RAINBOW PLAY SYSTEMS, INC.®
FINE RESIDENTIAL PLAY EQUIPMENT

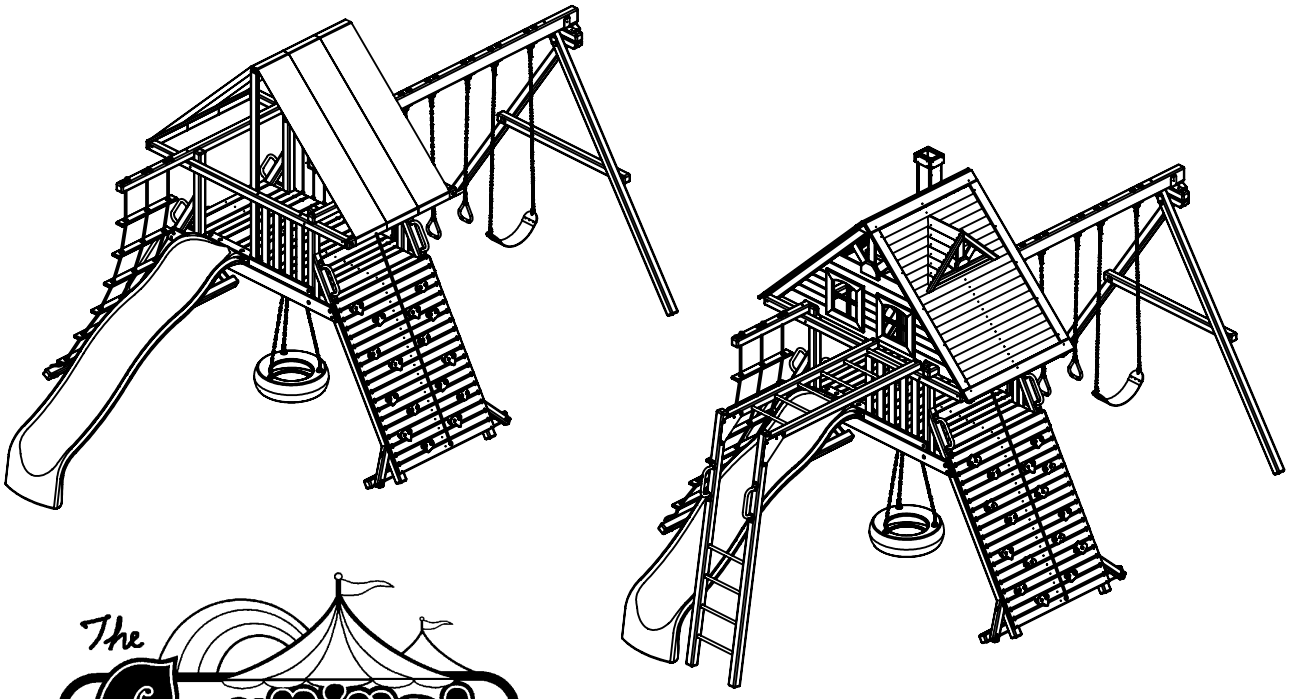
Carnival Castle

Assembly Instructions

5-70-0301

(Rev 0 - 12.14.11)

Contains Assembly, Use, and Maintenance Instructions



The Carnival Series

NOTICE: This product is intended for outdoor family domestic use only with children ages 3 to 12. This product is not suitable for children under 36 months.

⚠ WARNING: This owner's manual contains important information about how to assemble, locate, use, and maintain this playground equipment. Read this manual before you start assembly. Follow all instructions. Be sure to educate all children who use this playground and all adult supervisors about the rules for safe use that are contained in this manual.

Keep this Owner's Manual for future reference and to remind you of how to safely use and maintain this equipment.

RAINBOW RESERVES THE RIGHT TO MAKE CHANGES AND MODIFICATIONS TO THIS PRODUCT.

OWNER'S MANUAL

Rainbow Play Systems, Inc.

Thank you for choosing Rainbow Play Systems, Inc. Please read the instruction manual thoroughly before you start building your Carnival Castle to help ensure safe installation. Familiarize yourself with all hardware and parts to help with building your playground.

WARNING: Failure to follow the assembly, location, use, and maintenance instructions in this manual could result in serious injury to children using this playground.

Thoroughly read all Safety Instructions on pages 2-5 before beginning assembly of your playset.

Welcome to RAINBOW

Welcome to our family of ready-to-build residential play equipment. Ease of assembly has been pre-engineered into our product and we provide step-by-step installation instructions.

To ensure safe play for your children, before building your play system, please take some time with your children and go over the **Rules for safe play on your play system.** Do not allow children in the area while you are assembling your play system. Many of Rainbow's components are very heavy and could seriously injure a child. Observing these rules reduces the likelihood of serious or fatal injury.

After thoroughly reading the information below, locate your play site and carefully unpack parts. As you unpack your play system, keep the parts list handy and become familiar with each part before beginning assembly. Remember that a little extra time spent familiarizing yourself with the parts and the instructions before you begin will help to avoid mistakes and save you time later. Please keep these instructions for future reference.

This product is recommended for children 3 to 12 years of age.

Note: This product is not intended for public use. Rainbow Play Systems, Inc. does not warranty its Residential Play Equipment subject to commercial use.

Safety Instructions

Rules for Safe Play

WARNING: Before allowing children to play on this equipment for the first time, carefully review the rules for safe play with them. Observing the following statements and warnings reduces the likelihood of a serious or fatal injury.

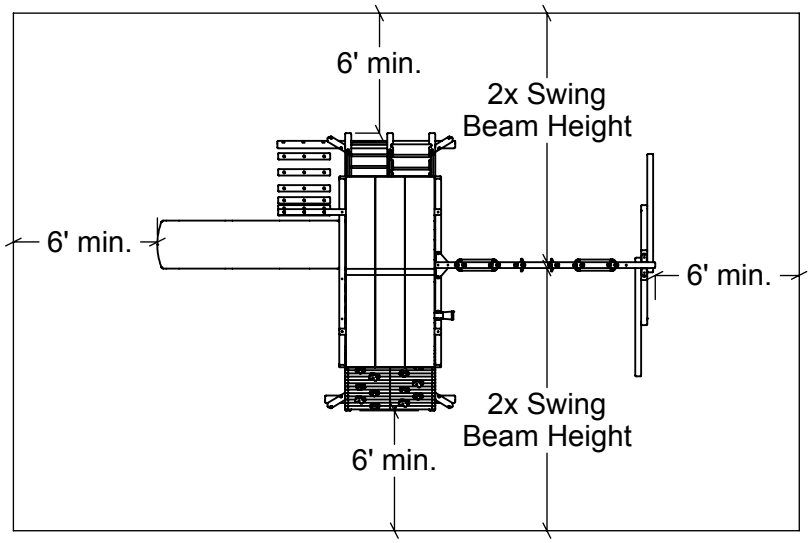
1. **IT IS RECOMMENDED** that no more than 6-8 children, not exceeding a combined weight of 1,200 pounds, play on the system at one time. This product is recommended for children 3 to 12 years of age.
2. **CLOSE ADULT SUPERVISION** is required for children of all ages.
3. **WARN CHILDREN TO AVOID** playing or walking in front of, behind, or between moving equipment.
4. **WARN CHILDREN NOT TO** twist swing chains or ropes, or to loop them over the top support bar since this may reduce the strength of the chain or rope.
5. **INSTRUCT CHILDREN NOT TO** swing empty seats, trapeze bar, gliders, buoy balls or tire swings.
6. **INSTRUCT CHILDREN** to always sit, never stand or kneel, in the center of the swing seat with their full weight.
7. **INSTRUCT CHILDREN NOT TO** use any part of the play system in a manner other than what it is intended.
8. **INSTRUCT CHILDREN NOT TO** get off equipment while it is in motion.
9. **DRESS CHILDREN APPROPRIATELY. CHILDREN SHOULD NOT** wear scarves, hats with straps, helmets, jackets with draw strings, hooded jackets, poorly fitting shoes, or any other loose fitting clothing that is potentially hazardous while using equipment.
10. **INSTRUCT CHILDREN NOT TO** play on the equipment if it is wet. Potentially slippery surfaces may cause a hazard.
11. **VERIFY** all suspended items such as ropes and chains are secure at both ends.
12. **VERIFY** all suspended items such as climbing ropes are tight so they cannot be looped back on themselves.
13. **INSTRUCT CHILDREN NOT TO** attach items to the play system not specifically intended for use with the play equipment. Items such as, but not limited to, jump ropes, clotheslines, pet leashes, cables and chain may pose a strangulation hazard.
14. **INSTRUCT CHILDREN TO REMOVE** any bike or other sports helmets before playing on the play equipment, as they may pose a possible hanging hazard. Children must be dressed appropriately.
15. **INSTRUCT CHILDREN** there may only be one person on a swing at a time with a maximum weight of 150 pounds per swing.
16. **VERIFY** there are no gaps between the slide bed way and the slide screws.
17. **INSTRUCT CHILDREN** to always go down slides feet first. Never slide head first.
18. **INSTRUCT CHILDREN TO NEVER** climb, crawl, or walk on items not intended for such use. Such types of play on top of Monkey Bars, Fort Roof, and Swing Beams greatly increase the risk of a serious or fatal fall.

Choosing a location for your play system

When selecting your play site, always keep the child's safety in mind. Here are some recommendations that should help you achieve a safe play area.

1. The play system should be located on solid level ground free of objects that could cause injury such as, but not limited to, tree stumps, roots, and large rocks. Stationary components such as ladders and slides must be no less than SIX FEET (1.8 meters) from any structure or obstruction such as a fence, garage, house, tree or overhanging branches, electrical wires or clotheslines. Any swinging equipment must be a minimum distance of TWICE the height of the swing beam away from any structures or obstructions as specified above. We also recommend that you do not install your play system near a lake, river, swimming pool or other water hazards.
2. If anchoring your play system, all underground utilities must be located in play zone before starting assembly of play system.
3. Try to locate slide out of direct sunlight to reduce the likelihood of serious burns. A slide that faces north will receive the least direct sunlight.
4. It is recommended not to place a set on sandy soil or loose fill as it may require additional anchoring in that situation.
5. Do not install your play system 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 play system user.

Set Dimensions	Play Zone
L 20 1/2' x W 11 1/2' x H 12'	L 32 1/2' x W 29'



Choosing a surfacing material

The consumer shall provide playground surfacing materials under and around residential play equipment that conforms to the recommendations of the Consumer Product Safety Commission's Outdoor Home Playground Safety Handbook publications #324. A copy of the section relating to surfacing materials is included in the installation instructions. Free copies of this handbook are available on line at www.cpsc.gov or by contacting the CPSC Publications Office in Washington D.C. 20207.

The URL is http://www.cpsc.gov/cpscpub/pubs/324.pdf and the file size is 456.5KB

Playground equipment should never be placed on hard surfaces such as concrete or asphalt. Do not use loose fill surfacing on top of hard surfaces such as concrete or asphalt. While grass may appear to be acceptable, it may quickly turn to hard packed earth in areas of high traffic. Shredded bark mulch, wood chips, fine sand or fine gravel are considered to be acceptable shock absorbing surfaces when installed and maintained at a sufficient depth under and around playground equipment. The U.S. Product Safety Commission (CPSC) estimates that about 100,000 playground equipment-related injuries resulting from falls to the ground surface are treated annually in U.S. hospital's emergency rooms. Injuries involving this hazard pattern tend to be the most serious of all playground injuries, and have a potential to be fatal, particularly when the injury is to the head. The surface under and around playground equipment can be a major factor in determining the injury-causing potential of a fall. It is self evident that a fall onto a shock absorbing surface is less likely to cause a serious injury than a fall onto a hard surface.

The following information is intended to assist in comparing the relative shock-absorbing properties of various materials. No particular material is recommended over another. However, each material is only effective when properly maintained. Materials should be checked periodically and replenished to maintain correct depth as determined necessary for your equipment. The choice of a material depends on the type and height of your playground equipment, the availability of the material in your area, and its cost.

Table 3.1 lists the maximum height from which a child would not be expected to sustain a life-threatening head injury in a fall onto four different loose-fill surfacing materials if they are installed and maintained at depths of 6, 9, and 12 inches. However, it should be recognized that all injuries due to falls cannot be prevented no matter what surfacing material is used.

TABLE 3.1 Fall Height in Feet From Which a Life Threatening Head Injury Would Not Be Expected			
Type of Material	**6 in. depth**	**9 in. depth**	**12 in. depth**
Double Shredded Bark Mulch	6 ft.	10 ft.	11 ft.
Wood Chips	6 ft.	7 ft.	12 ft.
Fine Sand	5 ft.	5 ft.	9 ft.
Fine Gravel	6 ft.	7 ft.	10 ft.

Surfacing in "compressed" depths - See CPS & ASTM for Fall Heights of equipment												
Equipment Fall Height	**1'**	**2'**	**3'**	**4'**	**5'**	**6'**	**7'**	**8'**	**9'**	**10'**	**11'**	**12'**
Wood Chips	6"	6"	6"	6"	6"	6"	6 1/2"	7 1/2"	8 1/4"	9"	12"	13"
Double Shredded Bark Mulch	6"	6"	6"	6"	7"	8"	9"	9 3/4"	10 1/2"	11 1/2"	12"	13"
Engineered Wood Fibers	6"	6"	6"	7"	8 1/2"	9"	9 1/2"	10 1/4"	10 3/4"	11"	10 3/4"	12"
Fine Sand	6"	6"	6 1/2"	8"	9	10"	10 1/2"	11 1/4"	12"	13 1/2"	14 3/4"	16"
Coarse Sand	6"	6"	7 1/2"	9"	10 1/2"	12"	14"	16"	18"	20"	22"	24"
Fine Gravel	6"	6"	6"	6 3/4"	8"	9"	10"	10 3/4"	11 1/2"	12"	13 1/4"	14 1/2"
Medium Gravel	6"	6 1/4"	8"	9"	9"	12"	14"	16"	18"	20"	22"	24"

Chart obtained from U.S. Consumer Product Safety Commission Handbook for Public Playground Safety

NOTICE: It is recommended to use containment, such as digging out around the perimeter and/or lining the perimeter with landscape edging for surfacing materials.

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.

When surfacing is to be used it is recommended to use Playground Surfacing Materials (other than loose-fill materials) which comply to the safety standard ASTM 1292 Standard Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment.

Maintenance of your play system

To ensure safe enjoyment of your Rainbow Play System for years to come, follow these maintenance tips:

1. **At the beginning of each usage season and twice each month,** check and tighten as needed (but do not over tighten causing the wood to crack) all nuts and bolts. Acorn nuts should be tightened to 5 foot pounds of torque. Hardware used on swinging elements should be checked at least twice a month to ensure proper fastening.

2. **At the beginning of each usage season and twice each month,** check all coverings for bolts and sharp edges to be certain they are in place. Replace when necessary.

3. **Oil all** metallic moving parts and grease Tire Swivel monthly during the usage period.

4. **Check** all moving parts including swing seats, ropes, and chains for wear, rust, or other deterioration and replace as needed.

5. **Check** all metal parts for rust. If needed, sand and repaint using a nonlead-based paint meeting the requirements of Title 16 CFR Part 1303.

6. **Check** the S-Hooks on the chains to ensure the gap is less than .040 inches. Tighten/close as necessary.

7. **Remove** plastic swing seats and take indoors or do not use when temperature drops below 32° Fahrenheit. Reinstall swing seats when the cold season is complete.

8. **Check, twice a month,** the depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Rake or replace as necessary.

9. **When you are ready to dispose of your playset,** make sure all metal, plastic and wood components are disposed of in accordance with local waste ordinances and ensure that no unreasonable hazards exist.

10. **On a yearly basis,** we recommend that you coat your play system with a sealant or preservative. You may also want to spot sand areas before sealing. Be sure that the sealant you select is non-toxic and child safe.

11. **Check** all wood members for deterioration and splinters. Spot sand any areas that are checking or splintering. If parts are deteriorating, replace as needed.

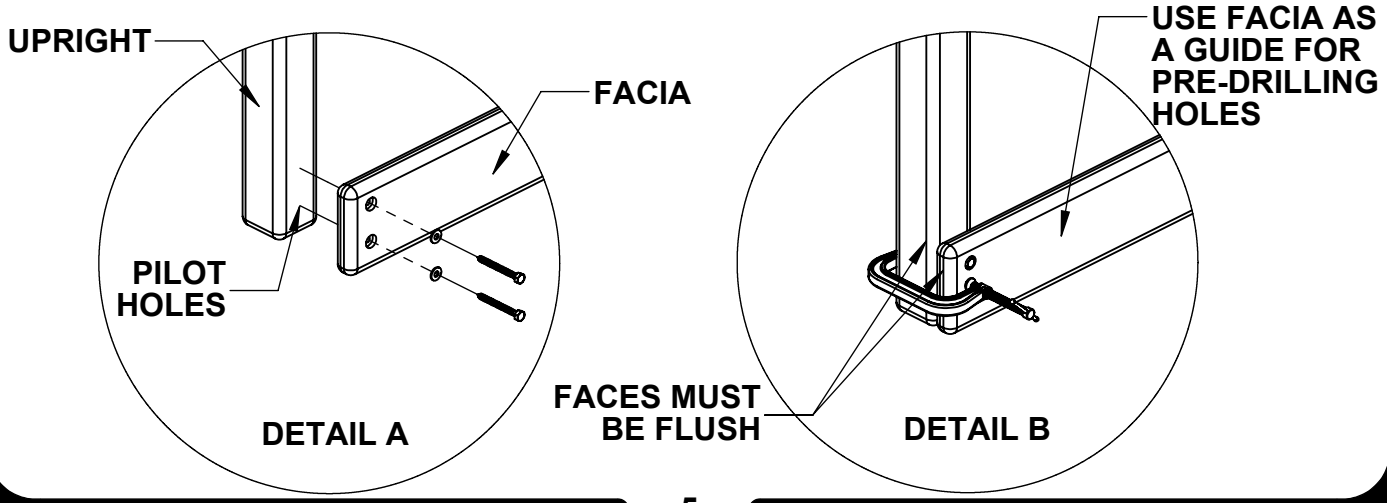
Helpful Installation Hints

1. **Wear safety glasses to protect your eyes from flying wood chips when drilling or cutting.**
2. **Verify that all bolts and screws are secured tightly and all acorn nuts are snug** (acorn nuts should be tightened to 5 foot pounds of torque).
3. **DO NOT** allow children to play on the play system until it is completely assembled in a proper location.
4. **DO NOT** allow children in the area while you are assembling your play system. Many of the Rainbow Play Systems, Inc. components are very heavy and could seriously injure a child.
5. **After thoroughly reading all information and properly locating your play system site, carefully unpack parts.** As you unpack your play system, keep the parts list handy and become familiar with each part before beginning assembly. Remember that a little extra time spent familiarizing yourself with the parts and instructions before you begin will help avoid mistakes and save you time later.
6. **Group** both wood and non-wood parts together in accordance to each page, or Step, of this assembly manual. Doing this now will help you quickly locate parts and assemble the set with ease.
7. **Sort** your hardware into groups of similar hardware pieces. Use a solid surface, such as the empty boxes, to ensure you do not lose any hardware.
8. **Before** starting each Step, thoroughly read all of the instructions to ensure all information is understood. Pay special attention to the orientation of each part, details & notes, and proper usage of hardware. Each piece of hardware is required for a certain part of the assembly.
9. **Certain** steps of the assembly are best performed on a hard flat surface to ensure proper and accurate assembly.
10. **All** Lag Bolts must have pre-drilled holes 2" deep (as shown in Detail A). Use a 1/8" drill bit for all 1/4" and 5/16" Lag Bolts and use a 1/4" drill bit for all 3/8" Lag Bolts. Lag Bolts can be difficult to put in knot holes. Pre-drilling pilot holes will help to prevent the Lag Bolts from breaking.
11. **All** #14 Phillips Pan Head Tap Screws must have pre-drilled holes 1/2" deep. Use a 1/8" drill bit.
12. **Use** a clamp to secure facias flush to the Uprights and use holes in facia as a guide for placing Lag Bolt Pilot Holes (as shown in Detail B).
13. **Verify** Facias are flush with Uprights.
14. **Check** assembly periodically to ensure the set is level and all facias are square to the uprights.
15. If a gap occurs between boards when inserting Screws or Lag Bolts, back out hardware and apply pressure to the top board while reinserting hardware in the same hole.

WARNING

Drilling, sawing, sanding or machining wood products generates wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.

California Health and Safety Code Section 25249.6



COMMONLY ASKED QUESTIONS

Question: How do I know when Lag Bolts and other Fasteners are tightened properly?

Answer: Lag Bolts and other Fasteners are tight when the head of the Lag Bolt and Washer are firmly compressed against the wood. If splintering occurs, that is an indication you are over tightening the Lag Bolts and other Fasteners. (Splintering is when the wood fibers fracture out from under the washers).

Question: What should I do if a Lag Bolt or other Fastener lines up with a knot, or if the Lag Bolt breaks?

Answer: There is extra Hardware provided with the set for this reason. Re-Drill a new hole with a 1/8" Drill Bit in a new direction to miss the obstruction.

Question: What if my Play System is leaning and/or rocks?

Answer: This is caused by unleveled ground under the Base and Support Wings of the Play System. It may be necessary to remove or add some soil beneath the Play System to make it level. Ground Stakes, when installed, will also provide stability.

Question: What if my Play System has cracks on the wood or seems to be developing cracks?

Answer: Seasonal checks, surface cracks, and knot holes are natural characteristics of all wooden play equipment. A check is a separation of the wood fibers running with the grain. This is caused by varying temperature and moisture conditions. By coating your Play System annually with a sealant or preservative, you can help protect your Play System from developing (not stopping) seasonal checks. Please remember to follow all installation instructions, including installing the play set on solid level ground.

Question: What is the sticky substance that appears on the wood?

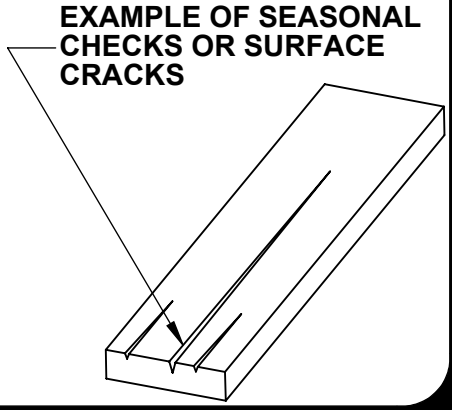
Answer: The sticky substance that may appear on the wood is called pitch. It is common for the lumber to have occasional pitch seepage which does not affect the structural integrity of the part. Pitch provides the natural rot resistant characteristics of the lumber. If play surfaces or play items become overly sticky with pitch use rubbing alcohol to safely remove.

Question: What accessories may be added or what modifications can be made to my Rainbow boxed kit set?

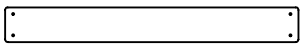
Answer: Rainbow boxed kit sets are complete kits and are not modular. Play sets with unauthorized accessories or modifications will not be covered under warranty. Non-residential use of the play set voids warranty.

Question: Is my child old enough to use all play items on my set?

Answer: All play items on Rainbow boxed kit sets are designed for children ages 3 to 12, but it is the end users responsibility to determine suitability of use by their children for each play item.



CIRCUS CASTLE PARTS LIST

(200) 
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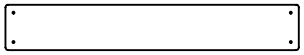
(255) 
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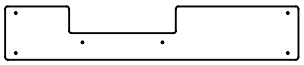
(256) 
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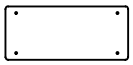
(257) 
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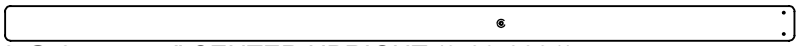
(263) 
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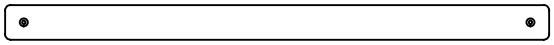
(264) 
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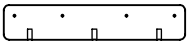
(385) 
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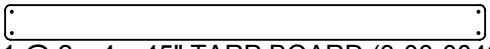
(265) 
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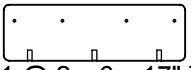
(267) 
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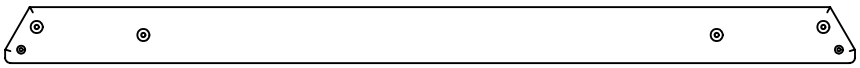
(266) 
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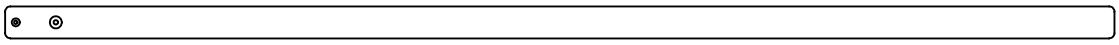
(77) 
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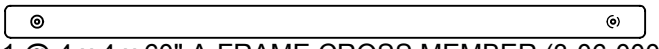
(78) 
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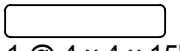
(81) 
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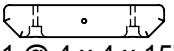
(82) 
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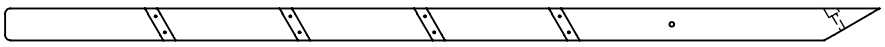
(268) 
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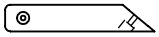
(269) 
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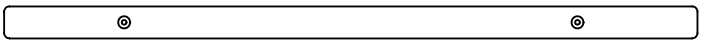
(270) 
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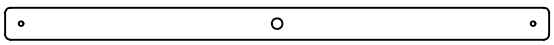
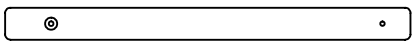
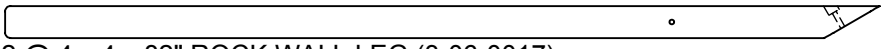
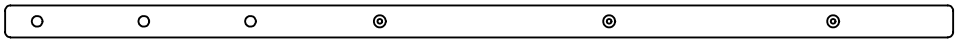
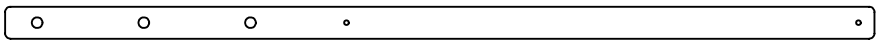
(271) 
1 @ 4 x 4 x 51" CASTLE FRONT BEAM (3-06-0015)

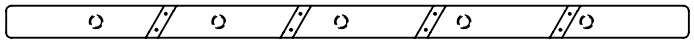
(272) 
4 @ 4 x 4 x 38" CORNER UPRIGHT (3-06-0016)

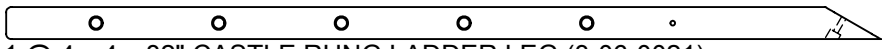
(273) 
2 @ 4 x 4 x 82" ROCK WALL LEG (3-06-0017)

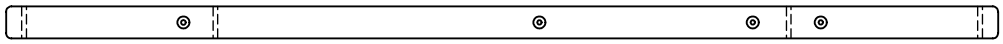
(274) 
1 @ 4 x 4 x 88 7/8" LOWER ROPE RUNNER (3-06-0018)

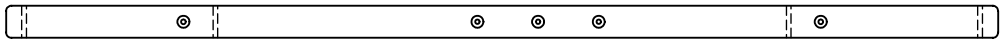
(275) 
1 @ 4 x 4 x 81 1/2" UPPER ROPE ARM (3-06-0019)

CIRCUS CASTLE PARTS LIST

276 
1 @ 4 x 4 x 64" MIDDLE STEP/RUNG COMBO LEG (3-06-0020)

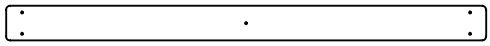
277 
1 @ 4 x 4 x 82" CASTLE RUNG LADDER LEG (3-06-0021)

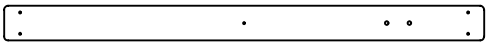
278 
1 @ 4 x 4 x 93" TOP JOIST w/MB HOLES (3-06-0022)

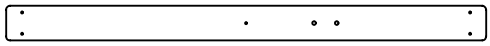
279 
1 @ 4 x 4 x 93" TOP JOIST w/SWING HOLES (3-06-0023)

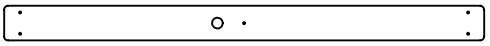
384 
1 @ 4 x 4 x 6" PIPE BLOCK (3-06-0029)

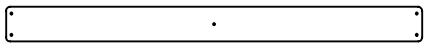
346 
1 @ 4 x 6 x 106" 3 POSITION SWING BEAM (3-07-0006)

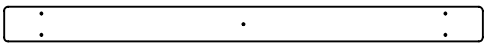
283 
2 @ 5/4 x 4 x 45" ROCK WALL BOARD (3-09-0011)

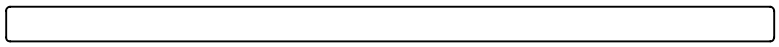
284 
8 @ 5/4 x 4 x 45" 2 HOLE ROCK WALL BOARD (3-09-0012)

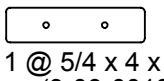
285 
8 @ 5/4 x 4 x 45" 2 HOLE INSIDE ROCK WALL BOARD (3-09-0013)

286 
1 @ 5/4 x 4 x 45" ROCK WALL BOARD w/ROPE HOLE (3-09-0014)

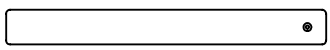
287 
4 @ 5/4 x 4 x 39" SHORT DECK BOARD (3-09-0015)

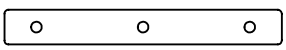
288 
9 @ 5/4 x 4 x 44 7/8" DECK BOARD (3-09-0016)

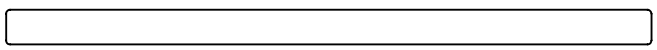
289 
1 @ 5/4 x 4 x 72" DECK RUNNER (3-09-0017)

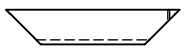
290 
1 @ 5/4 x 4 x 13" TIRE SWING BOARD (3-09-0018)

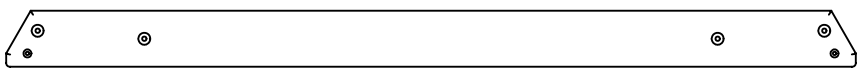
291 
1 @ 5/4 x 4 x 56 3/4" 2 HOLE FACIA (3-09-0019)

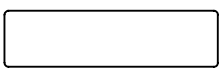
292 
1 @ 5/4 x 4 x 30" FRONT FACIA (3-09-0020)

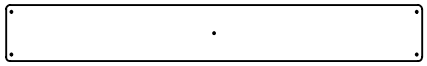
293 
6 @ 5/4 x 4 x 26" ROPE RUNG (3-09-0021)

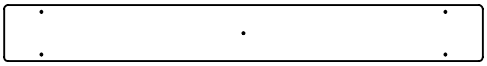
294 
1 @ 5/4 x 4 x 60 1/2" ROCK WALL RUNNER (3-09-0022)

354 
4 @ 5/4 x 4 x 16 1/4" WINDOW FRAME (3-09-0032)

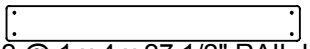
302 
2 @ 5/4 x 6 x 79 11/16" ANGLED FACIA (3-10-0005)

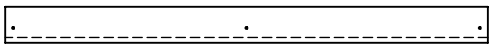
303 
4 @ 5/4 x 6 x 20" LADDER STEP (3-10-0006)

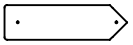
304 
2 @ 5/4 x 6 x 39" SHORT DECK BOARD (3-10-0007)

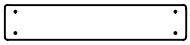
305 
4 @ 5/4 x 6 x 44 7/8" DECK BOARD (3-10-0008)

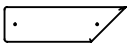
WOOD ROOF ADD-ON PARTS LIST

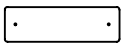
200 
2 @ 1 x 4 x 27 1/2" RAIL UPRIGHT (3-01-0037)

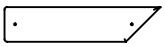
245 
42 @ 1 x 4 x 45 1/4" ROOF BOARD (3-01-0050)

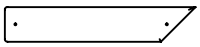
246 
4 @ 1 x 4 x 11 1/2" FAN RAY (3-01-0051)

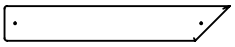
247 
2 @ 1 x 4 x 17" FAN VERTICAL (3-01-0052)

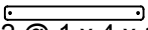
248 
4 @ 1 x 4 x 11 3/8" CABIN HORIZONTAL (3-01-0053)

249 
4 @ 1 x 4 x 10 3/4" CABIN HORIZONTAL (3-01-0054)

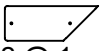
250 
4 @ 1 x 4 x 14 5/8" CABIN HORIZONTAL (3-01-0055)

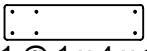
251 
4 @ 1 x 4 x 17 7/8" CABIN HORIZONTAL (3-01-0056)

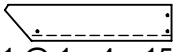
252 
4 @ 1 x 4 x 21 1/8" CABIN HORIZONTAL (3-01-0069)

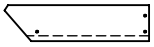
253 
2 @ 1 x 4 x 13" WINDOW HORIZONTAL (3-01-0070)

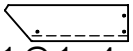
329 
4 @ 1 x 4 x 6 1/2" CHIMNEY TRIM (3-01-0092)

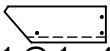
362 
2 @ 1 x 4 x 8 3/4" FAN RAY (3-01-0098)

363 
1 @ 1 x 4 x 13" FAN VERTICAL (3-01-0099)

364 
1 @ 1 x 4 x 15 5/8" LEFT DORMER BOARD (3-01-0100)

365 
1 @ 1 x 4 x 13 9/16" LEFT DORMER BOARD (3-01-0101)

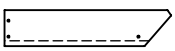
366 
1 @ 1 x 4 x 11 9/16" LEFT DORMER BOARD (3-01-0102)

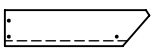
367 
1 @ 1 x 4 x 9 1/2" LEFT DORMER BOARD (3-01-0103)

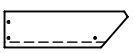
368 
1 @ 1 x 4 x 7 1/2" LEFT DORMER BOARD (3-01-0104)

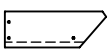
369 
1 @ 1 x 4 x 5 7/16" LEFT DORMER BOARD (3-01-0105)

370 
1 @ 1 x 4 x 3 3/8" LEFT DORMER BOARD (3-01-0106)

371 
1 @ 1 x 4 x 15 5/8" RIGHT DORMER BOARD (3-01-0107)

372 
1 @ 1 x 4 x 13 9/16" RIGHT DORMER BOARD (3-01-0108)

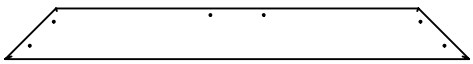
373 
1 @ 1 x 4 x 11 9/16" RIGHT DORMER BOARD (3-01-0109)

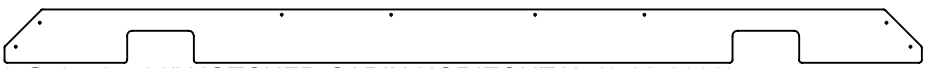
374 
1 @ 1 x 4 x 9 1/2" RIGHT DORMER BOARD (3-01-0110)

375 
1 @ 1 x 4 x 7 1/2" RIGHT DORMER BOARD (3-01-0111)

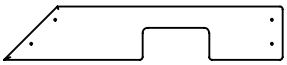
376 
1 @ 1 x 4 x 5 7/16" RIGHT DORMER BOARD (3-01-0112)

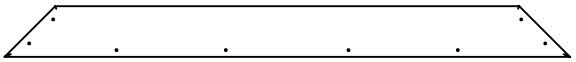
377 
1 @ 1 x 4 x 3 3/8" RIGHT DORMER BOARD (3-01-0113)

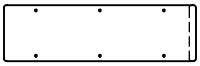
259 
2 @ 1 x 6 x 43 1/2" FAN HORIZONTAL (3-02-0019)

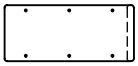
260 
1 @ 1 x 6 x 86" NOTCHED CABIN HORIZONTAL (3-02-0020)

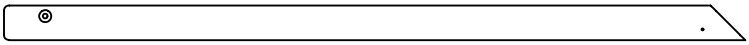
WOOD ROOF ADD-ON PARTS LIST

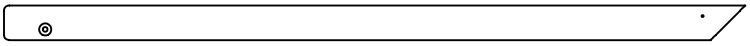
261 
2 @ 1 x 6 x 26 1/8" NOTCHED CABIN HORIZONTAL (3-02-0021)

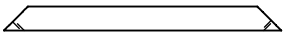
262 
2 @ 1 x 6 x 53" CABIN HORIZONTAL (3-02-0022)

378 
1 @ 1 x 6 x 18" CHIMNEY FRONT (3-02-0025)

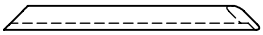
379 
1 @ 1 x 6 x 12 1/8" CHIMNEY BACK (3-02-0026)

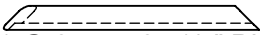
360 
2 @ 2 x 4 x 69 1/2" RIGHT ROOF SUPPORT (3-03-0048)

361 
2 @ 2 x 4 x 69 1/2" LEFT ROOF SUPPORT (3-03-0049)

355 
1 @ 2 x 4 x 26" FAN HORIZONTAL (3-03-0050)

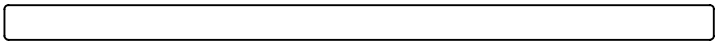
356 
1 @ 2 x 4 x 6" FAN CENTER (3-03-0051)

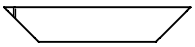
357 
1 @ 2 x 4 x 24 1/4" LEFT DORMER SUPPORT (3-03-0052)

358 
1 @ 2 x 4 x 24 1/4" RIGHT DORMER SUPPORT (3-03-0053)

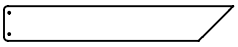
359 
1 @ 2 x 4 x 6 5/8" CHIMNEY BLOCK (3-03-0054)

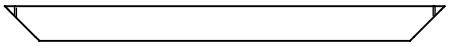
383 
2 @ 2 x 6 x 8" FAN CENTER (3-04-0005)

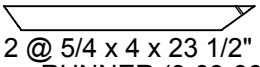
297 
2 @ 5/4 x 4 x 66 1/2" ROOF RUNNER (3-09-0025)

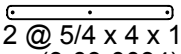
298 
6 @ 5/4 x 4 x 17 1/2" WINDOW TRIM (3-09-0026)

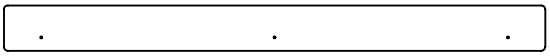
299 
2 @ 5/4 x 4 x 17 1/2" ARCHED WINDOW TRIM (3-09-0027)

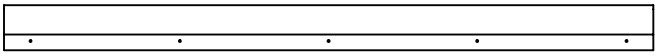
300 
2 @ 5/4 x 4 x 21 1/2" WINDOW TRIM (3-09-0028)

301 
1 @ 5/4 x 4 x 41 1/4" WINDOW TRIM (3-09-0029)

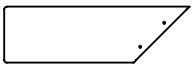
380 
2 @ 5/4 x 4 x 23 1/2" DORMER RUNNER (3-09-0033)

381 
2 @ 5/4 x 4 x 15 1/2" WINDOW VERTICAL (3-09-0034)

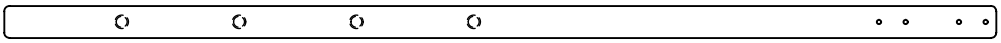
306 
4 @ 5/4 x 6 x 50 3/4" ROOF FRAME TOP/BOTTOM (3-10-0010)

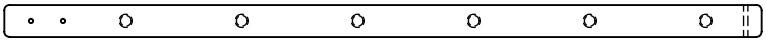
307 
4 @ 5/4 x 6 x 60 7/8" ROOF FRAME SIDE (3-10-0011)

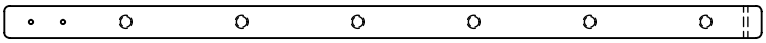
308 
2 @ 5/4 x 6 x 9 1/2" PEAK FACIA (3-10-0012)

382 
2 @ 5/4 x 6 x 17 3/8" CHIMNEY SIDE (3-10-0016)

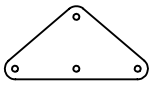
MONKEY BAR PARTS LIST

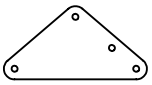
280 
2 @ 4 x 4 x 93" MONKEY BAR SUPPORT LEG (3-06-0024)

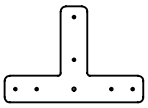
281 
1 @ 4 x 4 x 71" RIGHT MONKEY BAR ARM (3-06-0025)

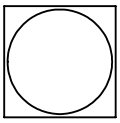
282 
1 @ 4 x 4 x 71" LEFT MONKEY BAR ARM (3-06-0026)

PARTS IDENTIFICATION

N10 
1 @ SWING BEAM PLATE
(5-35-0092)

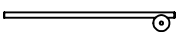
N11 
4 @ MONKEY BAR PLATE
(5-35-0093)

N33 
1 @ T-BRACKET
(5-35-0087)

N168 
1 @ BUBBLE PANEL
(5-42-0062)

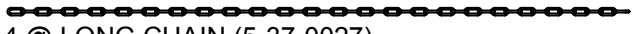
N8 
1 @ SMALL 90° BRACKET
(5-35-0089)

N171 
2 @ 90° SWING BEAM
BRACKET (5-35-0095)

N28 
6 @ REBAR STAKE
(5-47-0033)

N38 
2 @120° BRACKET
(5-35-0044)

N170 
1 @45° BRACKET
(5-35-0094)

N13 
4 @ LONG CHAIN (5-37-0027)

N25 
1 @ TIRE SWIVEL
(5-45-0008)

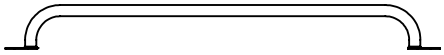
N26 
6 @ SWING HANGER
(5-45-0012)

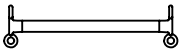
N12 
5 @ SHORT CHAIN (5-37-0026)

N31 
4 @ PEAR QUICK LINK
(5-47-0045)

N30 
4 @ C-LINK
(5-47-0044)

N27 
9 @ SPRING CLIP
(5-47-0023)

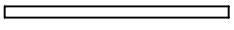
N6 
3 @ CASTLE LADDER HANDLE (5-33-0103)

N18 
1 @ TRAPEZE BAR
(5-40-0063)

N15 
2 @ SLING SWING
(5-40-0034)

N73
2 @ SMALL BOLT CUP
(5-47-0035)

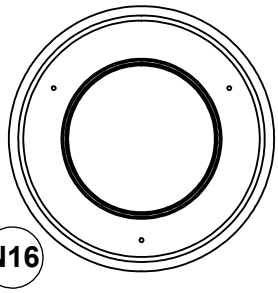
N5 
4/2 @ SAFETY HANDLE
(5-33-0102)

N3 
5/10 @ 21" PIPE (5-31-0137)

N29 
14 @ 3/8" BOLT CUP
(5-47-0043)

N14 
2 @ TRAPEZE RING
(5-40-0056)

PARTS IDENTIFICATION



N16

1 @ TIRE (5-40-0047)

N174

3 @ TTT ROD (5-41-0048)

N172

9 @ TTT CYLINDER
(5-41-0048)

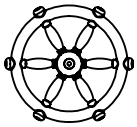
N173

2 @ TTT SPACER
(5-41-0048)

N22

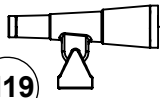
16 @ ROCK
(5-42-0030)

N20



1 @ SHIP'S WHEEL
(5-41-0021)

N19



1 @TELESCOPE
(5-41-0020)

N83

1 @ RAINBOW PLAQUE
(5-42-0028)

PARTS NOT SHOWN

N41 1@ TARP (5-22-0238/5-22-0242)

N24 1@ DOUBLE WALL SLIDE (5-44-0139)

N2 3@ 14' ROPE (5-20-0279)

N1 1@ 12' ROPE (5-20-0124)

N167 1@ CHALKBOARD w/CHALK AND ERASER (5-20-0134)

N169 1@ 4 Chain Tire Swing

N17 1@ Half Bucket Swing (designed for children ages 3-5)

Carnival Monkey Bar Hardware List

F/N#	DESCRIPTION	DIMENSION	QTY
H3	Flat Washer	3/8"	10
H4	Flat Washer	1/2"	2
H11	Lock Washer	3/8"	10
H17	Standard Nut	3/8"	2
H28	Acorn Nut	3/8"	2
H30	Round Pallet Nut	3/8"	8
H55	Carriage Bolt	3/8" x 6"	2
H128	Hex Bolt	3/8" x 3"	8
H167	Phillips Pan Head Tap Screw	#14 x 2"	4

Carnival Castle Base Hardware List

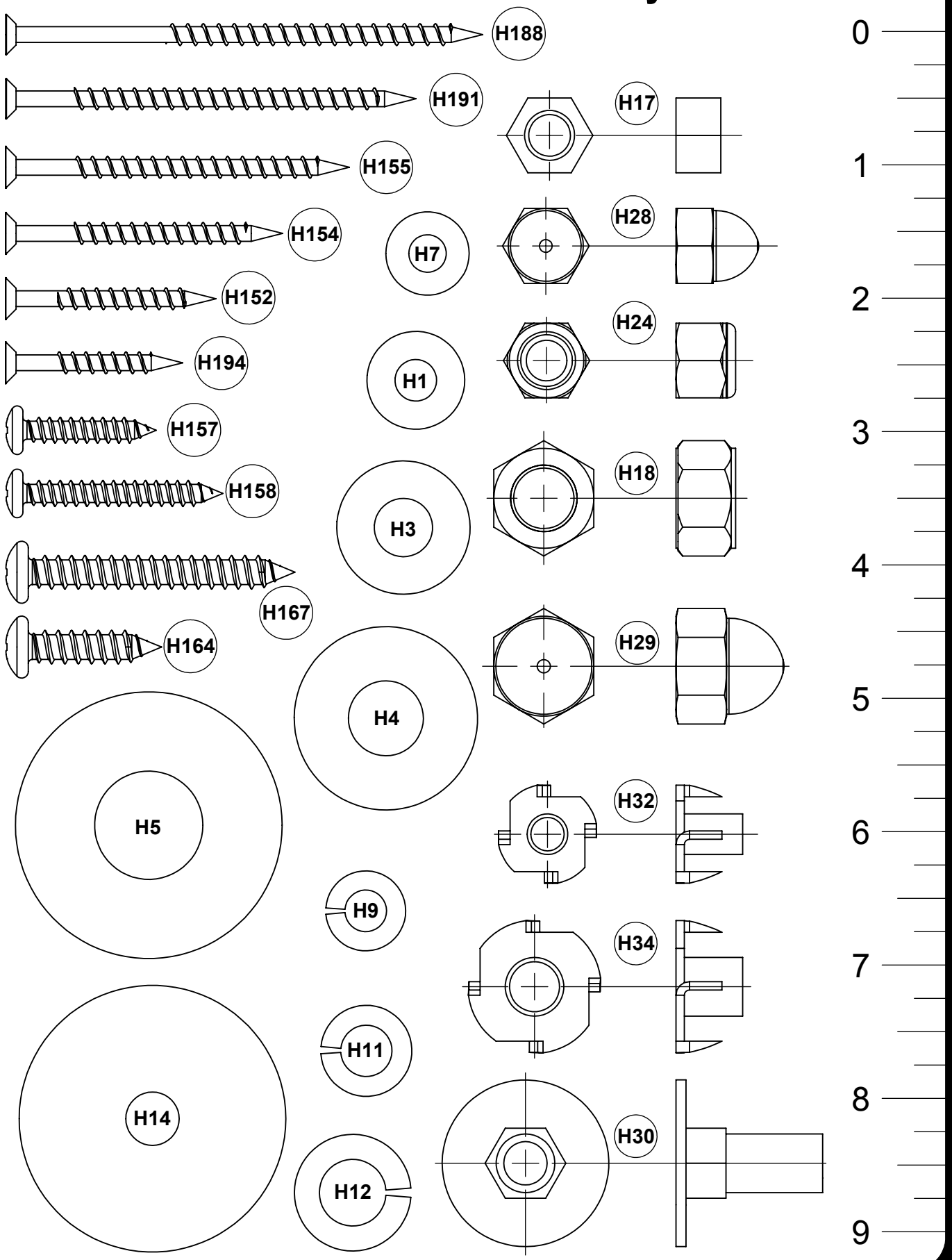
F/N#	DESCRIPTION	DIMENSION	QTY
H1	Flat Washer	1/4"	21
H3	Flat Washer	3/8"	60
H4	Flat Washer	1/2"	17
H5	Flat Washer	3/4"	2
H7	SAE Washer	1/4"	68
H11	Lock Washer	3/8"	40
H12	Lock Washer	1/2"	2
H14	Fender Washer	3/8"	6
H17	Standard Nut	3/8"	16
H18	Standard Nut	1/2"	2
H24	Nylock Nut	3/8"	15
H28	Acorn Nut	3/8"	28
H29	Acorn Nut	1/2"	2
H30	Round Pallet Nut	3/8"	6
H32	4 Prong T-Nut	1/4"	32
H34	4 Prong T-Nut	3/8"	8
H50	Carriage Bolt	3/8" x 3 1/2"	2
H55	Carriage Bolt	3/8" x 6"	10
H56	Carriage Bolt	3/8" x 6 1/2"	2
H60	Carriage Bolt	3/8" x 8 1/2"	1
H64	Carriage Bolt	1/2" x 3"	2
H93	Lag Bolt	1/4" x 2"	6
H100	Lag Bolt	1/4" x 4 1/2"	4
H108	Lag Bolt	5/16" x 3"	19
H116	Lag Bolt	3/8" x 3 1/2"	6
H117	Lag Bolt	3/8" x 4"	8
H119	Lag Bolt	3/8" x 5"	5
H126	Hex Bolt	3/8" x 2"	2
H129	Hex Bolt	3/8" x 3 1/2"	3
H132	Hex Bolt	3/8" x 5"	8
H135	Hex Bolt	3/8" x 6 1/2"	12
H139	Hex Bolt	3/8" x 9"	1
H140	Hex Bolt	3/8" x 10"	1
H194	Phillips Wood Screw	#8 x 1 1/4"	72
H152	Phillips Wood Screw	#8 x 1 1/2"	114
H154	Phillips Wood Screw	#8 x 2"	16
H155	Phillips Wood Screw	#8 x 2 1/2"	80
H191	Phillips Wood Screw	#8 x 3"	16
H158	Phillips Pan Head Tap Screw	#10 x 1 1/2"	8
H164	Phillips Pan Head Tap Screw	#14 x 1"	24
H167	Phillips Pan Head Tap Screw	#14 x 2"	14
H192	Phillips Pan Head Machine Screw	1/4" x 1 1/2"	32
H183	Snap Screw	#10 x 1"	8
H184	Eye Bolt	3/8" x 3"	3

Carnival Castle Wood Roof Hardware List

F/N#	DESCRIPTION	DIMENSION	QTY
H1	Flat Washer	1/4"	8
H3	Flat Washer	3/8"	4
H11	Lock Washer	3/8"	4
H34	4 Prong T-Nut	3/8"	4
H108	Lag Bolt	5/16" x 3"	8
H130	Hex Bolt	3/8" x 4"	4
H194	Phillips Wood Screw	#8 x 1 1/4"	278
H152	Phillips Wood Screw	#8 x 1 1/2"	134
H154	Phillips Wood Screw	#8 x 2"	24

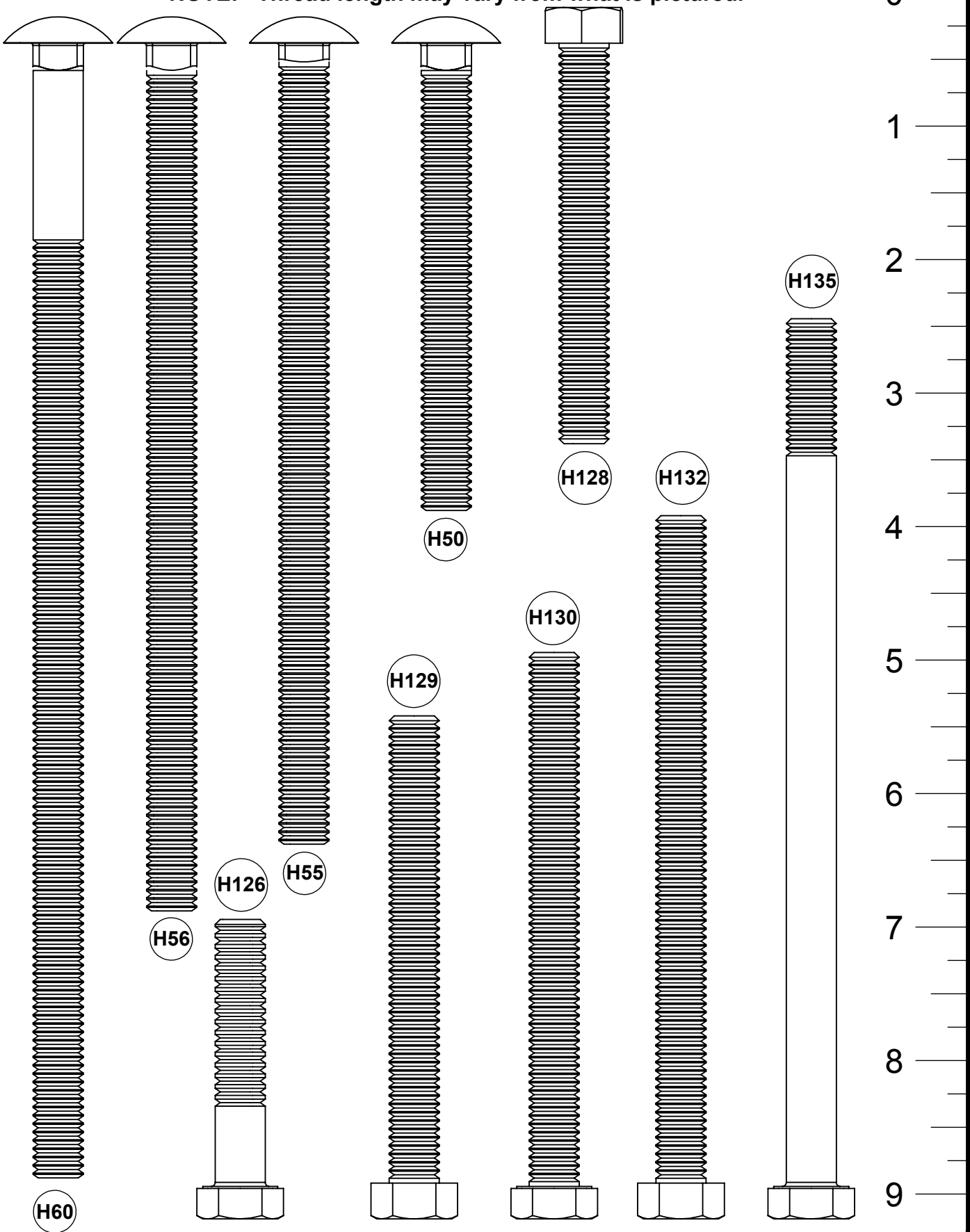
NOTE: EXTRA HARDWARE IS INCLUDED IN THE BAGS.
NOT ALL HARDWARE WILL BE USED TO COMPLETE THE INSTALLATION.

Hardware for Assembly



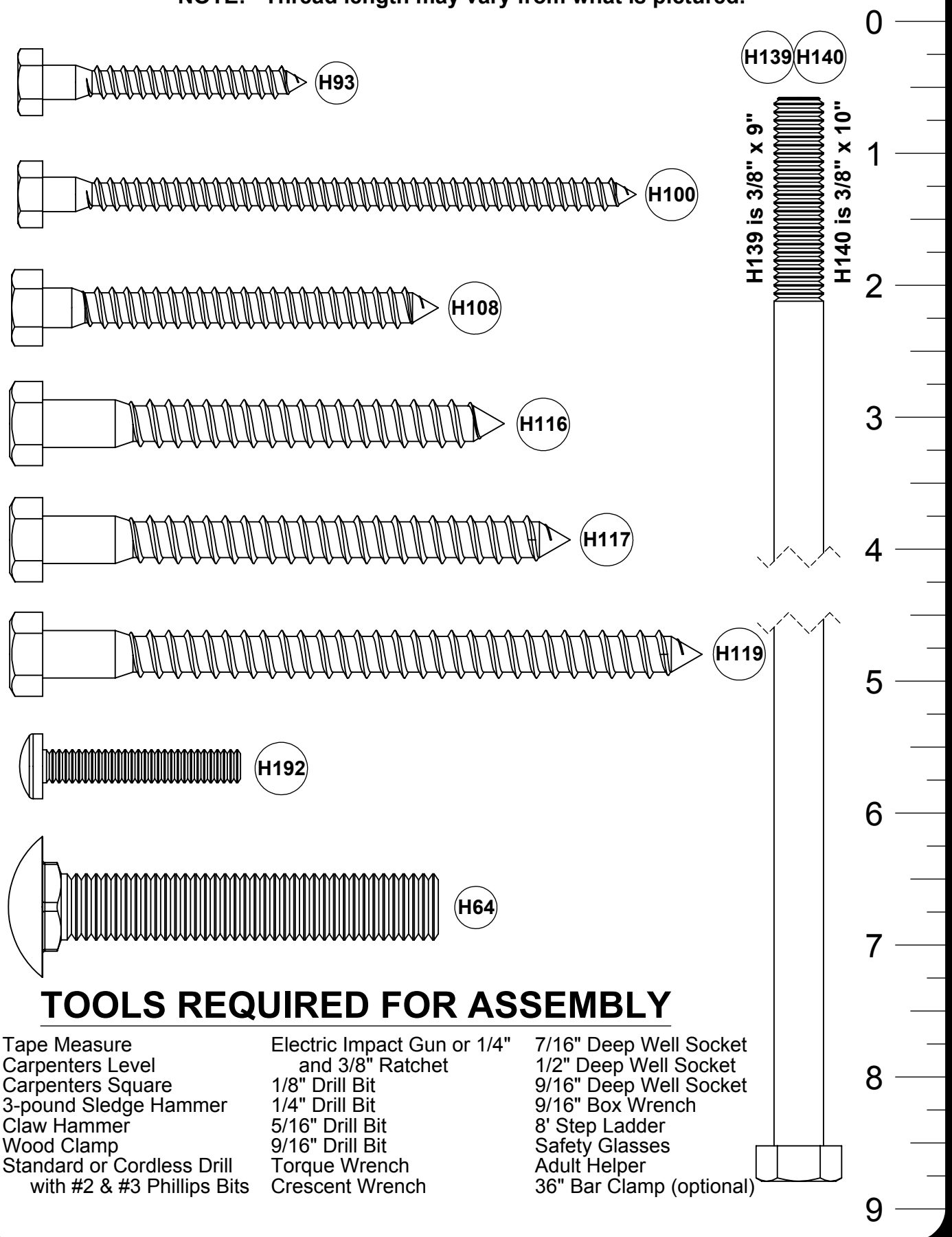
Hardware for Assembly

***NOTE: Thread length may vary from what is pictured.**



Hardware for Assembly

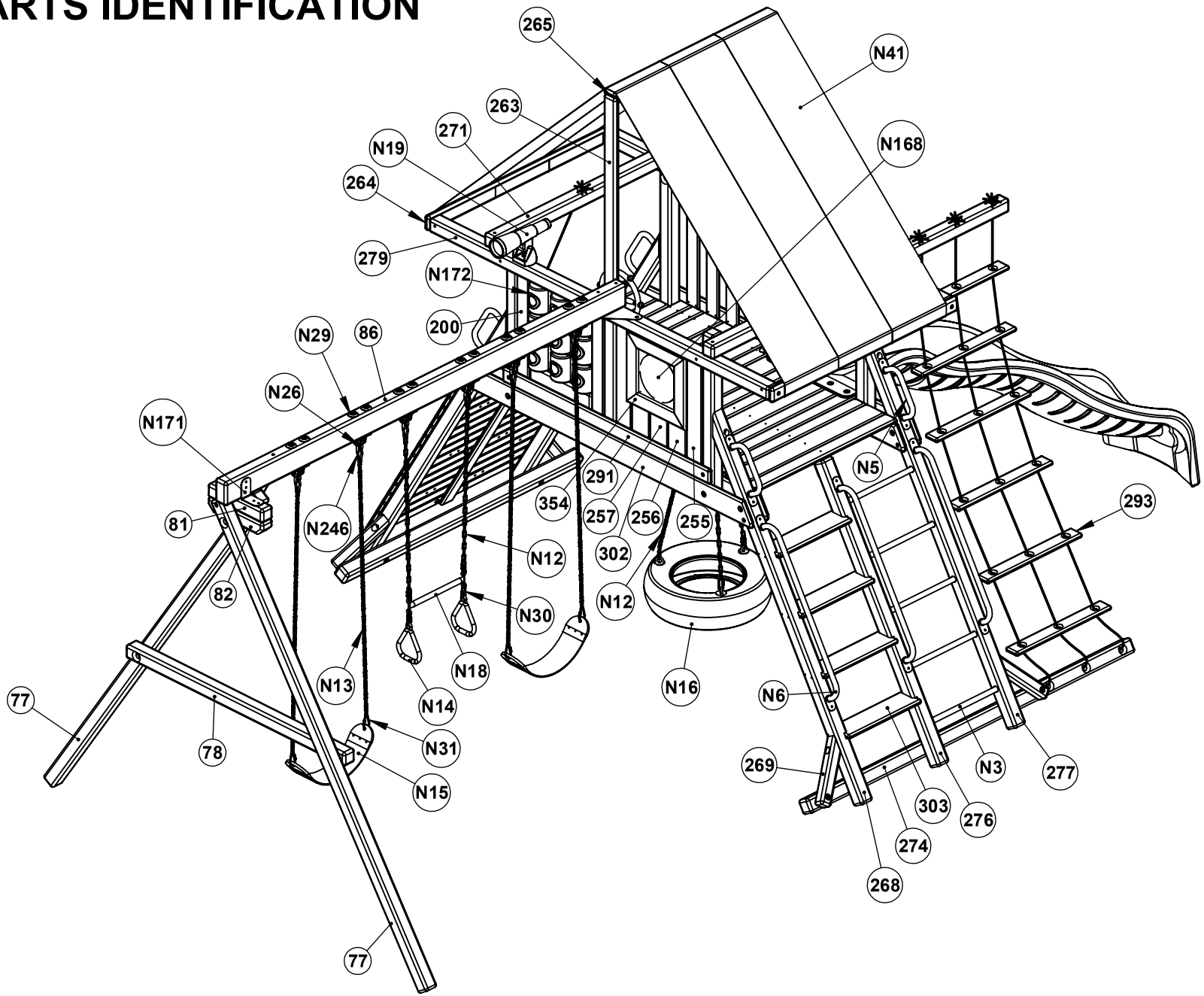
***NOTE: Thread length may vary from what is pictured.**



TOOLS REQUIRED FOR ASSEMBLY

Tape Measure
Carpenters Level
Carpenters Square
3-pound Sledge Hammer
Claw Hammer
Wood Clamp
Standard or Cordless Drill with #2 & #3 Phillips Bits
Electric Impact Gun or 1/4" and 3/8" Ratchet
1/8" Drill Bit
1/4" Drill Bit
5/16" Drill Bit
9/16" Drill Bit
Torque Wrench
Crescent Wrench
7/16" Deep Well Socket
1/2" Deep Well Socket
9/16" Deep Well Socket
9/16" Box Wrench
8' Step Ladder
Safety Glasses
Adult Helper
36" Bar Clamp (optional)

PARTS IDENTIFICATION



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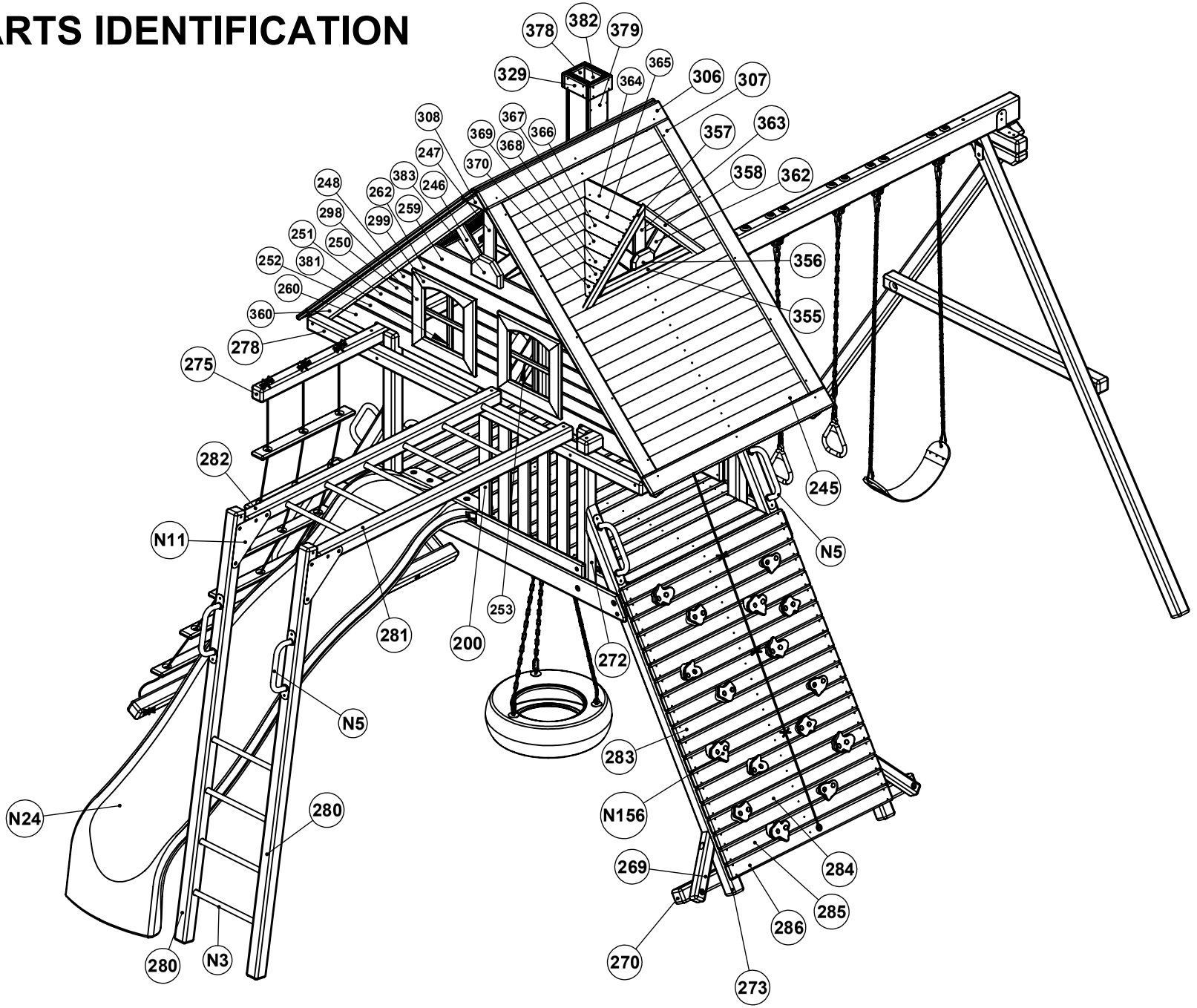


Step 1

Rung Ladder Assembly

1. Place Castle Rung Ladder Leg **(277)** on a flat surface with the pipe holes facing up. Remove any objects from underneath the Castle Rung Ladder Leg to prevent scarring of the wood.

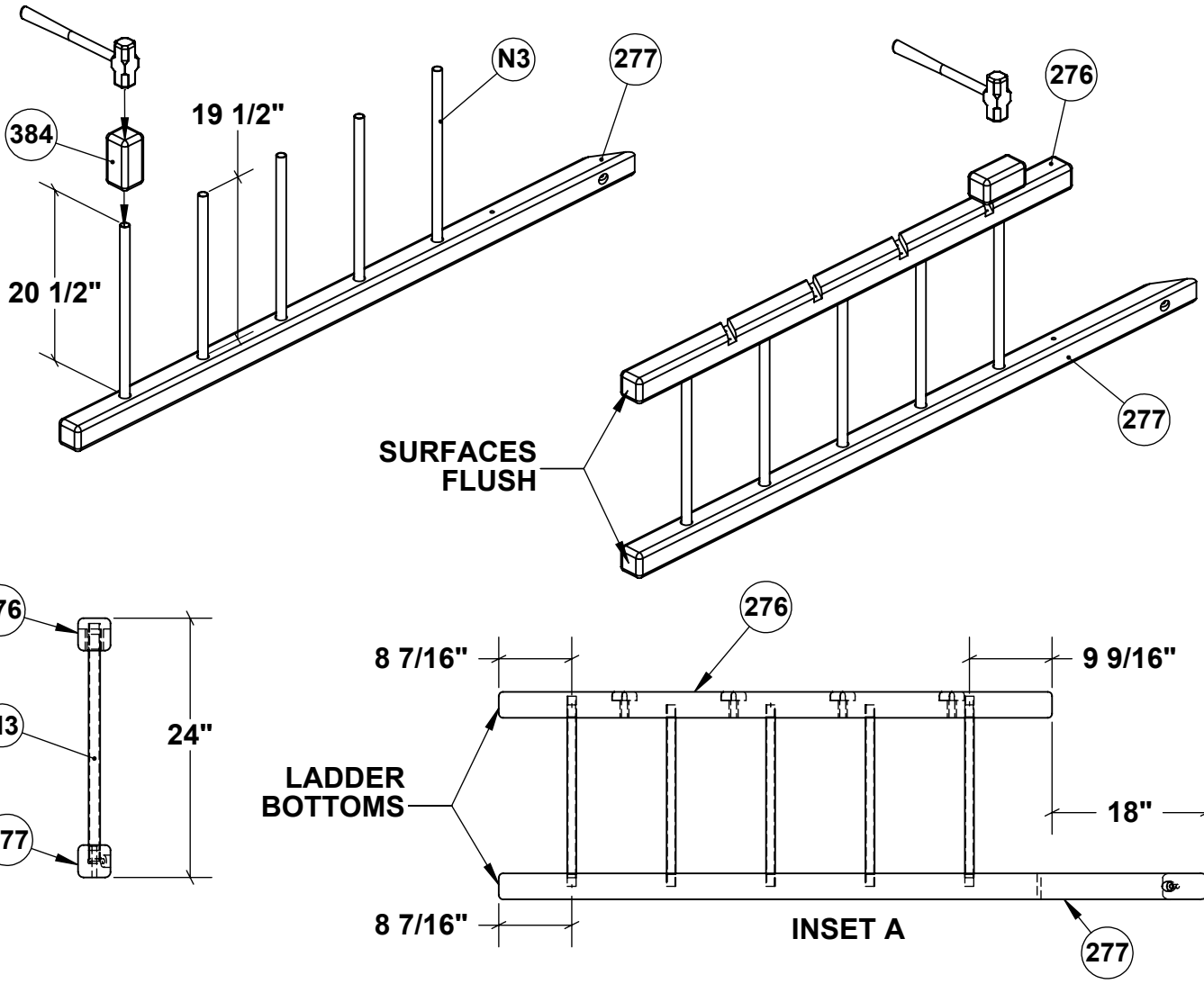
   ***NOTE: Do not directly hit the wood or the Ladder Pipes (N3) with a hammer. Use Pipe Block (384) with a 3-pound (or larger) sledge hammer.**

2. Using Pipe Block **(384)** and a sledge hammer, pound each Ladder Pipe **(N3)** into the Castle Rung Ladder Leg **(277)**. Pound the inside three Ladder Pipes **(N3)** into the wood so they protrude approximately **19 1/2"** from the wood and the outside two Ladder Pipes **(N3)** approximately **20 1/2"** from the wood.

   ***NOTE: Ensure Middle Step/Rung Ladder Leg (276) is oriented properly (as shown in INSET A). The centers of the first rung holes from Ladder Bottoms should measure 8 7/16".**

   ***SUGGESTION: Use a bar clamp to hold ladder together while pounding on second ladder leg.**

3. Position Middle Step/Rung Ladder Leg **(276)** on top of the installed Ladder Pipes **(N3)**. Using a sledge hammer, pound the Middle Step/Rung Ladder Leg **(276)** onto the Ladder Pipes **(N3)**. When properly assembled, the ladder should have a width of **24"**.



Step 2

Step/Rung Ladder Installation

***NOTE: Pre-drill holes for all Lag Bolts with the appropriate drill bit. Use a 1/4" drill bit for 3/8" hardware (H116) (H117) (H119).**

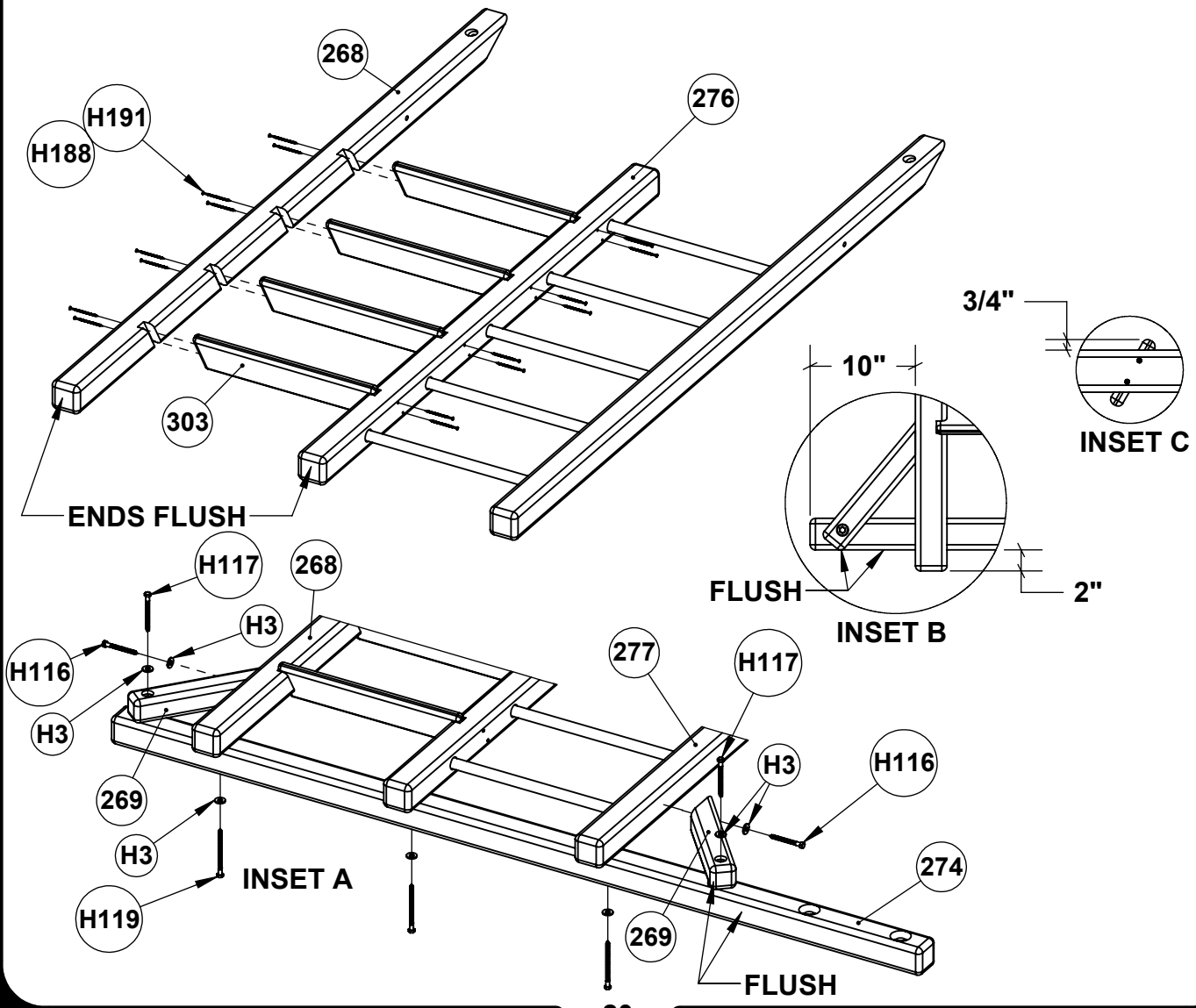
1. Attach Ladder Steps **(303)** to the Middle Step/Rung Combo Leg **(276)** and Castle Step Ladder Leg **(268)** using #8 Hardware **(H191)** or **(H188)**.

   ***NOTE: Ladder Steps (303) should be centered in slots, with approximately 3/4" overhang on both sides of the legs.**

   ***NOTE: The bottom end faces of the Ladder Legs should be flush. The final assembly width must be 45".**

2. Position the Lower Rope Runner **(274)** on the backside of the assembled ladder approximately **2"** up from the bottom of the Ladder Legs (as shown in Insets A and B). The Lower Rope Runner **(274)** should overhang the Left Ladder Leg **10"** (as shown in Inset B). Attach Lower Rope Runner **(268)** to the Ladder Legs using 3/8" Hardware **(H3) (H119)**.

3. Position Angled Braces **(269)** with the angled surface flat against the side of the Ladder Legs **(268) (277)** and the bottom edge of the Angled Braces **(269)** flush with the bottom face of the Lower Rope Runner (as shown in Inset A and B). Attach Angled Braces to Ladder Legs using 3/8" Hardware **(H3) (H116)** and to Lower Rope Runner **(274)** using 3/8" Hardware **(H3) (H117)**.

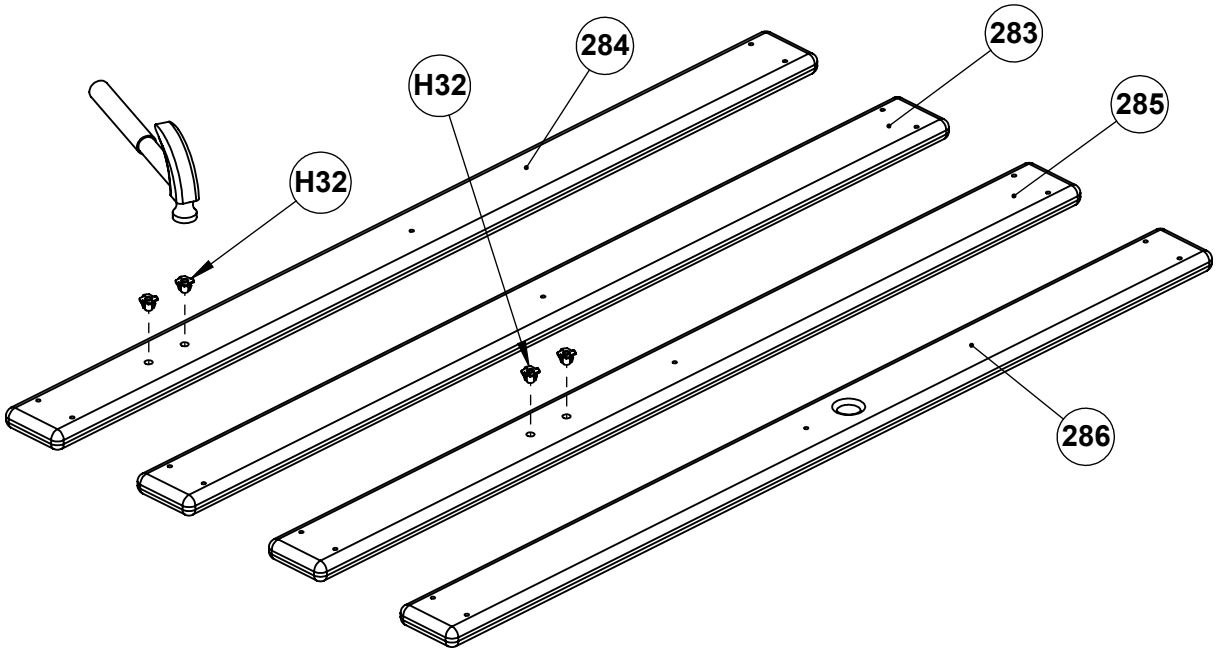


Step 3

Rock Wall Board Hardware Installation

***NOTE: Position Rock Wall Boards (284) (285) with the best surface down.**

1. Position Rock Wall Boards **(284) (285)** on a flat surface and place 1/4" Hardware **(H32)** into the pre-drilled holes. Use a hammer or rubber mallet to gently tap the hardware into place if needed.

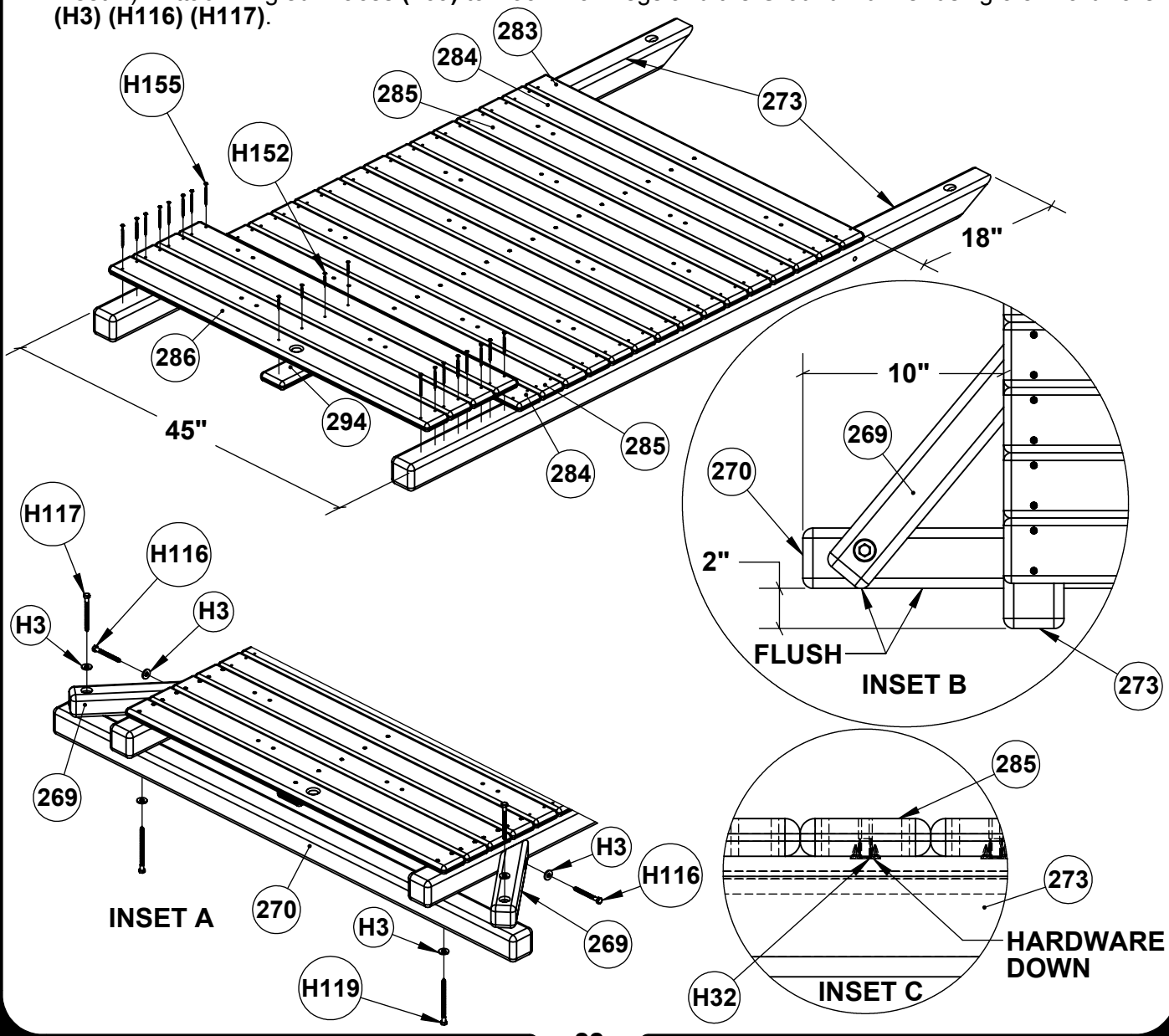


Step 4

Rock Wall Assembly

***NOTE: Pre-drill holes for all Lag Bolts with appropriate drill bit.**

1. Place Rock Wall Legs **(273)** on a flat surface with ends flush. Rock Wall Legs should be **45"** apart from outside face to outside face.
   ***NOTE: 1/4" Hardware (H32) that was installed in Rock Wall Boards in Step 3 must face down (as shown in INSET C).**
2. Starting **18"** down from the angled edge of Rock Wall Legs **(273)**, position Rock Wall Boards **(283) (284) (285) (286)** in the pattern shown and attach to Rock Wall Legs using #8 Hardware **(H155)**. Do not attach top Rock Wall Board **(283)** at this time (for ease of assembly in Step 5).
   ***NOTE: The #8 Screws (H152) used to attach Rockwall Runner are shorter than the #8 Screws (H155) that are used for the Rock Wall Legs.**
3. Center Rock Wall Runner **(294)** under middle holes in Rock Wall Boards, **1/2"** up from the bottom of the Rock Wall Board w/Rope Hole **(286)**, and attach to Rock Wall Boards using #8 Hardware **(H152)**.
4. Position Ground Runner **(270) 2"** up from the bottom face of Rock Wall Legs **(273)** (as shown in INSET B). Approximately **10"** of the Ground Runner **(270)** should extend out past the outside face of the Rock Wall Legs. Attach Ground Runner to Rock Wall Legs using 3/8" Hardware **(H3) (H119)**.
5. Position Angled Braces **(269)** with the angled surface flat against the side of the Rock Wall Legs and the bottom edge of the Angled Braces flush with the bottom face of the Ground Runner (as shown in Inset B). Attach Angled Braces **(269)** to Rock Wall Legs and the Ground Runner using 3/8" Hardware **(H3) (H116) (H117)**.

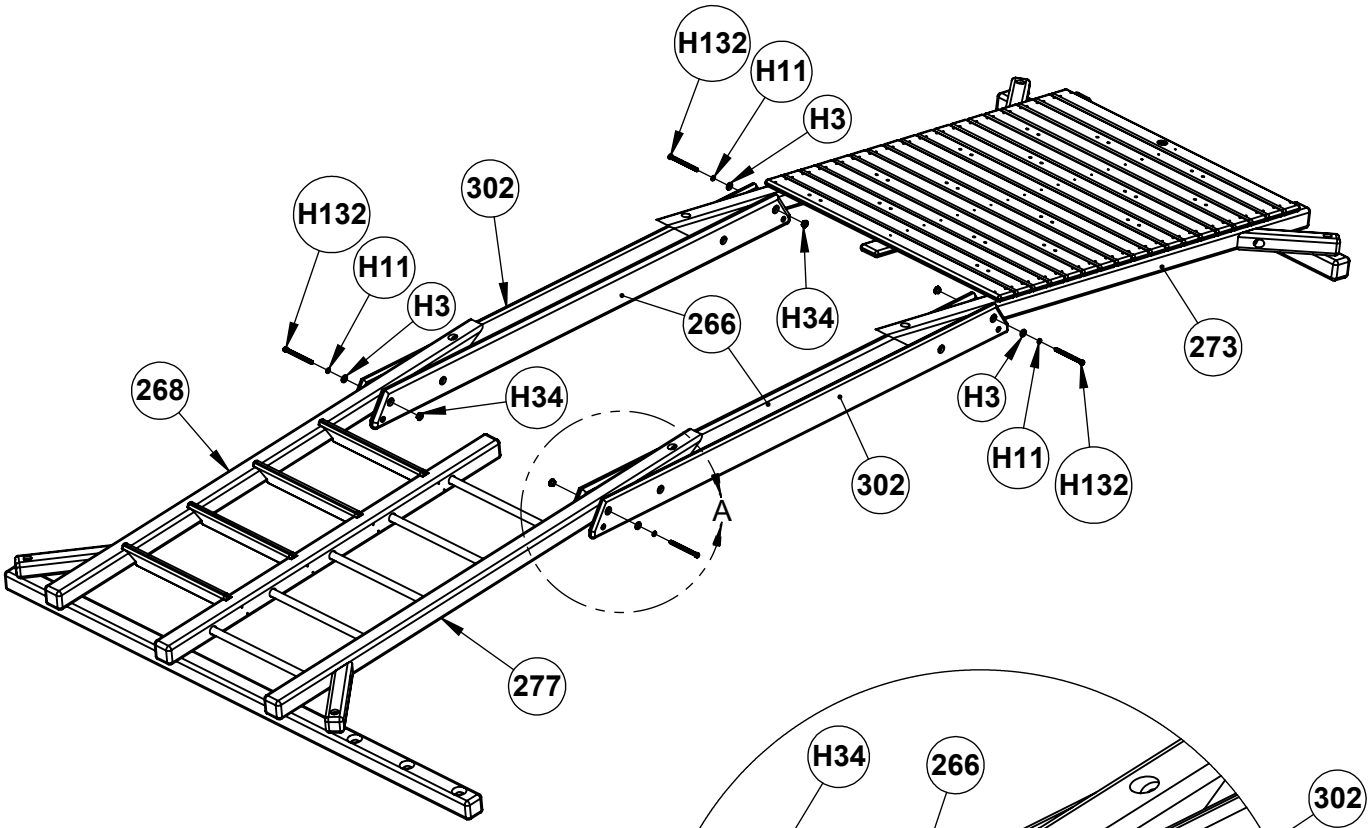


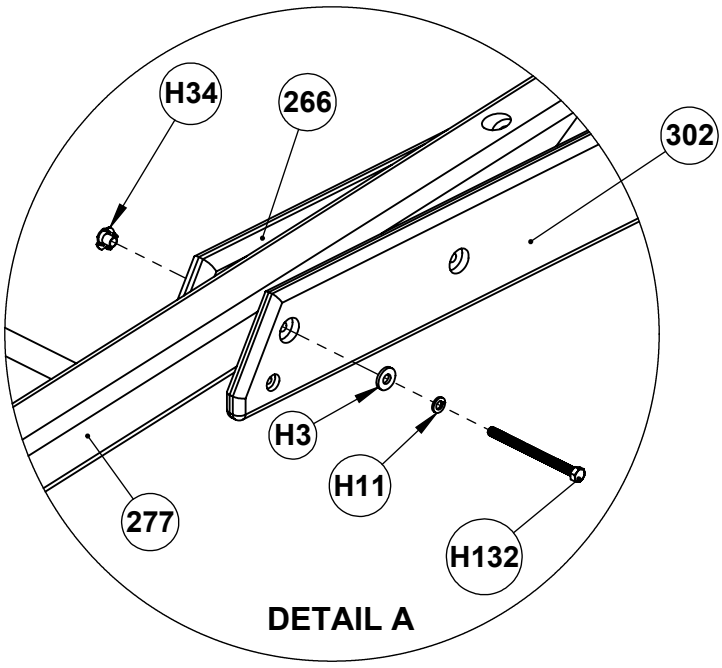
Step 5

Main Beam, Facia, and Ladder Assembly

***NOTE: Hardware should not be fully tightened at this time.**

1. On a flat surface, position Main Beams **(266)**, Angled Facias **(302)**, and previously assembled ladders as shown and attach using 3/8" Hardware **(H3) (H11) (H34) (H132)**. Ladders, Main Beams, and Angled Facias must be positioned as shown.



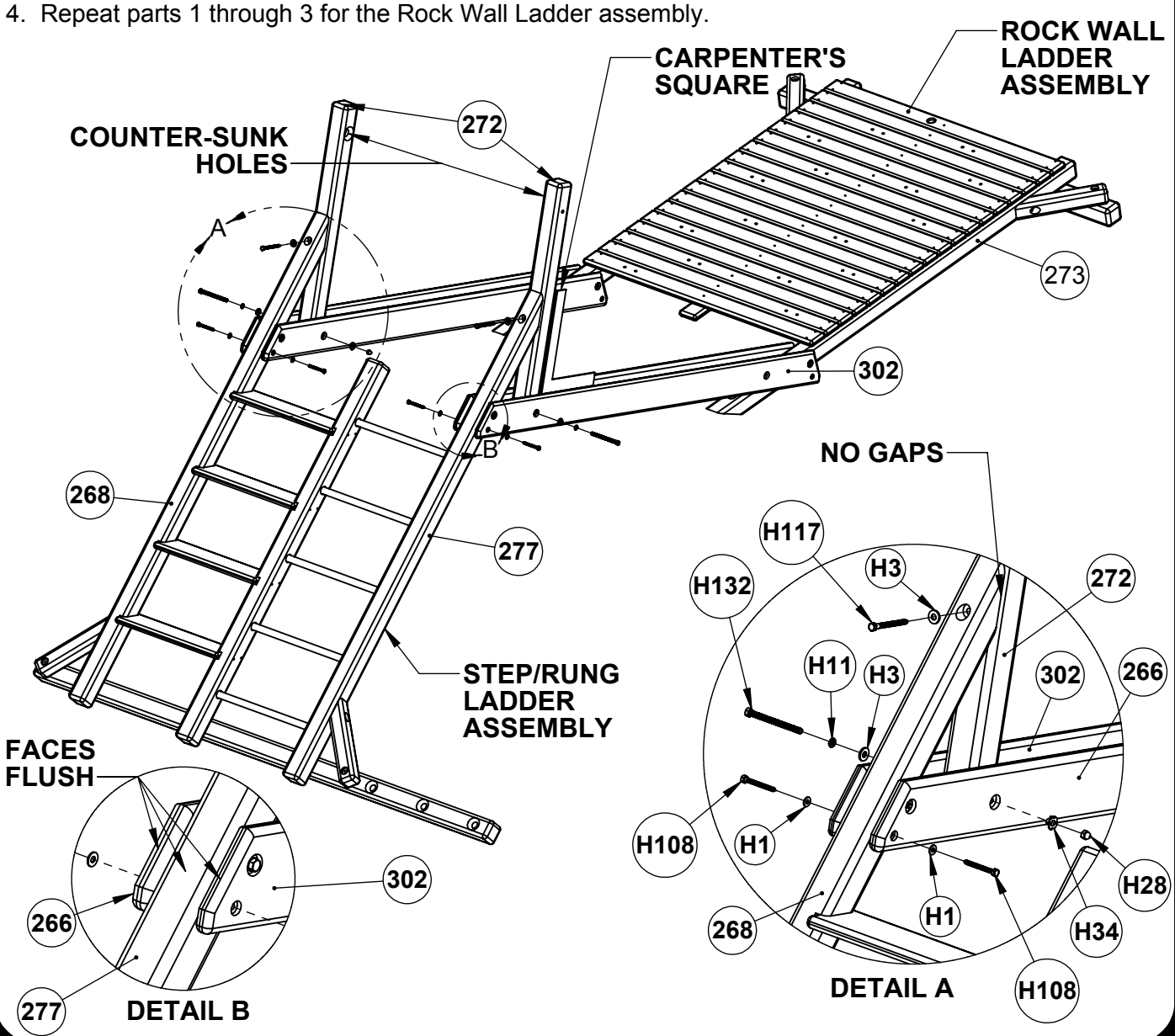


Step 6

Main Beam, Facia, and Ladder Assembly

***NOTE: This step requires two or more people to complete.**
***NOTE: For ease of assembly, have all required parts and hardware in close proximity.**
***NOTE: Pre-drill holes for all Lag Bolts with the appropriate drill bit.**
***NOTE: Do not fully tighten hardware at this time.**
***NOTE: 3/8" Hardware (H28) is shown but will not be installed until Step 8.**

1. Pick up on the Step/Rung Ladder assembly so the outside faces of the Ladder Legs **(268) (277)** are flush with the angled faces of Angled Facias **(302)** and Main Beams **(266)** (as shown in DETAIL B).
2. Position Corner Uprights **(272)** between Main Beams and Angled Facias with counter-sunk holes facing one another, and attach to Facias and Main Beams using 3/8" Hardware **(H3) (H11) (H34) (H132)** (as shown in DETAIL A).
   ***NOTE: Use a carpenter's square to ensure Corner Uprights (272) are square with Facias and Main Beams.**
3. Finish securing the Ladder assembly by attaching Ladder Legs **(268) (277)** to Facias, Main Beams, and Corner Uprights using 1/4" Hardware **(H1)**, 5/16" Hardware **(H108)**, and 3/8" Hardware **(H3) (H117)** (as shown in DETAIL A). Gaps between Corner Uprights **(272)** and Ladders Legs should be minimal.
4. Repeat parts 1 through 3 for the Rock Wall Ladder assembly.

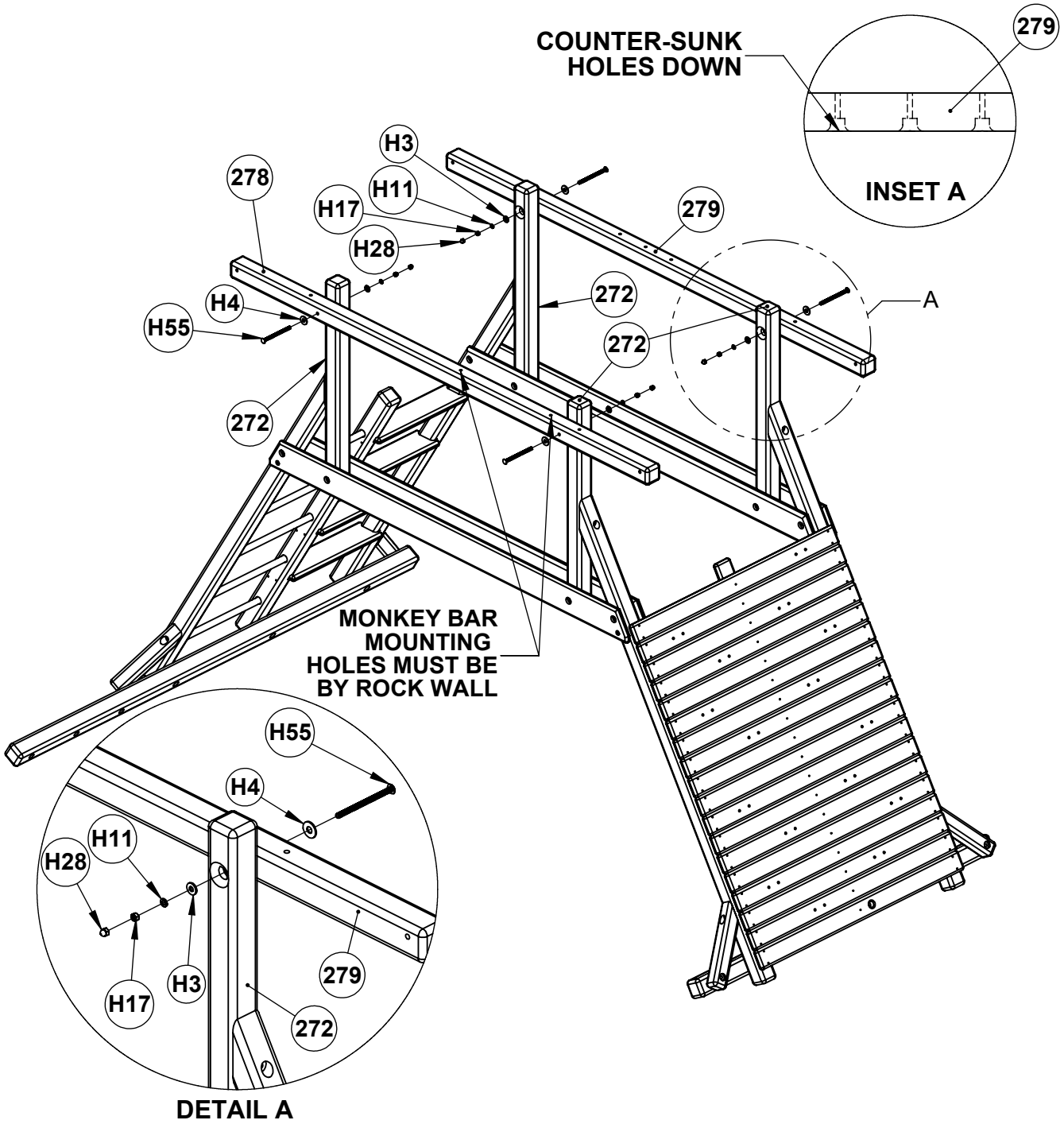


Step 7

Top Joists Installation

***NOTE: Do not fully tighten hardware at this time.**
***NOTE: 3/8" Hardware (H28) is shown in this step, but will not be installed until Step 8.**
***NOTE: The counter-sunk holes in Top Joists (278) and (279) must face down (as shown in INSET A).**

1. Attach Top Joist with Monkey Bar Holes **(278)** and Top Joist with Swing Beam Holes **(279)** to Corner Posts **(272)** using 3/8" Hardware **(H3) (H11) (H17) (H55)** and 1/2" Hardware **(H4)**. Top Joist with Monkey Bar Holes **(278)** must be positioned so the Monkey Bar holes are on the side of the set by the Rock Wall.



Step 8

Front Beam and Upper Rope Arm Installation

***NOTE: Do not fully tighten hardware at this time.**

1. Attach Front Beam **(271)** to Top Joists **(278) (279)** using 3/8" Hardware **(H3) (H11) (H17) (H28) (H55)** and 1/2" Hardware **(H4)**. Front Beam **(271)** must be located on the side of the set with the Rock Wall.

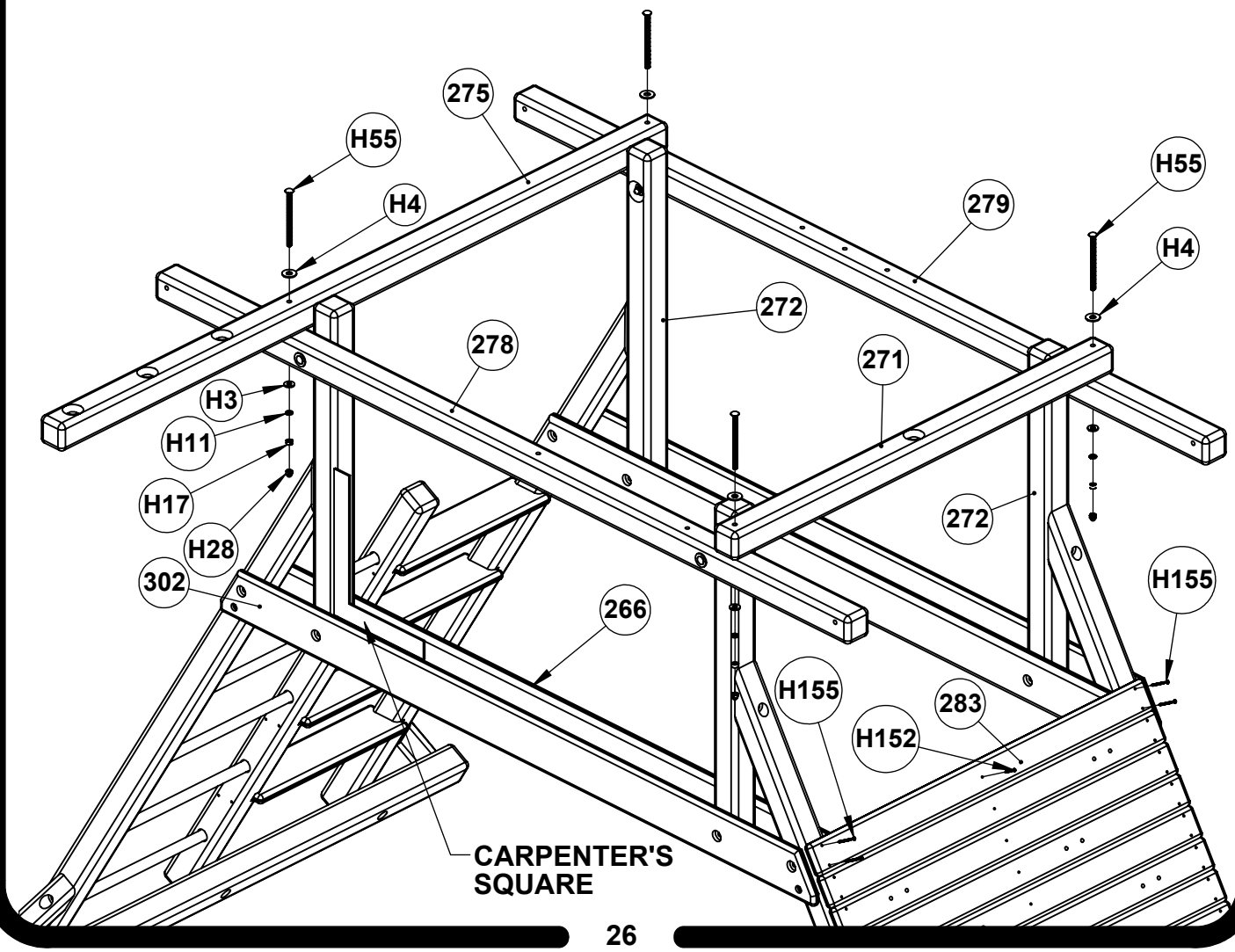
2. Position Upper Rope Arm **(275)** on top of Top Joists on the side of the set with the Lower Rope Runner. Attach Upper Rope Arm **(275)** to Top Joists using 3/8" Hardware **(H3) (H11) (H17) (H55)** and 1/2" Hardware **(H4)**.

3. Use a carpenter's square to verify that the Corner Uprights **(272)**, Main Beams **(266)**, Angled Facias **(302)**, Top Joists **(278) (279)**, Upper Rope Arm **(275)**, and Front Beam **(271)** are all square with one another. Loosen hardware to adjust as needed.

4. Tighten all hardware from this step and the previous steps.

5. Attach 3/8" Hardware **(H28)** to the hardware in Steps 6-8.

6. Attach final Rock Wall Board **(283)** to Rock Wall Legs and Rock Wall Runner using #8 Hardware **(H152) (H155)**.



Step 9

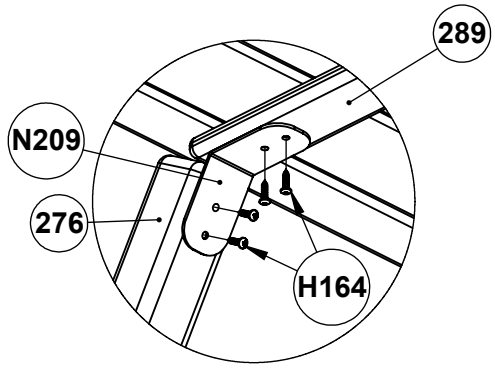
Deck Installation

1. Place all Deck Boards **(287) (304) (288) (305)** across the Main Beams in the order shown and space Deck Boards out evenly. Pre-drilled holes should line up in the center of the Main Beams **(266)**.

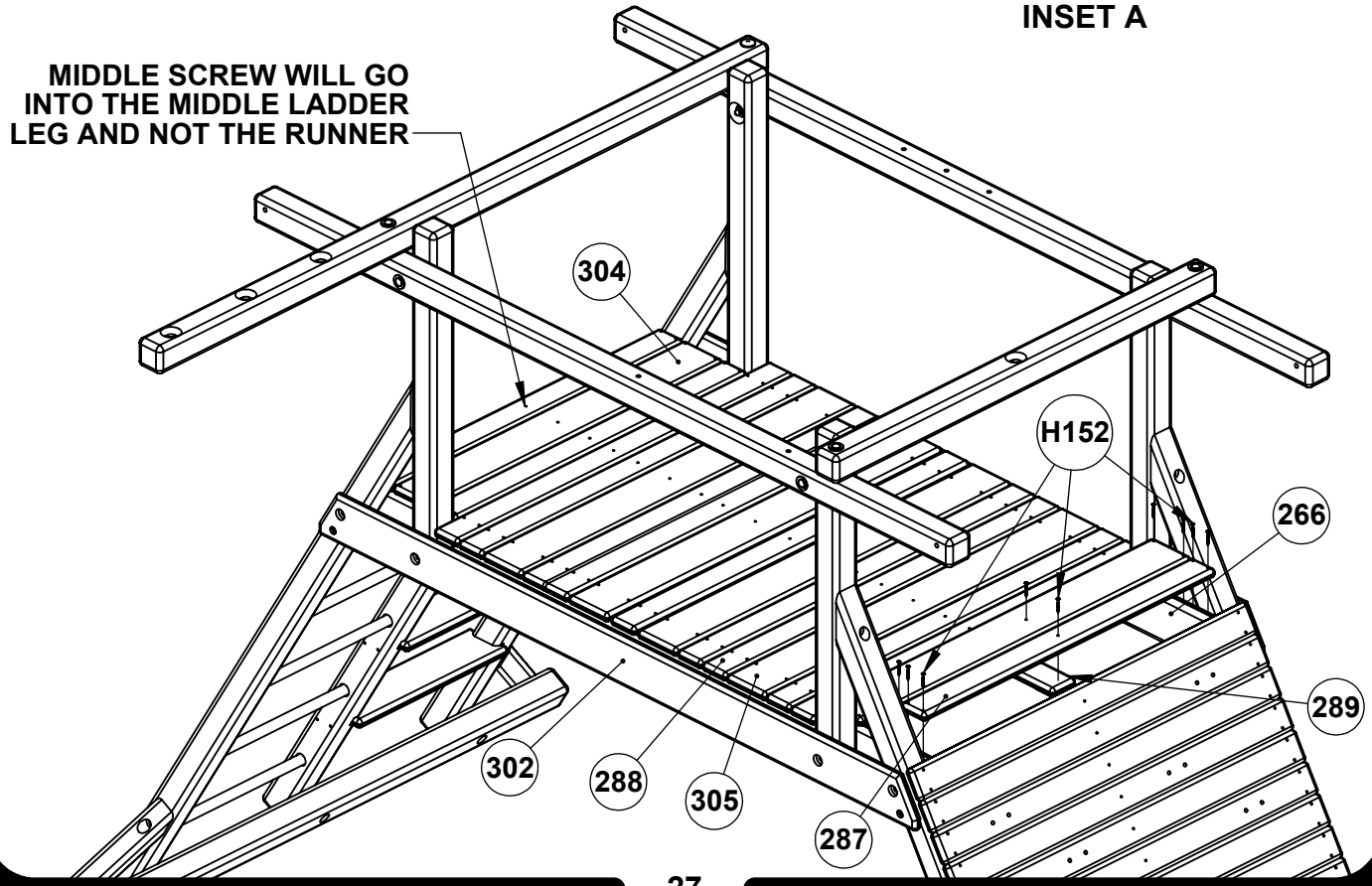
2. Attach Deck Boards **(287) (304) (288) (305)** to Main Beams **(266)** using #8 Hardware **(H152)**.

3. Center Deck Runner **(289)** under middle holes in Deck Boards and attach Runner using #8 Hardware **(H152)**.

4. Attach 120˚ Ladder Brackets **(N209)** to Deck Runner **(289)**, Middle Ladder Leg **(276)** and Rock Wall Runner **(294)** using #14 Hardware **(H164)** (as shown in INSET A).



INSET A



Step 10

Facia and Center Post Installation

***NOTE: Pre-drill holes for all Lag Bolts with the appropriate drill bit.**

1. Position Front Facia **(292)** and 2 Hole Facia **(291)** on top of Angled Facias **(302)**. Front Facia **(292)** should be located on the side of the set under the Monkey Bar Holes as shown below.

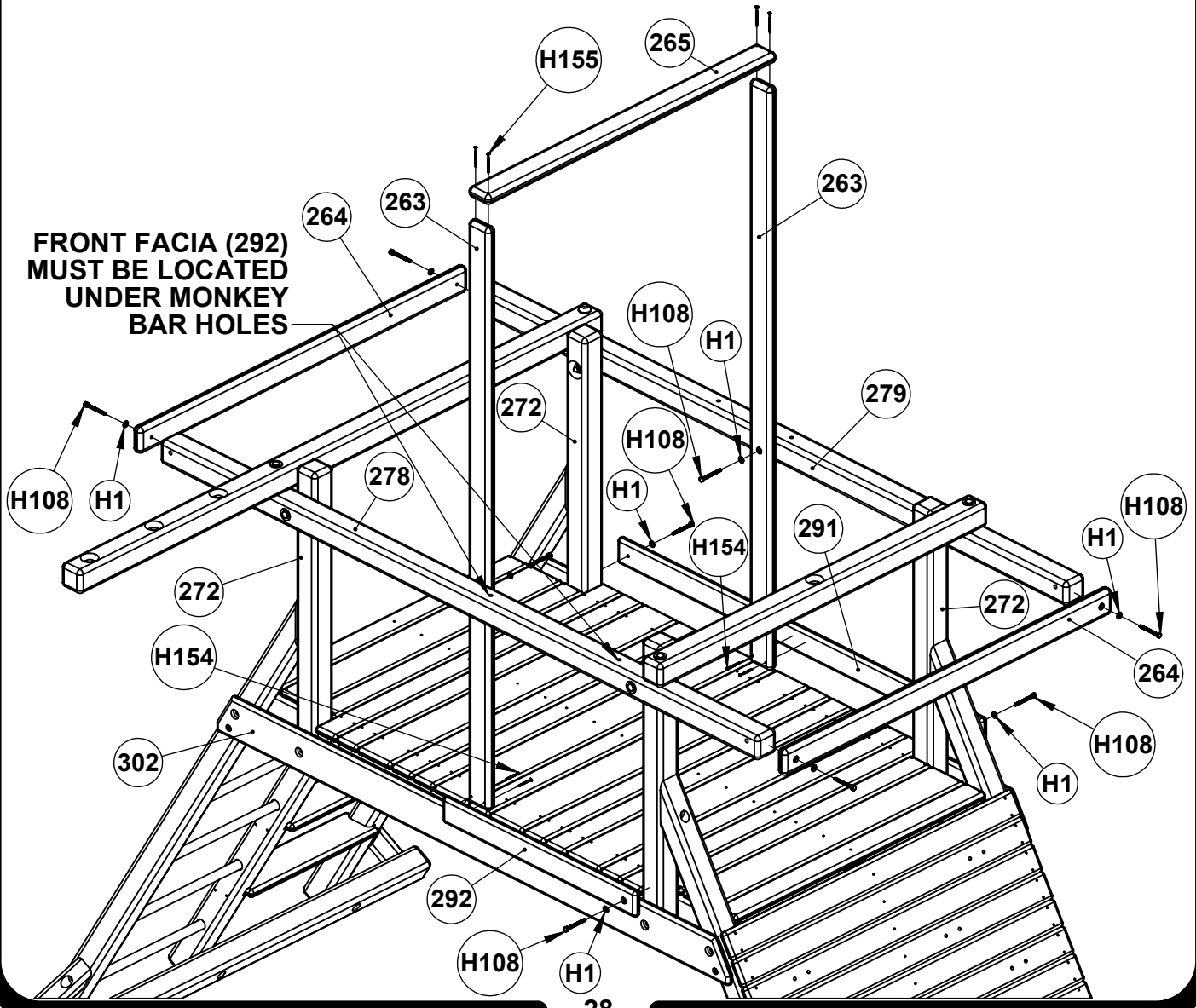
2. Attach Front Facia **(292)** and 2 Hole Facia **(291)** to Corner Uprights **(272)** using 1/4" Hardware **(H1)** and 5/16" Hardware **(H108)**.

   ***NOTE: Skip to Step 11 if installing the Wood Roof with Cabin Package.**

3. If installing the Tarp Roof, center Center Uprights **(263)** between Corner Uprights **(272)** with the counter-sunk holes facing in. Attach to Top Joists and Facias using #8 Hardware **(H154)** and 1/4" Hardware **(H1)** and 5/16" Hardware **(H108)**.

4. Attach Tarp Board **(265)** to the top of Center Uprights **(263)** using #8 Hardware **(H155)**.

5. Attach 2 Hole Facias **(264)** to ends of Top Joists using 1/4" Hardware **(H1)** and 5/16" Hardware **(H108)**.



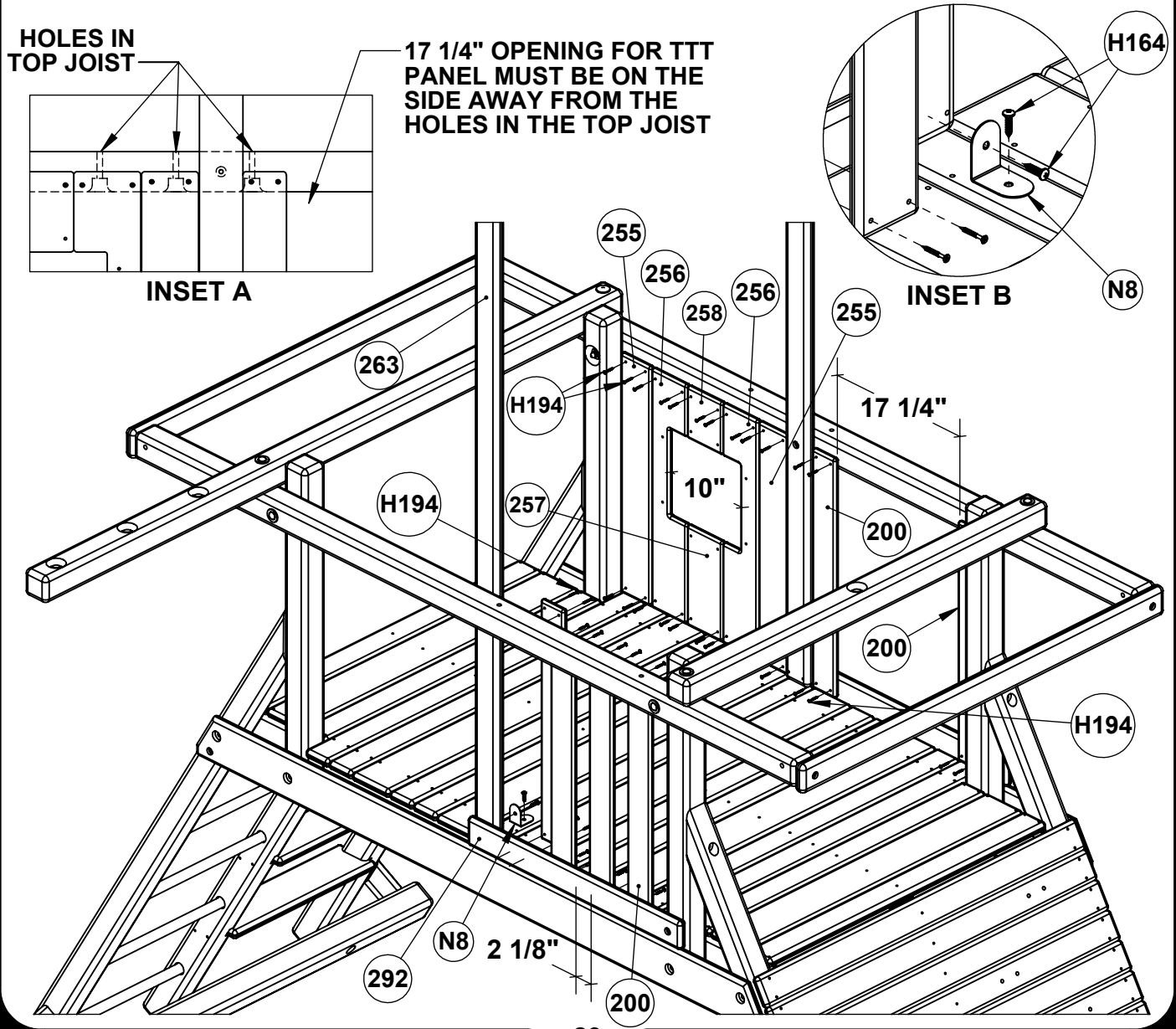
Step 11

Rail Upright Installation

***NOTE: The 17 1/4" opening for the TTT Panel must be on the side of the set away from the offset holes for the Swing Beam in the Top Joist with Swing Holes (279) (as shown in INSET A).**

***NOTE: Install two additional Rail Uprights (200) in place of Center Posts (263) if installing Wood Roof Option.**

1. Position Rail Uprights **(200) (255) (257) (258)** and Bubble Rail Uprights **(256)** in the locations shown. Use dimensions shown below as a guide for spacing Rail Uprights. If installing Wood Roof option, position additional Rail Uprights **(200)** in place of Center Posts **(263)**.
2. Attach Rail Uprights **(200) (255) (257) (258) (256)** using #8 Hardware **(H194)**.
3. Attach 90˚ Bracket **(N8)** to the Deck and Center Post **(263)** or Rail Upright **(200)** using #14 Hardware **(H164)** (as shown in INSET B).



Step 12

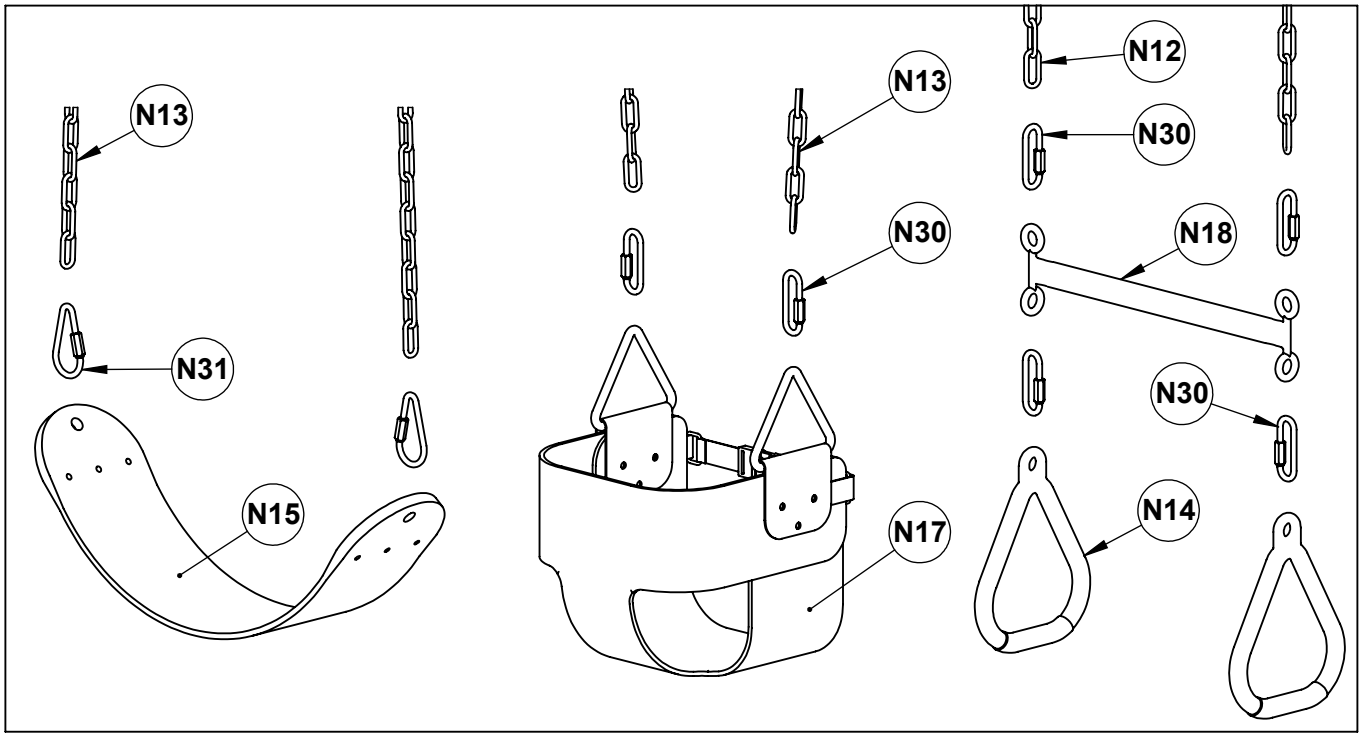
Swing Assembly

***NOTE: Half-Bucket Swing (N17) is intended for use by children ages 3-5, under adult supervision.**

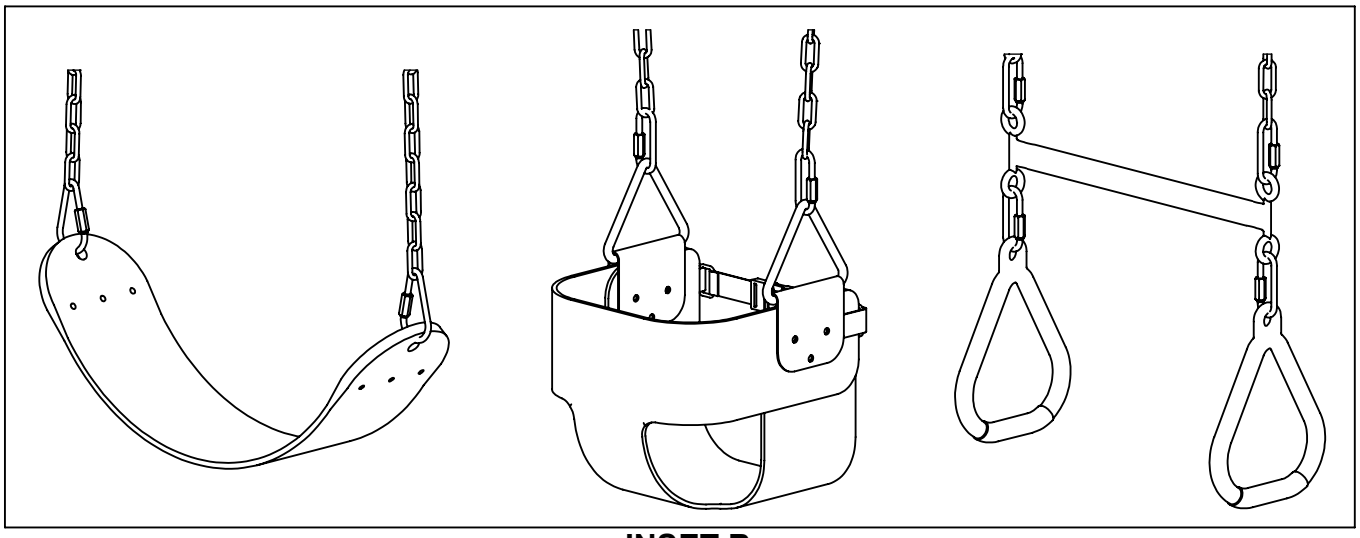
1. Open C-Links **(N30)** and Pear Links **(N31)**.
   ***NOTE: When closing C-Links and Pear Links, securely tighten using a crescent wrench**
2. Attach two Long Chains **(N13)** to each Swing Seat **(N15)** and Half-Bucket Swing **(N17)** using Pear Links **(N31)** and C-Links **(N30)** (as shown in Inset A).
3. Attach two Short Chains **(N12)** to Trapeze Bar **(N18)** using C-Links **(N30)** (as shown in Inset A).
4. Attach Trapeze Rings **(N14)** to Trapeze Bar **(N18)** by connecting C-Links **(N30)** to both the Trapeze Bar **(N18)** and Trapeze Rings **(N14)** (as shown in Inset B).

***NOTE: When completed, swing assemblies should look as shown in Inset B.**

5. Securely close all C-Links **(N30)** and Pear Links **(N31)** by tightening with a crescent wrench.



INSET A

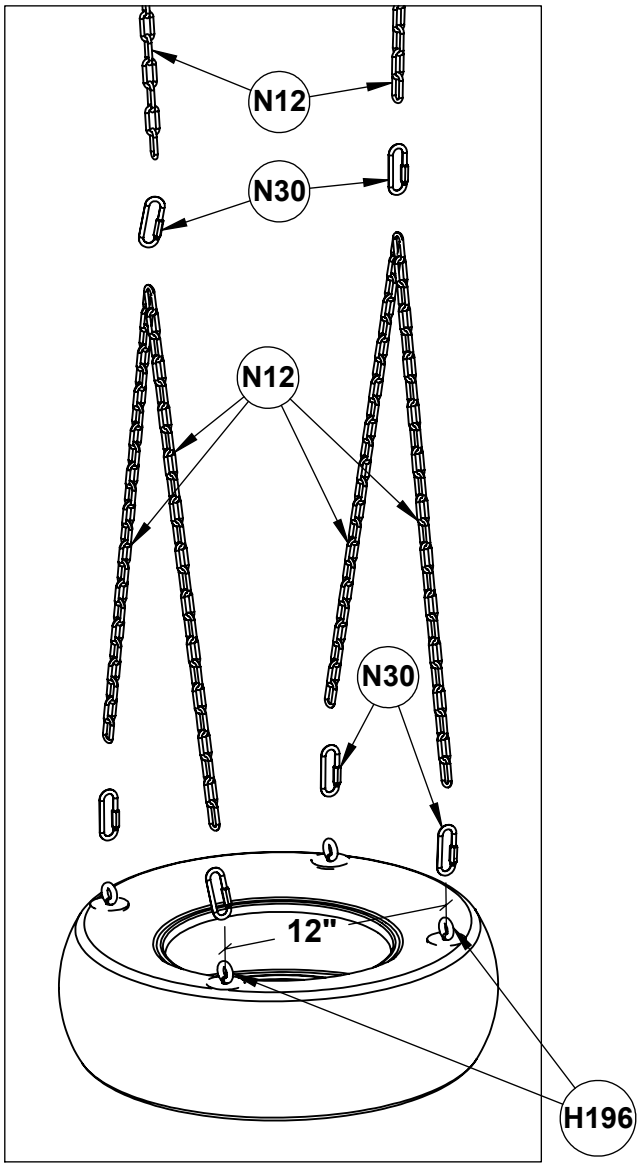


INSET B

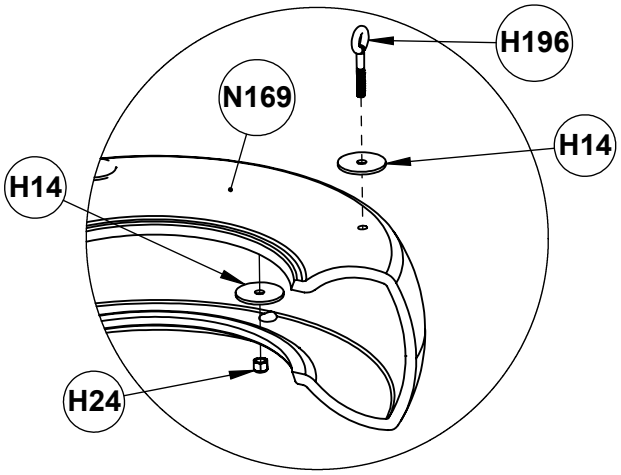
Step 13

4 Chain Tire Swing Assembly

1. Attach Eye Bolts **(H196)** to Tire **(N169)** using 3/8" Hardware **(H14) (H24)** (as shown in Detail A).
   ***NOTE: Make sure Eye Bolts (H196) are orientated as shown using the 12" measurement.**
2. Open C-Links **(N30)**. Divide the six Chains **(N12)** into groups of three Chains. Connect each group of Chains together using C-Links **(N30)** (as shown in Inset A).
3. Attach Chains **(N12)** to Eye Bolts **(H196)** using C-Links **(N30)** (as shown in Inset A).
4. Securely close all C-Links **(N30)** by tightening with a crescent wrench.



INSET A



DETAIL A

Step 14

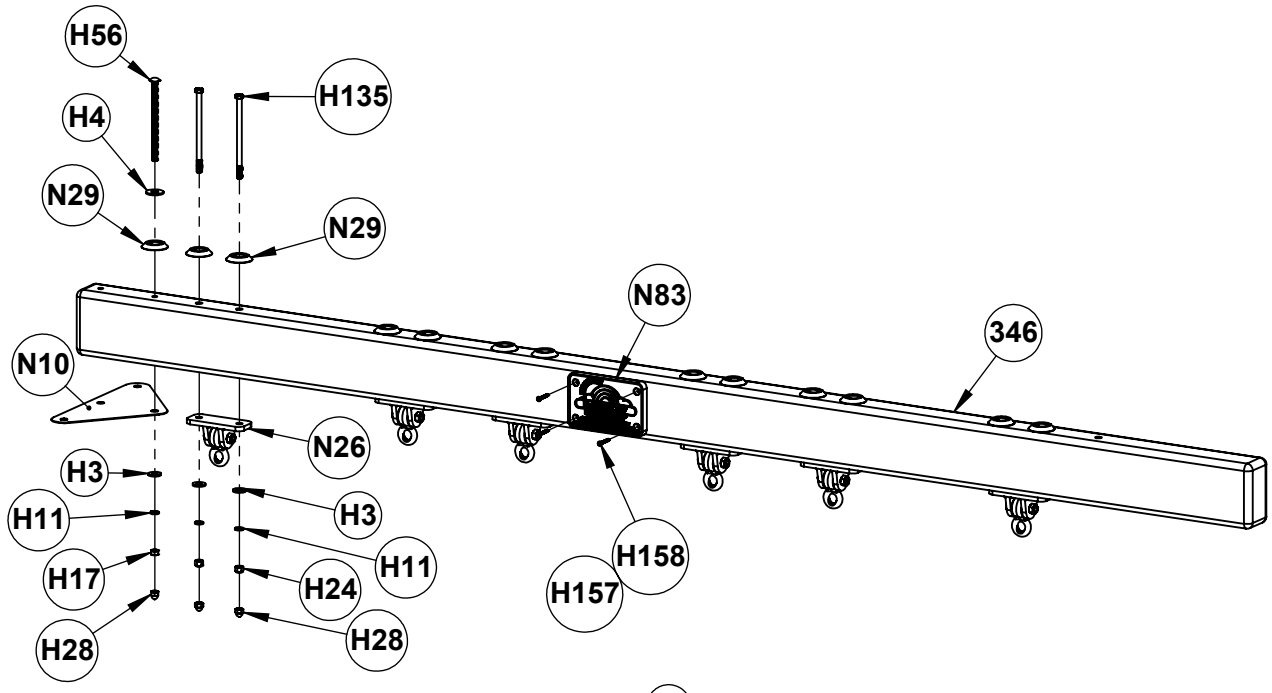
A-Frame Assembly and Swing Hanger Installation

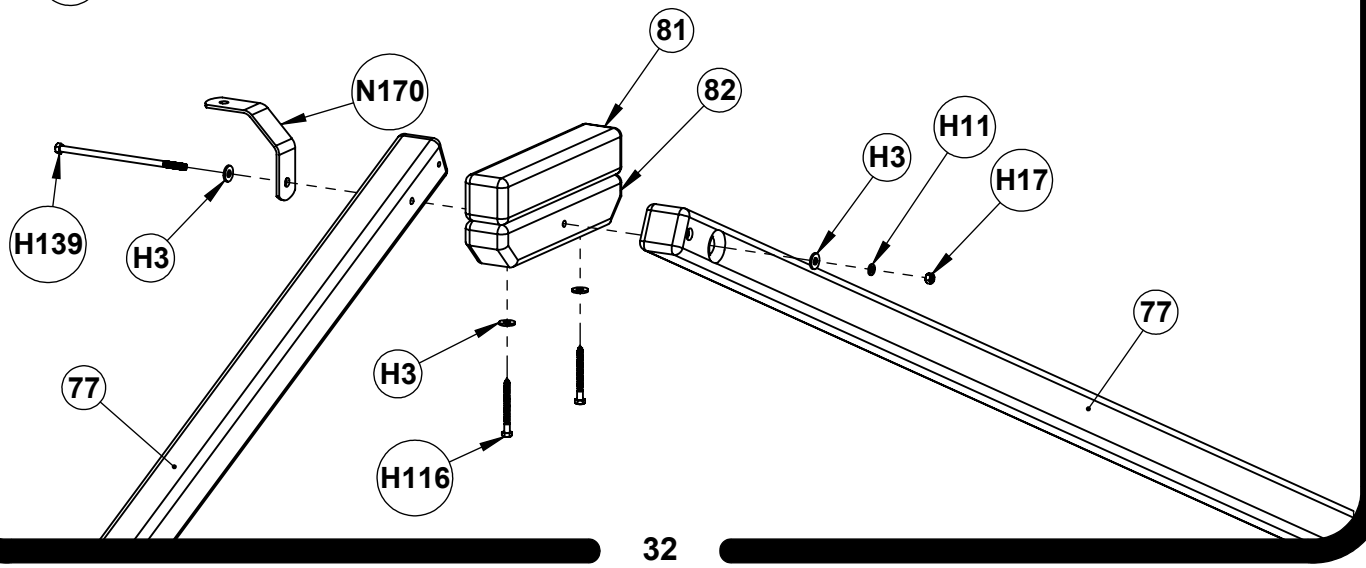
***NOTE: It is possible to modify your 3 Position Swing Beam to a 2 Position Swing Beam for use in small yards. See Step 38, page 57 for instructions on how to modify the 3 Position Swing Beam to a 2 Position Swing Beam. Proceed with the following steps after making the modifications.**

1. Attach Swing Hangers **(N26)** to Swing Beam **(346)** using 3/8" Hardware **(H3) (H11) (H24) (H28) (H135)** and 3/8" Bolt Cup **(N29)**.

   ***SUGGESTION: Use a box wrench or locking pliers to hold on to Hex Head Bolts (H135).**

2. Position Plaque **(N83)** in the approximate position shown and attach to Swing Beam using Hardware **(H157)** or **(H158)**.
3. Attach Swing Beam Plate **(N10)** to Swing Beam **(346)** using 3/8" Bolt Cup **(N29)**, 3/8" Hardware **(H3) (H11) (H17) (H28) (H56)**, and 1/2" Hardware **(H4)**. Do not fully tighten hardware at this time.
4. Attach Upper A-Frame Block **(81)** and Lower A-Frame Block **(82)** using 3/8" Hardware **(H3) (H116)**.
5. Attach A-Frame Legs **(77)** to A-Frame Block assembly using 45˚ Bracket **(N170)** and 3/8" Hardware **(H139) (H3) (H11) (H17)**. Do not fully tighten hardware at this time.
6. Lay assembly on the ground with A-Frame Legs **(77)** pointing in opposite directions.





Step 15

Swing Beam Installation

1. On the ground, place Swing Beam **(346)** on top of Swing Beam Block **(81)**. Attach 45° Bracket **(N170)** to Swing Beam **(346)** through pre-drilled hole using Bolt Cup **(N29)**, 1/2" Hardware **(H4)**, and 3/8" Hardware **(H56) (H3) (H11) (H17)**.

2. Center Swing Beam **(346)** on the Swing Beam Block **(81)**. Position 90° Swing Beam Brackets **(N171)** on Swing Beam Block **(81)**, up against the Swing Beam **(346)**, and attach using Bolt Cups **(N73)**, #14 Hardware **(H164)**, 1/4" Hardware **(H1) (H100)** and 5/16" Hardware **(H108)** (as shown in INSET B).

3. Lift Swing Beam assembly into position on top of the Top Joist **(279)** and attach through Swing Beam **(346)** and Swing Beam Plate **(N10)** using 1/2" Hardware **(H4)** and 3/8" Hardware **(H50) (H60) (H3) (H11) (H17)**.

   ***NOTE: For ease of installation, insert Carriage Bolt (H60) through the Swing Beam (346), and then insert Carriage Bolts (H50). Do not tighten hardware at this time.**

4. Lift Swing Beam assembly up until A-Frame Legs hold Swing Beam in a level position.

   ***CAUTION: Legs will close inward as Swing Beam is lifted up into position.**

   ***SUGGESTION: Use at least two people to lift Swing Beam assembly.**

   ***CAUTION: Legs are very unstable until Cross Member (78) is installed.**

5. Tighten Hex Head Bolt **(H139)** that goes through A-Frame Legs **(77)** and A-Frame Block assembly and attach 3/8" Hardware **(H28)**. Tighten all hardware that goes through Swing Beam Plate **(N10)** at this time.

6. Hold A-Frame Cross Member **(78)** in a level position against A-Frame Legs **(77)** with holes centered on the Legs, and drill through A-Frame Legs using a 7/16" drill bit. Attach Cross Member using 3/8" Hardware **(H55) (H3) (H11) (H17)** and 1/2" Hardware **(H4)**.

7. Attach A-Frame Legs **(77)** to A-Frame Blocks using 1/4" Hardware **(H1) (H100)**.

8. Place 3/8" Acorn Nuts **(H28)** on all Hardware that goes through Swing Beam Plate **(N10)**, A-Frame Cross Member **(78)** and 45° Bracket **(N170)** after all Hardware is tightened.

9. Attach Spring Clips **(N27)** to Swing Hangers **(N26)**.

10. Attach Swing Options to Spring Clips **(N27)**.

    ***NOTE: The bottoms of the Sling Swings, Tire Swing, and Half Bucket Swing must be at least 8" off the ground when properly installed.**

    ***NOTE: Only install ONE Swing Option in each opening on the Swing Beam.**

Continued on next page:

Step 15

Swing Beam Installation

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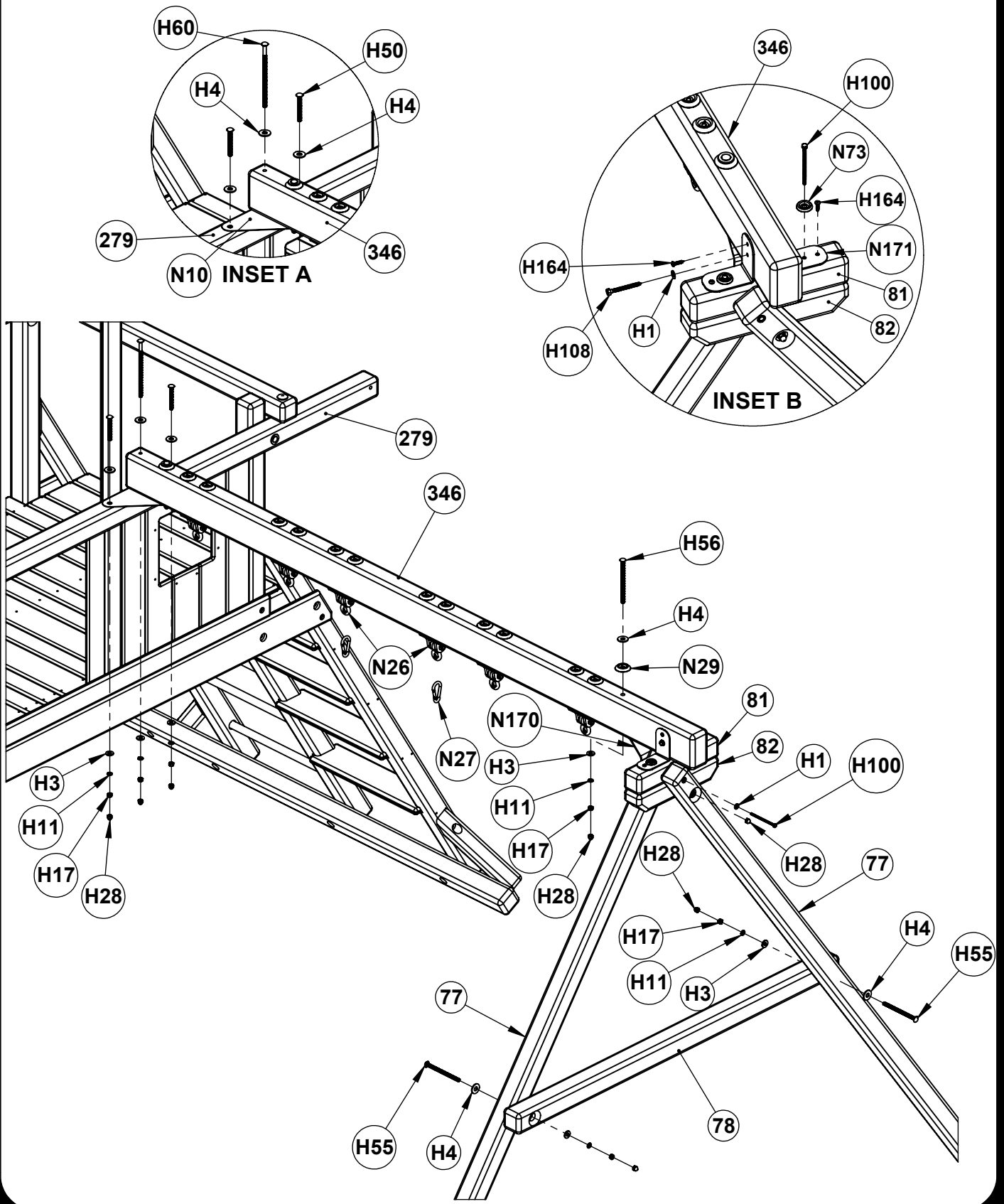


Step 16

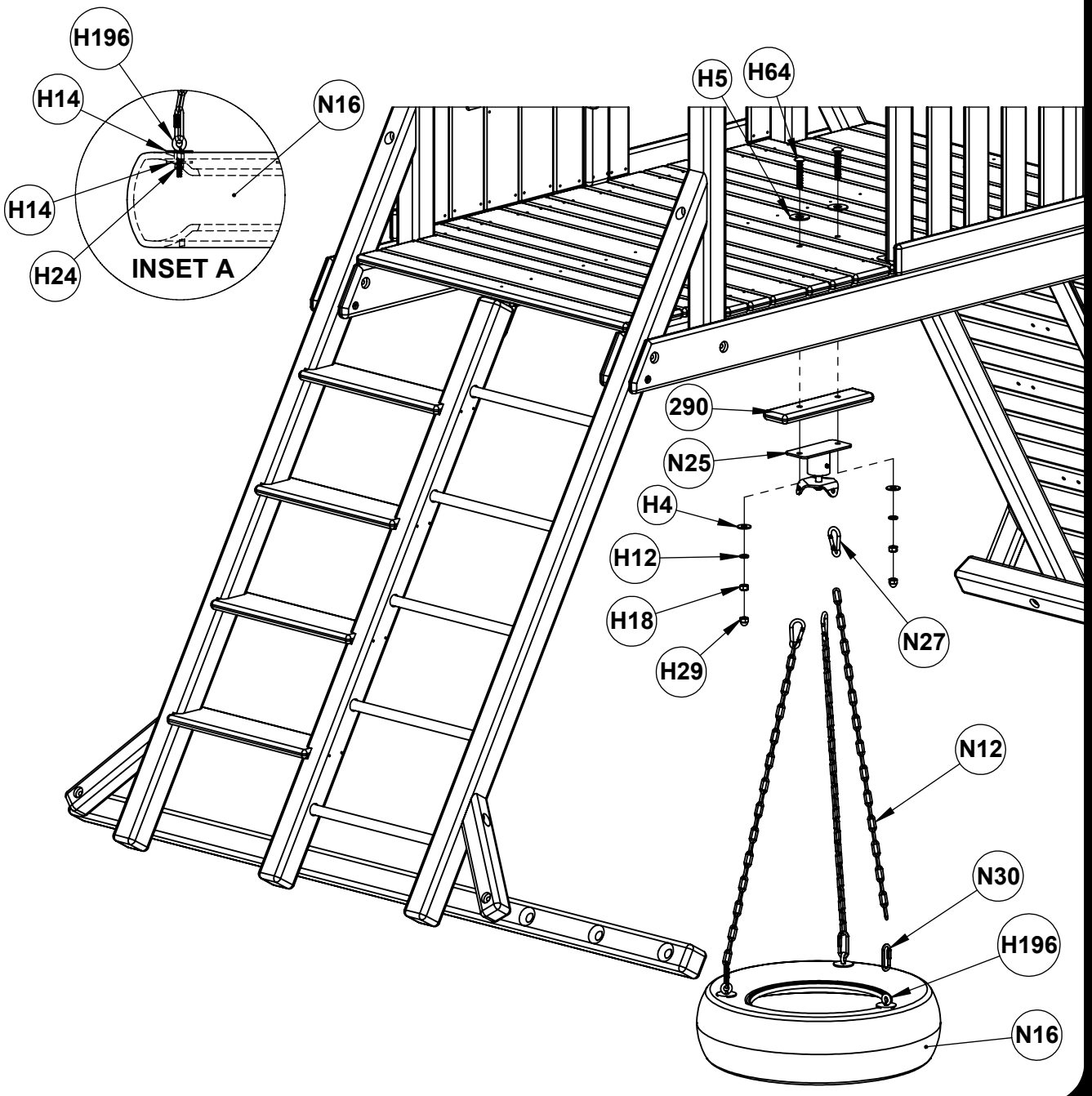
Tire Swing Installation

1. Center Tire Swivel **(N25)** on the middle Deck Boards and mark the location of the mounting holes. The holes should hit towards the middle of the Deck Boards and be approximately **12" - 13"** from the front edge of the Deck Boards. Drill through Deck Boards using a 9/16" drill bit. Drill slowly to prevent drilling blowouts.

2. Attach the Tire Swivel **(N25)** though the Tire Swing Block **(290)** and the Deck Boards using 1/2" Hardware **(H4) (H12) (H18) (H29) (H64)** and 3/4" Hardware **(H5)**.

3. Attach Spring Clips **(N27)** to Tire Chains **(N12)**. Hook Spring Clips **(N27)** to Tire Swivel **(N25)**.

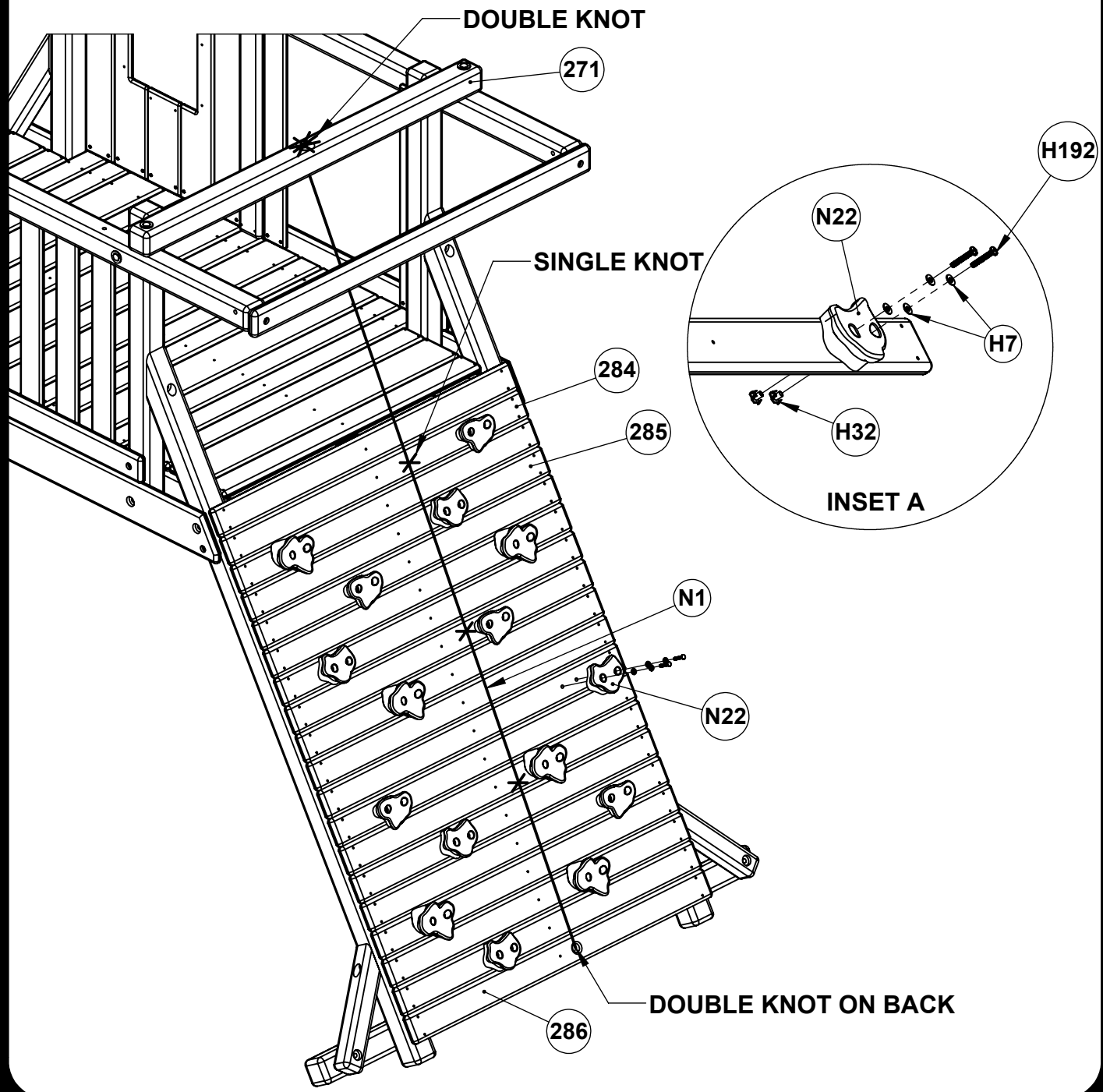
4. Install 3/8" Hardware **(H196) (H14) (H24)** in Tire **(N16)** using pre-drilled holes (as shown in INSET A). Attach Tire **(N16)** to Tire Chains **(N12)** using C-Clips **(N30)**.



Step 17

Rock and Rope Installation

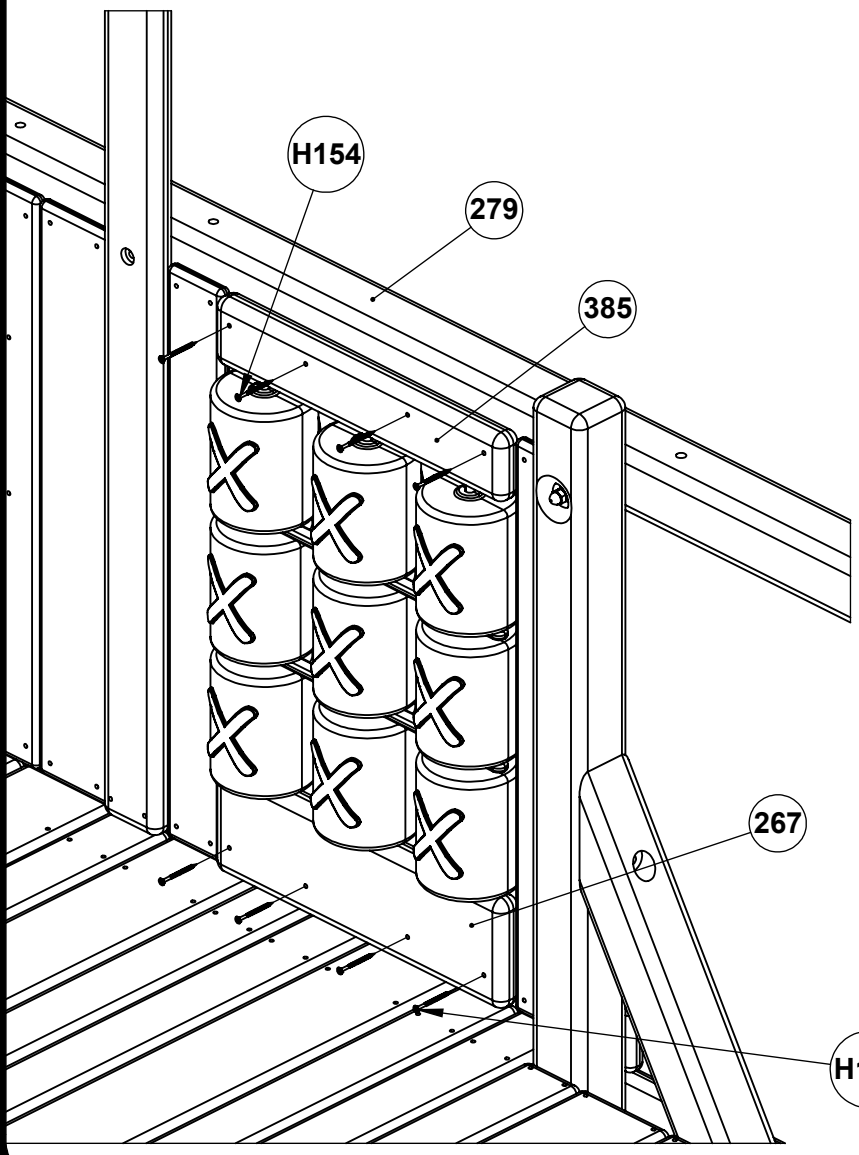
1. Attach Rocks **(N22)** to Rock Wall Boards **(284) (285)** using 1/4" Hardware **(H7) (H192)** and 1/4" T-Nuts **(H32)** that were installed in Step 3. Use four 1/4" SAE Washers **(H7)** for each Rock.
   ***WARNING: TO PREVENT THE RISK OF STRANGULATION, THREE KNOTS MUST BE TIED IN ROPE AND ROPE MUST BE SECURE AT BOTH ENDS. ROPE MUST BE TIGHT ENOUGH THAT IT CANNOT BE LOOPED BACK ON ITSELF, AND NO MORE THAN 12" OF ROPE SHOULD BE LEFT AFTER TYING DOUBLE KNOTS AT THE TOP AND BOTTOM OF THE ROPE.**
2. Thread 12' Rope **(N1)** up through the bottom of the Front Beam **(271)** and tie a double knot.
3. Tie three single knots evenly spaced along the Rope **(N1)**.
4. Thread Rope through Rock Wall Board w/Rope Hole **(286)** and tie a double knot on the backside.

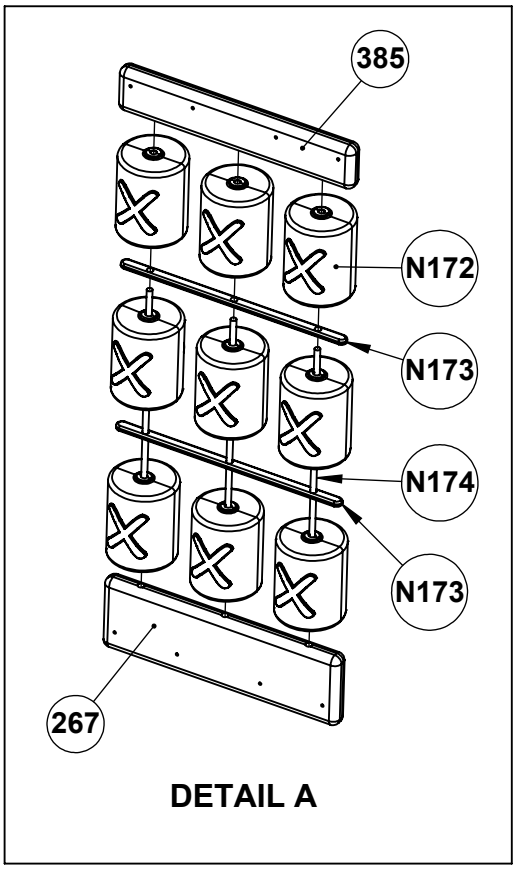


Step 18

Tic Tac Toe Installation

1. Place Tic Tac Toe Rods **(N174)** into bottom Tic Tac Toe Board **(267)**.
2. Place three Tic Tac Toe Cylinders **(N172)** on each Rod **(N174)**, with a Tic Tac Toe Spacer **(N173)** in between each layer of Cylinders **(N172)**.
3. Place top Tic Tac Toe Board **(385)** on top of the last layer of Cylinders **(N172)**. Be sure that Rods **(N174)** line up with the holes in the Tic Tac Toe Board **(385)**.
4. Center Tic Tac Toe Assembly in the opening between Rail Uprights and attach Tic Tac Toe Boards **(385) (267)** to Top Joist and 2 Hole Facia using #8 Hardware **(H154)**.
5. Place Chalkboard with Chalk and Eraser **(N167)** inside the set in desired location.





DETAIL A

Step 19

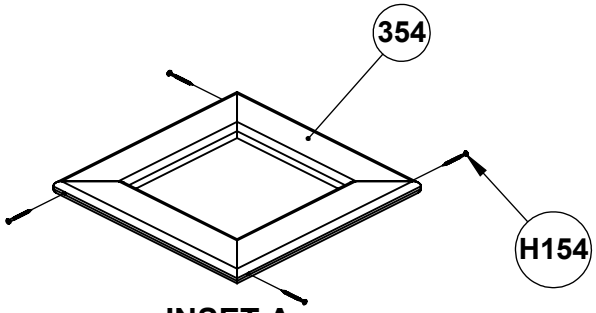
Bubble Window Installation

***SUGGESTION: Use wood clamps to hold Window Frame (354) pieces together during assembly.**

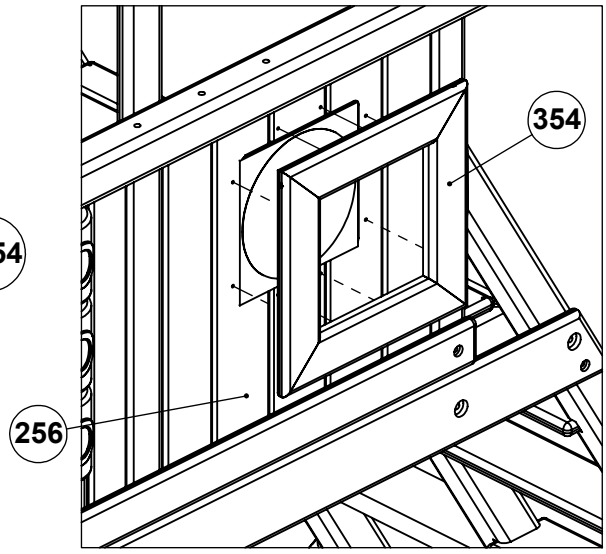
1. On a flat surface, lay Window Frame **(354)** pieces in a square (as shown in INSET A) and attach using #8 Hardware **(H154)**.

2. Remove protective covering from Bubble Window **(N168)** and place Bubble Window on the back side of the assembled window frame. The Bubble Window **(N168)** should fit in the notched area of the frame.

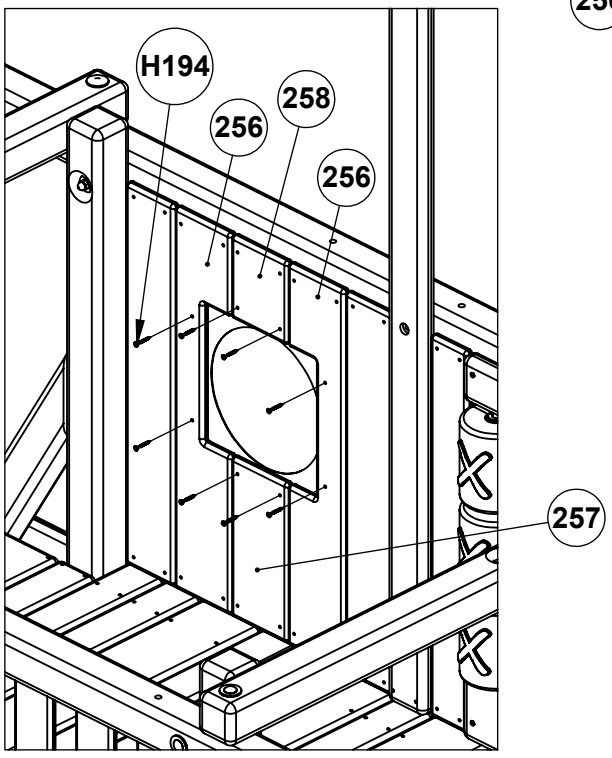
3. Position Window Frame assembly with Bubble Window **(N168)** approximately **6"** up from 2 Hole Facia **(291)** and attach through the back side (as shown in INSETS B, C, and D) using #8 Hardware **(H194)**.



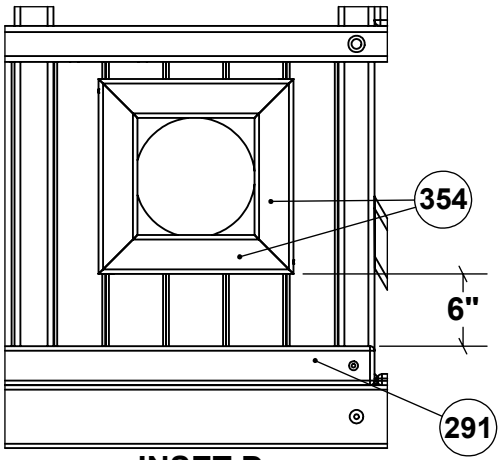
INSET A



INSET B



INSET C



INSET D

Step 20

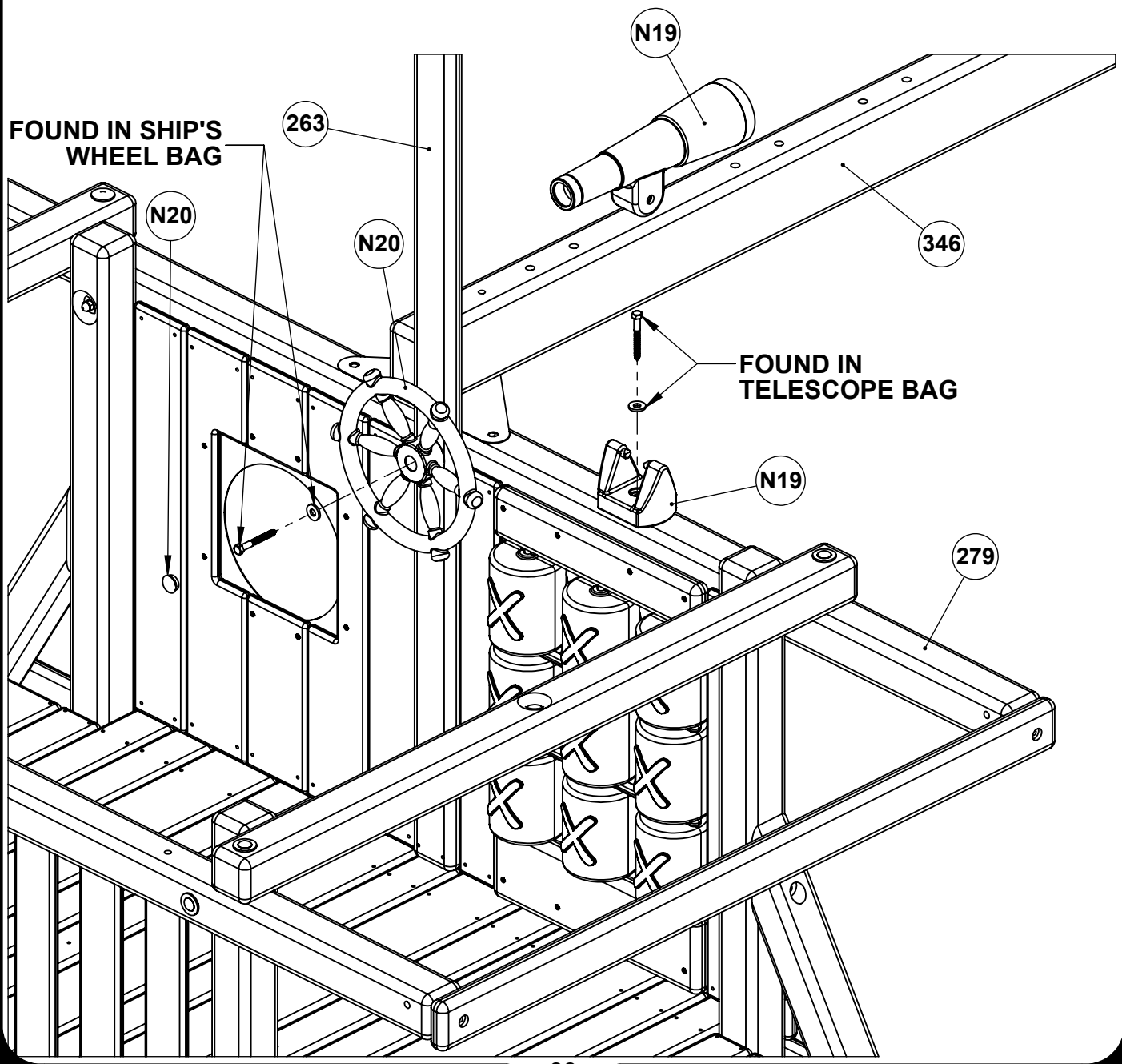
Ship's Wheel and Telescope Installation

***NOTE: Pre-drill holes for all Lag Bolts using appropriate drill bit.**

1. Position Ship's Wheel on Center Post **(263)** if installing the Tarp Roof or on the end of the Swing Beam if installing the Wood Roof. If installing Ship's Wheel on the Center Post, make sure lag bolt goes through the Center Post and into the Top Joist **(279)**.
2. Attach Ship's Wheel to Center Post **(263)** or Swing Beam **(346)** using hardware found in Ship's Wheel bag. Snap Cover **(N20)** in place.

   ***NOTE: Do not over-tighten hardware in Ship's Wheel and Telescope. Ship's Wheel and Telescope Base should rotate freely.**

3. Attach Telescope Base **(N19)** to Top Joist with Swing Holes **(279)** using hardware found in Telescope Bag. Snap Telescope **(N19)** into Telescope Base.



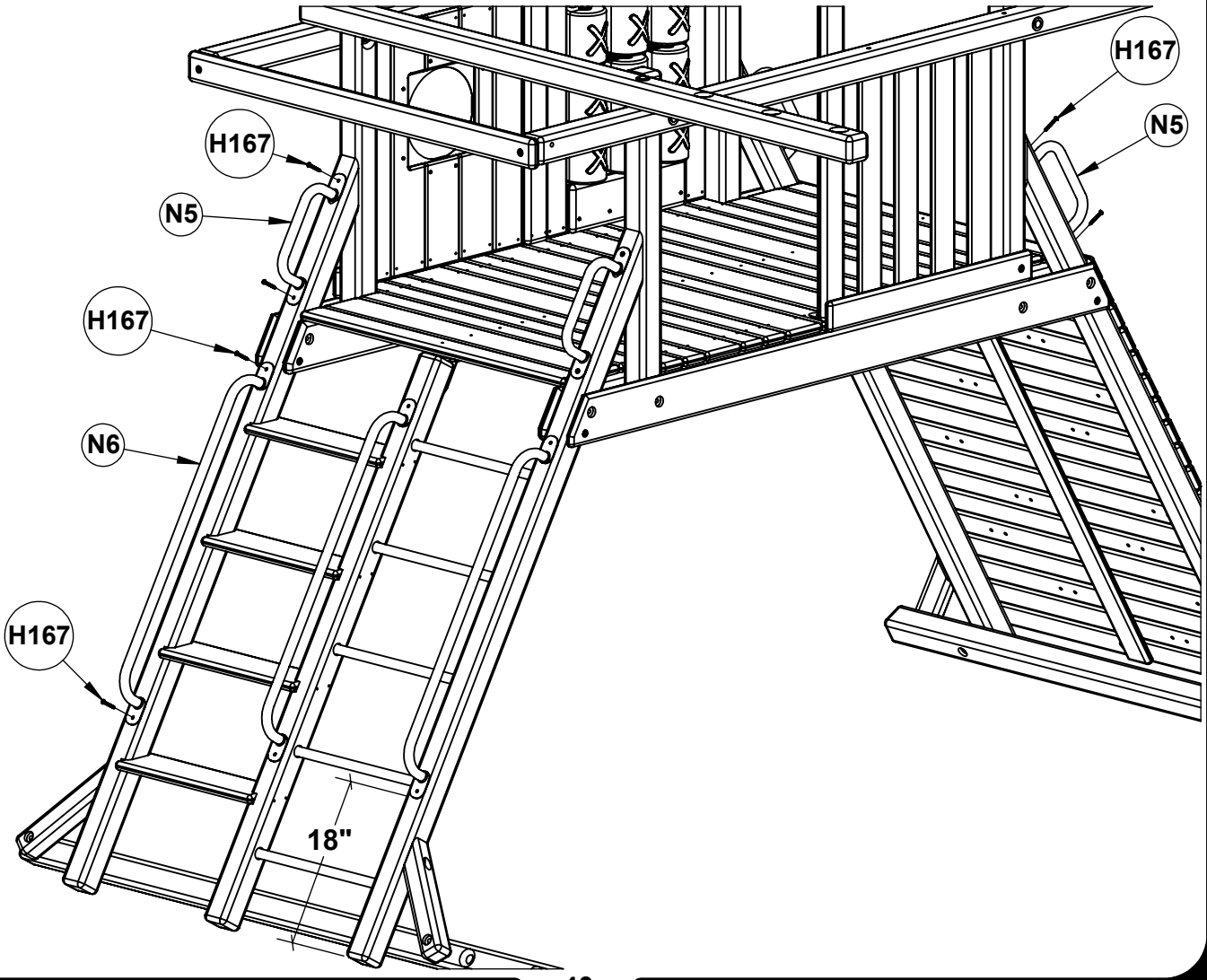
Step 21

Safety Handle Installation

***NOTE: Use an 1/8" drill bit to drill holes 1/2" deep for #14 Hardware (H167).**

1. Attach Castle Ladder Handles **(N6)** to Step/Rung Ladder Legs using #14 Hardware **(H167)**. Castle Ladder Handles **(N6)** should be approximately **18"** up from the bottom face of the Ladder Legs.

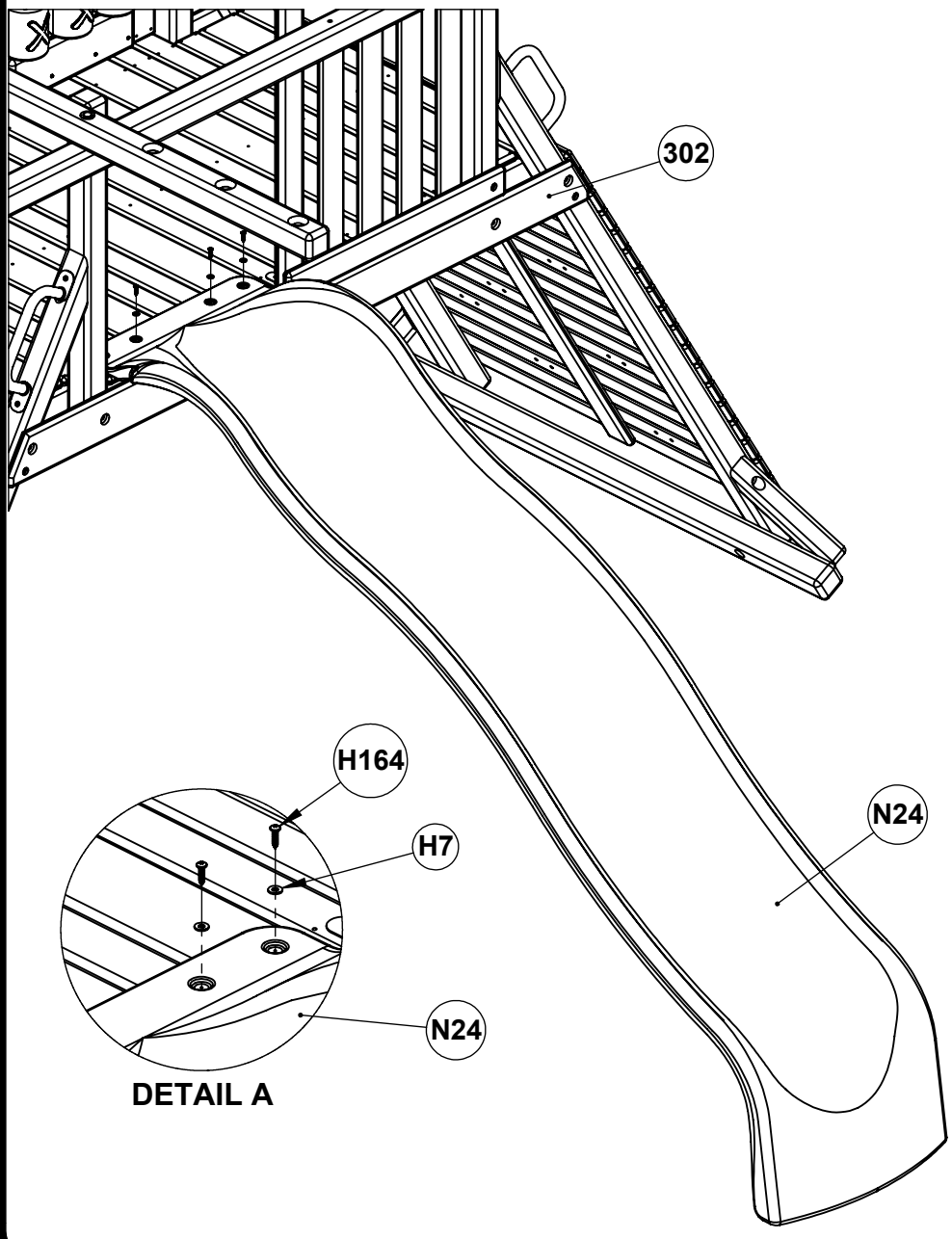
2. Attach Safety Handles **(N5)** to Castle Ladder Legs (in four locations shown) using #14 Hardware **(H167)**. Safety Handles **(N5)** should be approximately **2"** down from the top edge of the Ladder Legs.



Step 22

Slide Installation

1. Center Double Wall Wave Slide **(N24)** in the opening provided and attach to Deck Boards using 1/4" Hardware **(H7)** and #14 Hardware **(H164)** (as shown in DETAIL A). Wave Slide should sit approximately **4" to 5"** back from the Angled Facia **(302)**.

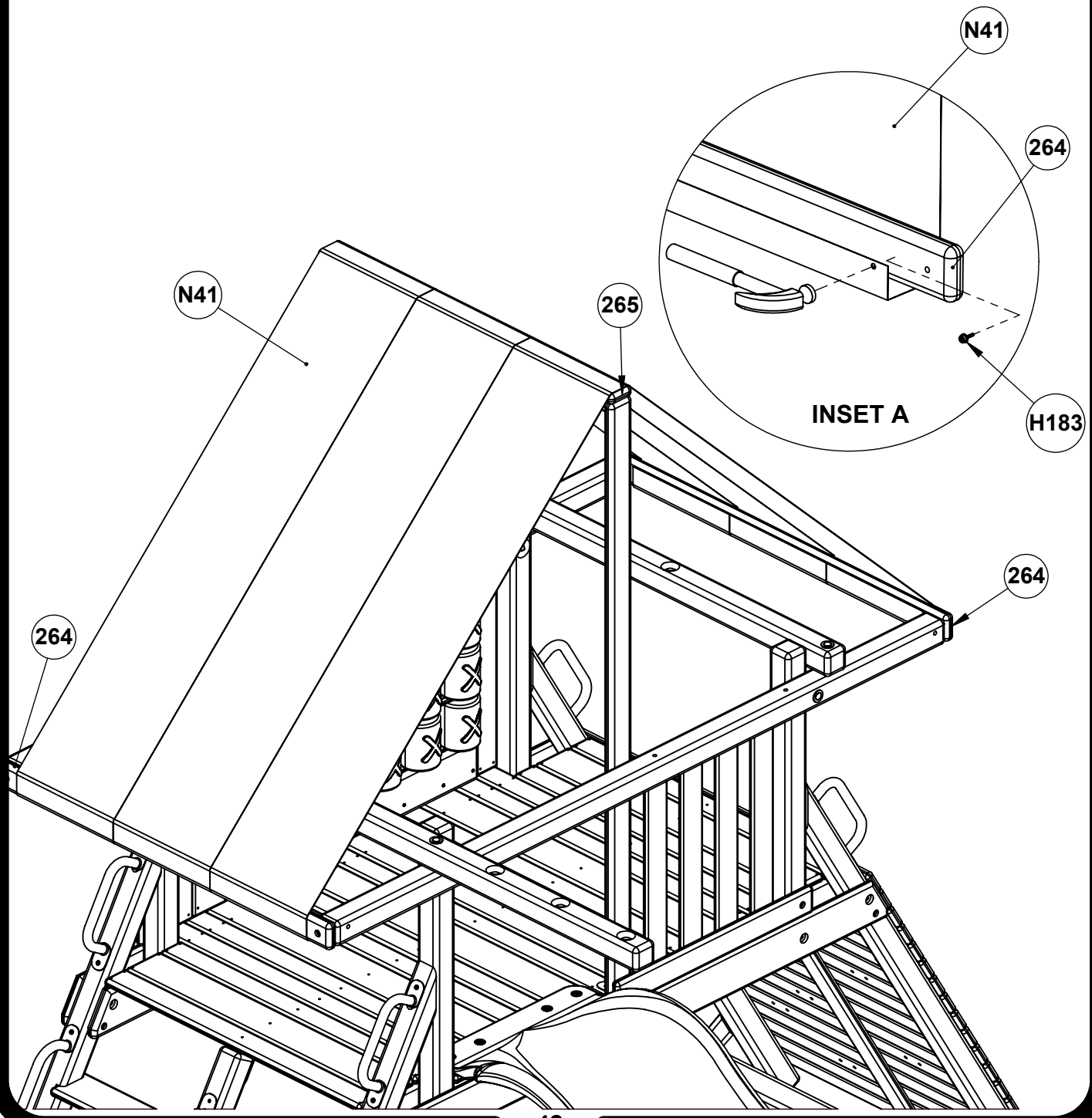


Step 23

Tarp Installation

***NOTE: Skip to Step 24 if installing Wood Roof.**

1. Evenly spread Tarp **(N41)** over the top of Tarp Board **(265)** and 2 Hole Facias **(264)** with the Snaps against the inside.
2. Wrap Tarp **(N41)** around the bottom side of 2 Hole Facias **(264)**. Starting with the middle tarp snaps, gently tap each snap with a hammer to leave an indentation in the wood.
3. Install Snap Screws **(H183)** in the center of the indentations. Snap Screws **(H183)** are rolled up in the Tarp **(N41)**.
4. Snap the Tarp **(N41)** to the Snap Screws **(H183)**.
5. Repeat parts 2,3, and 4 for the other side. Tarp **(N41)** should be pulled tight when marking Snap Screw **(H183)** locations.



Step 24

Monkey Bar and Monkey Bar Support Assembly

1. Place the Right Monkey Bar Arm **(281)** and one Monkey Bar Support Leg **(280)** on a flat surface with the pipe holes facing up. Remove any objects from underneath the wood parts to prevent scarring of the wood.

   ***NOTE: Do not directly hit the wood or the Ladder Pipes (N3) with a hammer. Use Pipe Block (384) with a 3-pound (or larger) sledge hammer.**

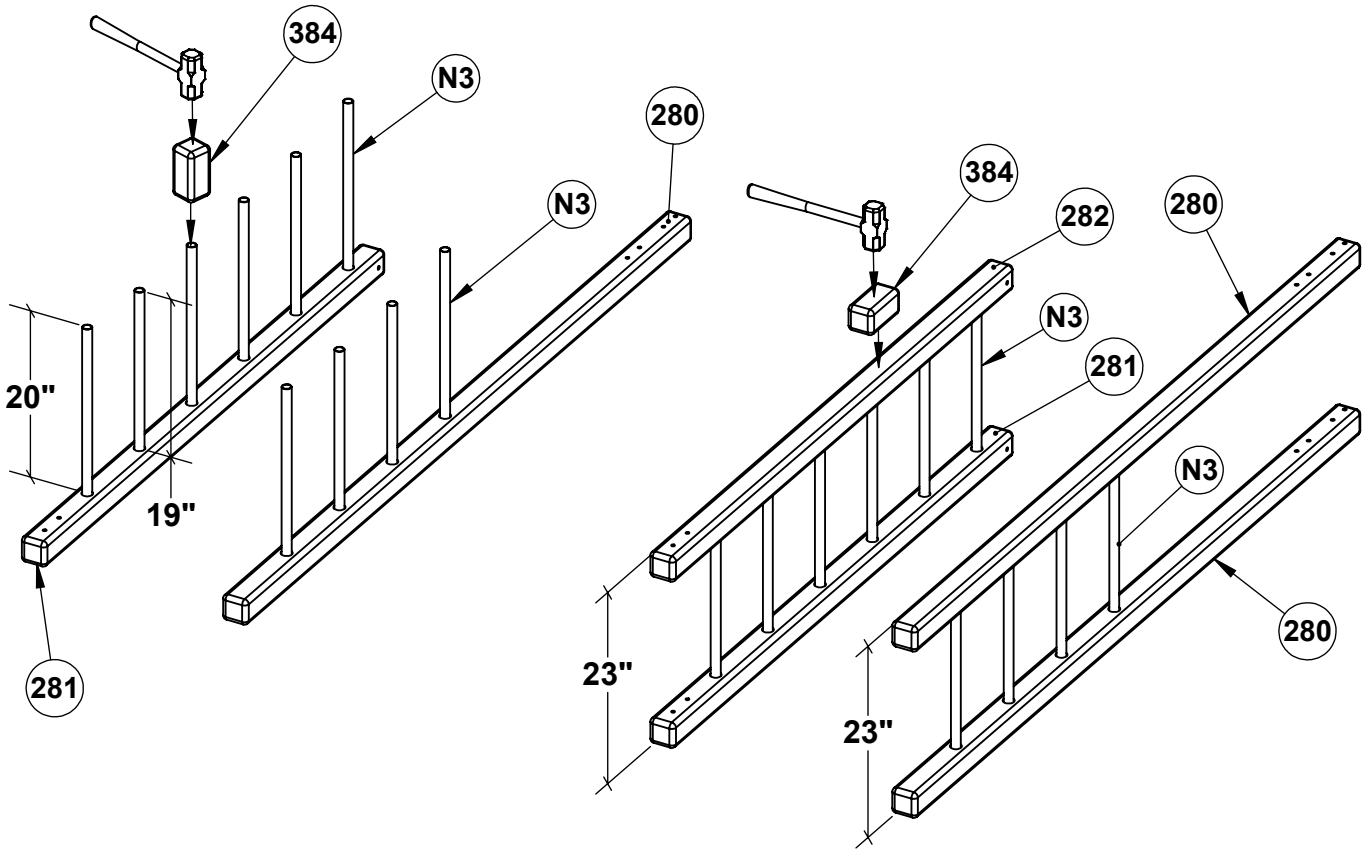
2. Using Pipe Block **(384)** and a sledge hammer, pound each Ladder Pipe **(N3)** into the Right Monkey Bar Arm **(281)**. Pound the four inside Ladder Pipes **(N3)** into the wood so they protrude approximately **19"** from the wood and the two outside Ladder Pipes **(N3)** approximately **20"** from the wood.

3. Repeat part 2 for the Monkey Bar Support Leg **(280)**.

   ***SUGGESTION: Use a bar clamp to hold Monkey Bar together while pounding on second Monkey Bar Arm.**

4. Position Left Monkey Bar Arm **(282)** on top of the installed Ladder Pipes **(N3)**. Using sledge hammer and Pipe Block **(384)**, pound the Left Monkey Bar Arm **(282)** on to the Ladder Pipes **(N3)**. When properly assembled, the Monkey Bar should measure **23"** from outside face to outside face.

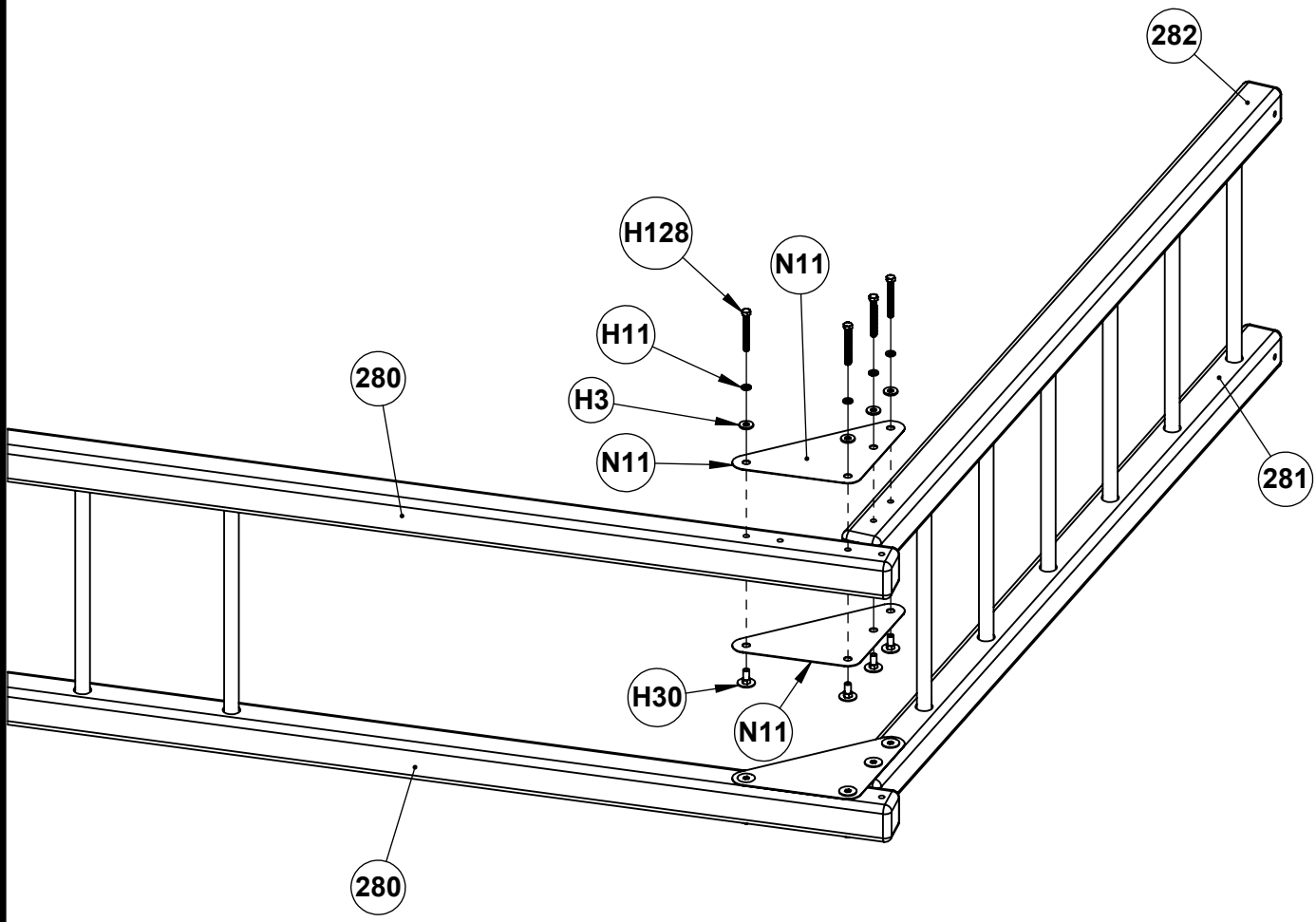
5. Repeat part 4 to complete the Monkey Bar Support assembly. The Monkey Bar Support assembly should have a width of **23"** from outside face to outside face when properly assembled.



Step 25

Monkey Bar Assembly

1. Position Monkey Bar assembly and Monkey Bar Support assembly on the ground as shown.
2. Position the two inside Monkey Bar Plates **(N11)** and insert 3/8" Hardware **(H30)** into holes. Use a hammer to gently tap hardware into holes if needed.
3. Position the two outside Monkey Bar Plates **(N11)** and attach to the Monkey Bar Support assembly and Monkey Bar assembly using 3/8" Hardware **(H3) (H11) (H30) (H128)**.



Step 26

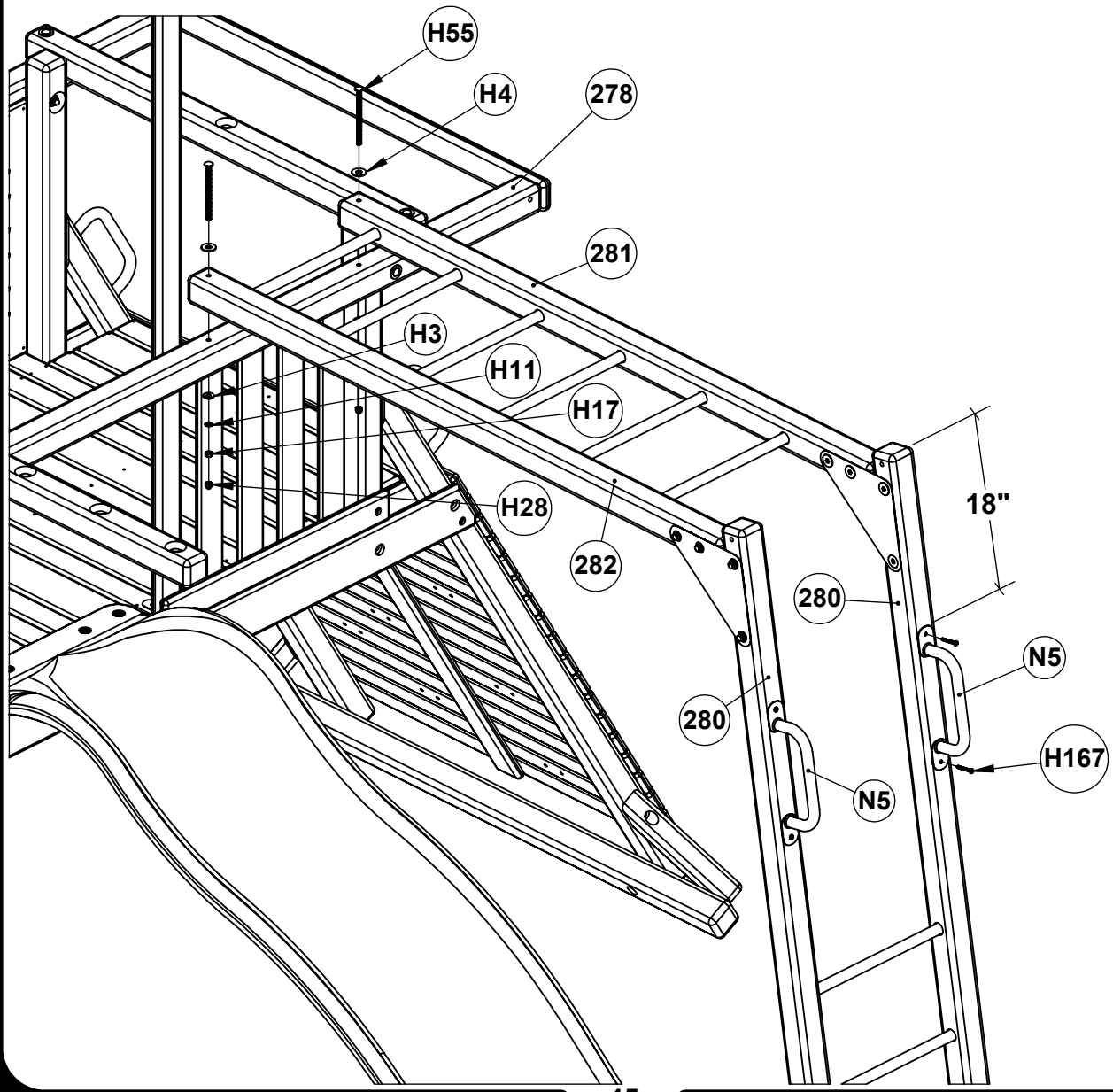
Monkey Bar Installation

***NOTE: At least two people are required to complete this step.**

1. Lift up entire Monkey Bar assembly and align pre-drilled holes in Monkey Bar Arms **(281) (282)** with pre-drilled holes in Top Joist with Monkey Bar Holes **(278)** and attach using 3/8" Hardware **(H3) (H11) (H17) (H28) (H55)** and 1/2" Hardware **(H4)**.

   ***NOTE: Use an 1/8" drill bit to drill holes 1/2" deep for #14 Hardware (H167).**

2. Measure down **18"** from the top of the Monkey Bar Support Legs **(280)** and attach Safety Handles **(N5)** to Monkey Bar Support Legs **(280)** using #14 Hardware **(H167)**.



Step 27

Wood Roof Installation

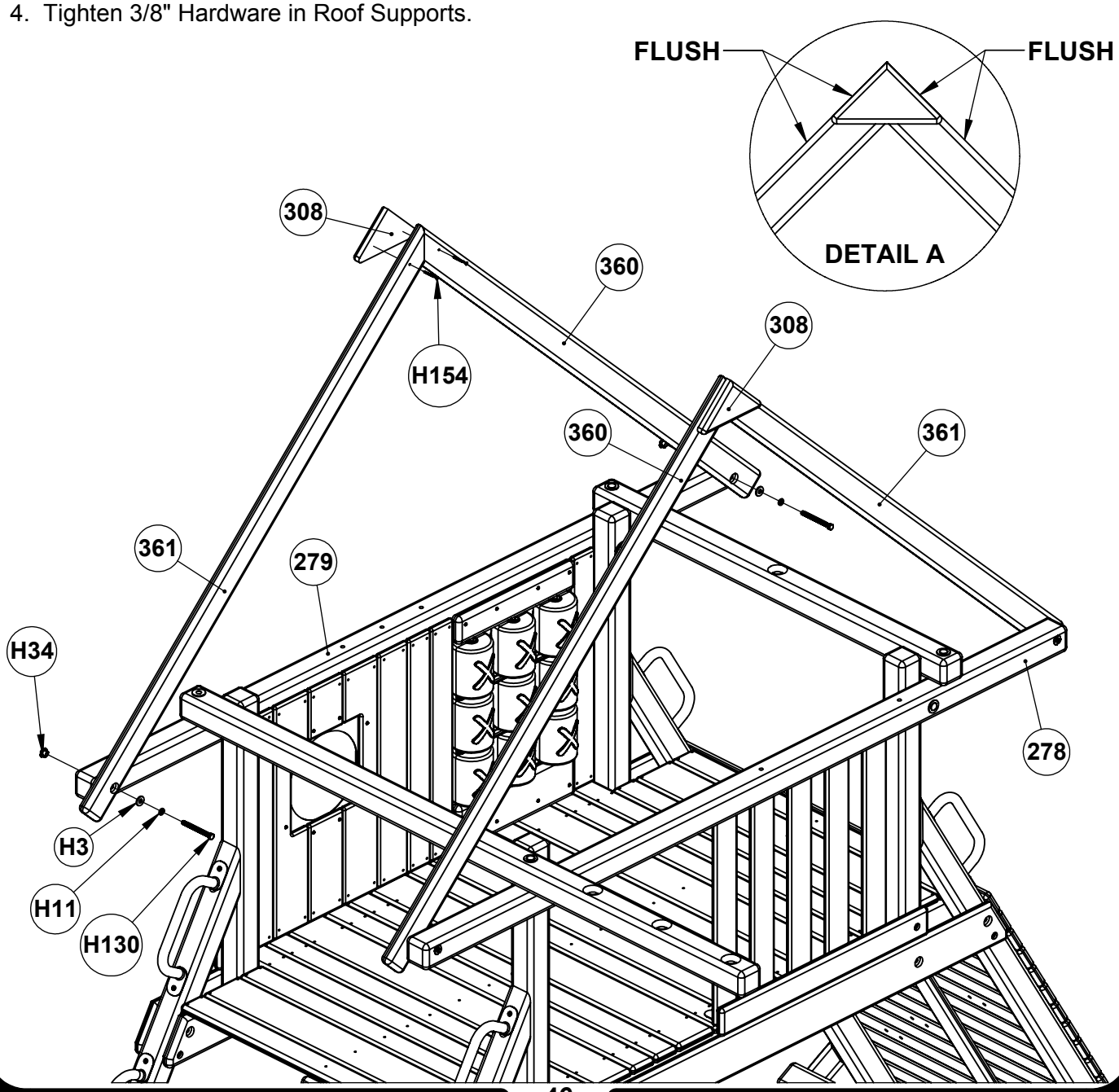
1. Install 3/8" Hardware **(H34)** into pre-drilled holes in Top Joists **(278) (279)** by gently tapping hardware with a hammer until flush with the face of the wood.

2. Attach Left and Right Roof Supports **(360) (361)** to Top Joists, in the positions shown, using 3/8" Hardware **(H3) (H11) (H34) (H130)**. Do not fully tighten hardware at this time.

   ***SUGGESTION: Use a wood clamp or an adult helper to hold Roof Supports in position while Peak Facias are installed.**

3. Position Roof Supports **(360) (361)** so they form a peak and attach Peak Facias **(308)** to Roof Supports using #8 Hardware **(H154)**. The edges of Peak Facias **(308)** and Roof Supports should be flush (as shown in DETAIL A).

4. Tighten 3/8" Hardware in Roof Supports.



Step 28

Wood Roof Installation

***NOTE: Holes in Roof Frame Top/Bottom Boards (306) are offset. Position board correctly as shown below.**

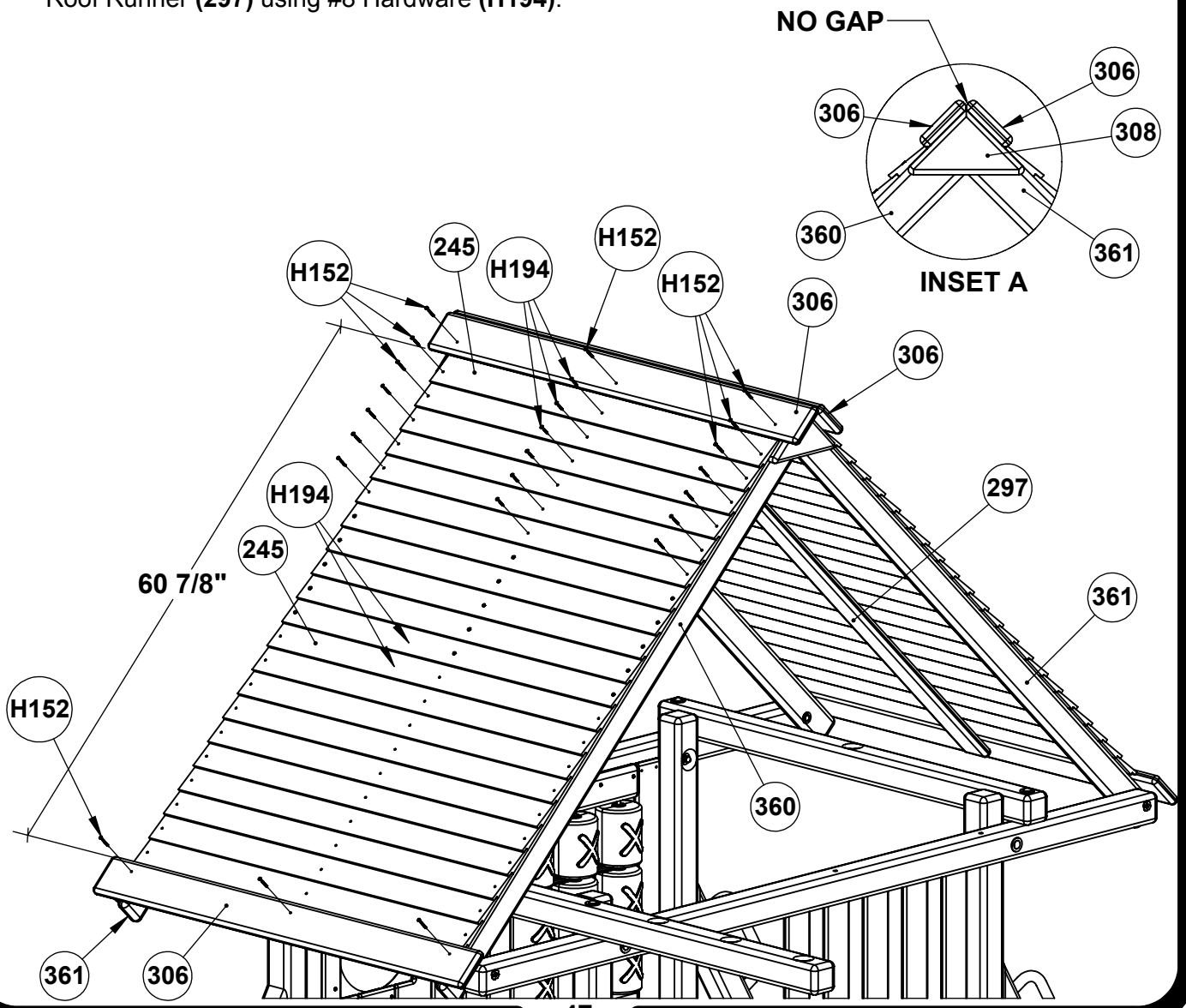
1. Center Roof Frame Tops **(306)** on Roof Supports **(360) (361)** and attach using #8 Hardware **(H152)**. Roof Frame Tops **(306)** should over-hang Peak Facias **(308)** by approximately **2"**. Roof Frame Tops **(306)** should form a peak without gaps between boards (as shown in INSET A).

2. Measure down **60 7/8"** from the bottom of the Roof Frame Top **(306)** on BOTH Roof Supports and attach Roof Frame Bottom **(306)** to Roof Supports using #8 Hardware **(H152)**.

3. Position Roof Boards **(245)** on Roof Supports **(360) (361)** between Roof Frame Top/Bottom Boards **(306)**. Center Roof Boards **(245)** on Roof Supports **(360) (361)**, space evenly, and attach using #8 Hardware **(H152)**.

4. After attaching the first 5-6 Roof Boards **(245)** on each side of the roof, center and attach Roof Runner **(297)** to Roof Boards using #8 Hardware **(H194)** and to Roof Frame Top/Bottom Boards **(306)** using #8 Hardware **(H152)**.

5. Finish attaching Roof Boards **(245)** to Roof Supports **(360) (361)** using #8 Hardware **(H152)** and to Roof Runner **(297)** using #8 Hardware **(H194)**.

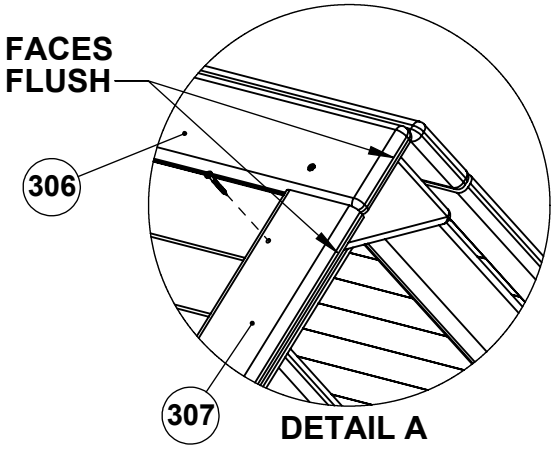


Step 29

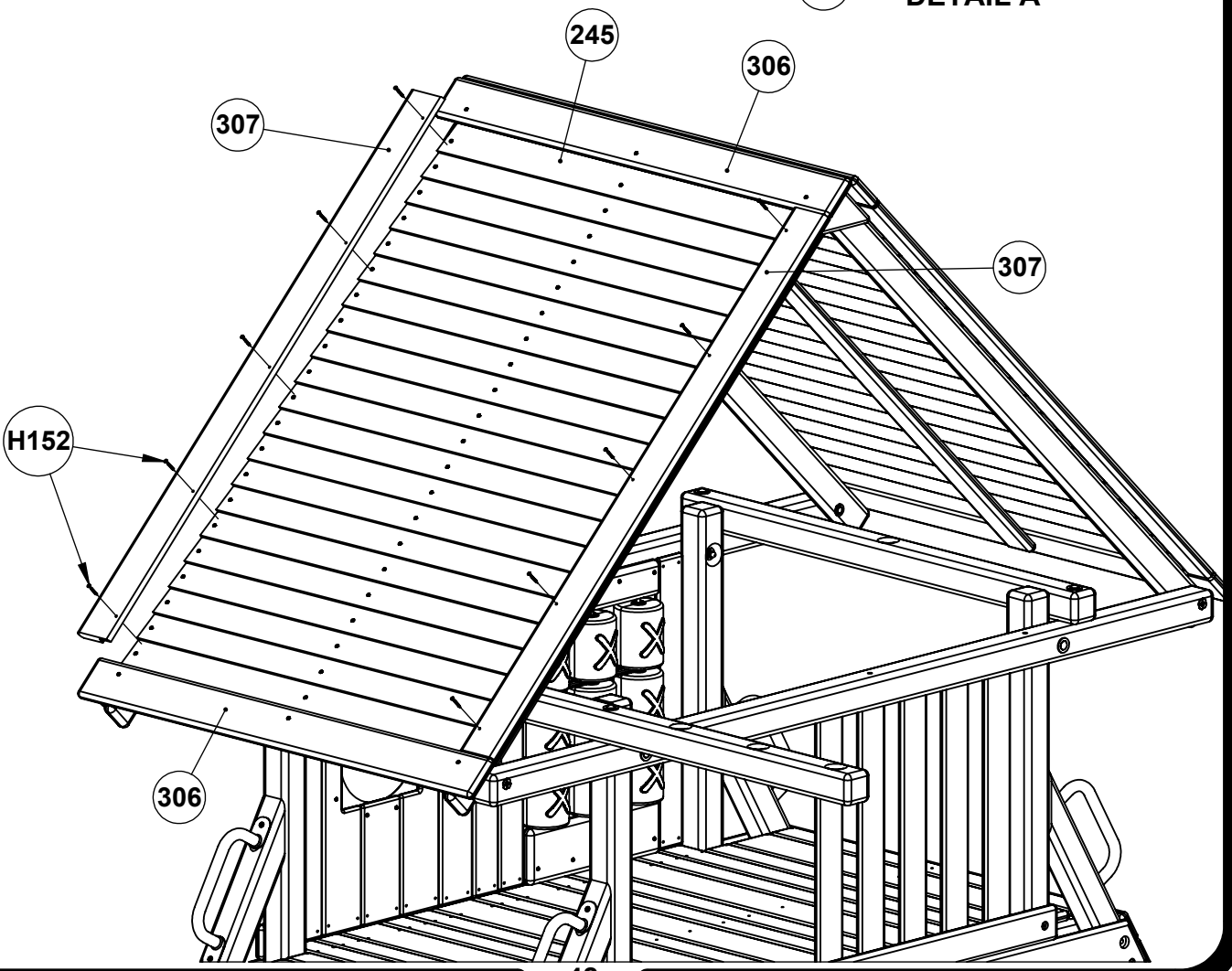
Wood Roof Installation

1. Position Roof Frame Sides **(307)** in locations shown and attach to Roof Boards **(245)** using #8 Hardware **(H152)**. When properly assembled, outside faces of Roof Frame Top **(306)** and Roof Frame Sides **(307)** should be flush (as shown in DETAIL A).

2. Repeat for other side of Roof.



DETAIL A



Step 30

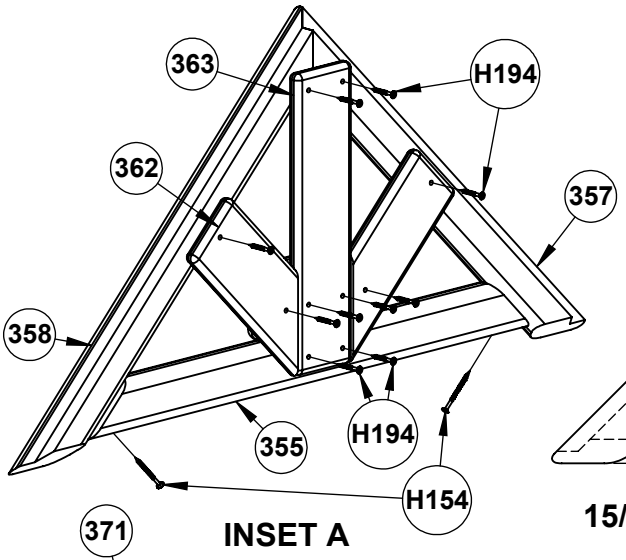
Dormer Assembly

1. On a flat surface arrange Right Dormer Support **(358)**, Left Dormer Support **(357)**, and Fan Horizontal **(355)** (as shown in Inset A & B) using #8 Hardware **(H154)**.
2. Position Fan Center **(356)**, Fan Vertical **(363)** and Fan Rays **(362)** (as shown in Inset A & B) and attach using #8 Hardware **(H194)**.

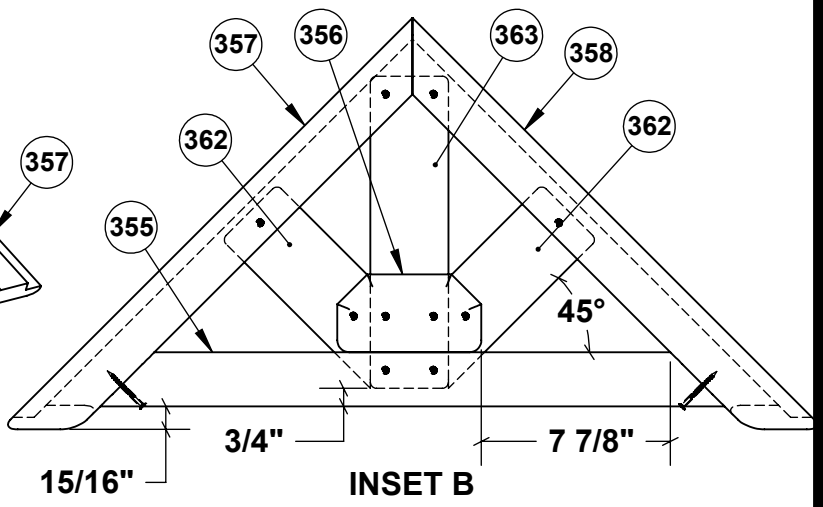
3. Attach top two Roof Boards **(364) (371)** to Dormer Supports **(357) (358)** using #8 Hardware **(H194)**. Do not leave gaps at the peak between the top two Dormer Boards. For ease of assembly, only put one screw in each Dormer Board until all Dormer Boards are installed. Then put the second screw in each Board.

4. Continue attaching all Roof Boards to Dormer Supports **(357) (358)** using #8 Hardware **(H194)**.

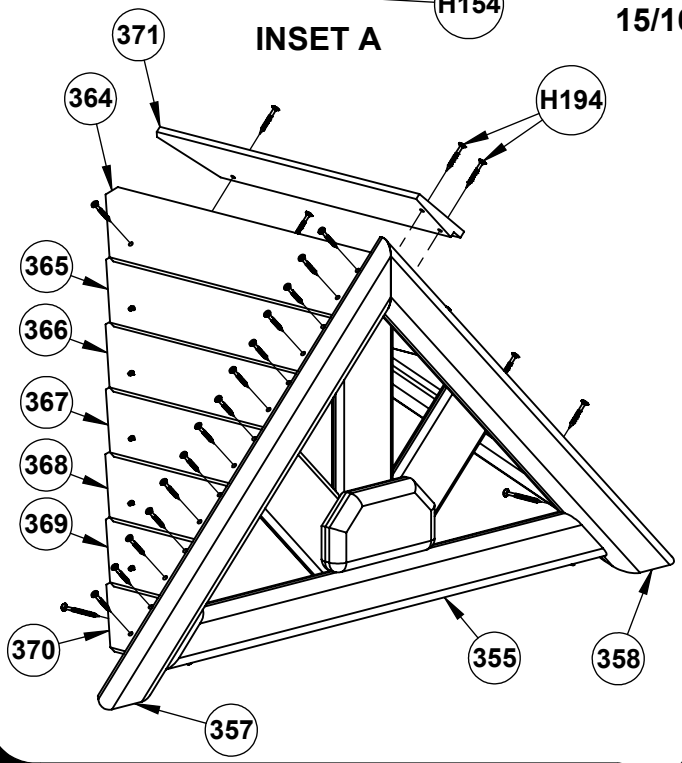
5. Position Dormer Runners **(380)** (as shown in lower right diagram) and attach to Roof Boards using #8 Hardware **(H194)** and to Dormer Supports **(357) (358)** using #8 Hardware **(H154)**. When Dormer Runners **(380)** are properly installed, they should measure approximately **3/4"** in from the farthest point on the Dormer Boards.

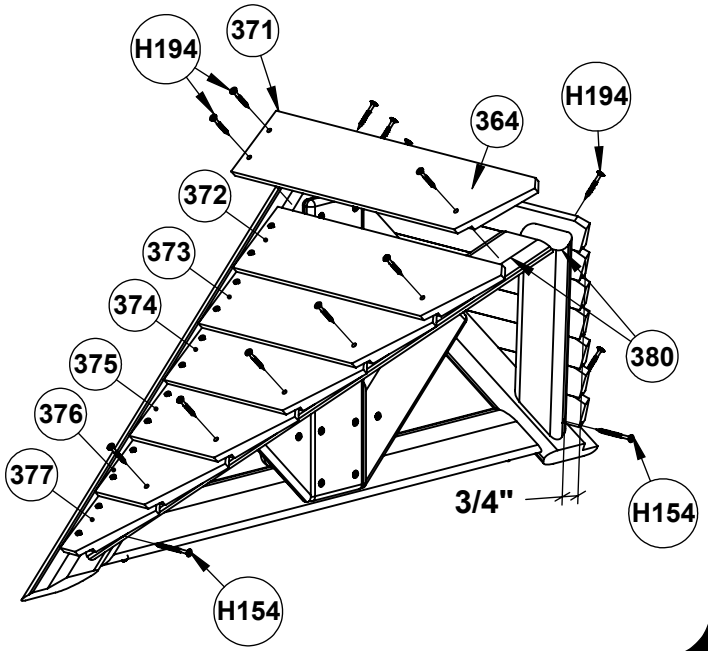


INSET A



INSET B



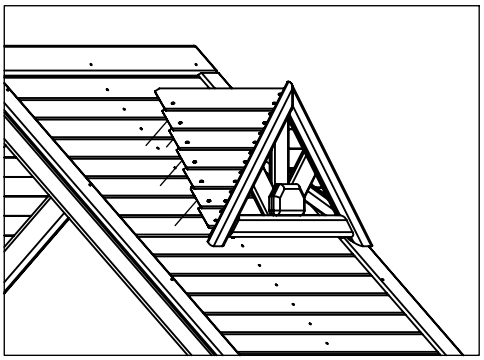


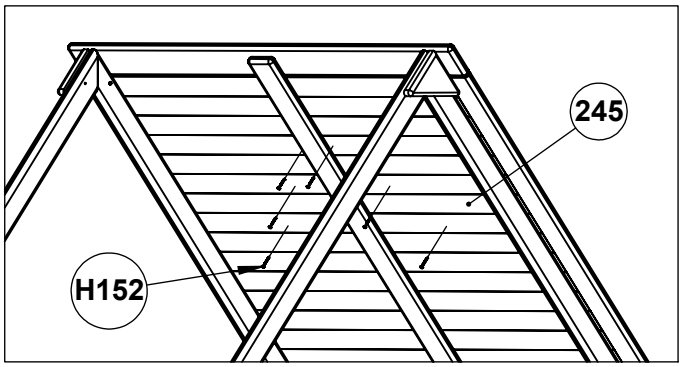
Step 31

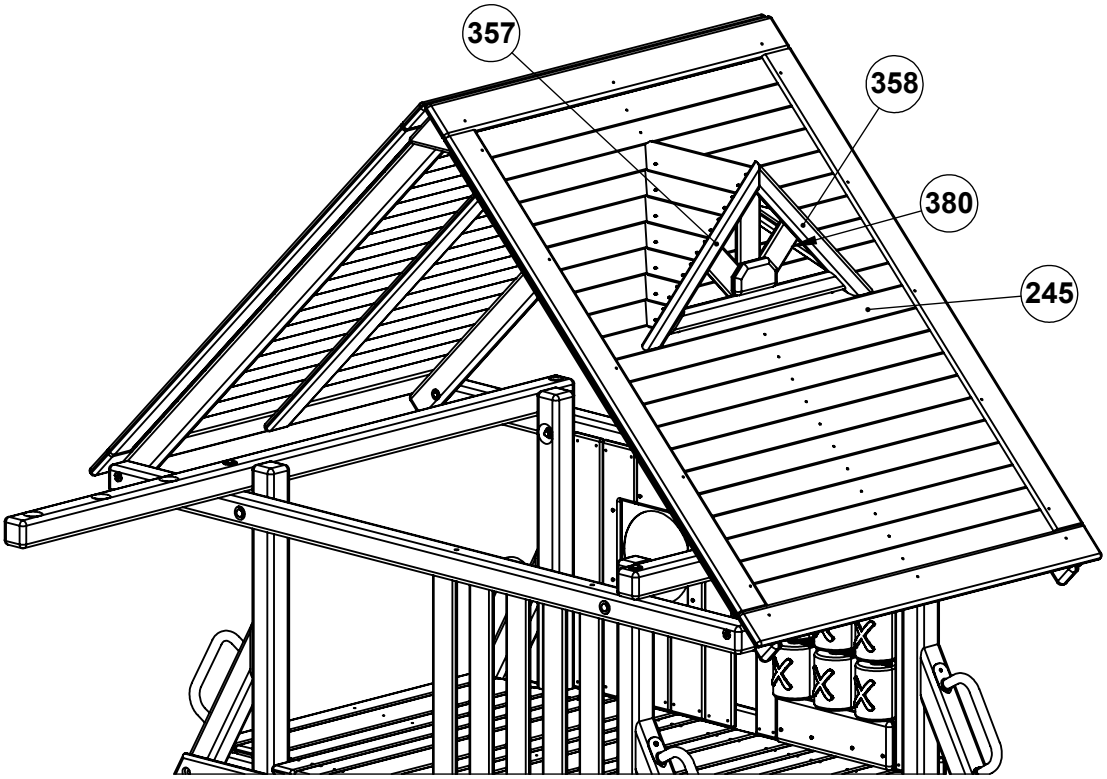
Dormer Installation

1. Position Dormer assembly on roof. Dormer assembly should be centered horizontally and Dormer Supports **(357) (358)** should be flush with the bottom edge of a Roof Board **(245)**.

2. Attach Dormer assembly to the roof through Roof Boards **(245)** and into Dormer Runners **(380)** using six #8 Screws **(H152)**.







Step 32

Chimney Installation

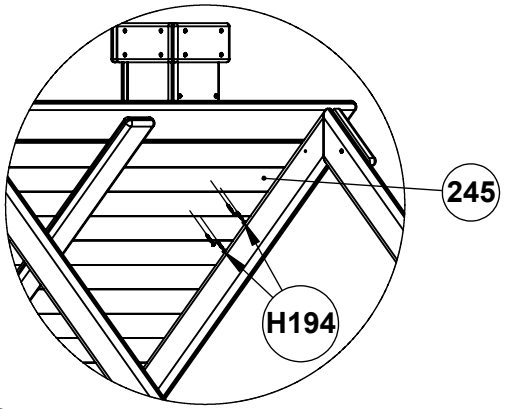
1. On a flat surface, stand Chimney Sides **(382)**, Chimney Back **(379)**, and Chimney Front **(378)** on end as shown and attach using #8 Hardware **(H194)**. Angled faces should be flush (as shown in INSET A).

2. Center Chimney Trim **(329)** pieces on Chimney Sides **(382)** and attach using #8 Hardware **(H194)**.

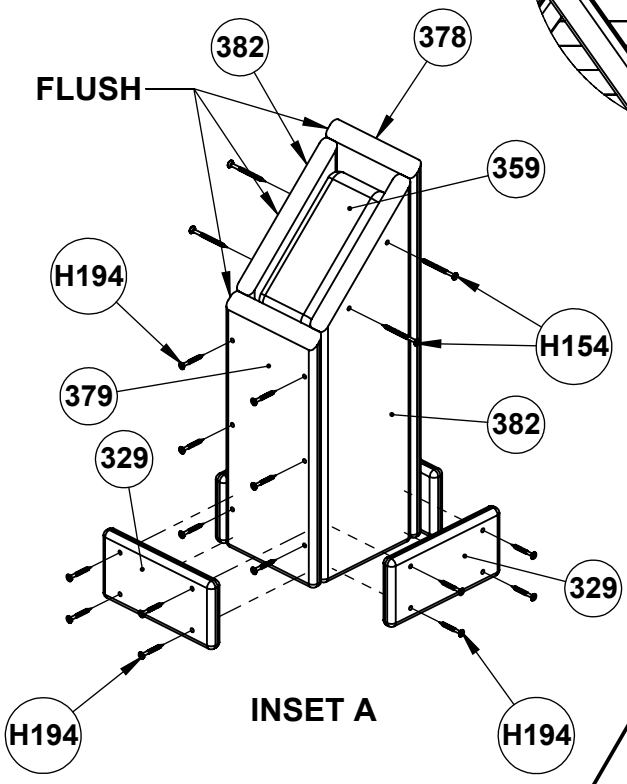
3. Center Chimney Trim **(329)** pieces on Chimney Back **(379)** and Chimney Front **(378)** and attach using #8 Hardware **(H194)**.

4. Place Chimney Block **(359)** flush with angled faces of Chimney Sides **(382)** and attach through Chimney Sides **(382)** using #8 Hardware **(H154)**.

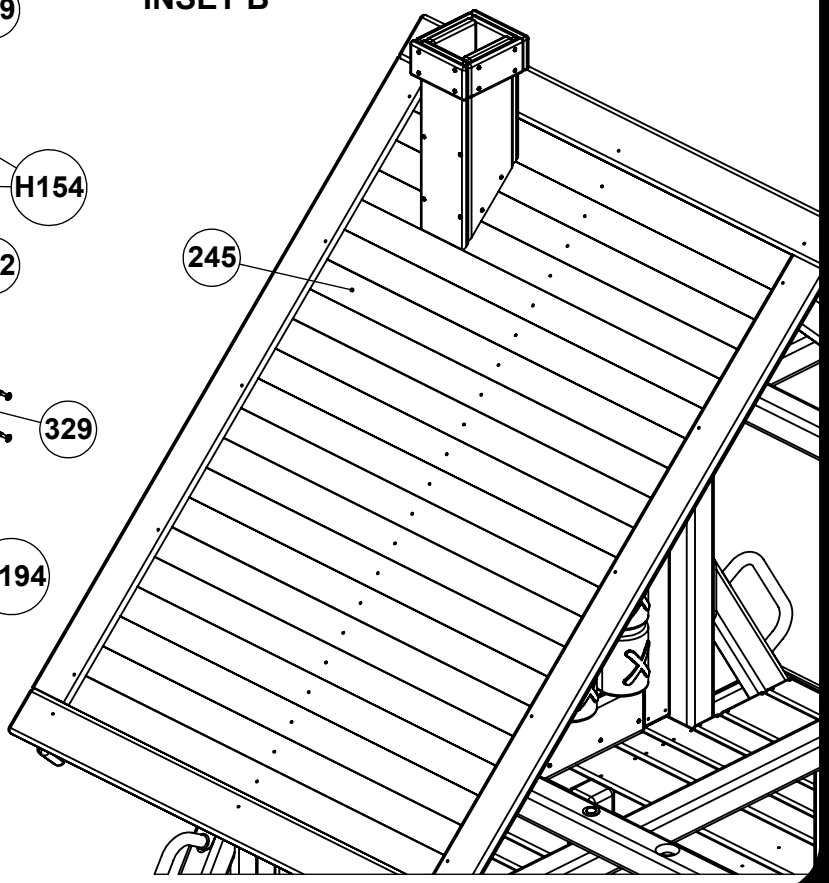
5. Position Chimney assembly on roof in desired location and attach through the underside of the Roof Boards **(245)** into Chimney Block **(359)** using #8 Hardware **(H194)**.



INSET B



INSET A

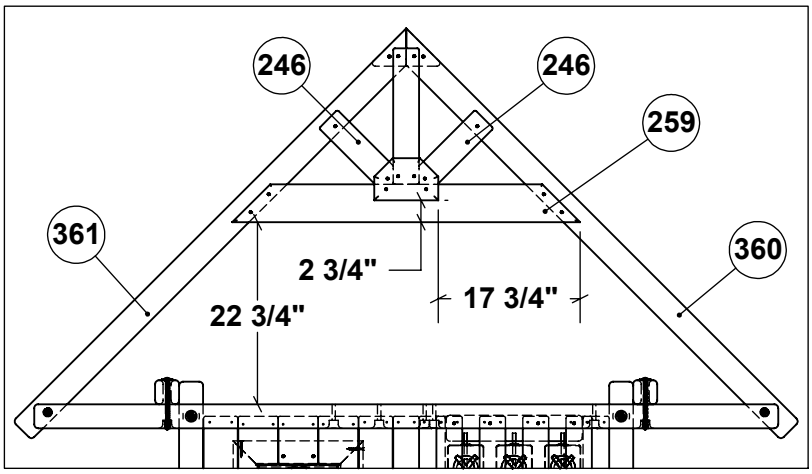


Step 33

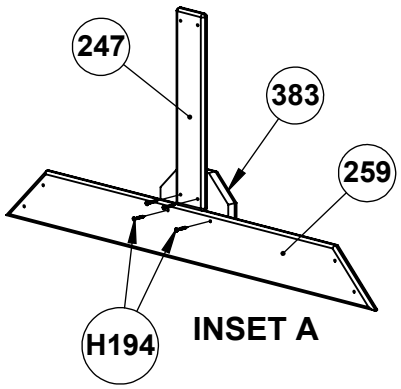
Fan Installation

***NOTE: Over-tightening screws in fan may cause wood to split.**

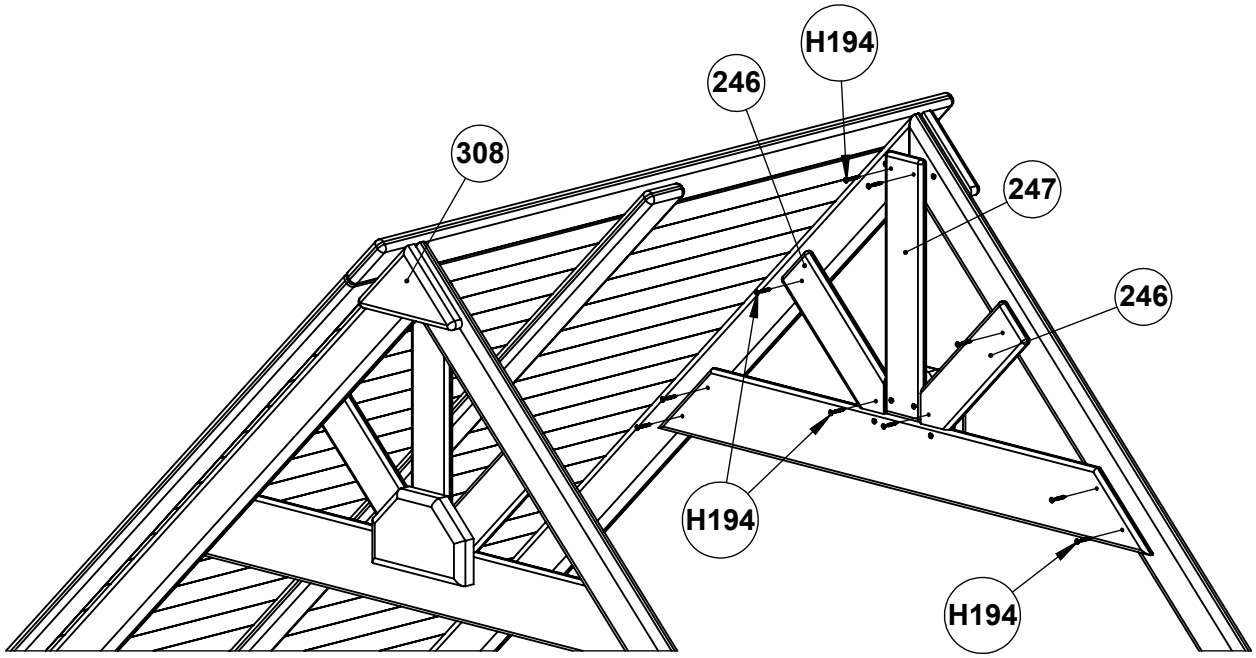
1. On a flat surface, place the Fan Center **(383)**, Fan Horizontal **(259)**, and Fan Vertical **(247)** (as shown in INSET A and INSET B). The Fan Horizontal **(259)** should extend out past the Fan Center **(383)** approximately **17 3/4"** on each side, and the bottom of the Fan Center **(383)** should be **2 3/4"** up from the bottom of the Fan Horizontal **(259)** (as shown in INSET A and INSET B).
2. Attach Fan Horizontal **(259)** and Fan Vertical **(247)** to Fan Center **(383)** using #8 Hardware **(H194)**.
3. Position assembly against the inside of Roof Supports **(360) (361)** approximately **22 3/4"** up from the Top Joist (as shown in INSET B) and attach using #8 Hardware **(H194)**.
4. Position Fan Rays **(246)** (as shown) and attach using #8 Hardware **(H194)**.
5. Repeat for second fan.



INSET B



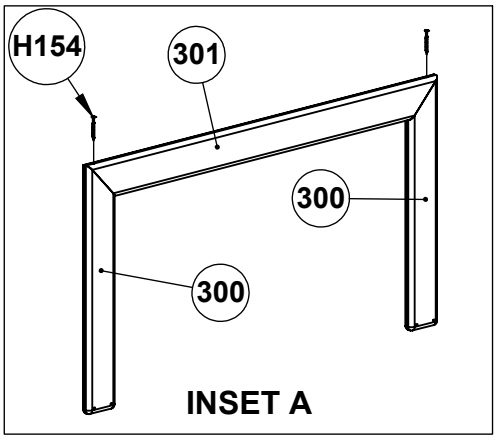
INSET A



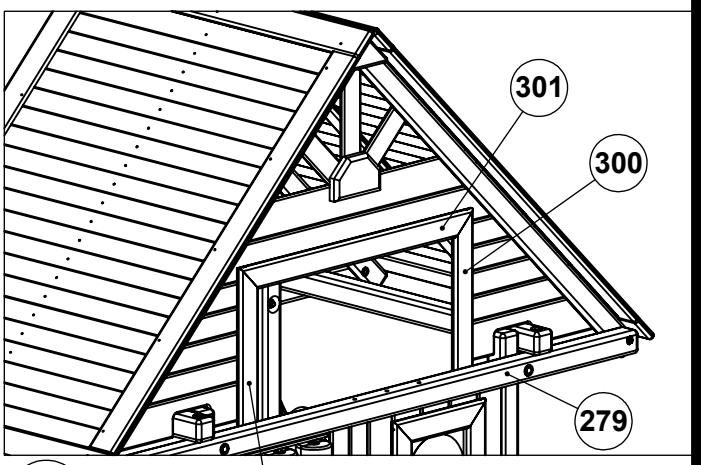
Step 34

Swing Beam Cabin Installation

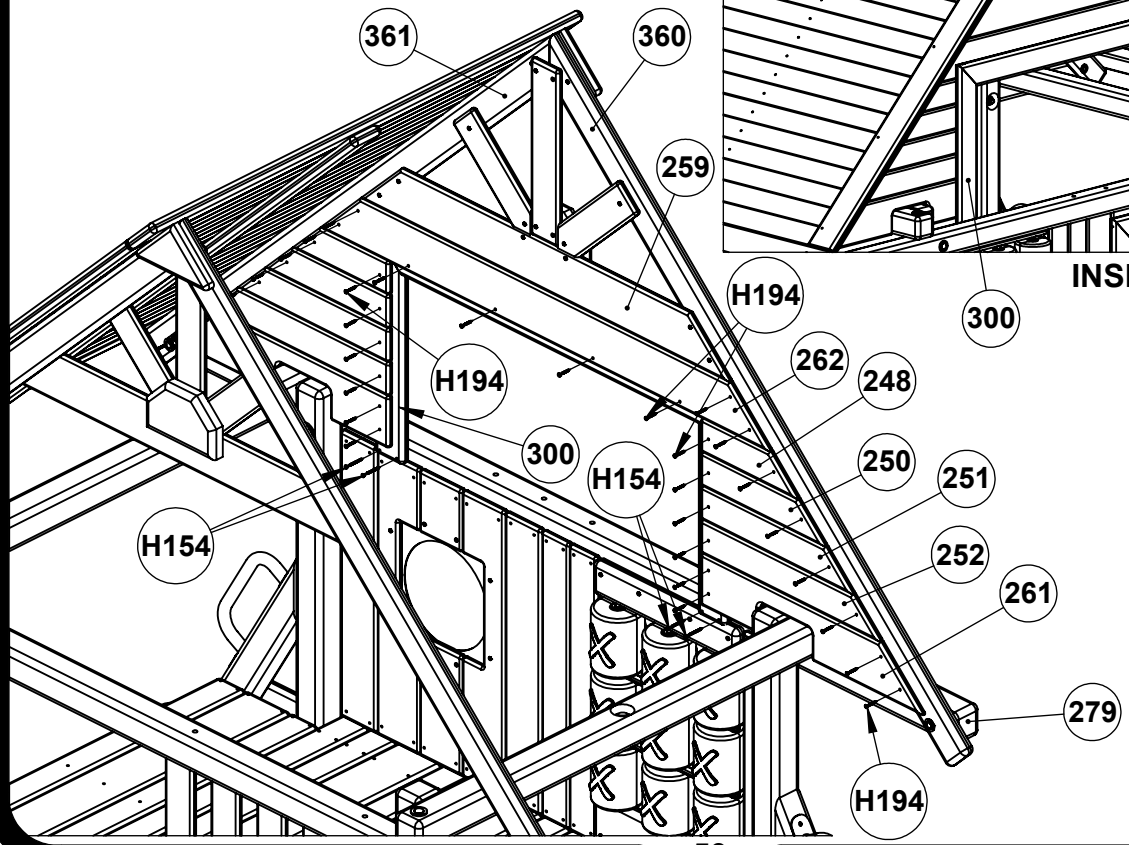
1. Position Window Trim pieces **(300) (301)** on the ground with the angled faces together (as shown in INSET A). Attach Window Trim pieces **(300) (301)** using #8 Hardware **(H154)**.
2. From the inside of the set, attach Notched Cabin Horizontals **(261)** to Roof Supports **(360) (361)** on the Swing Beam side of the set using #8 Hardware **(H194)**.
3. Position Cabin Horizontals **(252) (251) (250) (248) (262)** as shown below and attach to Roof Supports **(360) (361)** using #8 Hardware **(H194)**. Angled Faces of Cabin Horizontals should be flush.
4. Position Window Trim Frame that was assembled in #1 against the outside of the Cabin around the opening. Window Trim boards **(300)** should be against the inside of the Top Joist with Swing Holes and directly on top of Rail Uprights.
5. Attach Notched Cabin Horizontal **(261)** and Cabin Horizontals **(252) (251) (250) (248) (262)** to Window Trim Boards using #8 Hardware **(H194)**.
6. Attach Window Trim boards **(300)** to Top Joist with Swing Holes **(279)** using #8 Hardware **(H154)**. When completed, Cabin should look as shown in INSET B.



INSET A



INSET B



Step 35

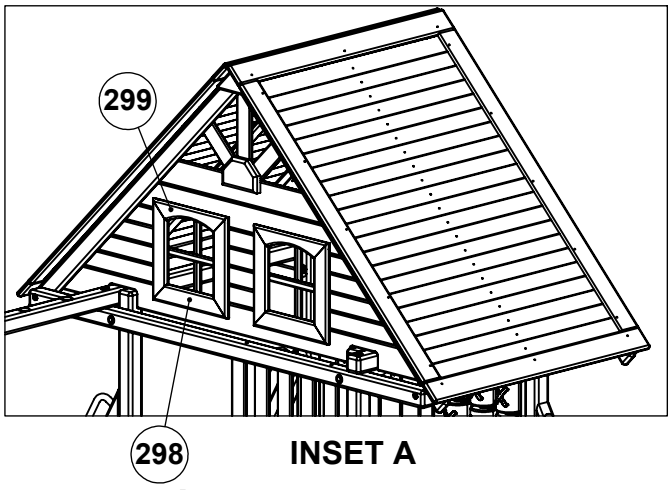
Cabin Installation

1. On a flat surface, position Window Trim **(298)** and Arched Window Trim **(299)** in a square (as shown in INSET B) and attach using #8 Hardware **(H154)**.

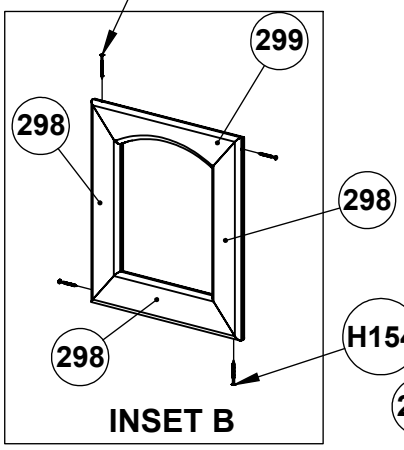
2. From the inside of the set, attach Notched Cabin Horizontal **(260)** to Roof Supports **(360) (361)** using #8 Hardware **(H194)**.
3. Position angled Cabin Horizontals **(252) (251) (250) (248) (262)** as shown below and attach to Roof Supports **(360) (361)** using #8 Hardware **(H194)**. Angled faces of Cabin Horizontals should be flush.

4. Position Window Frames that were assembled in #1 against the outside of the cabin in locations shown.
5. Attach Notched Cabin Horizontal **(260)** and Cabin Horizontals **(252) (251) (250) (248) (262)** to Window Trim boards **(298) (299)** using #8 Hardware **(H194)**.
6. Center Cabin Horizontals **(249)** and attach to Window Trim boards **(298)** using #8 Hardware **(H194)**.

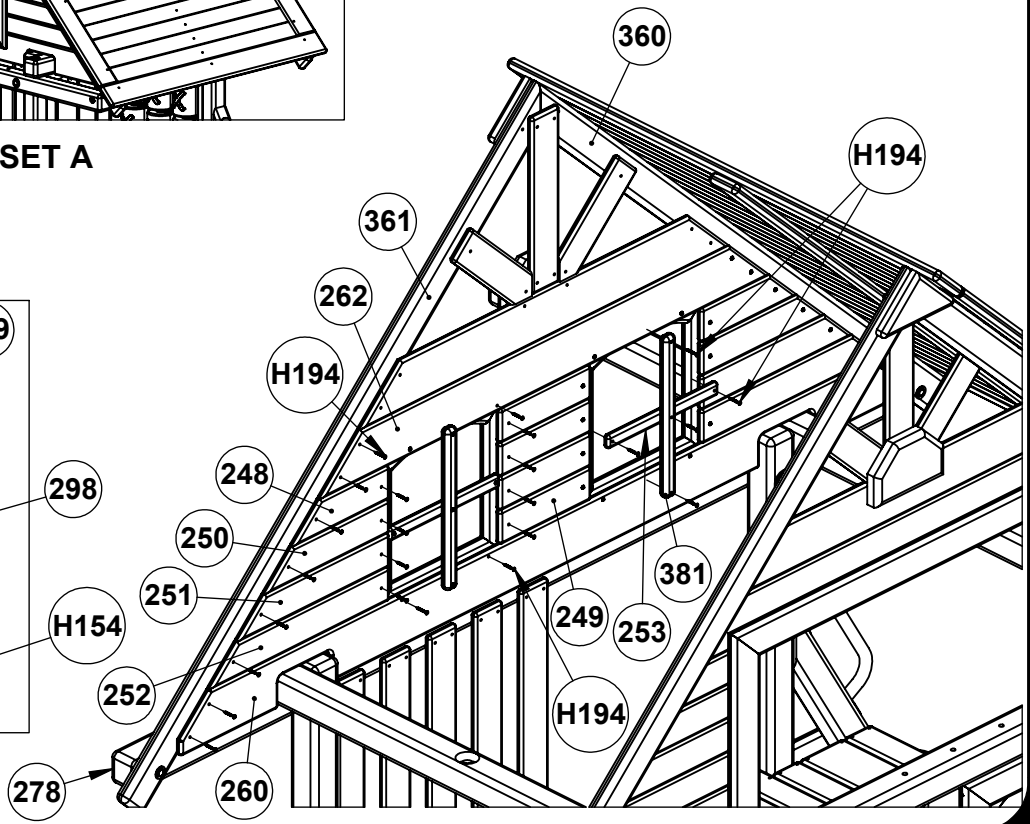
7. Center Window Horizontals **(253)** in the cabin openings and attach to Window Trim **(298)** using #8 Hardware **(H194)**. Center Window Verticals **(381)** in cabin openings and attach to Cabin Horizontals and Window Horizontals **(253)** using #8 Hardware **(H194)**. When completed, Cabin should look as shown in INSET A.



INSET A



INSET B

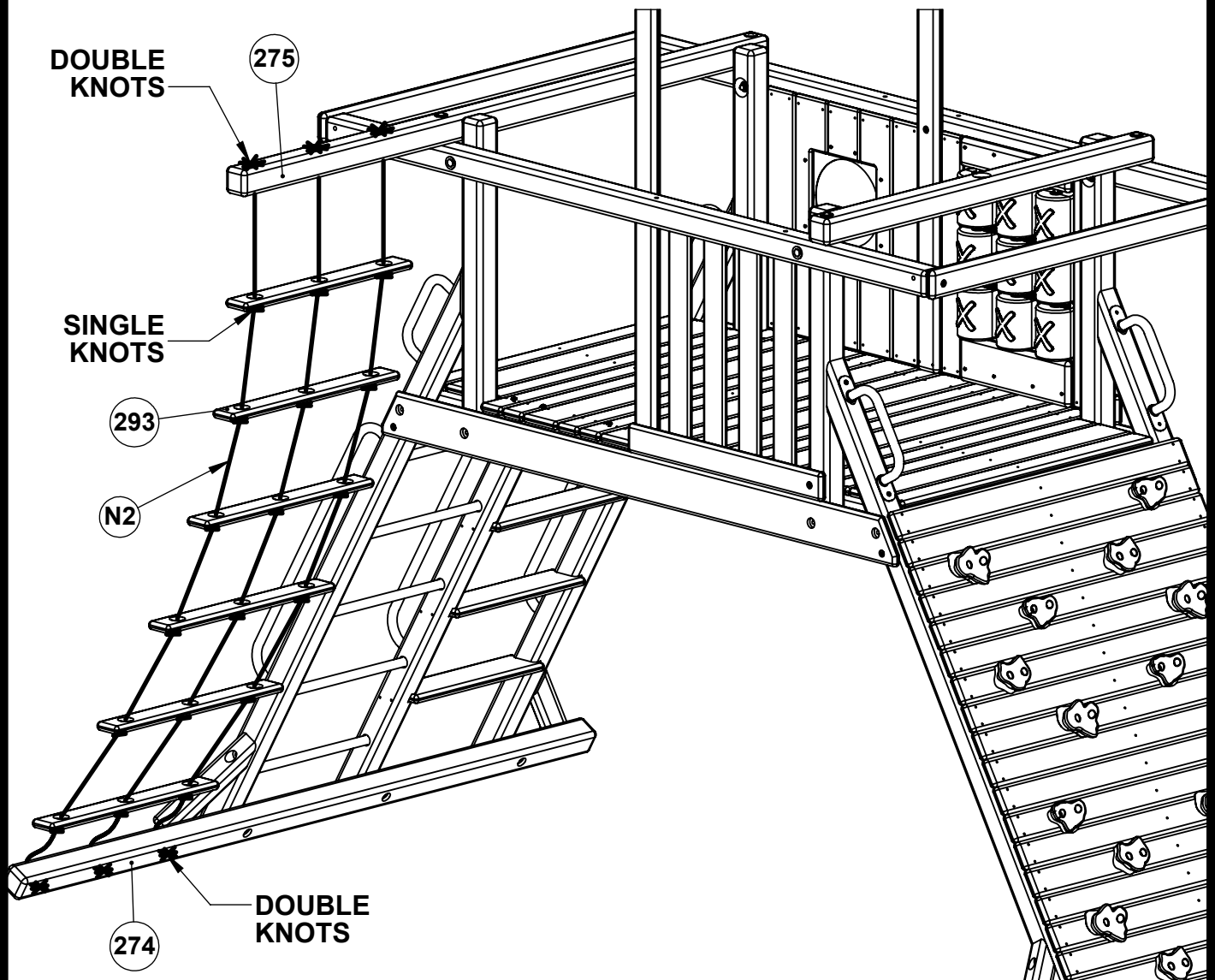


Step 36

Rope Ladder Installation

***WARNING: TO PREVENT THE RISK OF STRANGULATION, KNOTS MUST BE TIED IN ROPE AND ROPE MUST BE SECURE AT BOTH ENDS. ROPE MUST BE TIGHT ENOUGH THAT IT CANNOT BE LOOPED BACK ON ITSELF, AND NO MORE THAN 12" OF ROPE SHOULD BE LEFT AFTER TYING DOUBLE KNOTS AT THE TOP AND BOTTOM OF THE ROPE.**

1. Thread 14' Ropes **(N2)** up through the bottom of the Upper Rope Arm **(275)** and tie a double knot.
2. Slide one Rope Rung **(293)** up on Ropes **(N2)** with approximately **11" - 12"** between the bottom of the Upper Rope Arm **(275)** and the top of the Rope Rung **(293)** and tie a single knot on each Rope directly below the Rope Rung.
3. Repeat part 2 for the five remaining Rope Rungs **(293)**. Rope Rungs should be spaced approximately **11" - 12"** apart.
4. Thread Ropes **(N2)** through the Lower Rope Runner **(274)** and pull Ropes tight. Tie a double knot on the back side of the Lower Rope Runner.



Step 37

Stake Installation

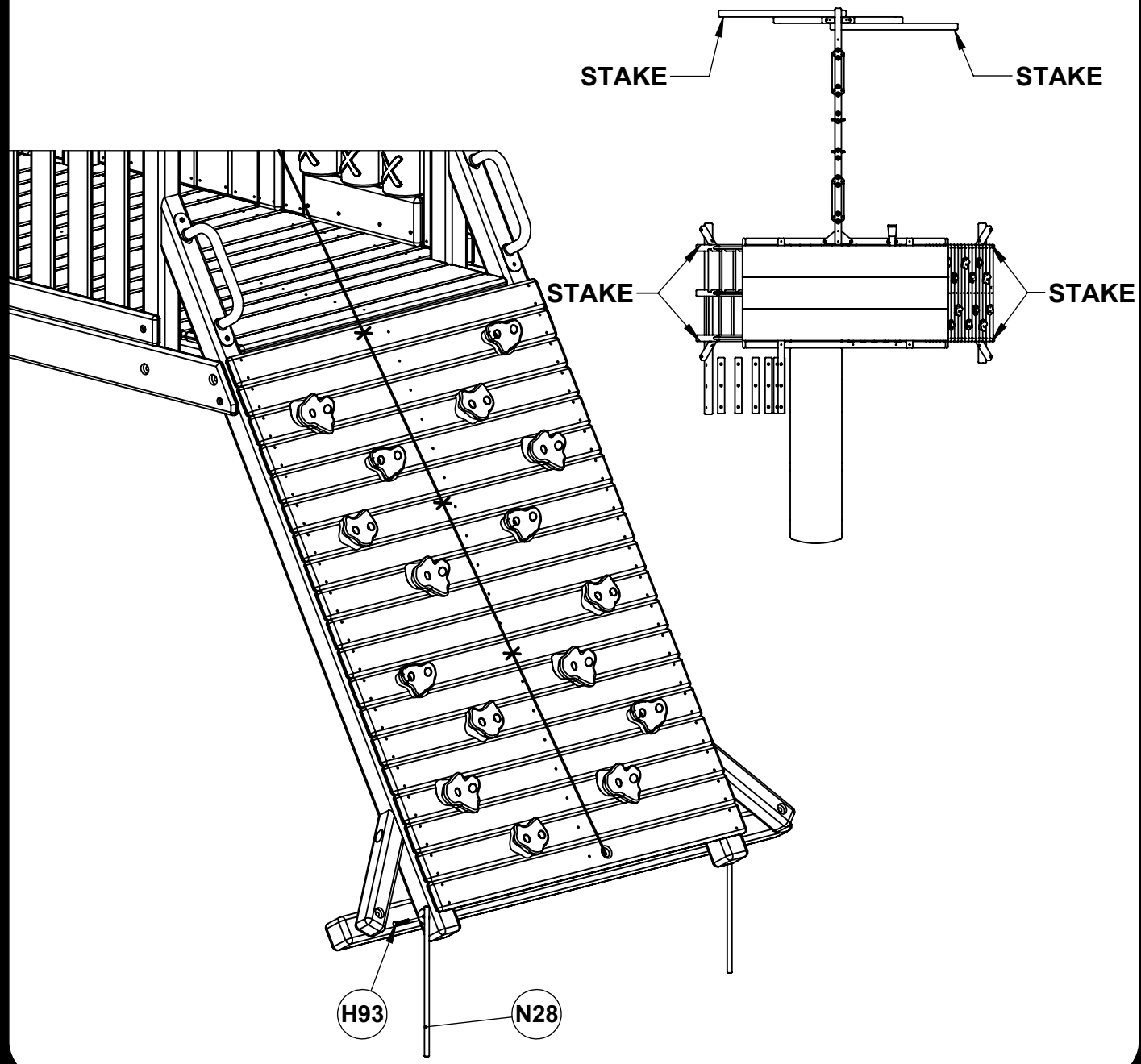
***NOTE: Do not hit washer while pounding Stakes (N28) into the ground.**

***NOTE: Stakes must be installed as close as possible to Ladder Legs and Swing Beam Legs.**

***NOTE: For maximum strength, drive stakes into the ground at a slight angle.**

***WARNING: ALL UNDERGROUND UTILITIES MUST BE LOCATED BEFORE ANCHORING PLAY SET.**

1. Drive Stakes **(N28)** into the ground (in locations shown) and attach to Ladder Legs and Swing Beam Legs using 1/4" Hardware **(H93)**. Stakes should extend approximately **2" - 4"** above the ground.



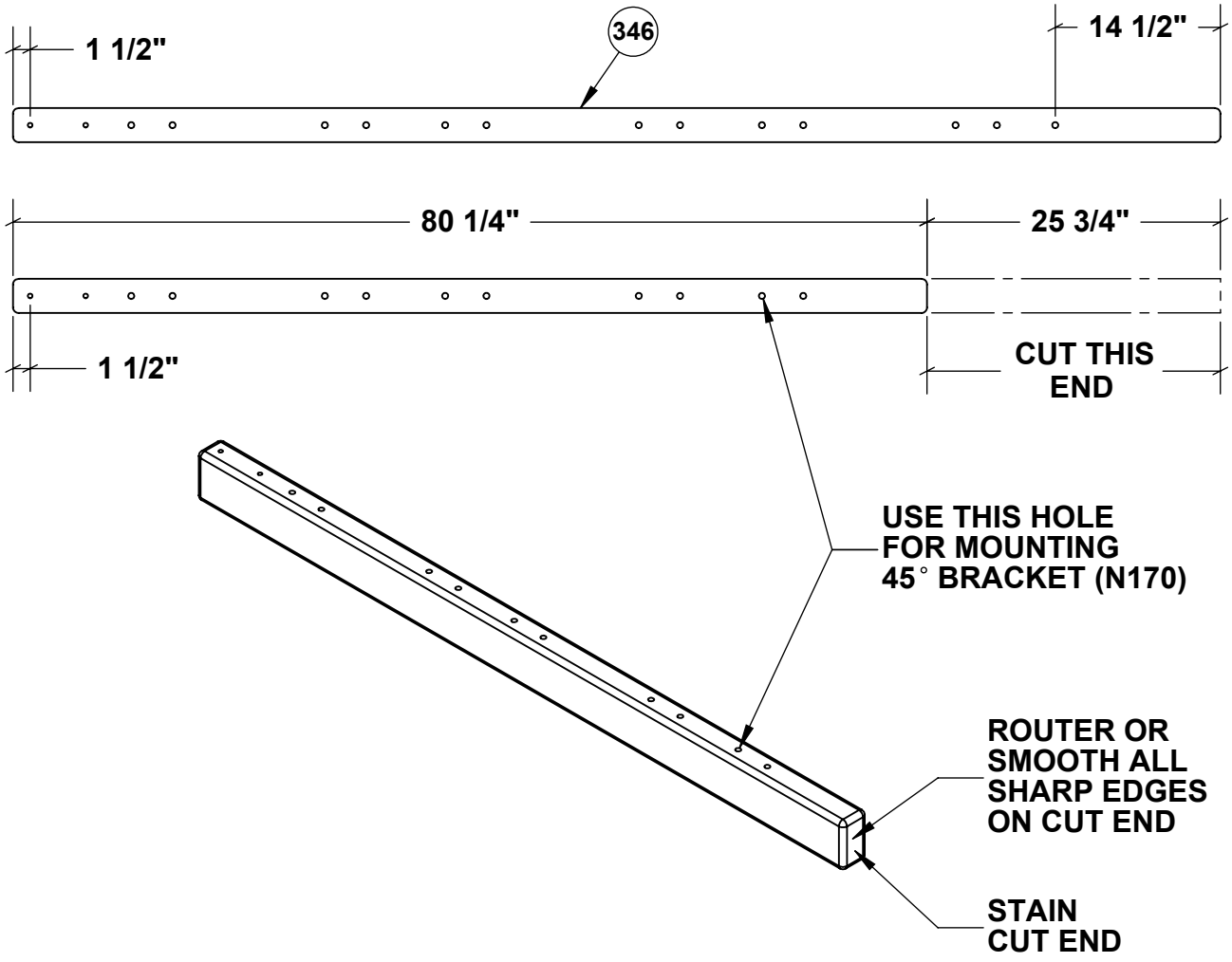
Step 38

2 Position Swing Beam Modification

***NOTE: Be sure proper end is cut as specified in the diagrams below.**

1. Cut **25 3/4"** off of the outer end of Swing Beam **(346)** (as shown).
2. Router all sharp edges of cut end of Swing Beam **(346)**.
3. Stain cut end of Swing Beam with a non-toxic water sealant intended for outdoor use.

***NOTE: When installing modified Swing Beam (346) use second hole in for mounting 45° Bracket (N170) (as specified).**



Limited Seven-Year and One-Year Warranties

This warranty covers Fiesta, Backyard Circus, and Carnival Box Kits

Please supervise your children's play activity and maintain your play equipment periodically as specified in the owner's manual.

Subject to proper installation and normal residential use, Rainbow Play Systems, Inc. warrants to the original retail purchaser:

• all China **WOODEN COMPONENTS** including Cunninghamia Lanceolata against structural failure due to wood rot or insect infestation for a period of **SEVEN YEARS**. Peeling, splintering, minor cracking caused by weather, surface cracks, knot holes and knots are natural characteristics of all wooden play equipment. Such imperfections that do not affect the structural integrity or are caused by everyday wear and tear are not covered under this warranty.

• all NON-WOODEN PARTS (including, but not limited to, all tarps, chain, seats, screws, powder-coated parts (brackets, rungs and handles), ships wheel, periscope, rocks, trapeze bar, and accessories) will be free from defects in material and workmanship for a period of ONE YEAR from the date of purchase. For purposes of any warranty offered by Rainbow Play Systems, the following are not considered defects in materials and workmanship if they do not affect the functionality or the structural integrity of the component or system: (1) cosmetic cracks in plastic components; (2) surface rust on hardware, swing hangers, connectors, or powder-coated components; and (3) fading of any component or accessory.

Merchandise covered under the above warranties will be repaired or replaced, at Rainbow's option, and shipped at the customer's expense to the customer per Rainbow's normal method and timing of shipments. Expedited shipping to the showroom location or to customer's designated location is also available but must be fully prepaid by the customer prior to shipment. All labor costs, travel expenses and any other charges involved in the installation or replacement of the parts incurred by the Rainbow showroom (or by the showroom's authorized agents or installers) handling your warranty work will be the original purchaser's responsibility. The warranty coverage described in this paragraph is the original purchaser's sole and exclusive remedy. The warranty coverage described in this paragraph also lasts only as long as the original purchaser owns the play system and terminates if the original purchaser sells or otherwise transfers the unit.

It is recommended that you affix your original sales receipt to the Owners Manual and retain these documents for your records. **NO WARRANTY CLAIMS CAN BE PROCESSED WITHOUT A COPY OF YOUR ORIGINAL SALES RECEIPT FROM AN AUTHORIZED RAINBOW RETAILER**. Rainbow Play Systems, Inc. reserves the right to examine photographs or physical evidence of merchandise claimed to be defective, and to recover said merchandise, prior to disposition of warranty claims. Merchandise returned to our factory for examination or recovery must be shipped freight prepaid.
For purposes of any warranty offered by Rainbow, the following are not considered defects in materials and workmanship if they do not affect the functionality or structural integrity of the component or system: (1) non-properly installed equipment (2) installed for non-residential use (3) cracks in plastic components; (4) surface rust on hardware, swing hangers, connectors, or powder-coated components; and (5) fading of any component or accessory without limitation.

USE OF THIS PLAYSET IN ANYTHING OTHER THAN A RESIDENTIAL SETTING OR APPLICATION VOIDS ALL WARRANTY COVERAGES AS DESCRIBED HEREIN. Failure to maintain the play system properly - including, without limitation and by way of example only, not staining the unit or not checking or tightening the hardware as specified in the owner's manual - may cause the warranties described herein not to apply in certain circumstances. No warranty is offered on the following: (1) equipment subjected to abuse, negligence, improper installation, vandalism, acts of God, unauthorized alteration or attachment of equipment other than authorized Rainbow® accessories; or (2) equipment subjected to improper use, service or repair.

To the maximum extent permitted by law, this warranty and the remedies set forth herein are exclusive and expressly in lieu of all other warranties, expressed or implied, including warranties of merchantability or fitness for a particular purpose. If Rainbow Play Systems, Inc. cannot disclaim or exclude implied warranties under applicable law, then to the extent possible any claims under any such implied warranties shall expire on expiration of the applicable warranty period. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Rainbow Play Systems, Inc. does not assume, or authorize any person to assume for us, any other liability in connection with the sale of our products.

To the maximum extent permitted by law, Rainbow Play Systems, Inc. assumes no responsibility for incidental or consequential damages which may arise from the purchase or use of our equipment. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

If any provision of this limited warranty is invalid, void or unenforceable in any instance or respect, the unenforceable provision will be severed and reformed to affect the intent of this limited warranty to the maximum extent possible, and the remaining provisions shall continue in full force and effect and shall be enforced to the full extent permitted by law.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Rainbow reserves the right at any time to change product specifications or substitute similar components.

PLEASE REGISTER YOUR PRODUCT ONLINE at http://register.rainbowplay.com **WITHIN 30 DAYS OF INSTALLATION OF YOUR PLAY SET. THIS REGISTRATION WILL BE USED ONLY FOR INTERNAL RECORDKEEPING PURPOSES AND TO VERIFY ORIGINAL OWNERSHIP OF YOUR PLAY SET.**

For warranty service, contact:

1-800-RAINBOW
or
http://register.rainbowplay.com