



# Highlander Wooden Swing Set

Model # 2106017

Owner's Manual & Assembly Instructions

MANUFACTURED BY:  
Backyard Discovery  
3305 Airport Drive  
Pittsburg, KS 66762  
800-856-4445



**INSTALLATION SERVICES AVAILABLE!\***

*Need a helping hand?*

Let our team of professionals handle the installation for you!

**GOCONFIGURE**  
888-888-5424

\*Installation services are only available to U.S. customers.

average 2 person assembly time



sembly time may vary based on skill lev

Before you begin

**FOR QUICK & EASY ASSEMBLY**

FIND 3D INSTRUCTIONS FOR THIS PRODUCT IN

**BILT.**

DOWNLOAD THE FREE APP



For the most up to date assembly manual, to register your set, or to order replacement parts please visit [www.backyarddiscovery.com](http://www.backyarddiscovery.com)

**SAVE THIS ASSEMBLY MANUAL FOR FUTURE REFERENCE IN THE EVENT THAT YOU NEED TO ORDER REPLACEMENT PARTS.**

Para obtener instrucciones en español, visite [www.backyarddiscovery.com](http://www.backyarddiscovery.com) • Pour des instructions en français, visitez [www.backyarddiscovery.com](http://www.backyarddiscovery.com)



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With Go Configure, we bring you 18 years of experience right to your doorstep. We service a wide array of indoor and outdoor recreation products that most consumers don't have the time or ability to deliver & install themselves.

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The store where you made your purchase does not stock parts for this item.

If you have assembly questions or you are missing or have damaged parts, please call

**1-800-856-4445**

you can also visit [www.backyarddiscovery.com](http://www.backyarddiscovery.com)  
or e-mail [customerservice@backyarddiscovery.com](mailto:customerservice@backyarddiscovery.com)

**Please have the following information ready when you make your call:**

- Model Number of the product located on the front of the assembly manual
  - Description of the part from the parts list
- 
- Read entire assembly manual, paying special attention to the important tips and safety information.
  - Ensure there are no missing pieces by first separating and identifying all parts.
  - Make sure to check packing material for small parts that may have fallen out during shipment.
  - Structures are not intended for public use. Any unintended use such as home child care, daycare center, faith center, government facility, home owner's associate, park or school will make the warranty of our product null & void.
  - This manual contains helpful information concerning assembly preparation, installation procedure and required maintenance.
  - Always keep safety in mind as your structure is being built.
  - Keep these instructions for future reference.



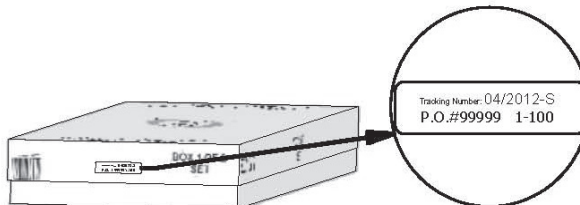
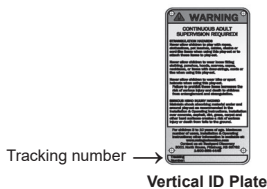
### Please read entire booklet completely before beginning the assembly process

Please retain these instructions and your receipt for future reference. Keep them in a safe place where you can refer to them as needed. In order to provide you with the most efficient service, it is required that you provide us with the part numbers when ordering parts.

#### For Your Records:

Please take time and fill out the information below. This information will be needed for warranty issues.

Where Purchased: \_\_\_\_\_  
 Date of Purchase: \_\_\_\_\_  
 Installation Date: \_\_\_\_\_  
 Installed by: \_\_\_\_\_  
 Tracking Number: \_\_\_\_\_



#### Tracking Number Reference Label

Tracking ID number on the carton and on the bottom of the vertical ID plate are included for tracking purposes associated with warranty claims.

This Limited Warranty by Backyard Discovery applies to products manufactured under the Backyard Discovery brand or its other brands including but not limited to Backyard Botanical, Adventure Playsets, and Leisure Time Products.

Backyard Discovery warrants that this product is free from defect in materials and workmanship for a period of one (1) year from the original date of purchase. This one (1) year warranty covers all parts including wood, hardware, and accessories. All wood carries a five (5) year pro-rated warranty against rot and decay. Refer to the schedule below for charges associated with replacement of parts under this Limited Warranty. In addition, Backyard Discovery will replace any parts within the first 30 days from date of purchase found to be missing from or damaged in the original packaging.

This warranty applies to the original owner and registrant and is non-transferable. Regular maintenance is required to assure maximum life and performance of this product. Failure by the owner to maintain the product according to the maintenance requirements may void this warranty. Maintenance guidelines are provided in the Owner's Manual.

This Limited Warranty does not cover:

- Labor for any inspection
- Labor for replacement of any defective item(s)
- Incidental or consequential damages
- Cosmetic defects which do not affect performance or integrity of a part or the entire product
- Vandalism, improper use, failure due to loading or use beyond the capacities stated in the applicable Assembly Manual.
- Acts of nature including but not limited to wind, storms, hail, floods, excessive water exposure
- Improper installation including but not limited to installation on uneven, unlevel, or soft ground
- Minor twisting, warping, checking, or any other natural occurring properties of wood that do not affect performance or integrity

Backyard Discovery products have been designed for safety and quality. Any modifications made to the original product could damage the structural integrity of the unit leading to failure and possible injury. Modification voids any and all warranties and Backyard Discovery assumes no liability for any modified products or consequences resulting from failure of a modified product.

This product is warranted for RESIDENTIAL USE ONLY. Any unintended use such as home child care, daycare center, faith center, government facility, home owner's associate, park or school will make the warranty of our product null & void.

#### Pro Rated Part Replacement Schedule

<u>Product Age</u>	<u>Customer Pays</u>
<b>All Parts</b>	
0-30 days from date of purchase	\$0 and free shipping
31 days to 1 year	\$0 + S&H
<b>Wood Rot and Decay Only</b>	
1 year	\$0 and free shipping
2 year	20% + S&H
3 year	40% + S&H
4 year	60% + S&H
5 year	80% + S&H
Over 5 years	100% + S&H



### NOTE:

#### Your Children's Safety Is Our #1 Concern!

Observe the following statements and warnings to reduce the likelihood of serious or fatal injury. Please review these safety rules regularly with your children.



### WARNING: BURN HAZARD

- Pay special attention to plastic and metal surfaces as they may be hot enough to cause burns.
- Always check the temperature of the product before letting your children play on it.
- Remember that the product may cause burns if left in direct sunlight.
- Always be aware of the sun and weather conditions, and do not assume that the equipment is safe because the air temperature is not very high.

- Children **MUST NOT** use this playcenter until unit has been completely assembled and inspected by an adult to ensure set has been properly installed and anchored.
- Equipment is recommended for use by children 3 to 10 years of age.
- This Playcenter is designed for a specific number of occupants whose combined weight should not exceed the designated weight on the elevated floor or the swing area. The total unit capacity is outlined in the Basic Setup Dimensions section of instruction manual. The maximum fall height and recommended play area is also available in the Basic Setup Dimensions section of the manual.
- On-site, continuous adult supervision is **REQUIRED. MOST SERIOUS INJURIES AND DEATHS ON PLAYGROUND EQUIPMENT HAVE OCCURRED WHILE CHILDREN WERE UNSUPERVISED!**
- **DO NOT** allow children to walk close to, in front of, behind, or between moving swings or other moving playground equipment.
- **DO NOT** let children stand on swings.
- Children should **NOT** twist the chains and ropes and should not loop them over the top support bar, this could reduce the strength of the chain or rope.
- **DO NOT** let children push empty seats. The seat could hit them and cause serious injury.
- Instruct and teach children to sit in the center of the swings with their full weight on the seats.
- **DO NOT** allow children to use the equipment in a manner other than intended.
- Instruct children **NOT** to get off equipment while it is in motion.
- Instruct children to **ALWAYS** go down slides feetfirst. Never slide headfirst.
- Instruct children to **LOOK** before they slide to make sure no one is at the bottom.
- **DO NOT** allow children to run up a slide, as this increases their chances of falling.
- **DRESS CHILDREN APPROPRIATELY.** (Examples would include wearing well-fitting shoes and the avoidance of ponchos, scarfs, and other loose-fitting clothing that is potentially hazardous while using equipment).
- **DO NOT** allow children to climb when the equipment is wet.
- Children should **NEVER** jump from a fort deck. They should always use the ladder, ramp or slide.
- Children should **NEVER** be allowed to crawl or walk across the top of monkey bars.
- **DO NOT** allow children to crawl on top of a fort roof.
- Verify that any suspended climbing ropes, chain, or cable are secured at both ends and that they cannot be looped back on themselves as to create an entanglement hazard.
- **DO NOT** let children attach items to the playground equipment that are not specifically designed for use with the equipment. Items such as, but not limited to, jump ropes, clothesline, pet leashes, cables and chain can cause a strangulation hazard.
- Children should **NEVER** wrap their legs around swing chain.
- **DO NOT** allow children to slide down the swing chain.
- Instruct children to remove their bike or other sports helmet before playing on playground equipment.
- **NEVER** add extra length to chain or rope. The chains or ropes provided are the maximum length designed for the swinging element(s).

### Modifications

- Modifications made by the consumer to the original activity toy shall be carried out according to the instructions of the manufacturer. In particular, instructions shall be provided with kit/accessory about the installation of rope/nets concerning the minimum diameter, the need for fixation at both ends, overall length, and positioning in relation to other structures.



### Positioning Your Playcenter

- The playcenter is designed to be installed on a level surface by an adult with an adult helper. Place in a flat area of your yard to minimize ground preparation.
- Choose a level location for the equipment. This can reduce the likelihood of the play set tipping over and loose-fill surfacing material washing away during heavy rains.
- Place the equipment not less than 6'-7" (2.0 m) from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines, or electrical wires.
- Provide enough room so that the children can use the equipment safely. For example, for structures with multiple play activities, a slide should not exit in front of a swing.
- It is a good idea to place your playcenter in an area that is convenient for adults to watch children at play.
- Create a site free of obstacles that could cause injuries – such as low overhanging tree branches, overhead wires, tree stumps and/or roots, large rocks, bricks and concrete. Additional suggestions in the Suggested Playground Surfacing Section.
- Do not build your playset on top of surfacing material.
- Locate bare metal platforms and slides out of direct sunlight to reduce the likelihood of serious burns. A slide that faces north will receive the least direct sunlight.
- Separate active and quiet activities from each other. For example, locate sandboxes away from swings or use a guardrail or barrier to separate the sandbox from the movement of the swings.

### Suggested Playground Surfacing

- Do not install home playground equipment over concrete, asphalt, packed earth, grass, carpet, or any other hard surface. A fall onto a hard surface can result in serious injury to the equipment user.
- Do not install loose fill surfacing over hard surfaces such as concrete or asphalt.
- Shredded bark mulch, wood chips, fine sand and fine gravel, are added as shock absorbing materials after assembly. If used properly these materials can absorb some of the impact of a child's fall.
- All surface material should extend a minimum of 6'-7" (2.0 m) feet in all directions around the play area.
- Do not apply playground surfacing until after the unit is completely constructed. Playset should not be built on top of surfacing.
- Use containment, such as digging out around the perimeter and/or lining the perimeter with landscape edging.
- Installations of rubber tiles or poured-in-place surfaces (other than loose-fill materials) generally require a professional and are not "do-it-yourself" projects.
- Shall use Playground Surfacing Materials (other than loose-fill material) which comply with the safety standard ASTM F1292 Standard Specification of Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment.
- Anchors shall be placed as instructed to reduce tipping hazards.

The following chart explains the fall height in feet from which a life threatening head injury would not be expected

### Critical Heights in feet (m) of Tested Materials

Material	Uncompressed Depth			Compressed Depth to 9" (228mm)
	6" (152mm)	9" (228mm)	12" (304mm)	
Wood Chips	7' (2.13m)	10-12' (3.0-3.6m)	11' (3.35m)	10' (3.05m)
Double-Shredded Bark Mulch	6' (1.83m)	10-12' (3.0-3.6m)	11' (3.35m)	7' (2.13m)
Engineered Wood Fibers	6' (1.83m)	7' (2.13m)	>12' (3.66m)	6' (1.83m)
Fine Sand	5' (1.52m)	5' (1.52m)	9' (2.74m)	5' (1.52m)
Coarse Sand	5' (1.52m)	5' (1.52m)	6' (1.83m)	4' (1.22m)
Fine Gravel	5' (1.52m)	7' (2.13m)	10' (3.05m)	6' (1.83m)
Medium Gravel	5' (1.52m)	5' (1.52m)	6' (1.83m)	5' (1.52m)
Shredded Tires*	10-12' (3.0-3.6m)	N/A	N/A	N/A

\*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.



### APPENDIX A

**The following information is from the United States Consumer Product Safety Commission's Information Sheet for playground surfacing material; also see the following website for additional information: [www.cpsc.gov](http://www.cpsc.gov)**

#### X3. SECTION 4 OF THE CONSUMER PRODUCT SAFETY COMMISSION'S OUTDOOR HOME PLAYGROUND SAFETY HANDBOOK<sup>9</sup>

X3.1 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:

##### X3.1.1 Loose-Fill Materials:

X3.1.1.1 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 overtime. The surfacing will also compact, displace, and settle, and should be periodically refilled to maintain at least a 9-inch depth.

X3.1.2 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.)

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.

X3.1.3 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.

X3.1.3.1 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.

X3.1.3.2 Do not install loose-fill surfacing over hard surfaces such as concrete or asphalt.

X3.1.4 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.

X3.1.4.1 Installations of these surfaces generally require a professional and are not “do-it-yourself” projects.

X3.1.4.2 Review surface specification 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

X3.1.4.3 Check the protective surfacing frequently for wear.

X3.1.5 Placement — Proper placement and maintenance of protective surfacing is essential. Be sure to:

X3.1.5.1 Extend surfacing at least 6 feet from the equipment in all directions.

X3.1.5.2 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.

<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.

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**IT IS IMPORTANT TO CHECK AND TIGHTEN ALL HARDWARE AT THE BEGINNING AND DURING THE SEASON AS THEY MAY LOOSEN DUE TO WOOD EXPANSION AND CONTRACTION.**

### At the beginning of each play season

- Tighten all hardware.
- Lubricate all metallic moving parts per manufacturer's instructions.
- 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.
- Check metal parts for rust. If found, sand and repaint using a non lead-based paint meeting the requirements of 16 CFR 1303.
- Check all wood members for deterioration and splinters. Sand down splinters and replace deteriorating wood members.
- 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.

### Twice a month during play season

- Tighten all hardware.
- Check all protective coverings on bolts, pipes, edges, & 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.

- Lubricate all metallic moving parts per manufacturer's instructions.
- Check all moving parts including swing seats, ropes, cables, and chains for wear, rust, or other deterioration. Replace as needed.

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

- Remove plastic swing seats and other items as specified by the manufacturer 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.

### Additional Maintenance

- Check the swing beam and hardware every two weeks due to wood expansion and contraction. It is particularly important that this procedure be followed at the beginning of each season.
- Inspect wood parts monthly. The grain of the wood sometimes will lift in the dry season causing splinters to appear. Light sand may be necessary to maintain a safe playing environment. Treat your playset with stain regularly, to help prevent severe checking/splitting and other weather damage.
- A waterborne transparent stain has been applied to your playset. This is done for color only. Once or twice a year, depending on your climate conditions, you must apply some type of protection (sealant) to the wood of your unit. Prior to the application of sealant, lightly sand any "rough" spots on your playset. Please note this is a requirement of your warranty.
- Assembling and maintaining the playset on a level location is very important. As your children play, your playset will slowly dig its way into the soil, and it is very important that it settles evenly. Make sure the playset is level and true one each year or at the beginning of each play season.

### Disposal Instructions

When the Playcenter use is no longer desired, it should be disassembled and disposed of in such a way that no unreasonable hazards will exist at the time the unit is discarded.



### Third Party Assembly

- Customer may, in their sole discretion, elect to use a third party person or service to assemble this product. Backyard Discovery assumes no responsibility or liability for any charge incurred by the Customer for any assembly services. Please see our warranty for more information about damaged and missing part replacement coverage. Backyard Discovery will not reimburse Customer for the price of parts purchased.
- Modifications made by the consumer to the original activity toy shall be carried out according to the instructions of the manufacturer. In particular, instructions shall be provided with kit/accessory about the installation of rope/nets concerning the minimum diameter, the need for fixation ends, overall length, and positioning in relation to other at both structures.

**OWNERS SHALL BE RESPONSIBLE FOR MAINTAINING THE LEGIBILITY OF THE WARNING LABELS**



***Your Backyard Discovery structure is designed and constructed of quality materials. As with all outdoor products it will weather and wear. To maximize the enjoyment, safety and life of your structure it is important that you properly maintain it.***

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### About Our Wood

Backyard Discovery uses 100% Cedar (C. Lanceolata) wood. Although we take great care in selecting the best quality lumber available, wood is still a product of nature and susceptible to weathering which can change the appearance of your set.

#### **What causes weathering? Does it affect the strength of my product?**

One of the main reasons for weathering is the effects of water (moisture); the moisture content of the wood at the surface is different than the interior of the wood. As the climate changes, moisture moves in or out of the wood, causing tension which can result in checking and or warping. You can expect the following due to weathering. These changes will not affect the strength of the product:

**1. Checking** is surface cracks in the wood along the grain. A post (4" x 4") will experience more checking than a board (1" x 4") because the surface and interior moisture content will vary more widely than in thinner wood.

**2. Warping** results from any distortion (twisting, cupping) from the original plane of the board and often happens from rapid wetting and drying of the wood.

**3. Fading** happens as a natural change in the wood color as it is exposed to sun-light and will turn grey over time.

#### **How can I reduce the amount of weathering to wood product?**

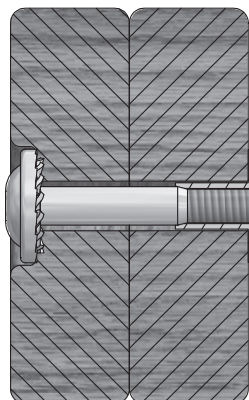
**1.** Your wood product is coated with a water-based stain. Sunlight will break down the coating, so we recommend applying a water repellent or stain on a yearly basis (see your local stain and paint supplier for a recommended product). You must apply some type of protection (sealant) to the wood of your product. **Please note this is a requirement of your warranty.** Most weathering is just the normal result of nature and will not affect safety. However if you are concerned that a part has experienced a severe weathering problem please call our customer service department for further assistance.

**2.** Inspect wood parts monthly. The grain of the wood sometimes will lift in the dry season causing splinters to appear. Light sanding may be necessary to maintain a safe environment. Treating your Product with protection (sealant) after sanding will help prevent severe checking/splitting and other weather damage.



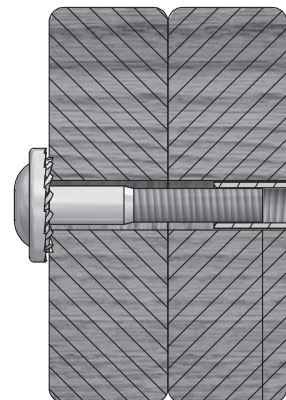
### Protrusion Hazard

### Incorrect



If you see exposed threads and your bolt protrudes beyond the T-Nut you may have over tightened the bolt or used incorrect hardware. If you've overtightened, remove the bolt and add washers to eliminate the protrusion.

### Correct

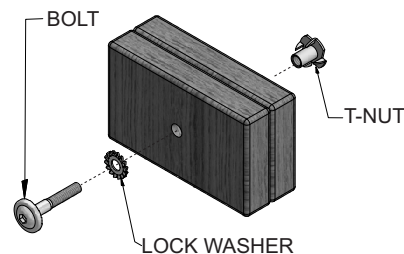


1/8"

## Proper Hardware Assembly

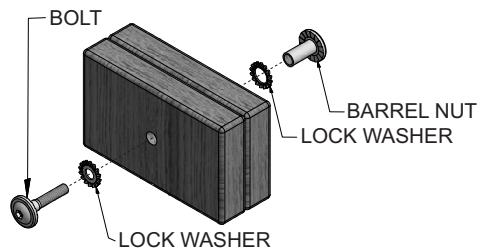
### Bolt and T-Nut Assembly

Tap T-nut into the provided hole. Insert your bolt through the lock washer and insert into the provided hole opposite from the T-Nut. Turn clockwise to thread into T-nut. Do not completely tighten until instructed.



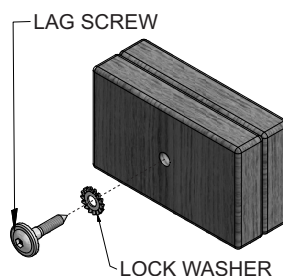
### Bolt and Barrel Nut Assembly

Insert barrel nut through the lock washer and press the pair through the provided hole. Insert your bolt through the second lock washer and insert the pair into the provided hole opposite from the barrel nut. Turn clockwise to thread into the barrel nut. Do not completely tighten until instructed.



### Lag Assembly

Normally there will be a pre-drilled pilot hole on assemblies that require a Lag Screw. If there is no pilot hole, line up the two boards as they are to be attached and use the factory drilled hole as a guide to drill another pilot hole into the adjoining board. This will keep the wood from splitting. Only a lock washer is required for steps with Lag Screws.

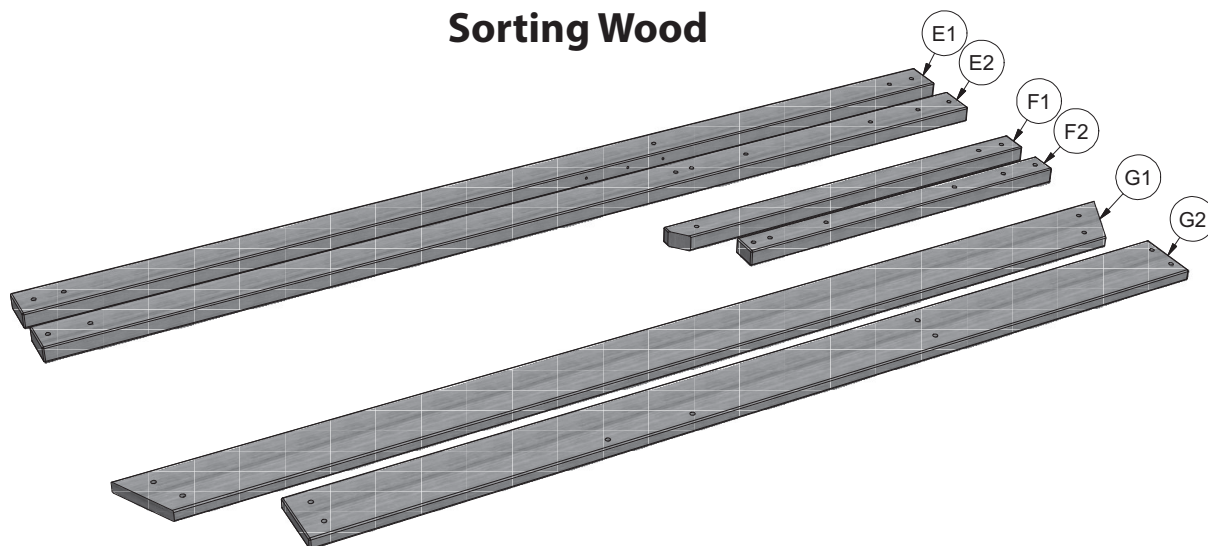




### ASSEMBLY TIP:

Keep an eye out for these boxes which will contain helpful pictures and information making the assembly process as quick and painless as possible.

## Sorting Wood



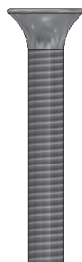
When removing the wood from the boxes we recommend arranging them by part number before you begin assembly. This will allow for faster assembly and easily identify any parts that may be missing or damaged.

## Sorting Hardware

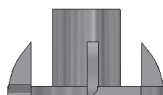
**NUT BARREL**  
H100545



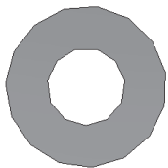
**SCREW**  
H100695



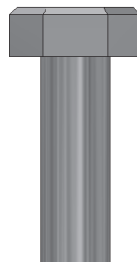
**T-NUT**  
H100699



**WASHER FLAT**  
H100706



**BOLT HEX**  
H100716



**BOLT**  
H100718



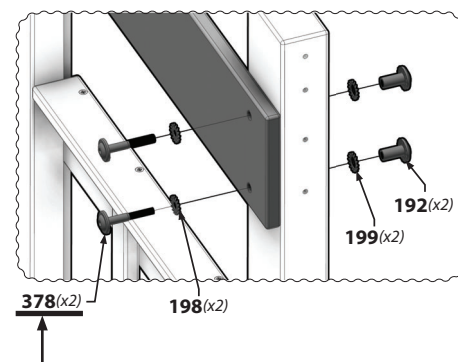
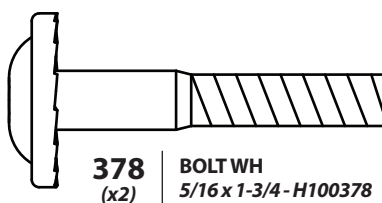
**SCREW PWH**  
H100742

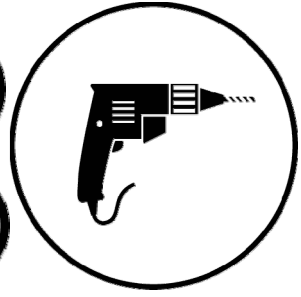
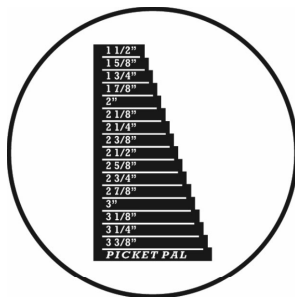
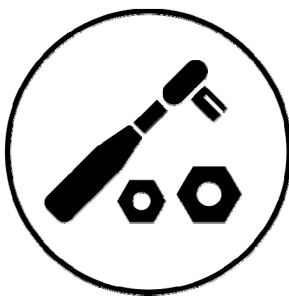
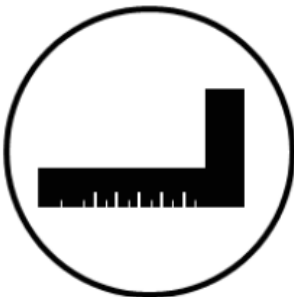
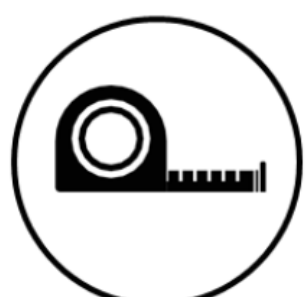
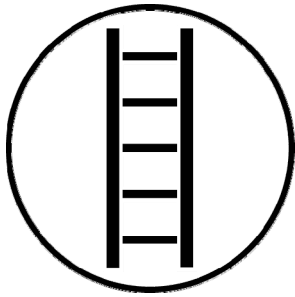


To help with assembly we recommend sorting your hardware bags with the seven digit alpha-numeric number printed on the bags or by hardware type (i.e. bolts, nuts, etc.). Organizing your hardware will make assembly easier.

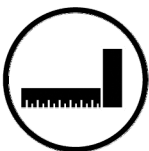
## Hardware Identification

Hardware bags are printed with a seven digit alpha-numeric part number. During assembly you only need to reference the last three digits of the part number as noted in each step. This will make finding the correct hardware easier.





Icons and their uses you will see throughout this manual



You will need to make sure that your assembly is square before tightening your bolts.



For proper assembly you will need to ensure that your structure is level before proceeding to the next step.



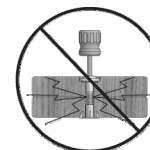
Some steps in the assembly process will require an extra set of hands. Make sure you have a helper available.



This icon shows the size of an open ended wrench. Using the wrench as the fraction bar.



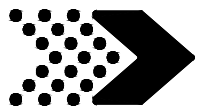
When you see this icon you will need a socket wrench. The icons below show the size of attachments needed for assembly 1/2.



This icon warns you to not over tighten your bolts. This is to prevent structural damage and also splintering your wood.



This icon will show you what drill attachments are needed. For this example you will need a Phillips head attachment and 3/8 socket.



Place the set on level ground, not less than 6'-7" [2 m] from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines, or electrical wires.

- While assembling unit, take time before and after each phase to make sure fort is level. If fort is not level, assembly will be difficult and improper assembly may result. Extra care must be taken to insure the fort is square.
- The safe play area refers to a zone extending 6'-7" (2m) beyond the play product on all sides, including the space above the play product.

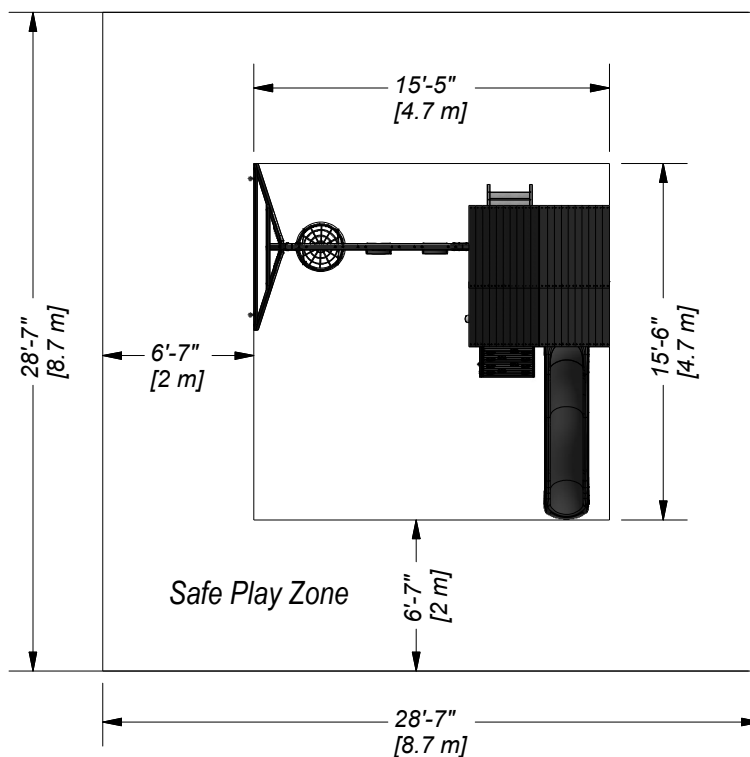
## SAFE PLAY AREA DIAGRAM

### Ground Dimension

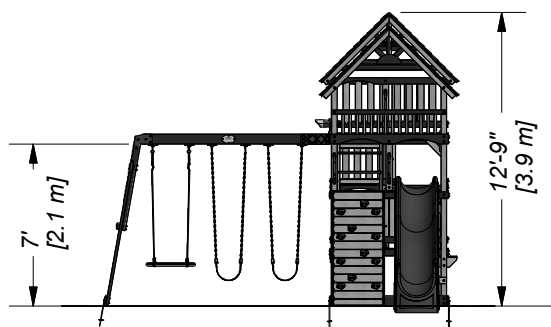
15'-5" [4.7m] x 15'-6" [4.7m]

### Safe Play Area

28'-7" [8.7m] x 28'-7" [8.7m]



**SAFE PLAY HEIGHT: 12'-9" [3.9 m]**  
**MAXIMUM FALL HEIGHT: 7' [2.1 m]**



### General Information:

Your set has been designed and engineered for children only and for residential use only.  
 A maximum of 150 lbs. per child is recommended for play activities designed for individual use.  
 A maximum of 120 lbs. per child is recommended for play activities designed for multiple child use.  
 A maximum of 9 children is recommended for this swing set.



## Wood Components (Not to Scale)



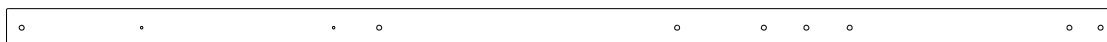
**A1 | SWING BEAM - W4L13989**  
(x1) | 3 3/8"x5 1/4"x89 1/2" (86x134x2274)



**A2 | SB 9" BLOCK - W4L13990**  
(x1) | 3 3/8"x5 1/4"x9" (86x134x228)



**B01 | POST - W4L13900**  
(x1) | 3"x3"x86 7/8" (76x76x2207)



**B02 | POST - W4L13915**  
(x1) | 3"x3"x86 7/8" (76x76x2207)



**B03 | POST - W4L13902**  
(x1) | 3"x3"x86 7/8" (76x76x2207)



**B04 | POST - W2A03074**  
(x1) | 3 1/16"x3"x86 7/8" (78x76x2207)



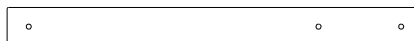
**B05 | POST - W4L13986**  
(x1) | 3"x3"x86 7/8" (76x76x2207)



**B06 | POST - W4L13987**  
(x1) | 3"x3"x86 7/8" (76x76x2207)



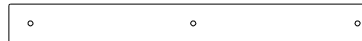
**B07 | POST - W4L13903**  
(x1) | 3"x3"x32" (76x76x814)



**B09 | POST - W4L13904**  
(x2) | 3"x3"x32" (76x76x814)



**B08 | POST - W4L13975**  
(x1) | 3"x3"x32" (76x76x814)



**B10 | POST - W4L13905**  
(x2) | 3"x3"x28 1/2" (76x76x724)



**E01 | ANGLE BRACE - W4L13971**  
(x8) | 1 3/8"x3 3/8"x16 1/2" (36x86x420)



**E02 | LADDER RAIL - W4L13970**  
(x3) | 1 3/8"x3 3/8"x32 3/4" (36x86x831)



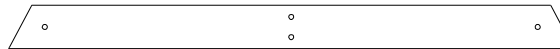
**E03 | LADDER RAIL - W4L13973**  
(x3) | 1 3/8"x3 3/8"x32 3/4" (36x86x831)



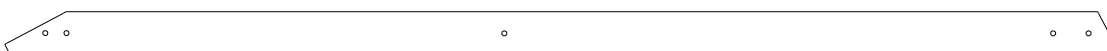
**E04 | ROCK WALL RAIL - W4L13972**  
(x1) | 1 3/8"x3 3/8"x62" (36x86x1575)



**E05 | ROCK WALL RAIL - W4L13976**  
(x1) | 1 3/8"x3 3/8"x63 5/8" (36x86x1575)



**E07 | S.B. END SUPPORT - W4L13992**  
(x1) | 1 3/8"x3 3/8"x44 1/8" (36x86x1120)



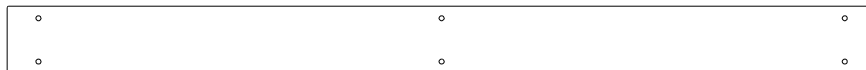
**E06 | S.B. ANGLE BRACE - W4L13993**  
(x2) | 1 7/16"x3 3/8"x87 3/16" (36x86x2214)



Wood Components (Not to Scale)



**F01** | TELESCOPE MOUNT - W4L13974  
(x1) | 1 3/8"x2 3/8"x5 1/4" (36x60x134)



**G01** | GROUND BOARD - W4L13907  
(x1) | 1"x5 1/4"x67 7/8" (24x134x1724)



**G02** | GROUND BOARD - W4L13984  
(x1) | 1"x5 1/4"x86 1/8" (24x134x2187)



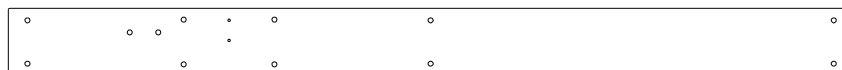
**G03** | GROUND BOARD - W4L13911  
(x2) | 1"x5 1/4"x60" (24x134x1524)



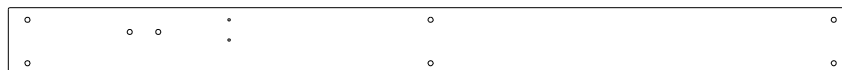
**G04** | GROUND BOARD - W4L13982  
(x1) | 1"x5 1/4"x60" (24x134x1524)



**G05** | WALL RAIL - W4L13910  
(x1) | 1"x5 1/4"x60" (24x134x1524)



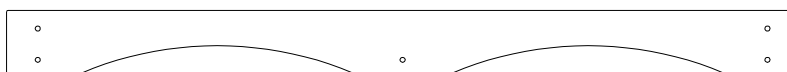
**G06** | FLOOR RAIL - W4L13908  
(x1) | 1"x5 1/4"x66" (24x134x1676)



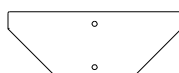
**G07** | FLOOR RAIL - W4L13953  
(x1) | 1"x5 1/4"x66" (24x134x1676)



**G08** | FLOOR RAIL - W4L13912  
(x1) | 1"x5 1/4"x61 7/8" (24x134x1572)



**G09** | WALL RAIL - W4L13909  
(x1) | 1"x5 1/4"x61 7/8" (24x134x1572)



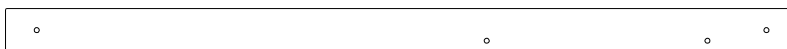
**G10** | PICNIC TABLE SUPPORT - W4L13938  
(x2) | 1"x5 1/4"x13 1/2" (24x134x344)



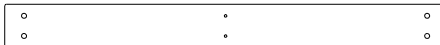
**G11** | GROUND BOARD - W4L13991  
(x1) | 1"x5 1/4"x86 3/4" (24x134x2202)



Wood Components (Not to Scale)



**H01** | RAIL - W4L13926  
(x1) | 1"x3 3/8"x61 7/8" (24x86x1572)



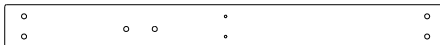
**H02** | RAIL - W4L13985  
(x2) | 1"x3 3/8"x34 1/2" (24x86x876)



**H03** | RAIL - W4L13927  
(x1) | 1"x3 3/8"x61 7/8" (24x86x1572)



**H04** | RAIL - W4L13928  
(x3) | 1"x3 3/8"x60" (24x86x1524)



**H05** | RAIL - W4L13932  
(x2) | 1"x3 3/8"x34 1/2" (24x86x876)



**H06** | RAIL - W4L13983  
(x1) | 1"x3 3/8"x60" (24x86x1524)



**H07** | RAIL - W4L13925  
(x1) | 1"x3 3/8"x61 7/8" (24x86x1572)



**H08** | RAIL - W4L13924  
(x1) | 1"x3 3/8"x61 1/4" (24x86x1556)



**H09** | LADDER RUNG - W4L13939  
(x6) | 1"x3 3/8"x22" (24x86x560)



**H10** | RAIL - W4L13934  
(x1) | 1"x3 3/8"x32 3/4" (24x86x833)



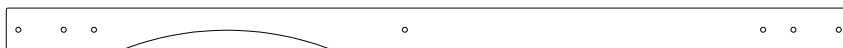
**H11** | RAIL - W4L13937  
(x1) | 1"x3 3/8"x26 7/8" (24x86x681)



**H12** | BENCH - W4L13933  
(x2) | 1"x3 3/8"x32 1/2" (24x86x824)



**H13** | RAIL - W4L13923  
(x1) | 1"x3 3/8"x66" (24x86x1676)



**H14** | RAIL - W4L13922  
(x1) | 1"x3 3/8"x66" (24x86x1676)



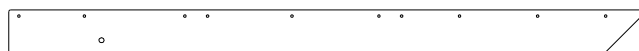
**H15** | RAFTER - W4L13929  
(x4) | 1"x3 3/8"x49 3/4" (24x86x1262)



## Wood Components (Not to Scale)



**H16** | RAFTER - W4L13931  
(x2) | 1"x3 3/8"x49 7/8" (24x86x1268)



**H17** | RAFTER - W4L13930  
(x2) | 1"x3 3/8"x49 7/8" (24x86x1268)



**H18** | RAIL - W4L13935  
(x1) | 1"x3 3/8"x28 3/4" (24x86x731)



**H19** | PICNIC TABLE SEAT - W4L13940  
(x2) | 1"x3 3/8"x15" (24x86x380)



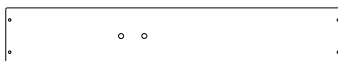
**H20** | PICNIC TABLE SEAT SUPPORT - W4L13941  
(x2) | 1"x3 3/8"x14 1/2" (24x86x368)



**K01** | SUNBURST - W4L13914  
(x2) | 5/8"x5 1/4"x13 1/2" (16x134x344)



**L1** | ROCK WALL BOARD - W4L13916  
(x4) | 5/8"x4 3/8"x26 1/4" (16x112x668)



**L2** | ROCK WALL BOARD - W4L13917  
(x4) | 5/8"x4 3/8"x26 1/4" (16x112x668)



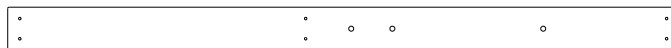
**L3** | ROCK WALL BOARD - W4L13918  
(x5) | 5/8"x4 3/8"x26 1/4" (16x112x668)



**M01** | WALL RAIL - W4L13947  
(x11) | 5/8"x3 3/8"x34 1/2" (16x86x876)



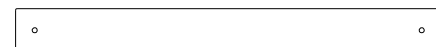
**M02** | WALL RAIL - W4L13943  
(x2) | 5/8"x3 3/8"x61 1/4" (16x86x1556)



**M03** | WALL BOARD - W4L13944  
(x1) | 5/8"x3 3/8"x52 3/8" (16x86x1332)



**M04** | WALL RAIL - W4L13946  
(x2) | 5/8"x3 3/8"x34 1/8" (16x86x868)



**M05** | WALL RAIL - W4L13949  
(x1) | 5/8"x3 3/8"x33 1/4" (16x86x844)



**M06** | WALL BOARD - W4L13952  
(x40) | 5/8"x3 3/8"x23 1/4" (16x86x591)



**M07** | WALL BOARD - W4L13951  
(x8) | 5/8"x3 3/8"x26 5/8" (16x86x677)



**M08** | PICNIC TABLE - W4L13950  
(x4) | 5/8"x3 3/8"x28 1/2" (16x86x724)



**M09** | ROCK WALL BOARD - W4L13920  
(x1) | 5/8"x3 3/8"x26 1/4" (16x86x668)



**M10** | ROCK WALL BOARD - W4L13948  
(x1) | 5/8"x3 3/8"x27 5/8" (16x86x702)



Wood Components (Not to Scale)



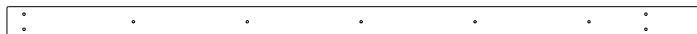
**N01** | WALL RAIL - W4L13954  
(x1) | 5/8"x2 3/8"x55" (16x60x1398)



**N02** | LADDER BACK - W4L13960  
(x6) | 5/8"x2 3/8"x23 1/2" (16x60x596)



**N03** | GABLE BOARD - W4L13956  
(x2) | 5/8"x2 3/8"x34" (16x60x864)



**N04** | ROCKWALL CLEAT - W4L13955  
(x1) | 5/8"x2 3/8"x54 1/2" (16x60x1385)



**N05** | ROCK WALL BOARD - W4L13958  
(x1) | 5/8"x2 3/8"x27 5/8" (16x60x702)



**N06** | PICNIC TABLE SUPPORT - W4L13959  
(x1) | 5/8"x2 3/8"x12 3/8" (16x60x314)



**N07** | UPPER WALL RAIL - W4L13919  
(x1) | 5/8"x2 3/8"x60" (16x60x1524)



**N08** | GABLE BOARD - W4L13961  
(x2) | 5/8"x2 3/8"x16" (16x60x406)



**N09** | GABLE BOARD - W4L13962  
(x4) | 5/8"x2 3/8"x10" (16x60x254)



**N10** | GABLE BOARD - W4L13963  
(x2) | 5/8"x2 3/8"x3" (16x60x76)



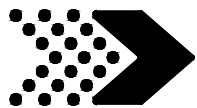
**O2** | WALL BOARD - W4L13921  
(x14) | 5/8"x1 3/8"x14" (16x36x356)



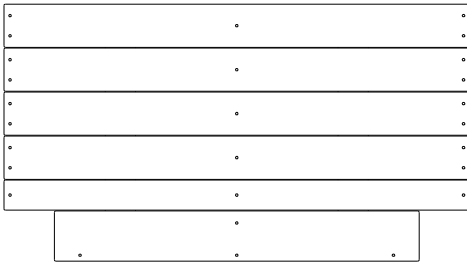
**O70** | SLIDE MOUNTING BOARD - W4L09040  
(x1) | 5/8"x1 3/8"x20 3/8" (16x34x517)



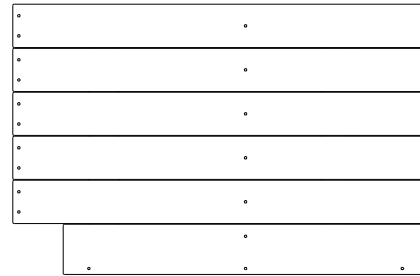
**SP1** | SWING BEAM SUPPORT - W4L13988  
(x1) | 3 3/8"x3 3/8"x49 3/8" (86x86x1254)



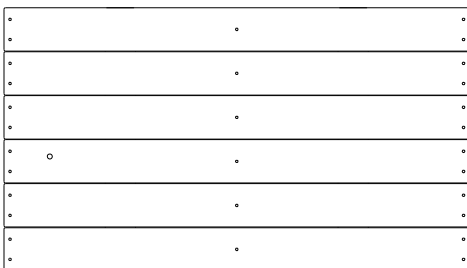
## Wood Components (Not to Scale)



**HH1 | FLOOR PANEL - W2A03079**  
(x2) | 1 1/4"x20 1/8"x36 3/8" (32x510x924)



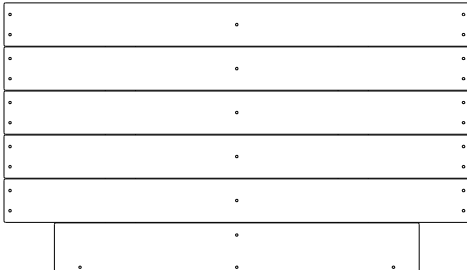
**HH4 | FLOOR PANEL - W2A03075**  
(x1) | 32 7/16"x1 1/4"x21 1/8" (824x32x536)



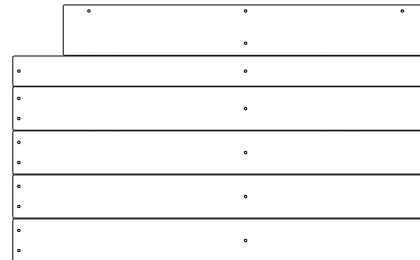
**HH2 | FLOOR PANEL - W2A03080**  
(x1) | 36 3/8"x1 1/4"x20 9/16" (924x32x522)



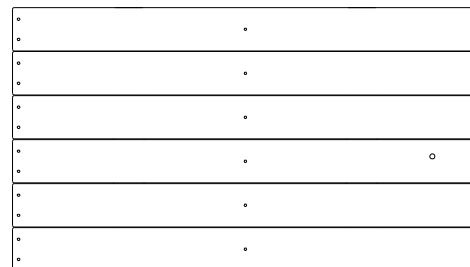
**HH5 | FLOOR PANEL - W2A03076**  
(x2) | 1 1/4"x20 9/16"x32 7/16" (32x522x824)



**HH3 | FLOOR PANEL - W2A03078**  
(x2) | 36 3/8"x1 1/4"x21 1/8" (924x32x536)



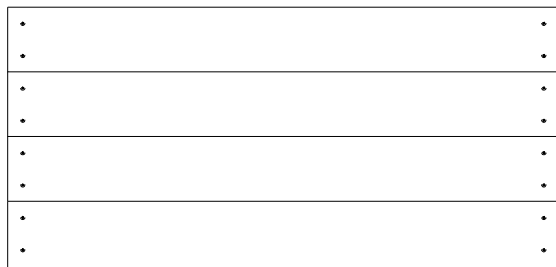
**HH6 | FLOOR PANEL - W2A03077**  
(x1) | 1 1/4"x20 1/8"x32 7/16" (32x510x824)



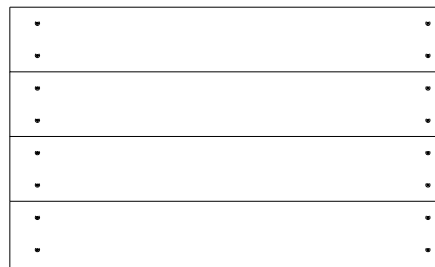
**HH7 | FLOOR PANEL - W2A03087**  
(x1) | 36 3/8"x1 1/4"x20 9/16" (924x32x522)



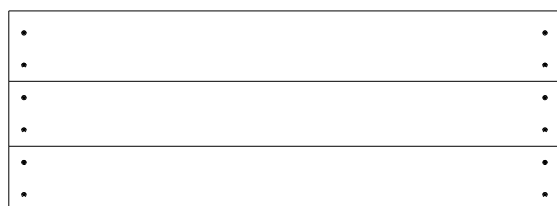
## Wood Components (Not to Scale)



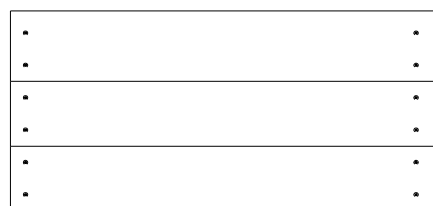
**RP1** | ROOF PANEL - W2A03081  
(x2) | 1 5/8"x20 11/16"x43 1/16" (42x526x1094)



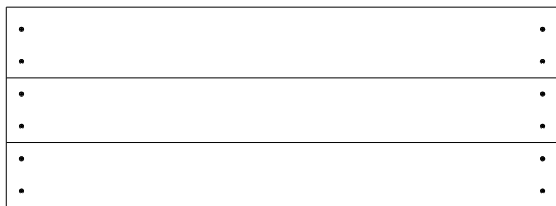
**RP4** | ROOF PANEL - W2A03083  
(x1) | 33 7/8"x1 5/8"x20 11/16" (860x42x526)



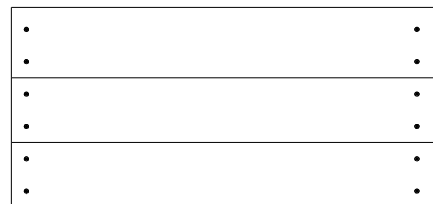
**RP2** | ROOF PANEL - W2A03082  
(x2) | 1 5/8"x15 5/8"x43 1/16" (41x397x1094)



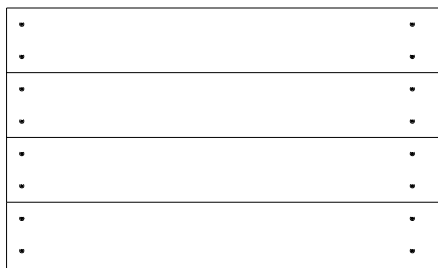
**RP5** | ROOF PANEL - W2A03084  
(x1) | 1 5/8"x15 5/8"x33 7/8" (42x397x860)



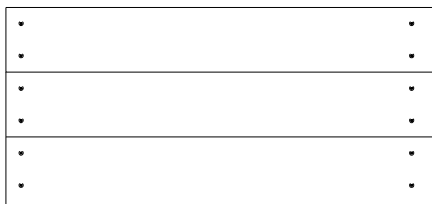
**RP3** | ROOF PANEL - W2A03135  
(x2) | 1 5/8"x15 5/8"x43 1/16" (41x397x1094)



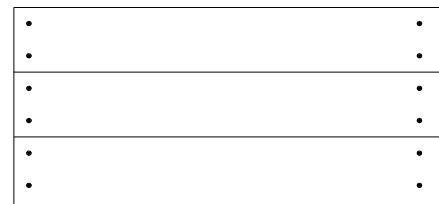
**RP6** | ROOF PANEL - W2A03072  
(x1) | 1 5/8"x15 5/8"x33 7/8" (42x397x860)



**RP7** | ROOF PANEL - W2A03085  
(x1) | 1 5/8"x20 11/16"x33 7/8" (42x526x860)



**RP8** | ROOF PANEL - W2A03086  
(x1) | 1 5/8"x15 5/8"x33 7/8" (42x397x860)



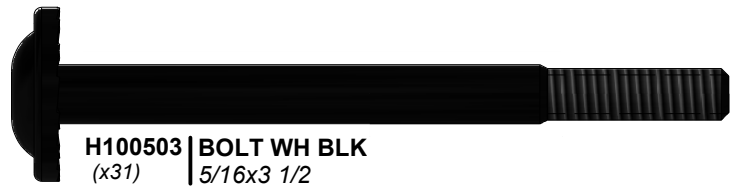
**RP9** | ROOF PANEL - W2A03073  
(x1) | 1 5/8"x15 5/8"x33 7/8" (42x397x860)



## Hardware Components



**H100415 | BOLT WH BLK**  
(x88) | 5/16x3 3/4



**H100503 | BOLT WH BLK**  
(x31) | 5/16x3 1/2



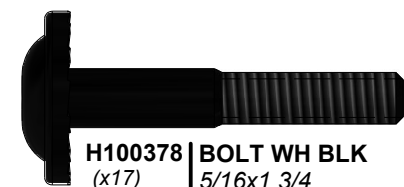
**H100416 | BOLT WH BLK**  
(x14) | 5/16x3



**H100205 | BOLT WH BLK**  
(x20) | 5/16x2-1/4



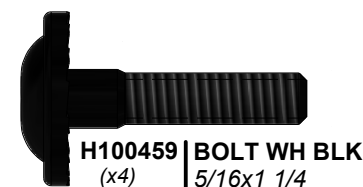
**H100457 | BOLT WH BLK**  
(x4) | 5/16x2



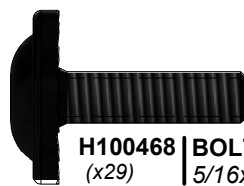
**H100378 | BOLT WH BLK**  
(x17) | 5/16x1 3/4



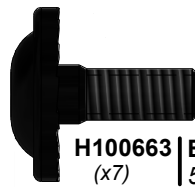
**H100407 | BOLT WH BLK**  
(x4) | 5/16x1 1/2



**H100459 | BOLT WH BLK**  
(x4) | 5/16x1 1/4



**H100468 | BOLT WH BLK**  
(x29) | 5/16x1



**H100663 | BOLT WH BLK**  
(x7) | 5/16x3/4



**H100458 | LAG SCREW WH BLK**  
(x8) | 5/16x2



**H100456 | LAG SCREW WH BLK**  
(x8) | 1/4x2 1/2



**H100082 | SCREW TAPPING**  
(x1) | 14x2 1/2



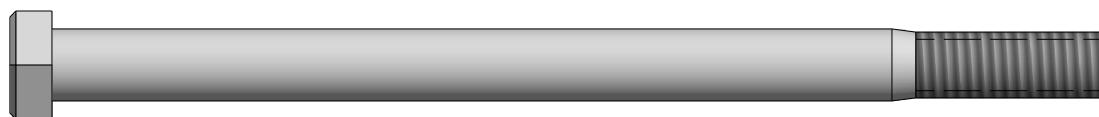
**H100481 | BOLT HEX BLK**  
(x4) | 5/16x1 1/4



**H100489 | BOLT PTH BLK**  
(x24) | 1/4x3/4



**H100832 | BOLT PTH**  
(x4) | 1/4x3/4



**H100654 | BOLT HEX**  
(x12) | 3/8x5-1/2



## Hardware Components



**H100201 | SCREW PFH BLK**  
(x12) | 8x2-1/2



**H100483 | SCREW PFH BLK**  
(x2) | 8x2 1/4



**H100380 | SCREW PFH BLK**  
(x28) | 8x1 1/8



**H100202 | SCREW PWH BLK**  
(x6) | 8x5/8



**H100111 | SCREW PFH**  
(x116) | 8x2



**H100089 | SCREW PFH**  
(x24) | 8x1 3/4



**H100086 | SCREW PFH**  
(x322) | 8x1 1/2



**H100087 | SCREW PFH**  
(x8) | 8x1 1/4



**H100088 | SCREW PFH**  
(x243) | 8x1 1/8



**H100199 | WASHER LOCK EXT BLK**  
(x29) | 12x19



**H100405 | WASHER LOCK EXT BLK**  
(x8) | 6x15



**H100473 | WASHER LOCK INT BLK**  
(x24) | 8x15



**H100193 | NUT BARREL WH BLK**  
(x2) | 5/16x1-1/2



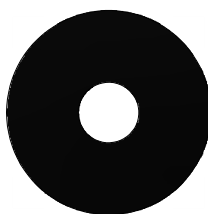
**H100192 | NUT BARREL WH BLK**  
(x31) | 5/16x7/8



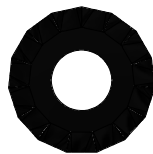
**H100469 | NUT BARREL WH BLK**  
(x8) | 5/16x5/8



**H100831 | NUT BARREL PTH BLK**  
(x4) | 1/4x3/4



**H100478 | WASHER FLAT BLK**  
(x4) | 8x27



**H100198 | WASHER LOCK EXT BLK**  
(x165) | 8x19



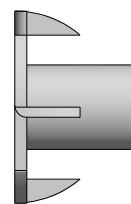
**H100477 | WASHER SPLIT BLK**  
(x4) | 5/16



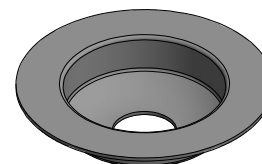
**H100379 | T-NUT BLK**  
(x183) | 5/16



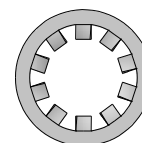
**H100398 | T-NUT BLK**  
(x24) | 1/4



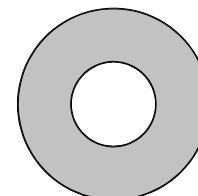
**H100073 | T-NUT**  
(x12) | 3/8



**H100225 | FLANGE CUP WASHER**  
(x1) | 9x34



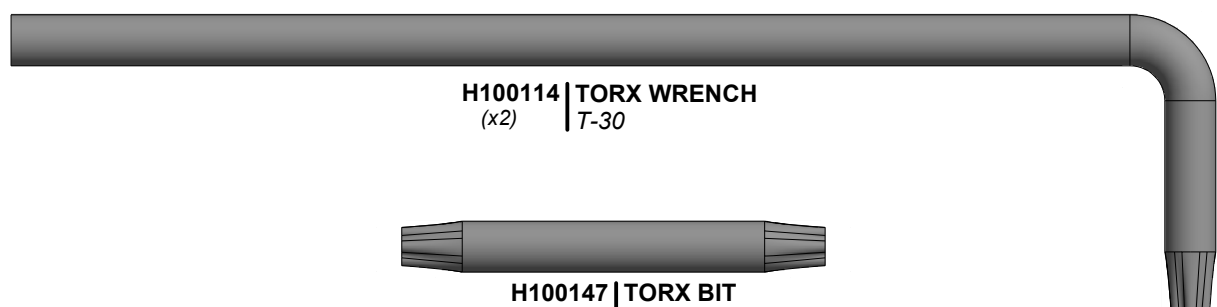
**H100107 | WASHER LOCK INT**  
(x12) | 10x18



**H100102 | WASHER FLAT**  
(x12) | 11x25



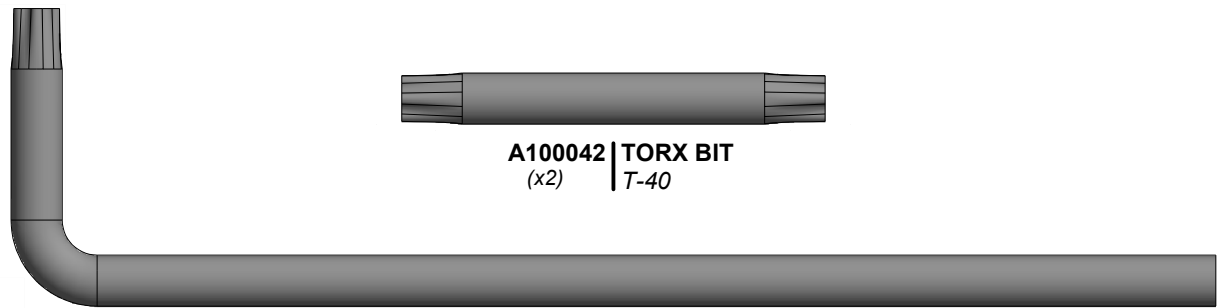
Hardware Components



H100114 | TORX WRENCH  
(x2) | T-30



H100147 | TORX BIT  
(x2) | T-30

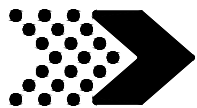


A100042 | TORX BIT  
(x2) | T-40

A100041 | TORX WRENCH  
(x2) | T-40



H100764 | SCREW SETTER  
(x1)



Accessory Components (Not to Scale)



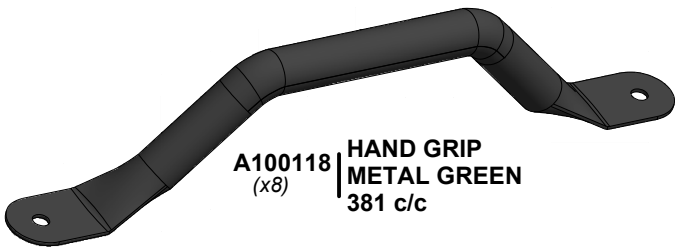
A100164 (x1) | BYD ID TAG (LARGE) AGES 3-10



A6P00037 (x8) | GREEN HC ROCK #2



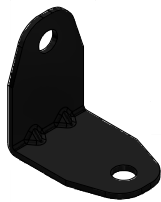
A6P00036 (x4) | GREEN HC ROCK #1



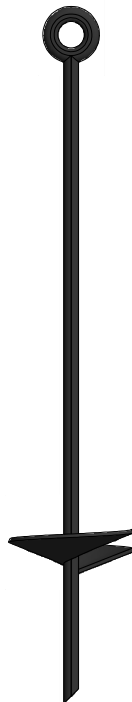
A100118 (x8) | HAND GRIP METAL GREEN 381 c/c



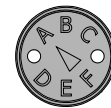
A100107 (x1) | STEERING WHEEL



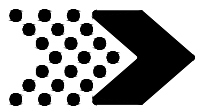
A4M01047 (x9) | L BRACKET 2.5x38x55x55



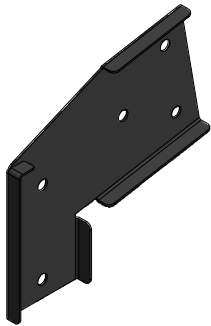
A100178 (x6) | AUGER GROUND STAKE



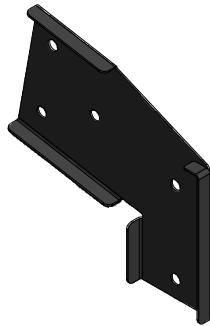
A100314 (x1) | "A" REVISION TAG



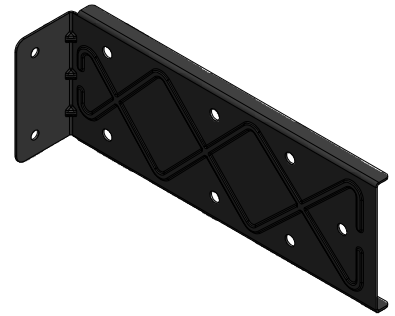
Accessory Components (Not to Scale)



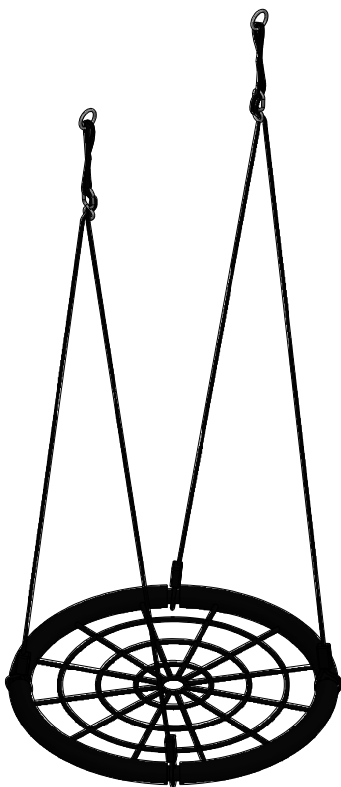
A100325 | SWING BEAM  
(x1) | EXTENSION  
BRACKET-LEFT



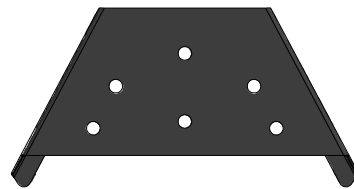
A100326 | SWING BEAM  
(x1) | EXTENSION  
BRACKET-RIGHT



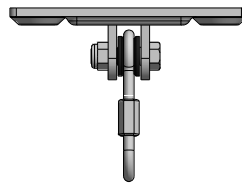
A4M00993 | EXTENDED  
(x2) | SWING BEAM  
BRACKET



A4M01126 | 26" WEB SWING SEAT ROPE  
(x1)



A4M01169 | A-FRAME BRACKET  
(x1)



A4M00505 | SWING HANGER  
(x6)



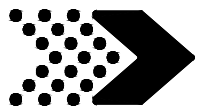
A6P00362 | 26" HD BELT SWING  
(x2)



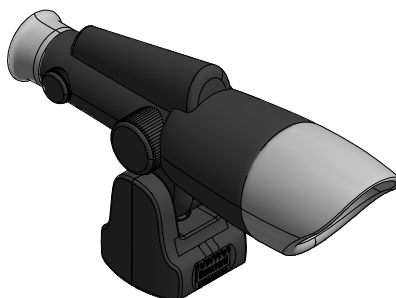
A4M01005 | CHAIN GREEN  
(x4) | 7mm x 1452mm  
(57in)



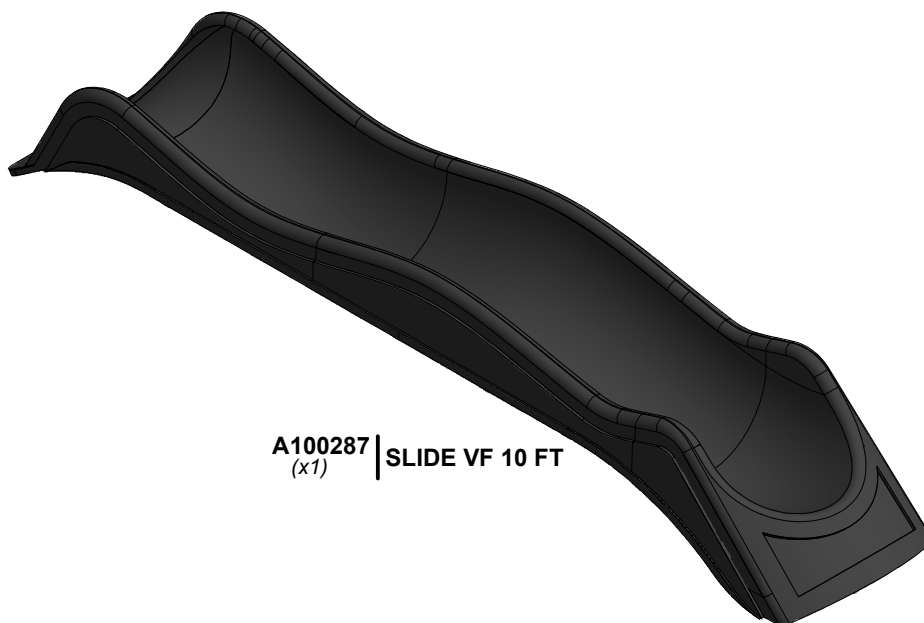
A4M00927 | QUICK LINK SD  
(x4)



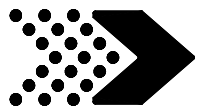
Accessory Components (Not to Scale)



A100104 | TELESCOPE  
(x1)



A100287 | SLIDE VF 10 FT  
(x1)



# LADDER ASSEMBLY

# STEP 1

**E02** | LADDER RAIL - W4L13970  
(x3) | 1 3/8"x3 3/8"x32 3/4" (36x86x831)

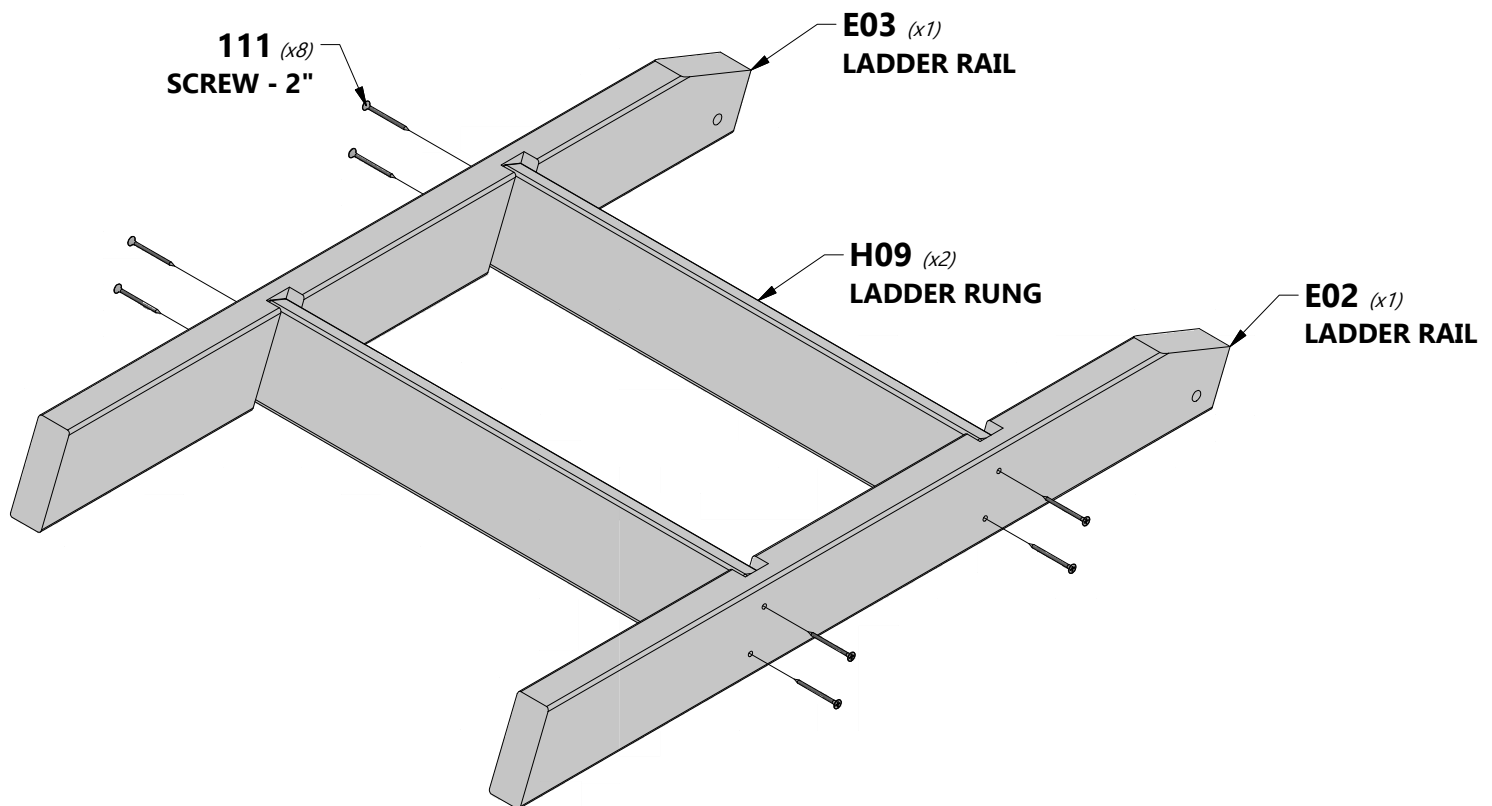
**E03** | LADDER RAIL - W4L13973  
(x3) | 1 3/8"x3 3/8"x32 3/4" (36x86x831)

**H09** | LADDER RUNG - W4L13939  
(x6) | 1"x3 3/8"x22" (24x86x560)

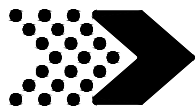
**H100111** | SCREW PFH  
(x24) | 8x2



**TIP:**  
LAY PARTS ON GROUND OR SAW HORSES FOR EASE OF ASSEMBLY.



**REPEAT THIS STEP TO COMPLETE THREE LADDER ASSEMBLIES**

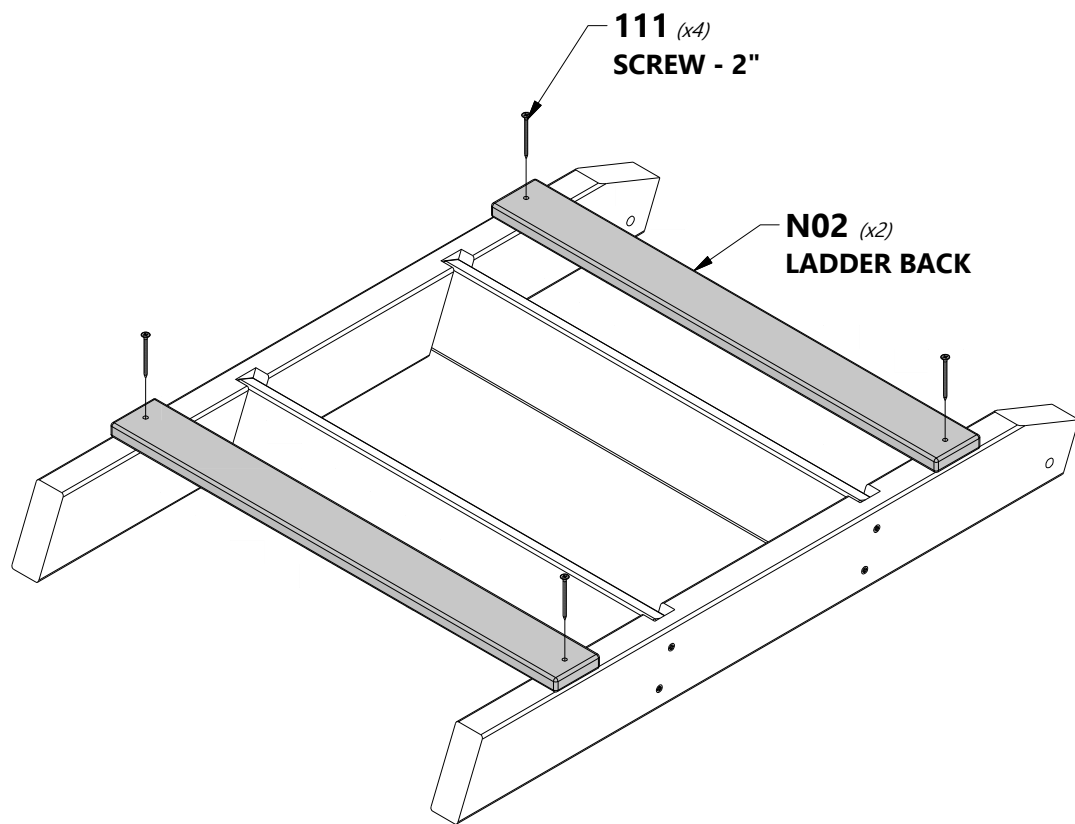


# LADDER ASSEMBLY

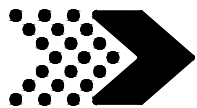
# STEP 2

**N02** | LADDER BACK - W4L13960  
*(x6)* | 5/8"x2 3/8"x23 1/2" (16x60x596)

**H100111** | SCREW PFH  
*(x12)* | 8x2



**REPEAT THIS STEP TO COMPLETE THREE LADDER ASSEMBLIES**



# LADDER ASSEMBLY

# STEP 3



**A4M01047** | L BRACKET  
(x6) | 2.5x38x55x55



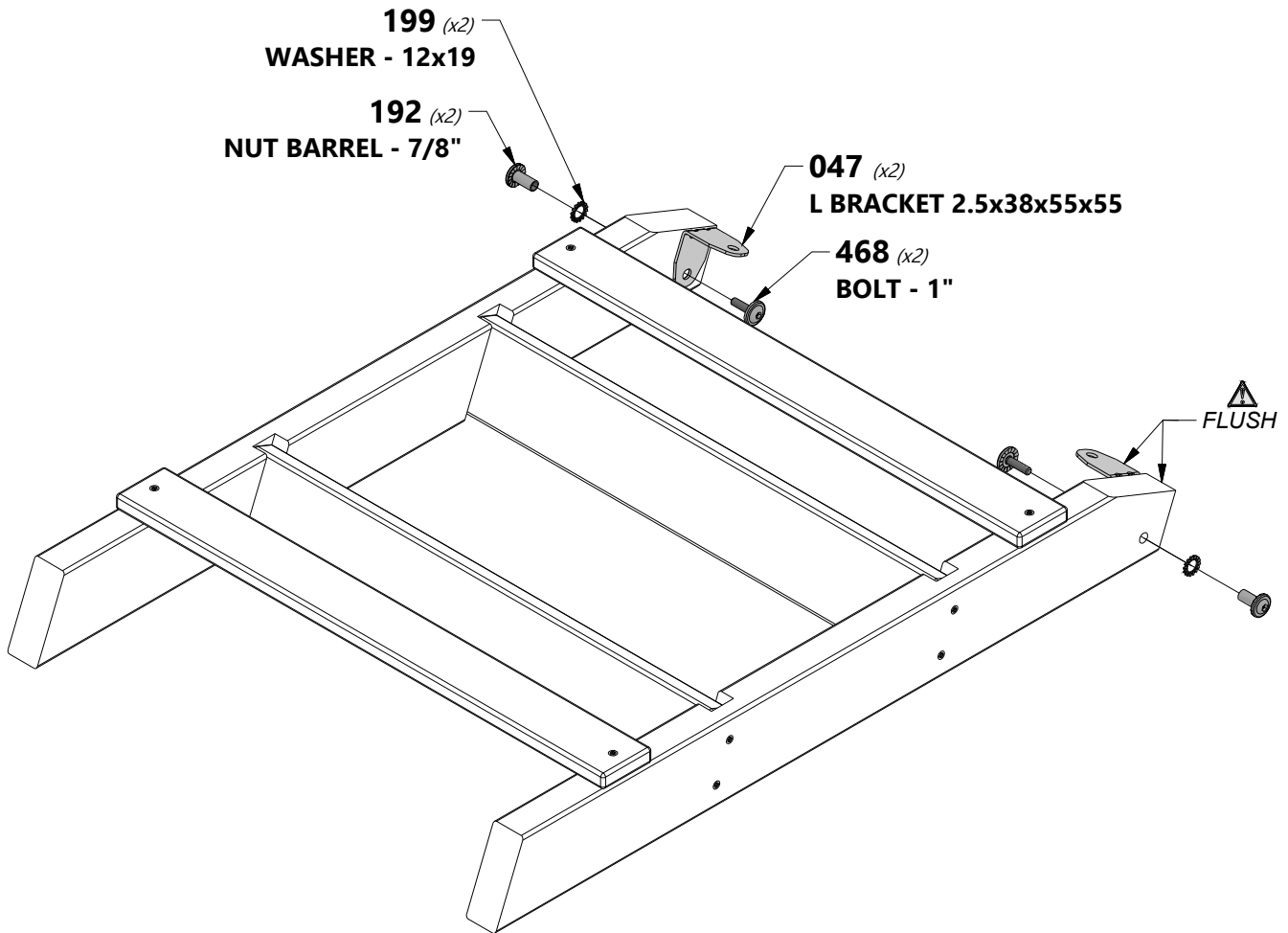
**H100468** | BOLT WH BLK  
(x6) | 5/16x1



**H100192** | NUT BARREL WH BLK  
(x6) | 5/16x7/8



**H100199** | WASHER LOCK  
(x6) | EXT 12x19 BLK



**REPEAT THIS STEP TO COMPLETE THREE LADDER ASSEMBLIES**

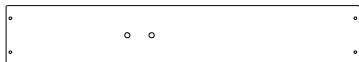


# ROCK WALL ASSEMBLY

# STEP 1



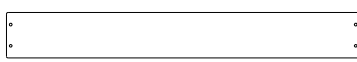
**L1** | **ROCK WALL BOARD - W4L13916**  
(x4) 5/8"x4 3/8"x26 1/4" (16x112x668)



**L2** | **ROCK WALL BOARD - W4L13917**  
(x4) 5/8"x4 3/8"x26 1/4" (16x112x668)



**L3** | **ROCK WALL BOARD - W4L13918**  
(x5) 5/8"x4 3/8"x26 1/4" (16x112x668)



**M09** | **ROCK WALL BOARD - W4L13920**  
(x1) 5/8"x3 3/8"x26 1/4" (16x86x668)



**E05** | **ROCK WALL RAIL - W4L13976**  
(x1) 1 3/8"x3 3/8"x63 5/8" (36x86x1575)



**E04** | **ROCK WALL RAIL - W4L13972**  
(x1) 1 3/8"x3 3/8"x62" (36x86x1575)

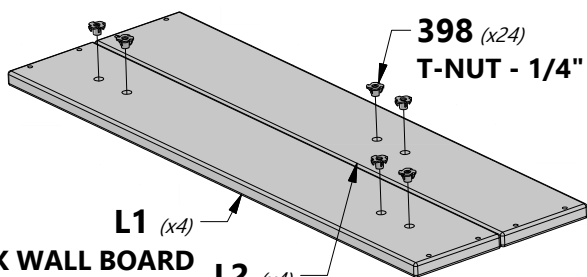


**H100398** | **T-NUT BLK**  
(x24) 1/4"



**H100200** | **SCREW PFH BLK**  
(x56) 8x1 1/2"

## PREPARATION: INSTALL T-NUTS



**L1** (x4)  
**ROCK WALL BOARD**  
**L2** (x4)  
**ROCK WALL BOARD**

**398** (x24)  
**T-NUT - 1/4"**  
  
INSTALL T-NUTS AS SHOWN IN ALL L1 & L2 BOARDS.



## ASSEMBLY NOTE:

USE THE FOLLOWING REPEATING PATTERN TO BUILD THE ROCK WALL. BEGINNING AT THE TOP THE PATTERN IS L3, L2, L1. REPEAT 4 TIMES AND END WITH AN ADDITIONAL L3 & M09 BOARD AS SHOWN. MAKE SURE TO PLACE EACH L2 BOARD SO THE HOLES ALTERNATE RIGHT TO LEFT OF CENTER.

NOTE: INSTALL ALL L1 & L2 BOARDS WITH T-NUTS FACING DOWN (HIDDEN).

**E05** (x1)  
**ROCK WALL RAIL**

**M09** (x1)  
**ROCK WALL BOARD**

**L3** (x1)  
**ROCK WALL BOARD**

**E04** (x1)  
**ROCK WALL RAIL**

**L3** (x4)  
**ROCK WALL BOARD**

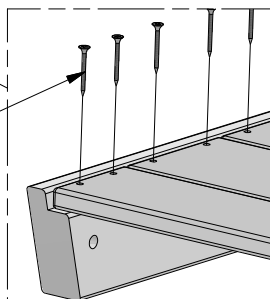
**L2** (x4)  
**ROCK WALL BOARD**

**L1** (x4)  
**ROCK WALL BOARD**

  
THESE SHOULD LINE UP WHEN PROPERLY ASSEMBLED.

CENTER LINE

**086** (x56)  
**SCREW - 1 1/2"**



## ASSEMBLY TIP:

IT CAN HELP TO SET ALL THE BOARDS IN PLACE TO MAKE SURE THEY MATCH THE DIAGRAM PRIOR TO MOUNTING THEM WITH THE PROVIDED SCREWS.



**M10** | **ROCK WALL BOARD - W4L13948**  
(x1) | 5/8"x3 3/8"x27 5/8" (16x86x702)

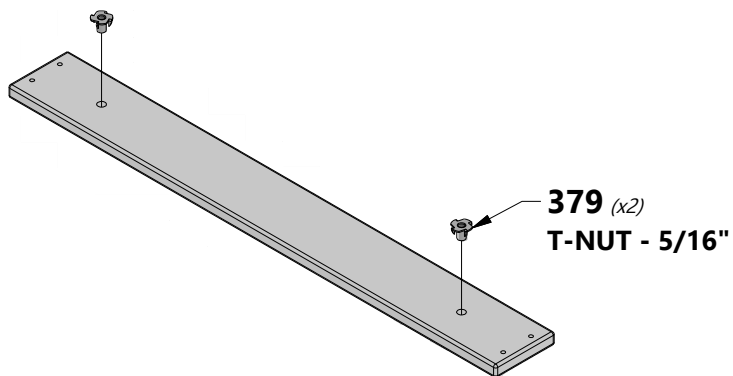


**H100379** | **T-NUT BLK**  
(x2) | 5/16"

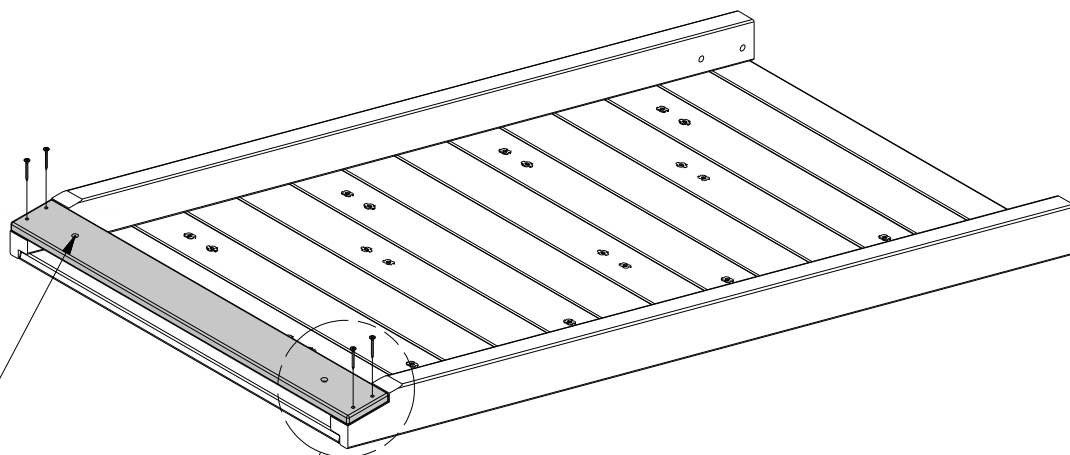


**H100086** | **SCREW PFH**  
(x4) | 8x1 1/2"

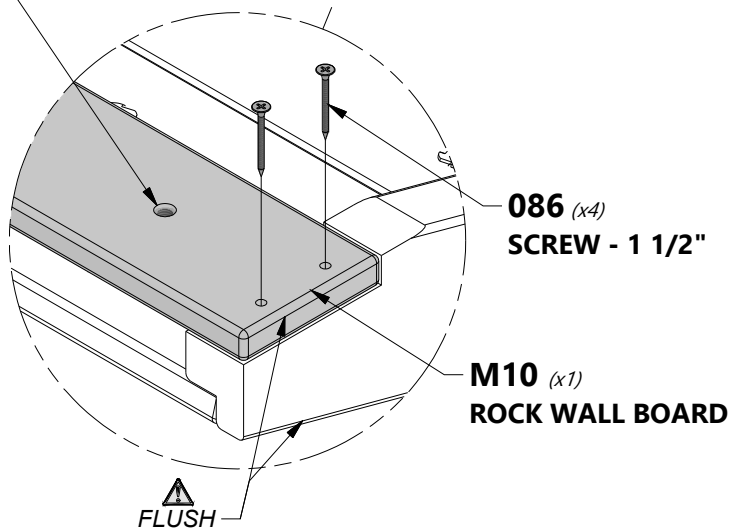
## PREPARATION: INSTALL T-NUTS



**379** (x2)  
**T-NUT - 5/16"**



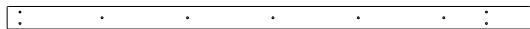
 **NOTE PRE-INSTALLED T-NUTS MUST FACE DOWN.**



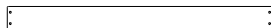
**086** (x4)  
**SCREW - 1 1/2"**

**M10** (x1)  
**ROCK WALL BOARD**

 **FLUSH**



**N04** | ROCKWALL CLEAT - W4L13955  
(x1) | 5/8"x2 3/8"x54 1/2" (16x60x1385)



**N05** | ROCK WALL BOARD - W4L13958  
(x1) | 5/8"x2 3/8"x27 5/8" (16x60x702)



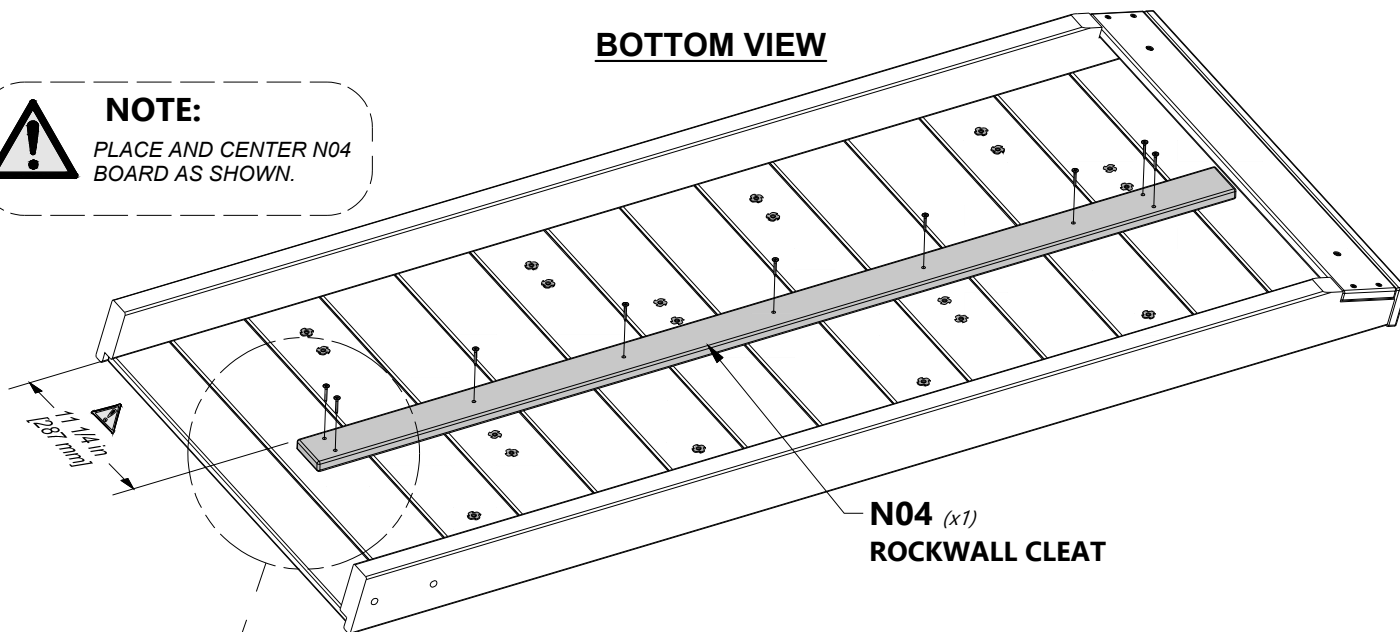
**H100086** | SCREW PFH  
(x4) | 8x1 1/2



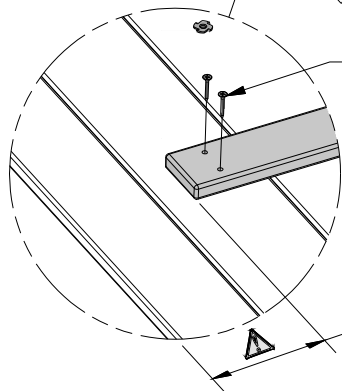
**H100088** | SCREW PFH  
(x9) | 8x1 1/8

## BOTTOM VIEW

**NOTE:**  
PLACE AND CENTER N04 BOARD AS SHOWN.



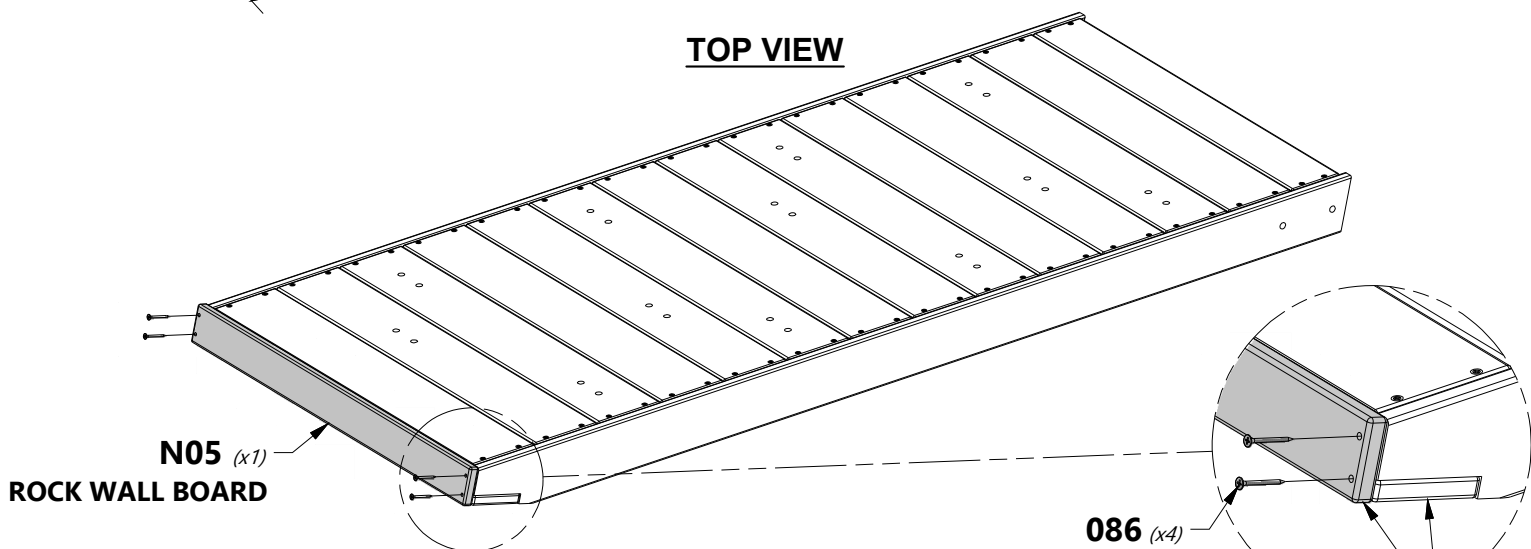
**N04 (x1)**  
ROCKWALL CLEAT



**088 (x9)**  
SCREW - 1 1/8"

4 5/8 in  
[118 mm]

## TOP VIEW



**N05 (x1)**  
ROCK WALL BOARD

**086 (x4)**  
SCREW - 1 1/2"

FLUSH



# ROCK WALL ASSEMBLY

# STEP 4



A6P00037 | GREEN HC ROCK #2  
(x8)



A6P00036 | GREEN HC ROCK #1  
(x4)



H100489 | BOLT PTH BLK  
(x24) | 1/4x3/4

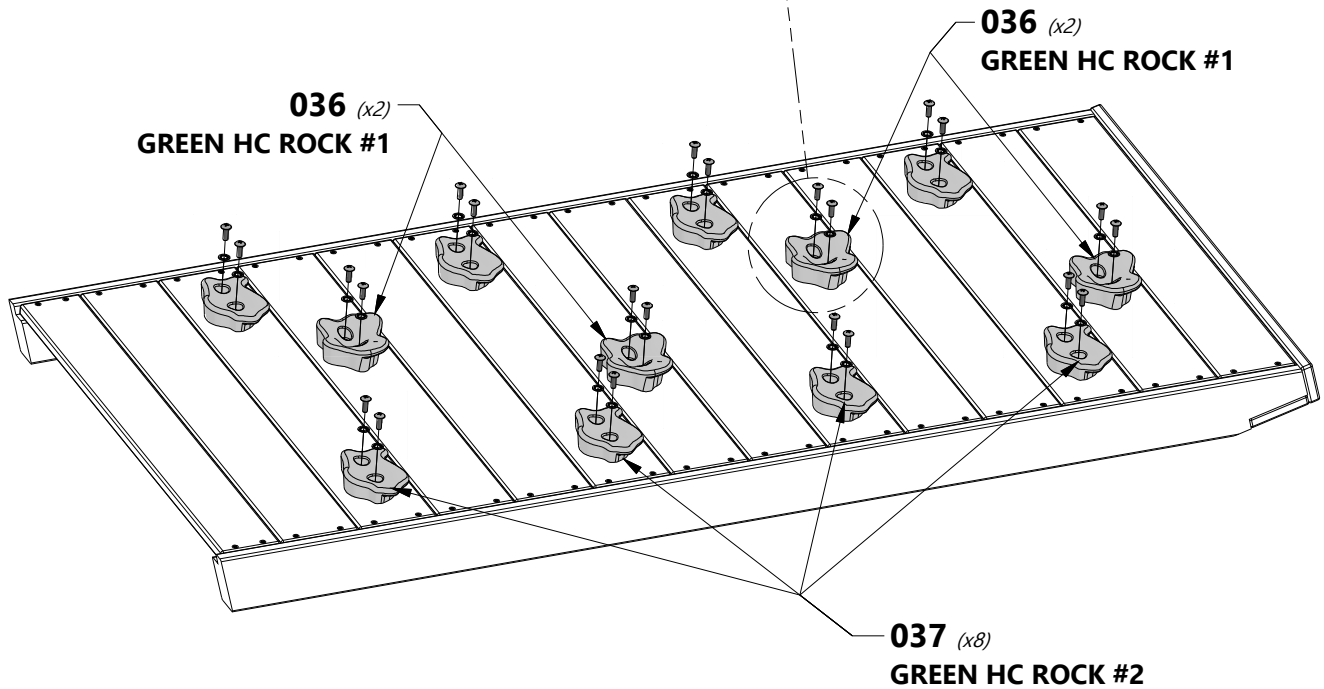
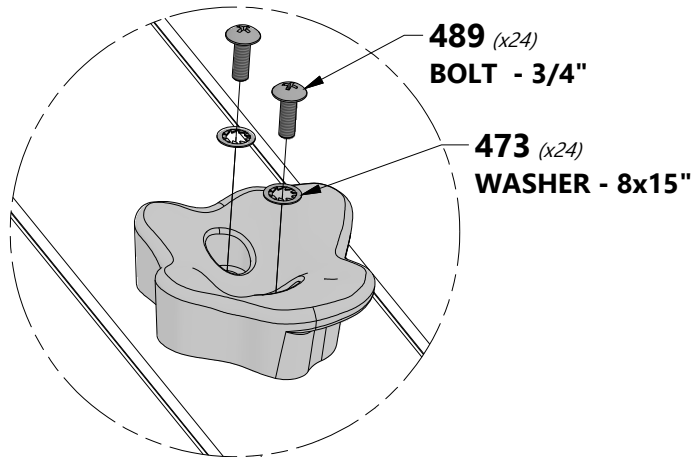


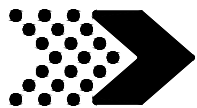
H100473 | WASHER LOCK INT BLK  
(x24) | 8x15



### NOTE:

INSTALL ROCKS USING THE SHOWN HARDWARE WITH THE T-NUTS THAT WERE PRE-INSTALLED.





# SWING BEAM

# STEP 1

**A1** | SWING BEAM - W4L13989  
(x1) | 3 3/8"x5 1/4"x89 1/2" (86x134x2274)

**A2** | SB 9" BLOCK - W4L13990  
(x1) | 3 3/8"x5 1/4"x9" (86x134x228)

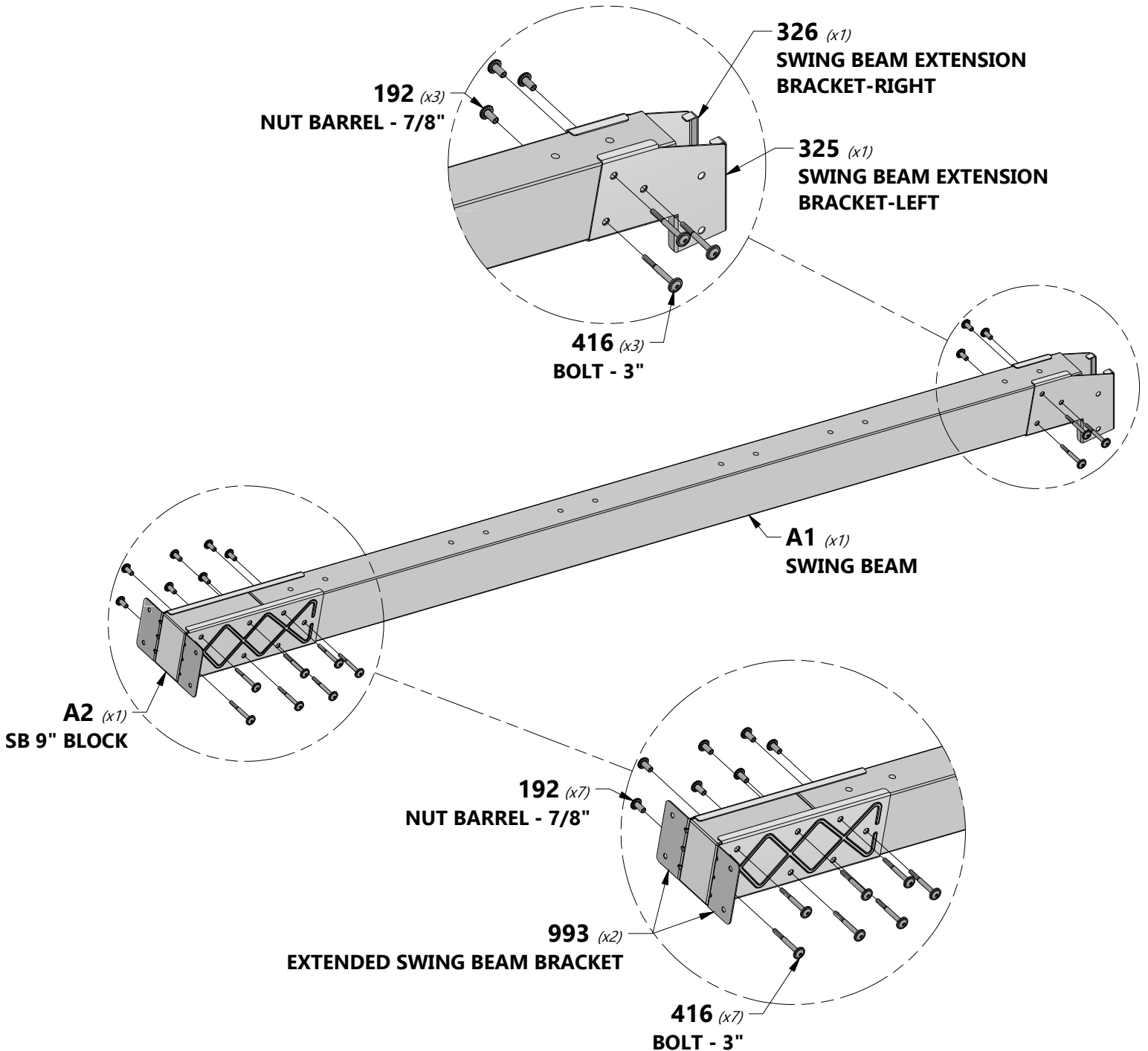
**A100325** | SWING BEAM  
EXTENSION  
BRACKET-LEFT  
(x1)

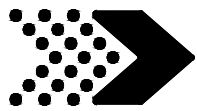
**A100326** | SWING BEAM  
EXTENSION  
BRACKET-RIGHT  
(x1)

**A4M00993** | EXTENDED  
SWING BEAM  
BRACKET  
(x2)

**H100416** | BOLT WH BLK  
(x10) | 5/16x3

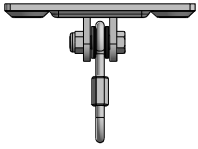
**H100192** | NUT BARREL WH BLK  
(x10) | 5/16x7/8





# SWING BEAM

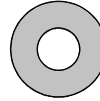
# STEP 2



**A4M00505** | SWING HANGER  
(x6)



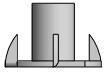
**H100654** | BOLT HEX  
(x12) | 3/8x5-1/2



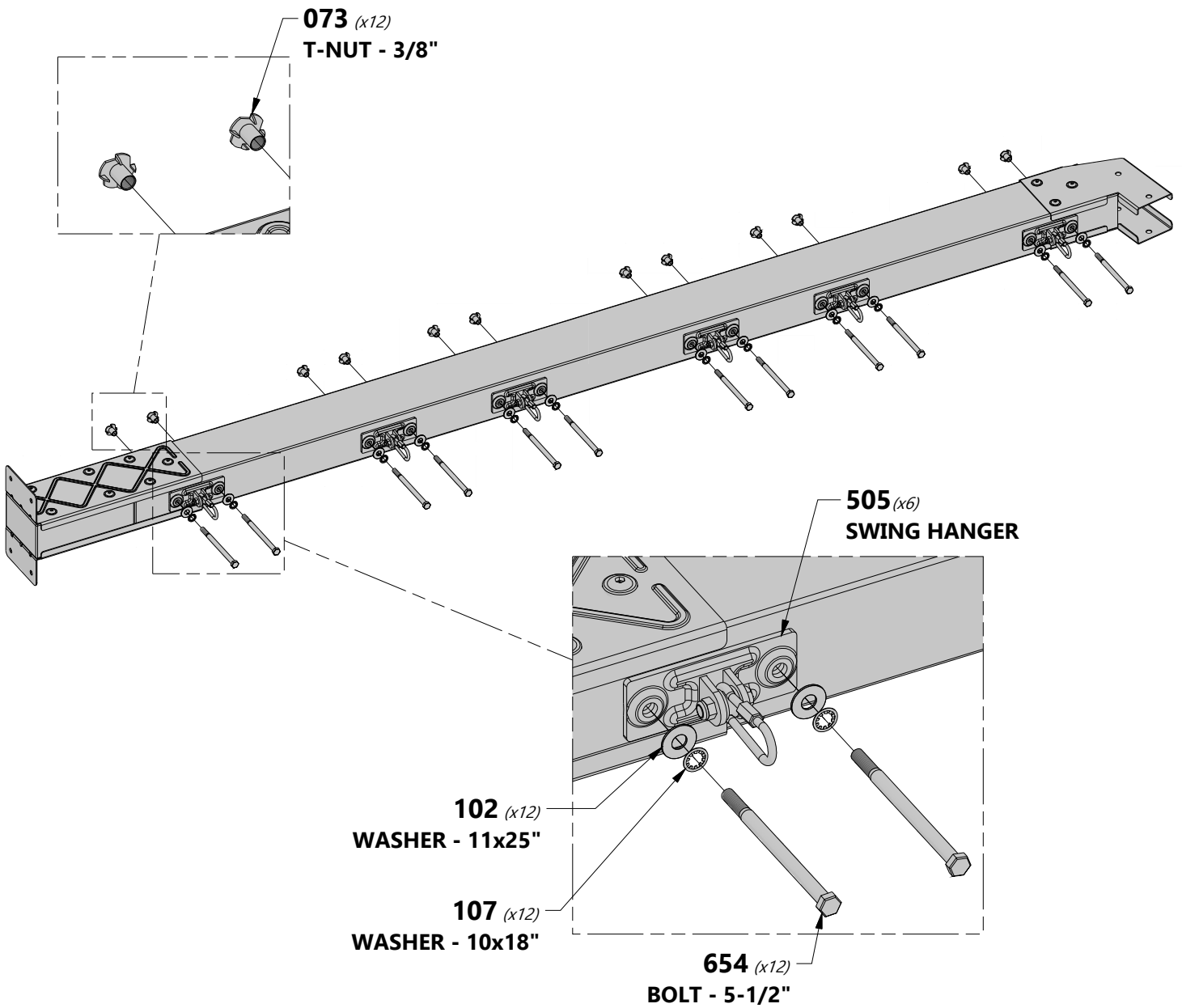
**H100102** | WASHER FLAT  
(x12) | 11x25

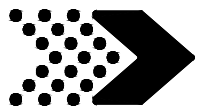


**H100107** | WASHER LOCK INT  
(x12) | 10x18



**H100073** | T-NUT  
(x12) | 3/8





# SWING BEAM

**E06** | S.B. ANGLE BRACE - W4L13993  
(x2) | 1 7/16"x3 3/8"x87 3/16" (36x86x2214)

**G11** | GROUND BOARD - W4L13991  
(x1) | 1"x5 1/4"x86 3/4" (24x134x2202)

**SP1** | SWING BEAM SUPPORT - W4L13988  
(x1) | 3 3/8"x3 3/8"x49 3/8" (86x86x1254)

**A4M01169** | A-FRAME BRACKET  
(x1)

**E07** | S.B. END SUPPORT - W4L13992  
(x1) | 1 3/8"x3 3/8"x44 1/8" (36x86x1120)

# STEP 3

**H100416** | BOLT WH BLK  
(x2) | 5/16x3

**H100457** | BOLT WH BLK  
(x4) | 5/16x2

**H100468** | BOLT WH BLK  
(x4) | 5/16x1

**H100415** | BOLT WH BLK  
(x2) | 5/16x3 3/4

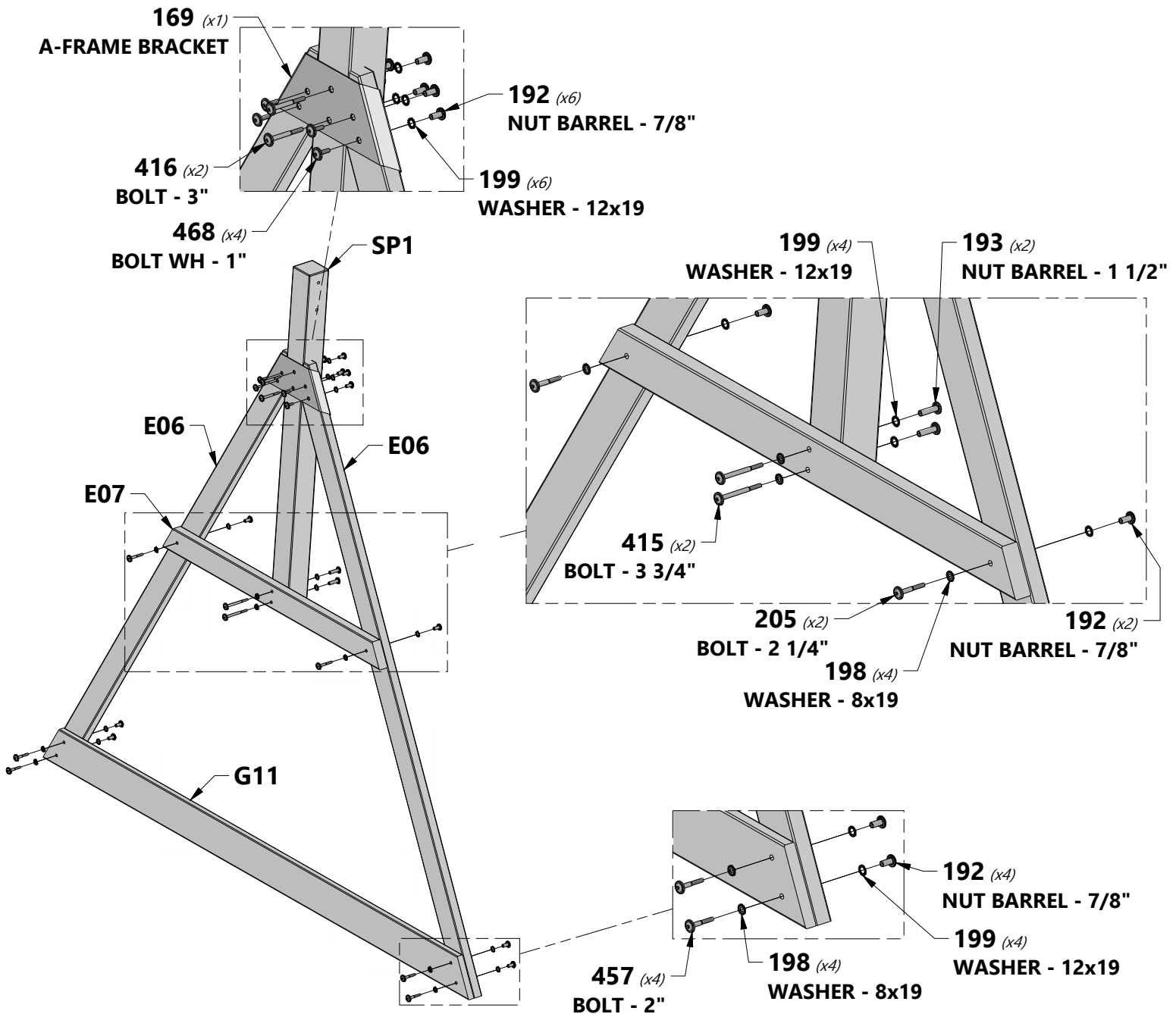
**H100193** | NUT BARREL WH BLK  
(x2) | 5/16x1-1/2

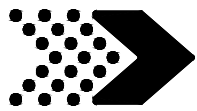
**H100192** | NUT BARREL WH BLK  
(x12) | 5/16x7/8

**H100205** | BOLT WH BLK  
(x2) | 5/16x2-1/4

**H100199** | WASHER LOCK  
(x14) | EXT 12x19 BLK

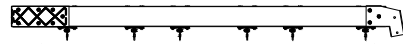
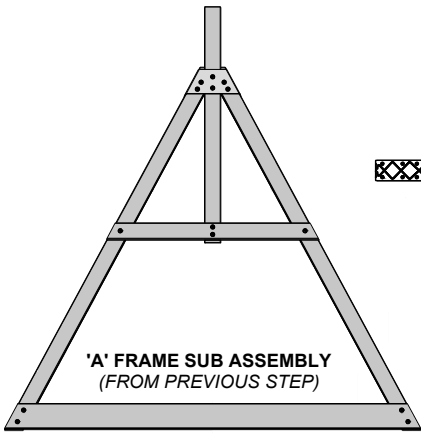
**H100198** | WASHER LOCK  
(x8) | EXT 8x19 BLK





# SWING BEAM

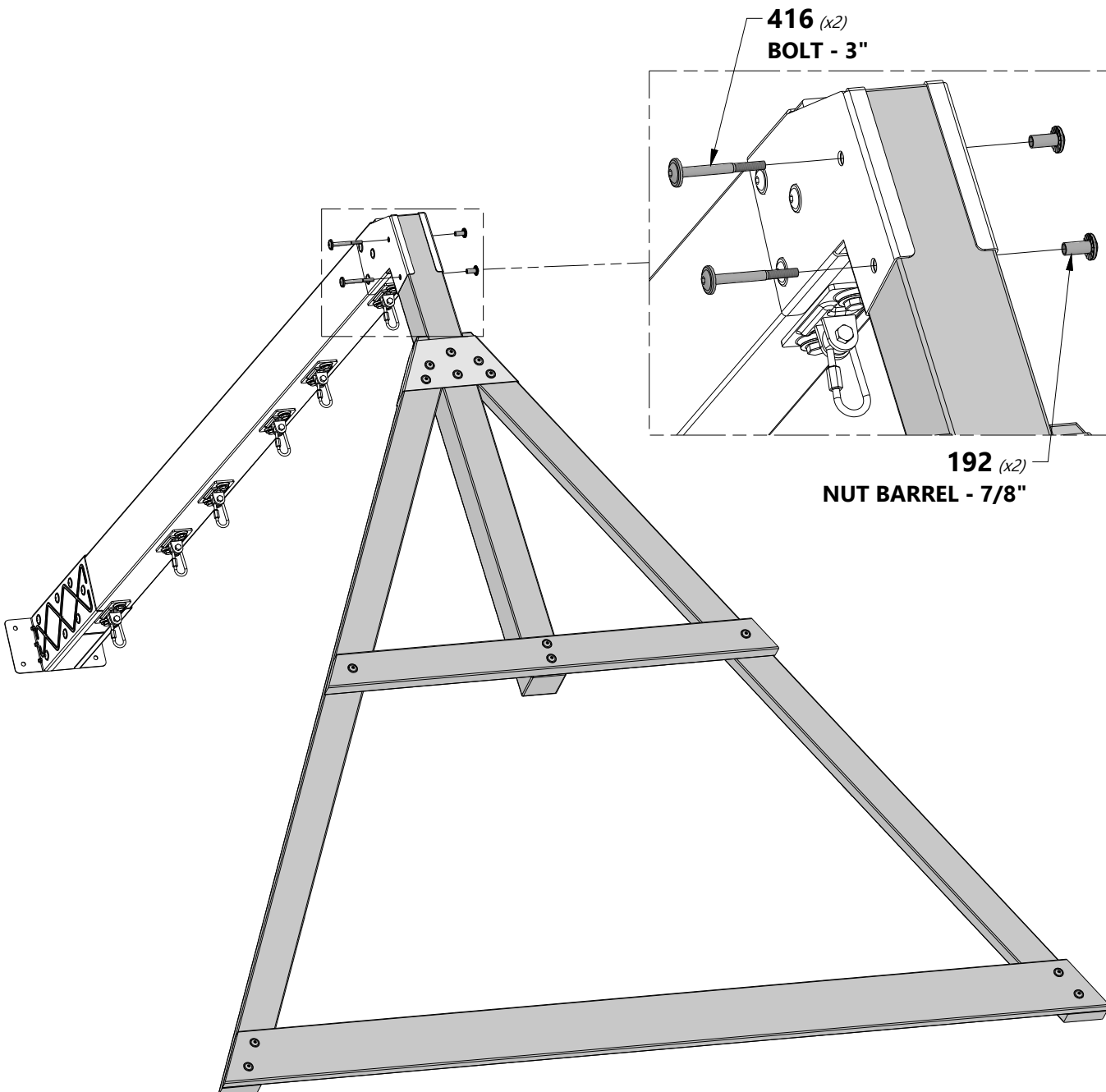
# STEP 4



H100416 | BOLT WH BLK  
(x2) | 5/16x3



H100192 | NUT BARREL WH BLK  
(x2) | 5/16x7/8





**B02** | POST - W4L13915  
(x1) 3"x3"x86 7/8" (76x76x2207)

**B03** | POST - W4L13902  
(x1) 3"x3"x86 7/8" (76x76x2207)

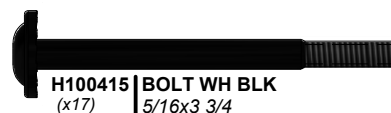
**B05** | POST - W4L13986  
(x1) 3"x3"x86 7/8" (76x76x2207)

**H05** | RAIL - W4L13932  
(x1) 1"x3 3/8"x34 1/2" (24x86x876)

**G01** | GROUND BOARD - W4L13907  
(x1) 1"x5 1/4"x67 7/8" (24x134x1724)

**G07** | FLOOR RAIL - W4L13953  
(x1) 1"x5 1/4"x66" (24x134x1676)

**H02** | RAIL - W4L13985  
(x1) 1"x3 3/8"x34 1/2" (24x86x876)



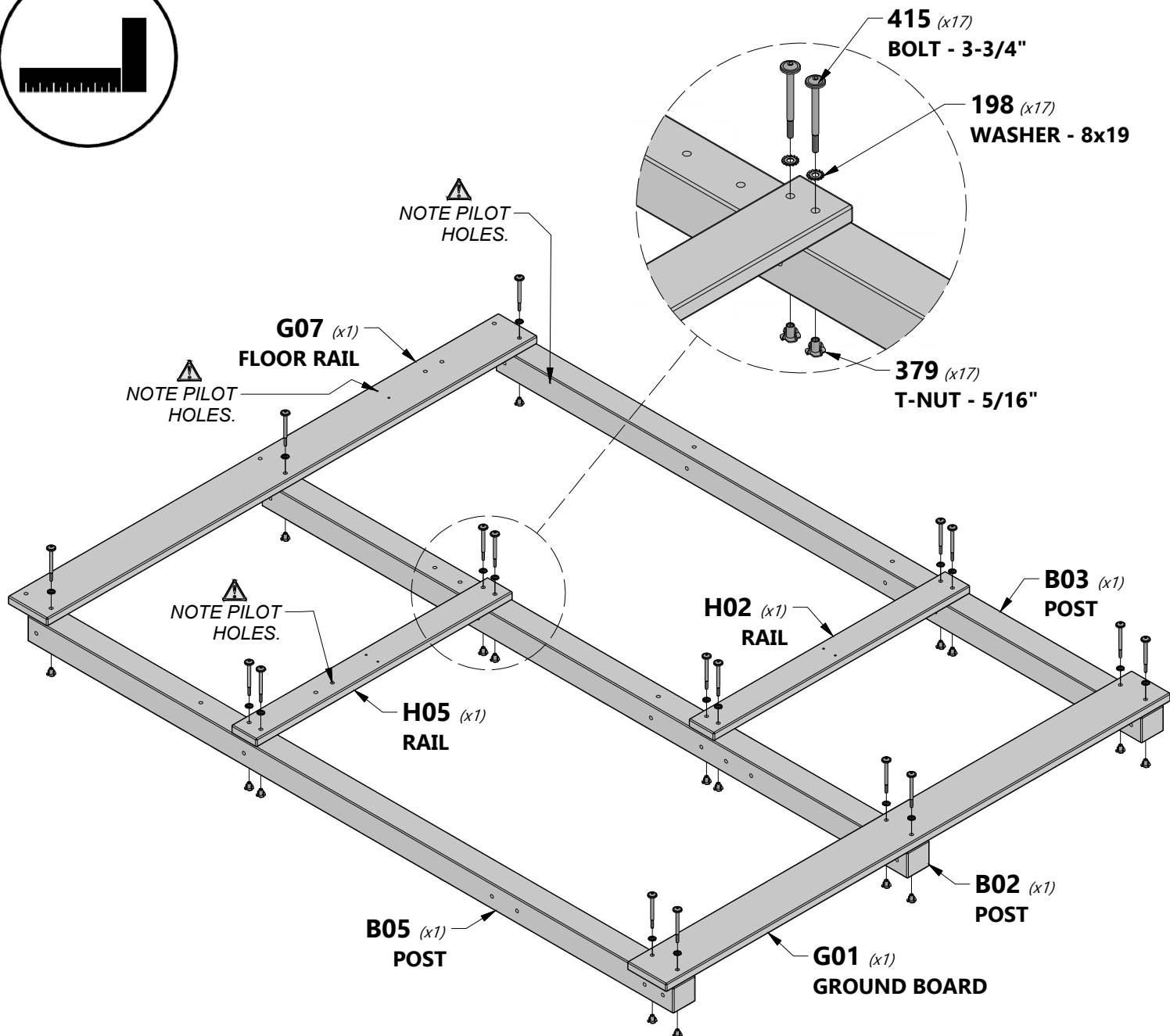
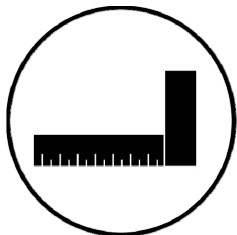
**H100415** | BOLT WH BLK  
(x17) 5/16x3 3/4



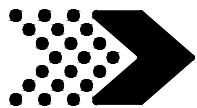
**H100379** | T-NUT BLK  
(x17) 5/16



**H100198** | WASHER LOCK EXT BLK  
(x17) 8x19







# FORT ASSEMBLY

# STEP 3

**G03** | GROUND BOARD - W4L13911  
(x1) | 1"x5 1/4"x60" (24x134x1524)

**G04** | GROUND BOARD - W4L13982  
(x1) | 1"x5 1/4"x60" (24x134x1524)

**H01** | RAIL - W4L13926  
(x1) | 1"x3 3/8"x61 7/8" (24x86x1572)

**G08** | FLOOR RAIL - W4L13912  
(x1) | 1"x5 1/4"x61 7/8" (24x134x1572)

**G09** | WALL RAIL - W4L13909  
(x1) | 1"x5 1/4"x61 7/8" (24x134x1572)

**H07** | RAIL - W4L13925  
(x1) | 1"x3 3/8"x61 7/8" (24x86x1572)

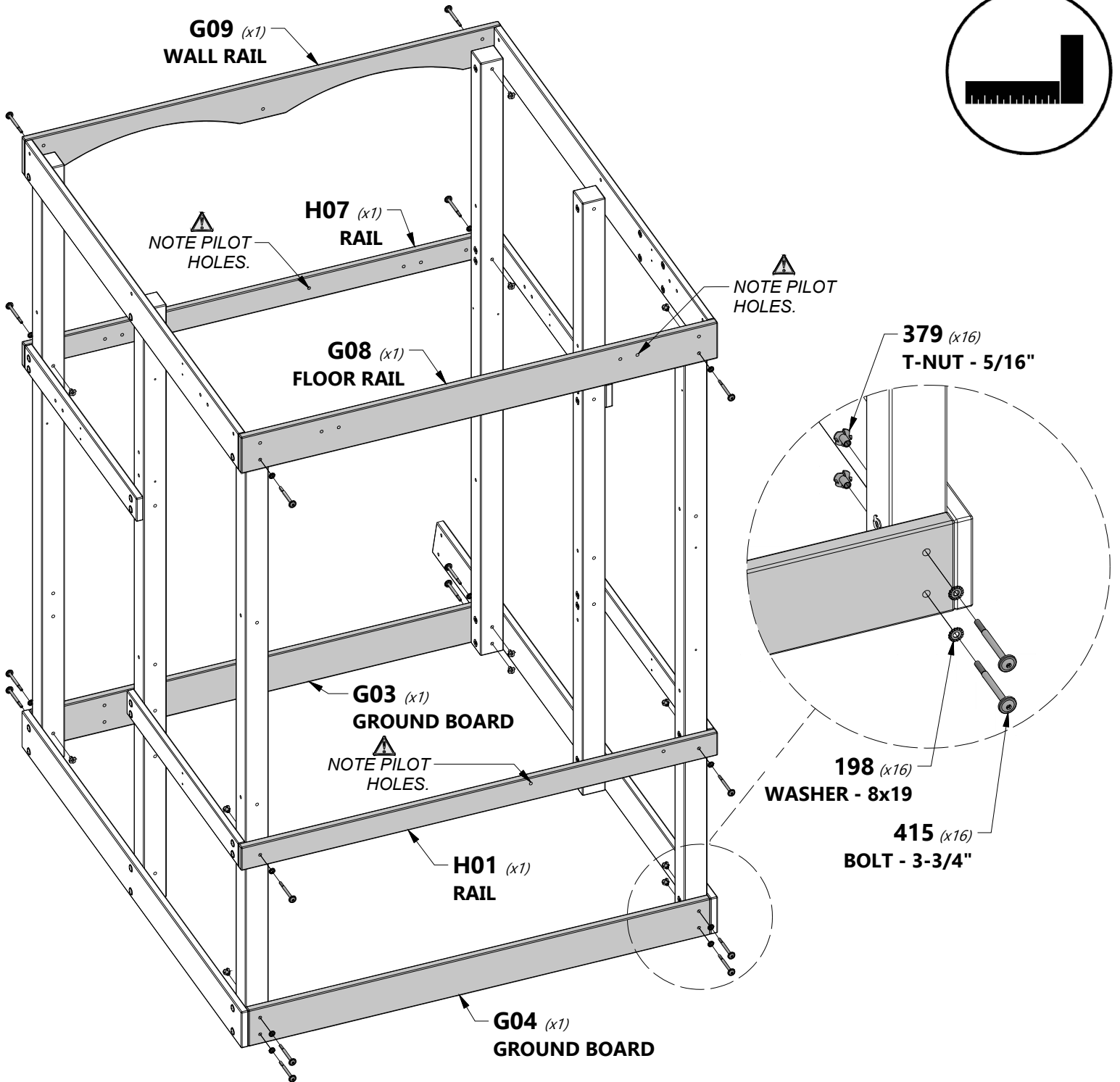
**H100415** | BOLT WH BLK  
(x16) | 5/16x3 3/4

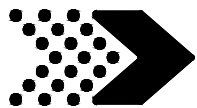


**H100198** | WASHER LOCK EXT BLK  
(x16) | 8x19



**H100379** | T-NUT BLK  
(x16) | 5/16





**G03** | GROUND BOARD - W4L13911  
(x1) | 1"x5 1/4"x60" (24x134x1524)

**G04** | GROUND BOARD - W4L13982  
(x1) | 1"x5 1/4"x60" (24x134x1524)

**G05** | WALL RAIL - W4L13910  
(x1) | 1"x5 1/4"x60" (24x134x1524)

**H06** | RAIL - W4L13983  
(x1) | 1"x3 3/8"x60" (24x86x1524)

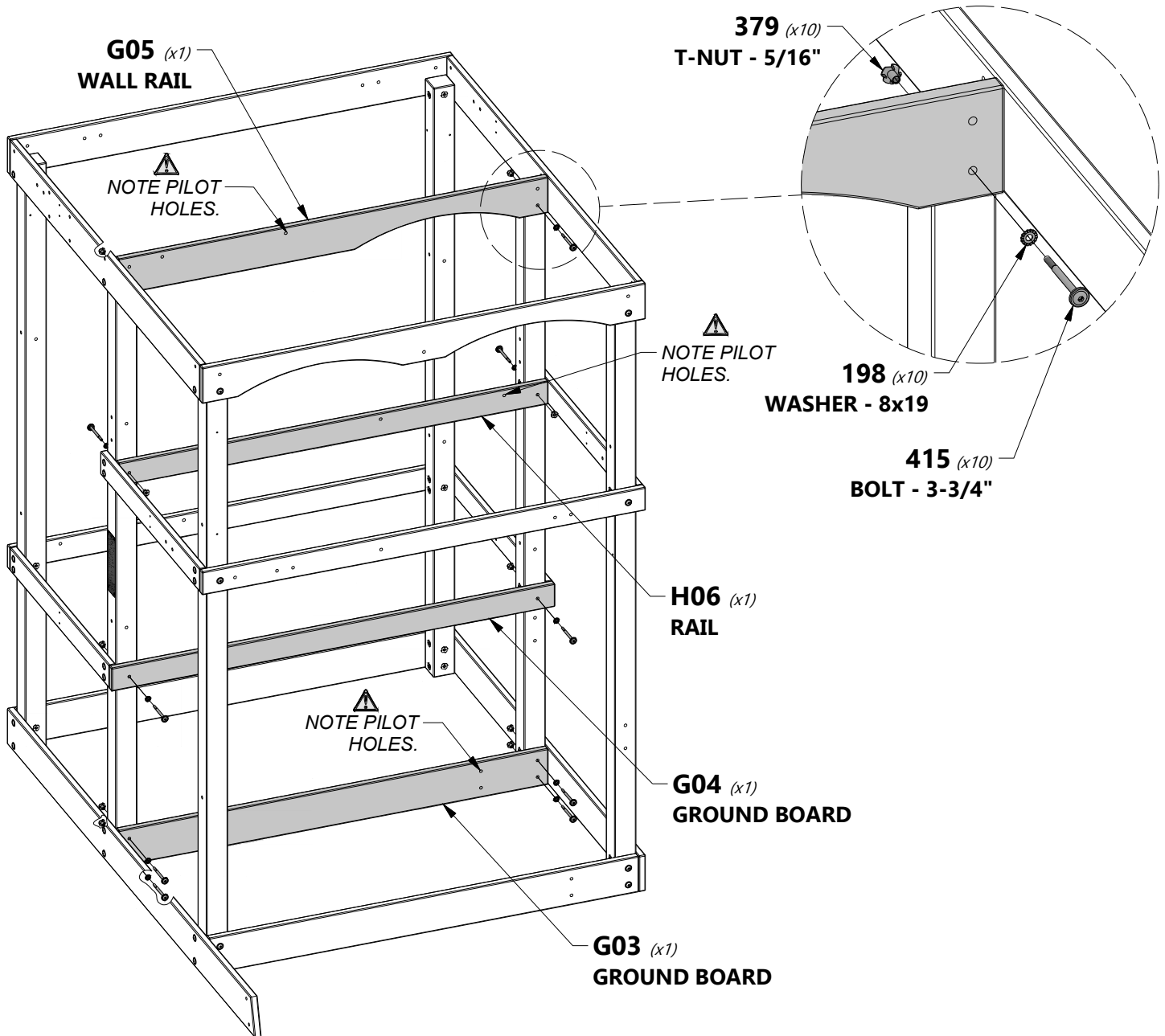
**H100415** | BOLT WH BLK  
(x10) | 5/16x3 3/4

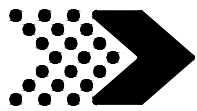


**H100198** | WASHER LOCK EXT BLK  
(x10) | 8x19



**H100379** | T-NUT BLK  
(x10) | 5/16





# FORT ASSEMBLY

# STEP 5

**E01 | ANGLE BRACE - W4L13971**  
 (x8) | 1 3/8"x3 3/8"x16 1/2" (36x86x420)

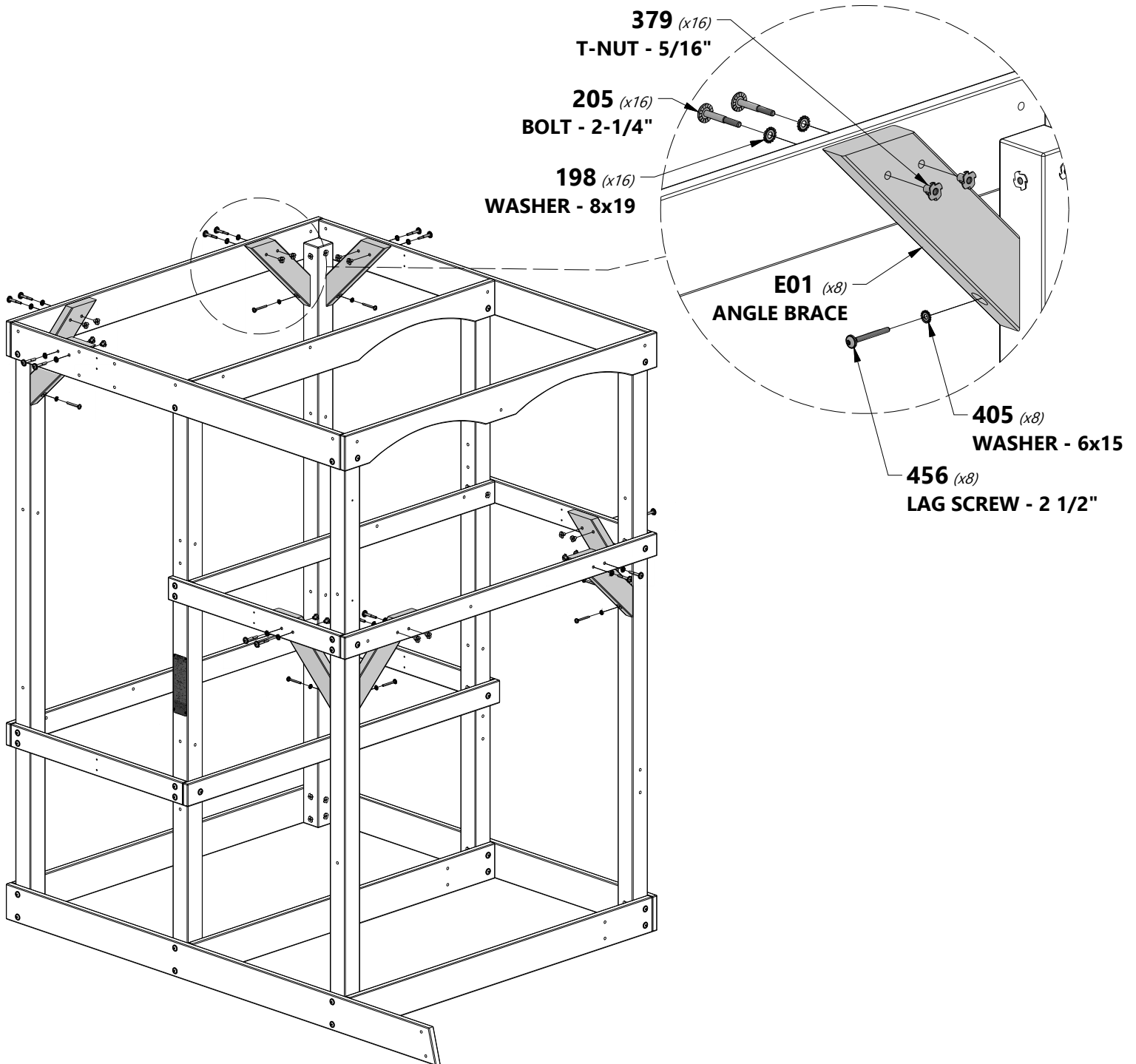
**H100205 | BOLT WH BLK**  
 (x16) | 5/16x2-1/4

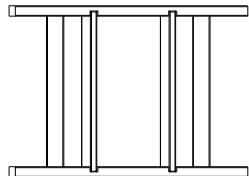
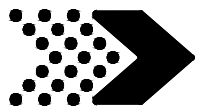
**H100456 | LAG SCREW WH BLK**  
 (x8) | 1/4x2 1/2

**H100198 | WASHER LOCK EXT BLK**  
 (x16) | 8x19

**H100405 | WASHER LOCK EXT BLK**  
 (x8) | 6x15

**H100379 | T-NUT BLK**  
 (x16) | 5/16





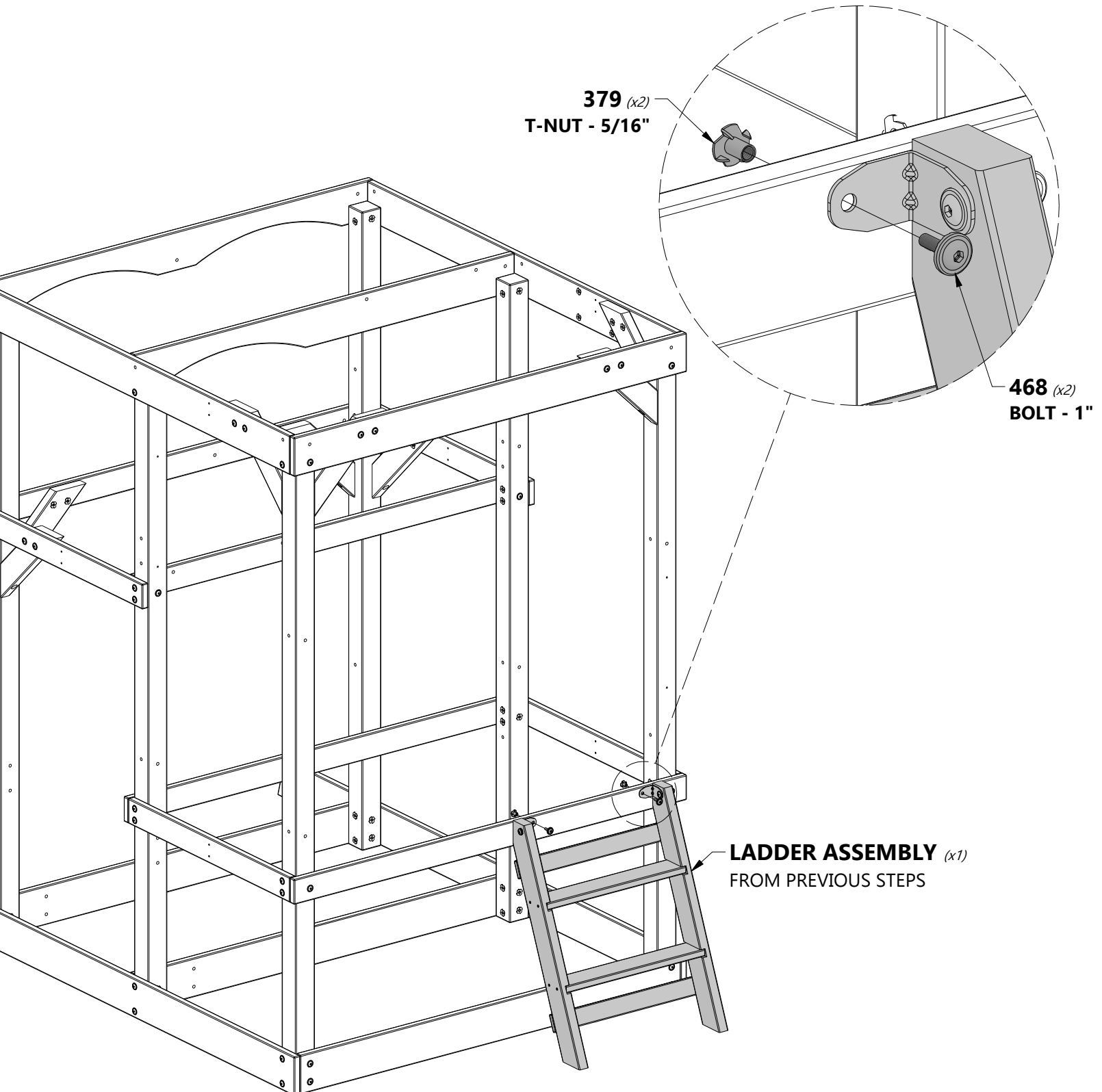
**LADDER ASSEMBLY**  
FROM PREVIOUS STEPS



**H100468** | BOLT WH BLK  
(x2) | 5/16x1



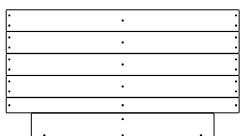
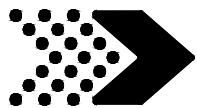
**H100379** | T-NUT BLK  
(x2) | 5/16



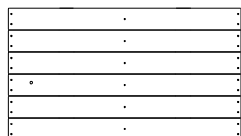
**379** (x2)  
T-NUT - 5/16"

**468** (x2)  
BOLT - 1"

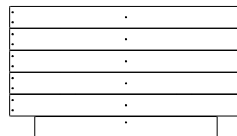
**LADDER ASSEMBLY** (x1)  
FROM PREVIOUS STEPS



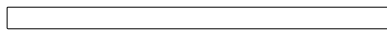
**HH1** | FLOOR PANEL - W2A03079  
(x1) | 1 1/4"x20 1/8"x36 3/8" (32x510x924)



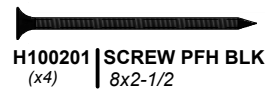
**HH2** | FLOOR PANEL - W2A03080  
(x1) | 36 3/8"x1 1/4"x20 9/16" (924x32x522)



**HH3** | FLOOR PANEL - W2A03078  
(x1) | 36 3/8"x1 1/4"x21 1/8" (924x32x536)



**H04** | RAIL - W4L13928  
(x1) | 1"x3 3/8"x60" (24x86x1524)



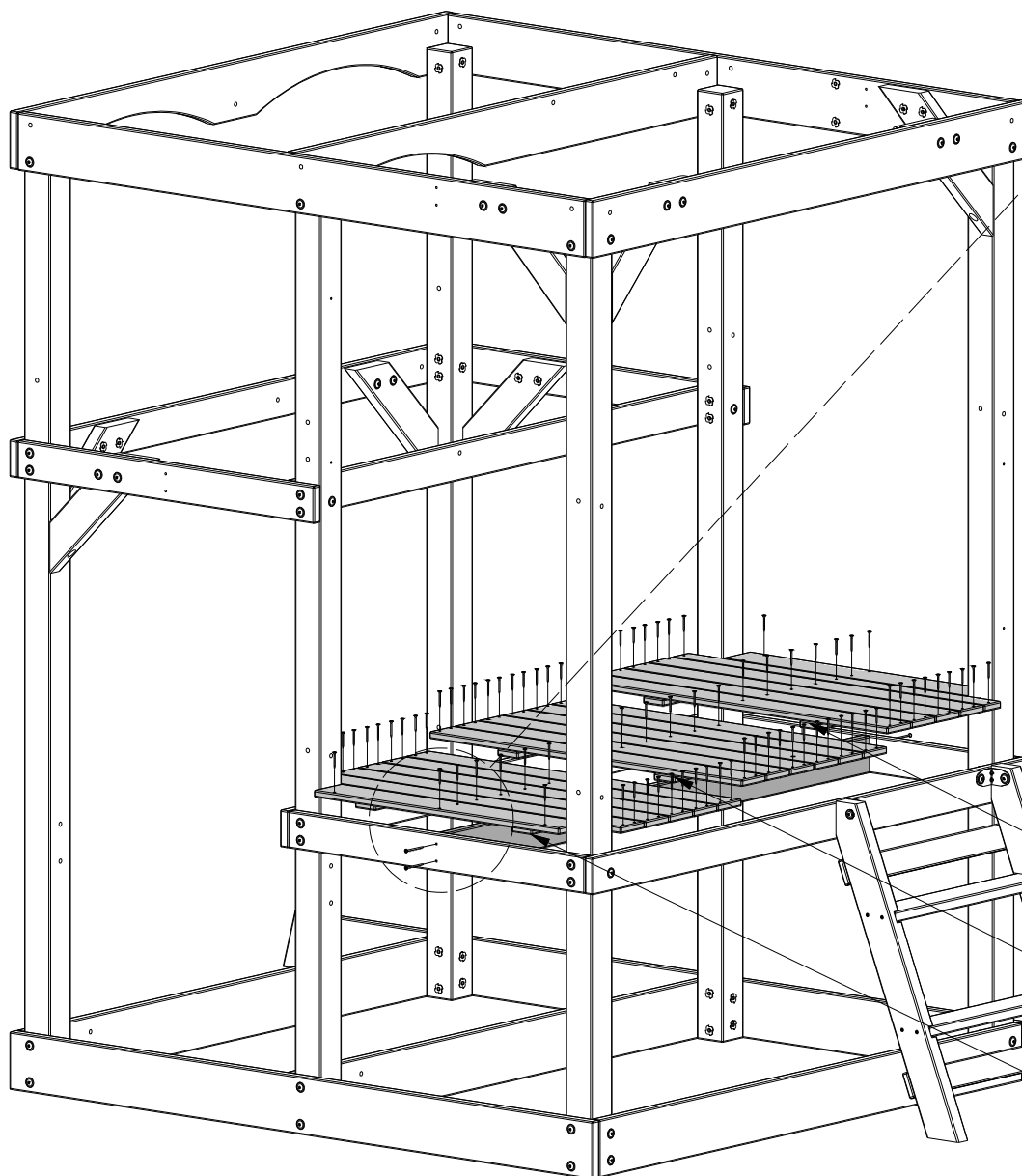
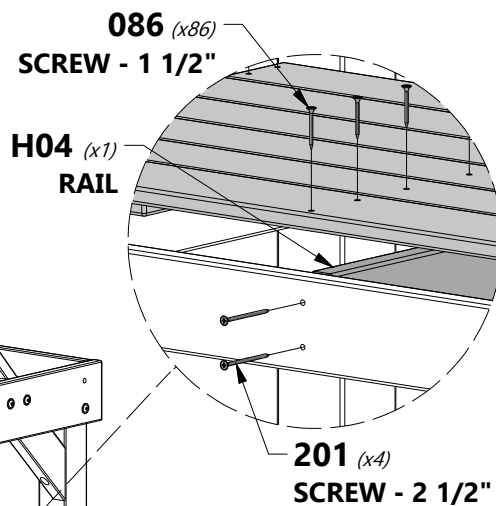
**H100201** | SCREW PFH BLK  
(x4) | 8x2-1/2



**H100086** | SCREW PFH  
(x86) | 8x1 1/2



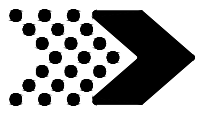
**NOTE:**  
INSTALL H04 RAIL FIRST, THEN  
INSTALL THE FLOOR PANELS AS  
SHOWN.



**HH1** (x1)  
FLOOR PANEL

**HH2** (x1)  
FLOOR PANEL

**HH3** (x1)  
FLOOR PANEL



A100314 (x1) "A" REVISION TAG



H100202 SCREW PWH BLK  
(x2) 8x5/8

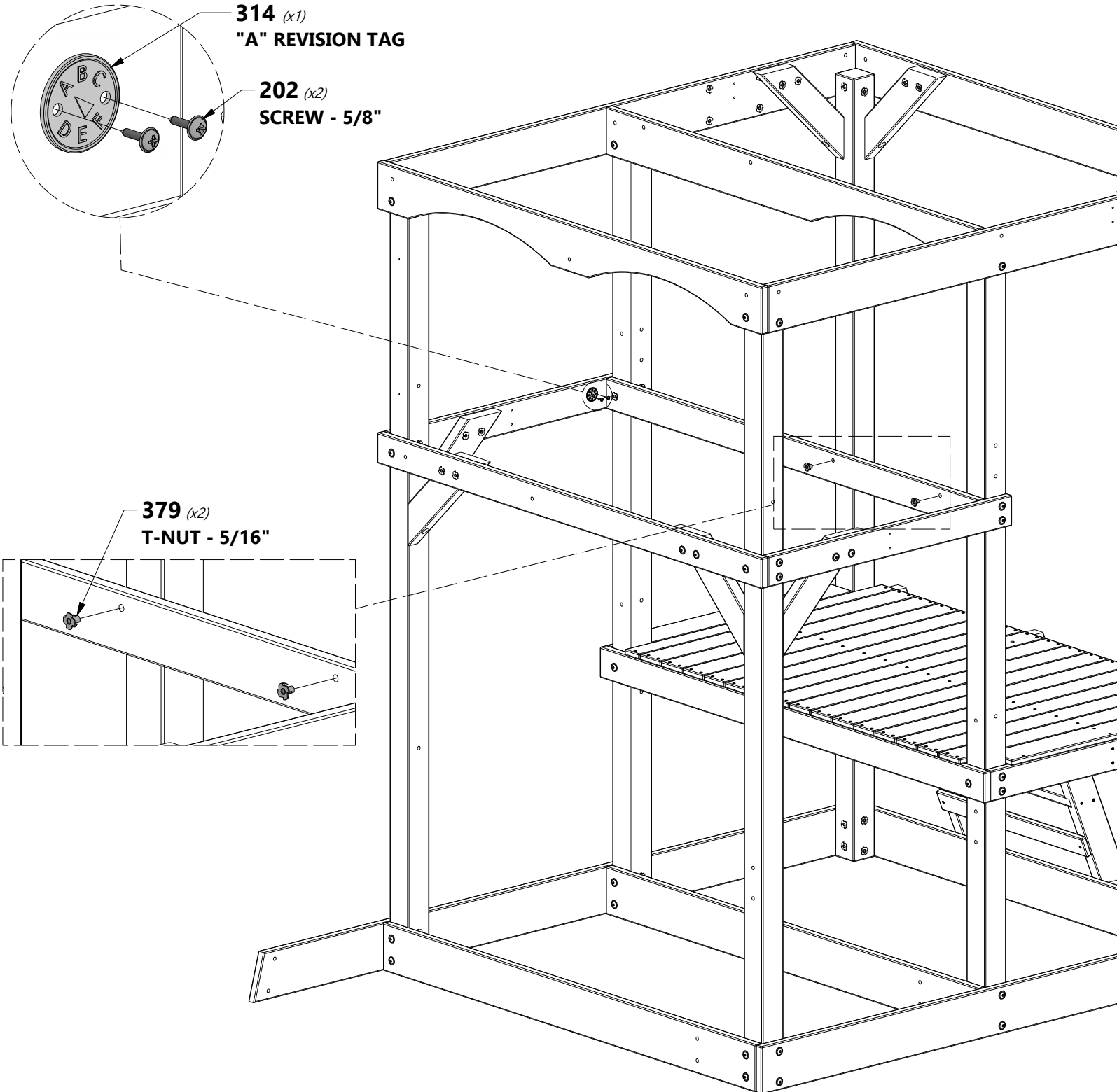


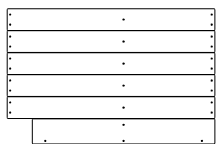
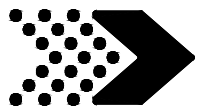
H100379 T-NUT BLK  
(x2) 5/16

314 (x1)  
"A" REVISION TAG

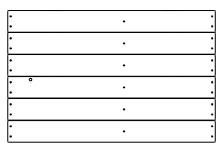
202 (x2)  
SCREW - 5/8"

379 (x2)  
T-NUT - 5/16"

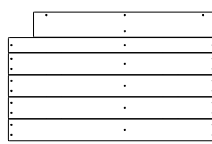




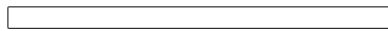
**HH4** FLOOR PANEL - W2A03075  
(x1) | 32 7/16"x1 1/4"x21 1/8" (824x32x536)



**HH5** FLOOR PANEL - W2A03076  
(x1) | 1 1/4"x20 9/16"x32 7/16" (32x522x824)



**HH6** FLOOR PANEL - W2A03077  
(x1) | 1 1/4"x20 1/8"x32 7/16" (32x510x824)



**H04** RAIL - W4L13928  
(x1) | 1"x3 3/8"x60" (24x86x1524)



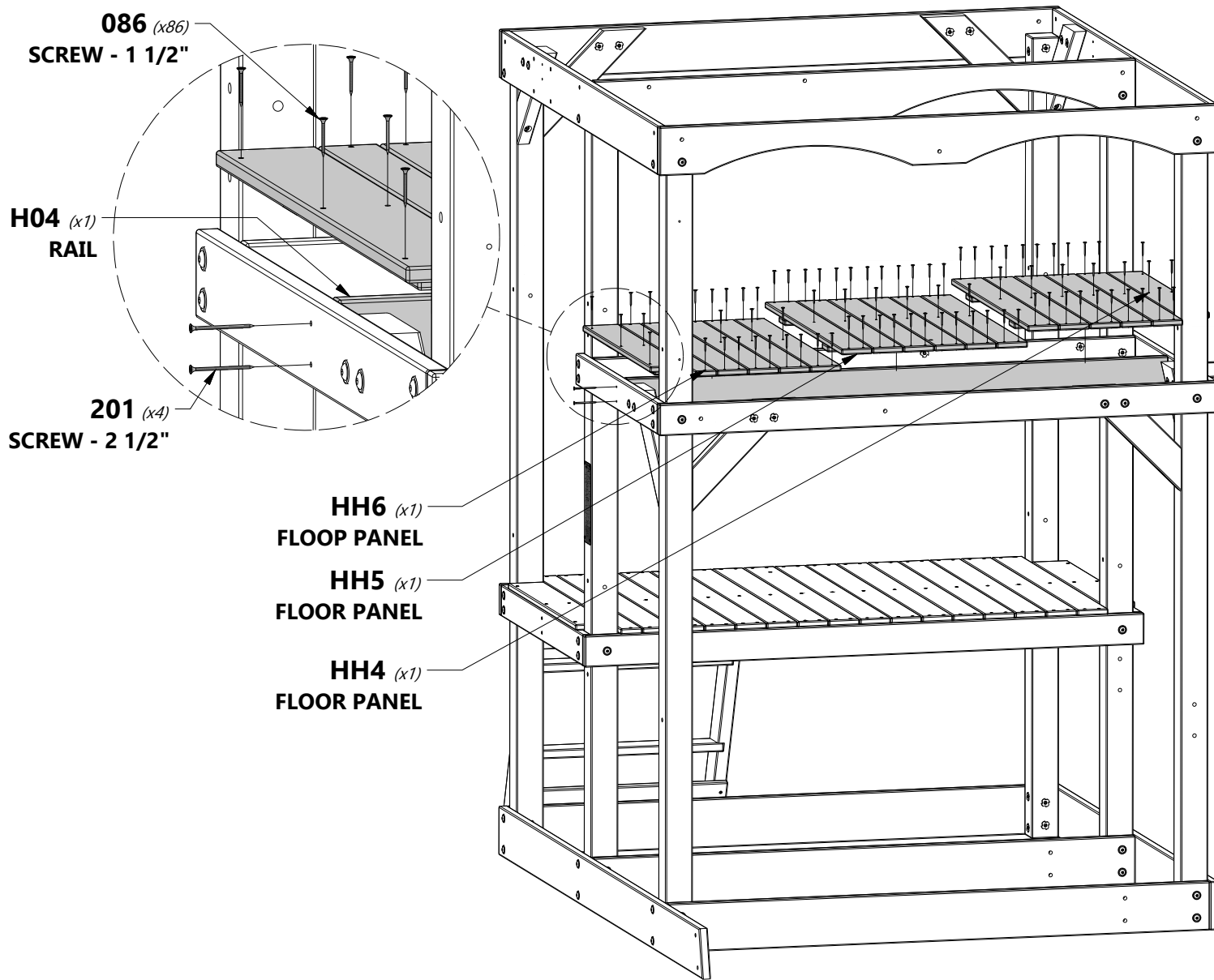
**H100201** SCREW PFH BLK  
(x4) | 8x2-1/2



**H100086** SCREW PFH  
(x86) | 8x1 1/2

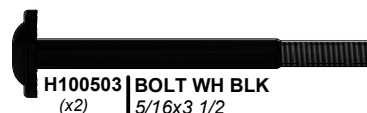


**NOTE:**  
INSTALL H04 RAIL FIRST, THEN  
INSTALL THE FLOOR PANELS AS  
SHOWN.





**M02** | WALL RAIL - W4L13943  
(x1) | 5/8"x3 3/8"x61 1/4" (16x86x1556)



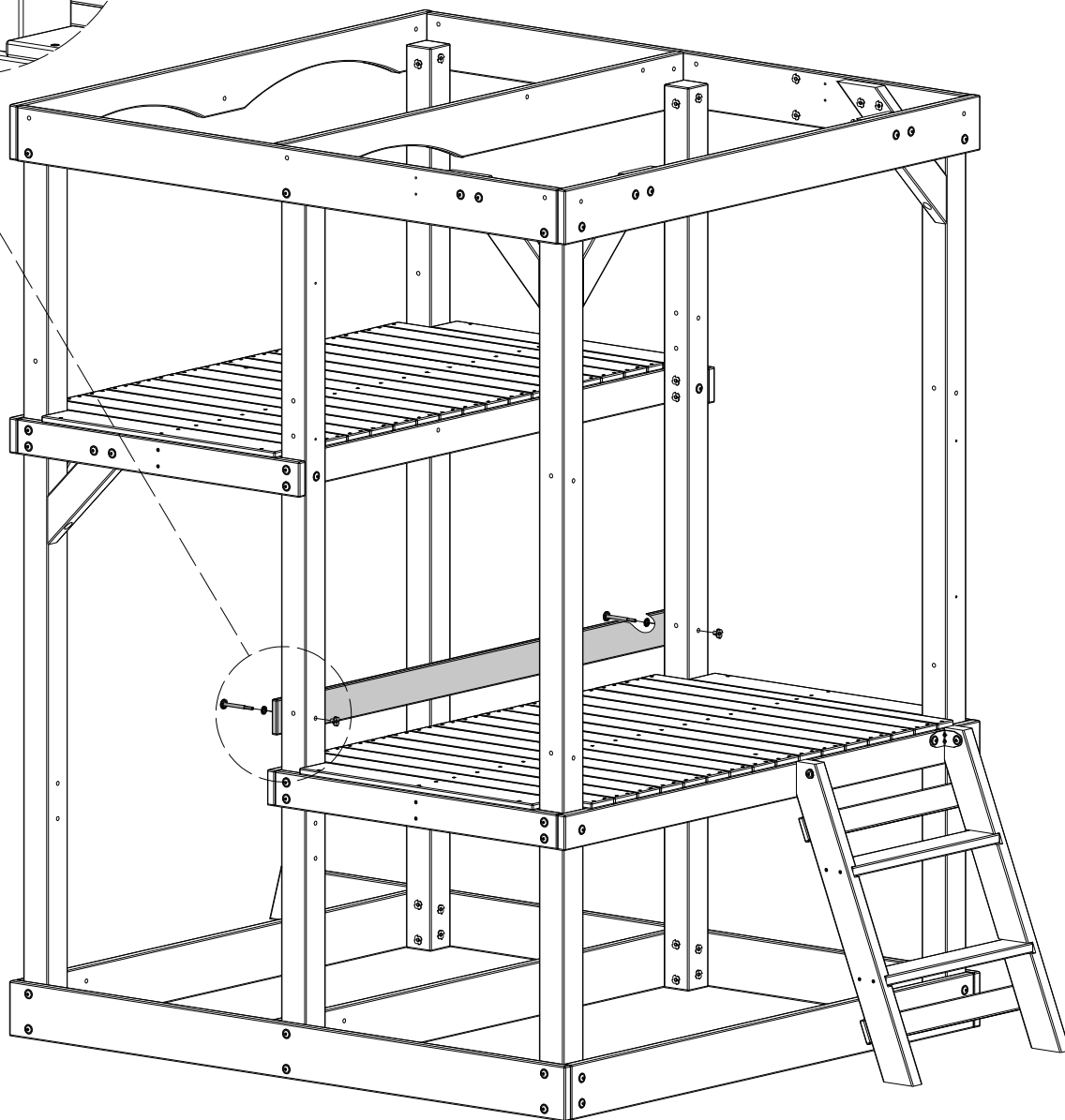
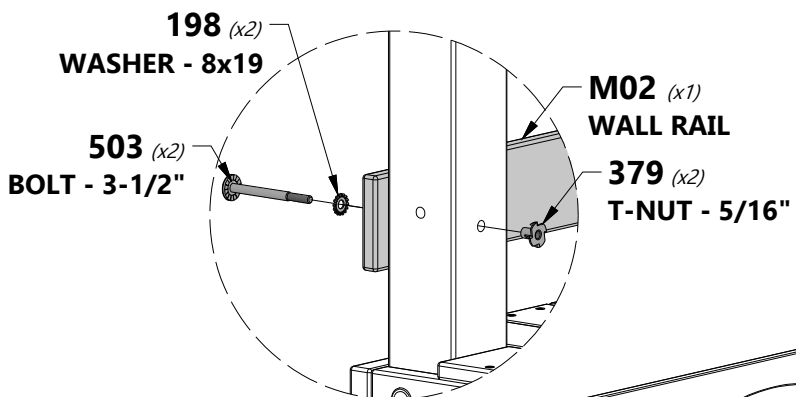
**H100503** | BOLT WH BLK  
(x2) | 5/16"x3 1/2"

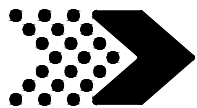


**H100198** | WASHER LOCK EXT BLK  
(x2) | 8x19



**H100379** | T-NUT BLK  
(x2) | 5/16"





**M03** | WALL BOARD - W4L13944  
(x1) | 5/8"x3 3/8"x52 3/8" (16x86x1332)



**M06** | WALL BOARD - W4L13952  
(x4) | 5/8"x3 3/8"x23 1/4" (16x86x591)

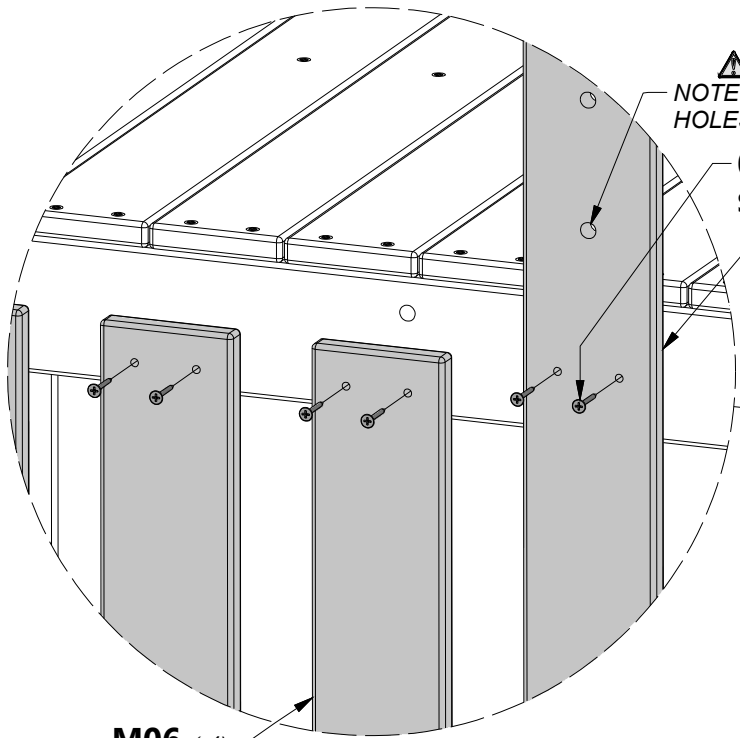
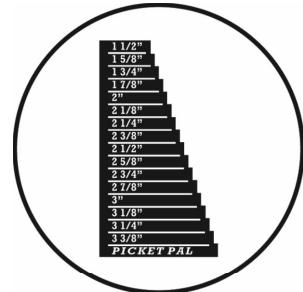


**H100088** | SCREW PFH  
(x22) | 8x1 1/8"



### NOTE:

LOCATE AND INSTALL THE M06 & M03 BOARDS AS SHOWN USING THE DIMENSIONS BELOW.

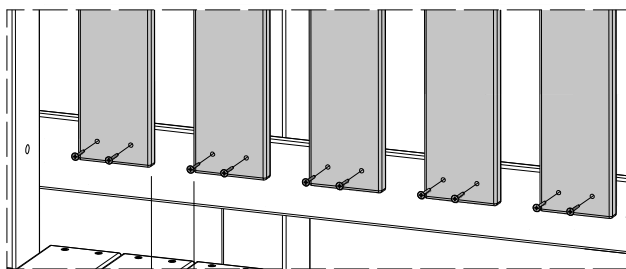


 NOTE PILOT HOLES.

**088** (x22)  
**SCREW - 1 1/8"**

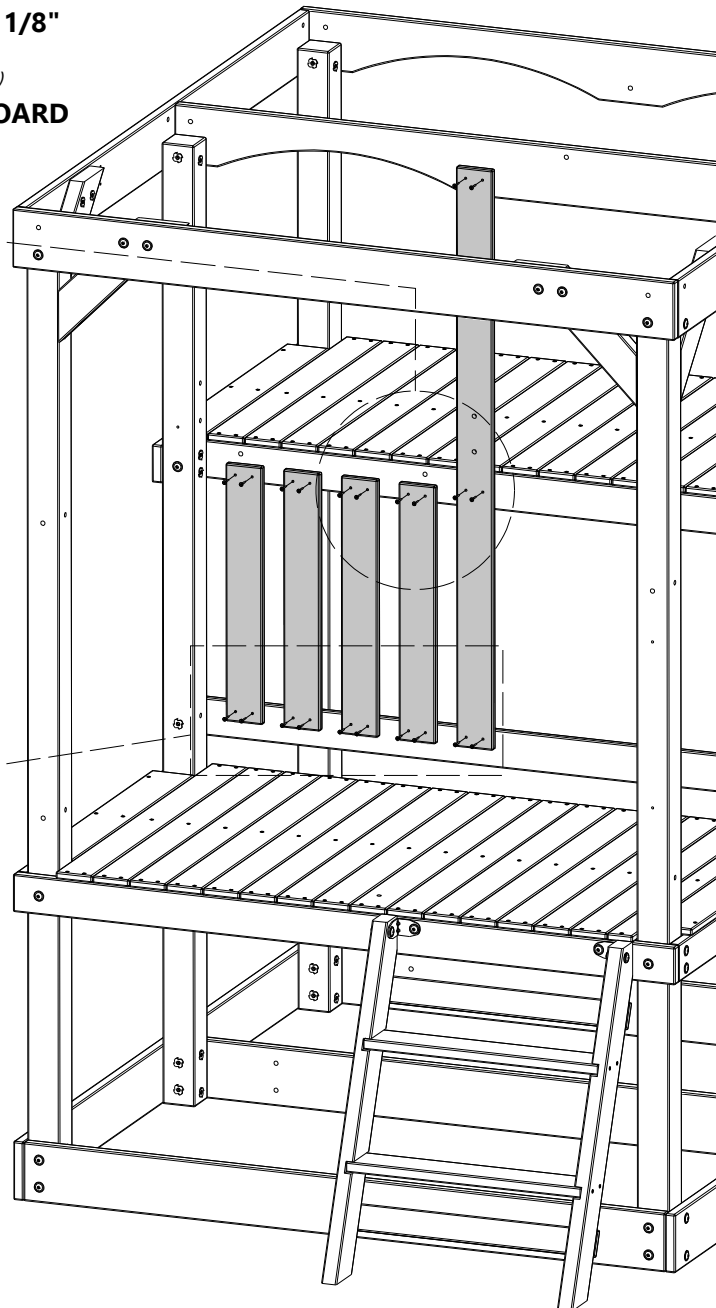
**M03** (x1)  
**WALL BOARD**

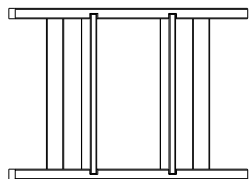
**M06** (x4)  
**WALL BOARD**



2 in  
[51 mm]

1 3/4 in  
[44 mm]

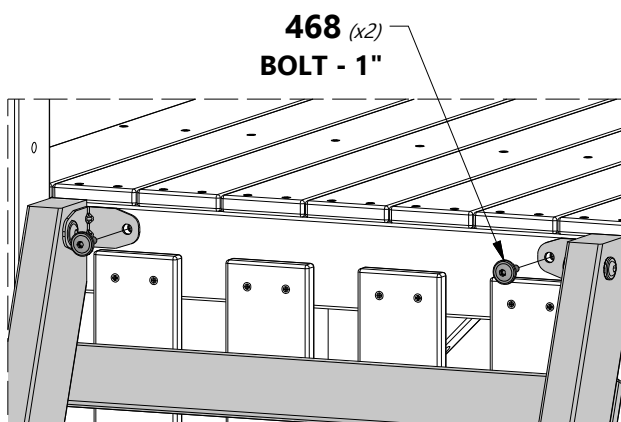




**LADDER ASSEMBLY**  
FROM PREVIOUS STEPS

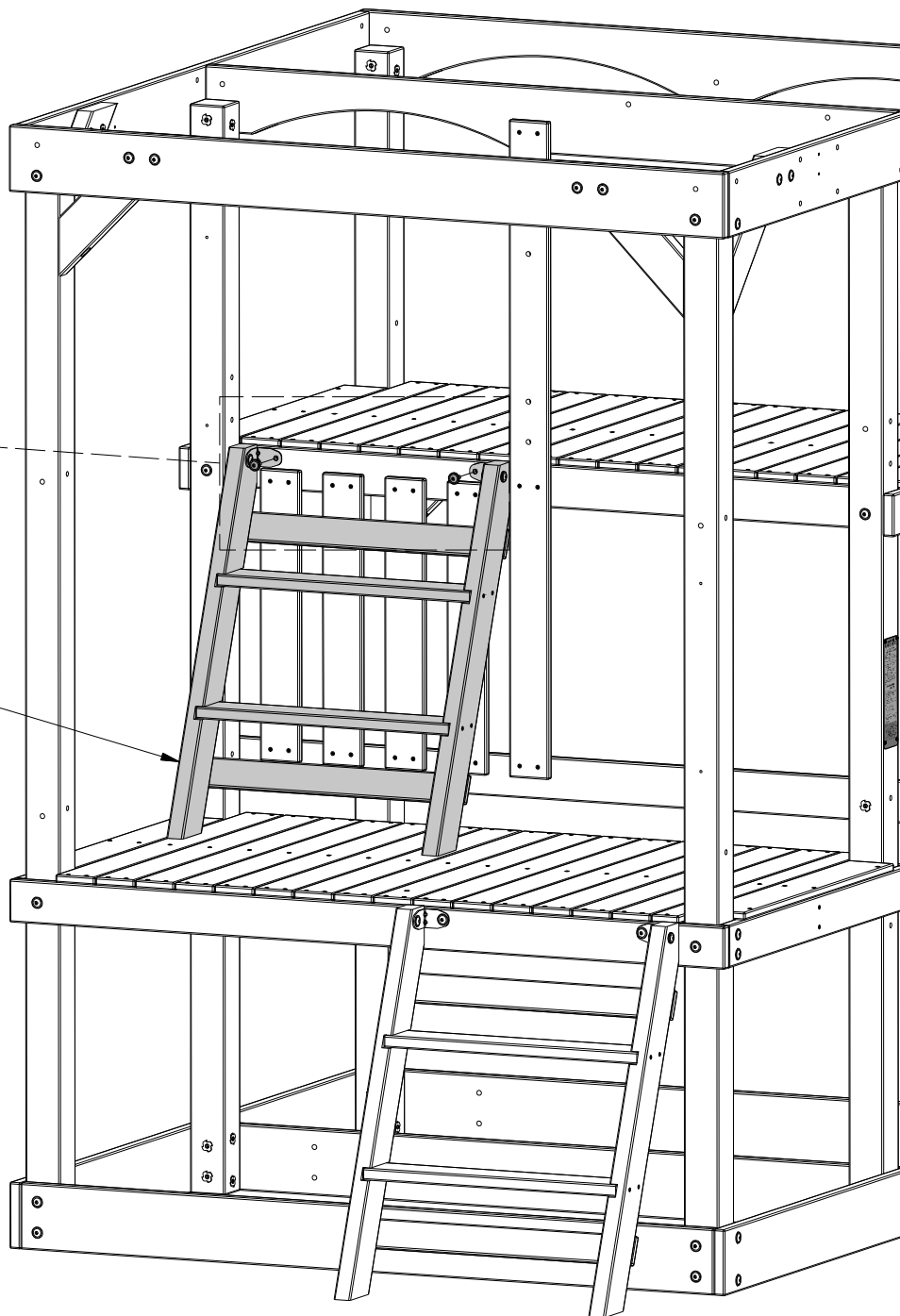


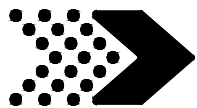
**H100468 BOLT WH BLK**  
(x2) | 5/16x1



**468 (x2)**  
**BOLT - 1"**

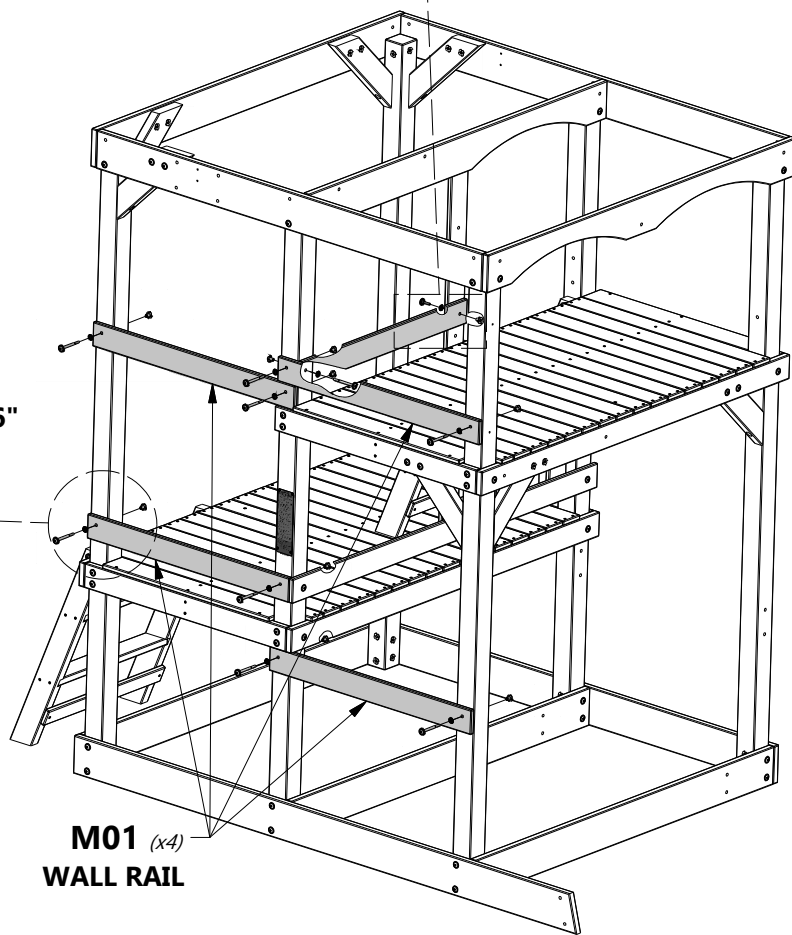
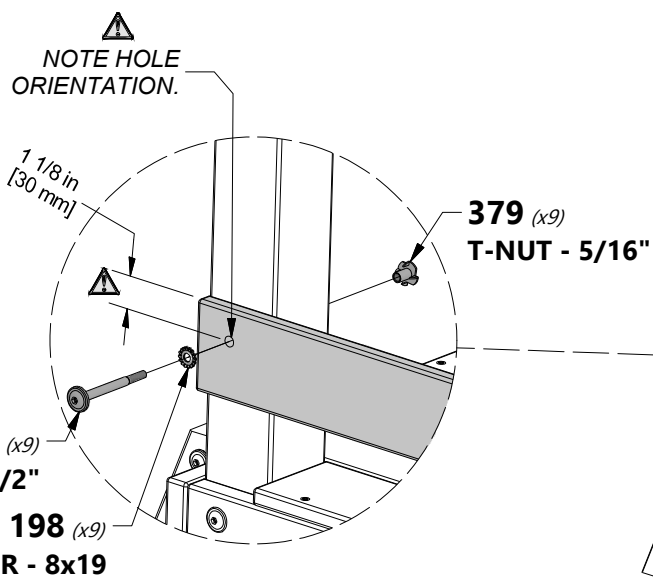
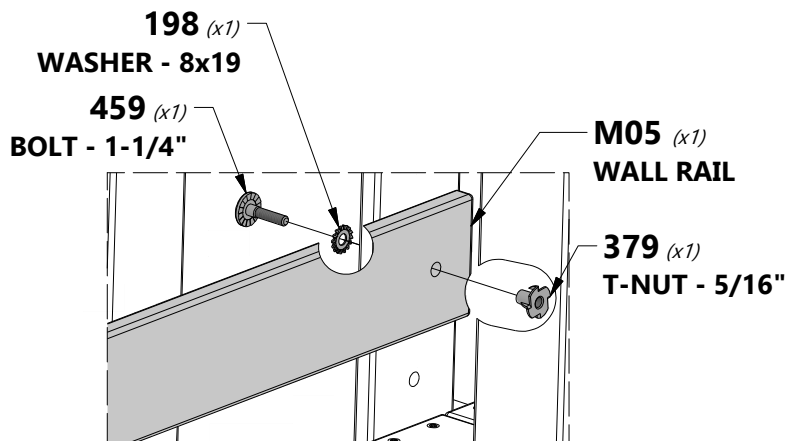
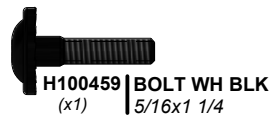
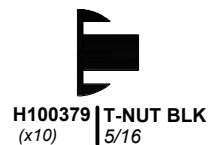
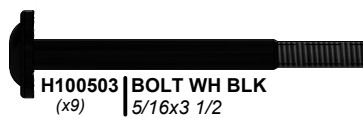
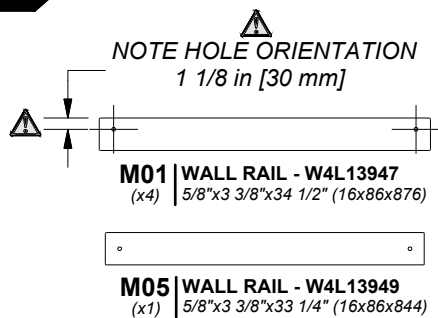
**LADDER ASSEMBLY (x1)**  
FROM PREVIOUS STEPS

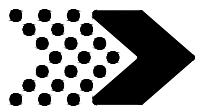




# FORT ASSEMBLY

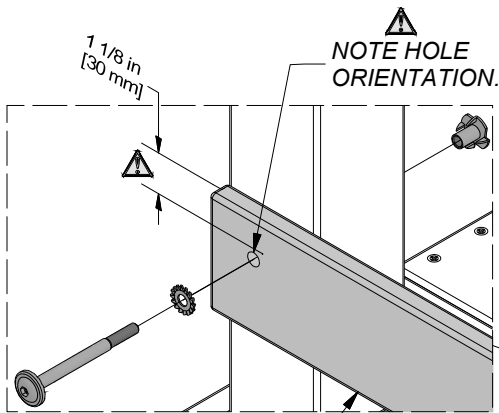
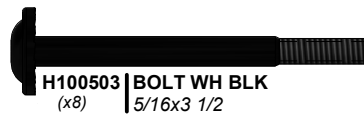
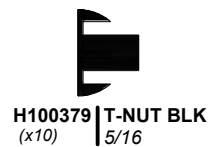
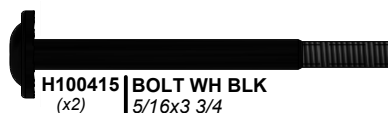
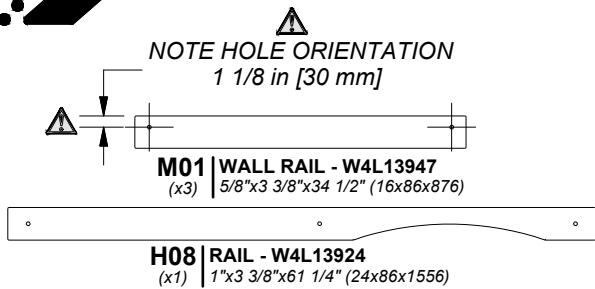
# STEP 13



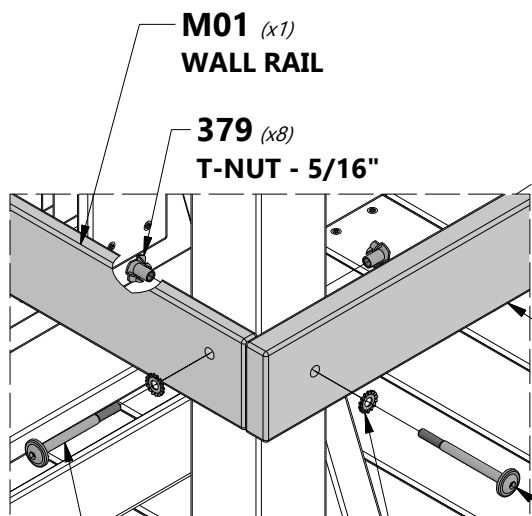
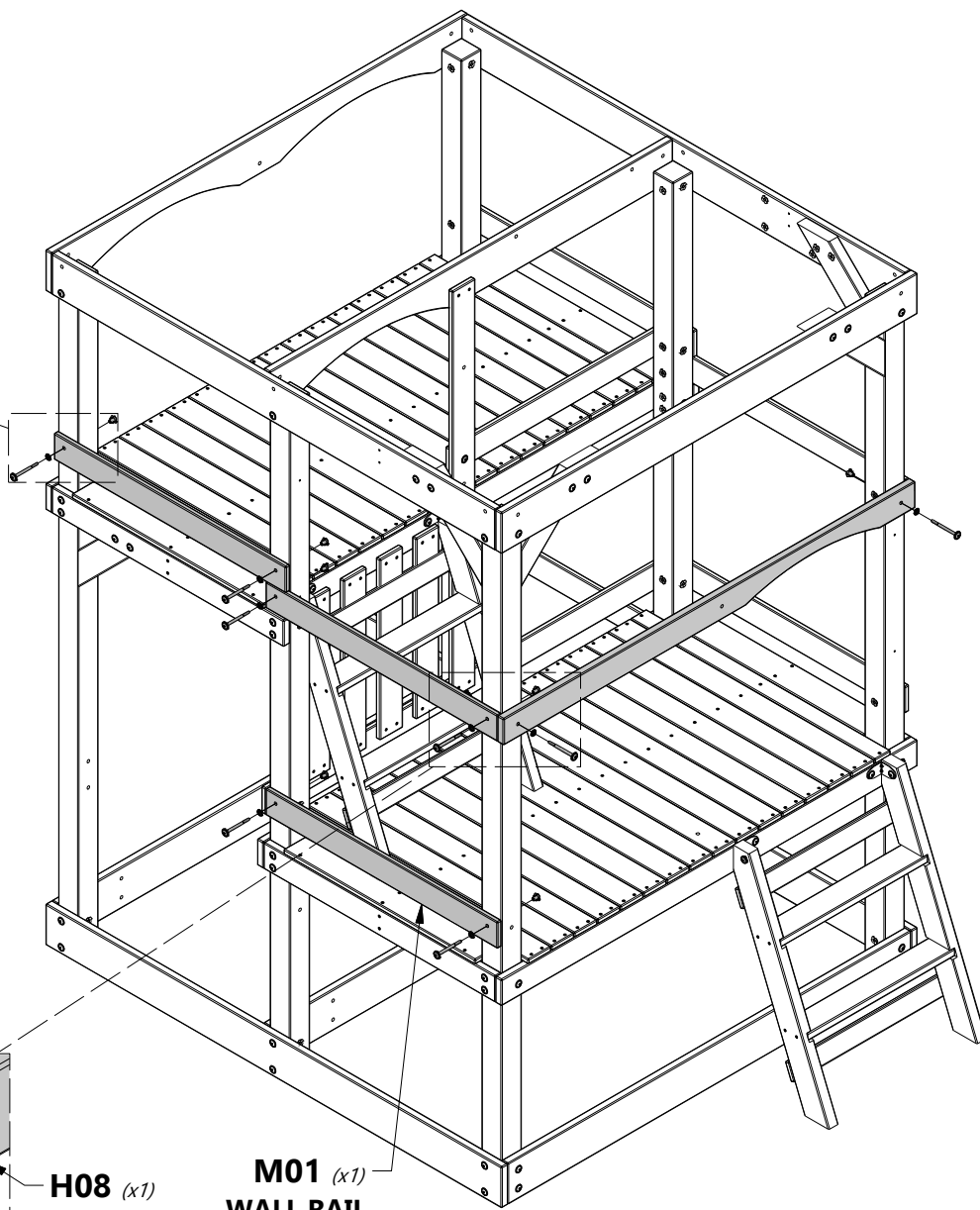


# FORT ASSEMBLY

# STEP 14



**M01 (x1)**  
**WALL RAIL**

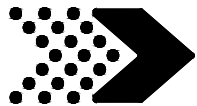


**503 (x6)**  
**BOLT - 3-1/2"**

**198 (x8)**  
**WASHER - 8x19**

**H08 (x1)**  
**RAIL**

**415 (x2)**  
**BOLT - 3-3/4"**



# FORT ASSEMBLY

# STEP 15

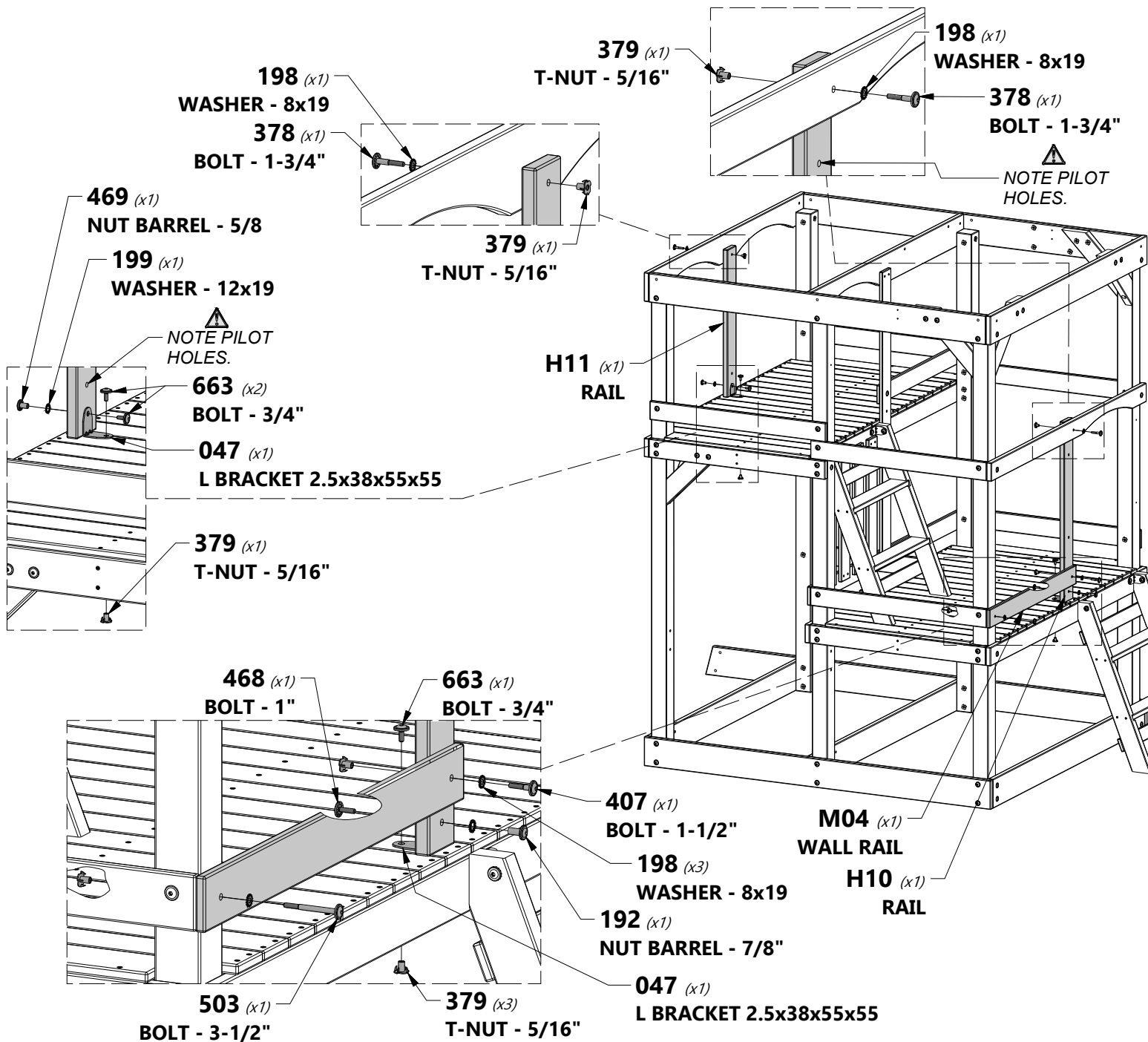
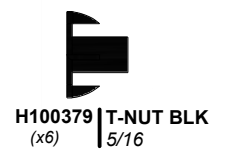
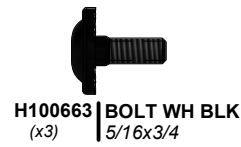
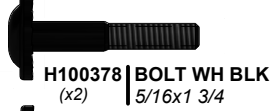
**M04** | WALL RAIL - W4L13946  
(x1) | 5/8"x3 3/8"x34 1/8" (16x86x868)

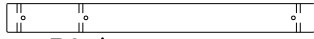
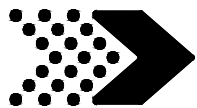


**H10** | RAIL - W4L13934  
(x1) | 1"x3 3/8"x32 3/4" (24x86x833)



**H11** | RAIL - W4L13937  
(x1) | 1"x3 3/8"x26 7/8" (24x86x681)

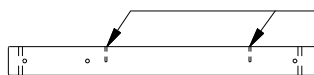




**B07** | POST - W4L13903  
(x1) 3"x3"x32" (76x76x814)



**B09** | POST - W4L13904  
(x2) 3"x3"x32" (76x76x814)

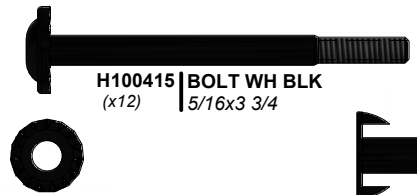


**B08** | POST - W4L13975  
(x1) 3"x3"x32" (76x76x814)



**B10** | POST - W4L13905  
(x2) 3"x3"x28 1/2" (76x76x724)

NOTE PILOT HOLES.



**H100415** | BOLT WH BLK  
(x12) 5/16x3 3/4

**H100379** | T-NUT BLK  
(x12) 5/16



**NOTE:**  
USE THE PILOT HOLES TO ORIENTATE EACH POST AND ASSEMBLE AS SHOWN.

**415** (x12)  
BOLT - 3-3/4"

**198** (x12)  
WASHER - 8x19

**379** (x12)  
T-NUT - 5/16"

**B07** (x1)  
POST

**B08** (x1)  
POST

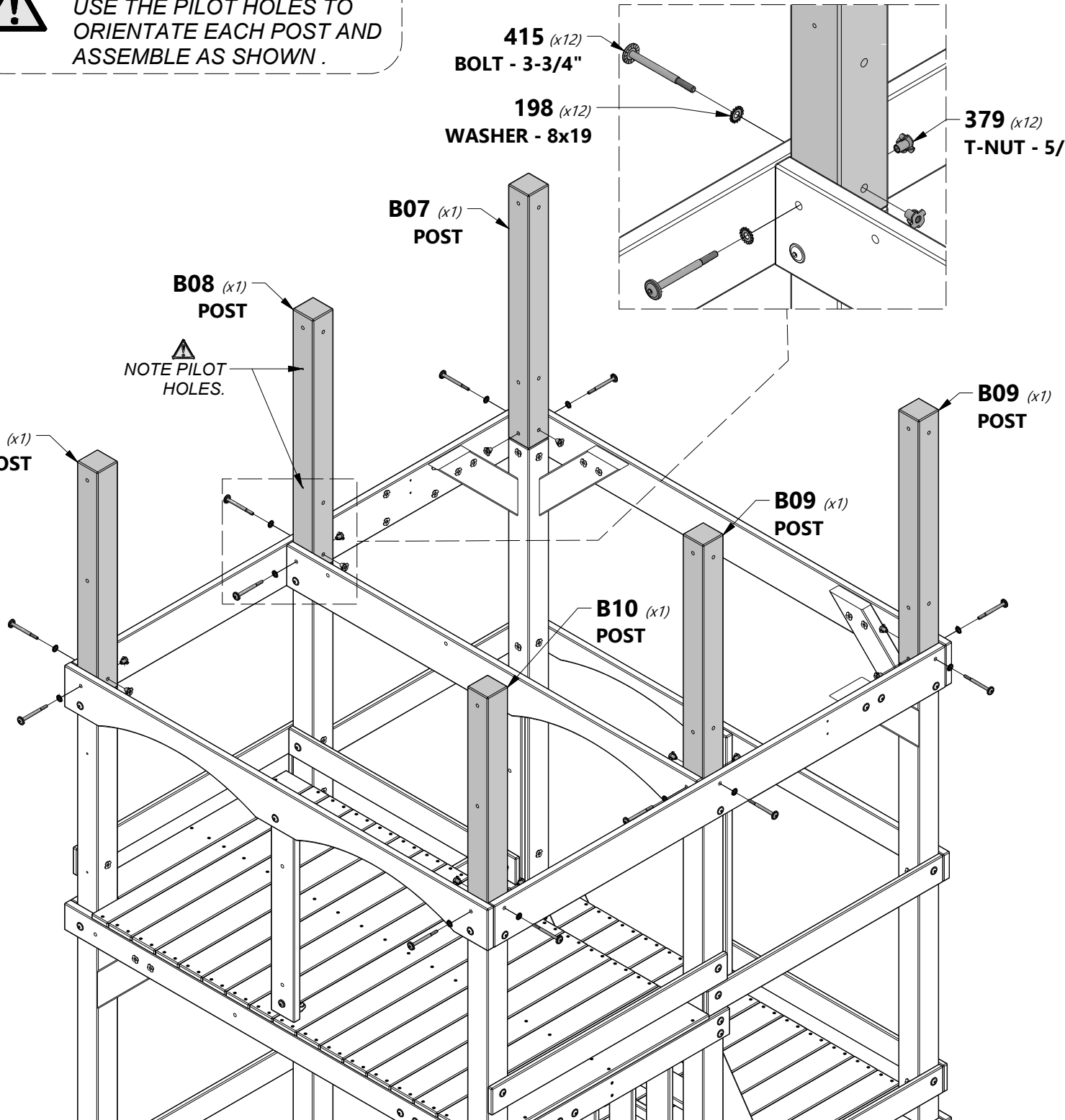
NOTE PILOT HOLES.

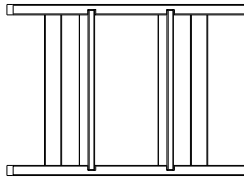
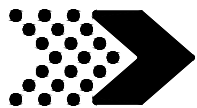
**B09** (x1)  
POST

**B09** (x1)  
POST

**B10** (x1)  
POST

**B10** (x1)  
POST





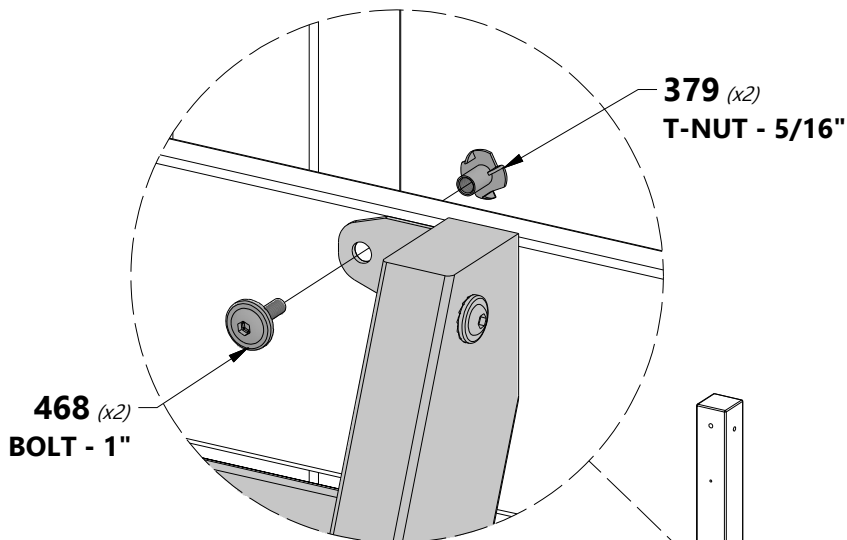
**LADDER ASSEMBLY**  
FROM PREVIOUS STEPS



**H100468** | BOLT WH BLK  
(x2) | 5/16x1



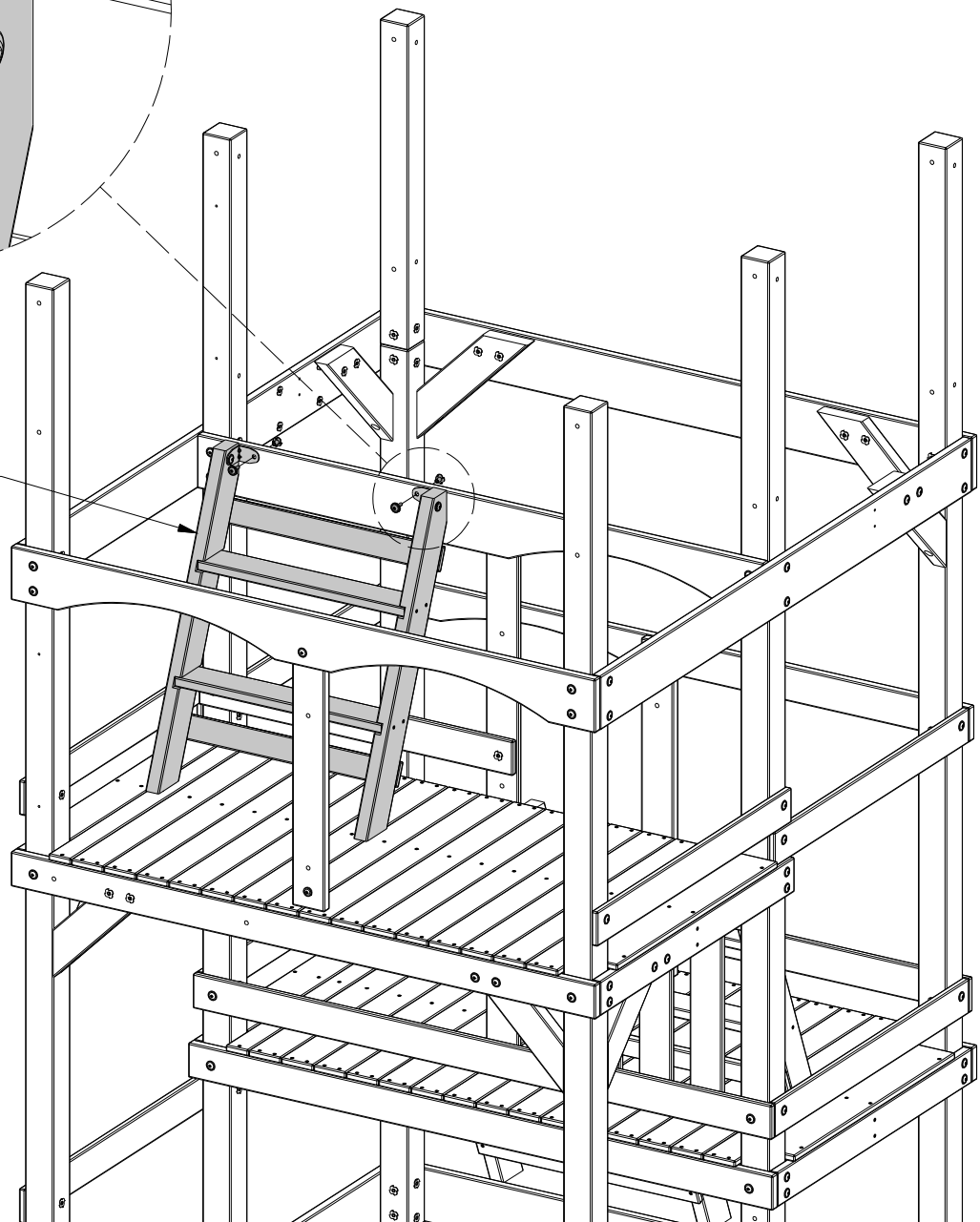
**H100379** | T-NUT BLK  
(x2) | 5/16

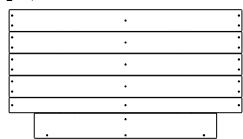
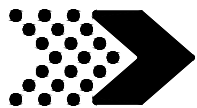


**379** (x2)  
T-NUT - 5/16"

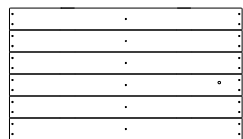
**468** (x2)  
BOLT - 1"

**LADDER ASSEMBLY** (x1)  
FROM PREVIOUS STEPS

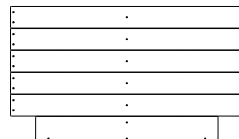




**HH1** | FLOOR PANEL - W2A03079  
(x1) | 1 1/4"x20 1/8"x36 3/8" (32x510x924)



**HH7** | FLOOR PANEL - W2A03087  
(x1) | 36 3/8"x1 1/4"x20 9/16" (924x32x522)




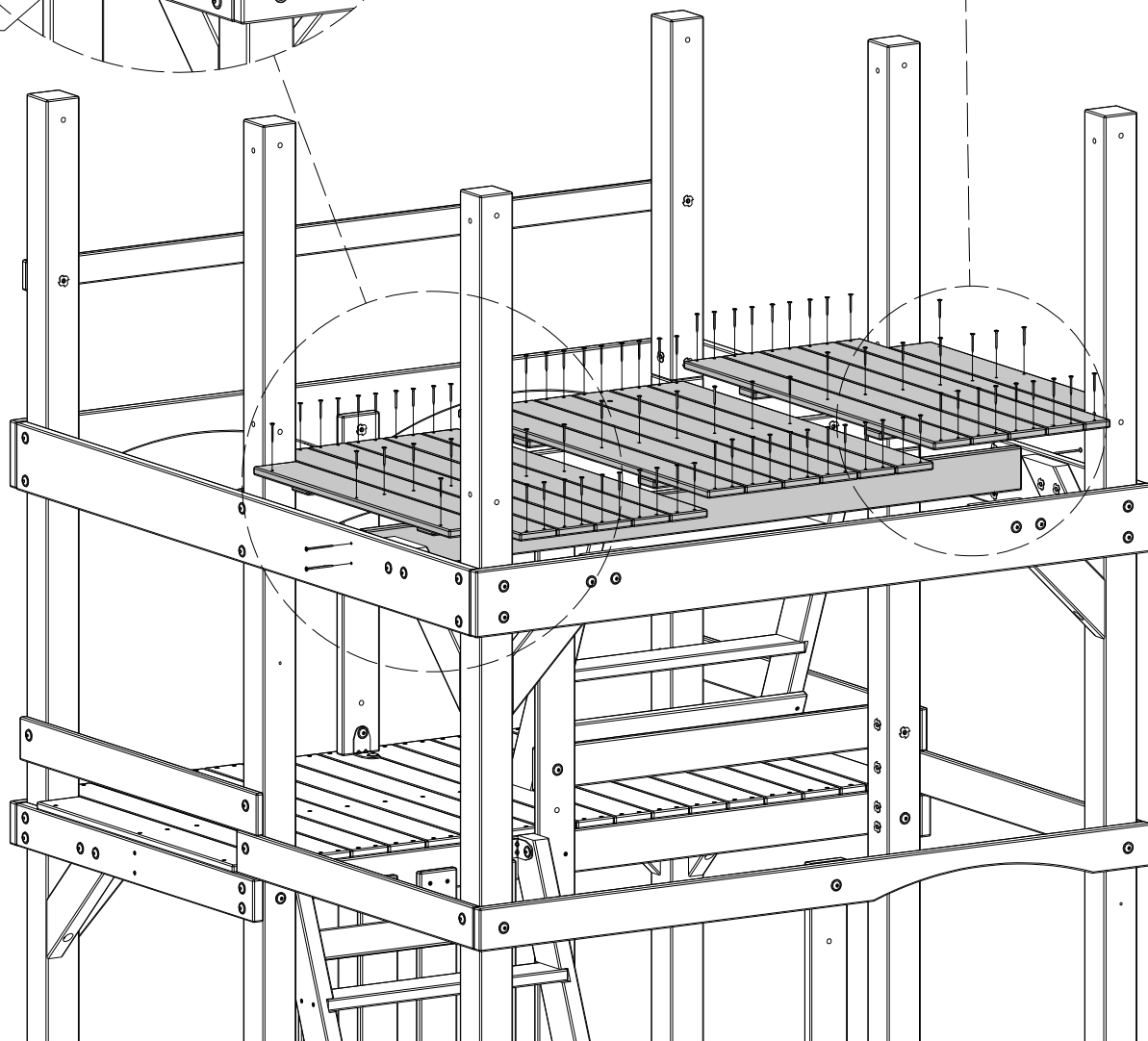
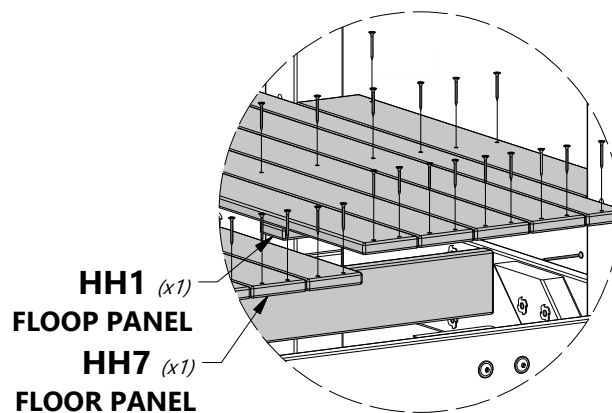
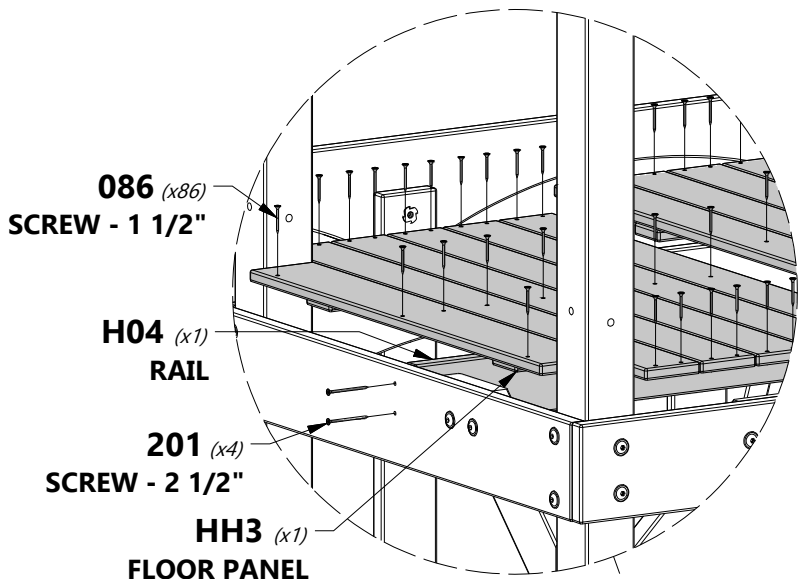
**HH3** | FLOOR PANEL - W2A03078  
(x1) | 36 3/8"x1 1/4"x21 1/8" (924x32x536)

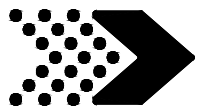


**H04** | RAIL - W4L13928  
(x1) | 1"x3 3/8"x60" (24x86x1524)

 **H100201** | SCREW PFH BLK  
(x4) | 8x2-1/2

 **H100086** | SCREW PFH  
(x86) | 8x1 1/2





**M01** | WALL RAIL - W4L13947  
(x4) | 5/8"x3 3/8"x34 1/2" (16x86x876)

**H13** | RAIL - W4L13923  
(x1) | 1"x3 3/8"x66" (24x86x1676)

**H100503** | BOLT WH BLK  
(x10) | 5/16x3 1/2

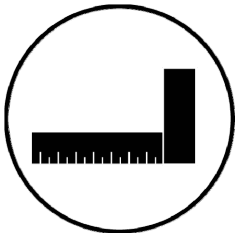
**H100379** | T-NUT 5/16 BLK  
(x14)

**M02** | WALL RAIL - W4L13943  
(x1) | 5/8"x3 3/8"x61 1/4" (16x86x1556)

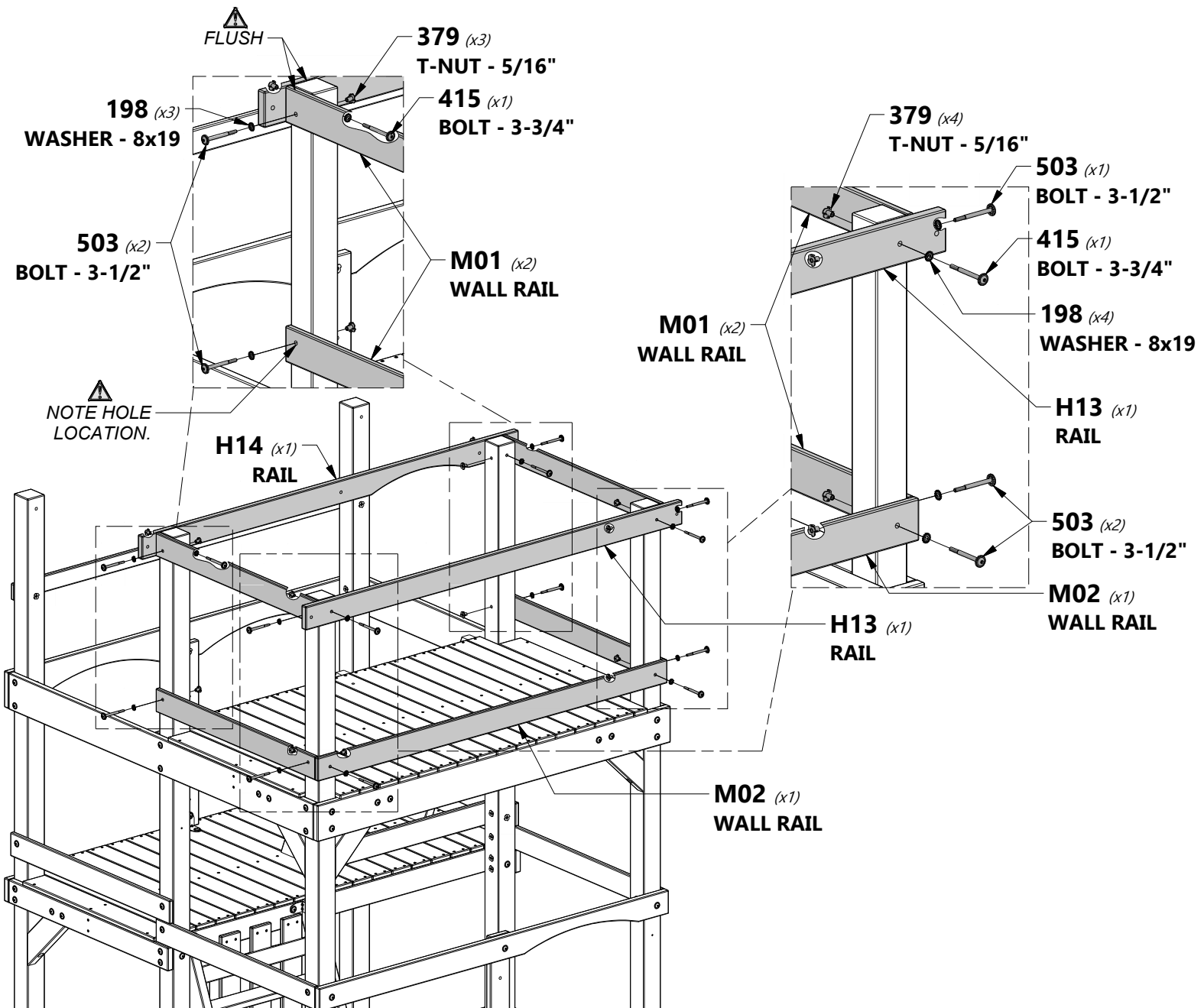
**H14** | RAIL - W4L13922  
(x1) | 1"x3 3/8"x66" (24x86x1676)

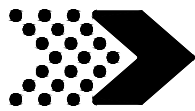
**H100415** | BOLT WH BLK  
(x4) | 5/16x3 3/4

**H100198** | WASHER LOCK  
(x14) | EXT 8x19 BLK



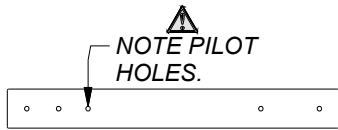
**NOTE:**  
REPEAT THIS ON BOTH  
SIDES WHERE SHOWN.





# FORT ASSEMBLY

# STEP 20



**H18** | RAIL - W4L13935  
(x1) | 1"x3 3/8"x28 3/4" (24x86x731)



**A4M01047** | L BRACKET  
(x1) | 2.5x38x55x55



**M04** | WALL RAIL - W4L13946  
(x1) | 5/8"x3 3/8"x34 1/8" (16x86x868)



**H100503** | BOLT WH BLK  
(x1) | 5/16x3 1/2



**H100663** | BOLT WH BLK  
(x2) | 5/16x3/4



**H100378** | BOLT WH BLK  
(x1) | 5/16x1 3/4



**H100469** | NUT BARREL WH BLK  
(x1) | 5/16x5/8



**H100198** | WASHER LOCK  
(x3) | EXT 8x19 BLK



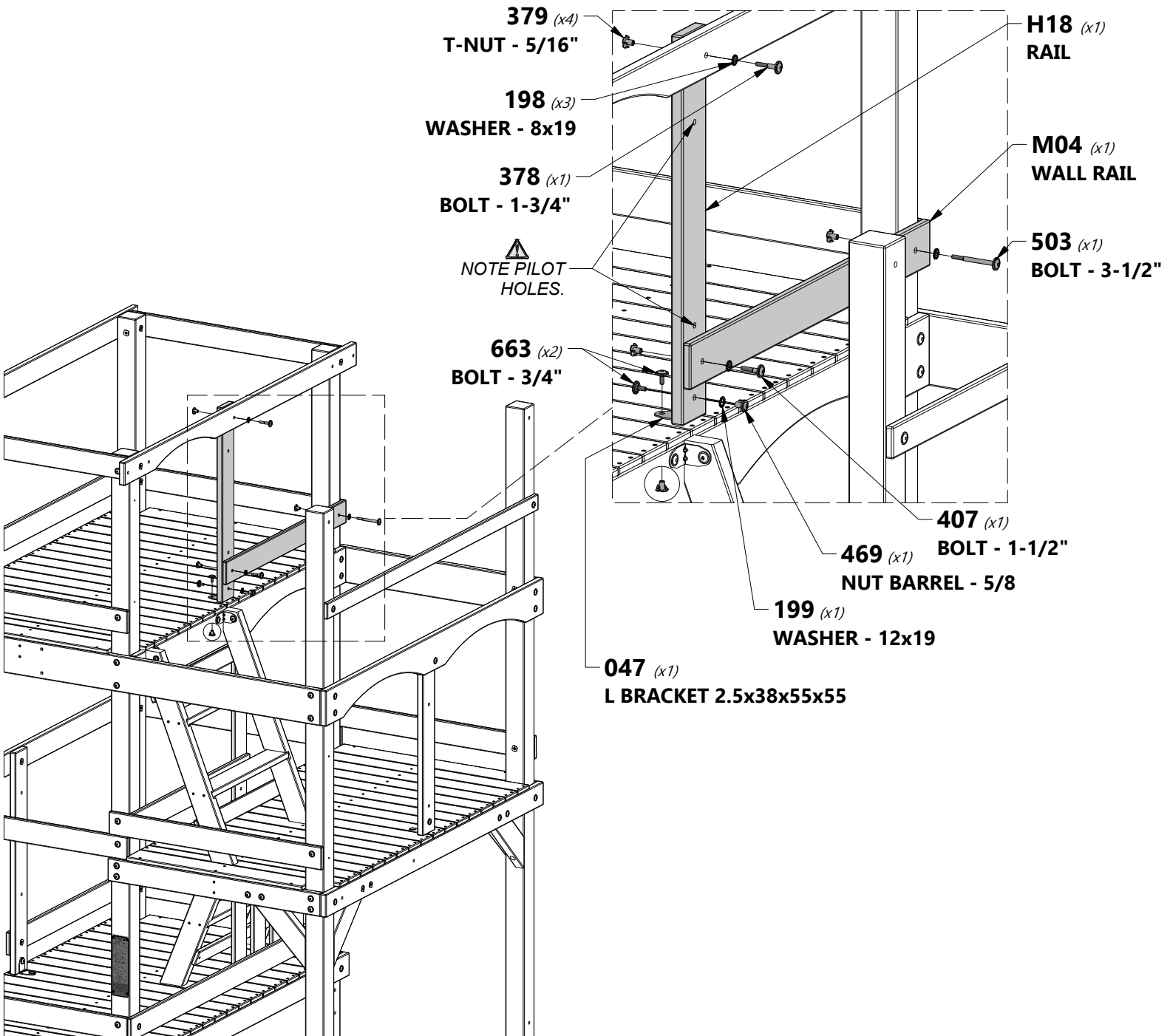
**H100407** | BOLT WH BLK  
(x1) | 5/16x1 1/2

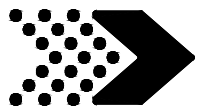


**H100379** | T-NUT BLK  
(x4) | 5/16



**H100199** | WASHER LOCK  
(x1) | EXT 12x19 BLK





**N03** GABLE BOARD - W4L13956  
(x2) 5/8"x2 3/8"x34" (16x60x864)

**K01** SUNBURST - W4L13914  
(x2) 5/8"x5 1/4"x13 1/2" (16x134x344)

**H15** RAFTER - W4L13929  
(x2) 1"x3 3/8"x49 3/4" (24x86x1262)

**H100380** SCREW PFH BLK  
(x26) 8x1 1/8

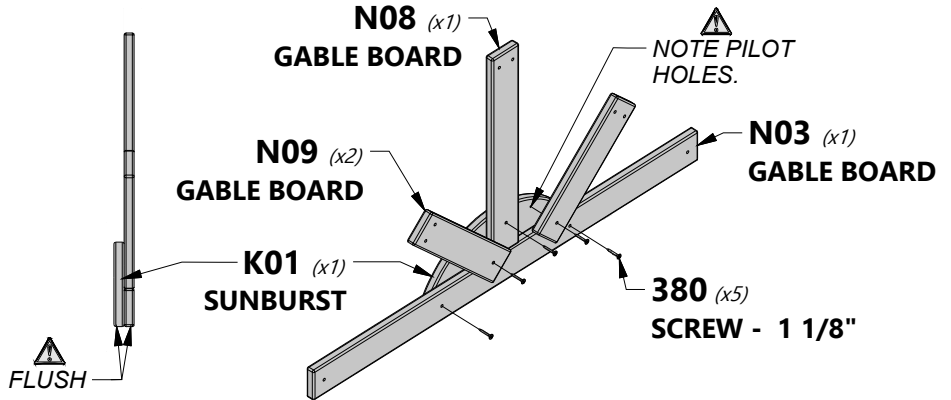
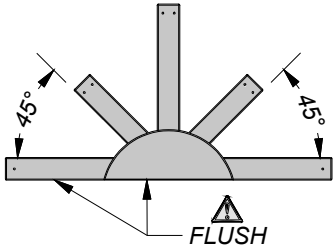
**N08** GABLE BOARD - W4L13961  
(x2) 5/8"x2 3/8"x16" (16x60x406)

**N09** GABLE BOARD - W4L13962  
(x4) 5/8"x2 3/8"x10" (16x60x254)

**H17** RAFTER - W4L13930  
(x2) 1"x3 3/8"x49 7/8" (24x86x1268)

## COMPLETE THIS TWICE TO MAKE TWO SUNBURST ASSEMBLIES

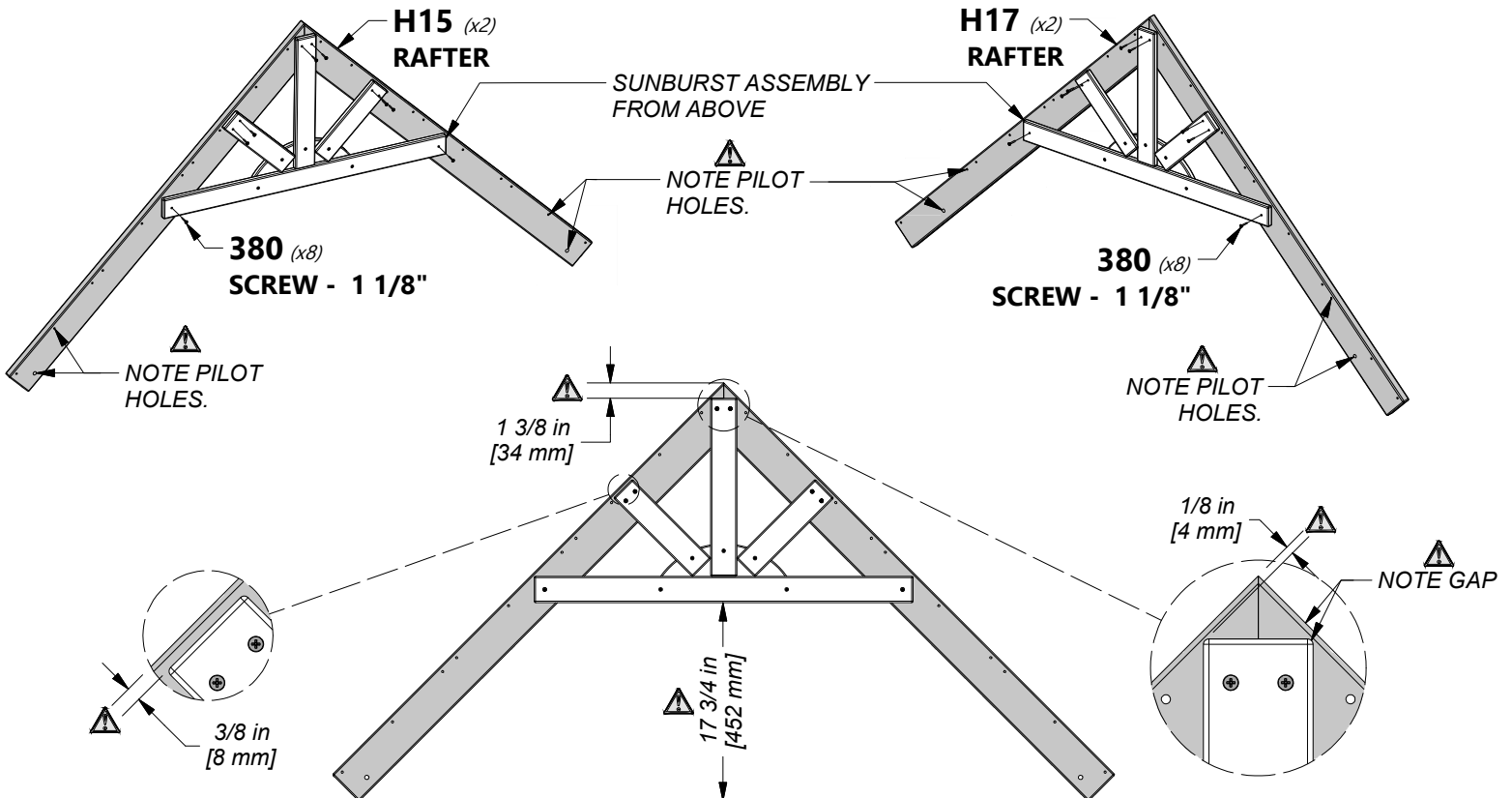
**NOTE:**  
INSTALL N09 BOARDS AT APPROXIMATELY 45° AS SHOWN.



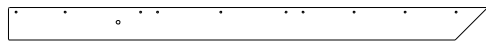
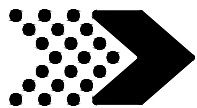
**NOTE:** ASSEMBLE BOTH GABLE PANELS AS SHOWN. USE THE DIMENSIONS BELOW TO PLACE THE SUNBURST ASSEMBLIES AND ENSURE THERE'S A GAP ON ALL SIDES OF THE SUNBURST ASSEMBLIES AS SHOWN.

### UPPER GABLE ASSEMBLY

### LOWER GABLE ASSEMBLY



NOTE: BOTH GABLE ASSEMBLIES WILL BE USED IN A LATER STEP.



**H16** | RAFTER - W4L13931  
(x2) | 1"x3 3/8"x49 7/8" (24x86x1268)



**N10** | GABLE BOARD - W4L13963  
(x1) | 5/8"x2 3/8"x3" (16x60x76)



**H100378** | BOLT WH BLK  
(x2) | 5/16x1 3/4



**H100198** | WASHER LOCK  
(x2) | EXT 8x19 BLK



**H100379** | T-NUT 5/16 BLK  
(x2)



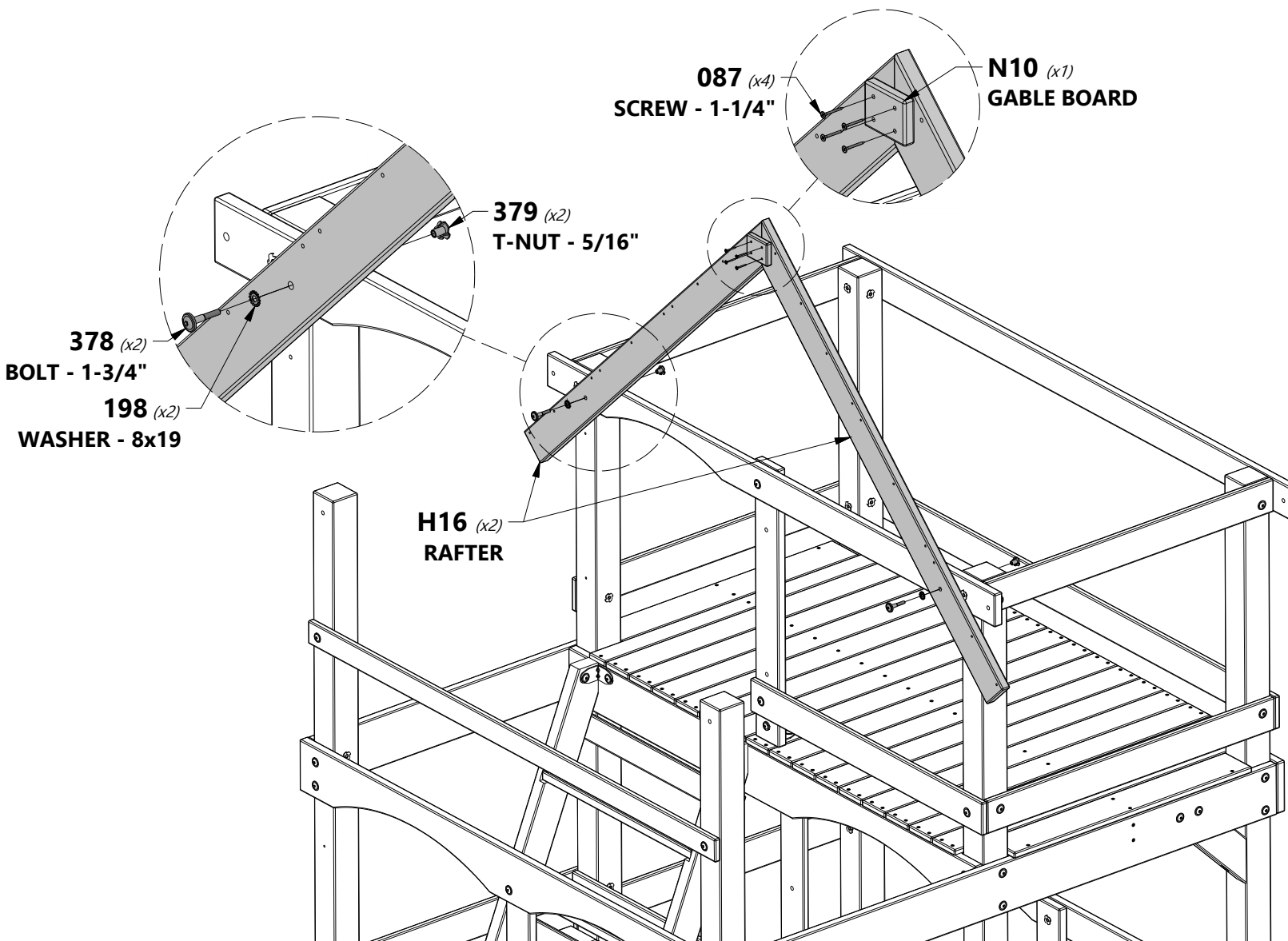
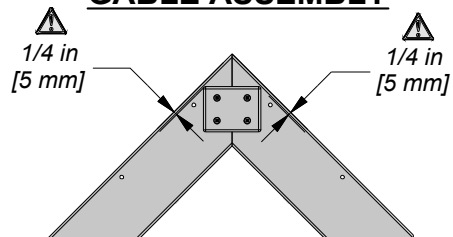
**H100087** | SCREW PFH  
(x4) | 8x1 1/4

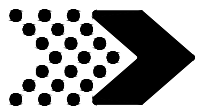


### NOTE:

CENTER N10 BOARD BETWEEN BOTH H16 BOARDS & LEAVE CLEARANCE BETWEEN THE TOP EDGE OF BOTH H16 BOARDS AND INSTALL AS SHOWN.

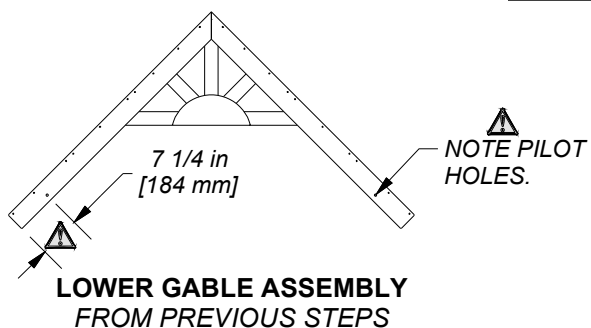
### GABLE ASSEMBLY





# FORT ASSEMBLY

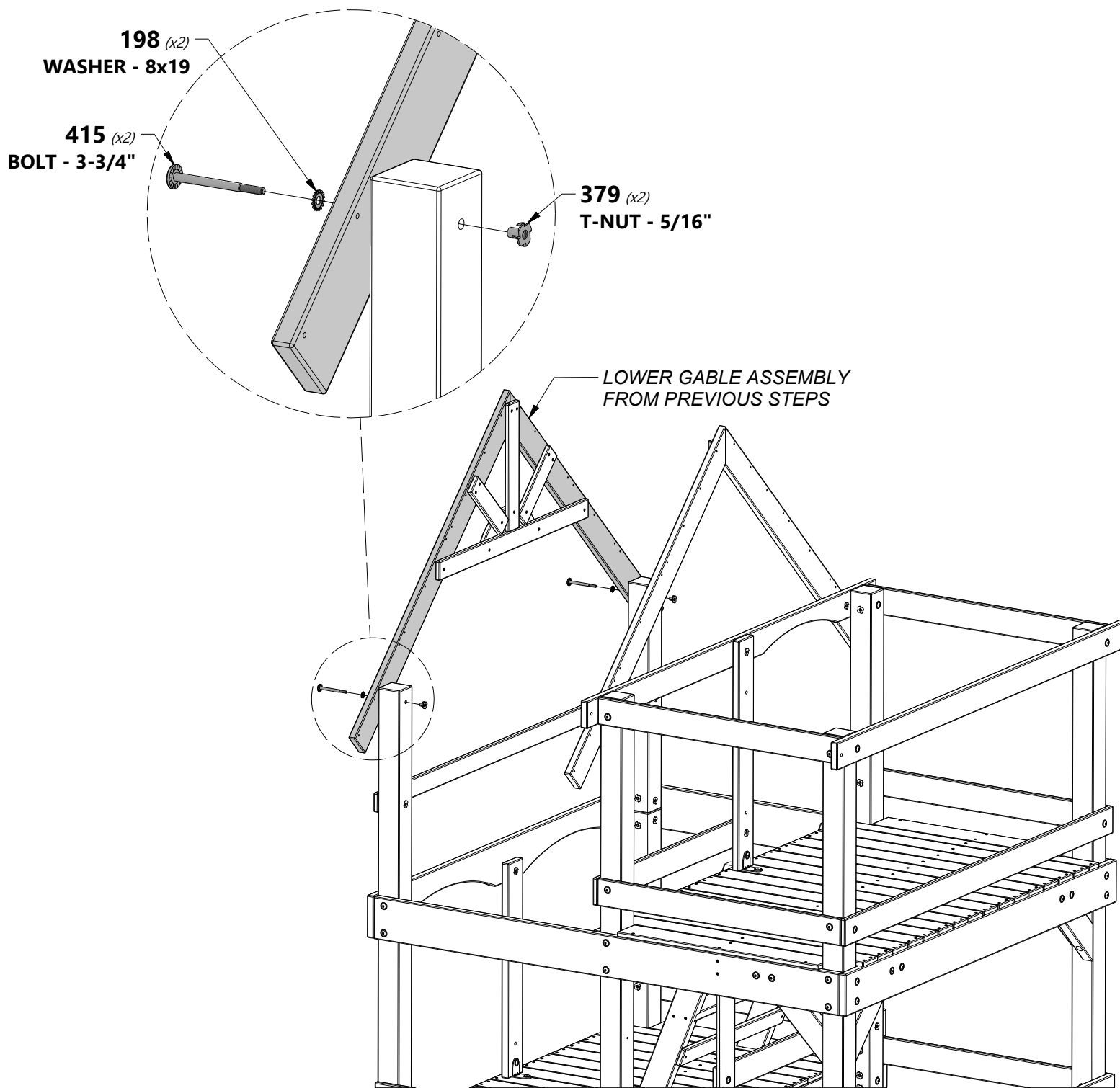
# STEP 23

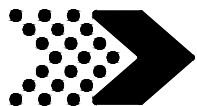


**H100198** | WASHER LOCK  
(x2) | EXT 8x19 BLK

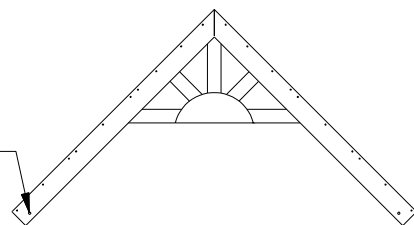


**H100379** | T-NUT 5/16 BLK  
(x2)





NOTE PILOT HOLES.



UPPER GABLE ASSEMBLY FROM PREVIOUS STEPS



H100378 | BOLT WH BLK (x4) | 5/16x1 3/4



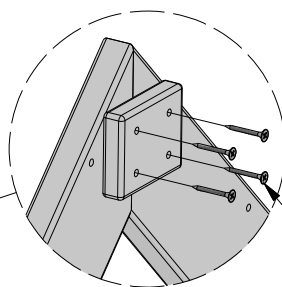
H100198 | WASHER LOCK EXT 8x19 BLK (x4)



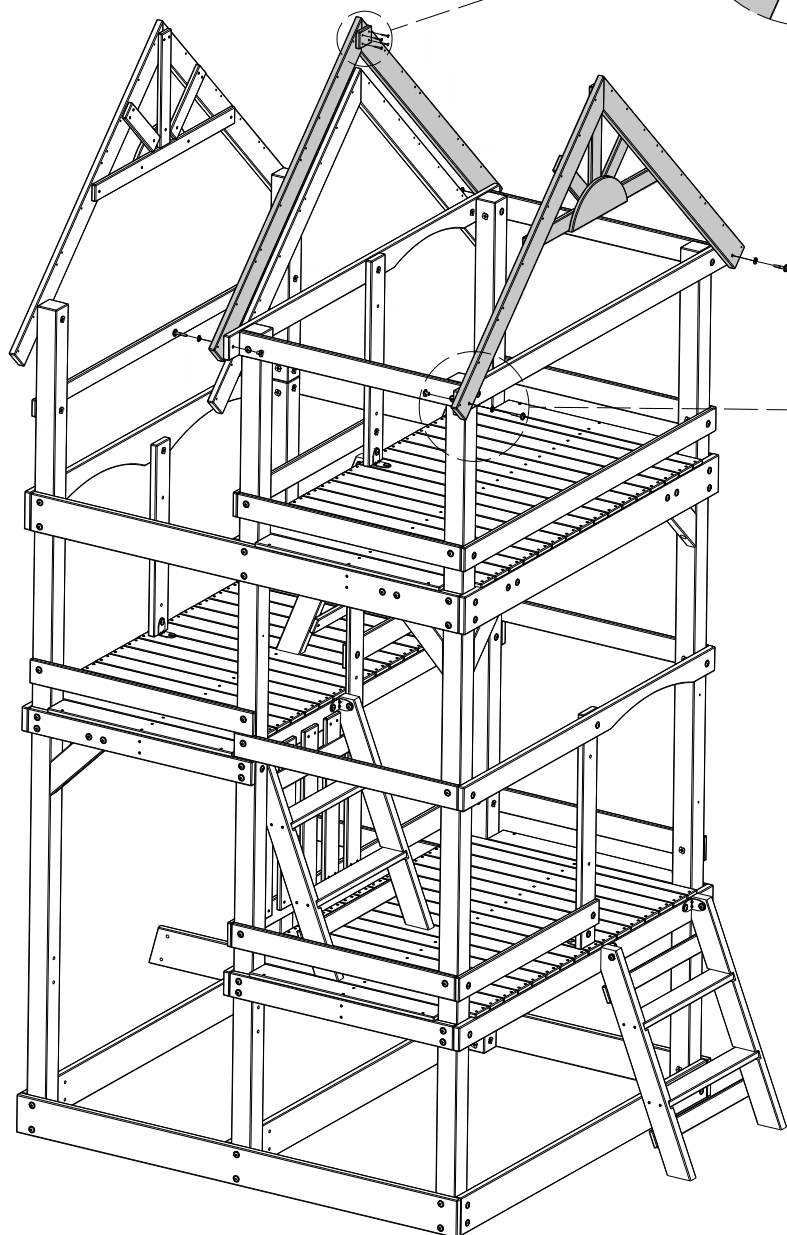
H100379 | T-NUT 5/16 BLK (x4)



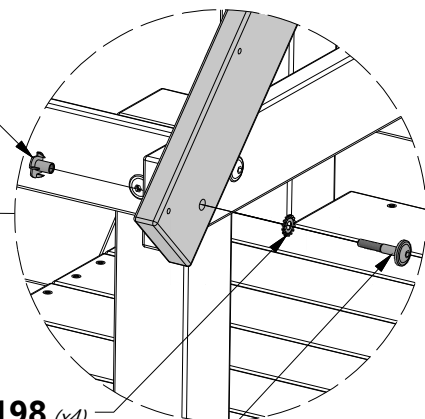
H100087 | SCREW PFH (x4) | 8x1 1/4



087 (x4) SCREW - 1-1/4"

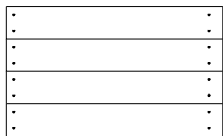
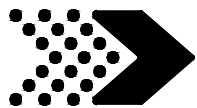


379 (x4) T-NUT - 5/16"

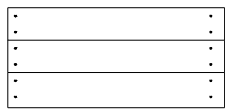


198 (x4) WASHER - 8x19

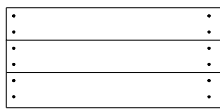
378 (x4) BOLT - 1-3/4"



**RP7** | ROOF PANEL - W2A03085  
(x1) | 1 5/8"x20 11/16"x33 7/8" (42x526x860)



**RP8** | ROOF PANEL - W2A03086  
(x1) | 1 5/8"x15 5/8"x33 7/8" (42x397x860)



**RP9** | ROOF PANEL - W2A03073  
(x1) | 1 5/8"x15 5/8"x33 7/8" (42x397x860)



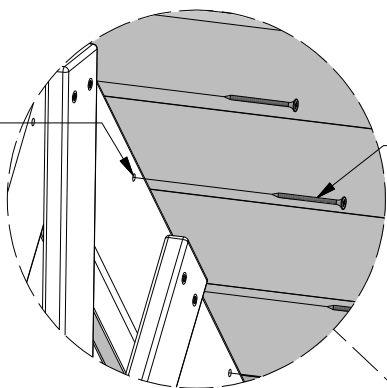
**H100111** | SCREW PFH  
(x20) | 8x2



**NOTE:**

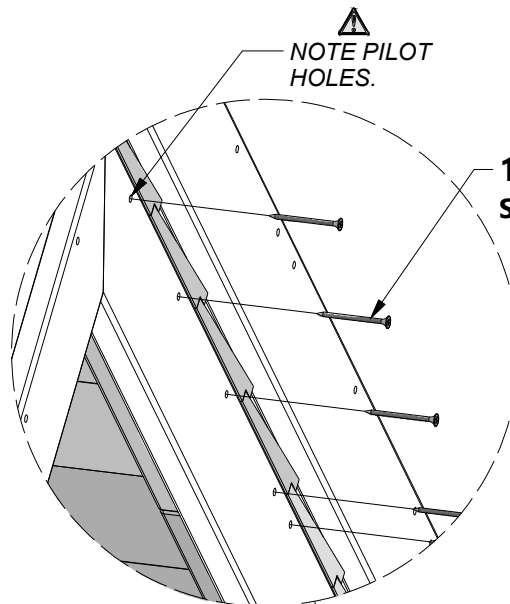
START AT THE TOP WITH THE RP9 PANEL AND WORK YOUR WAY DOWN INSTALLING EACH PANEL AS SHOWN.

 NOTE PILOT HOLES.



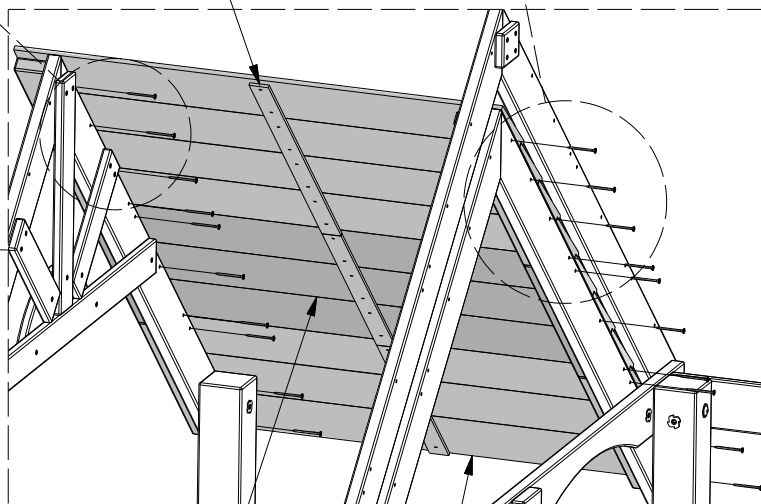
**111 (x10)**  
SCREW - 2"

 NOTE PILOT HOLES.



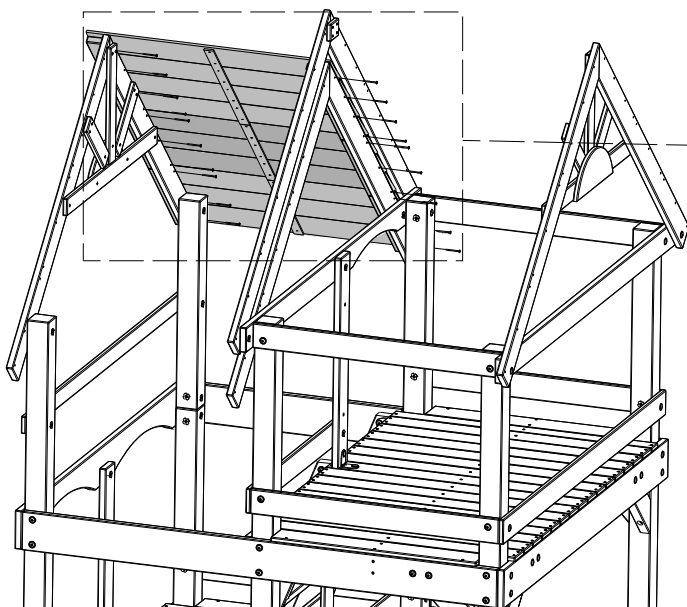
**111 (x10)**  
SCREW - 2"

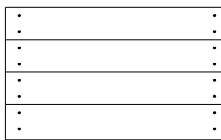
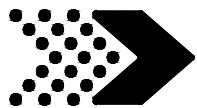
**RP7 (x1)**  
ROOF PANEL



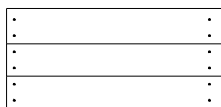
**RP8 (x1)**  
ROOF PANEL

**RP9 (x1)**  
ROOF PANEL

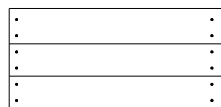




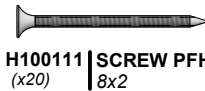
**RP4** | ROOF PANEL - W2A03083  
(x1) | 33 7/8"x1 5/8"x20 11/16" (860x42x526)



**RP5** | ROOF PANEL - W2A03084  
(x1) | 1 5/8"x15 5/8"x33 7/8" (42x397x860)



**RP6** | ROOF PANEL - W2A03072  
(x1) | 1 5/8"x15 5/8"x33 7/8" (42x397x860)

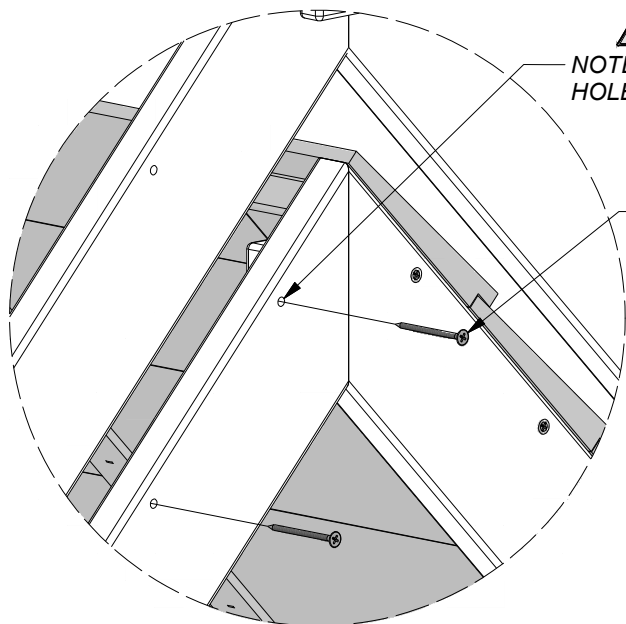


**H100111** | SCREW PFH  
(x20) | 8x2



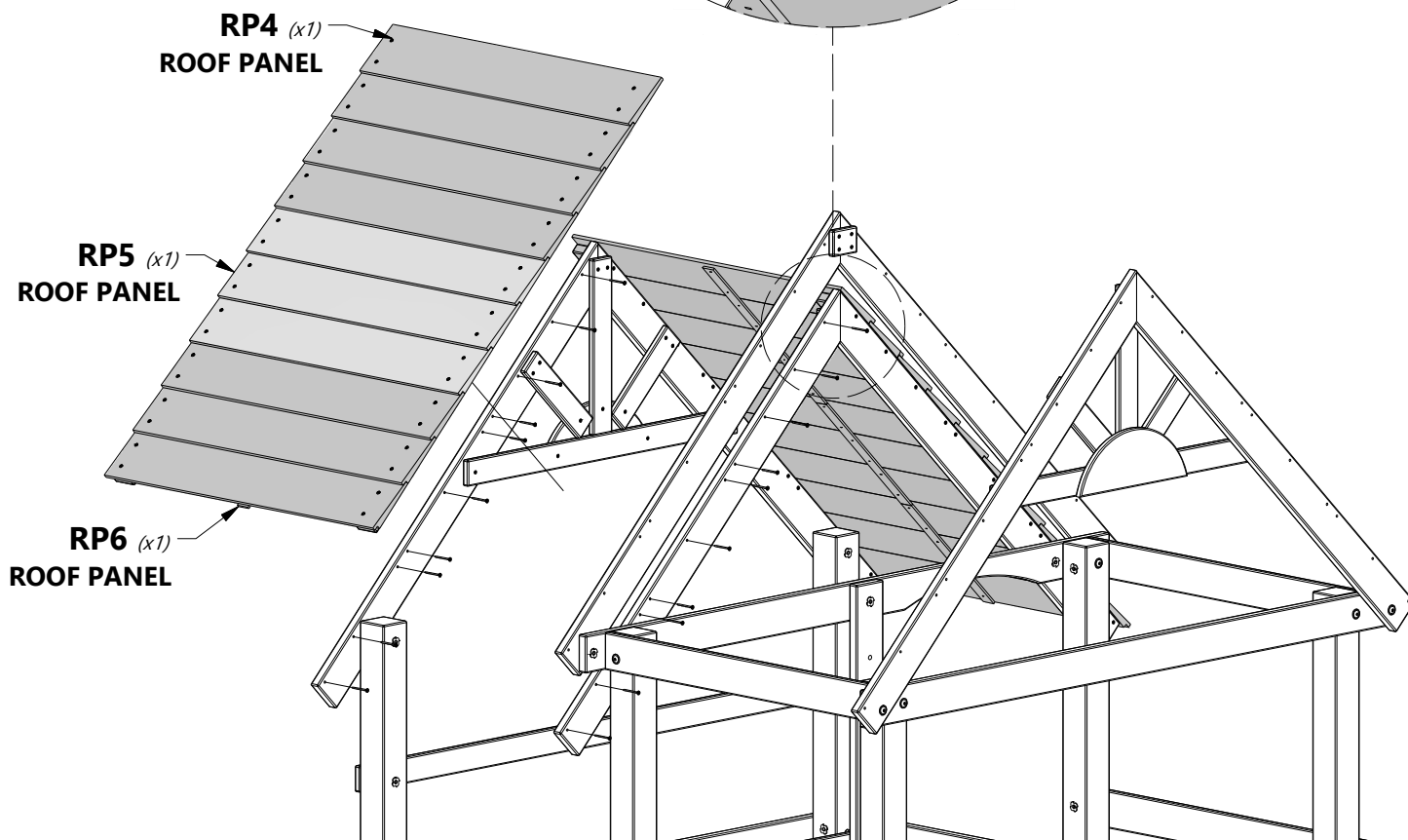
**NOTE:**

START AT THE TOP WITH THE RP4 PANEL AND WORK YOUR WAY DOWN INSTALLING EACH PANEL AS SHOWN.



NOTE PILOT HOLES

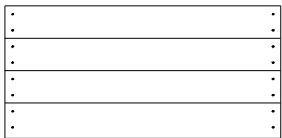
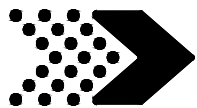
**111 (x20)**  
**SCREW - 2"**



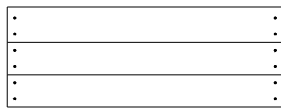
**RP4 (x1)**  
**ROOF PANEL**

**RP5 (x1)**  
**ROOF PANEL**

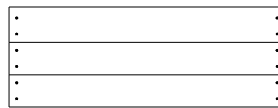
**RP6 (x1)**  
**ROOF PANEL**



**RP1** | ROOF PANEL - W2A03081  
(x2) | 1 5/8"x20 11/16"x43 1/16" (42x526x1094)



**RP2** | ROOF PANEL - W2A03082  
(x2) | 1 5/8"x15 5/8"x43 1/16" (41x397x1094)



**RP3** | ROOF PANEL - W2A03135  
(x2) | 1 5/8"x15 5/8"x43 1/16" (41x397x1094)

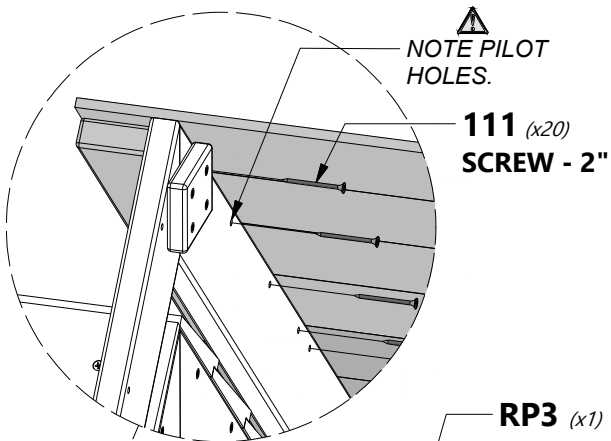


**H100111** | SCREW PFH  
(x40) | 8x2



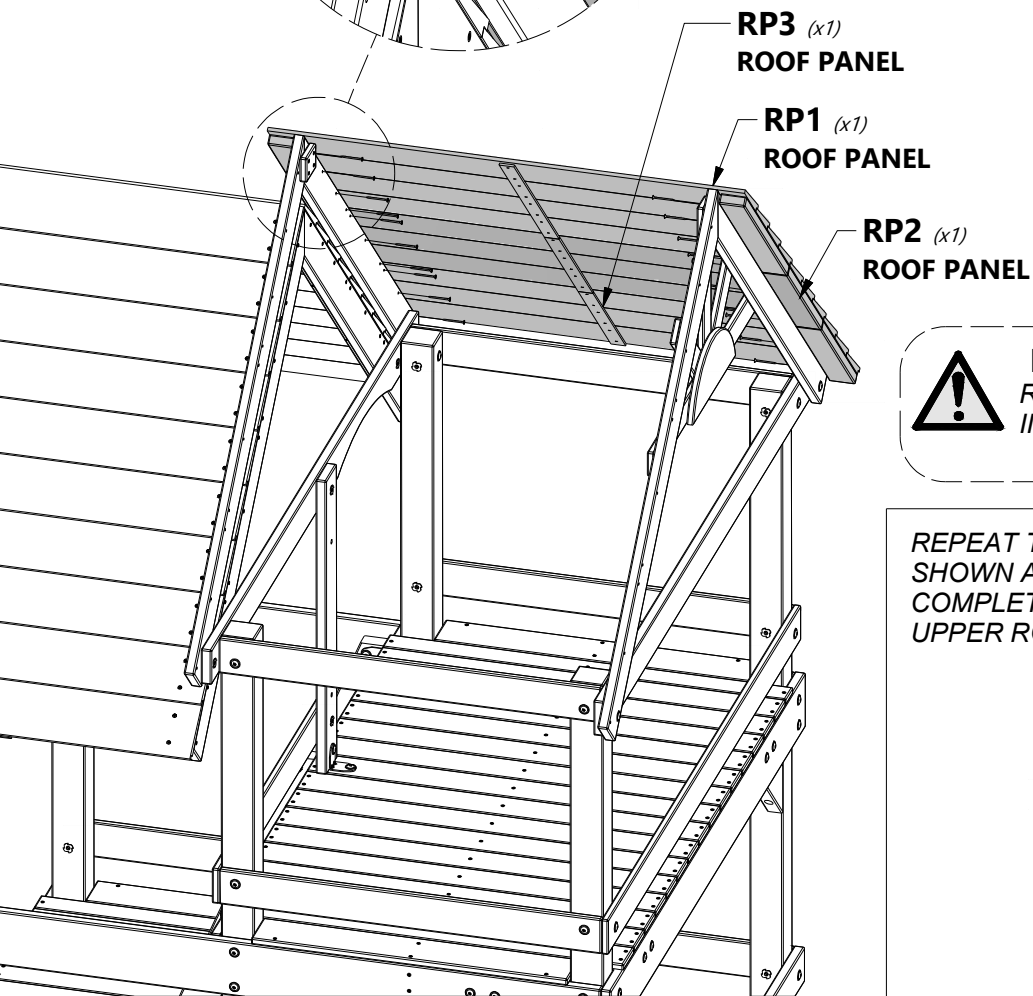
**NOTE:**

START AT THE TOP WITH THE RP1 PANEL AND WORK YOUR WAY DOWN INSTALLING EACH PANEL AS SHOWN.



**NOTE PILOT HOLES.**

**111 (x20)**  
**SCREW - 2"**



**RP3 (x1)**  
**ROOF PANEL**

**RP1 (x1)**  
**ROOF PANEL**

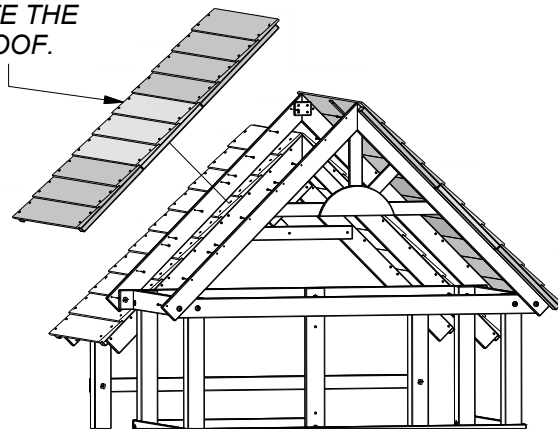
**RP2 (x1)**  
**ROOF PANEL**

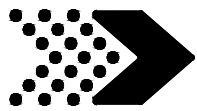


**NOTE:**

REPEAT THIS STEP TO COMPLETE AND INSTALL TWO ROOF PANEL ASSEMBLIES.

REPEAT THE STEPS SHOWN ABOVE TO COMPLETE THE UPPER ROOF.



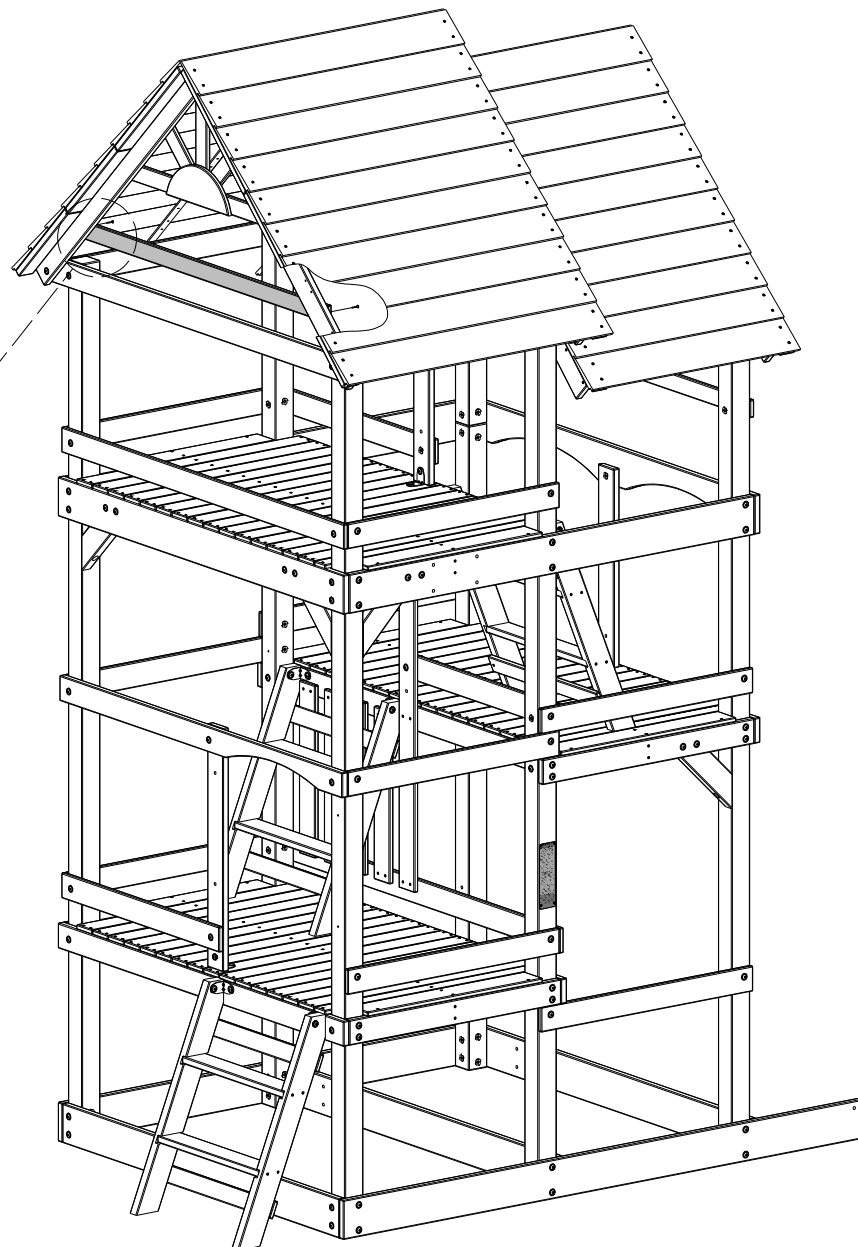
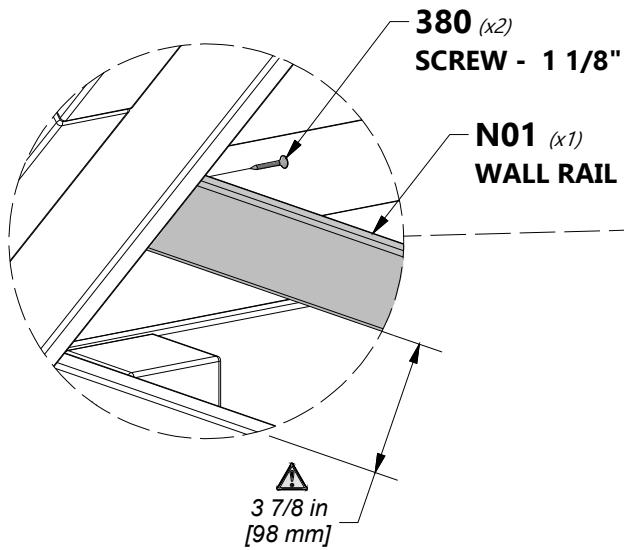
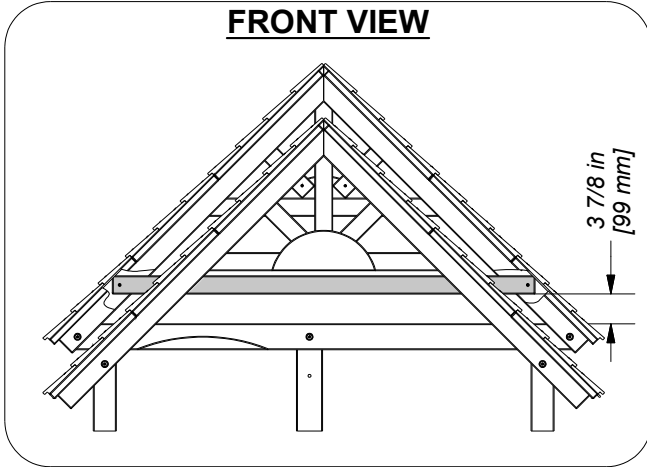


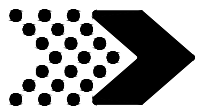
**N01** | WALL RAIL - W4L13954  
(x1) | 5/8"x2 3/8"x55" (16x60x1398)



**H100380** | SCREW PFH BLK  
(x2) | 8x1 1/8

## FRONT VIEW





# FORT ASSEMBLY

# STEP 29

**H19** | PICNIC TABLE SEAT - W4L13940  
(x2) | 1"x3 3/8"x15" (24x86x380)

**H20** | PICNIC TABLE SEAT SUPPORT - W4L13941  
(x2) | 1"x3 3/8"x14 1/2" (24x86x368)

**G10** | PICNIC TABLE SUPPORT - W4L13938  
(x2) | 1"x5 1/4"x13 1/2" (24x134x344)

**M08** | PICNIC TABLE - W4L13950  
(x4) | 5/8"x3 3/8"x28 1/2" (16x86x724)

**N06** | PICNIC TABLE SUPPORT - W4L13959  
(x1) | 5/8"x2 3/8"x12 3/8" (16x60x314)

**H12** | BENCH - W4L13933  
(x2) | 1"x3 3/8"x32 1/2" (24x86x824)

**H100415** | BOLT WH BLK  
(x6) | 5/16x3 3/4

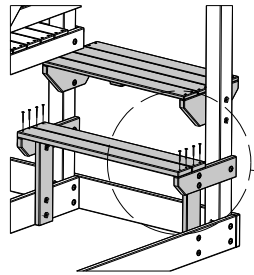
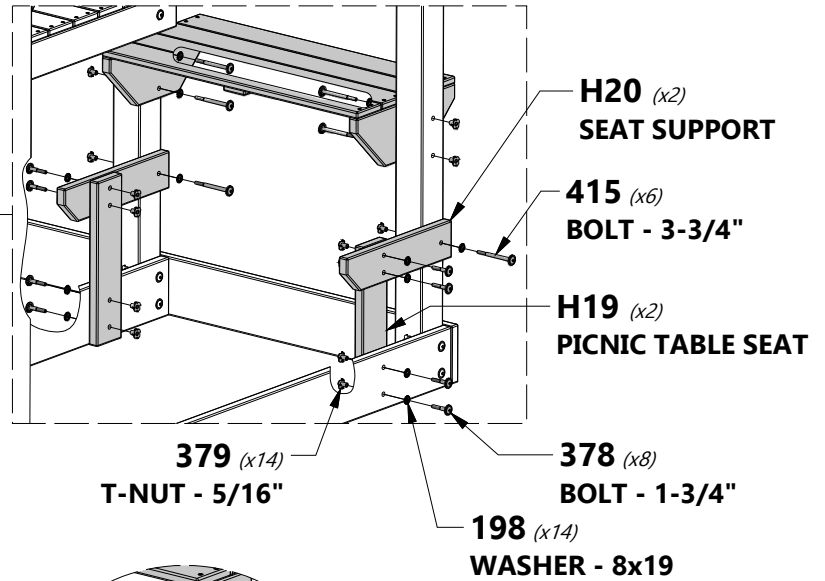
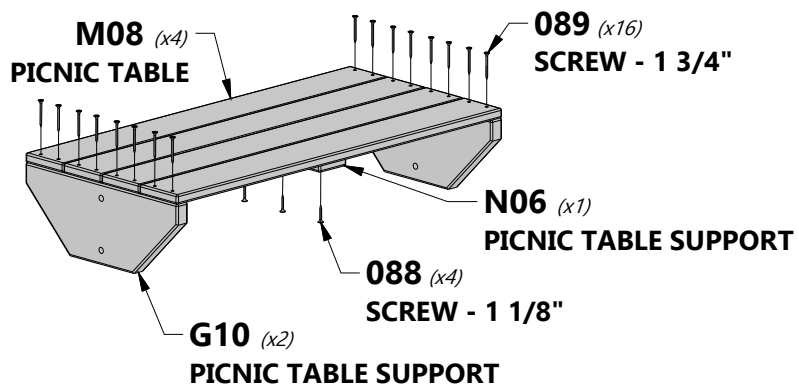
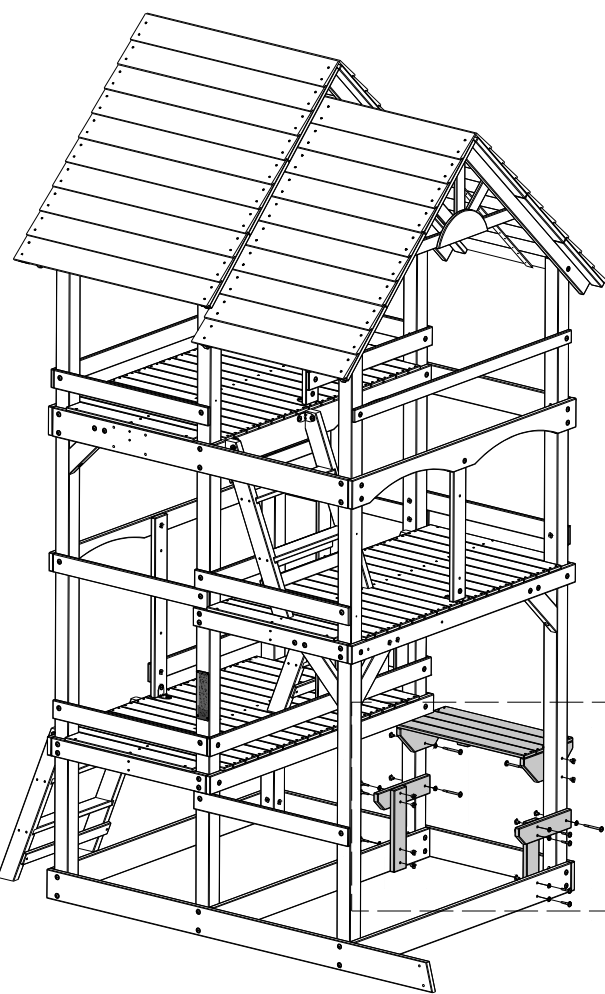
**H100379** | T-NUT 5/16 BLK  
(x14)

**H100089** | SCREW PFH  
(x24) | 8x1 3/4

**H100378** | BOLT WH BLK  
(x8) | 5/16x1 3/4

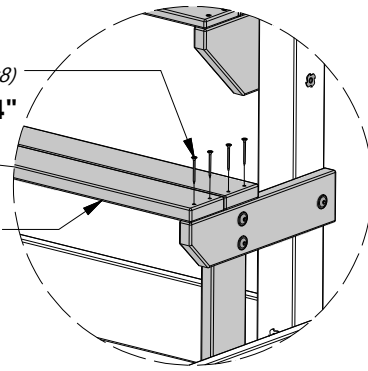
**H100198** | WASHER LOCK  
(x14) | EXT 8x19 BLK

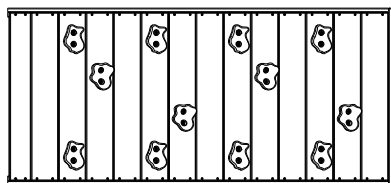
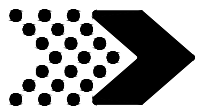
**H100088** | SCREW PFH  
(x4) | 8x1 1/8



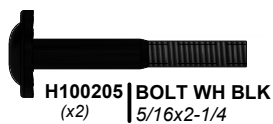
**089** (x8) | SCREW - 1 3/4"

**H12** (x2) | BENCH





**ROCK WALL ASSEMBLY**  
FROM PREVIOUS STEPS



**H100205** | BOLT WH BLK  
(x2) | 5/16x2-1/4



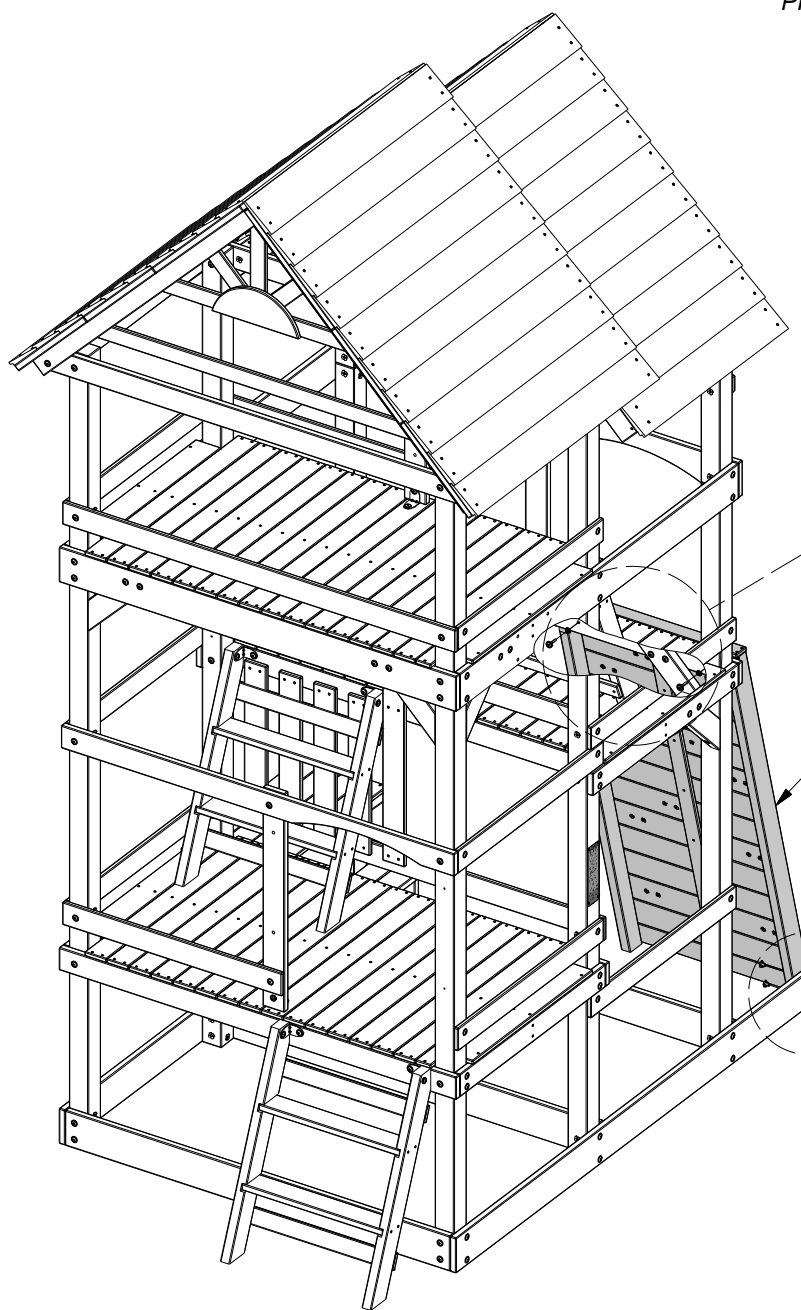
**H100379** | T-NUT BLK  
(x2) | 5/16



**H100407** | BOLT WH BLK  
(x2) | 5/16x1 1/2

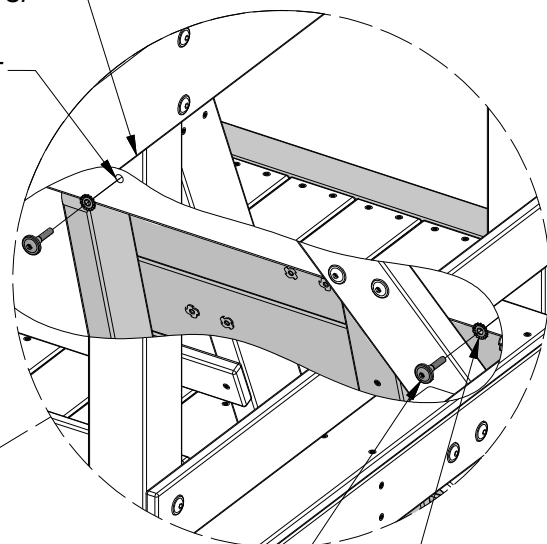


**H100198** | WASHER LOCK  
(x4) | EXT 8x19 BLK



⚠  
NOTE T-NUTS FROM  
PREVIOUS STEPS.

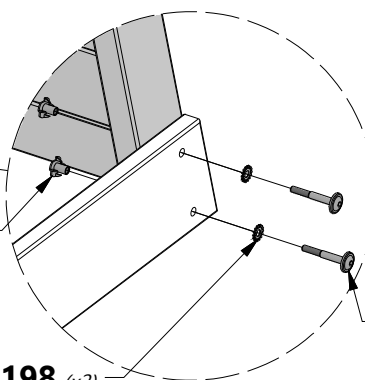
⚠  
NOTE PILOT  
HOLES.



**407** (x2)  
BOLT - 1-1/2"

**198** (x2)  
WASHER - 8x19

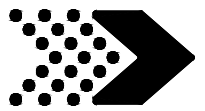
**ROCK WALL** (x1)  
FROM PREVIOUS STEPS



**379** (x2)  
T-NUT - 5/16"

**198** (x2)  
WASHER - 8x19

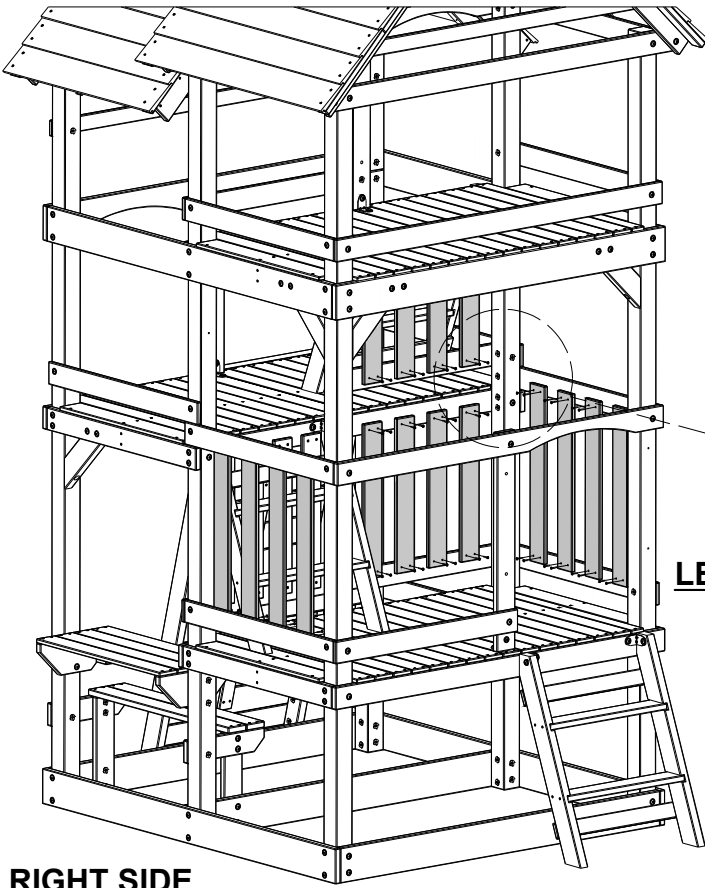
**205** (x2)  
BOLT - 2-1/4"



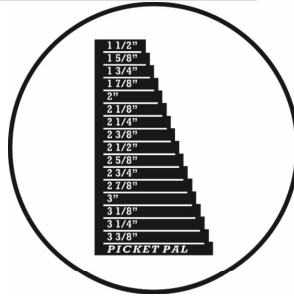
**M06** WALL BOARD - W4L13952  
(x8) 5/8"x3 3/8"x23 1/4" (16x86x591)

**M07** WALL BOARD - W4L13951  
(x8) 5/8"x3 3/8"x26 5/8" (16x86x677)

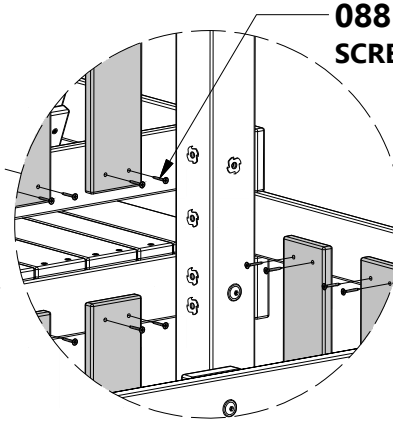
**H100088** SCREW PFH  
(x64) 8x1 1/8"



**TIP:**  
USE THE PROVIDED PICKET PAL TO SPACE AND INSTALL EACH PICKET AS SHOWN TO THE DIMENSIONS PROVIDED BELOW.



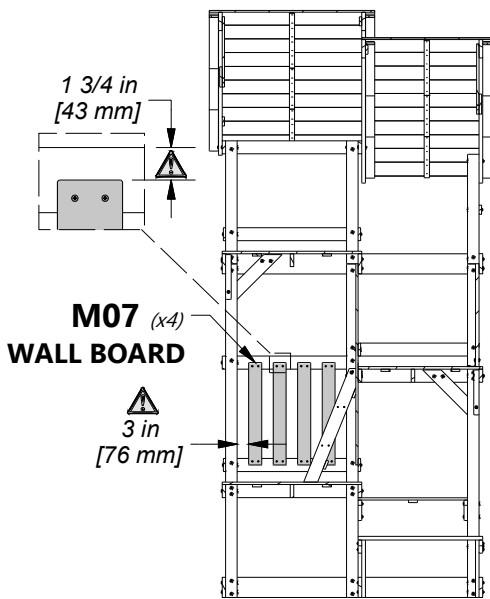
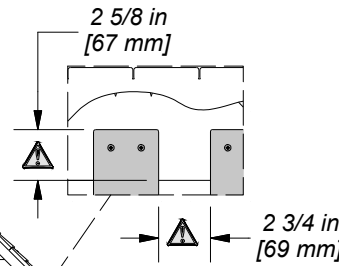
**LEFT SIDE**



**088** (x64)  
**SCREW - 1 1/8"**

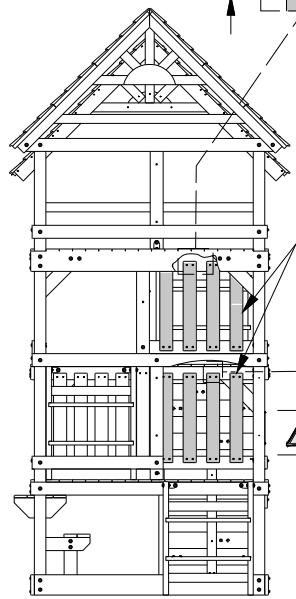
**RIGHT SIDE**

**BACK SIDE**



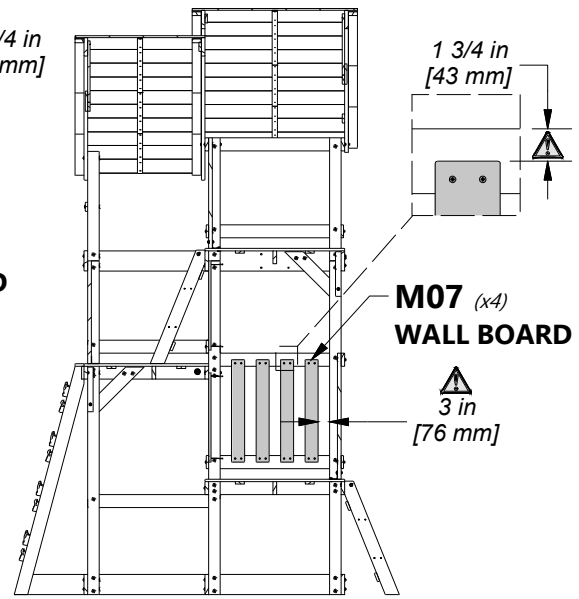
**M07** (x4)  
**WALL BOARD**

3 in  
[76 mm]



**M06** (x8)  
**WALL BOARD**

2 3/8 in  
[59 mm]



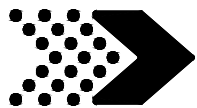
**M07** (x4)  
**WALL BOARD**

3 in  
[76 mm]

**RIGHT SIDE PICKETS**

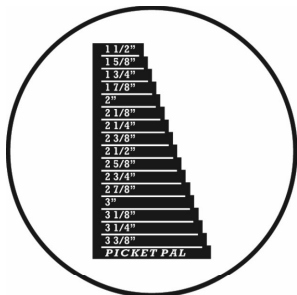
**CENTER PICKETS**

**LEFT SIDE PICKETS**

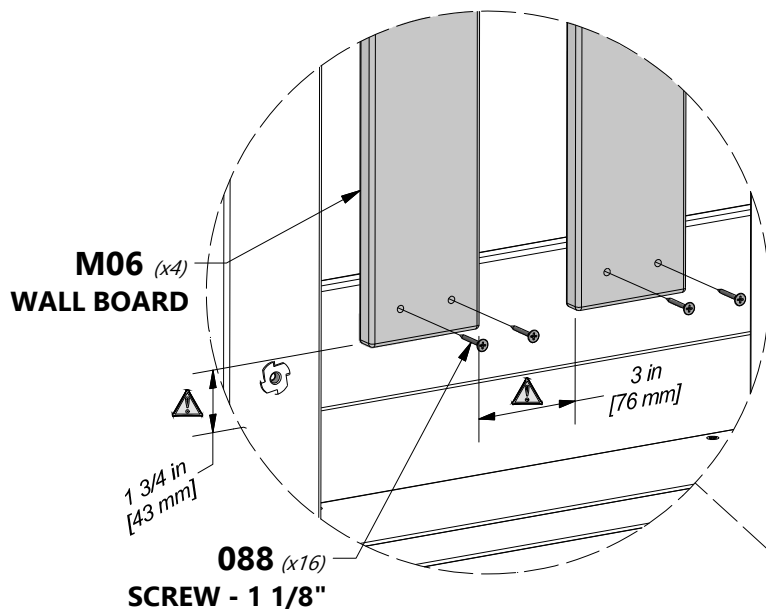


**M06 | WALL BOARD - W4L13952**  
(x8) | 5/8"x3 3/8"x23 1/4" (16x86x591)

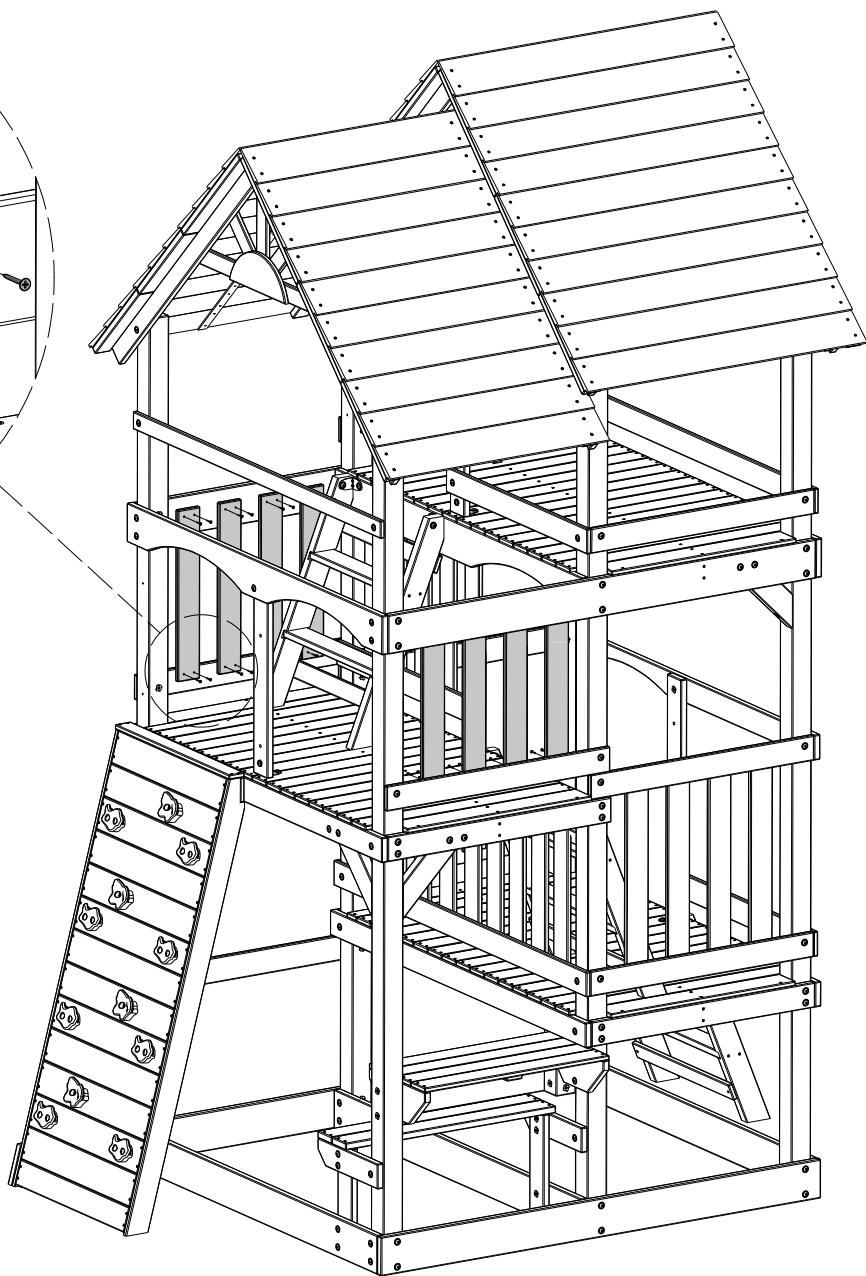
**H100088 | SCREW PFH**  
(x32) | 8x1 1/8"

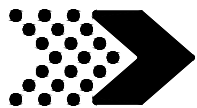


**TIP:**  
USE THE PROVIDED PICKET PAL TO SPACE AND INSTALL EACH PICKET AS SHOWN TO THE DIMENSION PROVIDED BELOW.




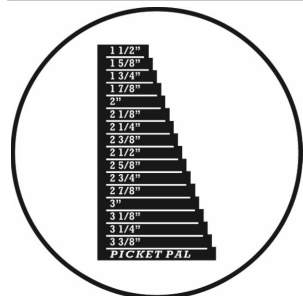
**REPEAT ON OPPOSITE SIDE**




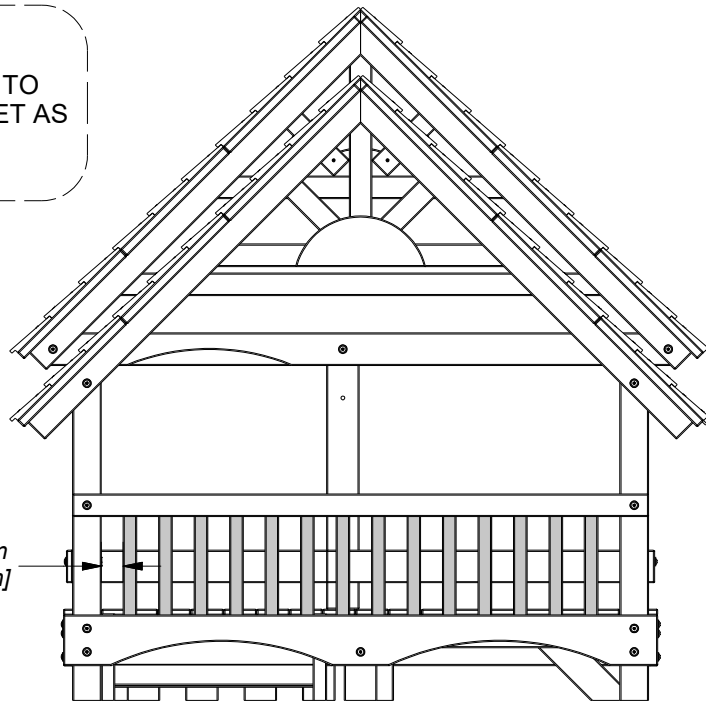


**O2** | WALL BOARD - W4L13921  
 (x14) | 5/8"x1 3/8"x14" (16x36x356)

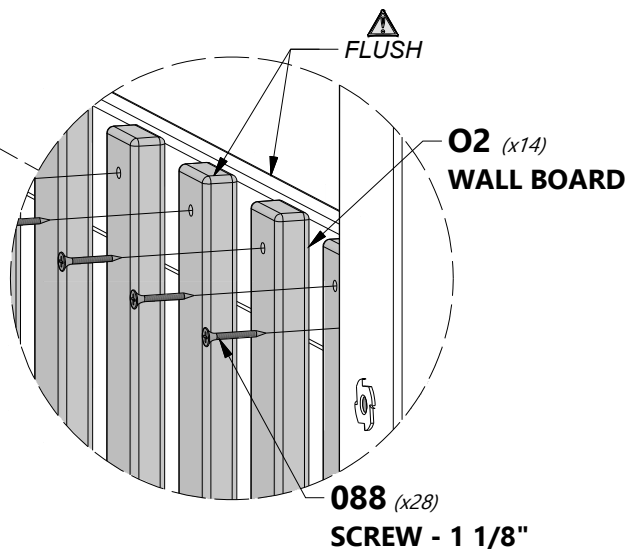
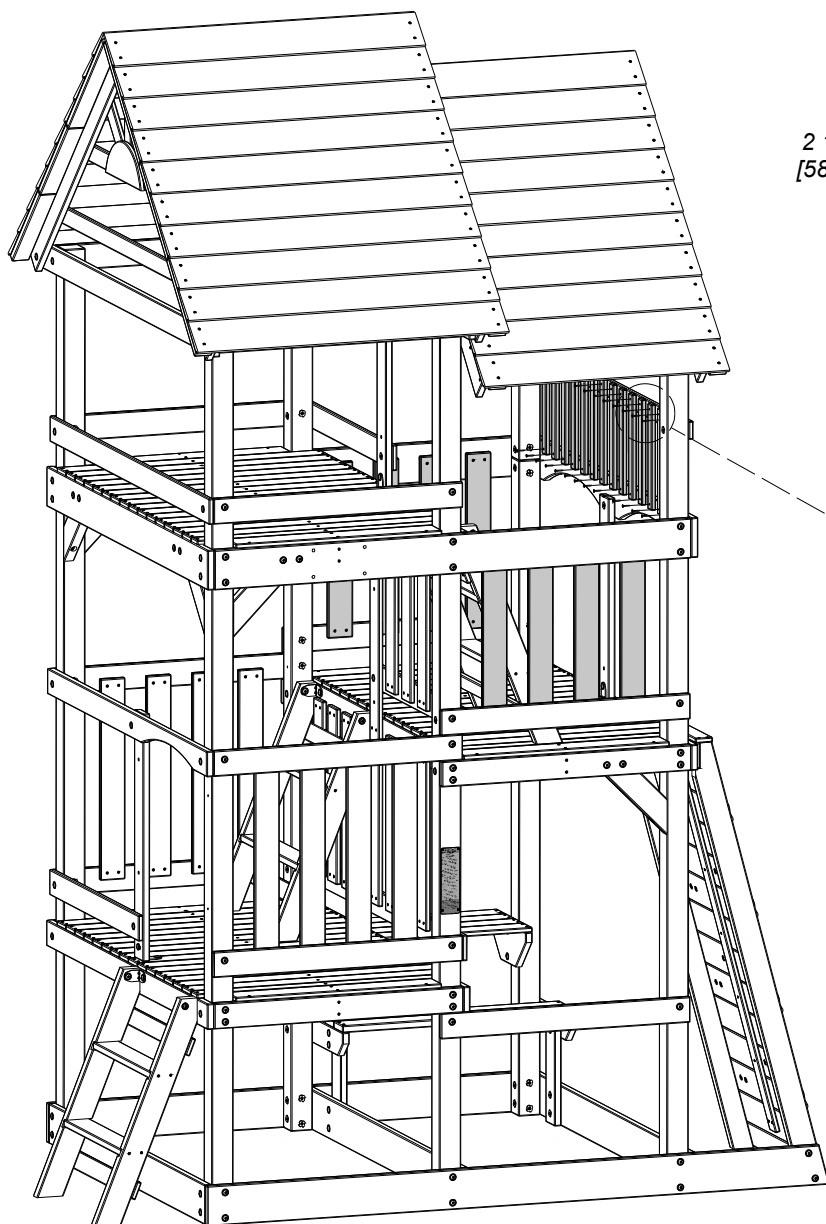
 **H100088** | SCREW PFH  
 (x32) | 8x1 1/8"

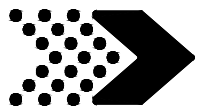


 **TIP:**  
 USE THE PROVIDED PICKET PAL TO  
 SPACE AND INSTALL EACH PICKET AS  
 SHOWN TO THE DIMENSION  
 PROVIDED BELOW.



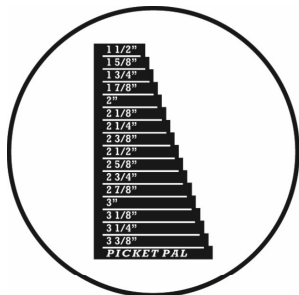
**FRONT VIEW**



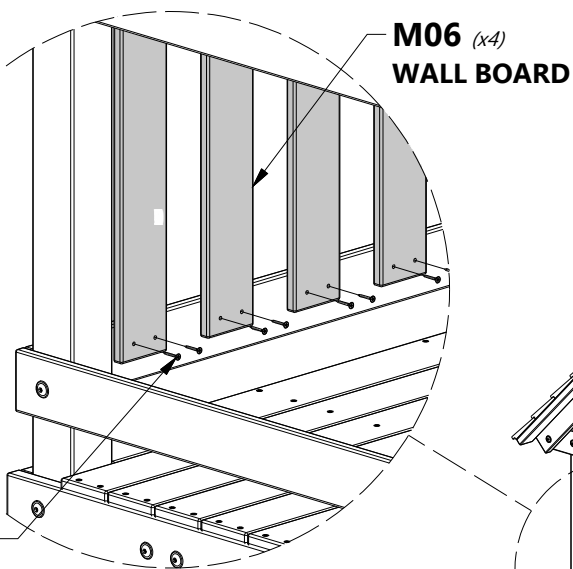


**M06 | WALL BOARD - W4L13952**  
(x8) | 5/8"x3 3/8"x23 1/4" (16x86x591)

**H100088 | SCREW PFH**  
(x32) | 8x1 1/8"



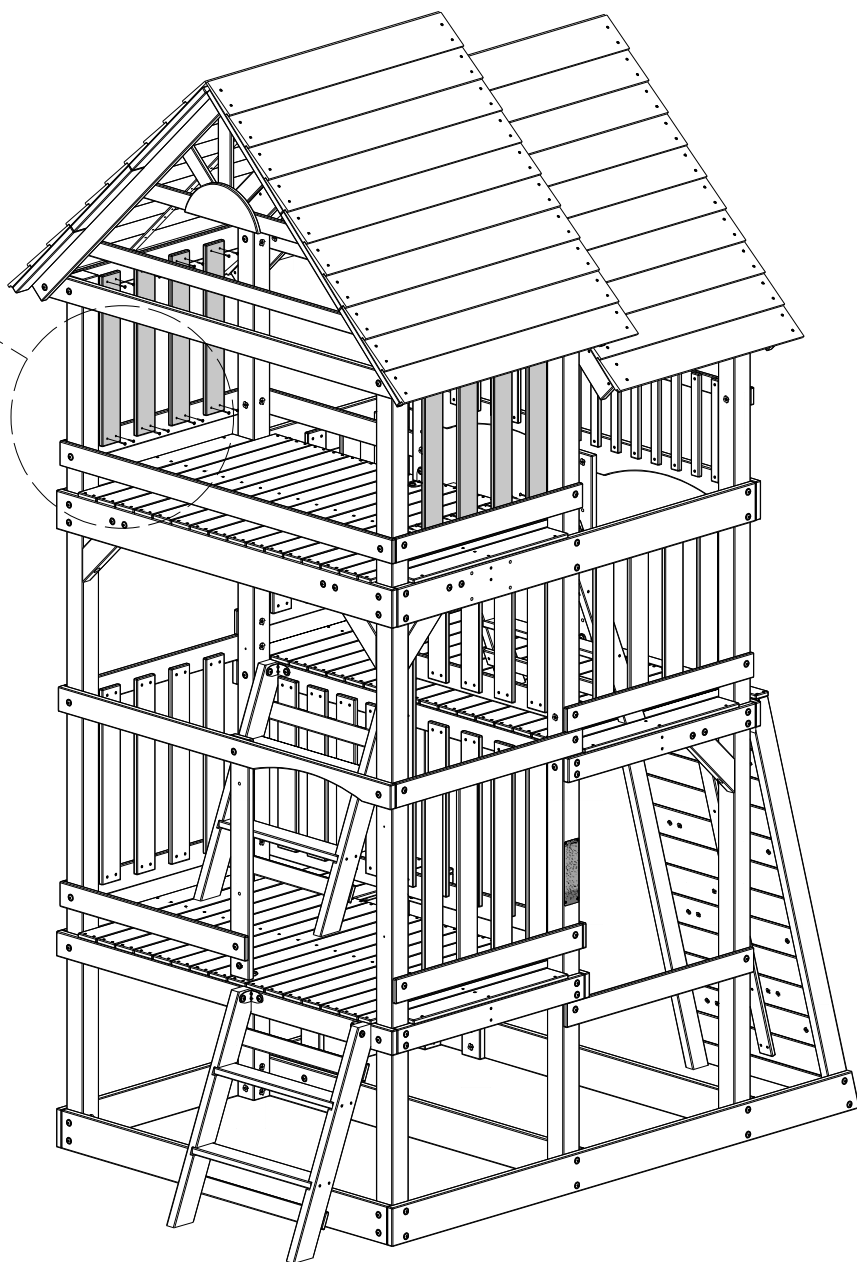
**TIP:**  
USE THE PROVIDED PICKET PAL TO SPACE AND INSTALL EACH PICKET AS SHOWN TO THE DIMENSIONS PROVIDED BELOW.



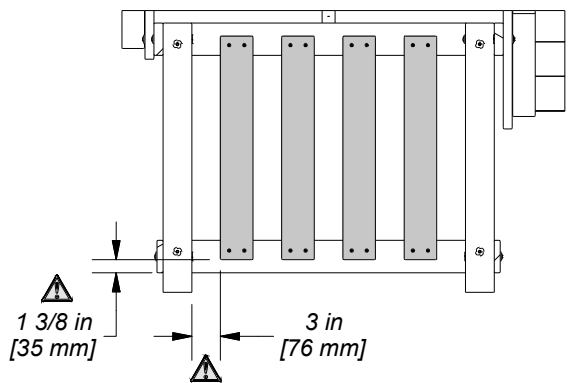
**M06 (x4)**  
**WALL BOARD**

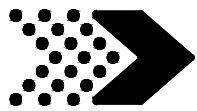
**088 (x16)**  
**SCREW - 1 1/8"**

**REPEAT ON OPPOSITE SIDE**



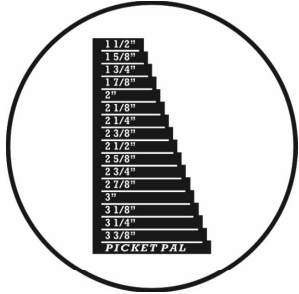
### PICKET SPACING



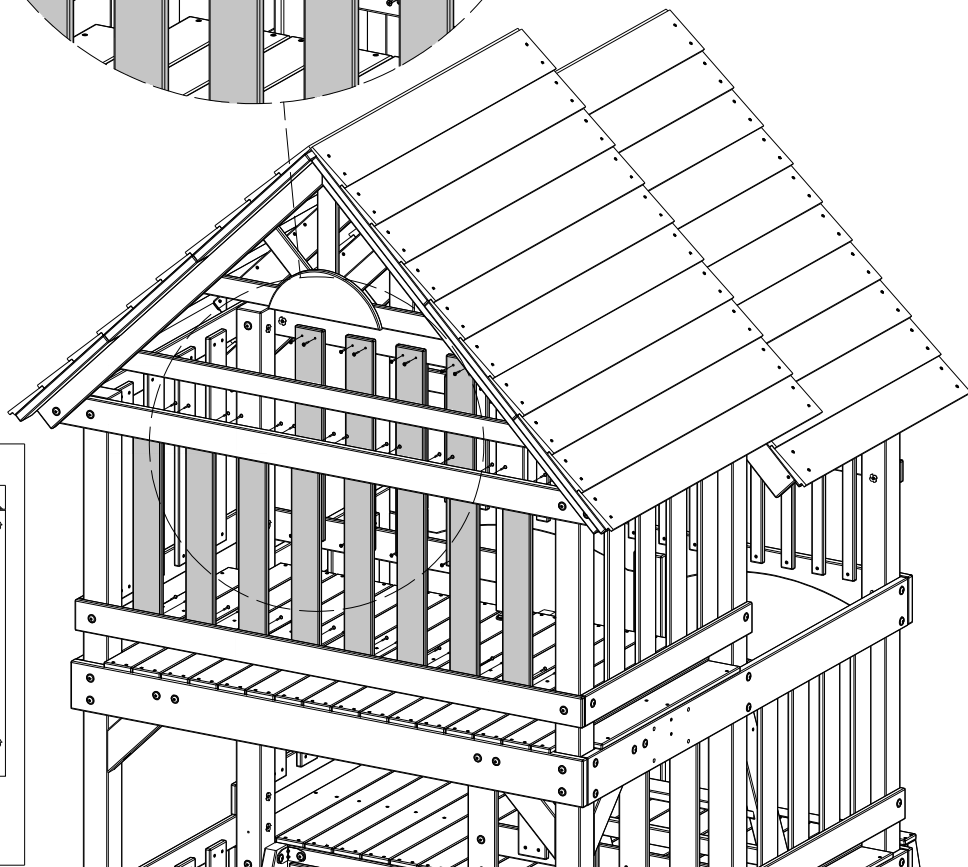
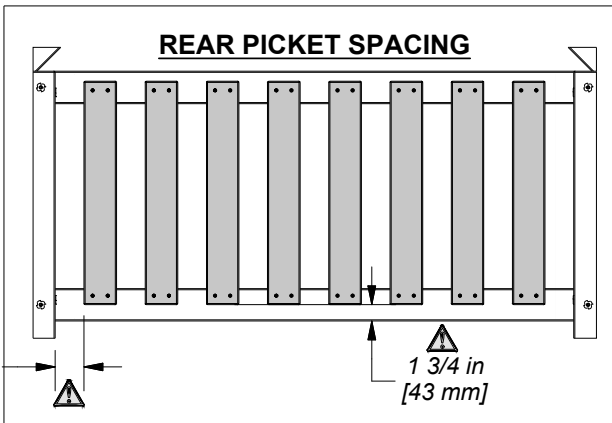
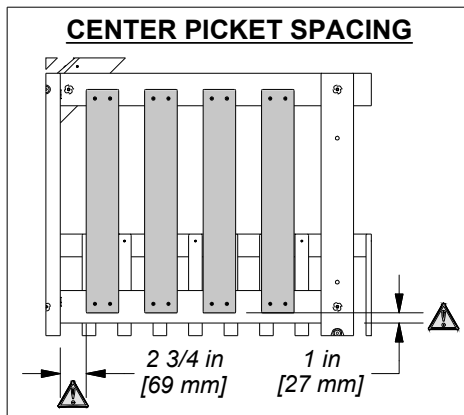
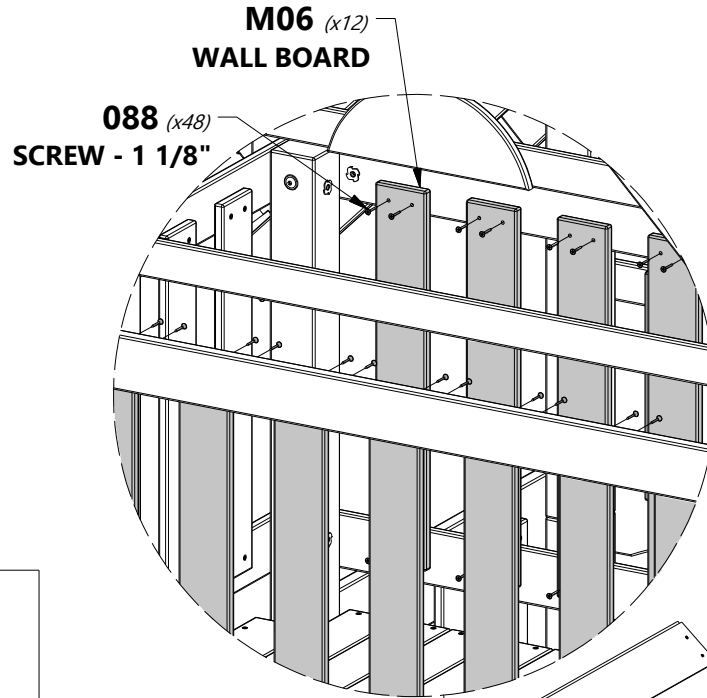


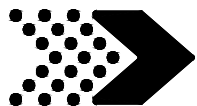
**M06 | WALL BOARD - W4L13952**  
(x12) | 5/8"x3 3/8"x23 1/4" (16x86x591)

**H100088 | SCREW PFH**  
(x48) | 8x1 1/8"



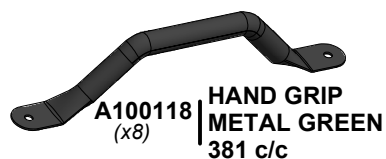
**TIP:**  
USE THE PROVIDED PICKET PAL TO SPACE AND INSTALL EACH PICKET AS SHOWN TO THE DIMENSIONS PROVIDED BELOW.





# FORT ASSEMBLY

# STEP 36



**A100118** | **HAND GRIP**  
**(x8)** | **METAL GREEN**  
**381 c/c**



**H100468** | **BOLT WH BLK**  
**(x6)** | **5/16x1**



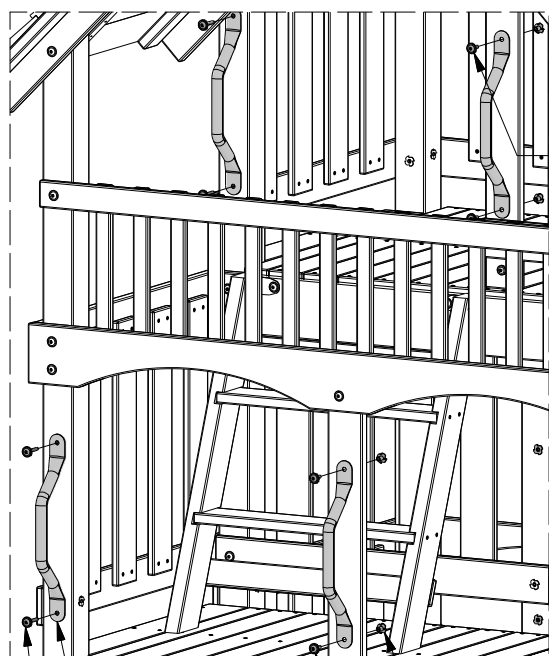
**H100458** | **LAG SCREW WH BLK**  
**(x8)** | **5/16x2**



**H100663** | **BOLT WH BLK**  
**(x2)** | **5/16x3/4**



**H100379** | **T-NUT BLK**  
**(x8)** | **5/16**



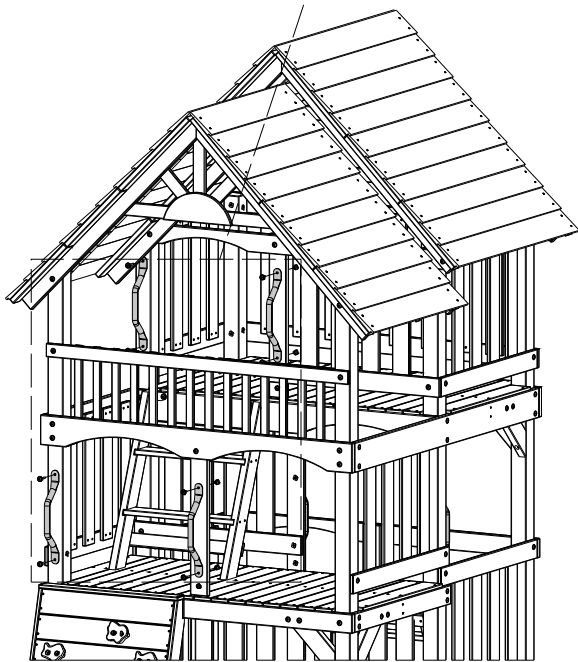
**468 (x4)**  
**BOLT - 1"**

**118 (x4)**  
**HAND GRIP**

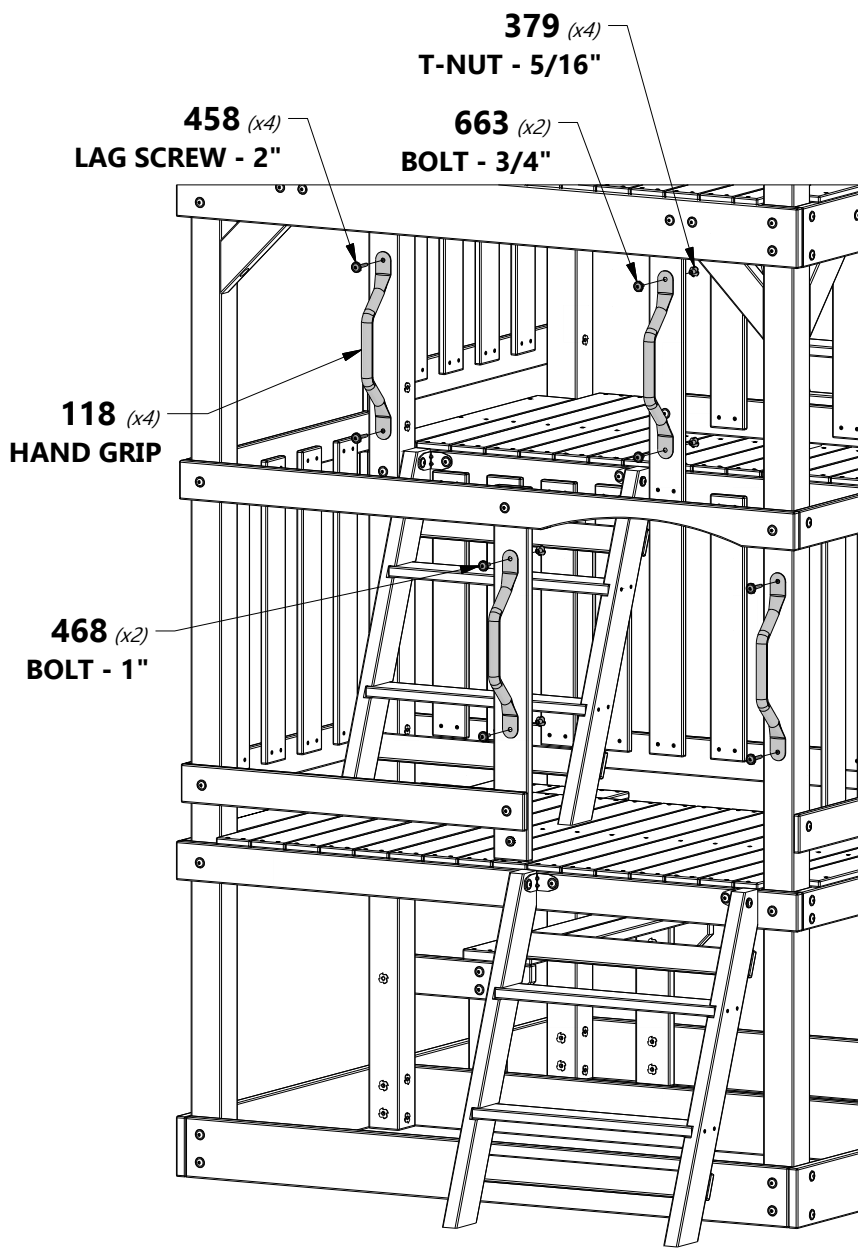
**458 (x4)**  
**LAG SCREW - 2"**

**379 (x4)**  
**T-NUT - 5/16"**

**468 (x4)**  
**BOLT - 1"**



**FRONT VIEW**



**379 (x4)**  
**T-NUT - 5/16"**

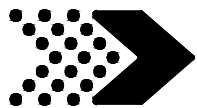
**458 (x4)**  
**LAG SCREW - 2"**

**663 (x2)**  
**BOLT - 3/4"**

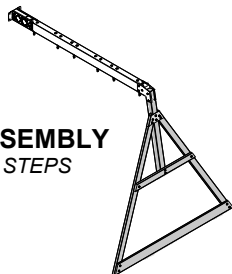
**118 (x4)**  
**HAND GRIP**

**468 (x2)**  
**BOLT - 1"**

**REAR VIEW**



**SWING BEAM ASSEMBLY**  
FROM PREVIOUS STEPS



**H100481 | BOLT HEX BLK**  
(x4) | 5/16x1 1/4



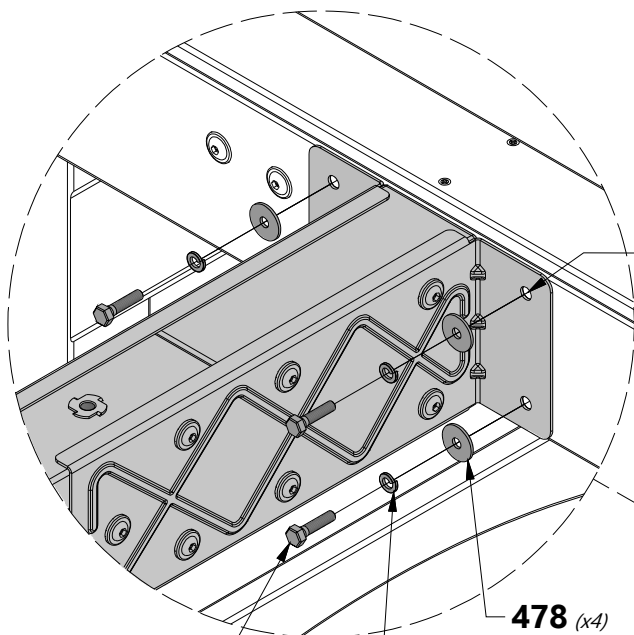
**H100477 | WASHER SPLIT BLK**  
(x4) | 5/16



**H100478 | WASHER FLAT BLK**  
(x4) | 8x27



**NOTE:**  
INSTALL SWING BEAM USING  
T-NUTS PREVIOUSLY INSTALLED.

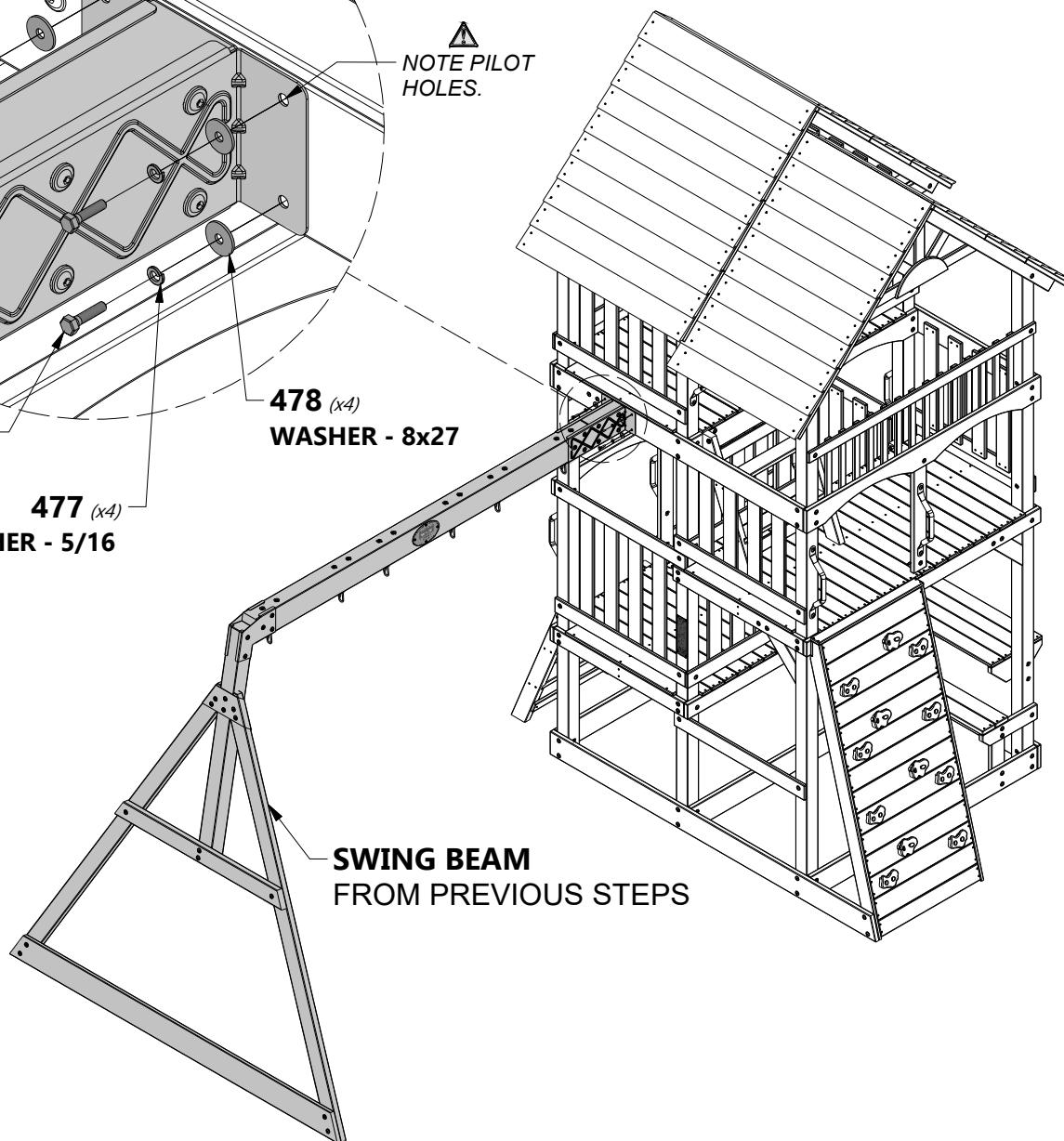


 **NOTE PILOT HOLES.**

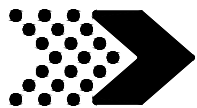
**481 (x4)**  
**BOLT - 1 1/4"**

**477 (x4)**  
**WASHER - 5/16**

**478 (x4)**  
**WASHER - 8x27**



**SWING BEAM**  
FROM PREVIOUS STEPS



# FORT ASSEMBLY

# STEP 38



A4M00927 QUICK LINK SD  
(x4)



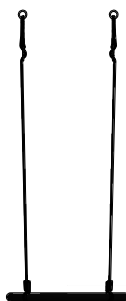
A100164 BYD ID TAG (LARGE) AGES 3-10  
(x1)



A4M01005 CHAIN GREEN 7mm x 1452mm (57in)  
(x4)



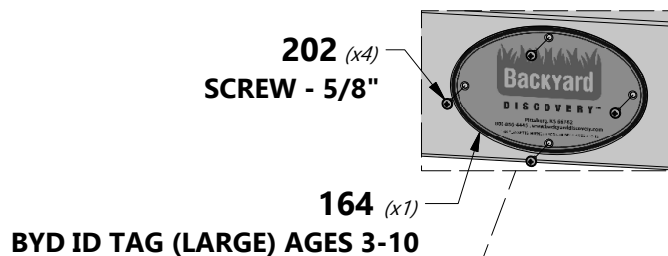
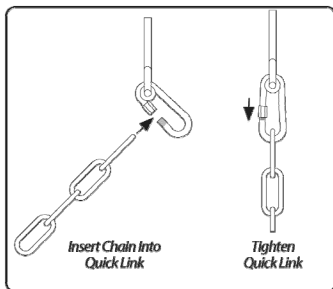
A6P00362 26" HD BELT SWING  
(x2)



A4M01126 26" WEB SWING SEAT ROPE  
(x1)



H100202 SCREW PWH BLK  
(x4) 8x5/8



202 (x4)  
SCREW - 5/8"

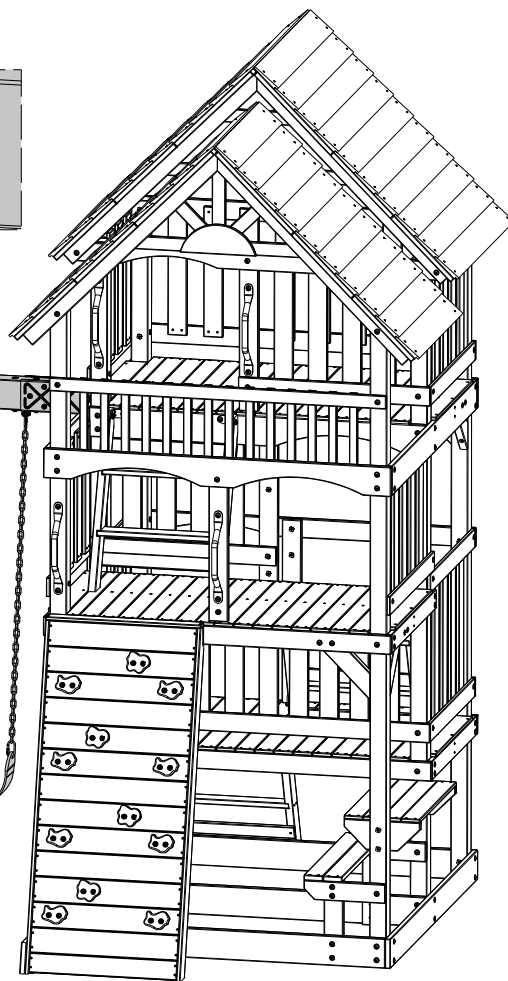
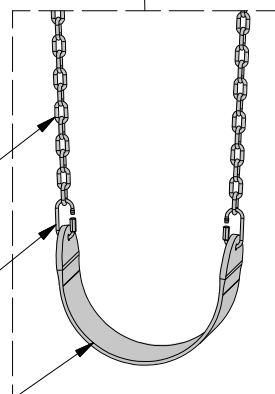
164 (x1)  
BYD ID TAG (LARGE) AGES 3-10

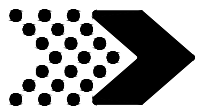
126 (x1)  
26" WEB SWING

005 (x4)  
CHAIN GREEN 7mm x 1452mm (57in)

927 (x4)  
QUICK LINK SD

362 (x2)  
26" HD BELT SWING





# FORT ASSEMBLY

# STEP 39



**A100178** | AUGER GROUND STAKE  
(x6)



**H100468** | BOLT WH BLK  
(x6) | 5/16x1



**H100199** | WASHER LOCK EXT BLK  
(x6) | 12x19

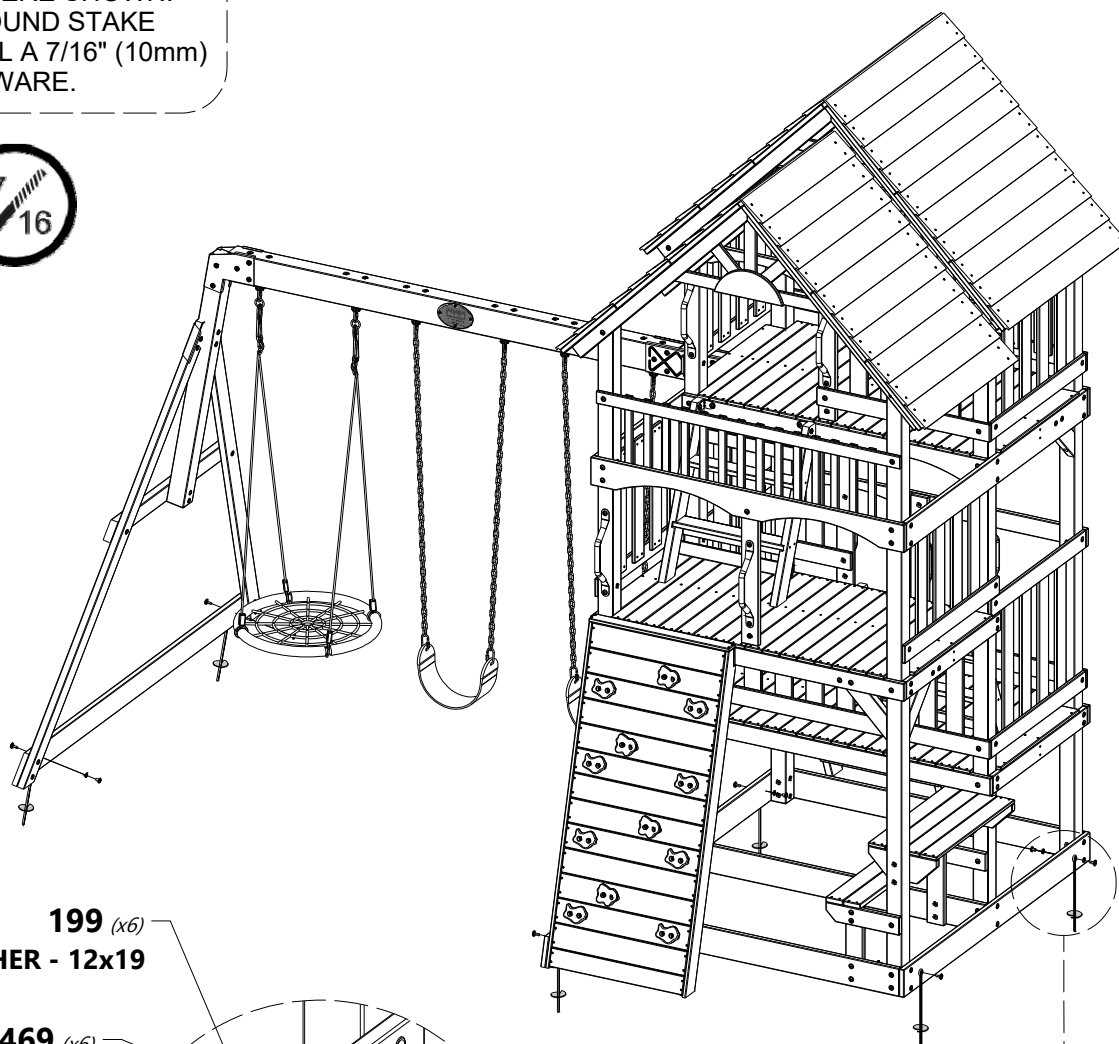
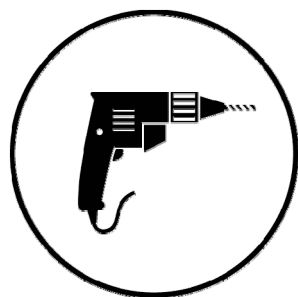


**H100469** | NUT BARREL WH BLK  
(x6) | 5/16x5/8



### NOTE:

TWIST GROUND STAKE INTO THE GROUND WHERE SHOWN. THEN USING GROUND STAKE AS A GUIDE, DRILL A 7/16" (10mm) HOLE FOR HARDWARE.

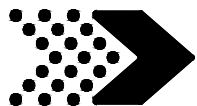


**199** (x6)  
WASHER - 12x19

**469** (x6)  
NUT BARREL - 5/8

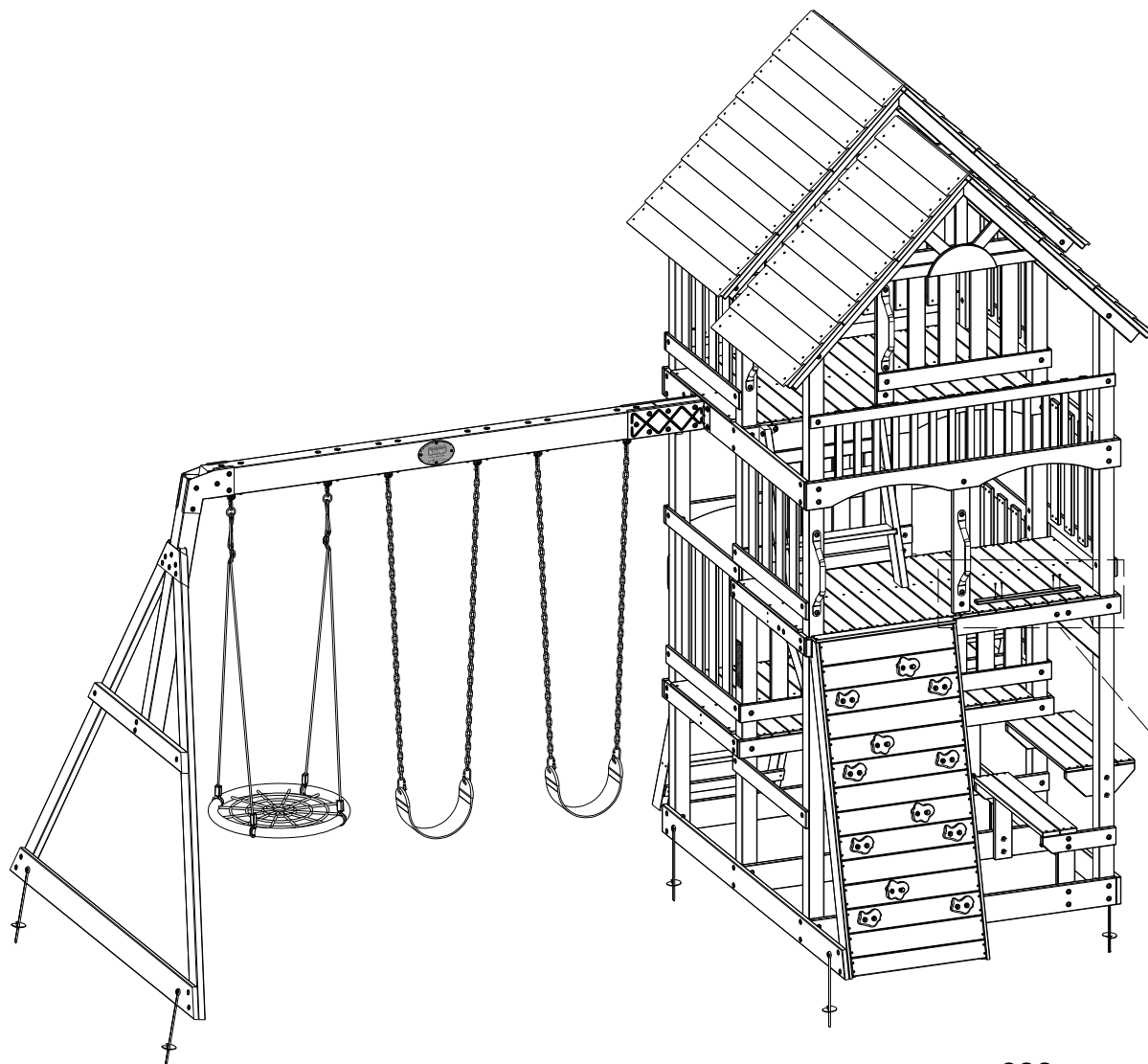
**468** (x6)  
BOLT WH - 1"

**178** (x6)  
AUGER GROUND STAKE

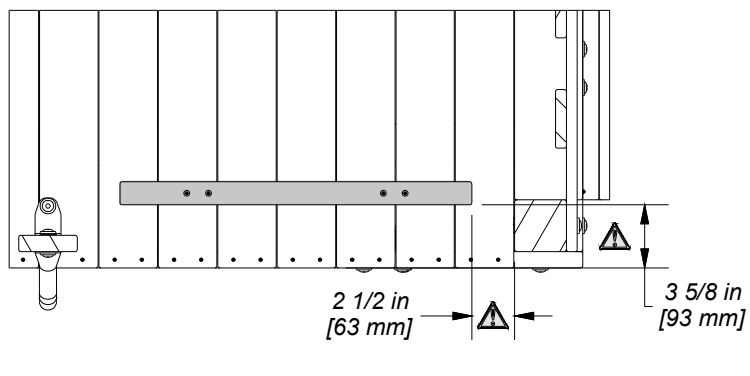


**O70** | SLIDE MOUNTING BOARD - W4L09040  
 (x1) | 5/8"x1 3/8"x20 3/8" (16x34x517)

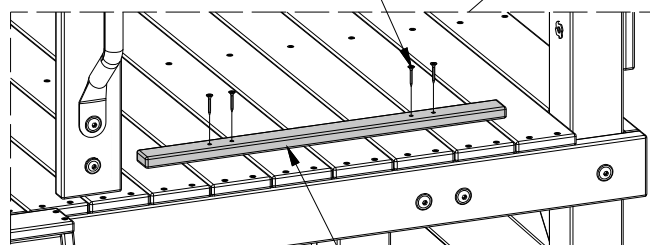
**H100088** | SCREW PFH  
 (x4) | 8x1 1/8"



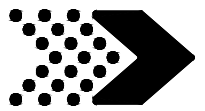
### O70 BOARD PLACEMENT



**088** (x4)  
 SCREW - 1 1/8"

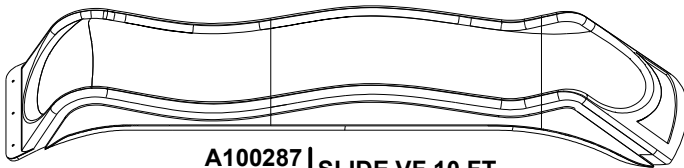


**O70** (x1)  
 SLIDE MOUNTING BOARD



# FORT ASSEMBLY

# STEP 41



**A100287** | SLIDE VF 10 FT  
(x1)



**H100459** | BOLT WH BLK  
(x3) | 5/16x1 1/4

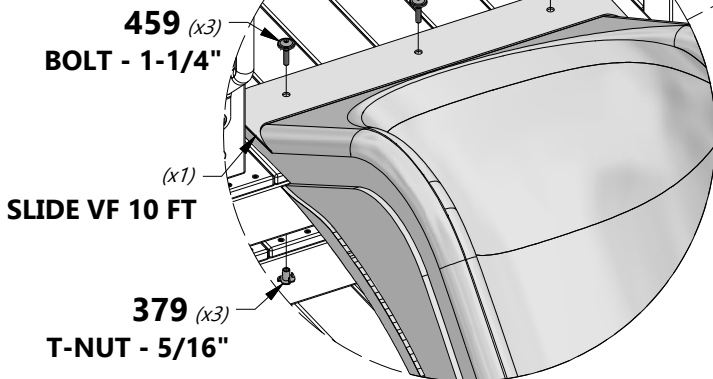
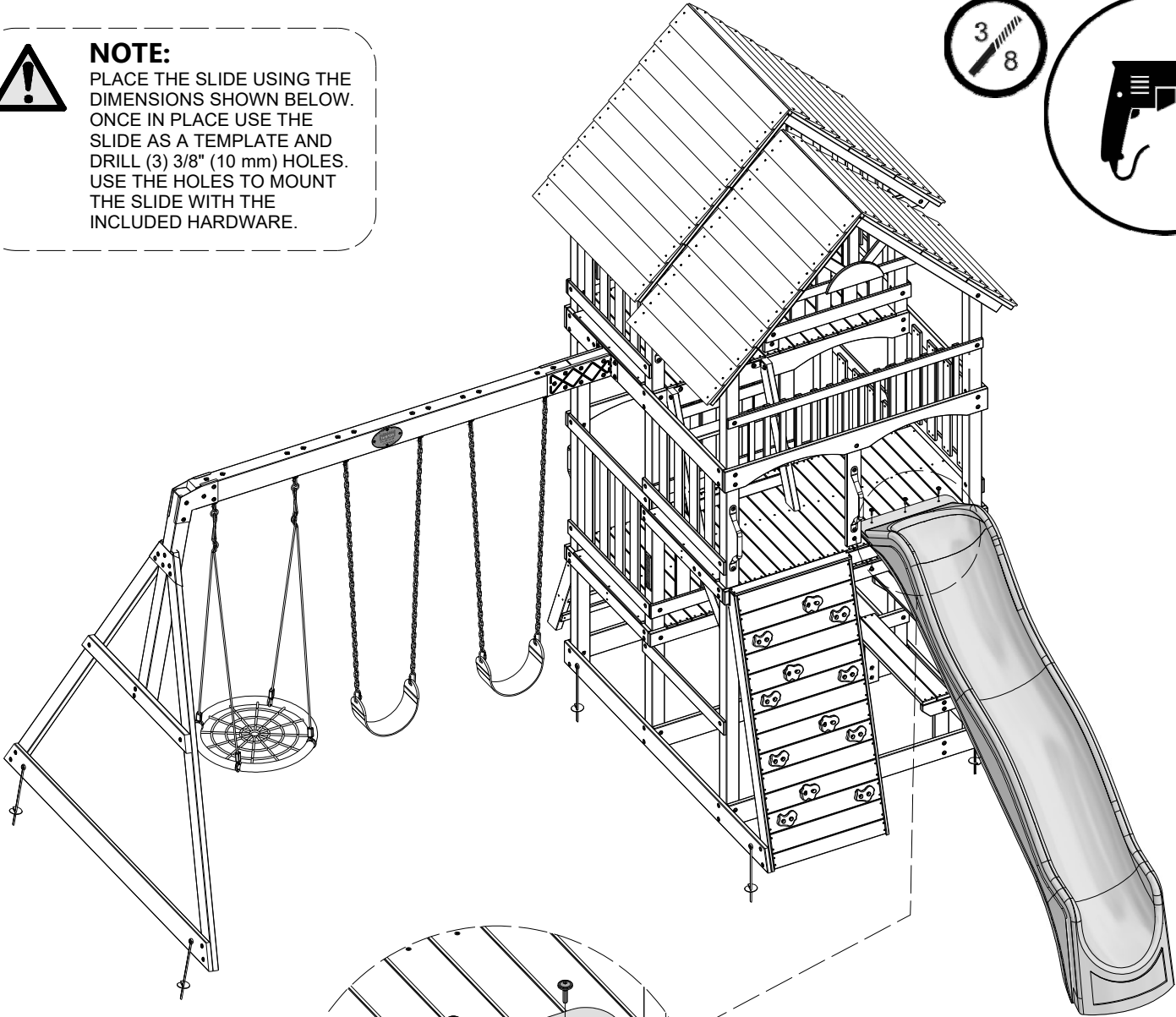
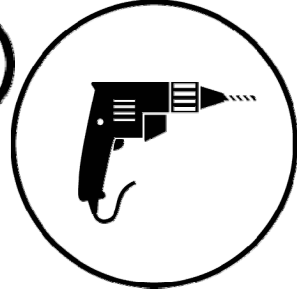


**H100379** | T-NUT BLK  
(x3) | 5/16



### NOTE:

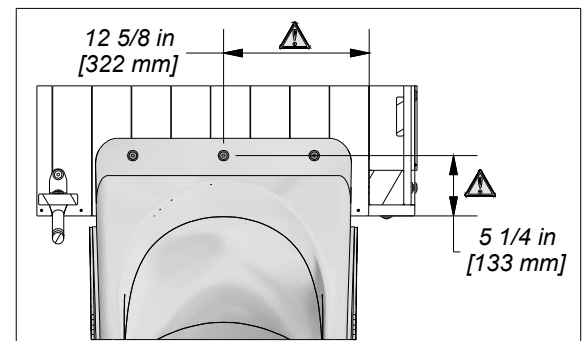
PLACE THE SLIDE USING THE DIMENSIONS SHOWN BELOW. ONCE IN PLACE USE THE SLIDE AS A TEMPLATE AND DRILL (3) 3/8" (10 mm) HOLES. USE THE HOLES TO MOUNT THE SLIDE WITH THE INCLUDED HARDWARE.



**459** (x3)  
BOLT - 1-1/4"

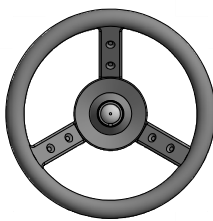
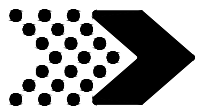
**SLIDE VF 10 FT**

**379** (x3)  
T-NUT - 5/16"



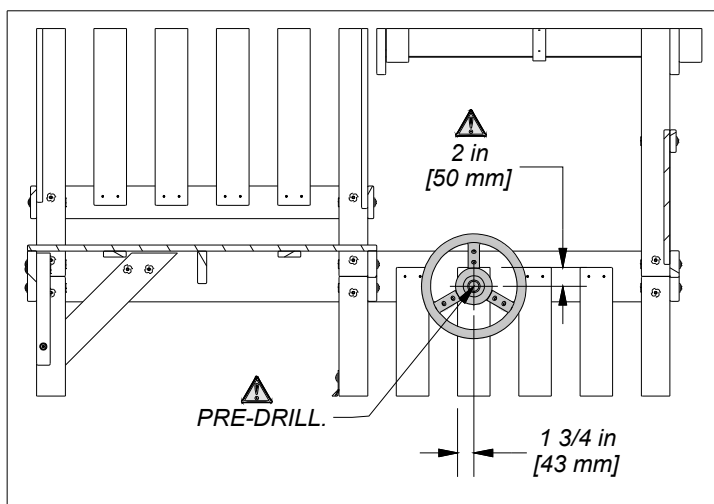
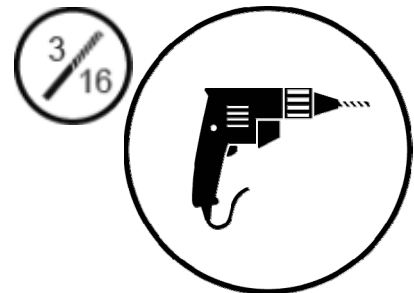
12 5/8 in  
[322 mm]

5 1/4 in  
[133 mm]



**A100107** (x1) | **STEERING WHEEL**

**TIP:** FOR EASIER ASSEMBLY AND TO KEEP BOARD FROM SPLITTING PRE-DRILL PICKET USING A 3/16" (5 mm) DRILL BIT.

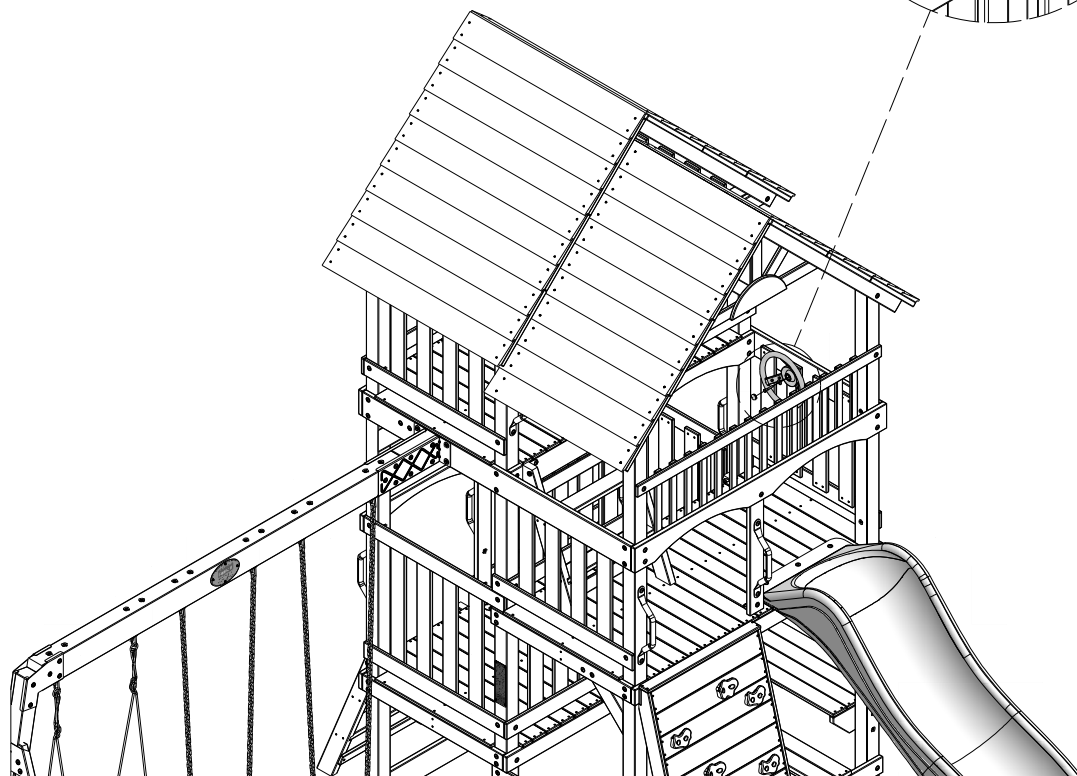
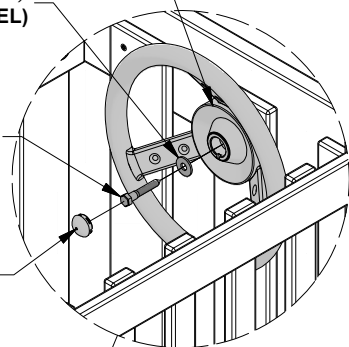


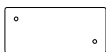
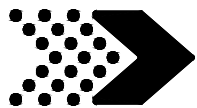
**107** (x1) | **STEERING WHEEL**

**WASHER FLAT 8x27** (x1) | (INCLUDED WITH STEERING WHEEL)

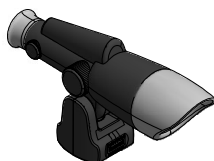
**LAG SCREW HEX 5/16x2** (x1) | (INCLUDED WITH STEERING WHEEL)

**CENTER CAP** (x1) | (INCLUDED WITH STEERING WHEEL)

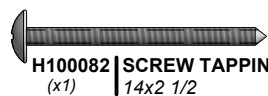




**F01** | TELESCOPE MOUNT - W4L13974  
(x1) | 1 3/8"x2 3/8"x5 1/4" (36x60x134)



**A100104** | TELESCOPE  
(x1)



**H100082** | SCREW TAPPING  
(x1) | 14x2 1/2



**H100225** | FLANGE CUP WASHER  
(x1) | 9x34



**H100483** | SCREW PFH BLK  
(x2) | 8x2 1/4

