



PLAY SYSTEMS, INC.®
FINE RESIDENTIAL PLAY EQUIPMENT

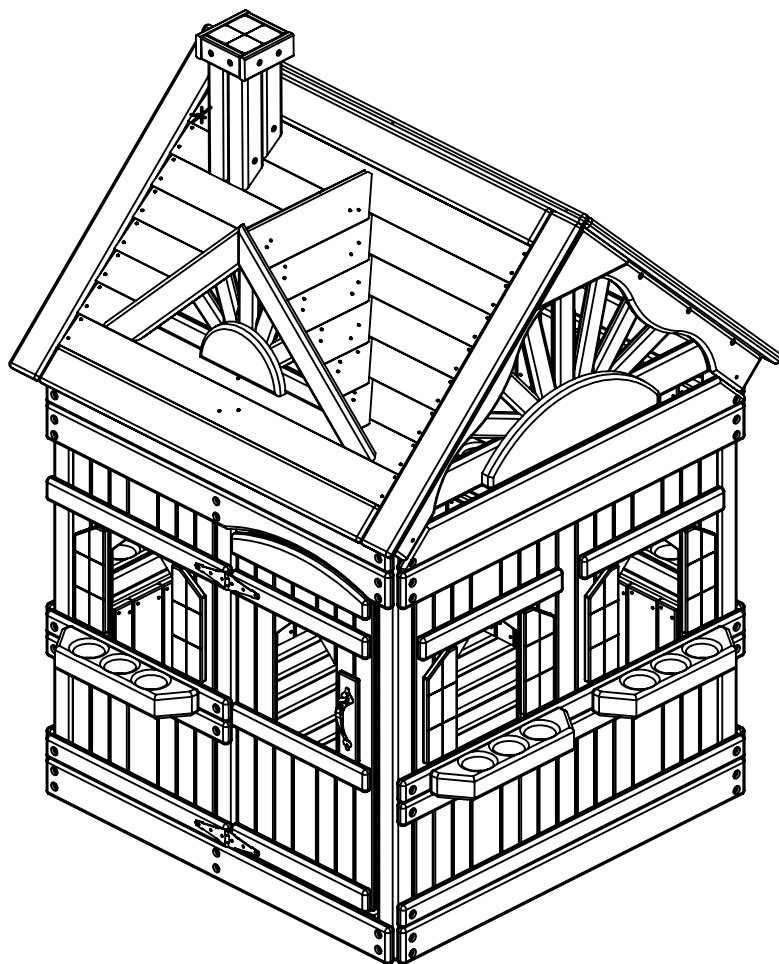
Rainbow Playhouse

Assembly Instructions

5-70-0263

(Rev 0 - 1-11-11)

Contains Assembly, Use, and Maintenance Instructions



NOTICE: This residential play structure is intended for use by children ages 3-12.

⚠ 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.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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Thoroughly read all Safety Instructions on pages 1-4 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.

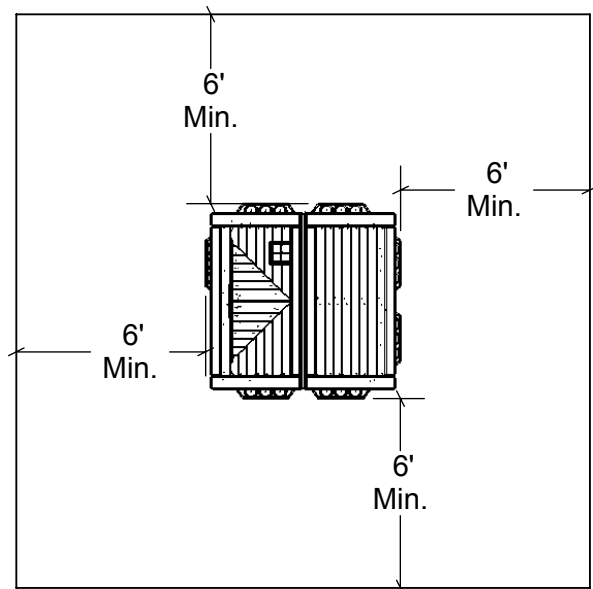
1. **IT IS RECOMMENDED** that no more than 6-10 children, not exceeding a combined weight of 1,000 pounds, play on the system at one time. This product is recommended for children 3 to 12 years of age.
2. **CLOSE ADULT SUPERVISION** is required, especially for younger children.
3. **WARN CHILDREN TO 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 or trapeze bar.
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 which could become entangled or snagged on 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, and pet leashes 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.

Rainbow Playhouse		
Package	Set Dimensions (L x W)	Play Zone
Pack 1	6' x 6'	12' x 12'



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/cpsc/pub/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"	<u>9"</u>	12"	13"
Double Shredded Bark Mulch	6"	6"	6"	6"	7"	8"	9"	9 3/4"	10 1/2"	<u>11 1/2"</u>	12"	13"
Engineered Wood Fibers	6"	6"	6"	7"	8 1/2"	9"	9 1/2"	10 1/4"	10 3/4"	<u>11"</u>	10 3/4"	12"
Fine Sand	6"	6"	6 1/2"	8"	9"	10"	10 1/2"	11 1/4"	12"	<u>13 1/2"</u>	14 3/4"	16"
Coarse Sand	6"	6"	7 1/2"	9"	10 1/2"	12"	14"	16"	18"	<u>20"</u>	22"	24"
Fine Gravel	6"	6"	6"	6 3/4"	8"	9"	10"	10 3/4"	11 1/2"	<u>12"</u>	13 1/4"	14 1/2"
Medium Gravel	6"	6 1/4"	8"	9"	9"	12"	14"	16"	18"	<u>20"</u>	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.

Assembly safety

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.

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 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 36° Fahrenheit.
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.

WARNING

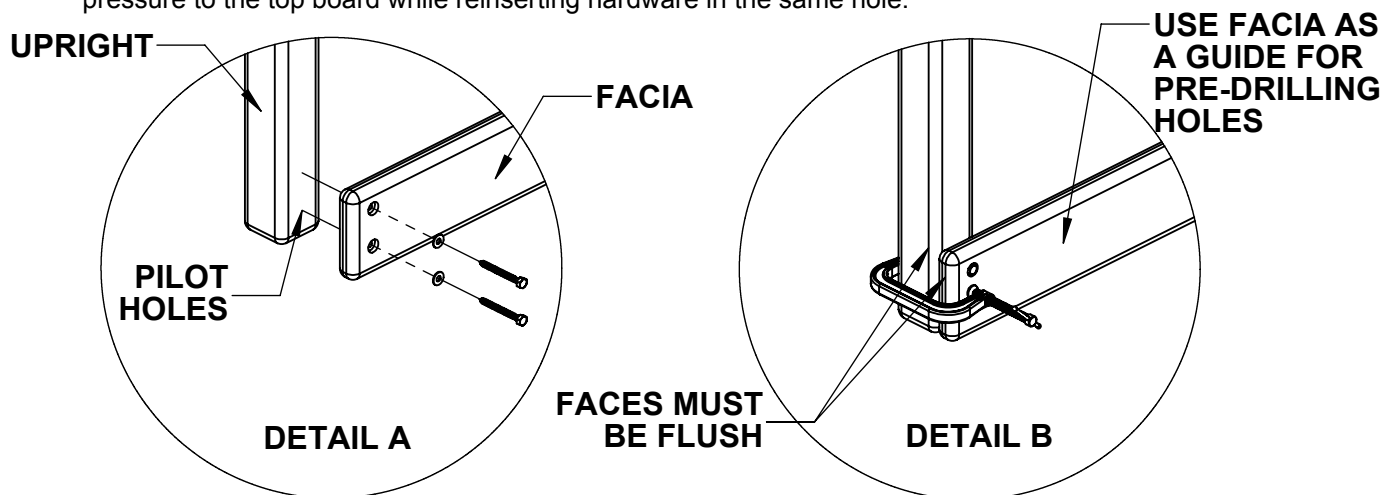
Drilling, sawing, sanding or machining wood products generates wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.

California Health and Safety Code Section 25249.6

Helpful Installation Hints

***NOTE: Refer to these assembly tips throughout the entire installation process.**

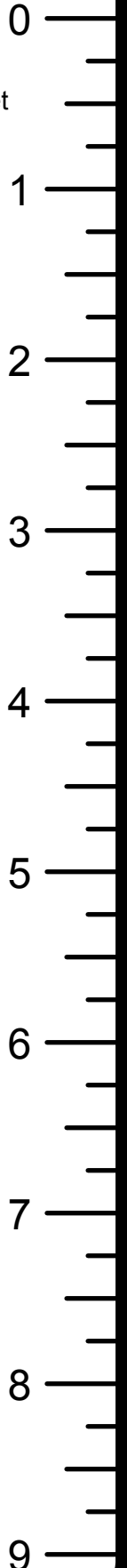
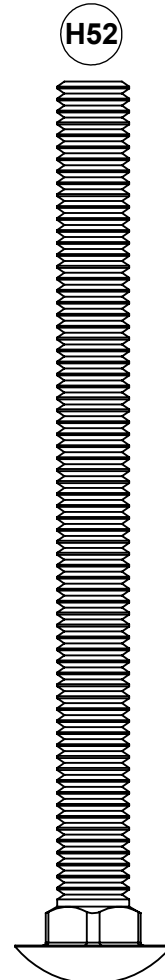
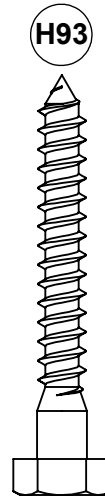
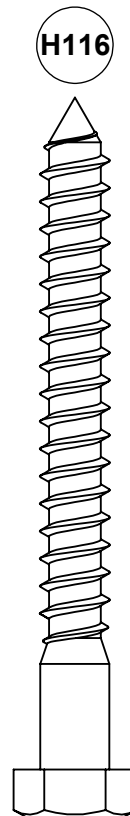
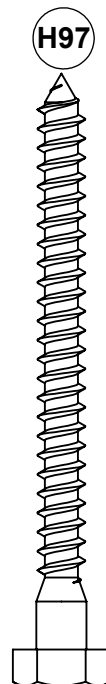
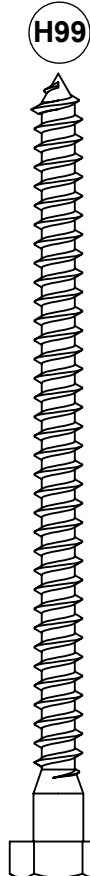
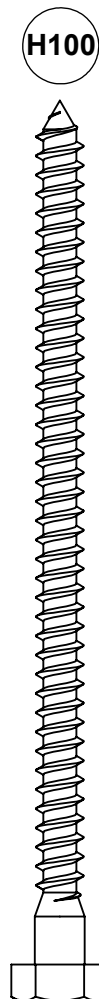
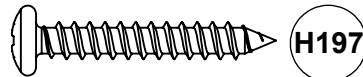
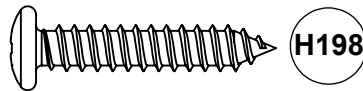
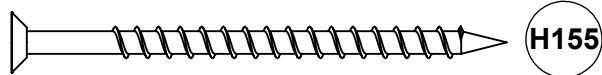
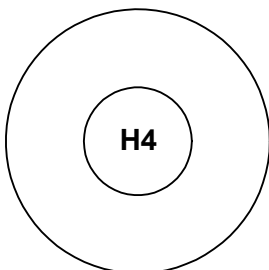
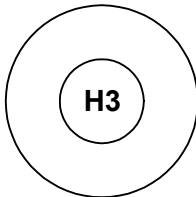
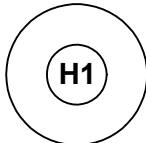
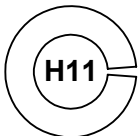
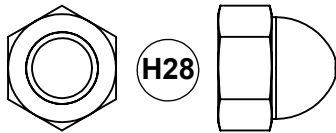
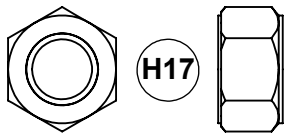
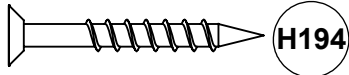
1. **After thoroughly reading all information and properly locating your play system site, carefully unpack parts.** As you unpack your play system, keep the parts list handy and become familiar with each part before beginning assembly. Remember that a little extra time spent familiarizing yourself with the parts and instructions before you begin will help avoid mistakes and save you time later.
2. **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.
3. **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.
4. **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.
5. **Certain** Steps of the assembly are best performed on a hard flat surface to ensure proper and accurate assembly.
6. **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.
7. **All** #14 Phillips Pan Head Tap Screws must have pre-drilled holes 1/2" deep. Use a 1/8" drill bit.
8. **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).
9. **Verify** Facias are flush with Uprights.
10. **Check** assembly periodically to ensure the set is level and all facias are square to the uprights.
11. 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.



TOOLS REQUIRED FOR ASSEMBLY

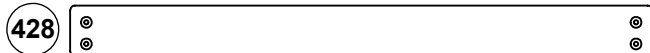
Carpenters Square
Carpenters Level
3/8" Deep Well Socket
7/16" Deep Well Socket
9/16" Deep Well Socket
8' Step Ladder
Safety Glasses
Utility Knife
Tape Measure

Claw Hammer
Wood Clamp
Standard or Cordless Drill
w/ #2 & #3 Phillips Bits
Electric Impact Gun or 1/4" & 3/8" Ratchet
1/8" Drill Bit
1/4" Drill Bit
Wood Saw
Adult Helper

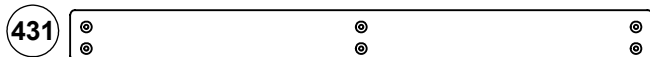


Rainbow Playhouse Base Parts List

F/N#	DESCRIPTION	DIMENSION	QTY	FOUND IN
H3	Flat Washer	3/8"	48	5-46-0249
H116	Lag Bolt	3/8" x 3 1/2"	48	5-46-0249
H157	Phillips Pan Head Tap Screw	#10 x 1"	4	5-46-0326
N83	Plaque		1	5-21-0719



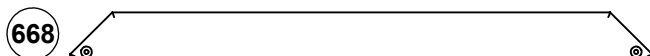
4 @ 2 x 6 x 60 5/8" 4 HOLE FACIA (1-04-0721)



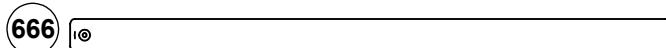
2 @ 2 x 6 x 60 5/8" 6 HOLE FACIA (1-04-0732)



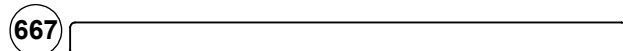
1 @ 2 x 6 x 60 5/8" RIGHT ARCHED FACIA (1-04-0802)



2 @ 2 x 6 x 60 5/8" ANGLED FACIA (1-04-0826)



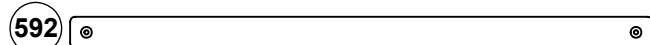
4 @ 4 x 4 x 62 1/2" PLAYHOUSE CORNER UPRIGHT (1-06-0758)



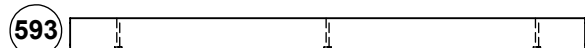
2 @ 4 x 4 x 57 15/16" PLAYHOUSE CENTER POST (1-06-0759)

5 x 5 Floor Parts List

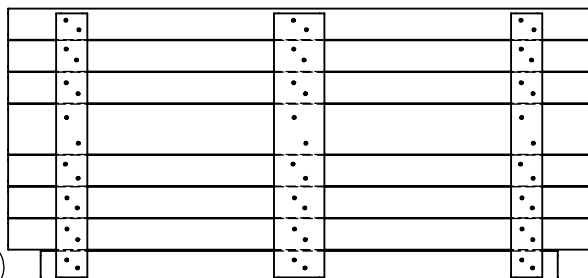
F/N#	DESCRIPTION	DIMENSION	QTY	FOUND IN
H1	Flat Washer	1/4"	3	5-46-0636
H3	Flat Washer	3/8"	6	5-46-0636
H100	Lag Bolt	1/4" x 4 1/2"	3	5-46-0636
H116	Lag Bolt	3/8" x 3 1/2"	6	5-46-0636



2 @ 2 x 4 x 60 5/8" 2 HOLE FACIA (1-03-0857)



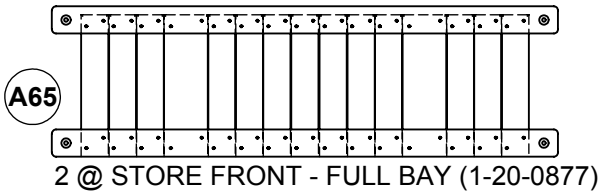
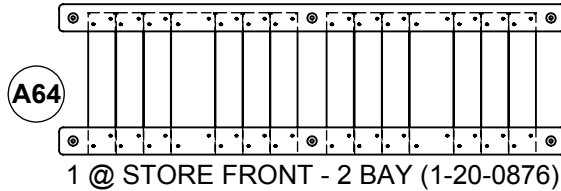
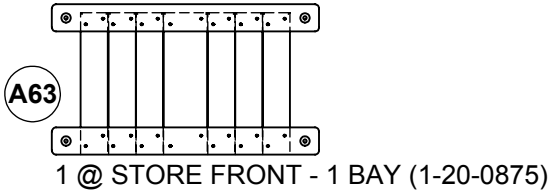
1 @ 2 x 4 x 53 5/8" FLOOR BOARD (1-03-0923)



2 @ FLOOR PANEL (1-20-0864)

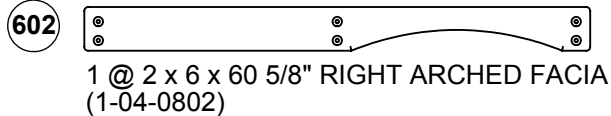
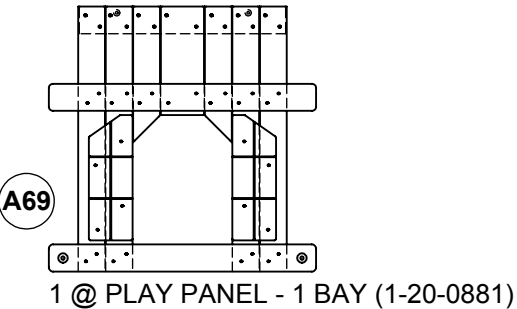
Store Fronts Parts List

F/N#	DESCRIPTION	DIMENSION	QTY	FOUND IN
H3	Flat Washer	3/8"	24	5-46-0382
H116	Lag Bolt	3/8" x 3 1/2"	24	5-46-0382



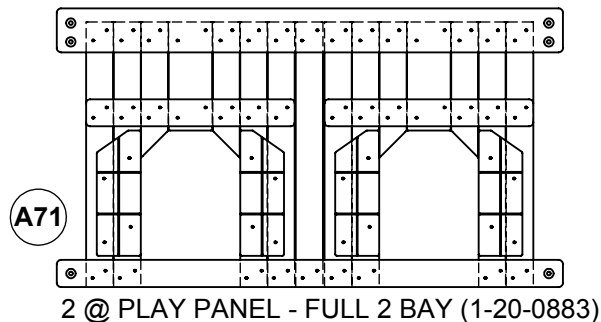
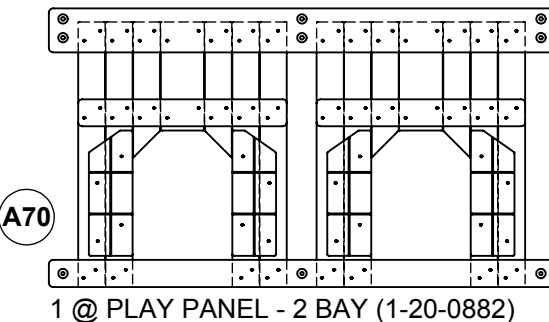
62"/68" DH Play Panel - 1 Bay Parts List

F/N#	DESCRIPTION	DIMENSION	QTY	FOUND IN
H1	Flat Washer	1/4"	2	5-46-0518
H3	Flat Washer	3/8"	8	5-46-0518
H93	Lag Bolt	1/4" x 2"	2	5-46-0518
H116	Lag Bolt	3/8" x 3 1/2"	8	5-46-0518



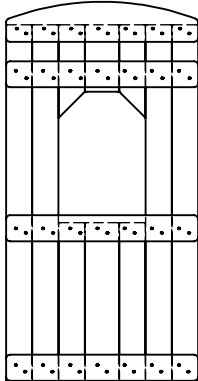
62"/68" DH Play Panel - 2 Bay/Full 2 Bay Parts List

F/N#	DESCRIPTION	DIMENSION	QTY	FOUND IN
H3	Flat Washer	3/8"	18	5-46-0382
H116	Lag Bolt	3/8" x 3 1/2"	18	5-46-0382



62"/68" DH Play Panel Door Parts List

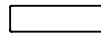
F/N#	DESCRIPTION	DIMENSION	QTY	FOUND IN
H176	Phillips Wood Screw	#8 x 1"	4	5-46-0650
H194	Phillips Wood Screw	#8 x 1 1/4"	4	5-46-0650
H155	Phillips Wood Screw	#8 x 2 1/2"	2	5-46-0650
H157	Phillips Pan Head Screw	#10 x 1"	4	Latch Package
H197	Phillips Pan Head Screw	#10 x 1 1/4"	12	Hinge Package
H198	Phillips Pan Head Screw	#12 x 1 1/4"	2	Latch Package
H199	Lag Bolt	3/16" x 3/4"	2	Latch Package
N259	Play Panel Hinge		2	5-21-0706
N260	Play Panel Latch		1	5-21-0706



A75

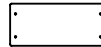
1 @ PLAY PANEL DOOR (1-20-0907)

604



1 @ 1 x 4 x 12" HANDLE MOUNT (1-01-0200)

605

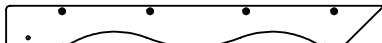


1 @ 5/4 x 6 x 12" HANDLE MOUNT (1-10-0148)

Wood Roof Parts List

F/N#	DESCRIPTION	DIMENSION	QTY	FOUND IN
H1	Flat Washer	1/4"	32	5-46-0622
H3	Flat Washer	3/8"	4	5-46-0622
H4	Flat Washer	1/2"	4	5-46-0622
H11	Lock Washer	3/8"	4	5-46-0622
H17	Standard Nut	3/8"	4	5-46-0622
H28	Acorn Nut	3/8"	4	5-46-0622
H52	Carriage Bolt	3/8" x 4 1/2"	4	5-46-0622
H93	Lag Bolt	1/4" x 2"	16	5-46-0622
H97	Lag Bolt	1/4" x 3"	16	5-46-0622
H155	Phillips Wood Screw	#8 x 2 1/2"	15	5-46-0622

432



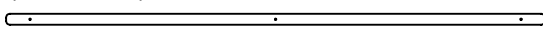
2 @ 2 x 6 x 47 1/4" LEFT ROOF SUPPORT (1-04-0797)

433



2 @ 2 x 6 x 47 1/4" RIGHT ROOF SUPPORT (1-04-0798)

450



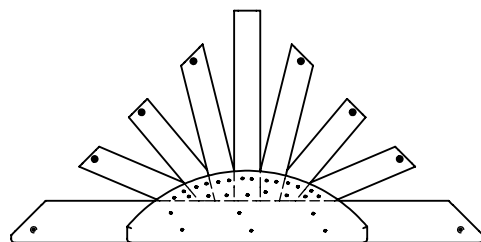
1 @ 2 x 4 x 67 3/8" ROOF CAP (1-03-0989)

435



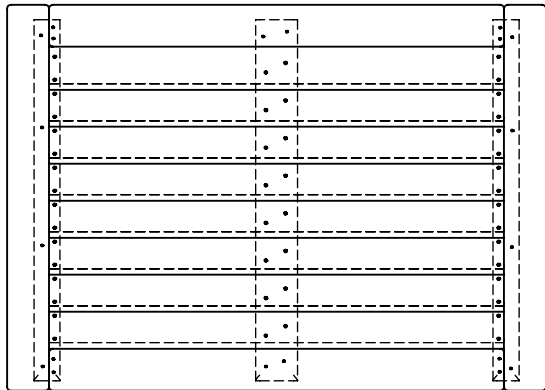
2 @ 2 x 10 x 16 7/16" PEAK FACIA (1-05-0113)

A6



2 @ FAN (1-20-0872)

A5



2 @ ROOF PANEL (1-20-0873)

Chimney Parts List


F/N#	DESCRIPTION	DIMENSION	QTY	FOUND IN
H1	Flat Washer	1/4"	12	5-46-0658
H93	Lag Bolt	1/4" x 2"	8	5-46-0658
H100	Lag Bolt	1/4" x 4 1/2"	4	5-46-0658
H155	Phillips Wood Screw	#8 x 2 1/2"	12	5-46-0658

612 
1 @ 4 x 4 x 16 3/4" CHIMNEY BLOCK (1-06-0743)

613 
1 @ 4 x 4 x 20" CHIMNEY BLOCK (1-06-0745)

614 
1 @ 4 x 4 x 16 3/4" CHIMNEY BLOCK (1-06-0744)

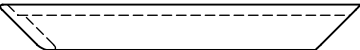
615 
1 @ 4 x 4 x 20" CHIMNEY BLOCK (1-06-0746)

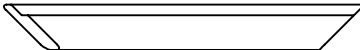
616 
2 @ 5/4 x 4 x 6 3/4" CHIMNEY TRIM BOARD
(1-09-0217)

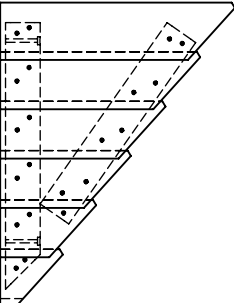
617 
2 @ 5/4 x 4 x 8 5/8" CHIMNEY TRIM BOARD
(1-09-0220)

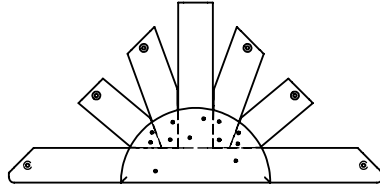
Dormer Parts List

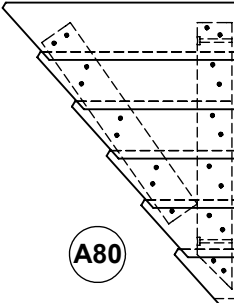
F/N#	DESCRIPTION	DIMENSION	QTY	FOUND IN
H1	Flat Washer	1/4"	10	5-46-0621
H93	Lag Bolt	1/4" x 2"	6	5-46-0621
H99	Lag Bolt	1/4" x 4"	4	5-46-0621
H155	Phillips Wood Screw	#8 x 2 1/2"	10	5-46-0621

618 
1 @ 2 x 6 x 34 1/8" LEFT DORMER SUPPORT
(1-04-0825)

619 
1 @ 2 x 6 x 34 1/8" RIGHT DORMER SUPPORT
(1-04-0824)


A78 
1 @ RIGHT DORMER PANEL (1-20-0897)

A79 
1 @ DORMER FAN (1-20-0899)

A80 
1 @ LEFT DORMER PANEL (1-20-0898)

Flower Box Parts List

F/N#	DESCRIPTION	DIMENSION	QTY	FOUND IN
H155	Phillips Wood Screw	#8 x 2 1/2"	28	5-46-0320

606 
7 @ 4 x 6 x 23" FLOWER BOX (1-07-0724)

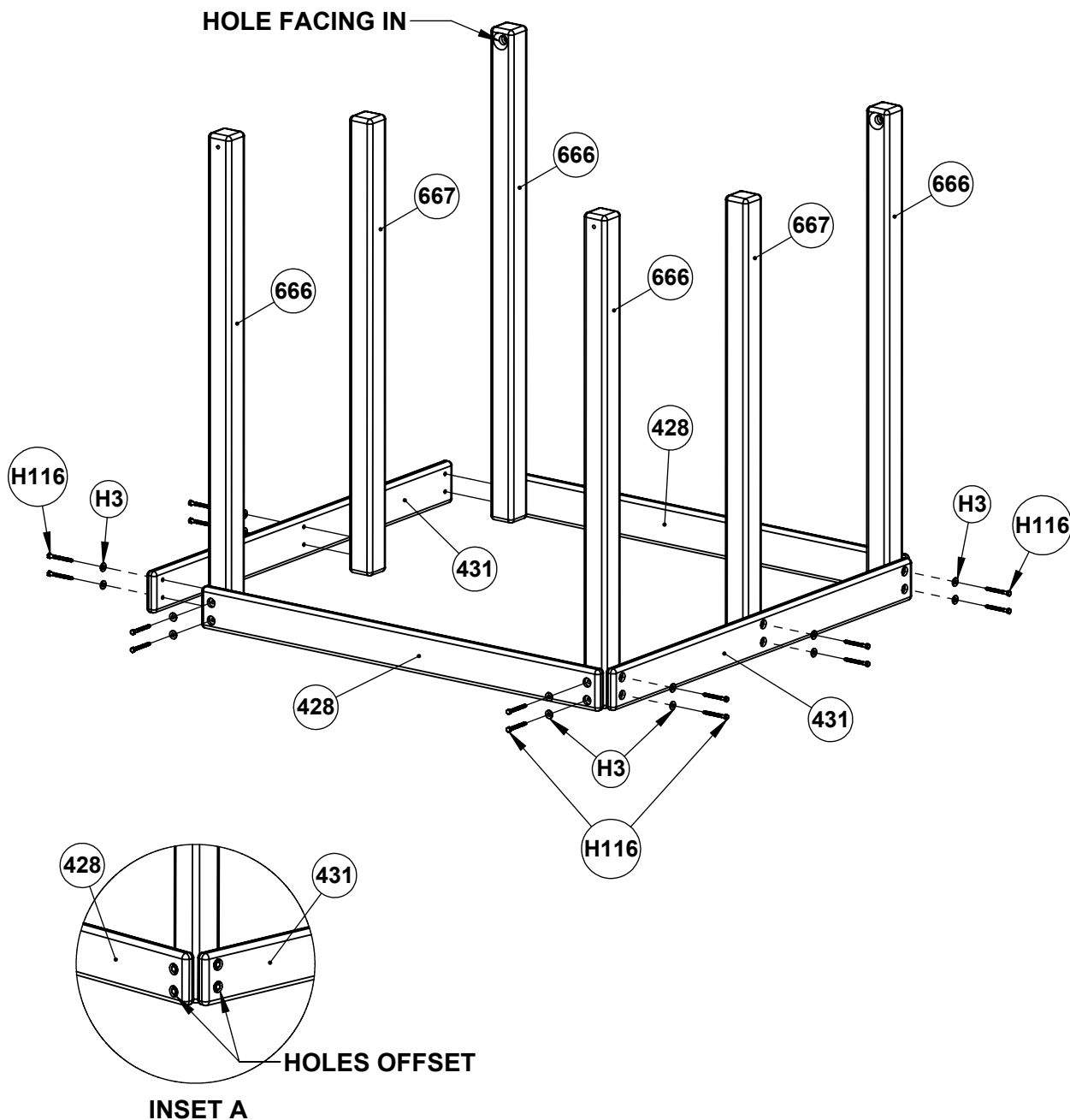
Step 1

Playhouse Base Assembly

***NOTE: Pre-drill 1/4" Holes for all 3/8" Lag Bolts.**

1. Lay Center Post (667) and Corner Uprights (666) with holes facing towards each other, place 6 Hole Facia (431) flush with the bottoms Uprights and attach using 3/8" Hardware (H3) (H116).
2. Repeat #1 of other side.
3. Attach 4 Hole Facias (428) to Corner Uprights (666) using 3/8" Hardware (H3) (H116).

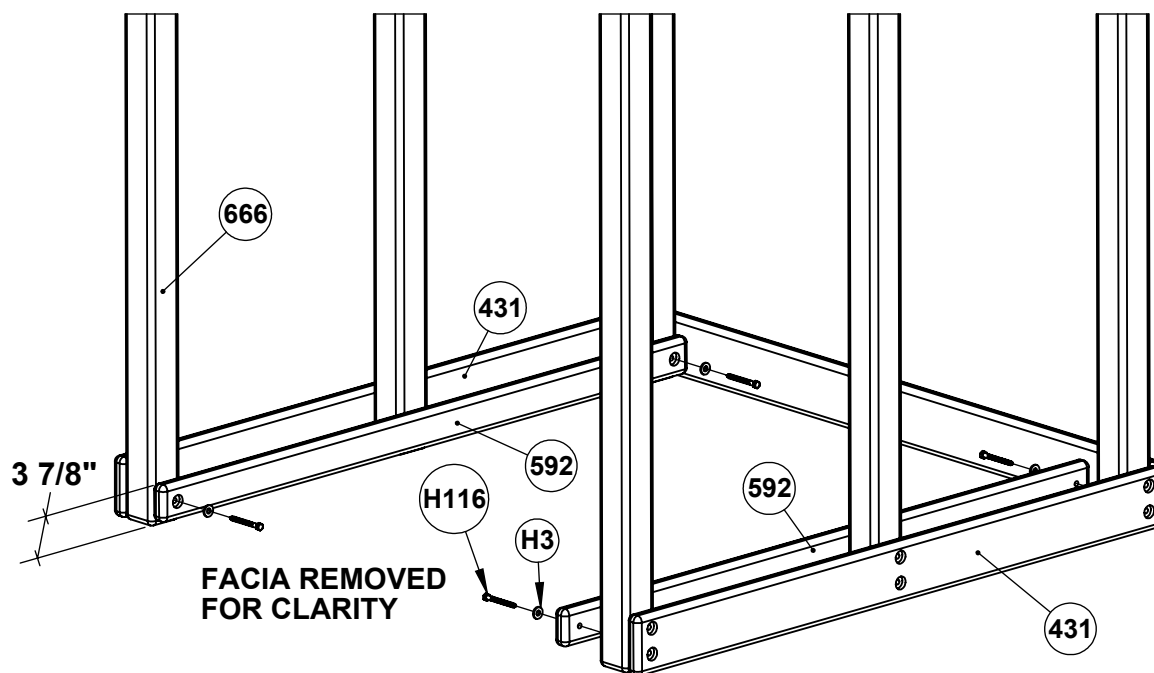
***NOTE: Holes in Facias (428) (431) must be orientated as shown in Inset A.**



Step 2

Floor Support Installation

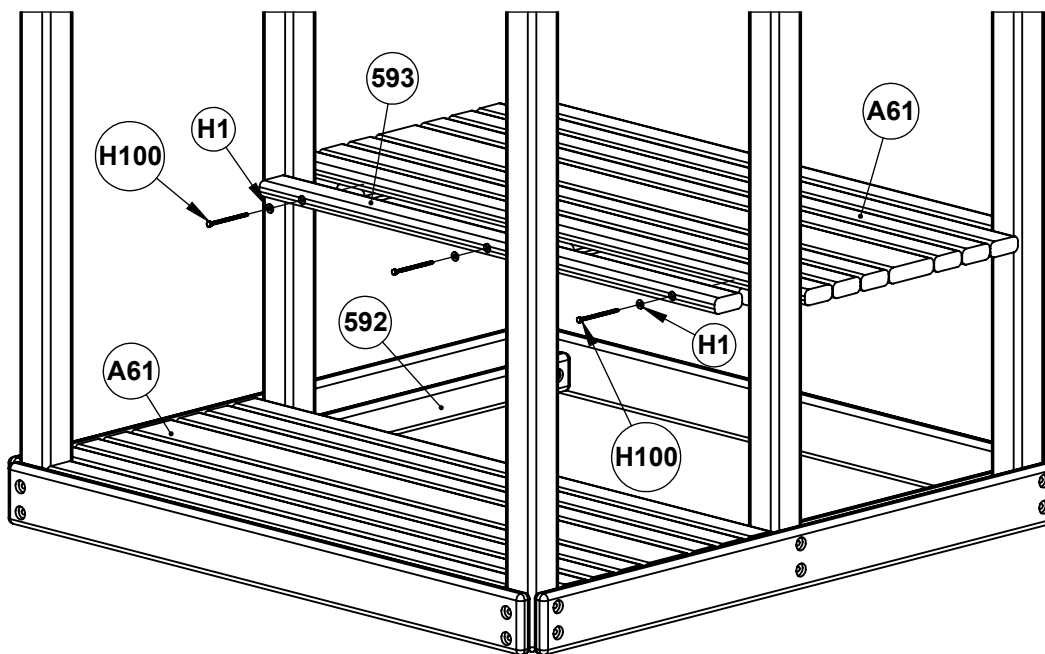
1. Measure up $3\frac{7}{8}$ " on Uprights and attach 2 Hole Facias (592) using $\frac{3}{8}$ " Hardware (H3) (H116).



Step 3

Floor Installation

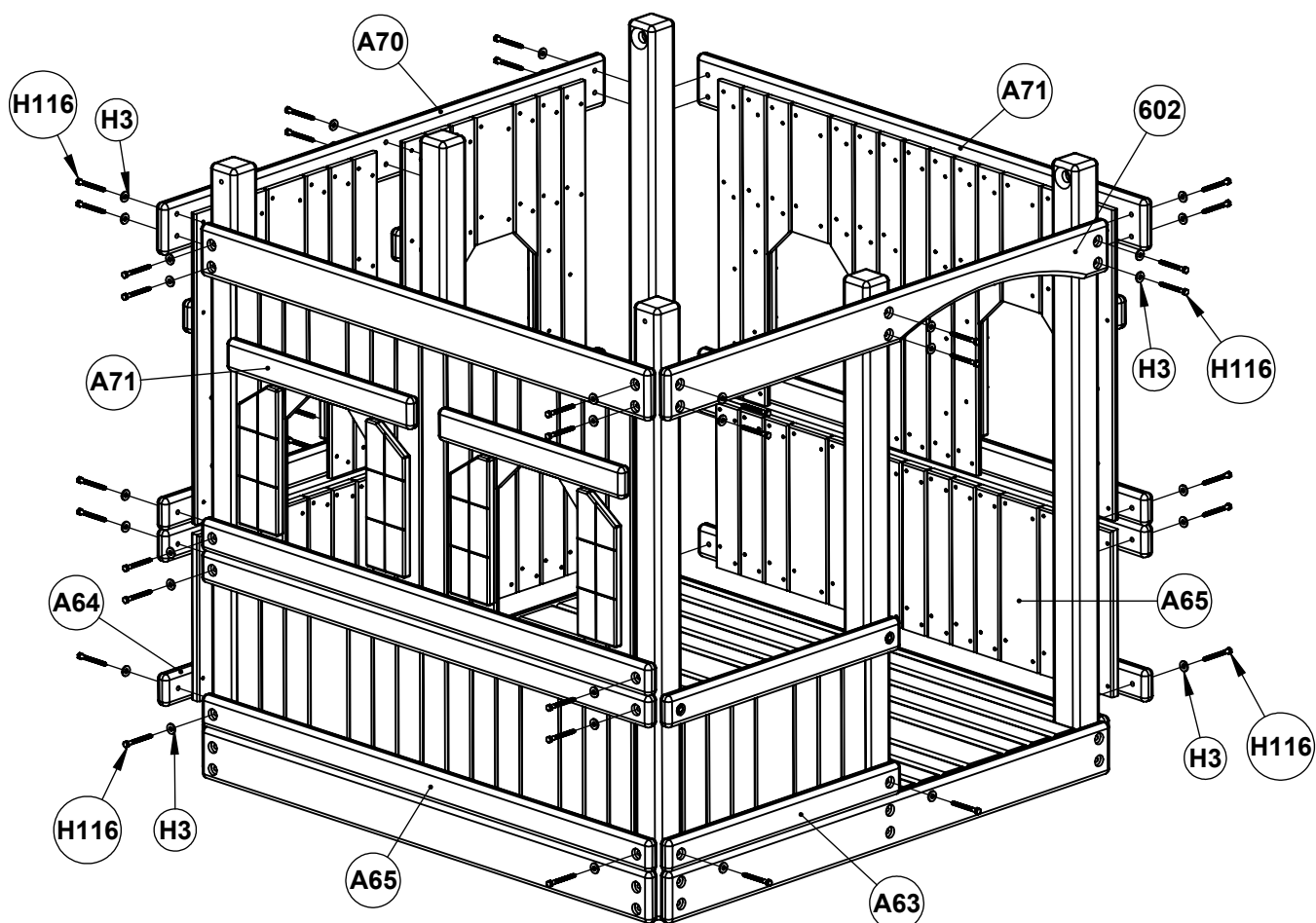
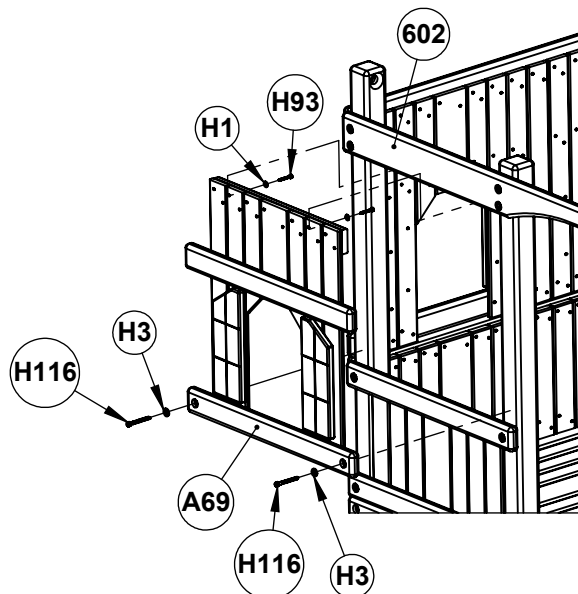
1. Place Floor Panel (A61) on top of Floor Supports (592).
2. Attach Floor Board (593) to Floor Panel (A61) using $\frac{1}{4}$ " Hardware (H1) (100).
3. Place other Floor Panel (A61) on top of Floor Supports (592).



Step 4

Store Front Installation

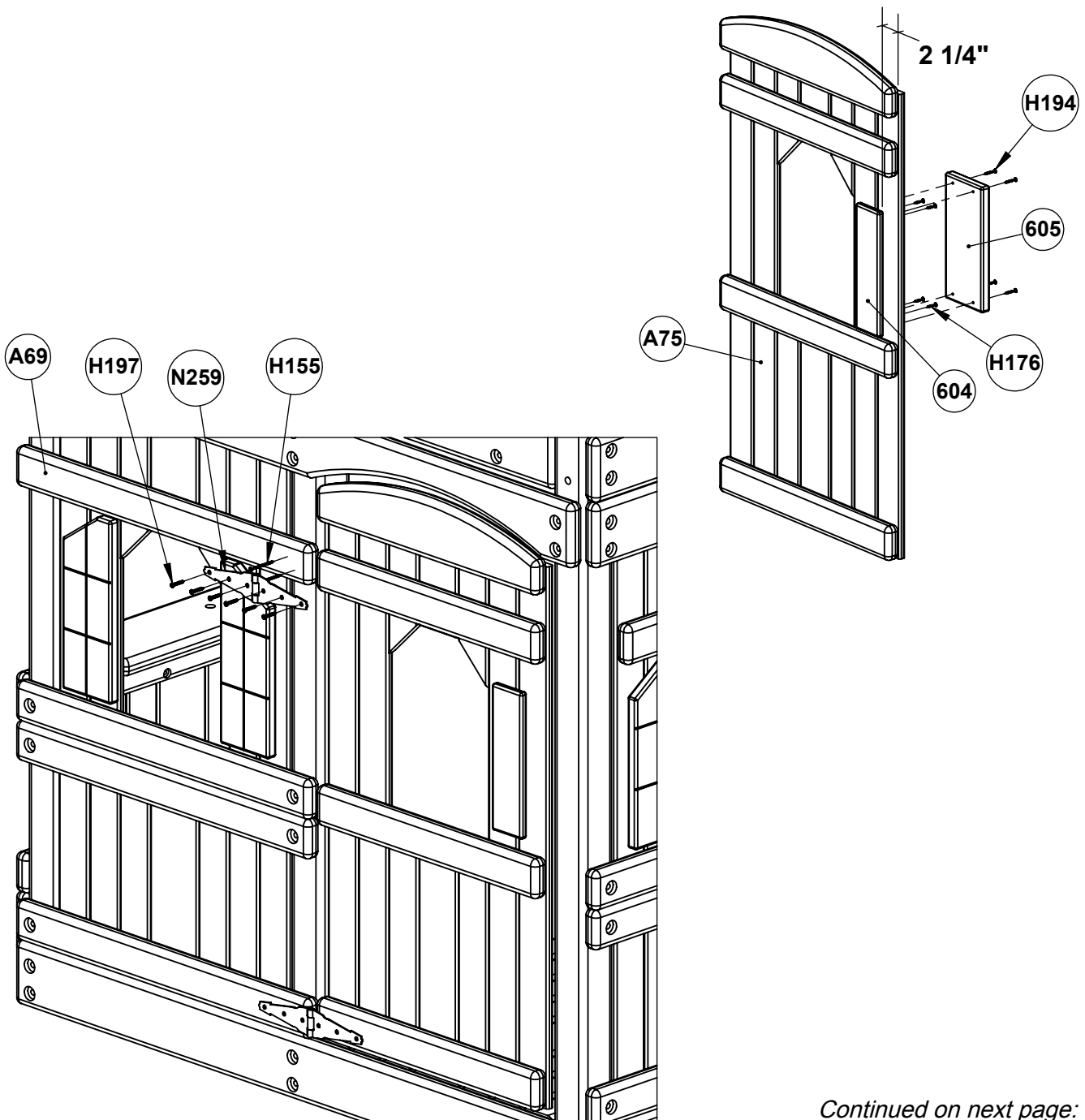
1. Attach Store Front Panels (**A63**) (**A64**) (**A65**) to Uprights using 3/8" Hardware (**H3**) (**H116**).
2. Attach Play Panels (**A70**) (**A71**) to Uprights using 3/8" Hardware (**H3**) (**H116**).
3. Position Arched Facia (**602**) flush with the top edges of Playhouse Panels (**A70**) (**A71**) and attach to Uprights using 3/8" Hardware (**H3**) (**H116**).
4. Attach Play Panel (**A69**) to Uprights using 3/8" Hardware (**H3**) (**H116**) and to back of Arched Facia (**602**) using 1/4" Hardware (**H1**) (**H93**).



Step 5

Play Panel Door Installation

1. Attach Handle Mount (604) to Door (A75) using #8 Hardware (H176).
***NOTE: Handle Mount (604) must be attached to side of Door that will be against Corner Upright of set.**
 2. Attach Handle Mount (605) on the back side of Door, centered on Handle Mount (604) using #8 Hardware (H194).
 3. Secure Play Panel Runner (A69) to Center Upright using #8 Hardware (H155).
 4. Attach Hinges (N259) to Play Panel and Door using #10 Hardware (H197).
- *NOTE: There should be approximately a 5/8" gap around entire Door when mounted properly.**



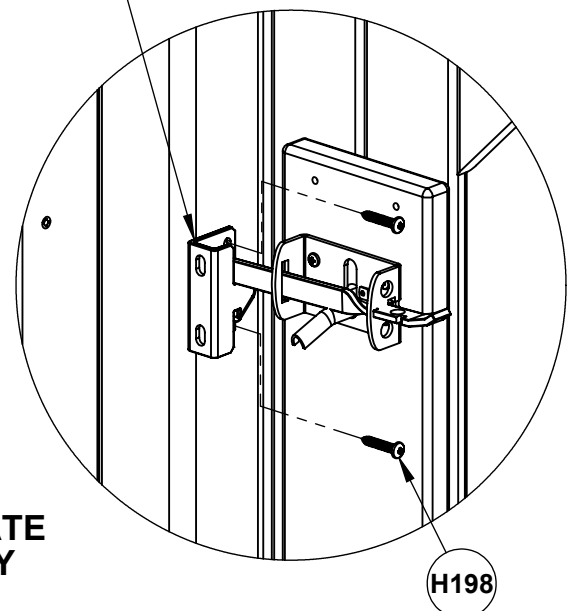
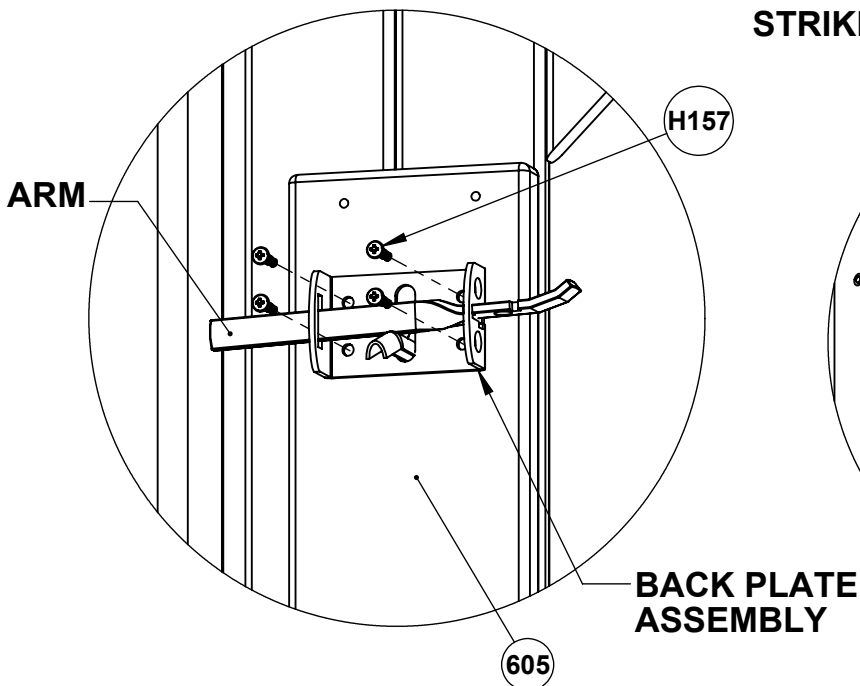
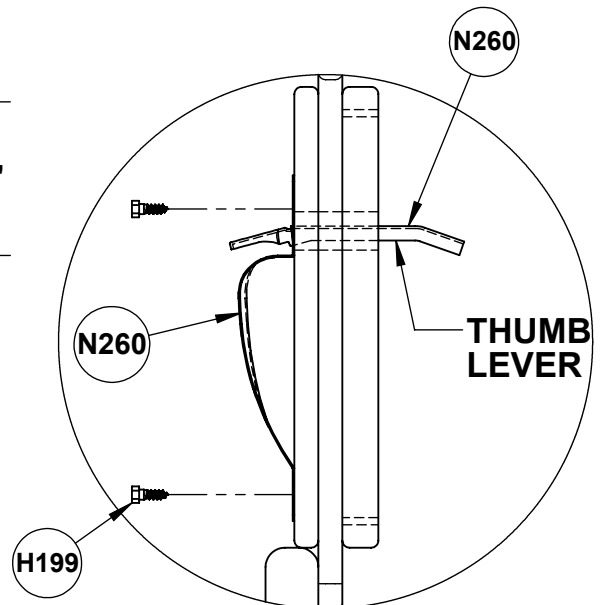
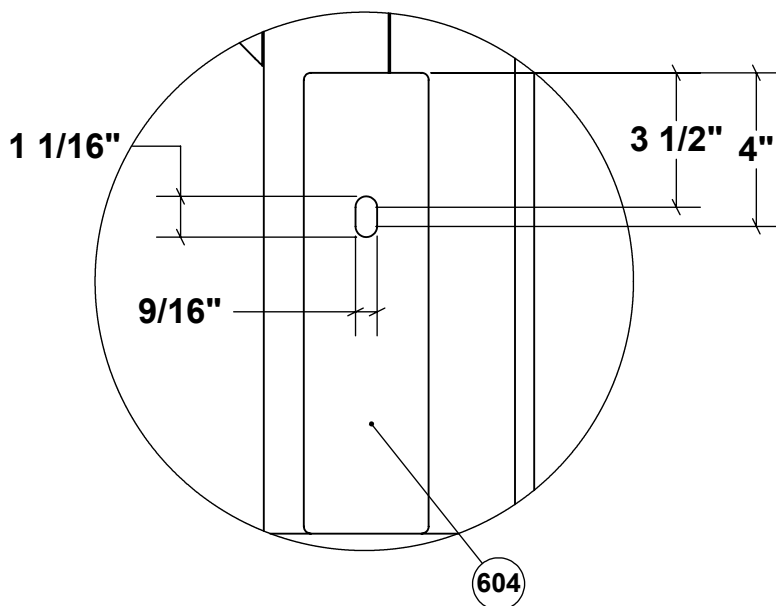
Continued on next page:

Step 6

Play Panel Door Installation

Continued from previous page:

1. On Handle Mount (604), measure down 3 1/2" and drill a 9/16" hole through Handle Mounts and Door. Drill another hole at 4", and remove the material between holes.
2. Install Thumb Lever through Handle, and attach Handle (N260) to Handle Mount (604) using 3/16" Hardware (H199).
- *NOTE: There should be approximately 1/8" clearance between Thumb Lever and bottom of hole when properly installed.**
3. Install Back Plate Assembly onto Handle Mount (605) using #10 Hardware (H157).
- *NOTE: There should be approximately a 3/8" gap between Arm and Corner Upright when properly installed.**
4. Attach Strike to Corner Upright using #12 Hardware (H198).
- *NOTE: Strike should be positioned so that Door is flush with adjoining Play Panel when closed.**



Step 7

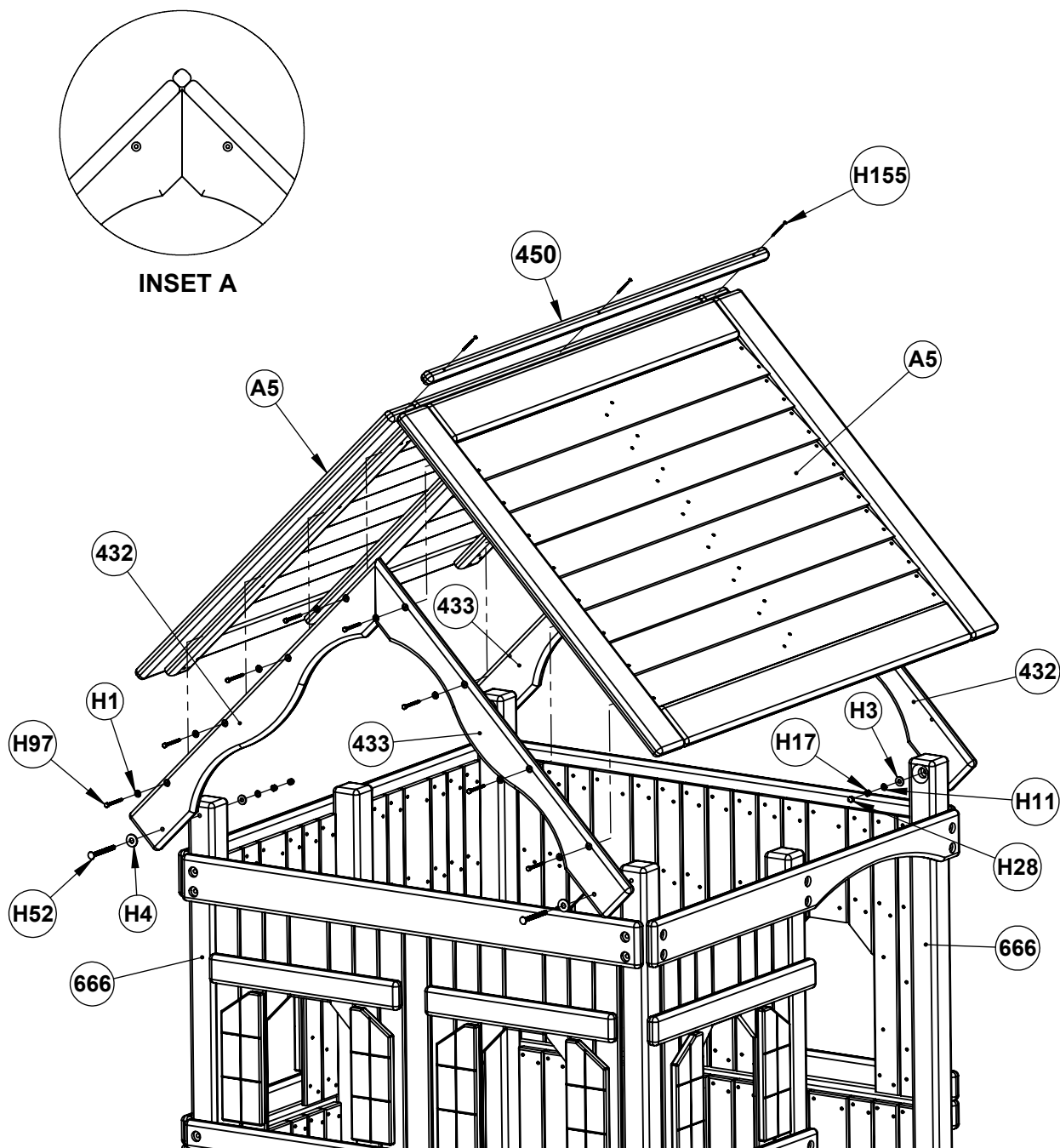
Wood Roof Installation

1. Attach Right Roof Supports (433) and Left Roof Supports (432) to Corner Uprights (666) using 3/8" Hardware (H3) (H11) (H17) (H28) (H52) and 1/2" Hardware (H4).

***NOTE: Do not tighten Hardware completely at this time.**

2. Attach Roof Cap (450) to one Roof Panel (A5) using #8 Hardware (H155).
3. Attach Roof Panels (A5) to Roof Supports (432) (433) using 1/4" Hardware (H1) (H97).

***NOTE: Top edge of Roof Panels (A5) must be flush with the tops of the Roof Supports when properly installed (as shown in Inset A).**



Step 8

Fan & Facia Installation

***NOTE:** Roof Panels are removed for clarity of assembly.

***NOTE:** Make sure that the Roof supports and Roof Panels are tight up against each other and tighten Hardware attaching Roof Supports to the Corner Uprights at this time.

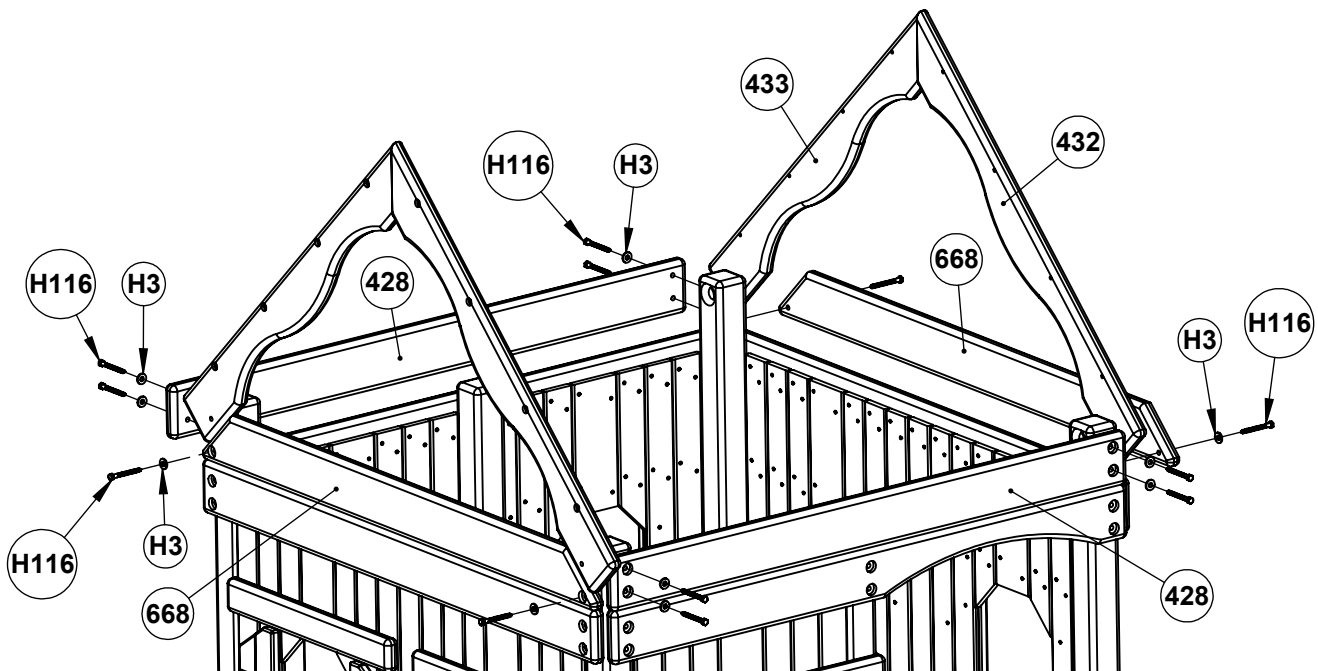
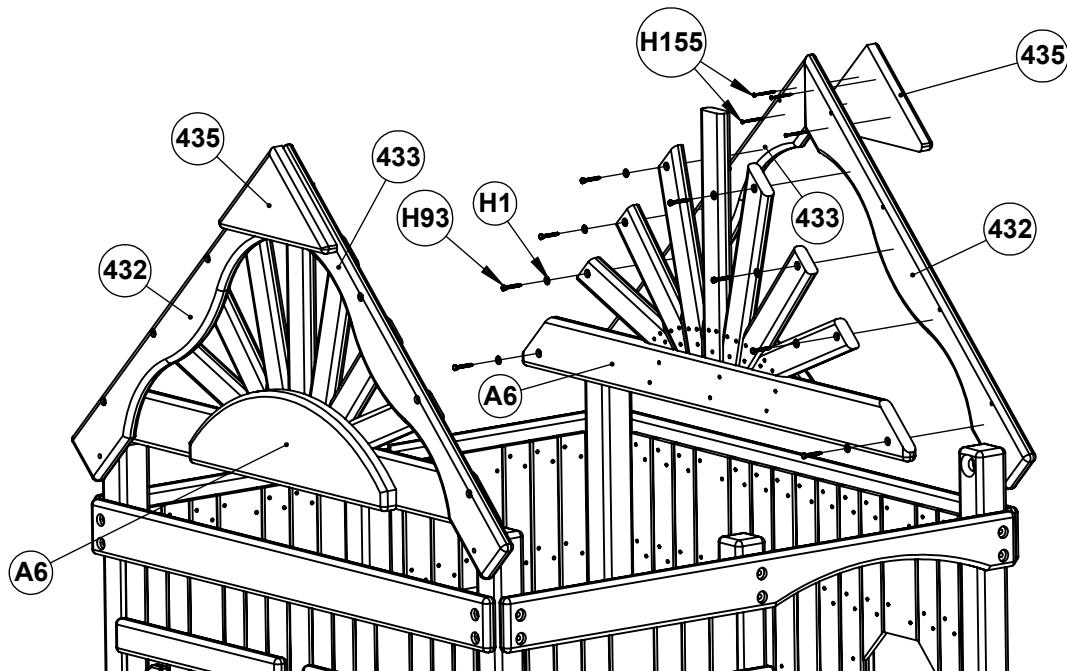
1. Position Peak Facias (435) flush with the tops of Roof Supports (432) (433) and attach using #8 Hardware (H155).

***NOTE:** Routed edge of Peak Facias (435) must face out when properly installed.

2. Attach Fans (A6) to Roof Supports (432) (433) using 1/4" Hardware (H1) (H93) and #8 Hardware (H155).

***NOTE:** Bottom edge of Fans (A6) should rest on the tops of the Corner Uprights when properly installed.

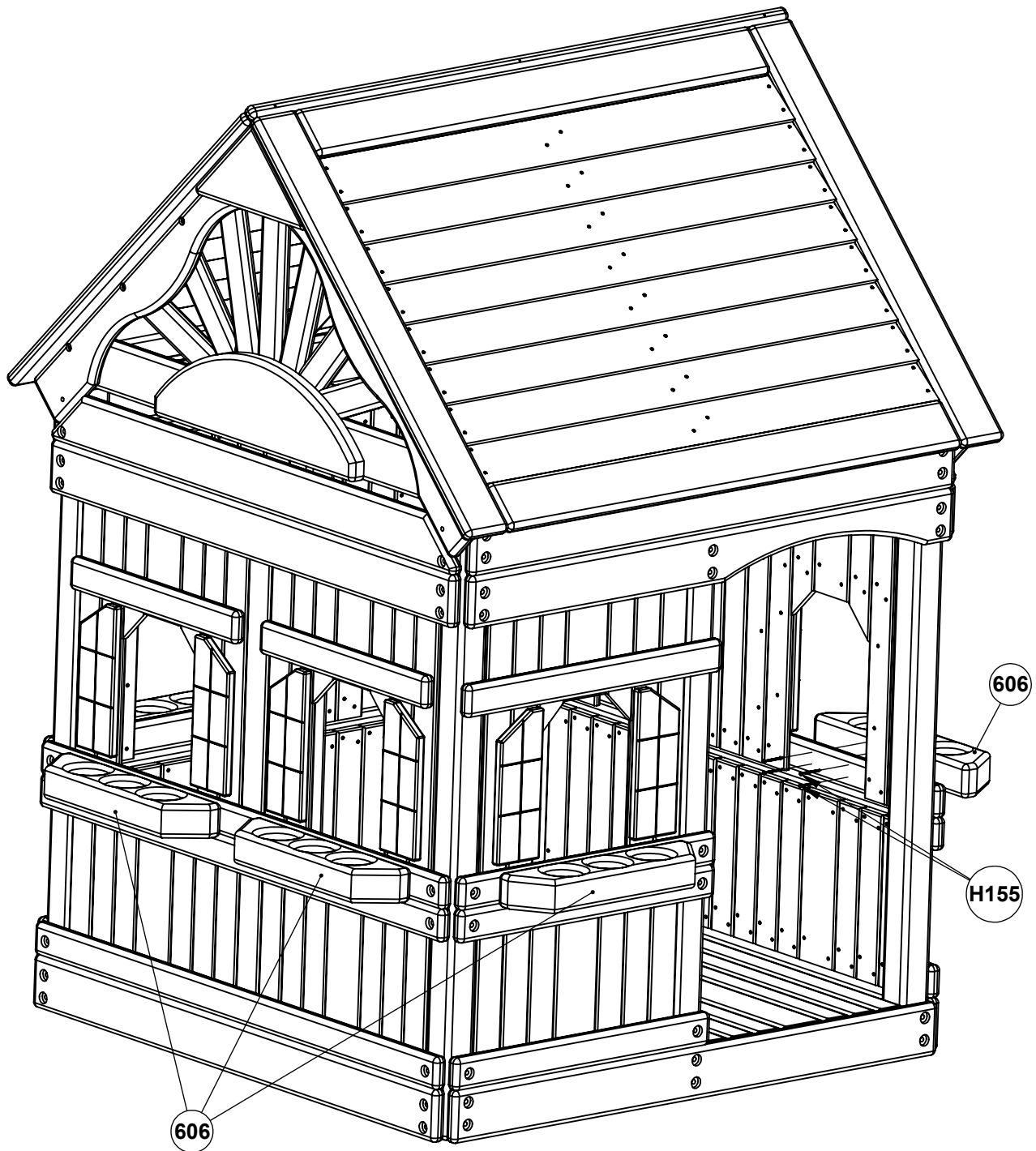
3. Position 4 Hole Facias (428) and Angled Facias (668) on top of Playhouse Panels and Arch and attach to Corner Uprights using 3/8" Hardware (H3) (H116).



Step 9

Flower Box Installation

1. Position Flower Boxes (**606**) beneath window openings and attach using #8 Hardware (**H155**).



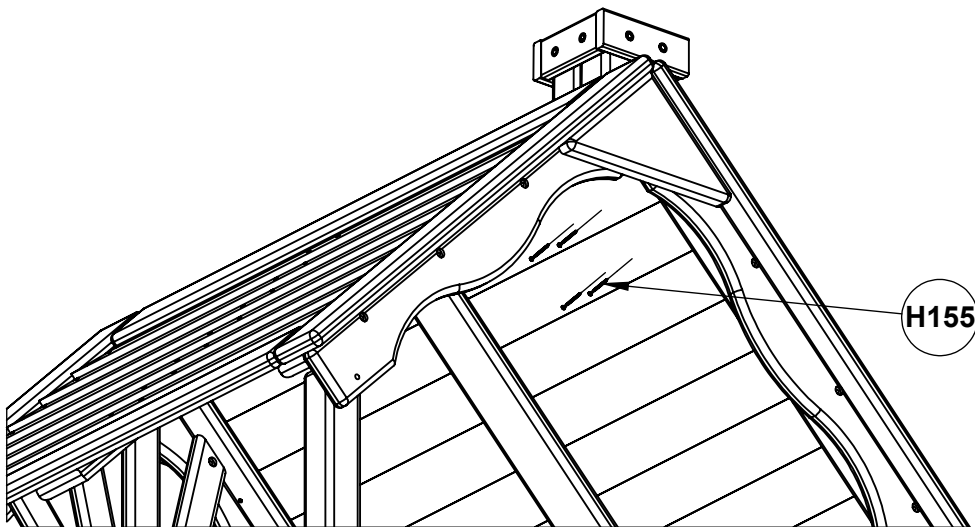
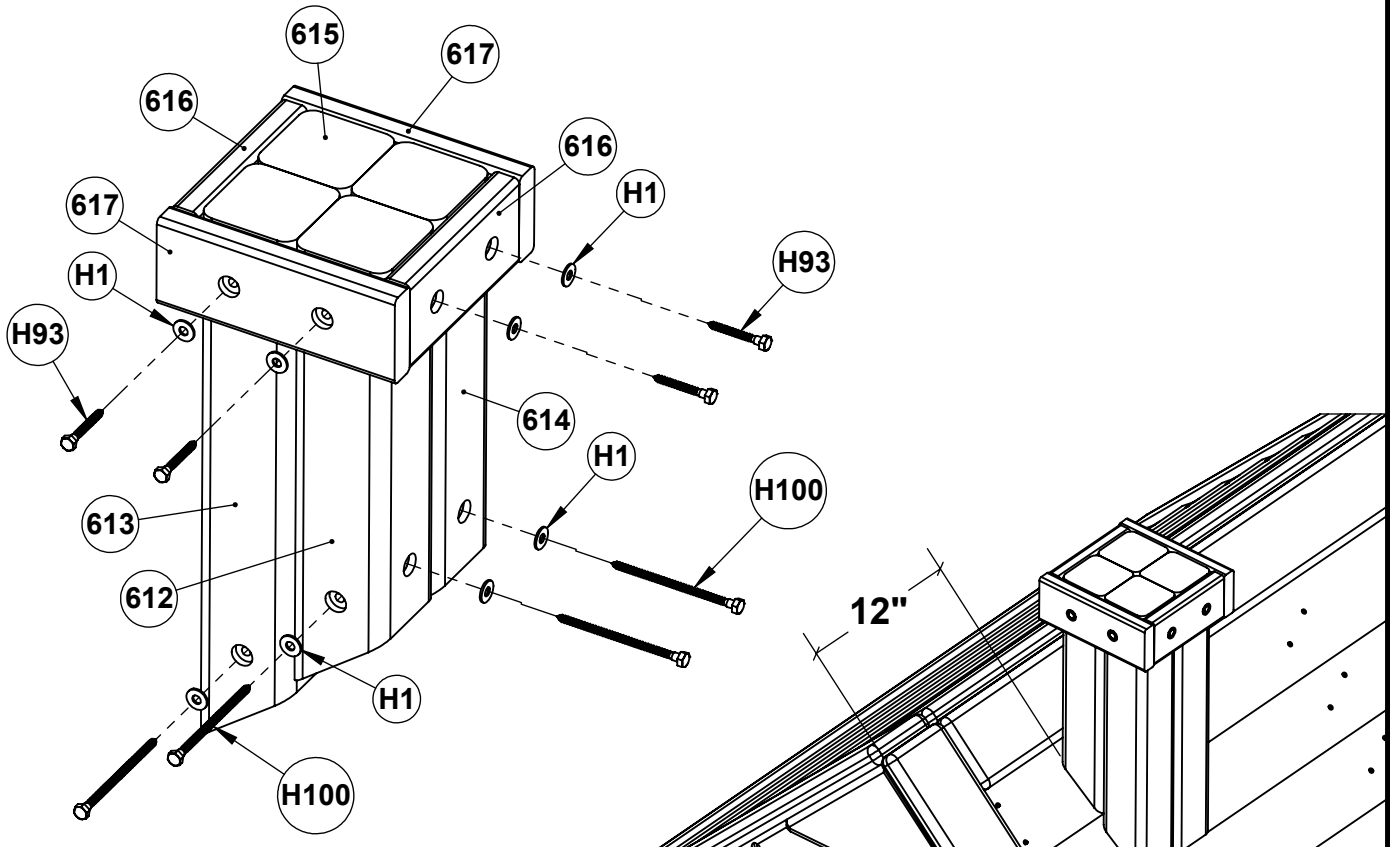
Step 10

Chimney Installation

1. Assemble Chimney by attaching Chimney Blocks (612) (613) (614) (615) to each other using 1/4" Hardware (H1) (H100).

***NOTE: Tops of Chimney Blocks (612) (613) (614) (615) must be flush when properly installed.**

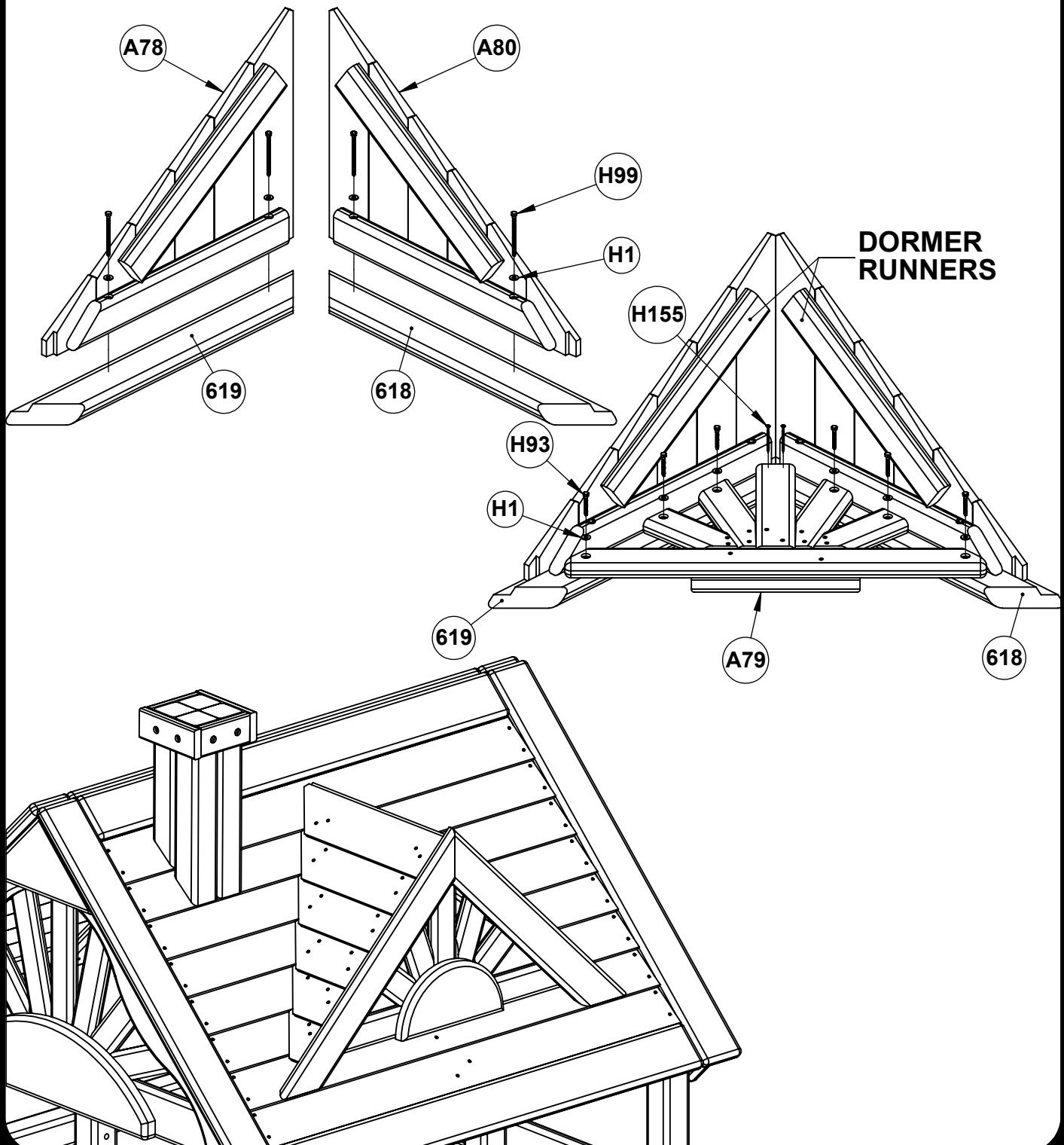
2. Attach Chimney Trim Boards (616) (617) using 1/4" Hardware (H1) (H93).
3. Position Chimney on Roof, approximately 12" from the edge, and attach (as shown) from underside of Roof using #8 Hardware (H155).



Step 11

Dormer Installation

1. Attach Right Dormer Panel (A78) and Left Dormer Panel (A80) to Dormer Supports (618) (619) using 1/4" Hardware (H1) (H99).
 2. Attach Dormer Fan (A79) to Dormer Supports (618) (619) using 1/4" Hardware (H1) (H93) and #8 Hardware (H155).
 3. Center the Dormer on Roof, and attach from underside using #8 Hardware (H155).
- *NOTE: #8 Hardware (H155) should screw into Dormer Runners when properly installed.**



Exclusive Lifetime & Five-Year Warranties

Rainbow 30 Day Unconditional Warranty

If at any time during the first 30 days after the date of delivery, you are not completely satisfied with your Rainbow Play System, you may return the product (freight prepaid by customer) in its original condition to us for a similar replacement or a full refund of the purchase price, excluding installation expense.

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

An important note about wood and our warranty: The wooden components in your Rainbow Play System will have imperfections. We remind you that seasonal checks and surface cracks, knot holes and knots are natural characteristics of wooden play equipment. Imperfections that do not affect structural integrity are not covered under this warranty. Subject to proper installation and normal residential use, Rainbow Play Systems, Inc. warrants to the original retail purchaser that, for a period of FIVE YEARS from the date of purchase, and subject to the limitations stated below, all tarps, chain, seats, screws, powder-coated brackets, rungs and handles, plastic handles, ship's wheel, periscope, binoculars, trapeze bar and accessories will be free from defects in material and workmanship. In addition, Rainbow warrants for a period of ONE YEAR from the date of purchase that all ropes, flags will be free from defects in material and workmanship. Merchandise covered under this limited five-year or one-year warranty will be repaired or replaced, at Rainbow's option, and shipped at the customer's expense to the Rainbow showroom handling the warranty work per Rainbow's normal method and timing of shipments to that showroom. 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 the 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.

In addition, for the period during which the original purchaser owns the system, and subject to proper installation and normal residential use, Rainbow Play Systems, Inc. warrants to the original retail purchaser all North American wooden components against structural failure due to wood rot or insect infestation (excluding carpenter bees). 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 structural integrity are not covered under this warranty. [All Chinese Cedar \(Cunninghamia Lanceolata\) utilized in the Fiesta and Carnival Series is backed by a 10-year warranty.](#) This limited lifetime warranty also covers defects in material and workmanship in the scoop, spiral and Rainbow wave slides, crawl tunnel, crow's nest, swing hangers, tire swivel, King Kong swivel, bolts and all dipped brackets, rungs and handles. Merchandise covered under this limited lifetime warranty will be repaired or replaced, at Rainbow's option, and shipped at the customer's expense to the Rainbow showroom handling the warranty work per Rainbow's normal method and timing of shipments to that showroom. 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.

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, unless a Return Authorization Number is issued.

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 of the component or system: (1) cracks in plastic components; (2) surface rust on hardware or powder-coated components; and (3) fading of any component or accessory, including, without limitation, ship's wheel, periscope or binoculars.

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 by customer or any third party.

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 effect 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.