

Owner's Manual
FAQ's
Assembly Instructions
Warranty Information

BACKYARD



DISCOVERY™

Highlander
Wooden Playcenter - 2013

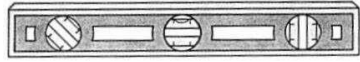
Model: 6010

Manufacturer:

Backyard Discovery
3001 North Rouse
Pittsburg, KS 66762

Tools Required for Installation:

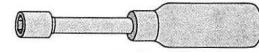
(These are the tools that are generally required for assembly of our playsets. These tools are not included in the playset purchase.)



(Level 24")



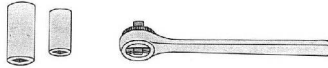
(Open end Wrenches
1/2" & 7/16")



(Nut drivers
1/2" & 9/16")



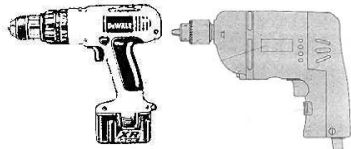
(Tape Measure)



(3/8" Drive Ratchet, 1/2" & 9/16" std sockets
1/2" & 9/16 deep sockets)



(Claw Hammer)



(3/8" Cordless Drill or Electric drill)



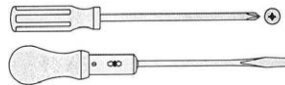
(1/8", 5/16" &
3/8" drill bits)



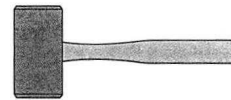
(Drill attachments:
Phillips head screw
3/8" Socket Driver
Torque head screw)



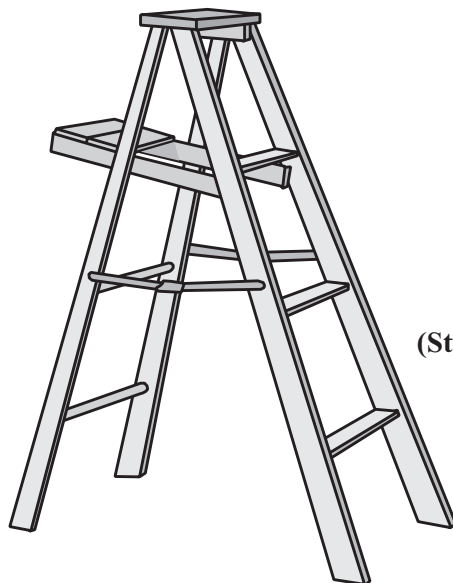
(An Adult w/an
Adult helper)



(Phillips & Straight Blade
screw drivers)



(Rubber Mallet -Optional)



(Step Ladder)

Owner's Manual Play Set

Dear Customer:

Please read entire booklet completely before beginning the assembly process.

Equipment is recommended for use by **children 3 to 10 years of age**. Structures are **not intended for public use**. **The Company does not warranty any of its residential structures subjected to commercial use such as: Daycare, Preschool, Nursery School, Recreational Park, or any similar Commercial Application.**



WARNING: This Symbol points out important safety instructions which, if not followed, could endanger the personal safety of yourself and your children and/or damage your property. You **MUST** read and follow all instructions in this manual before attempting to use this playcenter.



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

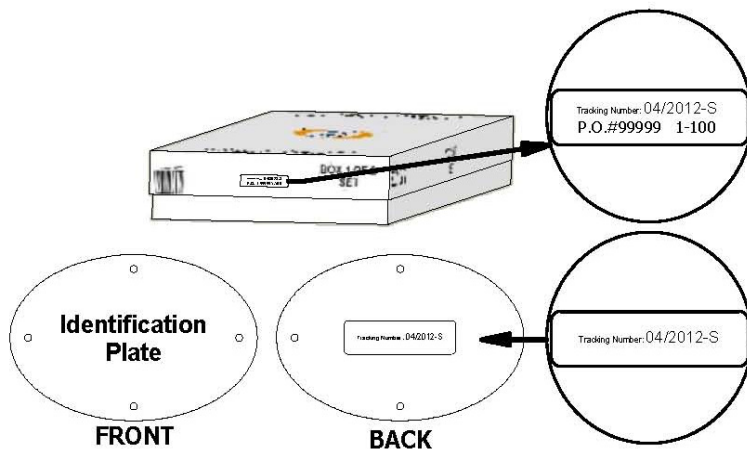
Please follow all recommendations below. **Failure to do so may result in the warranty being void and/or safety violations that could result in serious injury.** This manual contains helpful information concerning Assembly Preparation, Installation Procedure, and Required Maintenance. Always keep the safety of your children in mind as your play structure is being built and as your children play on the set. Before your children play on the set please review the Operation Instructions with them to help ensure their safety.

PLEASE RETAIN THESE INSTRUCTIONS 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 back of the ID plate are included for tracking purposes associated with warranty claims.

Owner's Manual Play Set

Please refer to the Assembly section of the Assembly Manual for Maximum Fall Height.

Positioning Your Playcenter

1. 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.
2. 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.
3. Place the equipment not less than **6 ft (1.8 m)** from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines, or electrical wires.
4. 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.
5. It is a good idea to place your Playcenter in an area that is convenient for adults to watch children at play.
6. 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.
7. Do not build your playset on top of surfacing material.
8. 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.
9. 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 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.

Owner's Manual Play Set

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
	6" (152mm)	9" (228mm)	12" (304mm)	to 9" (228mm)
Wood Chips	7' (2.13m)	10' (3.05m)	11' (3.35m)	10' (3.05m)
Double-Shredded bark mulch	6' (1.83m)	10' (3.05m)	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.

Operating Instructions:



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

1. This Playcenter is designed for specific number of occupants whose combined weight **should not exceed** a 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 for the specific unit.
2. On-site adult supervision is **required**.
3. Instruct children **not** to walk close to, in front of, behind, or between moving swings or other moving playground equipment.
4. Instruct children to sit in and **never** stand on swings
5. Instruct children **not** to twist the chains and ropes and not to loop them over the top support bar, since this may reduce the strength of the chain or rope.
6. Instruct children **not** to jump from swings or other playground equipment in motion.
7. Instruct children to **not to push** empty seats. The seat may hit them and cause serious injury.
8. Instruct and teach children to sit in the center of the swings with their full weight on the seats.
9. Instruct children **not** to use the equipment in a manner other than intended.
10. Instruct children to **always** go down slides feet first. Never slide head first.
11. Instruct children to **look** before they slide to make sure no one is at the bottom.
12. Instruct children to **never** run up a slide, as this increases their chances of falling.
13. The parents should **dress children appropriately**. (Examples would include the use of well-fitting shoes and the avoidance of ponchos, scarfs, and other loose-fitting clothing that is potentially hazardous while using equipment).
14. Instruct children **not** to climb when the equipment is wet.
15. Instruct children to **never** jump from a fort deck. They should always use the ladder, ramp or slide.
16. Instruct children to **never** crawl or walk across the top of monkey bars.
17. Instruct children to **never** crawl on top of a fort roof.

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18. Verify that any suspended climbing ropes, chain, or cable are secured at both ends and that they cannot be looped back on it.
19. Instruct children **not** to attach items to the playground equipment that are not specifically designed for use with the equipment, such as, but not limited to, jump ropes, clothesline, pet leashes, cables and chain as they may cause a strangulation hazard.
20. Instruct children to **never** wrap their legs around swing chain.
21. Instruct children to **never** slide down the swing chain.
22. Instruct children to remove their bike or other sports helmet before playing on playground equipment.

Maintenance Instructions:

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, and corners. Replace if they are loose, cracked, or missing.
- Rake and check depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary.
- Once a month during play season.
- 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 play 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.

Owners shall be responsible for maintaining the legibility of the warning labels.

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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 waterbourne 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.

APPENDIX A

Information on Playground Surfacing Materials:

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/cpscpub/pubs/323.html.

X3. SECTION 4 OF THE CONSUMER PRODUCT SAFETY COMMISSION'S OUTDOOR HOME PLAYGROUND SAFETY HANDBOOK⁹

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/manufacturer for a report showing that the product has been tested to the following safety standard: ASTM **F 1292** Standard Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment. This report should show the specific height for which the surface is intended to protect against serious head injury. This height should be equal to or greater than the fall height – vertical distance between a designated play surface (elevated surface for standing, sitting, or climbing) and the protective surfacing below – of your play equipment.

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.

⁹This 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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The American Society for Testing and Materials takes no position respecting the validity of any parent right asserted in connection with any item mentioned in this standard. Users of this standard are expressly advised that determination of the validity of any such parent rights, and the risk of infringement of such rights, are entirely their own responsibility.

The standard is subject to revision at any time by the responsible technical committee and must be reviewed every five years and if not revised, either approved or withdrawn. Your comments are invited either for revision of this standard or for additional standards and should be addressed to ASTM Headquarters. Your comments will receive careful consideration at a meeting of the responsible technical committee, which you may attend. If you feel that your comments have not received a fair hearing you should make your views known to the ASTM Committee on Standards, 100 Barr Harbor Drive, West Conshohocken, PA 19428.

Play Set Assembly Manual FAQs:

1. Does the area for the playset need to be level? Yes Backyard Discovery recommends the playset be positioned on a flat level area for maximum safety and durability. The stakes provided should be used to secure it firmly to the ground.
2. What size area is recommended for the playset? Backyard Discovery recommends at least a 6' (six foot) perimeter around and above the playset for maximum safety.
3. What age range is appropriate for the playsets? Backyard Discovery playsets are recommended for children ages 3 – 10 years.
4. Is the wood treated with chemicals? Backyard Discovery uses 100% Chinese Cedar wood which is naturally bug resistant, decay and rot resistant. To help ensure your child's safety, our wood is completely chemical free and we do not use pressure-treated wood. The stain we use is a top coat using a water-based product that is for appearance only.
5. How often should the playset be stained? Backyard Discovery recommends the playset be stained once each year. A water or oil based stain can be used at the customer's discretion.
6. Why does it seem that my swing set is developing cracks? Wood is a natural material; no two pieces are exactly alike. Each piece has its own characteristics and personality and reacts differently to climate changes. When any wood product is exposed to the elements, it develops "wood checks". A check is the radial separation of the wood fibers running with the grain of the wood. These are caused by the varying temperature and moisture conditions. A check is not a crack – it does not affect the strength or durability of the wood or structural integrity of the play set.
7. Do Backyard Discovery playsets come with a warranty? Yes. All Backyard Discovery products carry a 1-year replacement warranty on all parts for manufacturer's defect. Our wood carries a 5 year warranty on rot and decay as well. Please see warranty details for more information.
8. What is the best way to get started assembling the playset? Backyard Discovery recommends taking all the parts out of the boxes and arranging them by part number before you begin any assembly. This will not only allow faster assembly, but will also identify any parts that may be missing or damaged so they can be replaced before assembly. If parts are missing or need replacement, go to www.swingsetsonline.com/support.aspx and follow the prompts to order them. Next, read the assembly manual and get the tools ready for the job as recommended in the manual. If the assembly manual is lost or misplaced a new one can be printed from Backyard Discovery's website: www.swingsetsonline.com.
9. The playset seems to rock or sway too much. What's wrong? Rocking is caused by uneven ground or obstructions such as rocks, roots, etc. under the ground rails. These should be removed and the ground underneath re-leveled to prevent rocking. Also ensure the playset is securely staked to the ground using the stakes provided.
10. The 2"x 4" boards do not measure 2"x 4". Why not? In the U.S. it's common practice to describe lumber dimensions using the rough cut sizes from the sawmill and not the finished dimensions. Retailers, home stores, etc. all use this accepted practice for describing lumber dimensions.

However, Backyard Discovery playsets are designed and constructed using the actual dimensions so everything fits properly and remains so during the life of the playset.

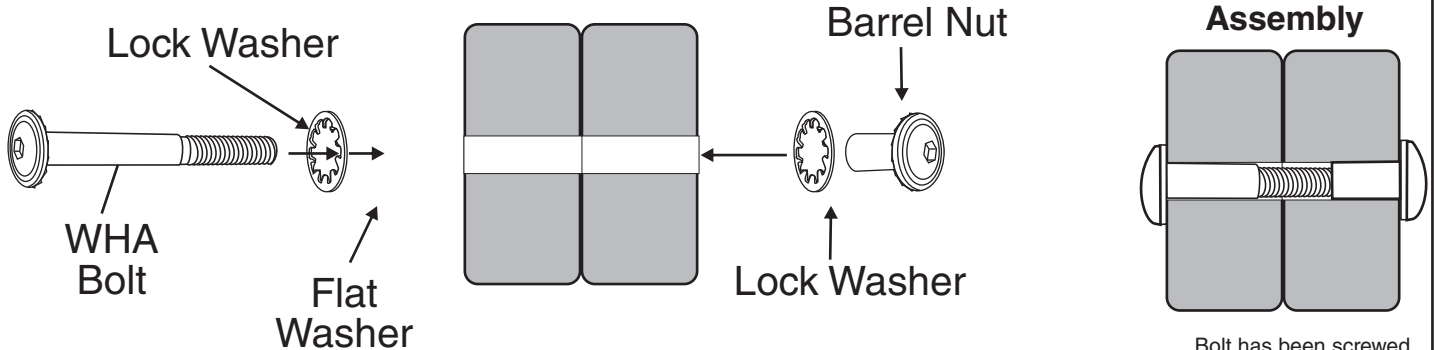
11. The end beam is not straight up and down. Why not? This is normal. Backyard Discovery designs playsets this way to ensure the strongest structure possible. The slight angle adds strength and reduces rocking and twisting.
12. The S-hooks for the swings won't close. What is wrong? Backyard Discovery recommends placing them on a hard surface such as concrete (don't do this on anything that will dent such as metal or finished wood or glass which will break!). It will take quite a few strokes, but the hooks will close.

For more information and frequently asked questions, please refer to our website at www.swingsetsonline.com .

USING THE HARDWARE

LEISURE TIME PRODUCTS, INC GYM SETS USE A FEW STANDARD CONNECTIONS. BECOMING FAMILIAR WITH THESE CONNECTIONS WILL SIMPLIFY ASSEMBLY AND INSURE A SAFER PLAY PRODUCT FOR YOUR CHILDREN.

How to use Safe-T-Fuse Fasteners



Check the positioning of parts in each Step's illustration, noting which of the parts should receive the Lock Washer and Barrel Nut. Place the Barrel Nut and Lock Washer in the hole. Align the holes in the parts to be fastened. Start preliminary tightening of bolt into Barrel Nut by hand.

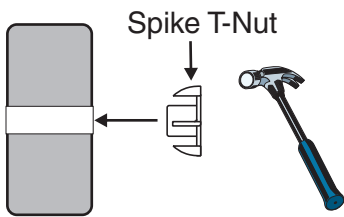
To **securely tighten**, turn the bolt with an Allen Wrench until the Lock Washer is fully compressed between the head of the bolt and the Barrel Nut.

Note that in some steps the instructions say to tighten "**just snug**." This means to tighten the bolt just enough to keep the parts together, but loose enough to allow the parts to move. This is necessary to allow squaring and leveling. The bolt will be tightened securely in a following step. All bolts and screws must be tightened securely before the playset is ready for use.

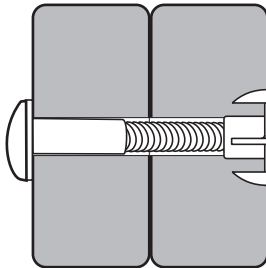
Bolt has been screwed securely into Barrel Nut and Lock Washer and the connection is tight.

Check connections periodically for tightness during the life of the Gym set.

Do not over tighten.

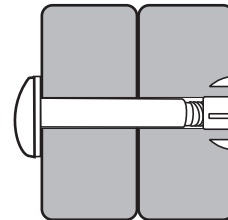


Check the positioning of parts in each Step's illustration, noting which of the parts should receive the Spike T-Nut. Place the Spike T-Nut in the hole and then seat it with one or two taps of a hammer. Align the holes in the parts to be fastened. Start preliminary tightening of bolt into seated nut by hand.



Bolt has been screwed securely into Spike T-Nut and the connection is tight. Check connections periodically for tightness during the life of the Gym set.

Do not over tighten.



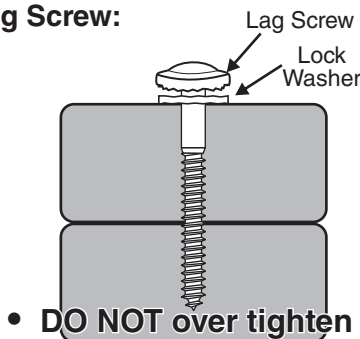
Incorrect Assembly

During assembly or maintenance, do not over tighten the bolts. Over tightening can cause the bolt to protrude past the spiked tee nut, which could cause personal injury. Over tightening can also cause the wood to be compressed or to "sink in" the bolt, washer or spiked tee nut. If this has happened, you may need to add additional washers or replace the bolt with a shorter one, so that the bolt does not protrude.

Failure to replace this bolt with a shorter one could result in personal injury.

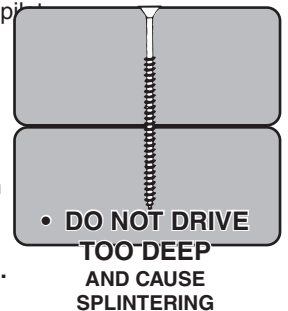
Typical Installation -Lag Screw:

- Always drill pilot holes when using Lag Screws. The size of the pilot hole will be specified in the Step.
- Tap the head of the Lag Screw with a hammer to start the threads into the wood and then use an wrench to tighten.



Typical Installation -Wood Screw:

- Use an electric drill or screw gun to drive screws.
- These screws are self-tapping, so no pilot holes are required.
- Lubricate the threads of the screws with beeswax or soap to ease installation and minimize breaking screws.
- **It is very important to make certain that the tops of all screws are flush with the surface of the wood and there are no protruding sharp edges.**



Includes **SAFE-T-FUSE** Fastener System

Highlander

**Model
#6010**



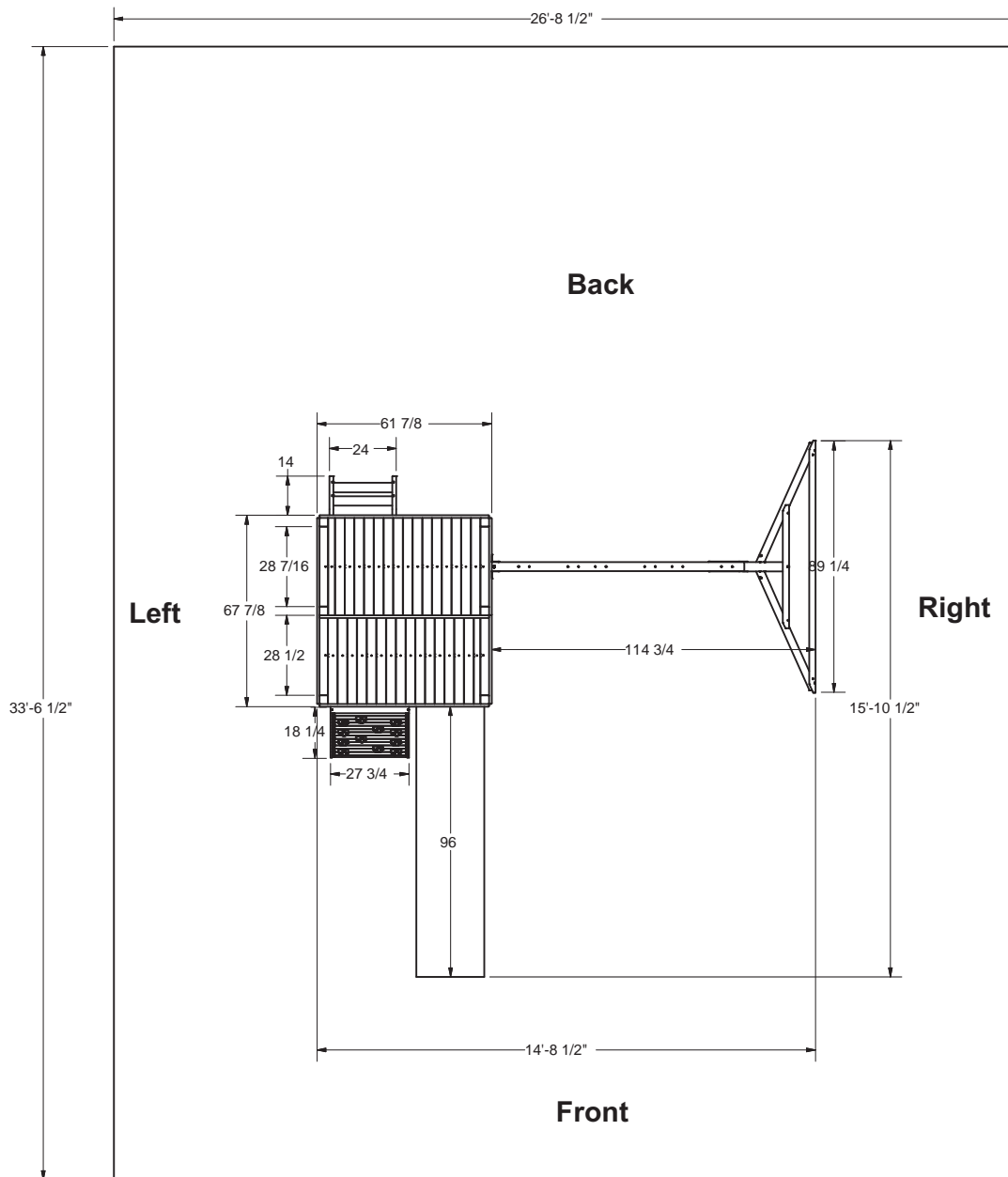
**Assembly Requires
Two Moderately Skilled People.**

If you need assistance with parts or have assembly questions, please call Customer Service
at **800-765-4138**

Please read the entire instruction manual carefully before proceeding with the assembly or use of
your new gym set. **SAVE THIS MANUAL** for future reference in the event that you need to contact us
for assistance or replacement part information and ordering.

LEISURE TIME PRODUCTS INC

For Residential Use Only



Dimensions:

- The Highlander has One layout option.

Layout: Ground Dimension

Safe Play Area*

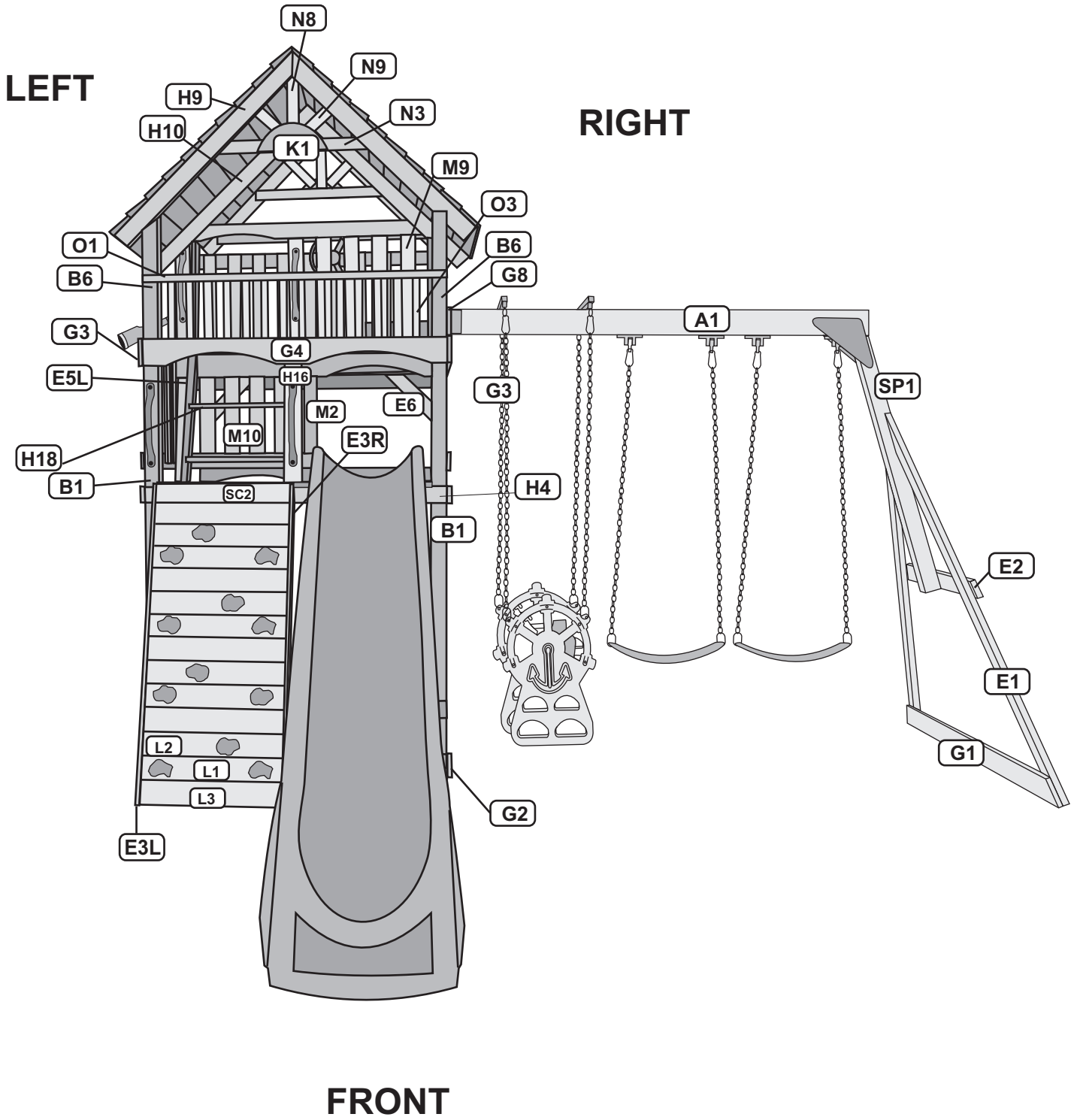
14'-8 1/2" x 15'-10 1/2" x 12'-10" high 26'-8 1/2" x 33'-6 1/2" x 18'-10" high

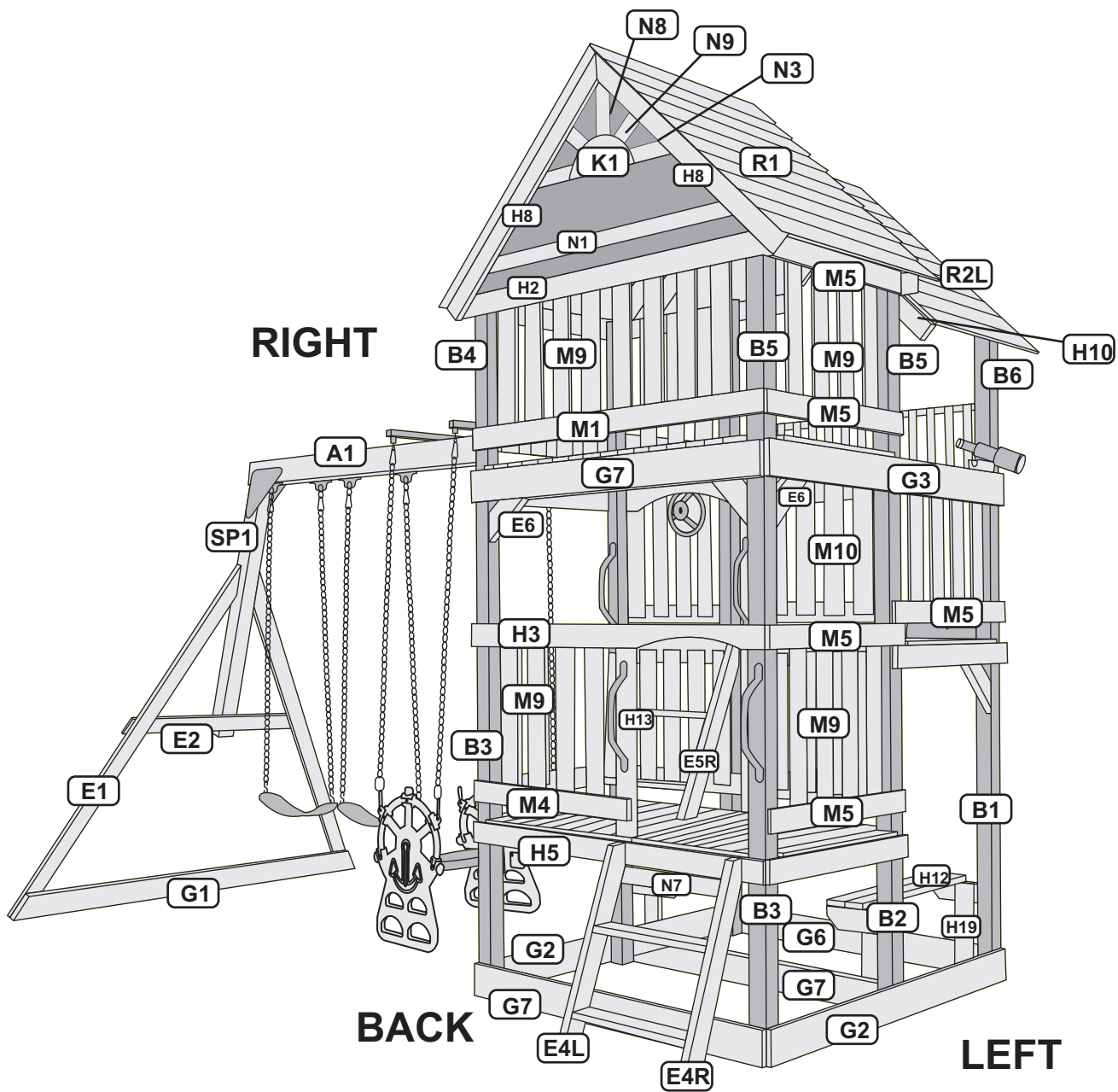
*Level Ground Surface - See below

- Additional accessories may increase the size of the Safe Play Area.
- Max fall height 91 1/2"

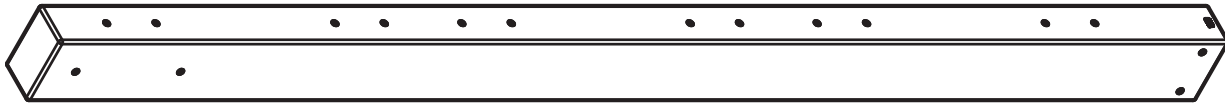
General Information:

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 unit set.





A1 - SWING BEAM (W100061) - 1 REQ - 84 X 134 X 2274 (3.312 x 5.25 x 89.5)



B1 - FRONT TOWER LEG (W100372) - 2 REQ - 76 X 76 X 2140 (3 x 3 x 84.25)



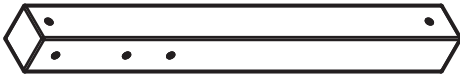
B2 - MIDDLE TOWER LEG (W100373) - 2 REQ - 76 X 76 X 2140 (3 x 3 x 84.25)



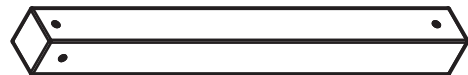
B3 - BACK TOWER LEG (W100374) - 2 REQ - 76 X 76 X 2140 (3 x 3 x 84.25)



B4 - CLUB HOUSE LEG (W100375) - 2 REQ - 76 X 76 X 814 (3 x 3 x 32)



B5 - CLUB HOUSE LEG (W100376) - 2 REQ - 76 X 76 X 814 (3 x 3 x 32)



B6 - PORCH ROOF SUPPORT (W100377) - 2 REQ - 76 X 76 X 724 (3 x 3 x 28.5)



E1 - ANGLE BRACE (W100440) - 2 REQ - 36 X 86 X 2147 (1.375 x 3.375 x 84.5)



E2 - BEAM END SUPPORT (W100441) - 1 REQ - 36 X 86 X 1112 (1.375 x 3.375 x 43.75)



E3L - LEFT ROCK WALL RAIL (W100488) - 1 REQ - 36 X 86 X 1568 (1.375 x 3.375 x 61.75)



E3R - RIGHT ROCK WALL RAIL (W100487) - 1 REQ - 36 X 86 X 1568 (1.375 x 3.375 x 61.75)



E4L - LEFT ENTRY LADDER RAIL (W100444) - 1 REQ - 36 X 86 X 814 (1.375 x 3.375 x 32)



E4R - RIGHT ENTRY LADDER RAIL (W100445) - 1 REQ - 36 X 86 X 814 (1.375 x 3.375 x 32)



E5L - LEFT ENTRY LADDER RAIL (W100446) - 2 REQ - 36 X 86 X 802 (1.375 x 3.375 x 31.5)



E5R - RIGHT ENTRY LADDER RAIL (W100447) - 2 REQ - 36 X 86 X 802 (1.375 x 3.375 x 31.5)



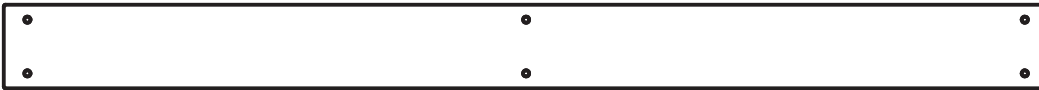
E6 - DECK BRACE (W100448) - 8 REQ - 36 X 86 X 420 (1.375 x 3.375 x 16.5)



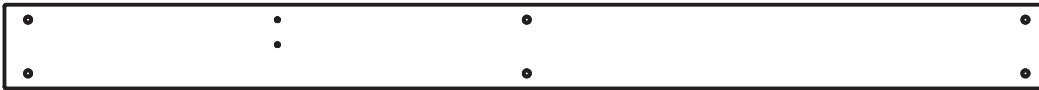
G1 - GROUND BOARD (W100378) - 1 REQ - 24 X 134 X 2274 (1 x 5.25 x 89.5)



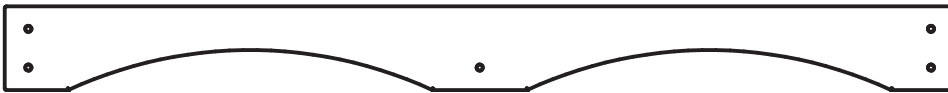
G2 - BASE BOARD (W100379) - 2 REQ - 24 X 134 X 1676 (1 x 5.25 x 66)



G3 - FLOOR RAIL (W100380) - 2 REQ - 24 X 134 X 1676 (1 x 5.25 x 66)



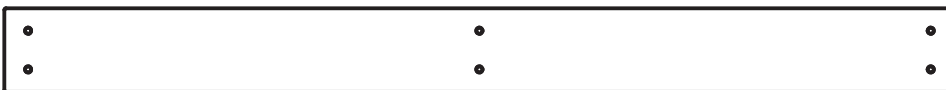
G4 - WALL RAIL (W100381) - 1 REQ - 24 X 134 X 1524 (1 x 5.25 x 60)



G5 - WALL RAIL (W100382) - 1 REQ - 24 X 134 X 1524 (1 x 5.25 x 60)



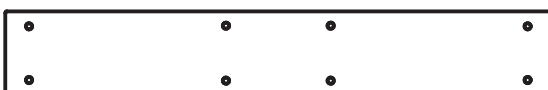
G6 - BASE BOARD (W100383) - 1 REQ - 24 X 134 X 1524 (1 x 5.25 x 60)



G7 - FLOOR RAIL (W100384) - 3 REQ - 24 X 134 X 1524 (1 x 5.25 x 60)



G8 - SWING BEAM MOUNT (W100385) - 1 REQ - 24 X 134 X 876 (1 x 5.25 x 34.5)



H1 - WALL RAIL (W100394) - 1 REQ - 24 X 86 X 1676 (1 x 3.375 x 66)



H2 - WALL RAIL (W100395) - 1 REQ - 24 X 86 X 1676 (1 x 3.375 x 66)



H3 - WALL RAIL (W100396) - 1 REQ - 24 X 86 X 1524 (1 x 3.375 x 60)



H4 - FLOOR RAIL (W100397) - 1 REQ - 24 X 86 X 1524 (1 x 3.375 x 60)



H5 - FLOOR RAIL (W100398) - 2 REQ - 24 X 86 X 1524 (1 x 3.375 x 60)



H6 - FLOOR RAIL (W100399) - 1 REQ - 24 X 86 X 1524 (1 x 3.375 x 60)



H7 - FLOOR JOIST (W100400) - 3 REQ - 24 X 86 X 1524 (1 x 3.375 x 60)



H8 - CLUB HOUSE RAFTER (W100401) - 4 REQ - 24 X 86 X 1270 (1 x 3.375 x 50)



H9 - FRONT PORCH RAFTER (W100402) - 2 REQ - 24 X 86 X 1270 (1 x 3.375 x 50)



H10 - BACK PORCH RAFTER (W100403) - 2 REQ - 24 X 86 X 1270 (1 x 3.375 x 50)



H11 - FLOOR RAIL (W100404) - 4 REQ - 24 X 86 X 876 (1 x 3.375 x 34.5)



H12 - PICNIC TABLE SEAT (W100405) - 4 REQ - 24 X 86 X 834 (1 x 3.375 x 32.875)



H13 - WALL RAIL (W100406) - 1 REQ - 24 X 86 X 804 (1 x 3.375 x 31.625)



H14 - TOP WALL RAIL (W100407) - 1 REQ - 24 X 86 X 726 (1 x 3.375 x 28.58)



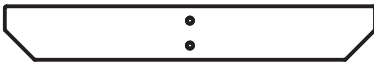
H15 - PICNIC TABLE SUPPORT (W100408) - 1 REQ - 24 X 86 X 670 (1 x 3.375 x 26.375)



H16 - FRONT WALL RAIL (W100409) - 1 REQ - 24 X 86 X 660 (1 x 3.375 x 26)



H17 - PICNIC TABLE TOP SUPPORT (W100410) - 1 REQ - 24 X 86 X 596 (1 x 3.375 x 23.5)



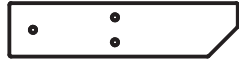
H18 - LADDER STEP (W100411) - 6 REQ - 24 X 86 X 558 (1 x 3.375 x 22)



H19 - PICNIC TABLE SEAT SUPPORT (W100412) - 4 REQ - 24 X 86 X 406 (1 x 3.375 x 16)



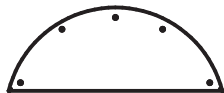
H20 - PICNIC TABLE SEAT SUPPORT (W100413) - 4 REQ - 24 X 86 X 368 (1 x 3.375 x 14.5)



H21 - PICNIC TABLE SUPPORT (W100414) - 2 REQ - 24 X 86 X 172 (1 x 3.375 x 6.75)



K1 - GABLE MOON (W100386) - 2 REQ - 16 X 134 X 344 (.625 x 5.25 x 13.5)



L1 - ROCK WALL BOARD (W100388) - 4 REQ - 16 X 112 X 668 (.625 x 4.375 x 26.25)



L2 - ROCK WALL BOARD (W100389) - 4 REQ - 16 X 112 X 668 (.625 x 4.375 x 26.25)



L3 - ROCK WALL BOARD (W100390) - 5 REQ - 16 X 112 X 668 (.625 x 4.375 x 26.25)



M1 - WALL RAIL (W100415) - 2 REQ - 16 X 86 X 1524 (.625 x 3.375 x 60)



M2 - WALL BOARD (W100416) - 1 REQ - 16 X 86 X 1294 (.625 x 3.375 x 51)



M3 - FLOOR BOARD (W100417) - 30 REQ - 16 X 86 X 924 (.625 x 3.375 x 36.375)



M4 - WALL RAIL (W100418) - 1 REQ - 16 X 86 X 888 (.625 x 3.375 x 35)



M5 - WALL RAIL (W100419) - 11 REQ - 16 X 86 X 876 (.625 x 3.375 x 34.5)



M6 - FLOOR BOARD (W100420) - 15 REQ - 16 X 86 X 822 (.625 x 3.375 x 32.375)



M7 - WALL RAIL (W100421) - 1 REQ - 16 X 86 X 812 (.625 x 3.375 x 32)



M8 - PICNIC TABLE BOARD (W100422) - 7 REQ - 16 X 86 X 808 (.625 x 3.375 x 31.875)



M9 - WALL BOARD (W100423) - 32 REQ - 16 X 86 X 660 (.625 x 3.375 x 26)



M10 - WALL BOARD (W100424) - 20 REQ - 16 X 86 X 584 (.625 x 3.375 x 23)



N1 - WALL RAIL (W100426) - 1 REQ - 16 X 60 X 1398 (.625 x 2.375 x 55)



N2 - FLOOR BOARD (W100427) - 2 REQ - 16 X 60 X 924 (.625 x 2.375 x 36.375)



N3 - GABLE BOARD (W100428) - 2 REQ - 16 X 60 X 864 (.625 x 2.375 x 34)



N4 - FLOOR BOARD (W100429) - 1 REQ - 16 X 60 X 822 (.625 x 2.375 x 32.375)



N6 - PICNIC TABLE SUPPORT (W100431) - 1 REQ - 16 X 60 X 596 (.625 x 2.375 x 23.4375)



N7 - LADDER BACK (W100432) - 3 REQ - 16 X 60 X 596 (.625 x 2.375 x 23.4375)



N8 - GABLE BOARD (W100433) - 2 REQ - 16 X 60 X 406 (.625 x 2.375 x 16)



N9 - GABLE BOARD (W100434) - 4 REQ - 16 X 60 X 254 (.625 x 2.375 x 10)



N10 - GABLE BOARD (W100435) - 2 REQ - 16 X 60 X 76 (.625 x 2.375 x 3)



O1 - WALL RAIL (W100391) - 1 REQ - 16 X 36 X 1524 (.625 x 1.375 x 60)



O2 - ROCK WALL SPACER (W100392) - 1 REQ - 16 X 36 X 626 (.625 x 1.375 x 24.625)



O3 - WALL BOARD (W100393) - 14 REQ - 16 X 36 X 356 (.625 x 1.375 x 14)



O4 - SLIDE BOARD (W100606) - 1 REQ - 16 X 36 X 530 (.625 x 1.375 x 20.875)



R1 - ROOF BOARD (W100437) - 20 REQ - 18 X 140 X 1054 (.71 x 5.5 x 41.5)



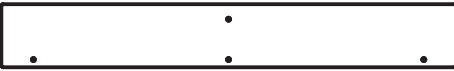
R2L - FRONT LEFT PORCH ROOF (W100438) - 10 REQ - 18 X 140 X 838 (.71 x 5.5 x 33)



R2R - FRONT RIGHT PORCH ROOF (W100439) - 10 REQ - 18 X 140 X 838 (.71 x 5.5 x 33)



SC1 - FLOOR BOARD (W100387) - 6 REQ - 16 X 100 X 722 (.625 x 4 x 28.4375)



SC2 - ROCK WALL BOARD (W100605) - 1 REQ - 16 X 100 X 668 (.625 x 4 x 26.25)

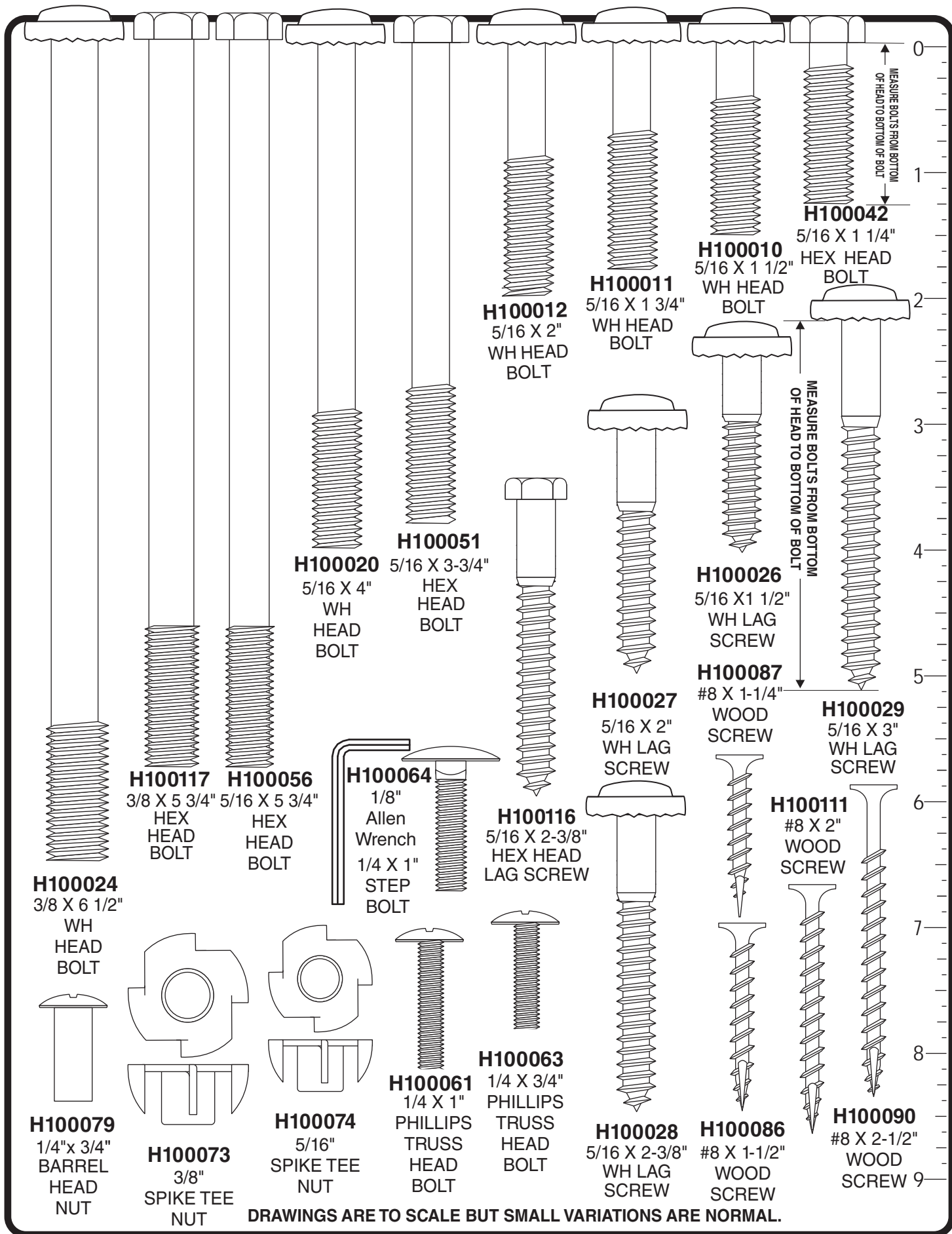


SP1 - BEAM SUPPORT (W100436) - 1 REQ - 86 X 86 X 1448 (3.375 x 3.375 x 57)



T1 - PICNIC TABLE SUPPORT (W100425) - 1 REQ - 24 X 34 X 596 (1 x 1.375 x 23.4375)



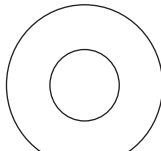




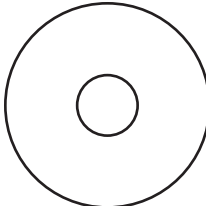
H100110
(5/16")
Lock Nut



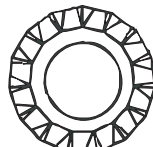
H100108
8 x 15
Internal
Tooth
Lock
Washer



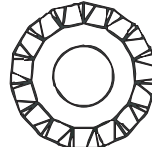
H100102
11 x 25
Flat
Washer



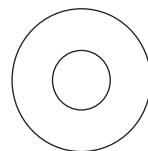
H100105
8 x 27
Fender Washer



12 x 19
H100031
Lock Washer



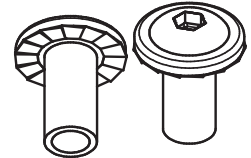
8 x 19
H100030
Lock Washer



H100104
5/16" Flat
Washer



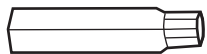
H100107
10 x 18
Internal
Tooth
Lock
Washer



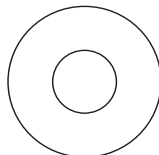
H100005
WHA NUT BARREL
(5/16 x 7/8")
Not to Scale



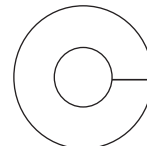
A100041
TORX WRENCH



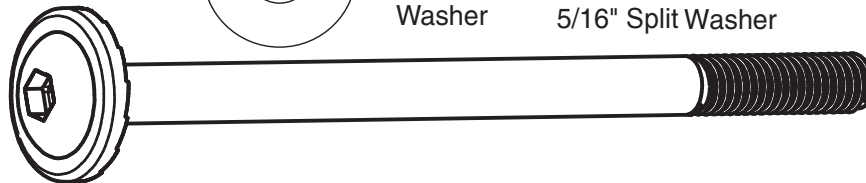
A100042
TORX BIT



H100106
9x18" Flat
Washer



H100095
5/16" Split Washer

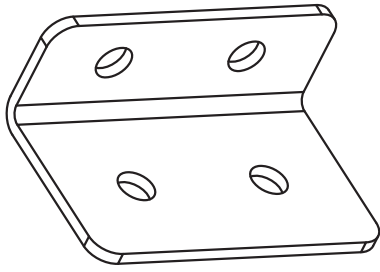


H100022
WHA BOLT
(5/16 x 5")
Not to Scale

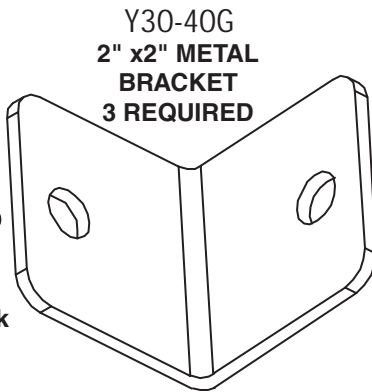
PART..... DESCRIPTION..... QTY.

A100041	T-40 Wrench	2
A100042	T-40 Bit For Drill	2
H100031	Washer Lock Ext (12mm ID x 19 mm OD)	8
H100010	WH Bolt (5/16" x 1 1/2")	3
H100093	Socket Wrench (1/8" - for 1/4-20 x 1" Step Bolt)	1
H100117	Hex Head Bolt (3/8"-16 x 5 3/4")	9
H100024	WH Bolt (3/8"-16 x 6 1/2")	1
H100056	Hex Head Bolt (5/16" x 5-3/4")	2
H100020	WH Bolt (5/16" x 4")	62
H100012	WH Bolt (5/16" x 2")	23
H100011	WH Bolt (5/16" x 1 3/4")	1
H100064	Step bolt (1/4-20 x 1" - w/ 7/8" Head Diameter & 1/8" Socket Drive)	3
H100079	Phillips Barrel Nut (1/4-20 x 3/4" long)	53
H100061	PTH Bolt (1/4 x 1")	11
H100063	PTH Bolt (1/4 x 3/4")	37
H100022	WH Bolt (5/16 x 5")	4
H100005	WH Nut Barrel (5/16 x 7/8")	2
H100029	WH Lag Screw (5/16" x 3")	2
H100028	WH Lag Screw (5/16" x 2 3/8")	58
H100027	WH Lag Screw (5/16" x 2")	42
H100026	WH Lag Screw (5/16" x 1 1/2")	20
H100090	Wood Screw (#8 x 2 1/2" Type 17 w/nibs)	15
H100111	Wood Screw (#8 x 2" Type 17 w/nibs)	51
H100086	Wood Screw (#8 x 1 1/2" Type 17 w/nibs)	494
H100087	Wood Screw (#8 x 1 1/4" Type 17 w/nibs)	332
H100073	T-nut (3/8" X 5/8" Long)	10
H100104	Flat Washer (19mm OD x 8mm ID)	19
H100107	Internal Tooth Lock Washer (18mm OD x 10mm ID)	10
H100074	T-nut (5/16")	90
H100110	Lock Nut (5/16")	15
H100102	Flat Washer (25mm OD x 11mm ID)	10
H100108	Internal Tooth Lock Washer (15mm OD x 8mm ID)	72
H100105	Fender Washer (8 x 27mm)	64
H100030	Lock Washer EXT 8mm x 19mm	241
H100031	Lock Washer Ext 12mm x 19mm	6
H100042	Bolt Hex (5/16" x 1 1/4")	4
H100106	Flat Washer (9mm ID x 18 MM OD)	8
H100095	Split Washer 5/16"	6
H100051	Hex Bolt (5/16" x 3-3/4")	4
H100116	Hex HeadLag Screw (5/16" x 2 3/8")	8
H100106	Flat Washer (18mm OD x 9mm ID)	10

NOTE: QUANTITIES INCLUDE EXTRA HARDWARE

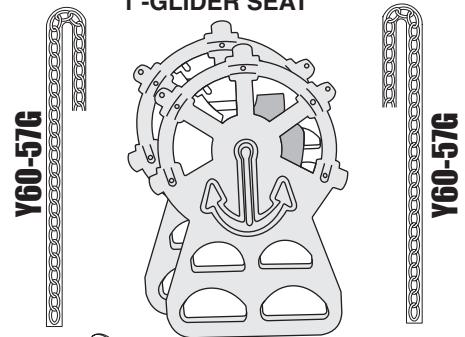


A100004
2" x 1.25" x 3.25" - 1/8" Thick
METAL BRACKET
2 REQUIRED



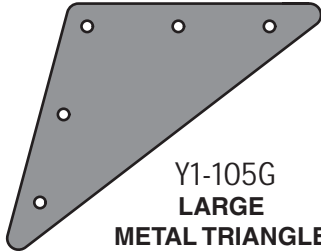
Y30-40G
2" x 2" METAL
BRACKET
3 REQUIRED

X11-CAY
2 - GLIDER ARMS
1 - GLIDER SEAT

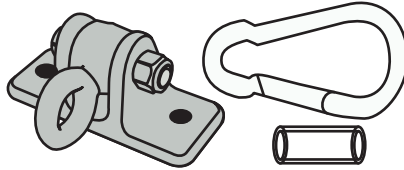


Y60-57G

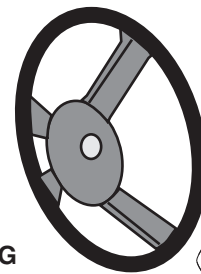
Y60-57G



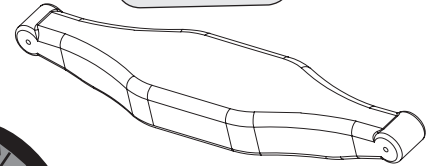
Y1-105G
LARGE
METAL TRIANGLE
2 REQUIRED



Y40-HD4
BAG OF 4
• SWING HANGER,
• CARABINER,
• PLASTIC TUBE



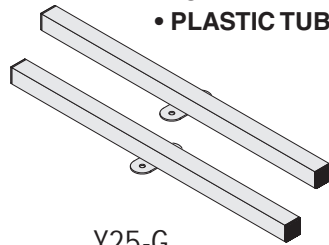
5137-1
STEERING
WHEEL



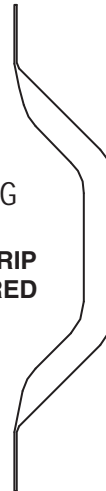
X2-G
BELT SWING
2 REQUIRED



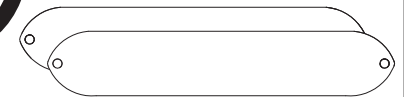
X20-G
GREEN
PLASTIC ROCKS
12 REQUIRED



Y25-G
GLIDER SUPPORTS
2 REQUIRED



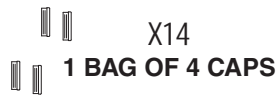
Y10-16.5G
16 1/2"
METAL GRIP
8 REQUIRED



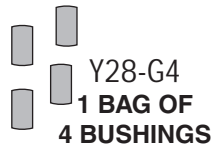
Y60-62G
CHAIN FOR SWING
4 REQUIRED



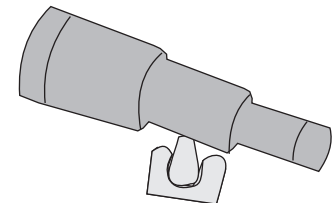
Y50-LTP
METAL ID PLAQUE



X14
1 BAG OF 4 CAPS



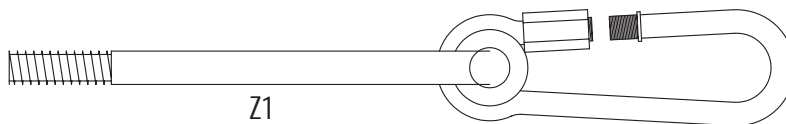
Y28-G4
1 BAG OF
4 BUSHINGS



5147-1
TELESCOPE
W/ MOUNTING BRACE
NO MAGNIFICATION



ZQLBI
2 BAGS OF
4 QUICK LINKS



Z1
QUICK LINK SWING HANGER 4 REQUIRED

ADDITIONAL ITEMS

- 1 - ASSEMBLY MANUAL
- 1 - 50226 - 10 FT. SLIDE

- 1 - HARDWARE KIT
- 6 - Y41 GROUND STAKES

ITEMS NEEDED

- (2) G3 Floor Rail
- (4) H11 Floor Rail
- (2) G2 Base Board
- (2) B1 Front Tower Legs
- (2) B2 Middle Tower Legs
- (2) B3 Back Tower Legs

HARDWARE NEEDED

- (22) H100020 - 5/16 X 4" WH Bolts
- (12) H100028 - 5/16 X 2 3/8" WH Lag Screws
- (34) H100030 - Lock Washers
- (22) Spike T Nut

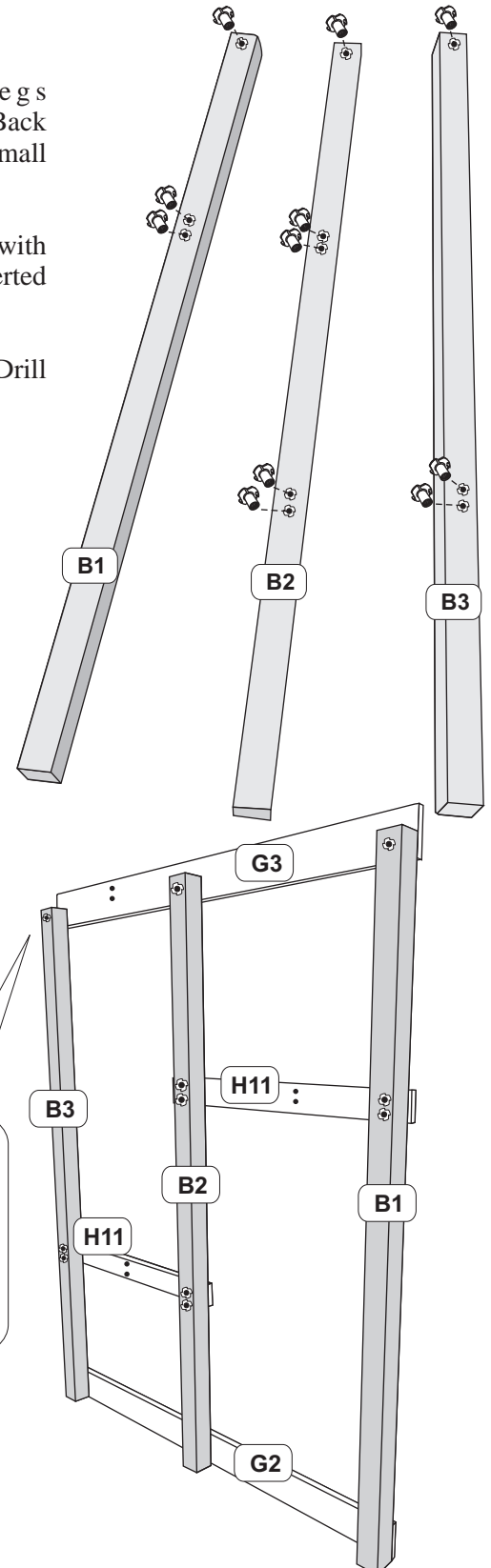
STEP 1

Begin by inserting 5/16" Spike T-Nuts in Tower Legs (Per Dia.). Then attach G3 Floor Rail to top of B1 Front, B2 Middle and B3 Back Tower Legs using 5/16"x 4" WH Bolts, and Lock Washers. (Note: Position of small pilot holes in G3 Floor Rail between B2 and B3 Tower Legs and towards top).

Attach H11 Floor Rail to B1 and B2 and another H11 Floor Rail to B2 and B3 with 5/16"x 4" WH Bolts, 5/16" and Lock Washers into the 5/16" Spike T-Nuts inserted earlier.

Use Holes in G2 Base Board to Pilot Drill B1, B2 and B3 Tower Legs with 3/16" Drill Bit. Now attach using 5/16"x 2-3/8" WH Lag Screws, and Lock Washers.

Repeat Step to construct opposite tower side.



ITEMS NEEDED

- (1) G4 Wall Rail
- (3) G7 Floor Rails
- (1) G6 Base Board

HARDWARE NEEDED

- (4) H100020 - 5/16 X 4" WH Bolts
- (12) H100028 - 5/16 X 2 3/8 WH Lag Screws
- (16) H100030 - Lock Washers
- (4) 5/16" Spike T Nut

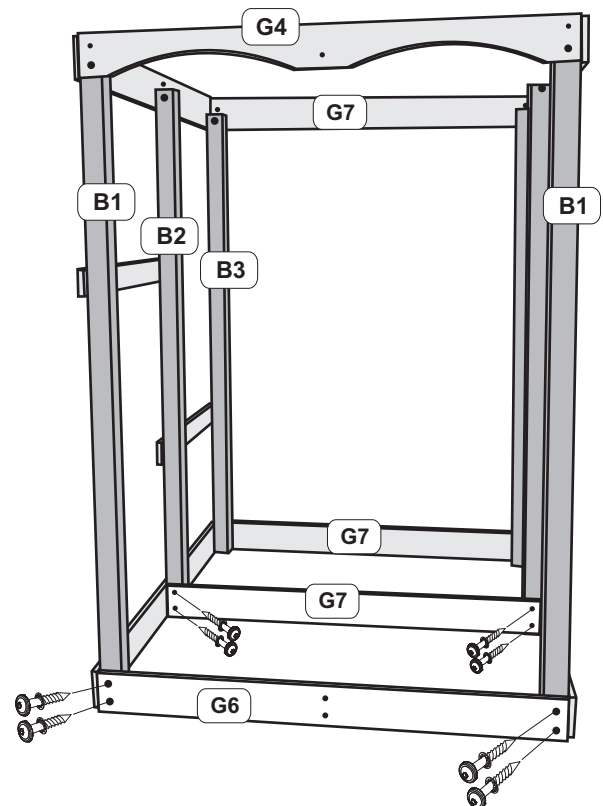
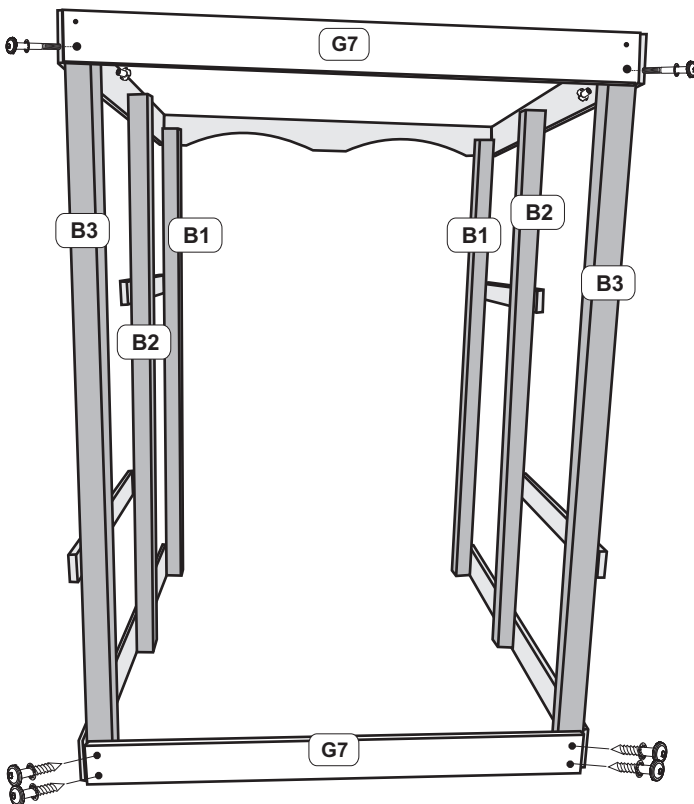
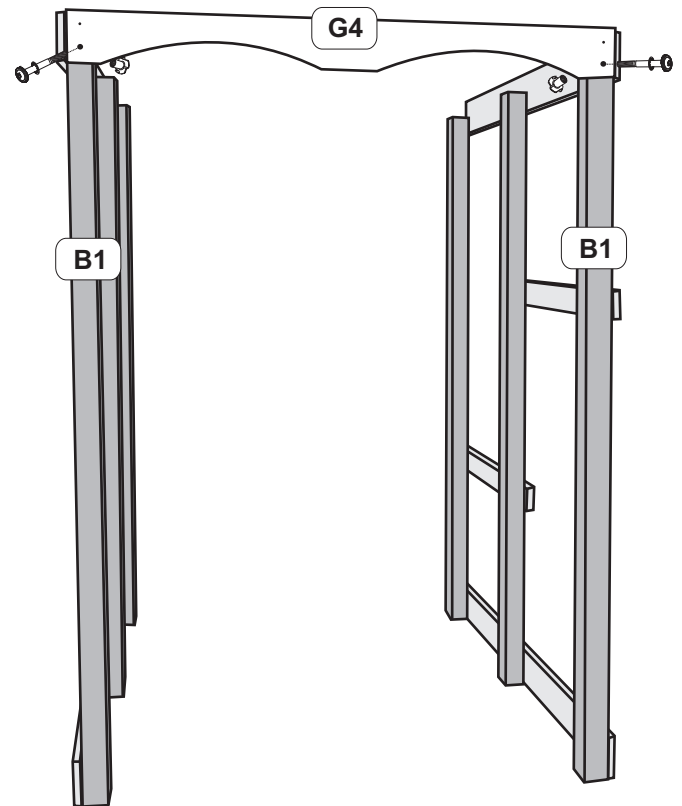
STEP 2

Attach G4 Wall Rail to B1 Front Tower Legs using 5/16" x 4" WH Bolts, Lock Washers and 5/16" Spike T-Nuts.

Attach G7 Floor Rail to top of B3 Back Tower Legs with 5/16" x 4" WH Bolts, Lock Washers and 5/16" Spike T-Nuts.

Attach another G7 Floor Rail to Bottom of B3 Back Tower Legs with 5/16" x 2-3/8" Lag Screws, Lock Washers and last G7 Floor Rail to B2 Middle Tower Legs. (Note: Position Between B1 and B2 Tower Legs). Pilot Drill and secure with 5/16" x 2-3/8" Lag Screws and Lock Washers.

Attach G6 Base Board to B1 Front Tower Legs using 5/16" x 2-3/8" Lag Screws and Lock Washers. (Pilot drill using 3/16" drill bit.)



ITEMS NEEDED

- (1) G5 Wall Rail
- (1) H4 Floor Rail

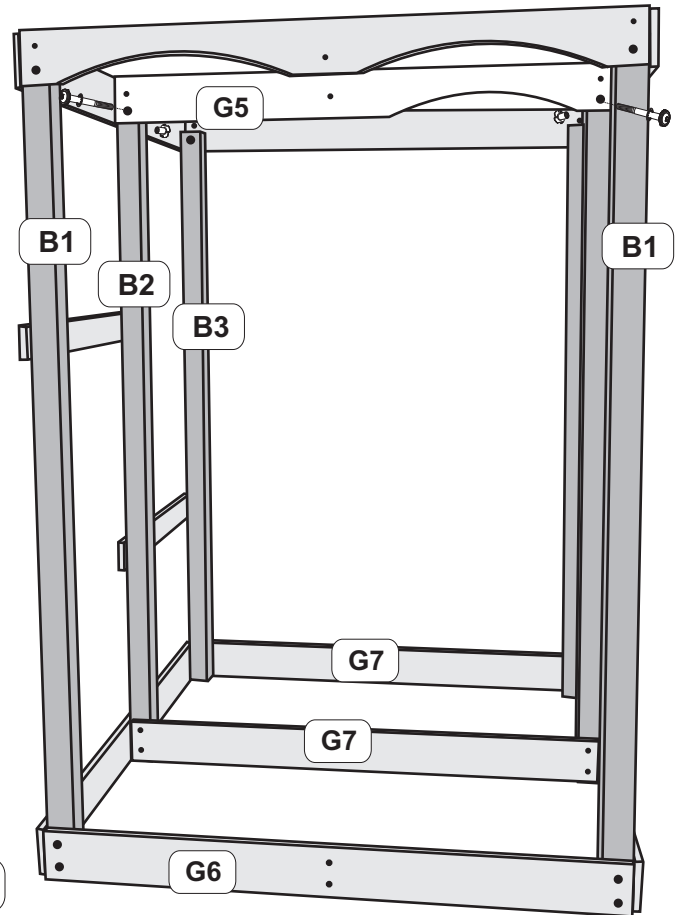
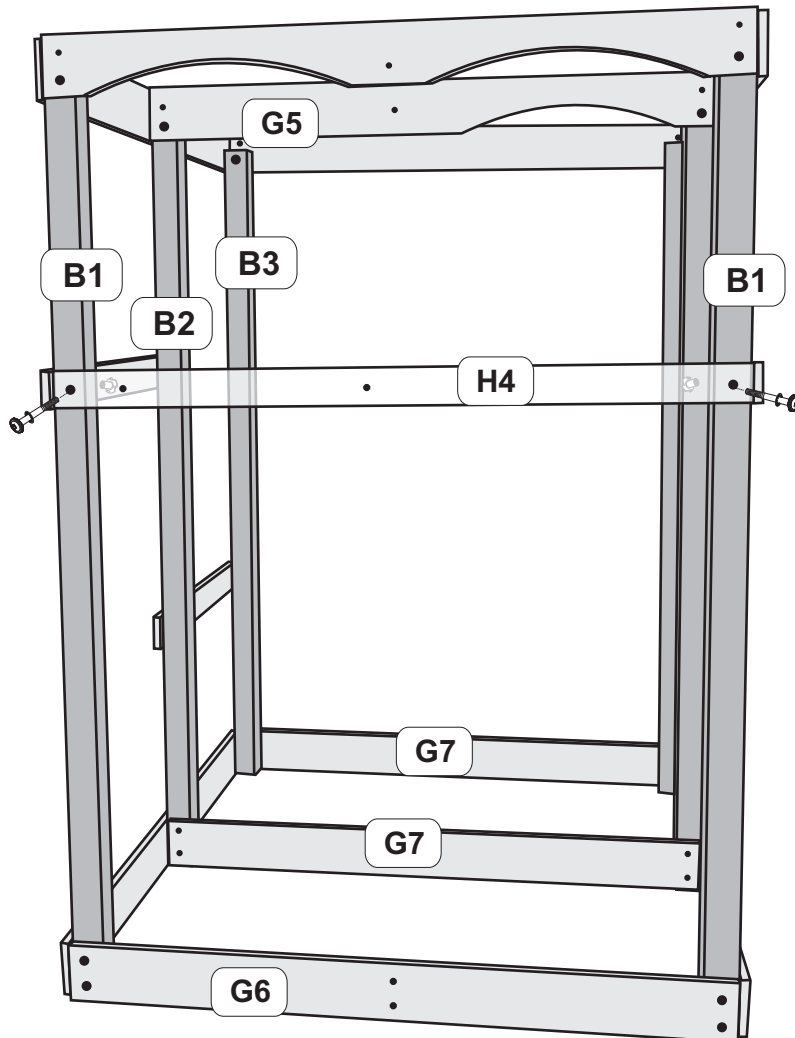
HARDWARE NEEDED

- (4) H100020 - 5/16" x 4" WH Bolt
- (4) 5/16" Spike Tee Nut
- (4) H100030 - Lock Washer

STEP 3

Attach G5 Wall Rail to B2 Middle Tower Legs between B2 and B1 Tower Legs using 5/16" x 4" WH Bolts, Lock Washers and 5/16" Spike T-Nuts. (Note position of arch).

Attach H4 Floor Rail to B1 Front Tower Legs using 5/16" x 4" WH Bolts, Lock Washers and 5/16" Spike T-Nuts. (Note position of holes toward left front).



ITEMS NEEDED

- (2) H5 Floor Rail
- (1) H6 Floor Rail

HARDWARE NEEDED

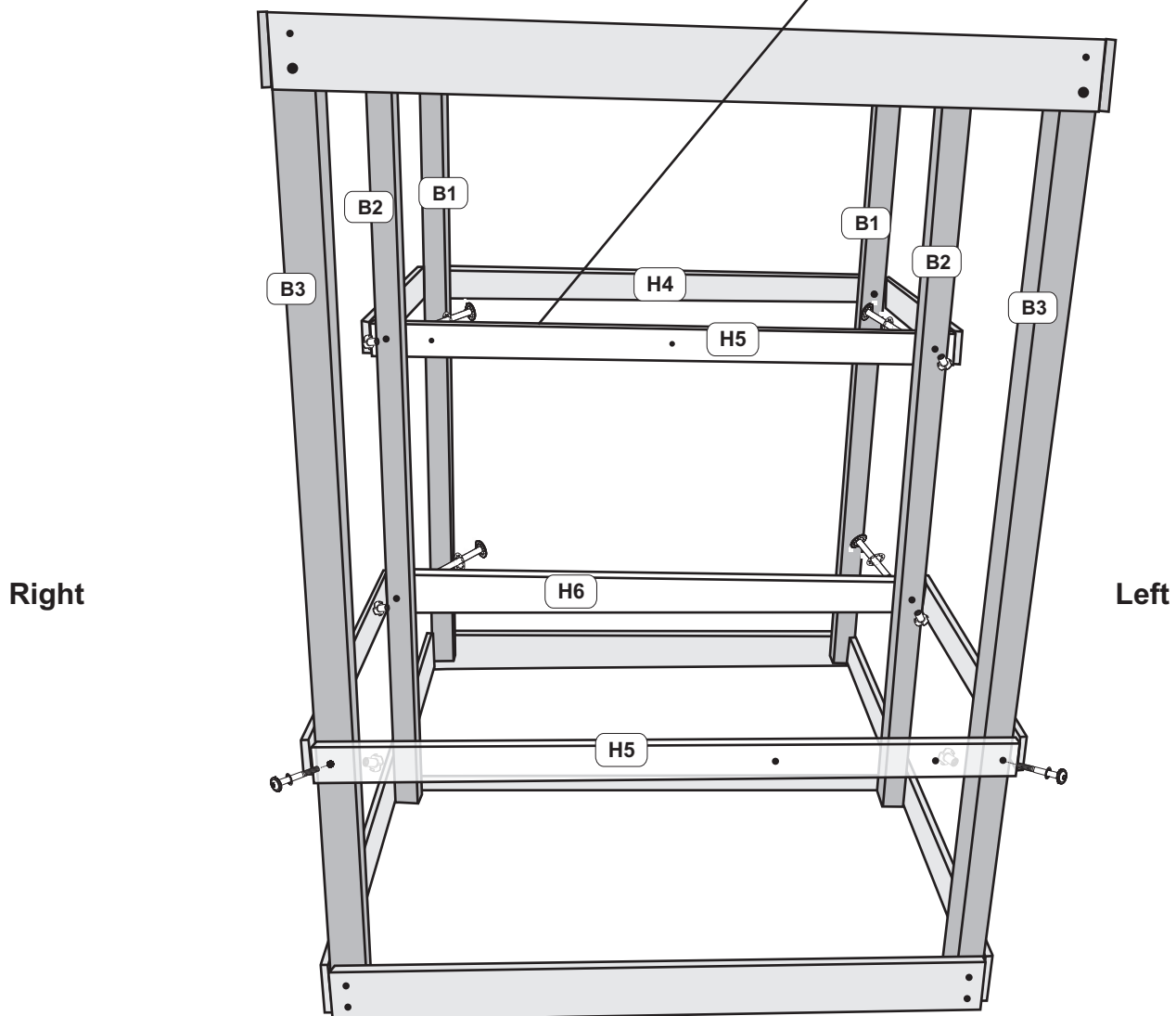
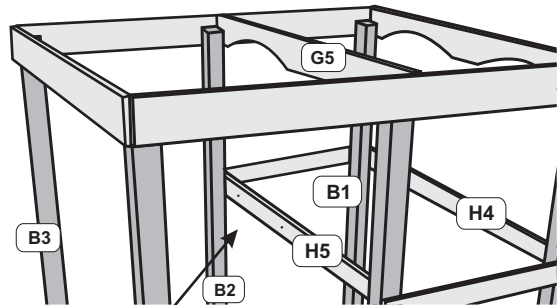
- (6) H100020 - 5/16" x 4" WH Bolt
- (6) 5/16" Spike Tee Nut
- (6) H100030 - Lock Washer

STEP 4

Attach H5 Floor Rail to B2 Middle Tower Legs between B2 and B1 Tower Legs. Also note position of holes in H5 so they are on the side of the archway in G5 Rail above. Fasten using 5/16"x 4" WH Bolts, Lock Washers and 5/16" Spike T-Nuts.

Attach H5 Floor Rail to B3 Back Tower Legs so the holes are to the Left Side Back with 5/16"x 4" WH Bolts, Lock Washers and 5/16" Spike T-Nuts.

Attach H6 Floor Rail to B2 Middle Tower Legs between B2 and B1 Tower Legs with 5/16"x 4" WH Bolts, Lock Washers and 5/16" Spike T-Nuts.



ITEMS NEEDED

- (8) E6 Deck Braces
- (4) Y41 Ground Stakes

HARDWARE NEEDED

- (16) H100028 - 5/16" x 2 3/8" WH Lag Screw
- (4) 1/4" x 1" Phillips Truss Head Bolt
- (4) 1/4" Phillips Barrel Nut
- (16) H100030 - Lock Washer
- (8) 5/16" Flat Washer
- (8) H100116 5/16" x 2 3/8" - Hex Lag Screws
- (12) H100108 - 5/16" Lock Washer
- (8) H100105 - 5/16" Fender Washer

STEP 5

(when using Lag Screws make sure to pilot drill with 3/16" drill bit.)

Making sure structure is level and plumb, attach two (2) E6 Deck Braces flush to top of H4 Floor Rail with 5/16"x 2-3/8" WH Lag Screws, 5/16" Lock Washers and Fender Washers and to B1 Front Tower Legs with 5/16"x 2-3/8" Hex Head Lag Screw, Lock Washer and 5/16" Flat Washer in counter sunk holes.

Now attach two (2) E6 Deck Braces flush with top of H11 Floor Rails using 5/16"x 2-3/8" WH Lag Screws and Fender Washers and to B1 Front Tower Legs with 5/16"x 2-3/8" Hex Head Lag Screws, Lock Washer and 5/16" Flat Washer in counter sunk holes.

Now attach four (4) more E6 Deck Braces to B3 Back Tower Legs and G3 and G7 Floor Rails with 5/16"x 2-3/8" WH Lag Screws, Lock Washers, 5/16" Fender Washers and 5/16" x 2-3/8" Hex Head Lag Screws and 5/16" Flat Washers in counter sunk holes to Tower Legs.

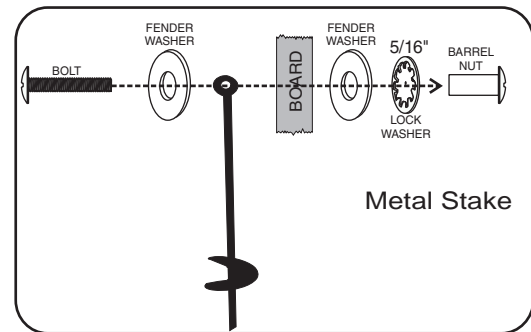
ANCHOR:

Position structure at this point making sure that all attachments will be in the proper space for your yard.

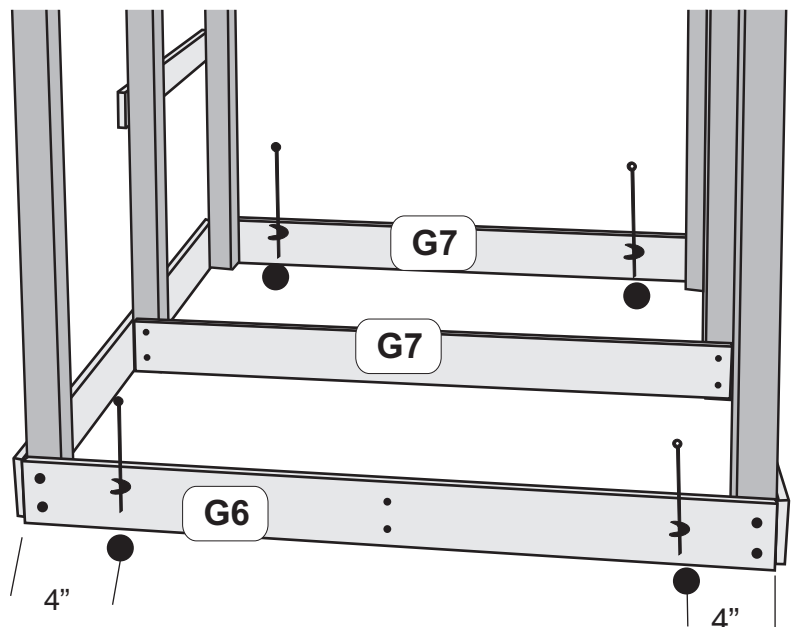
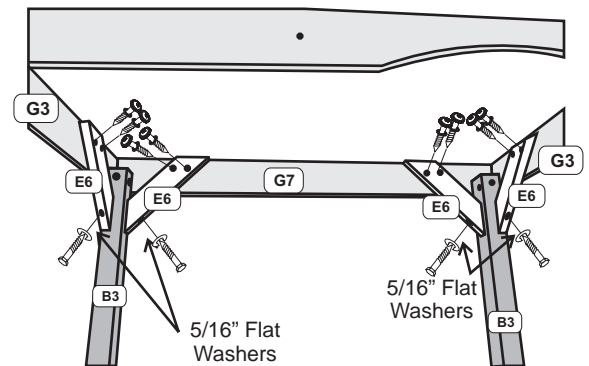
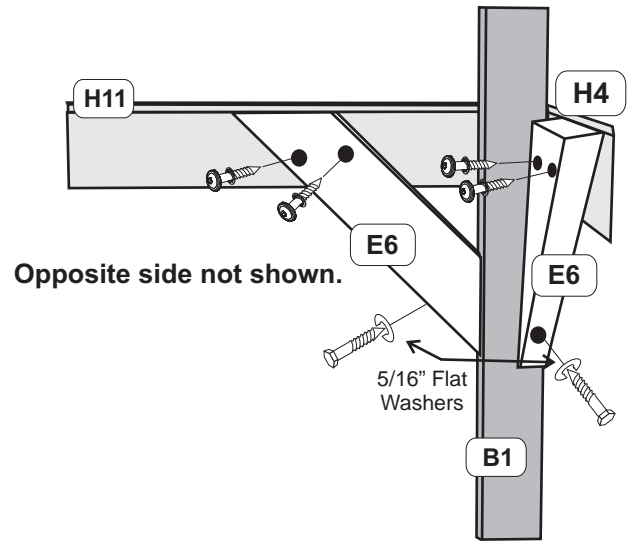
Position playset in permanent location and secure to ground. Measure in 4" from Tower Legs and 4" from inside of G7 Base board and mark ground. Now measure in 4" from Tower Legs and 4" from outside G6 Base Board and mark ground. This should allow enough space to twist Stakes into ground using screwdriver for leverage.

Twist Stakes until eye is approximately 3" from ground surface.

At this point you will need at least two people to slide the set into position next to the Stakes. Using eye in Stake as guide drill thru Base Boards with 3/8" drill bit and attach Stakes with 1" Phillips Truss Head Bolts 5/16" Lock Washers, Fender Washers and 1/4" Barrel Nuts as shown.



Note: If your ground is loose, sandy or rocky you may need to dig holes and secure Stakes with concrete.



ITEMS NEEDED

- (2) H7 Floor Joists
- (4) SC1 Floor Boards
- (15) M3 Floor Boards
- (15) M6 Floor Boards
- (1) N2 Floor Boards
- (1) N4 Floor Boards

HARDWARE NEEDED

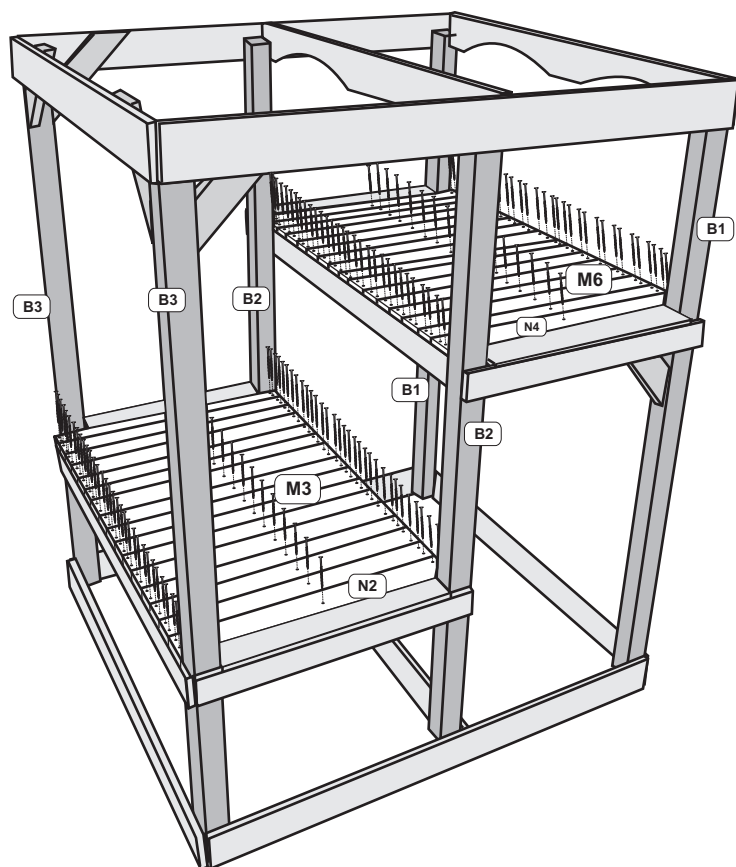
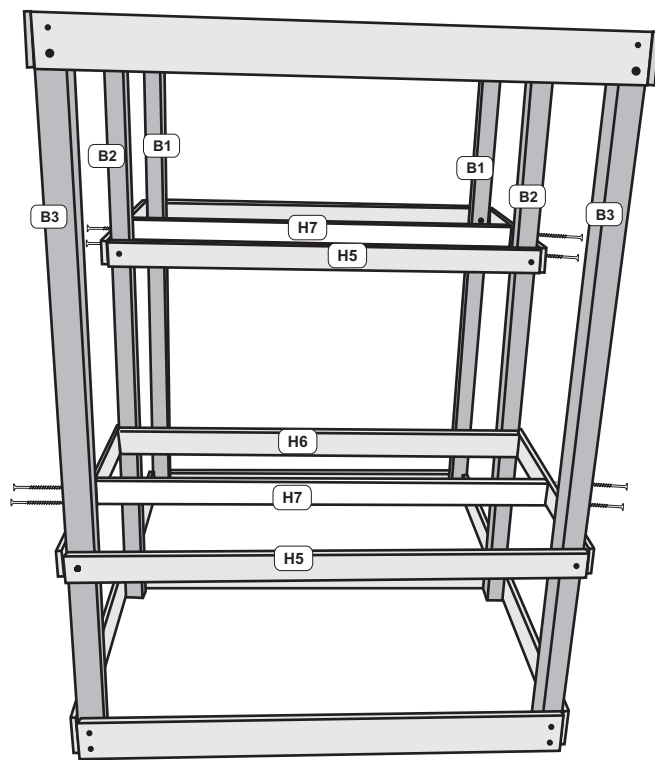
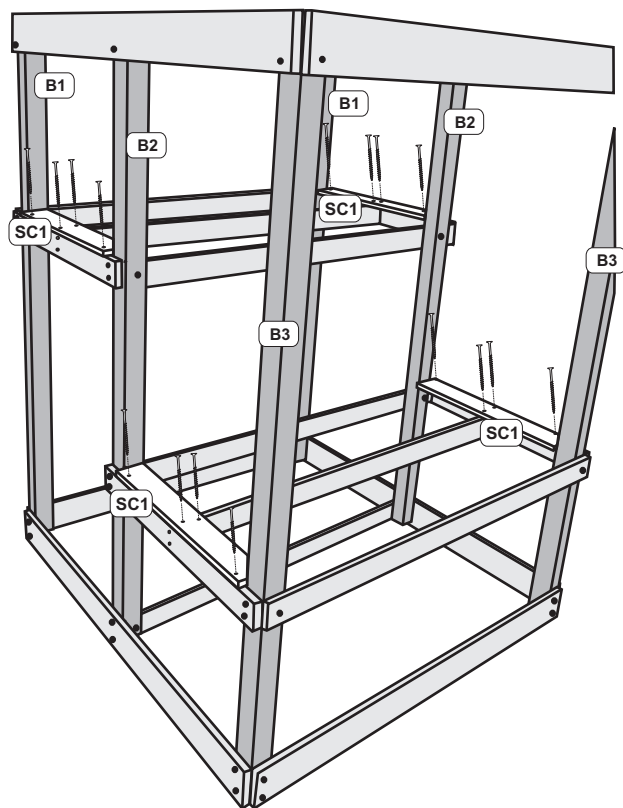
- (8) 2 1/2" Wood Screws
- (172) 1 1/2" Wood Screws

STEP 6

Attach H7 Floor Joists to H11 Floor Rails using 2-1/2" Wood Screws.

Now, attach four (4) SC1 Floor Boards two (2) between B2 and B3 Tower Legs on lower floor and two (2) between B1 and B2 Legs on middle floor using 1-1/2" Wood Screws.

Attach fifteen (15) M3 Floor Boards and one (1) N2 Floor Board to lower floor with 1-1/2" Wood Screws and fifteen (15) M6 Floor Boards and one (1) N4 Floor Board to middle floor with 1-1/2" Wood Screws. (**Note: space evenly**).



ITEMS NEEDED

- (2) B6 Porch Roof Supports
- (2) B5 Club House Legs
- (2) B4 Club House Legs

HARDWARE NEEDED

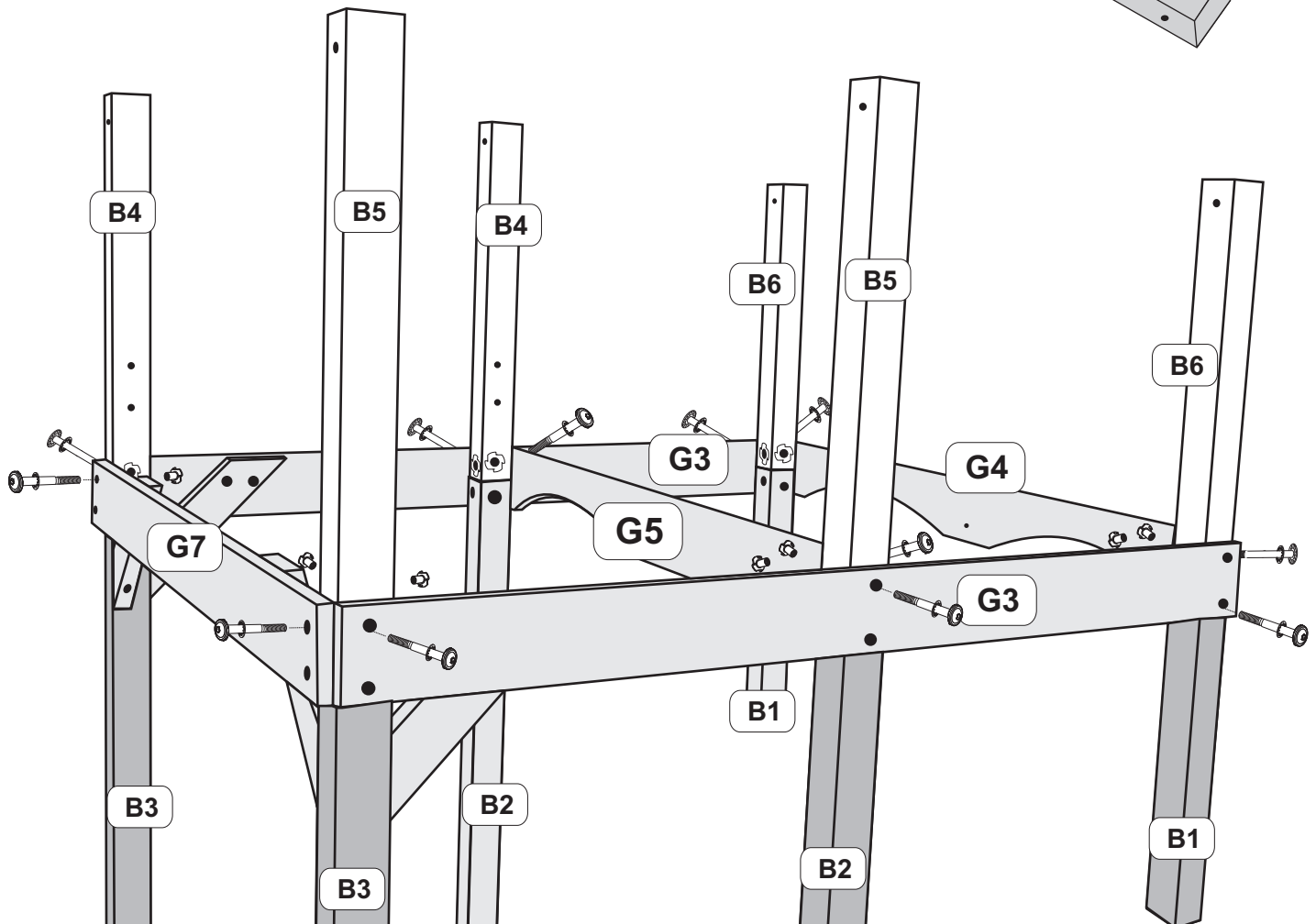
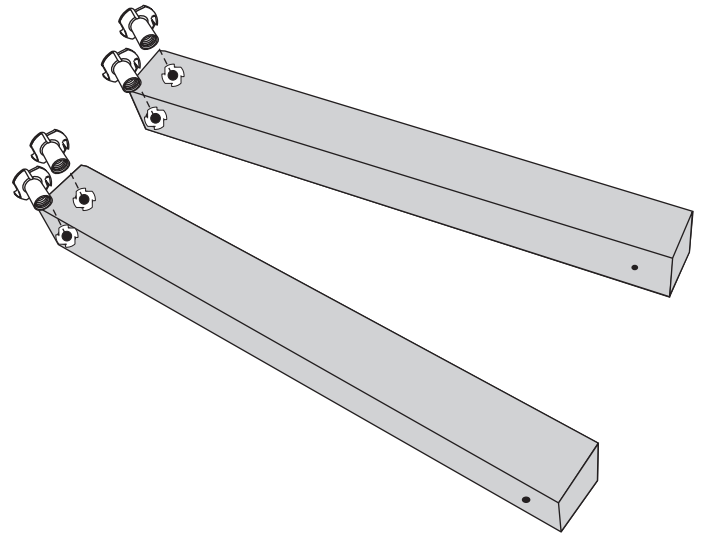
- (12) H100020 - 5/16" x 4" WH Bolt
- (12) 5/16" Spike Tee Nut
- (12) H100030 - Lock Washer

STEP 7

Attach B6 Porch Roof Supports to G3 and G4 Floor Rails above B1 Front Tower Legs with 5/16" x 4" WH Bolts, Lock Washers and 5/16" Spike T-Nuts.

Attach two (2) B4 Club House Legs to G3, G7 and G5 Floor Rails above B2 middle Tower Leg and B3 Back Tower Leg on right side of structure with 5/16" x 4" WH Bolts, Lock Washers and 5/16" Spike T-Nuts.

Attach two (2) B5 Club House Legs to G3, G7 and G5 above B2 and B3 tower Legs on left side of structure using 5/16" x 4" WH Bolts, Lock Washers and 5/16" Spike T Nuts.



ITEMS NEEDED

- (1) H7 Floor Joist
- (2) SC1 Floor Boards
- (15) M3 Floor Boards
- (1) N2 Floor Board

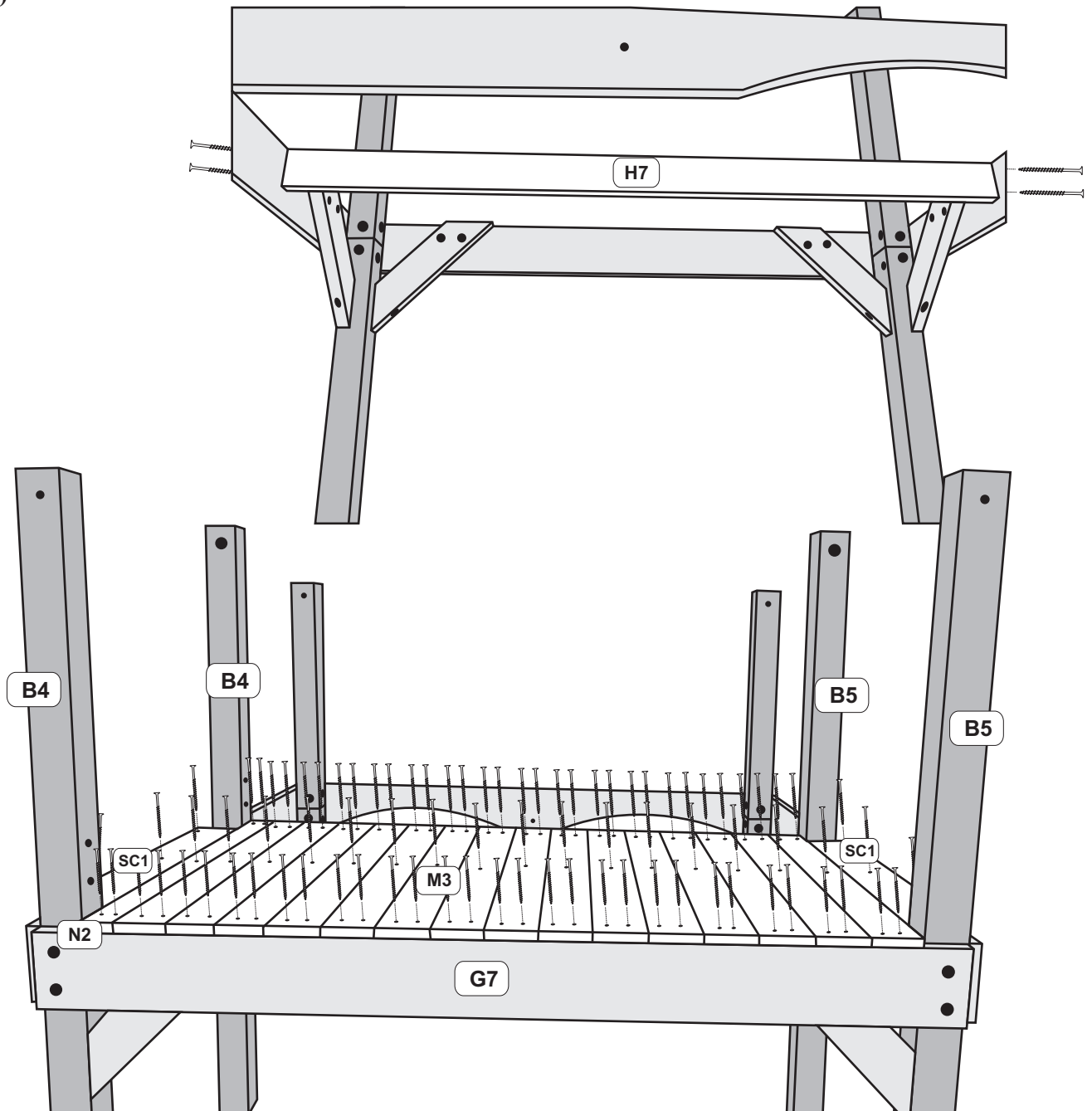
HARDWARE NEEDED

- (4) 2 1/2" Wood Screw
- (86) 1 1/2" Wood Screw

STEP 8

Secure H7 Floor Joist to G3 Floor Rails with 2-1/2" Wood Screws.

Now attach SC1 Floor Boards between B4 and B5 Club House Legs. Now attach fifteen (15) M3 Floor Boards and one (1) N2 Floor Board to upper floor with 1-1/2" Wood Screws. **(Note: Space evenly)**



ITEMS NEEDED

- (1) H1 Wall Rail
- (1) H2 Wall Rail
- (2) H9 Front Porch Rafter
- (2) H10 Back Porch Rafter

HARDWARE NEEDED

- (2) H100051 - 5/16" x 3 3/4" Hex Bolt
- (4) H100020 - 5/16" x 4" WH Bolt
- (2) H100012 - 5/16" X 2 WH Bolt
- (8) 5/16" Spike Tee Nut
- (6) H100030 - Lock Washer
- (2) 5/16" Flat Washer
- (2) H1001085/16" Lock Washer

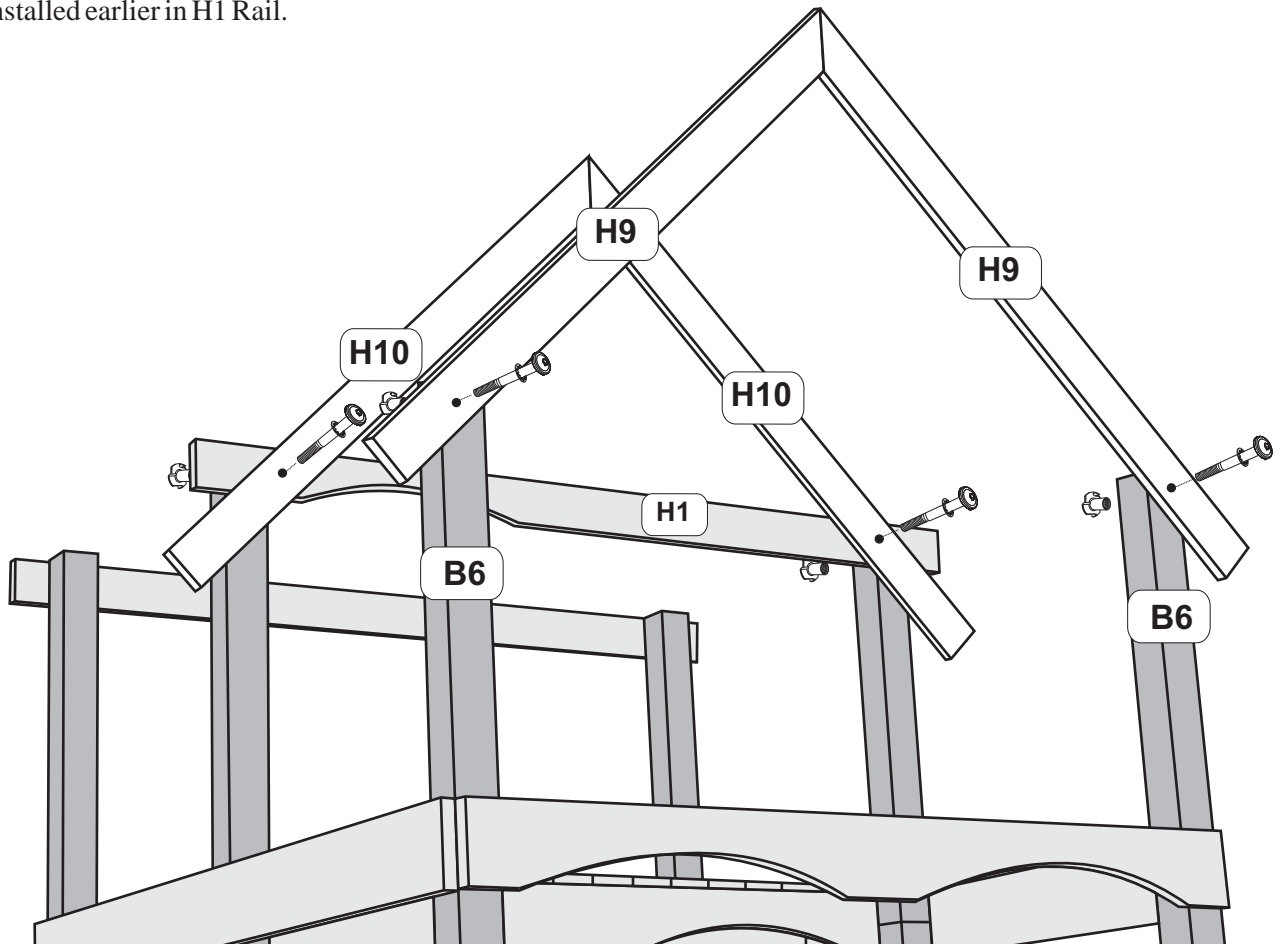
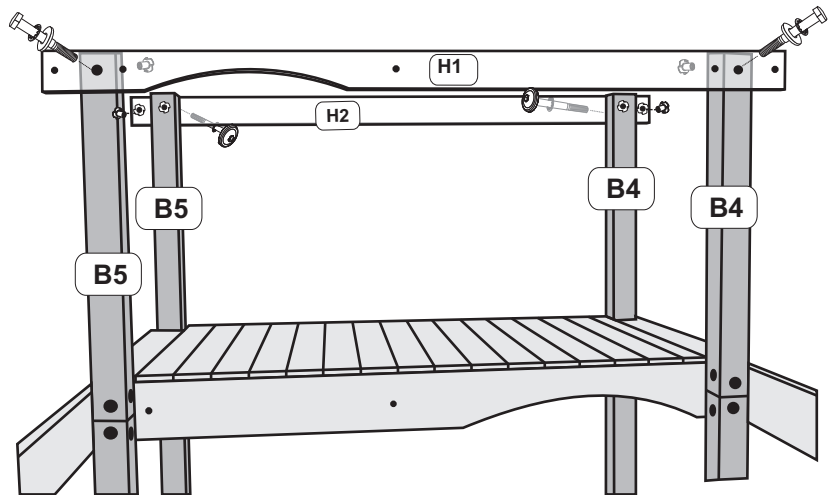
STEP 9

Drive 5/16" Spike T-Nuts into H2 Wall Rail (per diagram) and then attach to B4 and B5 Club House Legs using 5/16" x 4" WH Bolts, Lock Washers and 5/16" Spike T-Nuts.

Drive 5/16" Spike T-Nuts into H1 Wall Rail (per diagram) and attach to B4 and B5 Club House Legs using 5/16" x 3-3/4" Hex Bolts, 5/16" Lock Washers, and 5/16" Flat Washers in countersunk holes of H1 and 5/16" Spike T-Nuts in legs.

Attach H9 Front Porch Rafters to B6 Porch Roof Supports with 5/16" x 4" WH Bolts, Lock Washers and 5/16" Spike T-Nuts.

Attach H10 Back Porch Rafters to H1 Wall Rail using 5/16" x 2" WH Bolts, Lock Washers and 5/16" Spike T-Nuts installed earlier in H1 Rail.



ITEMS NEEDED

- (1) N8 Gable Board
- (1) N3 Gable Board
- (2) N9 Gable Board
- (1) K1 Gable Moon

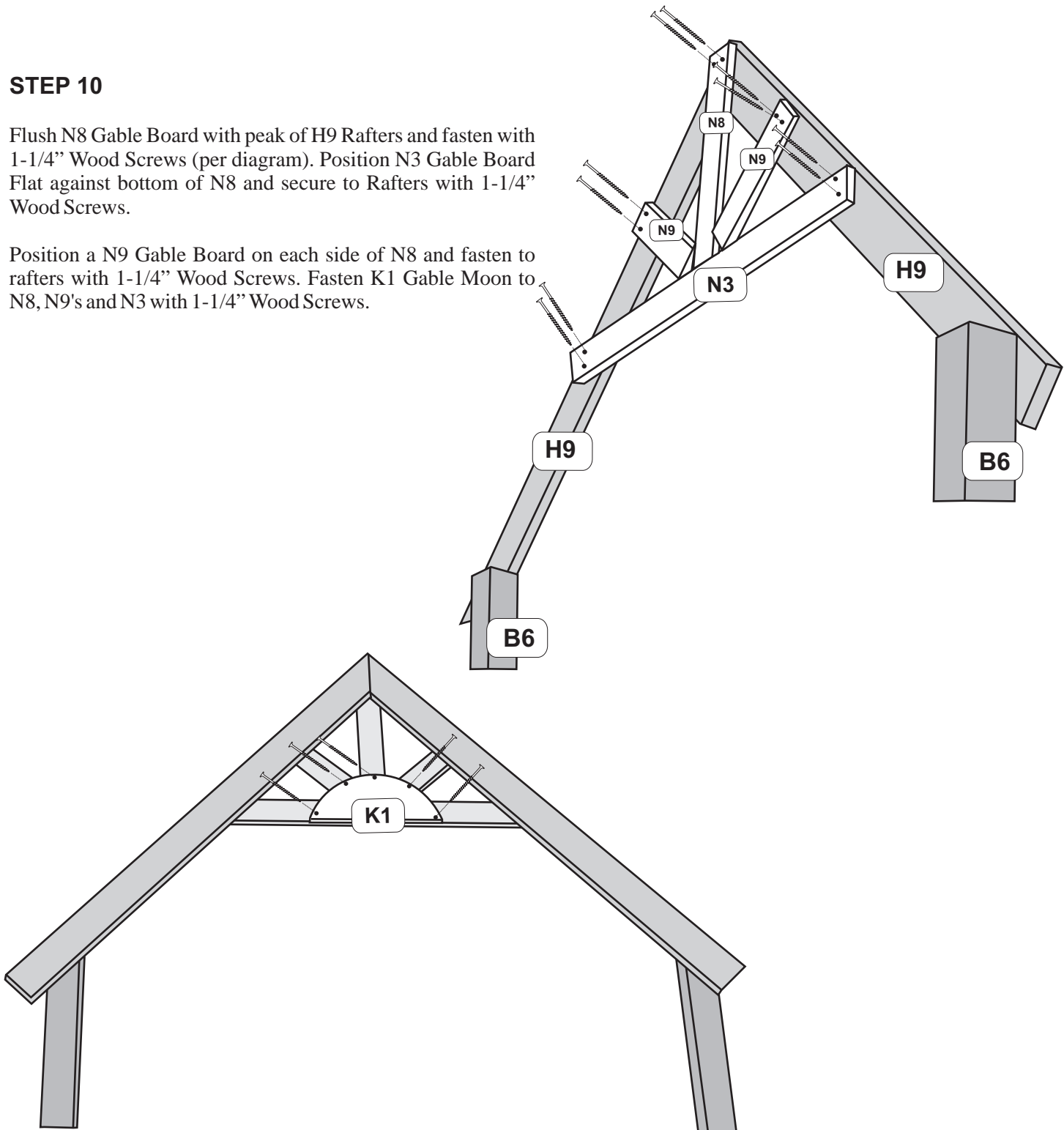
HARDWARE NEEDED

- (15) 1 1/4" Wood Screws

STEP 10

Flush N8 Gable Board with peak of H9 Rafters and fasten with 1-1/4" Wood Screws (per diagram). Position N3 Gable Board Flat against bottom of N8 and secure to Rafters with 1-1/4" Wood Screws.

Position a N9 Gable Board on each side of N8 and fasten to rafters with 1-1/4" Wood Screws. Fasten K1 Gable Moon to N8, N9's and N3 with 1-1/4" Wood Screws.



ITEMS NEEDED

(10) R2L Roof Board
(10) R2R Roof Board
(1) N10 Gable Board

HARDWARE NEEDED

(80) 1 1/2" Wood Screws
(4) 1 1/4" Wood Screws

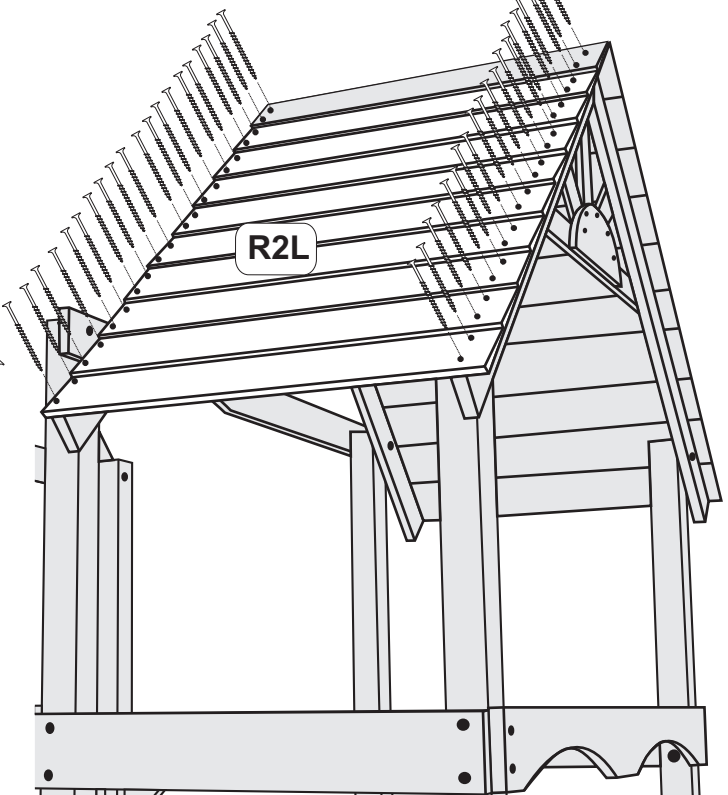
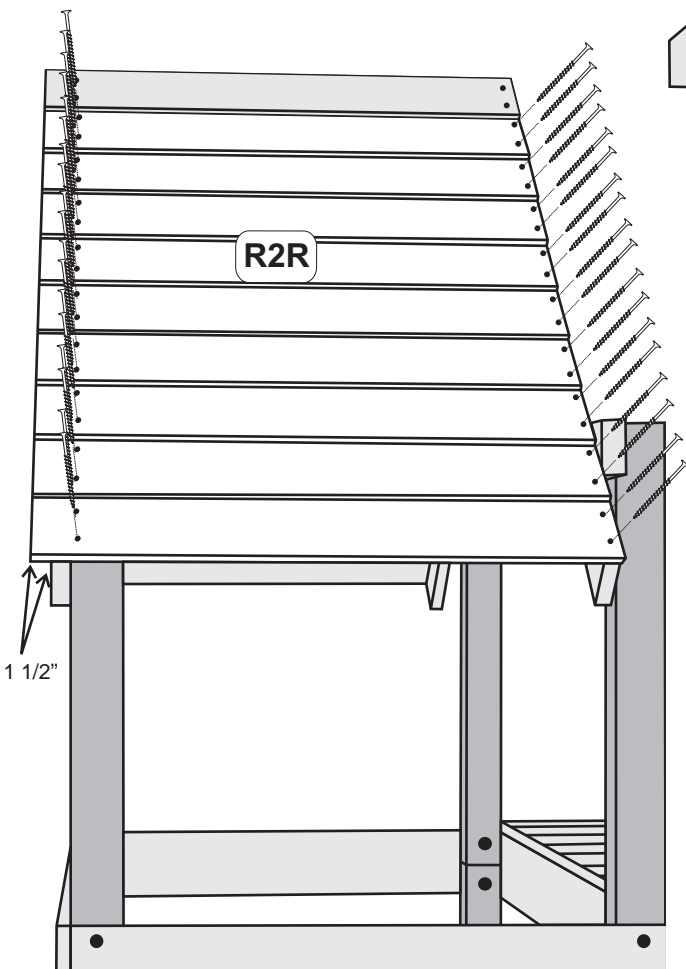
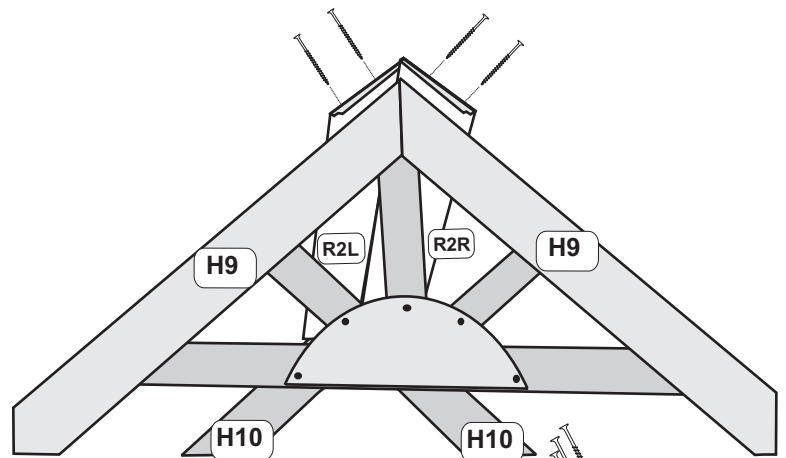
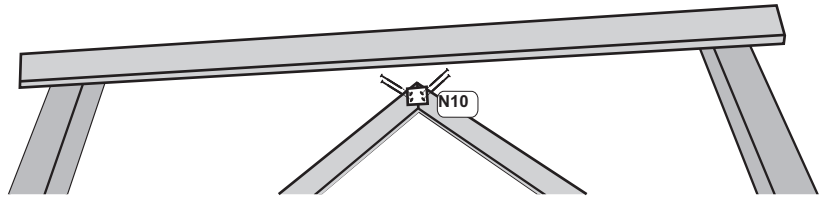
STEP 11

Attach N10 Gable Board to peak of H10 Rafters with 1-1/4" Wood Screws.

Attach R2R Front Right Porch Roof Board flush with H10 Rafter and with a 1-1/2" overhang on H9 front rafter and Flush at Peak using 1-1/2" Wood Screws.

Attach a R2L Front Left Porch Roof Board again flush with H10 and 1-1/2" overhang at H9 Rafter and flush to top of R2R installed previously with 1-1/2" Wood Screws.

Finish attaching nine (9) more roof boards on each side with 1-1/2" Wood Screws.



ITEMS NEEDED

- (4) H8 Club House Rafters
- (1) N10 Gable Board
- (1) N8 Gable Board
- (1) N3 Gable Board
- (2) N9 Gable Board
- (1) K1 Gable Moon

HARDWARE NEEDED

- (4) H100012 - 5/16" x 2" WH Bolt
- (4) 5/16" Spike Tee Nut
- (8) H100030 - Lock Washer
- (19) 1 1/4" Wood Screws
- (4) H100027 - 5/16" x 2" WH Lag Screw

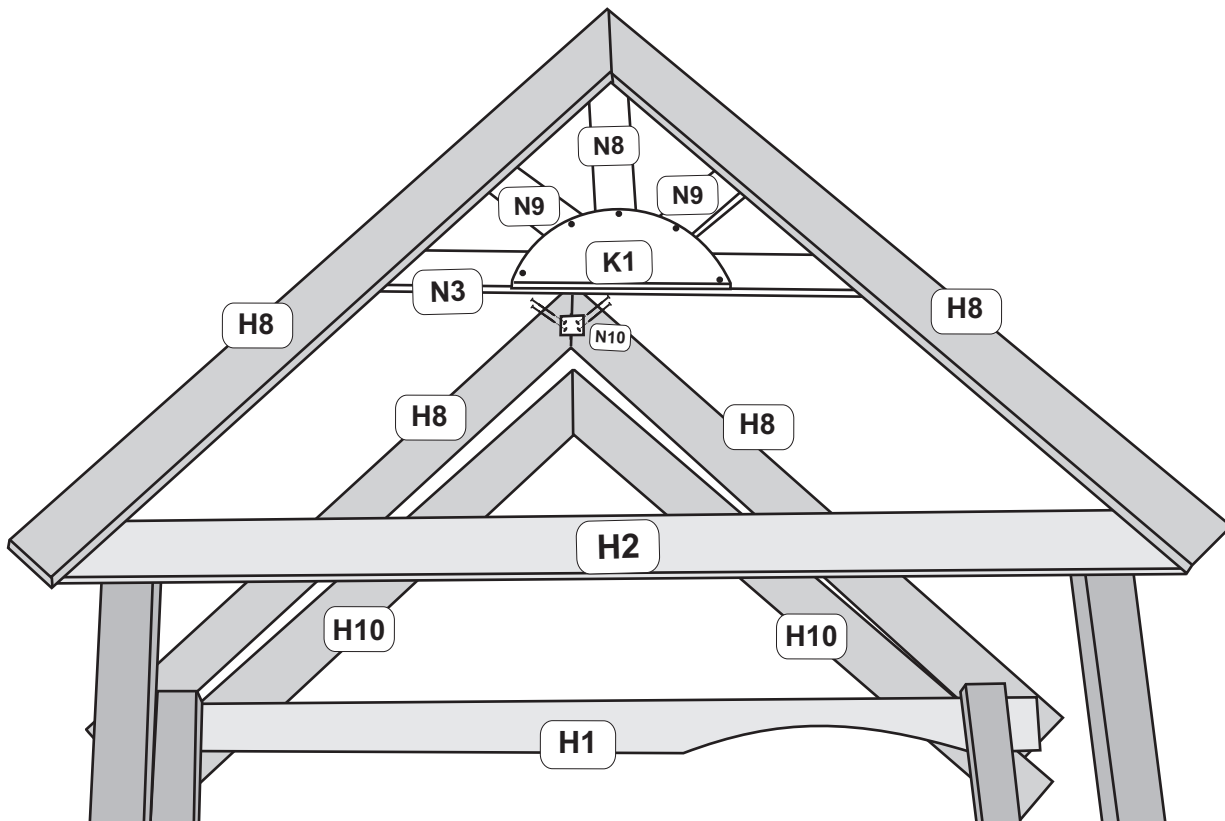
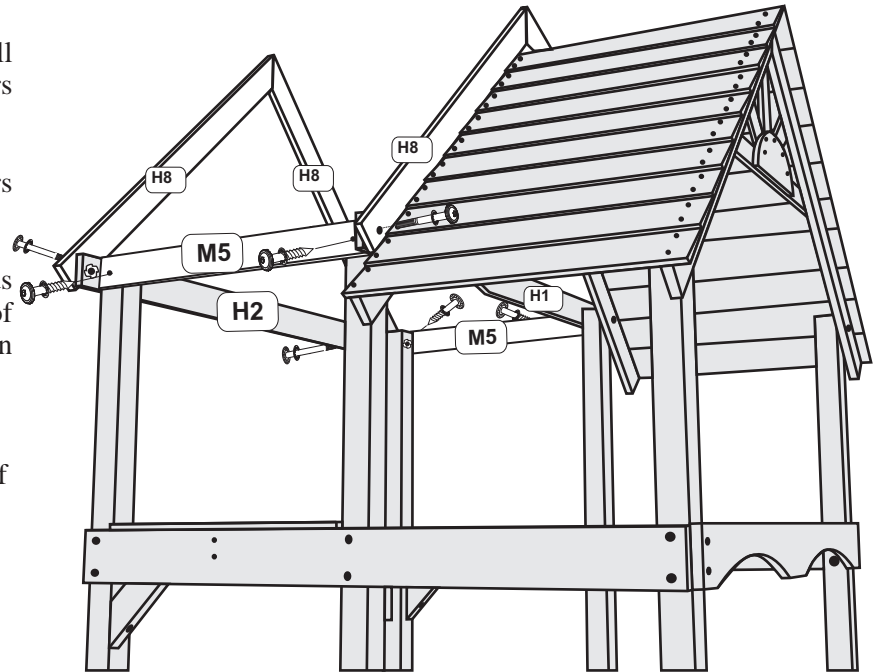
STEP 12

Attach H8 Club House Rafters to H1 and H2 Wall Rails with 5/16" x 2" WH Bolts, and Lock Washers into 5/16" Spike T-Nuts inserted in earlier step.

Attach a N10 Gable Board to peak of H8 Rafters using 1-1/4" Wood Screws.

Now attach N8, N3 and two (2) N9 Gable Boards and K1 Gable Moon to H8 Rafters on back side of structure using 1-1/4" Wood Screws as before on Step #10.

Now, attach a M5 Wall Rail Flush with Top of Clubhouse Legs on both the left and right side of structure with 5/16" x 2" Lag Screws and Lock Washers.



ITEMS NEEDED

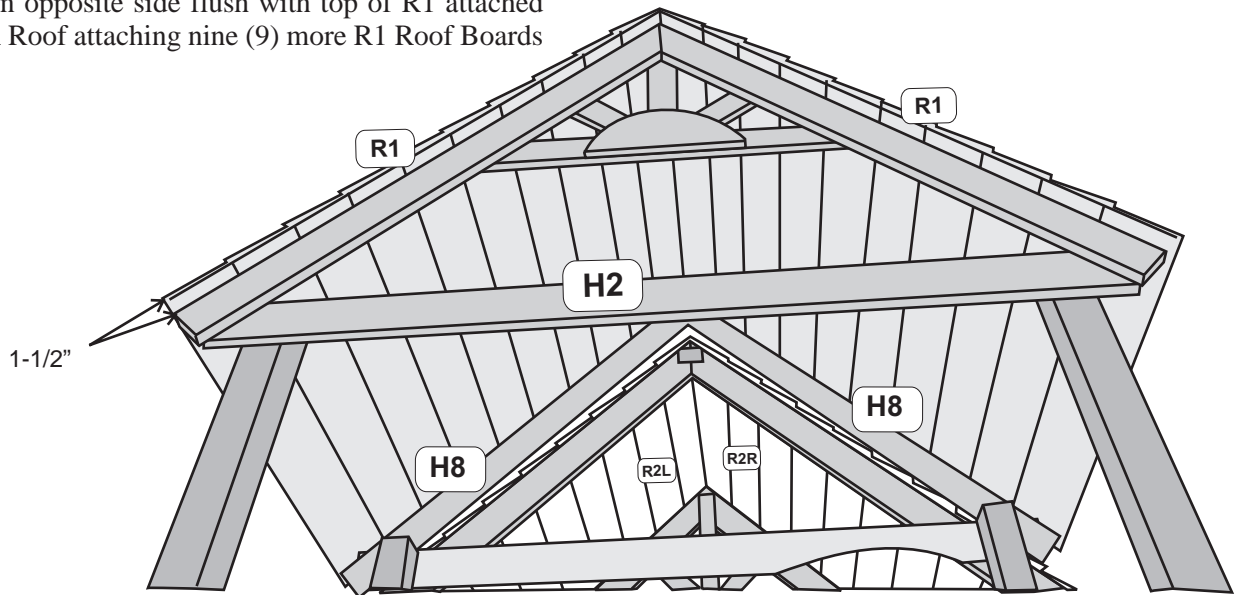
(20) R1 Roof Boards
(4) M5 Wall Rails

HARDWARE NEEDED

(8) H100027 - 5/16" x 2" WH Lag Screws
(8) H100030 - Lock Washer
(80) 1 1/2" Wood Screw

STEP 13

Attach a R1 Roof Board to peak of H8 Rafters with a 1-1/2" overhang on each end with 1-1/2" Wood Screws. Then, attach a R1 Roof Board on opposite side flush with top of R1 attached previously. Finish Roof attaching nine (9) more R1 Roof Boards to each side.

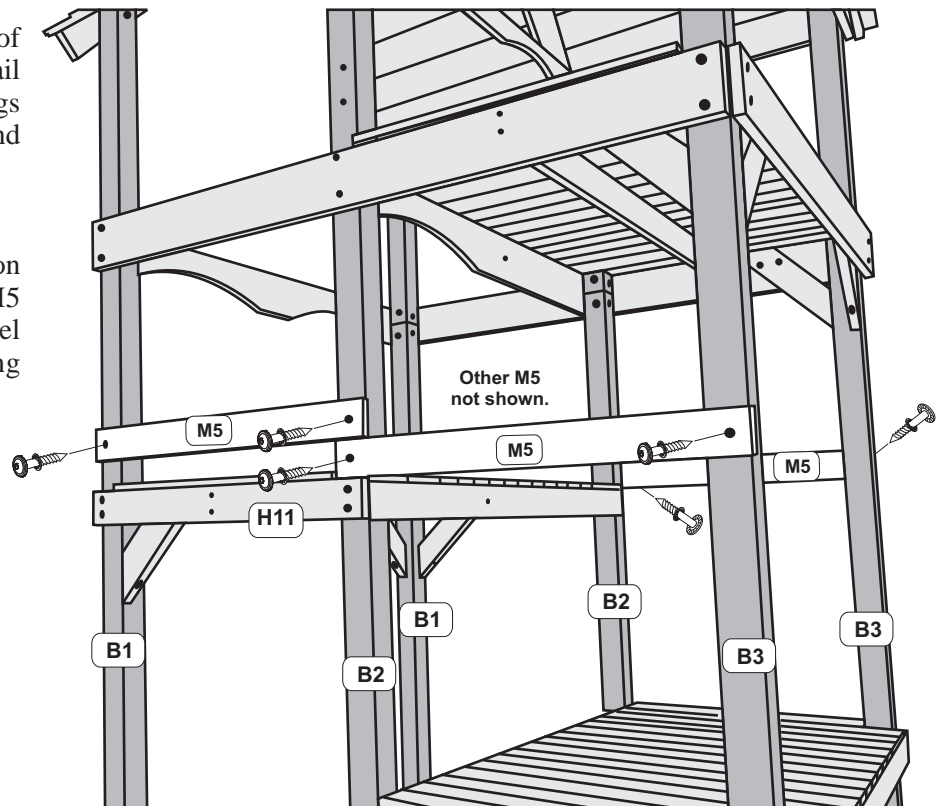


STEP 14

Attach M5 Wall Rails to Left and Right side of structure by setting on Top of H11 Floor Rail and leveling across B2 and B3 Tower Legs and Fasten using 5/16"x 2" Lag Screws and Lock Washers.

(Pilot drill with 3/16" drill bit)

Now attach two (2) more M5 Wall Rails on Left and Right side by setting on top of M5 Wall Rails attached previously and level across B2 and B1 Tower Legs using 5/16"x 2" Lag Screws and Lock Washers.



ITEMS NEEDED

- (1) M7 Wall Rail
- (1) M2 Wall Board
- (1) M1 Wall Rail
- (2) M5 Wall Rail

HARDWARE NEEDED

- (7) H100027 - 5/16" x 2" WH Lag Screw
- (2) Fender Washer
- (7) H100030 - Lock Washer
- (1) 1/4" x 1" Phillips Truss Head Bolt
- (1) 1/4" Phillips Barrel Nut
- (6) 1 1/4" Wood Screws
- (1) H100108 - Lock Washer

STEP 15

Diagram 1

Pilot Drill using 3/16" Drill Bit and attach M7 Wall Rail to B2 Middle Tower Leg flush with M5 (left side) with 5/16" x 2" Lag Screw and Lock Washer.

Attach M2 Wall Board to M7 with 1/4" x 1" Phillips Truss Head Bolt with 5/16" Lock Washer, Fender Washer and 1/4" Barrel Nut.

Diagram 2

Measure up 3" from top of floor and mark B2 Tower Legs and attach M1 Wall Rail to B2 Tower Legs with 5/16" x 2" Lag Screws and Lock Washers.

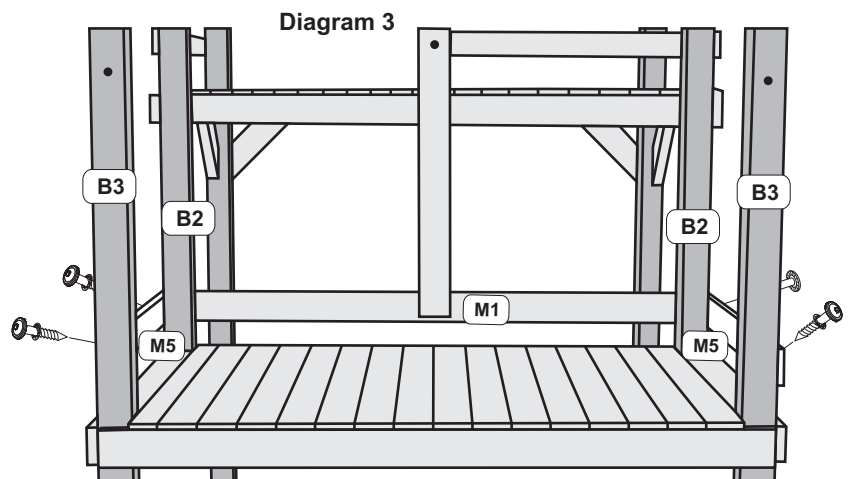
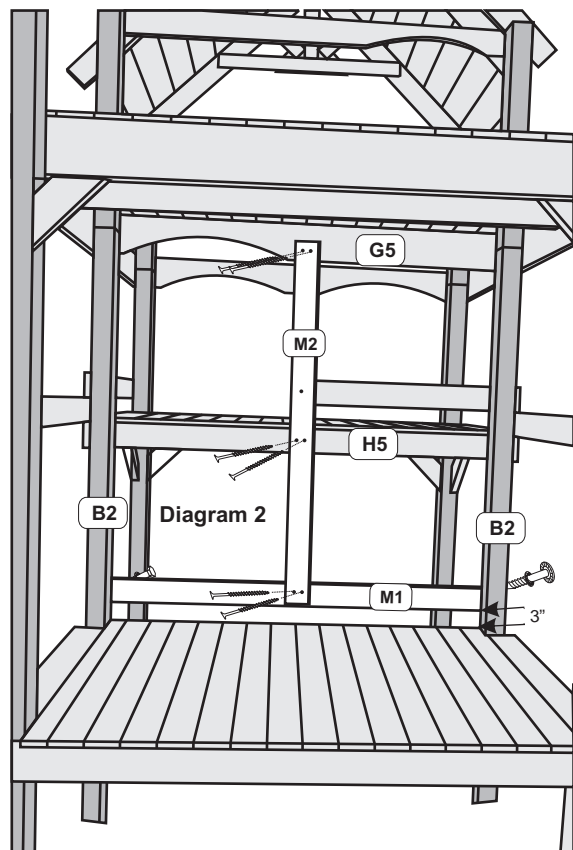
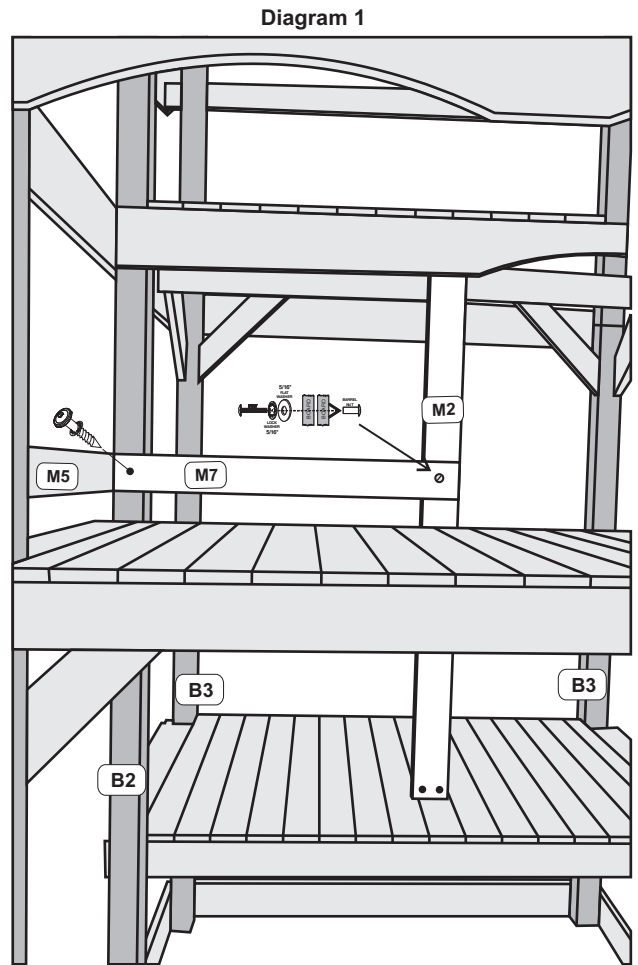
(Pilot drill with 3/16" drill bit)

Now, plumb M2 Wall Board and secure to M1 and G5 with 1-1/4" Wood Screws and to H5 Floor Rail with 1-1/4" Wood Screws.

Diagram 3

Flush a M5 Wall Rail with M1 Wall Rail on both left and right side of structure and secure to B2 and B3 Tower Legs with 5/16" x 2" Lag Screws and Lock Washers.

(Pilot drill with 3/16" drill bit)



ITEMS NEEDED

- (1) H3 Wall Rail
- (1) H13 Wall Rail
- (1) M4 Wall Rail

HARDWARE NEEDED

- (1) Y30-40G L Bracket
- (1) 1/4" x 3/4" Phillips Truss Head Bolt
- (1) 1/4" x 1" Phillips Truss Head Bolt
- (2) 1/4" Phillips Barrel Nut
- (2) H100028 - 5/16" x 2 3/8" WH Lag Screw
- (4) Fender Washer
- (5) H100030 - Lock Washer
- (1) H100012 - 5/16" x 2" WH Bolt
- (1) H100027 - 5/16" x 2" WH Lag Screw
- (1) H100011 - 5/16" x 1 1/2" WH Bolt
- (2) H100108 - 5/16" Lock Washer
- (2) H100074 - 5/16" Spike Tee Nut

STEP 16

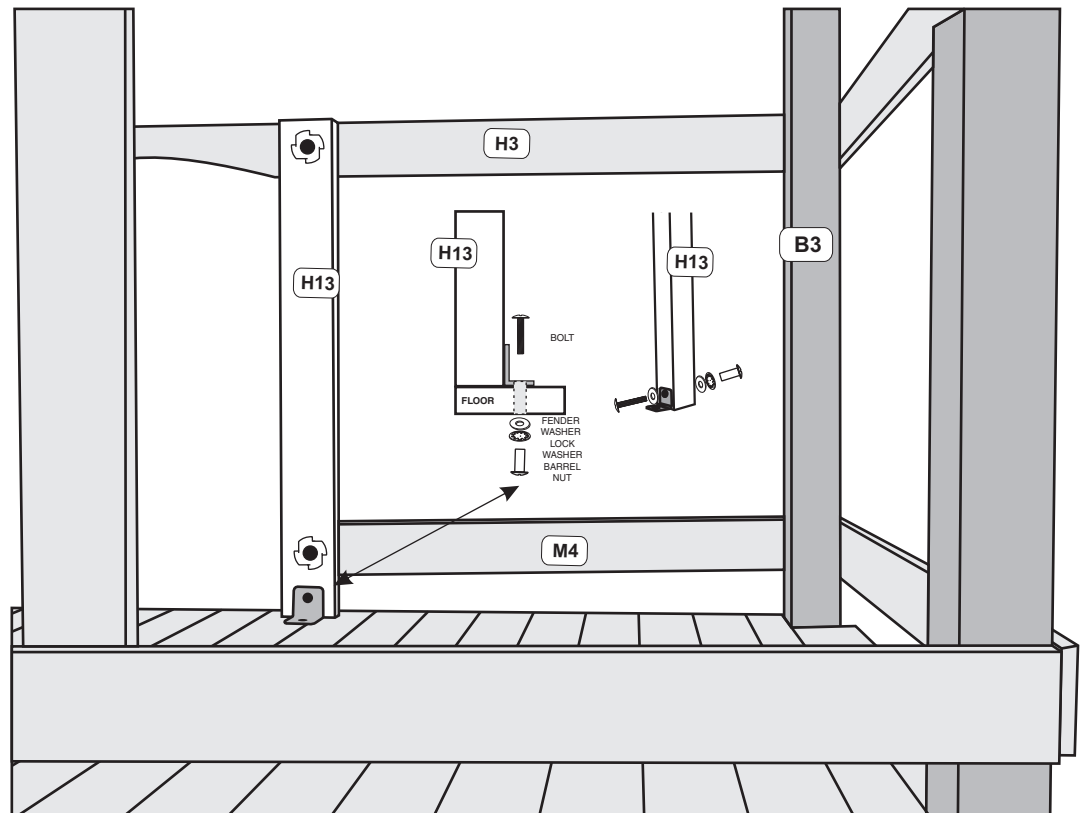
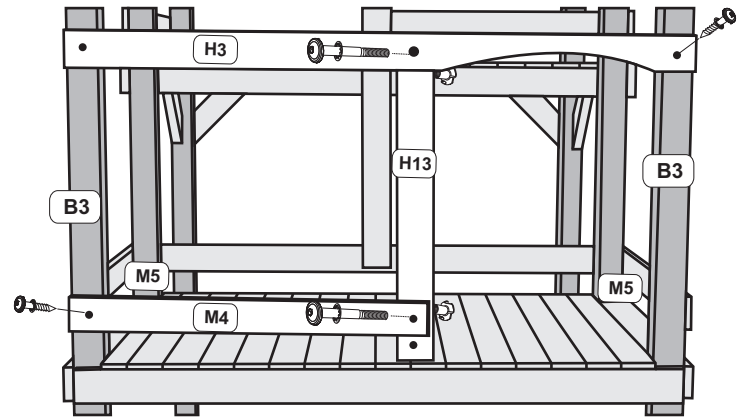
Flush H3 Wall Rail with M5 Wall Rails and attach to B3 Back Tower Legs with 5/16"x 2-3/8" Lag Screws and Lock Washers.

(Pilot drill with 3/16" drill bit note position of arch)

Attach H13 Wall Rail to H3 Wall Rail with 5/16"x 2" WH Bolt, Lock Washers and 5/16" Spike T Nut.

Attach M4 Wall Rail to H13 Wall Rail with 5/16"x 1-1/2" WH Bolt, Lock Washer and 5/16" Spike T-Nut and to B3 Back Tower Leg with 5/16"x 2" Lag Screw and Lock Washer.

Position Y30-40G L Bracket to H13 and use hole in bracket to mark floor. Drill thru floor board with 3/8" drill bit and finish securing H13 Wall Rail with Y30-40G using 1/4"x 1" Phillips Truss Head Bolt, 5/16" Lock Washer, Fender Washer and 1/4" Barrel Nut and to Floor with 3/4" Truss Head Bolt, 5/16" Lock Washer, Fender Washer and 1/4" Barrel Nut.



ITEMS NEEDED

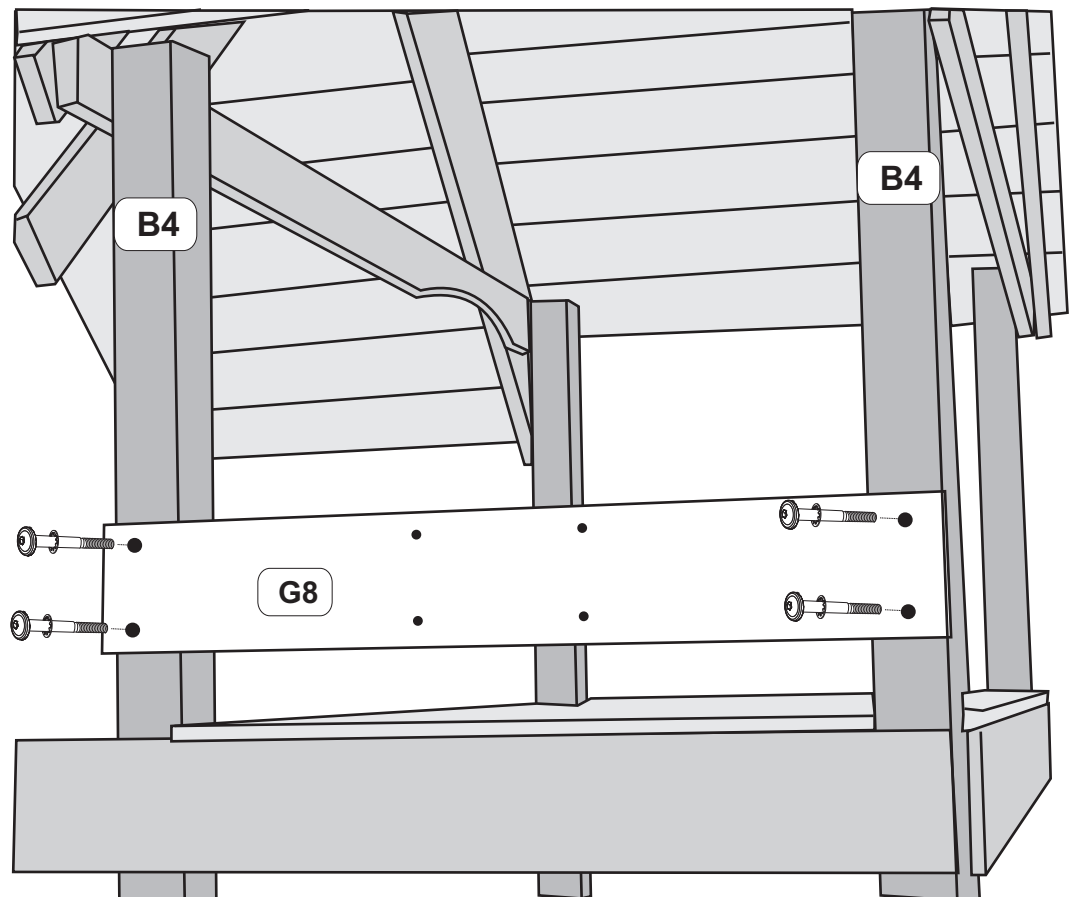
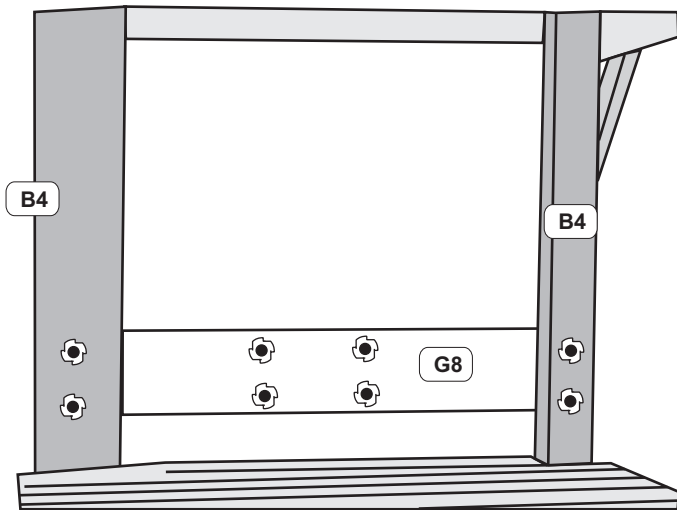
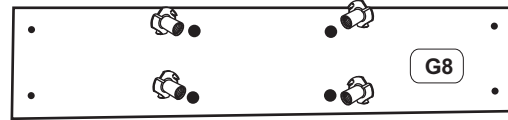
(1) G8 Swing Beam Mount

HARDWARE NEEDED

(8) 5/16" Spike Tee Nut
(4) H100020 - 5/16" x 4" WH Bolt
(4) H100030 - Lock Washer

STEP 17

Begin by inserting four (4) 5/16" Spike T-Nuts into G8 Swing Beam Mount (per diagram). Then attach to B4 Clubhouse Legs on right side of structure with 5/16"x 4" WH Bolts, Lock Washers and 5/16" Spike T-Nuts.



ITEMS NEEDED

- (1) M1 Wall Rail
- (3) M5 Wall Rail

HARDWARE NEEDED

- (4) H100027 - 5/16" x 2" WH Lag Screw
- (4) H100030 - Lock Washer

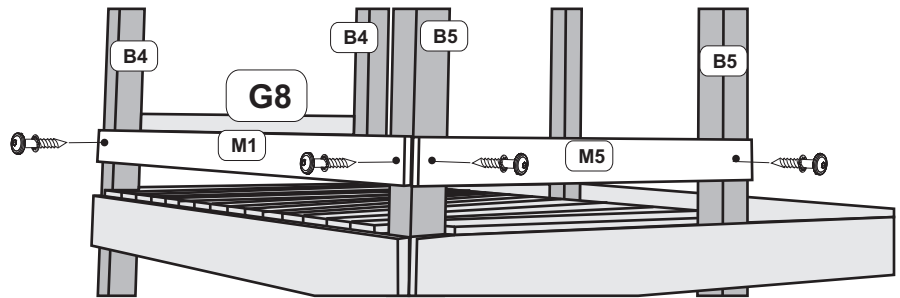
STEP 18

(Pilot drill with 3/16" drill bit when using Lag Screws)

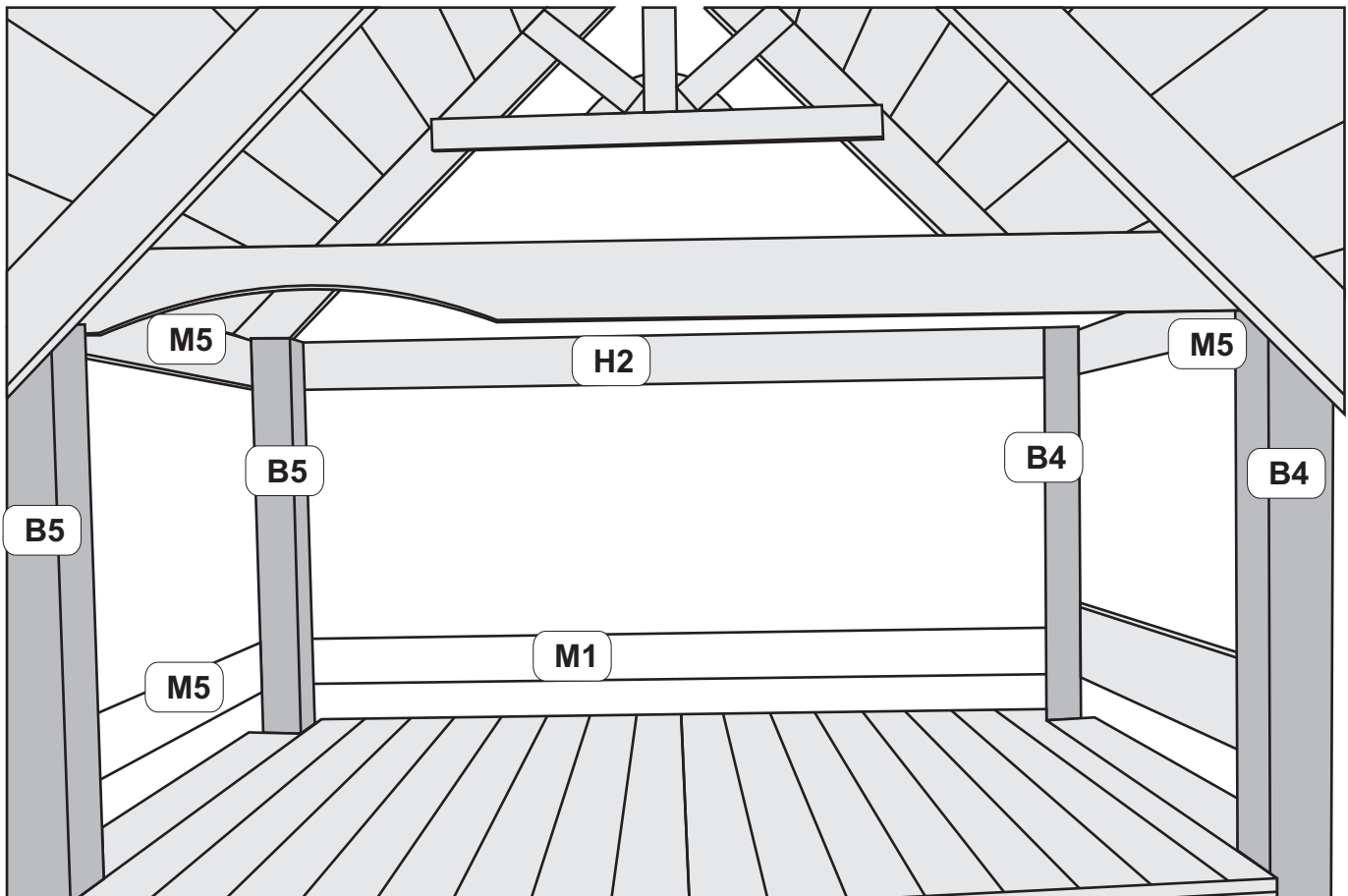
Attach M1 Wall Rail to B4 and B5 Club House Legs with 5/16"x 2" WH Lag Screws, Lock Washers flush with bottom of G8.

Now attach M5 Wall Rail to B5 Clubhouse Legs on left side of Structure using 5/16"x 2" Lag Screws, and Lock Washers.

Now, attach a M5 Wall Rail Flush with Top of Clubhouse Legs on both the left and right side of structure with 5/16"x 2" Lag Screws and Lock Washers.



Top Floor



ITEMS NEEDED

- (1) H14 Top Wall Rail
- (1) M5 Wall Rail

HARDWARE NEEDED

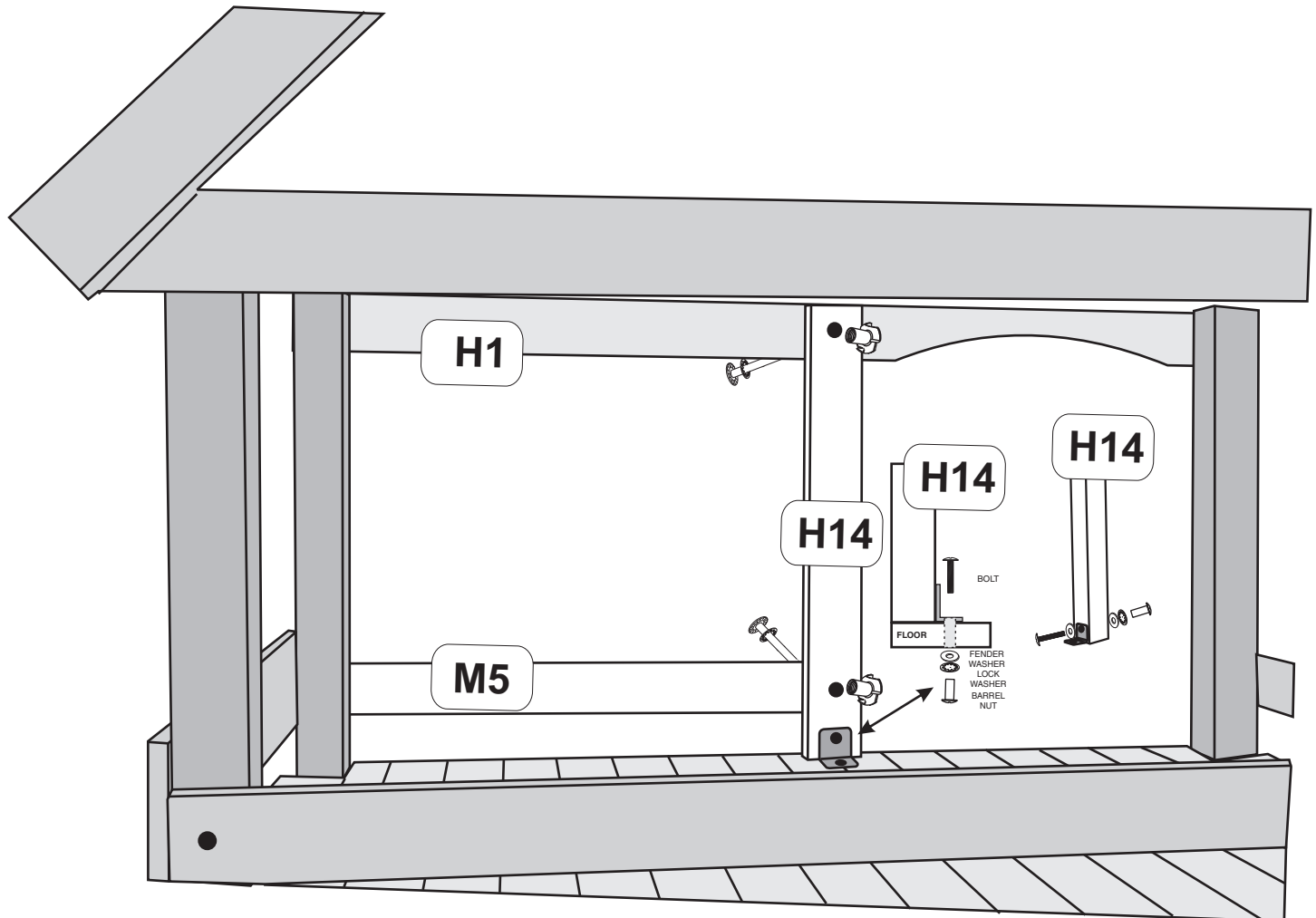
- (1) Y30-40G L Bracket
- (1) H100012 - 5/16" x 2" WH Bolt
- (1) H100011 - 5/16" x 1 1/2" WH Bolt
- (2) 5/16 Spike Tee Nut
- (2) 1/4" Phillips Barrel Nut
- (1) 1/4" x 1" Phillips Truss Head Bolt
- (1) 1/4" x 3/4" Phillips Truss Head Bolt
- (1) H100027 - 5/16" x 2" WH Lag Screw
- (4) Fender Washer
- (3) H100030 - Lock Washer
- (2) H100108 - Lock Washer

STEP 19

Attach H14 Top Wall Rail to H1 Wall Rail with 5/16"x 2" WH Bolt, Lock Washer and 5/16" Spike T-Nut and secure with a Y30-40G L-Bracket using 1/4"x 1" Phillips Truss Head Bolt, 5/16" Lock Washer, Fender Washer and 1/4" Barrel Nut and to Floor with a 3/4" Truss Head Bolt, 5/16" Lock Washer, Fender Washer and 1/4" Barrel Nut. **Position L Bracket to H14 and use hole in bracket to mark floor and drill with 3/8" drill bit.**

Attach M5 Wall Rail to H14 using 5/16"x 1-3/4" WH Bolt, Lock Washer and 5/16" Spike T-Nut and to B4 Clubhouse Leg with 5/16"x 2" WH Lag Screw and Lock Washer.

(Pilot drill with 3/16" drill bit)



ITEMS NEEDED

(1) H16 Front Wall Rail

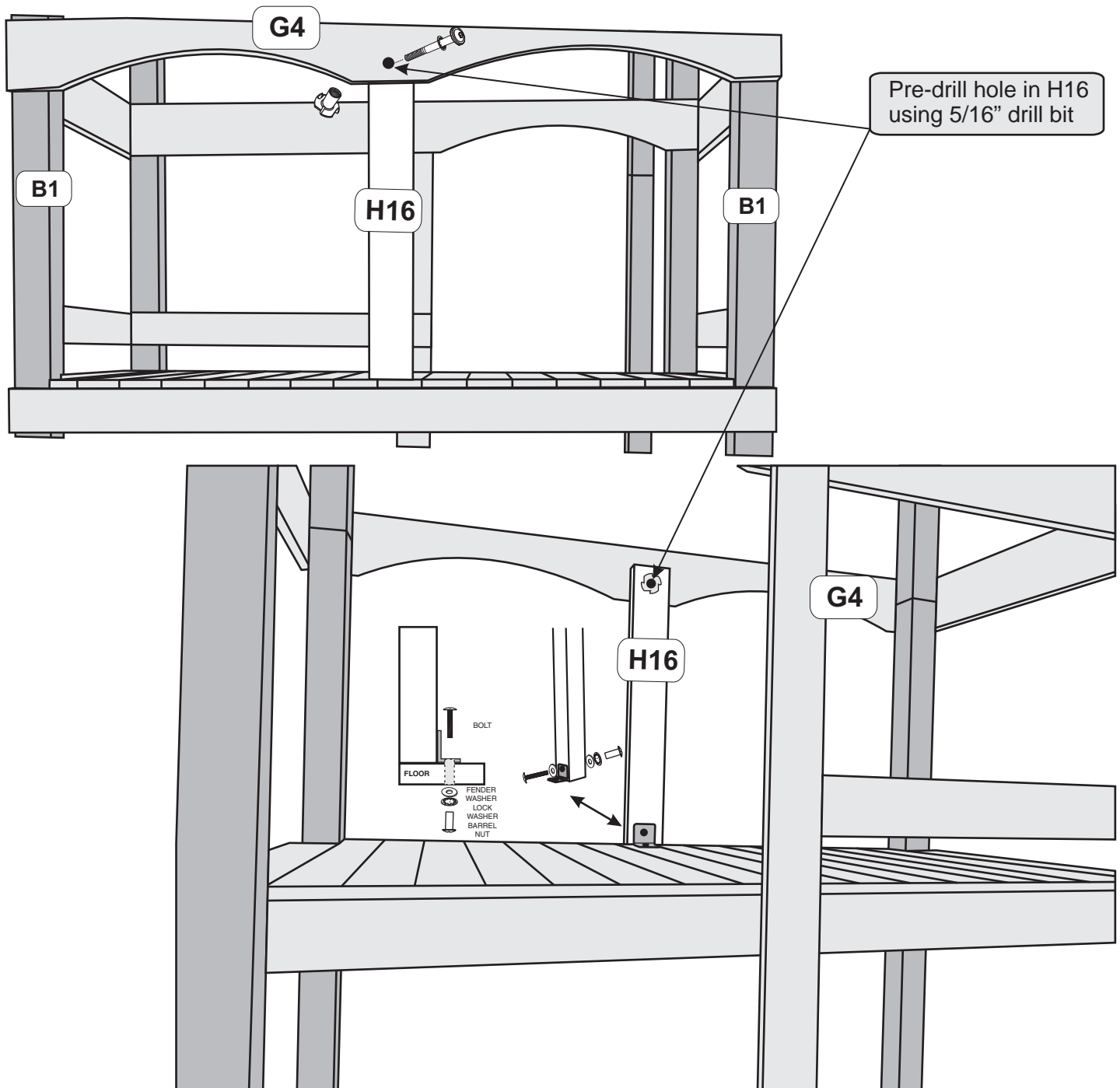
HARDWARE NEEDED

- (1) Y30-40G L Bracket
- (1) H100012 - 5/16" x 2" WH Bolt
- (1) 5/16" Spike Tee Nut
- (2) 1/4" Phillips Barrel Nut
- (1) 1/4" x 1" Phillips Truss Head Bolt
- (1) 1/4" x 3/4" Phillips Truss Head Bolt
- (4) Fender Washer
- (1) H100030 - Lock Washer
- (2) H100108 - Lock Washer

STEP 20

Attach H16 Front Wall Rail to G4 Wall Rail with 5/16"x 2" WH Bolts, Lock Washers and 5/16" Spike T-Nut. Position L Bracket to H16 and mark floor and drill with 3/8" drill bit.

Now, secure H16 to Floor with Y30-40G L-Bracket using 1/4"x 1" Phillips Truss Head Bolt, 5/16" Lock Washer, Fender Washer and 1/4" Barrel Nut and to Floor with 3/4" Truss Head Bolt, 5/16" Lock Washer, Fender Washer and 1/4" Barrel Nut.

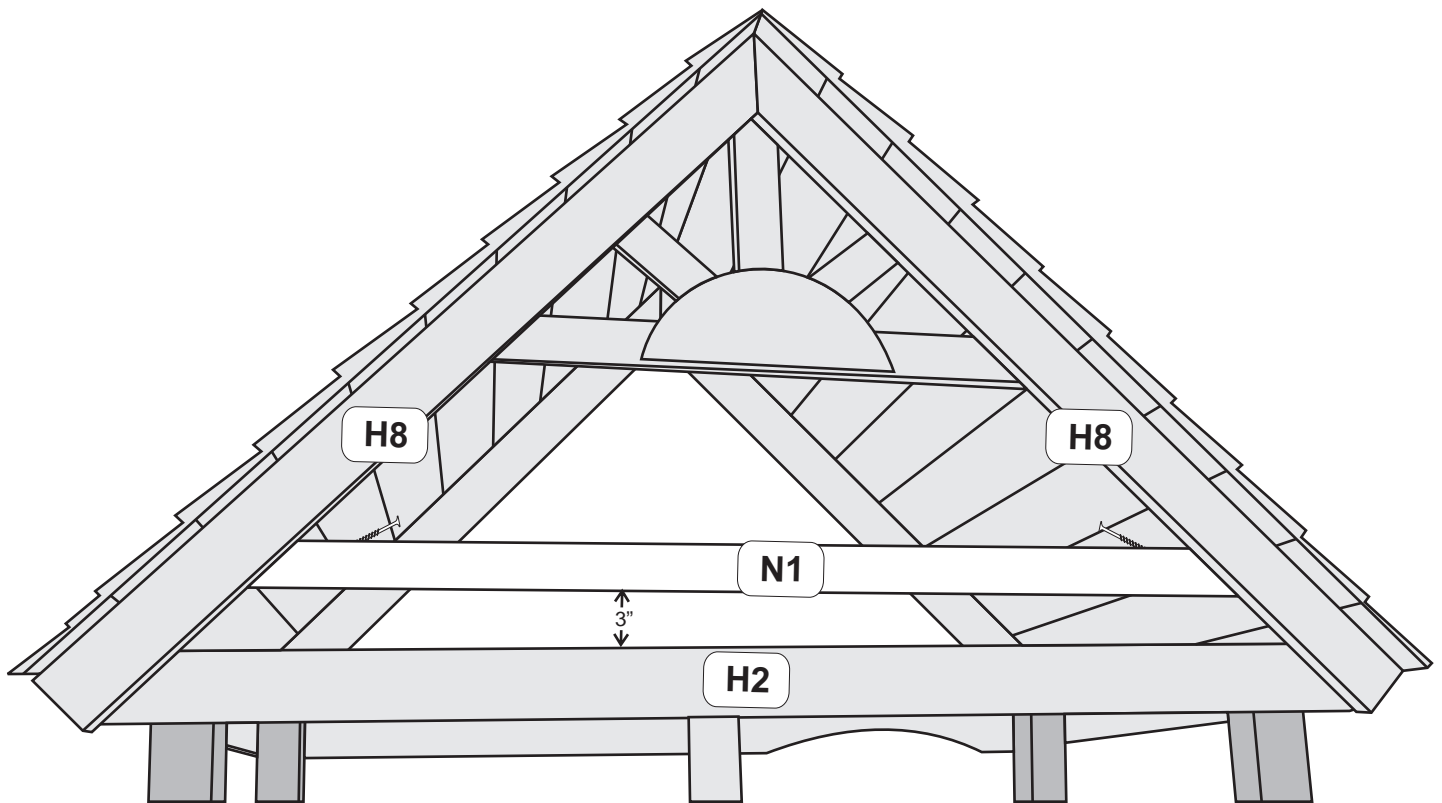


ITEMS NEEDED
(1) N1 Wall Rail

HARDWARE NEEDED
(2) 1 1/4" Wood Screws

STEP 21

Attach N1 Wall Rail to inside H8 Club House Rafter 3" up from H2 Wall Rail with 1-1/4" Wood Screws.



ITEMS NEEDED

- (1) T1 Picnic Table Support
- (1) M5 Wall Rail

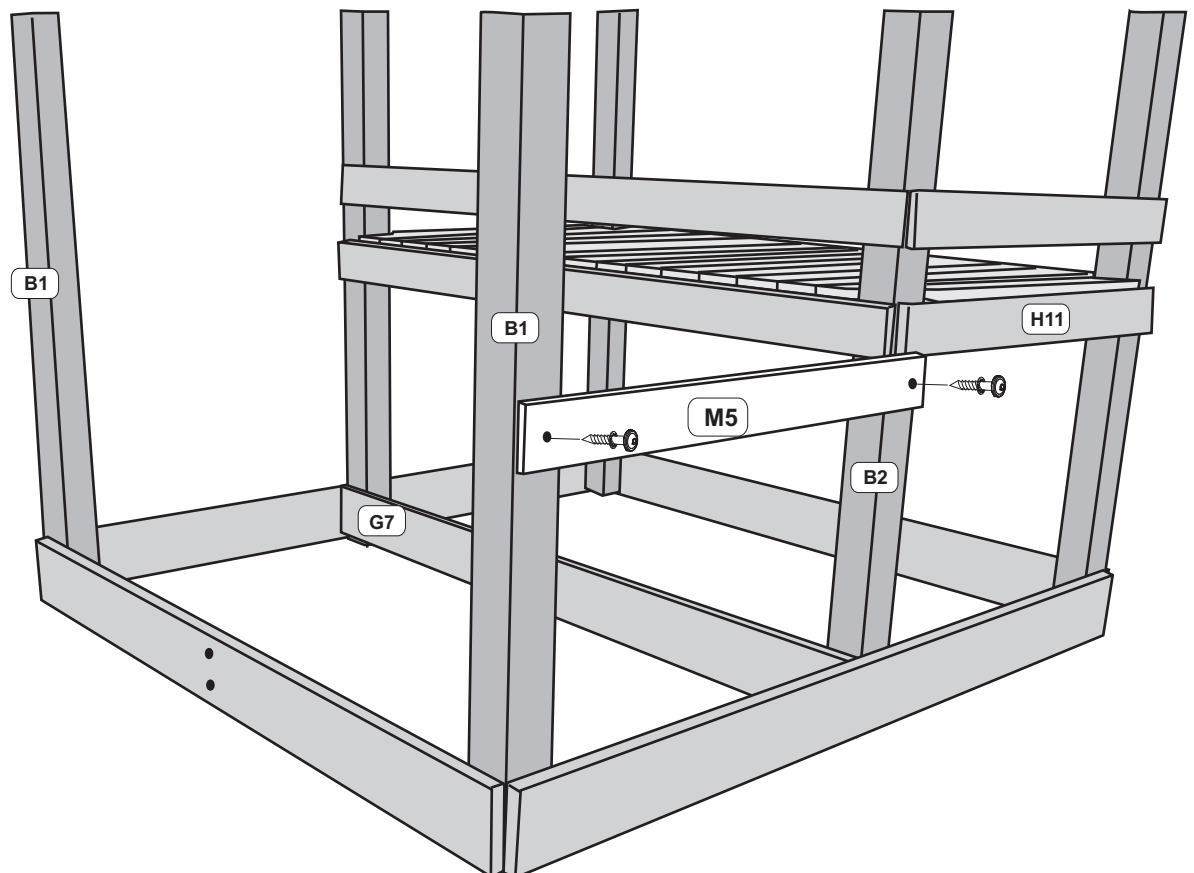
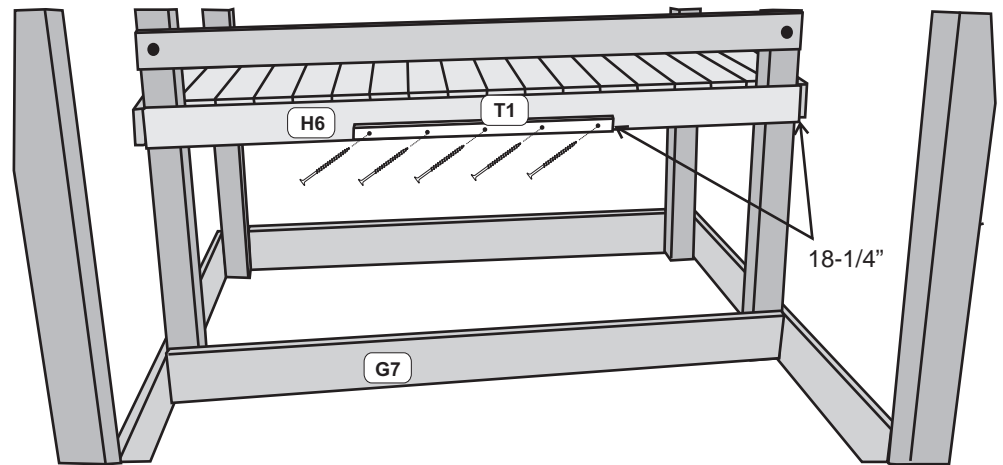
HARDWARE NEEDED

- (5) 1 1/2" Wood Screw
- (2) H100027 - 5/16" x 2" WH Lag Screw
- (2) H100030 - Lock Washer

STEP 22

(Pilot drill with 3/16" drill bit when using Lag Screws)

Attach T1 Picnic Table Support flush with bottom of H6 Floor Rail and 18-1/4" from edge of H6 with 1-1/2" Wood Screws. Attach M5 Wall Rail to B1 and B2 Tower Legs by pushing up against Bottom of H11 Floor Rail with 5/16"x 2" WH Lag Screws and Lock Washers.



ITEMS NEEDED

- (1) H15 Picnic Table Support
- (1) H17 Picnic Table Top Support
- (4) H19 Picnic Table Seat Legs
- (4) H20 Picnic Table Seat Clamps

HARDWARE NEEDED

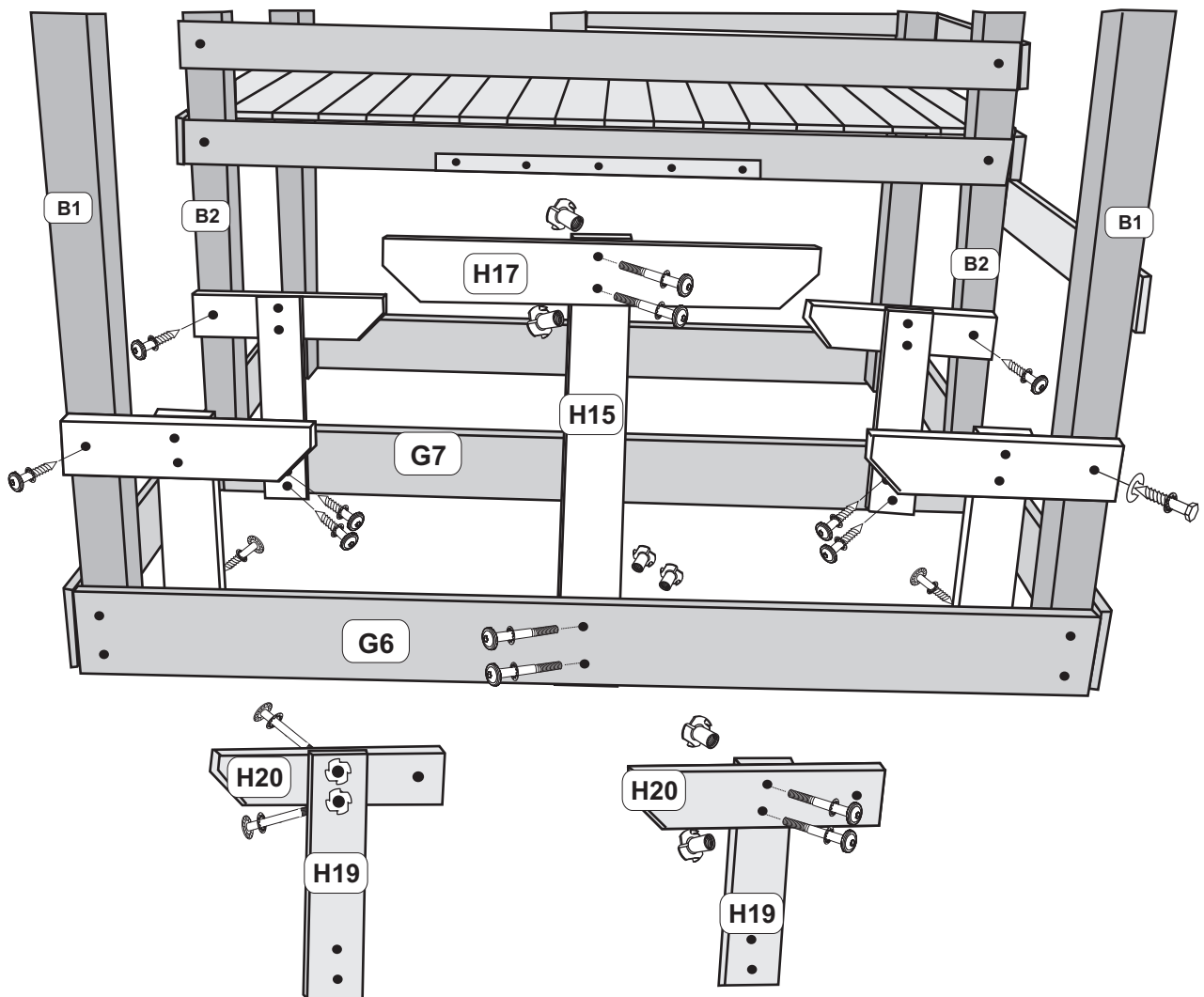
- (12) H100012 - 5/16" x 2" WH Bolt
- (4) H100028 - 5/16" x 2 3/8" WH Lag Screw
- (8) H100026 - 5/16" x 1 1/2" WH Lag Screw
- (12) 5/16" Spike Tee Nut
- (24) H100030 - Lock Washer

STEP 23

Attach H15 Picnic Table Support to G6 Base Board with 5/16" x 2" WH Bolts, Lock Washers and 5/16" Spike T-Nuts. Attach H17 Picnic Table Top Support to H15 with 5/16" x 2" WH Bolts, 5/16" Lock Washers, Fender Washers and 5/16" Spike T-Nuts.

Attach H20 Picnic Table Seat Support to H19 Picnic Table Seat Legs with 5/16" x 2" WH Bolts, Lock Washers and 5/16" Spike T-Nuts. You will make two lefts and two rights (per diagram).

Now, fasten Picnic Table Seat Support assemblies to B1 and B2 Tower Legs using 5/16" x 2-3/8" WH Lag Screws and Lock Washers. Finish attaching Seat Supports to G7 and G6 with 5/16" x 1-1/2" WH Lag Screws and Lock Washers.



ITEMS NEEDED

- (2) H21 Picnic Table Support
- (4) H12 Picnic Table Seats
- (7) M8 Picnic Table Boards
- (1) N6 Picnic Table Support

HARDWARE NEEDED

- (35) 1 1/4" Wood Screws
- (4) 1 1/2" Wood Screws
- (18) 2" Wood Screws

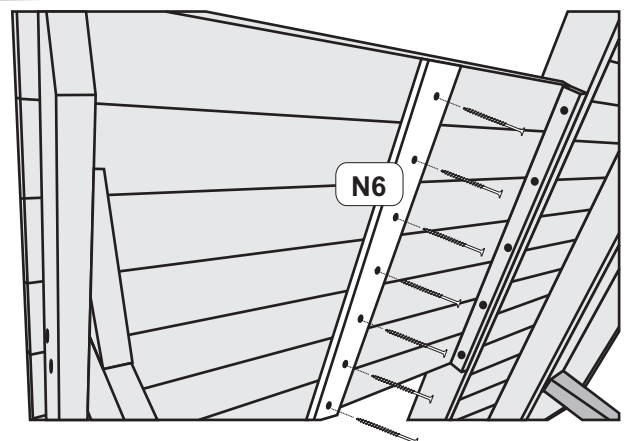
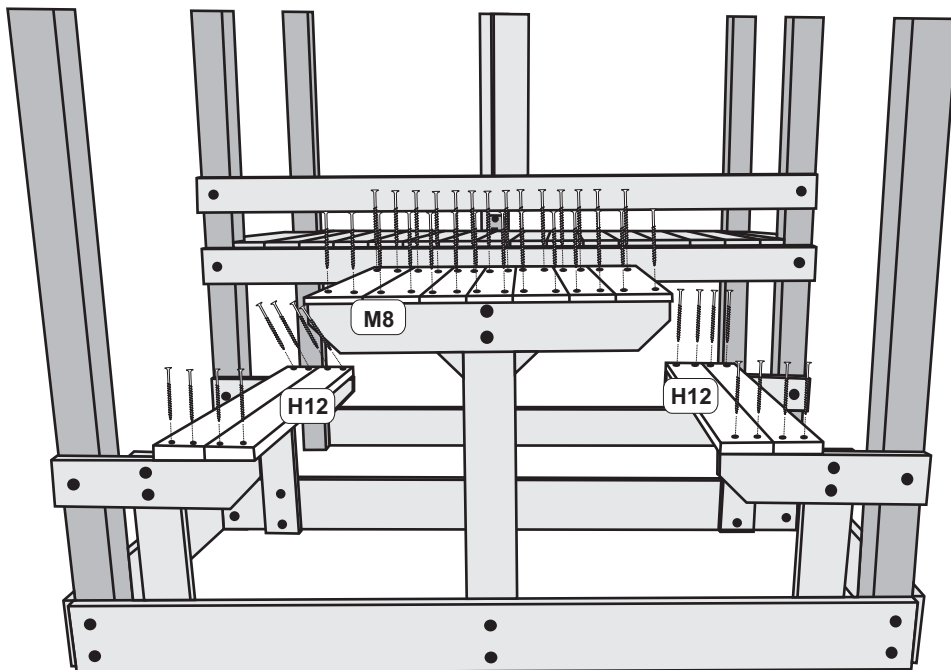
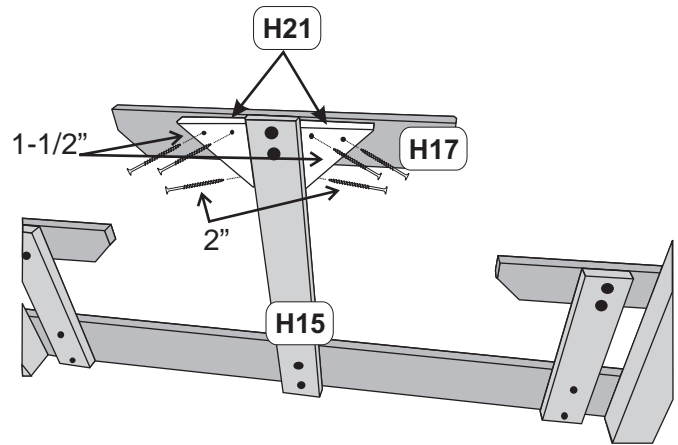
STEP 24

Attach H21 Picnic Table Supports to H15 with 2" Wood Screws and H17 with 1-1/2" Wood Screws.

Attach H12 Picnic Table Seats to Picnic Table Seat Supports with 2" Wood Screws.

Attach seven (7) M8 Picnic Table Boards with 1-1/4" Wood Screws.

Finish Table by Fastening N6 Picnic Table Support under and middle of M8 Picnic Table Boards with 1-1/4" Wood Screws.



ITEMS NEEDED

(12) M9 Wall Boards
(20) M10 Wall Boards

HARDWARE NEEDED

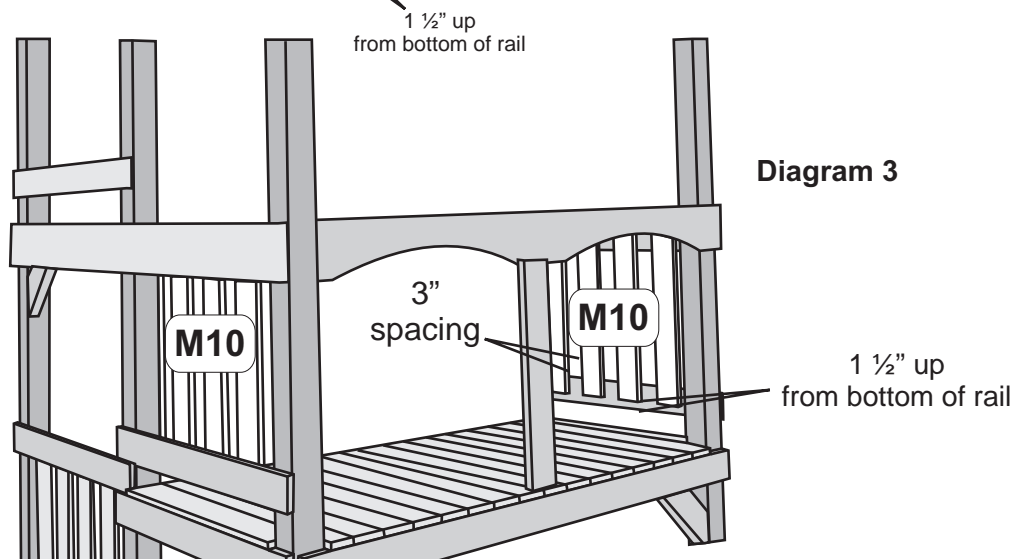
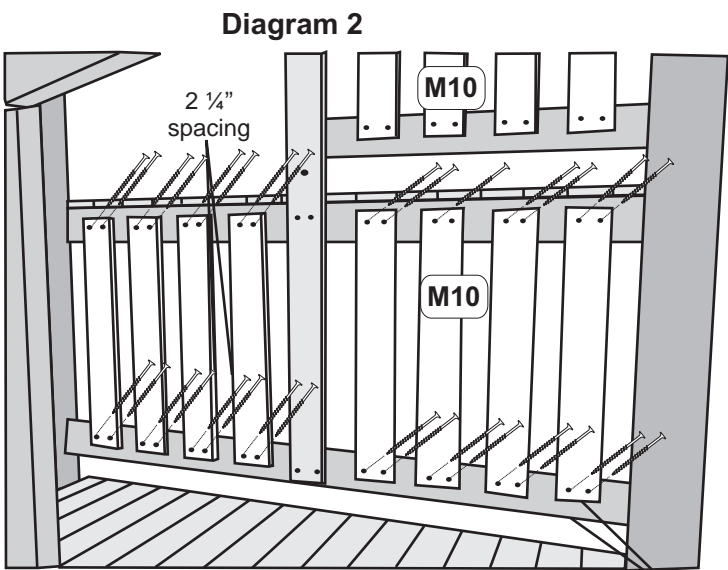
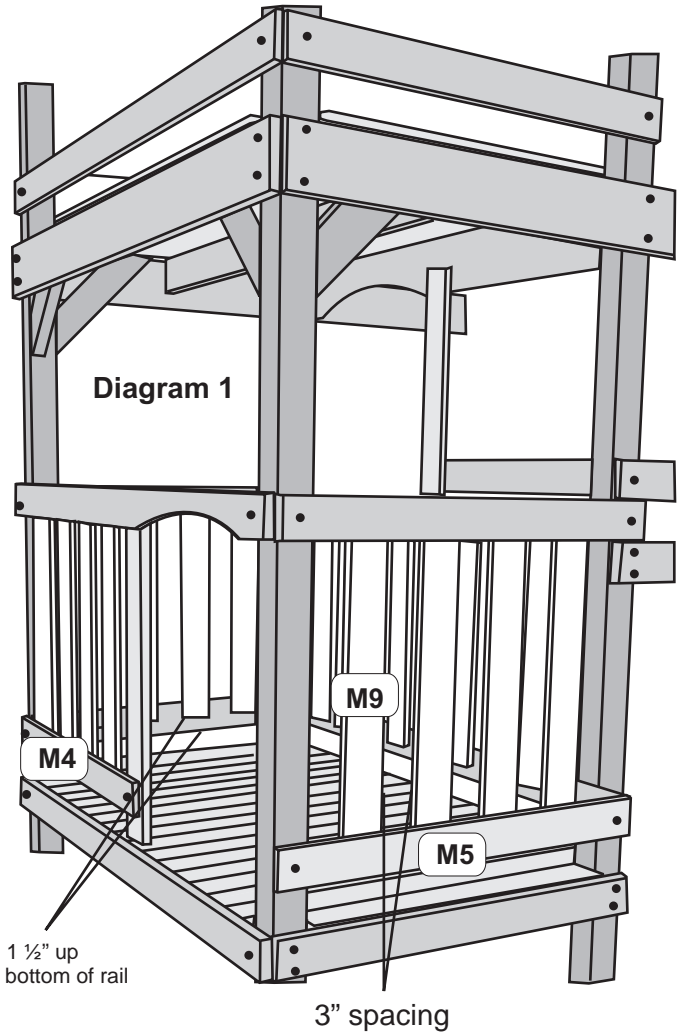
(128) 1 1/4" Wood Screws

STEP 25

Attach M9 Wall Boards to inside of Wall Rails on left, right and Back Walls 3" apart and 1-1/2" up from M5 and M4 Rail with 1-1/4" Wood Screws. **Diagram 1**

Attach M10 Wall Boards to inside Back Wall 1-1/2" up and 2-1/4" apart using 1-1/4" Wood Screws. (Note: Start at Tower Legs and work to middle on Lower and Upper Wall.) **Diagram 2**

Attach M10 Wall Boards to middle Floor Wall Rails 1-1/2" up from Wall Rail and 3" apart using 1-1/4" Wood Screws, to Right and Left Sides. **Diagram 3**



ITEMS NEEDED

- (1) O1 Wall Rail
- (14) O3 Wall Boards

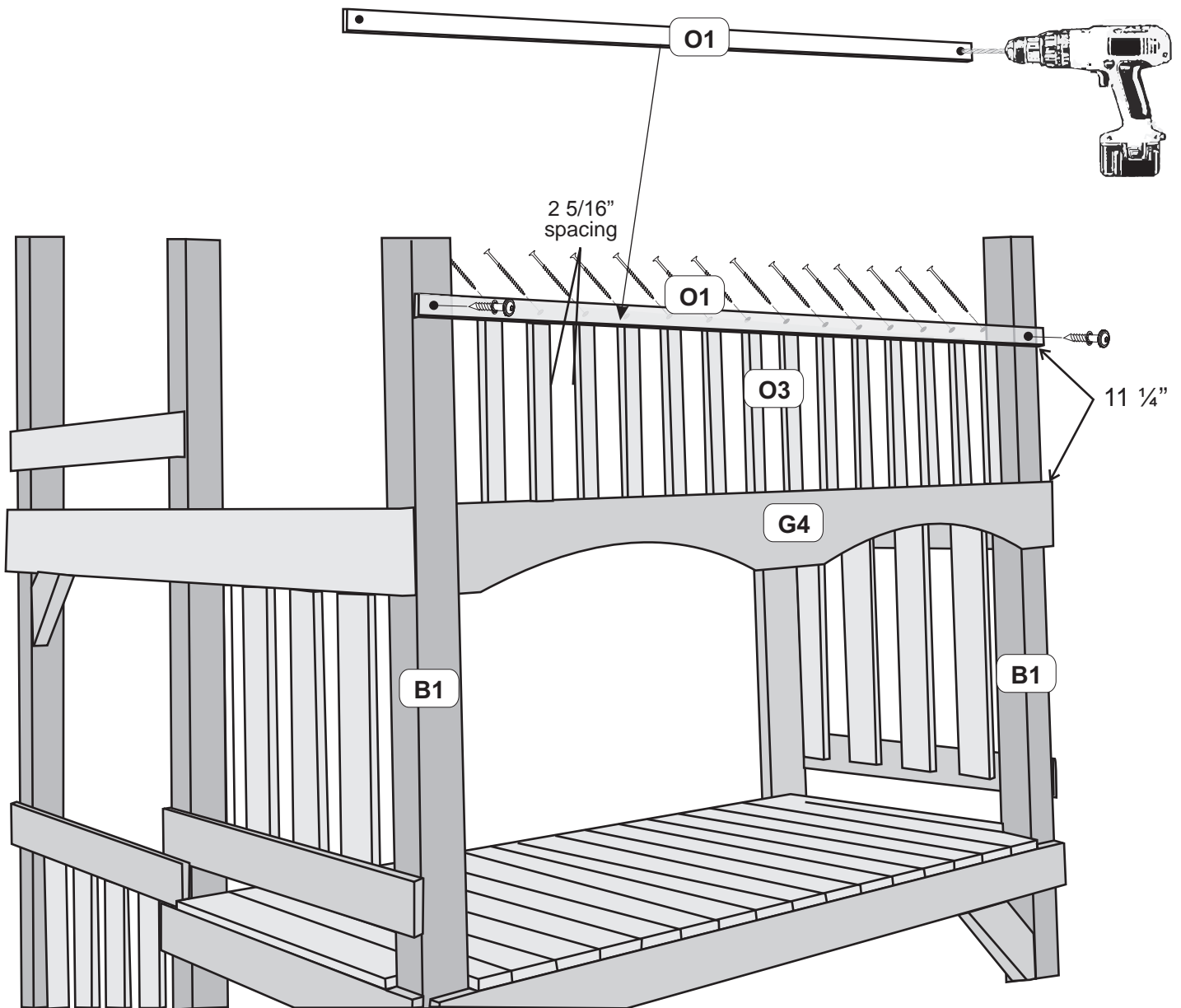
HARDWARE NEEDED

- (28) 1 1/4" Wood Screws
- (2) H100027 - 5/16" X 2" WH Lag Screws
- (2) H100030 - Lock Washer

STEP 26

Using the existing holes in the O1 Wall Rail as a guide, drill the holes using a 3/8" drill bit. Measure Up 11-1/4" from Top of G4 Wall Rail and bottom of O1 Wall, using the holes in the O1 as a guide drill two 3/16" pilot holes into the B1 Tower Legs. Attach the O1 Wall Rail to the B1 Front Tower Legs using 2" WH Lag Screws and Lock Washers.

Now, attach O3 Wall Boards to O1 and G4, spacing them 2-5/16" apart and Flush with top of O1 with 1-1/4" Wood Screws.



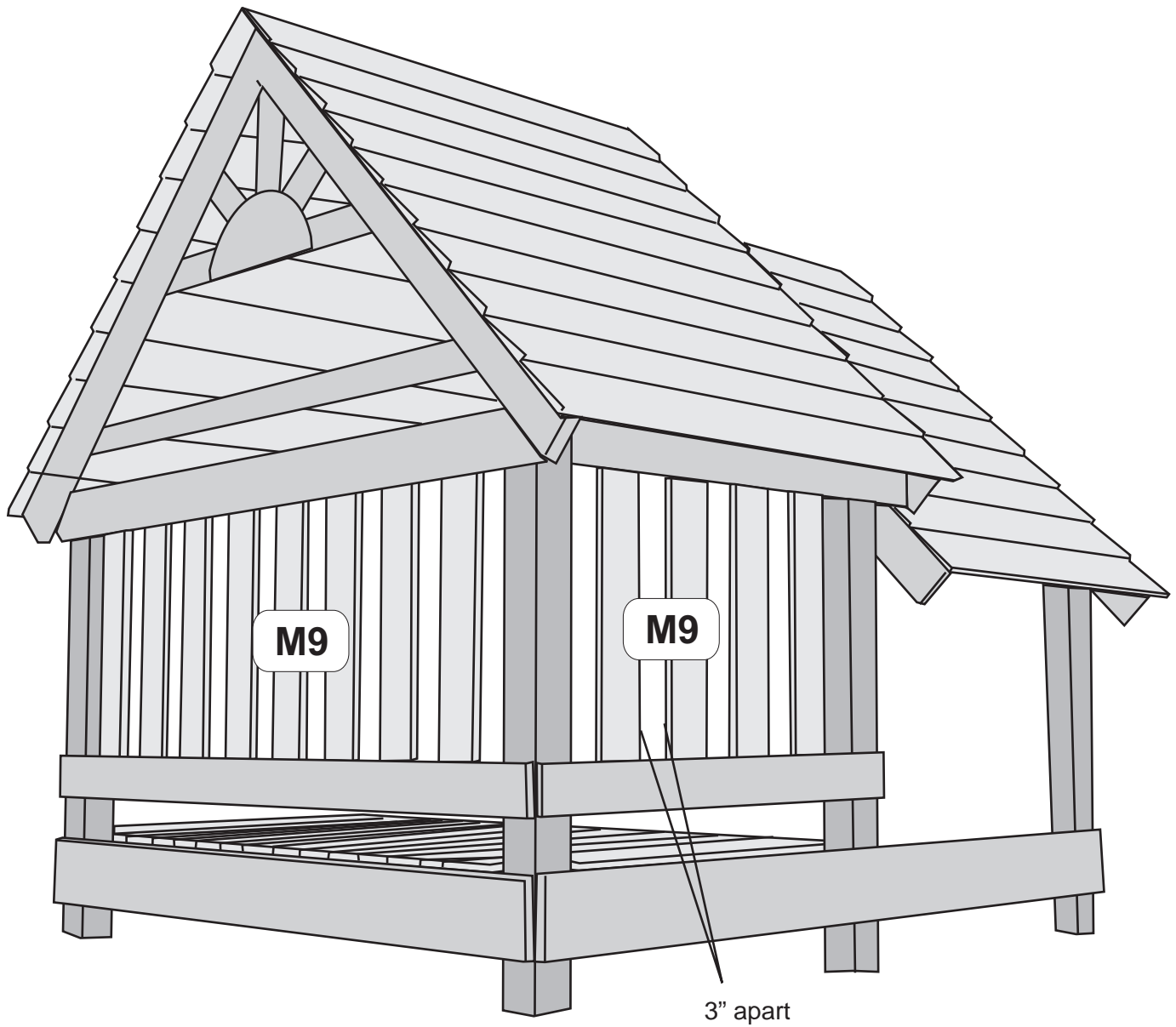
ITEMS NEEDED
(20) M9 Wall Boards

HARDWARE NEEDED
(80) 1 1/4" Wood Screws

STEP 27

Attach four M9 Wall Boards to Wall Rails at Left and Right and eight to Back and four more to inside Back Walls. Flush at Bottom of Rails and 3" apart with 1-1/4" Wood Screws.

Right Side And Inside Back Wall Not Visible



ITEMS NEEDED

- (1) SC2 Rock Wall Board
- (5) L3 Rock Wall Boards
- (1) E3L Rock Wall Rail
- (1) E3R Rock Wall Rail
- (1) O2 Rock Wall Spacer
- (4) L1 Rock Wall Boards
- (4) L2 Rock Wall Boards
- (12) Rocks

HARDWARE NEEDED

- (24) H100105 Fender Washer
- (3) 1 1/4" Wood Screws
- (56) 1 1/2" Wood Screws
- (2) H100027 - 5/16" x2" WH Lag Screws
- (2) H100030 - Lock Washer
- (24) H100108 Lock Washer
- (24) 1/4" Phillips Barrel Nut
- (24) 1/4" x 3/4" Phillips Truss Head Bolt

STEP 28

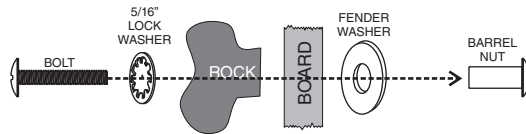
Start Rock Wall by attaching Rocks to L1 Rock Wall Boards and L2 Rock Wall Boards, using 1/4" x 3/4" Phillips Truss Head Bolts, 5/16" Lock Washers, Fender Washers and 1/4" Barrel Nuts. **Diagram 1**

Set E3L Rock Wall Rail and E3R Rock Wall Rail against Tower and from Bottom attach L3, then L1, then L2 and continue to top and fasten using 1-1/2" Wood Screws.

Position Rock Wall to Floor Rail and pilot drill E3L and E3R with 3/16" Bit and attach Rock Wall to Floor Rail using 5/16" x 2" WH Lag Screws and Lock Washers. **Diagram 3**

Attach O2 Rock Wall Spacer between and Flush with top of E3L and E3R using 1-1/4" Wood Screws. Finish Wall with SC2 Rock Wall Board. **Diagram 2**

Diagram 1



Use 1/4" x 3/4" Phillips Truss Head Bolt with 5/16" Lock Washer. Then place Fender Washer on Barrel Nut and attach Rock to each board.

Diagram 3

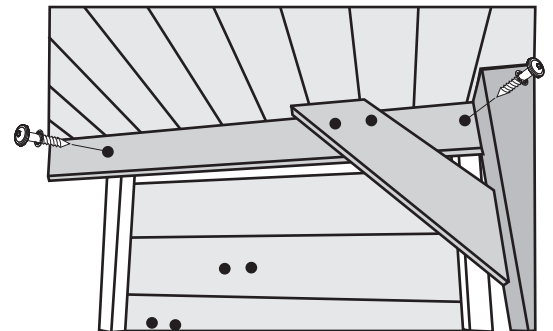
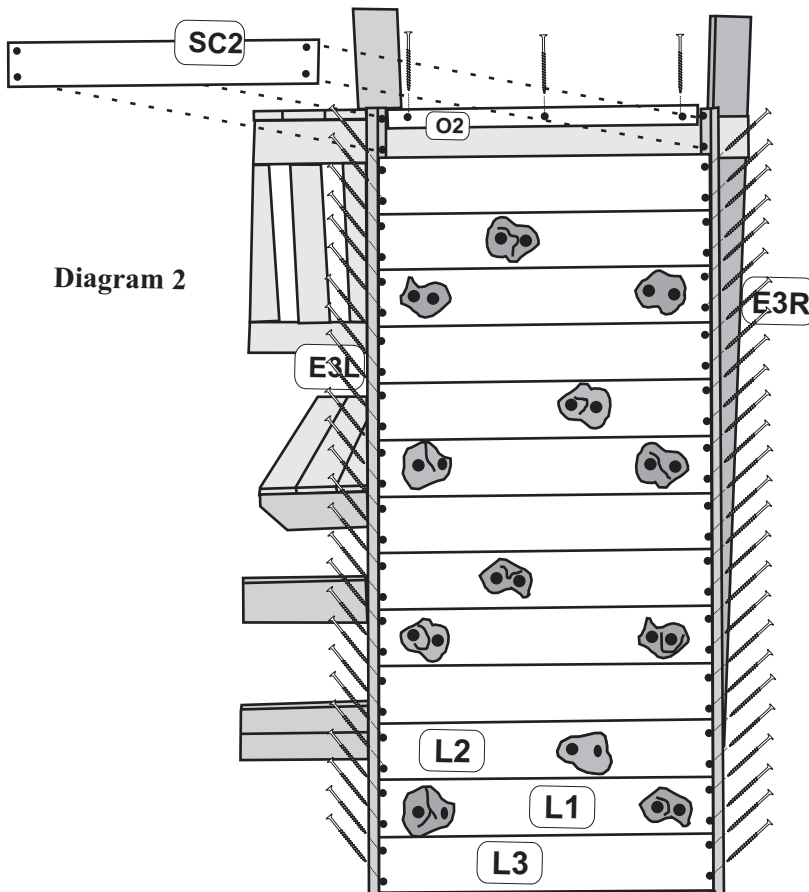


Diagram 2



ITEMS NEEDED

- (1) A1 Swing Beam
- (1) SP1 Beam Support
- (1) E2 Beam End Support
- (2) E1 Angle Braces
- (1) G1 Ground Board

HARDWARE NEEDED

- (2) Glider Supports (Y25G)
- (2) Triangle Braces (A100005)
- (2) L Braces (A100004) Swing Beam Mount
- (4) Swing Hangers (Y40-HD4)
- (6) 5/16" Lock Nuts
- (6) H100020 - 5/16" x 4" WH Bolts

- (8) 3/8" x 5 3/4" Hex Bolts
- (9) 3/8" Flat Washer
- (9) 3/8" Lock Washer
- (9) 3/8" Spike Tee Nut
- (2) H100029 - 5/16" x 3" WH Lag Screw
- (4) H100027 - 5/16" x 2" WH Lag Screw
- (2) H100028 - 5/16" x 2 3/8" WH Lag Screw

- (1) 3/8" x 6 1/2" WH Bolt
- (4) H100022 - 5/16" x 5" WH Bolt
- (4) 5/16" WH Barrel Nut
- (8) H100030 - Lock Washer
- (4) H100031 - Lock Washer
- (6) H100105 - Fender Washer

STEP 29

Attach four (4) Swing Hangers to A1 Swing Beam with 3/8" x 5-3/4" Hex Bolts, 3/8" Lock Washers, 3/8" Flat Washers and 3/8" Spike T-Nuts. Now attach Glider Supports to A1 Swing Beam using 5/16" x 5" WHA Bolts, Fender Washers, Lock Washers and 5/16" WHA Barrel Nuts.

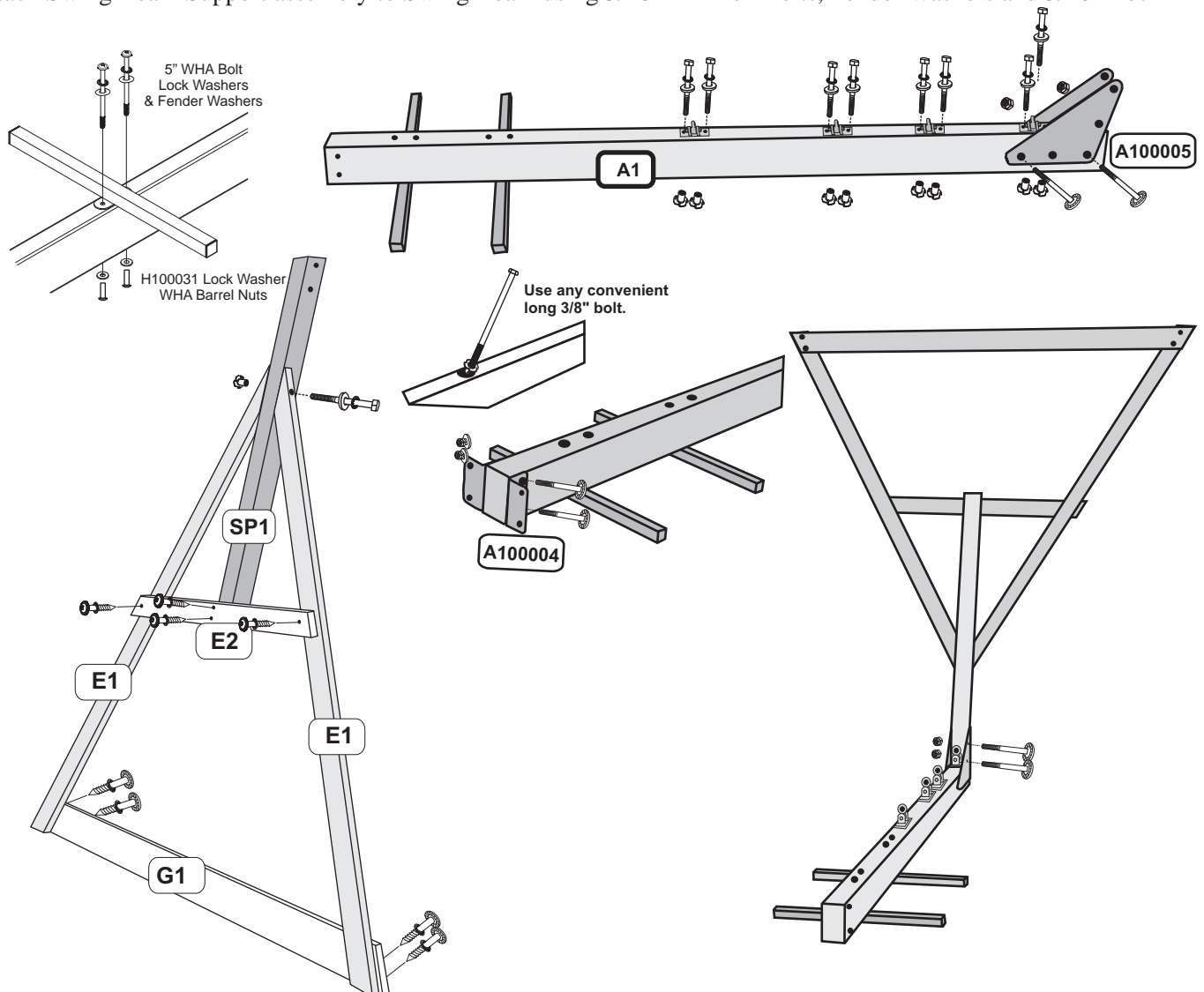
Attach A100004 Swing Beam Bracket to A1 with 5/16" x 4" WH Bolts, Fender Washers and Lock Nuts. Attach A100005 Triangle Brace to A1 using 5/16" x 4" WH Bolts, Fender Washers and 5/16" Lock Nut.

Attach E1 Angle Braces to SP1 Beam Support with 3/8" x 6-1/2" WH Bolt, 3/8" Lock Washer, 3/8" Flat Washer and 3/8" Spike T-Nut. (Note: Refer to Diagram for inserting spike T-Nut into counter-sunk hole).

Attach E2 Beam End Support to SP1 and E1 angle braces using 5/16" x 3" WH Lag Screws and Lock Washers to SP1 and 5/16" x 2-3/8" WH Lag Screws and Lock Washers to E1 Angle Braces.

Attach G1 Ground Board to E1 Angle Braces with 5/16" x 2" WH Lag Screws and Lock Washers.

Now attach Swing Beam Support assembly to Swing Beam using 5/16" x 4" Hex Bolts, Fender Washers and 5/16" Lock Nuts.



ITEMS NEEDED

- (4) Glider Caps X14
- (4) Bushings Y28-G4
- (4) Swing Hangers Z1

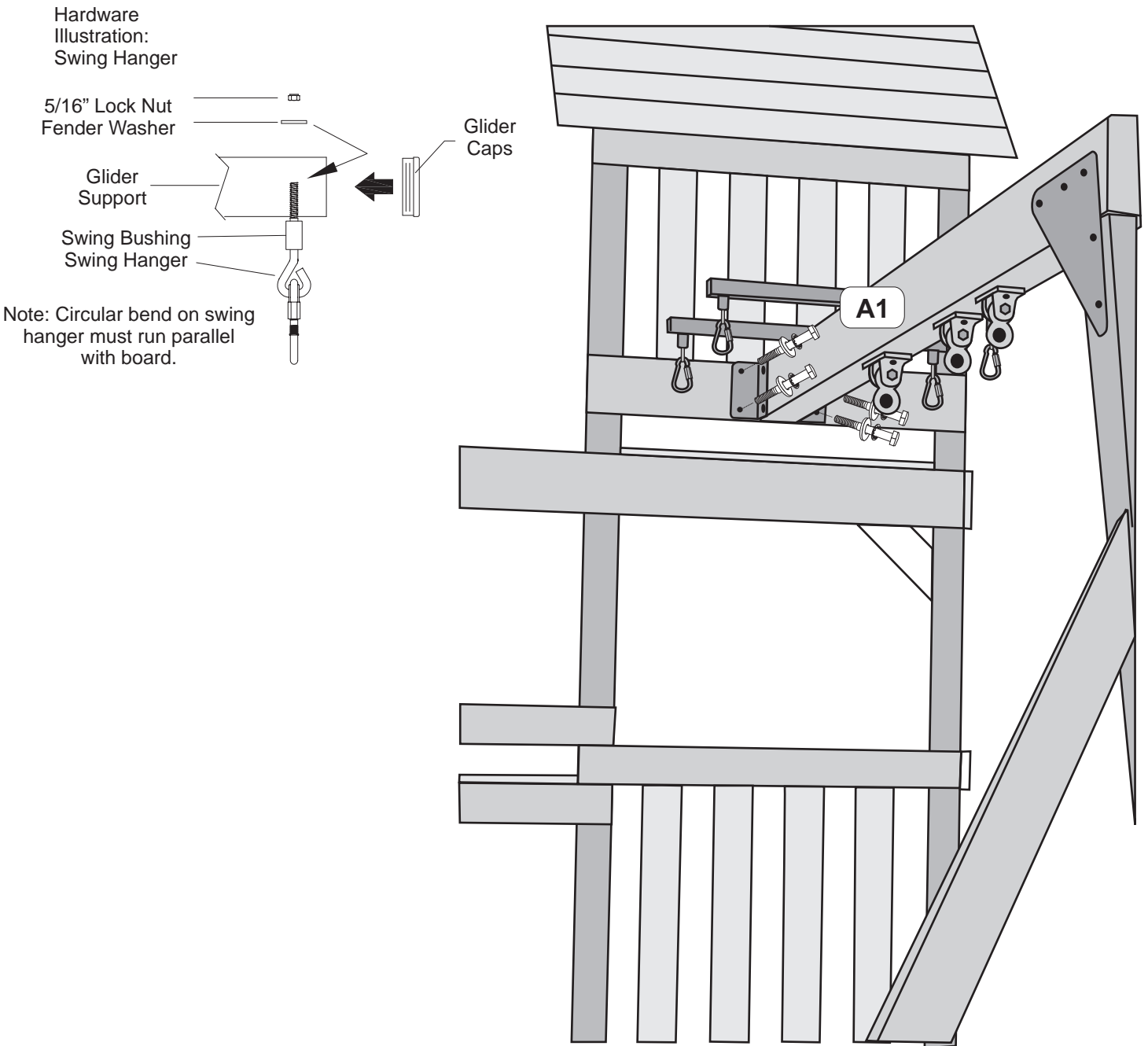
HARDWARE NEEDED

- (4) 5/16" Lock Nuts
- (4) H100042 - 5/16" x 1 1/4" Hex Bolts
- (8) 5/16" Fender Washer
- (4) H100095 - 5/16" Split Washer
- (5) H100108 - Lock Washer

STEP 30

Attach Swing Beam assembly to G8 Swing Beam Mount using 5/16"x 1-1/4" Hex Bolt, 5/16" Lock Washers and Fender Washers into Spike T-Nuts installed in earlier step.

Insert four swing hangers Z1(1 5/8") bolts through Bushing then each hole at the end of each glider support. Secure each swing hanger with a Fender Washer and 5/16" Lock Nut. Then install Glider Support Caps.



ITEMS NEEDED

- (1) E4L Entry Ladder Rail
- (1) E4R Entry Ladder Rail
- (2) E5L Entry Ladder Rail
- (2) E5R Entry Ladder Rail
- (6) H18 Ladder Steps
- (3) N7 Entry Ladder Back

HARDWARE NEEDED

- (24) 2" Wood Screw
- (6) 1 1/4" Wood Screw
- (6) H100027 - 5/16" x 2" WH Lag Screw
- (6) H100030 - Lock Washer

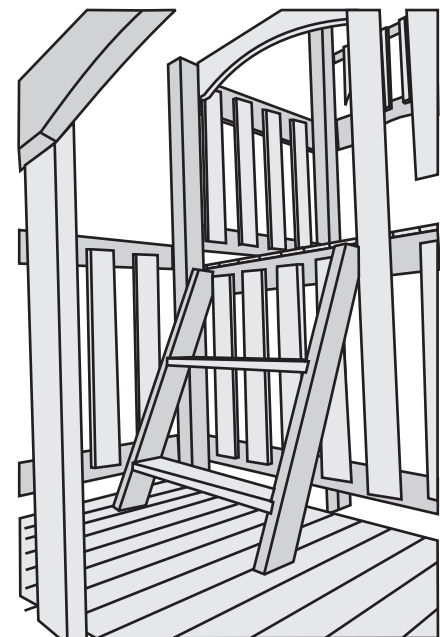
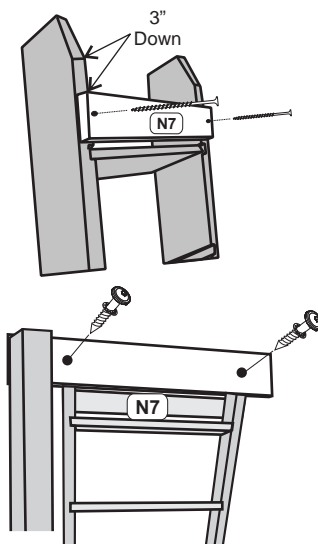
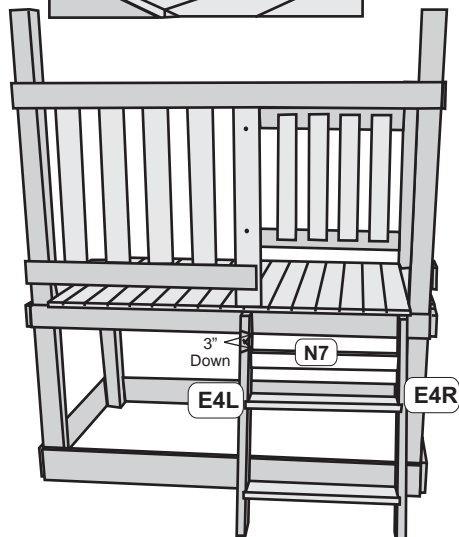
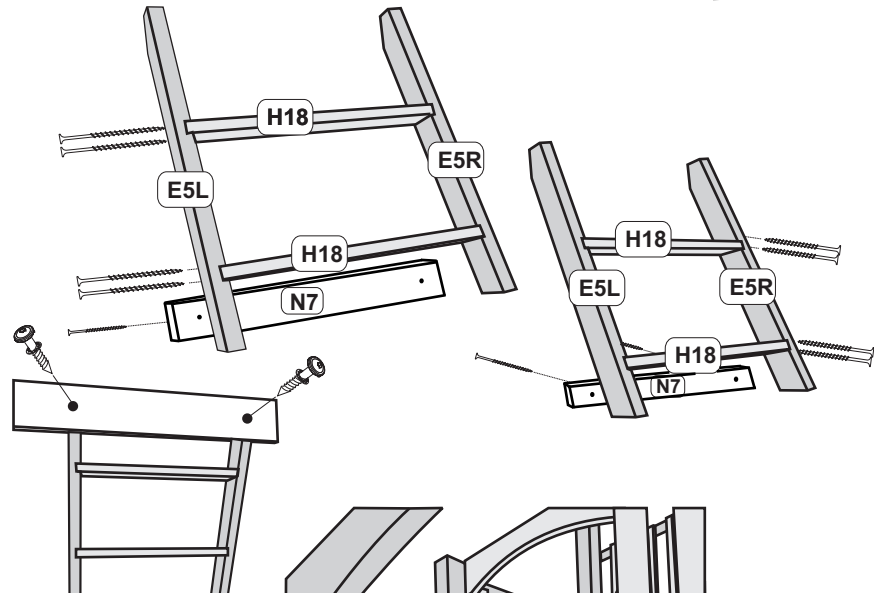
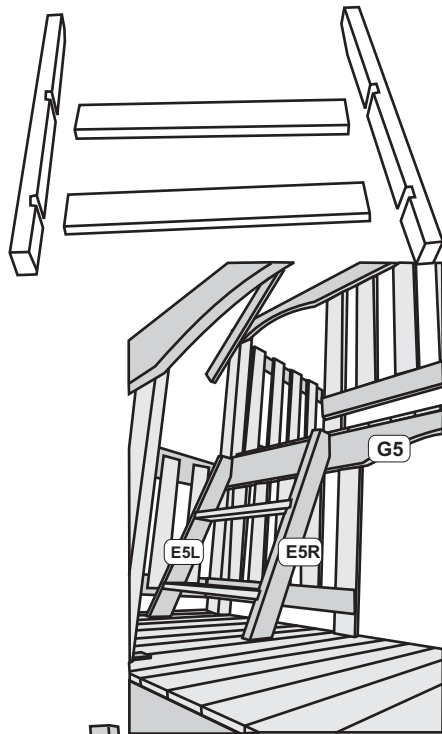
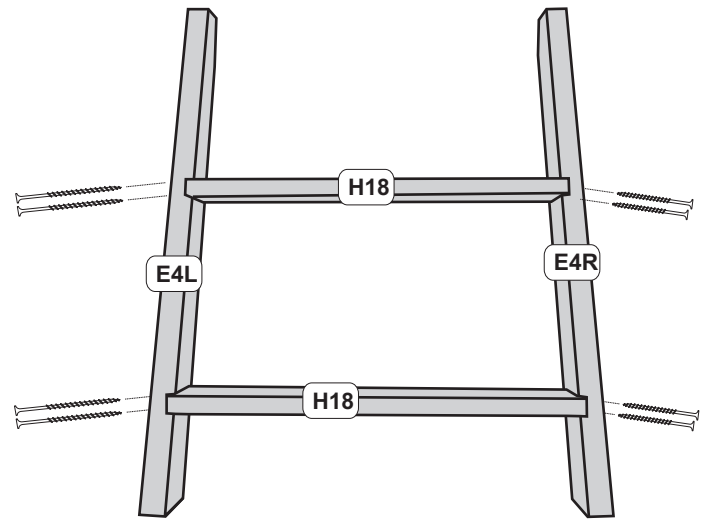
STEP 31

Construct Entry Ladder using 2" Wood Screws thru E4L and E4R into H18 Ladder Steps. Attach N7 Ladder back 3" down from angle point on top of ladder rails with 1-1/4" Wood Screws.

Now build two (2) identical ladders using E5L and E5R Entry Ladder rails with 2" Wood Screws thru Ladder rails into H18 Ladder Steps. Attach N7 Entry Ladder Back to the bottom of E5L and E5R Entry Ladder rails with 1-1/4" Wood Screws.

Note: (Pilot Drill Entry ladder Rails with 3/16" Drill bit.)

Attach Entry ladders to Floor Rails using 5/16"x 2" WH Lag Screws and Lock Washers.



ITEMS NEEDED
 (8) Y10-16.5G

HARDWARE NEEDED

- (8) H100026 - 5/16" x 1 1/2" WH Lag Screw
- (8) 1/4" Phillips Barrel Nut
- (8) 1/4" x 3/4" Phillips Truss Head Bolt
- (16) Fender Washer
- (16) 5/16" Lock Washer

STEP 32

Attach Y10-16.5G Metal Grips to M2 Wall Board (Figure 3) using 1/4"x 3/4" Phillips Truss Head Bolts, 5/16" Lock Washers, Fender Washers and 1/4" Barrel Nuts. Position another Y10-16.5G Grip on B2 Middle Tower Leg and attach using 5/16"x 1-1/2" WH Lag Screws and Lock Washers.

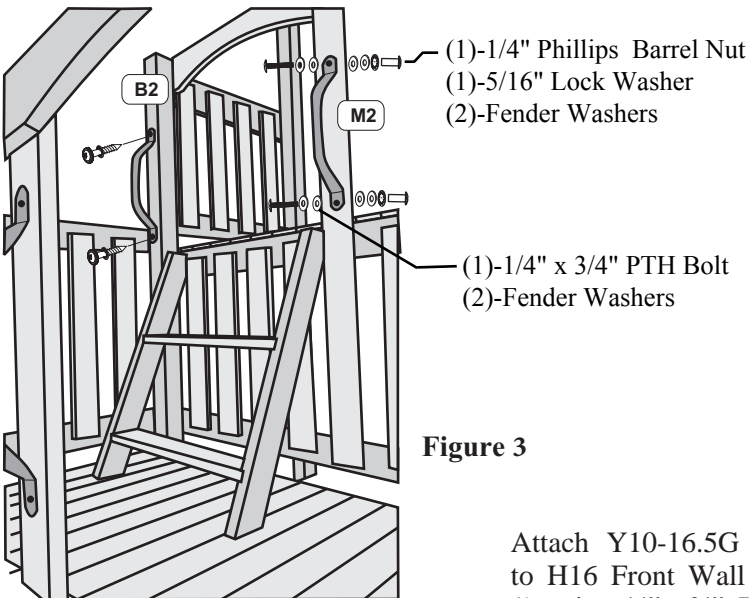


Figure 3

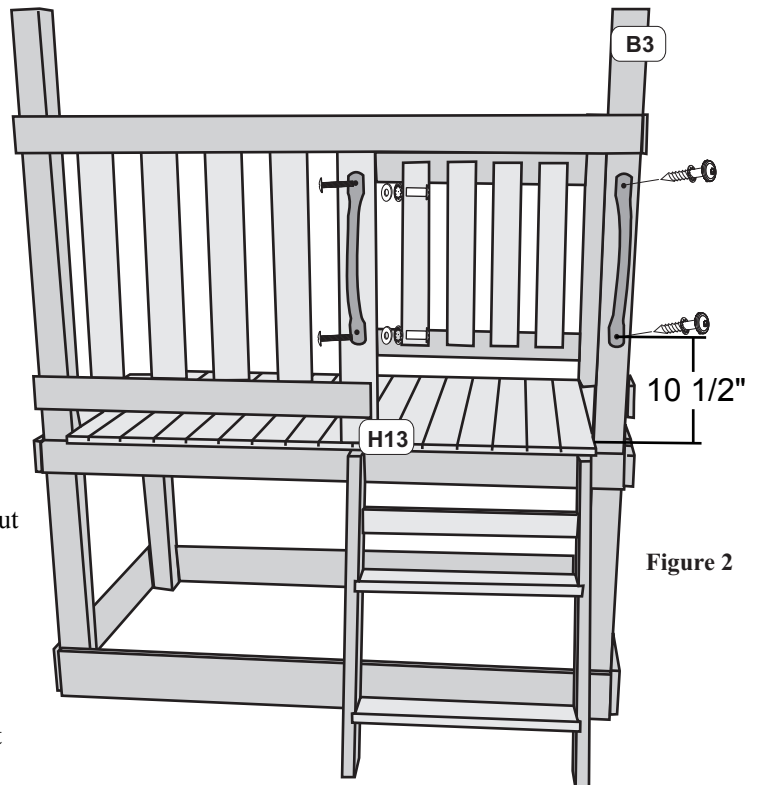
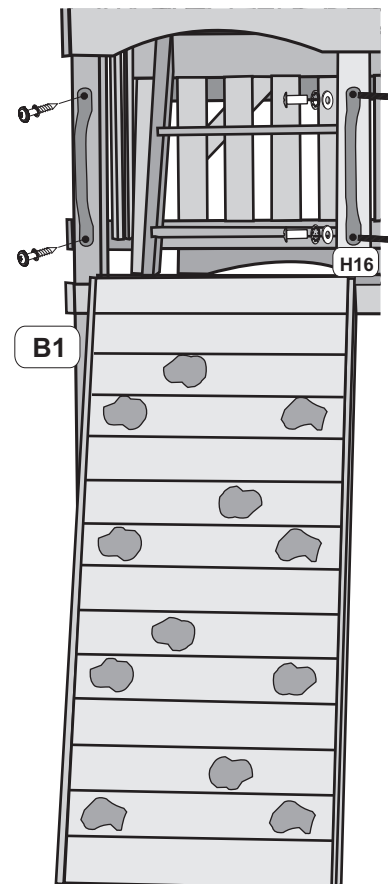
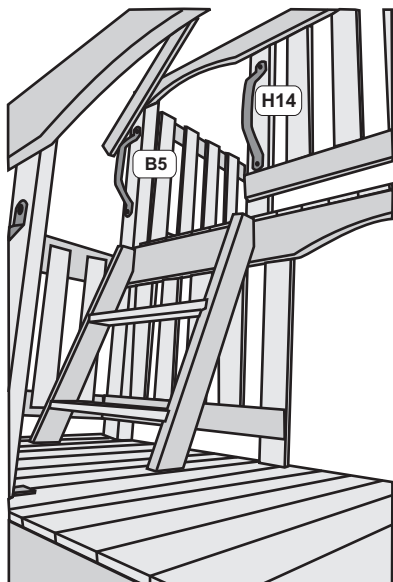


Figure 2

Figure 1



Attach Y10-16.5G Metal Grips to H16 Front Wall Rail (Figure 1) using 1/4"x 3/4" Phillips Truss Head Bolts, 5/16" Lock Washers, Fender Washers and 1/4" Barrel Nuts. Position another Y10-16.5G Grip on B1 Front Tower Leg and attach using 5/16"x 1-1/2" WH Lag Screws and Lock Washers. Now attach Y10-16.5 Grips to H13 Back Wall Rail (Figure 2) and B3 Back Tower Leg and H14 Top Wall Rail and B5 Clubhouse leg with same Hardware used on Grips installed on front of Tower.



ITEMS NEEDED

- (1) Steering Wheel 5137-1
- (1) Telescope 5147-1

HARDWARE NEEDED

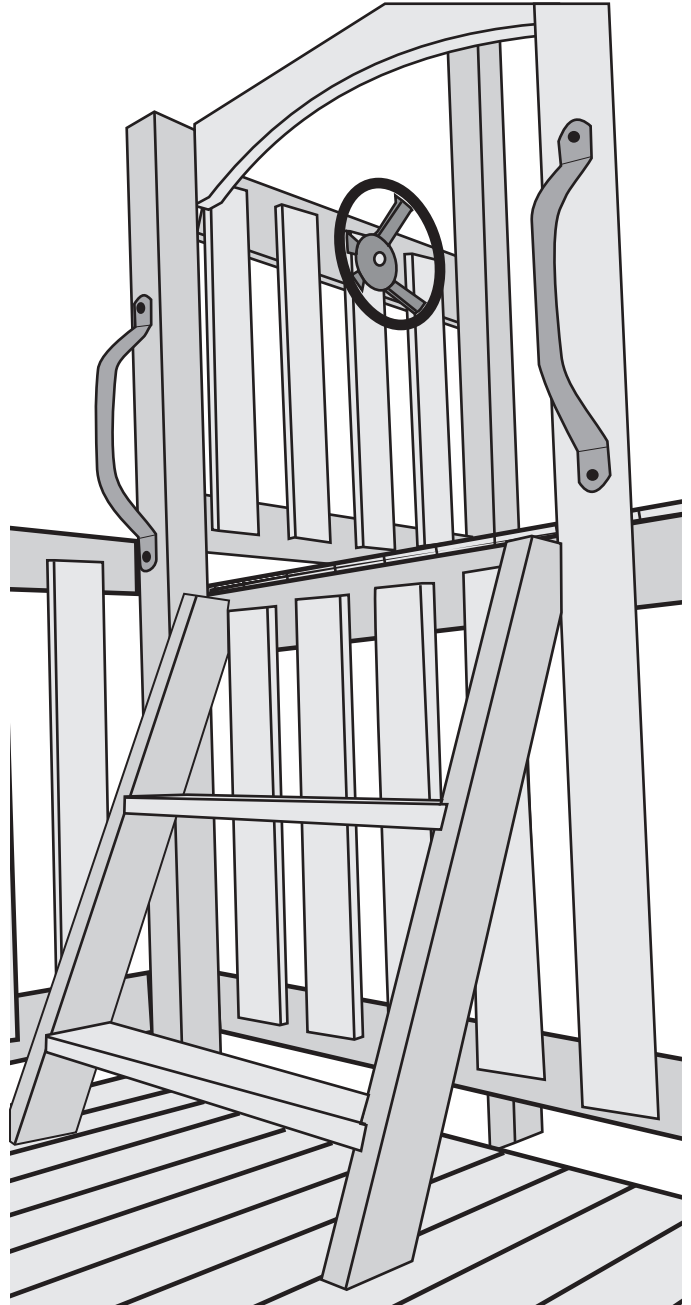
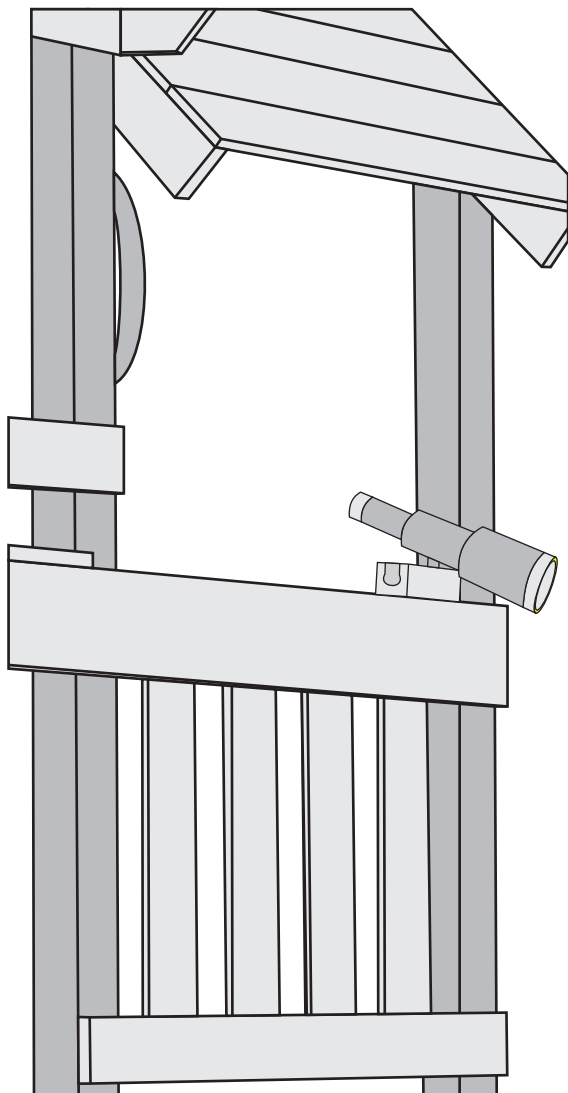
- (1) H100026 - 5/16" x 1 1/2" WH Lag Screw
- (2) 1 1/2" Wood Screw

STEP 33

Installing the Steering Wheel and Telescope you may prefer to relocate, but this is where we installed for reference.

Use a 3/16" Drill bit to pilot drill wall rail and attach Steering Wheel with 5/16"x 1-1/2" WH Lag Screw and Flat Washer.

Attach Telescope base to top of Wall Rail with 1-1/2" Wood Screws and Then snap Telescope into base.



ITEMS NEEDED

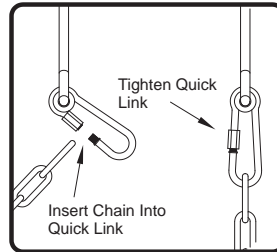
- (2) Swing Seats
- (8) Quick Links (2 Bags of 4) ZQLB1
- (4) 57" Chains Y60-57G
- (4) 62" Chains Y60-62G
- (1) Ships Wheel Glider (1) Seat, (2) Ends X11-Cay

HARDWARE NEEDED

- (2) 5/16" x 5 3/4" Hex Bolts
- (4) Flat Washer
- (2) 5/16" Lock Nut
- (4) Carabiner
- (4) Plastic Safety Tubes

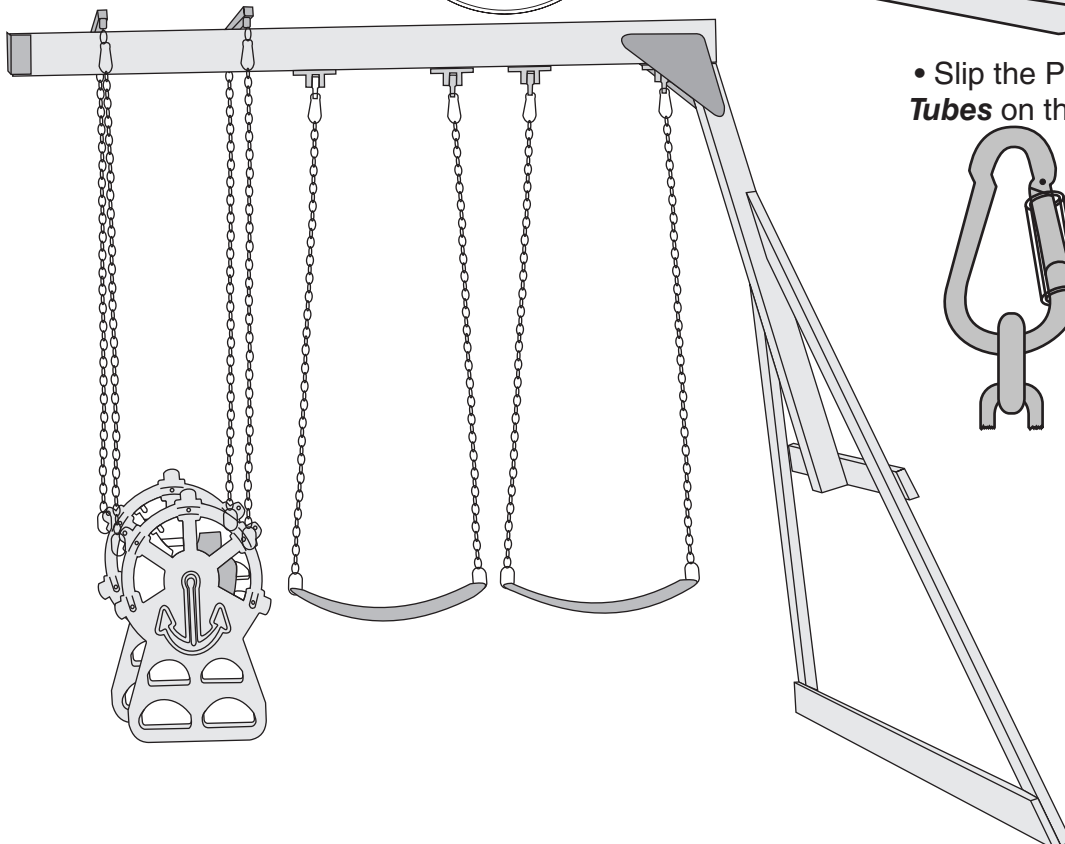
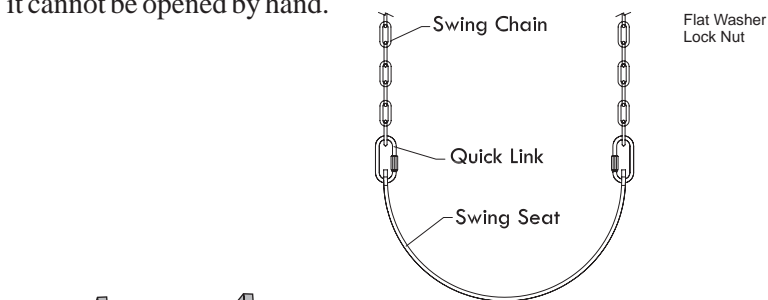
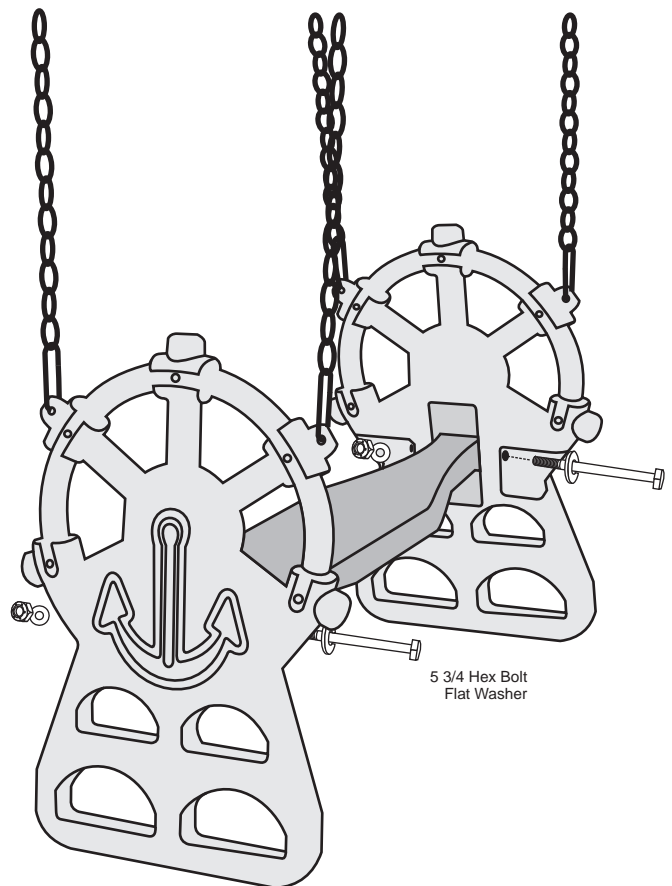
STEP 34

Assemble Glider using 5/16"x 5-3/4" Hex Bolts, Fender Washers and Lock Nuts. Then attach 57" chains to Glider Handles using Quick Links. Then hang Glider from Swing Hangers and tighten Quick Links on Swing Hangers and Glider ends.



Attach 62" chains to Swing Belts using Quick Links and tighten; then hang with Carabiners and Safety tubes to Swing Hangers.

Tighten the quick link with a wrench. The quick link must be tightened so that it cannot be opened by hand.



ITEMS NEEDED

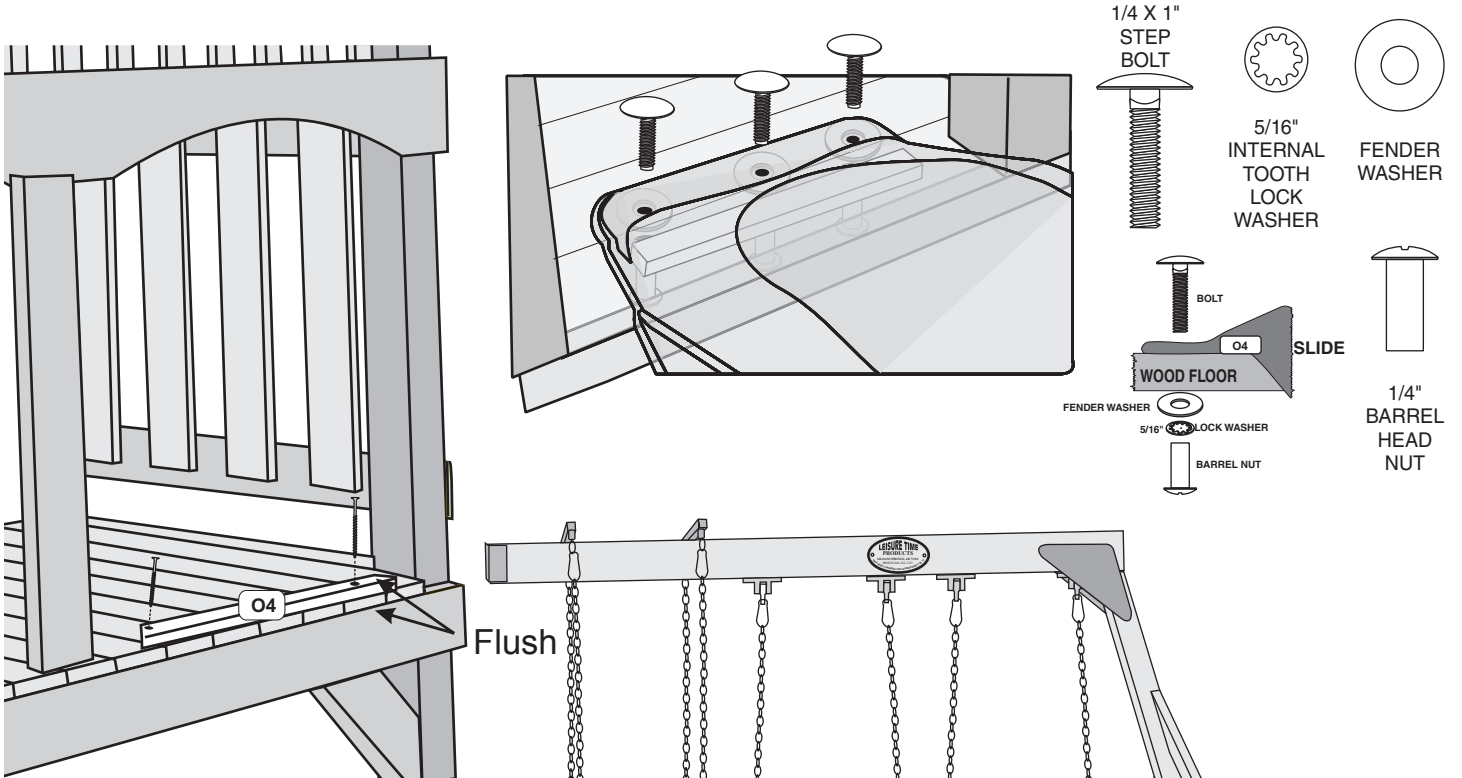
- (1) O4 Slide Board
- (1) 10' Slide
- (1) ID Plate Y50-LTP
- (2) Ground Stakes Y41

HARDWARE NEEDED

- (3) 1/4" x 1" Step Bolts
- (5) 1/4" Phillips Barrel Nut
- (7) Fender Washer
- (5) H100108 - Lock Washer
- (2) 1 1/4" Wood Screw
- (2) 1/4" x 1" Phillips Truss Head Bolt

STEP 35

Pilot drill O4 Slide Board with 3/16" drill bit and Attach O4 Slide Board to Floor Boards using 1-1/4" Wood Screws. Position O4 flush with front floor Rail and 6-1/4" From Left Side Floor Rail (Per Diagram). Now, position Slide over O4 and using holes in slide mark Floor Boards, remove Slide and Drill thru Floor Board with a 3/8" Drill Bit. Set Slide back on set and attach using Step Bolts thru Slide and 5/16" Lock Washers, Fender Washers and 1/4" Barrel Nuts from under Floor Boards.

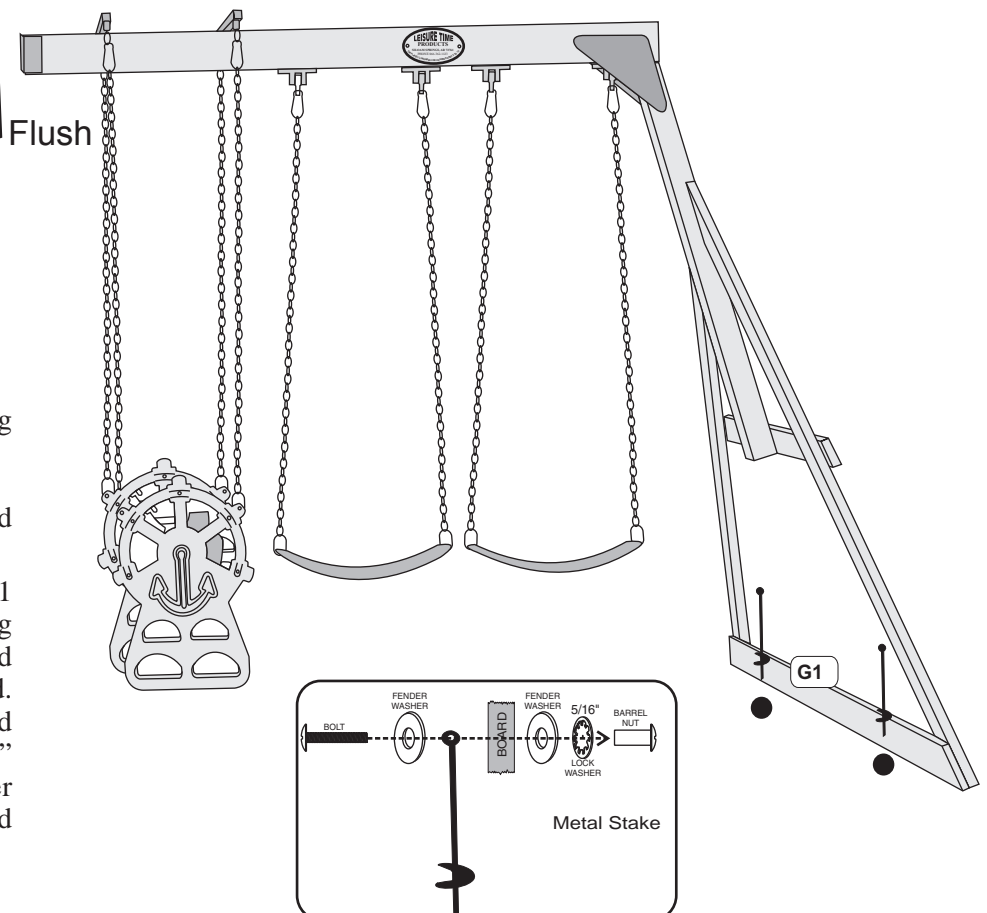


STEP 36

Attach ID Plate to center of A1 Swing Beam with 1-1/4" Wood Screws.

Install Ground anchors to G1 Ground Board on Swing Beam (Per Diagram).

Measure in 6" from outside edge of G1 Ground Board and mark ground. Using screw driver screw stake into ground until 3" from top of G1 Ground Board. Use hole in stakes to drill 3/8" hole and attach stakes to Ground Board using 1" Phillips Truss Head Bolts, Fender Washers, 5/16" Lock Washers and 5/16" Barrel Nuts.



Limited Warranty

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 and 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. Under no circumstance should a Backyard Discovery product be used in public settings. Such use may lead to product failure and potential injury. Any and all public use will void this warranty. Backyard Discovery disclaims all other representations and warranties of any kind, express or implied.

This Warranty gives you specific legal rights. You may have other rights as well which vary from state to state or province to province. This warranty excludes all consequential damages, however, some states do not allow the limitation or exclusion of consequential damages and therefore this limitation may not apply to you.

Pro Rated Part Replacement Schedule

Product Age

All Parts

0-30 days from date of purchase

31 days to 1 year

Customer Pays

\$0 and free shipping

\$0 + S&H

Wood Rot and Decay Only

1 year

2 years

3 years

4 years

5 years

Over 5 years

\$0 and free shipping

20% + S&H

40% + S&H

60% + S&H

80% + S&H

100% + S&H

Garantía limitada

Esta garantía limitada de Backyard Discovery se aplica a productos fabricados bajo la marca Backyard Discovery o sus otras marcas incluyendo a título informativo pero no limitativo Backyard Botanical, Adventure Playsets, y Leisure Time Products.

Backyard Discovery garantiza que este producto no tiene defectos de material ni de mano de obra durante el período de un (1) año a partir de la fecha original de compra. Esta garantía de un (1) año ampara todas las piezas incluyendo la madera, los herrajes, y accesorios. La madera tiene una garantía prorrateada de cinco (5) años contra la descomposición y el deterioro. Refiérase a la tabla que sigue para los cargos relacionados con el reemplazo de las piezas bajo esta garantía limitada. Adicionalmente Backyard Discovery reemplazará cualesquiera piezas que faltaren en el empaque original o estuviesen dañadas dentro de los primeros 30 días a partir de la fecha de compra.

Esta garantía se aplica al propietario original y al registrante y **no es transferible**. El mantenimiento regular es un requisito para lograr el máximo de vida útil y rendimiento de este producto. Si el propietario no presta el mantenimiento conforme a los requisitos puede anularse la garantía. Las pautas de mantenimiento se indican en el Manual del Propietario.

Esta garantía limitada no ampara:

- Mano de obra por cualquier inspección.
- Mano de obra para el reemplazo de cualesquiera piezas defectuosas.
- Daños accidentales o resultantes
- Defectos de orden cosmético que no afecten el rendimiento o integridad de una pieza o del producto completo.
- Vandalismo, uso inadecuado, fallas debido a la carga o el uso que excedan las capacidades establecidas en el Manual de Ensamblaje correspondiente.
- Actos de la naturaleza que incluyen, a título informativo más no limitativo, viento, tormentas, granizo, inundaciones, excesiva exposición al agua.
- Instalación inadecuada incluyendo a título informativo más no limitativo, la instalación en tierra dispereja, desnivelada o poco compacta.
- Torceduras menores, deformaciones, fisuras o cualquier otra característica natural de la madera que no afecte el rendimiento o la integridad.

Los productos de Backyard discovery han sido diseñados para brindar seguridad y calidad. Cualquier modificación que se haga al producto original podría dañar la integridad estructural de la unidad lo cual podría conducir a fallas y la posibilidad de lesiones. La modificación anula cualquiera garantía en particular y todas las garantías en general y Backyard Discovery no asume responsabilidad por cualquier producto modificado ni por las consecuencias que resultaren de la falla de un producto modificado.

Este producto está garantizado para USO RESIDENCIAL ÚNICAMENTE. Bajo ninguna circunstancia debe utilizarse un producto Backyard Discovery en lugares públicos tales. Tal uso podría ocasionar falla del producto y lesiones potenciales. El uso público anulará esta garantía. Backyard Discovery desconoce toda otra representación o garantía de cualquier índole, expresa o implícita.

Esta garantía le otorga derechos legales específicos. También podría gozar de otros derechos, los cuales varían de un estado a otro o de una provincia a otra. Esta garantía excluye todos los daños resultantes. Sin embargo, algunos estados no permiten la limitación o exclusión de los daños resultantes, por lo tanto es posible que esta limitación no aplique en su caso.

Tabla prorrateada de reemplazo de piezas

Edad del producto

Todas las piezas

0-30 días a partir de la fecha de compra

31 días a 1 año

El cliente paga

\$0 y envío gratis

\$0 + envío y manejo

Descomposición y deterioro de la madera únicamente

1 año

\$0 y envío gratis

2 años

20% + Envío y manejo

3 años

40% + Envío y manejo

4 años

60% + Envío y manejo

5 años

80% + Envío y manejo

Más de 5 años

100% + Envío y manejo

Backyard Discovery Warranty Registration Card
Tarjeta de inscripción de garantía de Backyard Discovery



Please fill out this important information about your purchase and drop it in the nearest mailbox. We pay the postage!

Por favor llene esta importante información sobre su compra y colóquela en el buzón más cercano. ¡Nosotros pagamos el franqueo!

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Email Address/Dirección de correo electrónico: _____

Phone/Teléfono: () _____ - _____

Purchased From/Comprado en: _____

Date Purchased/Fecha de compra: _____

Model Name/Número de modelo: _____



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