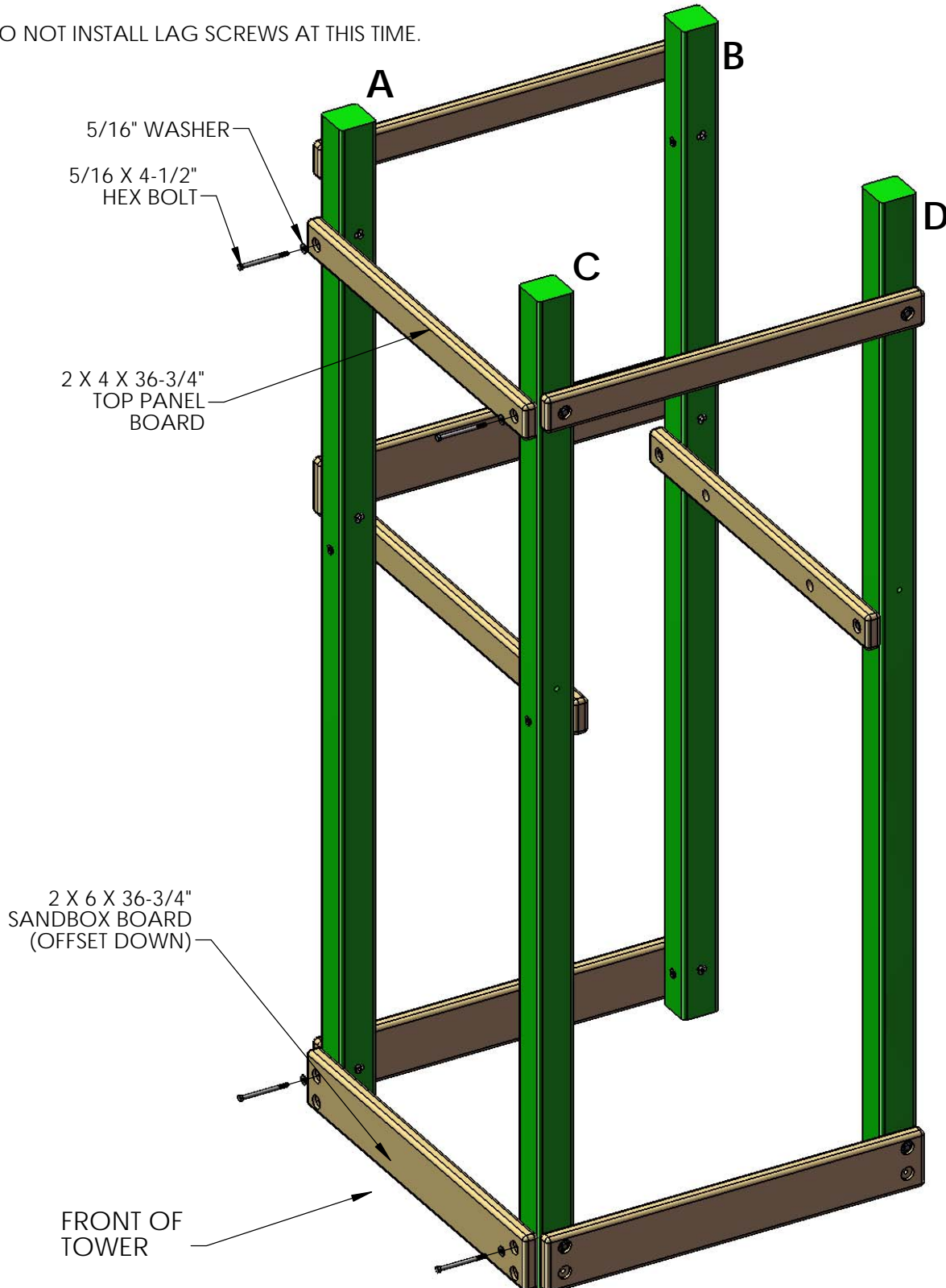
1: PLACE THE 2 X 6 X 36-3/4" SANDBOX BOARD ON THE FRONT OF THE CORNER POSTS. THE HOLES IN THE SANDBOX BOARD SHOULD BE OFFSET DOWN.

2: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE TOP HOLES OF THE SANDBOX BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS. THE BOTTOM HOLES WILL BE USED LATER.

3: PLACE THE 2 X 4 X 36-3/4" TOP PANEL BOARD ON THE FRONT OF THE CORNER POSTS.

4: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE HOLES OF THE TOP PANEL BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS.

5: DO NOT INSTALL LAG SCREWS AT THIS TIME.



## STEP 6: REAR FRAME ASSEMBLY

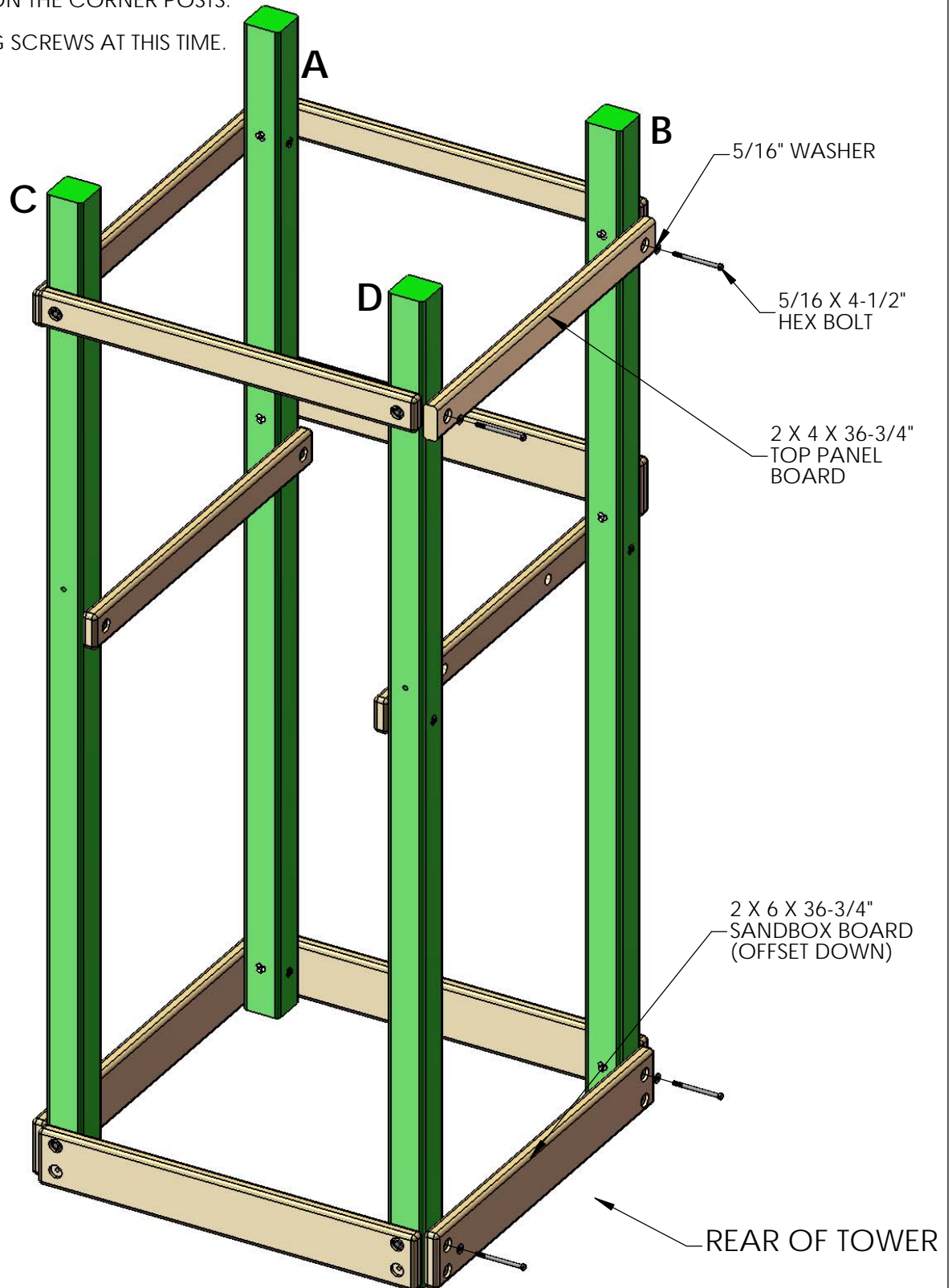
1: PLACE THE 2 X 6 X 36-3/4" SANDBOX BOARD ON THE REAR OF THE CORNER POSTS. THE HOLES IN THE SANDBOX BOARD SHOULD BE OFFSET DOWN.

2: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE TOP HOLES OF THE SANDBOX BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS. THE BOTTOM HOLES WILL BE USED LATER.

3: PLACE THE 2 X 4 X 36-3/4" TOP PANEL BOARD ON THE REAR OF THE CORNER POSTS.

4: USE 5/16 X 4-1/2" HEX BOLTS AND 5/16" WASHERS TO ATTACH THE HOLES OF THE TOP PANEL BOARD TO THE T-NUTS INSTALLED ON THE CORNER POSTS.

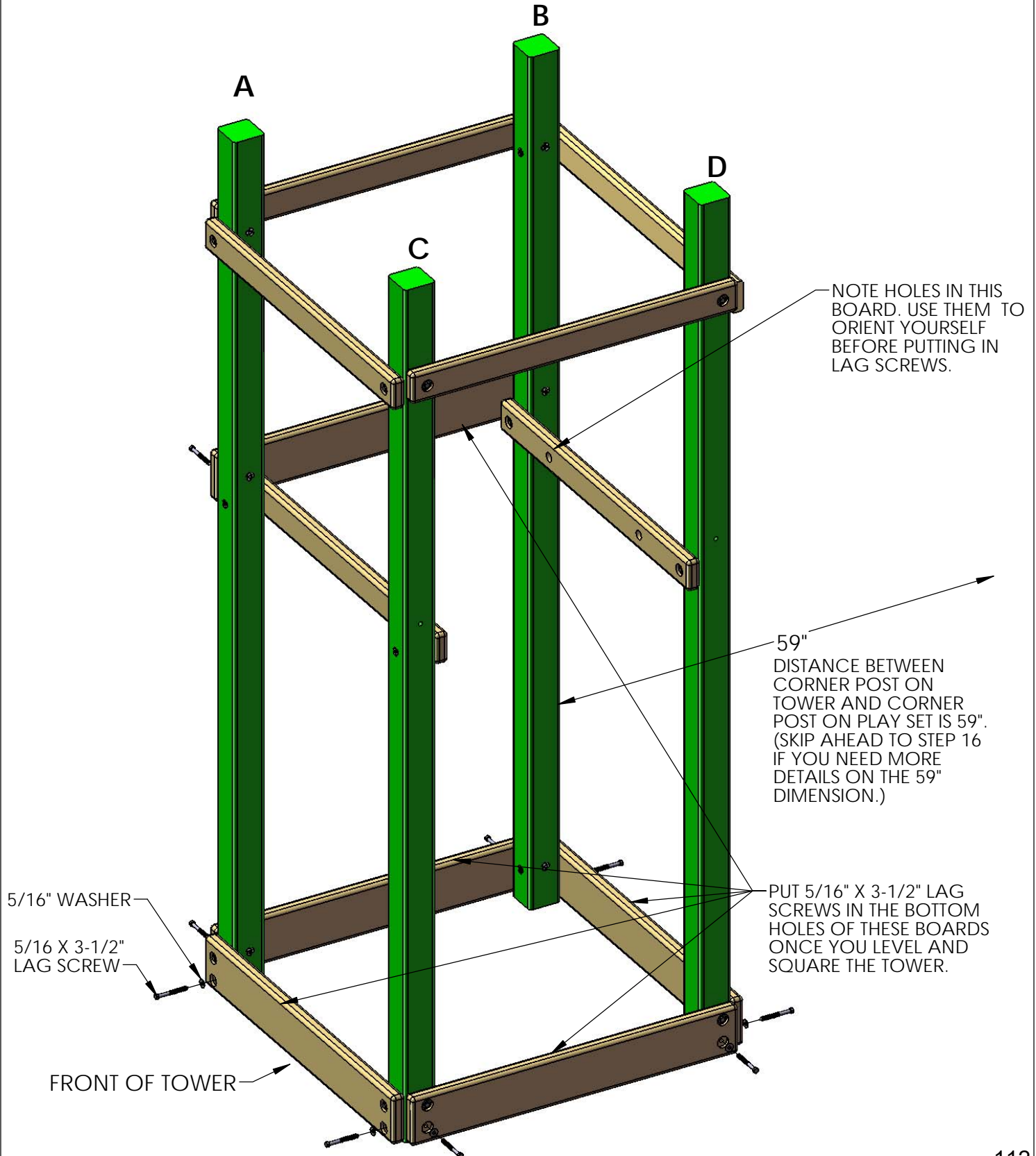
5: DO NOT INSTALL LAG SCREWS AT THIS TIME.



## STEP 7: LAG SCREWS

1: PLACE THE FRAME IN ITS FINAL POSITION AND FOLLOW THE PROCEDURES AT THE FRONT OF THE MANUAL TO LEVEL AND SQUARE THE STRUCTURE. TO SQUARE AND LEVEL THE DECK OF THE TOWER TO THE DECK OF THE FORT PLACE A DECK BOARD ACROSS THE 2 X 4'S. THEN PLACE A 2 X 4 X 66" BRIDGE RAIL ON TOP OF THE DECK BOARD AND ON TOP OF THE FORT DECK. PLACE A LEVEL ON TOP OF THE 66" BRIDGE RAIL, THEN MAKE THE DECKS LEVEL TO ONE ANOTHER.

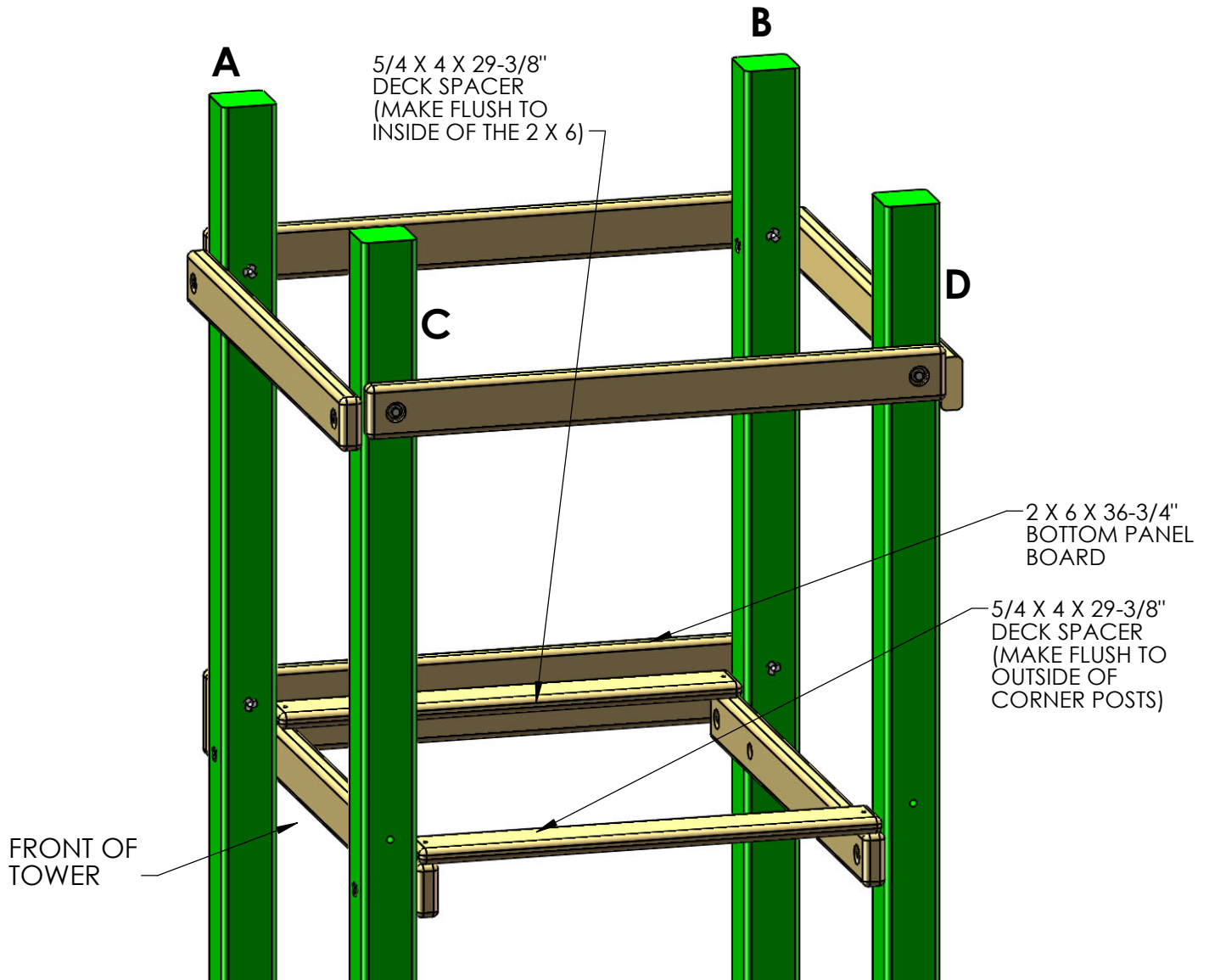
2: ONCE THE FRAME IS LEVEL, SQUARE, AND SET INTO POSITION; GO BACK AND INSERT THE 5/16 X 3-1/2" LAG SCREWS AND 5/16" WASHERS IN THE REMAINING HOLES OF THE 2 X 6 PARTS SHOWN BELOW. NOTE: THERE WILL NOT BE ANY PREDRILLED HOLES IN THE CORNER POSTS FOR THE LAG SCREWS.





## STEP 8: DECK BOARDS

1: PLACE THE 5/4 X 4 X 29-3/8" DECK SPACERS BETWEEN THE CORNER POSTS. MAKE EACH DECK SPACER FLUSH TO THE INSIDE SURFACE OF THE 2 X 6 OR THE OUTSIDE SURFACE OF THE CORNER POSTS. DO NOT ATTACH THE DECK SPACERS YET.

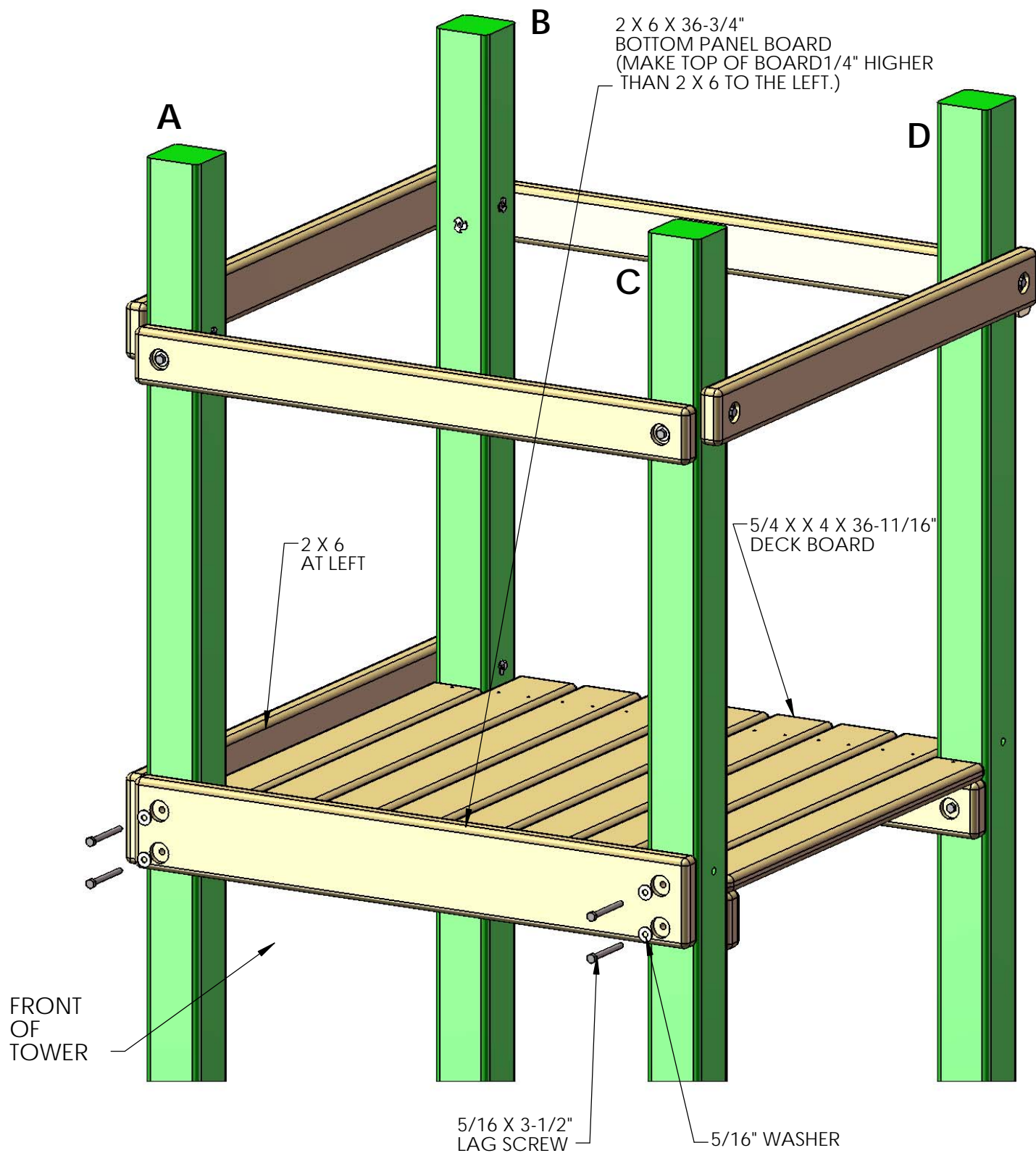


## STEP 9: FRONT FACE BOARD

1: PLACE THE 5/4 X 4 X 36-11/16" DECK BOARDS ON TOP OF THE DECK SUPPORTS. DO NOT FASTEN THE DECK BOARDS AT THIS TIME.

2: PLACE THE 2 X 6 X 36-3/4" BOTTOM PANEL BOARD AGAINST THE FRONT CORNER POSTS. THE TOP OF THE BOTTOM PANEL BOARD SHOULD BE 1/4" ABOVE THE 2 X 6 ON THE LEFT SIDE OF THE TOWER.

3: FASTEN THE BOTTOM PANEL BOARD TO THE CORNER POSTS WITH 5/16 X 3-1/2" LAG SCREWS WITH 5/16" WASHERS.



## STEP 10: REAR BOTTOM PANEL BOARD

1: LOOSEN UP THE FASTENERS IN THE 2 X 6 ON THE LEFT SIDE OF THE TOWER.

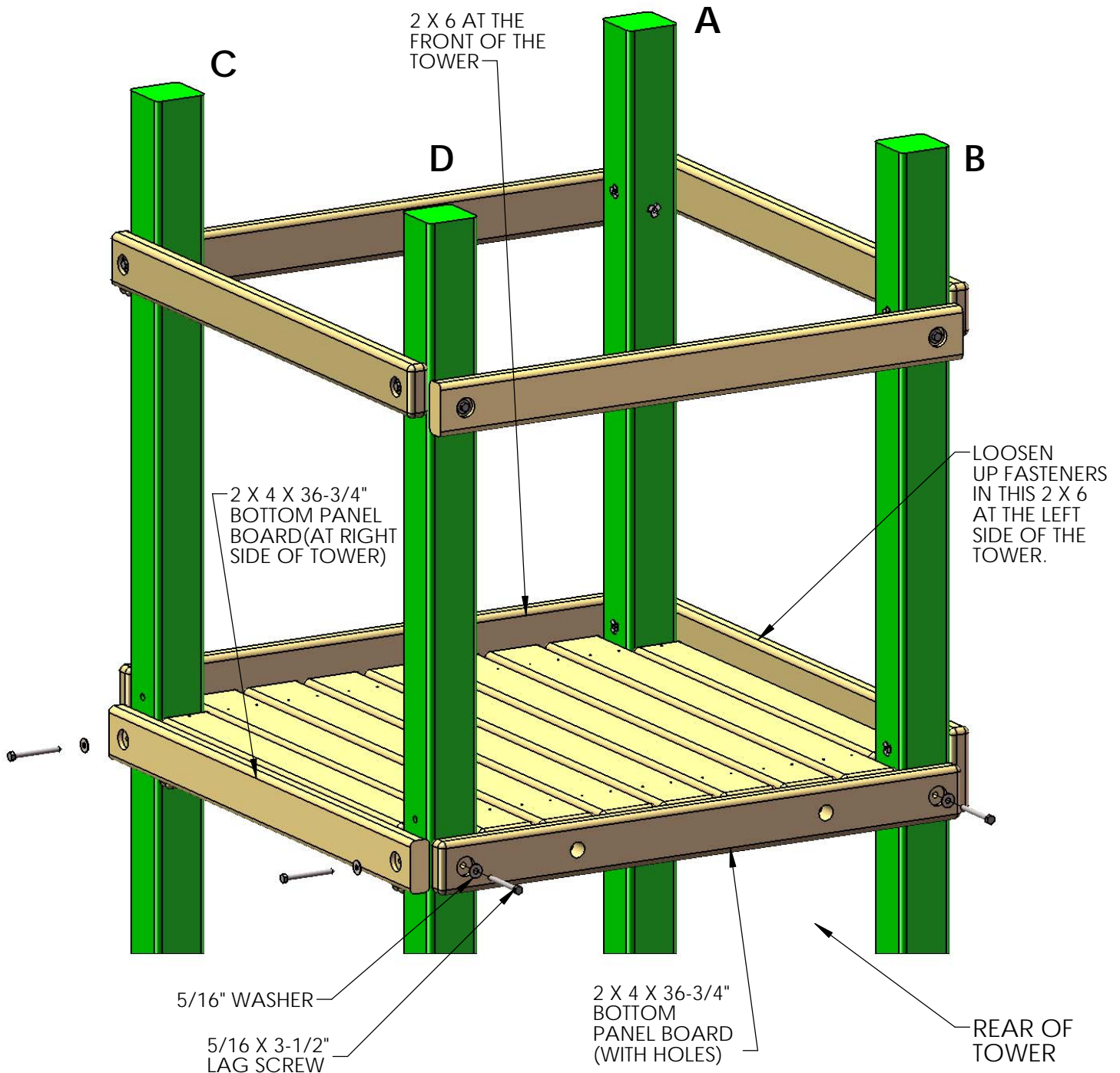
2: PLACE THE 2 X 4 X 36-3/4" BOTTOM PANEL BOARD (WITH HOLES) AGAINST THE REAR CORNER POSTS, AND LEVEL THE TOP OF THE BOARD WITH THE TOP OF THE DECK BOARDS.

3: FASTEN THE BOTTOM PANEL BOARD (WITH HOLES) TO THE CORNER POSTS WITH 5/16 X 3-1/2" LAG SCREWS WITH 5/16" WASHERS. LEAVE THE LAG SCREWS LOOSE.

4: TIGHTEN THE FASTENERS IN THE 2 X 6 AT THE FRONT OF THE TOWER AND IN THE BOTTOM PANEL BOARD (WITH HOLES).

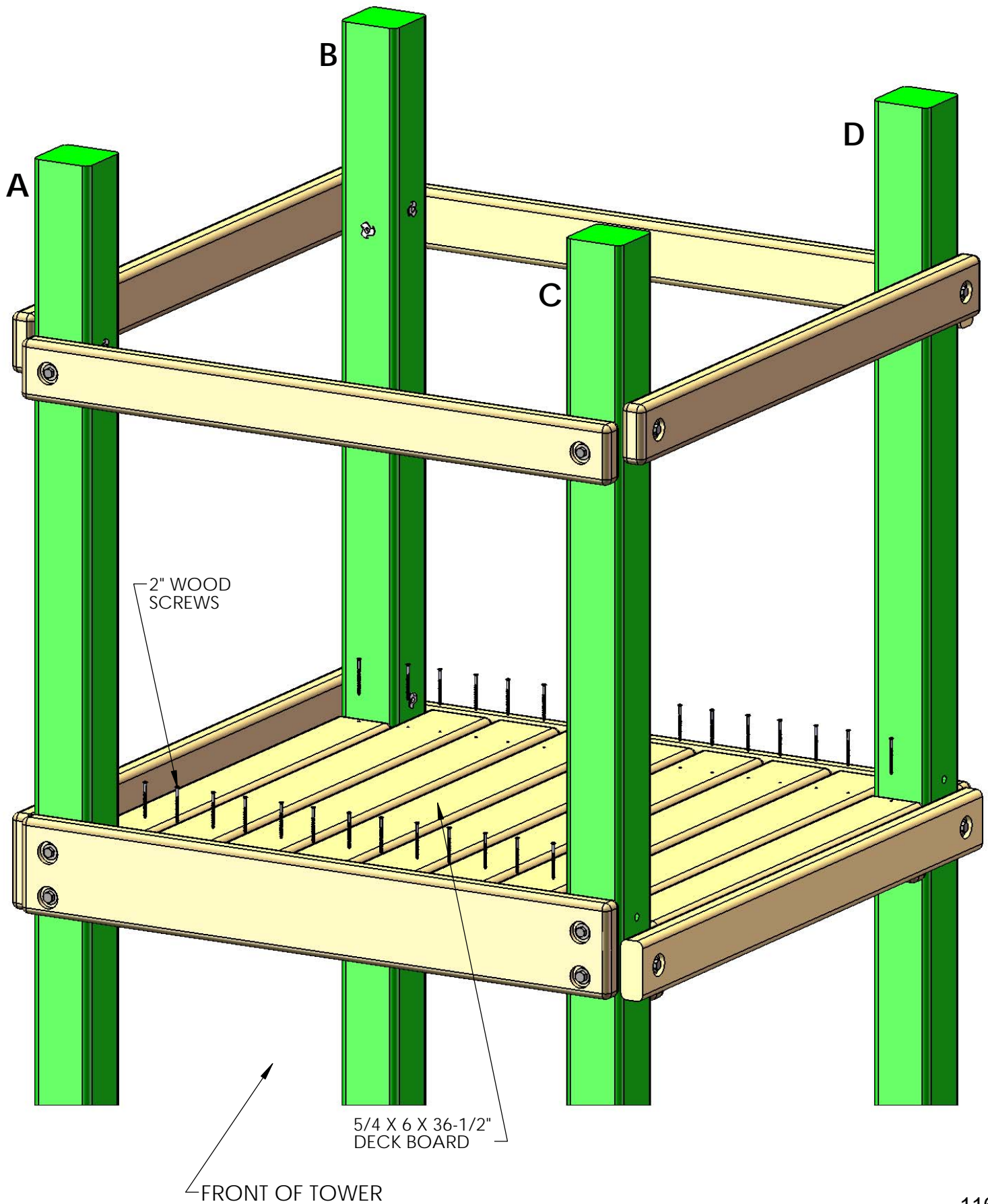
5: TIGHTEN THE FASTENERS IN THE 2 X 6 ON THE LEFT SIDE OF THE TOWER.

6: PLACE THE 2 X 4 X 36-3/4" BOTTOM PANEL BOARD AGAINST THE RIGHT SIDE OF THE TOWER. LEVEL THE TOP OF THE BOARD WITH THE TOP OF THE DECK BOARDS. FASTEN IT TO THE CORNER POSTS WITH 5/16 X 3-1/2" LAG SCREWS WITH 5/16" WASHERS.



## STEP 11: DECK

1: INSTALL THE 5/4 X 6 X 36-1/2" DECK BOARDS. LEAVE A UNIFORM (APPROXIMATELY 1/4") SPACE BETWEEN THE DECK BOARDS. ATTACH THE DECK BOARDS TO THE DECK SUPPORTS WITH 2" WOOD SCREWS.



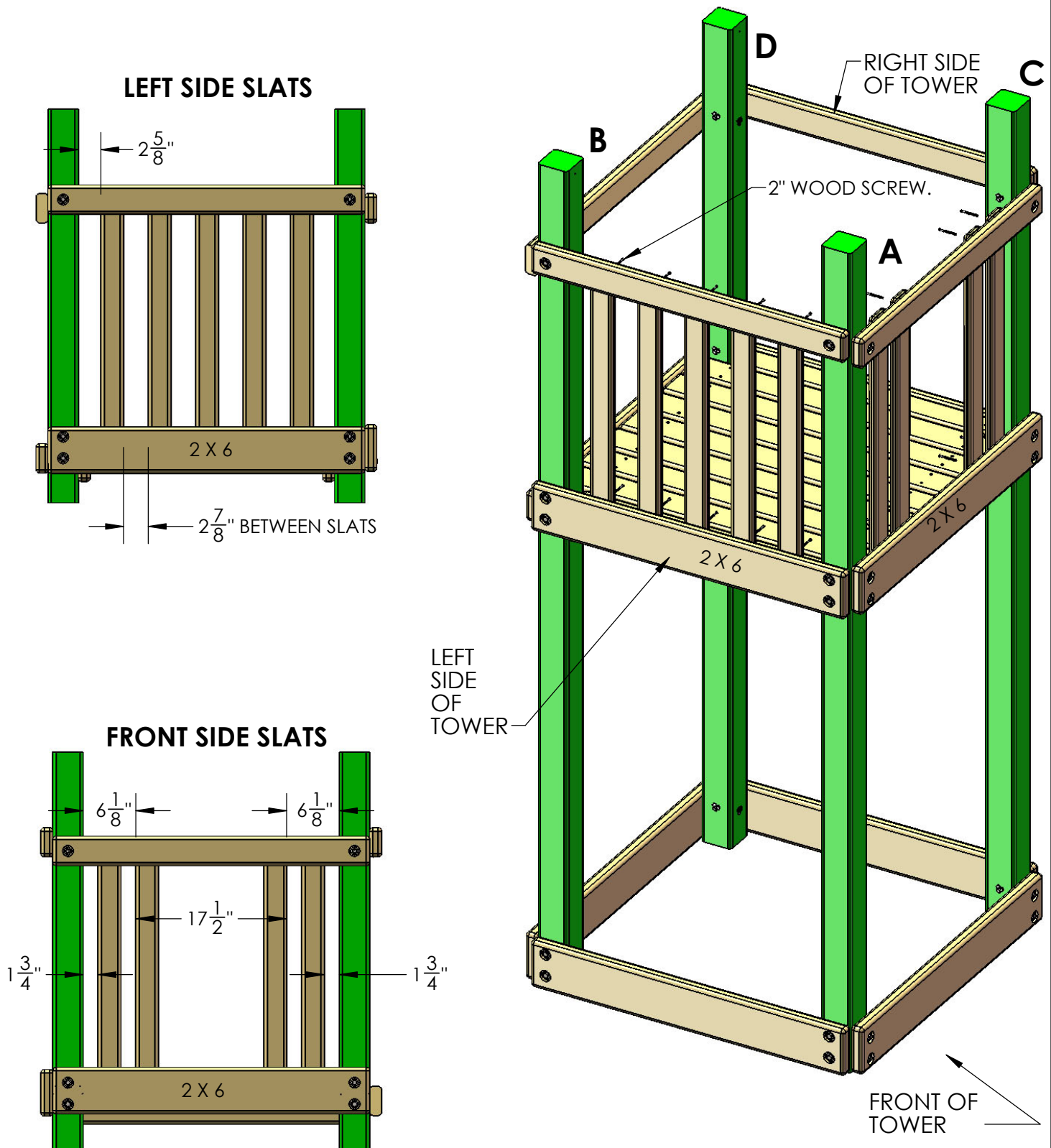


## STEP 12: PANEL SLATS

1: FIND NINE 5/4 X 3 X 28-1/2" PANEL SLATS.

2: ON THE LEFT SIDE OF THE TOWER INSTALL THE FIRST PANEL SLAT 2-5/8" FROM THE CORNER POST. THEN INSTALL THE REMAINING FOUR PANEL SLATS 2-7/8" APART AS SHOWN IN THE PICTURE AT THE TOP LEFT BELOW. ATTACH THE PANEL SLATS WITH 2" WOOD SCREWS.

3: ON THE FRONT SIDE OF THE TOWER INSTALL THE PANEL SLATS AS SHOWN IN THE PICTURE AT THE BOTTOM LEFT BELOW. ATTACH THE PANEL SLATS WITH 2" WOOD SCREWS.



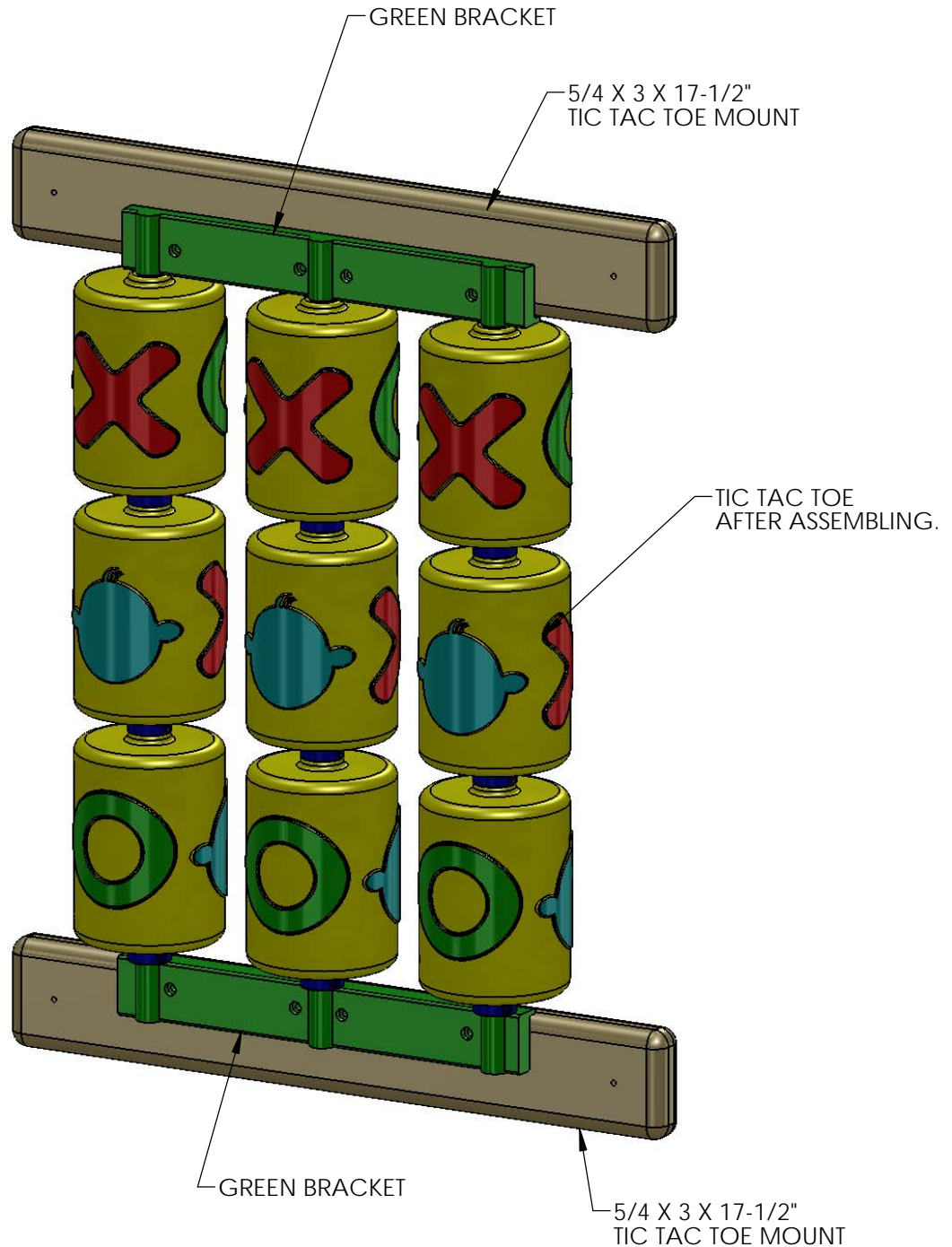
## STEP 13: TIC TAC TOE ASSEMBLY

1: LOCATE THE TIC TAC TOE BOX.

2: FOLLOW THE INSTRUCTIONS IN THE BOX TO ASSEMBLE THE TIC TAC TOE OMITTING STEPS 6 AND 7.

3: LOCATE TWO 5/4 X 3 X 17-1/2" TIC TAC TOE MOUNTS.

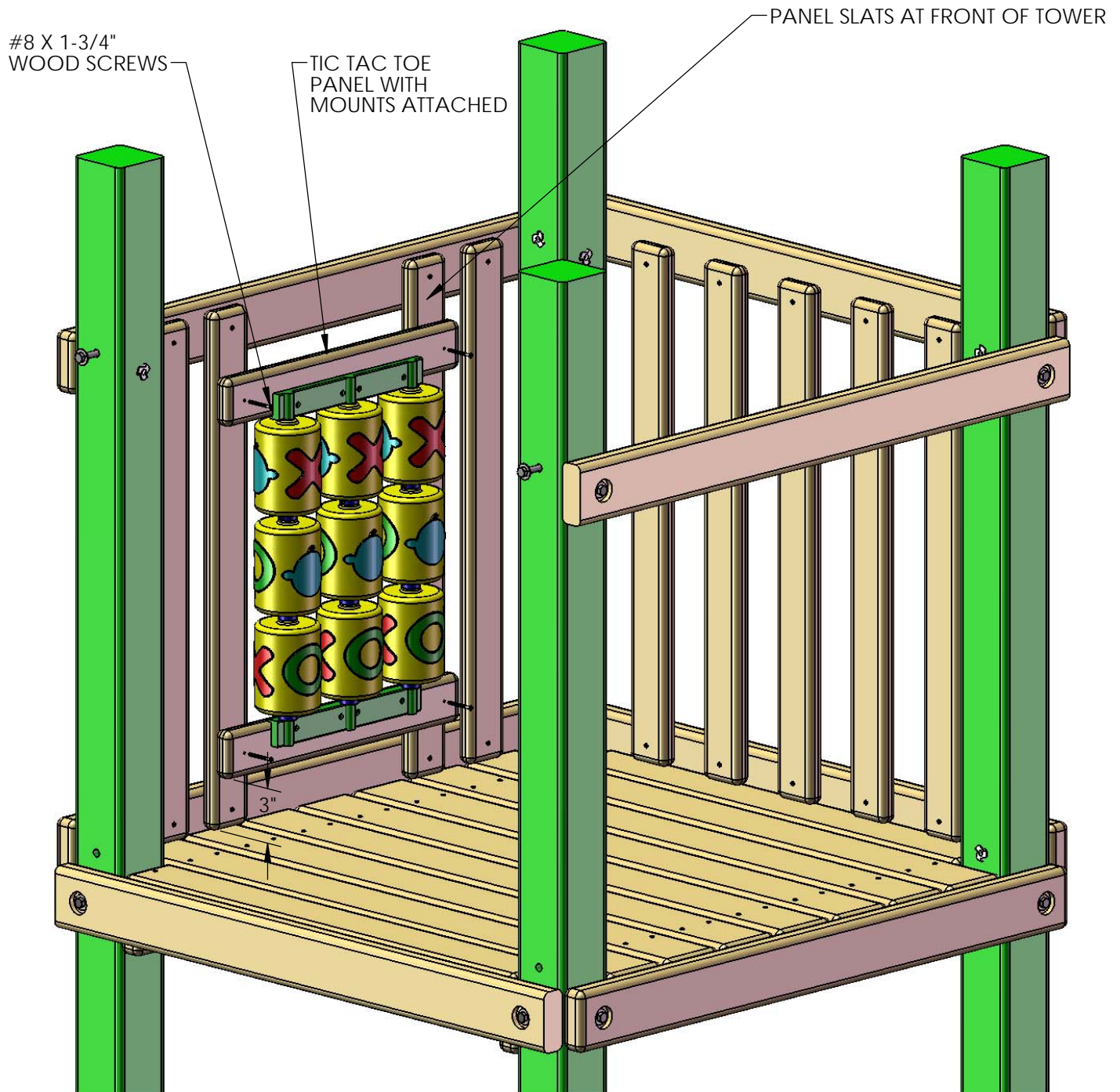
4: USE THE SCREWS INCLUDED WITH THE TIC TAC TOE TO ATTACH THE GREEN BRACKETS TO THE TIC TAC TOE MOUNTS. EACH GREEN BRACKET SHOULD BE CENTERED OVER THE TIC TAC TOE MOUNT.



## STEP 14: TIC-TAC-TOE PANEL

1: PLACE THE TIC TAC TOE AGAINST THE PANEL SLATS AT THE FRONT OF THE PLAY SET ON THE INSIDE. THE TIC TAC TOE SHOULD BE APPROXIMATELY 3" OFF THE DECK.

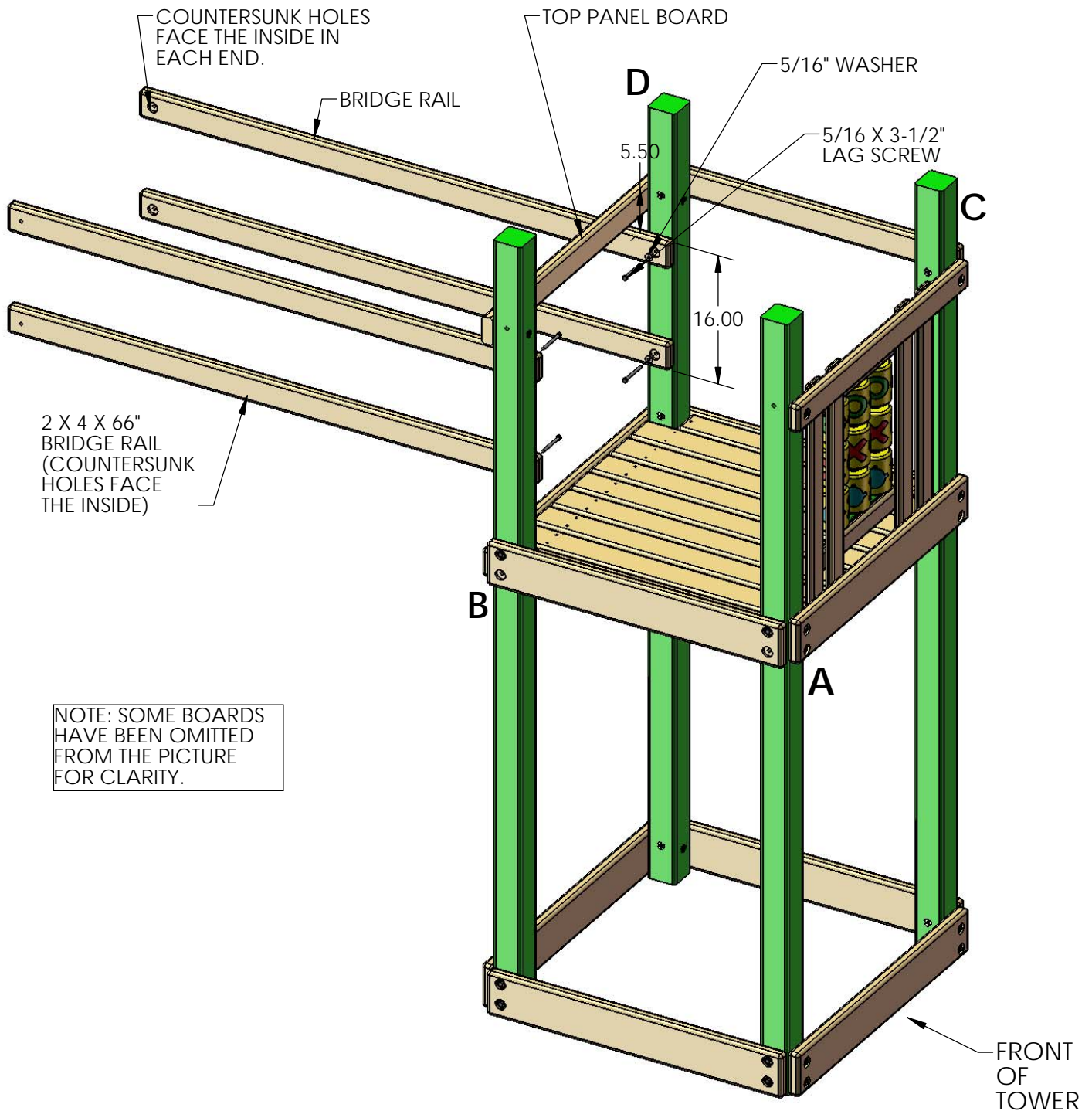
2: ATTACH THE TIC TAC TOE MOUNTS TO THE PANEL SLATS WITH #8 X 1-3/4" WOOD SCREWS.





## STEP 15: BRIDGE RAILS

- 1: PLACE THE TOP SURFACE OF THE UPPER TWO 2 X 4 X 66" BRIDGE RAILS 5-1/2" BENEATH THE TOP SURFACE OF THE TOP PANEL BOARD. THE COUNTERSUNK HOLE IN THE END OF THE BRIDGE RAIL SHOULD FACE THE INSIDE. FASTEN THE BRIDGE RAIL TO THE CORNER POST WITH 5/16" X 3-1/2" LAG SCREWS WITH 5/16" WASHERS.
- 2: MEASURE 16" FROM THE TOP OF EACH BRIDGE RAIL AND MAKE A PENCIL MARK ON THE INSIDE OF THE CORNER POSTS.
- 3: PLACE THE BOTTOM OF EACH LOWER 2 X 4 X 66" BRIDGE RAIL ON THE MARK ON THE CORNER POST. FASTEN EACH BRIDGE RAIL TO THE CORNER POST WITH 5/16" X 3-1/2" LAG SCREWS WITH 5/16" WASHERS.

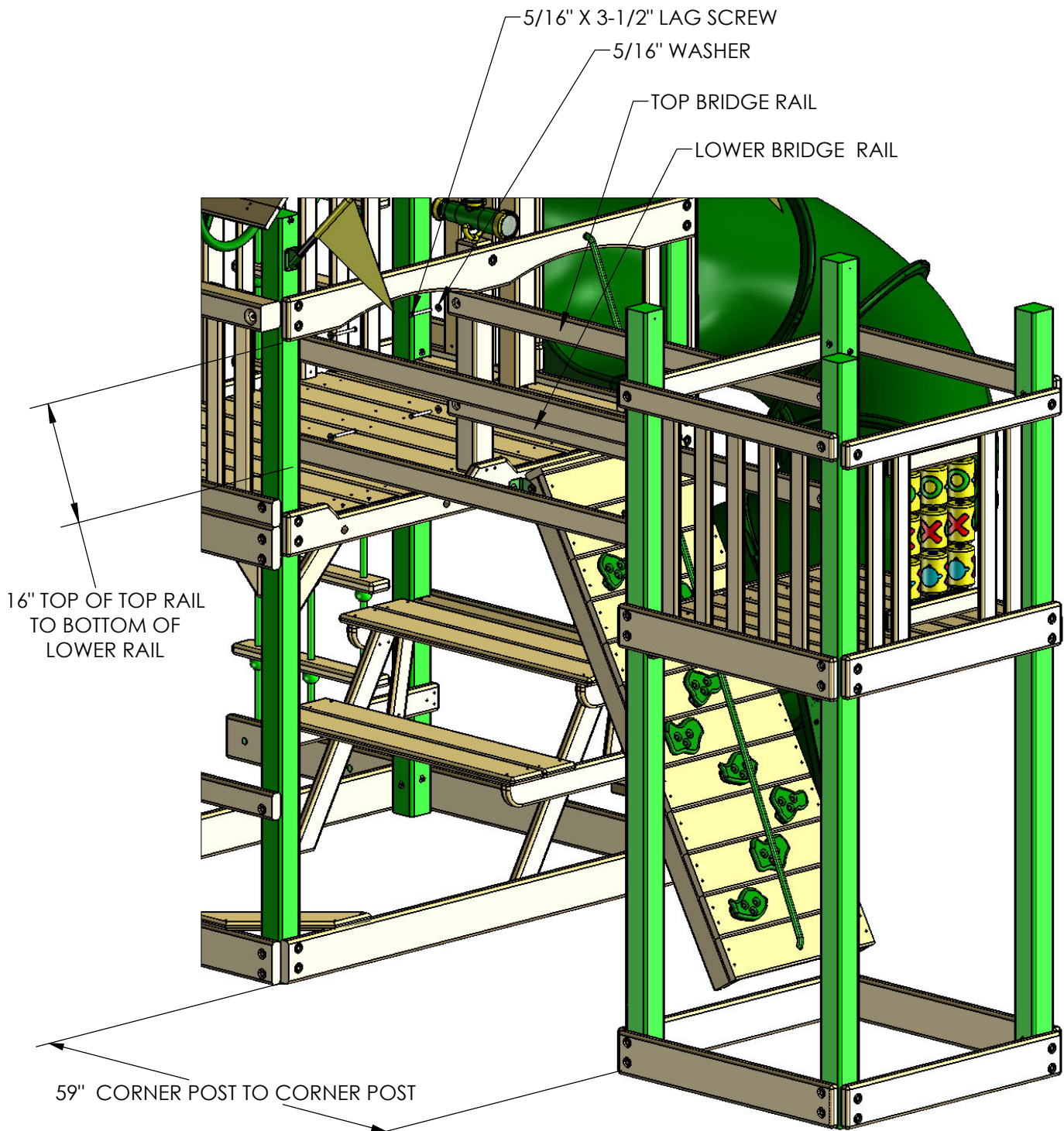


## STEP 16: MOUNTING BRIDGE RAILS TO FORT

1: PLACE THE BRIDGE RAILS AGAINST THE GREEN CORNER POST AND CENTER POST ON THE PLAY SET.

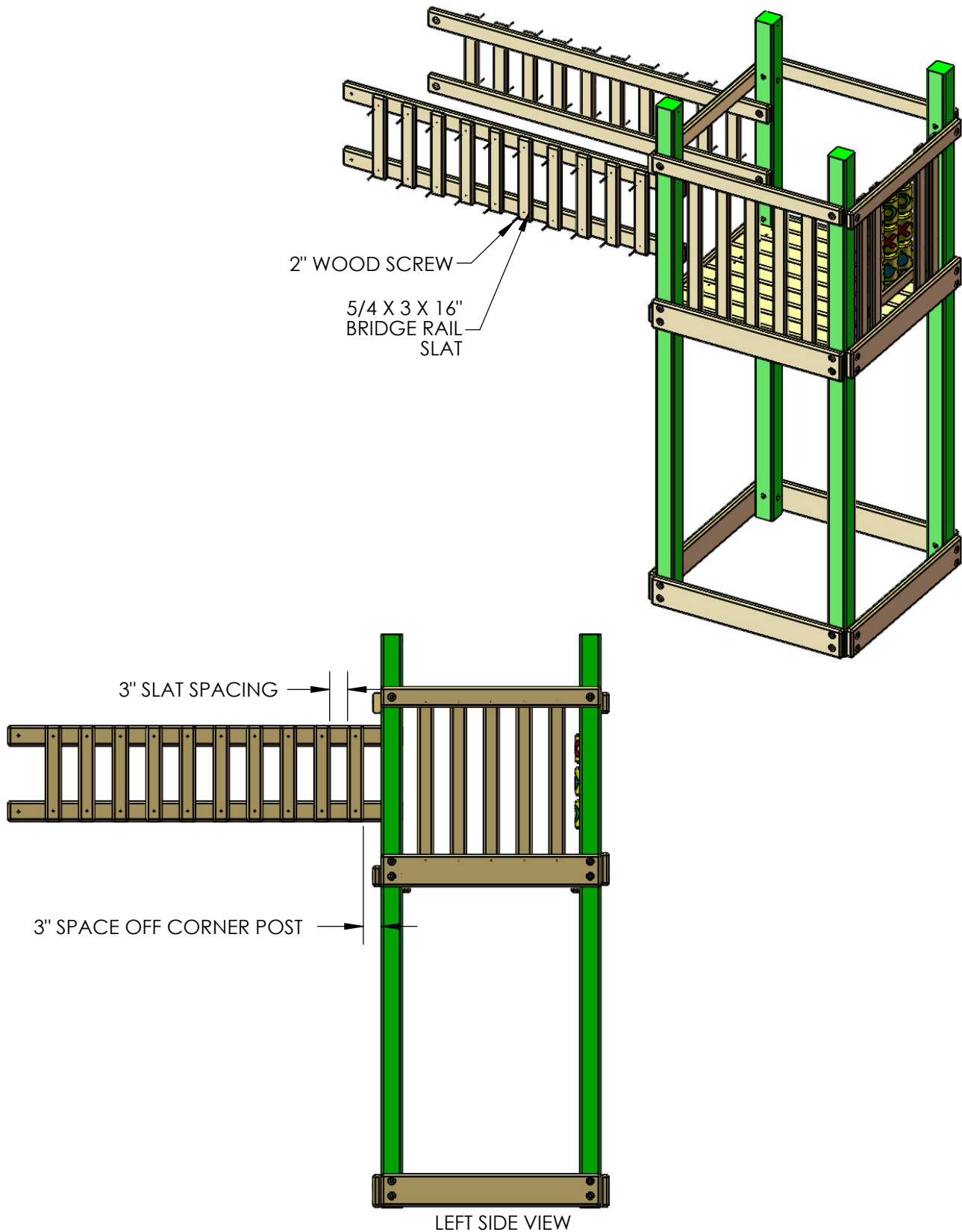
2: LEVEL EACH TOP BRIDGE RAIL AND ATTACH THEM TO THE CORNER POSTS WITH 5/16" X 3-1/2" LAG SCREWS AND 5/16" WASHERS.

3: ATTACH EACH LOWER BRIDGE RAIL TO THE CORNER POSTS USING THE 16" DIMENSION AT THE FORT AS SHOWN ON STEP 15 AND BELOW. ATTACH EACH LOWER BRIDGE RAIL WITH 5/16" X 3-1/2" LAG SCREWS AND 5/16" WASHERS.



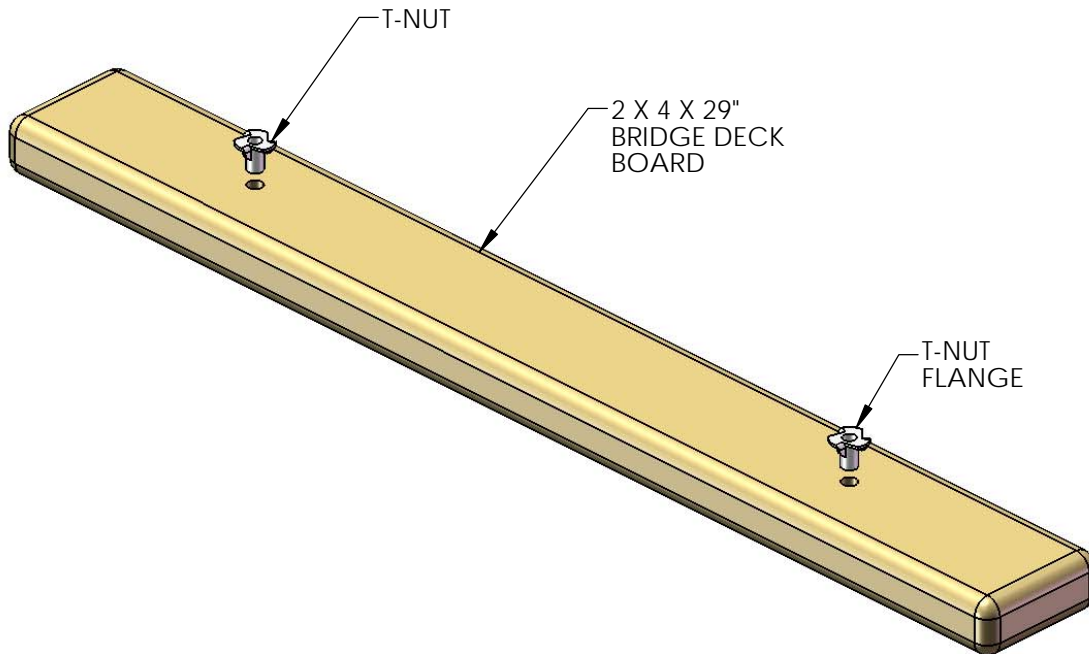
## STEP 17: BRIDGE RAIL SLATS

1. PLACE THE BRIDGE RAIL SLATS 3" FROM THE FACE OF THE CORNER POSTS, AND ATTACH WITH 2" WOOD SCREWS. THE SLATS WILL MOUNT ON THE OUTSIDE OF THE BRIDGE RAILS.
3. ATTACH THE REMAINING SLATS TO THE UNIT WITH 3" SPACING BETWEEN THE SLATS.

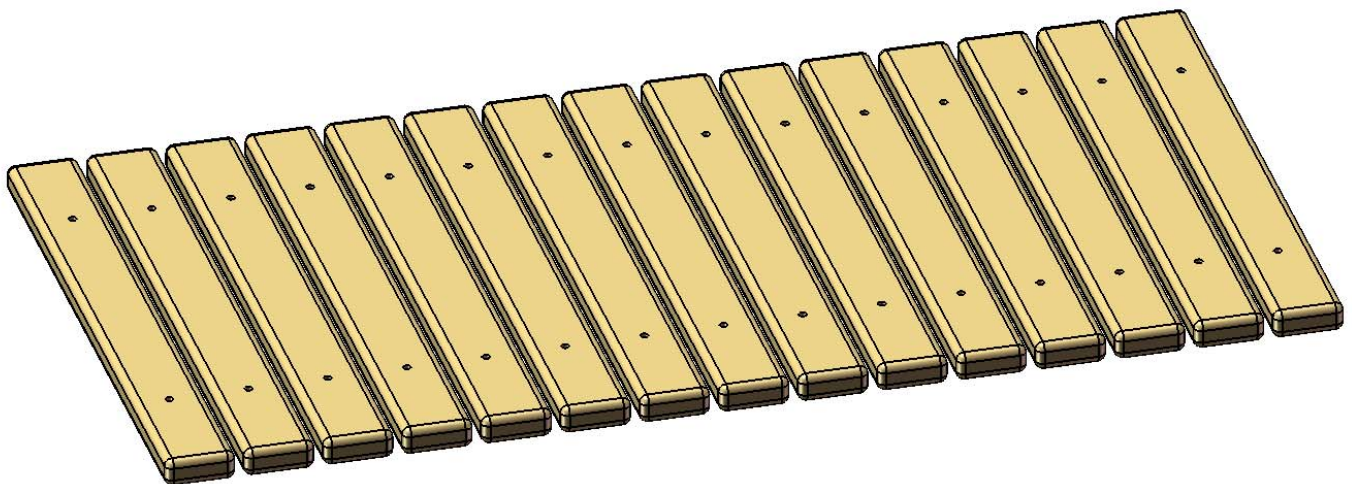


## STEP 18: BRIDGE DECK AND CHAIN ASSEMBLY

1: FIND FIFTEEN 2 X 4 X 29" BRIDGE DECK BOARDS AND INSERT T-NUTS INTO THE PRE-DRILLED HOLES. USE A HAMMER TO SEAT THE T-NUTS INTO THE BOARDS.



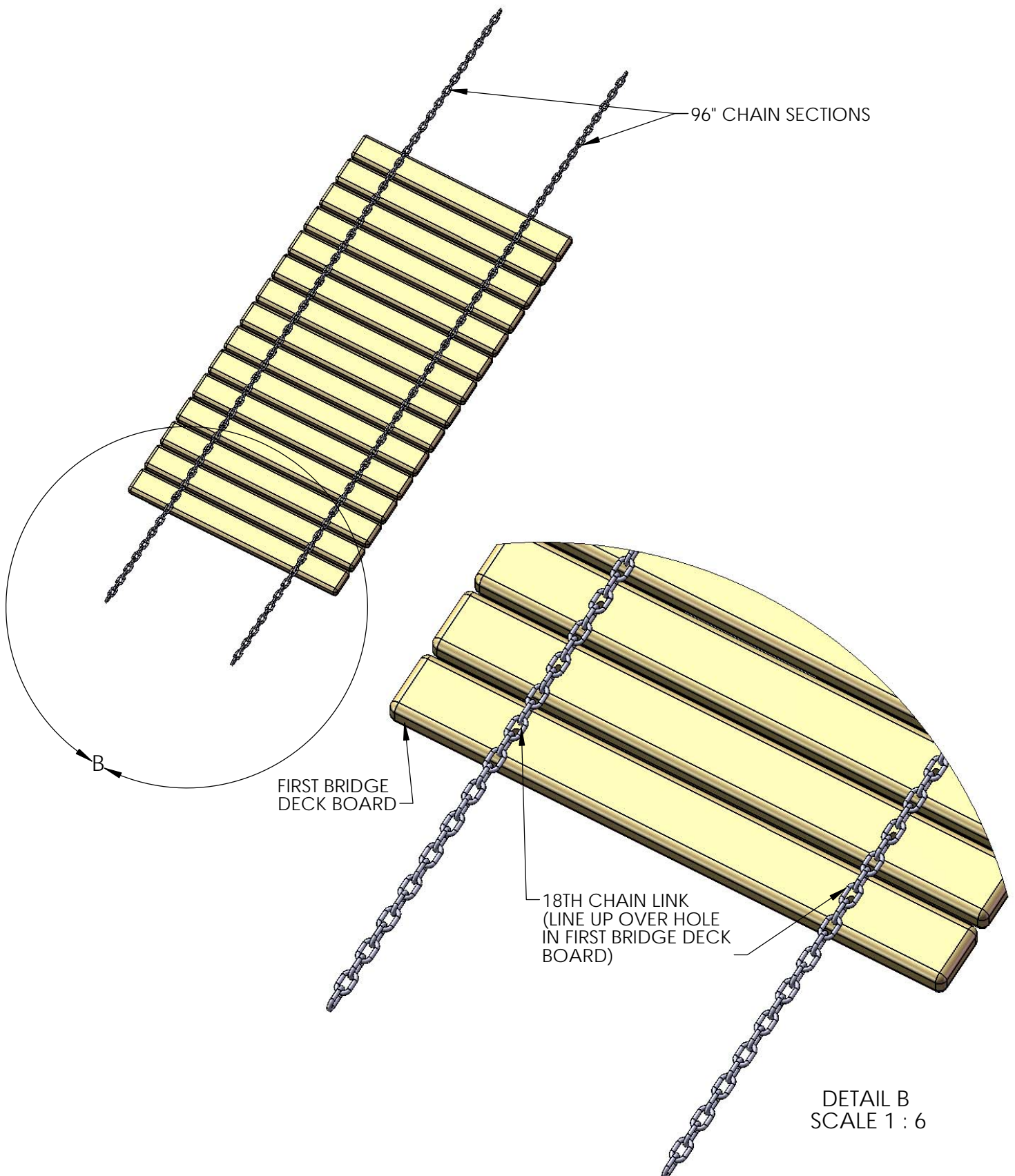
2: FLIP ALL 15 BRIDGE DECK BOARDS OVER SO THAT THE FLANGE OF THE T-NUT IS FACING DOWN. LAY THE BRIDGE DECK BOARDS OUT ON A FLAT SURFACE AS SHOWN BELOW.





## STEP 19: BRIDGE DECK AND CHAIN ASSEMBLY

- 1: LOCATE TWO 96" CHAIN SECTIONS THAT SHIPPED WITH THE CLATTER BRIDGE.
- 2: PLACE THE CHAINS OVER THE HOLES IN THE BRIDGE DECK BOARDS AS SHOWN BELOW.
- 3: LINE UP THE 18TH LINK IN THE CHAINS WITH THE FIRST BRIDGE DECK BOARD HOLES.



## STEP 20: BRIDGE DECK AND CHAIN ASSEMBLY

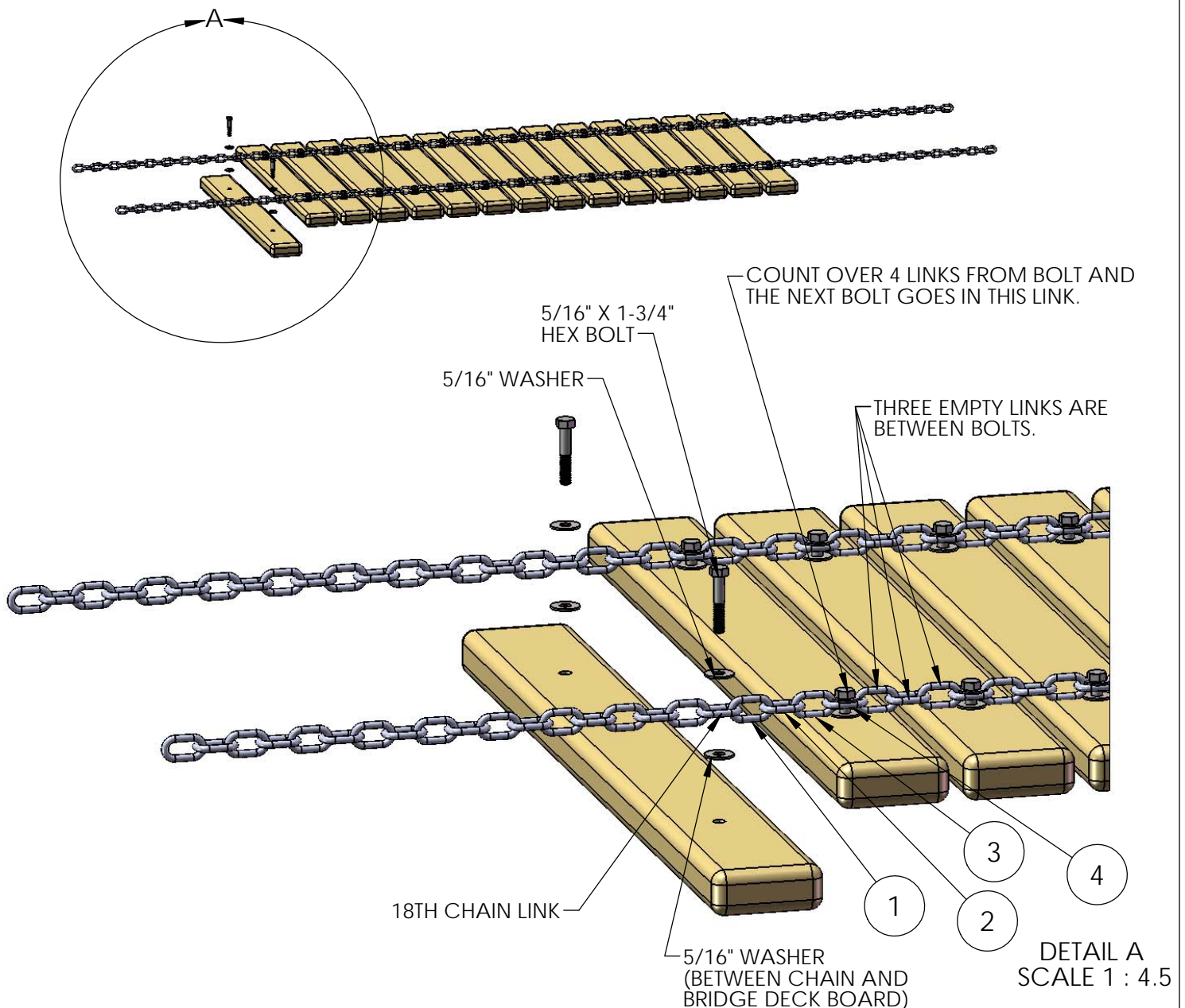
1: PLACE A 5/16" WASHER BETWEEN THE 18TH CHAIN LINK AND THE BRIDGE DECK BOARD.

2: PLACE A 5/16" X 1-3/4" HEX BOLT WITH 5/16" WASHER THROUGH THE 18TH CHAIN LINK, THEN THROUGH THE 5/16" WASHER, THEN THROUGH THE HOLE IN THE BRIDGE DECK BOARD AND SCREW IT INTO THE T-NUT. TIGHTEN THE BOLT BUT NOT SO TIGHT THAT YOU CRACK THE WOOD.

3: COUNT OVER 4 CHAIN LINKS FROM THE LAST HEX BOLT. AT THIS CHAIN LINK PLACE A 5/16" WASHER BETWEEN THE CHAIN LINK AND THE BRIDGE DECK BOARD. NOTE THAT THREE EMPTY CHAIN LINKS ARE BETWEEN THE BOLTS.

4: PLACE A 5/16" X 1-3/4" HEX BOLT WITH 5/16" WASHER THROUGH THE CHAIN LINK, THEN THROUGH THE 5/16" WASHER, THEN THROUGH THE HOLE IN THE BRIDGE DECK BOARD AND SCREW IT INTO THE T-NUT. TIGHTEN THE BOLT BUT NOT SO TIGHT THAT YOU CRACK THE WOOD.

5: REPEAT SUBSTEPS 3 & 4 UNTIL YOU HAVE SECURED THE CHAIN TO THE BRIDGE DECK BOARDS ALONG ONE SIDE. THEN START OVER WITH THE OTHER CHAIN AND REPEAT THIS ENTIRE PROCESS.



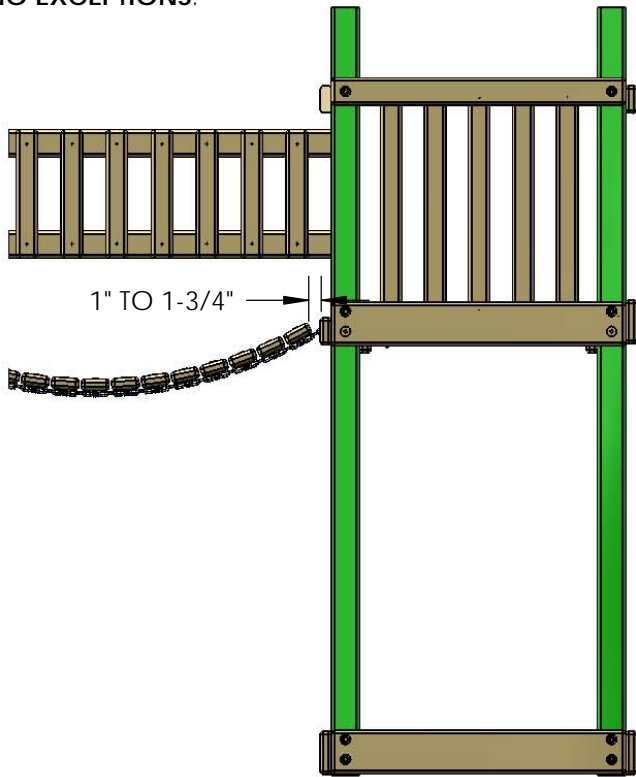


## STEP 21: BRIDGE DECK/CHAIN INSTALLATION

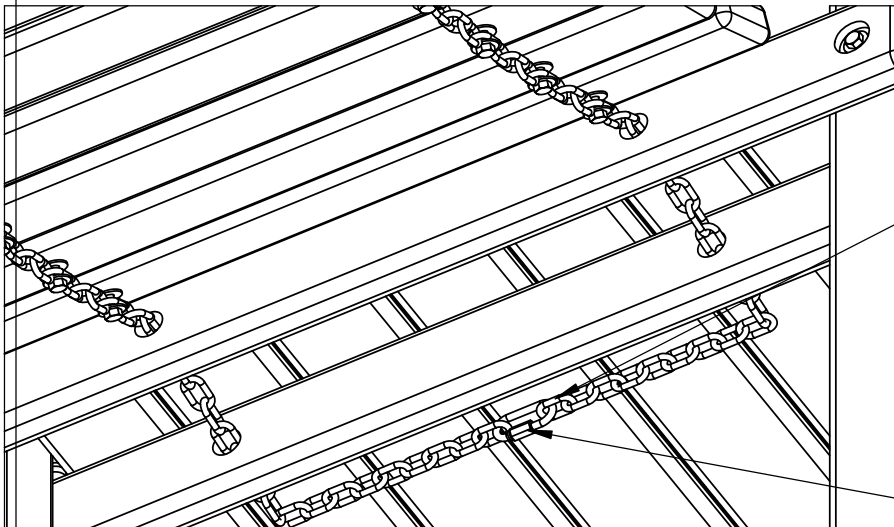
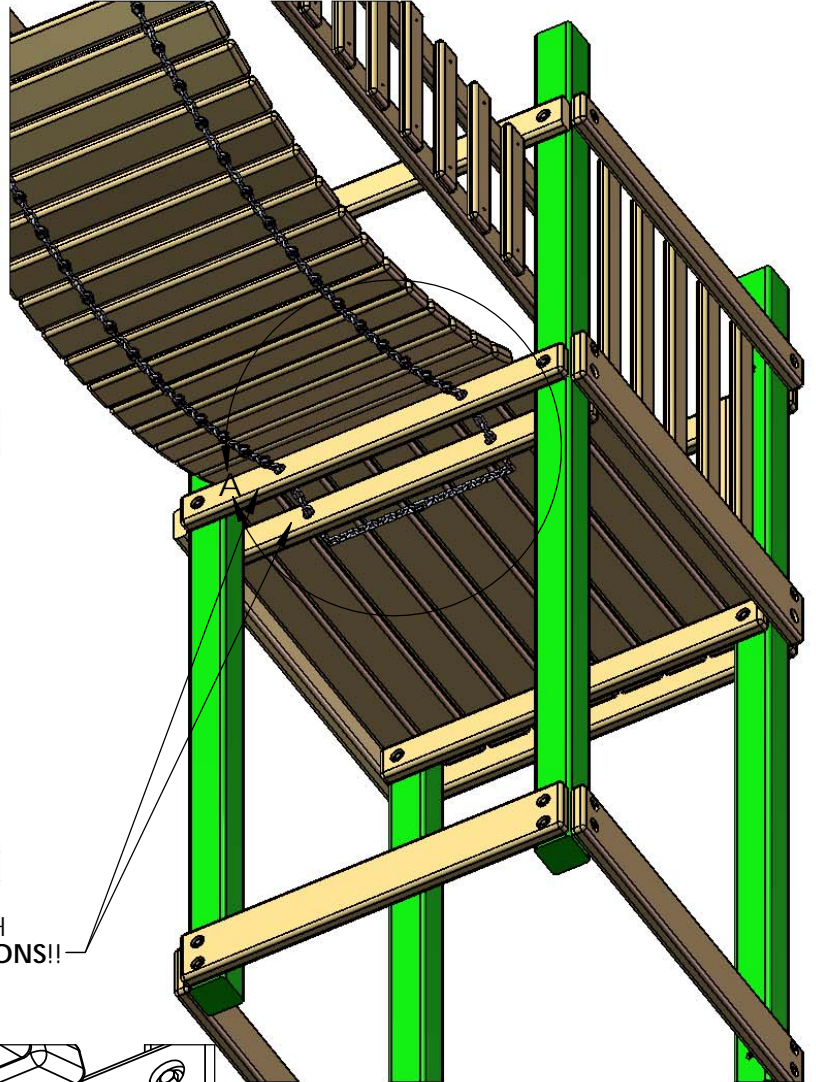
1: LAY THE BRIDGE DECK/CHAINS ASSEMBLY BETWEEN THE PLAY SET AND THE TOWER WITH THE CHAINS FACING THE GROUND. THREAD THE CHAIN ENDS IN THE BRIDGE DECK ASSEMBLY THROUGH THE HOLES IN THE BOTTOM PANEL BOARD AND DECK SUPPORT BOARD ON THE TOWER.

2: THERE SHOULD BE AT LEAST A 1" TO 1-3/4" GAP BETWEEN THE BRIDGE DECK BOARD AND THE BOTTOM PANEL BOARD ON THE TOWER. THIS MEANS THAT YOU WILL HAVE TO CONNECT THE ENDS OF THE CHAINS IN A MANNER TO ACHIEVE THE CORRECT GAP. GO UNDERNEATH THE TOWER DECK AND USE A QUICK LINK TO ATTACH THE CHAINS TOGETHER. IF YOU HAVE LOOSE ENDS OF THE CHAINS HANGING DOWN THREAD THEM THROUGH THE QUICK LINK TO KEEP THEM UP AND OUT OF THE WAY.

3: REPEAT THIS PROCESS AT THE PLAY SET TO ATTACH THE CHAINS. AT THE PLAY SET EACH CHAIN MUST GO THROUGH TWO BOARDS. **NO EXCEPTIONS.**



CHAIN MUST GO THROUGH TWO BOARDS **NO EXCEPTIONS!!**



NOTE: TO ACHIEVE THE CORRECT GAP YOU MAY NOT BE CONNECTING THE END LINK OF EACH CHAIN. FOR EXAMPLE YOU MAY HAVE TO CONNECT THE SECOND, THIRD OR FORTH LINKS TOGETHER.

QUICK LINK

DETAIL A  
SCALE 1 : 6

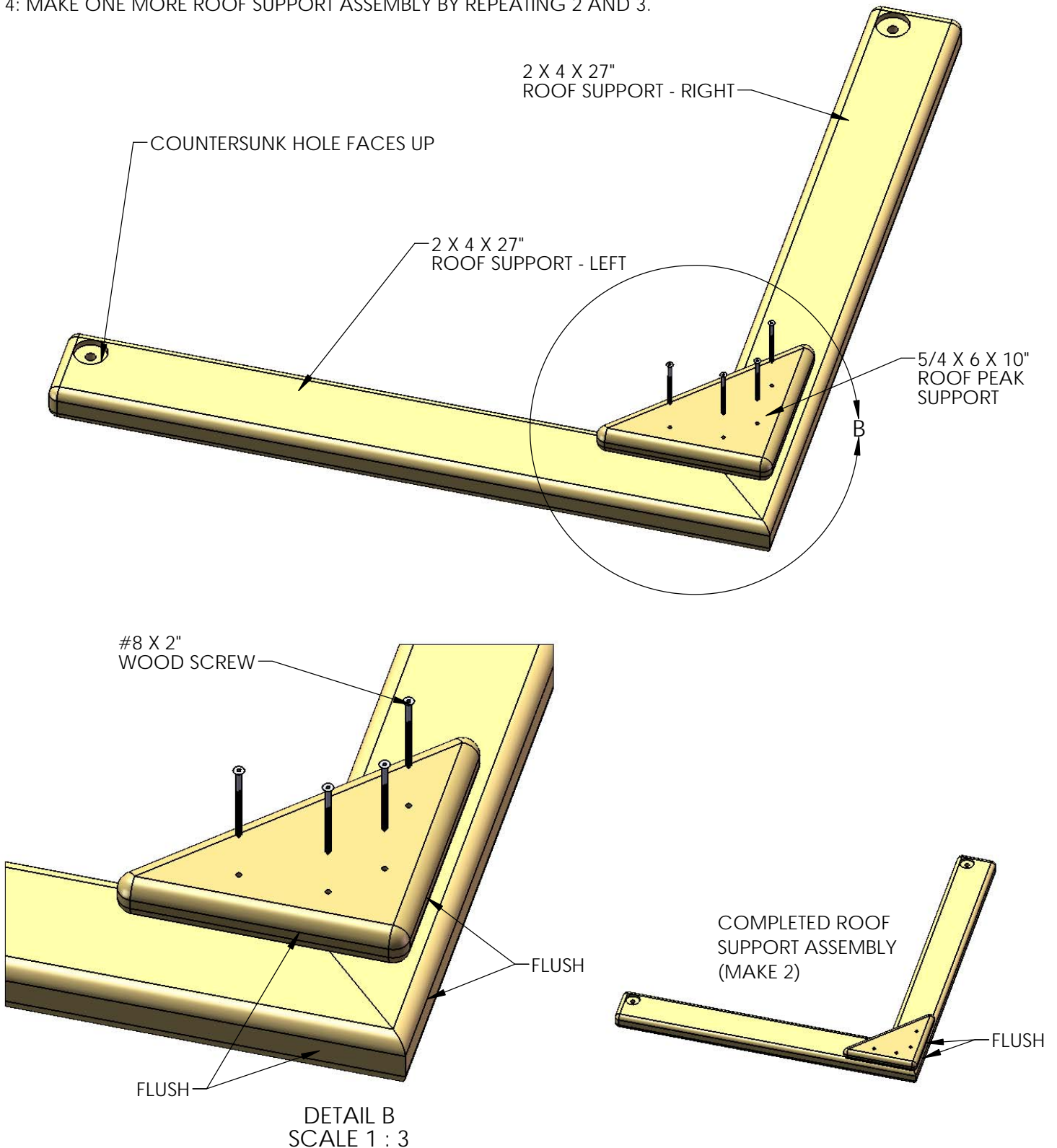
## STEP 22: ROOF SUPPORT ASSEMBLIES

1: LOCATE FOUR 2 X 4 X 51-1/8" ROOF SUPPORT (LEFT), FOUR 2 X 4 X 51-1/8" ROOF SUPPORT (RIGHT) AND FOUR 5/4 X 6 X 10" ROOF PEAK SUPPORT PIECES.

2: FIND A FLAT SURFACE TO WORK ON. LAY THE ROOF SUPPORTS DOWN ON THE FLAT SURFACE WITH THE **COUNTERSUNK HOLES FACING UP**. ALIGN THE ANGLED ENDS OF THE ROOF SUPPORTS FLUSH WITH ONE ANOTHER. PLACE A ROOF PEAK SUPPORT ON TOP OF THE ROOF SUPPORTS AS SHOWN. THE EDGES SHOULD BE FLUSH WHERE SHOWN BELOW.

3: USE FOUR #8 X 2" WOOD SCREWS TO ATTACH THE ROOF PEAK SUPPORT TO THE ROOF SUPPORTS AS SHOWN BELOW.

4: MAKE ONE MORE ROOF SUPPORT ASSEMBLY BY REPEATING 2 AND 3.



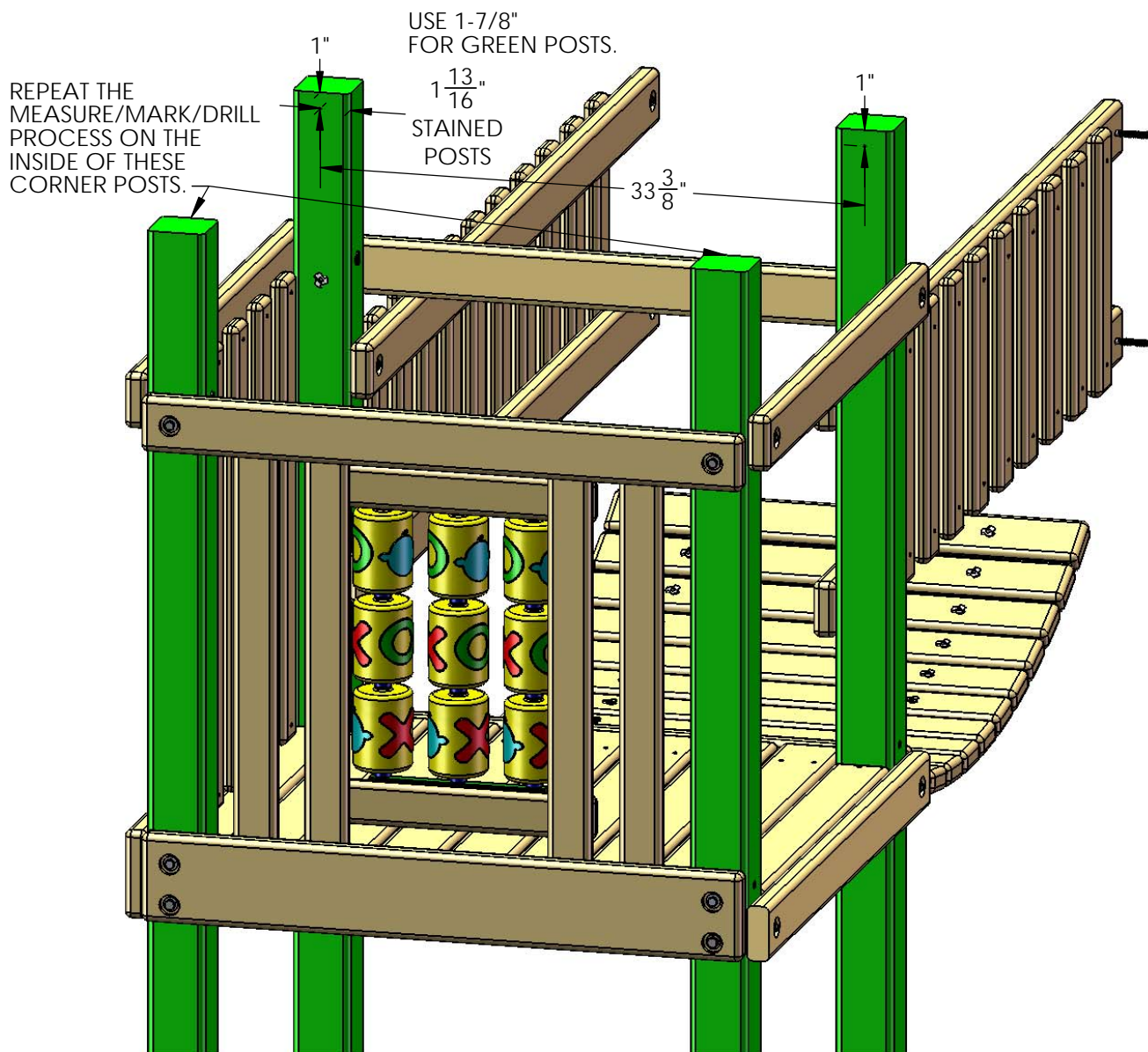
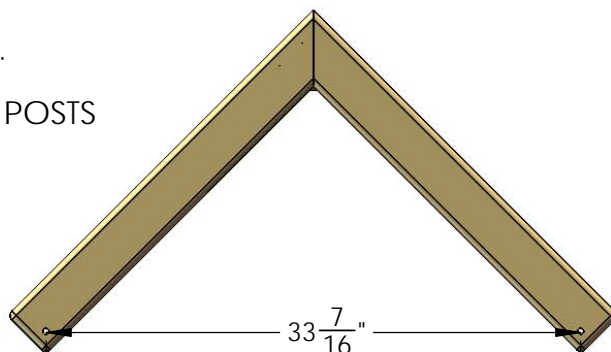
## STEP 23: DRILLING CORNER POST HOLES

1: CHECK THE DIMENSION OF THE ROOF SUPPORT ASSEMBLIES AS SHOWN BELOW BEFORE DRILLING HOLES.

2: MEASURE AS SHOWN BELOW AND MAKE MARKS ON THE CORNER POSTS ON THE INSIDE.

3: DRILL A  $\frac{9}{64}$ " HOLE BY 2-1/2" DEEP AT EACH MARK.

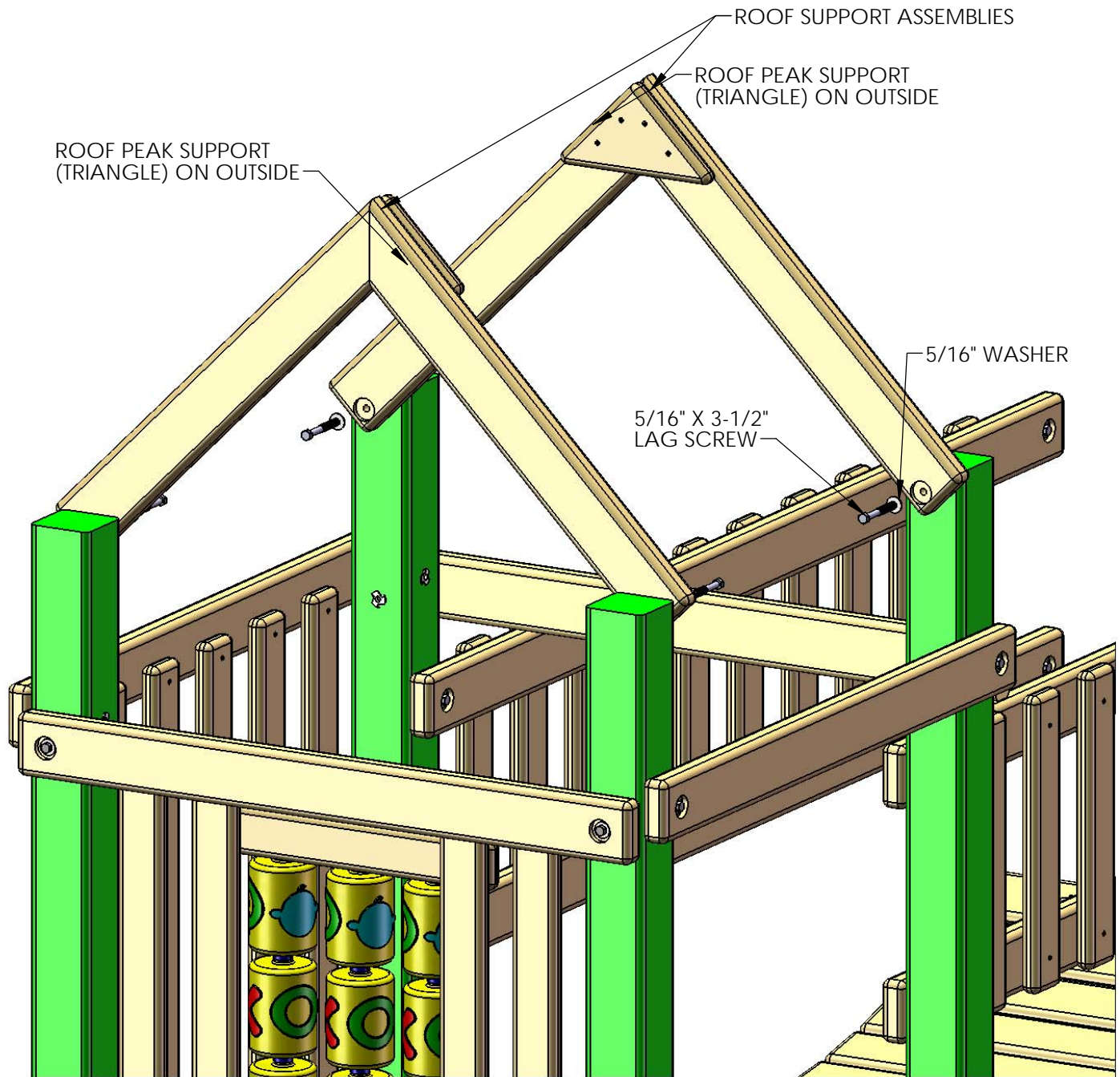
4: REPEAT SUBSTEPS 2-3 ON THE INSIDE OF THE OTHER POSTS AS POINTED OUT BELOW.





## STEP 24: INSTALL ROOF SUPPORT ASSEMBLIES

- 1: PLACE TWO ROOF SUPPORT ASSEMBLIES ON THE CLATTER BRIDGE TOWER DECK.
- 2: THE (TRIANGLE) ROOF PEAK SUPPORT SHOULD FACE THE OUTSIDE.
- 3: ATTACH EACH ROOF SUPPORT ASSEMBLY TO THE HOLES DRILLED ON THE INSIDE OF THE CORNER POSTS WITH TWO 5/16" X 3-1/2" LAG SCREWS WITH TWO 5/16" WASHERS.

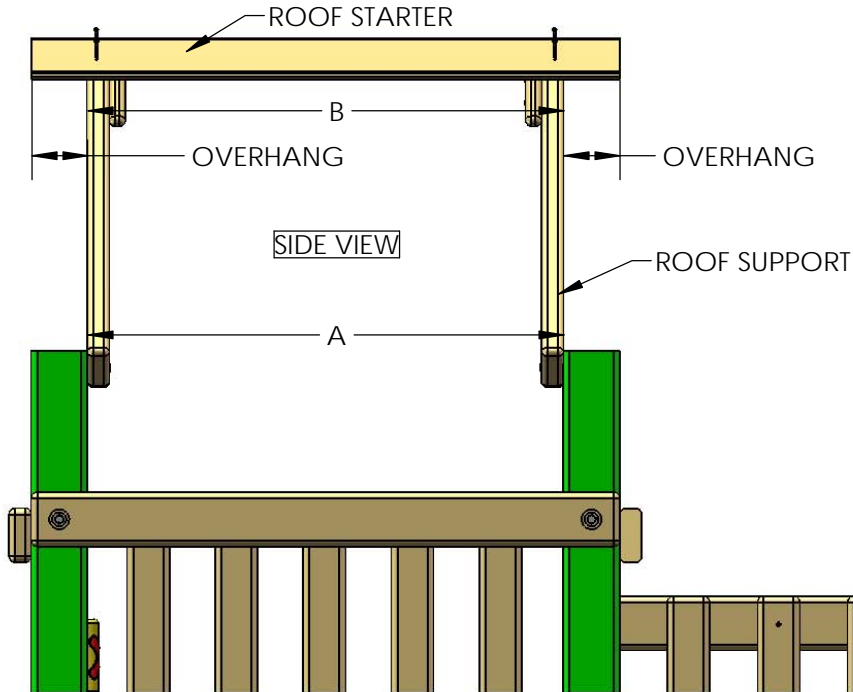


## STEP 25: ROOF STARTERS

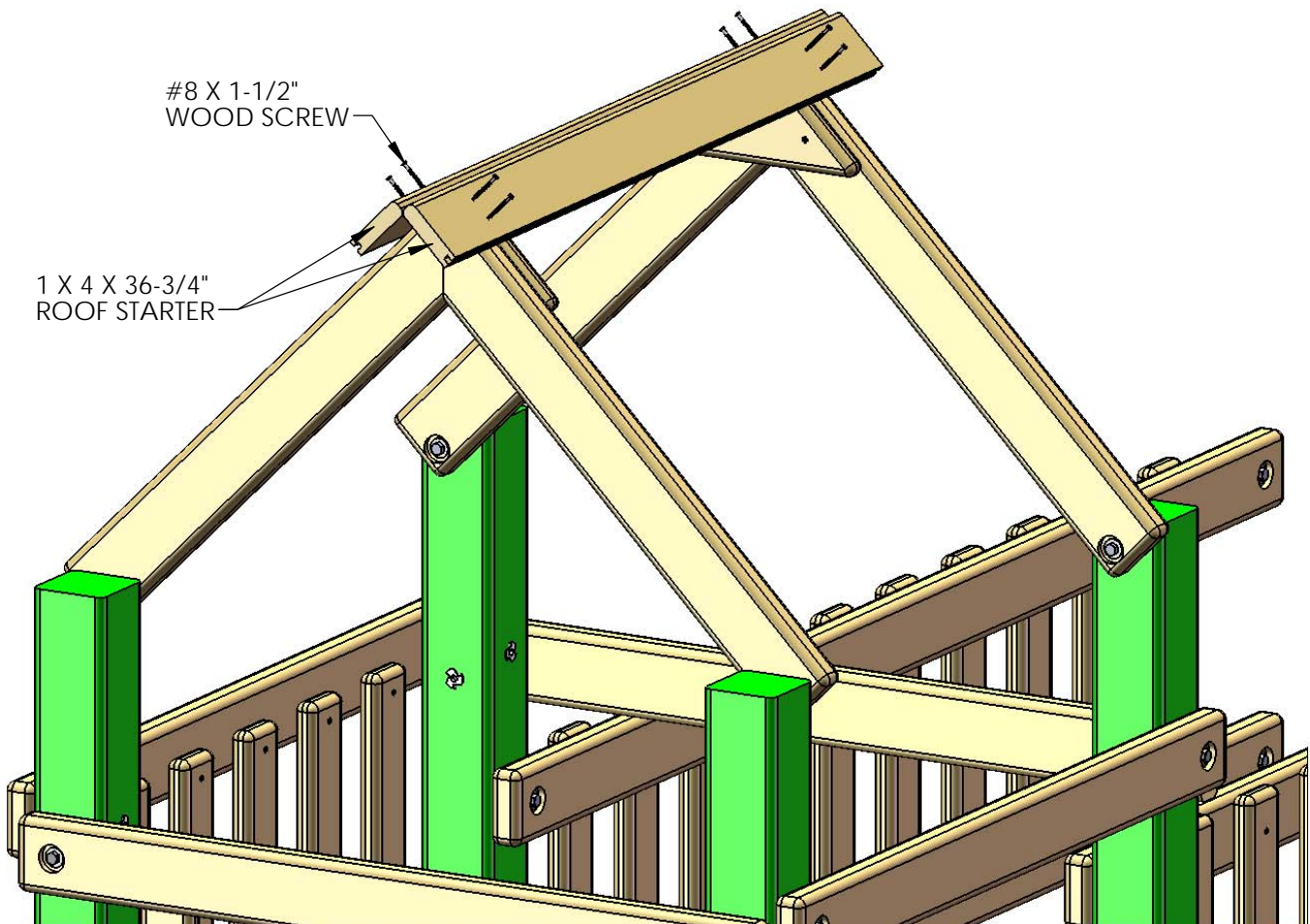
1: PLACE THE 1 X 4 X 36-3/4" GROOVE ONLY ROOF STARTERS AT THE PEAK OF THE ROOF. REFER TO THE DIAGRAM BELOW AND MAKE THE OVERHANG THE SAME ON EACH SIDE OF THE STARTER.

2: PLACE THE STARTERS AS CLOSE TO EACH OTHER AS POSSIBLE WITHOUT THEM OVERLAPPING.

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



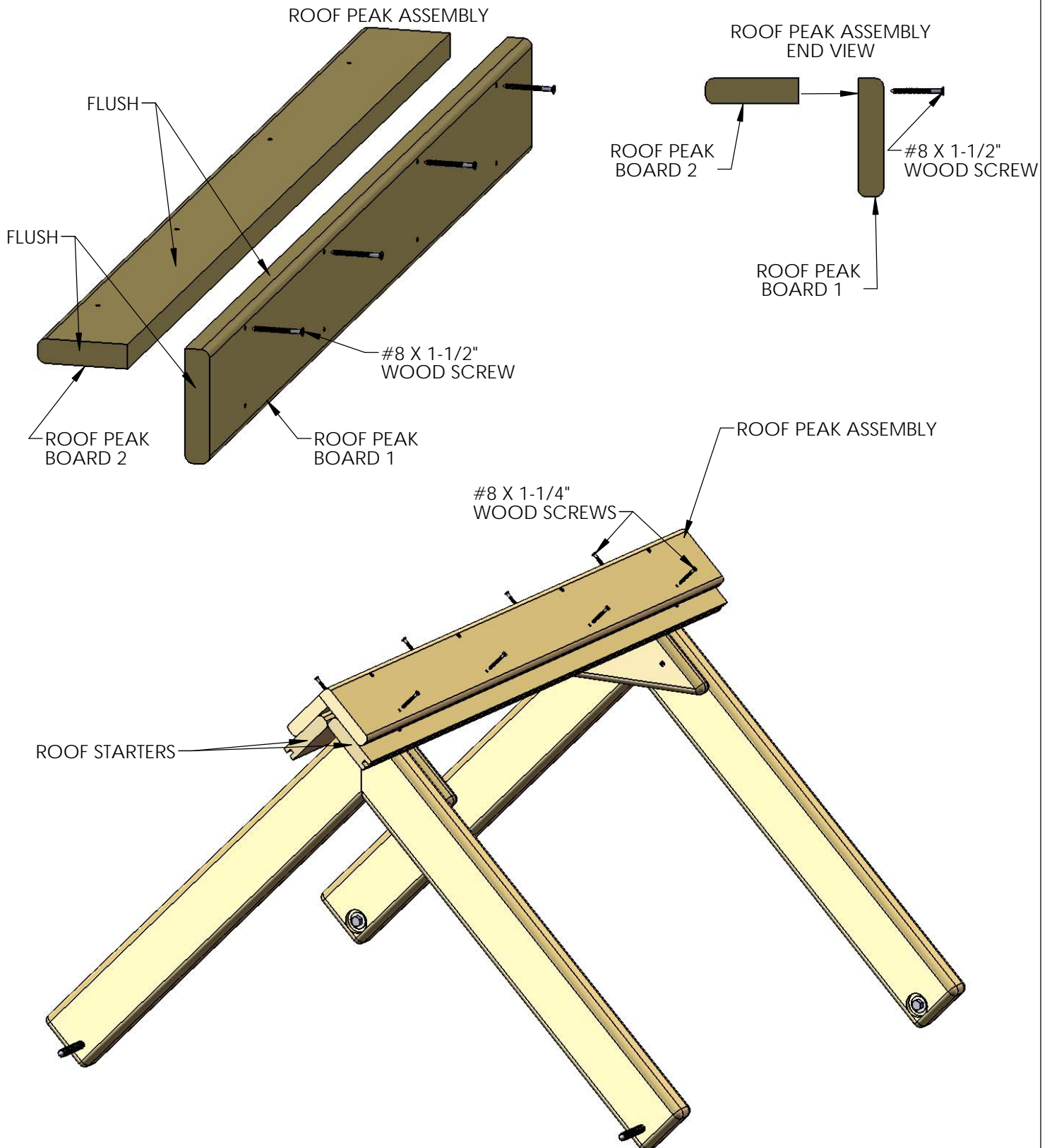
BEFORE INSTALLING THE ROOF STARTERS MAKE SURE DIMENSIONS A AND B MATCH. ALSO MAINTAIN THE SAME OVERHANG OF THE ROOF STARTERS ON EACH SIDE OF THE ROOF SUPPORTS.



## STEP 26: ROOF PEAK

1: FASTEN ROOF PEAK BOARD 1 TO ROOF PEAK BOARD 2 WITH FOUR #8 X 1-1/2" WOOD SCREWS TO MAKE A ROOF PEAK ASSEMBLY

2: PLACE THE ROOF PEAK ASSEMBLY ON TOP OF THE ROOF STARTERS. FASTEN THE ROOF PEAK ASSEMBLY TO THE ROOF STARTERS WITH EIGHT #8 X 1-1/4" WOOD SCREWS.





## STEP 27: ROOF BOARDS AND ROOF FINISHERS

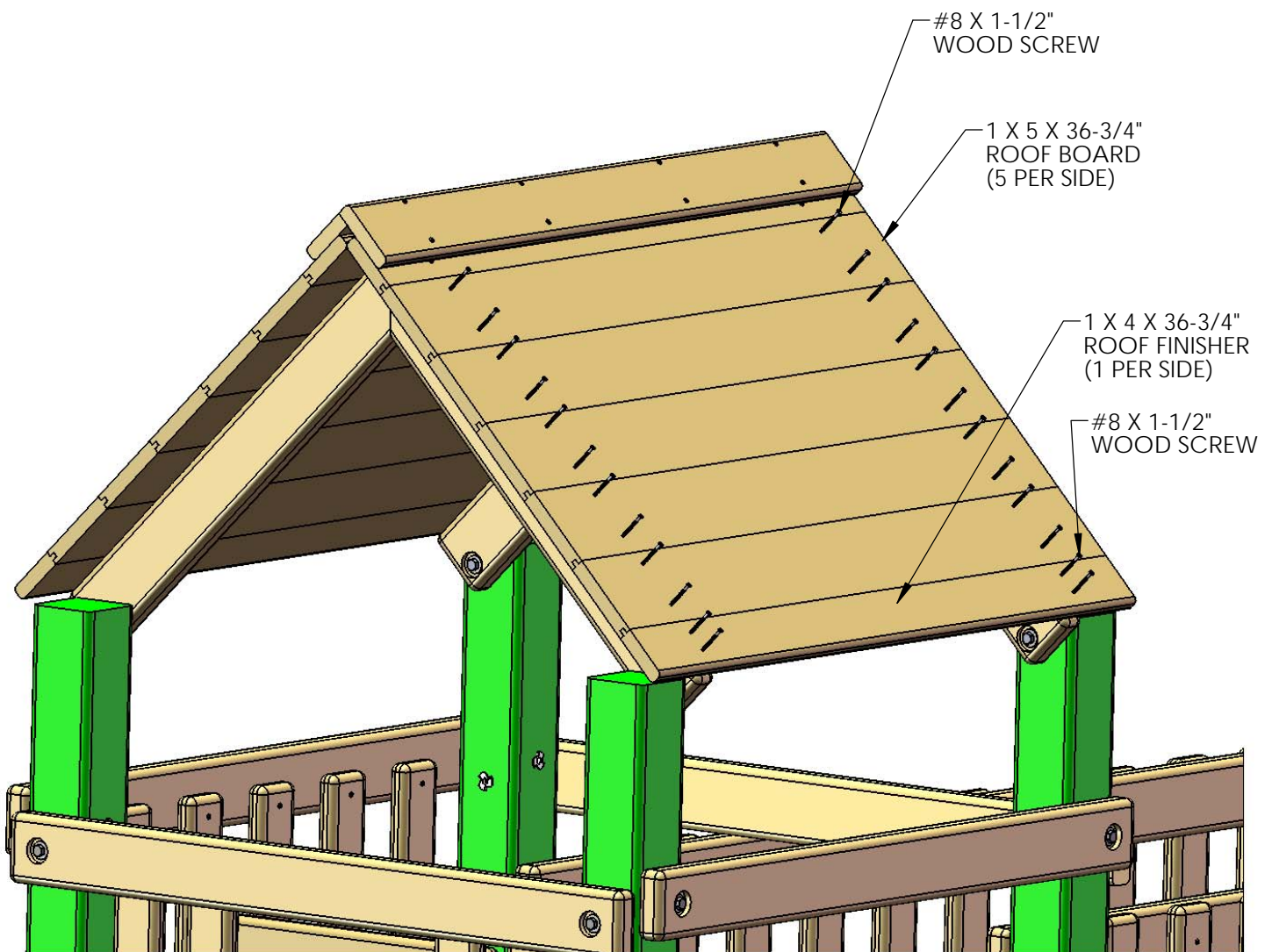
1: LOCATE TEN 1 X 5 X 36-3/4" ROOF BOARDS. SLIDE THE TONGUE OF THE ROOF BOARD INTO THE GROOVE OF THE ROOF STARTER. SECURE THE ROOF BOARD TO THE ROOF SUPPORTS WITH FOUR #8 X 1-1/2" WOOD SCREWS.

2: SLIDE THE NEXT ROOF BOARD TONGUE INTO THE GROOVE OF THE PREVIOUS ROOF BOARD. SECURE THE ROOF BOARD TO THE ROOF SUPPORTS WITH FOUR #8 X 1-1/2" WOOD SCREWS.

3: REPEAT SUBSTEP 2 FOR THE NEXT 3 ROOF BOARDS.

4: LOCATE A 1 X 4 X 36-3/4" ROOF FINISHER (TONGUE ONLY). INSERT THE TONGUE OF THE ROOF FINISHER INTO THE GROOVE OF THE LAST ROOF BOARD. SECURE THE ROOF FINISHER TO THE ROOF SUPPORTS WITH FOUR #8 X 1-1/2" WOOD SCREWS.

5: REPEAT SUBSTEPS 1 THROUGH 4 FOR THE ROOF BOARDS AND ROOF FINISHER ON THE OTHER SIDE OF THE ROOF.

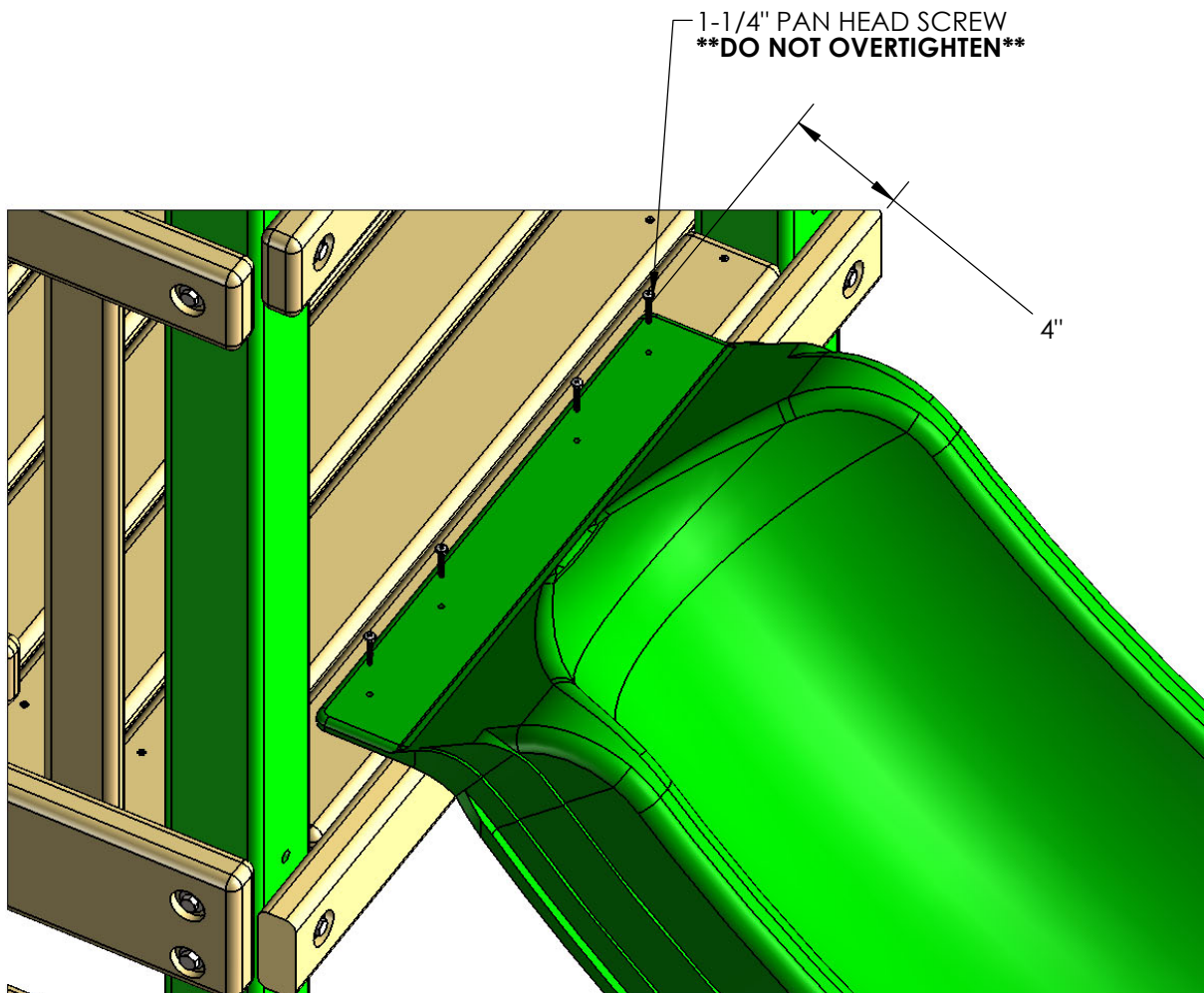
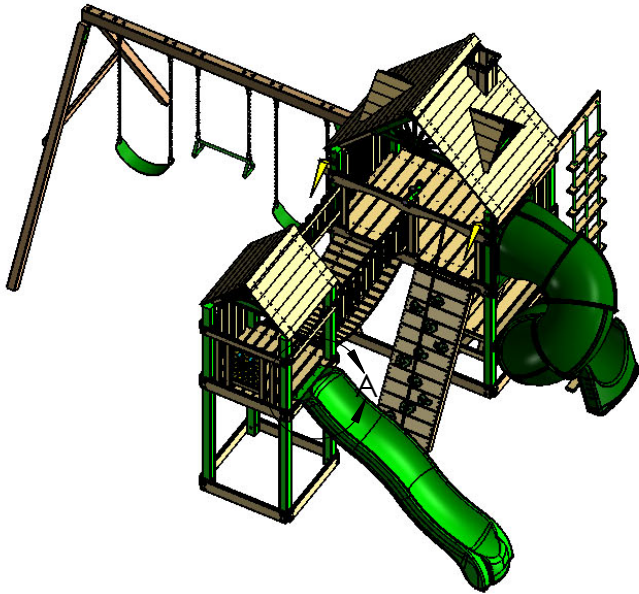


## STEP 28: MOUNTING THE SLIDE

1: PLACE THE SLIDE IN THE OPENING AT THE FRONT RIGHT OF THE CLATTER BRIDGE. LAY THE SLIDE ON THE DECK WITH THE LIP EXTENDING ONTO THE DECK SPACER.

2: PREDRILL 1/8" HOLES INTO THE DECK SPACER AT THE SCREW LOCATIONS.

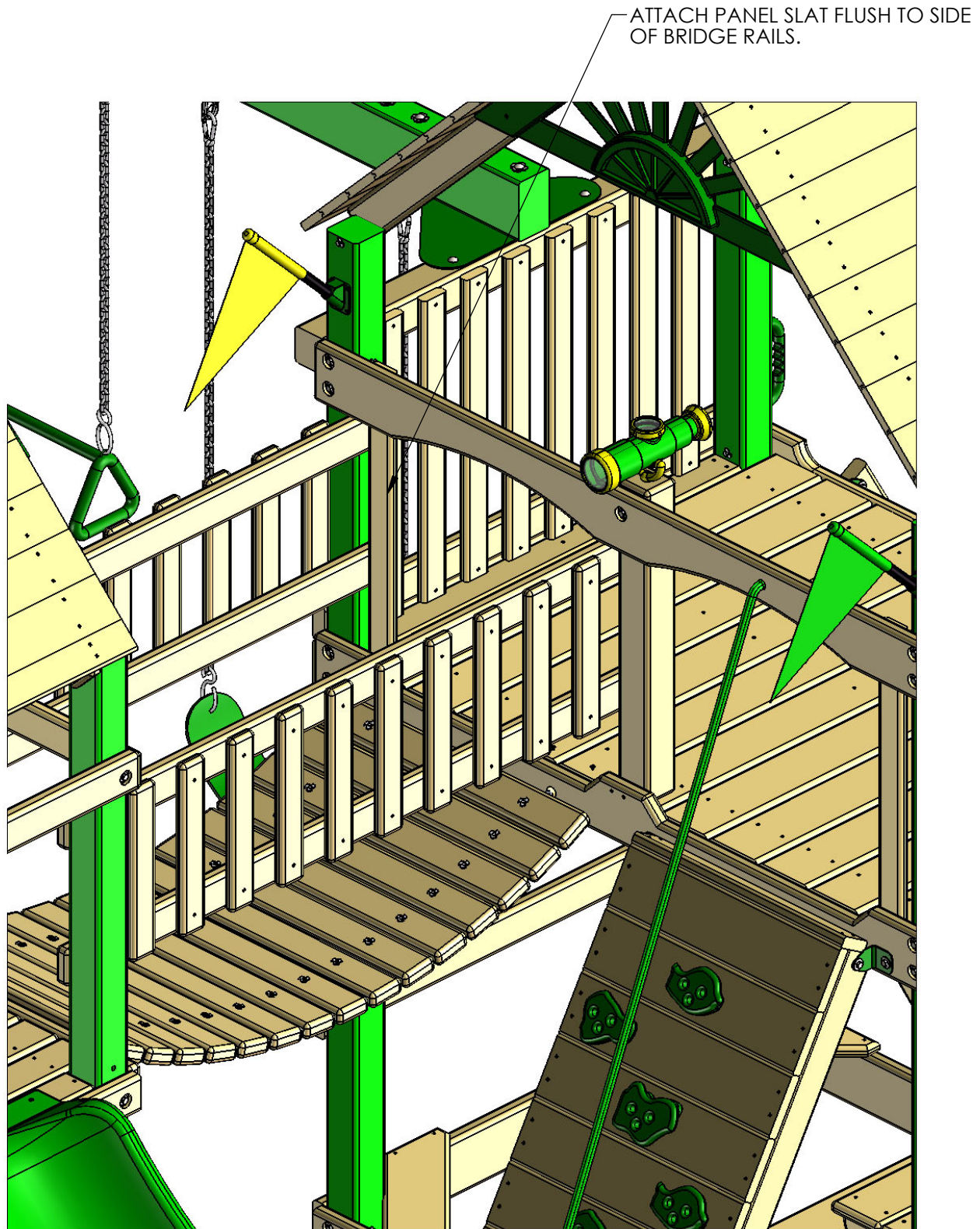
3: ATTACH THE SLIDE TO THE DECK SPACER WITH 1-1/4" PAN HEAD SCREWS. **\*\*DO NOT OVERTIGHTEN\*\***



## STEP 29: PANEL SLAT

1: PLACE THE 5/4 X 3 X 28-1/4" PANEL SLAT FLUSH TO THE SIDE OF THE BRIDGE RAILS AS SHOWN BELOW.

2: ATTACH THE PANEL SLAT TO THE ROPE LADDER SUPPORT AND FRONT FACE BOARD ON THE INSIDE WITH #8 X 2" WOOD SCREWS.

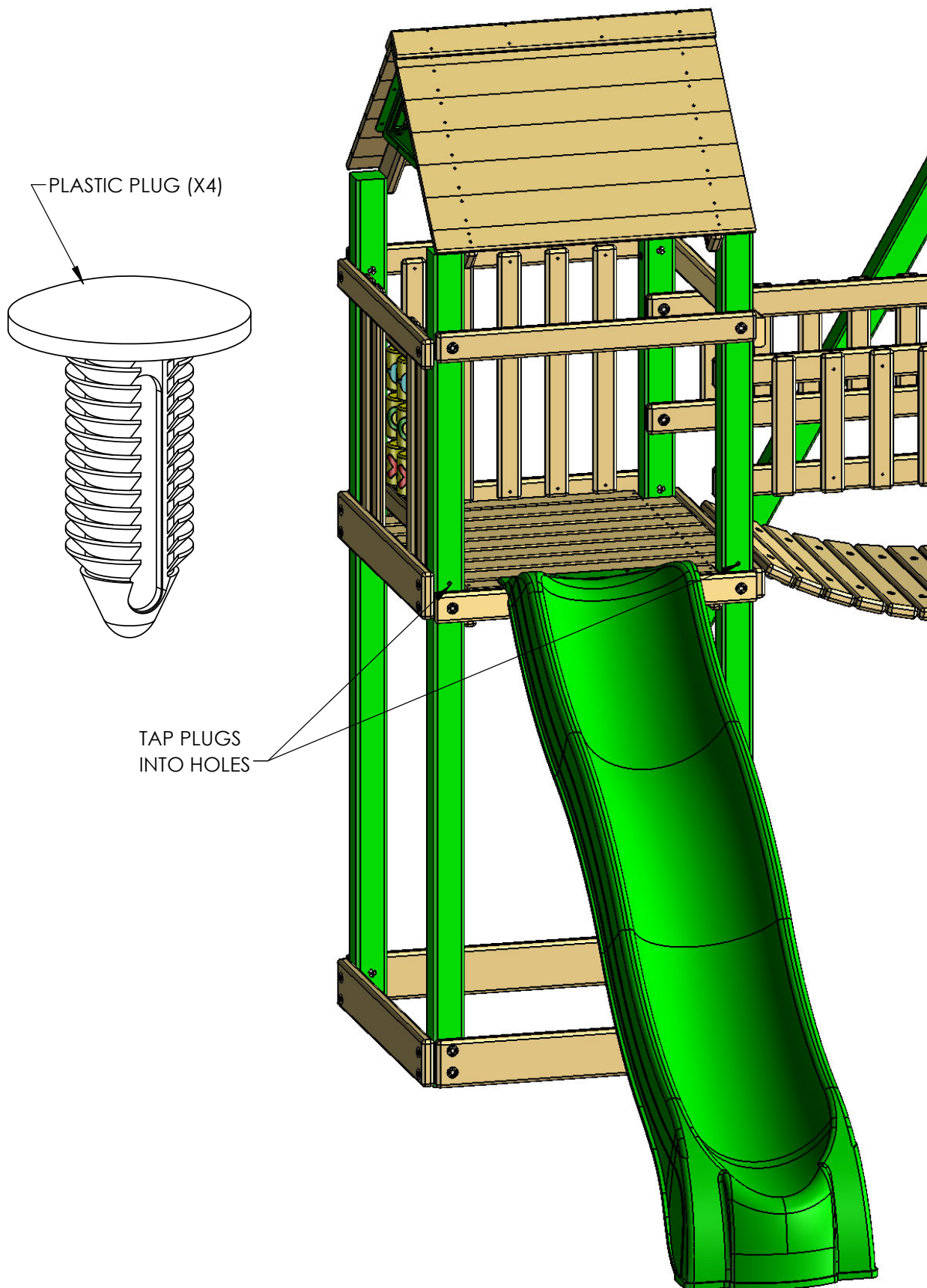




## STEP 30: PLASTIC PLUGS

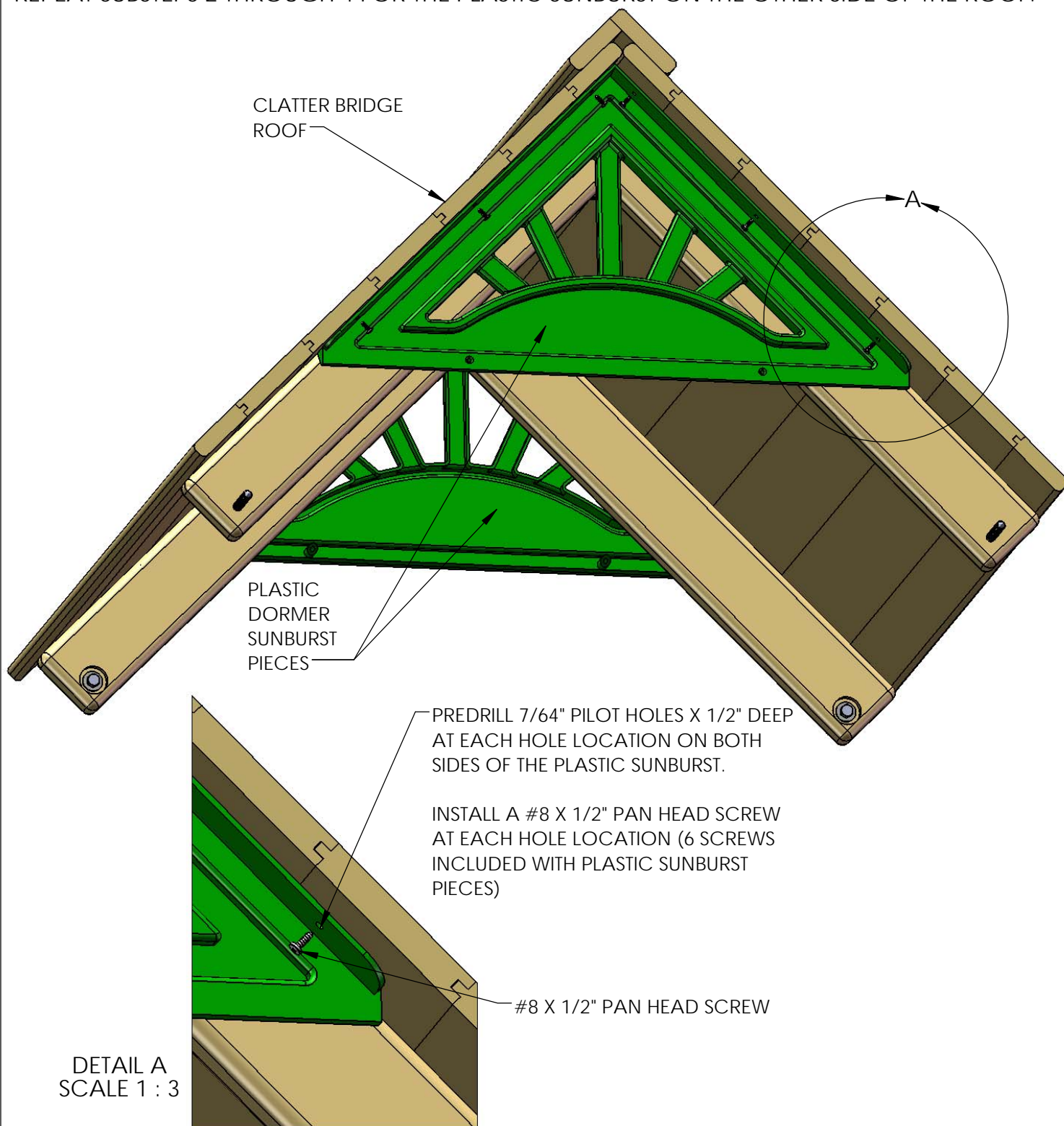
1: LOCATE 4 PLASTIC PLUGS

2: TAP EACH PLUG INTO THE FRONT AND BACK SIDE OF THE HOLES SHOWN BELOW.



## STEP 31: PLASTIC SUNBURST

- 1: LOCATE TWO OF THE PLASTIC DORMER SUNBURST PIECES AS SHOWN.
  - 2: PLACE THE PIECES AGAINST THE UNDERSIDE OF THE CLATTER BRIDGE ROOF OVERHANG.
  - 3: PREDRILL 7/64" PILOT HOLES BY 1/2" DEEP INTO THE ROOF SIDES AT EACH HOLE LOCATION
  - 4: INSTALL A #8 X 1/2" PAN HEAD SCREWS IN EACH HOLE TO FASTEN THE PLASTIC SUNBURST TO THE ROOF SIDES.
- REPEAT SUBSTEPS 2 THROUGH 4 FOR THE PLASTIC SUNBURST ON THE OTHER SIDE OF THE ROOF.



#### Leftover Parts List 1500JW/1500JWF Play Sets

Our 1500 series play sets are modular and include parts to construct many different models. Some of these parts included with your play set will not be used because they are for a different model. The list below includes parts for your play set that will be leftover when construction is completed.

2 pieces 125-3-2850-PS Panel Slats (We include these parts for various ways of building the clatter bridge tower.)

1 piece 2-4-2856-CPFR Center Post Front/Rear (This part is only used in play sets that do not have a clatter bridge on the front of the play set.)

1 piece 125-4-4038-DS Deck Spacer (This part is used for playsets that do not have a tube slide on them.)

1 piece 2-4-2925-SHB (This part is not used for this playset.)



# APPENDIX

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



#8 X 2"  
WOOD SCREW  
QTY: 4



#8 X 1-1/2"  
WOOD SCREW  
QTY: 14



#8 X 1-1/4"  
WOOD SCREW  
QTY: 6



#2 SQUARE  
DRIVE BIT  
QTY: 1

9

8

7

6

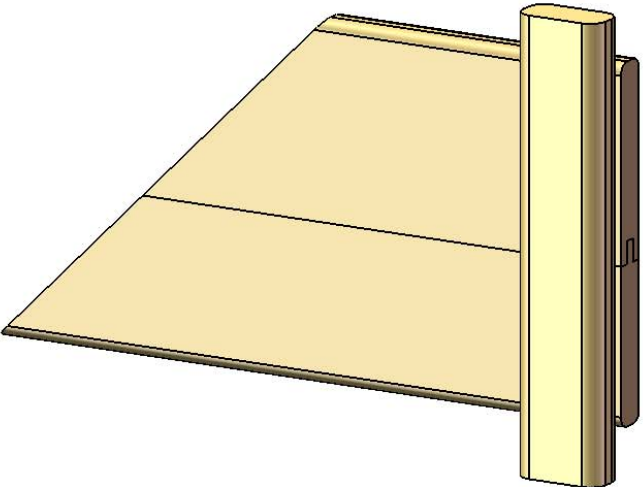
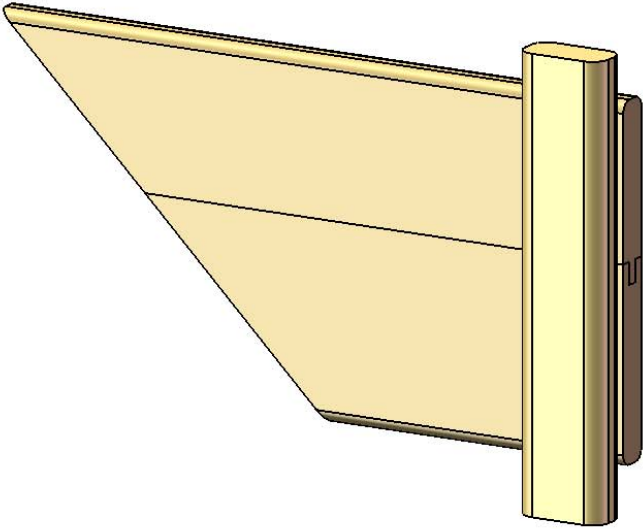
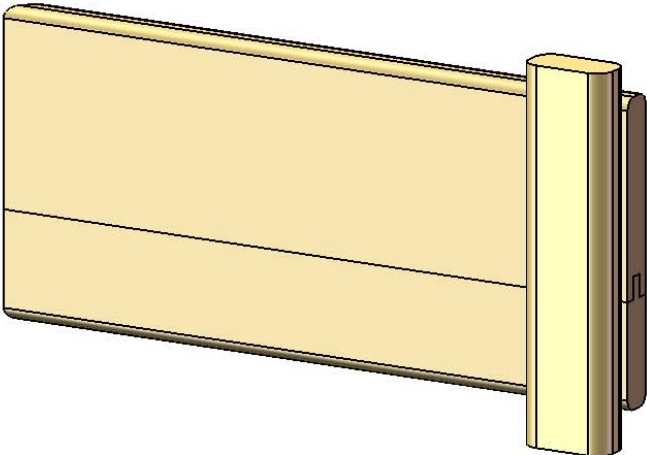
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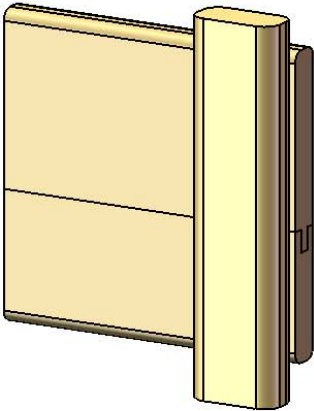
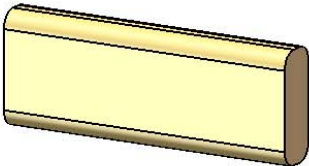
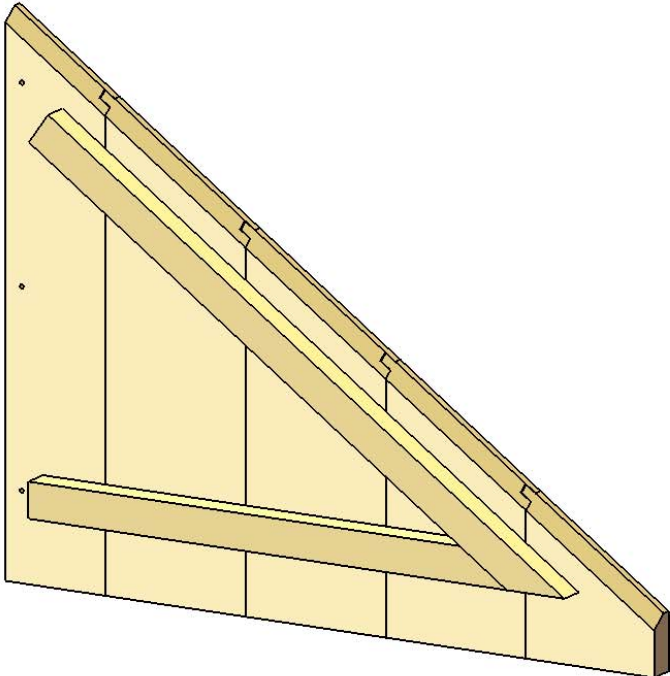
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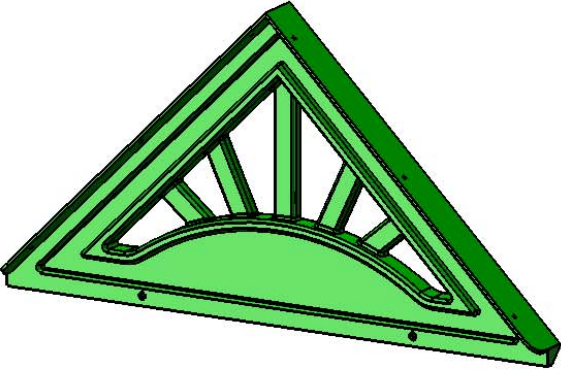
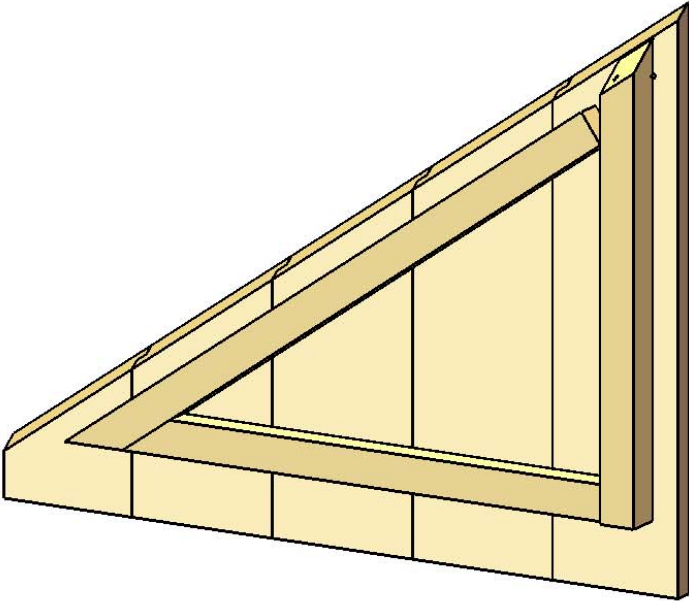
3

2

1

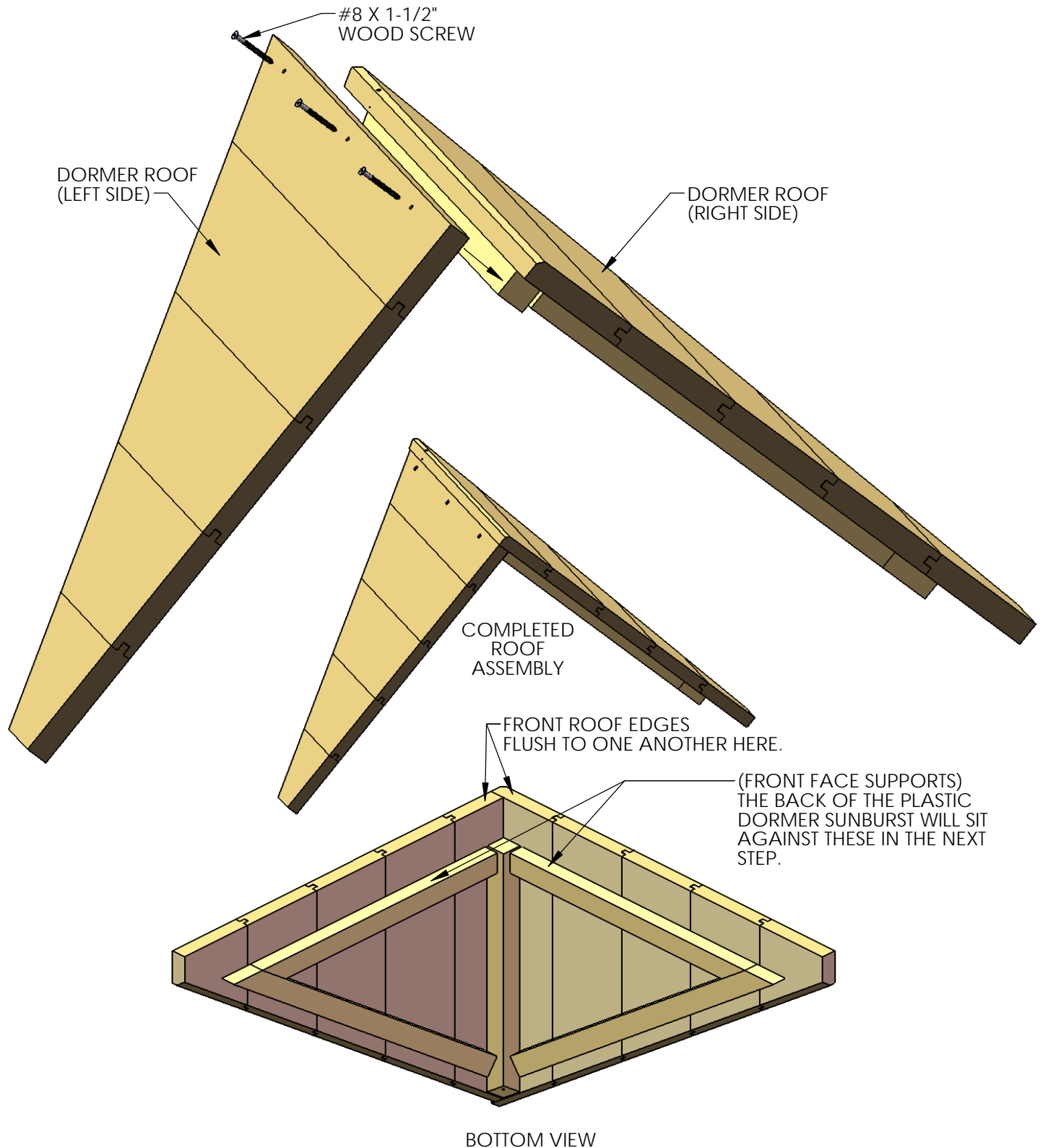
PICTURE	DESCRIPTION	QTY.
	CHIMNEY LEFT SIDE ASSEMBLY	1
	CHIMNEY RIGHT SIDE ASSEMBLY	1
	CHIMNEY FRONT ASSEMBLY	1

PICTURE	DESCRIPTION	QTY.
	CHIMNEY REAR ASSEMBLY	1
	5/4X3X6-3/4" CHIMNEY MOUNTING BLOCK	1
	DORMER LEFT SIDE ASSEMBLY	2

PICTURE	DESCRIPTION	QTY.
	PLASTIC DORMER SUNBURST (07-0031)	2
	DORMER RIGHT SIDE ASSEMBLY	2

## STEP 1: DORMER

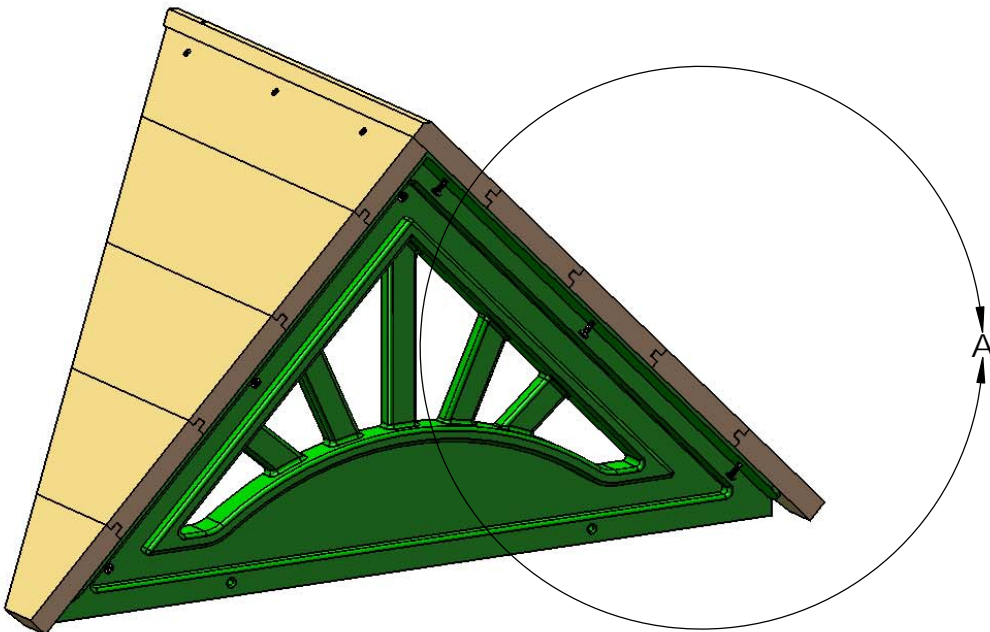
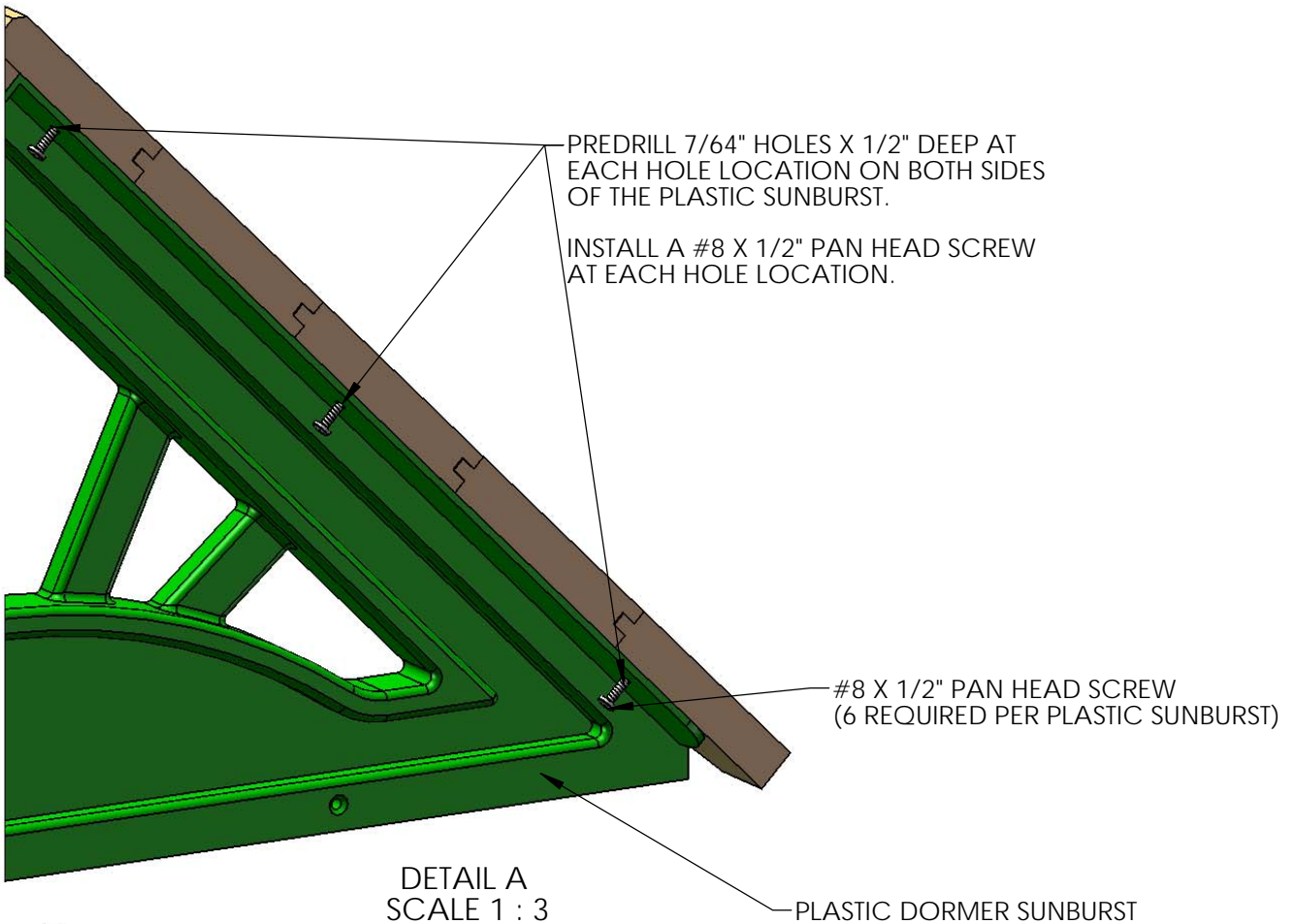
- 1: OVERLAP THE LEFT DORMER SIDE ONTO THE PEAK SUPPORT OF THE RIGHT DORMER SIDE.
  - 2: MAKE SURE THE FRONT ROOF EDGES ARE FLUSH TO ONE ANOTHER
  - 3: FASTEN THE LEFT DORMER SIDE TO THE PEAK SUPPORT WITH #8 X 1-1/2" WOOD SCREWS.
- REPEAT SUBSTEPS 1-3 TO CONSTRUCT ANOTHER ROOF ASSEMBLY.





## STEP 2: DORMER

- 1: PLACE THE PLASTIC DORMER SUNBURST AGAINST THE FRONT FACE SUPPORT ON THE LEFT AND RIGHT ROOF SIDES.
  - 2: PREDRILL 7/64" PILOT HOLES BY 1/2" DEEP INTO THE ROOF SIDES AT EACH HOLE LOCATION.
  - 3: INSTALL #8 X 1/2" PAN HEAD SCREWS TO FASTEN THE SUNBURST TO THE ROOF SIDES.
- REPEAT SUBSTEPS 1 THROUGH 3 TO CONSTRUCT THE SECOND DORMER.



## STEP 3: DORMER

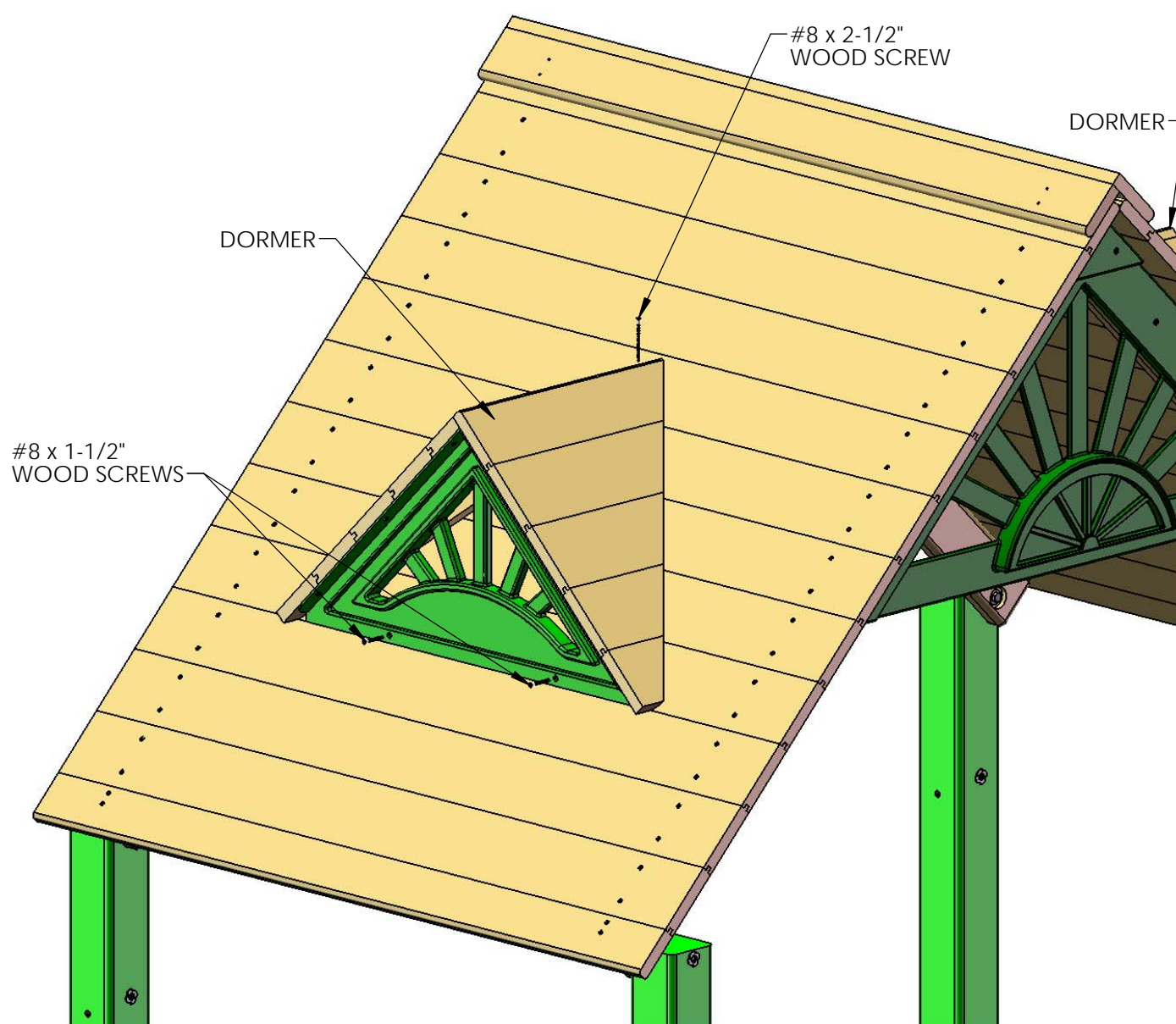
1: PLACE THE DORMER ASSEMBLY ON THE ROOF AS SHOWN.

2: FOR 1500 SERIES UNITS LINE UP THE BOTTOM EDGE OF THE PLASTIC SUNBURST WITH THE LOWER EDGE OF THE 8TH ROOF BOARD.

3: CENTER THE DORMER FROM SIDE TO SIDE ON TOP OF THE ROOF.

4: ATTACH THE DORMER TO THE ROOF WITH ONE #8 X 2-1/2" WOOD SCREW AT THE REAR PEAK OF THE ROOF. ATTACH THE DORMER SUNBURST TO THE ROOF WITH TWO #8 X 1-1/2" WOOD SCREWS.

REPEAT SUBSTEPS 1 THROUGH 4 FOR THE DORMER ON THE OTHER SIDE OF THE ROOF.

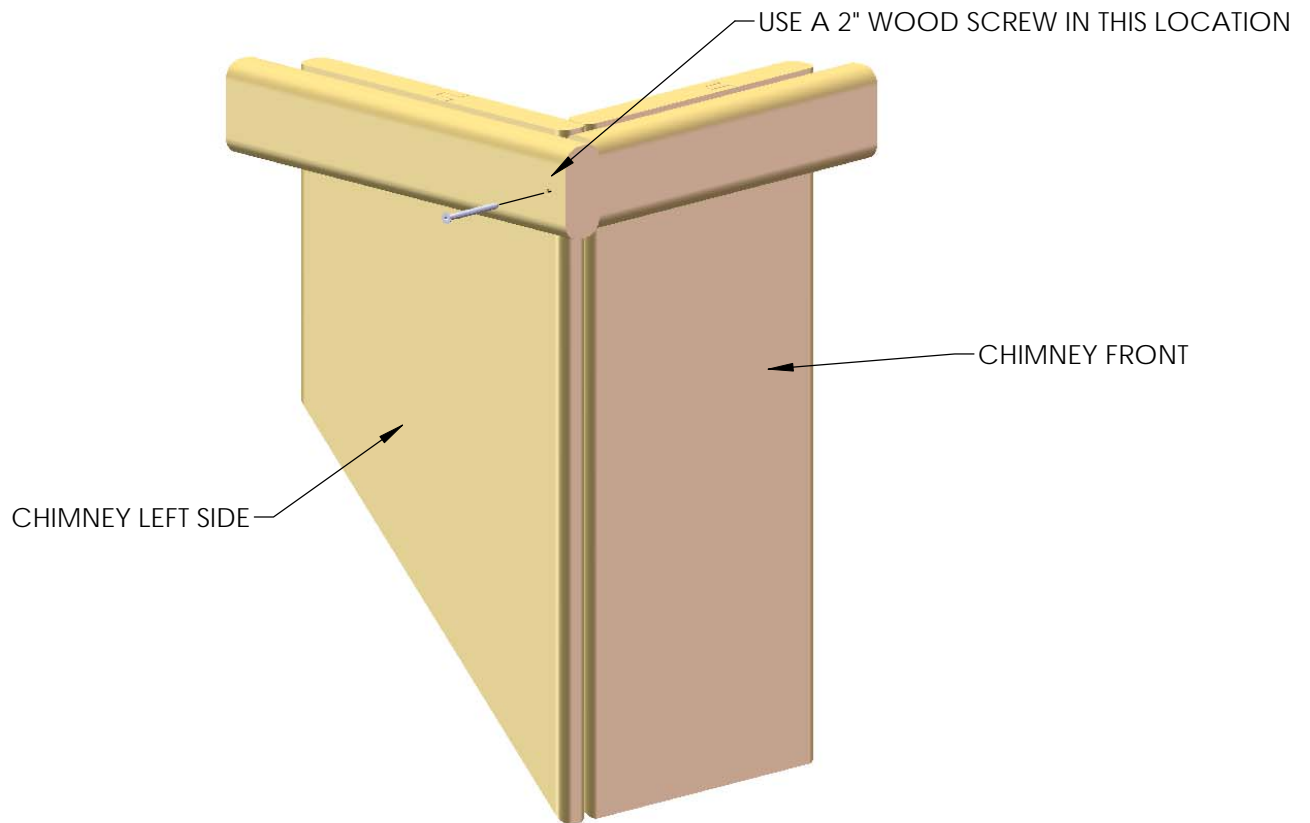


THE UNIT SHOWN ABOVE MAY NOT BE YOUR EXACT PLAY SET.  
SHOWN FOR ILLUSTRATION PURPOSES ONLY.

## STEP 4: CHIMNEY

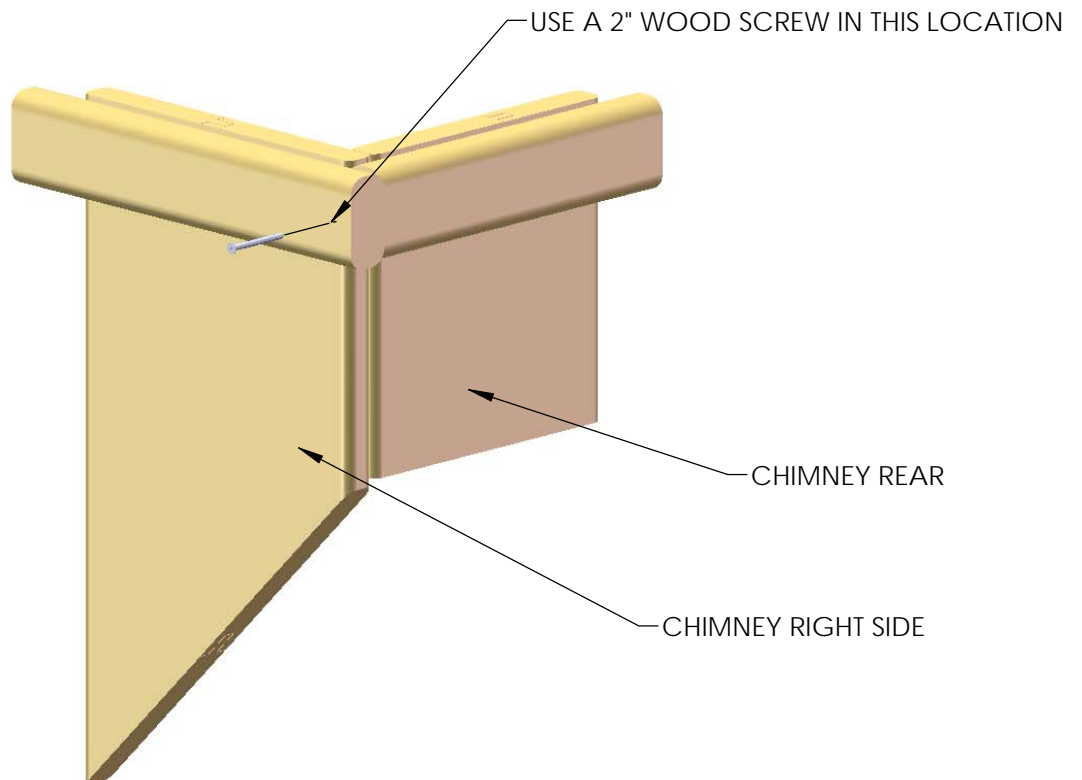
1: FIND THE FRONT AND LEFT SIDE OF THE CHIMNEY.

2: ATTACH THE FRONT AND LEFT SIDES OF THE CHIMNEY WITH A 2" WOOD SCREW.



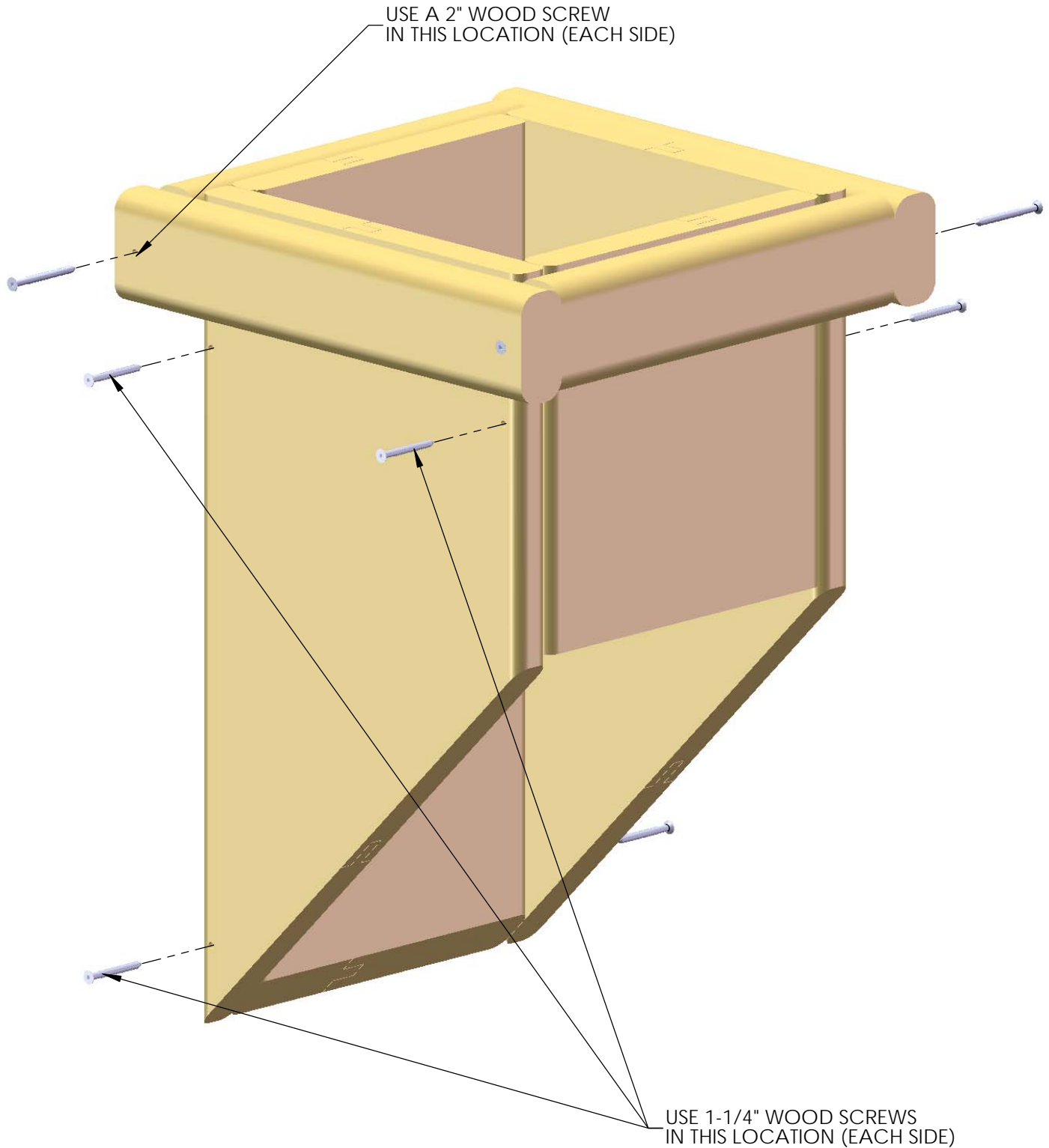
1: FIND THE REAR AND RIGHT SIDE OF THE CHIMNEY.

2: ATTACH THE REAR AND RIGHT SIDES OF THE CHIMNEY WITH A 2" WOOD SCREW.



## STEP 5: CHIMNEY

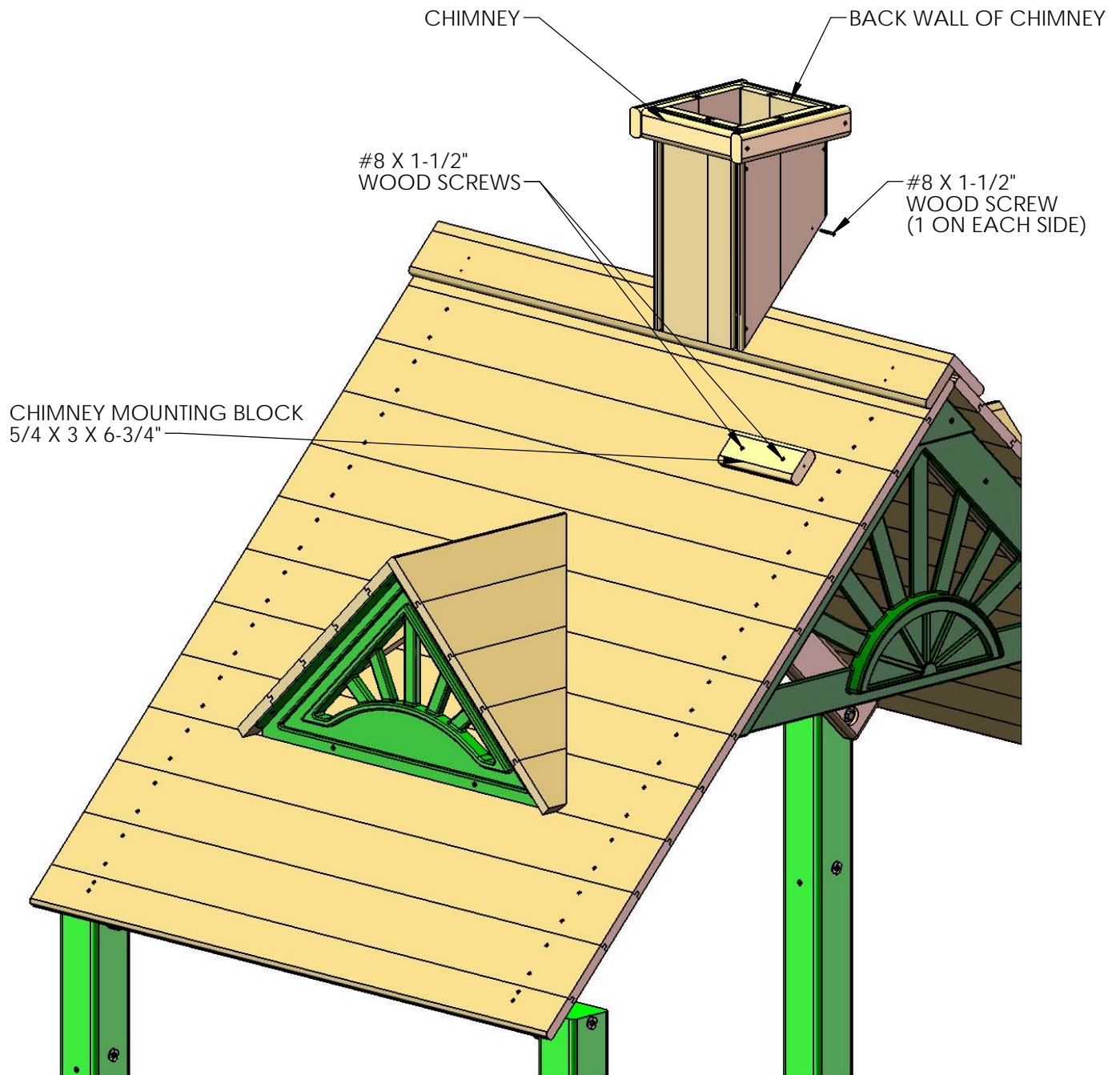
1: ATTACH THE CHIMNEY SIDES FROM THE PREVIOUS SIDES TO FORM THE CHIMNEY WITH 2" AND 1-1/4" WOOD SCREWS.





## STEP 6: CHIMNEY

- 1: FASTEN THE 5/4 X 3 X 6-3/4" CHIMNEY MOUNTING BLOCK TO THE ROOF WITH #8 X 1-1/2" WOOD SCREWS. YOU CAN PLACE THE BLOCK AT ANY DESIRED PLACE ON THE ROOF. USE THE DIAGRAM BELOW AS A GUIDE FOR A SUGGESTED PLACE TO MOUNT THE CHIMNEY.
- 2: AFTER INSTALLING THE CHIMNEY MOUNTING BLOCK PLACE THE CHIMNEY ASSEMBLY ON THE ROOF SO THAT THE INSIDE OF THE BACK WALL RESTS AGAINST THE BLOCK.
- 3: FASTEN THE CHIMNEY TO THE CHIMNEY MOUNTING BLOCK WITH A #8 X 1-1/2" WOOD SCREW IN EACH SIDE.



THE ABOVE UNIT MAY NOT BE YOUR EXACT PLAY SET.  
SHOWN FOR ILLUSTRATION PURPOSES ONLY.

## (06-2004) Clatter Bridge Mesh Panels

### Tools Required:

#2 Phillips Bit or screwdriver  
1/8" drill bit  
Pencil  
Drill

### Kit Contents:

2 - Green Mesh Panels 66" x 24"  
44 - Phillips Pan Head Screws  
5.5mm x 25.4mm long  
44 - Washers 16mm O.D. X 7.1mm I.D.

Note: Your mesh panels will be completely green. The pictures below show white border and black mesh panels but they are solely for the purposes of demonstrating how the mesh should be installed.

- 1) Center the mesh on the inside of the lower clatter bridge rail. The top of the mesh border should be flush to the top of the clatter bridge rail. If you wish you may mark through the center of the grommets and then drill a 1/8" pilot hole by 1" deep before installing the pan head screws.
- 2) The "recessed area" in the grommet will receive the washer. Place a pan head screw through a washer. Place the screw centered through the grommet and drive it in. The washer should seat centered with the grommet. Repeat this process for all the grommets across the top of the mesh.
- 3) Go to each end of the mesh. Push the end of the mesh tight to the corner post or clatter bridge post. Then install screws and washers into the two grommets on each end of the mesh.
- 4) Repeat substeps 1 through 3 for the mesh panel on the lower bridge rail on the opposite side.



CENTER THE MESH PANEL ON THE CLATTER BRIDGE RAIL ON THE INSIDE.  
NOTE THE GROMMETS HAVE A RECESSED PART ON ONE SIDE AND IT SHOULD FACE YOU.

YOU MAY PRE-DRILL 1/8" X 1" DEEP HOLES AT EACH GROMMET LOCATION ALONG THE TOP PRIOR TO INSTALLING THE PAN HEAD SCREWS AND WASHERS PROVIDED.

**\*\*IMPORTANT\*\* - Teach your children not to climb onto or hang from the mesh panels. If the mesh ever becomes ripped please replace the damaged panel(s).**

**\*\*FOR AGES 3-11\*\***  
**\*\*FOR RESIDENTIAL USE ONLY\*\***



5) It will be very helpful to have an assistant at this stage. We recommend predrilling holes for the screws on the bottom of the deckboards fastened to the chains. Align the edge of the mesh border with the end of the bridge deck boards. Mark through the center grommet onto the deck board. Drill a 1/8" hole by 1" deep. Have your assistant push down on the board while you install a pan head screw and washer into the hole. Go from the center grommet to one end of the mesh and repeat the mark/drill/install fasteners procedure. Then go from the center grommet to the other side and do the same.



MARK THROUGH THE CENTER OF THE CENTER GROMMET ONTO THE MIDDLE DECK BOARD. DRILL A 1/8" X 1" DEEP HOLE AT THE MARK. PLACE A PAN HEAD SCREW THROUGH A WASHER AND INSTALL INTO THE HOLE. TRY TO CENTER THE WASHER ONTO THE GROMMET BEFORE TIGHTENING COMPLETELY.

ALIGN EDGE OF BORDER UNDER THE DECK WITH THE END OF THE 2 X 4 BRIDGE DECK BOARDS THAT ARE FASTENED TO THE CHAINS.



Example picture of the completed Clatter Bridge Mesh Panels.

# Treehouse Add On Kit



Note: Plastic Sunburst and Flags shown come with your playset. These items are not included with the 1525 kit.

## **Model: 1525**

(BOXES: 1525 wood box, 1525  
Hardware box & 2 Windows  
REV: 6.8.2020

## **\*\*\*IMPORTANT NOTICE FOR TREEHOUSE KIT PLAYSETS\*\*\***

Read all instructions thoroughly before beginning construction, this is very important. The “Treehouse Add On Kit” (1525) box will require you to deviate slightly from the standard kit instructions.

### **Typical deviations include:**

1) The Telescope that is usually on the front of the set on the Front face board (arched board) must be moved to another location on the set. Additional instructions to mount the Telescope are included in the play set Appendix or with the “Treehouse Add On Kit” manual. Mount the Telescope along the top of any of the railings that do not interfere with any areas that are activity openings.

### **2) DURING ROOF CONSTRUCTION:**

Both Roof Peak Support Triangles will be required to build the main roof. Then the Roof Peak Support Triangle is removed from the inside of the front Roof Supports on the front of the play set. It will be necessary to re-use the Roof Support Triangle to connect the roof supports from the Treehouse Kit to one another.

The Plastic Sunburst must be left off the front of the play set until after the “Treehouse Add On Kit” is installed onto the front of the play set.

3) Flag Kits which normally reside on the front of the front corner posts at the top should be relocated to the front slats of the “Treehouse Add On Kit”

### **Wood/Accessory and Hardware Lists:**

These lists for the “Treehouse Add On Kit” are in the Appendix at the end of your play set instruction manual or they are included with this sheet.

### **Steps to complete the “Treehouse Add On Kit”:**

The instruction steps for the “Treehouse Add On Kit” are in the Appendix at the end of your play set instruction manual or they are included with this sheet.

### **If you are adding the “Treehouse Add On Kit” to a playset that is already built:**

It will be necessary to remove the Flags and Plastic Sunburst from the front side of your playset wood roof. Then remove the 5/4 x 10” Roof Peak Support triangle from the inside of the front Roof Supports. Keep these pieces and hardware since most will be reused during the construction process.

Fill in the holes in the corner posts from the Flags with clear silicone (not included). If you wish to fill the holes with a fastener then use #8 x 1” countersunk head screws with silicone in each hole. You will need to purchase these screws at your local home center if you choose this option.

Fill any small holes in the Roof Supports leftover from removing the Plastic Sunburst with wood filler. Use a stainable wood filler suitable for outdoor use. Then stain the wood filled spots with a suitable matching color of stain.

# TABLE OF CONTENTS

General Information.....	Page 4
Definitions.....	Page 5
Board Identification.....	Page 6
Pre-Drill Lag Screw Directions.....	Page 7
Tool List and Kit Contents .....	Page 8
Hardware, Wood and Accessories.....	Pages 9-12
Assembling The Roof Panels.....	Step 1
Roof Peak Support.....	Step 2
Mounting Roof Sections to Play Set.....	Step 3
Roof Peak.....	Step 4
Sun Support.....	Step 5
Plastic Sunburst.....	Step 6
Wall Panel Boards.....	Step 7
Plastic Windows.....	Step 8
Wall Panel Boards.....	Step 9
Flag Kit.....	Step 10
Telescope Instructions to relocate.....	Pages 23

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

# General Info to Review Before Installation

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



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

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

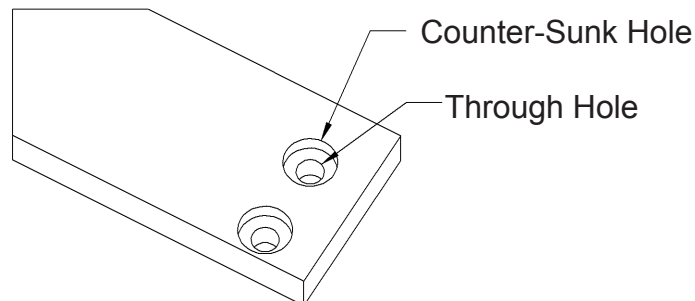
#### **EXAMPLE OF OFFSET HOLES UP**



#### **EXAMPLE OF OFFSET HOLES DOWN**



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



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

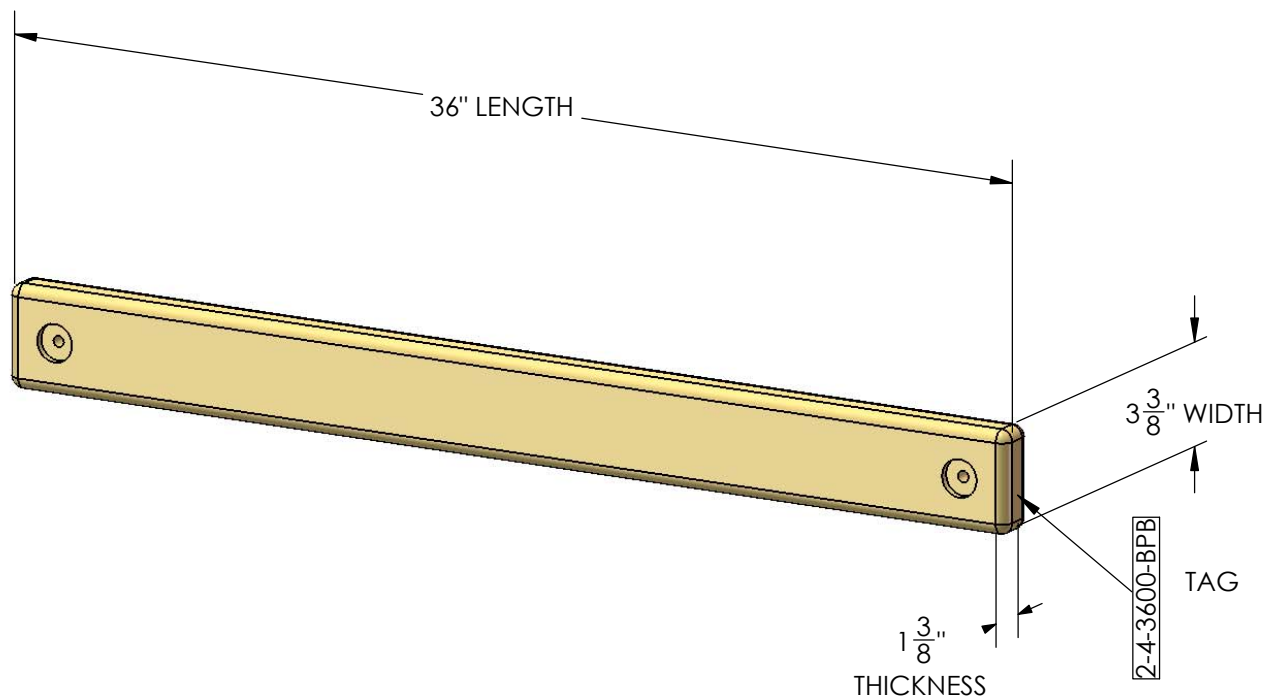


# BOARD IDENTIFICATION

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

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

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



# PRE-DRILL LAG SCREW DIRECTIONS

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

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

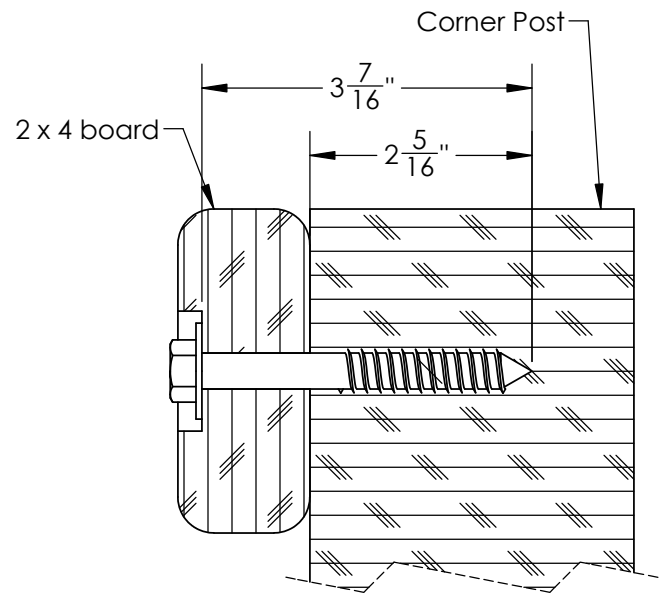
LAG SCREW DIAMETER	DRILL BIT SIZE
5/16" DIAMETER	9/64"
3/8" DIAMETER	11/64"

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

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

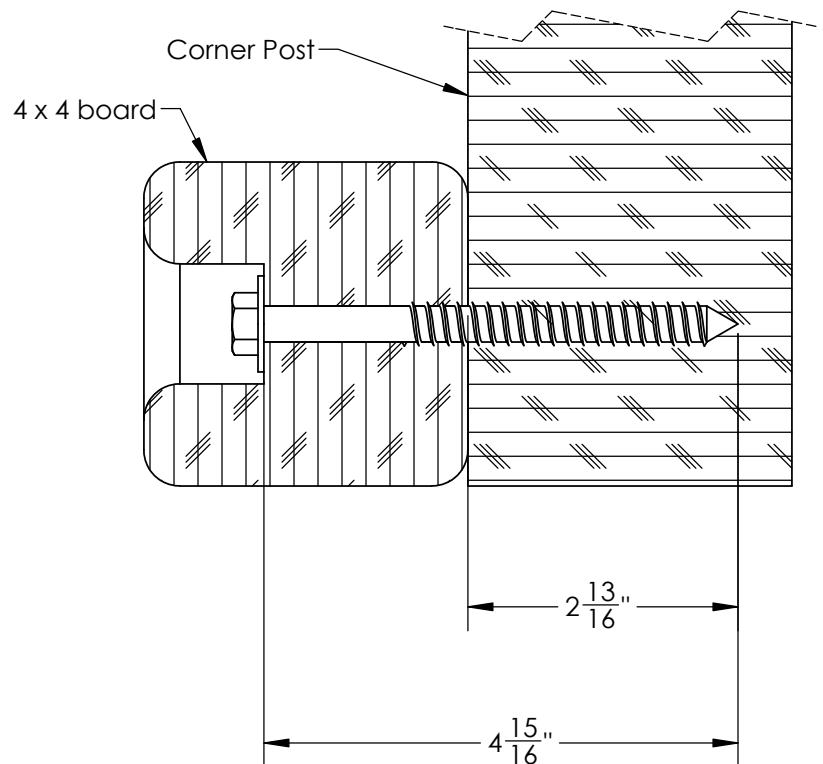
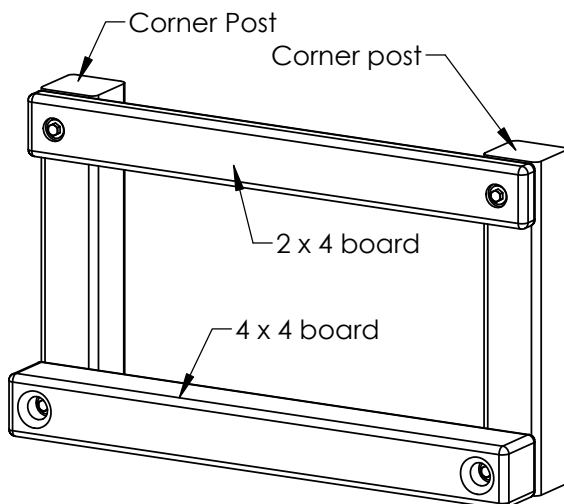
## Example 5/16" diameter x 3-1/2" lag screw

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



## Example 3/8" diameter x 5" lag screw

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



**REQUIRED TOOL LIST:**

- \_\_\_ Standard or Cordless Drill w/ Phillips Bit
- \_\_\_ Drill Bits 1/8", 3/8", 9/64"
- \_\_\_ 1/2" Wrench and Socket
- \_\_\_ 1/2" Deep Well Socket
- \_\_\_ Level
- \_\_\_ Tape Measure
- \_\_\_ Extension Cord (if using standard drill)
- \_\_\_ Hammer
- \_\_\_ Pencil

**KIT CONTENTS****Swings, Slides, Accessories:**

- \_\_\_ (Qty ) Description
- \_\_\_ (2) Plastic Windows

**Hardware:**

*see following pages*

**Wood Components:**

*see following pages*

1525 HARDWARE

PAGE 1 OF 1

11/18/2014 S.O.

#8 X 1-1/4"  
WOOD SCREW  
QTY: 32



#8 X 1-1/2"  
WOOD SCREW  
QTY: 92



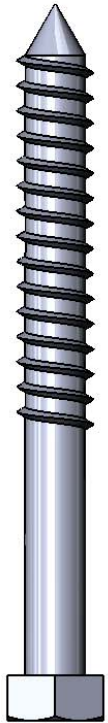
#8 X 2"  
WOOD SCREW  
QTY: 18



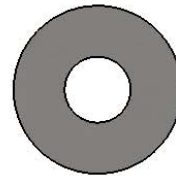
#8 X 2-1/2"  
WOOD SCREW  
QTY: 8



#8 X 3"  
WOOD SCREW  
QTY: 2



5/16" X 3-1/2"  
LAG SCREW  
QTY: 2



5/16" WASHER  
QTY: 2

9

8

7

6

5

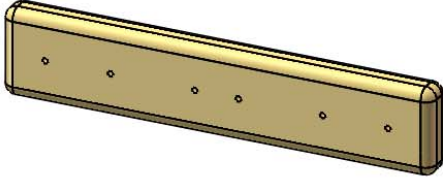
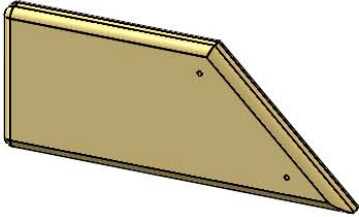
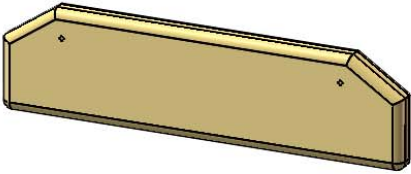
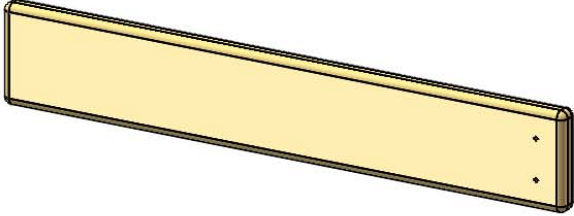
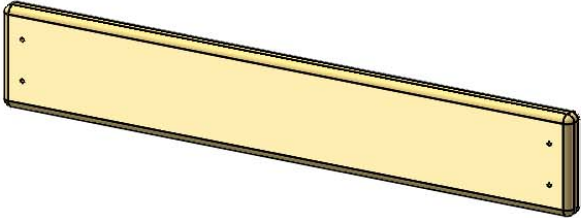
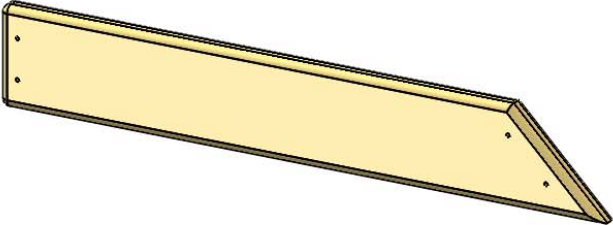
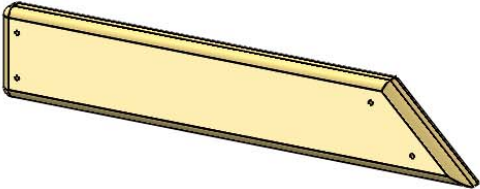
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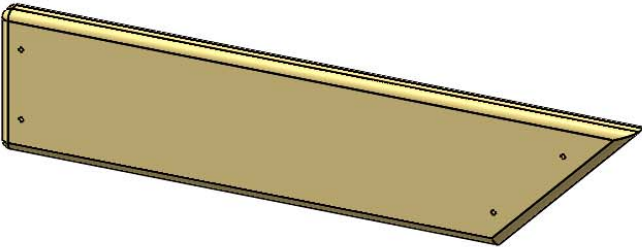
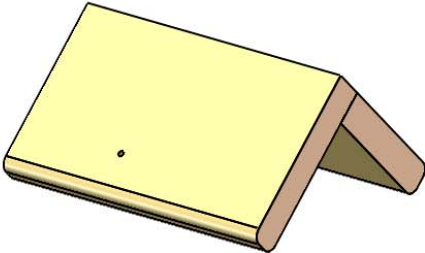
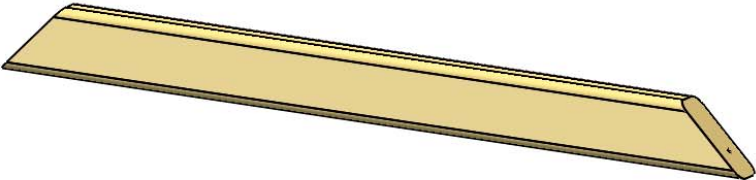
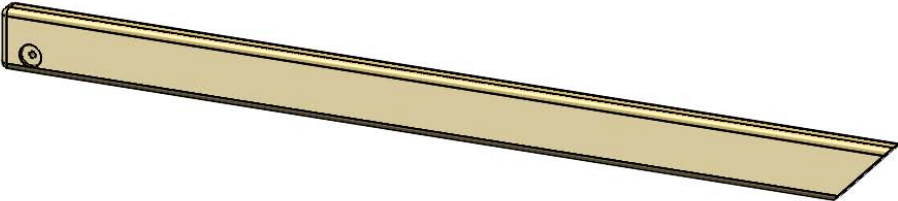
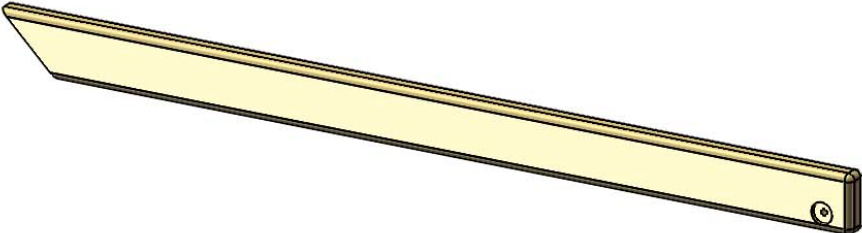
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2

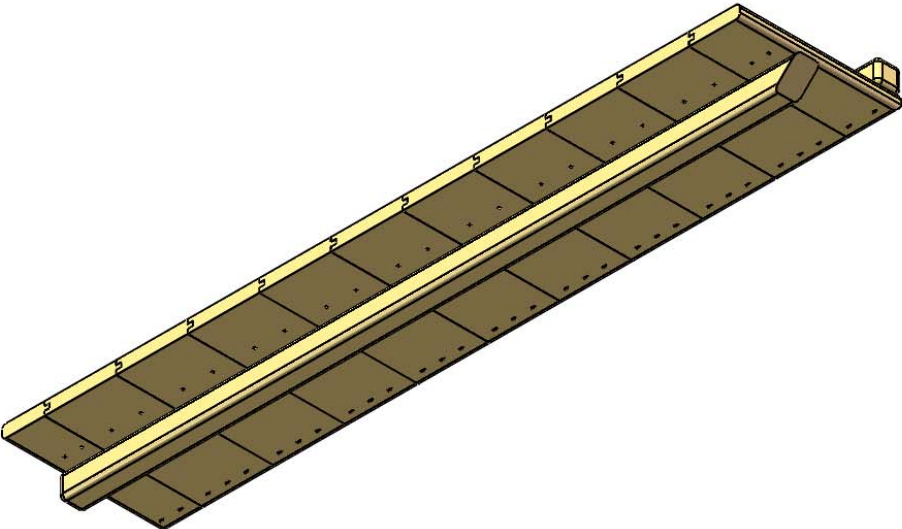
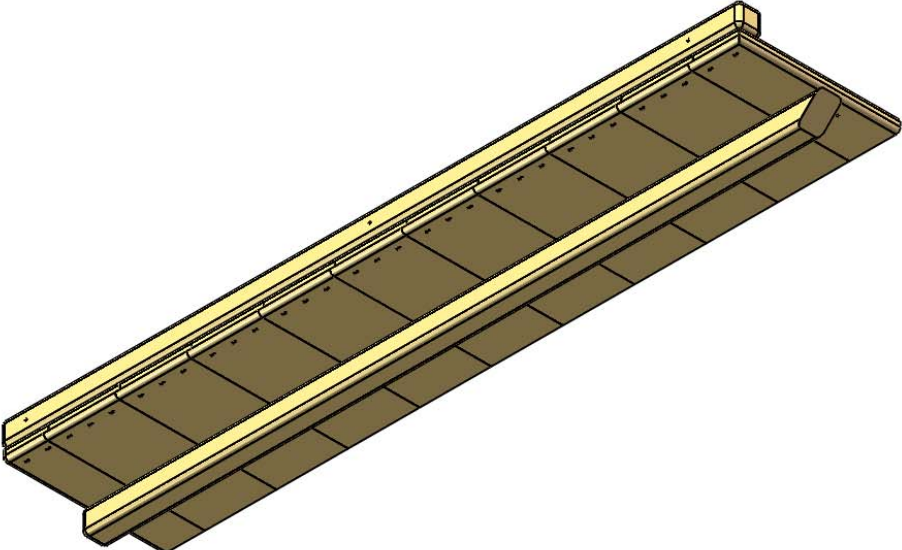
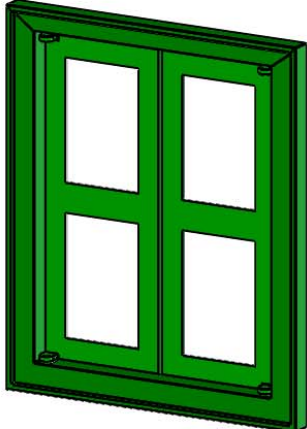
1

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

PICTURE	DESCRIPTION	QTY.
	1 X 2 X 9.88" WALL PANEL BOARD <b>1-2-0988-WPB</b>	3
	1 X 4 X 10.00" WALL PANEL BOARD <b>1-4-1000-WPB</b>	2
	1 X 3 X 11.50" WINDOW TOP/BOTTOM <b>1-3-1150-WTB</b>	4
	1 X 4 X 20.25" WALL PANEL BOARD <b>1-4-2025-WPB</b>	1
	1 X 4 X 20.50" WALL PANEL BOARD <b>1-4-2050-WPB</b>	2
	1 X 4 X 21.75" WALL PANEL BOARD <b>1-4-2175-WPB</b>	2
	1 X 3 X 14.06" WALL PANEL BOARD <b>1-3-1406-WPB</b>	2

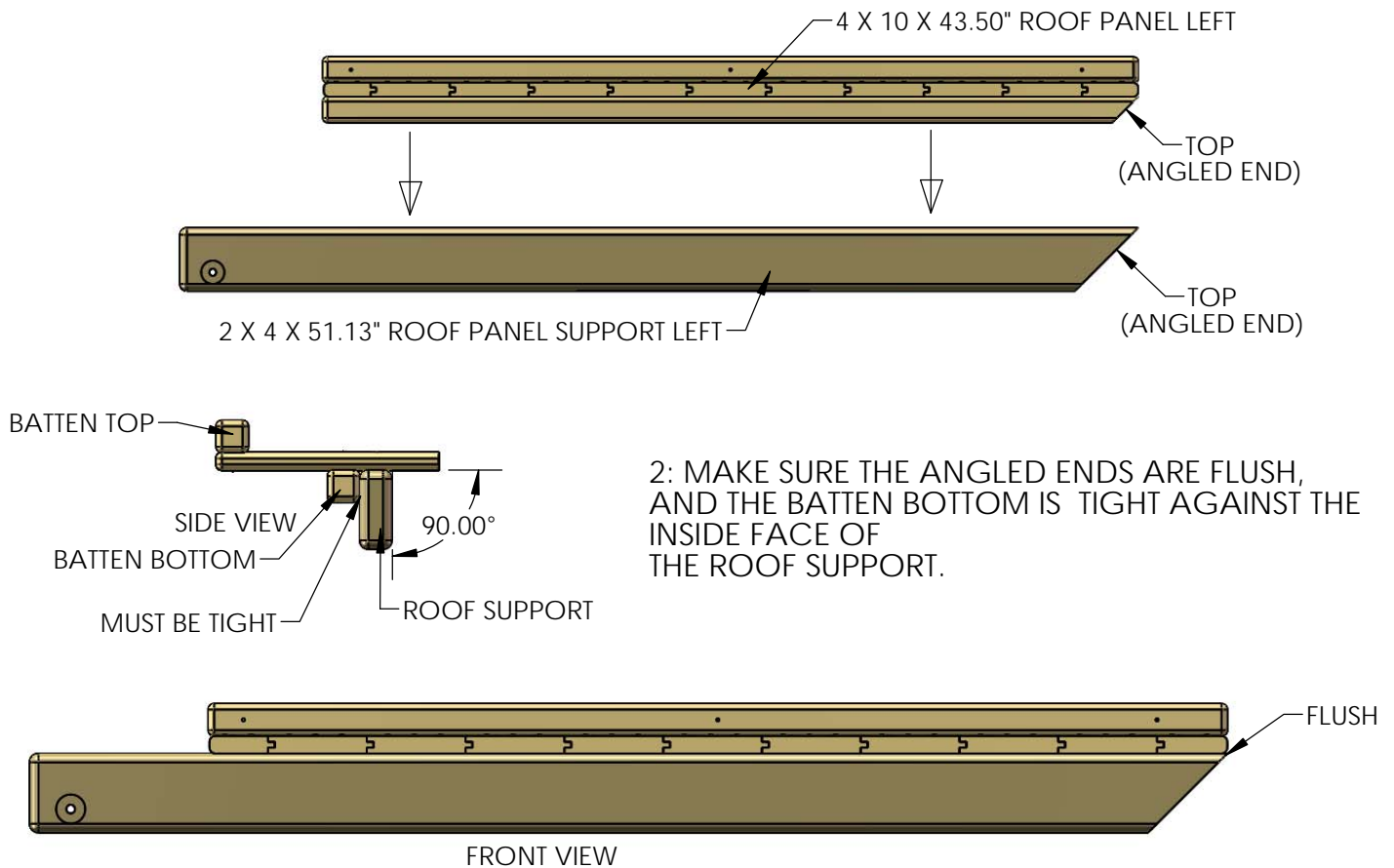
PICTURE	DESCRIPTION	QTY.
	1 X 4 X 18.25" WALL PANEL BOARD <b>1-4-1825-WPB</b>	2
	1 X 5 X 6.88" ROOF PEAK <b>1-5-0688-RP</b>	1
	2 X 3 X 35.70" SUN SUPPORT <b>2-3-3570-SS</b>	1
	2 X 4 X 51.13" ROOF SUPPORT LEFT <b>2-4-5113-RSL</b>	1
	2 X 4 X 51.13" ROOF SUPPORT RIGHT <b>2-4-5113-RSR</b>	1



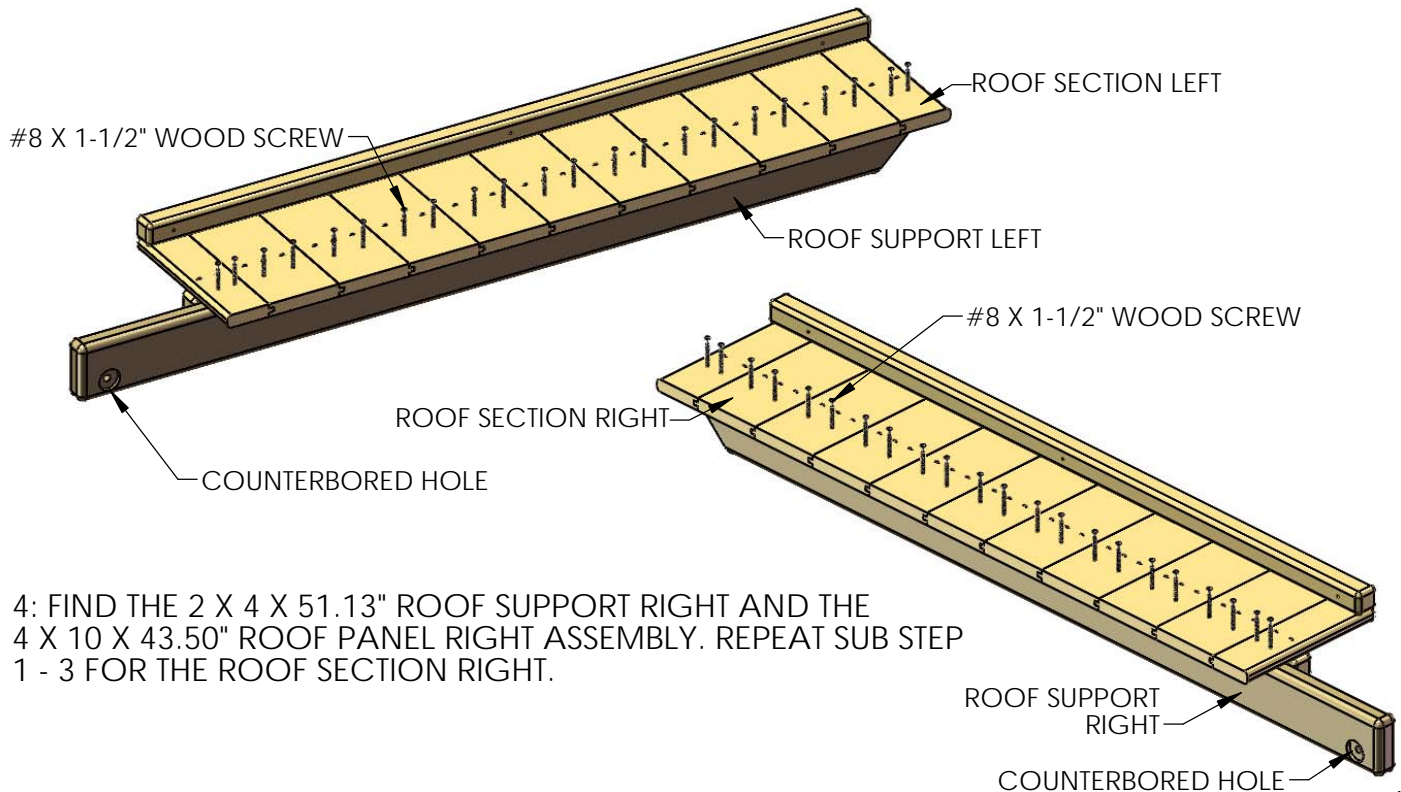
PICTURE	DESCRIPTION	QTY.
	4 X 10 X 43.50" ROOF PANEL LEFT ASSEMBLY <b>4-10-4350-RPLA</b>	1
	4 X 10 X 43.50" ROOF PANEL RIGHT ASSEMBLY <b>4-10-4350-RPRA</b>	1
	WINDOW PANEL <b>07-0013</b>	2
1525 HARDWARE BOX	HARDWARE BOX	1

## STEP 1: ASSEMBLING THE ROOF PANELS

1: FIND THE 2 X 4 X 51.13" ROOF SUPPORT LEFT AND THE 4 X 10 X 43.50" ROOF PANEL LEFT ASSEMBLY. MOUNT THE ROOF PANEL LEFT ON TOP OF THE ROOF SUPPORT LEFT.



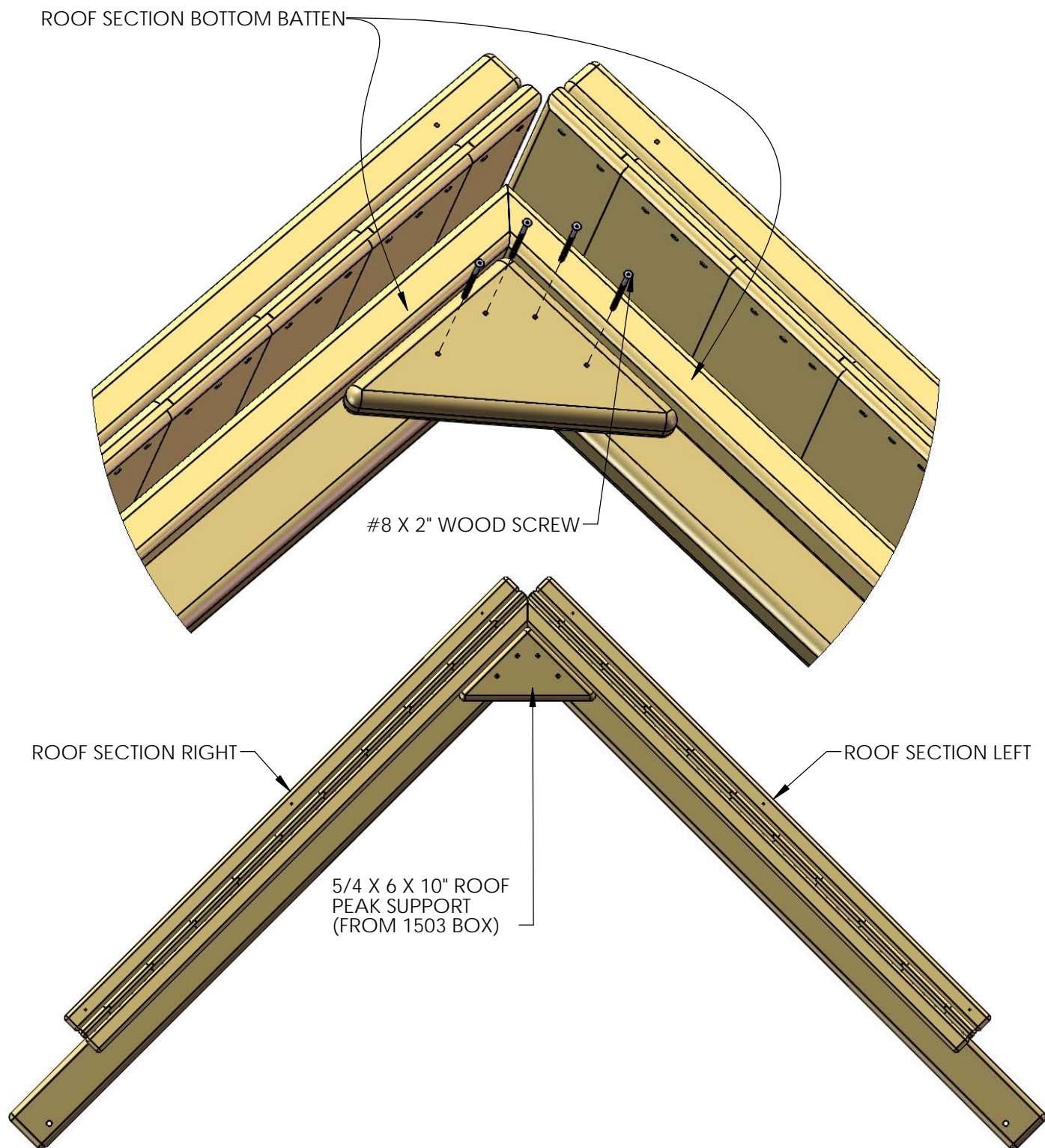
3: ATTACH USING #8 X 1-1/2" WOOD SCREWS THROUGH THE PRE-DRILLED HOLES INTO THE ROOF SUPPORT.



## STEP 2: ROOF PEAK SUPPORT

1: FIND ONE 5/4 X 6 X 10" ROOF PEAK SUPPORT. IF YOUR SET IS NOT BUILT THEN IT WILL BE INSIDE THE 1503 BOX. IF YOUR SET IS BUILT THEN IT WILL BE INSTALLED ALREADY ON THE INSIDE OF THE ROOF SUPPORTS AT THE FRONT OF THE PLAYSET; YOU WILL NEED TO REMOVE IT. LAY THE ROOF SECTION LEFT AND THE ROOF SECTION RIGHT ON A FLAT SURFACE. ALIGN THE ANGLED ENDS FLUSH WITH ONE ANOTHER.

2: PLACE THE ROOF PEAK SUPPORT ON TOP OF THE ROOF SUPPORTS, MAKE SURE THE ROOF PEAK SUPPORT TOP EDGES ARE FLUSH AGAINST THE BOTTOM FACE OF THE ROOF SECTION BOTTOM BATTEN. FASTEN USING FOUR #8 X 2" WOOD SCREWS THROUGH THE PRE DRILLED HOLES INTO THE ROOF SUPPORTS.

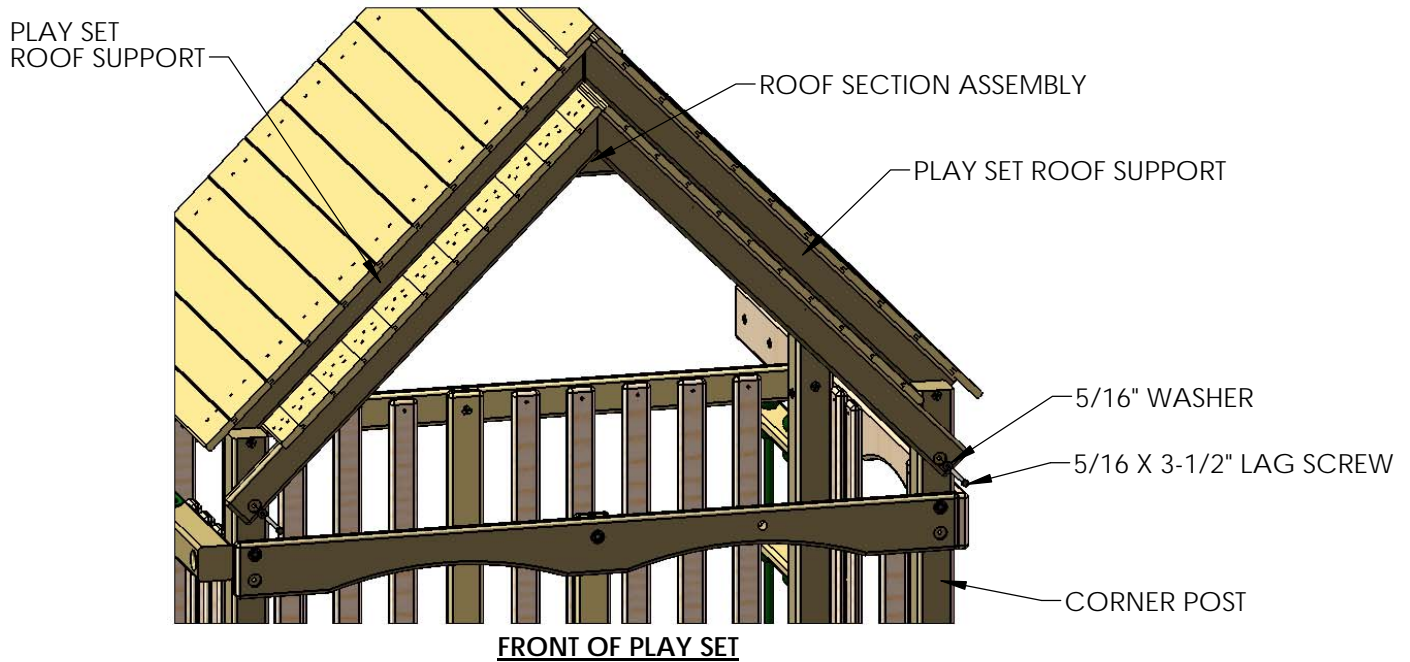




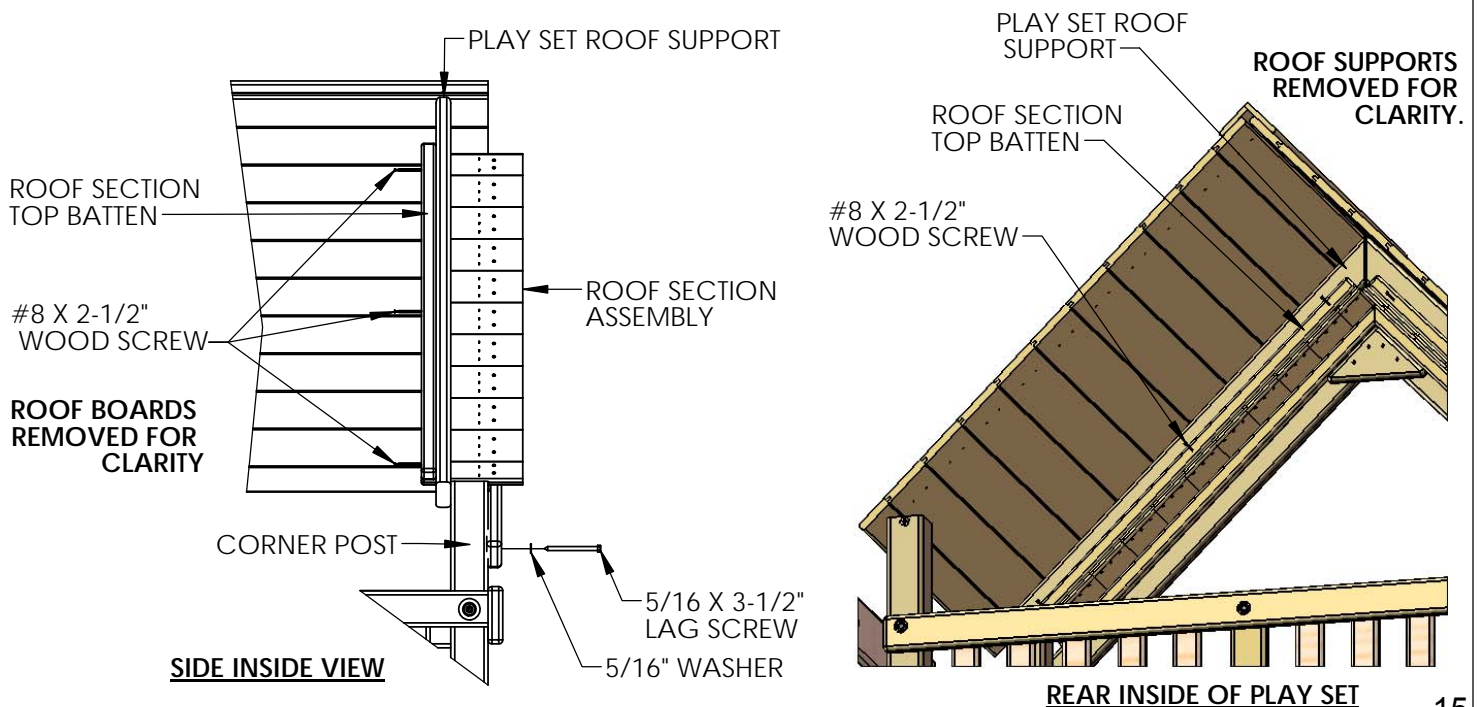
## STEP 3: MOUNTING ROOF SECTIONS TO PLAY SET

1: MOUNT THE ROOF SECTION ASSEMBLY TO THE FRONT OF THE PLAY SET. SLIDE THE ROOF SECTION UNTIL IT IS FLUSH UP AGAINST THE BOTTOM OF THE PLAY SET ROOF SUPPORTS, MAKE SURE THERE ARE NO GAPS IN BETWEEN.

2: SECURE THE ROOF SECTION TO THE CORNER POSTS USING TWO 5/16 X 3-1/2" LAG SCREWS AND 5/16" WASHER THROUGH THE COUNTER SUNK HOLES LOCATED ON THE BOTTOM ENDS OF THE ROOF SECTION ASSEMBLY ROOF SUPPORTS.

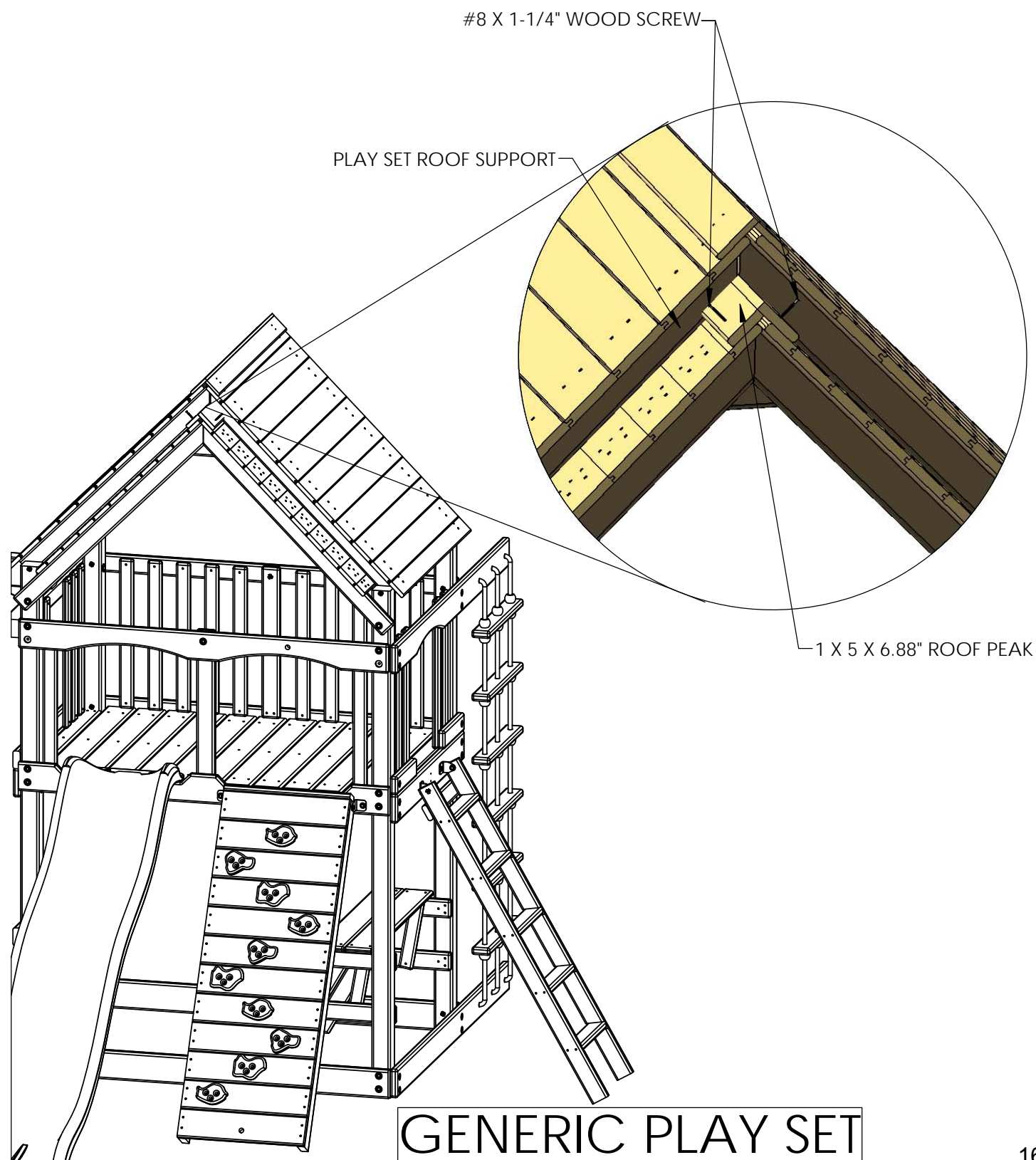


3: FASTEN THE ROOF SECTION TO THE PLAY SET ROOF SUPPORTS USING SIX #8 X 2-1/2" WOOD SCREWS THROUGH THE TOP BATTEN PRE-DRILLED HOLES.



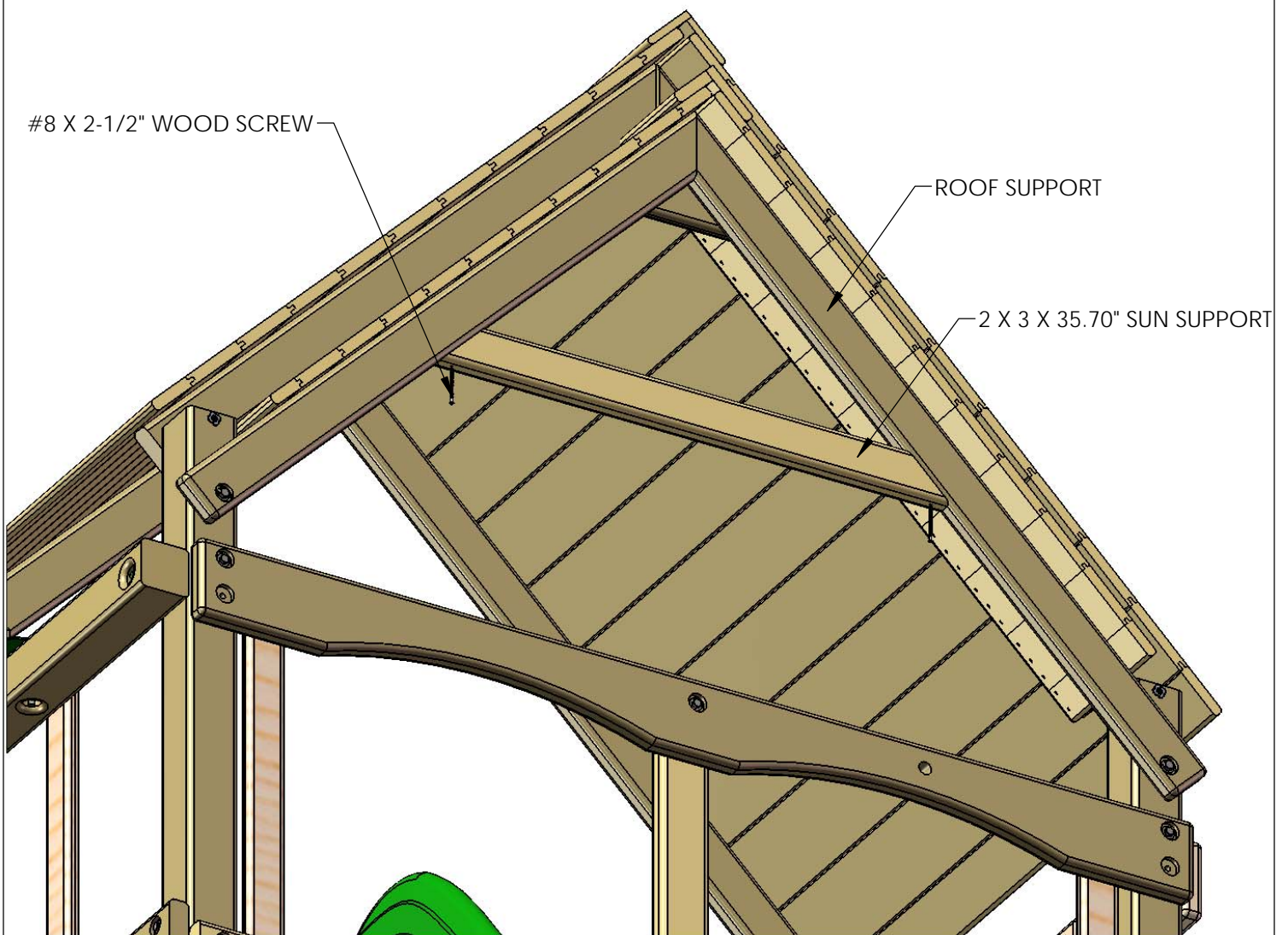
## STEP 4: ROOF PEAK

1: MOUNT THE 1 X 5 X 6.88" ROOF PEAK ON TOP OF THE ROOF SECTION ASSEMBLY, FLUSH WITH THE PLAY SET ROOF SUPPORTS. FASTEN USING TWO #8 X 1-1/4" WOOD SCREWS.



## STEP 5: SUN SUPPORT

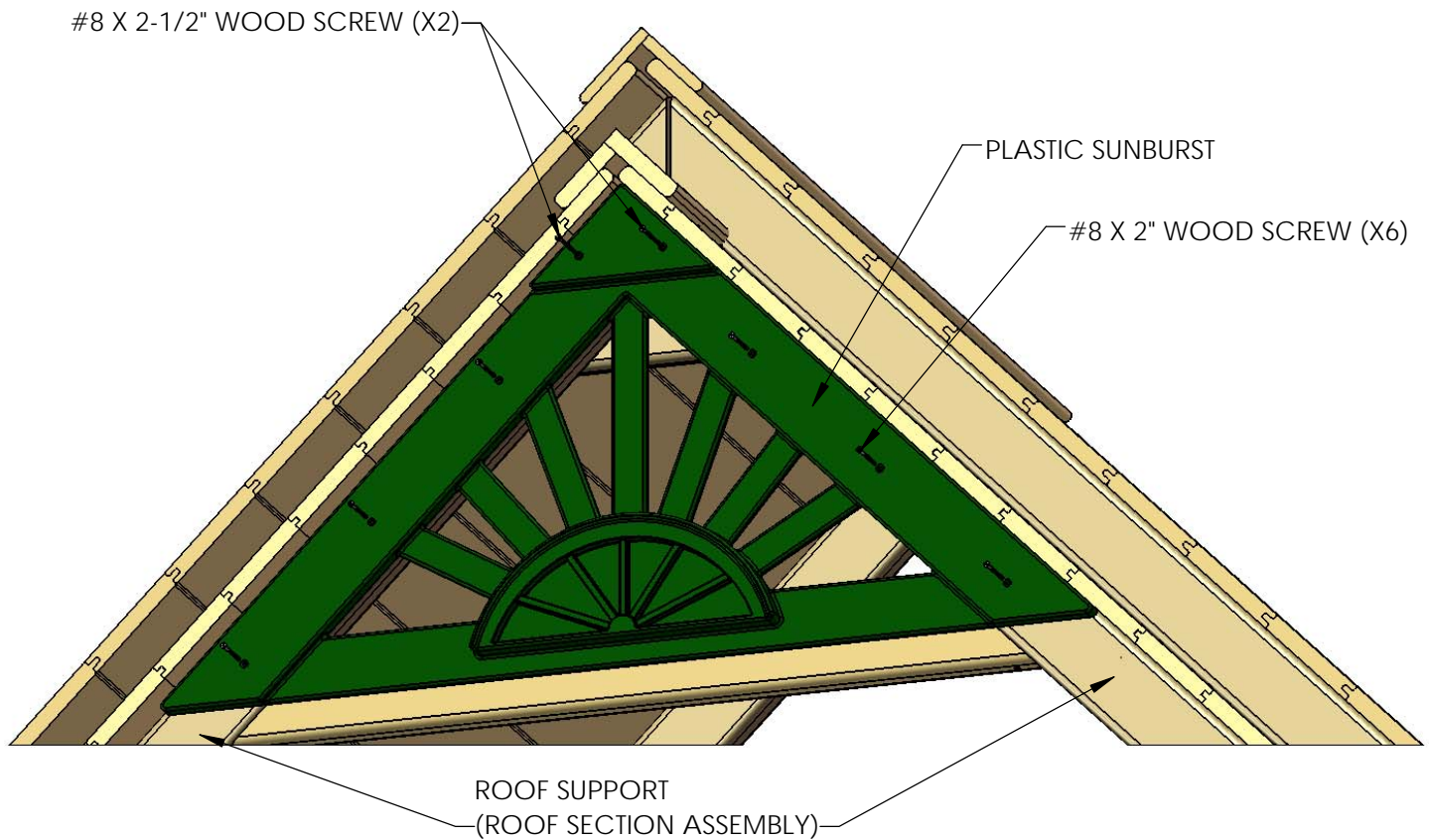
1: PLACE THE 2 X 3 X 35.70" SUN SUPPORT IN BETWEEN THE ROOF SUPPORTS. FASTEN USING #8 X 2-1/2" WOOD SCREWS THROUGH THE PRE-DRILLED HOLES ON EACH END, MAKE SURE THERE ARE NO GAPS IN BETWEEN THE SUN SUPPORT AND THE ROOF SUPPORT.





## STEP 6: PLASTIC SUNBURST

1: MOUNT THE PLASTIC SUNBURST TO THE ROOF SUPPORTS ON THE ROOF SECTION ASSEMBLY, THE PLASTIC SUNBURST MUST BE UP AGAINST THE OVERHANGING ROOF BOARDS. FASTEN THE PLASTIC SUNBURST TO THE ROOF SUPPORTS USING TWO #8 X 2-1/2" WOOD SCREWS ON THE TOP AND SIX #8 X 2" WOOD SCREWS ON THE REMAINING HOLES.



## STEP 7: WALL PANEL BOARDS

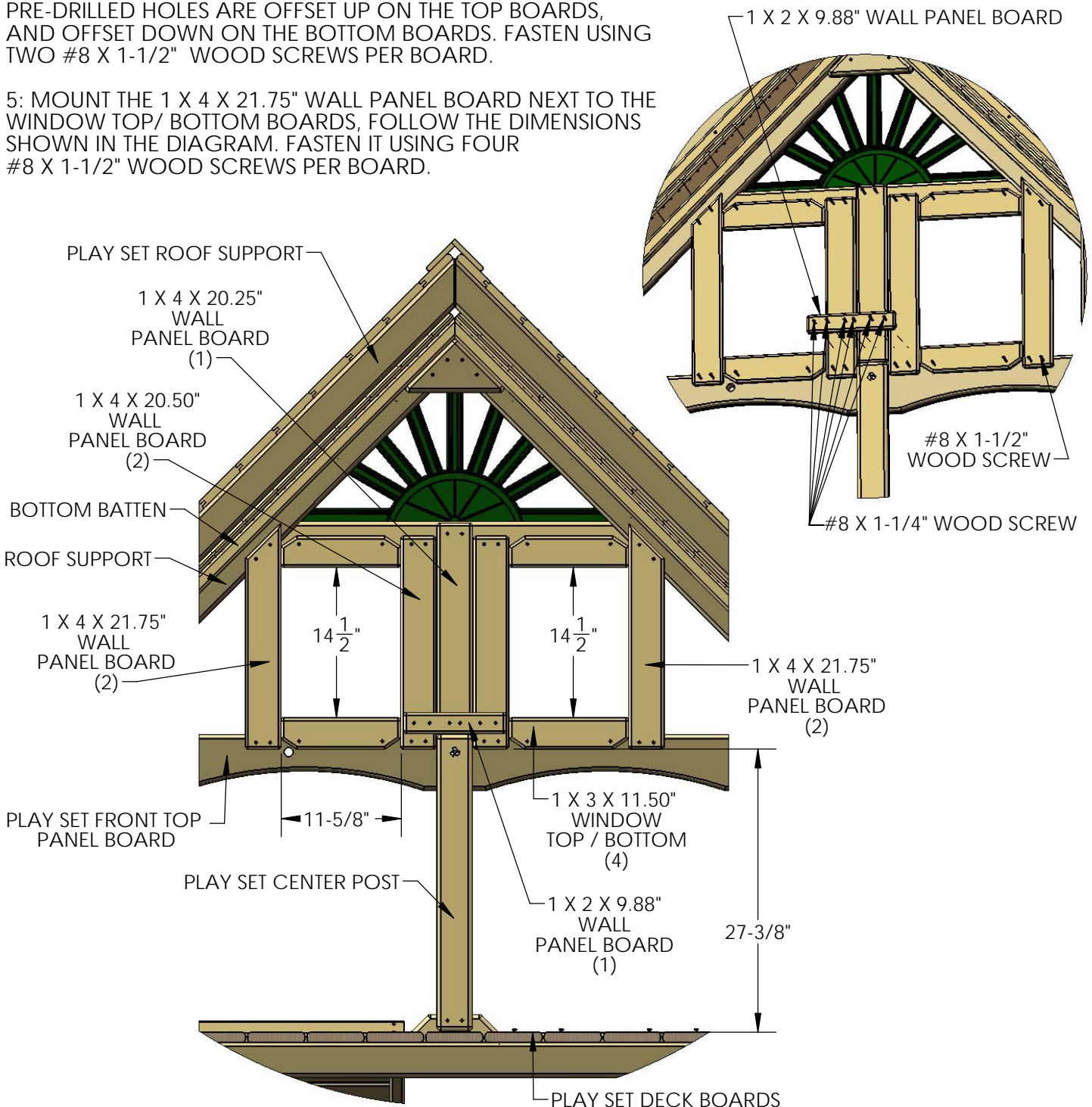
1: MOUNT THE 1 X 4 X 20.25" WALL PANEL BOARD ABOVE THE PLAY SET CENTER POST. THE END WITH TWO PRE-DRILLED HOLES SHOULD BE OFFSET TO THE TOP. MAKE SURE IT IS STRAIGHT VERTICALLY AND FASTEN IT TO THE SUN SUPPORT USING TWO #8 X 1-1/2" WOOD SCREWS.

2: MOUNT ONE 1 X 4 X 20.50" WALL PANEL BOARD ON EACH SIDE OF THE CENTER BOARD PREVIOUSLY INSTALLED. THE BOTTOM END MUST BE 27-3/8" FROM THE TOP OF THE PLAY SET DECK BOARDS. FASTEN IT TO THE SUN SUPPORT AND PLAY SET FRONT TOP PANEL BOARD USING TWO #8 X 1-1/2" WOOD SCREWS ON EACH END PER BOARD.

3: MOUNT THE 1 X 2 X 9.88" WALL PANEL BOARD HORIZONTALLY ABOVE THE PLAY SET CENTER POST CENTERED BETWEEN THE WALL PANEL BOARDS PREVIOUSLY INSTALLED, FASTEN USING SIX #8 X 1-1/4" WOOD SCREWS.

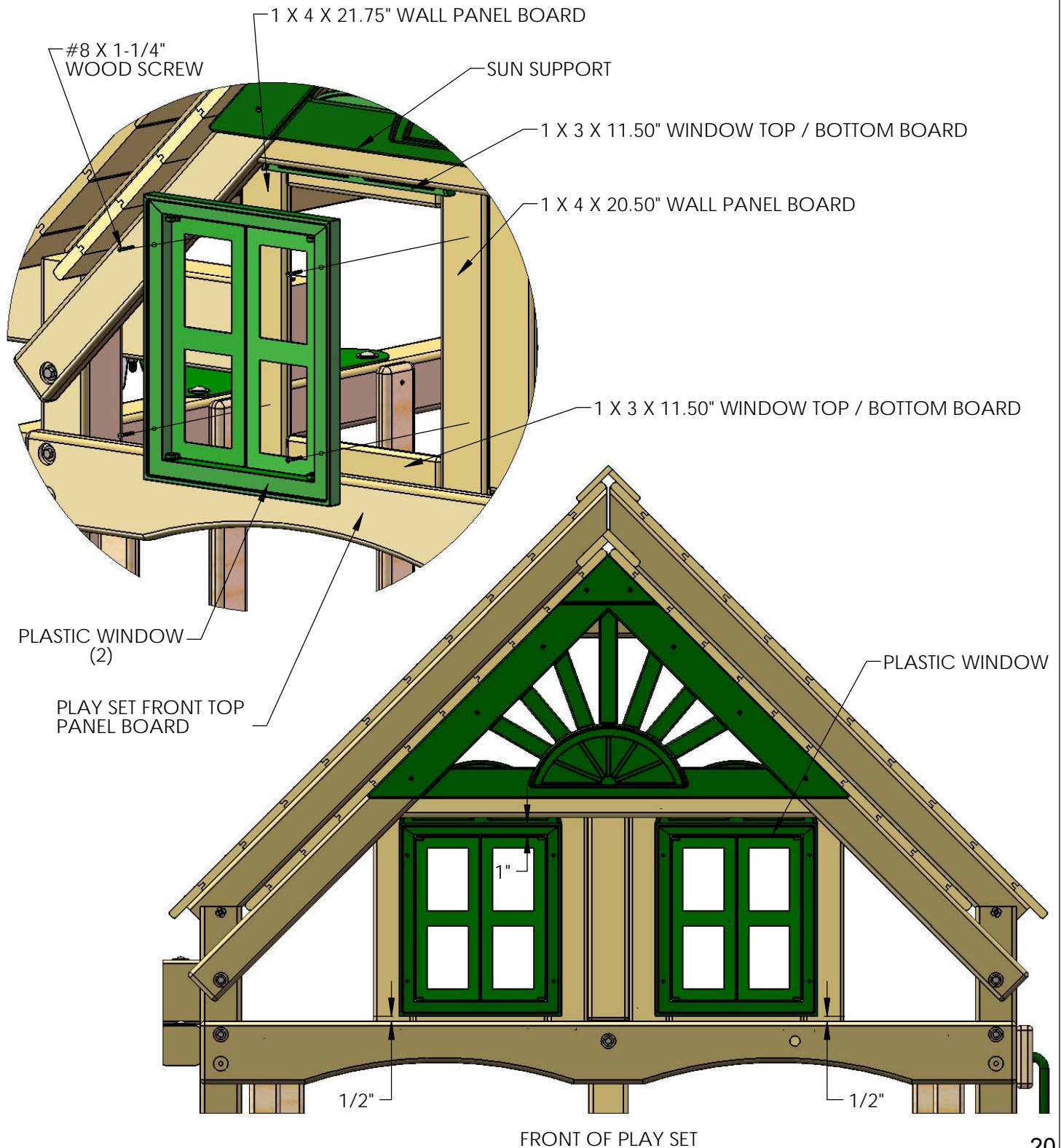
4: MOUNT THE 1 X 3 X 11.50" WINDOW TOP/BOTTOM USING THE DIMENSIONS SHOWN IN THE DIAGRAM. MAKE SURE THE PRE-DRILLED HOLES ARE OFFSET UP ON THE TOP BOARDS, AND OFFSET DOWN ON THE BOTTOM BOARDS. FASTEN USING TWO #8 X 1-1/2" WOOD SCREWS PER BOARD.

5: MOUNT THE 1 X 4 X 21.75" WALL PANEL BOARD NEXT TO THE WINDOW TOP/ BOTTOM BOARDS, FOLLOW THE DIMENSIONS SHOWN IN THE DIAGRAM. FASTEN IT USING FOUR #8 X 1-1/2" WOOD SCREWS PER BOARD.



## STEP 8: PLASTIC WINDOWS

1: PLACE EACH PLASTIC WINDOW INTO THE FRONT OPENINGS, WITH THE 1" WIDE SECTION OF THE WINDOW FRAME AT THE TOP. ATTACH EACH WINDOW WITH FOUR #8 X 1-1/4" WOOD SCREWS.



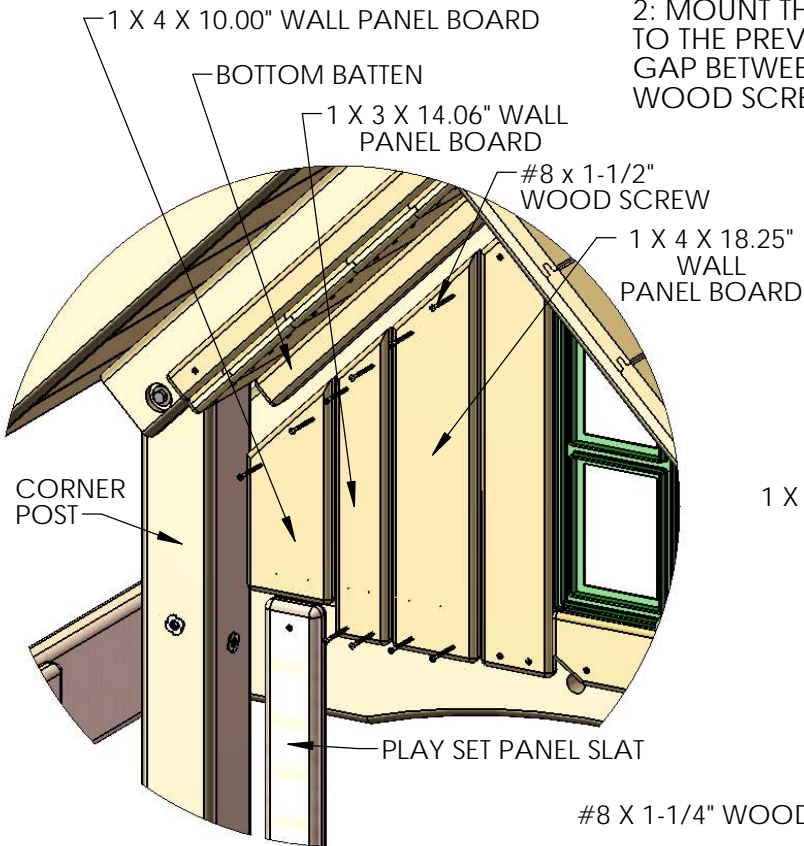


## STEP 9: WALL PANEL BOARDS

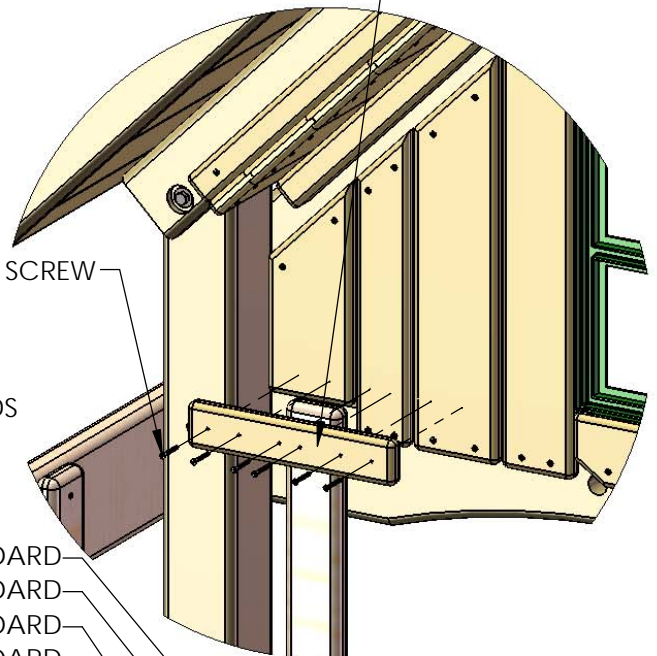
1: MOUNT THE 1 X 4 X 18.25" WALL PANEL BOARD NEXT TO THE PREVIOUSLY INSTALLED PANEL BOARD, LEAVING A 1/4" GAP BETWEEN THEM. FASTEN IT USING FOUR #8 X 1-1/2" WOOD SCREWS.

2: MOUNT THE 1 X 3 X 14.06" WALL PANEL BOARD NEXT TO THE PREVIOUS WALL PANEL BOARD LEAVING A 1/4" GAP BETWEEN THEM. FASTEN IT USING FOUR #8 X 1-1/2" WOOD SCREWS.

3: MOUNT THE 1 X 4 X 10.00" WALL PANEL BOARD NEXT TO THE PREVIOUS WALL PANEL BOARD LEAVING A 1/4" GAP BETWEEN THEM. THE BOTTOM END (WITH NO PRE-DRILLED HOLES) SHOULD BE RESTING ON TOP OF THE PLAY SET PANEL SLAT. FASTEN IT TO THE ROOF SUPPORT USING TWO #8 X 1-1/2" WOOD SCREWS.

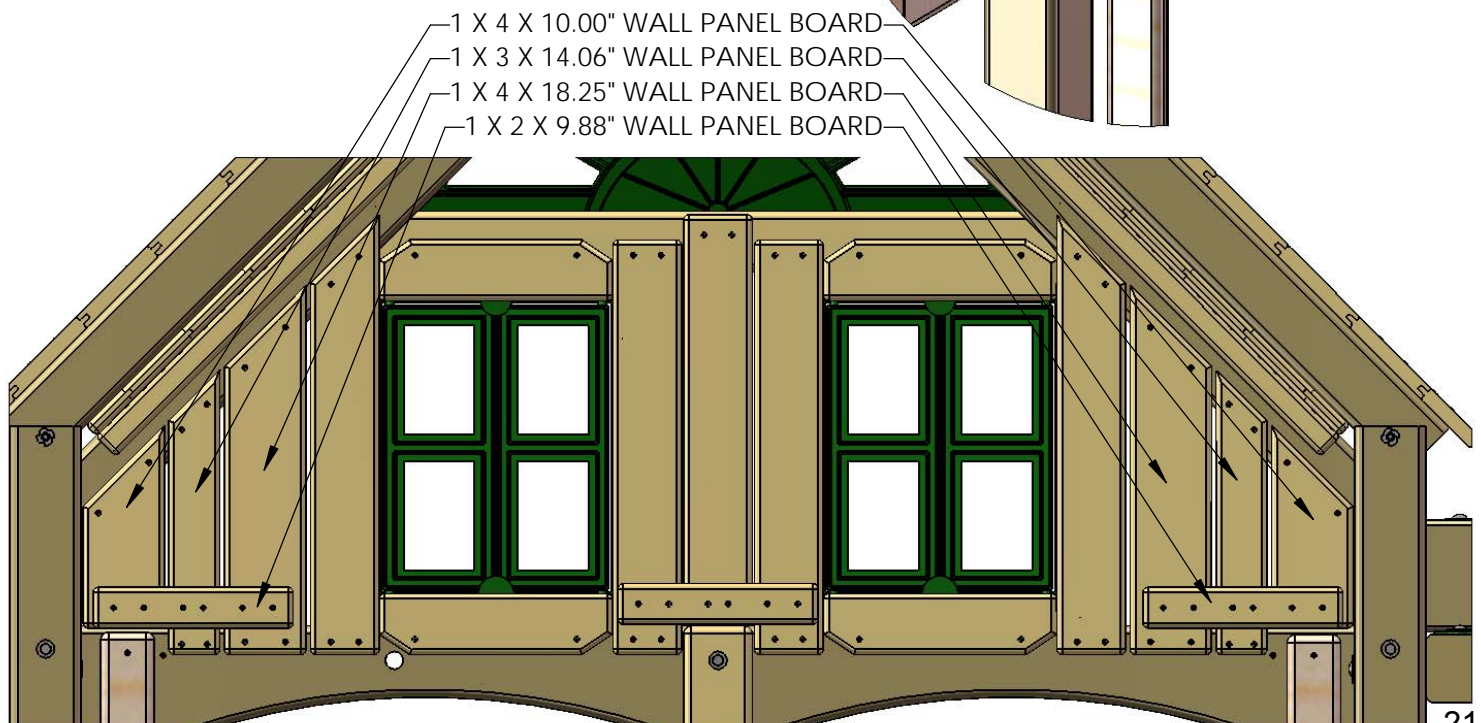


1 X 2 X 9.88" WALL PANEL BOARD



4: MOUNT THE 1 X 2 X 9.88" WALL PANEL BOARD CENTERED ON TOP OF THE PREVIOUS WALL PANEL BOARDS. IT SHOULD BE ABOVE THE PLAY SET PANEL SLAT AS SHOWN IN THE DIAGRAM. MAKE SURE THE HOLES ARE CENTERED ON EACH OF THE BOARDS AND FASTEN IT USING SIX #8 X 1-1/4" WOOD SCREWS.

**REPEAT SUB-STEPS 1 TO 4 FOR THE OTHER SIDE.**

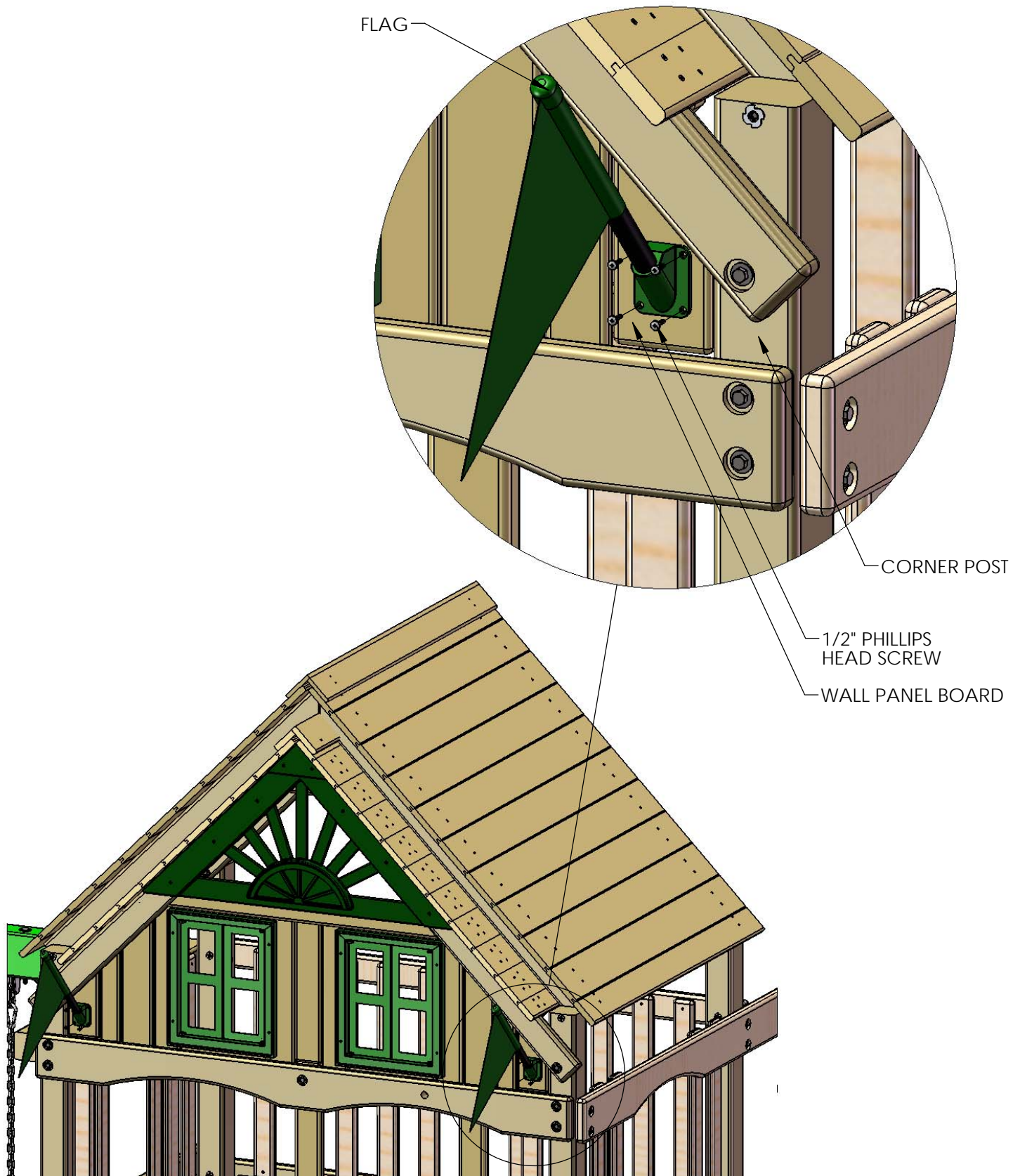


## STEP 10: FLAG KIT

1: PLACE A FLAG CENTERED ON THE WALL PANEL BOARD NEXT TO THE CORNER POST AT THE FRONT OF THE FORT.

2: ATTACH THE BASE OF THE FLAG WITH THE 1/2" PHILLIPS HEAD SCREWS PROVIDED.

**\*\*DO NOT OVER TIGHTEN\*\***



# Telescope Telescopio Télescope

NE 4610, WS 4610

07-0040-G/Y, 07-0040-B/Y

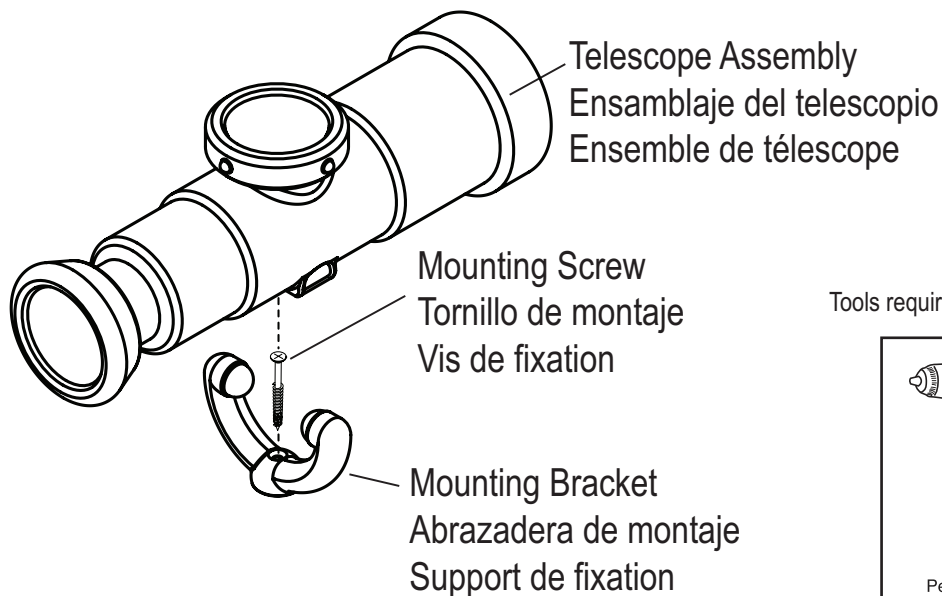


WARNING: Assembly by adult.  
AVERTISSEMENT: L'assemblage doit être exécuté par un adulte.  
ADVERTENCIA: El ensamble lo debe hacer un adulto.

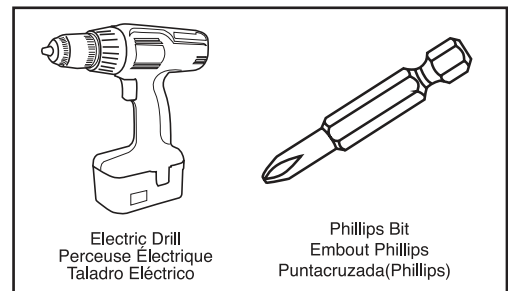
FOR PRIVATE BACKYARD USE ONLY  
DO NOT USE IN PUBLIC SETTINGS!

SOLAMENTE PARA USO EN EL PATIO TRASERO PRIVADO  
¡NO DEBE USARSE EN LUGARES PÚBLICOS!

PRODUIT NON-CONÇU POUR UNE UTILISATION COMMERCIALE  
UTILISEZ UNIQUEMENT EN RÉSIDENCES PRIVÉES!



Tools required | Outils requis | Herramientas requeridas



## TELESCOPE:

1. Position Mounting Bracket in desired location.
2. Attach Mounting Bracket to the unit using the Mounting Screw provided.
3. Insert the Telescope into the Mounting Bracket as shown.

## TÉLÉSCOPE:

1. Placez le support de fixation à l'endroit désiré.
2. Attachez le support de fixation à l'unité à l'aide des quatre vis de fixation fournies.
3. Insérez le télescope dans le support de fixation tel qu'illustré.

## TELESCOPIO:

1. Ubique la abrazadera de montaje en la posición deseada.
2. Fije la abrazadera de montaje a la unidad usando el tornillo de montaje suministrado.
3. Inserte el telescopio en la abrazadera de montaje como se muestra.

Specifications subject to change without notice. Les spécifications peuvent changer sans la notification. Las especificaciones sujetas cambiar sin nota.

Manufactured for / fabriqué pour / fabricado para: Backyard Play Systems • 166 Etowah Industrial Ct., Canton, Georgia • USA • 1-800-882-0272 • playsupport@backyardproducts.com  
Made in China / Fait en China / Hecho en China • Printed in China / Imprimé en China / Impreso en China





# Skyloft Add-On\*

**Model: 1542**

(BOXES: 1542 wood box,  
1542 accessory box)

\*playset sold separately

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**51-3052**

166 Etowah Industrial Court  
Canton, GA 30114

**[www.gorillaplaysets.com](http://www.gorillaplaysets.com)**

REV 3-10-2020

## **!!READ BEFORE BEGINNING PLAYSET ASSEMBLY - EXTREMELY IMPORTANT!!**

There will be deviations to the way your playset is constructed due to the addition of this **1542 Skyloft Add On kit**. If your playset has a **1525 Treehouse Add on Kit** or a **1531 Fort Add On Kit** make sure you read through all of those manuals thoroughly before beginning assembly of the playset. The 1525 manual is usually found in the appendix of the playset manual. The 1531 manual is usually in the slide box of the playset.

Shown on the cover of this manual is the 1542 Skyloft Add On kit with our Standard Wood Roof. Should your playset include a **1525 Treehouse Kit** or **1531 Fort Add On Kit** then you will need to postpone installation of those items until after the **1542 Skyloft Add On Kit** is installed.

Construct the playset in the following way:

- 1) Assemble the playset wood roof up until the point that right side of the roof is installed. DO NOT install roof boards on the left side of the roof. It is okay to install the roof starters on both sides of the roof and the roof peak.
- 2) DO NOT install panel slats on the left side of the playset (swing beam side) where the Skyloft ladder is shown on the cover of this manual. The panel slats for the left side wall of the playset are installed by using this 1542 manual. All other panel slats on the remaining walls will be installed using the main playset manual or the **1531 Fort Add On manual**. Pay special attention to this if you have that **1531** option since you will be “walling off” instead of “slating off” the rear and the right wall of the playset.
- 3) When assembling the swing beam note that mounting the swing beam to the swing beam legs will be different due to the extra Sub Bracket required by the 1542 Skyloft. See Steps 21-23 in this 1542 manual to fasten the swing beam legs to the swing beam and to level the swing beam assembly.

Once the 1542 Skyloft Add On kit has been completely installed go back and review the manuals for the 1525 Treehouse Add on Kit and the 1531 Fort Add on Kit if your playset came with those options. At that point you should be able to install the 1525/1531 kits and go on to complete the playset.



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

**[www.gorillaplaysets.com/support](http://www.gorillaplaysets.com/support)**

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

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

**[www.gorillaplaysets.com/manuals](http://www.gorillaplaysets.com/manuals)**

# GORILLA PLAYSETS WARRANTY – 2020

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Gorilla Playsets® (“Gorilla”) warrants its play sets to be free from defects in workmanship and materials, under normal use and conditions, for 10 years for above ground structural wood components and for one year for all other components (e.g., swings, hardware, plastics, tarps, rope ladder, etc.).

Gorilla warrants all remaining products, including but not limited to its, Malibu Playhouse, Free Standing Swing Set, Free Standing Tire Swing, See-Saw, Children’s Picnic Table with Umbrella, Play-Zee-Bo™, Cedar Toy Chest, Interlocking Sandbox and spring riders to be free from defects in workmanship and materials, under normal use and conditions, for a period of 1 year.

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

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

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

Gorilla will, at its discretion, replace any above ground part within the stated warranty period that is defective in workmanship or materials. This decision is subject to verification of the defect, which, at Gorilla’s discretion, may be accomplished by submitting photographs or by delivery of the defective part to Gorilla Playsets • 166 Etowah Industrial Ct. • Canton, GA 30114 • 1-800-882-0272 Monday to Friday 9AM-5PM EST. Any warranty claim must include proof of purchase, including the date of purchase. **In addition, within the first 30 days from the date of purchase, Gorilla will replace any parts discovered to be missing from or damaged in the original packaging.**

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

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

# IMPORTANT SAFETY GUIDELINES

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

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

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

Parents should teach their children these safety rules in addition to the playset safety rules when playing on the Sky Loft:

- 1) Do not climb over the railings of the Sky Loft onto the playset roof.
- 2) Do not climb over the railings, hang from the railings or sit on the railings.
- 3) Do not climb over the railings onto the swing beam.
- 4) Do not hang/attach: any rope, chain, banner, sign or any other item to Sky Loft.
- 5) Closed toe shoes must always be worn when playing on the Sky Loft.
- 6) No pets are allowed on the Sky Loft.
- 7) No loose items are allowed on the Sky Loft. Loose items could fall from the Sky Loft onto the swing users.
- 8) Do not throw items from the Skyloft.
- 9) No helmets may be used on the Skyloft or on the playset.
- 10) Keep your hands, legs, feet and arms inside the Sky Loft always. Do not reach out beyond the Skyloft walls to attempt to touch a swing user or to catch an object.
- 11) Flags are not removeable, do not attempt to remove the flags.
- 12) Safety Handles should be used when entering/exiting the Sky Loft.
- 13) The maximum number of users of the Sky loft is 2.
- 14) This is not an exclusive list of safety rules, other safety rules are listed in the main manual and accessory manuals for your playset.

## WEIGHT LIMIT FOR SKY LOFT

- SKYLOFT PLATFORM: 125 LBS. TOTAL WEIGHT ON DECK. MAXIMUM # OF USERS = 2.

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

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# PRODUCT REGISTRATION

- SKY LOFT ADD-ON (1542) -

Gorilla Playsets™ manufactures the finest quality products that are designed for outstanding strength and durability. We back our products with unparalleled warranties. In the unlikely event that you need to contact us about covered repairs, we must have a valid Product Registration on file.

3 EASY WAYS TO REGISTER	
OPTION 1	Complete the online registration form at: <b><a href="http://www.gorillaplaysets.com/register">http://www.gorillaplaysets.com/register</a></b>
OPTION 2	Fax this completed form to: <b>(678) 880-3300</b>
OPTION 3	Mail this completed form to: <b>Gorilla Playsets 166 Etowah Industrial Court Canton, GA 30114</b>

## 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 ☐ 18-30 ☐ 41-50

your age ☐ 31-40 ☐ 51+

How old are ☐ 2-3 ☐ 6-7

your children? ☐ 4-5 ☐ 8+

Number of  
children

How would ☐ ★ ★ ★ ★ ★ Excellent  
you rate the ☐ ★ ★ ★ ★ Above Average  
quality of this ☐ ★ ★ ★ Average  
product? ☐ ★ ★ Below Average

☐ ★ Poor

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

May we add you to our mailing list? ☐ Yes ☐ No

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

Comments: \_\_\_\_\_

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## **IMPORTANT – PLEASE READ**

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

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

## **KEEPING YOUR PLAYSET LIKE NEW**

### **MUST DO's**

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

#### **WITHIN 60 DAYS**

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

#### **WITHIN 90 DAYS**

- Apply a **sealant** or **semi-transparent stain with sealant** within the first 90 days of owning the swing set. Our own Stain/sealant is available online here: <http://www.gorillaplaysets.com/Playground-Sealant-p/10-0003.htm>

Oil based stain or water based stain may be used. Should you choose to use other stain we suggest asking the product covering specialists at any number of specialty paint stores or home improvement centers for a product that would work best for your local environment. \*\* TIP – while the set is new, take a small board from the store with you so they can color match the tint of the stain or sealant.

### **SEASONAL REMINDERS**

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

### **OTHER TIPS**

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

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



# **IMPORTANT DOCUMENTS**

## **CUSTOMER MUST READ AND RETAIN**

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

<http://www.gorillaplaysets.com/Swing-Set-Safety-s/85.htm>

<https://www.gorillaplaysets.com/Maintenance-s/129.htm>

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

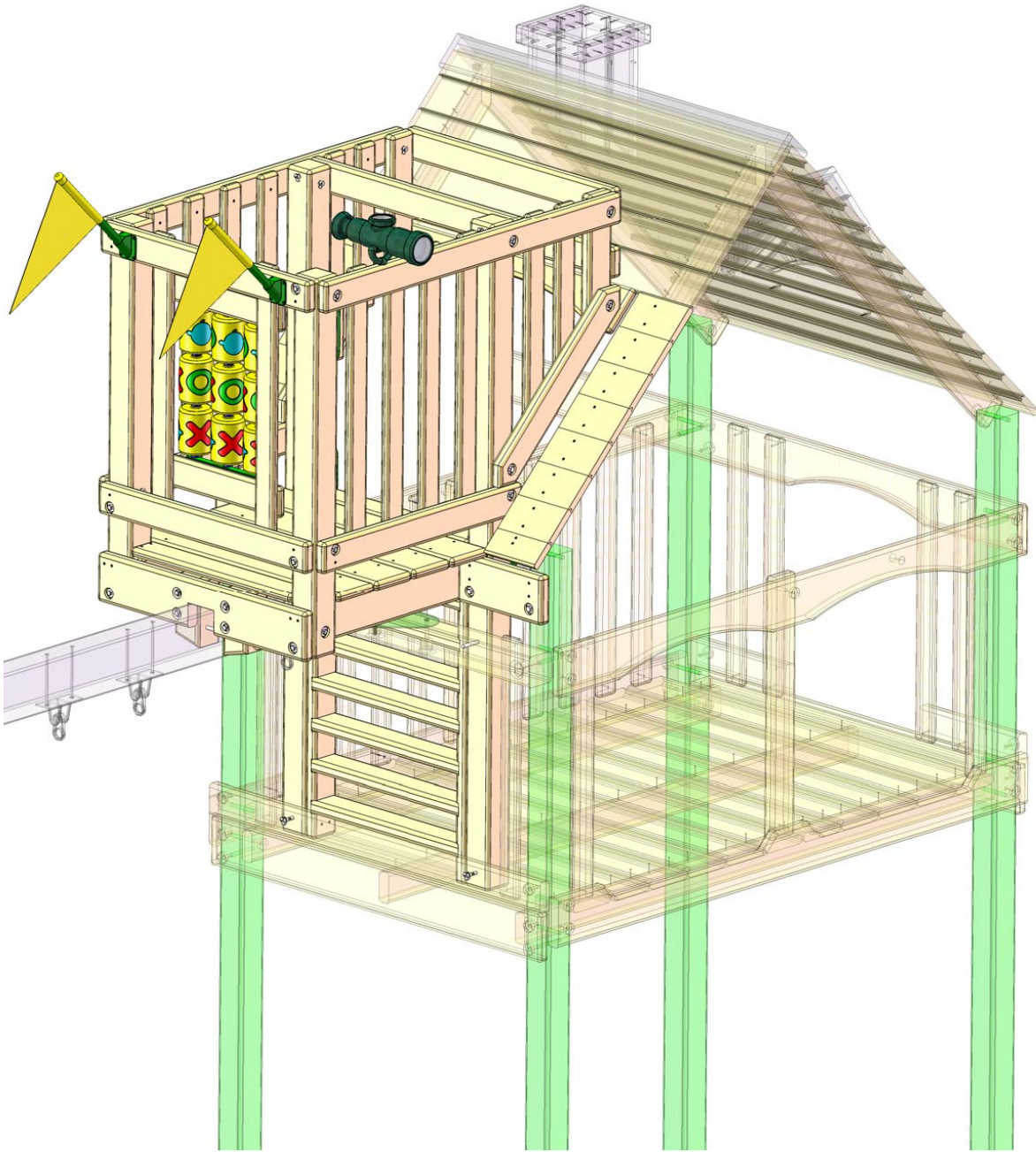
<http://www.gorillaplaysets.com/Warranty-s/82.htm>

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

### **WARNING:**

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

Gorilla Playsets  
190 Etowah Industrial Court  
Canton, GA. 30114



## **Model: 1542**

(BOXES: 1542 wood box,  
1542 accessory box)

REV: 3.10.2019

# TABLE OF CONTENTS

Safety Guidelines.....	Pages 3-6
Leveling Fort, General Information and Definitions.....	Pages 6-9
How to Install T-nuts, Board Identification, Predrill Lag screw Directions and Swing Beam Loading.....	Pages 10-14
Site Plan, Required Tool List and Kit Contents.....	Pages 15-16
Hardware, Lumber and Accessory Checklists.....	Pages 17-23
Deck Frame.....	Step 1
Deck Spacers.....	Step 2
Corner Posts.....	Step 3
Braces.....	Step 4
Attaching Braces to Deck Frame.....	Step 5
Mounting Platform to Swing Beam.....	Step 5A
Support Posts.....	Step 6
Ladder Assembly and Installation.....	Steps 7-8
Securing Sky Loft to Playset Fort.....	Steps 9-9A
Deck Boards.....	Step 10
Panel Supports, Front Panel Assembly and Bottom Panel Board.....	Steps 11-13
Panel Slats and Connector Boards.....	Steps 14-15
Playset and Skyloft Wood Roof.....	Steps 16-17
Tic Tac Toe Assembly and Installation.....	Steps 17A-17B
Accessories.....	Step 18
Panel Slats at Deck.....	Step 19
Grab Handles.....	Step 20
Swing Beam to Swing Leg Assembly and Leveling.....	Steps 21-23

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



# Safety and Maintenance Tips for Your New Play Set:

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

- This 1542 Add On Kit is designed for the use of 2 occupants who have a combined weight not to exceed 125 pounds on the elevated deck.
- On-site adult supervision is required.
- Teach children not to walk close to, in front of, behind, or between moving swings or other moving playground equipment.
- Teach children to sit in and never stand on swings
- Teach children not to twist the chains and ropes and not to loop them over the swing beam, since this may reduce the strength of the chain or rope.
- Teach children not to jump from swings or other playground equipment in motion.
- Teach children not to push empty seats. The seat may hit them and cause serious injury.
- Teach children to sit in the center of the swings with their full weight on the seats.
- Teach children not to use the equipment in a manner other than intended.
- Teach children to always go down slides feet first. Never slide headfirst.
- Teach children to look before they slide to make sure no one is at the bottom.
- Teach children to never run up a slide, as this increases their chances of falling.
- The parents should have the children dress appropriately with well-fitting shoes. No clogs, flip-flops, or sandals are allowed. Loose clothing such as scarves, ponchos or capes should not be worn. Always take off, tie up or tuck in cords and drawstrings on children's clothing. These things can get caught on playground equipment and strangle a child.
- Teach children not to climb when the equipment is wet.
- Teach children to never jump from a fort deck. They should always use the ladder, ramp or slide.
- Teach children to never crawl or walk across the top of monkey bars or swing beam.
- Teach children to never crawl on top of a fort roof or on the outside of a tube slide.
- Verify that any suspended climbing ropes, chains, or cables are secured at both ends and that they cannot be looped back onto itself.
- Teach children not to attach items to the playground equipment that are not specifically designed for use with the equipment, such as, but not limited to, jump ropes, clothesline, pet leashes, cables and chain as they may cause a strangulation hazard.
- Teach children to never wrap their legs around swing chain.
- Teach children to never slide down the swing chain.
- Teach children to remove their bike or other sports helmet before playing on the playground equipment.
- Teach children to NEVER look at the sun or other bright light through any accessory such as but not limited to a telescope, periscope or binoculars.
- Never add extra length to chain or rope. The chains or ropes provided are the maximum length designed for the swings.

**WARNING: Children must NOT use this play set until it has been completely assembled and inspected by an adult to insure it has been properly installed and the swing beam legs are anchored.**

# **Safety and Maintenance Tips for Your New Play Set:**

## **(continued)**

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

- Hardware that is loose, worn or that has protrusions or projections.
- Exposed equipment footings.
- Scattered debris, litter, rocks, or tree roots.
- Splinters, large cracks and decayed wood components.
- Deterioration and corrosion on structural components, which connect to the ground.
- Swing chains, rings, ropes, etcetera should always be fastened to a rotating swing hanger. NEVER attach a chain, ring, rope, etcetera to a stationary hanger such as but not limited to an eye bolt. Severe wear could occur leading to an injury.
- Missing or damaged equipment conditions, such as but not limited to handholds, guardrails or swing seats.

### **At the beginning of each play season:**

- Owners shall be responsible for maintaining the legibility of all warning labels. Replace as required.
- Tighten all hardware. (But not so tight that you crack the wood.)
- Oil all metallic moving parts.
- Check all protective coverings on bolts, pipes, edges and corners. Replace if they are loose, cracked or missing.
- Check all moving parts including swing seats, ropes, cables and chains for wear, rust, or other deterioration. Replace as needed. Replacement should be made of any swing seat that has developed cracks in the plastic seat.
- Check metal parts for rust. If found, sand and repaint using a nonlead-based paint meeting the requirements of 16 C.F.R. 1303. These requirements are available at: <http://www.cpsc.gov/>
- Check all wood members for deterioration and splinters. Sand down splinters and replace deteriorating wood members. Once or twice a year, depending on your climate conditions, you must apply some type of protection (sealant) to the wood or your play set. Please note this is a requirement of your warranty.
- Reinstall any plastic parts, such as swing seats or any other items that were removed for the cold season.
- Rake and check depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary.
- 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.

### **Twice a month during play season:**

- Tighten all hardware. (But not so tight that you crack the wood.)
- Check all protective coverings on bolts, pipes, edges and corners. Replace if they are loose, cracked or missing.
- Rake and check depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary.

### **Once a month during play season:**

- Oil all metallic moving parts.
- Check all moving parts including swing seats, ropes, cables and chains for wear, rust, or other deterioration. Replace as needed. Replacement should be made of any swing seat that has developed cracks in the plastic seat.

### **At the end of each play season or when the temperature drops below 32°F:**

- Remove plastic swing seats and take indoors or do not use.
- Rake and check depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary.

### **Disposal Instructions:**

When the playset is no longer desired or when it reaches the end of its lifetime it should be disassembled and disposed of in such a way that no unreasonable hazard will exist at the time the playset is discarded.

# PLAYGROUND SURFACING MATERIALS

## SECTION 4 OF THE CONSUMER PRODUCT SAFETY COMMISSION'S OUTDOOR HOME PLAYGROUND SAFETY HANDBOOK<sup>9</sup>

### Select Protective Surfacing

One of the most important things you can do to reduce the likelihood of serious head injuries is to install shock-absorbing protective surfacing under and around your play equipment. The protective surfacing should be applied to a depth that is suitable for the equipment height in accordance with ASTM Specification F 1292. There are different types of surfacing to choose from; whichever product you select, follow these guidelines:

**NOTE:** Do not install home playground equipment over concrete, asphalt, or any other hard surface. A fall onto a hard surface can result in serious injury to the equipment user. Grass and dirt are not considered protective surfacing because wear and environmental factors can reduce their shock absorbing effectiveness. Carpeting and thin mats are generally not adequate protective surfacing. Ground level equipment – such as a sandbox, activity wall, playhouse or other equipment that has no elevated play surface – does not need any protective surfacing.

### Loose-Fill Materials:

- ❑ Maintain a minimum depth of 9 inches of loose-fill materials such as wood mulch/chips, engineered wood fiber (EWF), or shredded/recycled rubber mulch for equipment up to 8 feet high; and 9 inches of sand or pea gravel for equipment up to 5 feet high. NOTE: An initial fill level of 12 inches will compress to about a 9-inch depth of surfacing over time. The surfacing will also compact, displace, and settle, and should be periodically refilled to maintain at least a 9-inch depth.
- ❑ Use a minimum of 6 inches of protective surfacing for play equipment less than 4 feet in height. If maintained properly, this should be adequate. (At depths less than 6 inches, the protective material is too easily displaced or compacted.)
- ❑ Use containment, such as digging out around the perimeter and/or lining the perimeter with landscape edging. Don't forget to account for water drainage. U.S. Consumer Product Safety Commission, Washington, D.C., 20207 or call the toll-free hotline :1-800-638-2772
- ❑ Check and maintain the depth of the loose-fill surfacing material. To maintain the right amount of loose-fill materials, mark the correct level on play equipment support posts. That way you can easily see when to replenish and/or redistribute the surfacing.
- ❑ **Do not** install loose fill surfacing over hard surfaces such as concrete or asphalt.

### Poured-In-Place Surfaces or Pre-Manufactured Rubber Tiles:

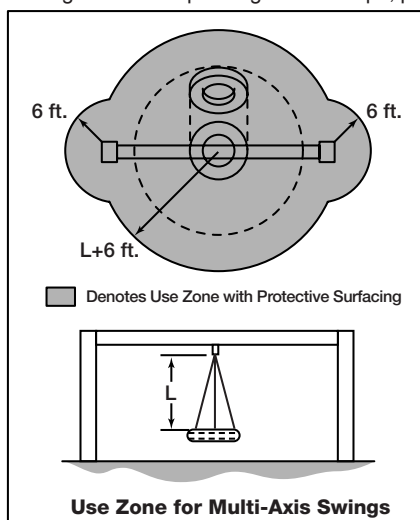
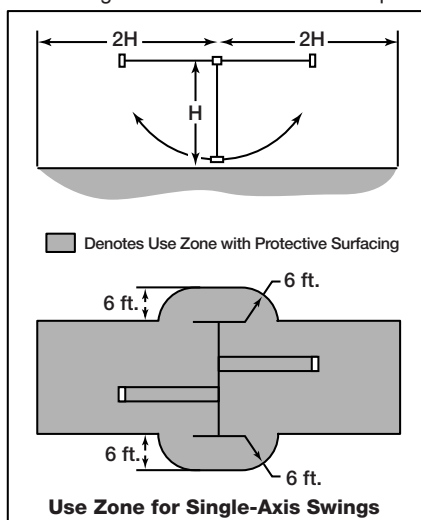
You may be interested in using surfacing other than loose-fill materials – like rubber tiles or poured-in-place surfaces.

- ❑ Installations of these surfaces generally require a professional and are not "do-it-yourself" projects.
- ❑ Review surface specifications before purchasing this type of surfacing. Ask the installer/manufacturer for a report showing that the product has been tested to the following safety standard: ASTM F 1292 Standard Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment. This report should show the specific height for which the surface is intended to protect against serious head injury. This height should be equal to or greater than the fall height – vertical distance between a designated play surface (elevated surface for standing, sitting, or climbing) and the protective surfacing below – of your play equipment.
- ❑ Check the protective surfacing frequently for wear.

### Placement

Proper placement and maintenance of protective surfacing is essential. Be sure to

- ❑ Extend surfacing at least 6 feet from the equipment in all directions.
- ❑ For to-fro swings, extend protective surfacing in front of and behind the swing to a distance equal to twice the height of the top bar from which the swing is suspended.
- ❑ For tire swings, extend surfacing in a circle whose radius is equal to the height of the suspending chain or rope, plus 6 feet in all directions.



<sup>9</sup> This information has been extracted from the CPSC publications "Playground Surfacing—Technical Information Guide" and "Handbook for Public Playground Safety." Copies of these reports can be obtained by sending a postcard to the: Office of Public Affairs, U.S. Consumer Product Safety Commission, Washington, D.C., 20207 or call the toll-free hotline: 1-800-638-2772

# Play Set Surfacing Recommendations:

Below are some of the recommendations that the U.S. Consumer Product Safety Commission (CPSC) offers from its Handbook for Public Playground Safety. The guide can be downloaded in full at [www.cpsc.gov/PageFiles/122149/325.pdf](http://www.cpsc.gov/PageFiles/122149/325.pdf)

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

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

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

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

## Fall Heights and Materials

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

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

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

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

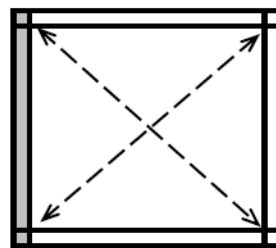
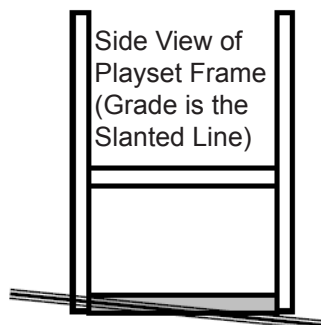
Swings should have a fall zone extending a minimum of 6' from the outer edge of the support structure on each side. The fall zone in front and back of the swing should extend out a minimum distance of twice the height of the swing as measured from the ground to the top of the swing support structure.

## LEVELING YOUR FORT DURING ASSEMBLY

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

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

*Example Play area:*



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

■ = Area to be scored and channeled for levelness

# General Info to Review Before Installation

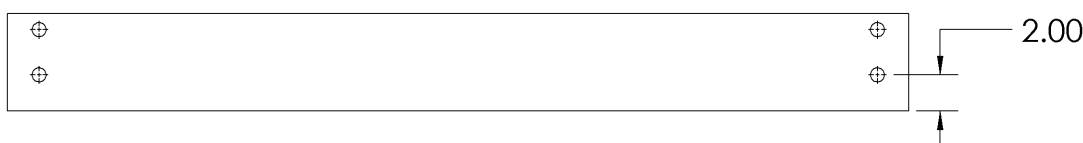
- Depending on your experience, assembly of the playset can take as little as 6 hours up to 24 hours, depending on size, after inventory of parts; therefore, we recommend you set aside a full two days for assembly.
- Identify all of the parts for your play set. Empty each box and lay out boards so you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



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

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

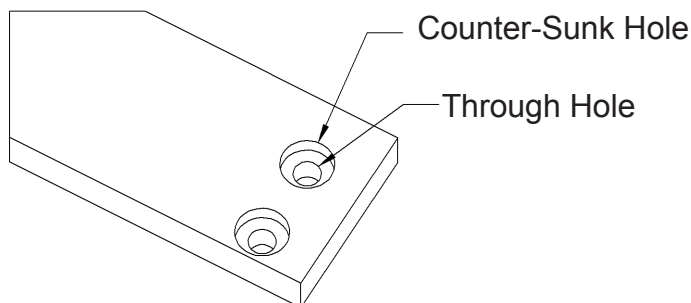
#### **EXAMPLE OF OFFSET HOLES UP**



#### **EXAMPLE OF OFFSET HOLES DOWN**



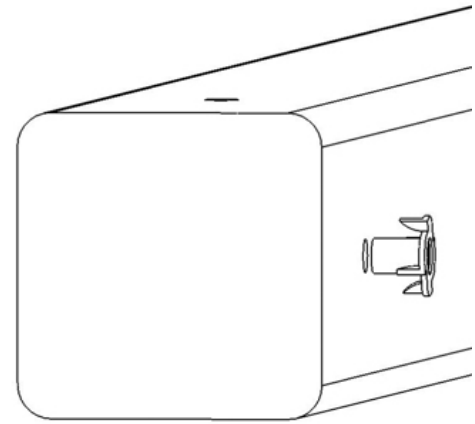
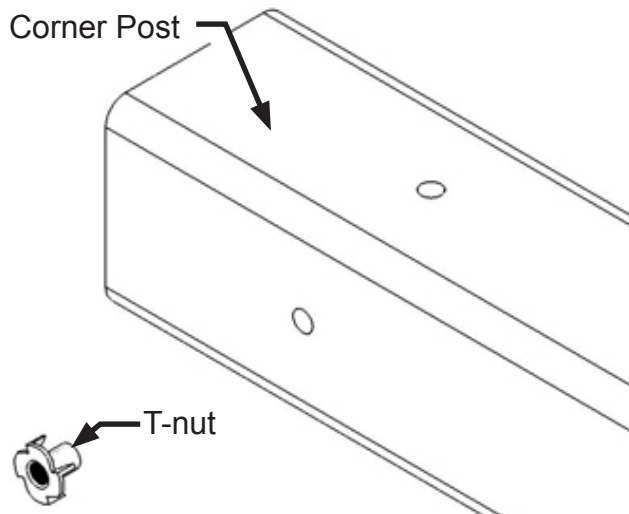
**Counter-sunk holes** - Many of the parts that will be used have counter-sunk holes. A counter-sunk hole is one that surrounds one side of a through hole, but does not extend through the wood it's self. When using a counter-sunk hole the bolt will be inserted through the through hole and either the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



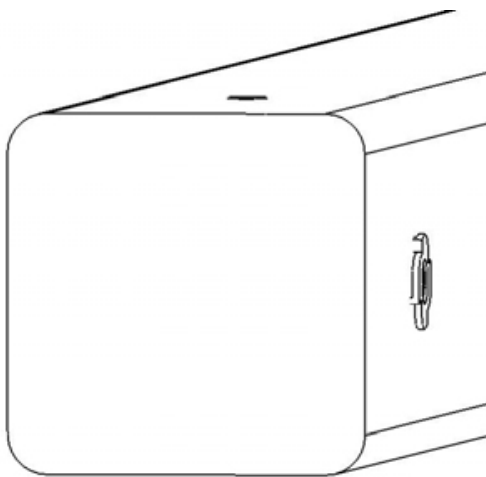
**Lag Screws-** Lag screws are used in the construction of our play sets to enhance the structural integrity of the unit. There will not be predrilled holes in the post for lag screw installation. Lag screws are self-tapping, though if you are using a manual socket wrench it may be advantageous to pre-drill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

## Common Installation Practice Installing T-nuts

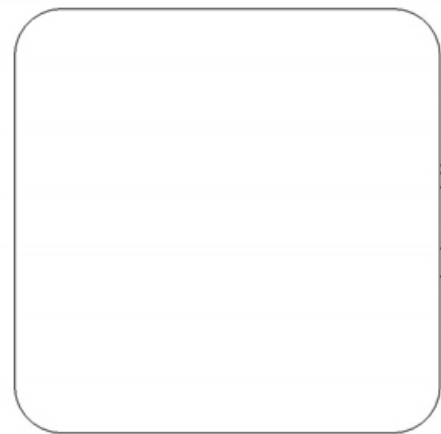
When installing T-nuts into the wood, use a smooth faced hammer to set the face of the T-nut flush into the wood.



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

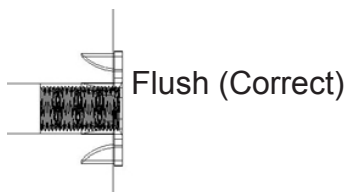


This picture shows the T-nut inserted and installed flush to the wood.



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

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



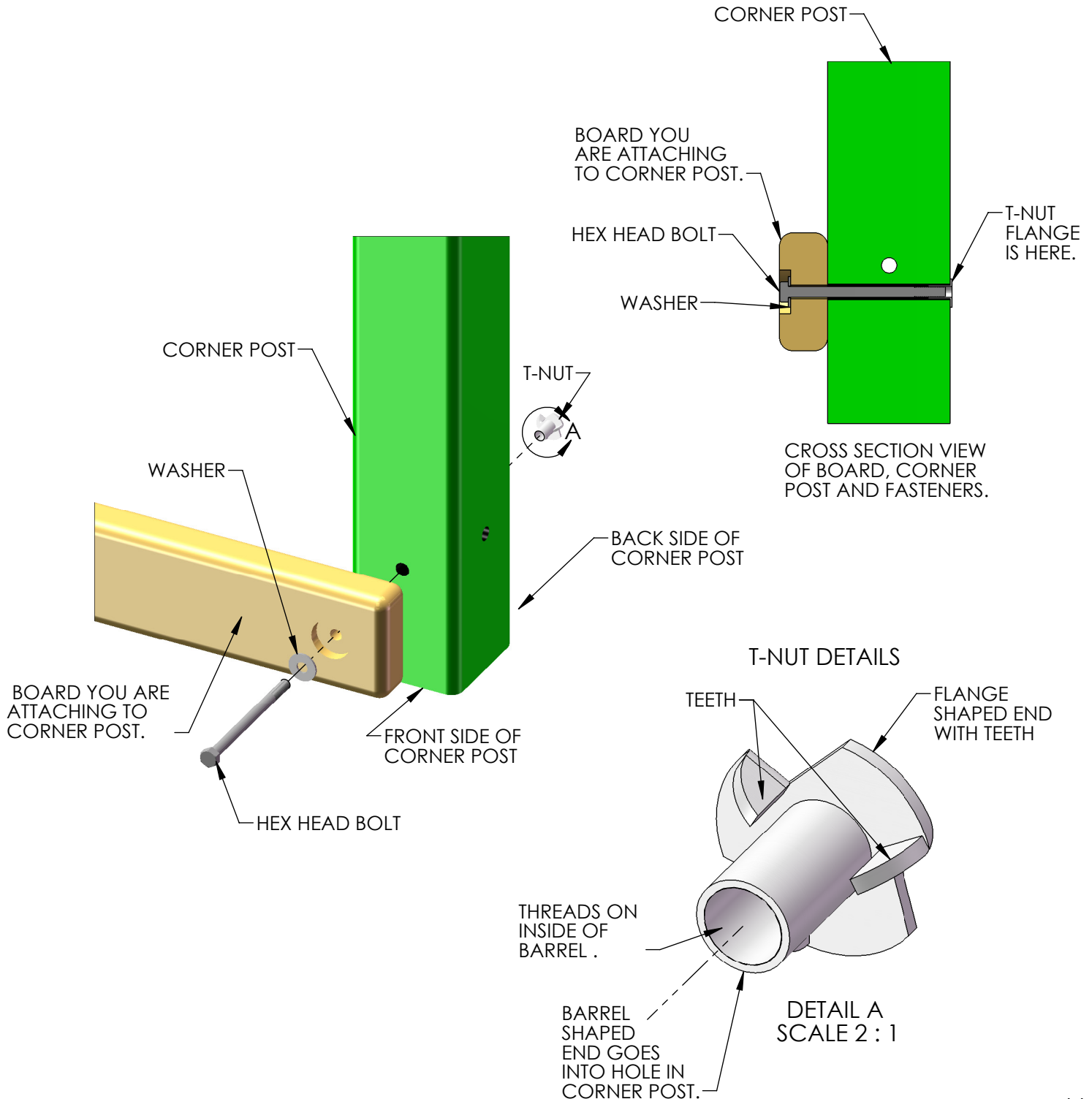
Cross Section end view, you are looking at an X-ray view of the post and T-nut. The barrel of the T-nut is in the corner post the line is the face of the wood.

# HOW A T-NUT WORKS

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

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

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

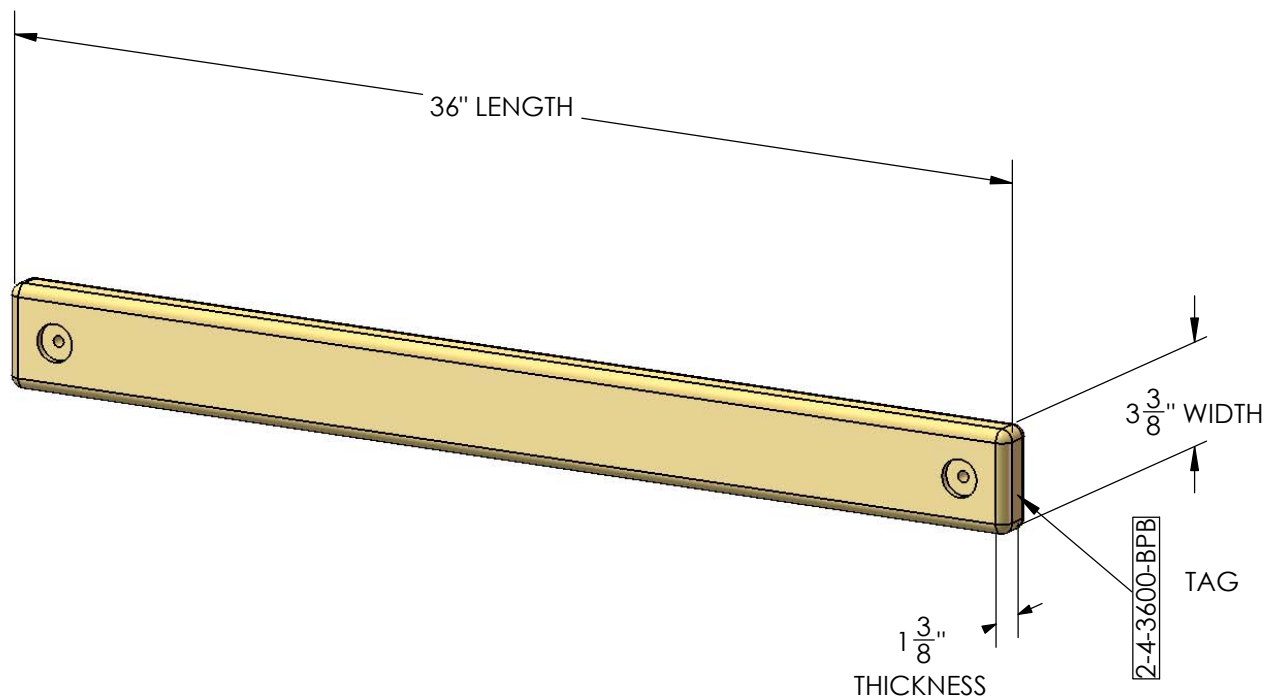


# BOARD IDENTIFICATION

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

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

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



# PRE-DRILL LAG SCREW DIRECTIONS

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

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

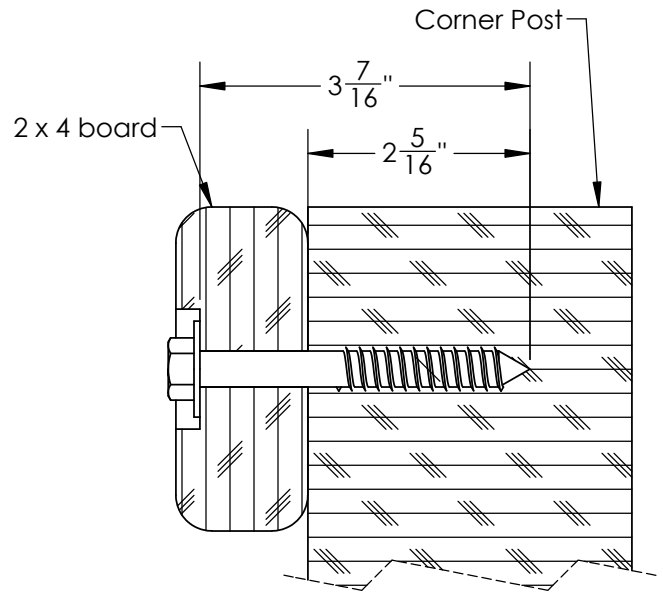
LAG SCREW DIAMETER	DRILL BIT SIZE
5/16" DIAMETER	9/64"
3/8" DIAMETER	11/64"

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

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

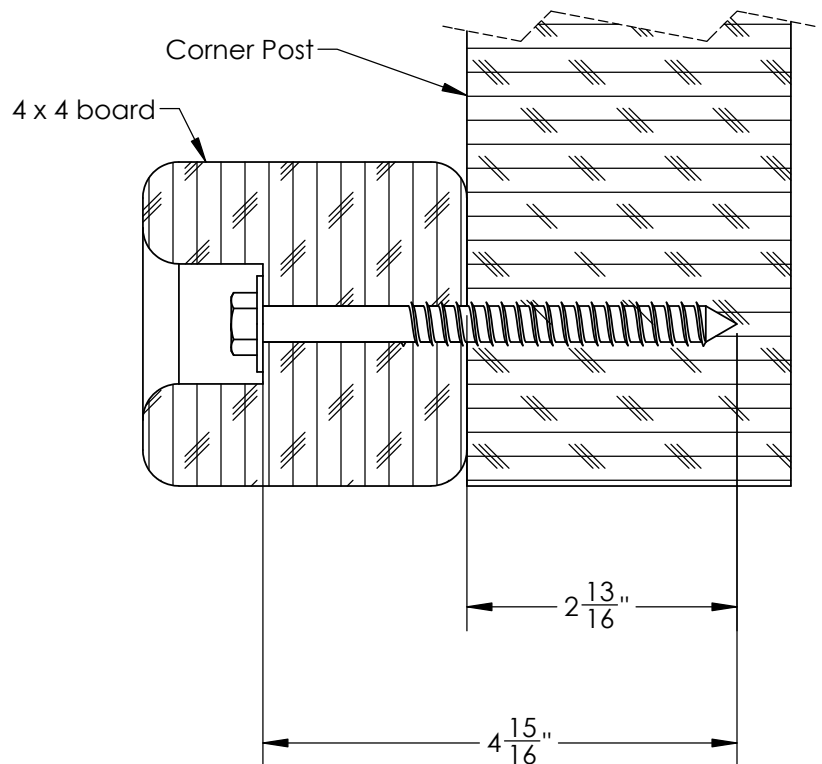
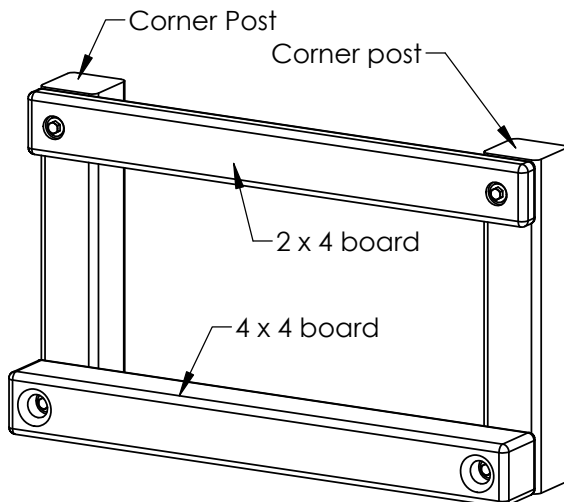
## Example 5/16" diameter x 3-1/2" lag screw

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



## Example 3/8" diameter x 5" lag screw

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



# SWING BEAM LOADING

## Weight Limits for Accessories:

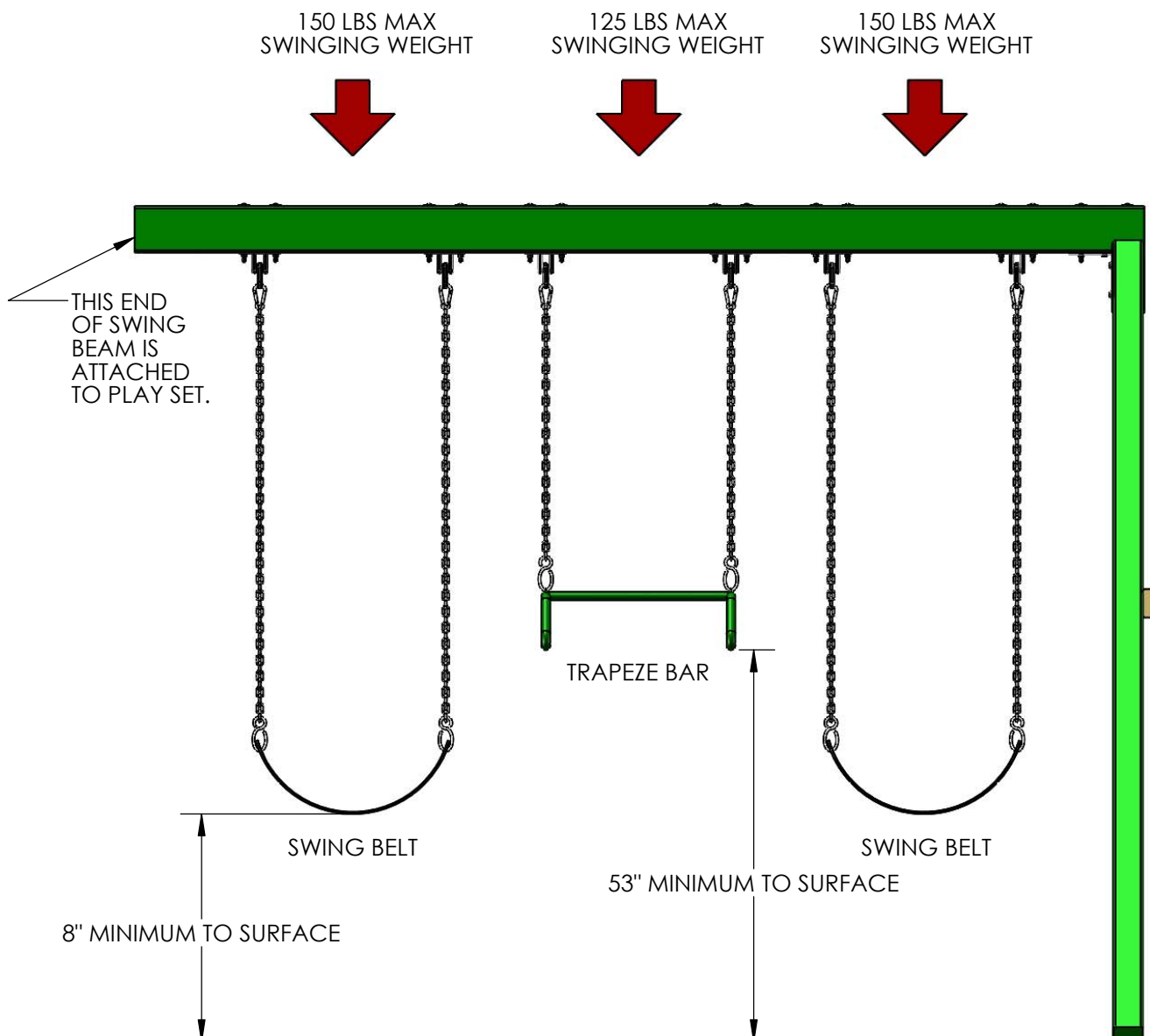
The weight limit for a Swing Belt is 225 lbs. (Although 150lbs is the maximum recommended swinging weight capacity for the swing position.)

The weight limit for a Trapeze Bar is 125 lbs.

## Maximum Allowable swinging weight for a three position swing:

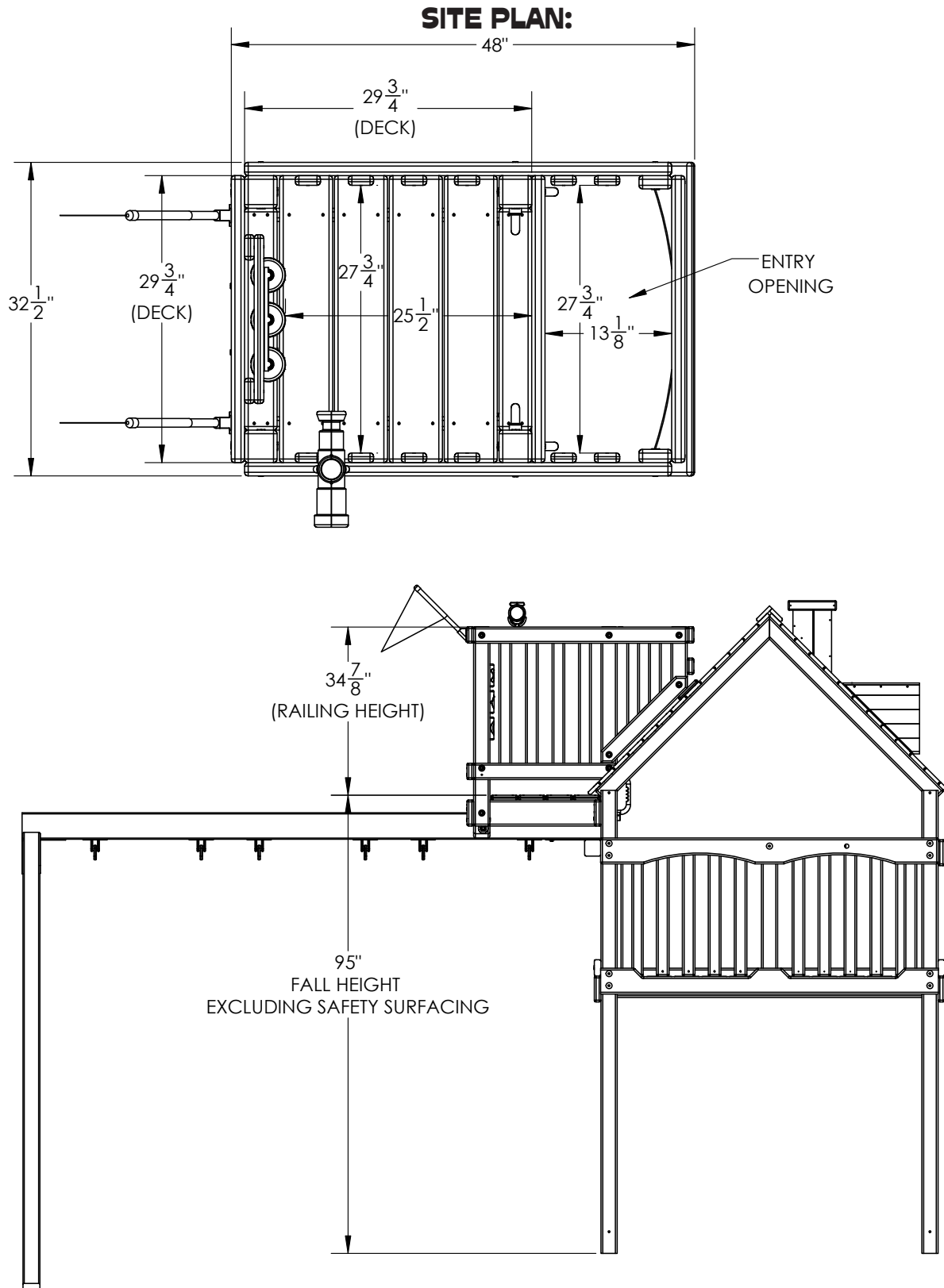
- 1) The maximum allowable swinging weight at each Swing Belt position is 150 lbs.
- 2) The maximum allowable swinging weight at the Trapeze position is 125 lbs.
- 3) The MAXIMUM SWING BEAM LOAD IS 425 lbs.

**MAXIMUM SWING BEAM LOAD IS 425 LBS.**





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



Approximate assembly time: 2 - 4 hours

**(6) foot unobstructed safety perimeter around playset recommended**

**REQUIRED TOOL LIST:**

- \_\_\_ Standard or Cordless Drill w/ Phillips Bit (#2 square bit provided)
- \_\_\_ Drill Bits 1/8", 3/8", 9/64", 11/64" bits.
- \_\_\_ 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)

**KIT CONTENTS:****Swings, Slides, Accessories:**

- \_\_\_ (Qty ) Description
- \_\_\_ (1) Tic Tac Toe
- \_\_\_ (1) Telescope
- \_\_\_ (2) Flags
- \_\_\_ (4) Safety Handles
- \_\_\_ (1) Sub Bracket

**Sky Loft Hardware:**

*see following pages*

**Wood Components:**

*see following pages*



#2 SQUARE  
DRIVE BIT  
QTY: 1

#8 X 1-1/2"  
WOOD SCREW  
QTY: 40



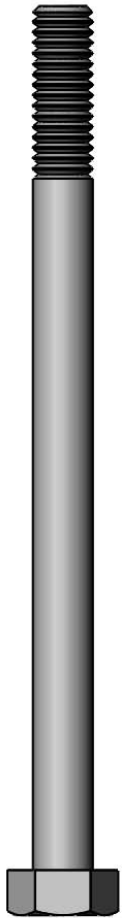
#8 x 1-3/4"  
WOOD SCREW  
QTY: 8



#8 X 2"  
WOOD SCREW  
QTY: 90



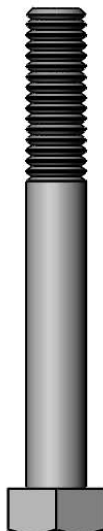
#8 X 2-1/2"  
WOOD SCREW  
QTY: 60



5/16 X 4-1/2"  
HEX BOLT  
QTY: 24



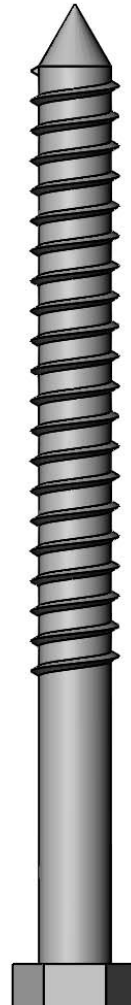
5/16 X 3-3/4"  
HEX BOLT  
QTY: 2



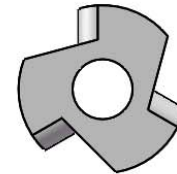
5/16" x 2-1/2"  
HEX BOLT  
QTY: 4



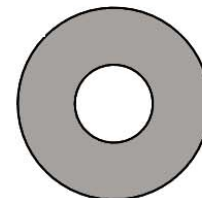
5/16" x 3"  
LAG SCREW  
QTY: 6



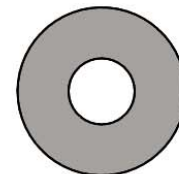
3/8" x 5"  
LAG SCREW  
QTY: 4



5/16" TEE NUT  
QTY: 32



3/8" WASHER  
QTY: 4



5/16" WASHER  
QTY: 44

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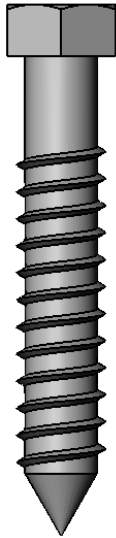
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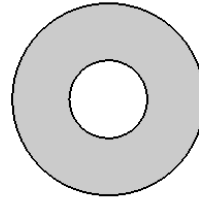
USE THE RULER TO THE RIGHT TO MEASURE YOUR BOLTS AND SCREWS. PICTURE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH BOLT AND SCREW SIZES.

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3/8" X 2-1/2"  
LAG SCREW  
QTY: 4

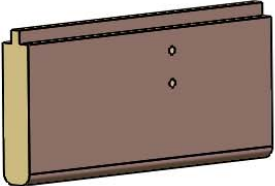
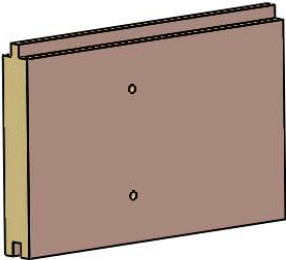
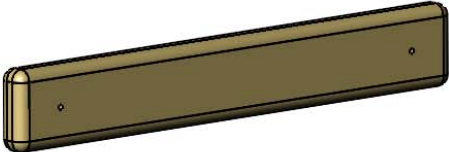
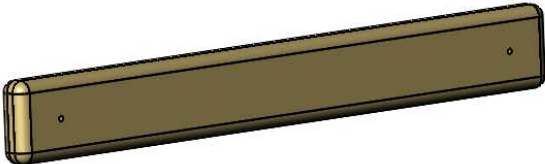
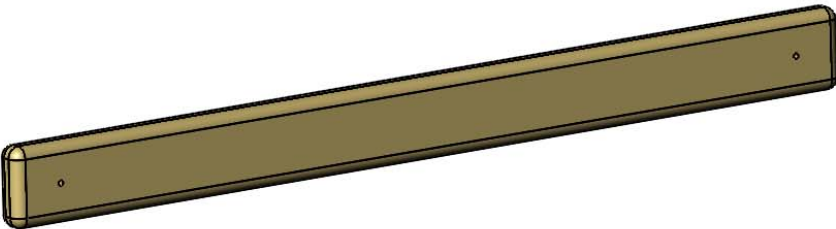
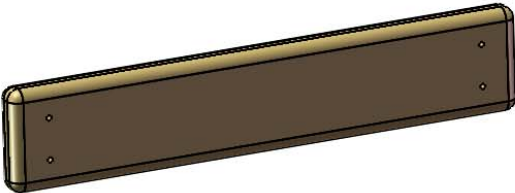
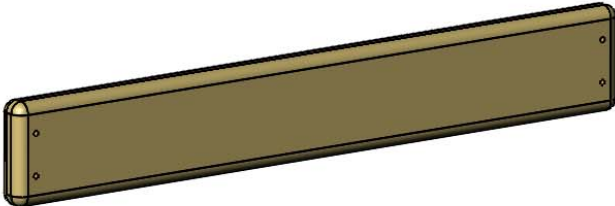


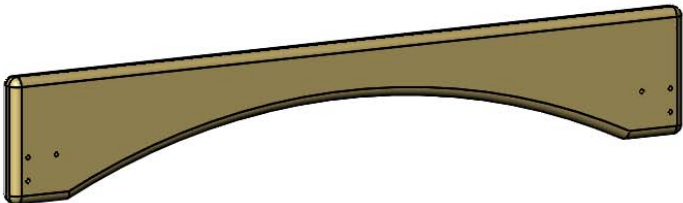
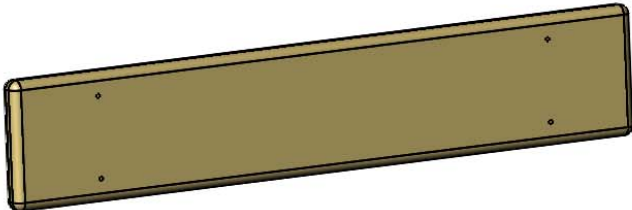
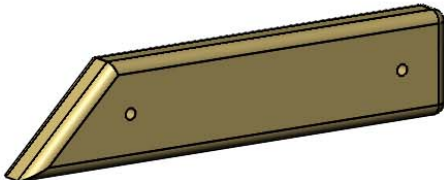
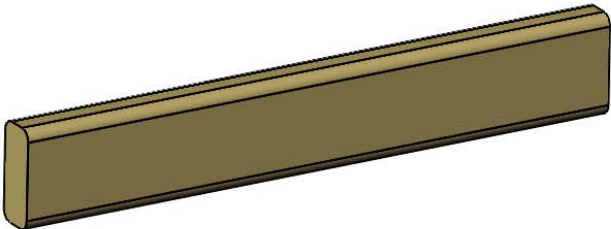
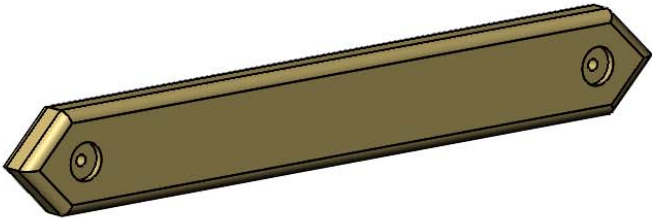
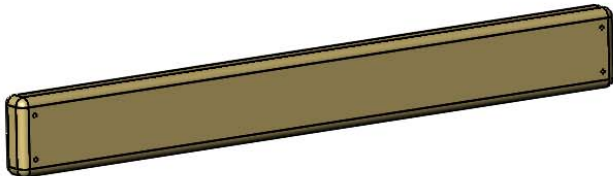
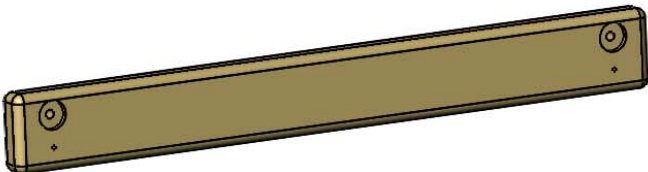
3/8" WASHER  
QTY: 4



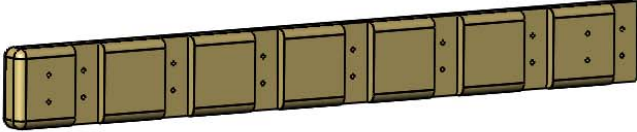
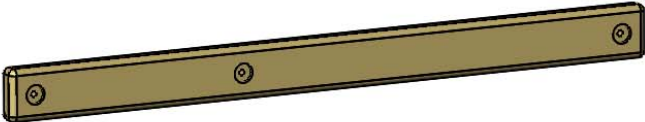
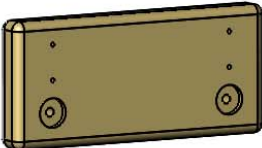
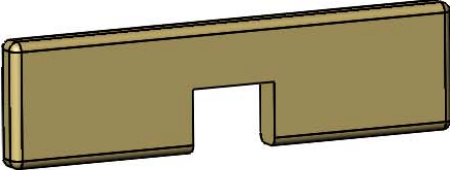
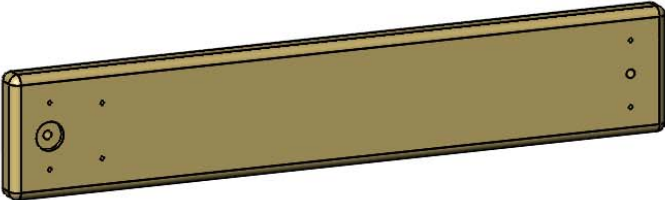
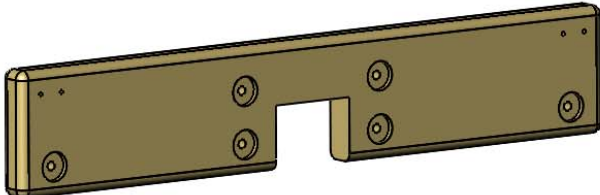
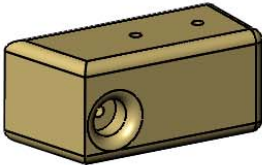
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USE THE RULER TO THE RIGHT TO MEASURE YOUR BOLTS AND SCREWS. PICTURE VIEWS SHOWN ABOVE ARE 1:1 SCALE AND CAN BE USED TO MATCH BOLT AND SCREW SIZES.



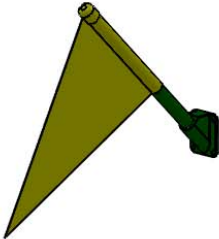


1542	PICTURE	DESCRIPTION	QTY.
		1 X 4 X 7-3/16" TONGUE-ONLY ROOF FINISHER <b>1542A</b>	2
		1 X 5 X 7-3/16" TONGUE-AND- GROOVE ROOF BOARD <b>1542B</b>	14
		5/4 X 3 X 18" PANEL SLAT-1 <b>1542C</b>	2
		5/4 X 3 X 22-3/4" PANEL SLAT-2 <b>1542D</b>	2
		5/4 X 3 X 31-1/8" PANEL SLAT-3 <b>1542E</b>	10
		5/4 X 4 X 17-1/2" TIC-TAC-TOE MOUNT <b>1542F</b>	2
		5/4 X 4 X 23" DECK SPACER <b>1542G</b>	2

1542	PICTURE	DESCRIPTION	QTY.
		5/4 X 6 X 32-1/2" ENTRY BOARD <b>1542H</b>	1
		5/4 X 6 X 29-3/4" DECK BOARD <b>1542I</b>	4
		2 X 4 X 16" END POST <b>1542J</b>	2
		2 X 4 X 21-1/4" LADDER STEP <b>1542K</b>	7
		2 X 4 X 25.28" END BOTTOM PANEL BOARD <b>1542L</b>	2
		2 X 4 X 29-3/4" END TOP PANEL BOARD <b>1542M</b>	2
		2 X 4 X 29-3/4" END PANEL SUPPORT <b>1542N</b>	5



1542	PICTURE	DESCRIPTION	QTY.
		2 X 4 X 30-7/8" LADDER SIDE <b>1542O</b>	2
		2 X 4 X 44-1/4" TOP PANEL SUPPORT <b>1542P</b>	2
		2 X 6 X 12" CONNECTOR BOARD <b>1542Q</b>	2
		2 X 6 X 20-1/4" CENTER DECK SUPPORT <b>1542R</b>	1
		2 X 6 X 29-3/4" DECK SUPPORT <b>1542S</b>	2
		2 X 6 X 29-3/4" DECK MOUNT <b>1542T</b>	1
		4 X 4 X 7-1/2" ANGLE SUPPORT <b>1542U</b>	2

1542	PICTURE	DESCRIPTION	QTY.
		4 X 4 X 41-5/16" CORNER POST <b>1542V</b>	2
		4 X 4 X 72-3/8" SUPPORT POST <b>1542W</b>	2

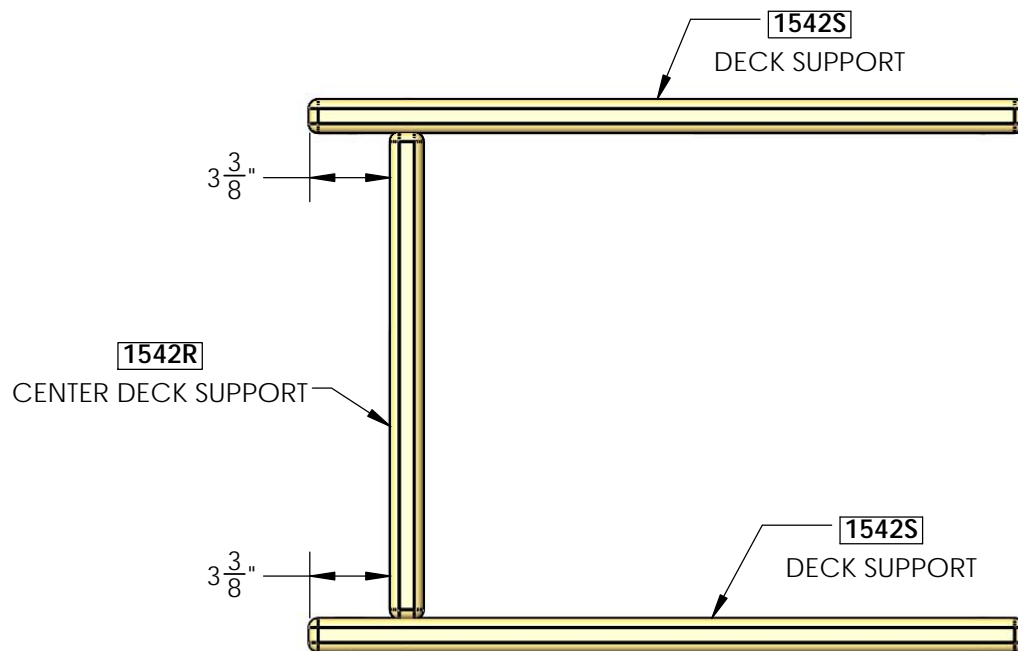
PICTURE	DESCRIPTION	QTY.
	TELESCOPE	1
	TIC TAC TOE (UNASSEMBLED) <b>07-0010</b>	1
	FLAG KIT <b>09-1014</b>	1 pr
	SUB BRACKET <b>11-5017</b>	1
	GRAB HANDLES (2 HANDLES ARE IN ONE BAG) <b>07-0005</b>	4
(NOT SHOWN)	SKYLOFT HARDWARE <b>11-0115</b>  SUB BRACKET HARDWARE <b>11-2027</b>	1   1

## STEP 1: DECK FRAME

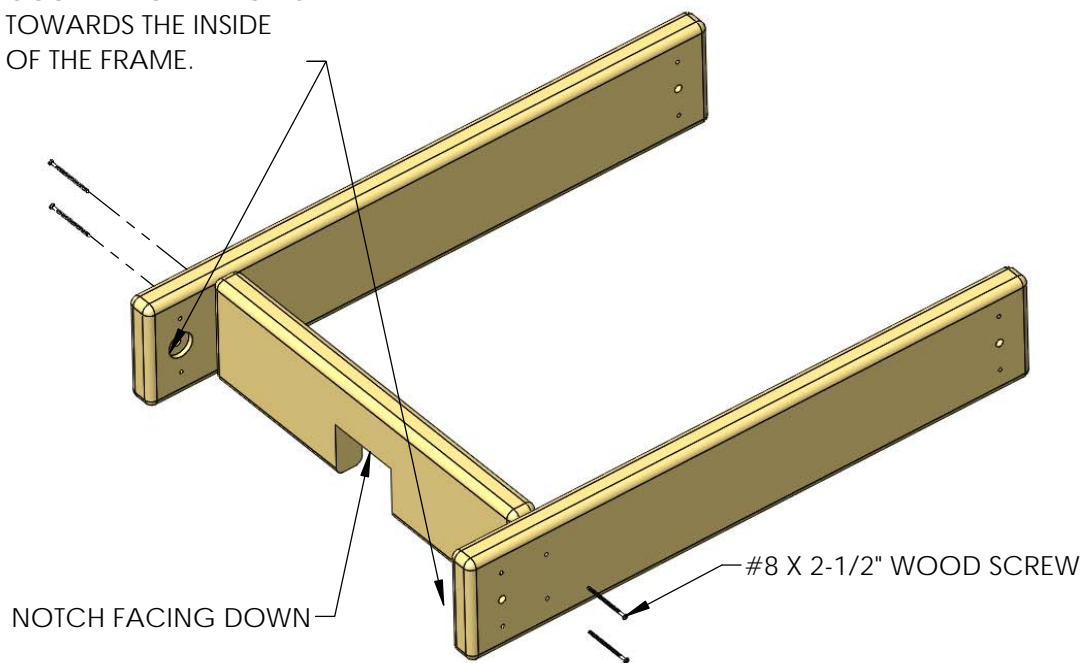
1: INSTALL BOARDS AS SHOWN BELOW:

\* NOTE POSITION OF COUNTERBORED HOLES.

\* NOTE DIRECTION OF NOTCH.

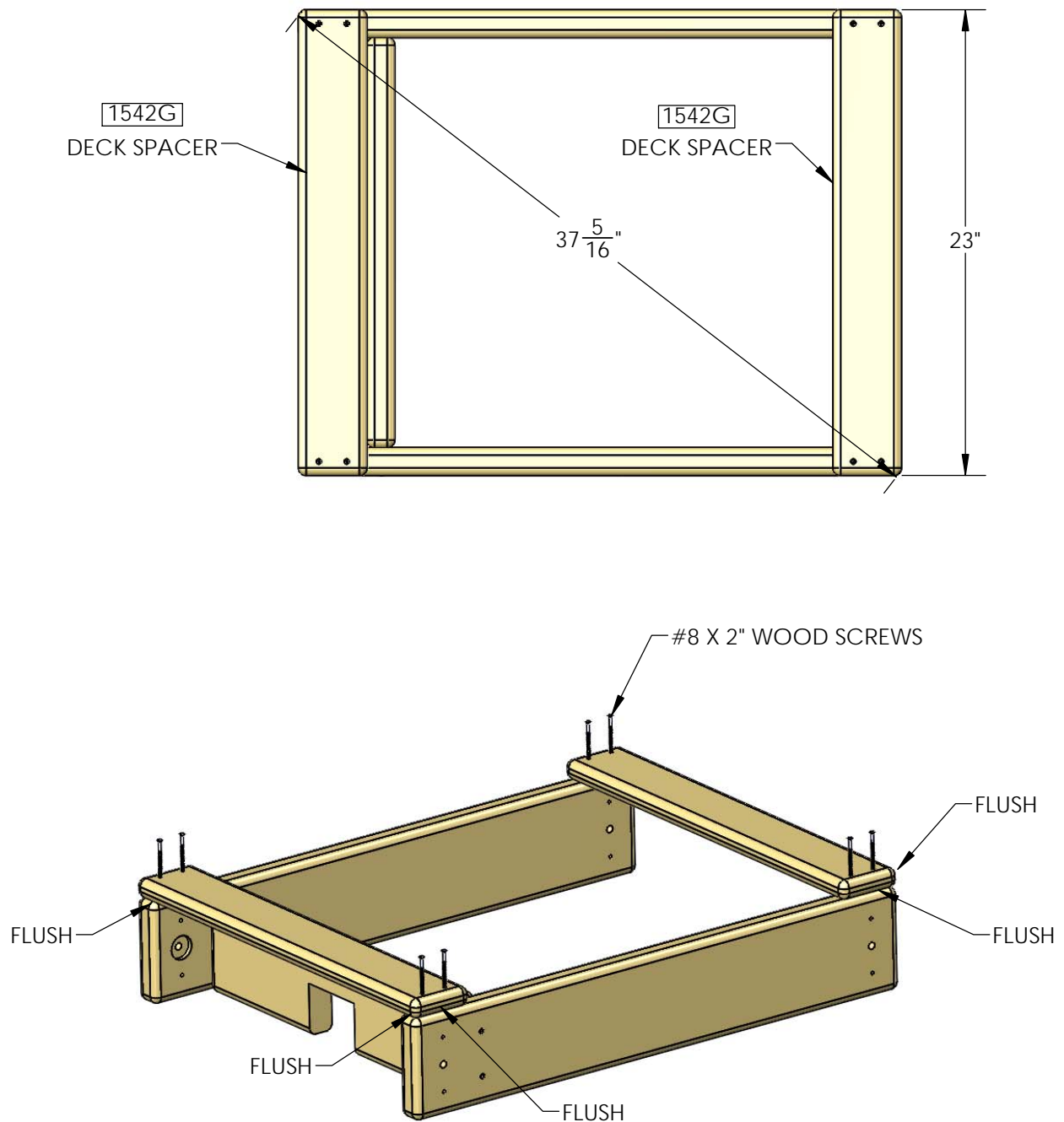


COUNTERBORED HOLES  
TOWARDS THE INSIDE  
OF THE FRAME.



## STEP 2: DECK SPACERS

1: INSTALL DECK SPACER AS SHOWN BELOW.

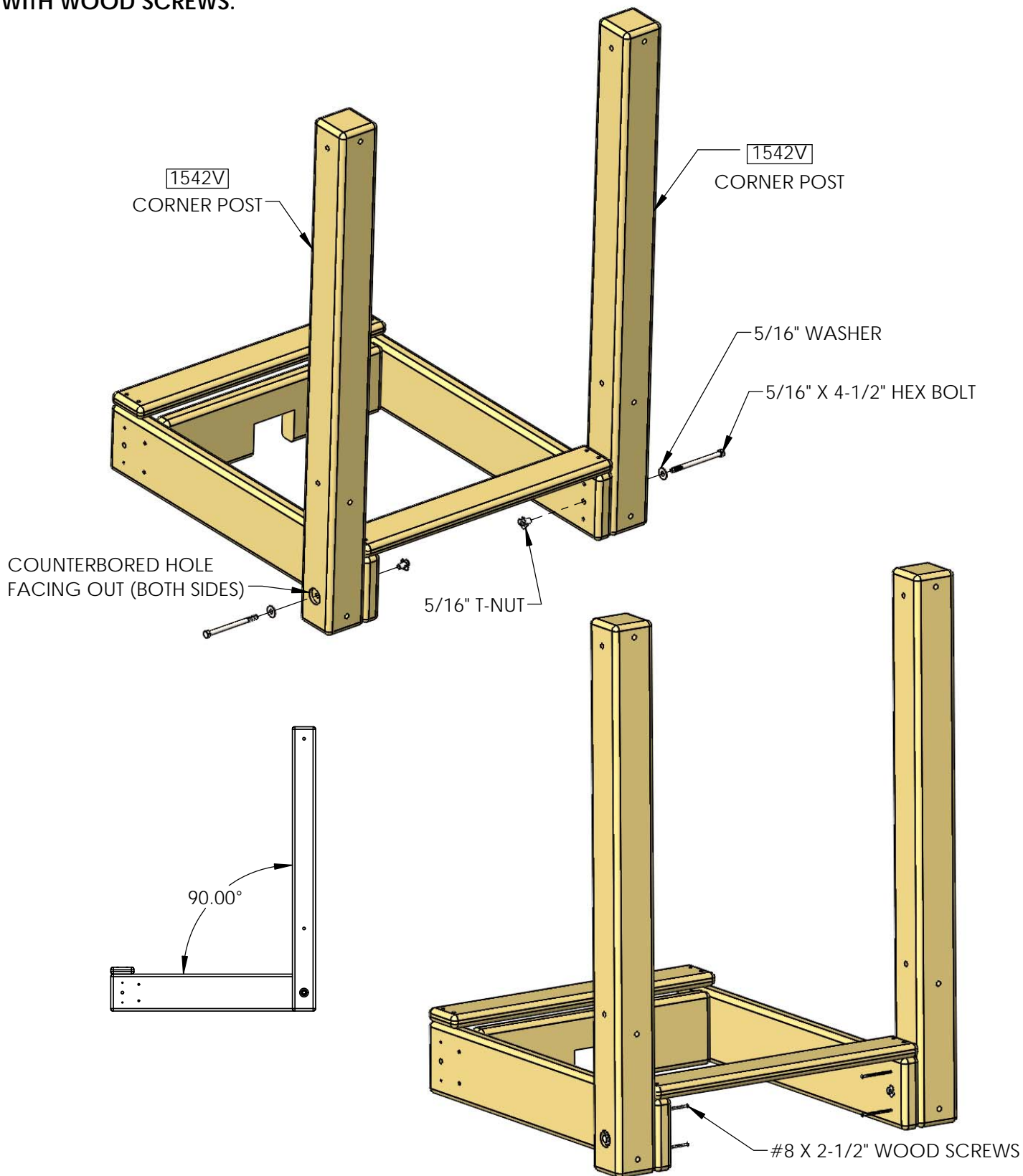


## STEP 3: CORNER POSTS

1: INSTALL BOARDS AS SHOWN BELOW.

\* NOTE POSITION OF COUNTERBORED HOLES.

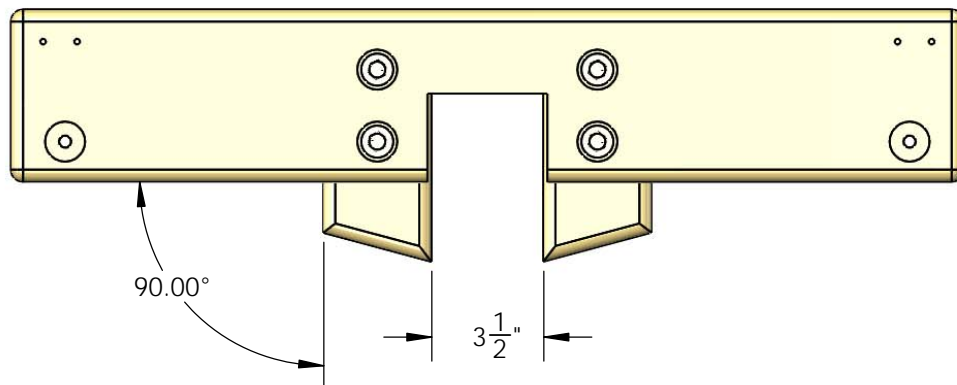
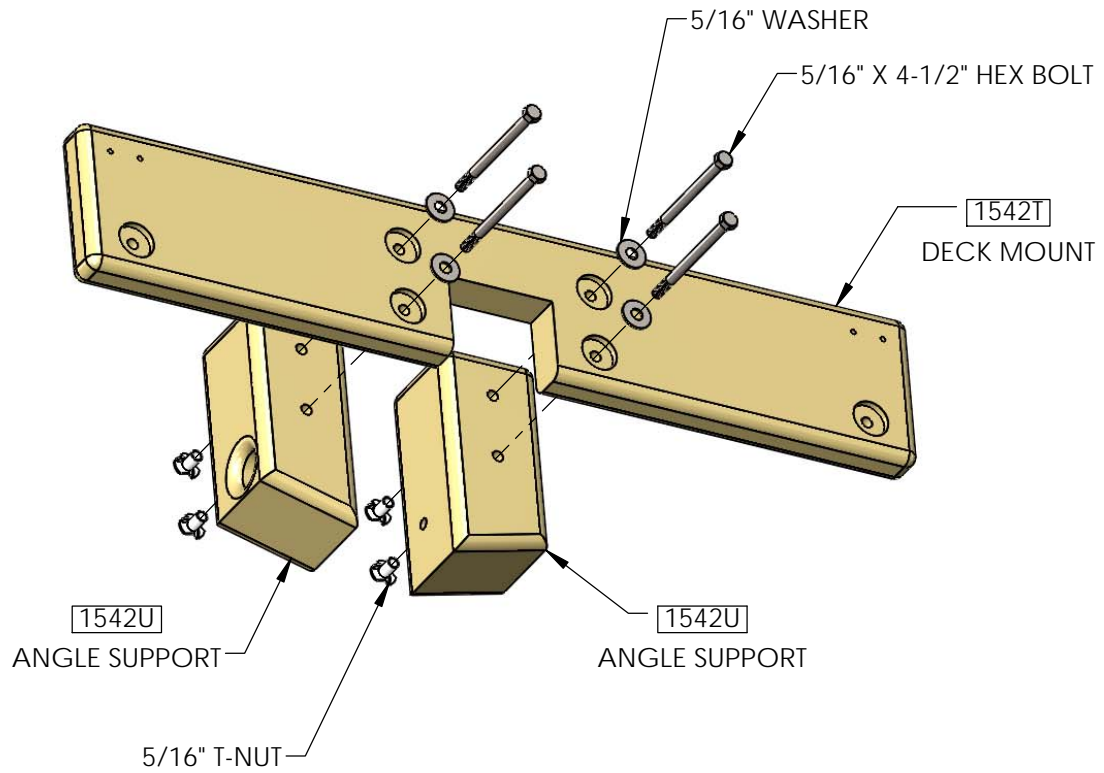
\* NOTE: CORNER POSTS, MUST BE 90 DEGREES FROM DECK SUPPORT BEFORE SECURING WITH WOOD SCREWS.





## STEP 4: BRACES

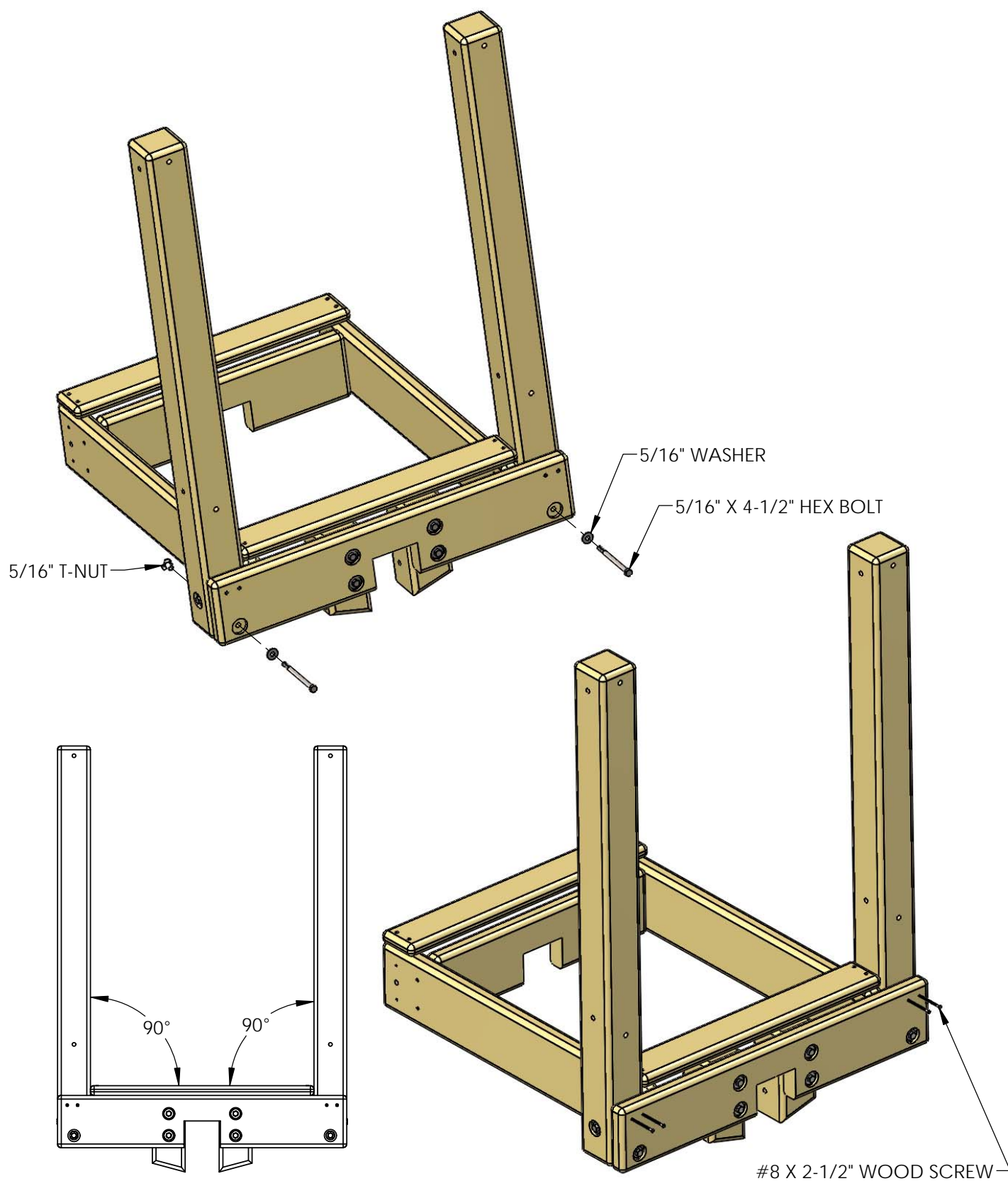
1: INSTALL BOARDS AS SHOWN BELOW.



## STEP 5: ATTACHING BRACES TO DECK FRAME

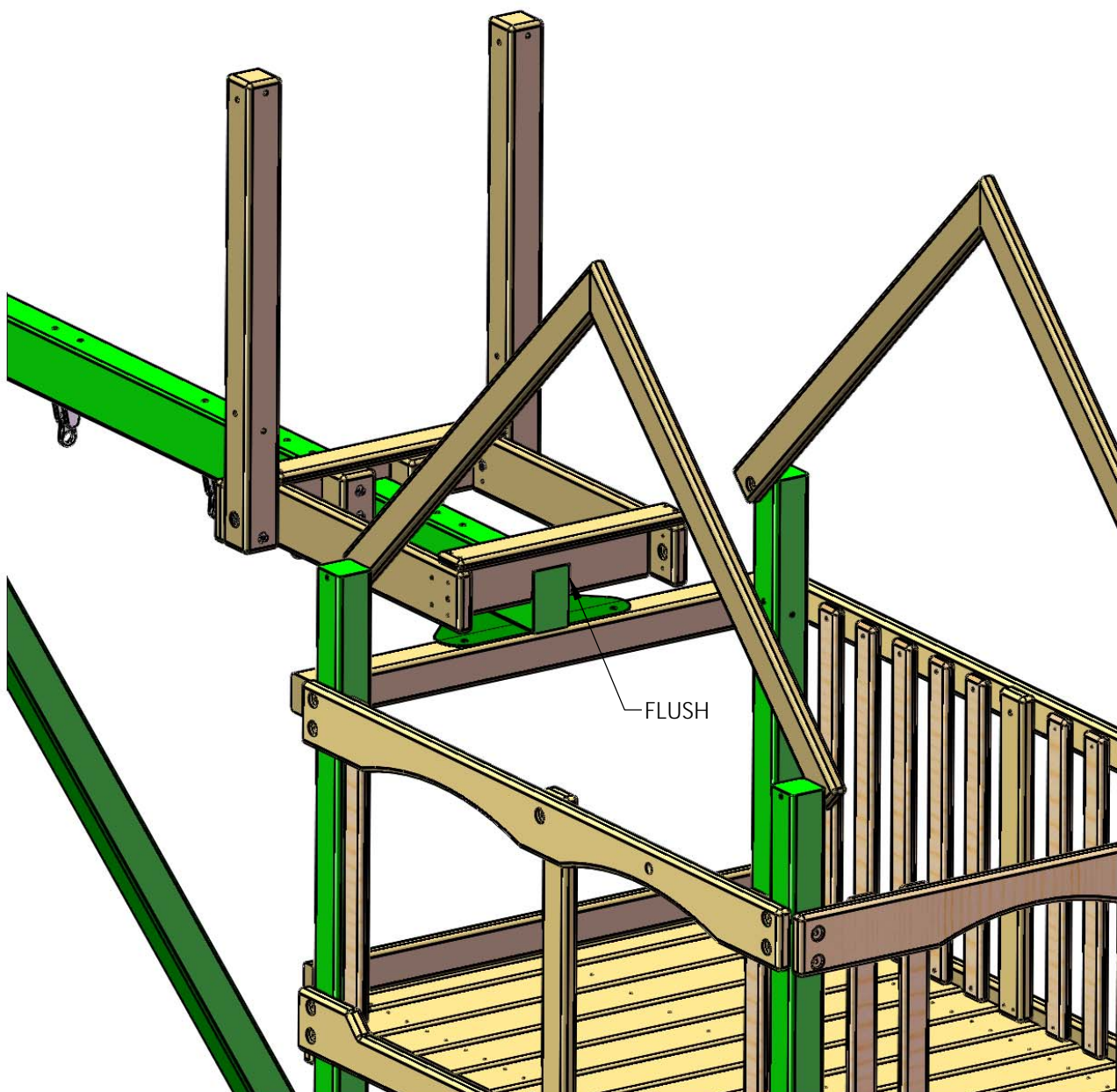
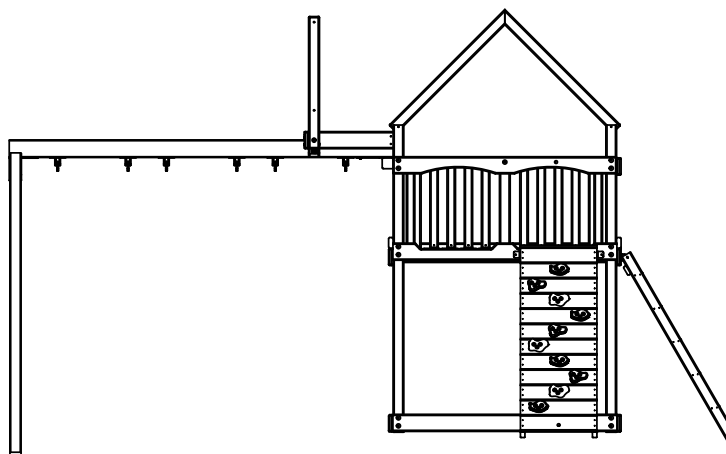
1: INSTALL BOARDS AS SHOWN BELOW.

**NOTE: MAKE SURE CORNER POSTS ARE 90 DEGREES FROM DECK SUPPORT BEFORE SECURING WITH WOOD SCREWS.**



## STEP 5A: MOUNTING THE PLATFORM TO SWING BEAM

1: SET THE PLATFORM ON TOP OF THE SWING BEAM AND USE THE NOTCHES TO CENTER IT AS SHOWN BELOW.

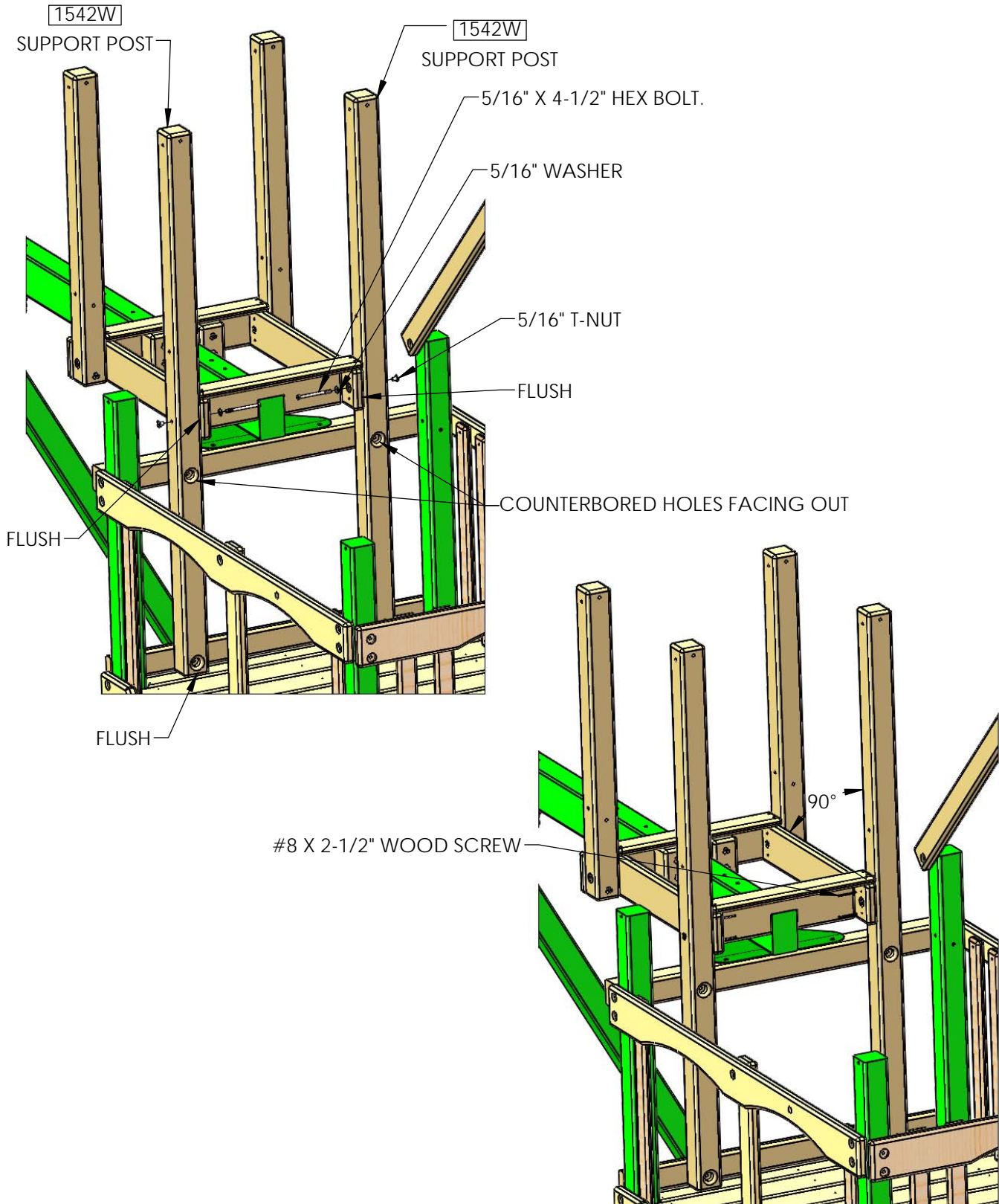


## STEP 6: SUPPORT POSTS

1: ATTACH SUPPORT POSTS AS SHOWN BELOW.

\* NOTE: MAKE SURE SUPPORT POSTS ARE 90 DEGREES FROM DECK SUPPORT BEFORE SECURING WITH WOOD SCREWS.

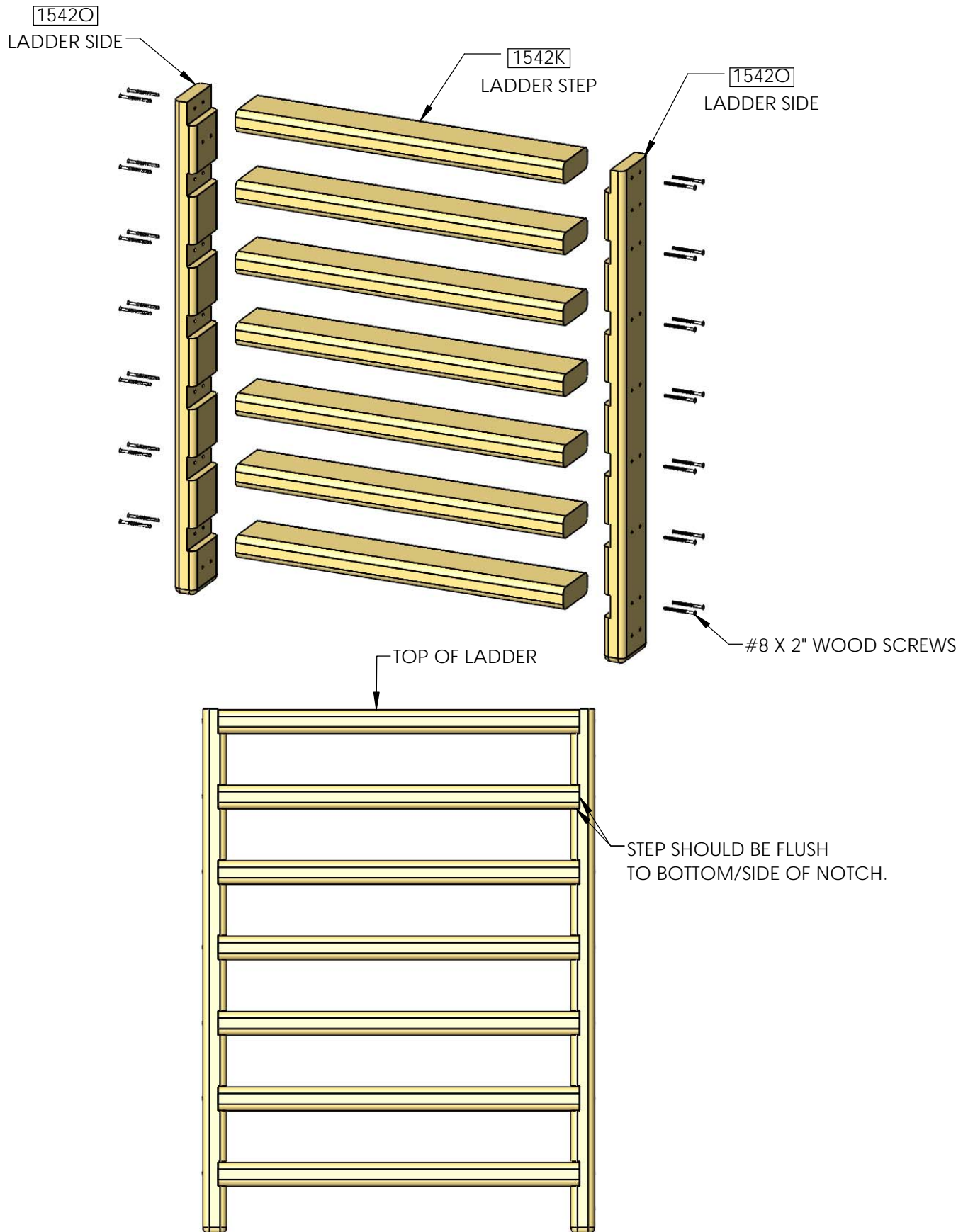
\* NOTE POSITION OF COUNTERBORED HOLES FACING OUT.





## STEP 7: LADDER

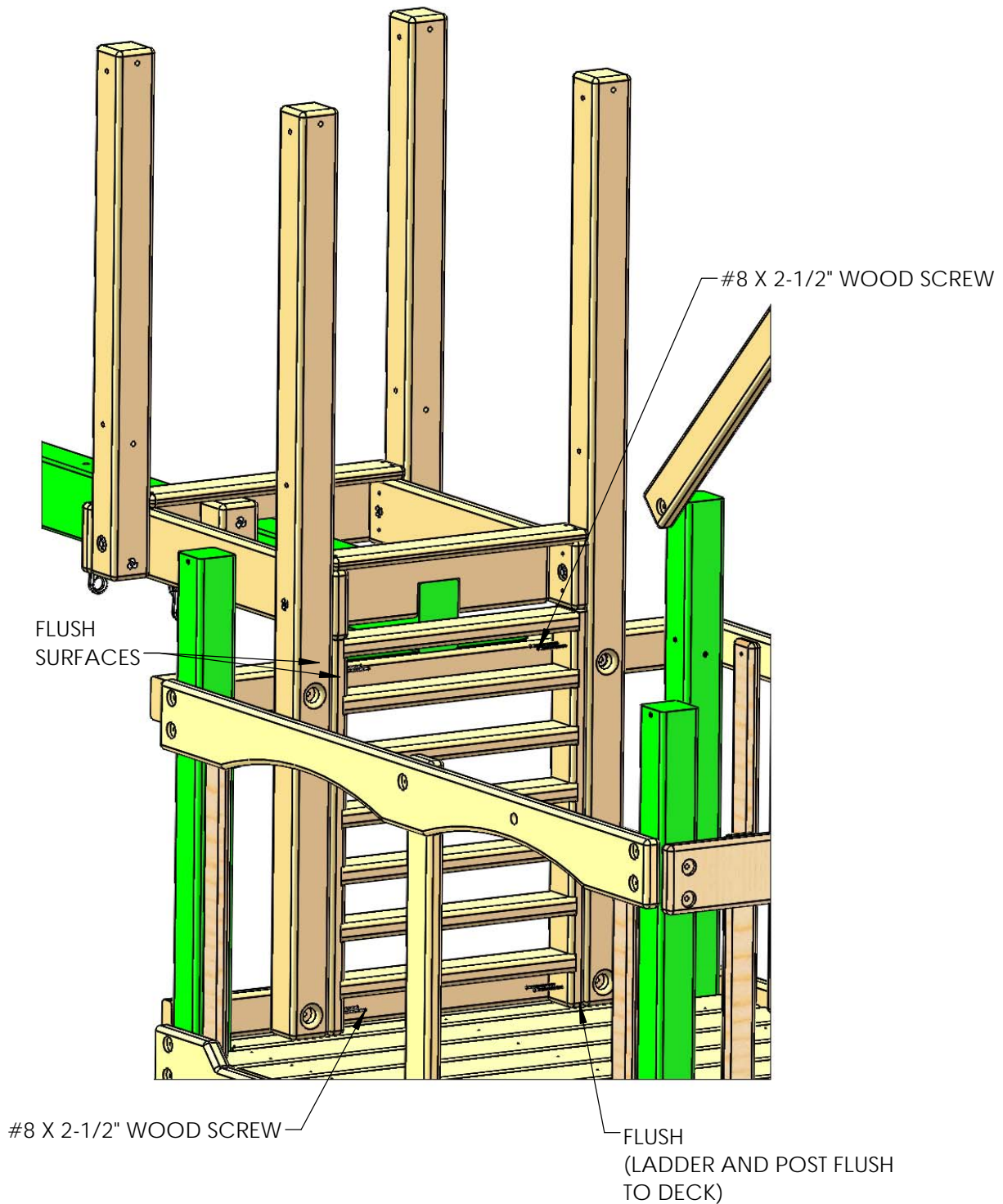
1: ASSEMBLE LADDER AS SHOWN BELOW:



## STEP 8: ATTACHING LADDER TO POSTS.

1: ATTACH LADDER ASSEMBLY IN BETWEEN SUPPORT POSTS AS SHOWN BELOW.

**NOTE: MAKE SURE LADDER ASSEMBLY IS FLUSH TO SUPPORT POSTS. THE BOTTOM OF THE LADDER AND THE BOTTOM OF THE SUPPORT POST SHOULD BE SITTING ON TOP OF DECK BEFORE SECURING WITH WOOD SCREWS.**



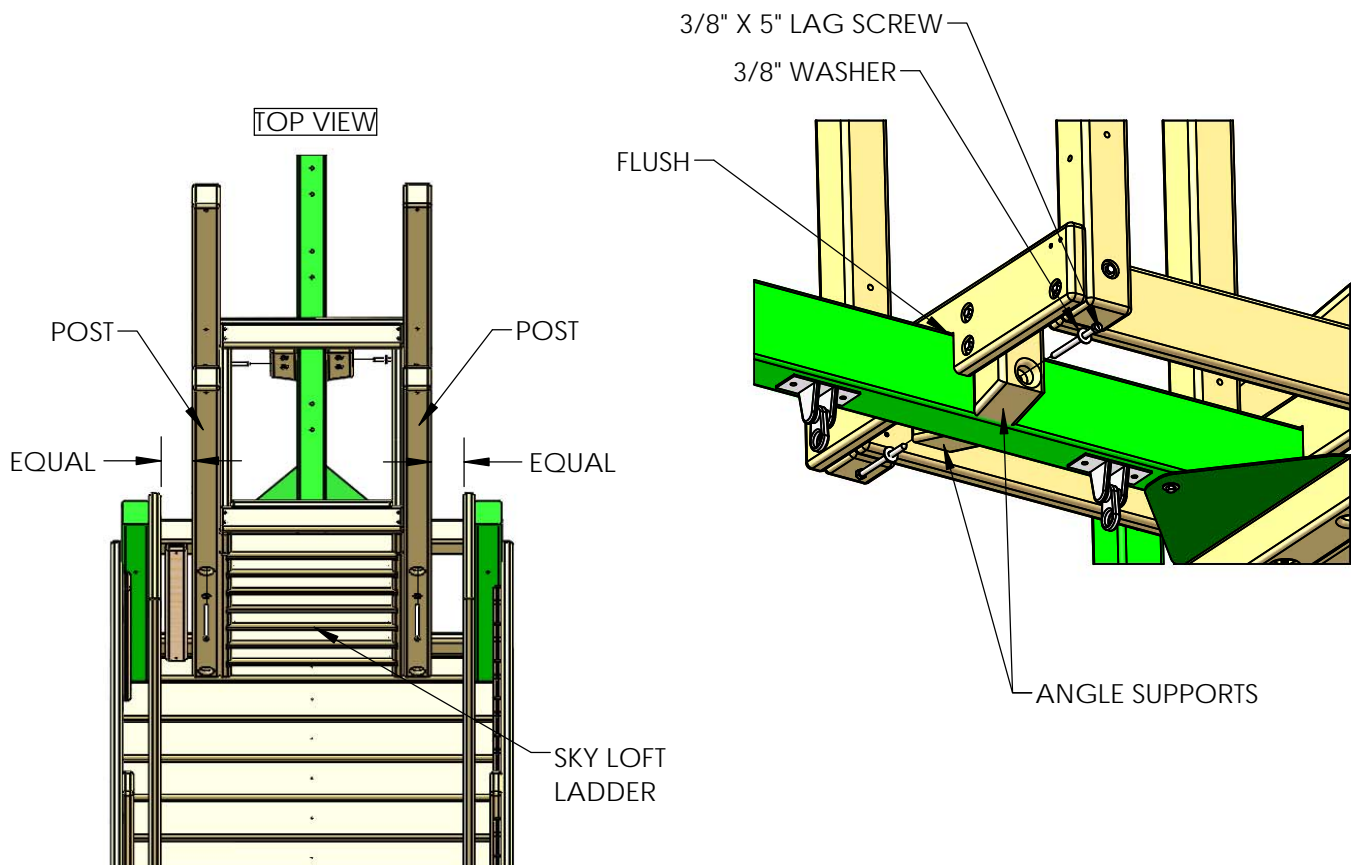
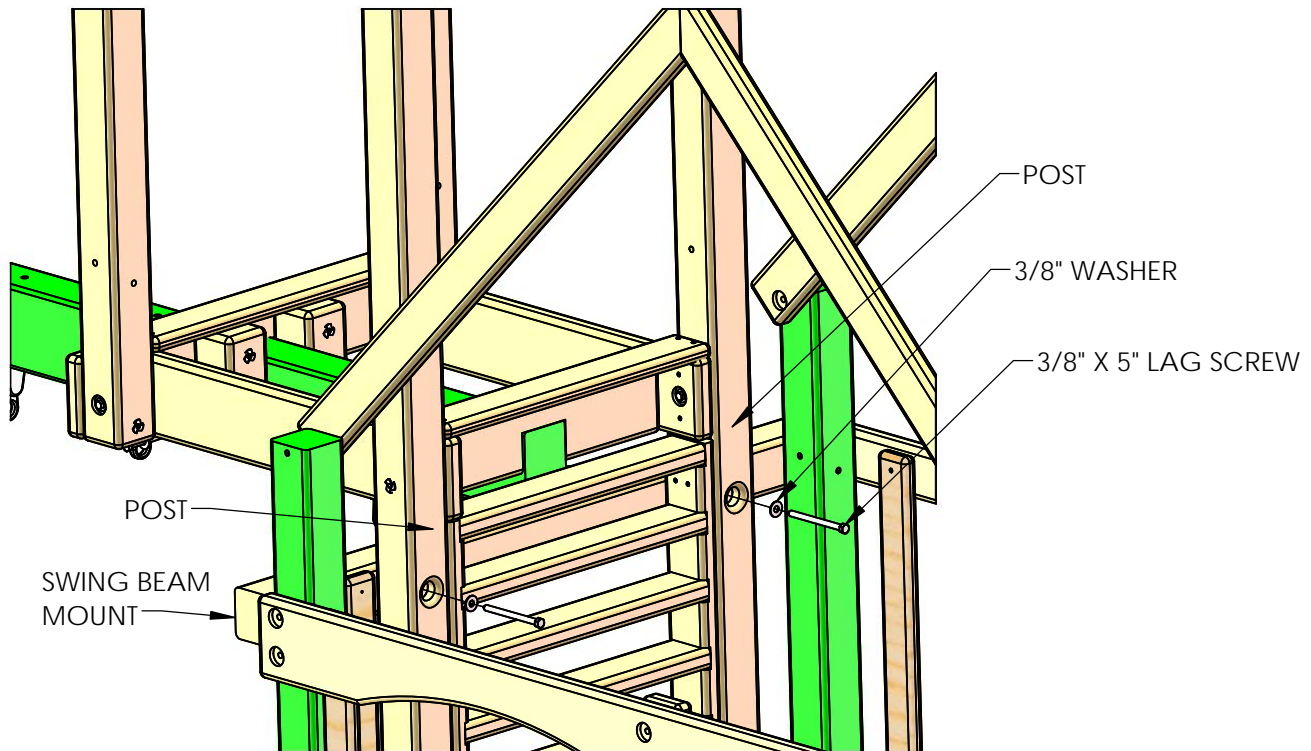


## STEP 9: SECURING TO FORT.

**\*IMPORTANT\*** - CENTER THE POSTS EQUALLY BEFORE INSTALLING LAG SCREWS INTO POSTS. PRE-DRILL 11/64" PILOT HOLES AT ALL LOCATIONS BEFORE INSTALLING LAG SCREWS.

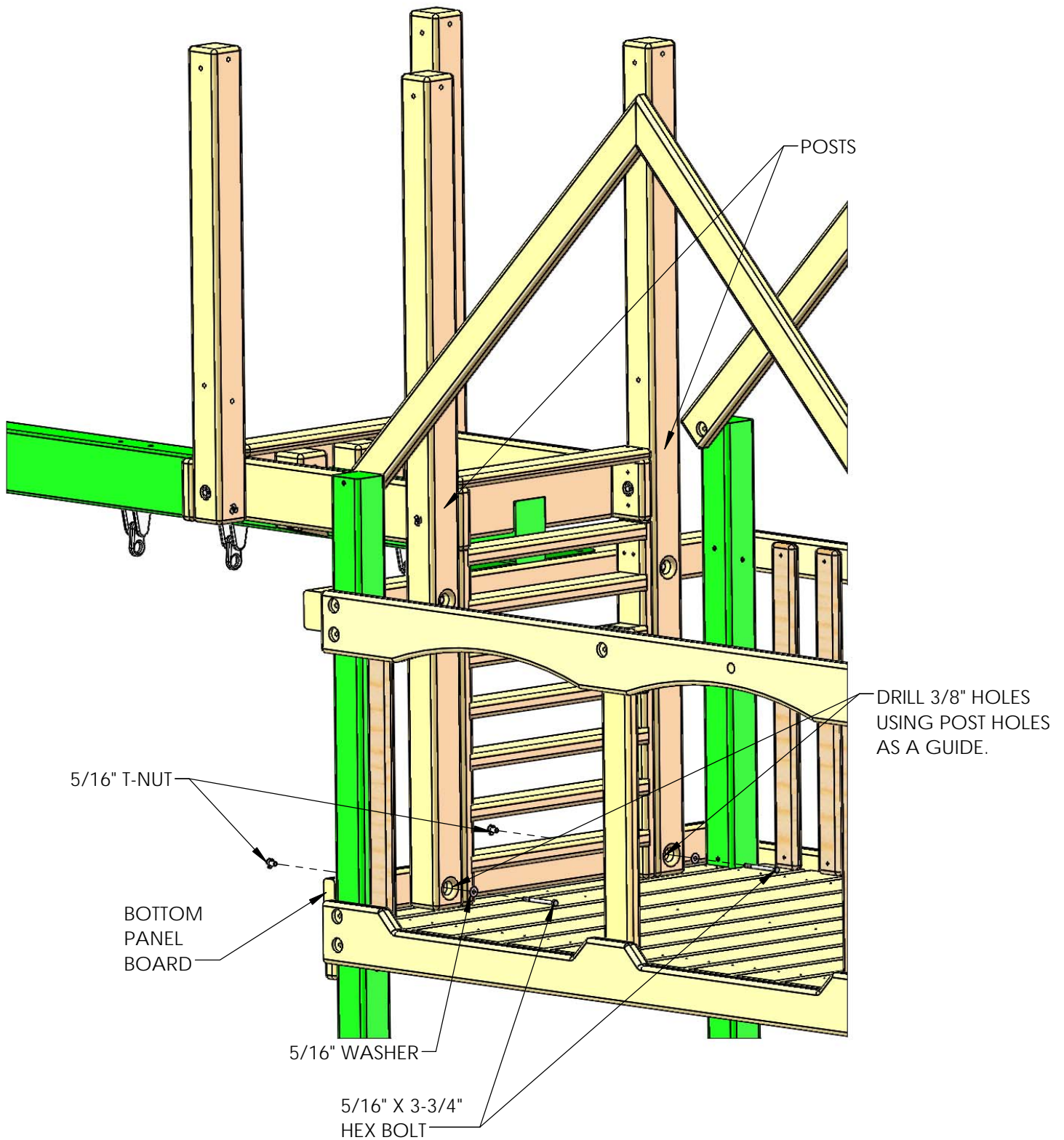
1: SECURE SUPPORT POSTS TO SWING BEAM MOUNT AS SHOWN BELOW.

2: SECURE ANGLE SUPPORTS TO SWING BEAM AS SHOWN BELOW.



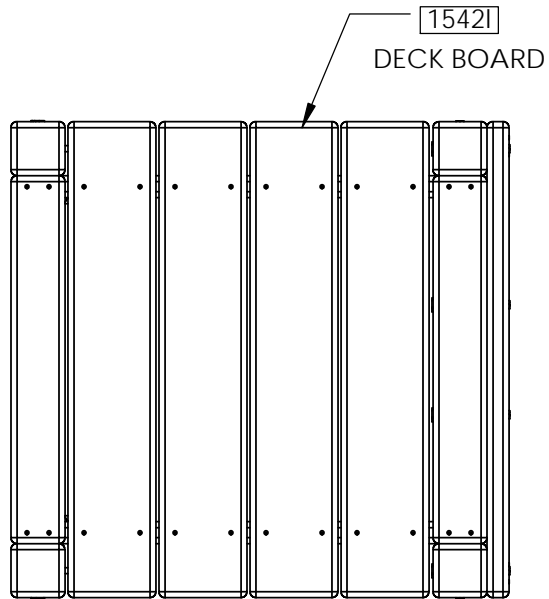
## STEP 9A: POST BOTTOM ATTACHMENT

- 1: CAREFULLY DRILL 3/8" HOLES THROUGH THE BOTTOM PANEL BOARD USING THE POST HOLES AS A GUIDE.
- 2: INSTALL T-NUTS.
- 3: FASTEN AS SHOWN.

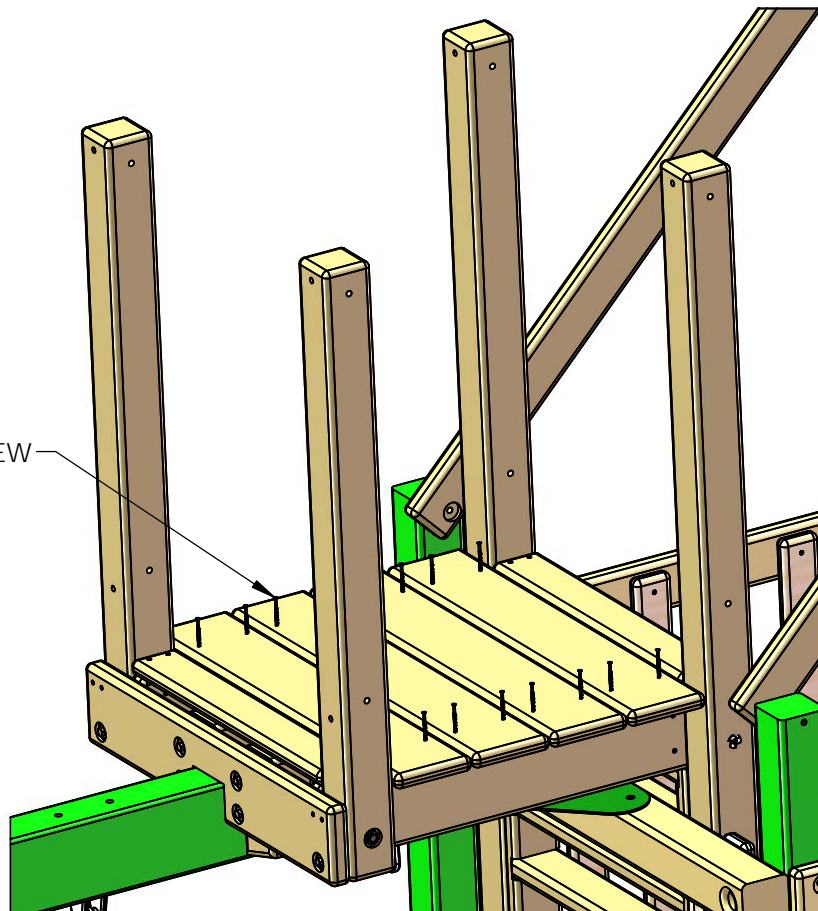


## STEP 10: DECK BOARDS

1: PLACE ALL DECK BOARDS ON DECK SUPPORTS FIRST. MAKE SURE ALL BOARDS ARE EVENLY SPACED AND FLUSH TO THE CORNER POSTS.



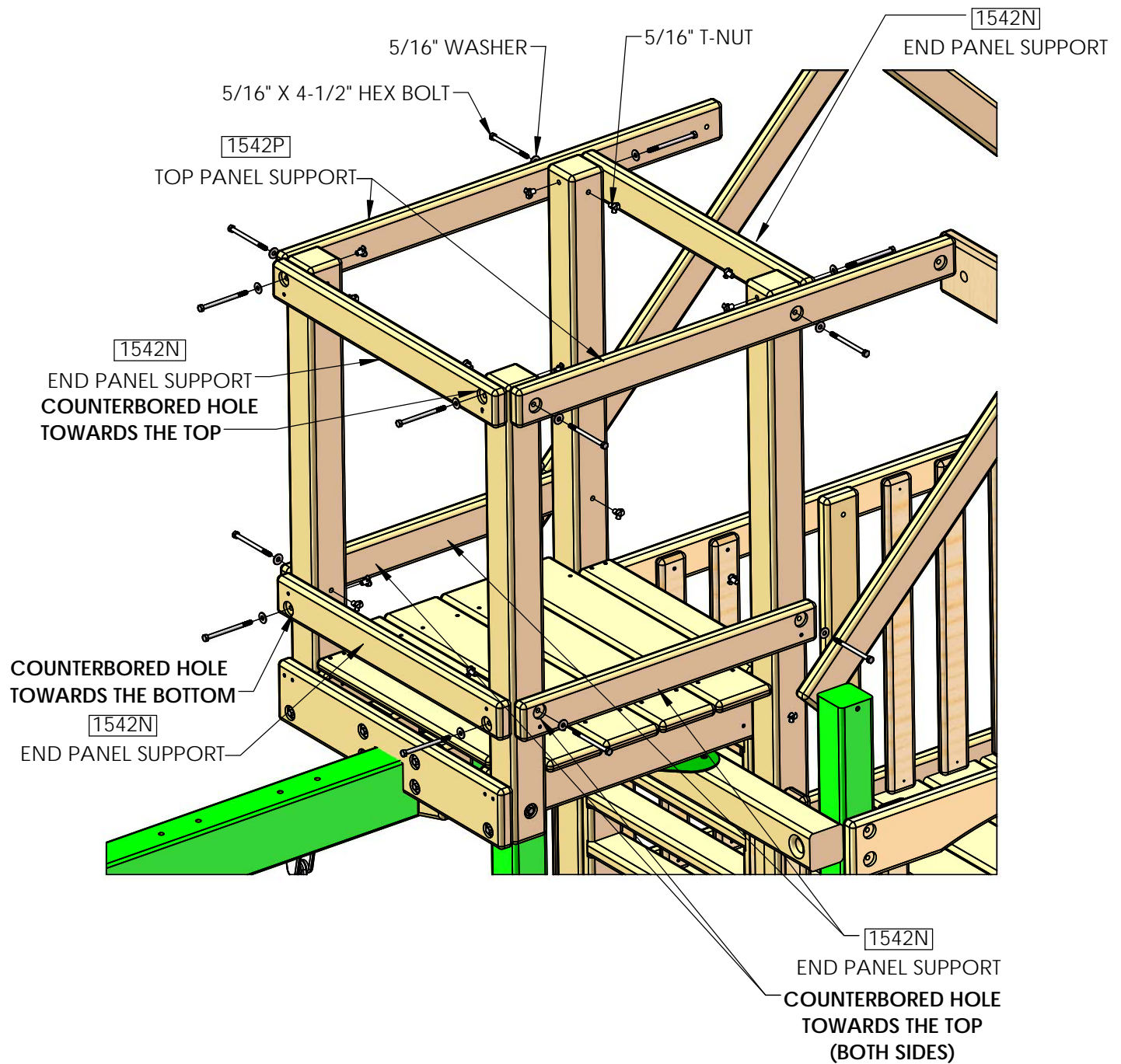
#8 X 2" WOOD SCREW



## STEP 11: ATTACHING PANEL SUPPORTS

1: INSTALL BOARDS AS SHOWN BELOW.

\* **NOTE COUNTERBORED HOLE POSITIONS.**

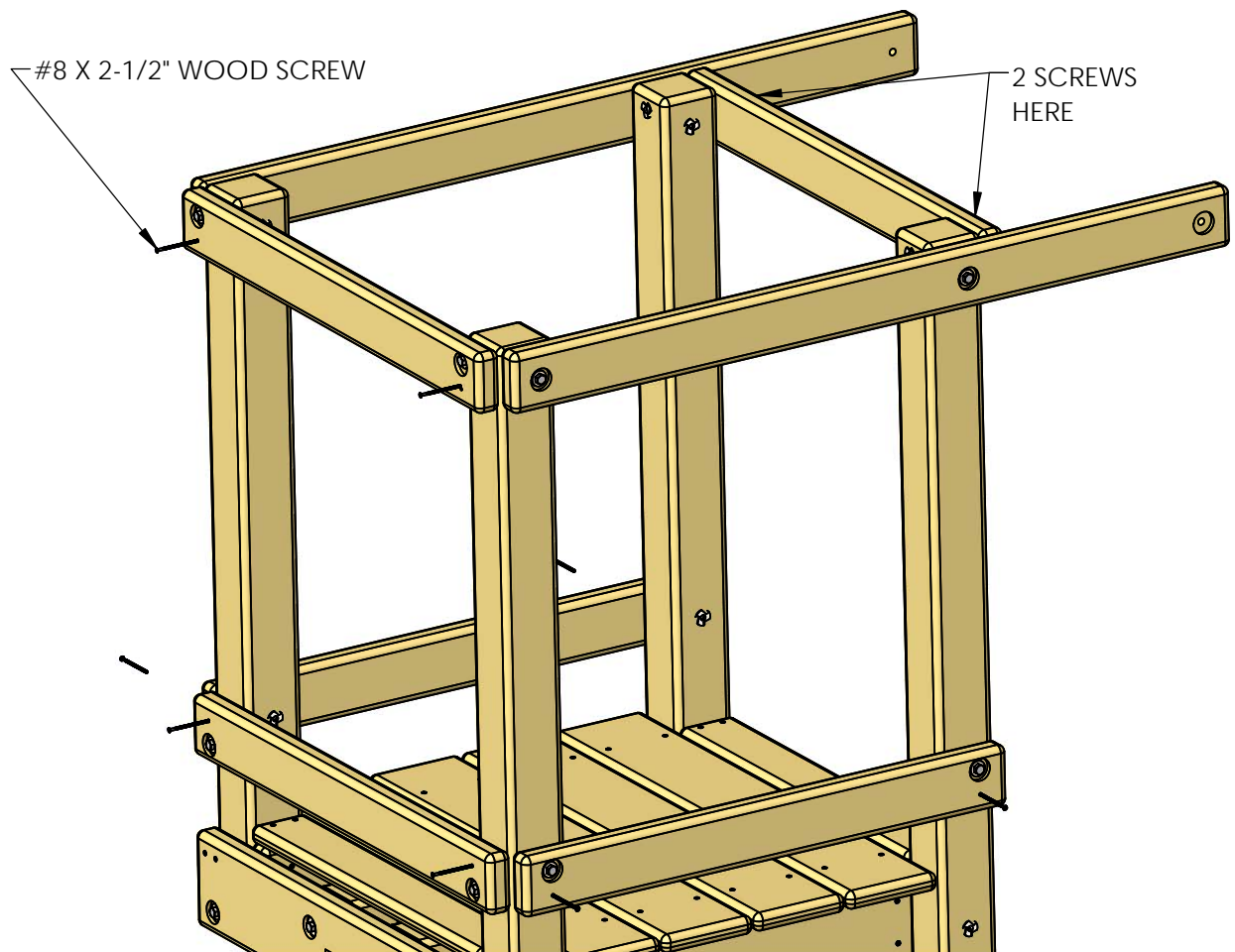
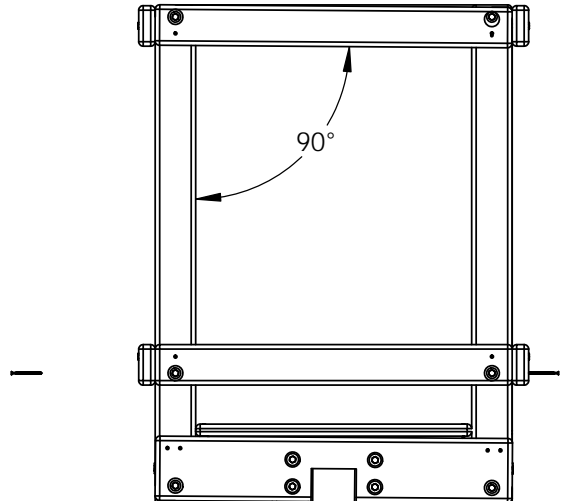
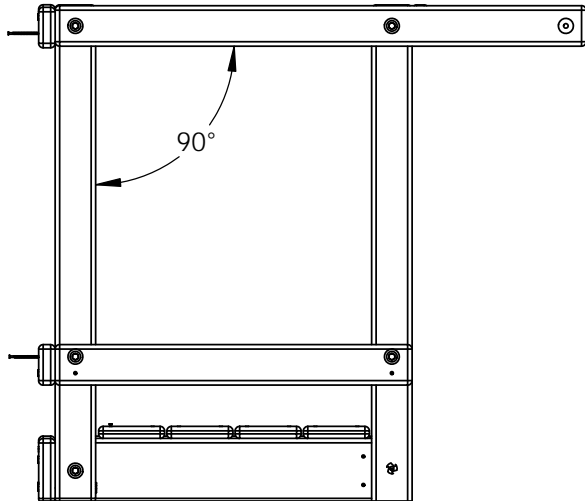




## STEP 11A: SECURING RAILS.

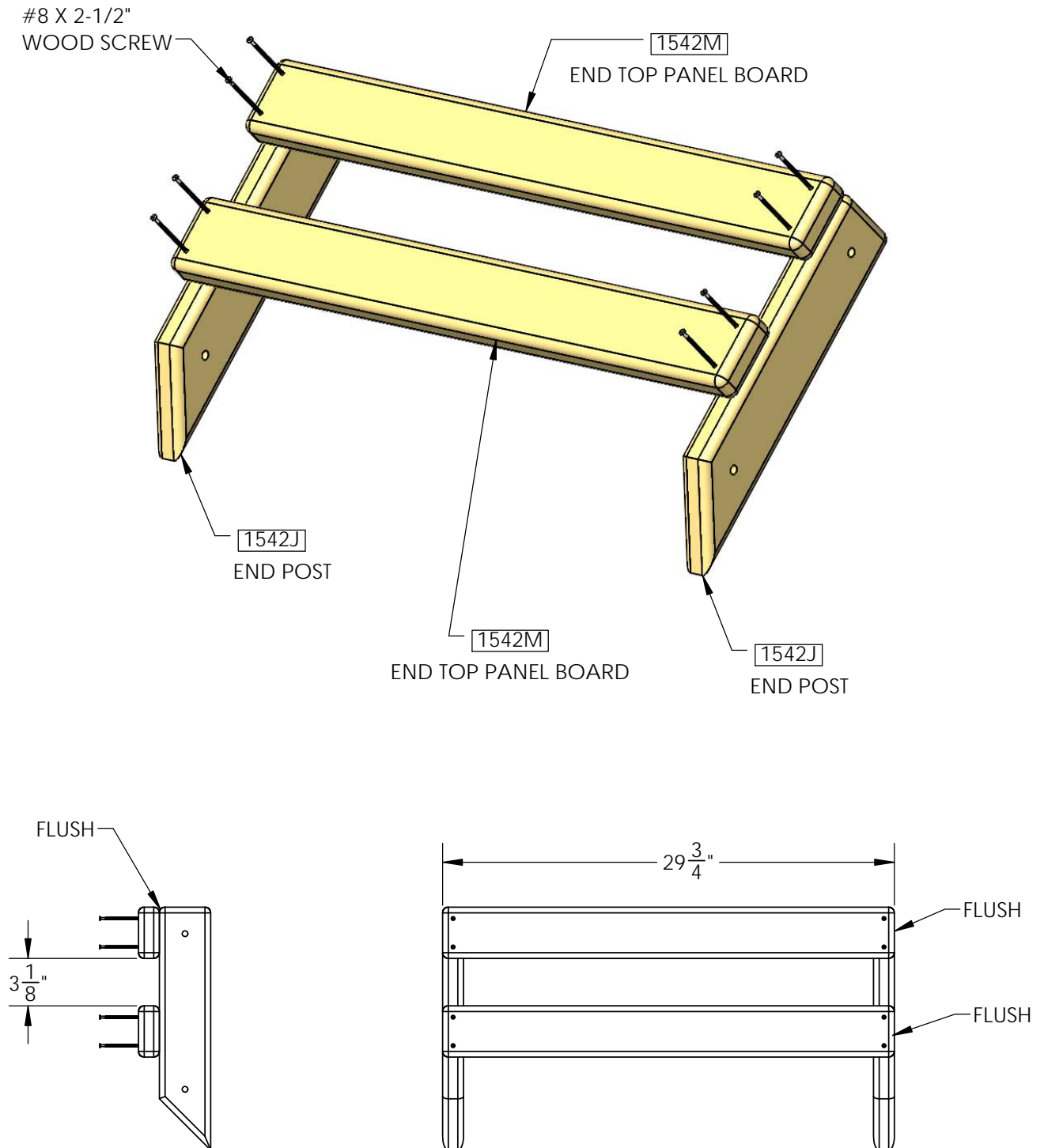
1: ENSURE ALL RAILS ARE SQUARE BEFORE SECURING TO THE POSTS.

2: SECURE WITH WOOD SCREWS.



## STEP 12: FRONT PANEL ASSEMBLY

1: INSTALL BOARDS AS SHOWN BELOW.

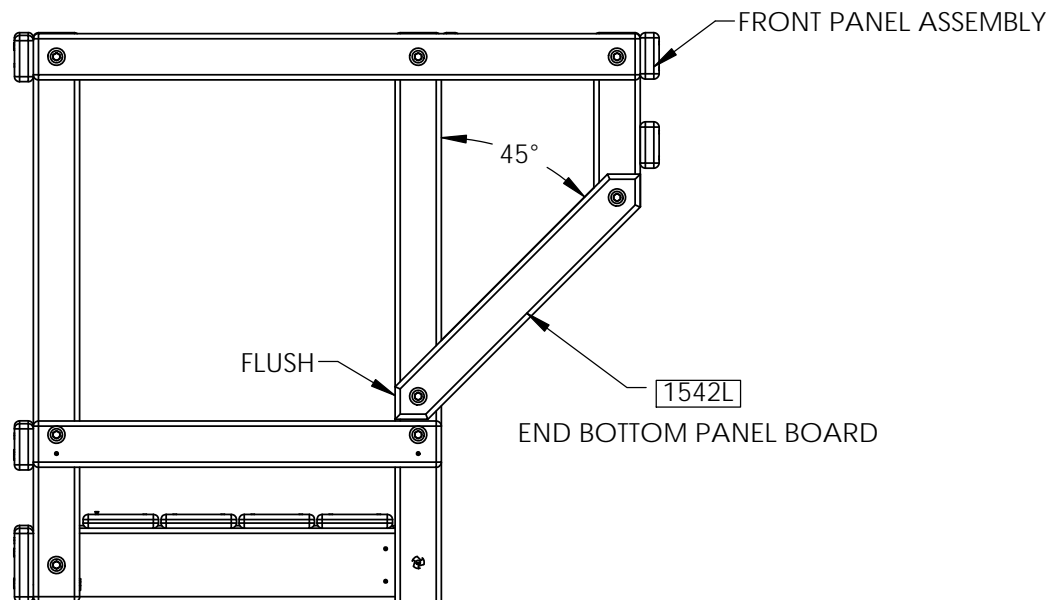
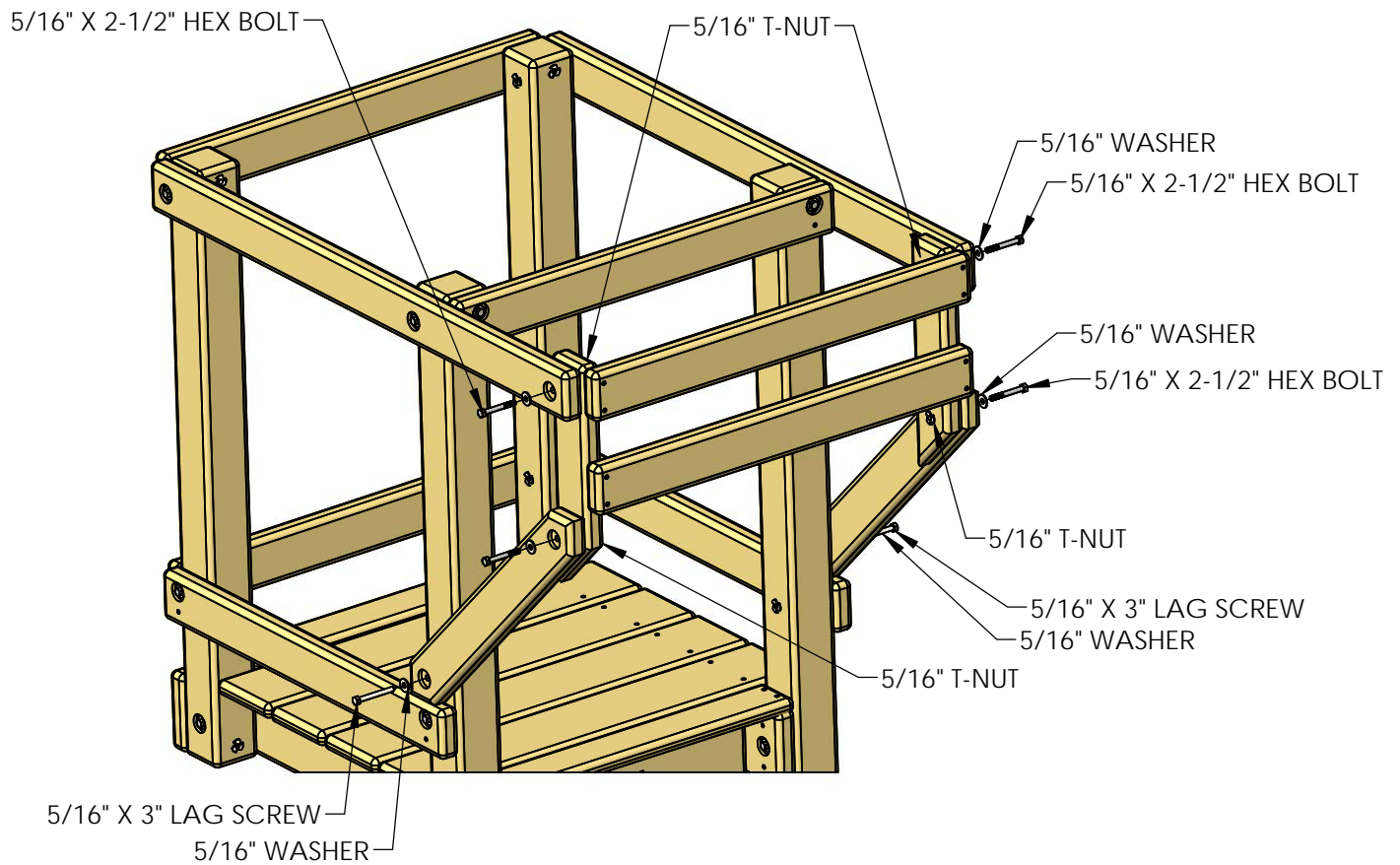




## STEP 13: FRONT PANEL & BOTTOM PANEL BOARD

1: INSTALL T-NUTS ON THE INSIDE OF THE END POSTS WHERE SHOWN.

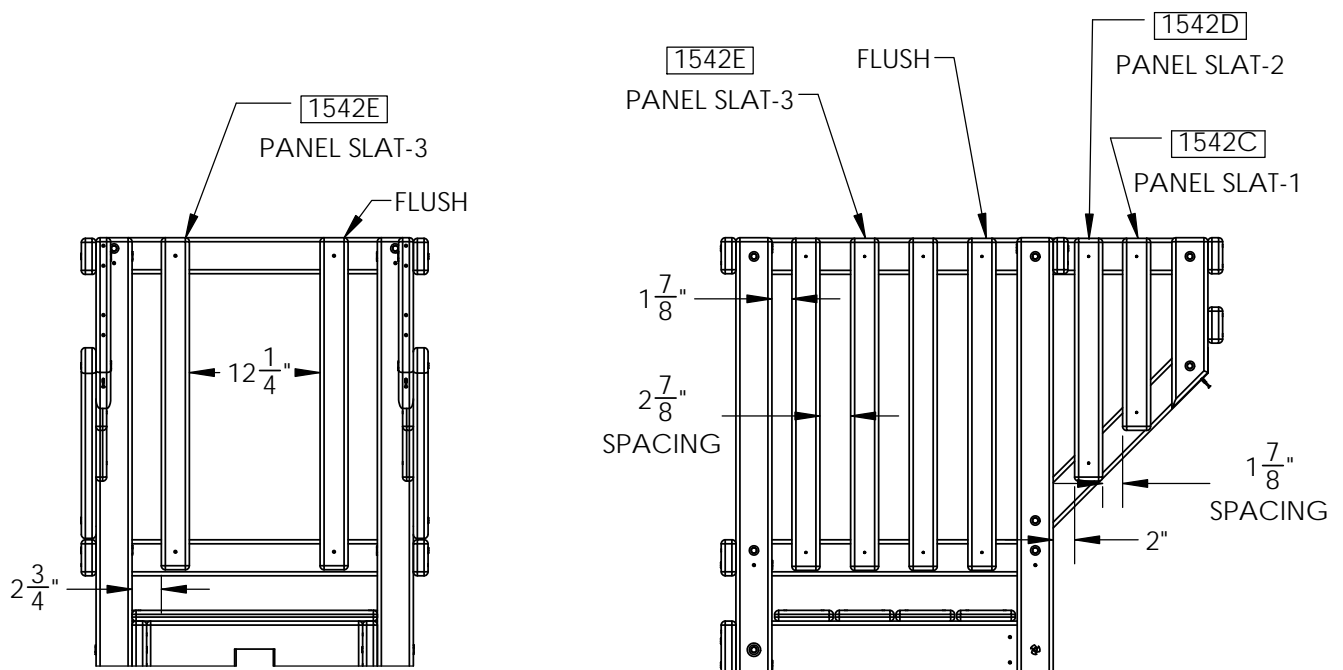
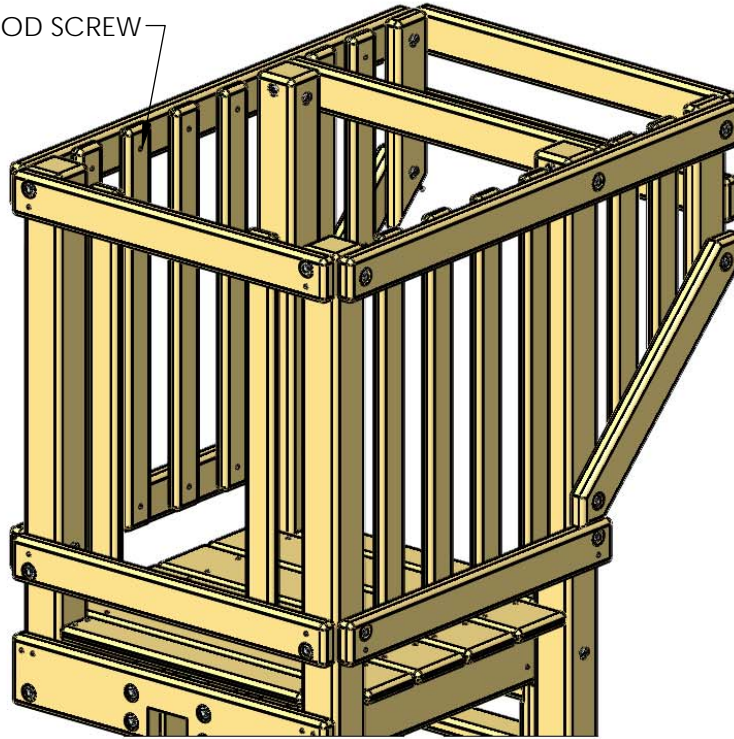
2: INSTALL BOARDS AS SHOWN BELOW.



## STEP 14: PANEL SLATS

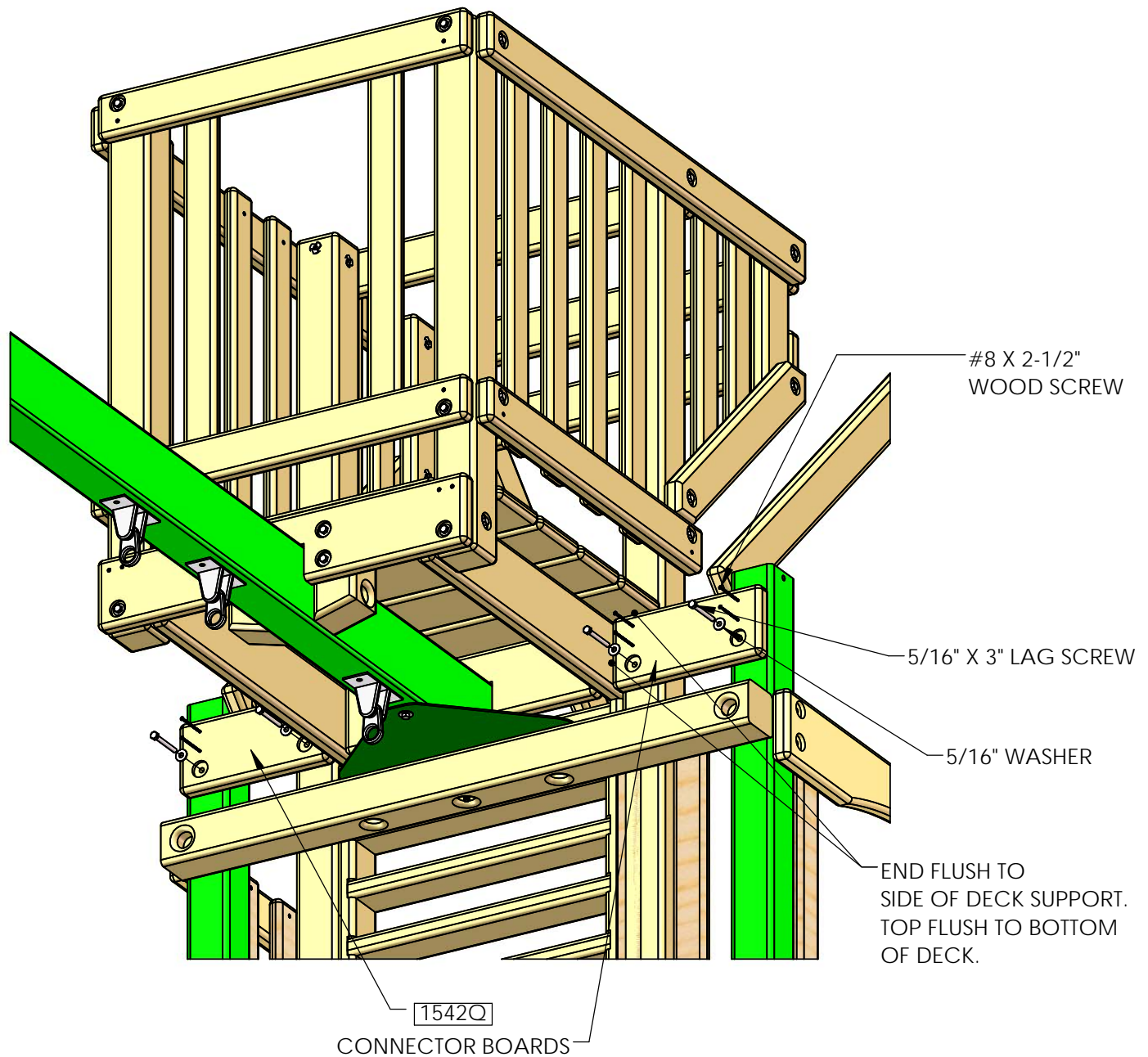
1: INSTALL PANEL SLATS AS SHOWN BELOW.

#8 X 2" WOOD SCREW



## STEP 15: CONNECTOR BOARDS TO FORT

1: INSTALL BOARDS AS SHOWN BELOW.

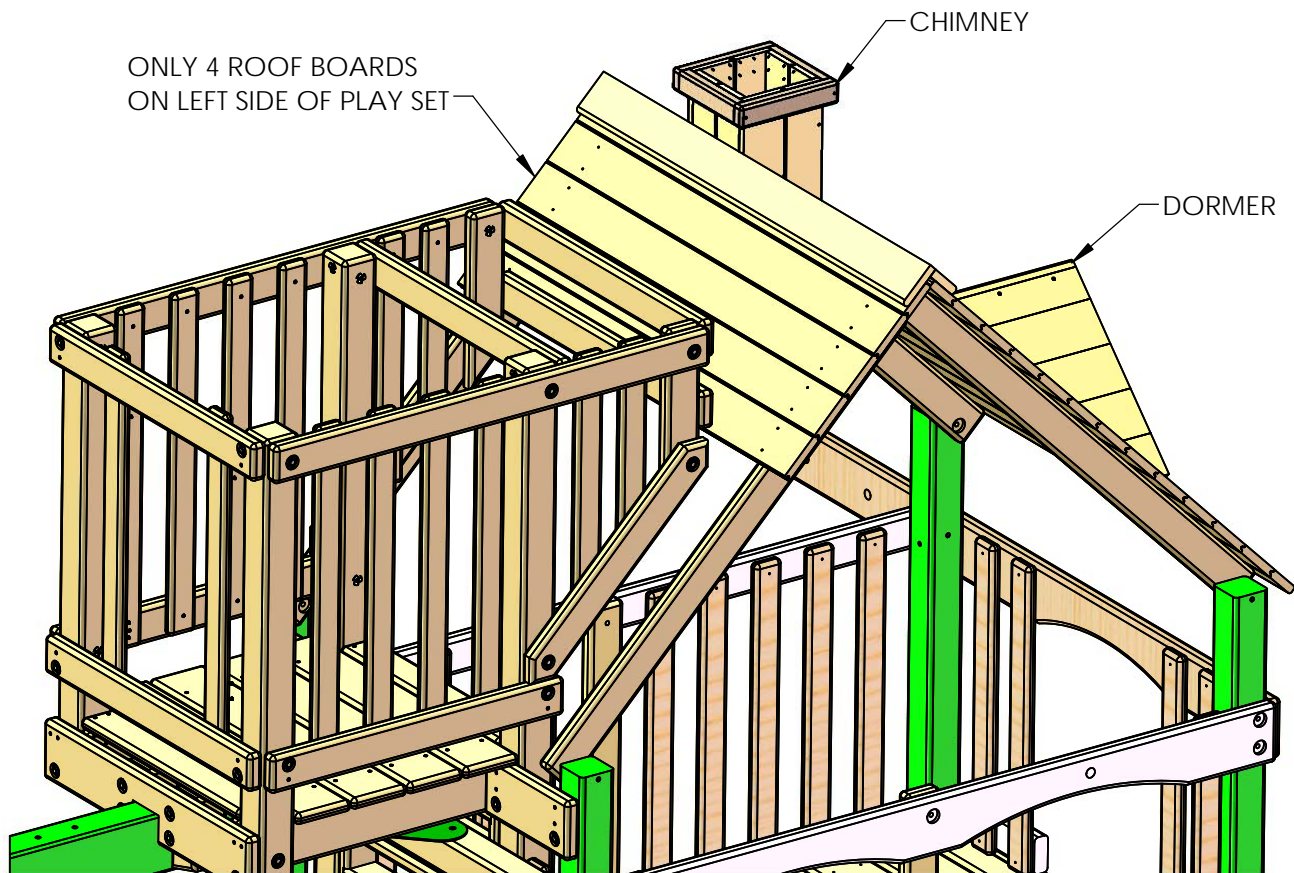


## STEP 16: INSTALLING PLAY SET WOOD ROOF

1: COMPLETE WOOD ROOF INSTALLATION ON THE RIGHT SIDE OF YOUR PLAY SET AS SHOWN IN YOUR MAIN PLAY SET INSTRUCTION MANUAL.

2: THE CHIMNEY WILL BE INSTALLED ON THE RIGHT SIDE OF THE ROOF AS SHOWN BELOW.

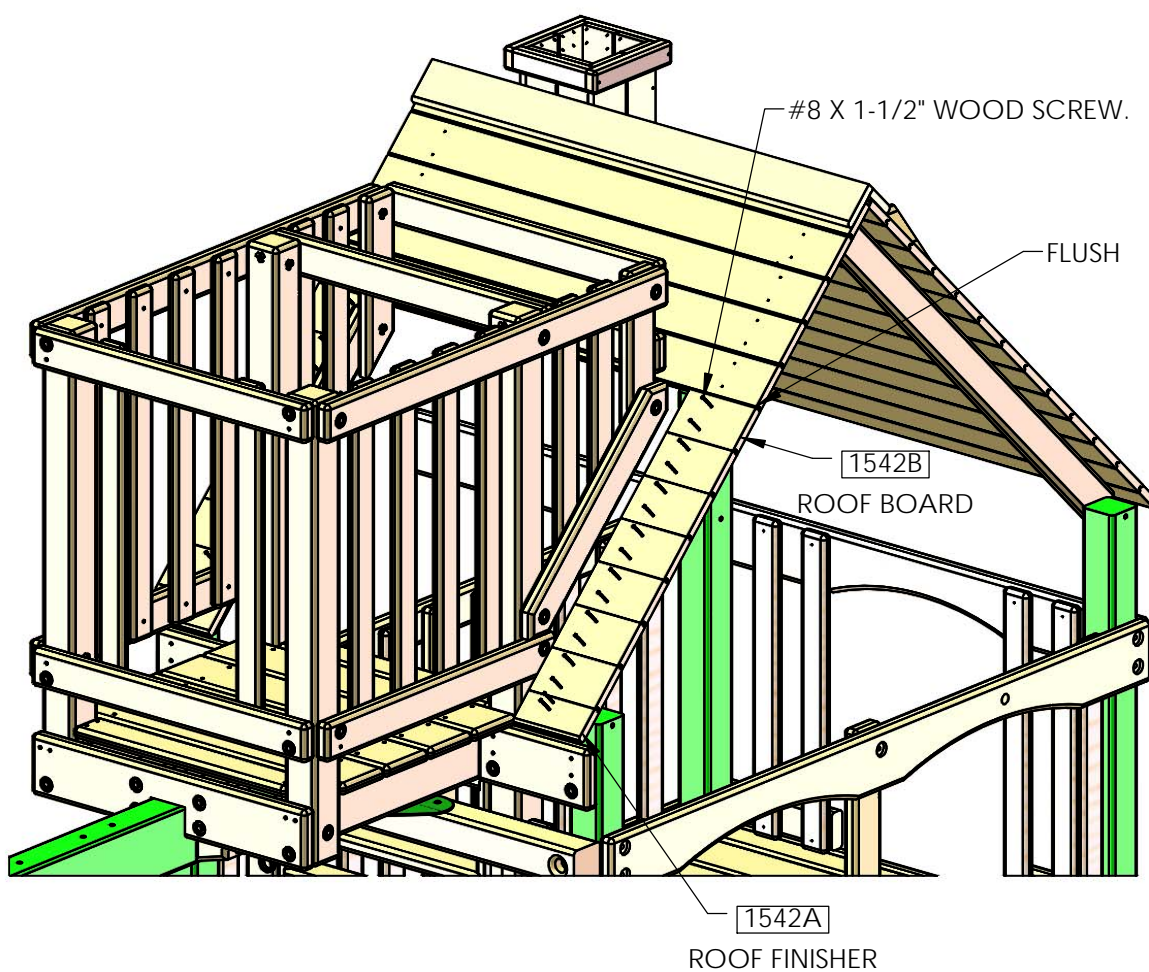
3: INSTALL 4 ROOF BOARDS ON THE LEFT SIDE OF YOUR PLAY SET AS SHOWN BELOW.  
NOTE: THERE WILL BE NO DORMER INSTALLED ON THE LEFT SIDE OF THE ROOF. ONE DORMER WILL BE LEFT OVER AFTER THE ROOF IS COMPLETED.





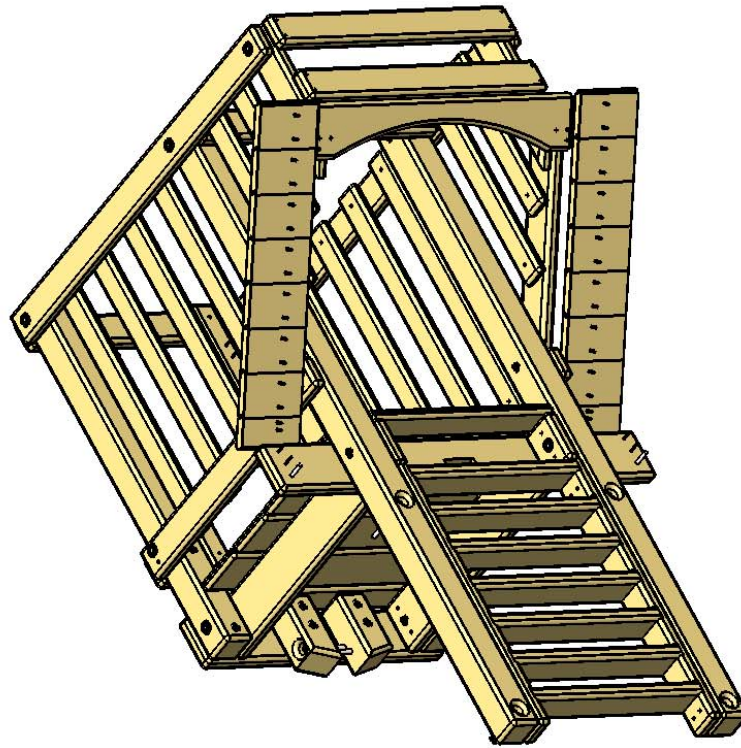
## STEP 16A: SKY LOFT WOOD ROOF.

1: INSTALL ROOF BOARDS AS SHOWN BELOW.



## STEP 17: ENTRY BOARD

1: INSTALL ENTRY BOARD BETWEEN THE SHORT ROOF BOARDS, FLUSH TO THE BOTTOM OF THE LONG ROOF BOARD.

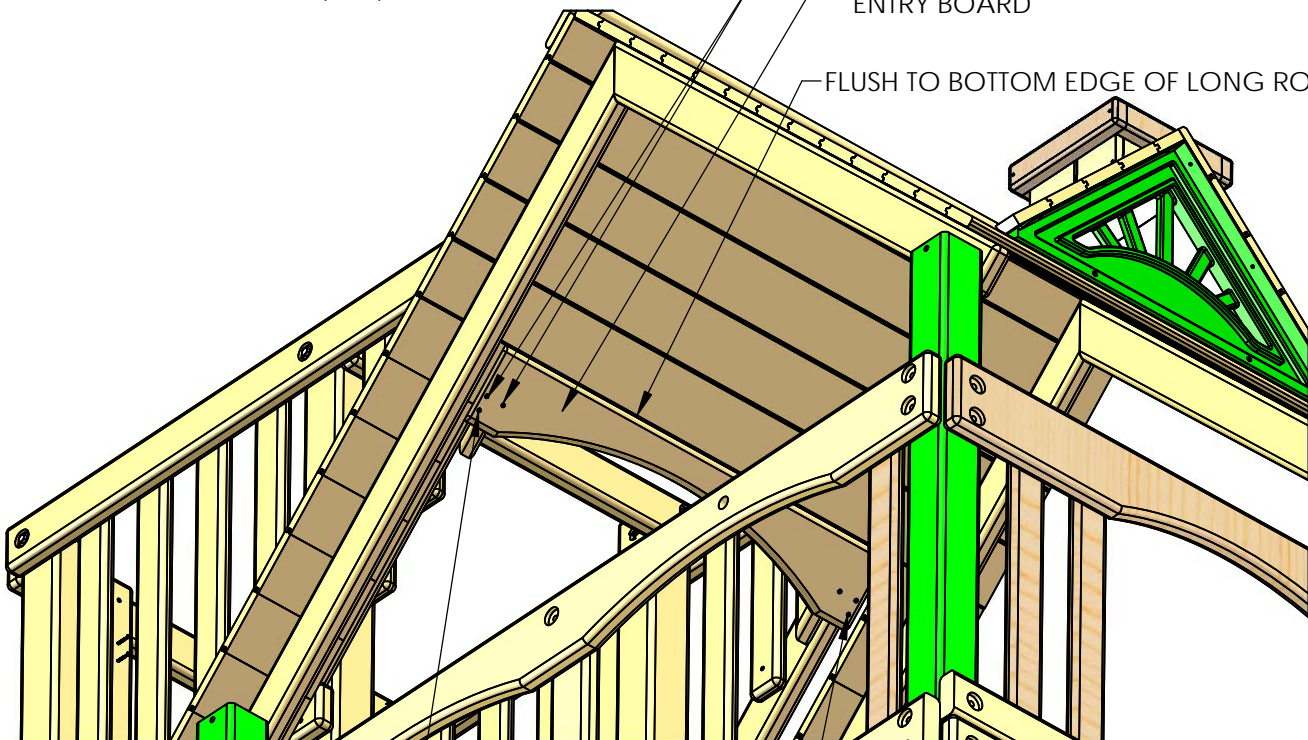


#8 X 2" WOOD SCREWS  
(TOP)

1542H

ENTRY BOARD

FLUSH TO BOTTOM EDGE OF LONG ROOF BOARD.



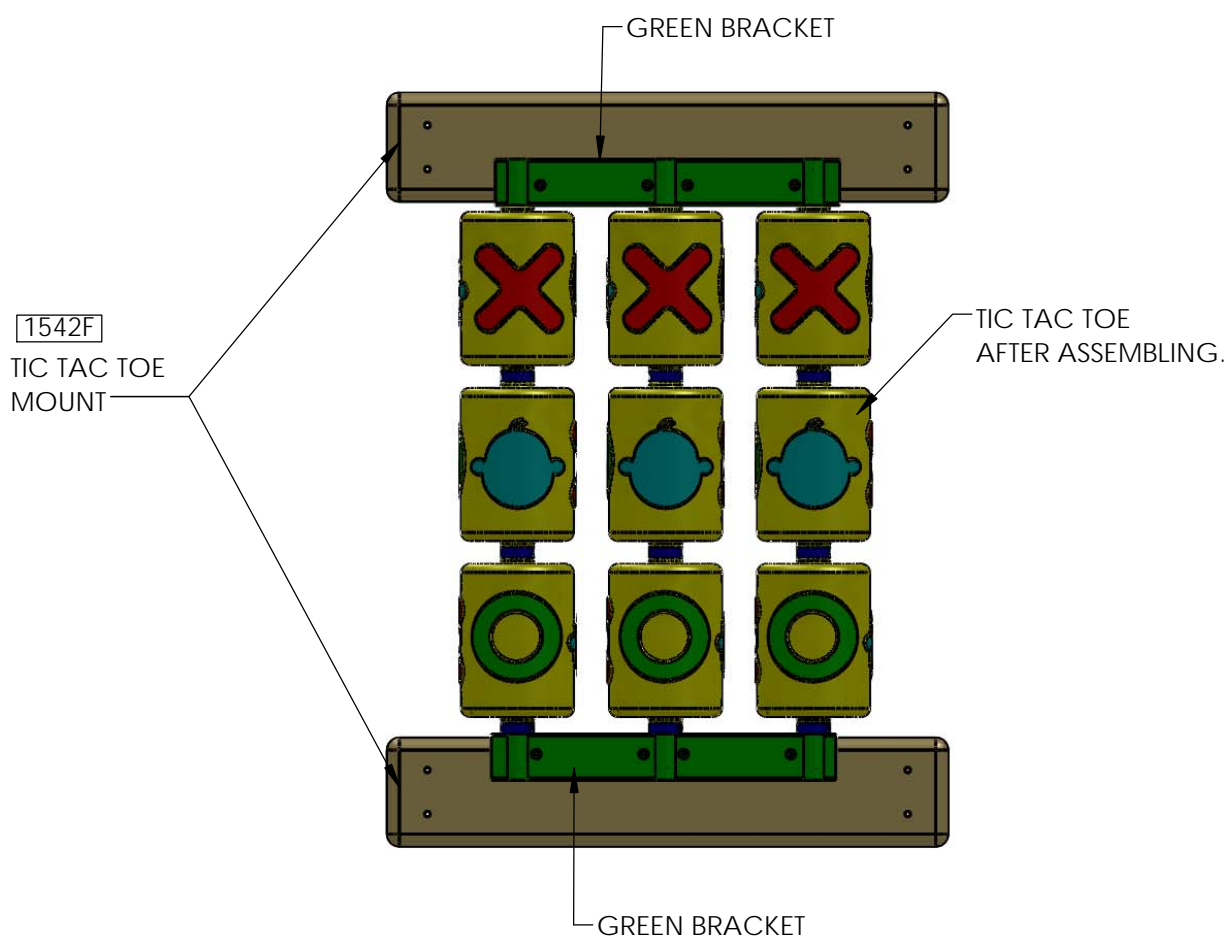
#8 X 2-1/2" WOOD SCREW  
(BOTTOM)



## STEP 17A: TIC TAC TOE ASSEMBLY

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

2: USE THE SCREWS INCLUDED WITH THE TIC TAC TOE TO ATTACH THE GREEN BRACKETS TO THE TIC TAC TOE MOUNTS. EACH GREEN BRACKET SHOULD BE CENTERED OVER THE TIC TAC TOE MOUNT. A PHILLIPS SCREWDRIVER OR BIT WILL BE REQUIRED.

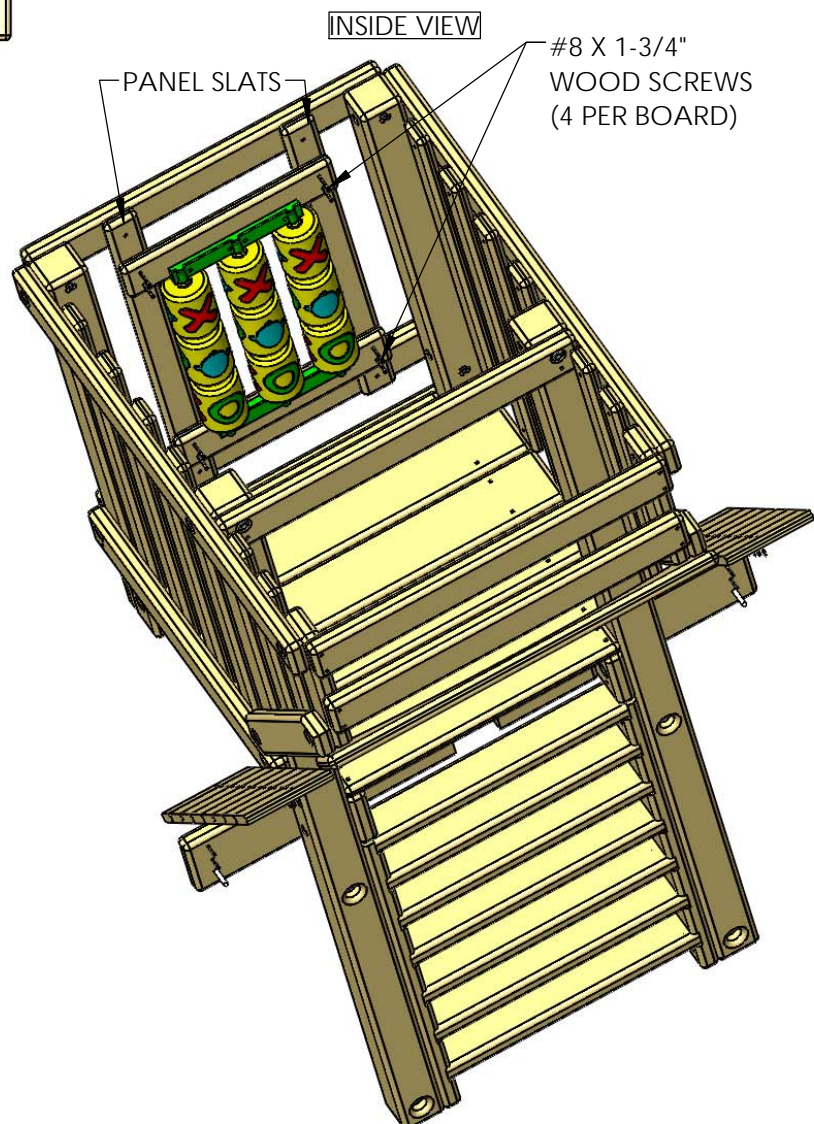
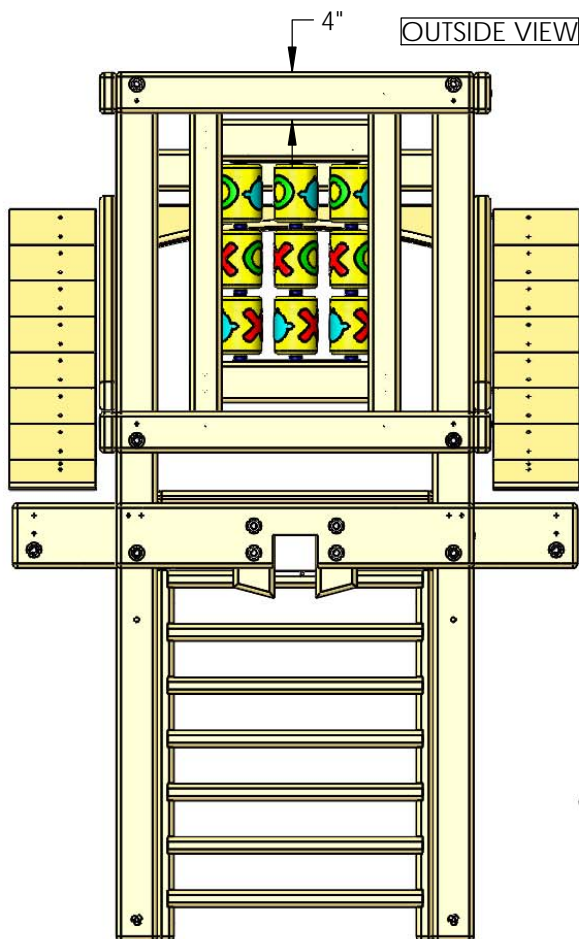


## STEP 17B: TIC TAC TOE ASSEMBLY

1: PLACE THE TIC TAC TOE ASSEMBLY ON THE INSIDE OF THE PANEL SLATS AS SHOWN IN THE BOTTOM IMAGE.

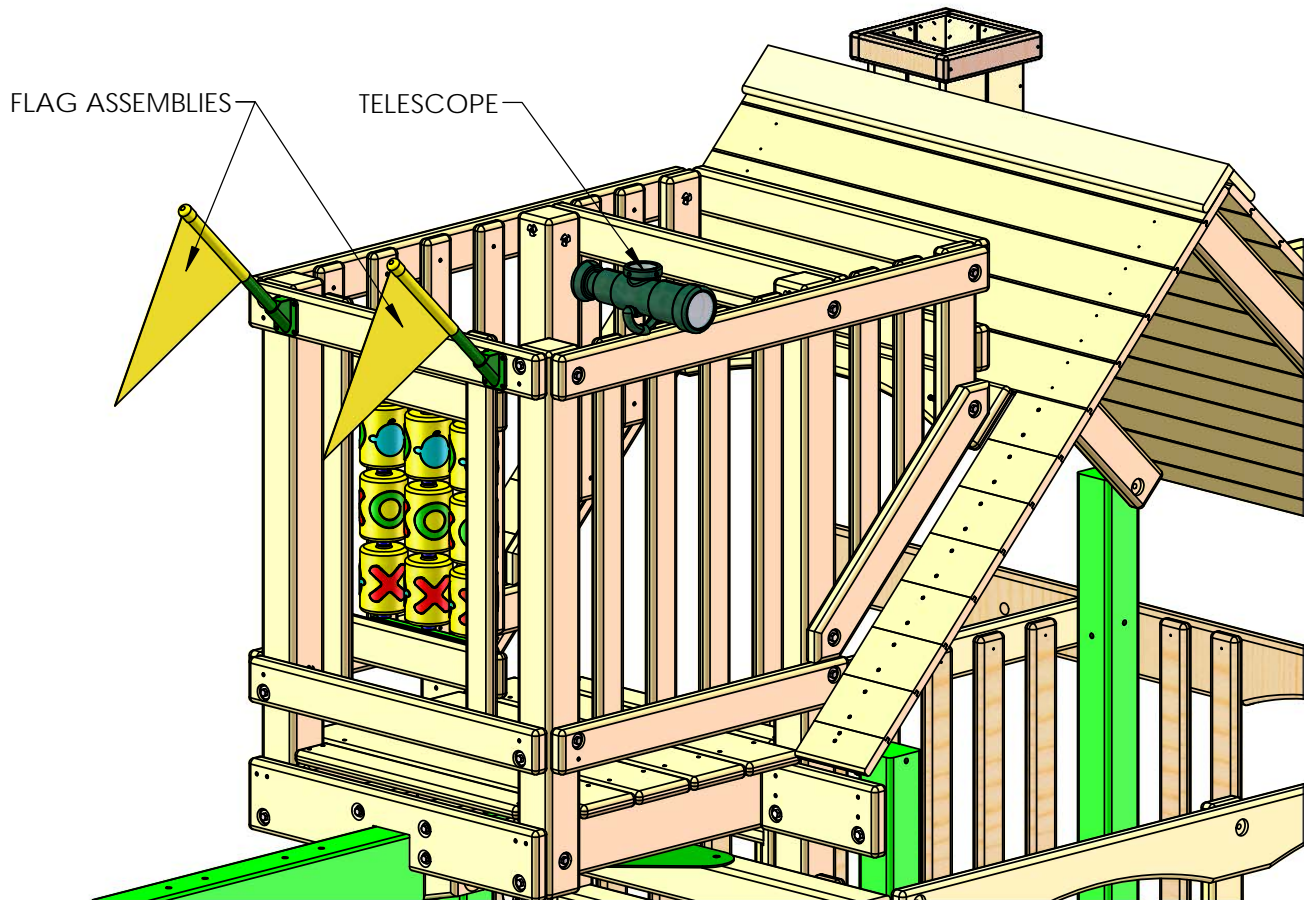
2: PLACE THE TOP OF THE TIC TAC TOE BOARD 4" DOWN FROM THE TOP OF THE PANEL SLAT.

3: FASTEN AS SHOWN.

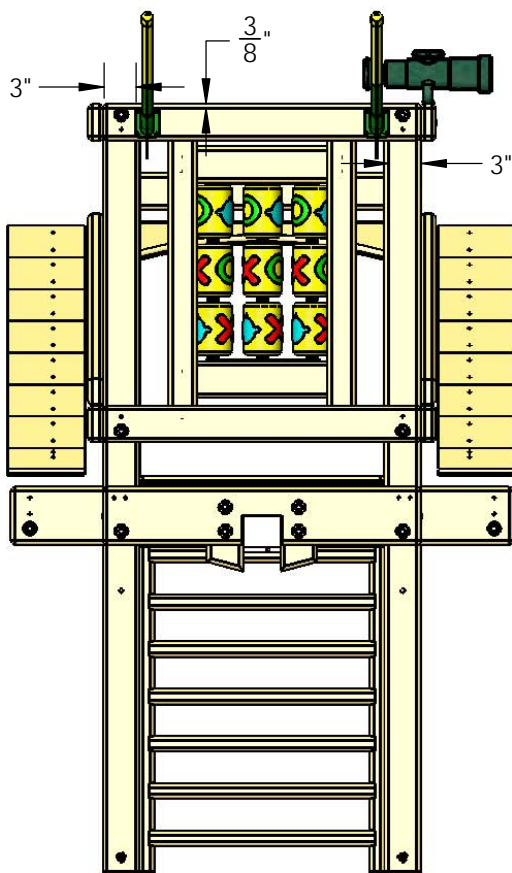


## STEP 18: ACCESSORIES

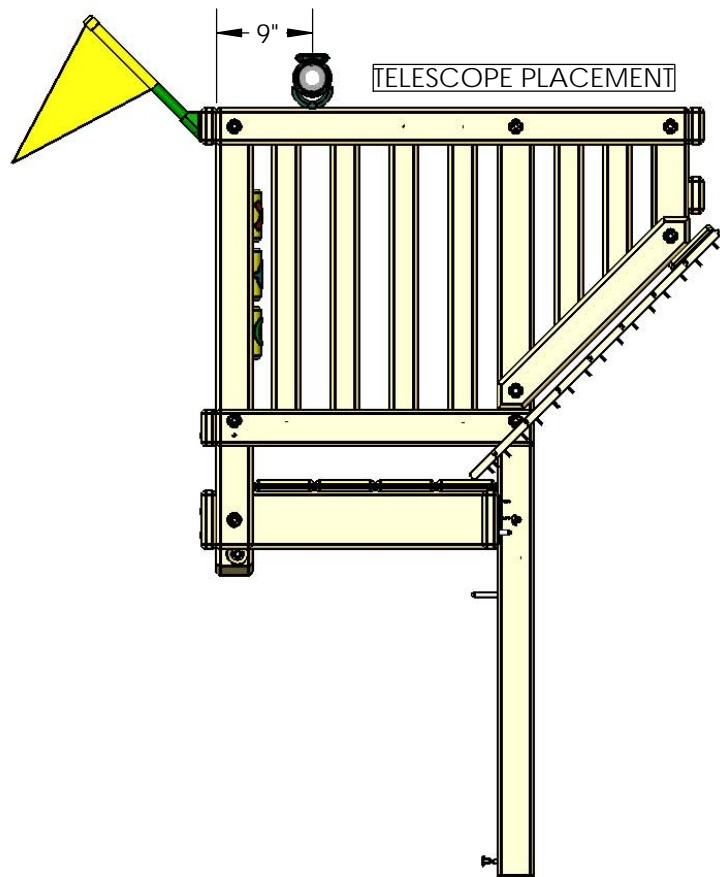
1: INSTALL THE ACCESSORIES BELOW USING THE INSTRUCTIONS INCLUDED WITH THEM FOR ASSEMBLY. USE THE BOTTOM IMAGES BELOW FOR PLACEMENT.



## FLAG PLACEMENT



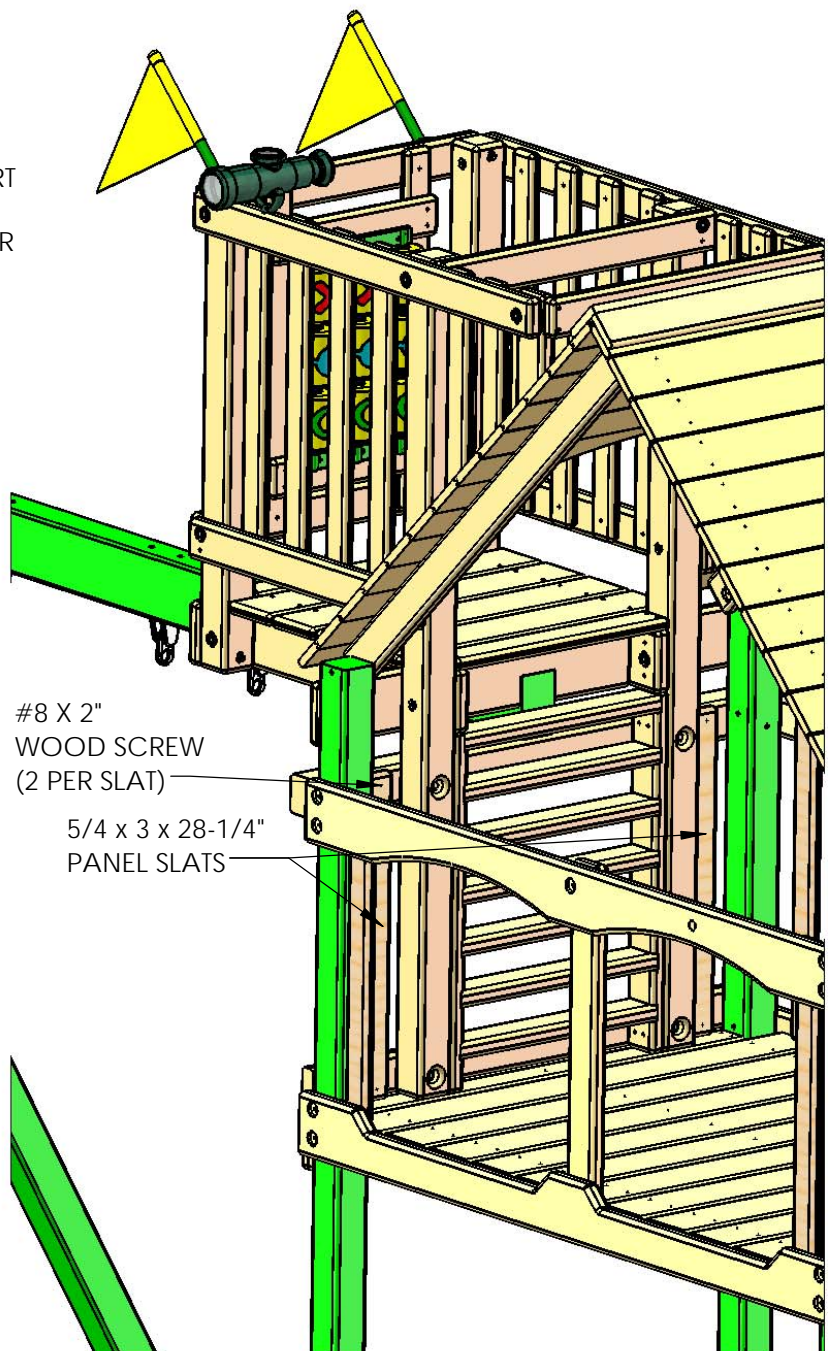
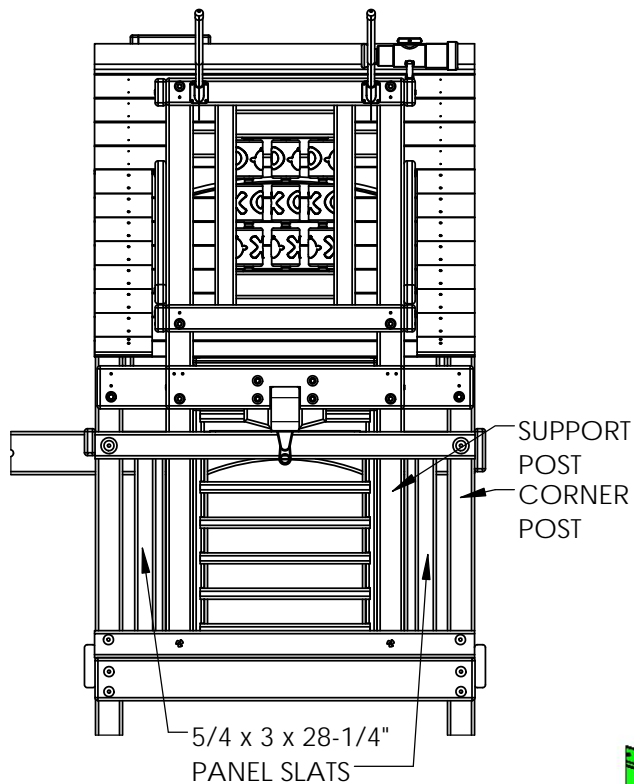
## TELESCOPE PLACEMENT





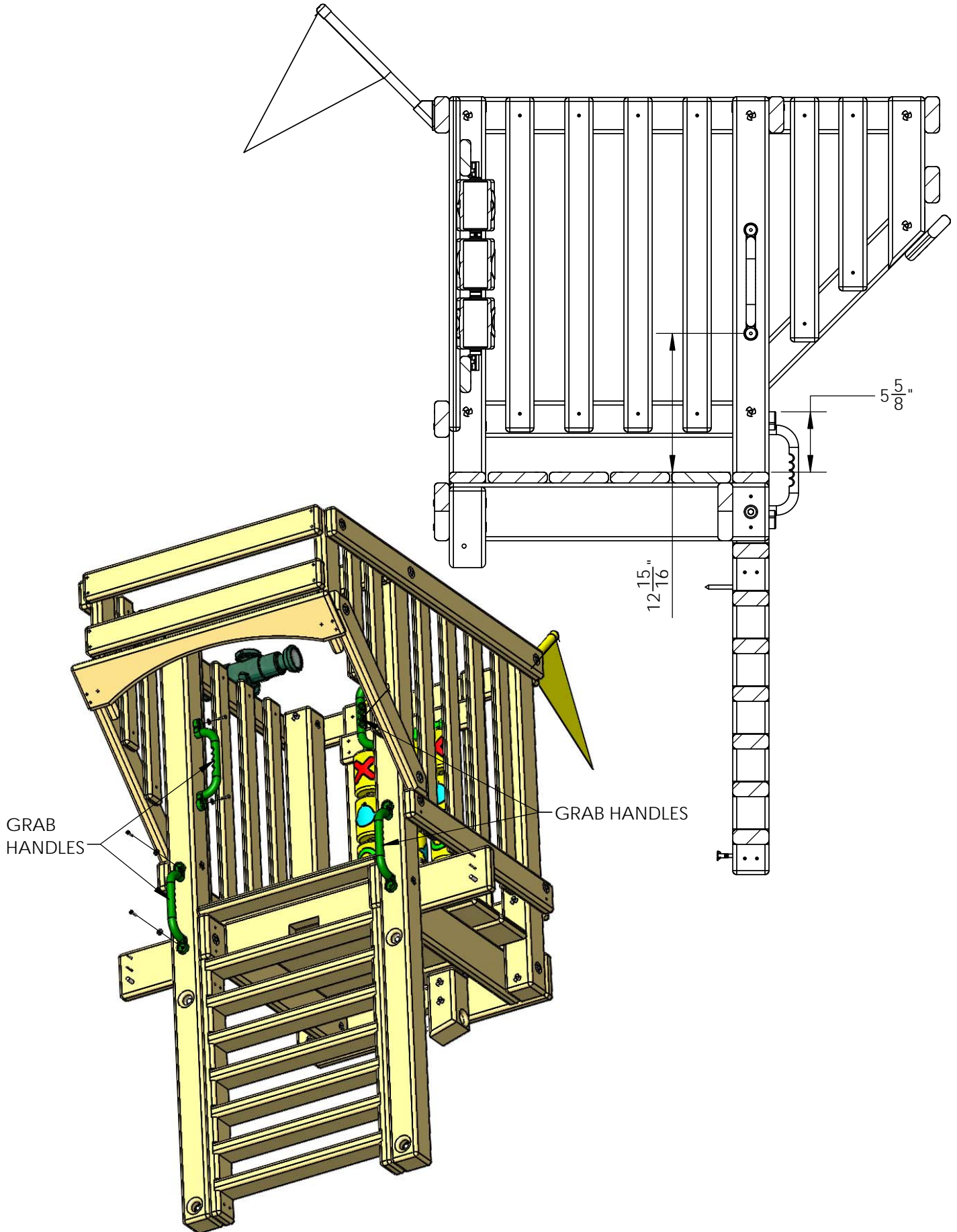
## STEP 19: PANEL SLATS AT DECK

- 1: LOCATE THE 5/4 X 3 X 28-1/4" PANEL SLATS FROM THE MAIN PLAYSET PARTS BOXES.
- 2: EQUALLY SPACE A PANEL SLAT BETWEEN THE CORNER POST AND THE SUPPORT POST ON EACH SIDE.
- 3: FASTEN EACH SLAT WITH #8 X 2" WOOD SCREWS..



## STEP 20: GRAB HANDLES

1: PLACE THE GRAB HANDLES AS SHOWN AND FASTEN THEM WITH THE HARDWARE THAT IS INCLUDED WITH THEM.

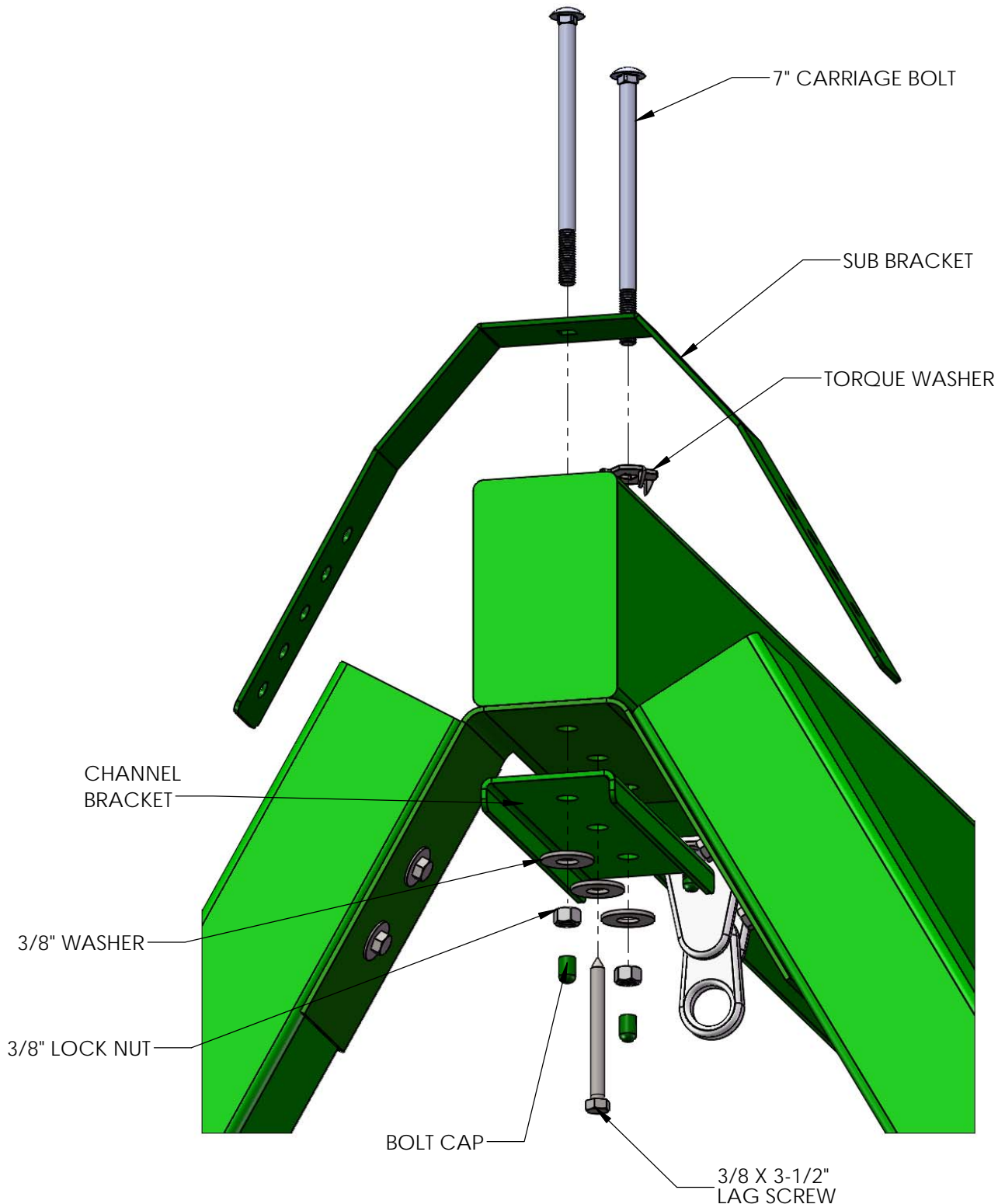


## STEP 21: MOUNT SWING BEAM TO SWING BEAM LEGS

1: FASTEN THE SWING BEAM TO THE SWING BEAM BRACKET USING 7" CARRIAGE BOLTS WITH ONE TORQUE WASHER AND THE SUB BRACKET ON TOP OF THE SWING BEAM, AND THE CHANNEL BRACKET, 3/8" LOCK NUTS WITH 3/8" WASHERS FROM UNDERNEATH.

2: PREDRILL AN 11/64" HOLE THROUGH THE CENTER HOLE IN THE SWING LEG BRACKET. USE A 3/8 X 3-1/2" LAG SCREW WITH 3/8" WASHER FOR THE HOLE IN THE CENTER OF THE SWING BEAM BRACKET.

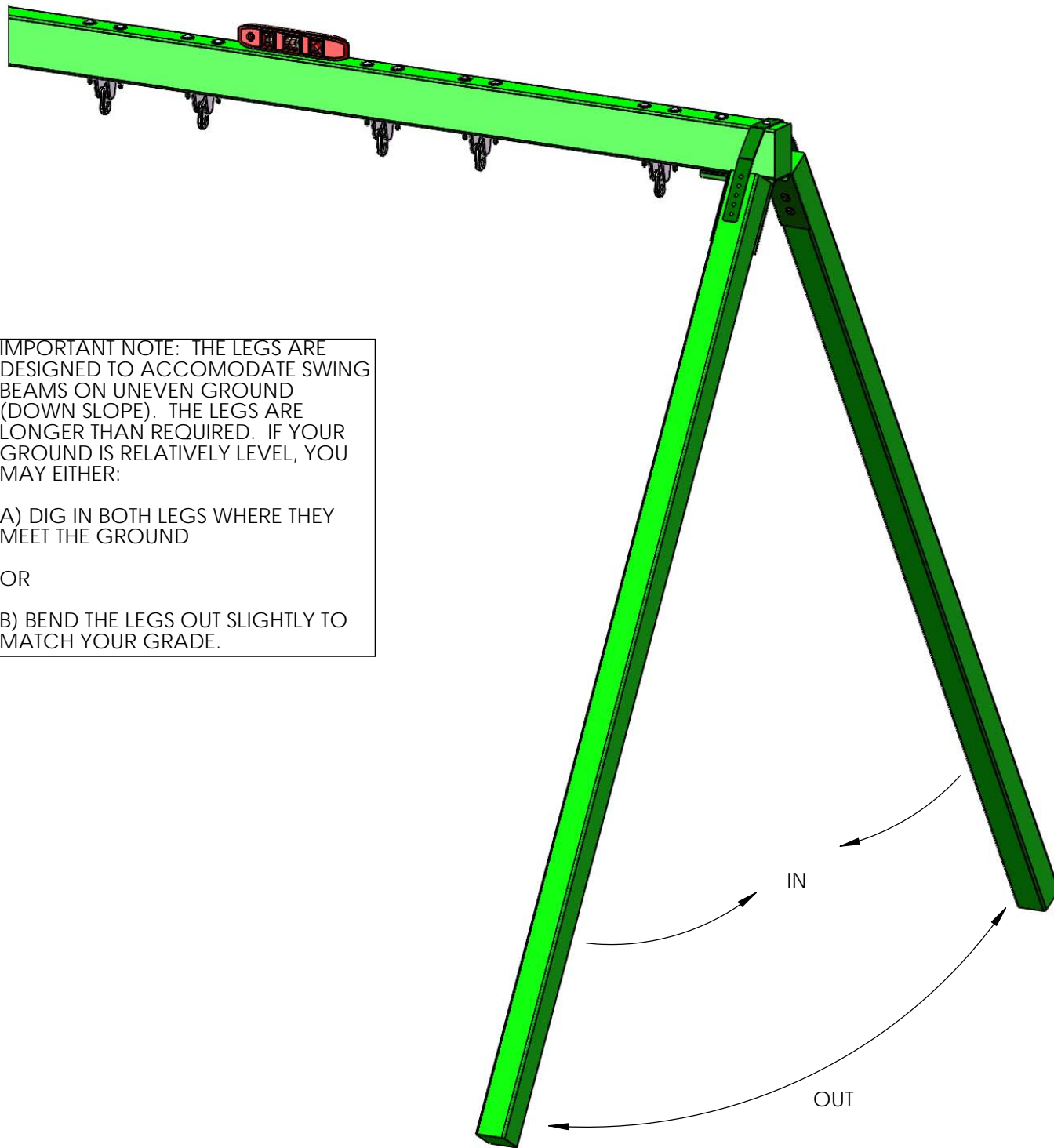
3: PLACE A BOLT CAP OVER ANY EXPOSED THREADS.





## STEP 22: LEVEL SWING BEAM

1: PLACE A LEVEL ON TOP OF THE SWING BEAM AND ADJUST THE BEAM LEGS IN OR OUT AS NEEDED TO MAKE THE SWING BEAM LEVEL.



IMPORTANT NOTE: THE LEGS ARE DESIGNED TO ACCOMODATE SWING BEAMS ON UNEVEN GROUND (DOWN SLOPE). THE LEGS ARE LONGER THAN REQUIRED. IF YOUR GROUND IS RELATIVELY LEVEL, YOU MAY EITHER:

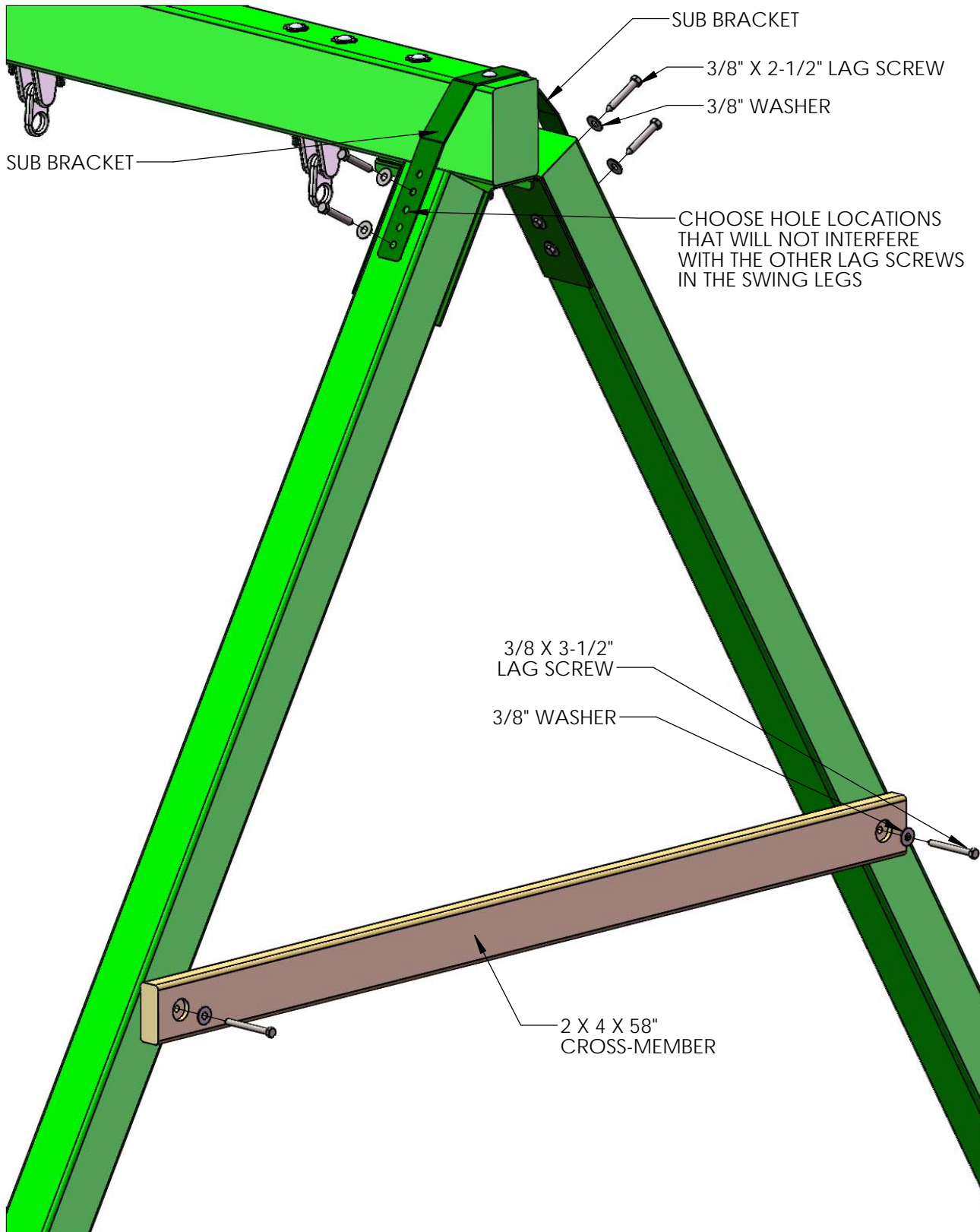
A) DIG IN BOTH LEGS WHERE THEY MEET THE GROUND

OR

B) BEND THE LEGS OUT SLIGHTLY TO MATCH YOUR GRADE.

## STEP 23: SWING LEG CROSS-MEMBER

- 1: POSITION THE 2 X 4 X 58" SWING LEG CROSS-MEMBER AGAINST THE SWING BEAM LEGS.
- 2: LEVEL CROSS-MEMBER AND MARK THE LOCATION OF THE SECURING HOLES INSIDE THE CROSS-MEMBER HOLES.
- 3: USE 3/8 X 3-1/2" LAG SCREWS WITH 3/8" WASHERS TO SECURE THE CROSS-MEMBER TO THE SWING BEAM LEGS.
- 4: CHOOSE TWO HOLES IN THE SUB BRACKET THAT DO NOT INTERFERE WITH THE OTHER LAG SCREWS IN THE SWING LEG. DRILL 11/64" HOLES BY 2-1/2" DEEP INTO 2 HOLES IN THE SUB BRACKET. INSTALL TWO 3/8" X 2-1/2" LAG SCREWS WITH WASHERS. REPEAT ON THE OTHER SIDE OF THE SUB BRACKET.



Wood Kits & Hardware		Accessories & Straight Slide in 1 box OR packaged individually		Tube Slide	Manual
Wood Kits	Hardware Kits	Accessories	Slide		
1501 99-1031	1501- Hardware Kit 11-0031	1500A 71-5001 Box	10' Alpine SP 2600	5'Quick Connect Turbo 03-0031-G  Note: slide could be in large box with accessories OR it could be separate/individually bagged.	Wilderness Gym Treehouse with Sky Loft 51-1127 Model 1500JWFSL
1503N 99-1033	1503N - Hardware Kit 11-0033	1500B 71-5002 Box			
1509N 99-1039	1509N - Hardware Kit 11-0071	1500D 71-5004 Box			
1509W 99-1075	1509W - Hardware Kit 11-0068	1500E 71-5005 Box			
1512 99-1042	1512- Hardware Kit 11-0042	1500G 71-5007 Box			
1512A 99-2031	1512A- Hardware Kit 11-0126	1500H 71-5008 Box			
1525 99-1069	1525 - Hardware Kit 11-0066	Note: accessories could be individually packed within the straight slide box			
1542 99-2028	1542 - Hardware Kit 11-0115				
1519 99-1058	Note: playset assembly hardware may be in: 1) the large slide box (with straight slide), 2) an additional box or 3) inside the wood kit				
1520(X2) 99-1055					
1522 99-1057					
1530 01-3006					

71-5001	1500A	Qty	71-5004	1500D	Qty
10-1008	Rope - 3/4" Green- 13' Cut (R	3.000	07-0013	Window - No Crown	2.000
04-0039-G/Y	Extra Duty Swing Belt Assembly	2.000	71-5005 Qty		
04-0006-G/Y	Trapeze Assembly w/ Rings - Gr	1.000	07-0005-G	Safety Handles - Green - Pair	2.000
07-0040-G/Y	Telescope w/ Compass - Green/Y	1.000	09-1014-Y	Flag & Base - Yellow	1.000
07-0004-G	Steering Wheel - 3 spoke - Gr	1.000	09-1014-G	Flag & Base - Green	1.000
07-0005-G	Safety Handles - Green - Pair	1.000	11-5017	Sub Bracket	1.000
07-0008-G	Rocks - 5 Pack - Green	2.000	11-2027	Sub Bracket Hardware Kit	1.000
07-0010	KC TIC/TAC/TOE-PLAY NATION	1.000	71-5007 Qty		
07-0016-P	Ground Stakes - Plastic - Pair	1.000	07-0031	Plastic Dormer Addition / CB T	2.000
09-1014-G	Flag & Base - Green	1.000	71-5008 Qty		
09-1014-Y	Flag & Base - Yellow	1.000	06-2004	Clatter Bridge Mesh Panel, Pair	1.000
10-1007	Rope - 3/4" Green- 10' Cut	1.000	08-1006	Clatterbridge Chain of 8 ft	2.000
11-4003	Spring Clips-8mm	6.000			
11-4012	Ductile - Iron	6.000			
11-4018	LOGO PLATE - GORILLA	1.000			
11-5002	Triangle Plate-Large-Powered C	1.000			
11-5010	A FRAME SWING LEG BRACKET	1.000			
11-5013	90 Degree 2 x 2 Bracket	4.000			
11-5018	Channel Bracket	1.000			
11-5023	Warning Plate	1.000			

71-5002	1500B	Qty
07-0031	Plastic Dormer Addition / CB T	2.000
07-0028-G	Plastic Sunburst - Green	2.000