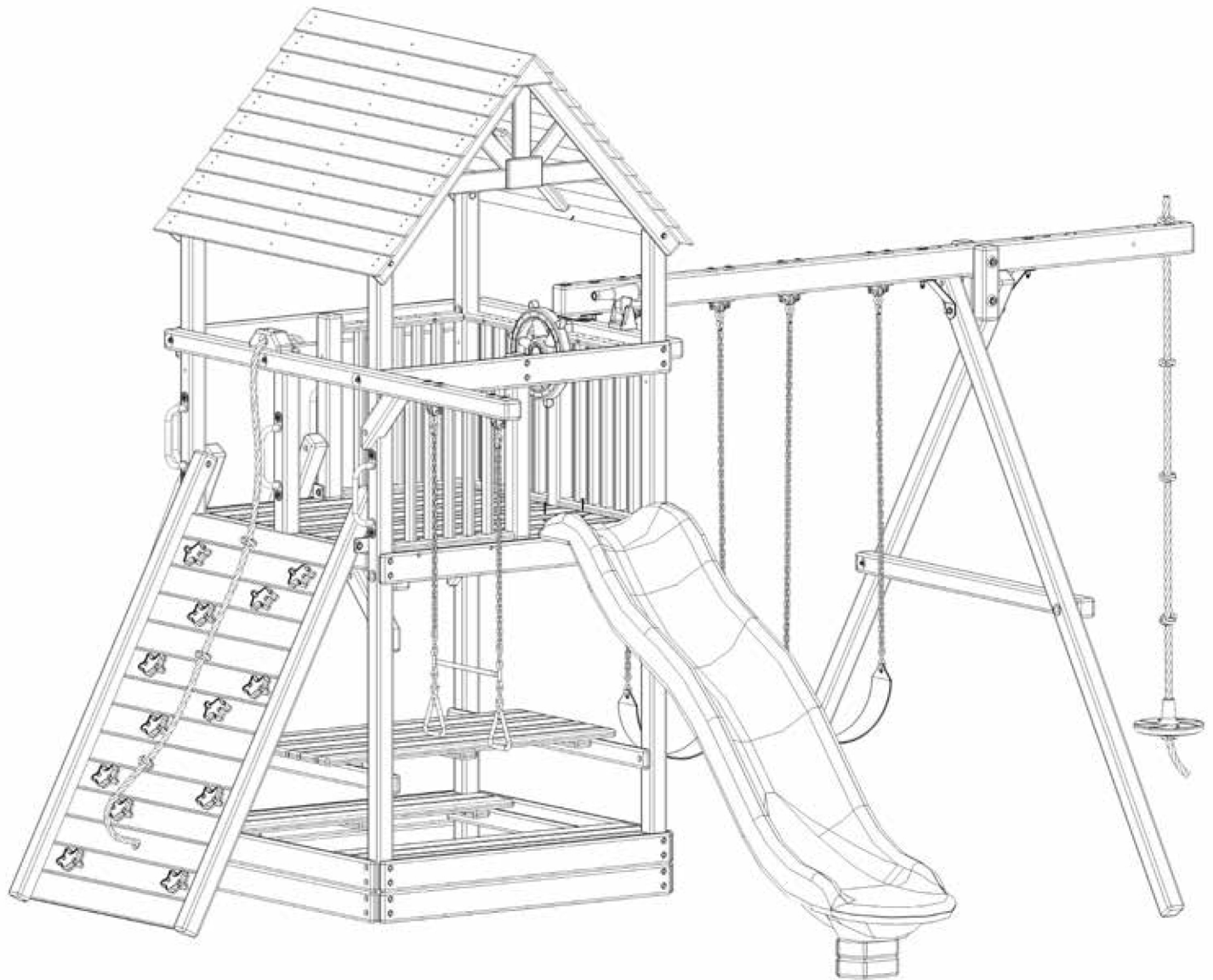


5.8 BENGAL FORT



Version 1:20



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Houston, Texas 77041
WWW.TREEFROGSSHOWROOMS.COM

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Sections

Section 1: Cover & Liability Info
Section 2: Product Parts
Section 3: Sub-Assemblies
Section 4: Main Assembly
Section 5: Lower Floor/ Picnic
Section 6: Rail Option
Section 7: Playhouse Install
Section 8: Treehouse Install

IMPORTANT - PLEASE READ

As fresh lumber acclimates to its new environment, the natural tendencies of the tree can show itself in the form of checks, or “cracks” in the lumber. In almost all cases this is normal and it will not affect the structural integrity of your play set.

Cosmetic defects that do not affect the structural integrity of the product, or natural defects of wood such as warping, checking or any other physical properties of wood that do not present a safety hazard, are not covered by this warranty.

Defects that develop because the product is exposed to extreme climate conditions are not covered by this warranty. Defects that develop as a result of faulty or improper installation of the product are also not covered by this warranty.

Most cracks are not warrantable, however if you believe that the integrity of your play set is compromised by this natural occurrence, please contact the Tree Frogs Swing Set Dealer that you purchased your swing set from.

We appreciate your purchase and know that you will enjoy your play system for many years to come.

Tools Needed for Assembly

Tape Measure	24" Level	Angle Square
Phillips Screw Driver	3/8" Cordless Drill or Electric Drill	3/8" Drive Ratchet or Electric Impact Gun
Claw Hammer or Rubber Mallet	Pliers or Vise Grips	7/16" Deep Well Socket
9/16" Deep Well Socket	3/4" Deep Well Socket	1/8", 1/4", and 9/16" Drill Bits
Phillips Head Screw Bits	An Adult with two Adult Helpers	

Please familiarize yourself with the install manual, parts/components and general construction process of your new swing set before getting started. Approximate assembly time: 6 to 8 hours. 6 foot unobstructed safety perimeter around swingset recommended.

Pre-Assembly Hints

- Depending on your experience, assembly of our play sets can take as little as 6 hours up to 24 hours, depending on size, after inventory of parts; therefore, we recommend you set aside a full two days for assembly.
- Identify all of the parts for your play set. Empty each box and lay out boards so you can see each part. Your instruction book will have detailed drawings that will make it easy for you to recognize individual parts. Keep all hardware and metal parts separate from wooden pieces.
- After everything is laid out, check carefully to ensure all parts are present. Make sure there are no broken boards.
- Find an area to sort your hardware. It is best to open the hardware on a solid surface so that you do not lose any pieces in the grass.
This will save time and familiarize you with all the different pieces in the hardware bag.
- ****Important note: Wood has some natural defects such as knots, surface cracks, etc... We reject parts that are structurally defective. We use a high quality lumber in our structures; however, you should inspect each part for splinters or rough spots and sand them smooth to prevent injury.****
- After familiarizing yourself with all of the components, read all instructions thoroughly. Reading instructions after you have studied the parts will help you understand more clearly the installation process, and help to eliminate unnecessary mistakes.
- Pay close attention to the diameter and length of each bolt and screw.
- Never tighten hardware completely at first. It helps to have some adjustment for bolt alignment while you are attaching parts together. After everything is square, tighten each joint.
- After the main unit is assembled it is critical that the floor is level and square. If the main frame is not level, the walls and floor will be out of square.
- After you complete installation, make sure every bolt, screw, and nut is tight, and every board is secure. Wood will expand and contract with the seasons.
- Place the set on level ground, not less than 6ft from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines, or electrical wires.
- All 1/4" and 3/8" lag bolts must have pre-drilled holes 1-1/2" to 2" deep. Use a 1/8" drill bit for the 1/4" lag bolts and 1/4" drill bit for 3/8" lag bolts. Use pre-drilled holes in facias as a reference for placing lag bolt pilot holes.
- If a board lifts or rises causing a gap between boards when running in lag bolts or screws, back out the screw or lag bolt and press or apply pressure (but not enough to crack or break board) while re-running in the lag bolt or screw in the same hole.
- Do not over tighten bolts, lag bolts or screws. You can damage boards, break hardware, and/or strip out the hardware.
- When using hammer do not beat on the hardware, but gently tap it in. Never beat on the wood as it will leave marks.

Leveling Your Swing Set During Assembly

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

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

Choosing A Location For Your Playset

When choosing a location for your swing set, always keep your child or children's safety in mind. Here are some recommendations to help you locate and install a safe play area.

- This play set is designed for the use of 4 occupants who have a combined weight not exceeding 800 pounds on the elevated floor; 3 occupants who have a combined weight of 525 pounds on the swing area; for a total Unit capacity of 5 occupants who have a combined weight of 1325. (this weight is not including the picnic table area)
- On-site adult supervision is required.
- The swing set should be located on level ground. The stationary components such as ladders and slides are required to be a minimum of six feet from any structure or obstruction such as a fence, garage, house, tree, overhanging branches, electrical wires, clotheslines, etc. Any swinging equipment is also required to be a minimum distance twice the height of the swing beam away from these obstructions or structures as well. The swing set should be located a safe distance from any water hazards, such as a lake, river, bayou, swimming pool, etc.
- Do not install this residential swing set in a commercial setting. This swing set is not manufactured for commercial usage and will void all warranties. Tree Frogs Wooden Swing Set Factory is not responsible for any damages or injuries resulting from this swing set being used in a commercial setting.
- Never install this swing set indoors; or over concrete, asphalt, packed earth, grass, carpet or any other hard surface. A fall onto a hard surface can result in serious or fatal injury.
- The U.S. Consumer Product Safety Commission (CPSC) recommends that you install and maintain a resilient surface under your swing set. The CPSC's Consumer Information Sheet for Playground Surfacing Materials is on the next page. A resilient surface, should be installed after the swing set has been completely assembled according to these instructions. The swing set must rest on solid ground. Please note that this swing set has a maximum fall height of 7'.

Maintaining Your Swing Set

Here are some maintenance tips required to insure safe play on your swing set for years of fun.

- At the beginning of each usage season and every two weeks during, check: nuts and bolts and tighten as needed, swing seats, chains, ladders, slides, rope and wood components for sign of deterioration and replace if necessary.
- On a yearly basis, we recommend that you coat your swing set with a sealant or preservative. You may also want to spot sand any areas prior to sealing.

**** Special note: Although we recommend that you reseal your swing set annually, you may have to touch up the high traffic areas and/or areas that have a high exposure to direct sunlight.****

- Be sure that the sealant you select is non-toxic and child safe. Your local Tree Frogs Wooden Swing Set Factory dealer may offer a complete power wash and reseal and maintenance program.
- Do not use line trimmers or "weed eaters" around your swing set. The line will remove both paint and wood from uprights and base pieces. Any damage resulting from this type of abuse is not covered under our limited warranty.
- Remove plastic swing seats and take indoors or do not use when temperature drops below 0°F.

Please keep this install manual for future reference.

To insure SAFE PLAY adults must teach children:

- Not to walk close to, in front of, behind, or between moving items.
- Not to swing empty swing seats.
- Not to swing sideways into the path of adjacent swings.
- Not to use the swing set in a manner other than that for which it is intended.
- Not to get off the equipment while it is in motion.
- Not to jump off the tower.
- Not to stand in the swing seats.
- Not to swing so high that chains become slack, or above the height of the swing support.
- Not to jump on a slide.
- Not to climb on top of the swing support.
- Not to attach to the swing set any item that is not specifically designed for use with the equipment, such as (but not limited to) jump ropes, clotheslines, pet leashes, cables, and chains. These may become strangulation hazards.
- To hold on to swings and climbers with both hands.
- To slide feet first, never head first.
- To watch for other children while swinging or playing near the swing set.

To also insure SAFE PLAY adults must:

- Limit climbing and swinging heights to each child's ability.
- Verify that suspended climbing ropes are secured at both ends.
- Verify that suspended climbing ropes cannot be looped back on themselves.
- Dress children appropriately for play. Use well-fitted shoes that do not have slippery soles.
- Avoid ponchos, scarves, hoods, loose fitting clothing, neckties, and any clothing with a drawstring. Serious injury could result should any part of the children's clothing become entangled in the swing set.
- Do not allow children to play wearing helmets.
- Remember that children are inventive. When they develop games that are unsafe, be alert and change the rules.

Weight limits for Treefrogs Swingsets

Fort Platform: 800 Lbs.Total Weight.

Swing Belts: 175 Lbs.

Trapeze: 125 Lbs.

Full Bucket Swing: 50 Lbs.

Toddler Bucket Swing: 50 Lbs.

Tire Swing: 125 Lbs. Total Weight

Rope Ladder: 75 Lbs.

Rock Wall: 150 Lbs.

All Slides: 125 Lbs.

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

CONSUMER INFORMATION SHEET FOR PLAYGROUND SURFACING MATERIALS

The U.S. Consumer 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 emergency rooms. Injuries involving this hazard pattern tend to be among the most serious of all playground injuries, and have the 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. However, it should be recognized that some injuries from falls will occur no matter what playground surfacing material is used.

Playground equipment should never be placed on hard surfaces such as concrete or asphalt. Grass may appear to be acceptable, but can turn to hard packed earth in areas of high traffic. Shredded bark mulch, wood chips, or fine gravel are considered to be acceptable shock absorbing surfaces when installed and maintained at a sufficient depth under and around play equipment.

TABLE 1 -CRITICAL HEIGHTS (in feet) OF TESTED MATERIAL

MATERIAL	UNCOMPRESSED DEPTH			COMPRESSED DEPTH
	6 Inch	9 Inch	12 Inch	9 inch
Wood Chips	7	10	11	10
Double Shredded Bark Mulch	6	10	11	7
Engineered Wood Fibers	6	7	>12	6
Fine Sand	5	5	9	5
Coarse Sand	5	5	6	4
Fine Gravel	6	7	10	6
Medium Gravel	5	5	6	5
Shredded Tires**	10-12	N/A	N/A	N/A

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

Table 1 should be read as follows: If, for example, uncompressed wood chips are used at a minimum of 6 inches, the Critical Height is 7 feet. If 9 inches of uncompressed wood chips are used, the Critical Height is 10 feet. It should be noted that, for some materials, the Critical Height decreases when the material is compressed. It is recommended that a shock absorbing material should extend a minimum of 6 feet in all directions from the perimeter of stationary equipment such as climbers and slides. However, because children may deliberately jump from a moving swing, the shock absorbing material should extend in the front and rear of a swing a minimum distance of 2 times the height of the pivot point measured from a point directly beneath the pivot on the supporting structure.

This 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 the playground equipment, the availability in your area, and its cost.

This information has been extracted from the CPSC publications "Playground Surfacing-Technical Information Guide" and "Handbook for Public Playground Safety." Copies of these reports can be obtained by sending a postcard to:

Office of Public Affairs
U.S. Consumer Product Safety Commission
Washington, D.C. 20207

Toll-free Hotline: 1-800-638-2772 or at <http://www.cpsc.gov>

2018 TREE FROGS Limited Lifetime Warranty

Limited 10-Year Warranty, Limited 5-Year Warranty

Tree Frogs Warranties all Jaguar Playcenter Series, Bengal Forts Series, MegaDeck Fort Series Redwood components and Cedar components against structural failure due to warping, wood rot, insect infestation (excluding Carpenter Bees) or decay for the period of 10 Years from the date of original purchase. This warranty does not cover cracks, fissions, checks, fading, knots and weathering that are normal natural characteristics of wood, that do not affect the structural integrity of the product. The Redwood and Cedar components warranty is extended to a Limited Lifetime Warranty to the original owner upon registering this warranty within 90 days of purchase at www.treefrogsswingsets.com.

Tree Frogs Warranties all Parrot Island Fort Series, Parrot Island Playcenter Series, Rainforest Cottage Series Cedar components against structural failure due to warping, wood rot, insect infestation (excluding Carpenter Bees) or decay for a period of 10 Years from the date of original purchase. This warranty does not cover cracks, fissions, checks, fading, knots and weathering that are normal natural characteristics of wood, that do not affect the structural integrity of the product.

Tree Frogs Warranties all Toucan Fort Series, Toucan Playcenter Series, Orangutan Fort Series, Stand Alone Swings Cedar components against structural failure due to warping, wood rot, insect infestation (excluding Carpenter Bees) or decay for a period of 5 Years from the date of original purchase. This warranty does not cover cracks, fissions, checks, fading, knots and weathering that are normal natural characteristics of wood, that do not affect the structural integrity of the product.

In addition, a 10-Year Limited Warranty applies to all roto-molded slides, ductile iron swing hangers, tire swivels, metal climbing rungs and swing beam brackets against failure due to rust or failure in defect in material. Surface rust, fading, weathering, cracks/chips in coatings and corrosion that do not affect structural integrity are not covered by this warranty. Furthermore, a 5-Year Limited Warranty applies to all components & accessories including all swings, chain ladders, gliders, handles, brackets, bubble panels, tarps, steering/ships wheels, telescopes, binoculars, buoy ball, blow molded slides and disc seat that are not covered under the 10-Year Warranty to be free from defects in material and workmanship. Surface rust, fading, weathering, cracks/chips in coatings and corrosion that do not affect structural integrity are not covered by this warranty.

And for a period of 1-Year Tree Frogs warranties all ropes, structural foam molded slides to be free of defects in material and workmanship. Fading is not considered a defect and may occur with seasonal and geographical conditions.

****10-Year Warranty Exclusion:** Toucan Fort Series, Toucan Playcenter Series, Orangutan Series, Stand Alone Swings (Limite 5Yr/5Yr/1Yr WARRANTY).

This warranty is limited to a repair or replacement of the defective part. Product covered under this warranty will be shipped at the customer's expense. Tree Frogs is not responsible for any expense associated with freight, or delivery and installation of the warranted part(s). Tree Frogs reserves the right to inspect all warranty claim parts for which a claim has been made.

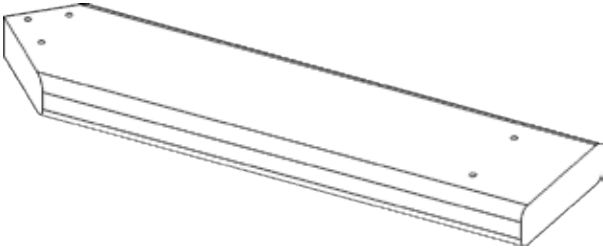
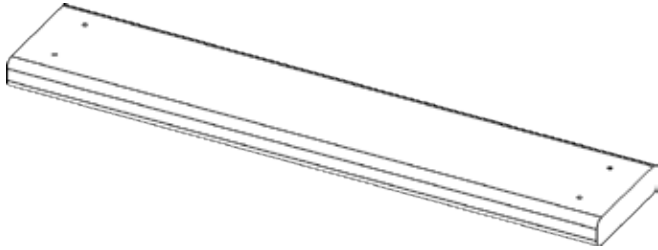
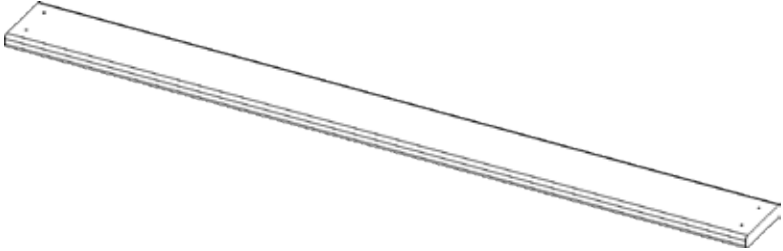
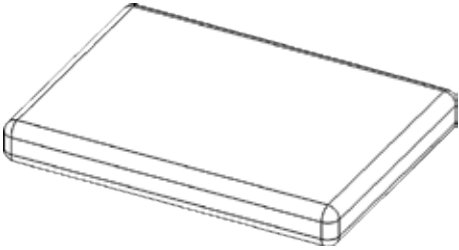
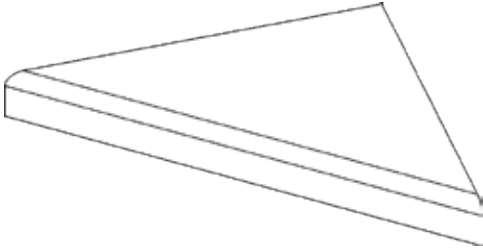
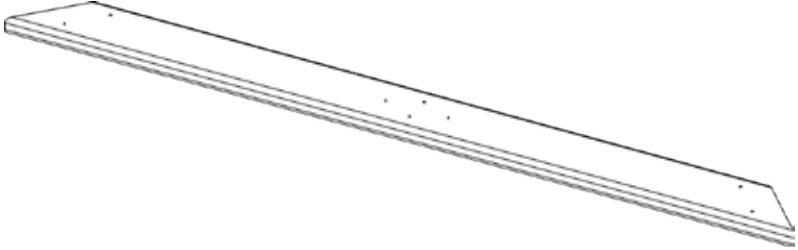
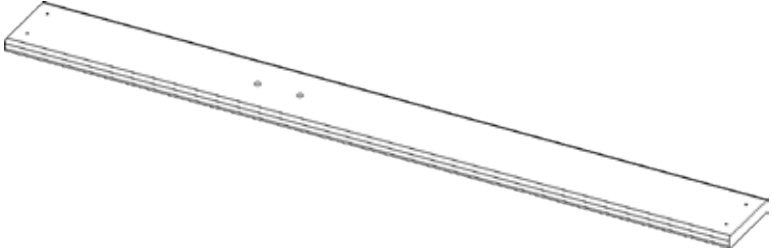
This limited warranty applies only to the original retail purchaser and for residential use only, non-residential use voids warranty. These warranties void when product is transferred or sold or no longer in possession by original owner. A copy of the original invoice must be presented to initiate warranty claim. This limited warranty does not cover damage from abuse, acts of God, vandalism, maintenance guideline neglect, alterations, normal wear & tear, use other than residential, unauthorized modification, damage due to moving of product or improper installation and or use. Any modification could damage the structural integrity of the play system and voids all warranties.

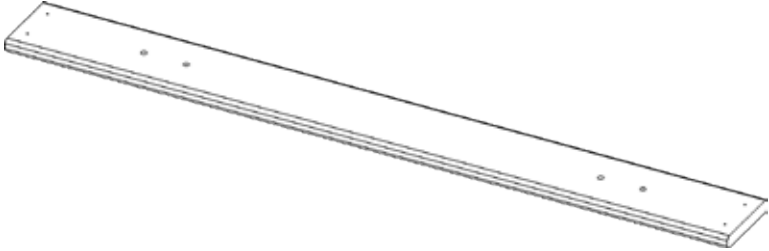
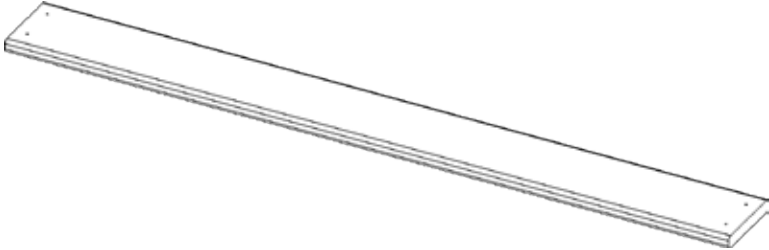
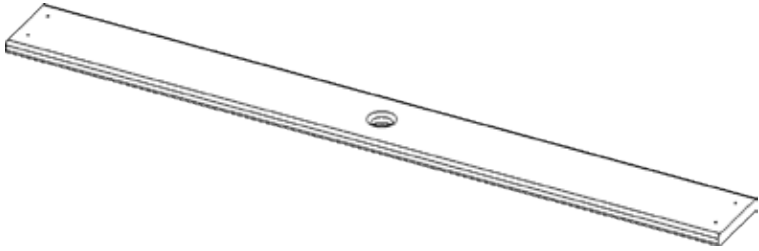
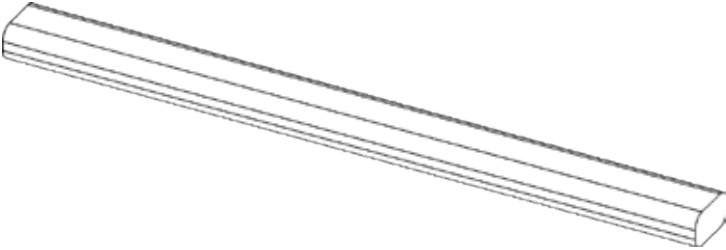
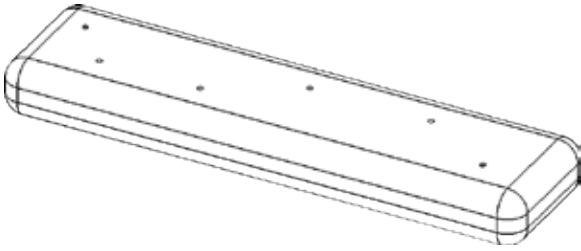
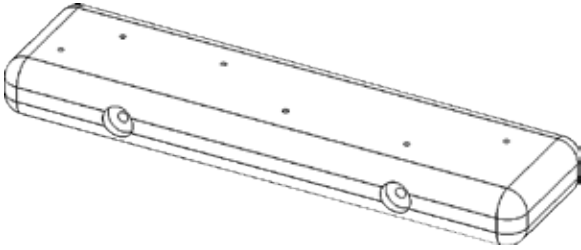
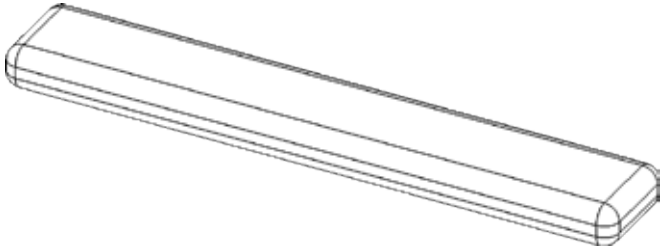
This warranty is exclusive and expressly in lieu of all other warranties, expressed or implied, including warranties of merchantability or fitness for use. Tree Frogs does not assume, or authorize any person to assume for us, any other liability in connection with the sale of our products.

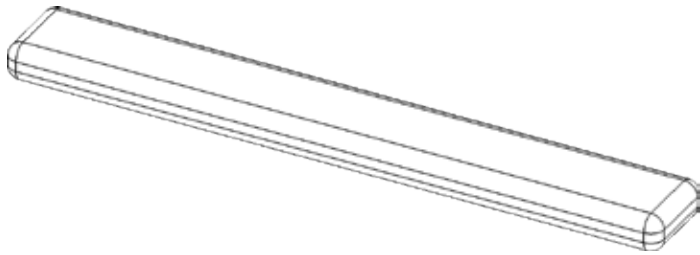
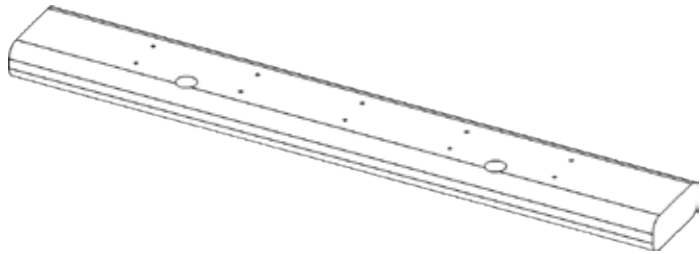
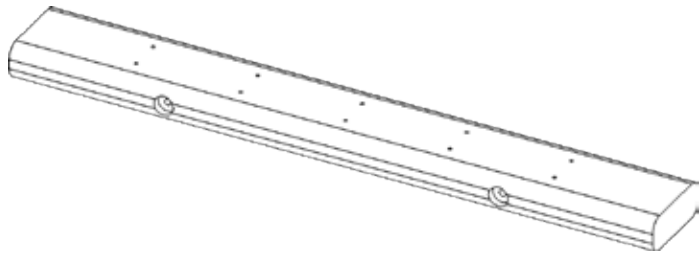
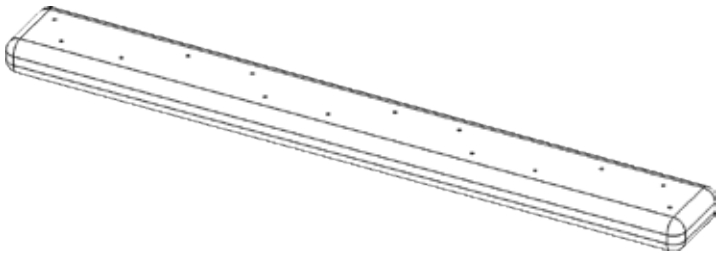
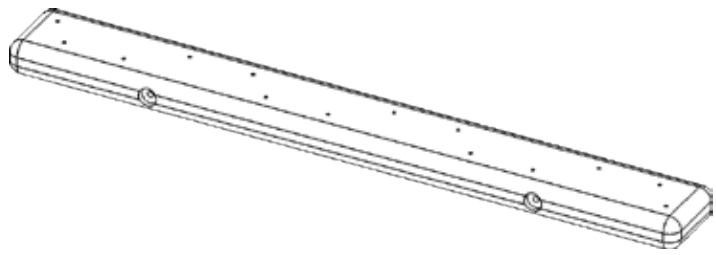
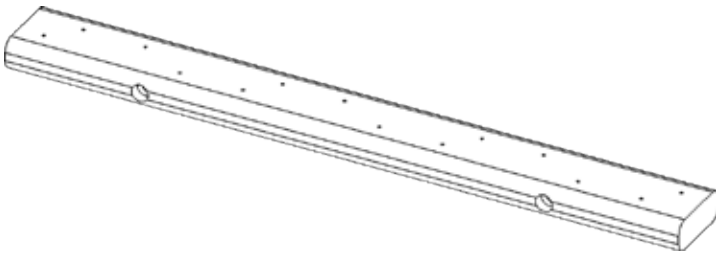
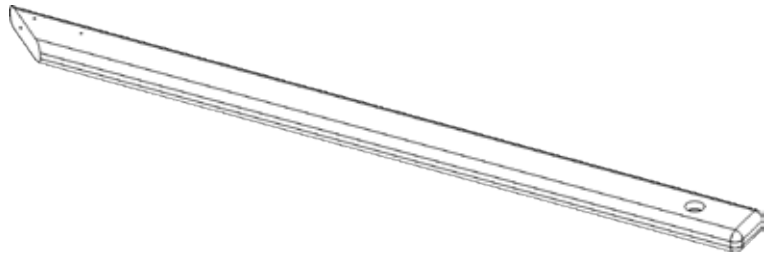
This warranty gives you specific legal rights, and you also may have other rights that vary from state to state. Register your play system's warranty at www.treefrogsswingsets.com.

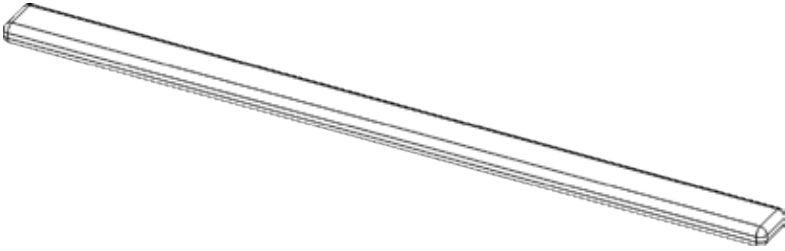
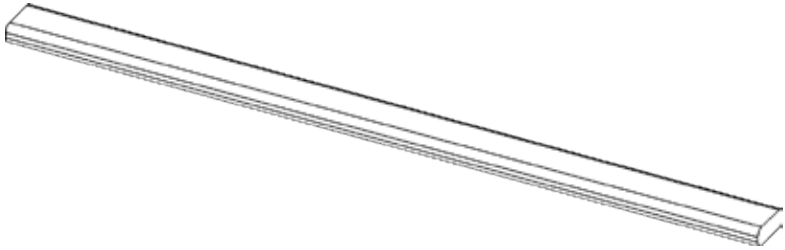
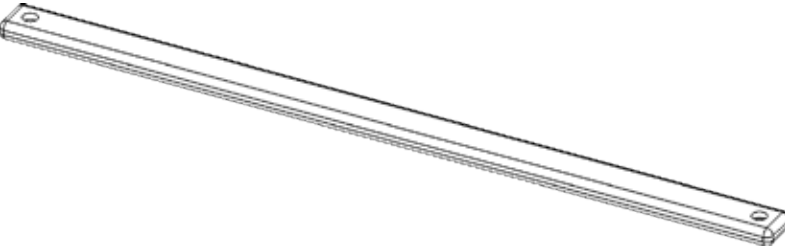
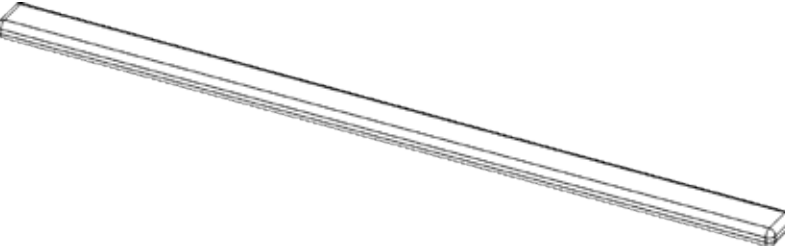
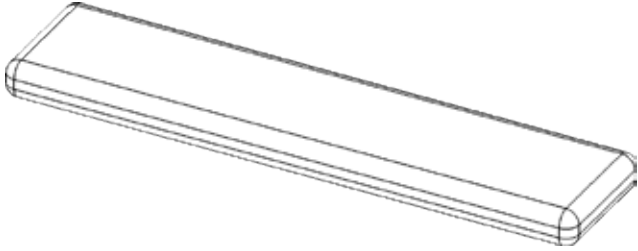
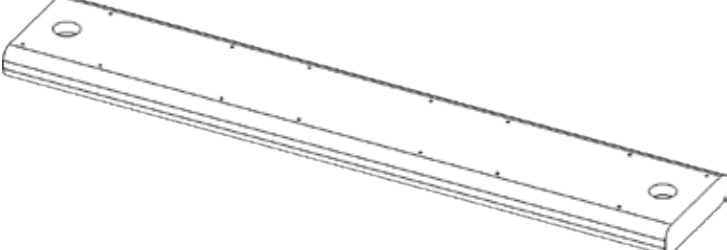
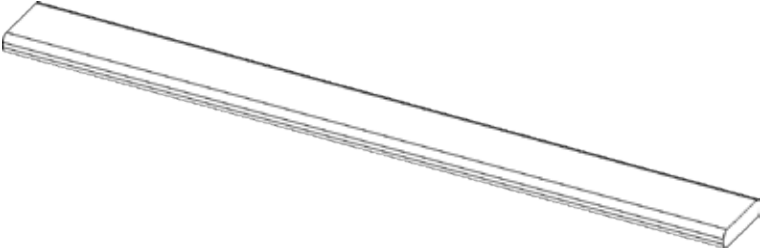
Tree Frogs reserves the right at any time to change product specifications or substitute similar components.

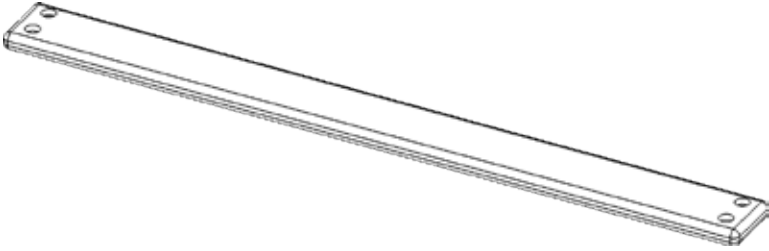
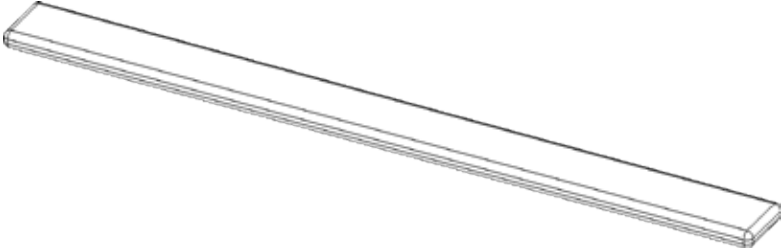
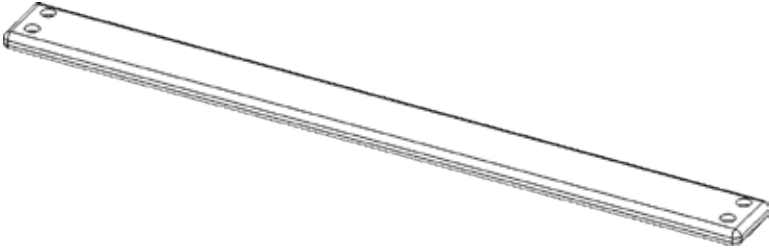
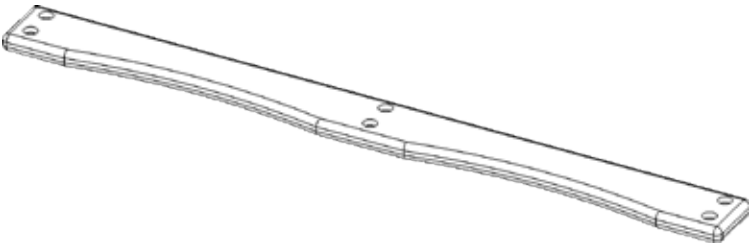
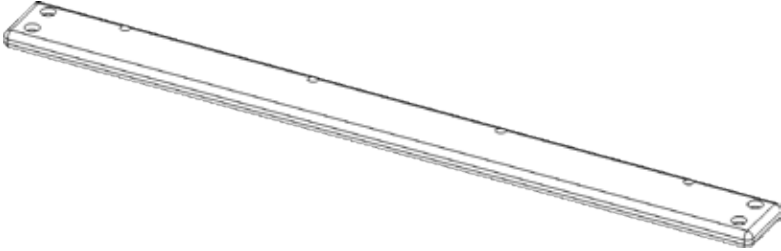
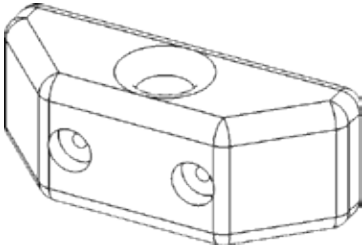
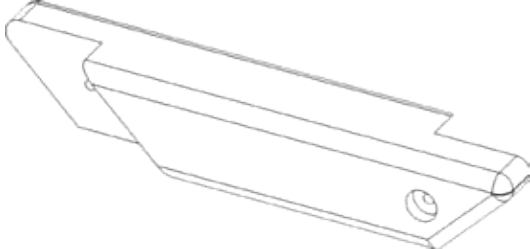
See your instruction manual for guidelines on regular maintenance. <http://treefrogsshowrooms.com/installation-manuals/>. Your child's play system & perimeter play zone should be inspected regularly for any wear & safety hazards.

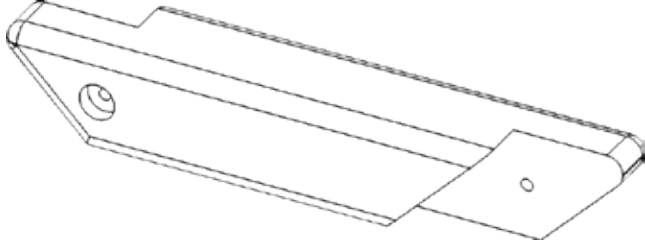
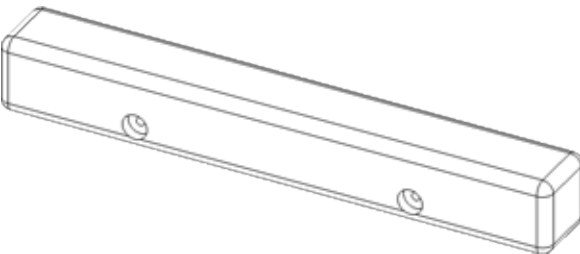
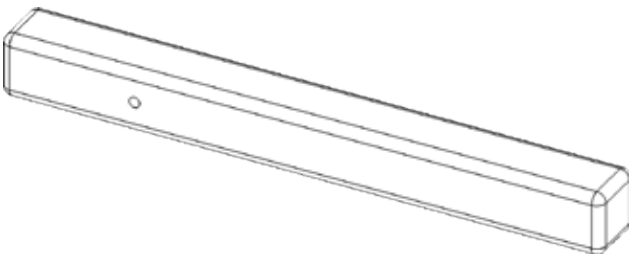
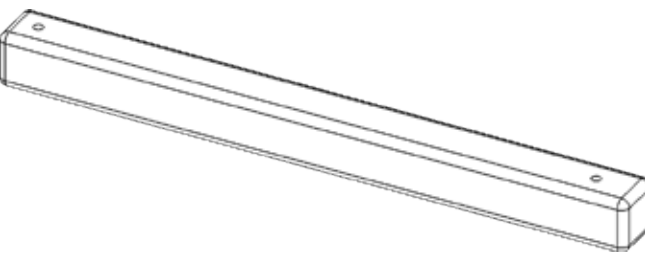
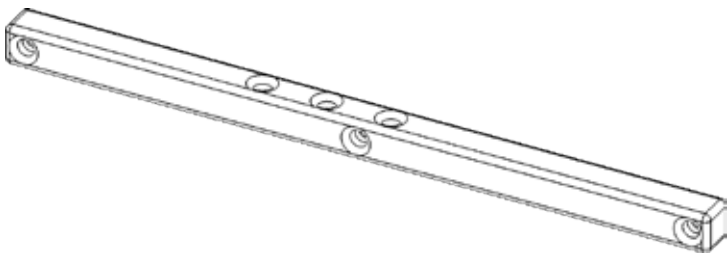
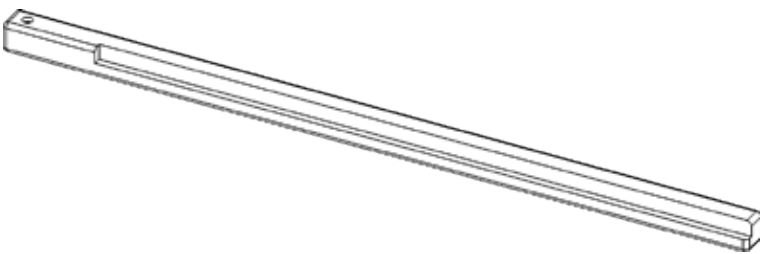
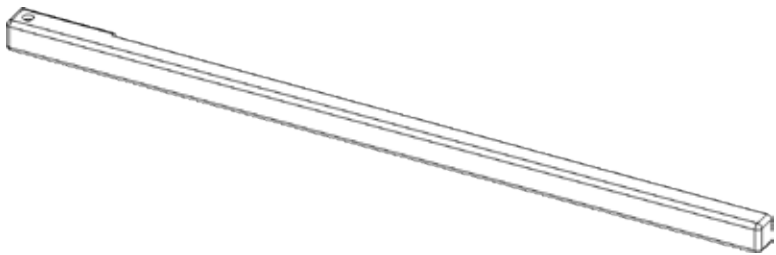
KSI-404 5.8 Bengal Fort Lumber	Description	QTY.
	(CC-003) 404-1 12 1/8" Long Fan Board	4
	(CC-015) 404-2 18" Center Fan Board	2
	404-3 50 1/8" Blank Rockwall Board	1
	(CC-051) 404-4 7 3/16" Center Fan Cap	2
	(CC-053) 404-5 9 9/16" Wood Roof Peak	2
	(CC-041) 404-6 42 1/2" Bottom Fan Board	2
	(CC-084) 404-7 50 1/8" 1- Rock Rockwall Board	5

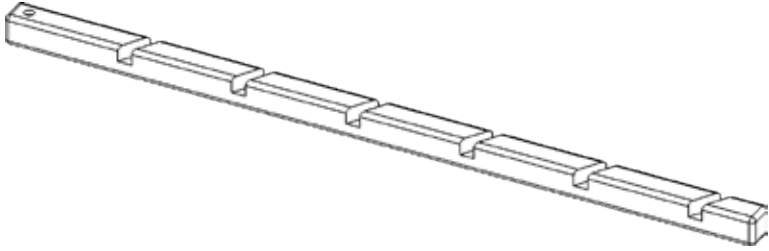
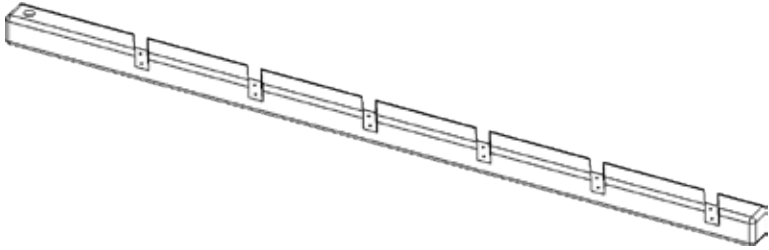
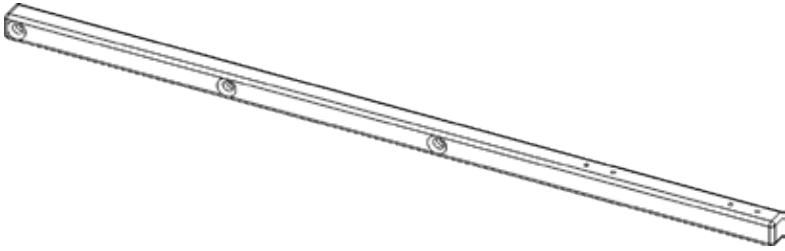
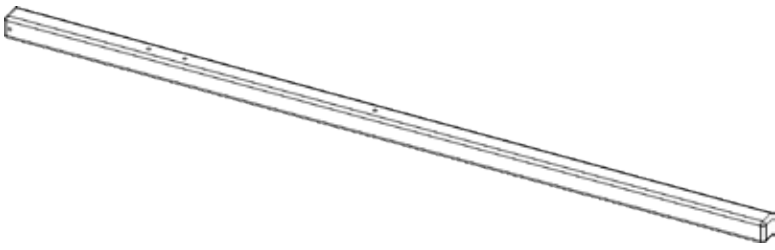
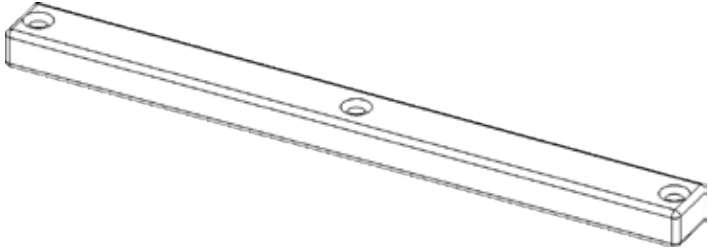
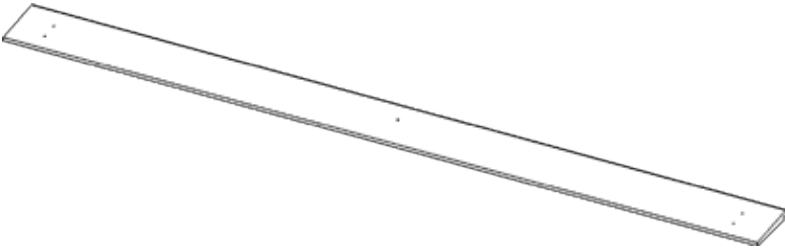
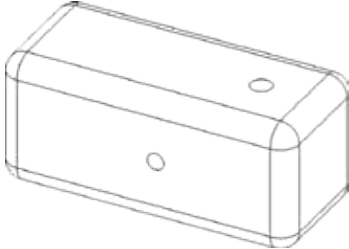
KSI-404 5.8 Bengal Fort Lumber	Description	QTY.
	(CC-085) 404-8 50 1/8" 2- Rock Rockwall Board	4
	(CC-086) 404-9 50 1/8" Blank Rockwall Board	3
	(CC-087) 404-10 50 1/8" Rope Hole Rockwall Board	1
	(CC-088) 404-11 27 1/2" Rail Spindle	20
	(CC-091) 404-12 12 7/8" Center Picnic Support	2
	(CC-092) 404-13 12 7/8" Picnic Side Support	4
	(CC-098) 404-14 20" Wood Roof Support	2

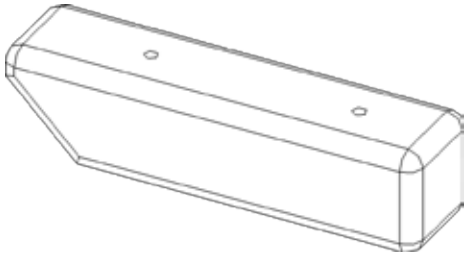
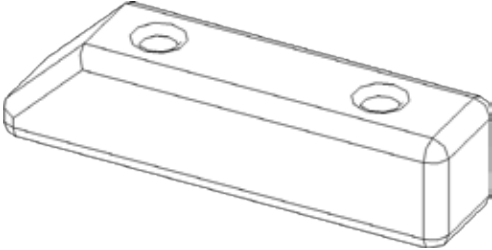
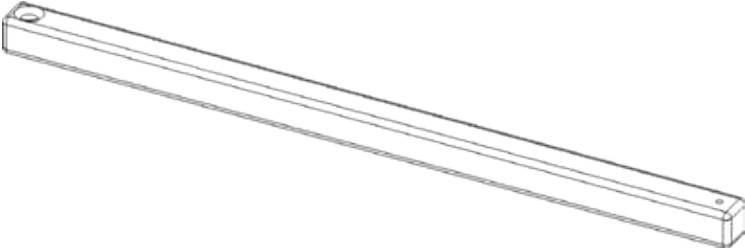
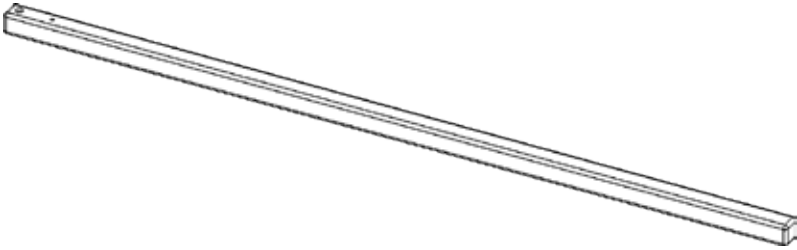
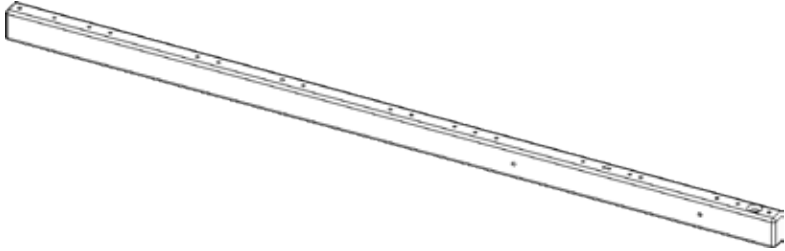
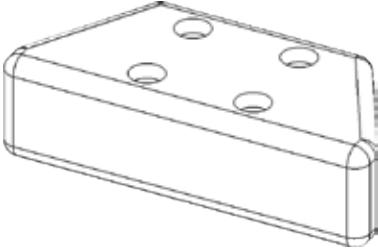
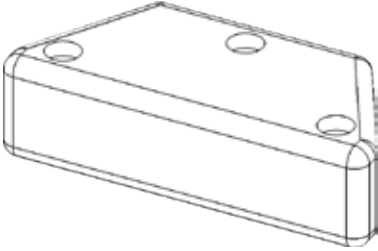
KSI-404 5.8 Bengal Fort Lumber	Description	QTY.
	(CC-097) 404-15 24 1/2" Wood Roof Support	2
	(CC-100) 404-16 25" Rail Bottom	6
	(CC-099) 404-17 25" Rail Top	3
	(CC-105) 404-18 28 1/4" Picnic Center Support	1
	(CC-106) 404-19 28 1/4" Picnic Side Support	2
	(CC-104) 404-20 30" Deck Runner	4
	(CC-107) 404-21 48 1/8" Wood Roof Support	4

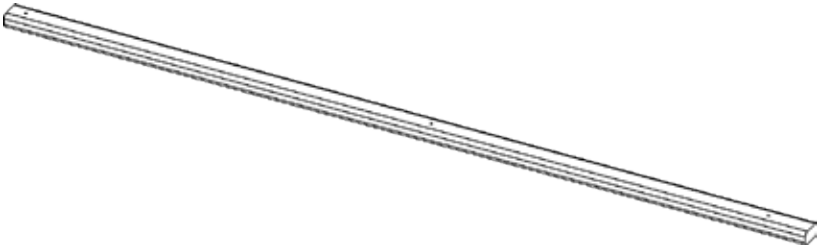
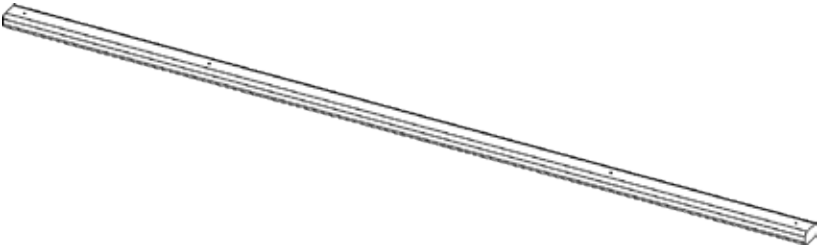
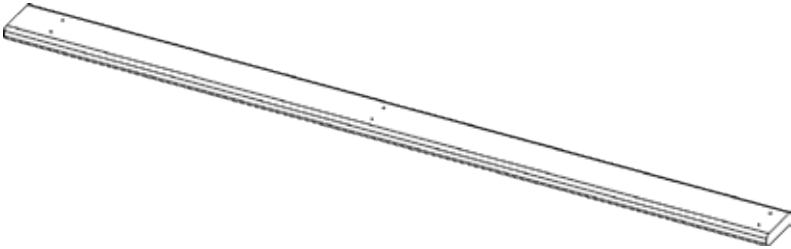
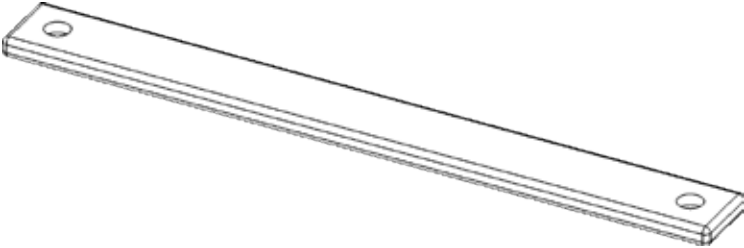
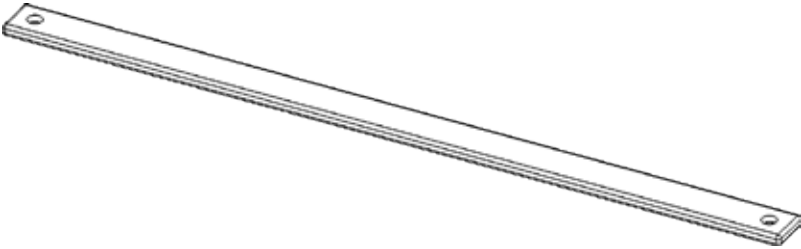
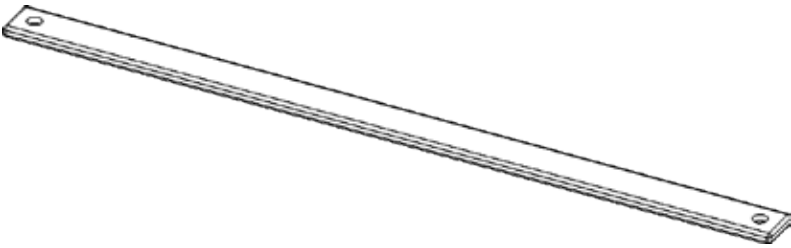
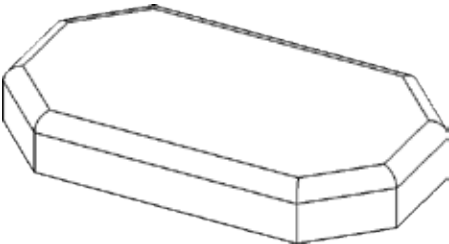
KSI-404 5.8 Bengal Fort Lumber	Description	QTY.
	(CC-113) 404-22 54" Picnic Table Board	2
	(CC-114) 404-23 54" Deck Board	8
	(CC-115) 404-24 60 1/4" Picnic Support	4
	(CC-117) 404-25 60 3/4" Picnic Table Board	4
	(CC-123) 404-26 21 9/16" Step	6
	(CC-122) 404-27 30" Center Deck Support	2
	(CC-124) 404-28 54" Deck Board	6


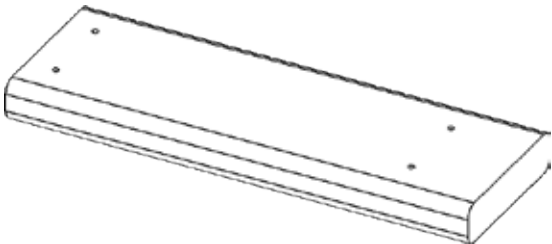
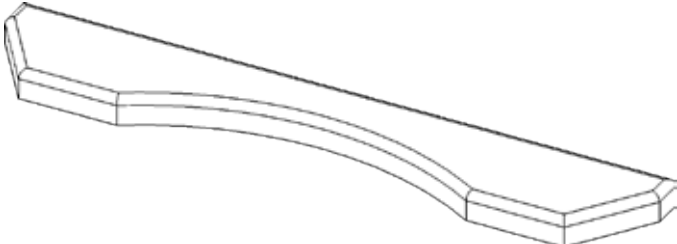
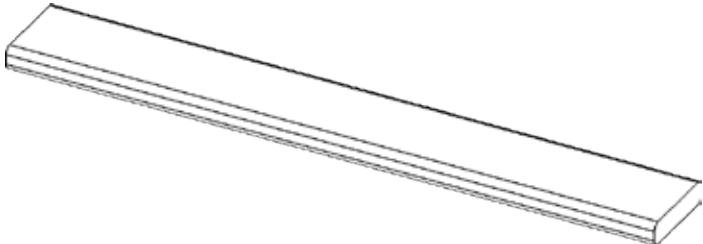
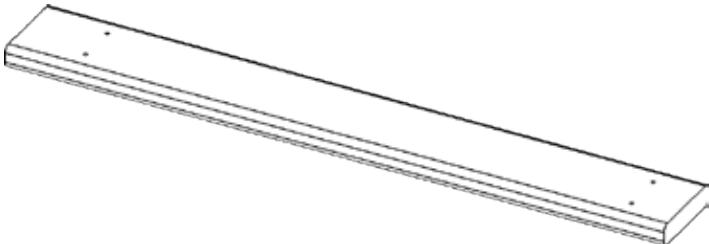
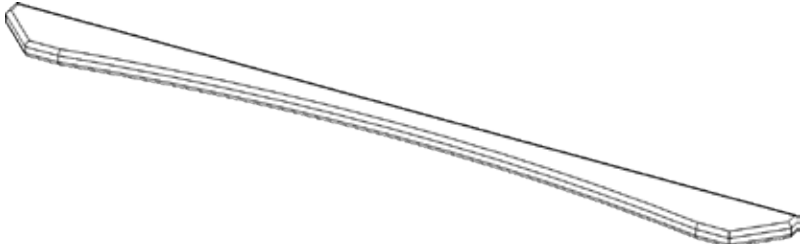
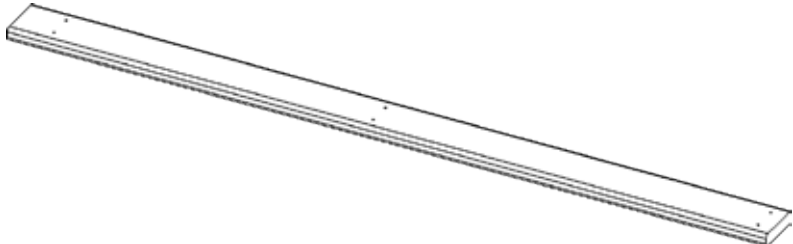
KSI-404 5.8 Bengal Fort Lumber	Description	QTY.
	(CC-125) 404-29 60 1/4" 4- Hole Facia	5
	(CC-126) 404-30 60 3/4" Picnic Table Board	7
	(CC-127) 404-31 60 3/4" 4- Hole Facia	5
	(CC-128) 404-32 60 3/4" 6- Hole Facia	2
	(CC-129) 404-33 60 3/4" 8- Hole Facia	2
	(CC-143) 404-34 11" Rope Block	1
	(CC-148) 404-35 19" Right Gusset	3

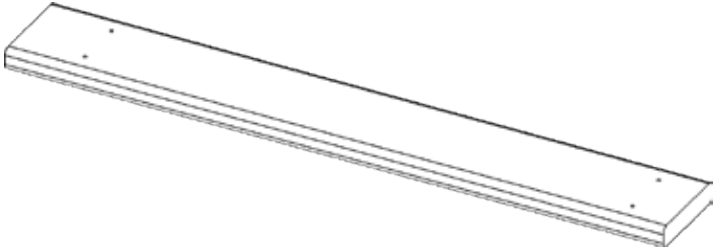
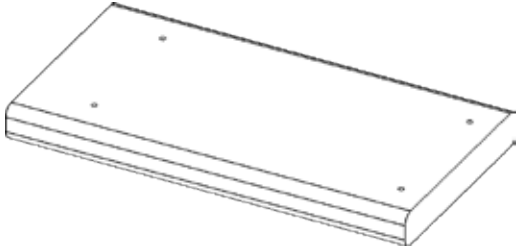
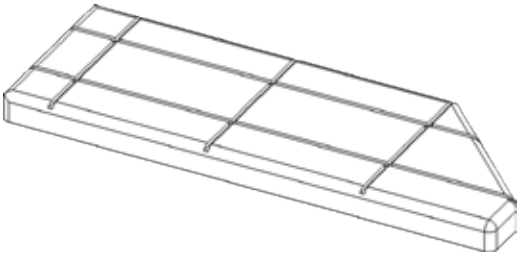
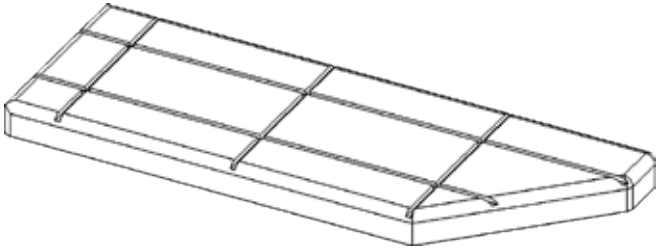
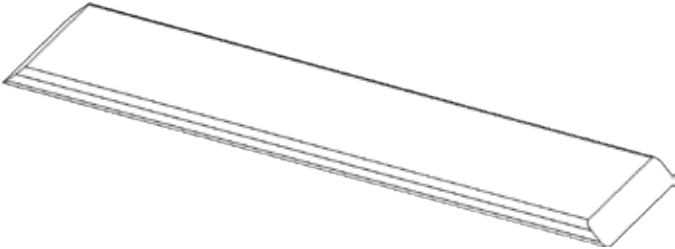
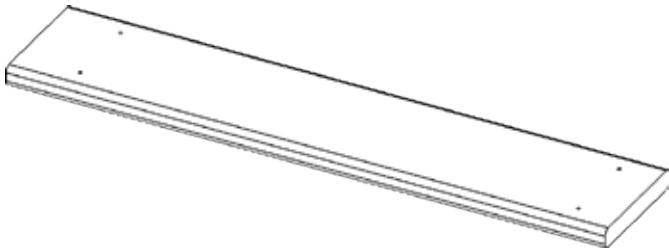
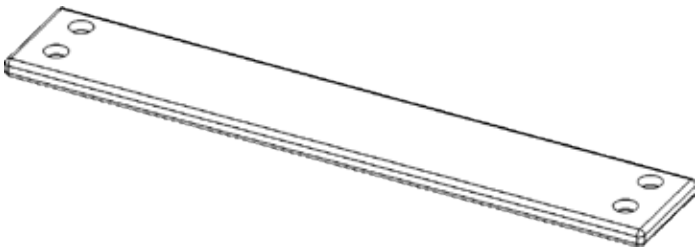
KSI-404 5.8 Bengal Fort Lumber	Description	QTY.
	(CC-149) 404-36 19" Left Gusset	2
	(CC-142) 404-37 25" Entrapment Block	2
	(CC-164) 404-38 32 1/8" Center Post	2
	(CC-165) 404-39 38 7/8" Center Upright	2
	(CC-160) 404-40 60 1/4" Swingbeam Top Joist	1
	404-41 86" Right Rockwall Leg	1
	404-42 86" Left Rockwall Leg	1

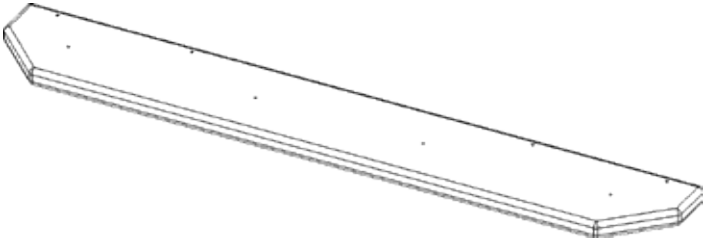
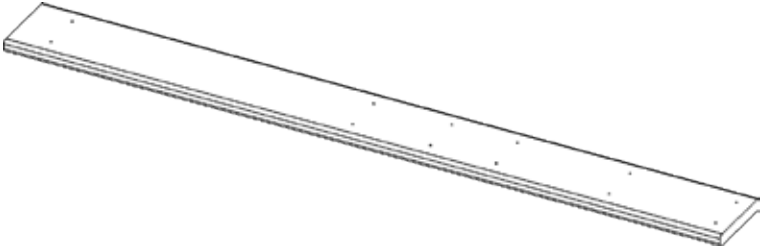
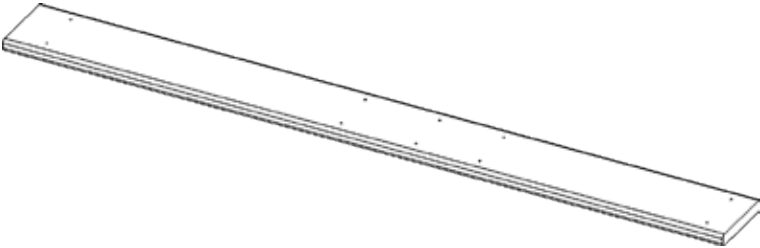
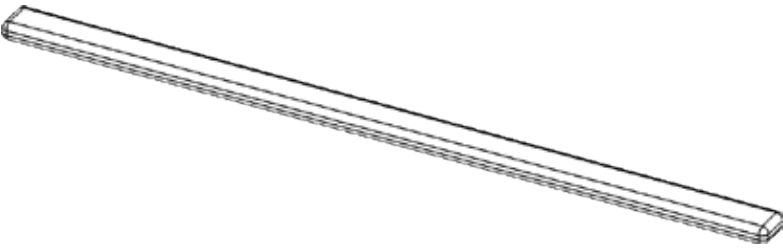
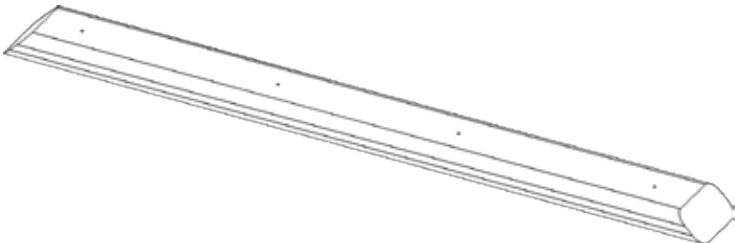
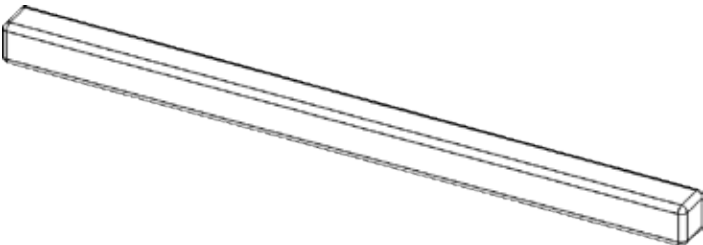
KSI-404 5.8 Bengal Fort Lumber	Description	QTY.
	404-43 91" Left Ladder Leg	1
	404-44 91" Right Ladder Leg	1
	(CC-166) 404-45 104" Trapeze Arm	1
	404-46 119 11/16" Corner Post	4
	(CC-187) 404-47 60 1/4" Mainbeam	2
	(CC-195) 404-48 67 1/2" Wood Roof Board	22
	(CC-240) 404-49 7 7/8" Center A-Frame Block	1

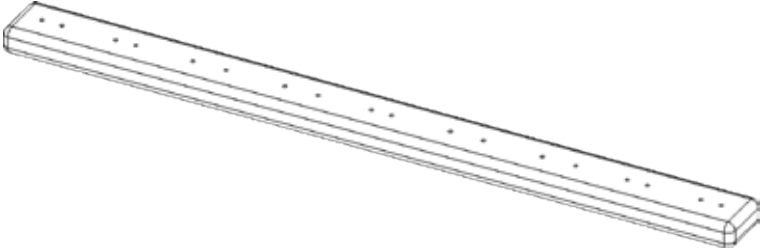
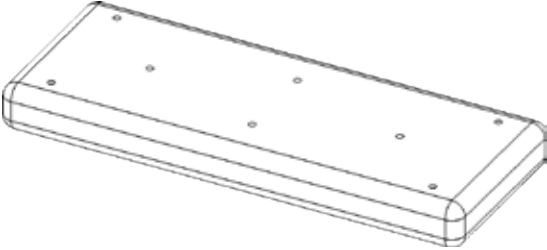

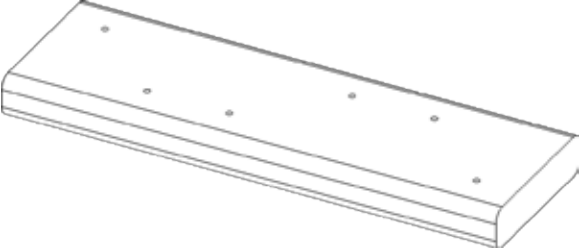
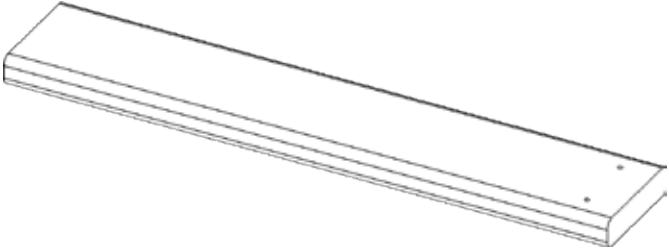
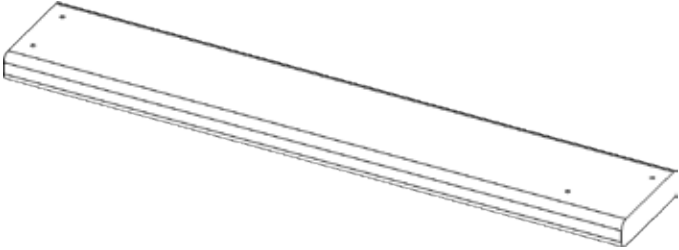
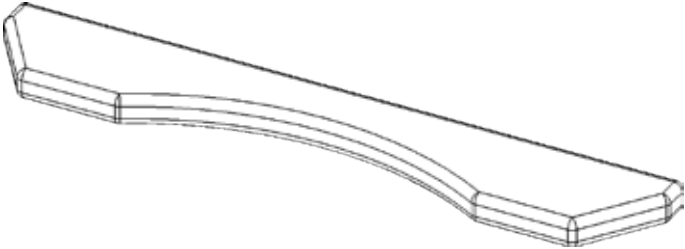
KSI-404 5.8 Bengal Fort Lumber	Description	QTY.
	(CC-243) 404-50 13 3/8" A-Frame Block	1
	(CC-244) 404-51 13 3/8" A-Frame Block Sunk	1
	(CC-155) 404-52 70" A-Frame Crossmember	1
	(CC-157) 404-53 124" A-Frame Leg	2
	(CC-184) 404-54 132 5/8" Universal Swingbeam	1
	(CC-199) 404-55 12" Slide Block #1	1
	(CC-200) 404-56 12" Slide Block #2	1

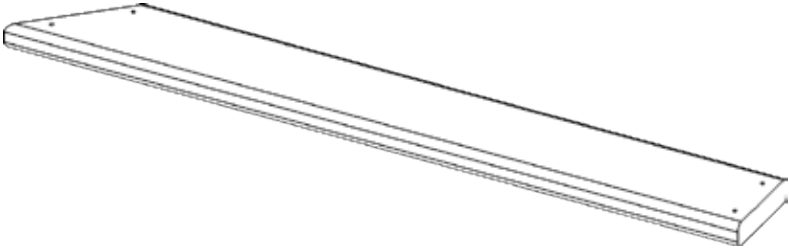
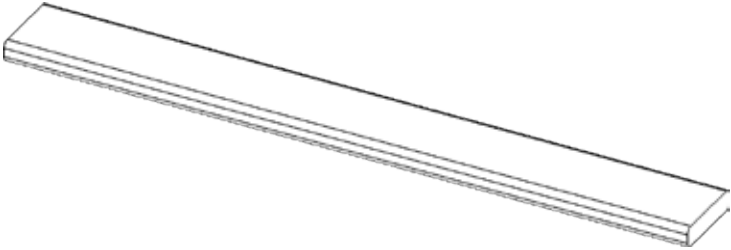
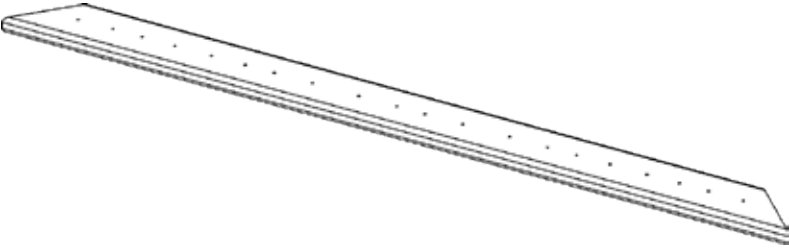
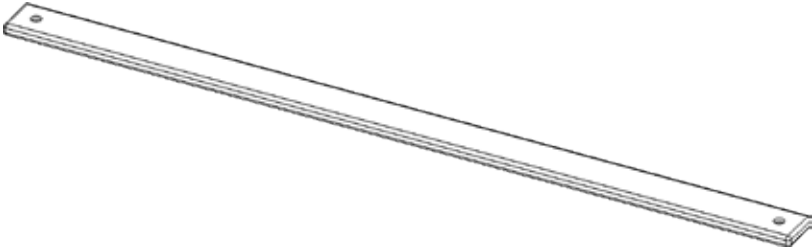
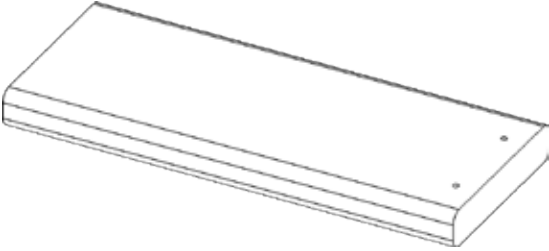
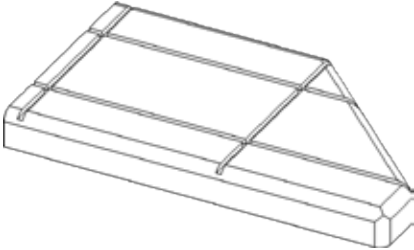
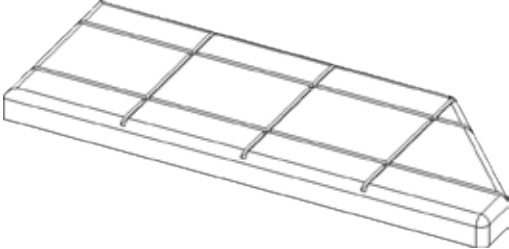
KSI-407 Playhouse Panel Lumber	Description	QTY.
	407-1 55 3/8" Slim Door Board	2
	407-2 55 3/4" Door Stop	1
	407-3 55 13/16" Center Playhouse Panel Board	
	(CC-027) 407-4 32 1/8" Door Side Cross Facia	2
	(CC-037) 407-5 60 1/4" Side Cross Facia	4
	(CC-040) 407-6 60 3/4" Store Cross Facia	2
	(CC-005) 407-7 6" Door Knob Plate	1

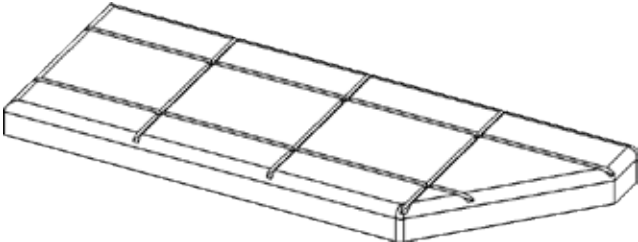
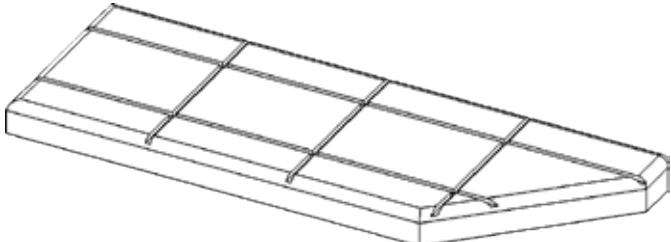
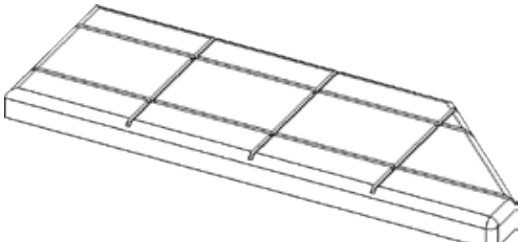
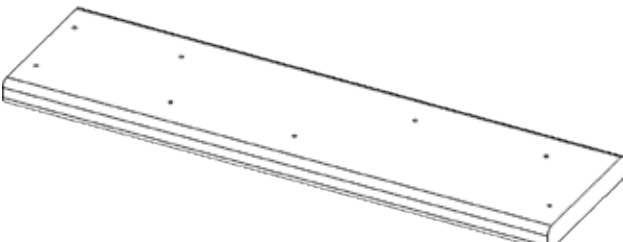
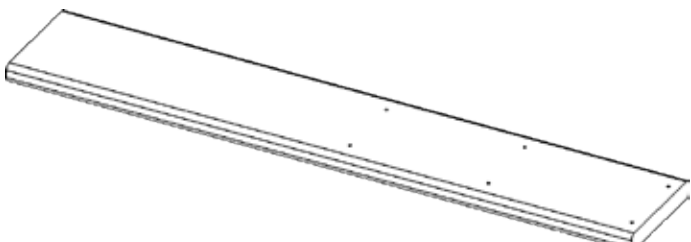
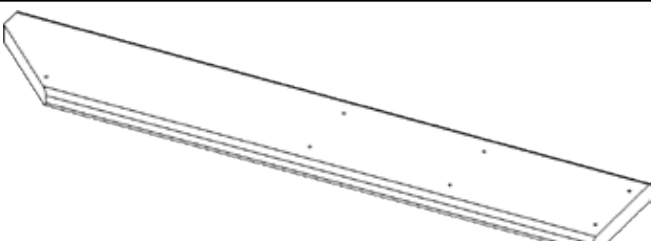
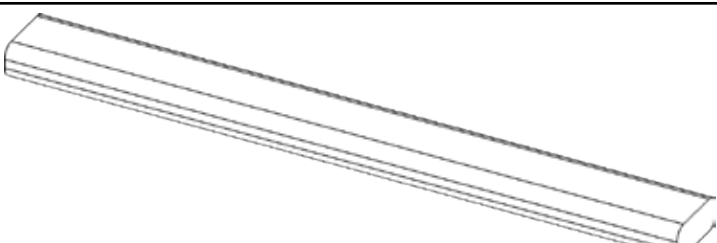
KSI-407 Playhouse Panel Lumber	Description	QTY.
	407-8 12 9/16" Upper Door Filler	3
	407-9 13 11/16" Above Window Filler	22
	(CC-016) 407-10 20" Playhouse Window Arch	6
	(CC-018) 407-11 24 1/2" Door Cross Piece	2
	407-12 26 1/4" Lower Board	24
	(CC-030) 407-13 44 1/2" Store Arch	1
	407-14 55 13/16" Panel End Board	7

KSI-407 Playhouse Panel Lumber	Description	QTY.
	407-15 26 3/8" Store Lower Center Filler	1
	407-16 13 11/16" Store Upper Wide Filler	2
	407-17 15" Playhouse Left Shutter	7
	407-18 15" Playhouse Right Shutter	7
	(CC-048) 407-19 24 1/2" Large Door Bottom Angled	1
	407-20 26 3/8" Lower Wide Under Store Board	2
	(CC-049) 407-21 32 1/8 Large Lower Side Door Crosspiece	1

KSI-407 Playhouse Panel Lumber	Description	QTY.
	(CC-050) 407-22 35 1/4" Playhouse Store Counter	1
	407-23 55 3/8" Door Large Board	2
	407-24 57 5/16" Playhouse Shutter Board	12
	(CC-090) 407-25 60 3/4" Lower Deck Filler	1
	(CC-108) 407-26 35" Store Counter Support	1
	407-27 59 11/16" Playhouse Panel Upright	1

KSI-406 Treehouse Panel Lumber	Description	QTY.
	(CC-001) 406-1 24 13/16" Panel Filler Support	8
	406-2 8 3/4" Treehouse Center Holder	2
	406-3 10 1/2" Treehouse Panel Board #1	8
	406-4 10 1/2" Side Center Holder	2
	406-5 18" Side Center Panel Board	2
	406-6 19 1/2" Side Panel End Board	4
	(CC-016) 406-7 20" Window Arch	4

KSI-406 Treehouse Panel Lumber	Description	QTY.
	406-8 26 1/4" End Treehouse Panel Board	4
	406-9 29" Center Panel Board	2
	406-10 45 3/8" Panel Board #2	2
	(CC-038) 406-11 60 1/4" Side Facia	2
	406-12 10 1/2" Center Panel Board	4
	406-13 9 1/8" Left SB Side Shutter	1
	(CC-057) 406-14 14" Side Left Shutter	3

KSI-406 Treehouse Panel Lumber	Description	QTY.
	(CC-058) 406-15 14" Side Right Shutter	4
	406-16 15" Right Shutter	4
	406-17 15" Left Shutter	4
	406-18 19 1/2" Side Shutter Board	8
	406-19 30 1/2" Large Panel Board	4
	406-20 30 1/2" End Panel Board	4
	(CC-089) 406-21 27 1/2" Panel Filler	16

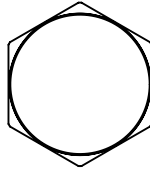
404-HWR-BAG 5.8 JAGUAR FORT BASE HARDWARE

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

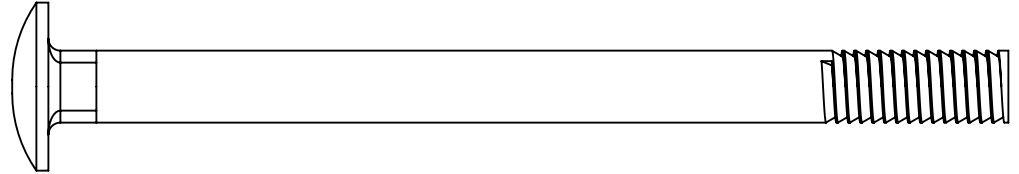
A-1
3/8" Acorn Nut Plated
QTY. 8



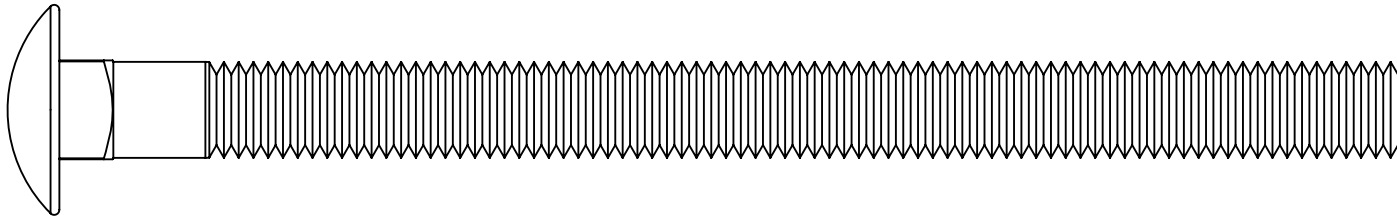
A-2
1/2" Acorn Nut Plated
QTY. 12



A-3
3/8" x 5" Carriage Bolt
QTY. 4



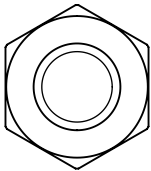
A-4
1/2" x 7" Carriage Bolt
QTY. 12



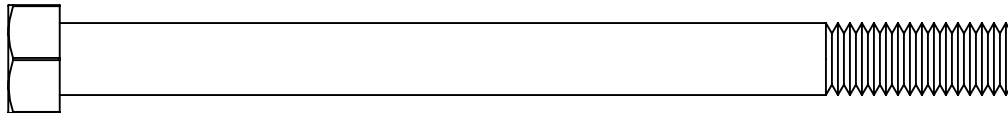
A-5
3/8" Hex Nut
QTY. 4



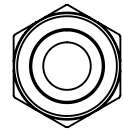
A-6
1/2" Hex Nut
QTY. 12



A-7
3/8" x 5" Hex Bolt
QTY. 4



A-8
3/8" Nylon Insert Locknut
QTY. 4



A-9
3/8" Split Lockwasher
QTY. 8



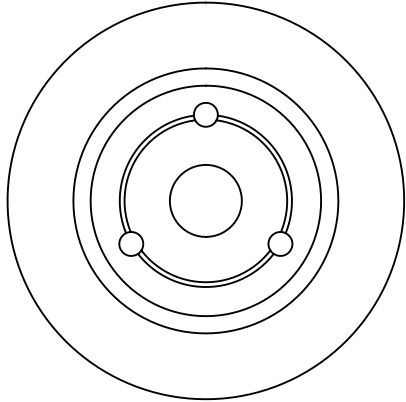
MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT

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

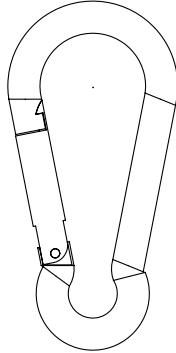
404-HWR-BAG 5.8 JAGUAR FORT BASE HARDWARE

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

A-10
3/8" Bolt Cup
QTY. 4



A-11
8 x 80mm Spring Clip
QTY. 2



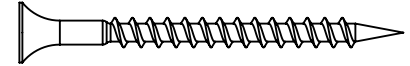
A-12
#2 & #3 Drive Bit
QTY. 1



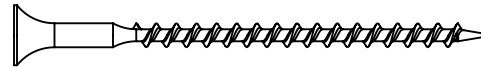
Bag B
1 1/2" Coated Deck Screw
QTY. 156



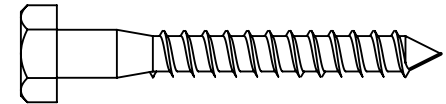
Bag C
2" Coated Deck Screw
QTY. 8



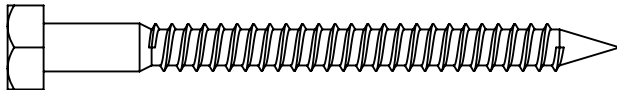
Bag D
2 1/2" Coated Deck Screw
QTY. 306



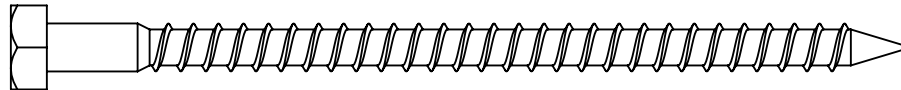
Bag E
1/4" x 2" Hex Lag Screw
QTY. 4



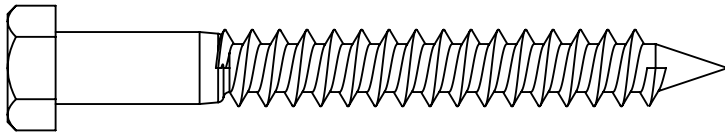
Bag F
1/4" x 3" Hex Lag Screw
QTY. 22



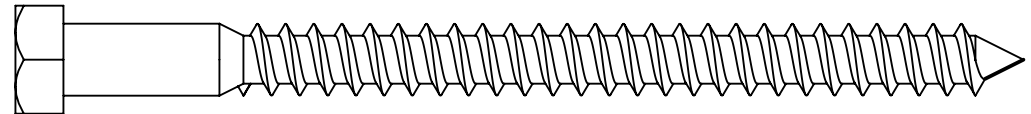
Bag G
1/4" x 4 1/2" Hex Lag Screw
QTY. 54



Bag H
3/8" x 3 1/2" Hex Lag Screw
QTY. 75



Bag I
3/8" x 5" Hex Lag Screw
QTY. 75



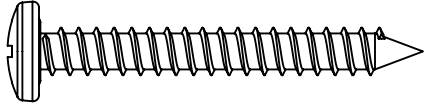
MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT

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

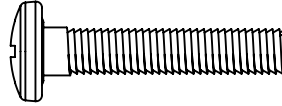
404-HWR-BAG 5.8 JAGUAR FORT BASE HARDWARE

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

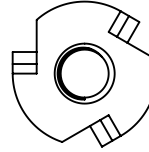
Bag J
#14 x 2" Pan Phillips T/S
QTY. 17



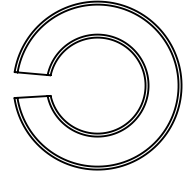
Bag K
1/4" x 1 1/4" Pan Phillips M/S
QTY. 32



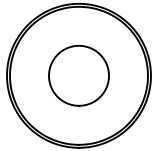
Bag L
1/4" T-Nut
QTY. 32



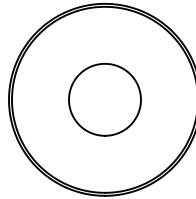
Bag M
1/2" Split Lockwasher
QTY. 12



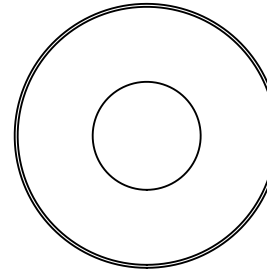
Bag N
1/4" USS Flatwasher
QTY. 129



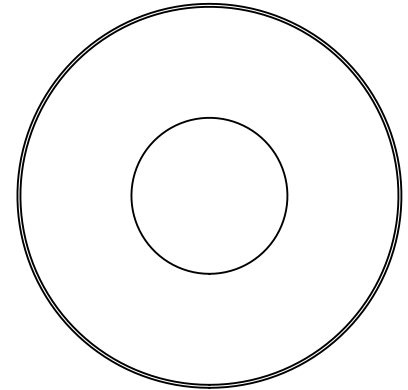
Bag O
3/8" USS Flatwasher
QTY. 129



Bag P
1/2" USS Flatwasher
QTY. 16



Bag Q
3/4" USS Flatwasher
QTY. 12



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT

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

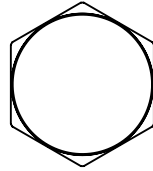
404-SB-HWR 5.8 SWINGBEAM HARDWARE

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

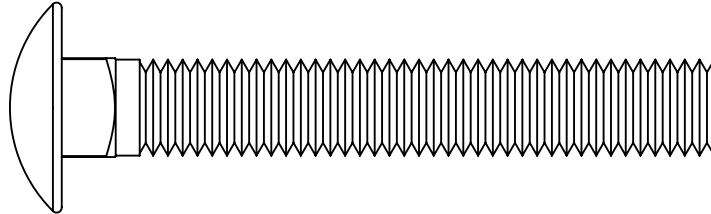
SB-1
3/8" Acorn Nut Plated
QTY. 10



SB-2
1/2" Acorn Nut Plated
QTY. 9



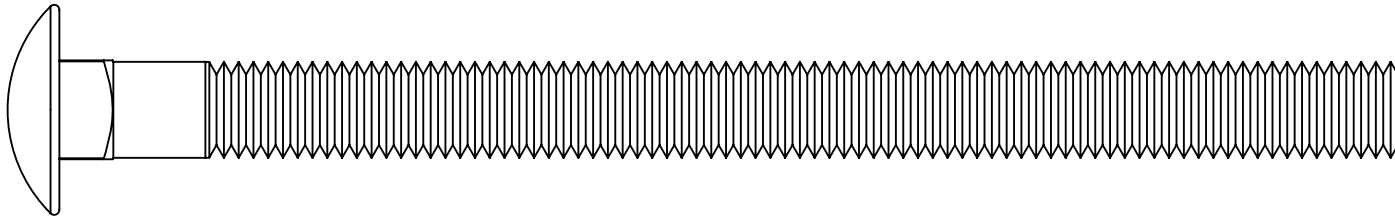
SB-3
1/2" x 3 1/2" Carriage Bolt
QTY. 2



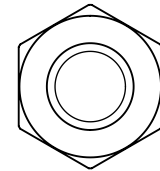
SB-6
3/8" Hex Nut
QTY. 2



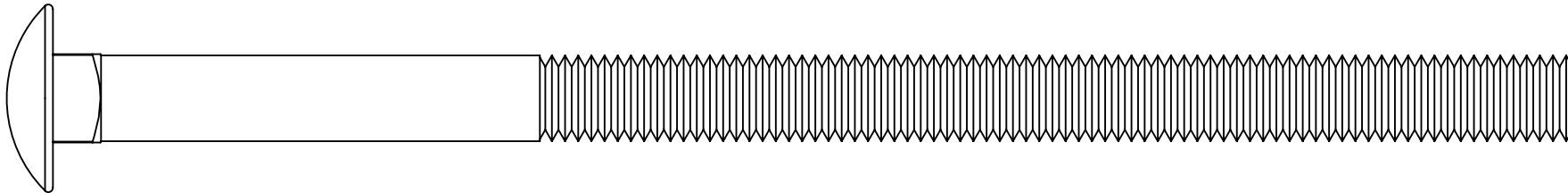
SB-4
1/2" x 7" Carriage Bolt
QTY. 5



SB-7
1/2" Hex Nut
QTY. 9



SB-5
1/2" x 9" Carriage Bolt
QTY. 1



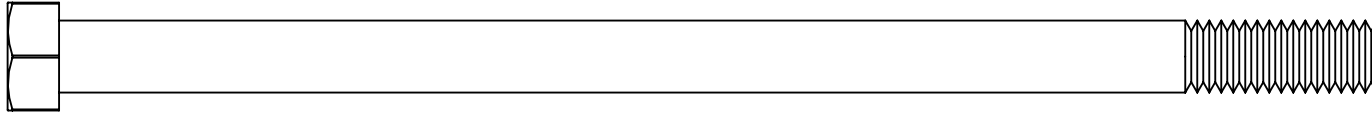
MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT

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

404-SB-HWR 5.8 SWINGBEAM HARDWARE

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

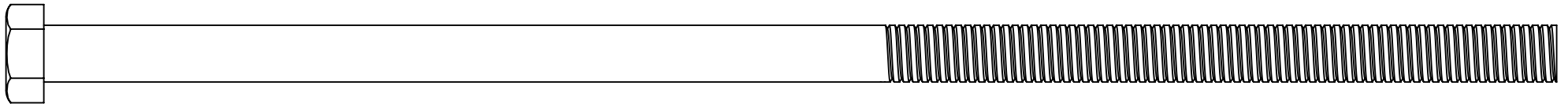
SB-8
3/8" x 7" Hex Bolt
QTY. 8



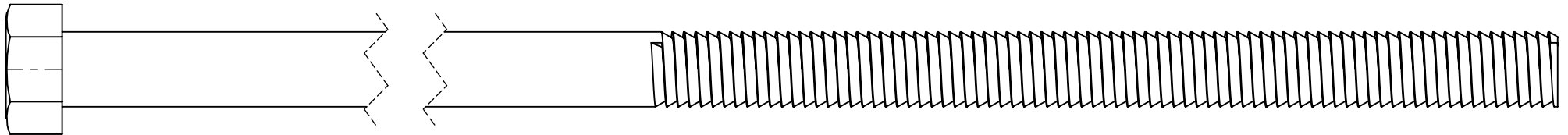
SB-13
3/8" Nylon Insert Locknut
QTY. 7



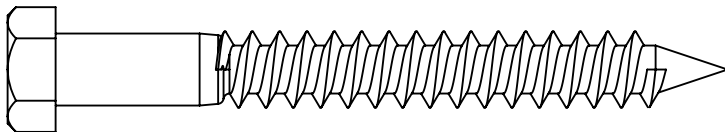
SB-9
3/8" x 10" Hex Bolt
QTY. 2



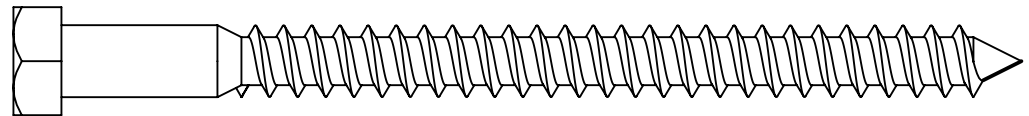
SB-10
1/2" x 11 1/2" Hex Bolt
QTY. 1



SB-11
3/8" x 3 1/2" Hex Lag Screw
QTY. 2



SB-12
3/8" x 5" Hex Lag Screw
QTY. 2



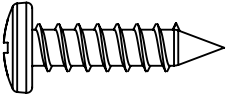
MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT

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

404-SB-HWR 5.8 SWINGBEAM HARDWARE

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

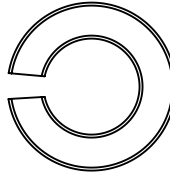
SB-14
#14 x 1" Pan Phillips T/S
QTY. 2



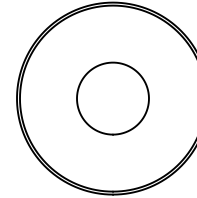
SB-15
3/8" Split Lockwasher
QTY. 10



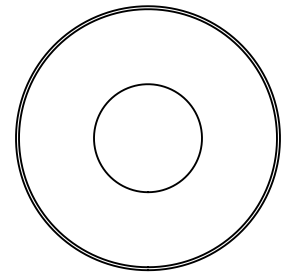
SB-16
1/2" Split Lockwasher
QTY. 9



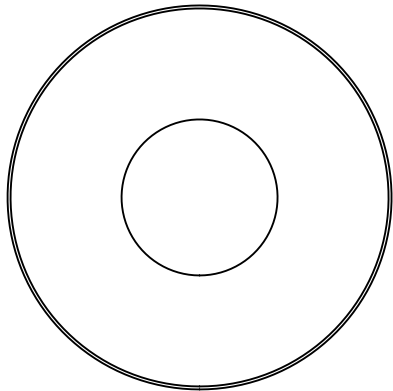
SB-17
3/8" USS Flatwasher
QTY. 14



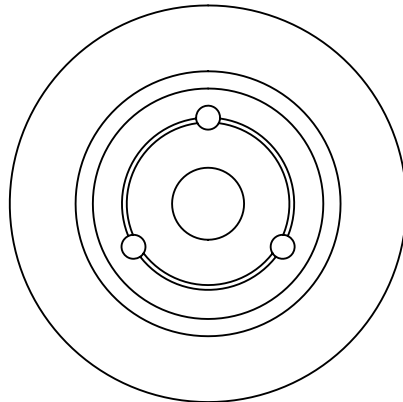
SB-18
1/2" USS Flatwasher
QTY. 10



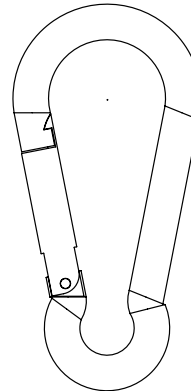
SB-19
3/4" USS Flatwasher
QTY. 8



SB-20
3/8" Bolt Cup
QTY. 20



SB-21
8 x 80mm Spring Clip
QTY. 4



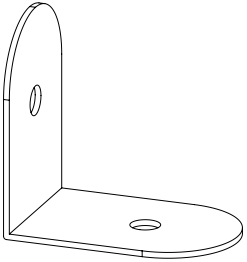
MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT

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

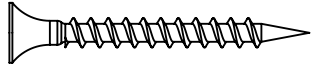
407-HWR-BAG PLAYHOUSE PANEL HARDWARE

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

PP-1
90 Degree Bracket
QTY. 2



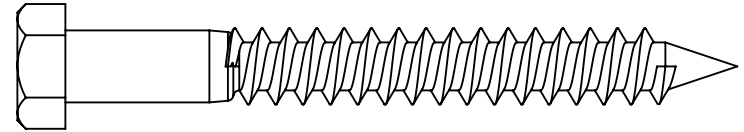
PP-2
1 5/8" Coated Deck Screw
QTY. 424



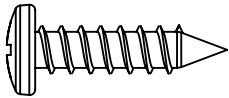
PP-3
2" Coated Deck Screw
QTY. 8



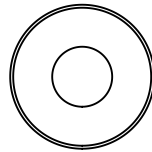
PP-4
3/8" x 3 1/2" Hex Lag Screw
QTY. 20



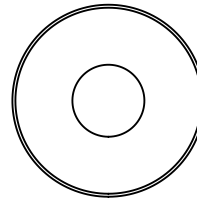
PP-5
#14 x 1" Pan Phillips T/S
QTY. 16



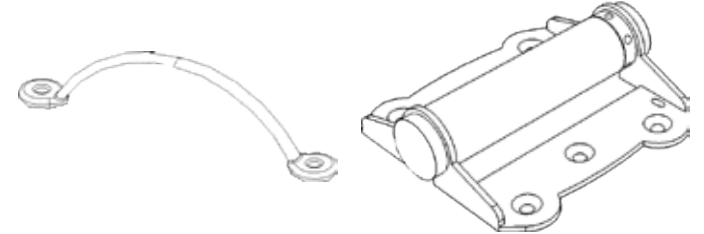
PP-6
1/4" USS Flatwasher
QTY. 4



PP-7
3/8" USS Flatwasher
QTY. 20



PP-8
Hinges w/ Handles and Screws
QTY. 1



PP-9
#2 & 3 Drive Bit
QTY. 1



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT

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

406-HWR-BAG TREEHOUSE PANEL HARDWARE

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

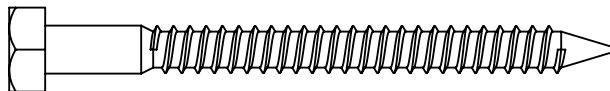
TP-1
1 1/2" Coated Deck Screw
QTY. 385



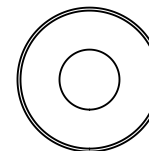
TP-2
2" Coated Deck Screw
QTY. 36



TP-3
1/4" x 3" Hex Lag Screw
QTY. 4



TP-4
1/4" USS Flatwasher
QTY. 4

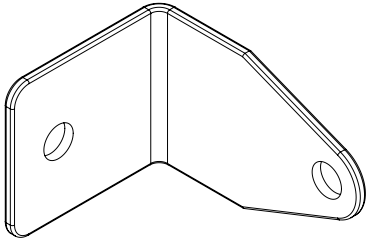
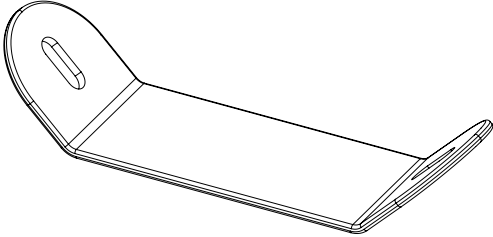
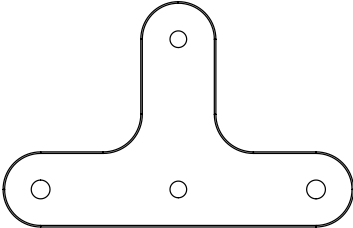
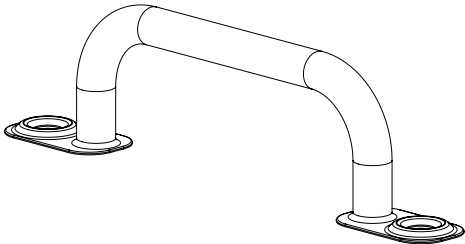






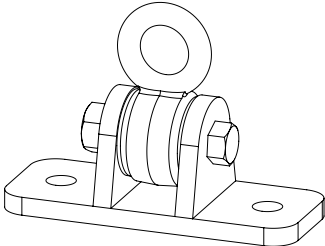

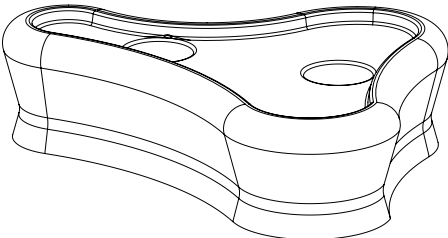
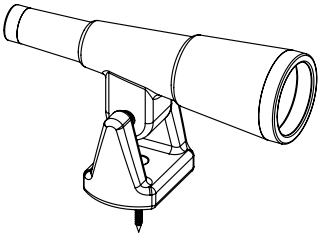
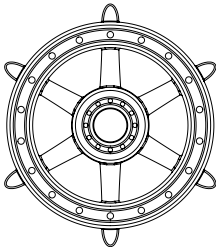
TP-5
#2 & 3 Drive Bit
QTY. 1



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT

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

KSI-404 Bengal Fort Accessories	Description	QTY.
	404-A Fort Ladder Bracket	2
	404-B 45 Degree Swingbeam Bracket	2
	404-C Swingbeam T-Plate	1
	404-D Playgrip Safety Handle	5
	404-E PLaygrip Ladder Handle	2
	404-F 14' Yellow Rope	2
	404-G 20" Trapeze Bar w/ Rings	1

Picture	Description	QTY.
	404-H Disc Swing	1
	404-I Dutable Iron Swing Hanger	6
	404-J 72" Chained Belt Swing	2
	404-K Rockwall Rocks	13
	404-L Telescope	1
	404-M 19" Ships' Wheel	1

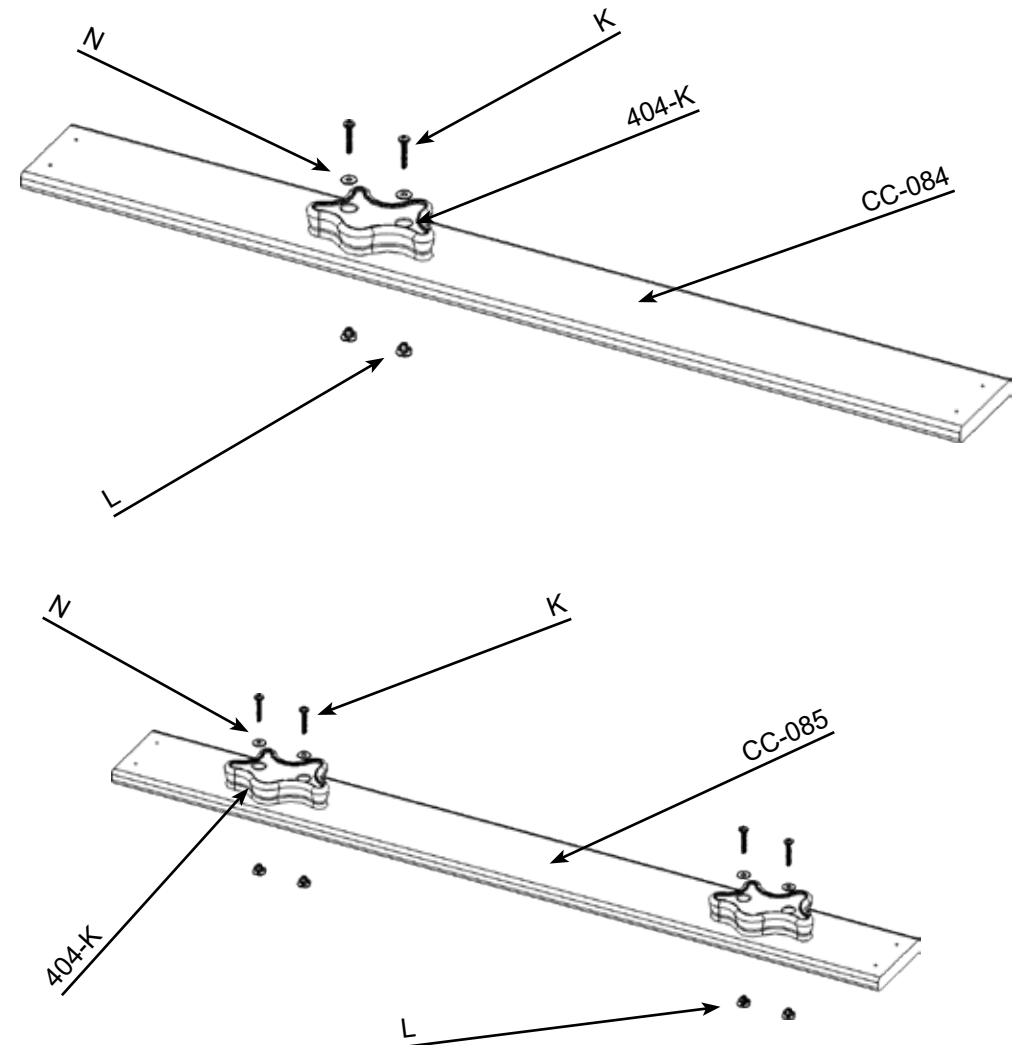
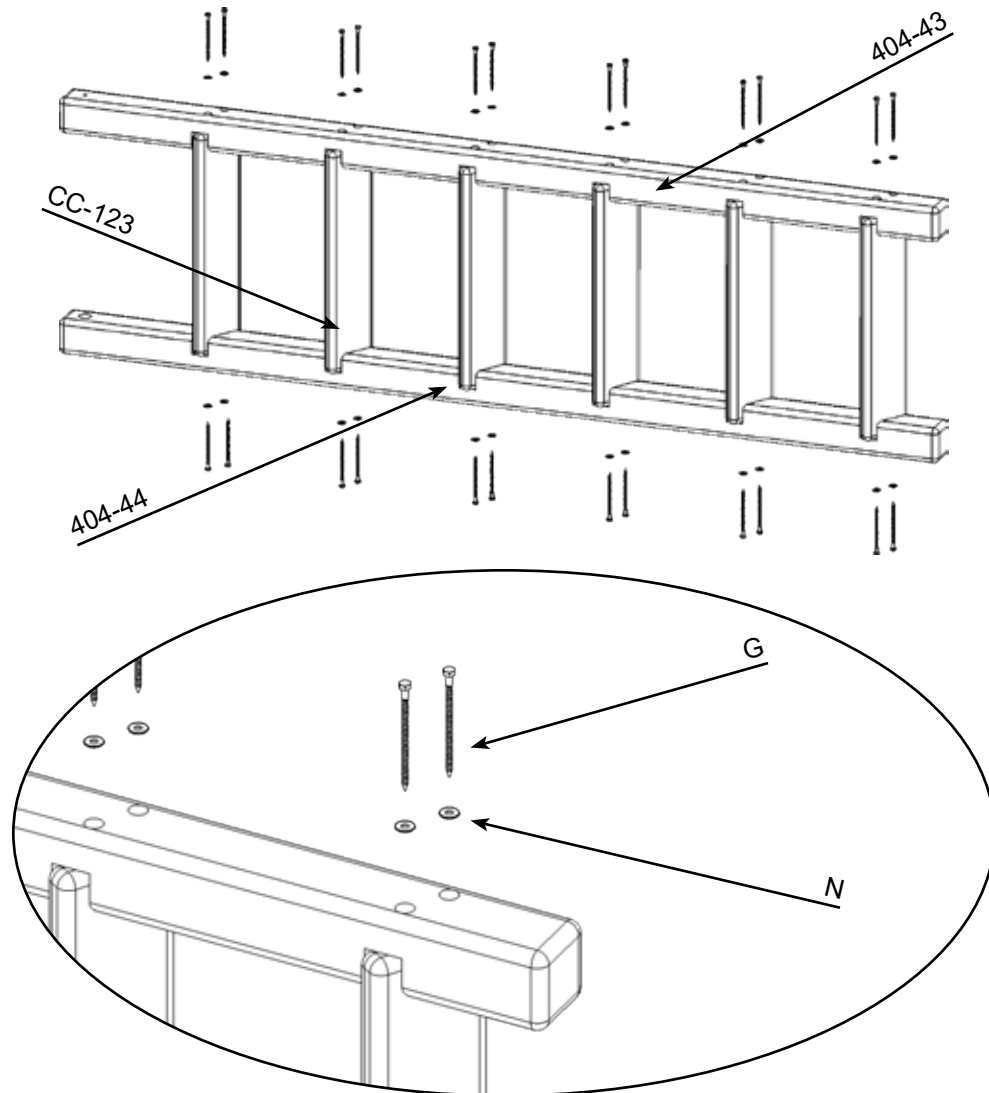
Ladder Assembly

PARTS NEEDED

404-43- 91" Left Ladder Leg-	(1)	CC-123- 21 9/16" Ladder Step-	(6)
404-44- 91" Right Ladder Leg-	(1)	CC-084- 50 1/8" 1- Rock Rockwall Board-	(5)
CC-085- 50 1/8" 2- Rock Rockwall Board-	(4)		

HARDWARE NEEDED

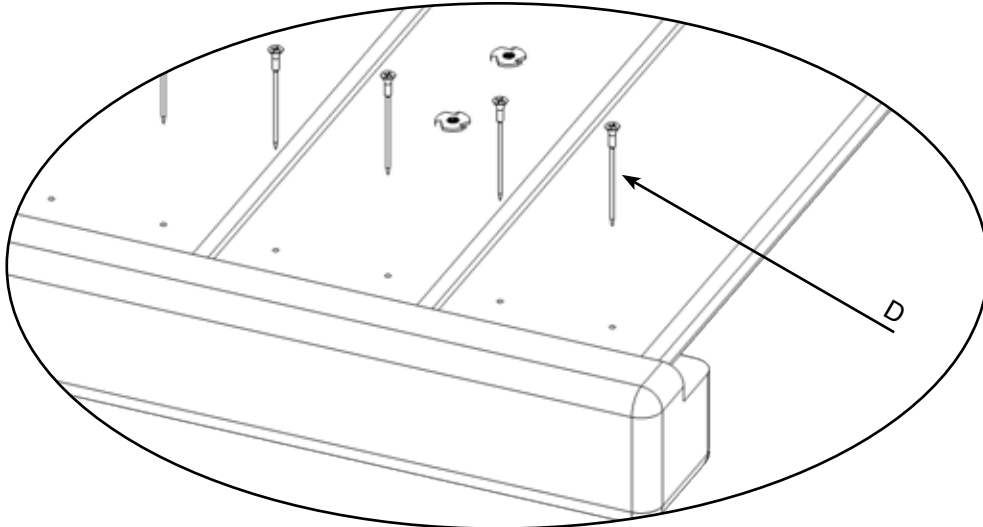
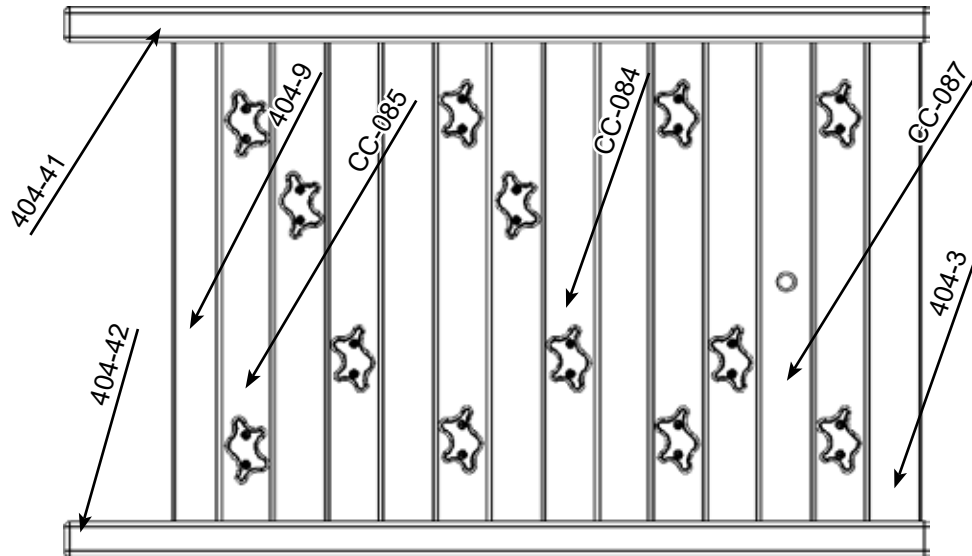
G- 1/4" x 4 1/2" Hex Lag Screw-	(24)
N- 1/4" USS Flatwasher-	(50)
K- 1/4" x 1 1/4" Pan Phillips M/S-	(26)
L- 1/4" T-Nut-	(26)



Rockwall Assembly

PARTS NEEDED

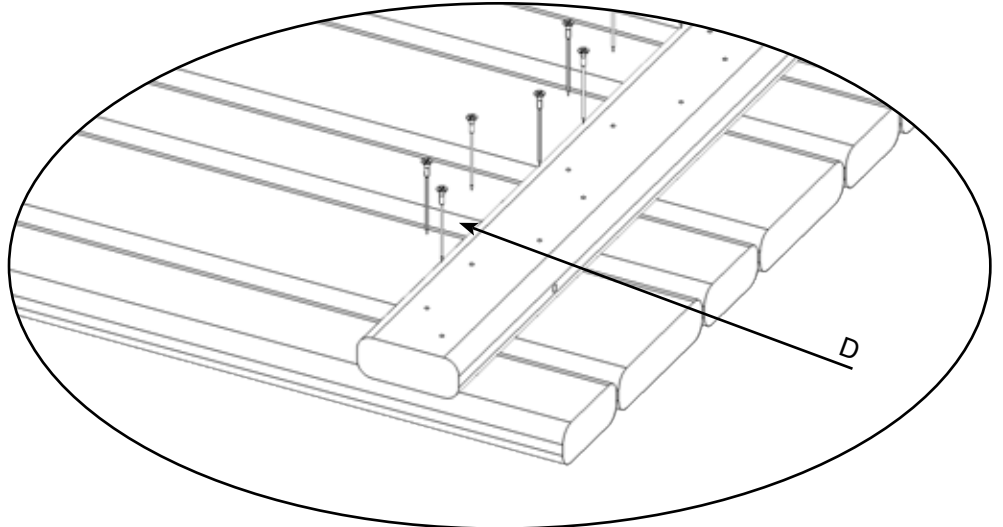
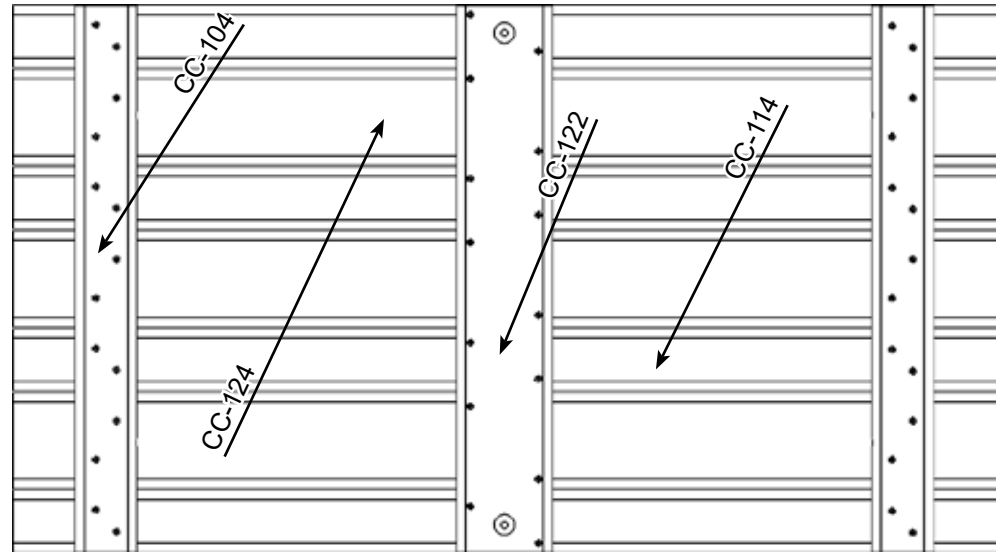
404-41- 86" Right Rockwall Leg-	(1)	404-42- 86" Left Rockwall Leg-	(1)
404-9- 50 1/8" Rockwall Board Blank-	(3)	CC-085- 50 1/8" 2- Rock Rockwall Board-	(4)
CC-084- 50 1/8" 1- Rock Rockwall Board-	(5)	CC-087- 50 1/8" Rockwall Board w/ Rope Hole-	(1)
404-3- 50 1/8" Blank Rockwall Board-	(1)	CC-104- 30" Deck Runner-	(4)
CC-122- 30" Center Deck Support-	(2)	CC-124- 54" Deck Board-	(6)
CC-114- 54" Deck Board-	(8)		



Deck Assembly (Make 2 Assemblies)

HARDWARE NEEDED

D- 2 1/2" Coated Deck Screw-	(140)
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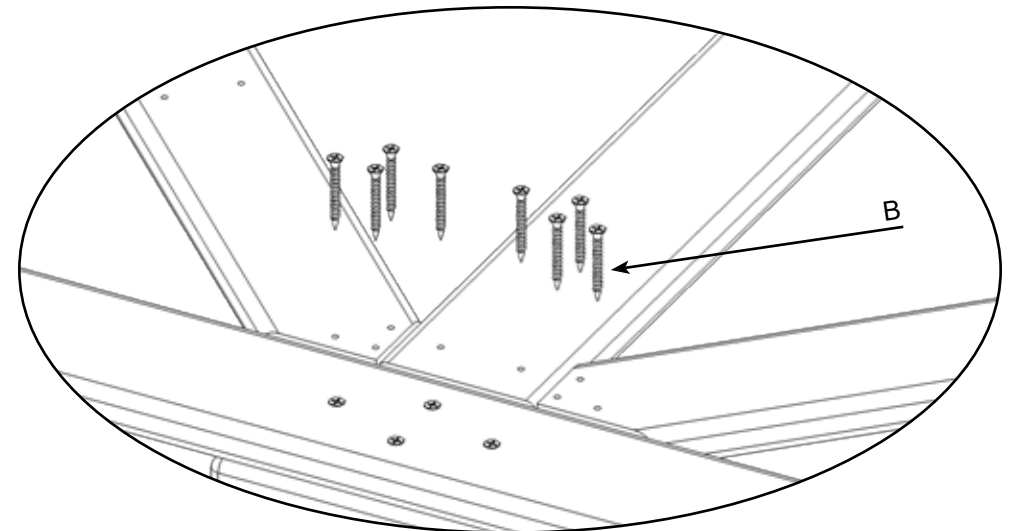
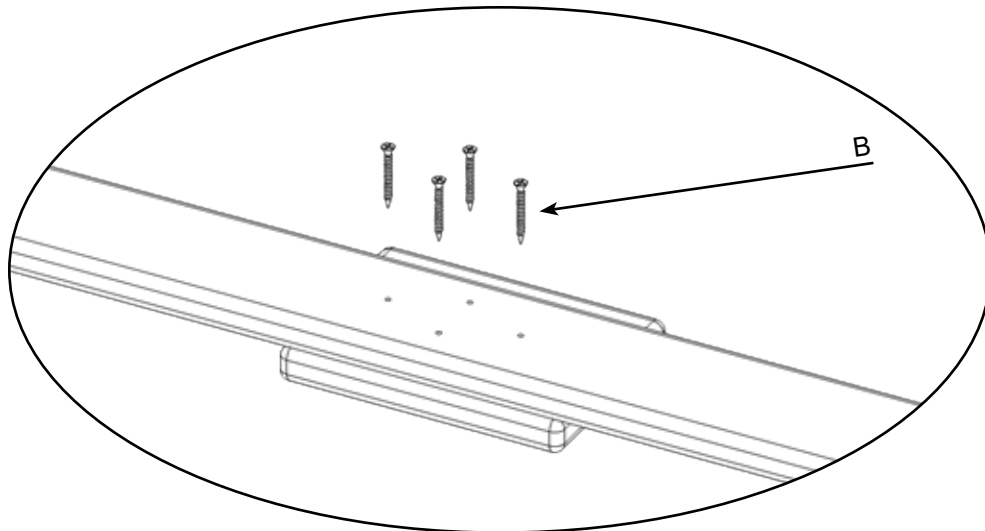
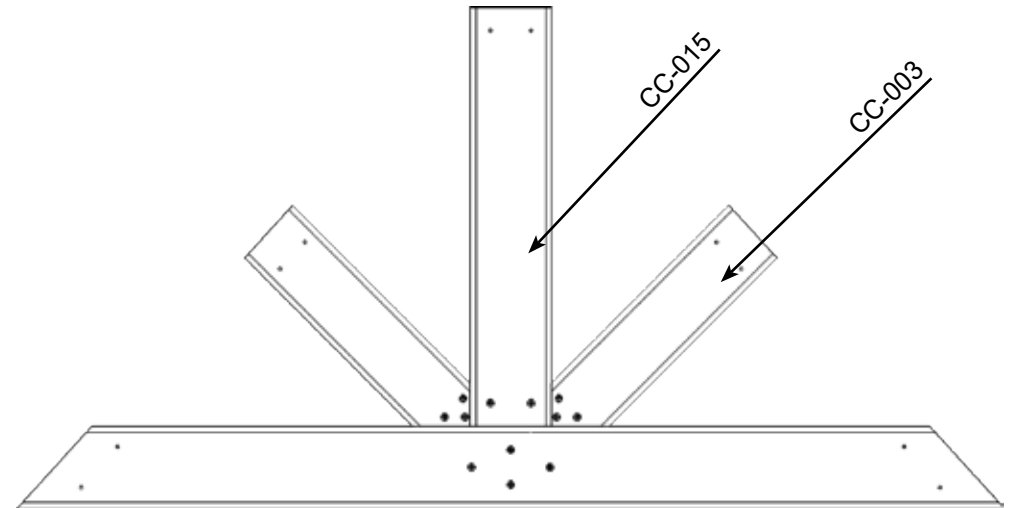
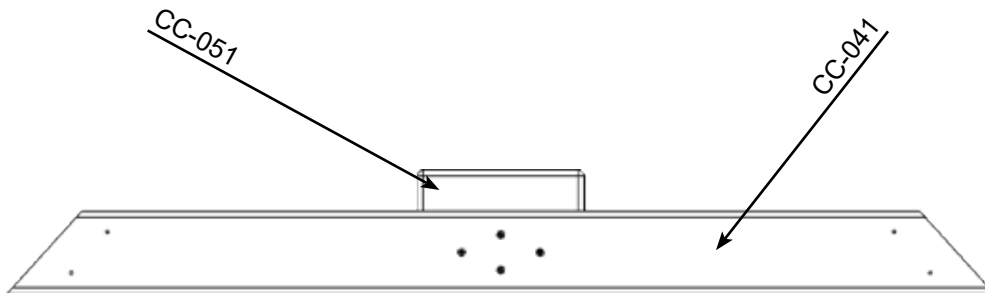
Wood Roof Fan

PARTS NEEDED

CC-051- 7 3/16" Center Fan Cap- (2)
CC-041- 42 1/2" Bottom Fan Board- (2)
CC-015- 18" Center Fan Board- (2)
CC-003- 12 1/8" Long Fan Board- (4)

HARDWARE NEEDED

B- 1 1/2" Coated Deck Screw- (24)



A-Frame Block Assembly

PARTS NEEDED

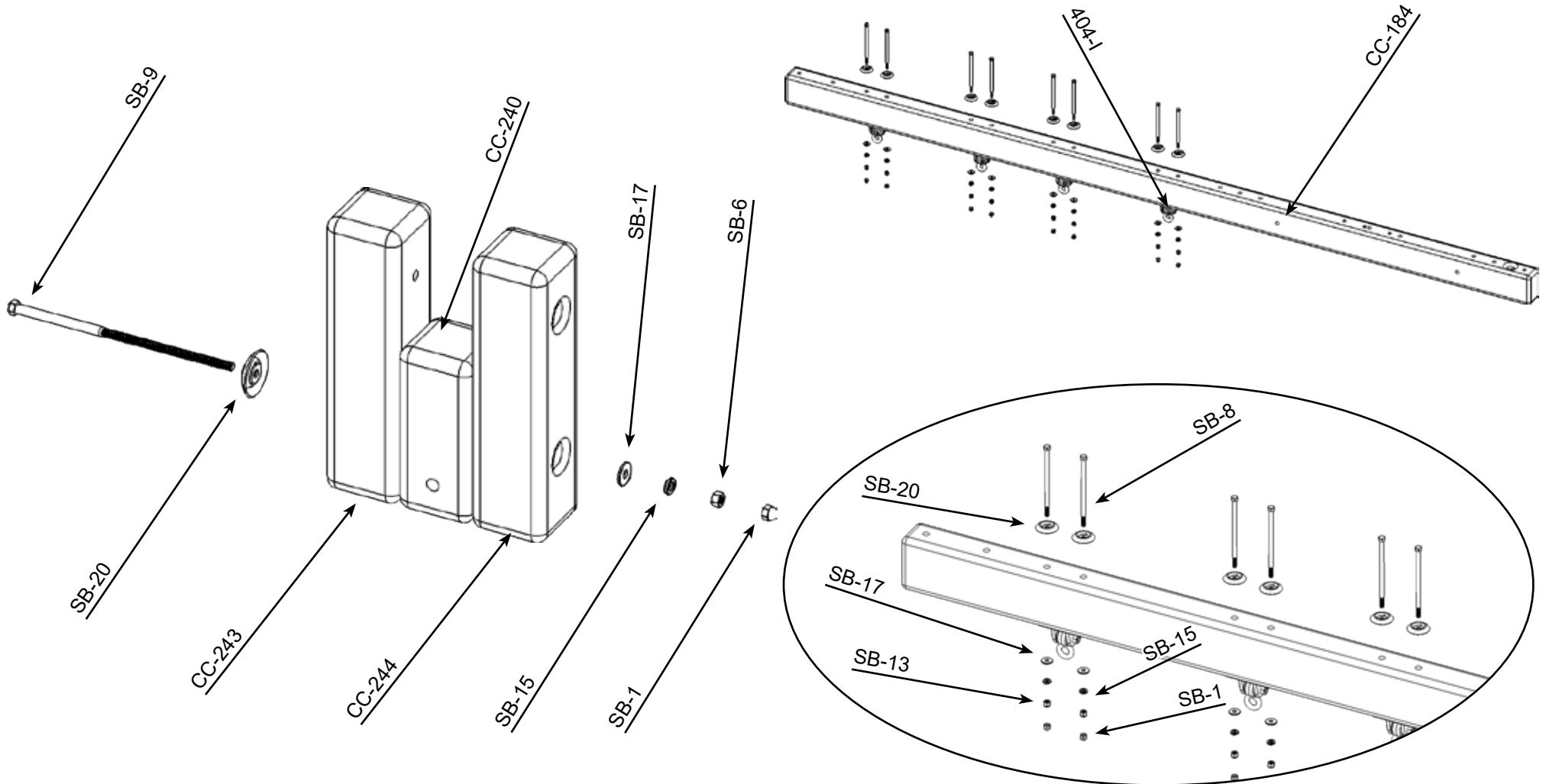
CC-240- 7 7/8" Center A-Frame Block-
 CC-244- 13 3/8" A-Frame Block Sunk-
 CC-243- 13 3/8" A-Frame Block-
 CC-184- 132 5/8" Universal Swingbeam-
 404-I- Ductile Iron Swing Hanger-

(1) SB-9- 3/8" x 10" Hex Bolt-
 (1) SB-17- 3/8" USS Flatwasher-
 (1) SB-6- 3/8" Hex Nut-
 (1) SB-8- 3/8" x 7" Hex Bolt-
 (4)

Beam Assembly

HARDWARE NEEDED

(1) SB-20- 3/8" Bolt Cup- (9)
 (9) SB-15- 3/8" Split Lockwasher- (9)
 (1) SB-1- 3/8" Acorn Nut Plated- (9)
 (8) SB-13- 3/8" Nylon Insert Locknut- (8)



A-Frame Assembly

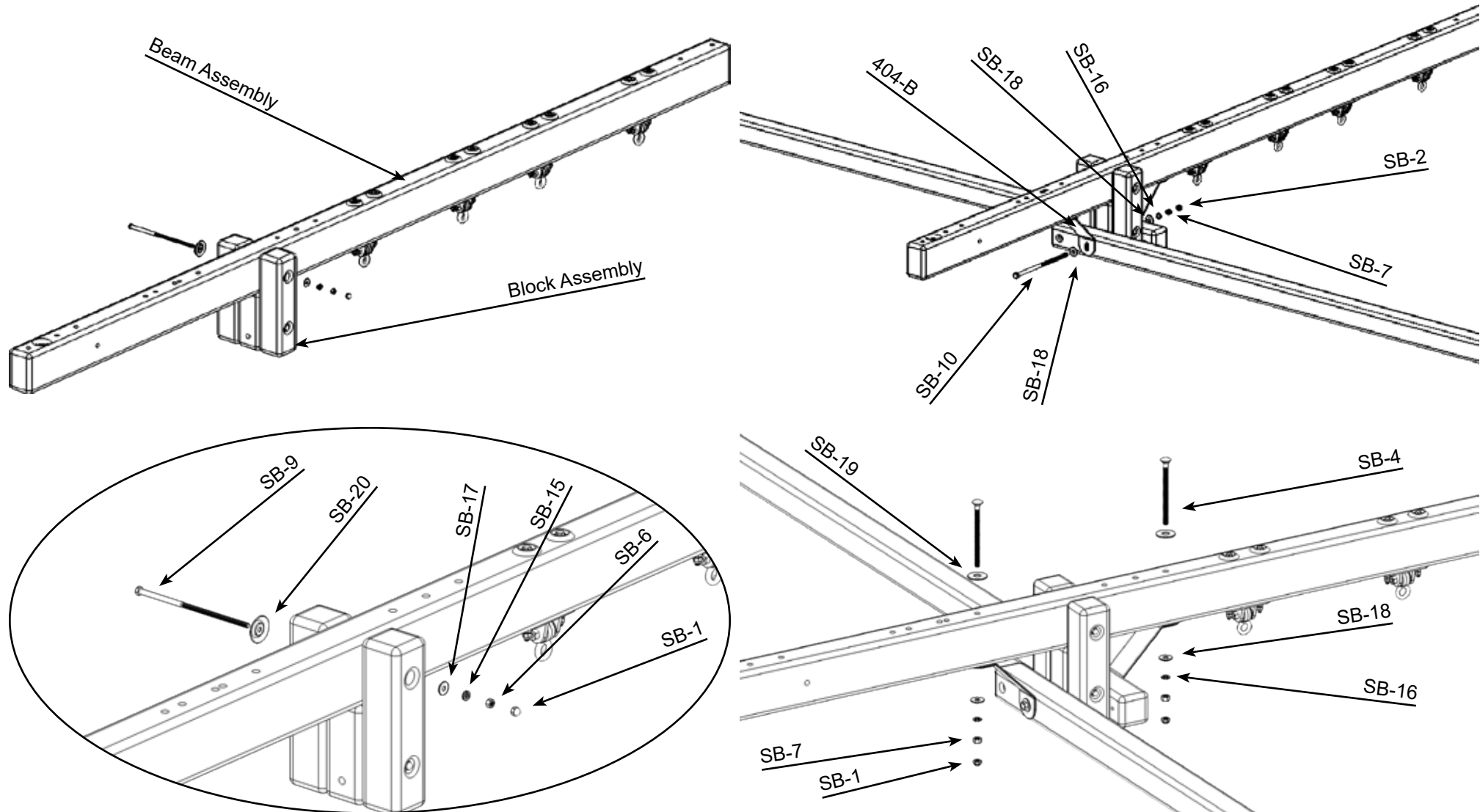
PARTS NEEDED

Beam Assembly- (1)
 Block Assembly- (1)
 404-B- 45 Degree Swingbeam Bracket- (2)

SB-9- 3/8" x 9" Hex Bolt-
 SB-17- 3/8" USS Flatwasher-
 SB-6- 3/8" Hex Nut-
 SB-10- 1/2" x 11 1/2" Hex Bolt-
 SB-19- 3/4" USS Flatwasher-
 SB-7- 1/2" Hex Nut-

HARDWARE NEEDED

(1)	SB-20- 3/8" Bolt Cup-	(1)
(1)	SB-15- 3/8" Split Lockwasher-	(1)
(1)	SB-1- 3/8" Acorn Nut Plated-	(1)
(1)	SB-18- 1/2" USS Flatwasher-	(4)
(2)	SB-16- 1/2" Split Lockwasher-	(3)
(3)	SB-1- 1/2" Acorn Nut Plated-	(3)



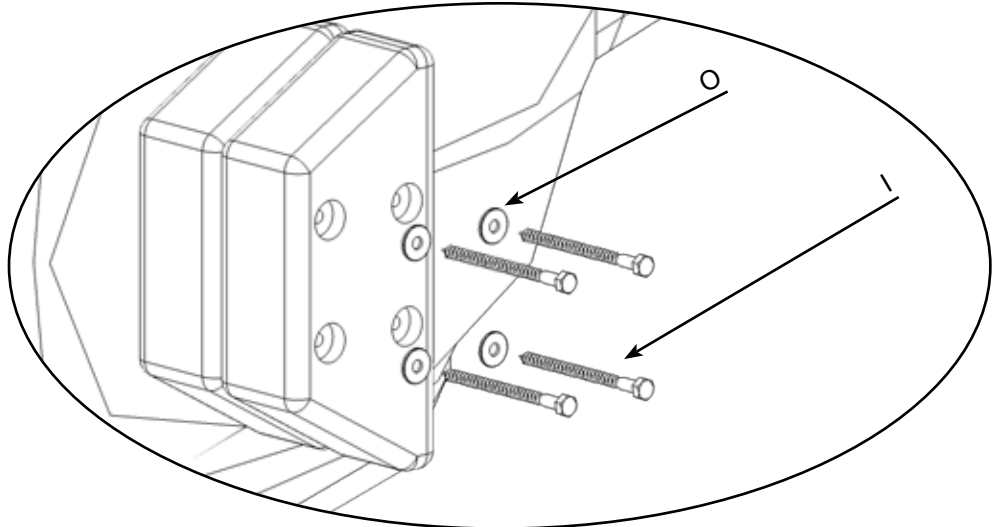
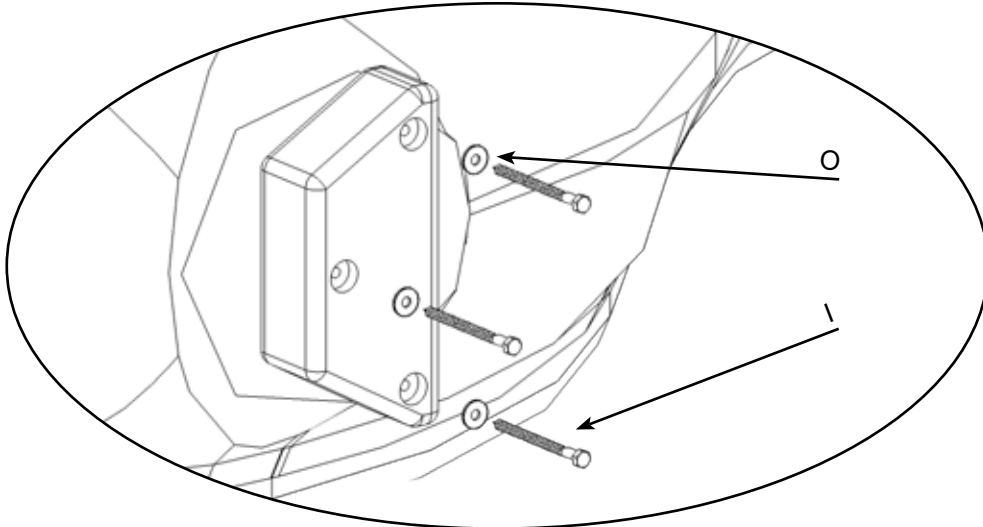
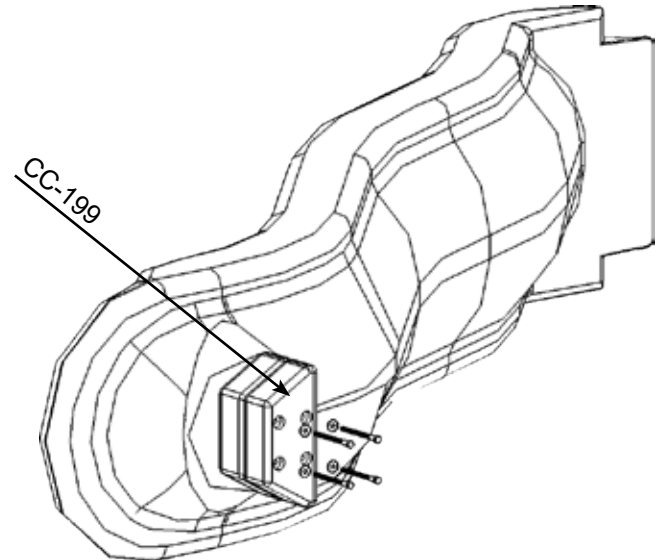
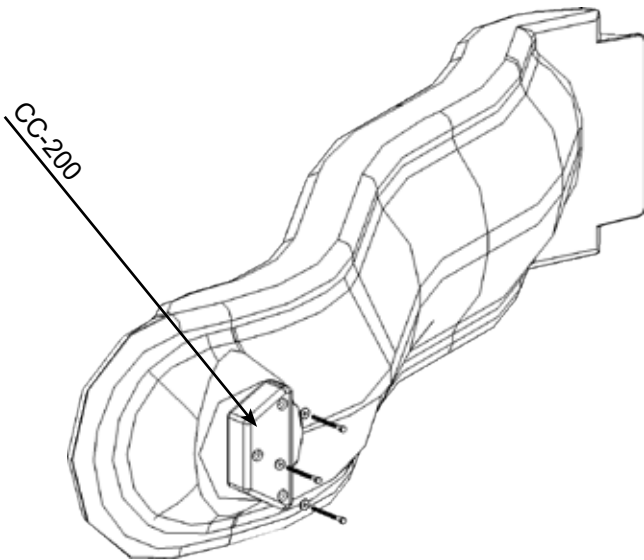
Slide Install

PARTS NEEDED

CC-200- 12" Slide Block #2- (1)
CC-199- 12" Slide Block #1- (1)

HARDWARE NEEDED

O- 3/8" USS Flatwasher- (7)
I- 3/8" x 5" Hex Lag Screw- (7)



Swingbeam Side Wall Assembly

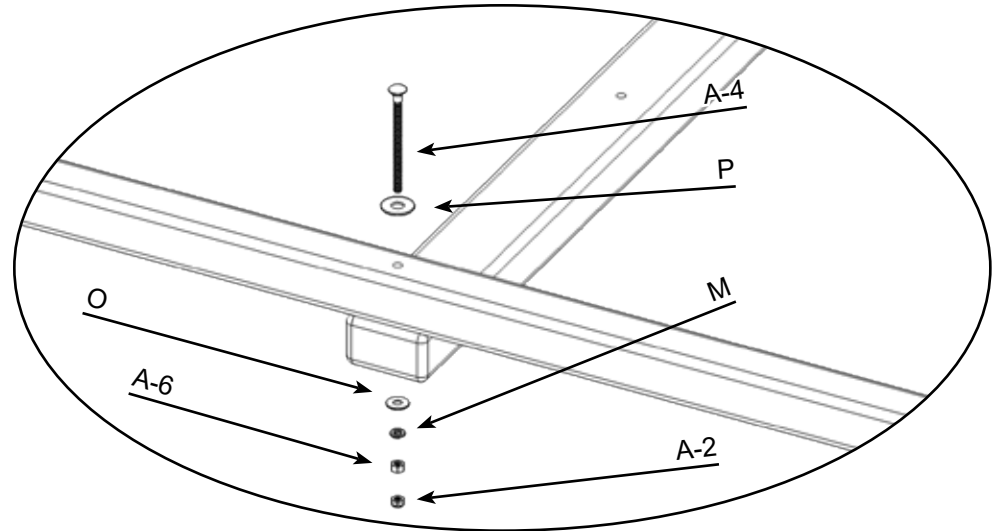
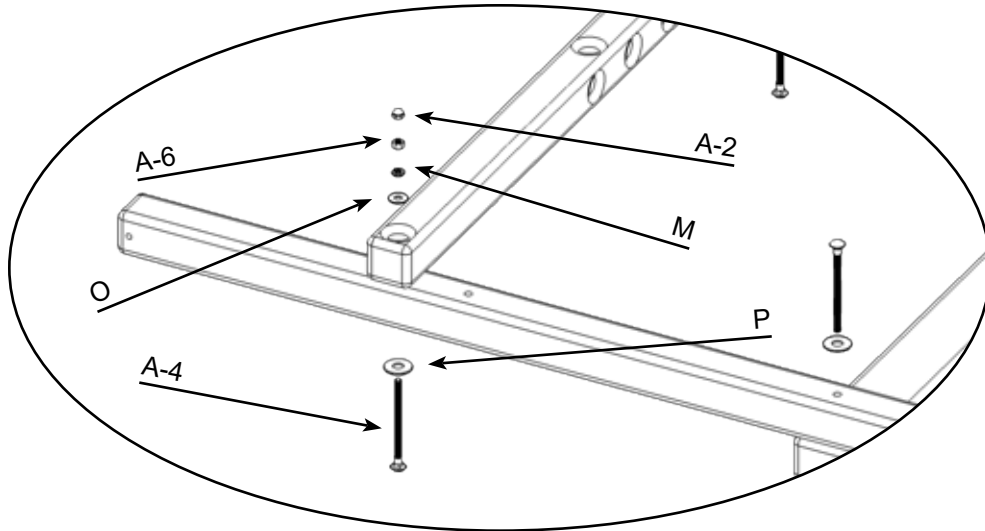
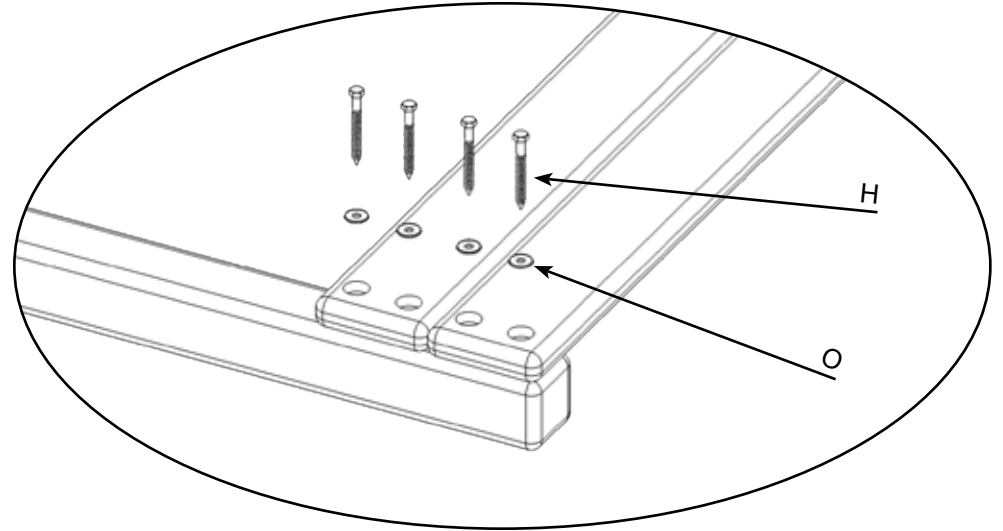
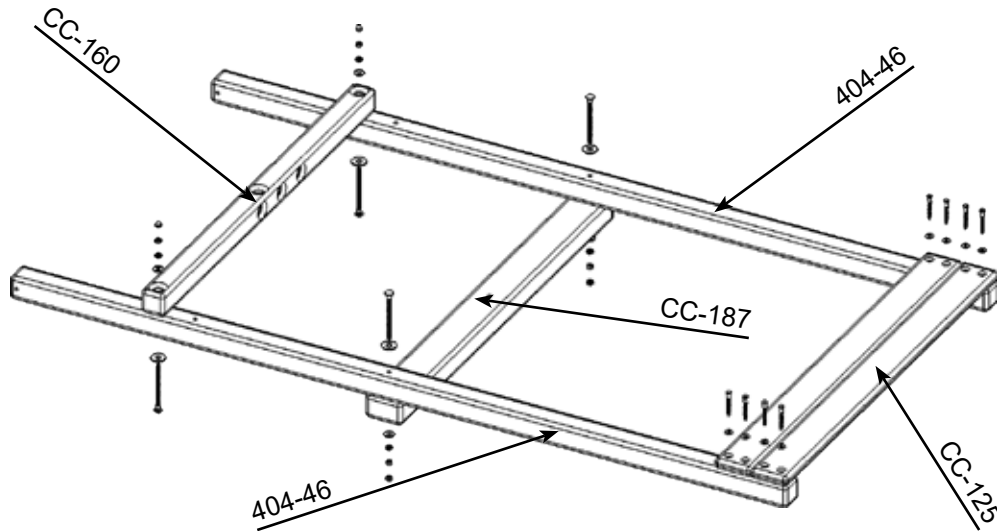
PARTS NEEDED

404-46- 119 11/16" Corner Post-	(2)
CC-125- 60 1/4" 4- Hole Facia-	(2)
CC-160- 60 1/4" SB Top Joist-	(1)
CC-187- 60 1/4" Mainbeam-	(1)

A-4- 1/2" x 7" Carriage Bolt-	(4)
O- 1/2" USS Flatwasher-	(4)
A-6- 1/2" Hex Nut-	(4)
H- 3/8" x 3 1/2" Hex Lag Screw-	(8)

HARDWARE NEEDED

P- 3/4" USS Flatwasher-	(4)
M- 1/2" Split Lockwasher-	(4)
A-2- 1/2" Acorn Nut Plated-	(4)
O- 3/8" USS Flatwasher-	(8)



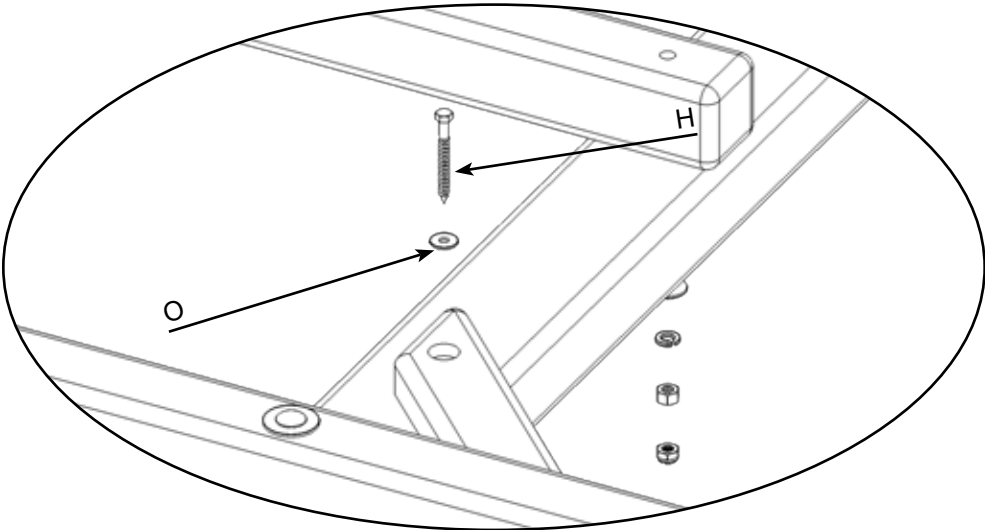
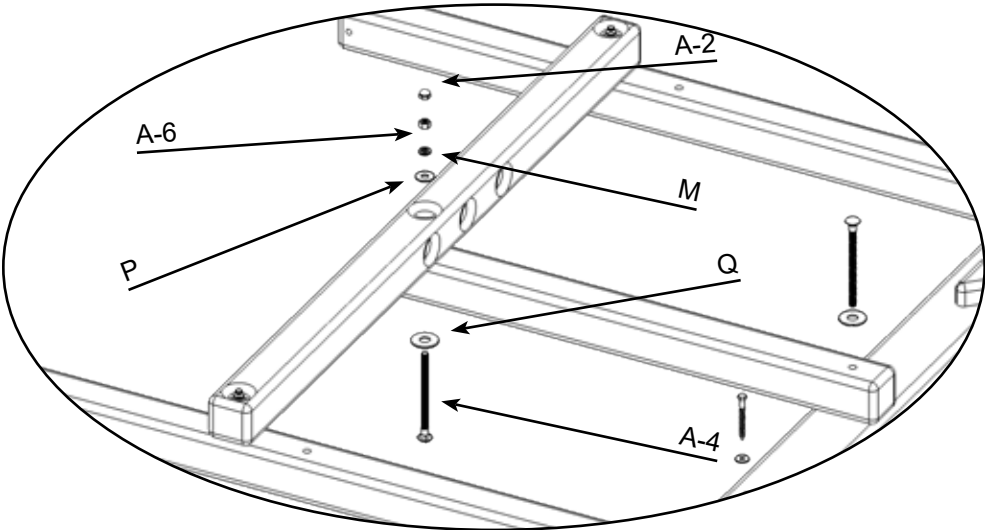
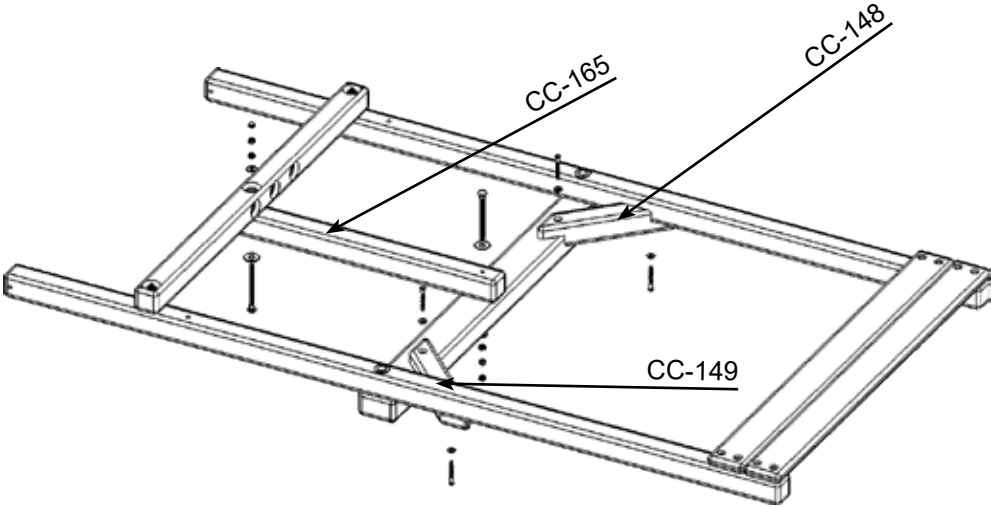
Swingbeam Side Wall

PARTS NEEDED

CC-165- 38 7/8" Center Upright-	(1)
CC-148- 19" Right Gusset-	(1)
CC-149- 19" Left Gusset-	(1)

HARDWARE NEEDED

A-4- 1/2 x 7" Carriage Bolt-	(2)	Q- 3/4" USS Flatwasher-	(2)
P- 1/2" USS Flatwasher-	(2)	M- 1/2" Split Lockwasher-	(2)
A-6- 1/2" Hex Nut-	(2)	A-2- 1/2" Acorn Nut Plated-	(2)
H- 3/8" x 3 1/2" Hex Lag Screw-	(4)	O- 3/8" USS Flatwasher-	(2)



Trapeze Side Wall

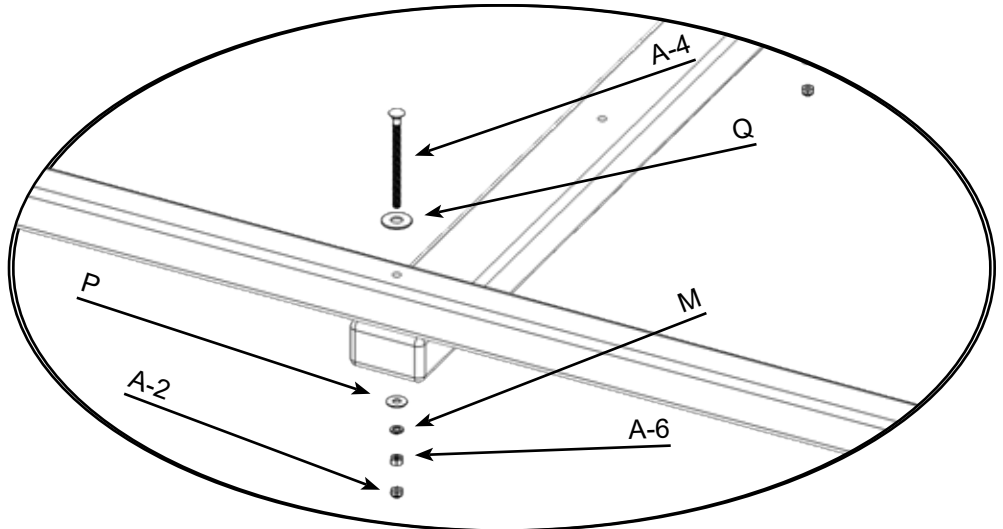
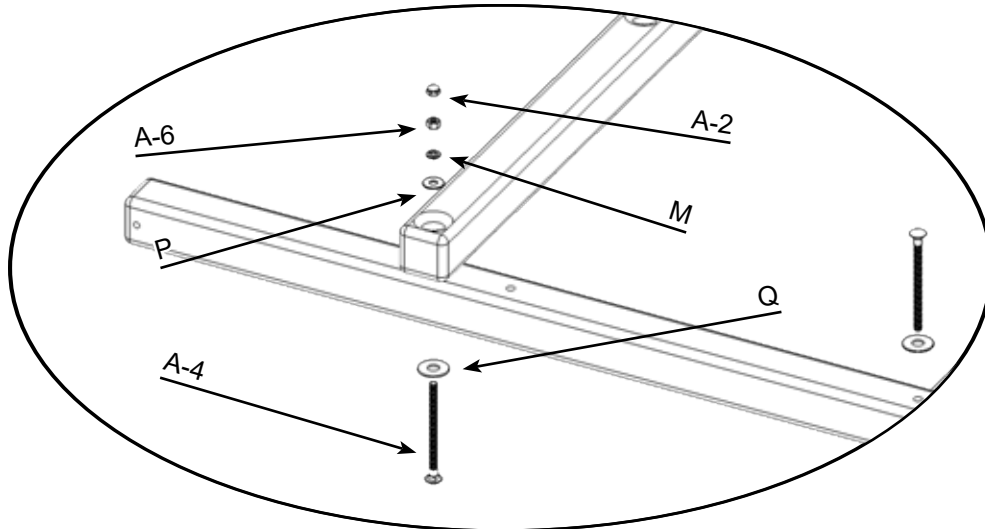
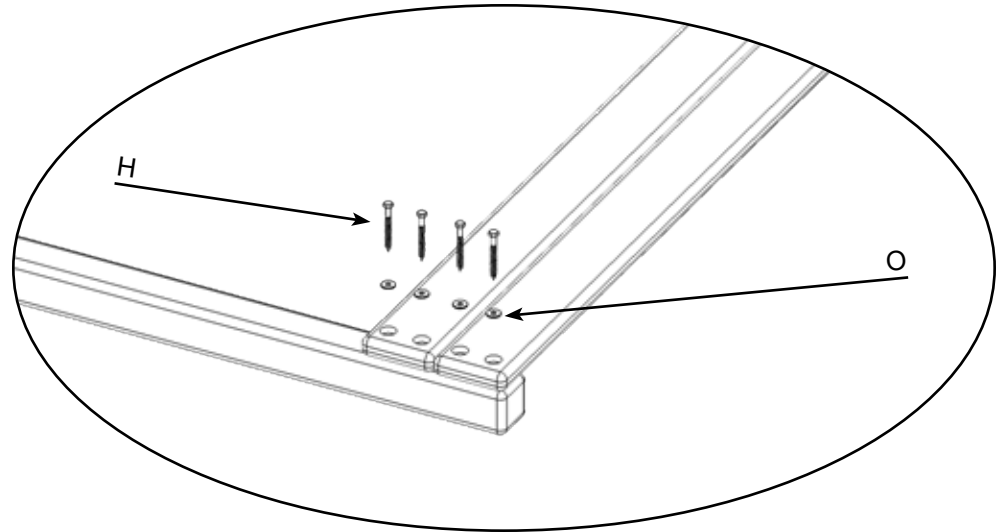
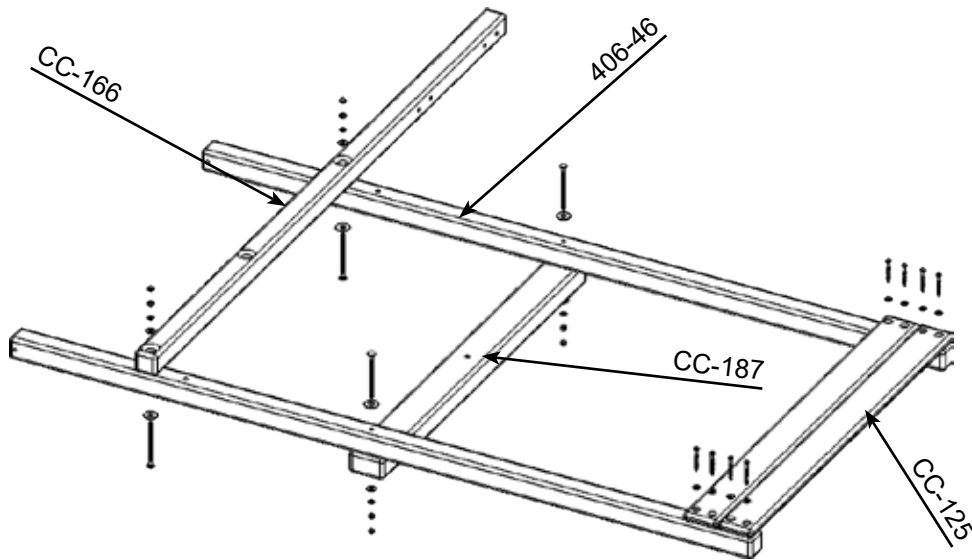
PARTS NEEDED

CC-166- 104" Trapeze Arm-	(1)
404-46- 119 1/2" Corner Post-	(2)
CC-187- 60 1/4" Mainbeam-	(1)
CC-125- 60 1/4" 4- Hole Facia-	(2)

A-4- 1/2" x 7" Carriage Bolt-	(4)
P- 1/2" USS Flatwasher-	(4)
A-6- 1/2" Hex Nut-	(4)
H- 3/8" x 3 1/2" Hex Lag Screw-	(8)

HARDWARE NEEDED

Q- 3/4" USS Flatwasher-	(4)
M- 1/2" Split Lockwasher-	(4)
A-2- 1/2" Acorn Nut Plated-	(4)
O- 3/8" USS Flatwasher-	(8)



Trapeze Side Wall

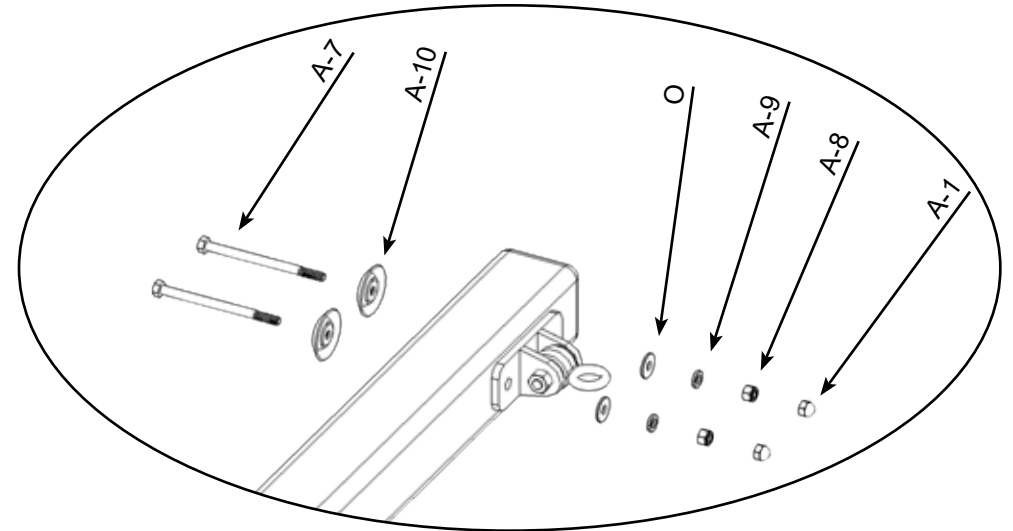
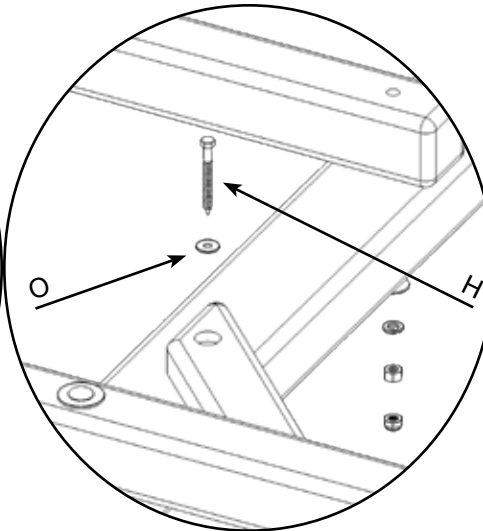
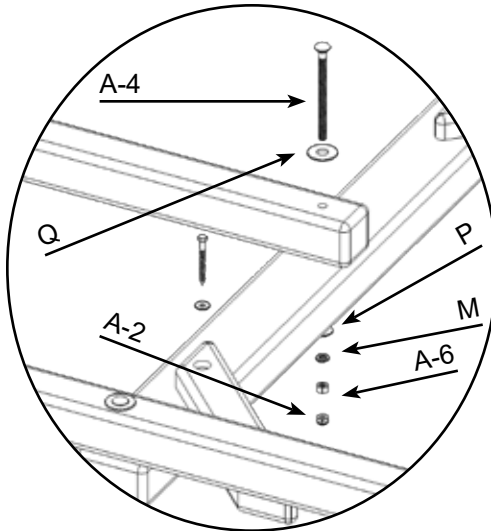
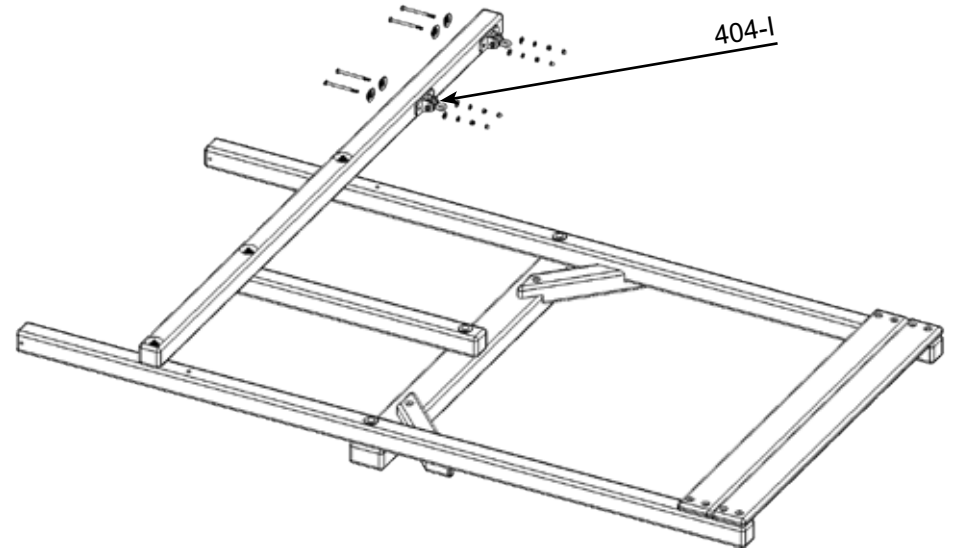
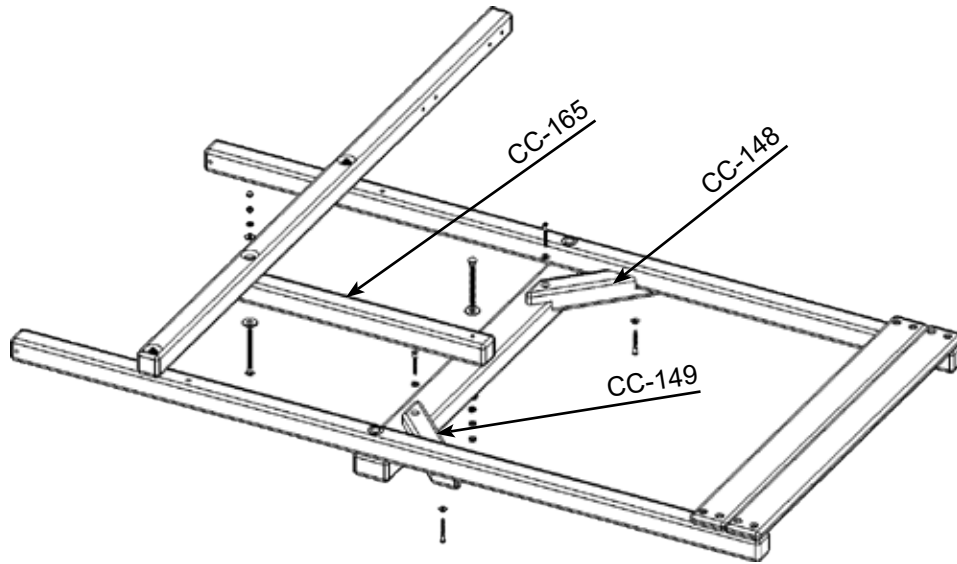
PARTS NEEDED

CC-165- 38 7/8" Center Upright-	(1)
CC-148- 19" Right Gusset-	(1)
CC-149- 19" Left Gusset-	(1)
404-I- Ductile Iron Swing Hanger-	(2)

A-4- 1/2" x 7" Carriage Bolt-	(2)
P- 1/2" USS Flatwasher-	(2)
A-6- 1/2" Hex Nut-	(2)
O- 3/8" USS Flatwasher-	(8)
A-7- 3/8" x 5" Hex Bolt-	(4)
A-9- 3/8" Split Lockwasher-	(4)
A-1- 3/8" Acorn Nut Plated-	(4)

HARDWARE NEEDED

Q- 3/4" USS Flatwasher-	(2)
M- 1/2" Split Lockwasher-	(2)
A-2- 1/2" Acorn Nut Plated-	(2)
H- 3/8" x 3 1/2" Hex Lag Screw-	(2)
A-10- 3/8" Bolt Cup-	(4)
A-8- 3/8" Nylon Insert Locknut-	(4)



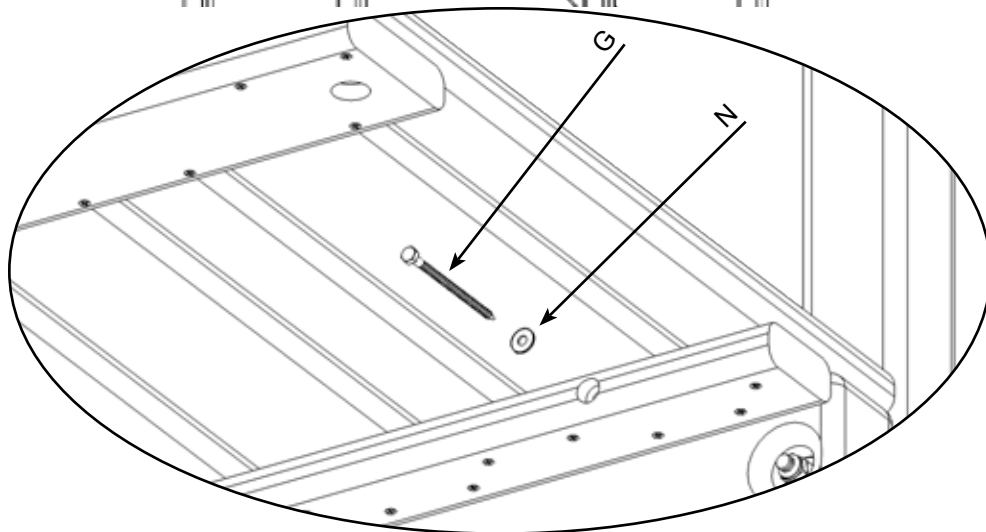
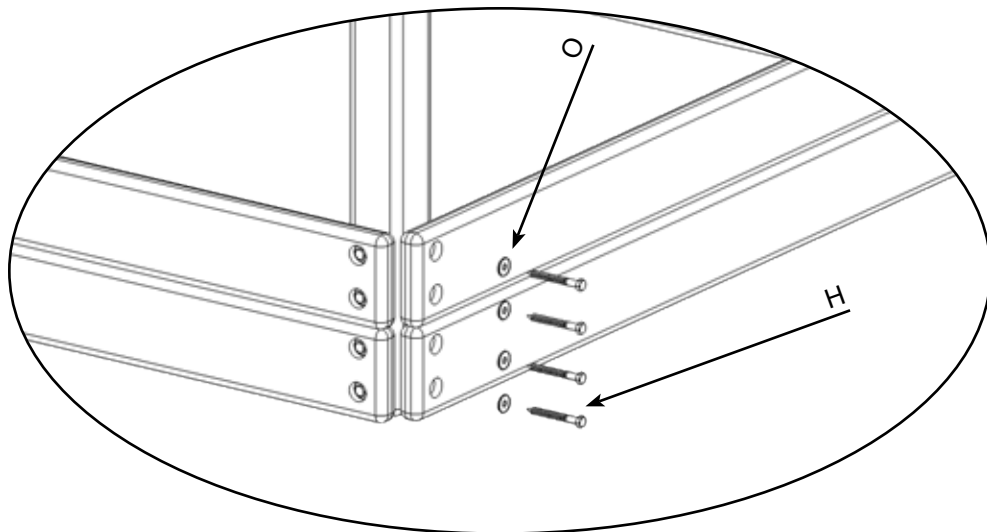
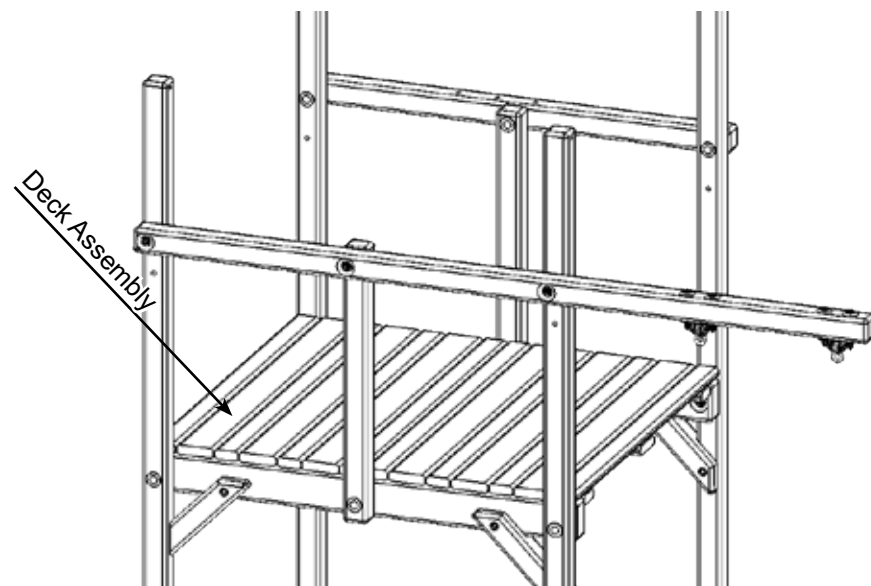
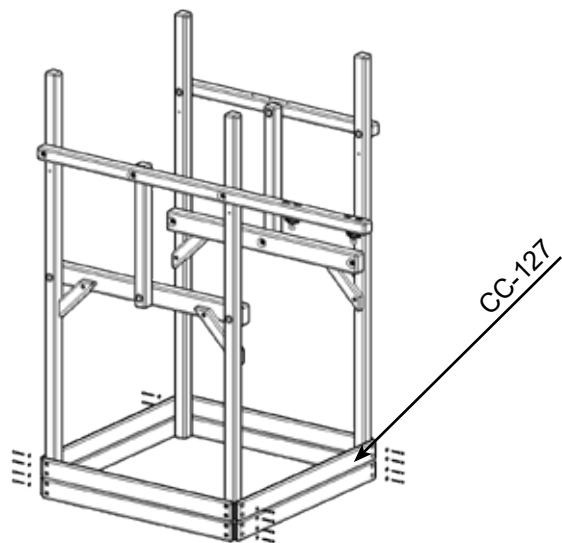
Bengal Fort Main Assembly

PARTS NEEDED

CC-127- 60 3/4" 4- Hole Facia- (4)
Deck Assembly- (2)

HARDWARE NEEDED

O- 3/8" USS Flatwasher- (8)
H- 3/8" x 3 1/2" Hex Lag Screw- (8)
G- 1/4" x 4 1/2" Hex Lag Screw- (8)
N- 1/4" USS Flatwasher- (8)



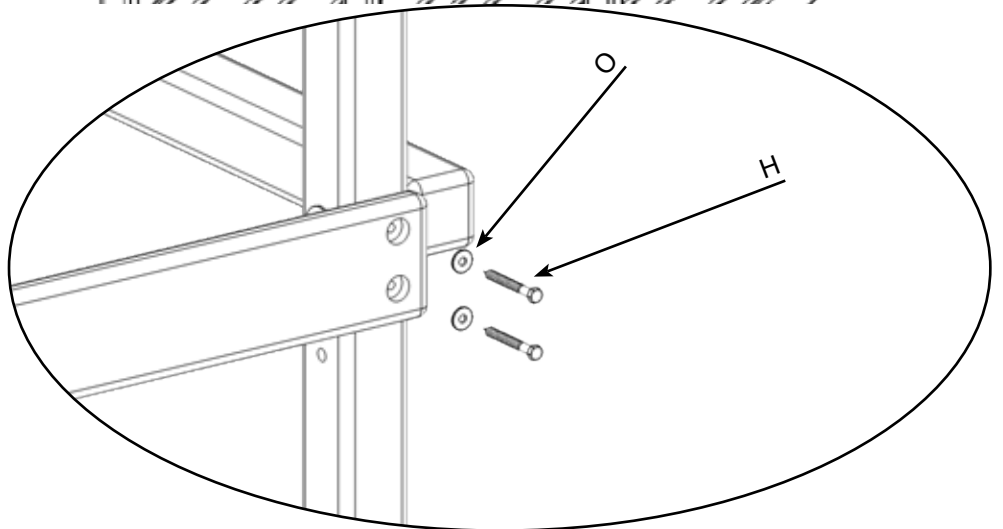
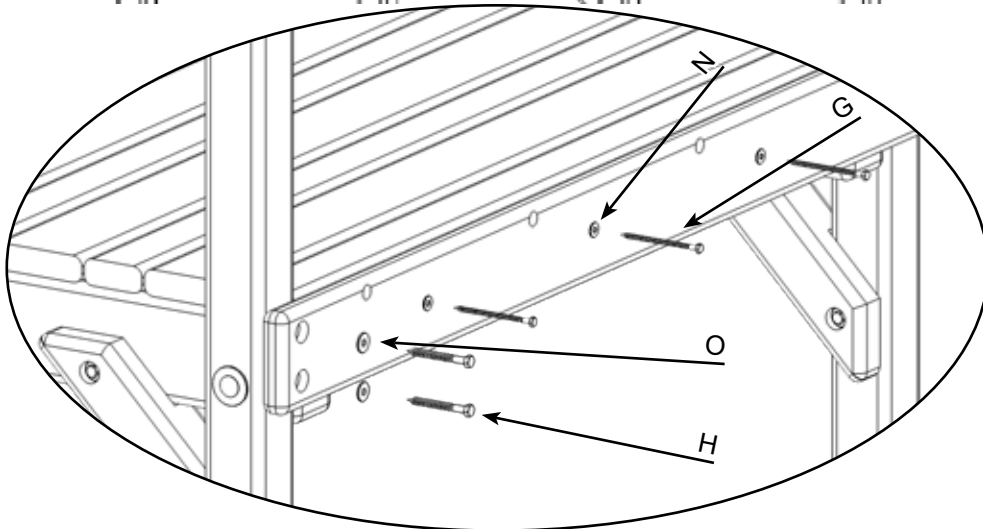
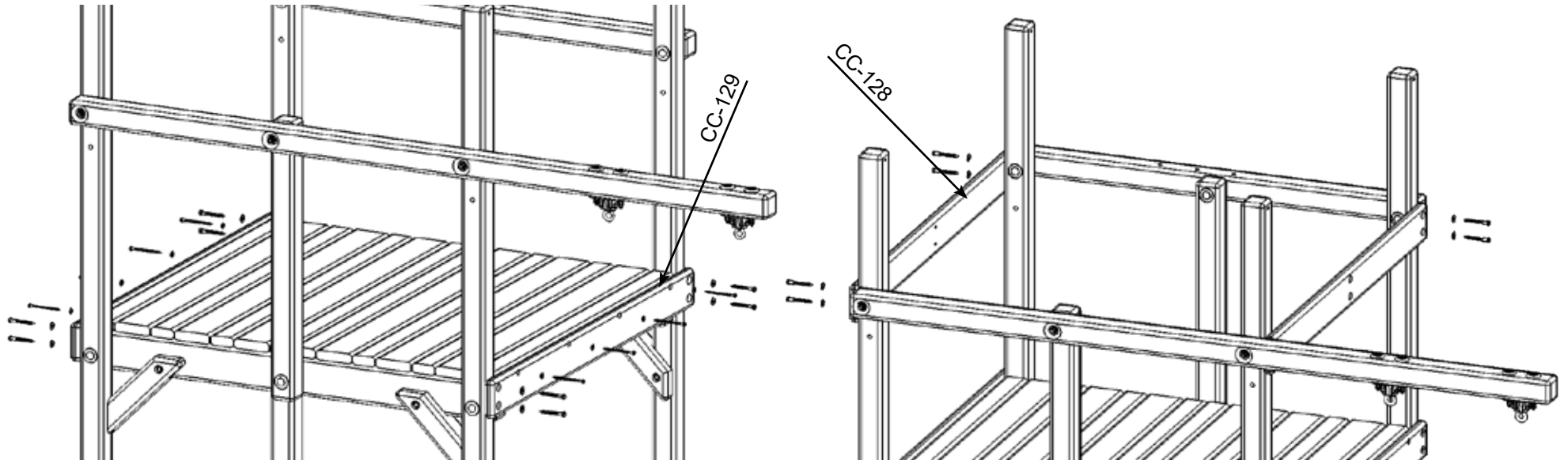
Bengal Fort Main Assembly

PARTS NEEDED

CC-129- 60 3/4" 8- Hole Facia- (2)
CC-128- 60 3/4" 6-Hole Facia- (2)

HARDWARE NEEDED

G- 1/4" x 4 1/2" Hex Lag Screw- (8)
N- 1/4" USS Flatwasher- (8)
O- 3/8" USS Flatwasher- (16)
H- 3/8" x 3 1/2" Hex Lag Screw- (16)



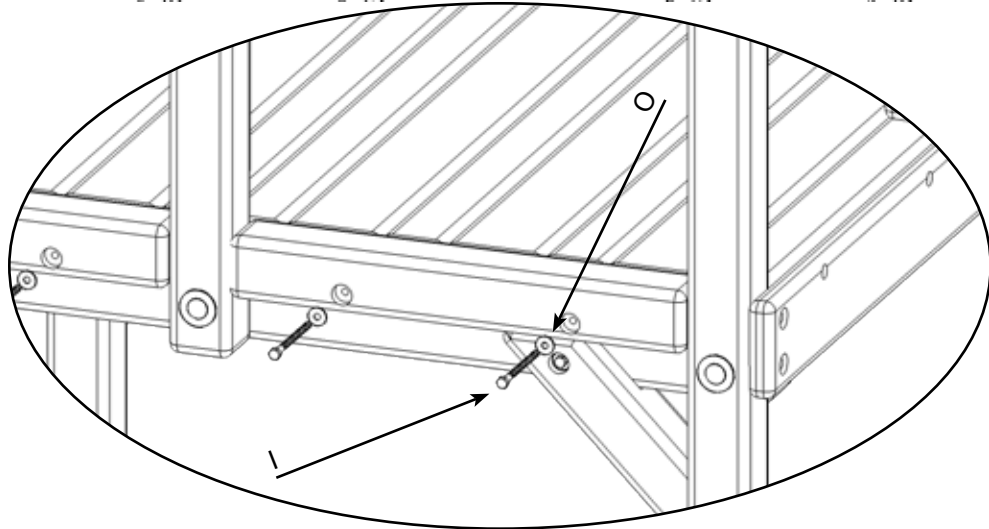
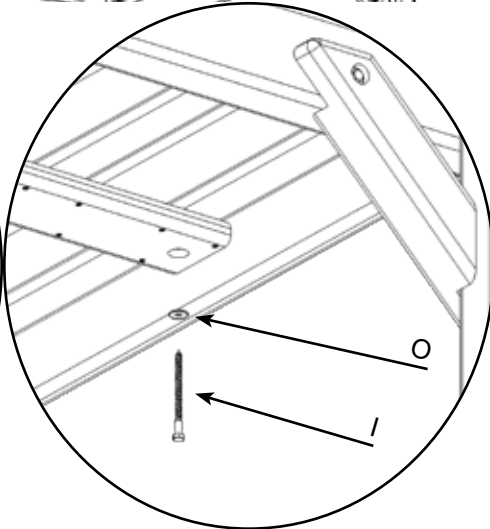
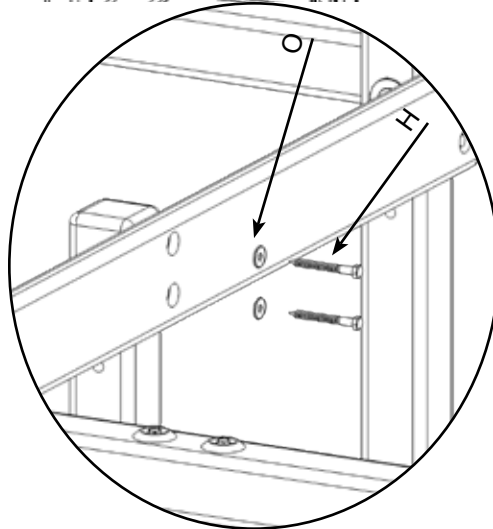
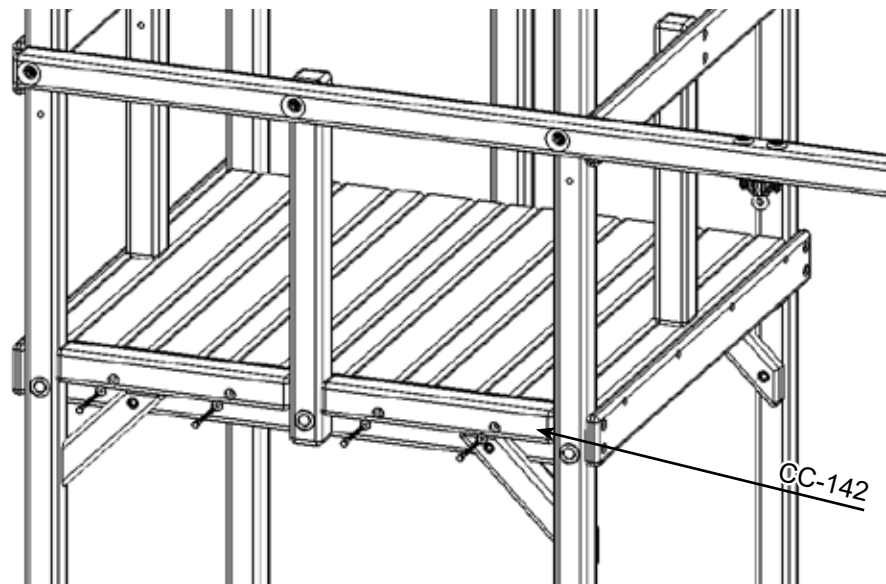
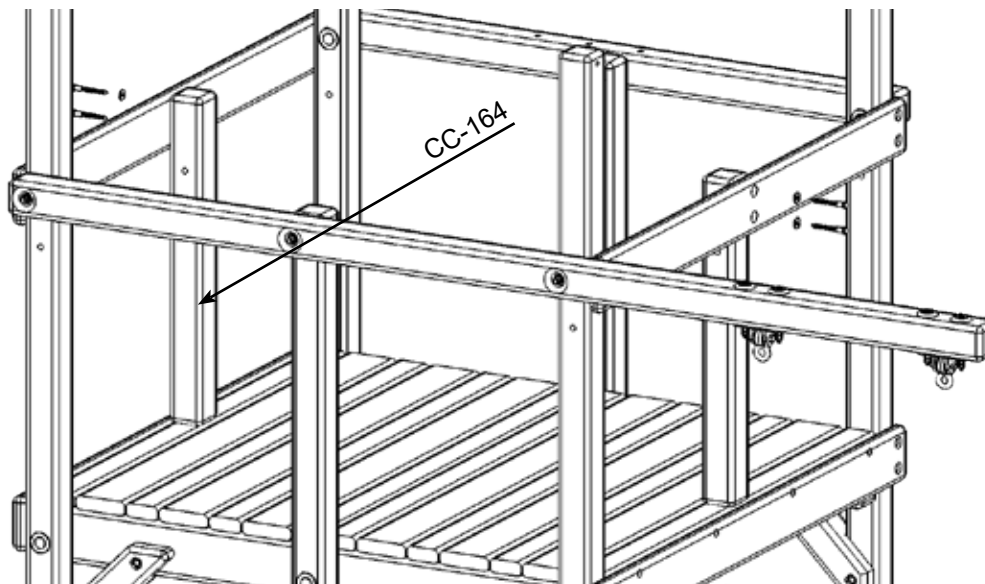
Bengal Fort Main Assembly

PARTS NEEDED

CC-164- 32 1/8" Center Post- (2)
CC-142- 25" Entrapment Block- (2)

HARDWARE NEEDED

O- 3/8" USS Flatwasher- (10)
H- 3/8" x 3 1/2" Hex Lag Screw- (4)
I- 3/8" x 5" Hex Lag Screw- (6)



Bengal Fort Main Assembly

PARTS NEEDED

Rockwall Assembly-
Ladder Assembly-

(1)
(1)

HARDWARE NEEDED

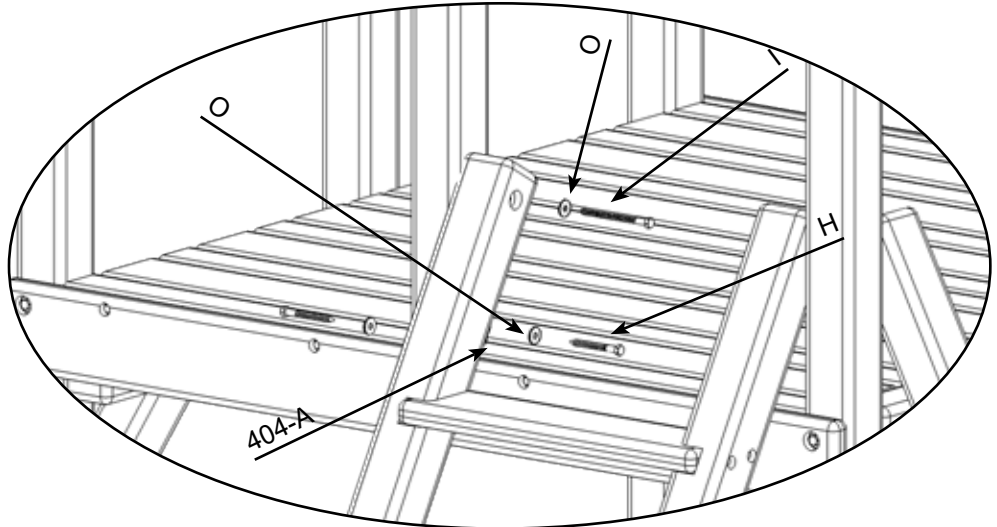
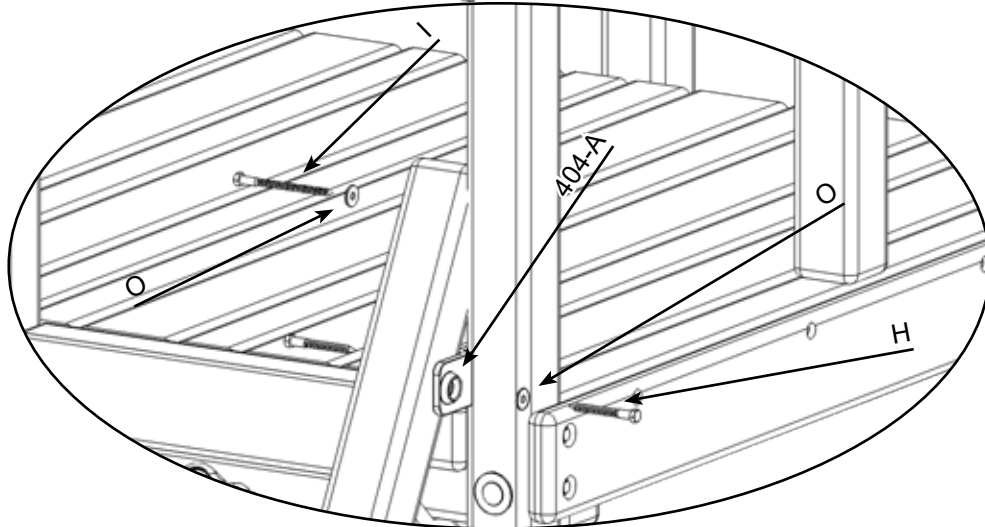
O- 3/8" USS Flatwasher-

(8)

Rockwall Assembly



Ladder Assembly



Bengal Fort Main Assembly

PARTS NEEDED

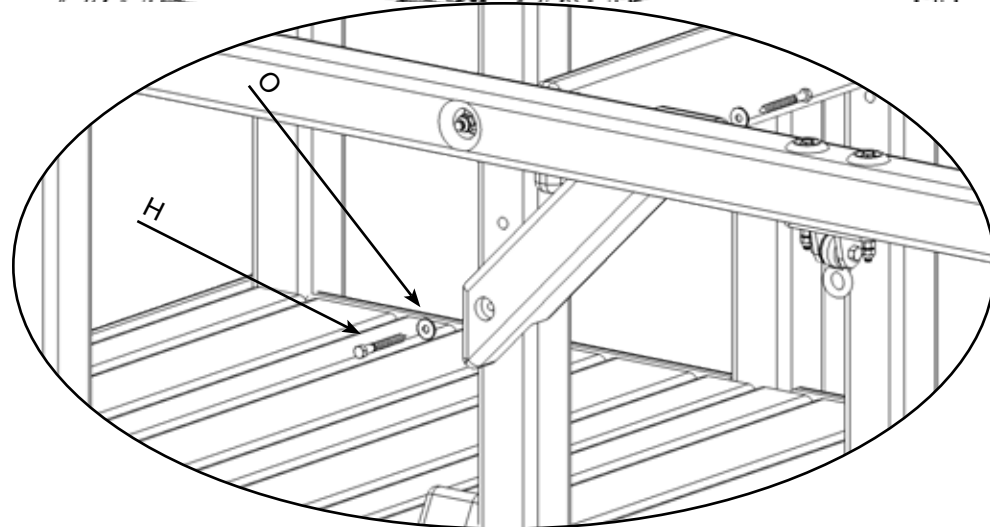
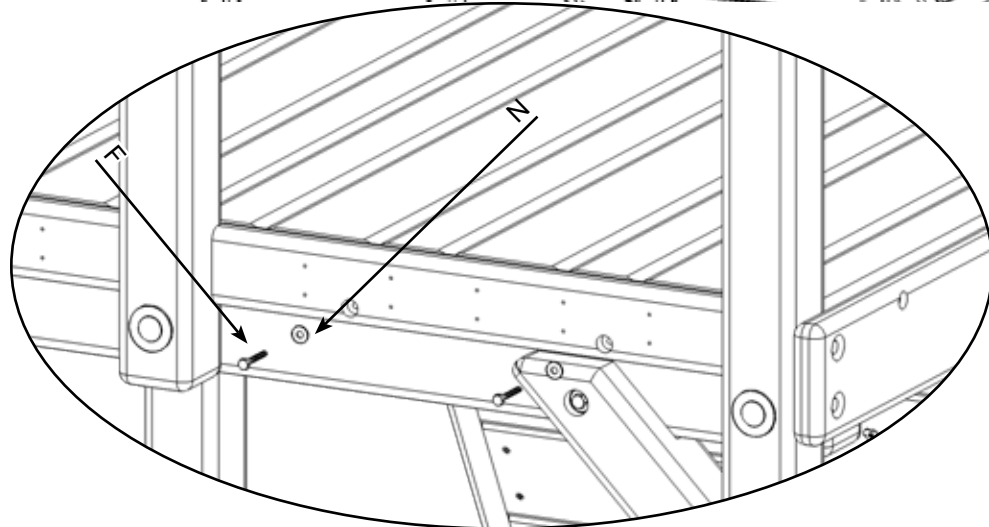
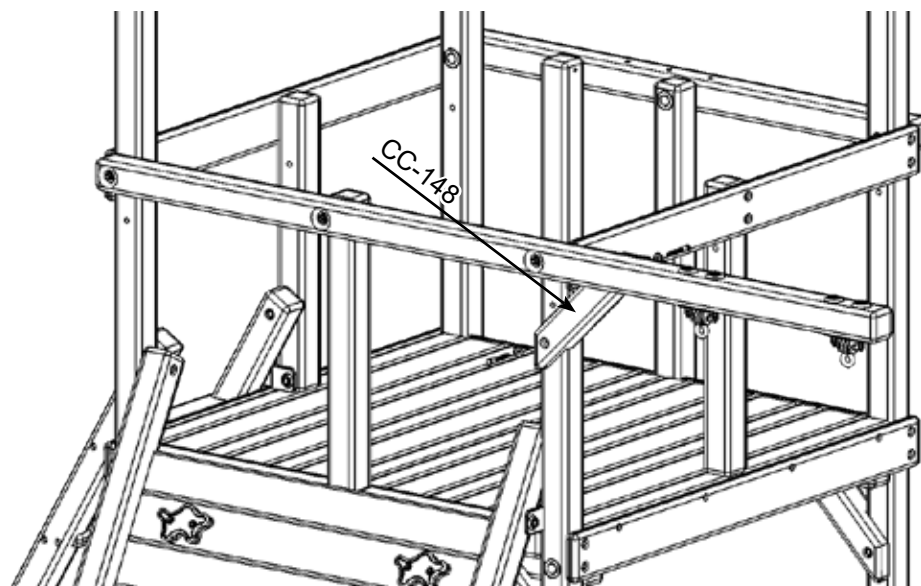
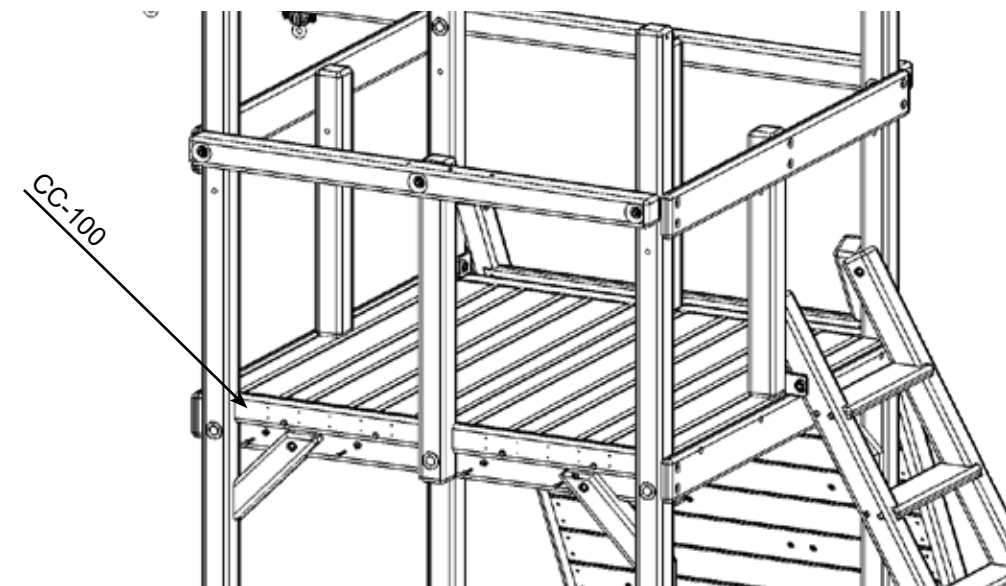
CC-100- 25" Rail Bottom-
CC-148- 19" Right Gusset-

(2)
(1)

HARDWARE NEEDED

N- 1/4" USS Flatwasher-
F- 1/4" x 2" Hex Lag Screw-
O- 3/8" USS Flatwasher-
H- 3/8" x 3 1/2" Hex Lag Screw-

(4)
(4)
(4)
(4)



Bengal Fort Main Assembly

PARTS NEEDED

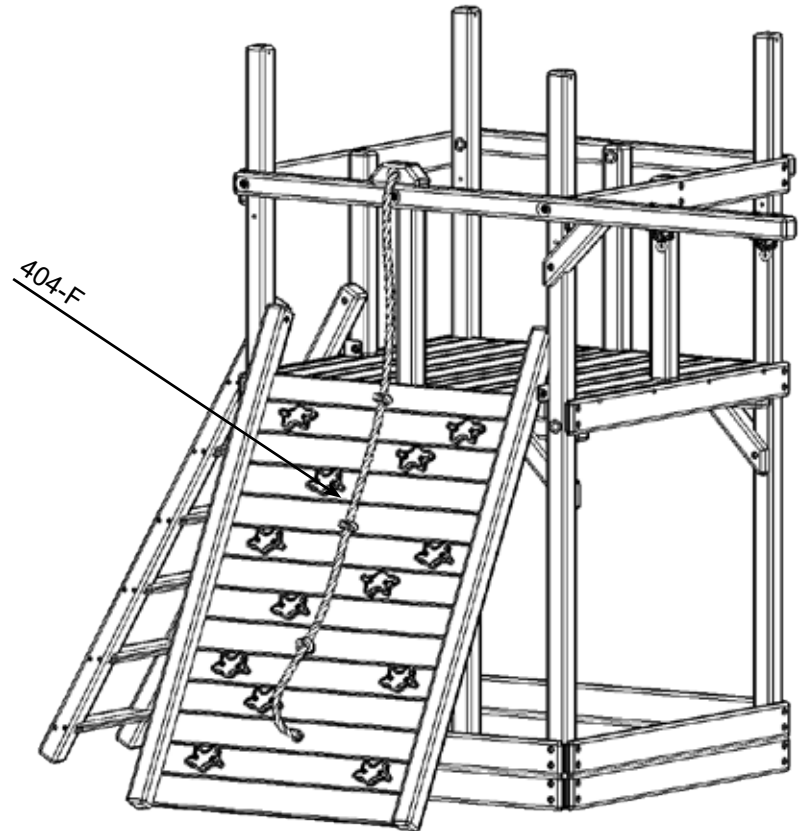
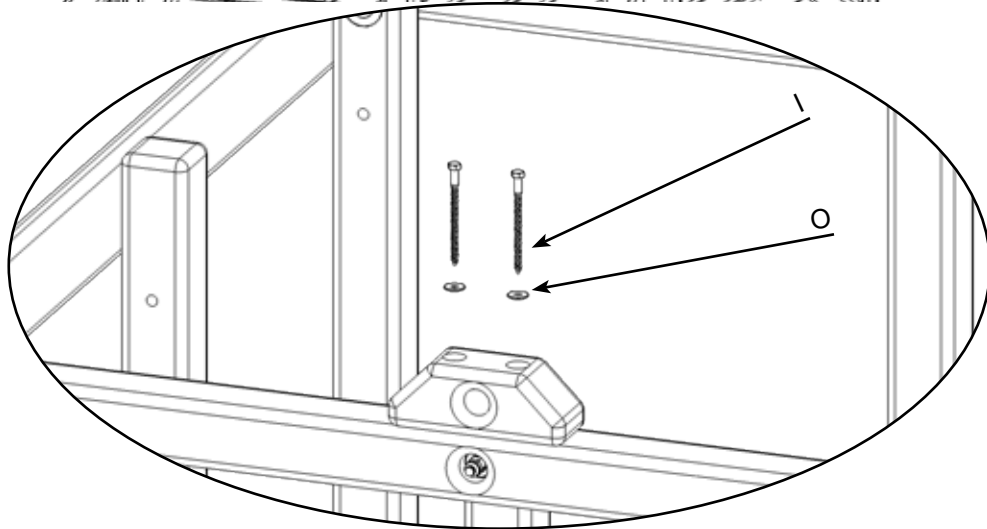
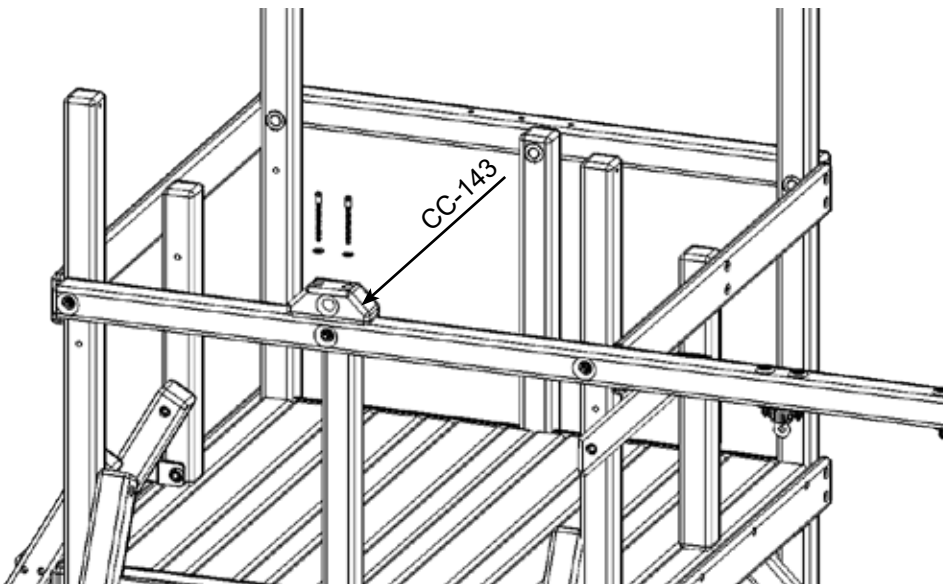
CC-143- 11" Rope Block-
404-F- 14' Yellow Rope-

(1)
(1)

HARDWARE NEEDED

I- 3/8" x 5" Hex Lag Screw-
O- 3/8" USS Flatwasher-

(2)
(2)



SLIDE 404-F THROUGH CC-143 AND TIE A KNOT HOLDING IT IN PLACE. WORK YOUR WAY DOWN TYING A KNOT EVERY 2 TO 3 FEET UNTIL YOU STRING THE ROPE THROUGH CC-087 AND TIE A KNOT SECURING THE ROPE TO THE ROCKWALL.

Bengal Fort Main Assembly

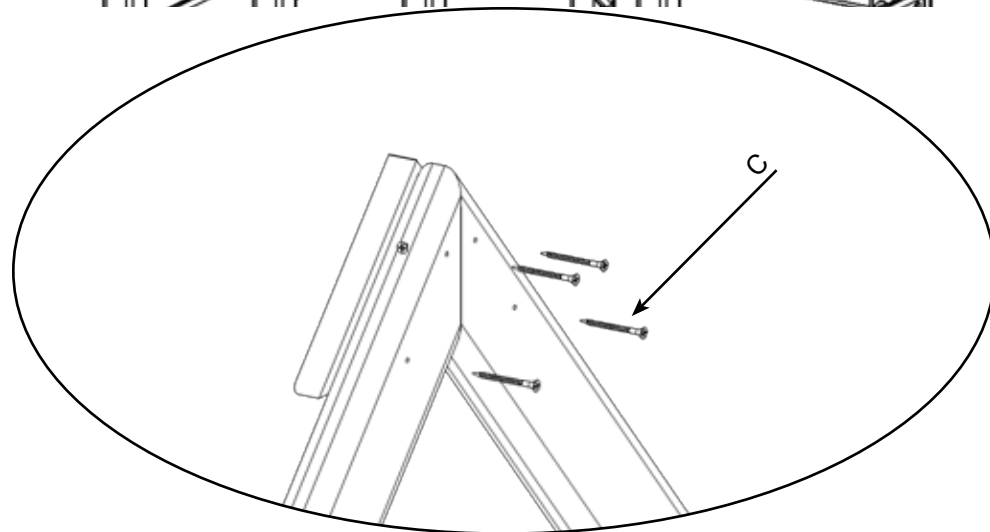
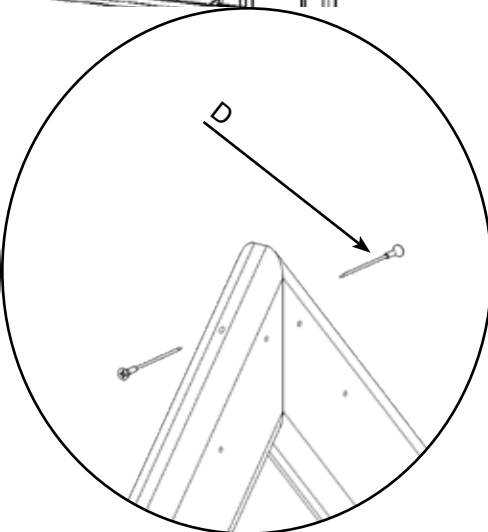
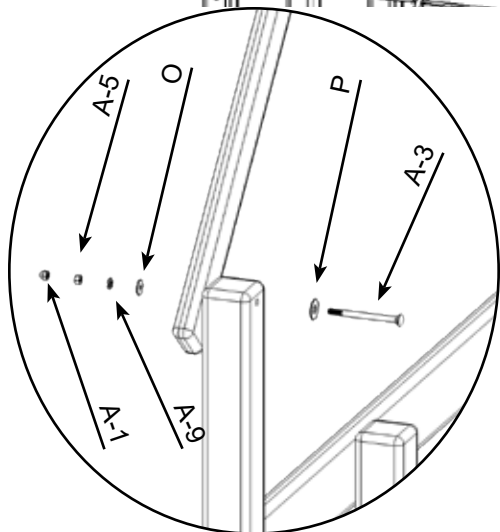
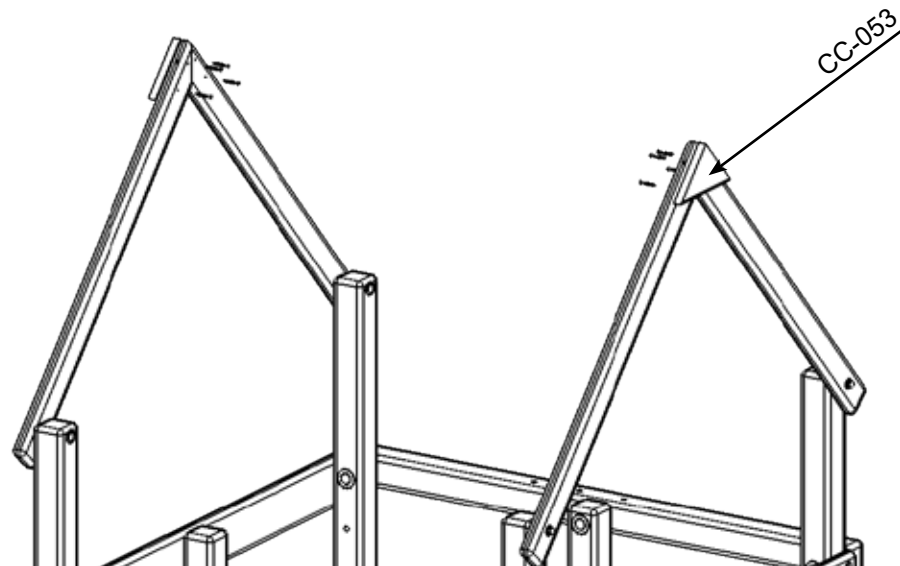
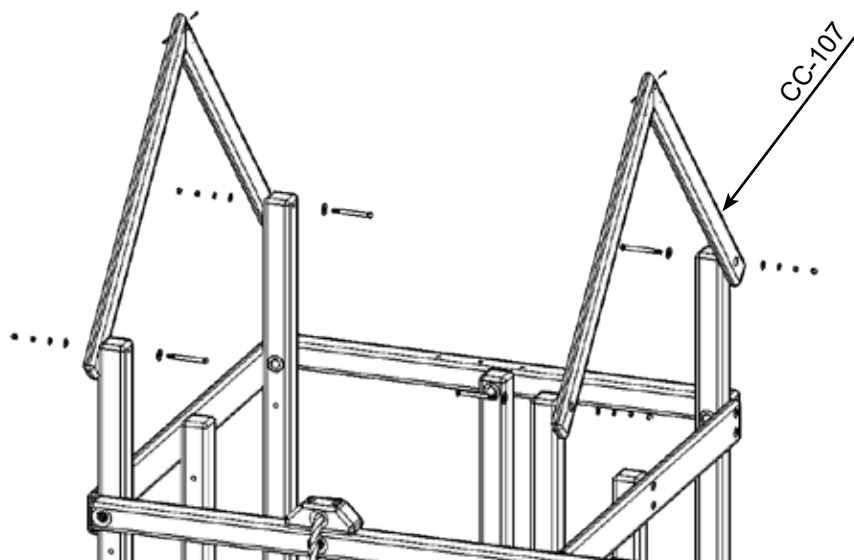
PARTS NEEDED

CC-107- 48 1/8" Wood Roof Support-
CC-053- 9 9/16" Wood Roof Peak-

(4) A-1- 3/8" Acorn Nut Plated-
(2) A-9- 3/8" Split Lockwasher-
P- 1/2" USS Flatwasher-
D- 2 1/2" Coated Deck Screw-

HARDWARE NEEDED

(4) A-5- 3/8" Hex Nut-
(4) O- 3/8" USS Flatwasher-
(4) A-3- 3/8" x 5" Carriage Bolt-
(4) C- 2" Coated Deck Screw-
(8)



Bengal Fort Main Assembly

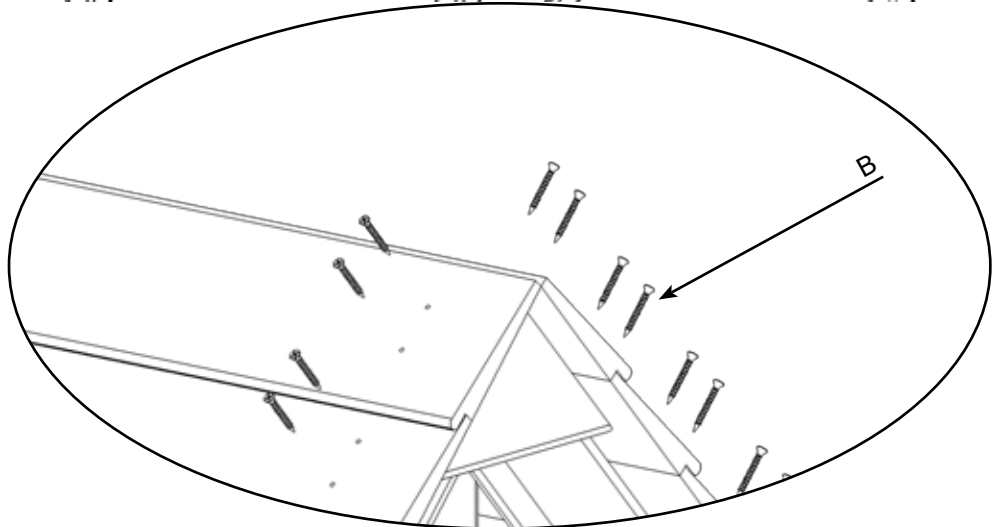
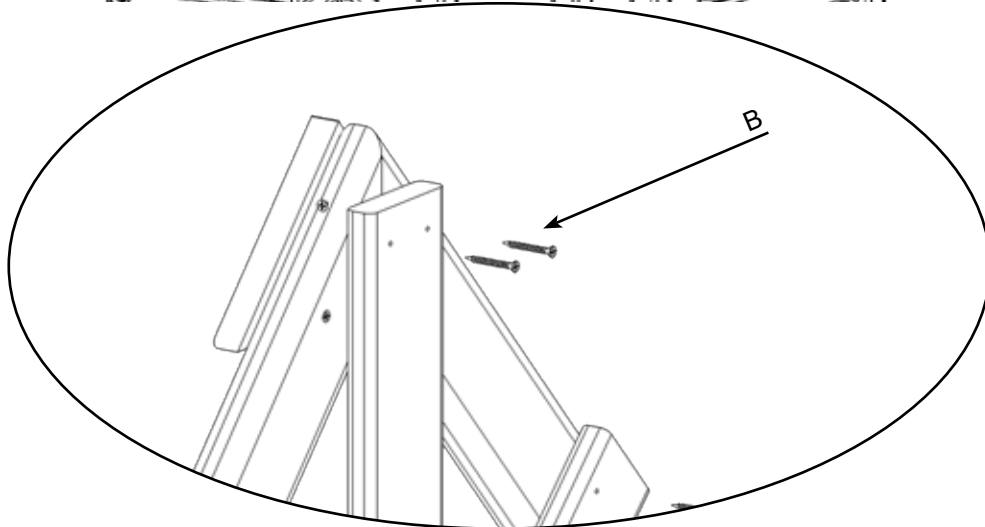
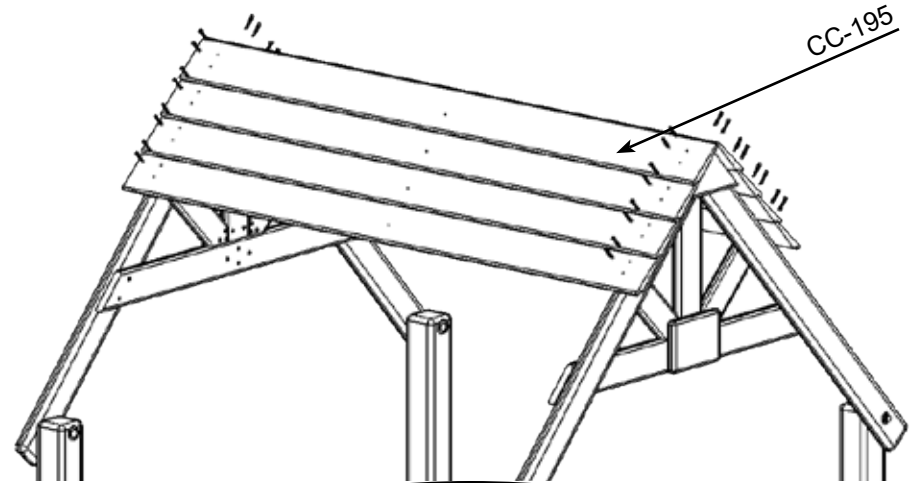
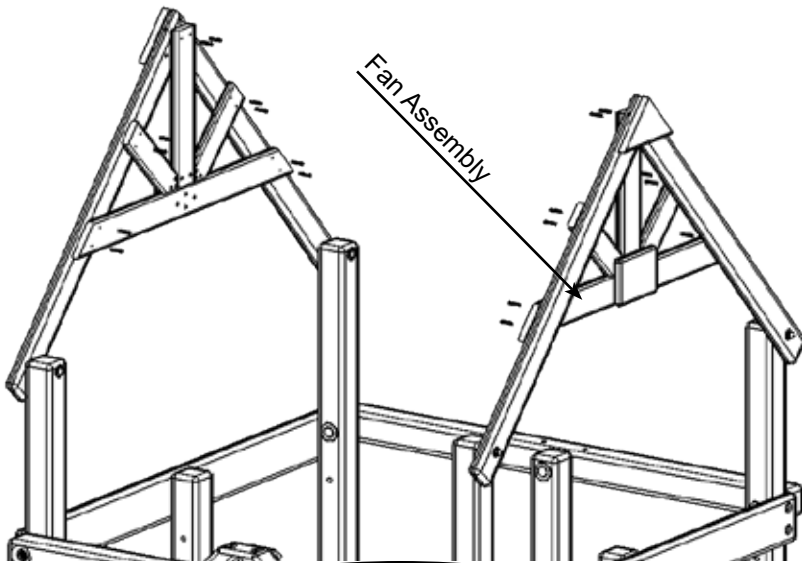
PARTS NEEDED

Fan Assembly- (2)
CC-195- 67 1/2" Wood Roof Board- (8)

HARDWARE NEEDED

B- 1 1/2" Coated Deck Screw- (56)

REPEAT FOR BOTH SIDES OF WOOD ROOF. WOOD ROOF BOARDS
OVERHANG SUPPORTS BY 2 1/4"



Bengal Fort Main Assembly

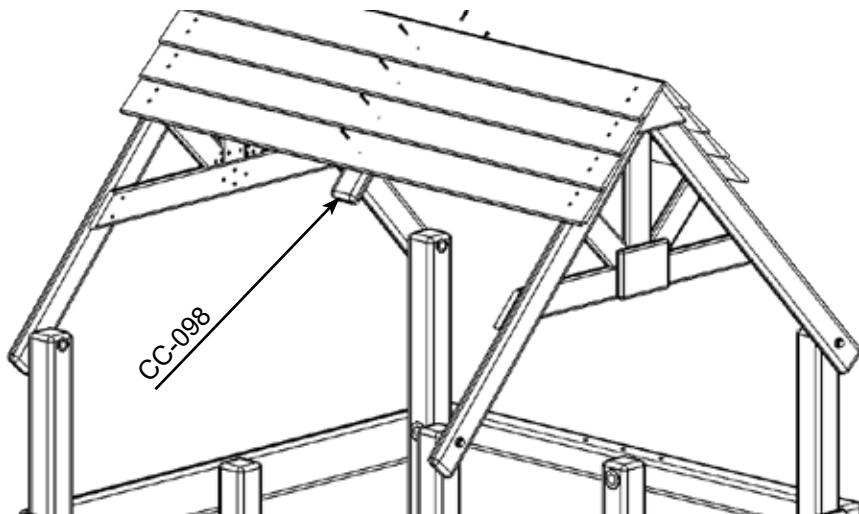
PARTS NEEDED

CC-098- 20" Wood Roof Support- (2)
CC-195- 67 1/2" Wood Roof Board- (10)

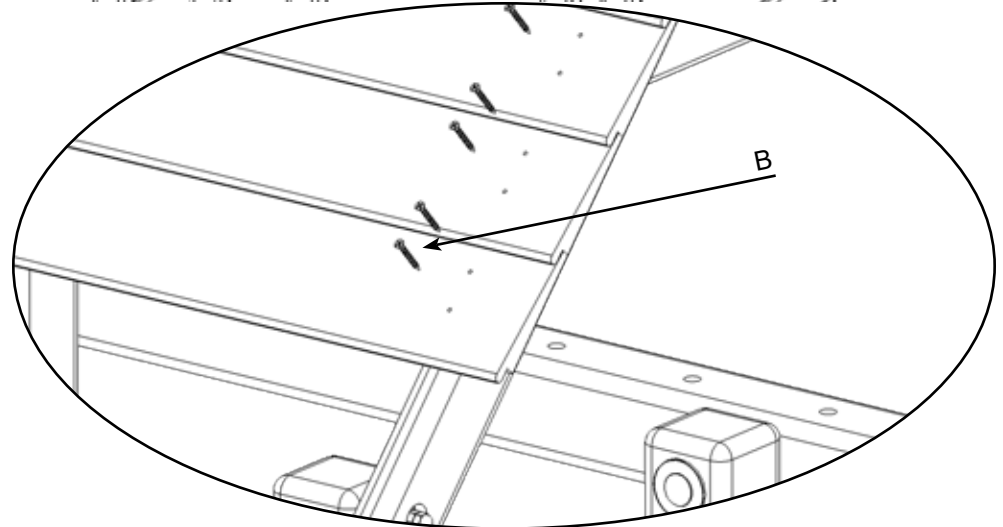
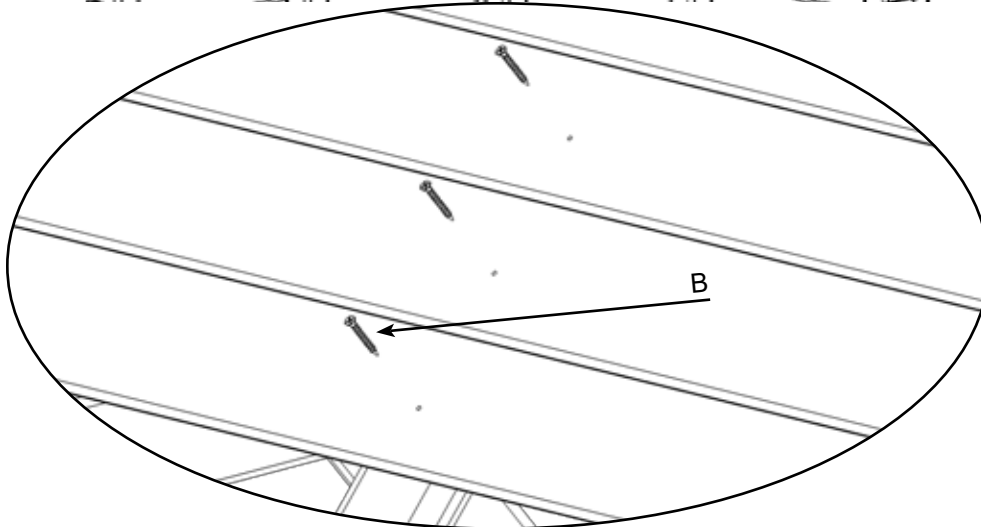
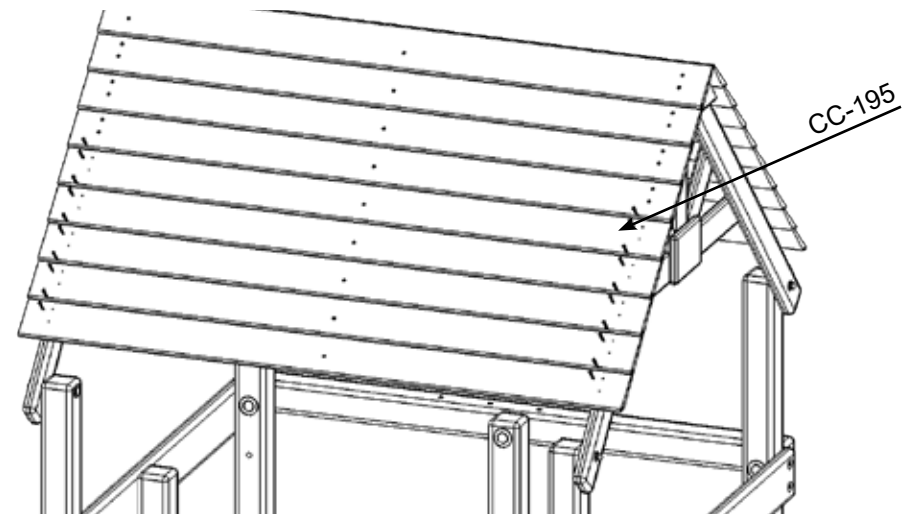
HARDWARE NEEDED

B- 1 1/2" Coated Deck Screw- (48)

REPEAT FOR BOTH SIDES OF WOOD ROOF



REPEAT FOR BOTH SIDES OF WOOD ROOF



Bengal Fort Main Assembly

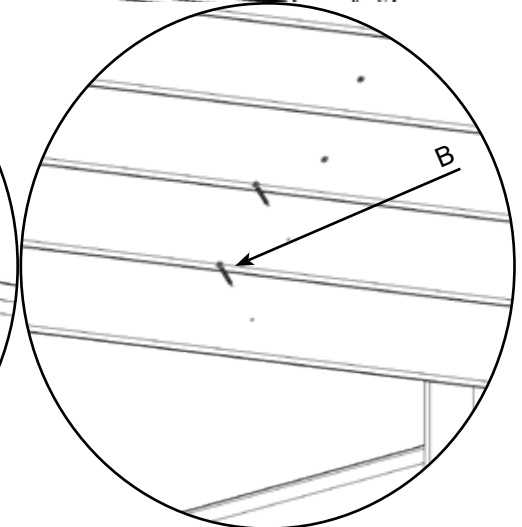
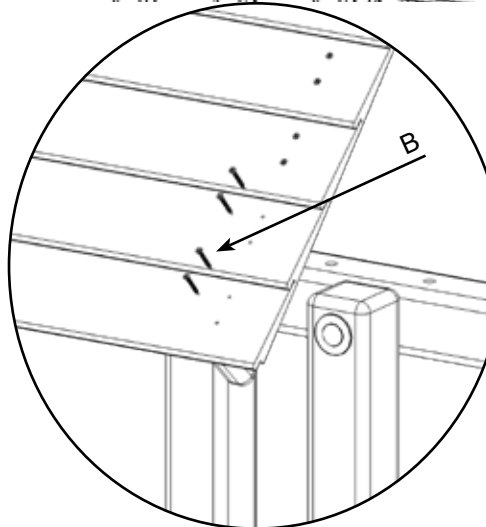
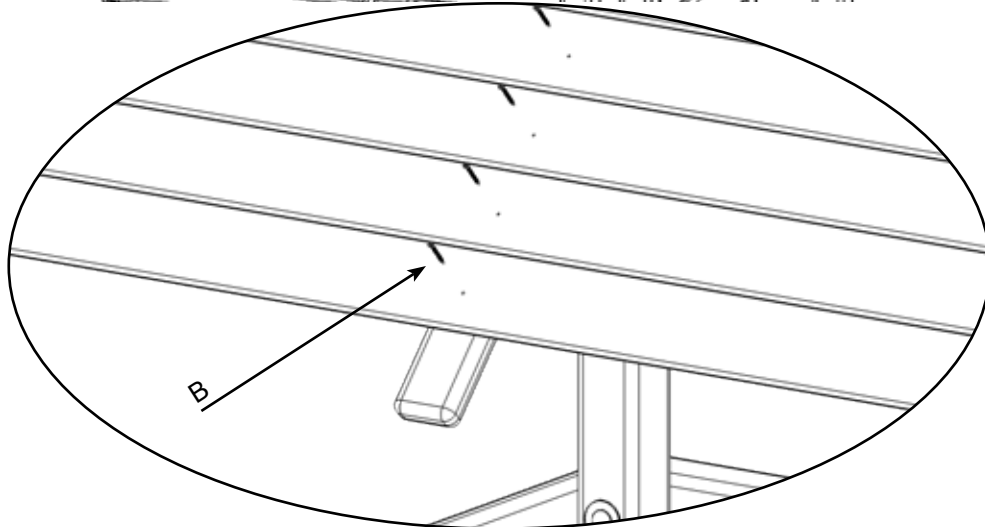
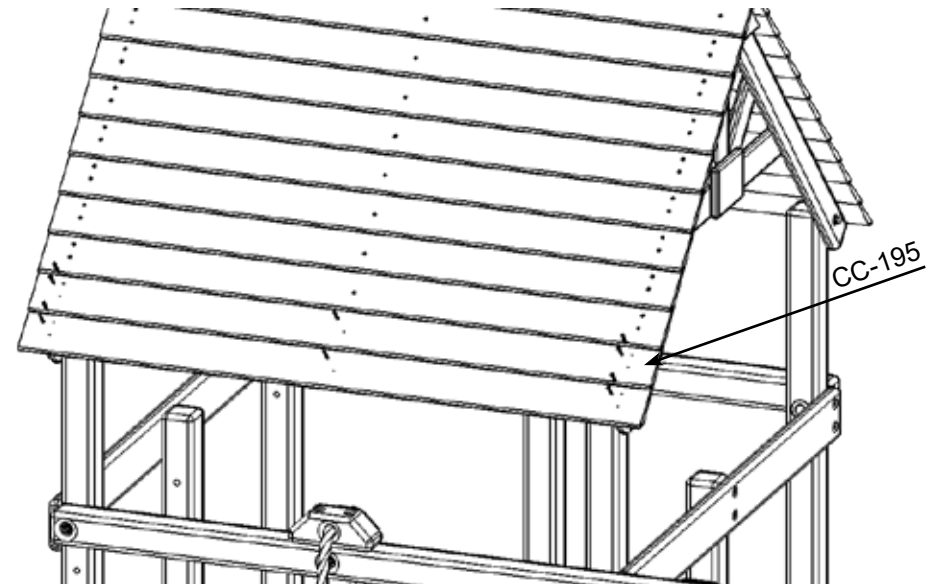
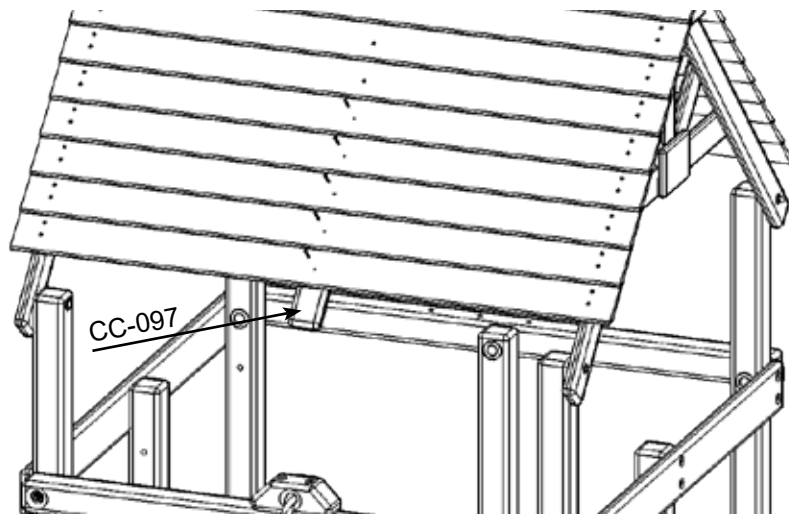
PARTS NEEDED

CC-097- 25" Wood Roof Support- (2)
CC195- 67 1/2" Wood Roof Board- (4)

HARDWARE NEEDED

B- 1 1/2" Coated Deck Screw- (30)

REPEAT FOR BOTH SIDES OF WOOD ROOF



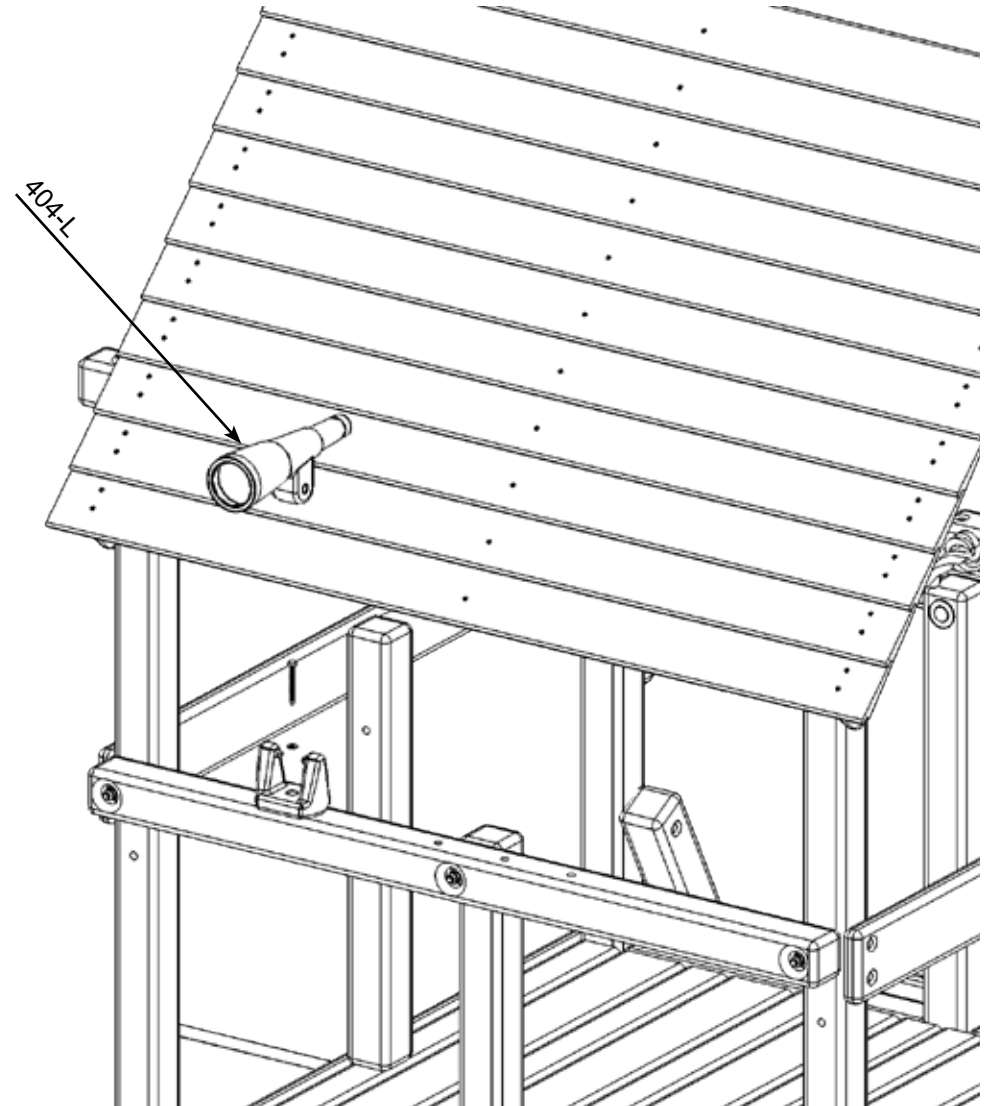
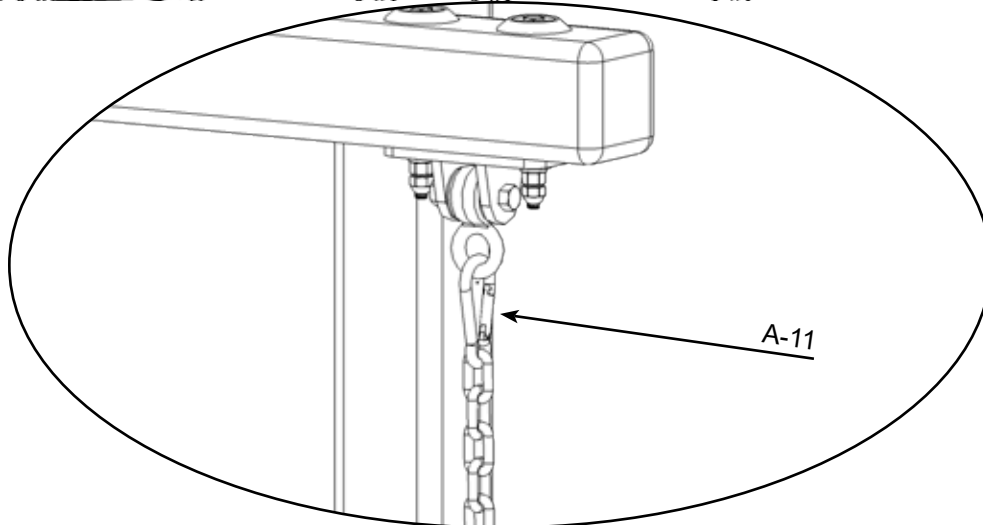
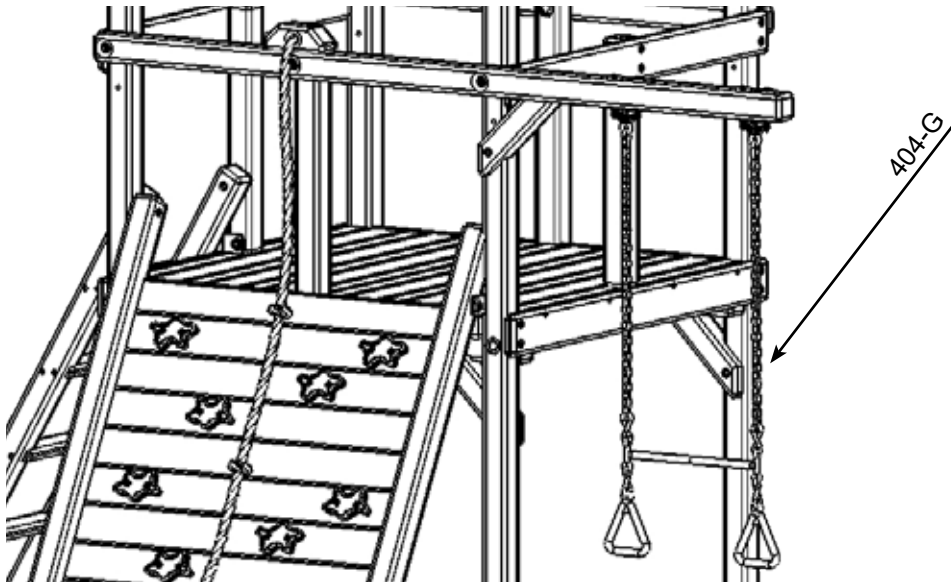
Bengal Fort Main Assembly

PARTS NEEDED

404-G- 20" Trapeze Bar w/ Rings- (1)
404-L- Telescope- (1)

HARDWARE NEEDED

A-11- 8 x 80mm Spring Clip- (2)



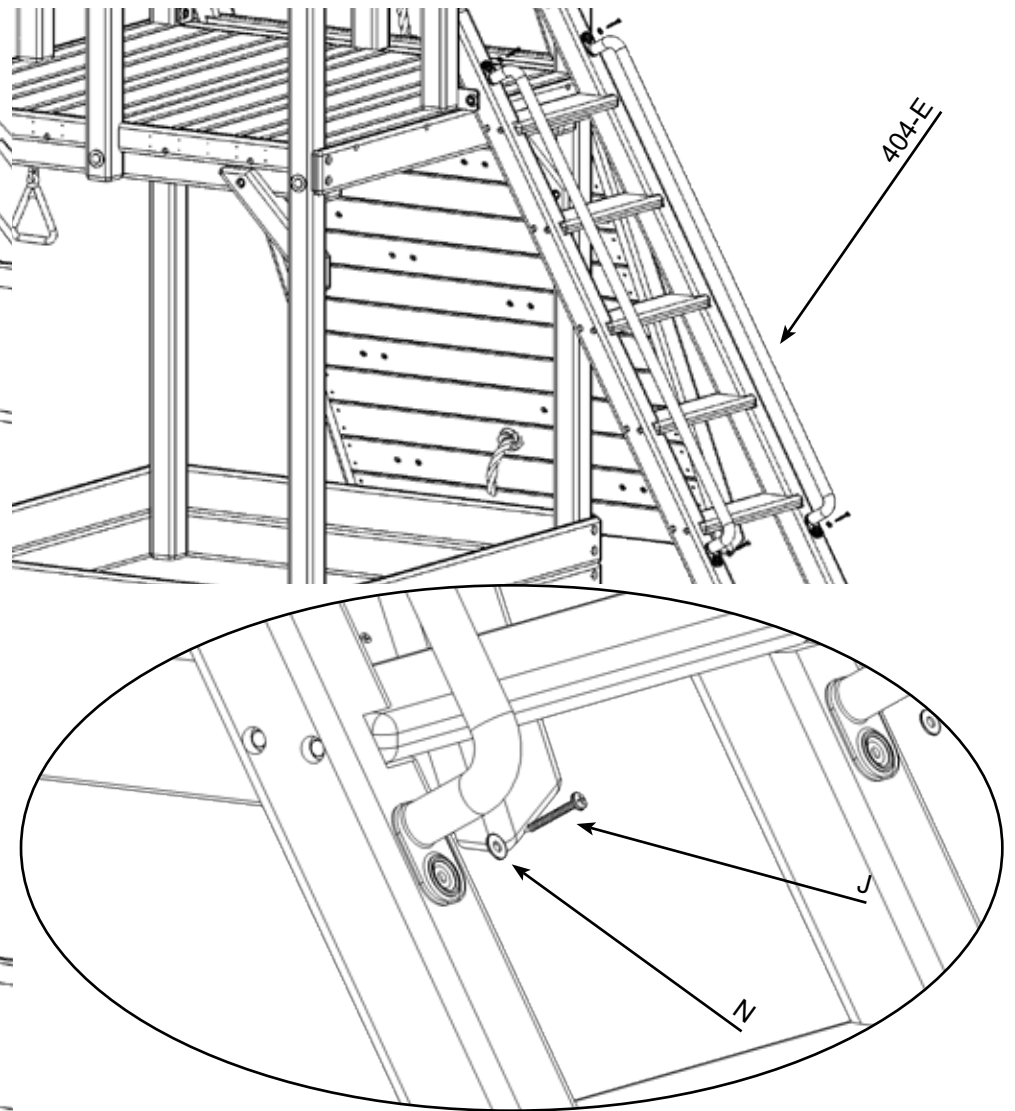
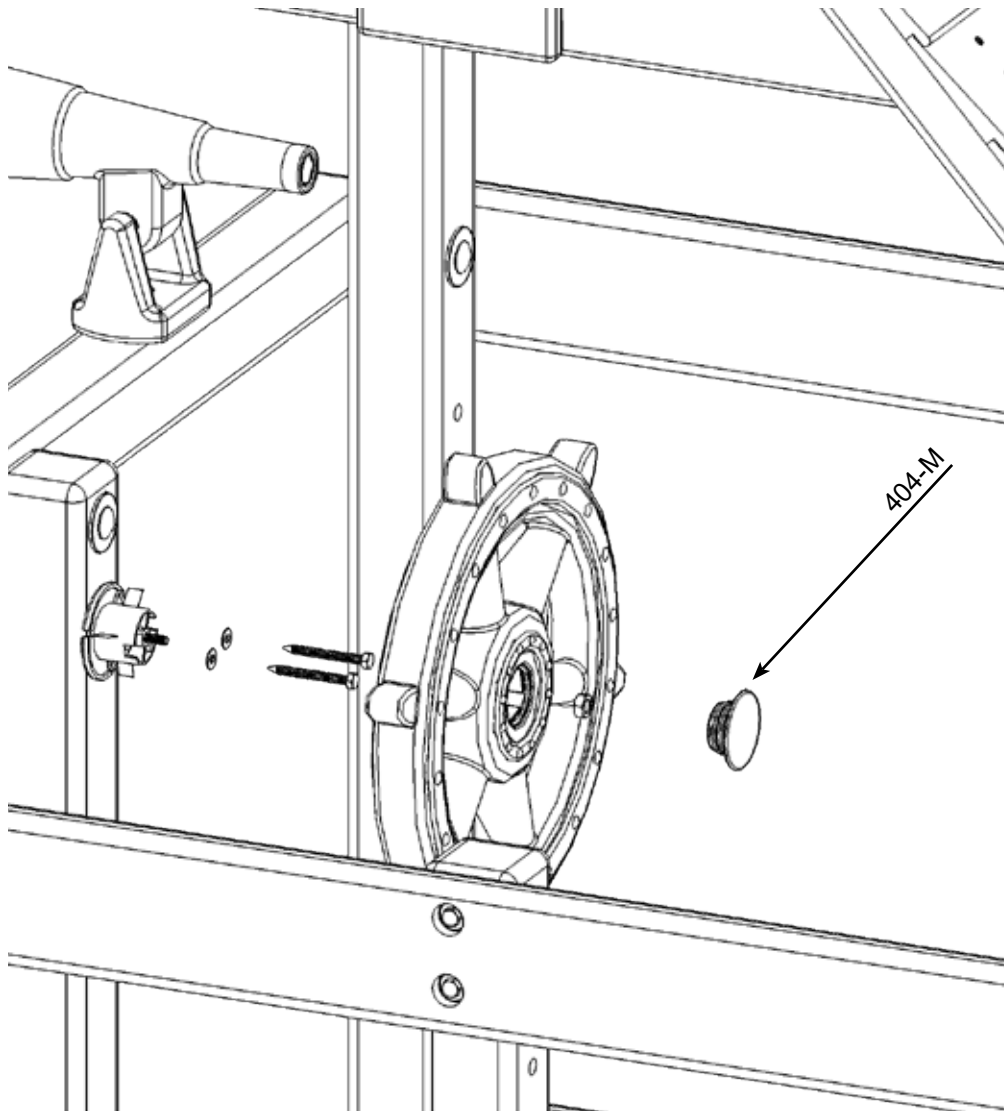
Bengal Fort Main Assembly

PARTS NEEDED

404-M- 19" Ships' Wheel- (1)
404-E- Playgrip Ladder Handle- (2)

HARDWARE NEEDED

(Hardware with Ships' Wheel)
J- #14 x 2" Pan Phillips T/S- (4)
N- 1/4" USS Flatwasher- (4)



Bengal Fort Main Assembly

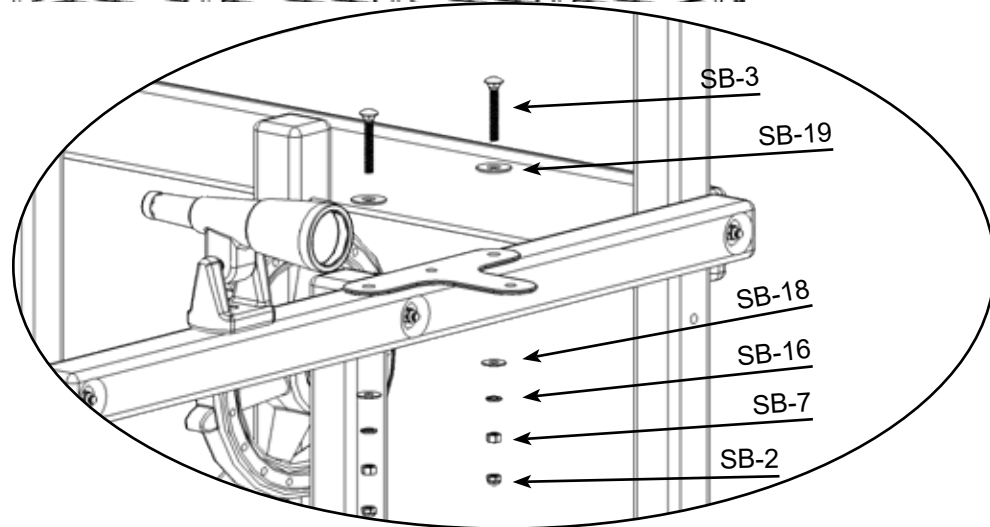
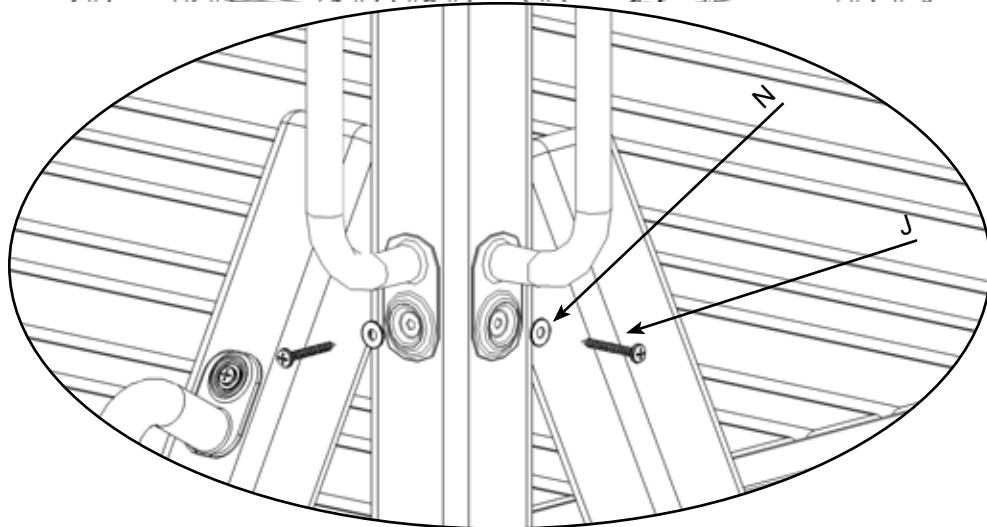
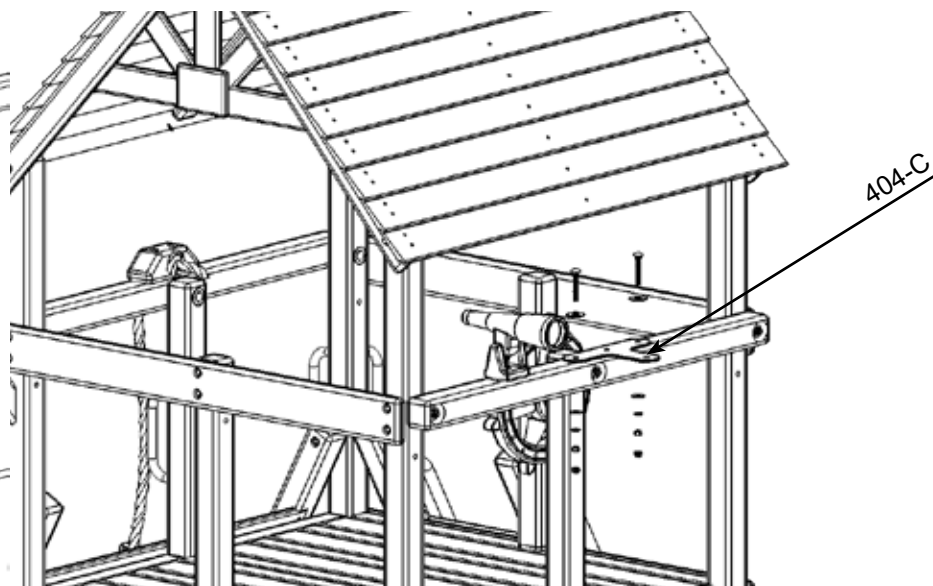
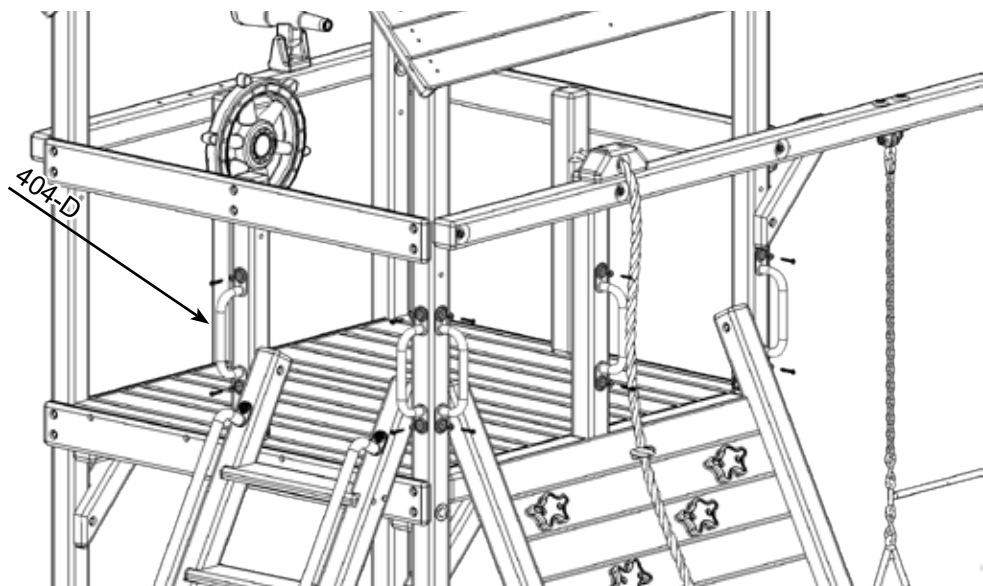
PARTS NEEDED

404-D- Playgrip Safety Handle-
404-C- Swingbeam T-Bracket-

(5) N- 1/4" USS Flatwasher-
(1) SB-3- 1/2" x 3 1/2" Carriage Bolt-
SB-18- 1/2" USS Flatwasher-
SB-7- 1/2" Hex Nut-

HARDWARE NEEDED

(10) J- #14 x 2" Pan Phillips T/S- (10)
(2) SB-19- 3/4" USS Flatwasher- (2)
(2) SB-16- 1/2" Split Lockwasher- (2)
(2) SB-2- 1/2" Acorn Nut Plated- (2)



Bengal Fort Main Assembly

PARTS NEEDED

A-Frame Assembly-

(1)

SB-5- 1/2" x 9" Carriage Bolt-
 SB-19- 3/4" USS Flatwasher-
 SB-16- 1/2" Split Lockwasher-
 SB-2- 1/2" Acorn Nut Plated-
 SB-12- 3/8" x 5" Hex Lag Screw-

HARDWARE NEEDED

(1)

(2)

(2)

(2)

(2)

SB-4- 1/2" x 7" Carriage Bolt-

SB-18- 1/2" USS Flatwasher-

SB-7- 1/2" Hex Nut-

SB-17- 3/8" USS Flatwasher-

(1)

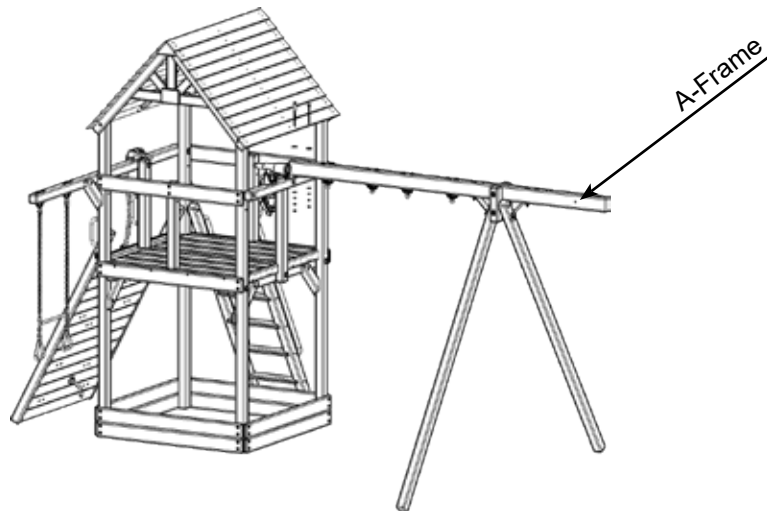
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(2)

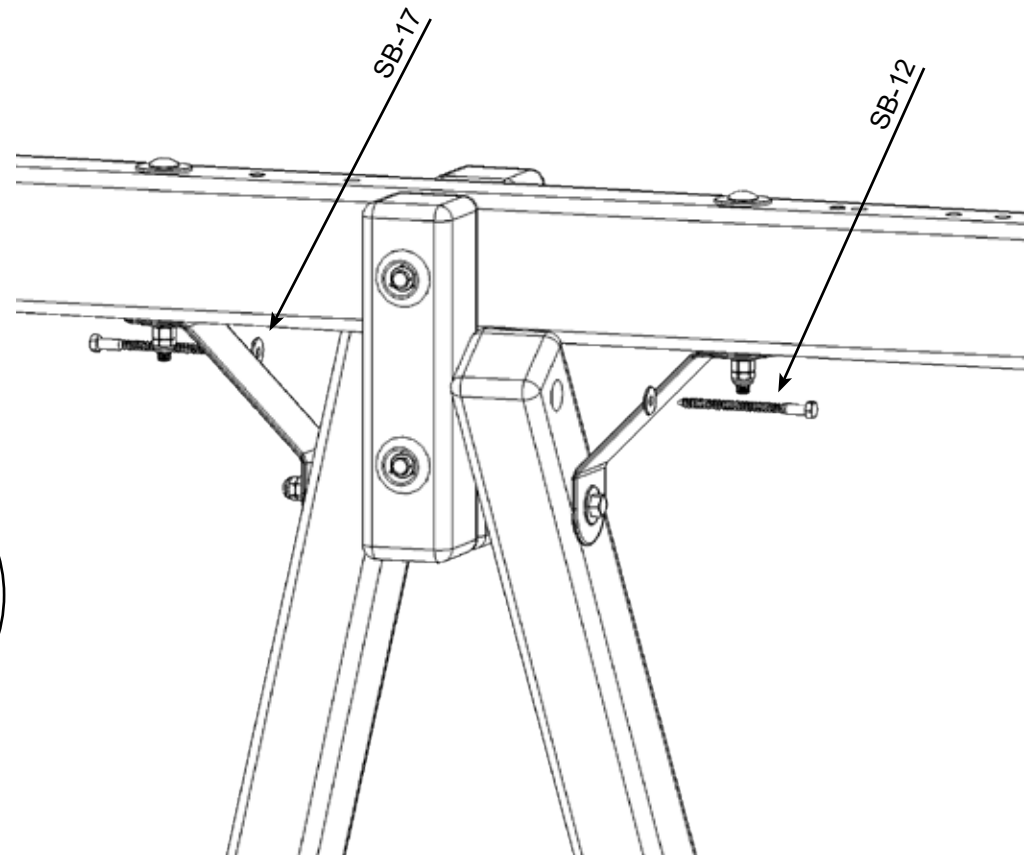
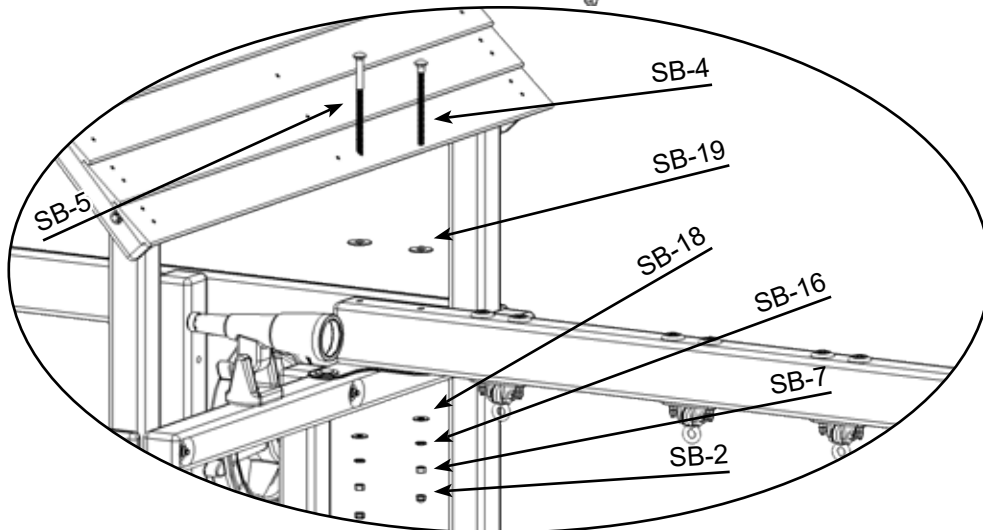
(2)

(2)

ATTACH AND LEVEL THE A-FRAME



AFTER ATTACHING AND LEVELING SECURE AS SHOWN



Bengal Fort Main Assembly

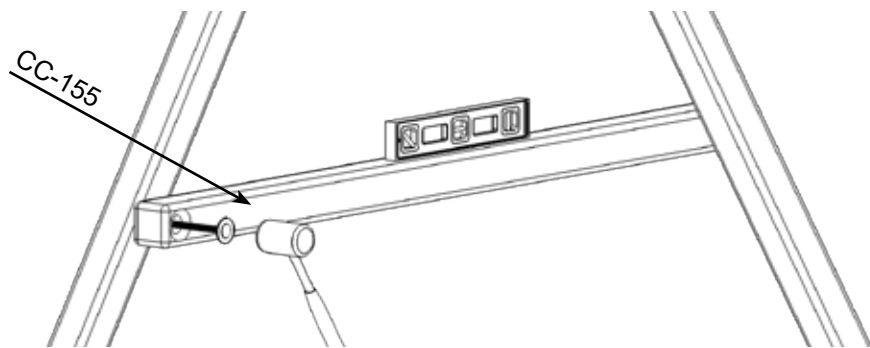
PARTS NEEDED

CC-155- 72" A-Frame Crossmember-
404-J- 72" Chained Belt Swing-

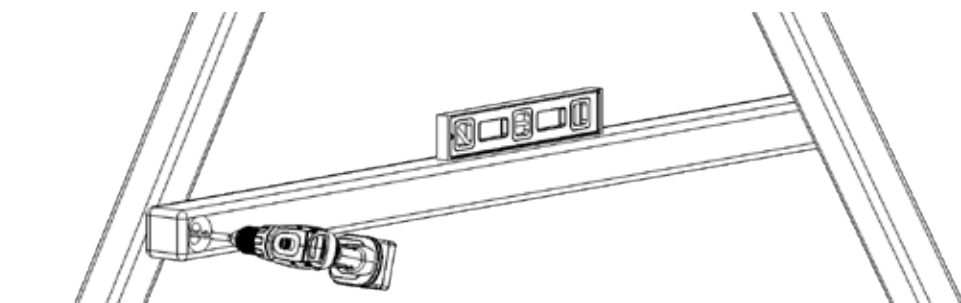
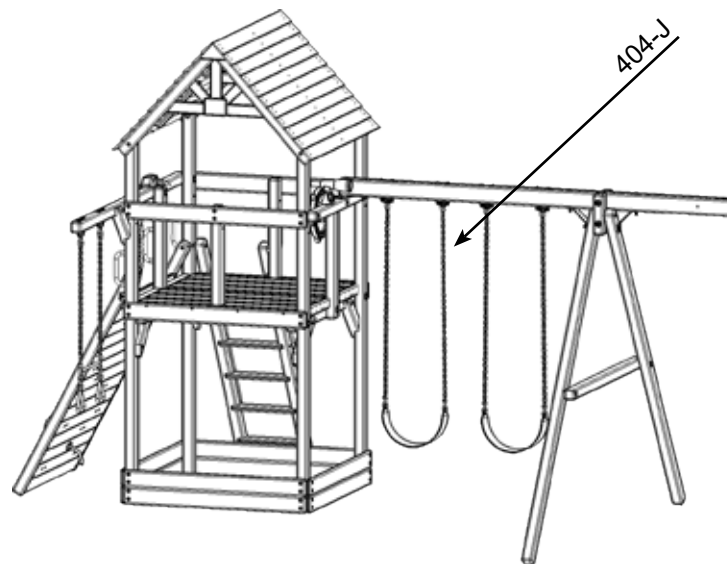
(1) SB-4- 1/2" x 7" Carriage Bolt-
(2) SB-18- 1/2" USS Flatwasher-
SB-7- 1/2" Hex Nut-
SB-21- 8 x 80mm Spring Clip-

HARDWARE NEEDED

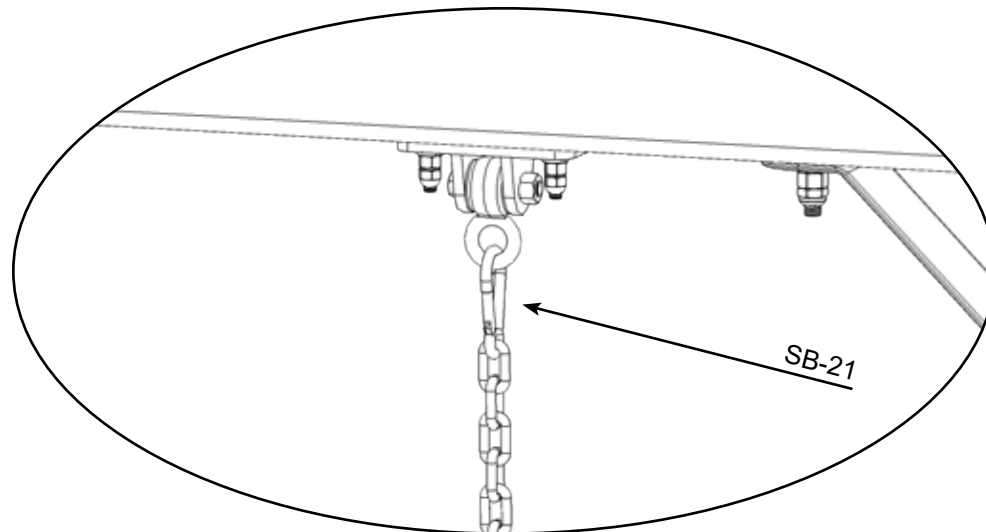
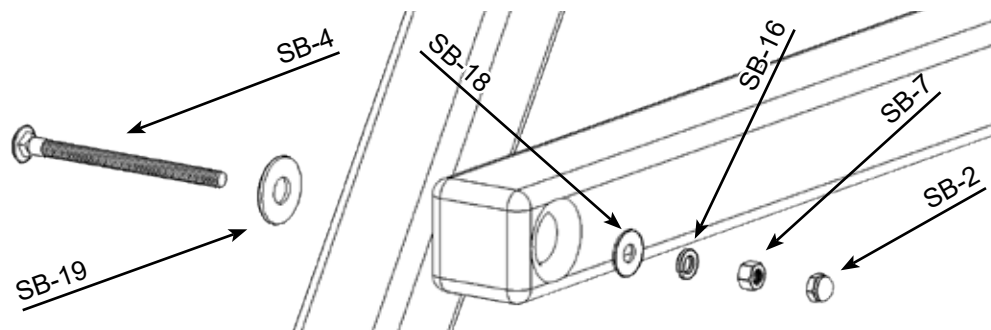
(2) SB-19- 3/4" USS Flatwasher- (2)
(2) SB-16- 1/2" Split Lockwasher- (2)
(2) SB-2- 1/2" Acorn Nut Plated- (2)
(4)



LEVEL THE CORSSMEMBER AND MARK THE HOLES TO BE DRILLED



USING 9/16" DRILL BIT DRILL OUT THE HOLES AND ATTACH AS SHOWN BELOW

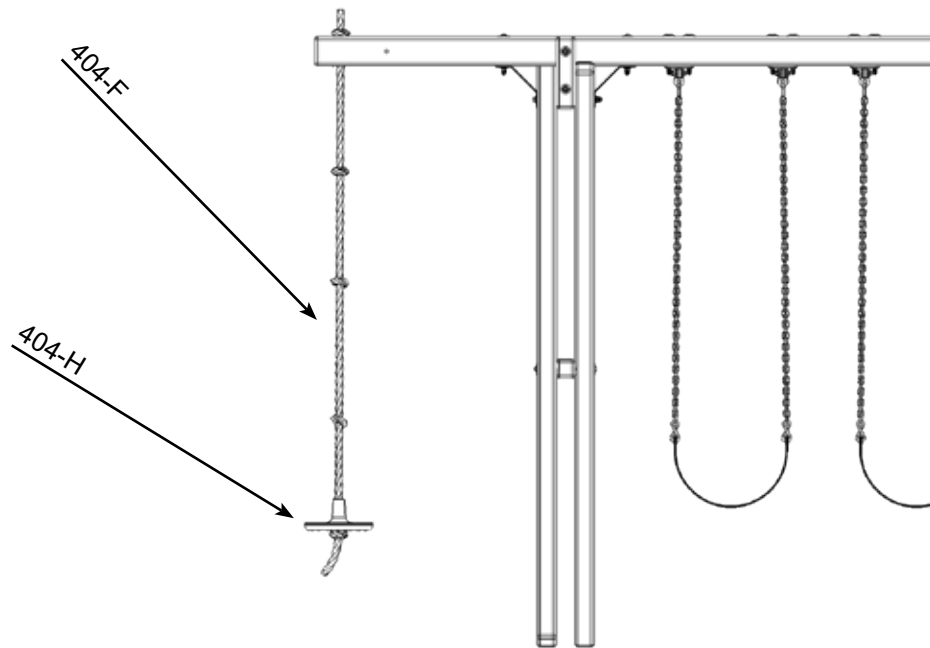


Bengal Fort Main Assembly

PARTS NEEDED

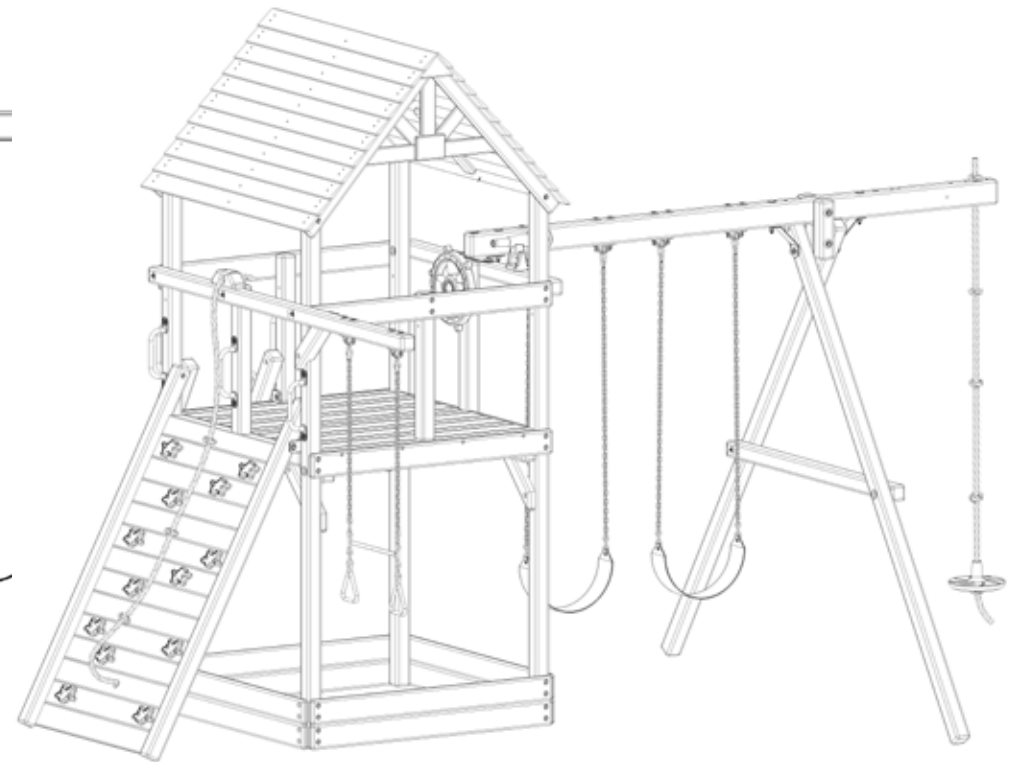
404-F- 14' Yellow Rope-
404-H- Disc Swing-

(1)
(1)



SLIP THE ROPE THROUGH THE SWINGBEAM AND TIE A KNOT. THEN TIE A KNOT EVERY 2 TO 3 FEET. PLACE THE 404-F DISC SWING ON THE ROPE AND TIE A DOUBLE KNOT SECURING IT TO THE ROPE.

Finished Base Assembly



THE BASE ASSEMBLY IS FINISHED. NEXT DETERMINE IF THE PACKAGE YOU HAVE HAS THE LOWER FLOOR OR A PICNIC TABLE.

Picnic Table/ Lower Floor Sub-Assemblies

PARTS NEEDED

CC-092- 12 7/8" Picnic Side Support-	(4)	CC-091- 12 7/8" Center Picnic Seat Support-	(2)
CC-126- 60 3/4" Picnic Table Board-	(7)	CC-113- 54" Picnic Table Board-	(1)
CC-106- 28 1/4" Picnic Side Support-	(2)	CC-105- 28 1/4" Picnic Center Support-	(1)
CC-117- 60 3/4" Picnic Table Board-	(4)		

HARDWARE NEEDED

D- 2 1/2" Coated Deck Screw- (78)

MAKE 2 SEAT ASSEMBLIES

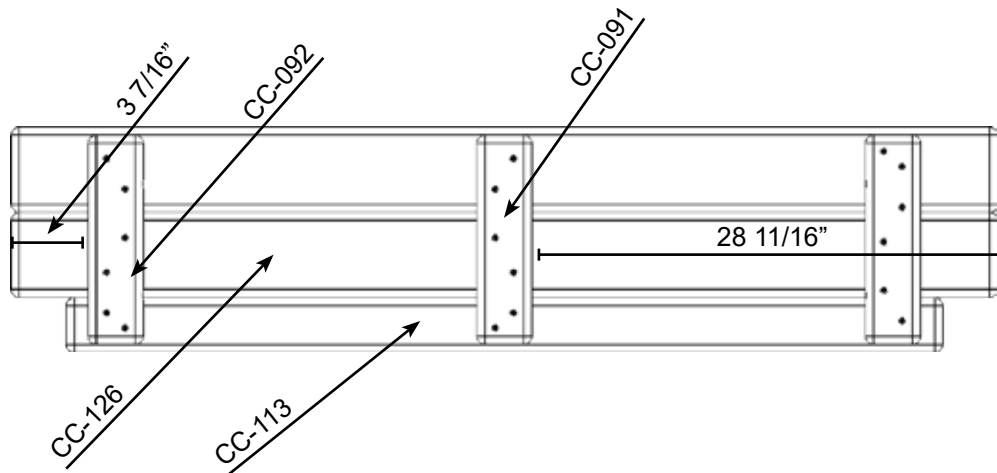
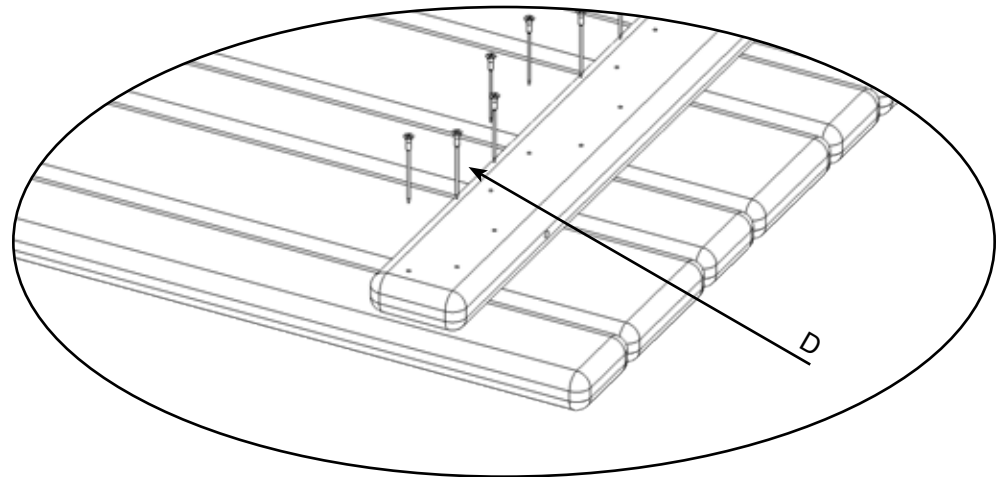
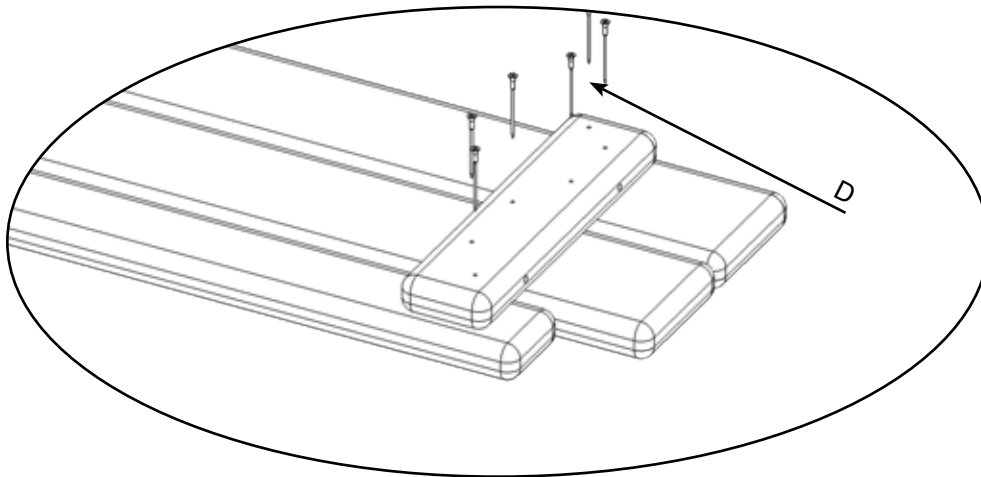
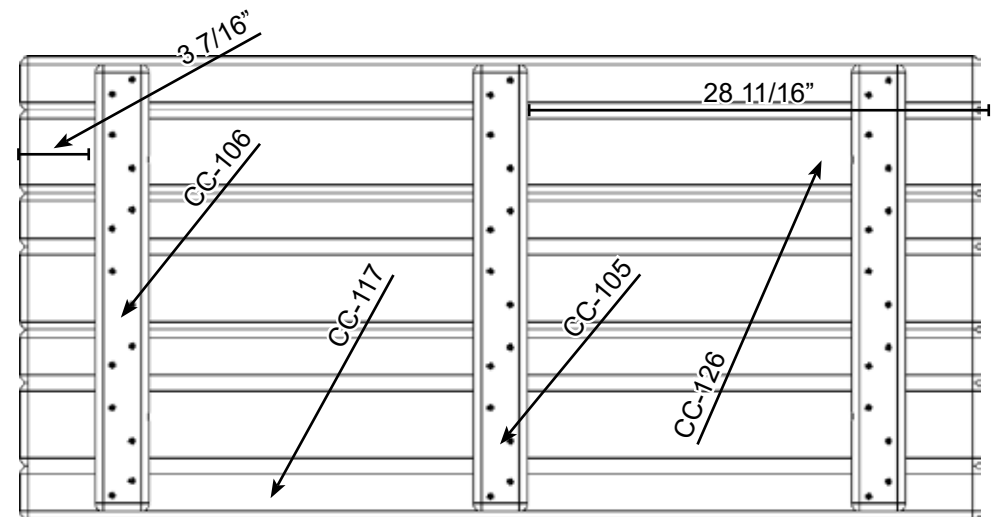


TABLE ASSEMBLY



Picnic Table Install (Skip for Lower Floor)

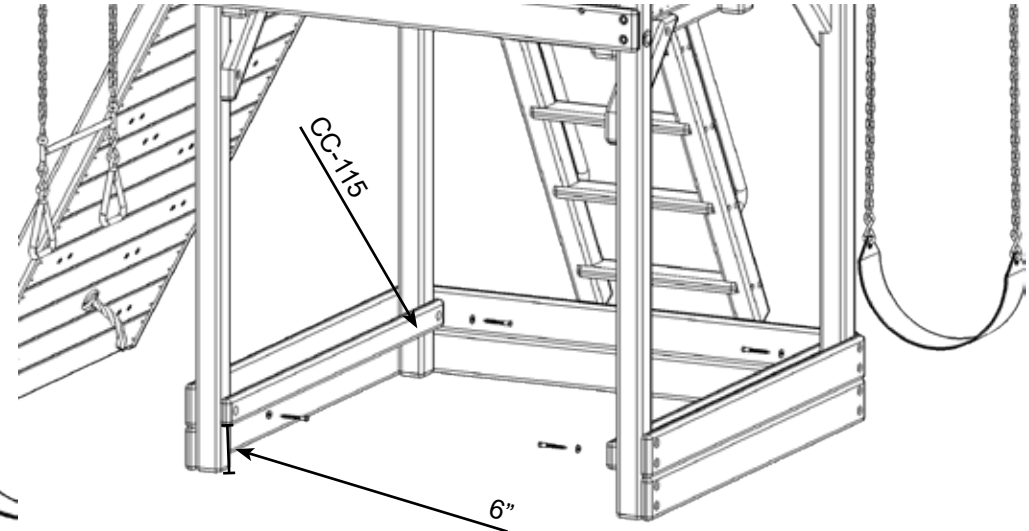
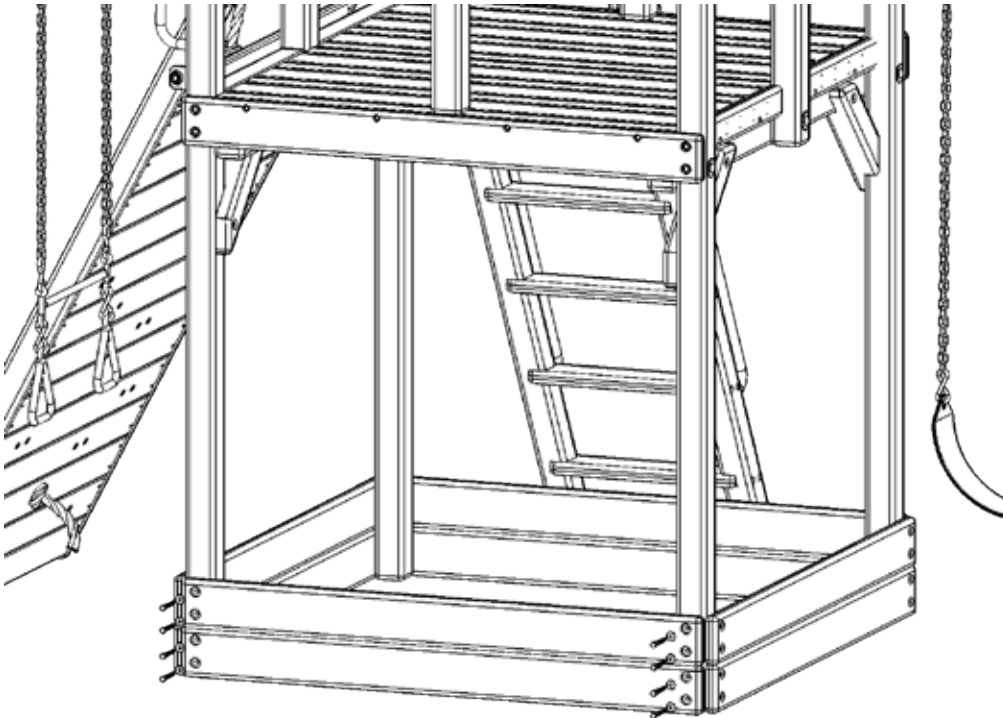
PARTS NEEDED

404-24- 60 1/4" Picnic Support- (2)

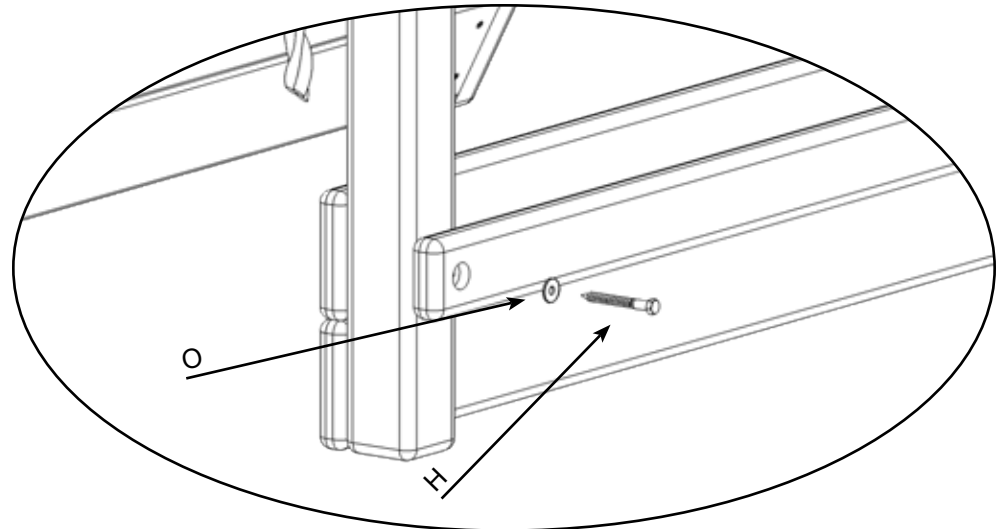
HARDWARE NEEDED

O- 3/8" USS Flatwasher- (4)

H- 3/8" x 3 1/2" Hex Lag Screw- (4)



REMOVE THE LOWER FACIA BOARDS FOR EASY ACCESS TO THE LOWER PART OF THE UNIT.



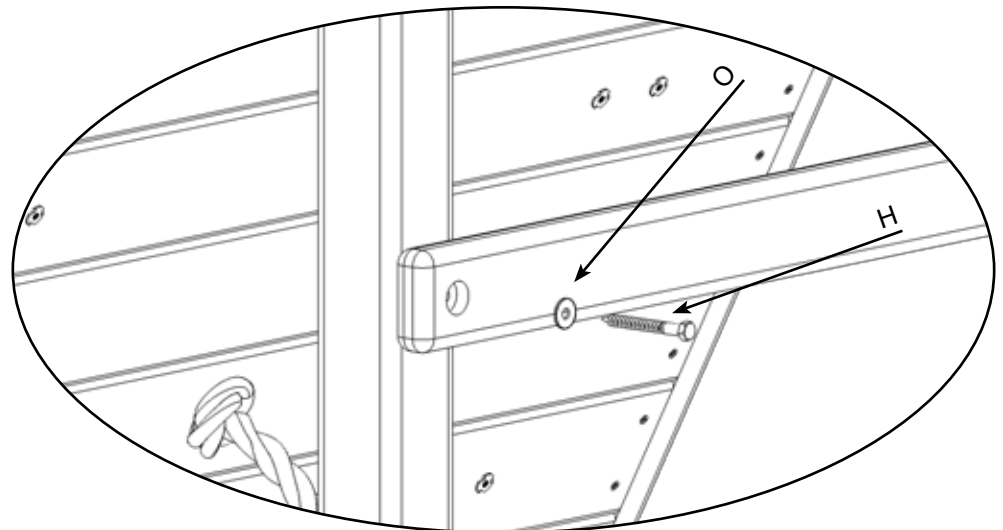
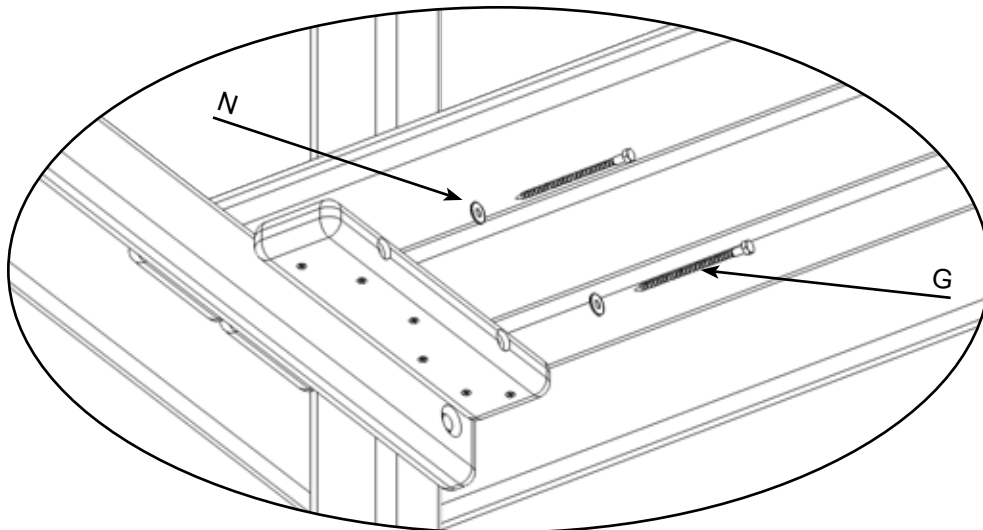
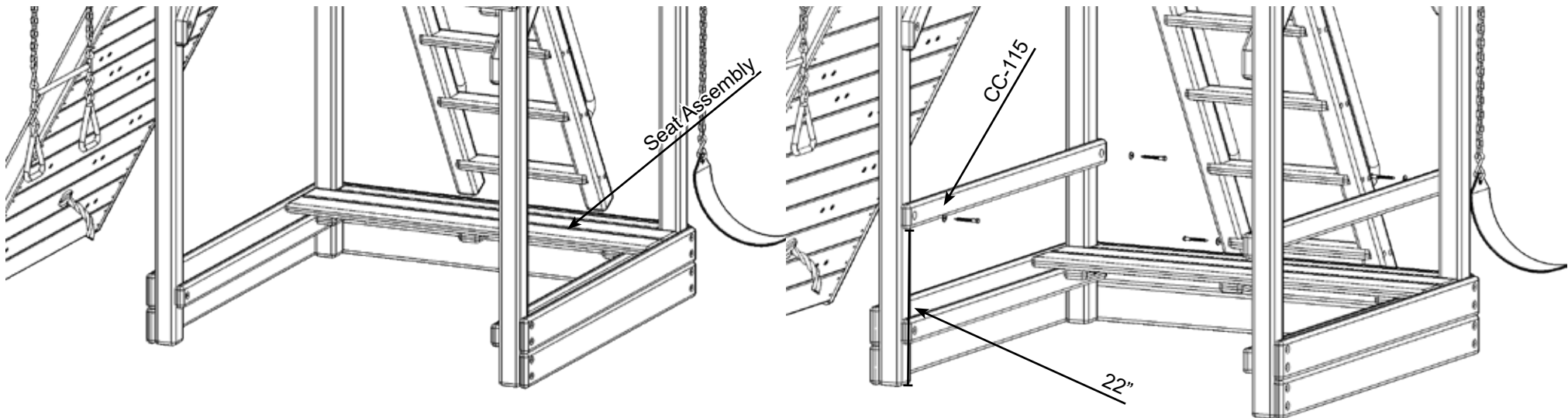
Picnic Table Install (Skip for Lower Floor)

PARTS NEEDED

Seat Assembly- (1)
CC-115- 60 1/4" Picnic Support- (2)

HARDWARE NEEDED

N- 1/4" USS Flatwasher- (4)
G- 1/4" x 4 1/2" Hex Lag Screw- (4)
O- 3/8" USS Flatwasher- (4)
H- 3/8" x 3 1/2" Hex Lag Screw- (4)



Picnic Table Install (Skip for Lower Floor)

PARTS NEEDED

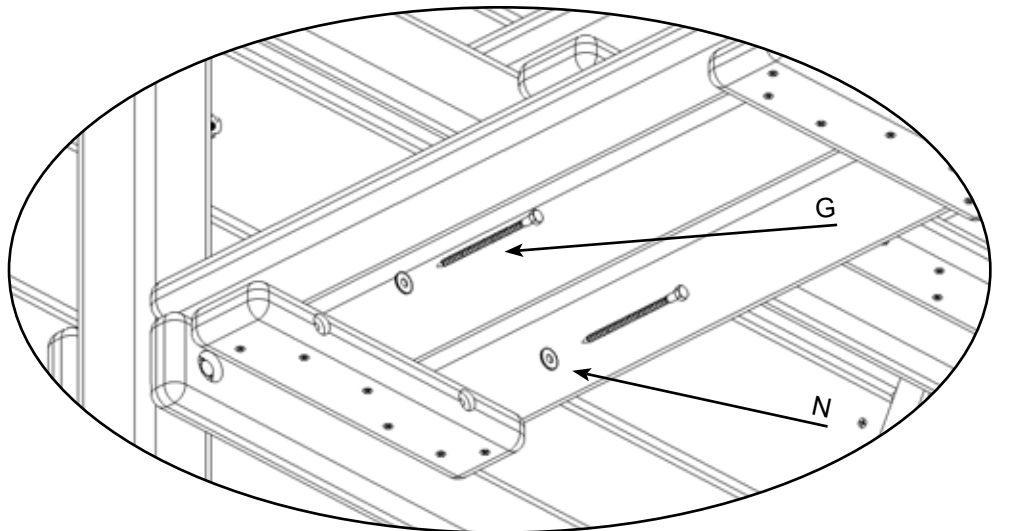
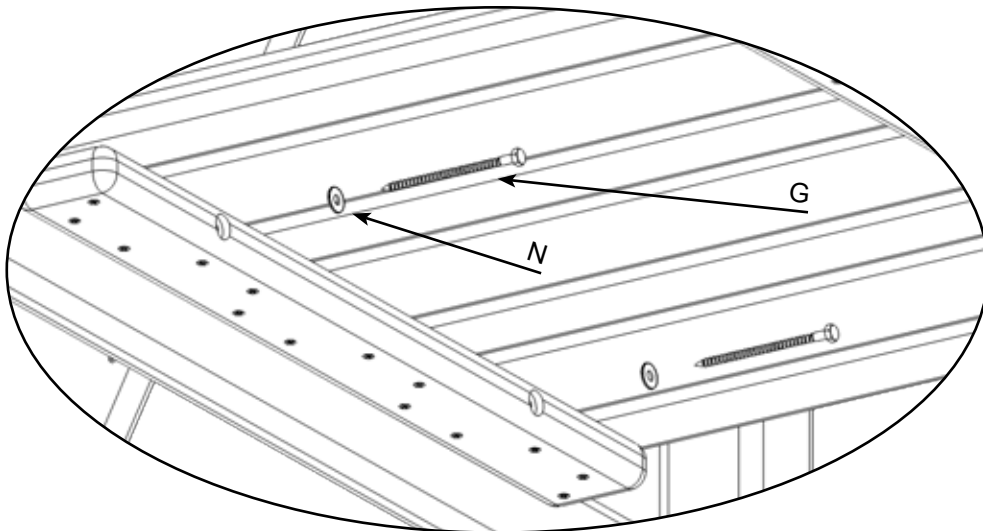
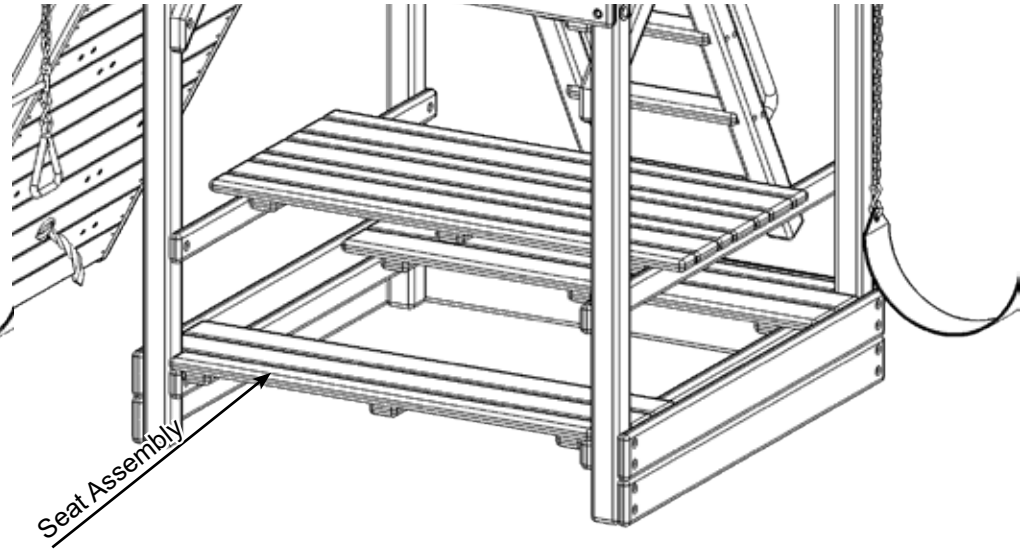
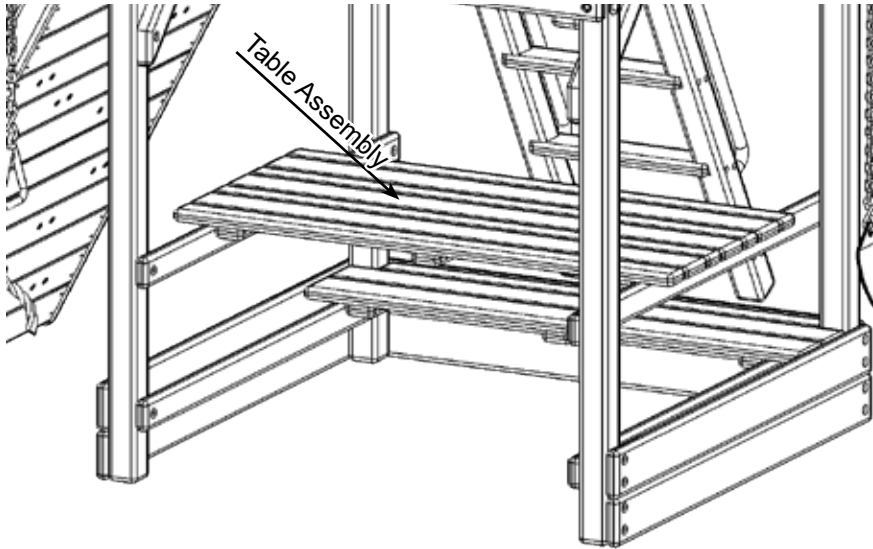
Table Assembly-
Seat Assembly-

(1)
(1)

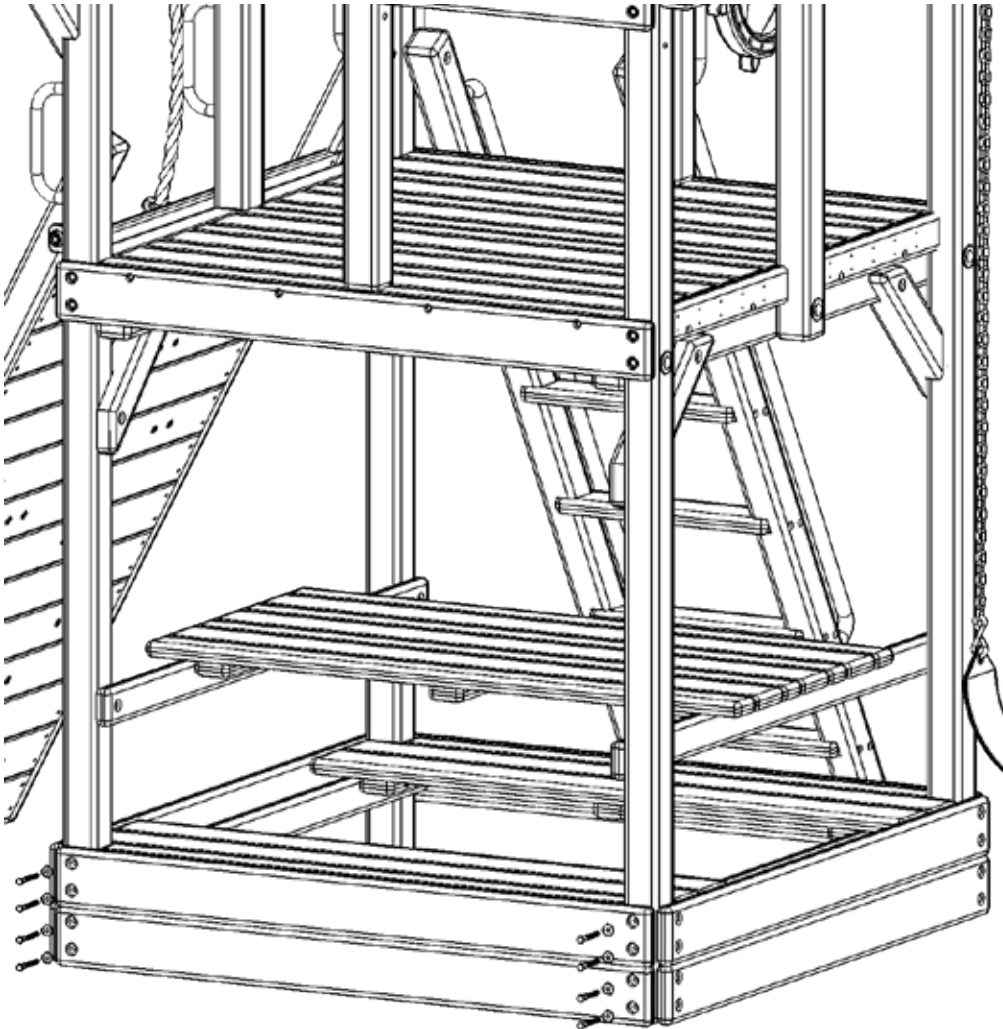
HARDWARE NEEDED

G- 1/4" x 4 1/2" Hex Lag Screw-
N- 1/4" USS Flatwasher-

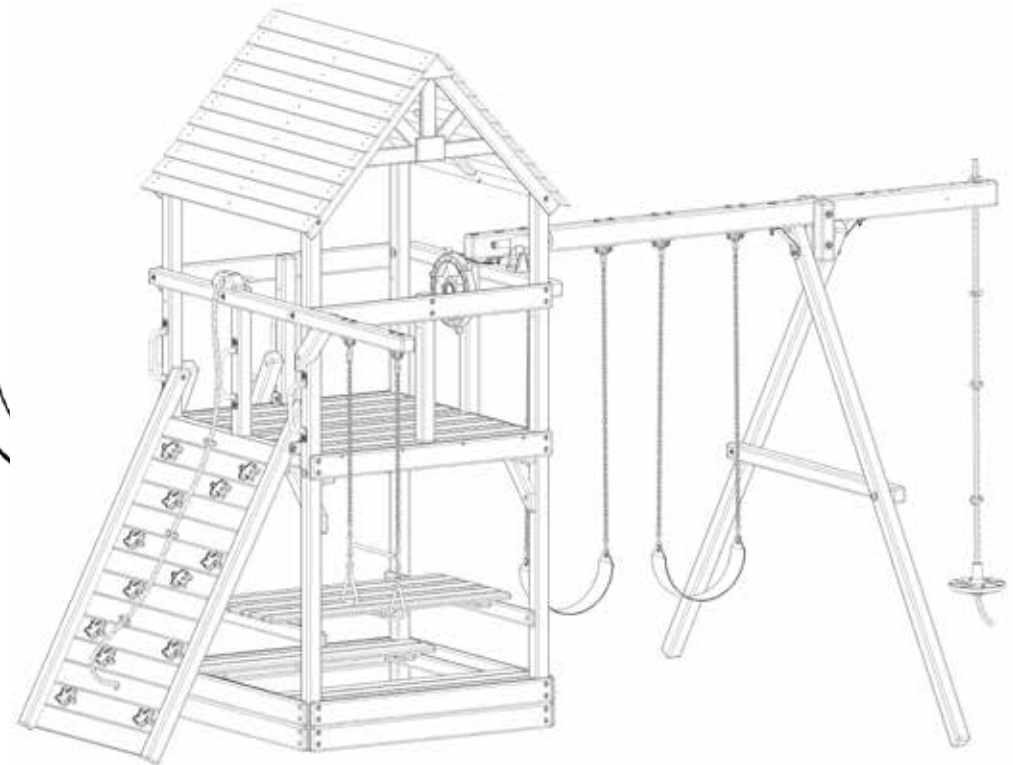
(8)
(8)



Picnic Table Install (Skip for Lower Floor)



PLACE THE OUTSIDE FACIAS BACK ON THE UNIT. THE PICNIC INSTALL IS COMPLETE.



FINISHED BASE ASSEMBLY WITH PICNIC TABLE.

Lower Floor Install (Used Mainly For Playhouse Panels)

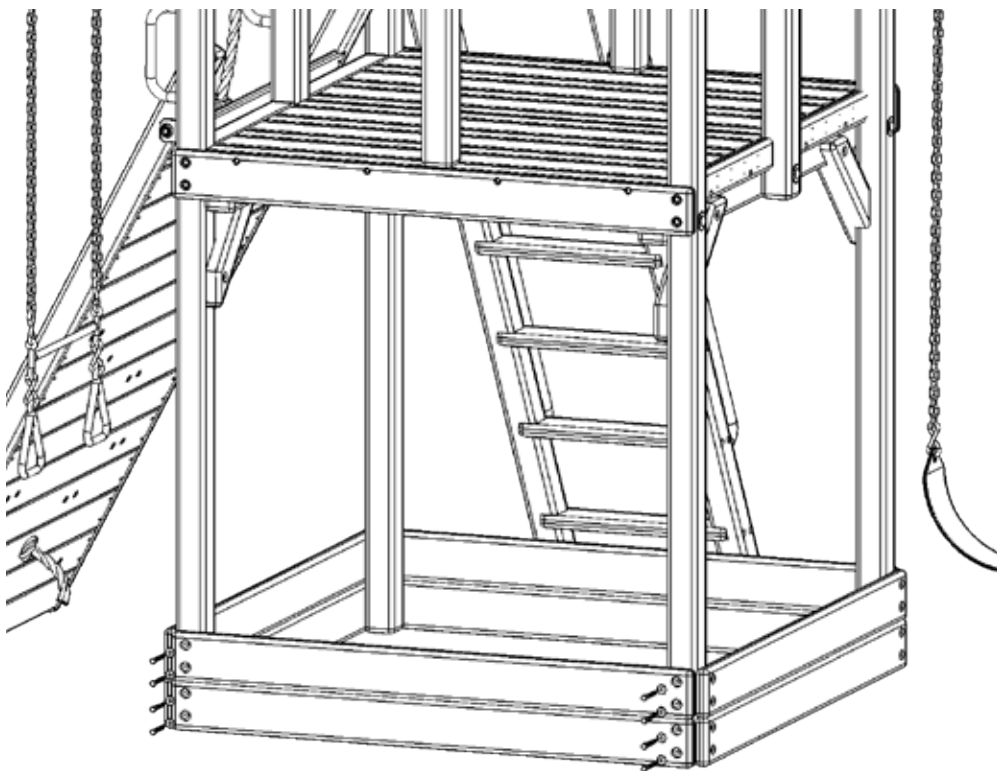
PARTS NEEDED

CC-115- 60 1/4" Picnic Support- (2)

HARDWARE NEEDED

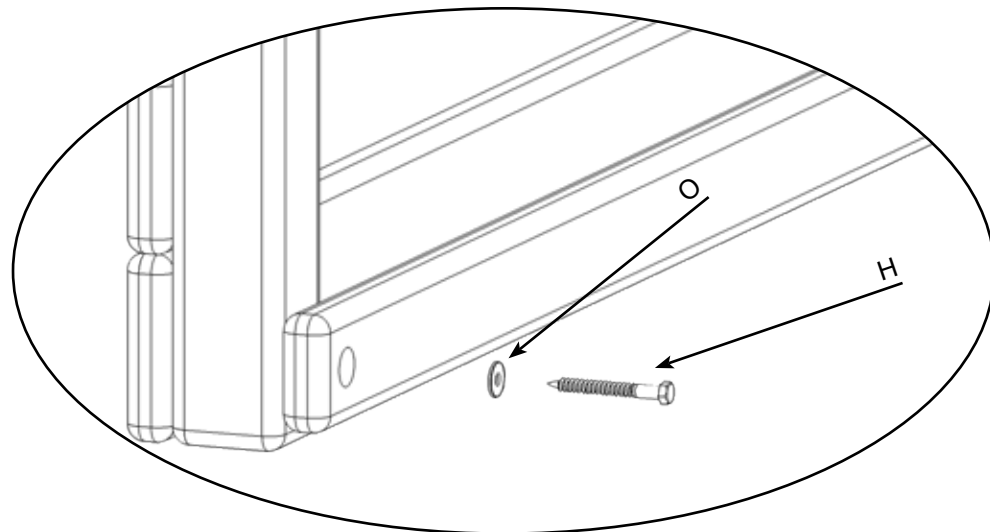
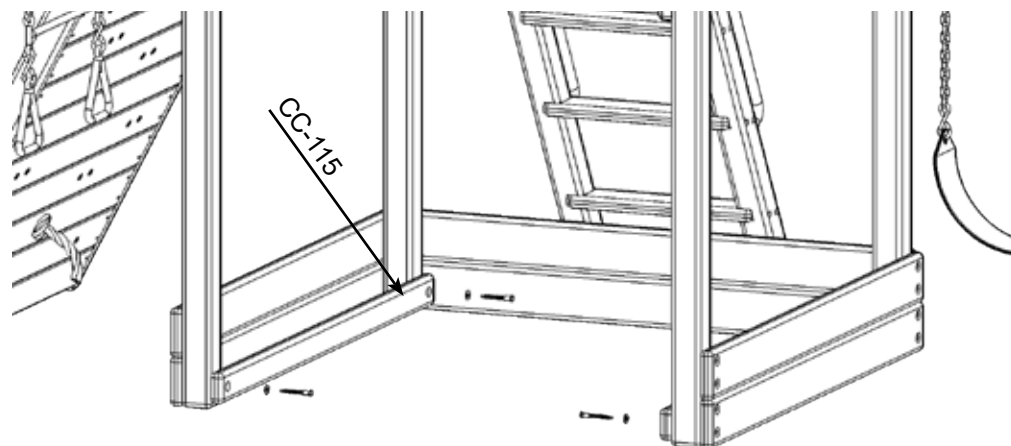
H- 3/8" x 3 1/2" Hex Lag Screw- (4)

O- 3/8" USS Flatwasher- (4)



REMOVE THE LOWER FACIA BOARDS FOR EASY ACCESS TO THE LOWER PART OF THE UNIT.

PICNIC SUPPORTS ARE 5/8" FROM GROUND TO BOTTOM OF BOARD



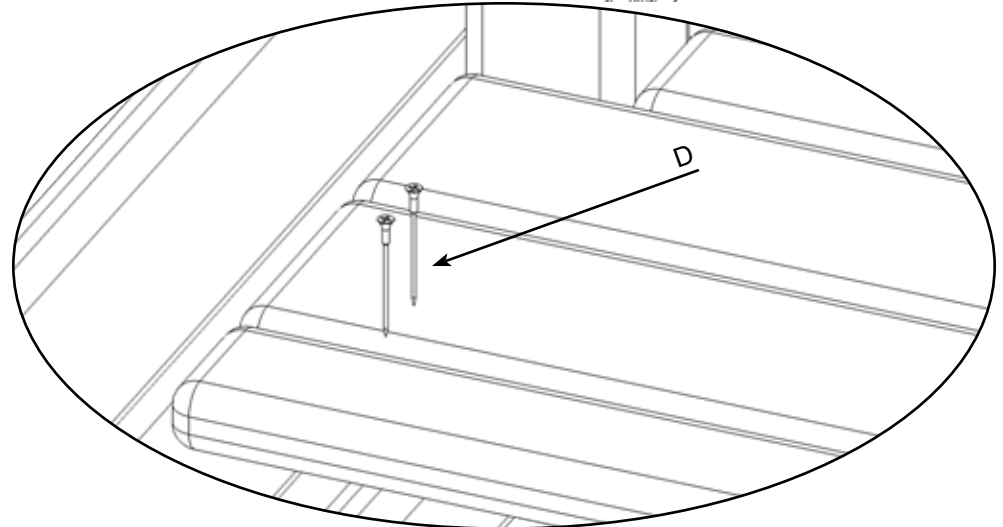
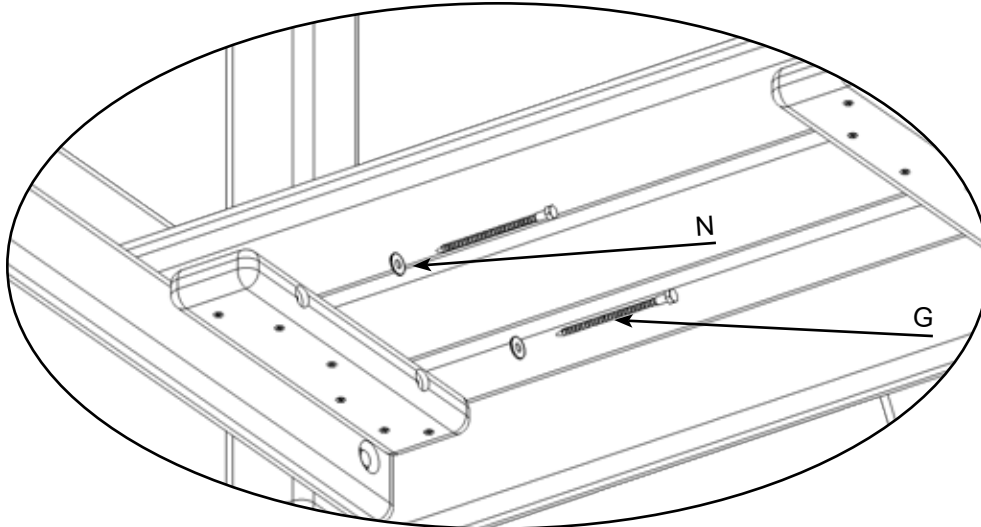
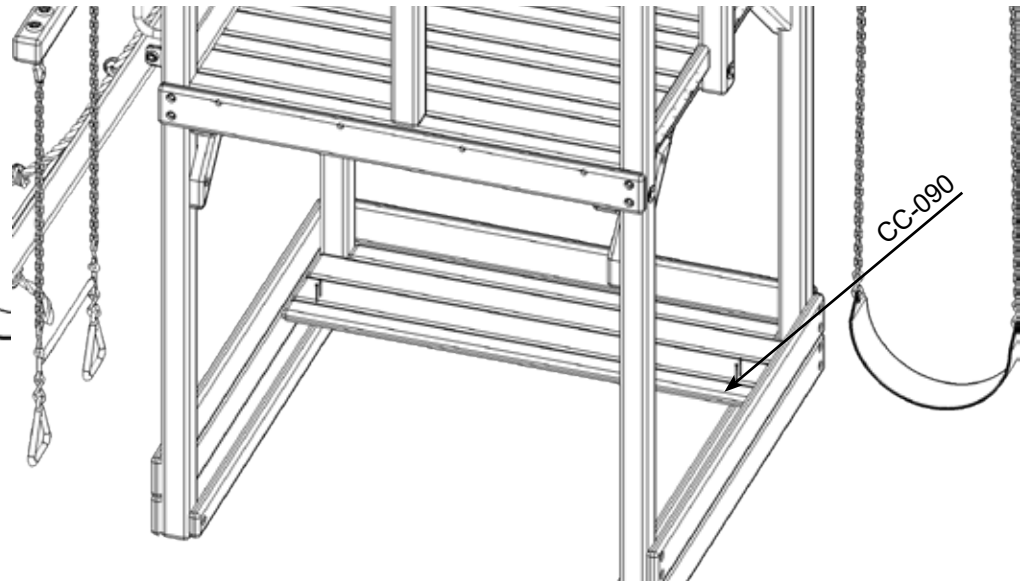
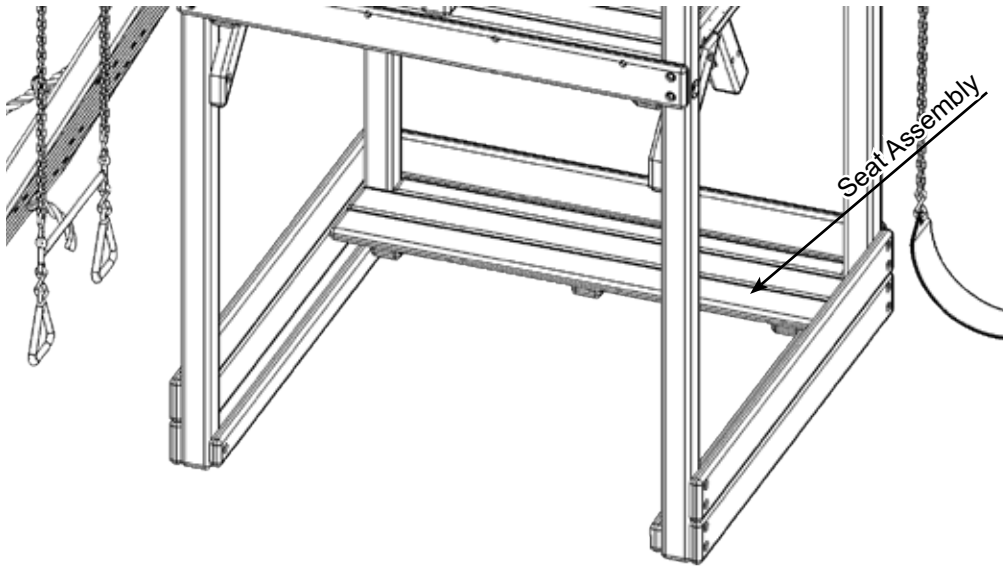
Lower Floor Install (Used Mainly For Playhouse Panels)

PARTS NEEDED

Seat Assembly- (1)
CC-090- 60 3/4" Lower Deck Filler- (1)

HARDWARE NEEDED

N- 1/4" USS Flatwasher- (4)
G- 1/4" x 4 1/2" Hex Lag Screw- (4)
D- 2 1/2" Coated Deck Screw- (4)



Lower Floor Install (Used Mainly For Playhouse Panels)

PARTS NEEDED

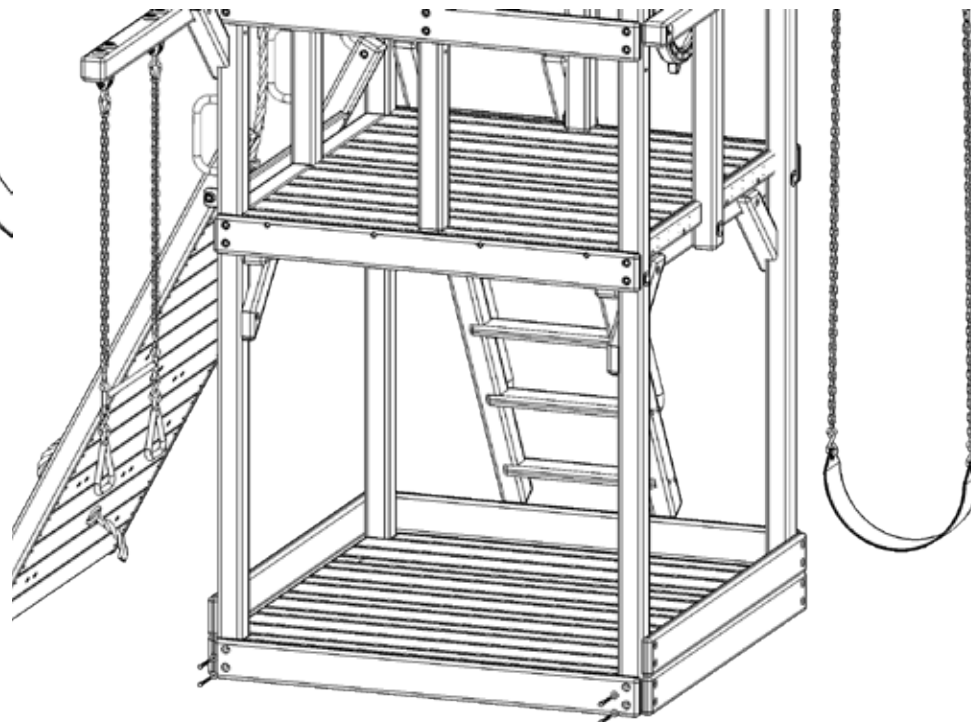
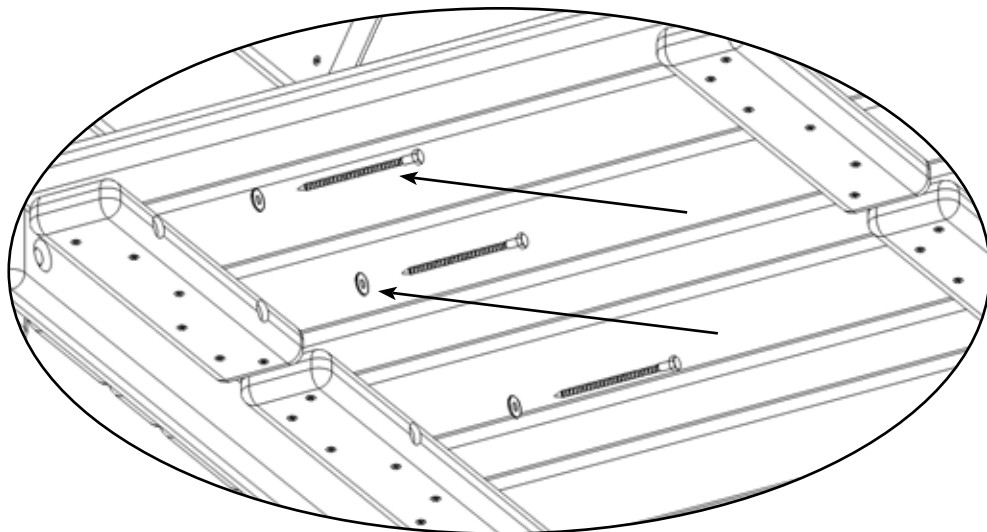
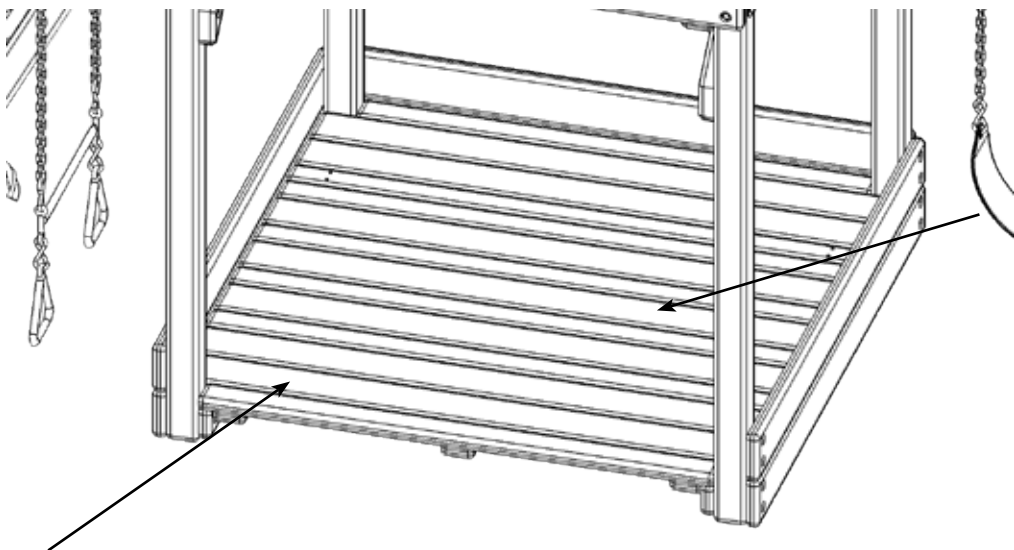
Seat Assembly-
Table Assembly-

(1)
(1)

HARDWARE NEEDED

G- 1/4" x 4 1/2" Hex Lag Screw-
N- 1/4" USS Flatwasher-

(8)
(8)



PLACE 1 OF THE OUTSIDE FACIAS BACK ON THE UNIT. THE LOWER FLOOR INSTALL IS COMPLETE AND READY FOR THE PLAYHOUSE PANEL INSTALL.

Open Rail Install

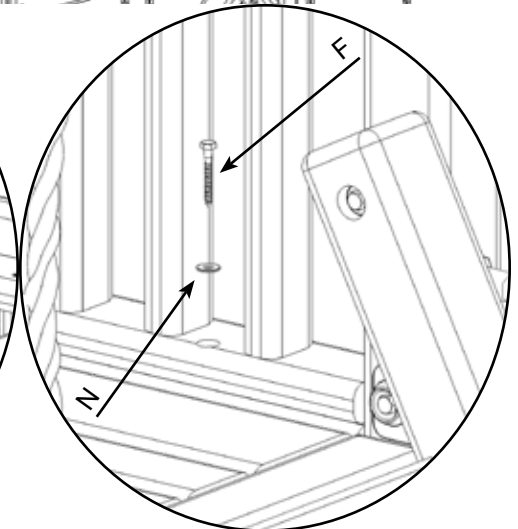
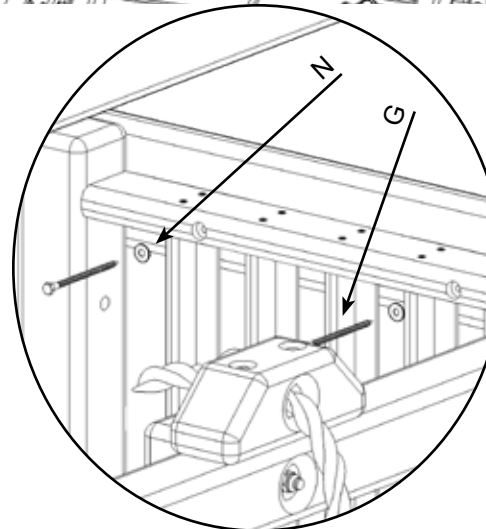
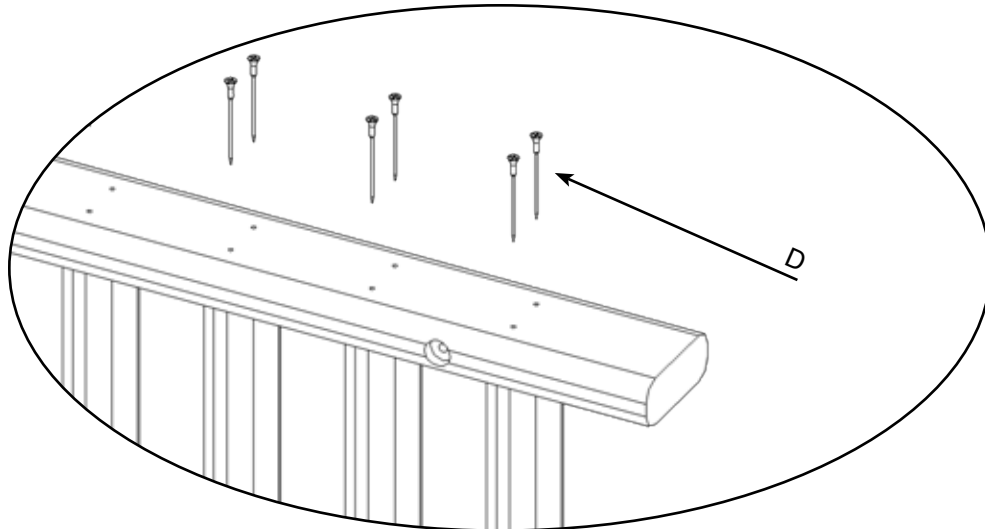
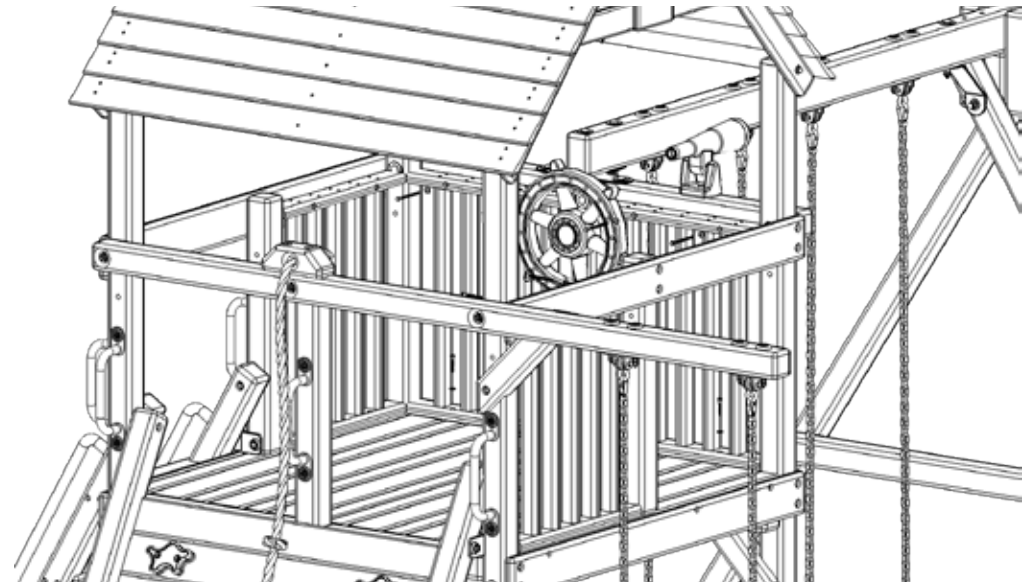
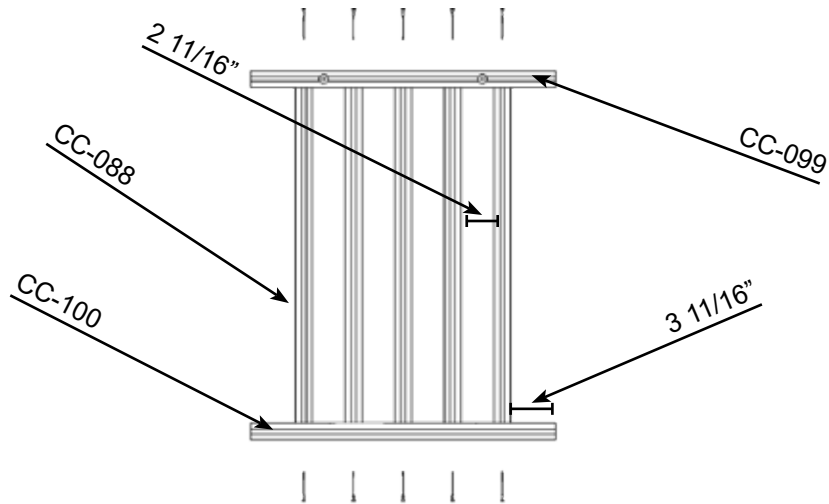
PARTS NEEDED

CC-088- 27 1/2" Rail Spindle-	(20)
CC-099- 25" Rail Top-	(4)
CC-100- 25" Rail Bottom-	(4)

HARDWARE NEEDED

D- 2 1/2" Coated Deck Screw-	(80)
N- 1/4" USS Flatwasher-	(16)
G- 1/4" x 4 1/2" Hex Lag Screw-	(8)
F- 1/4" x 3" Hex Lag Screw-	(8)

MAKE 4 RAIL ASSEMBLIES



Open Rail Install

PARTS NEEDED

Slide-

(1)

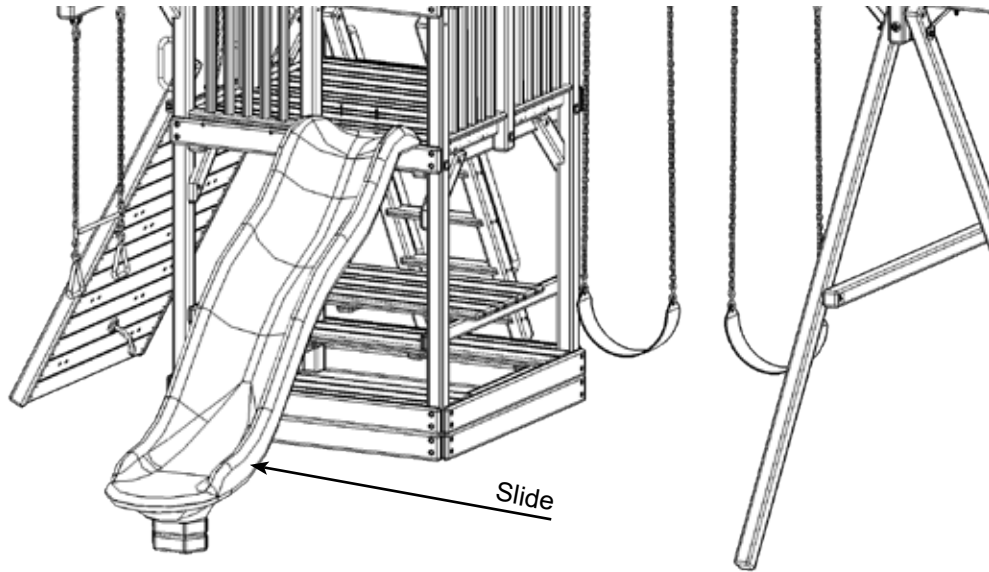
HARDWARE NEEDED

J- #14 x 2" Pan Phillips T/S-

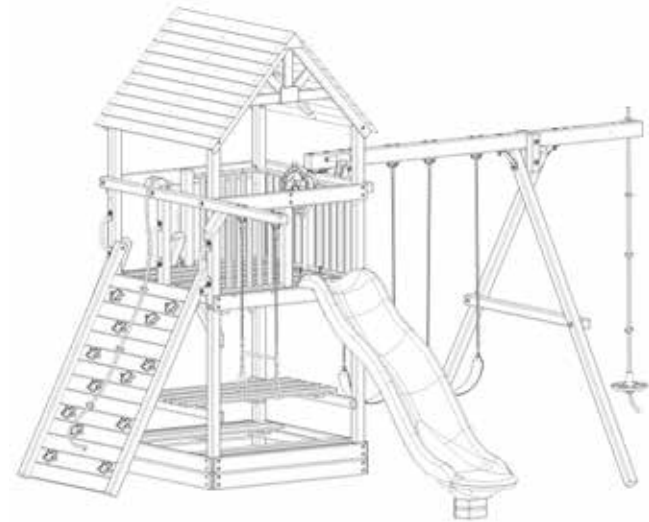
(3)

N- 1/4" USS Flatwasher-

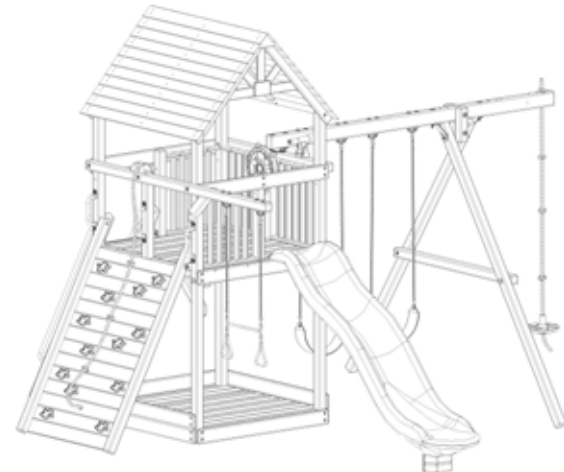
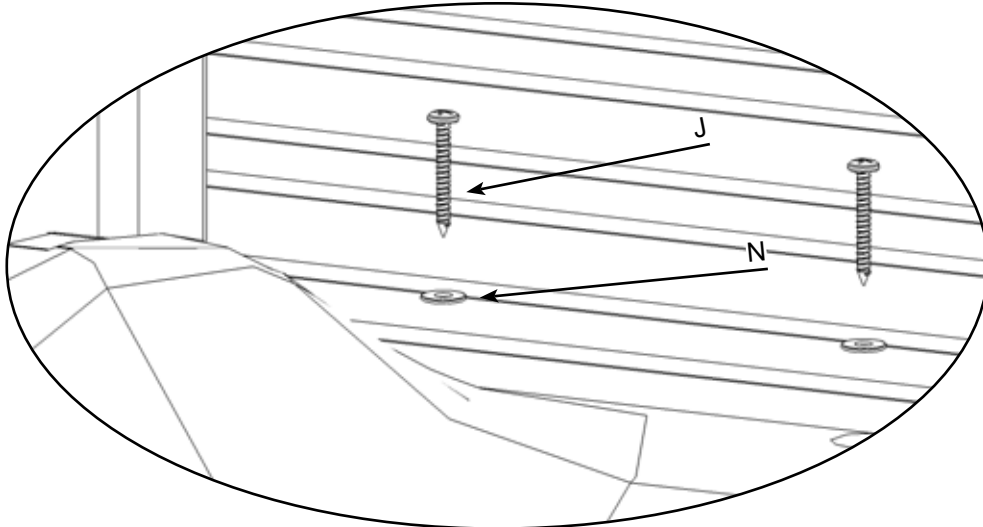
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FINISHED OPEN RAIL ASSEMBLY WITH PICNIC TABLE



FINISHED OPEN RAIL ASSEMBLY WITH LOWER FLOOR



Closed Rail Install (Used for Treehouse Install)

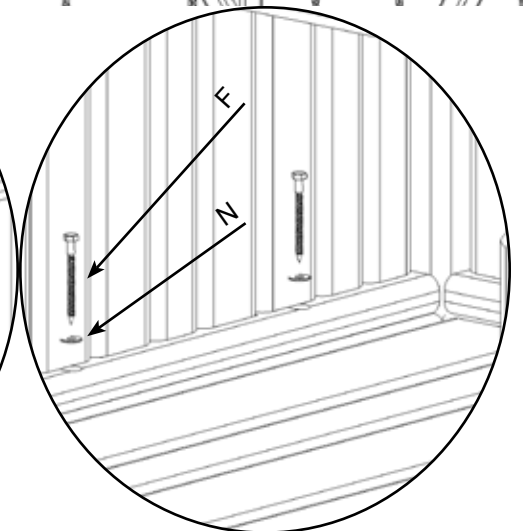
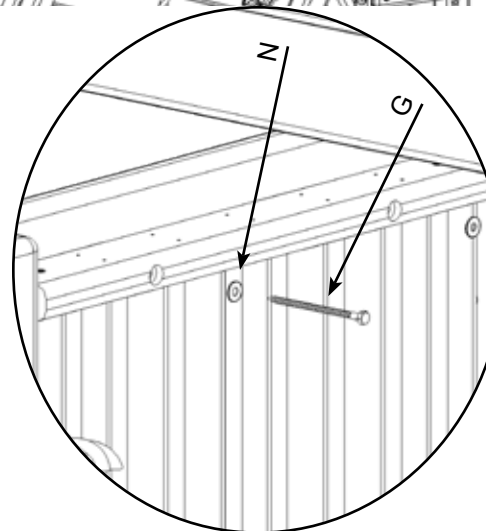
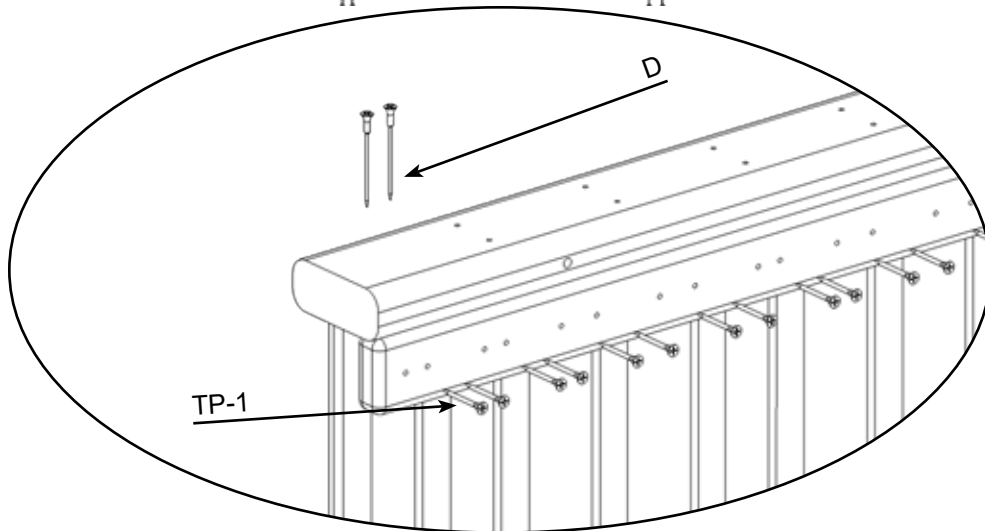
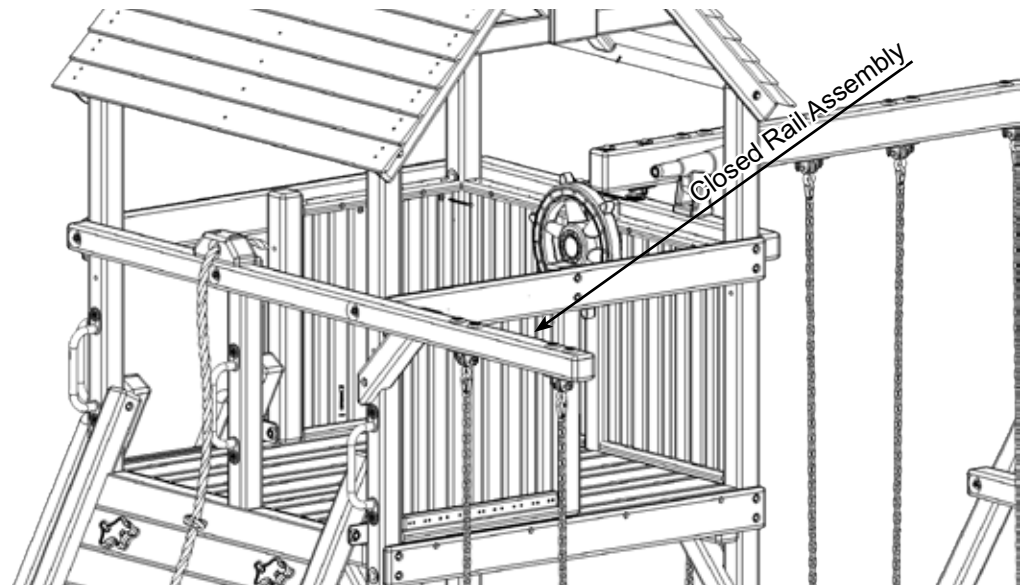
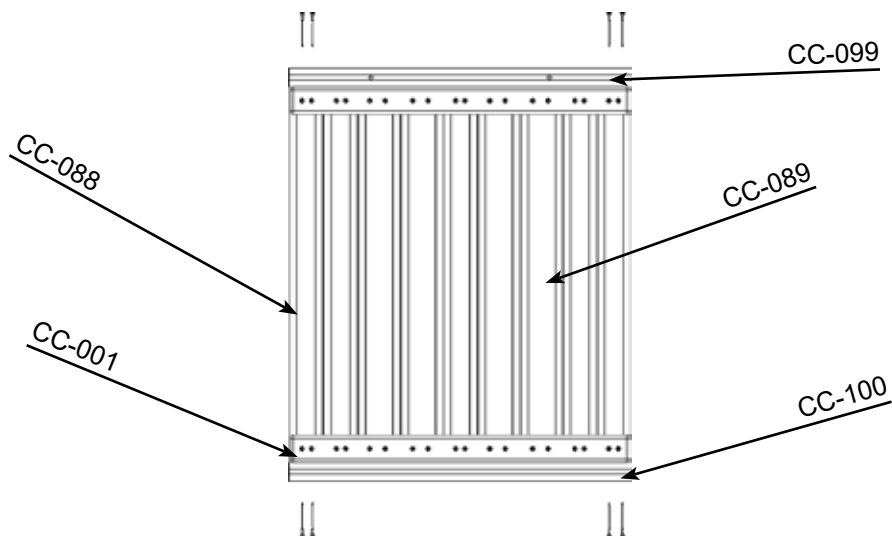
PARTS NEEDED

CC-088- 27 1/2" Rail Spindle-	(20)
CC-099- 25" Rail Top-	(4)
CC-100- 25" Rail Bottom-	(4)
CC-089- 27 1/2" Panel Filler-	(16)
CC-001- 24 13/16" Panel Filler Support-	(8)

HARDWARE NEEDED

D- 2 1/2" Coated Deck Screw-	(16)
TP-1- 1 5/8" Coated Deck Screw-	(144)

MAKE 4 CLOSED RAIL ASSEMBLIES



Closed Rail Install (Used for Treehouse Install)

PARTS NEEDED

Slide-

(1)

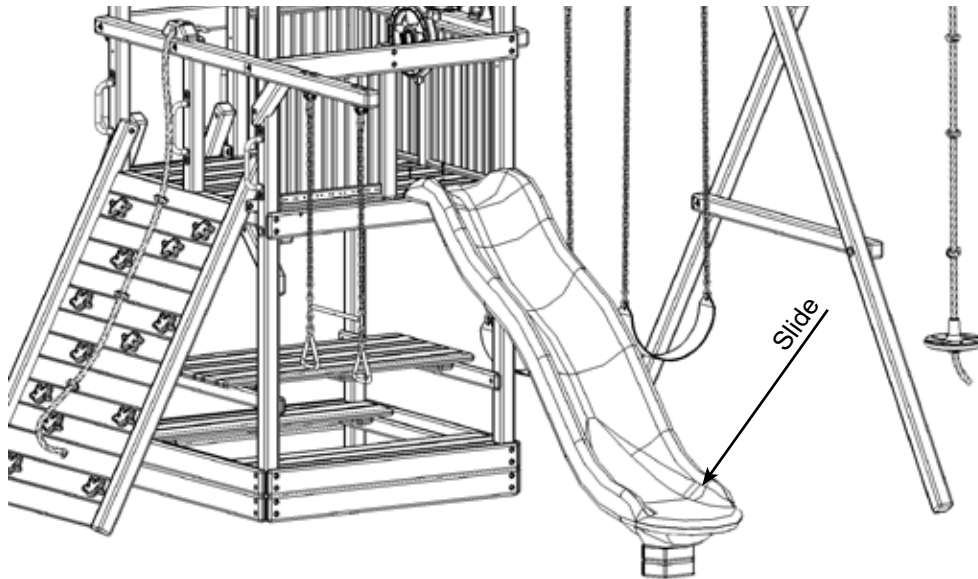
HARDWARE NEEDED

J- #14 x 2" Pan Phillips T/S-

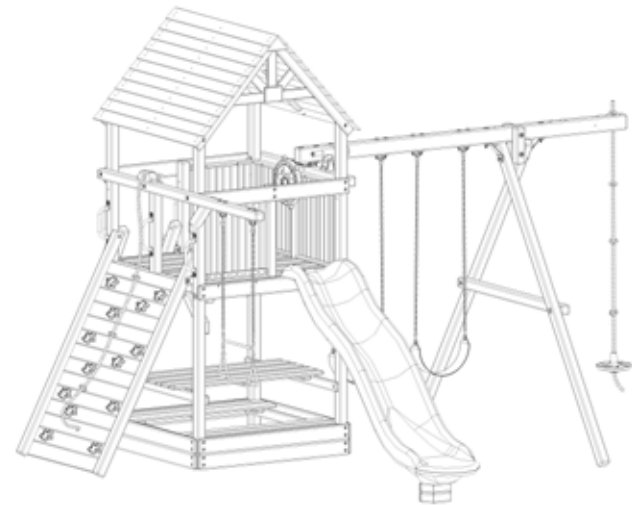
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N- 1/4" USS Flatwasher-

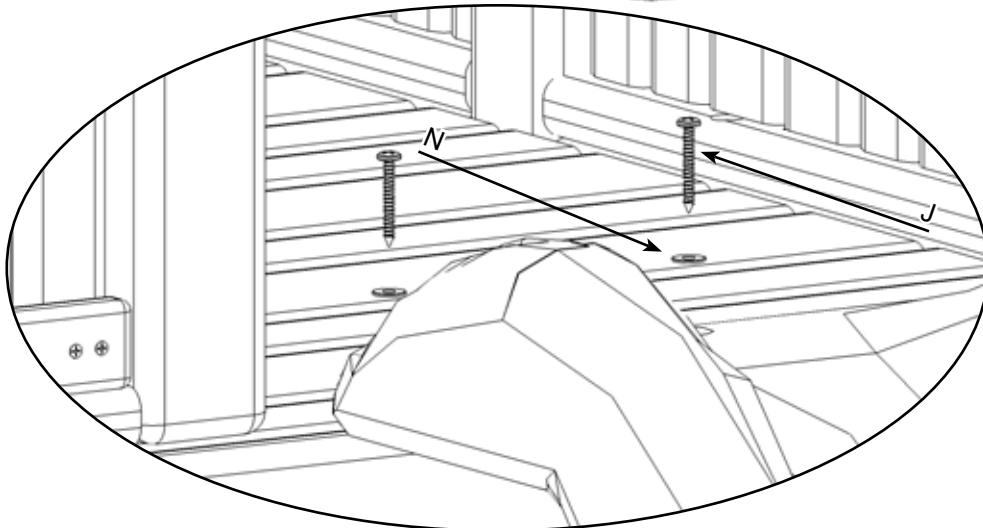
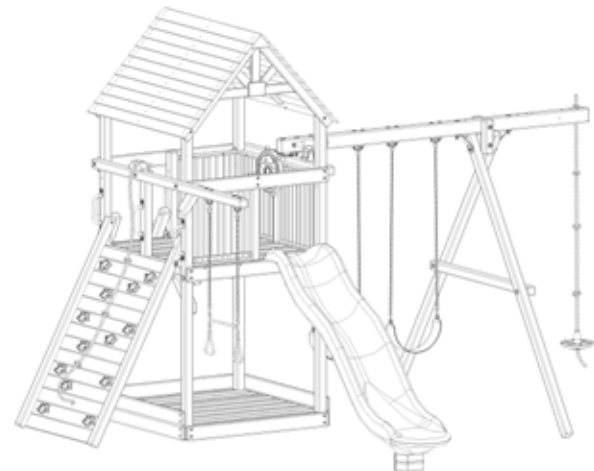
(3)



FINISHED CLOSED RAIL ASSEMBLY WITH PICNIC TABLE



FINISHED CLOSED RAIL ASSEMBLY WITH LOWER FLOOR



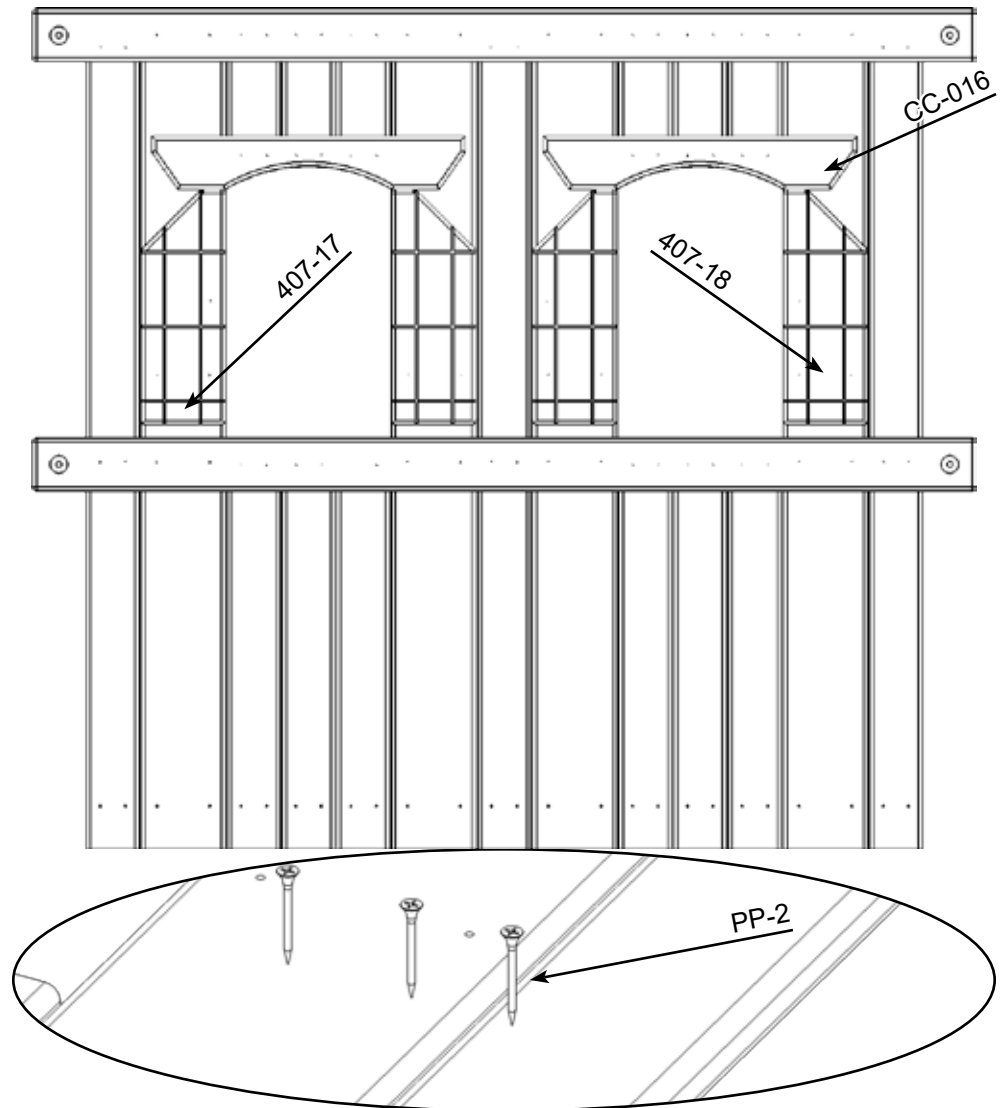
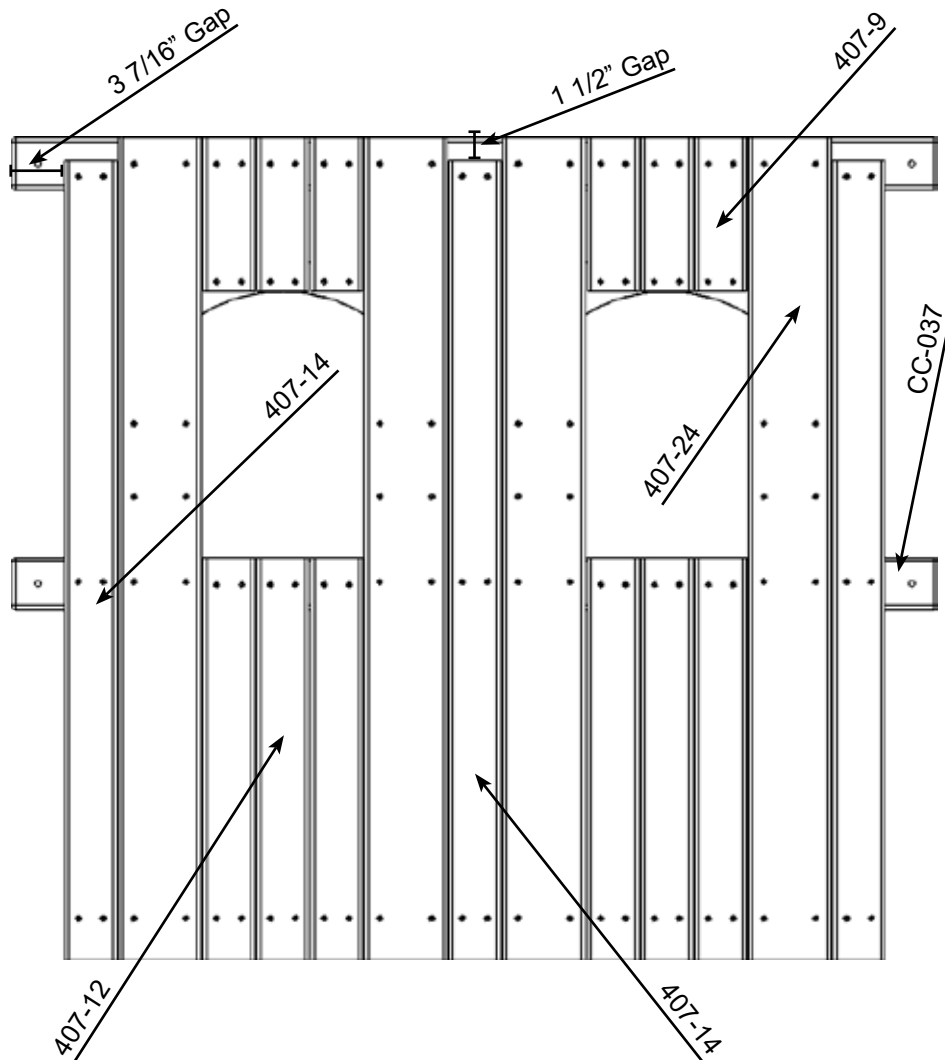
Playhouse Double Window Assembly (Make 2 Assemblies)

PARTS NEEDED

407-14- 55 13/16" Panel End Board-	(6)	407-12- 26 1/4" Lower Board-	(12)
407-24- 57 5/16" Playhouse Shutter Board-	(8)	407-9- 13 11/16" Above Window Filler-	(12)
407-17- 15" Playhouse Left Shutter-	(4)	407-18- 15" Playhouse Right Shutter-	(4)
CC-016- 20" Playhouse Window Arch-	(4)		

HARDWARE NEEDED

PP-2- 1 5/8" Coated Deck Screw-	(80)
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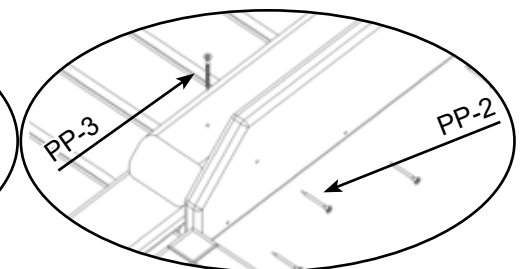
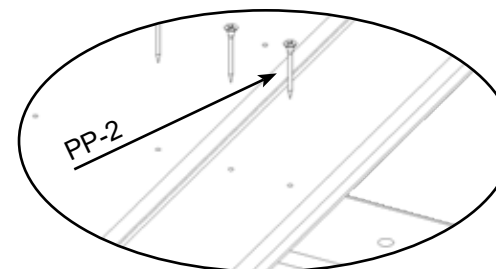
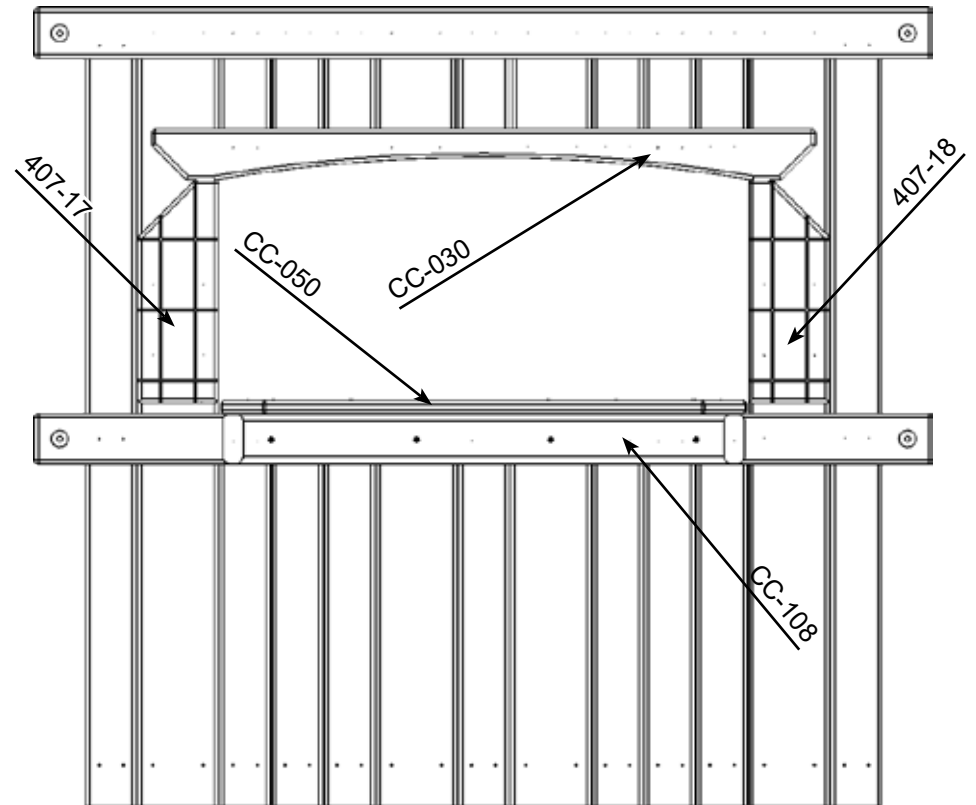
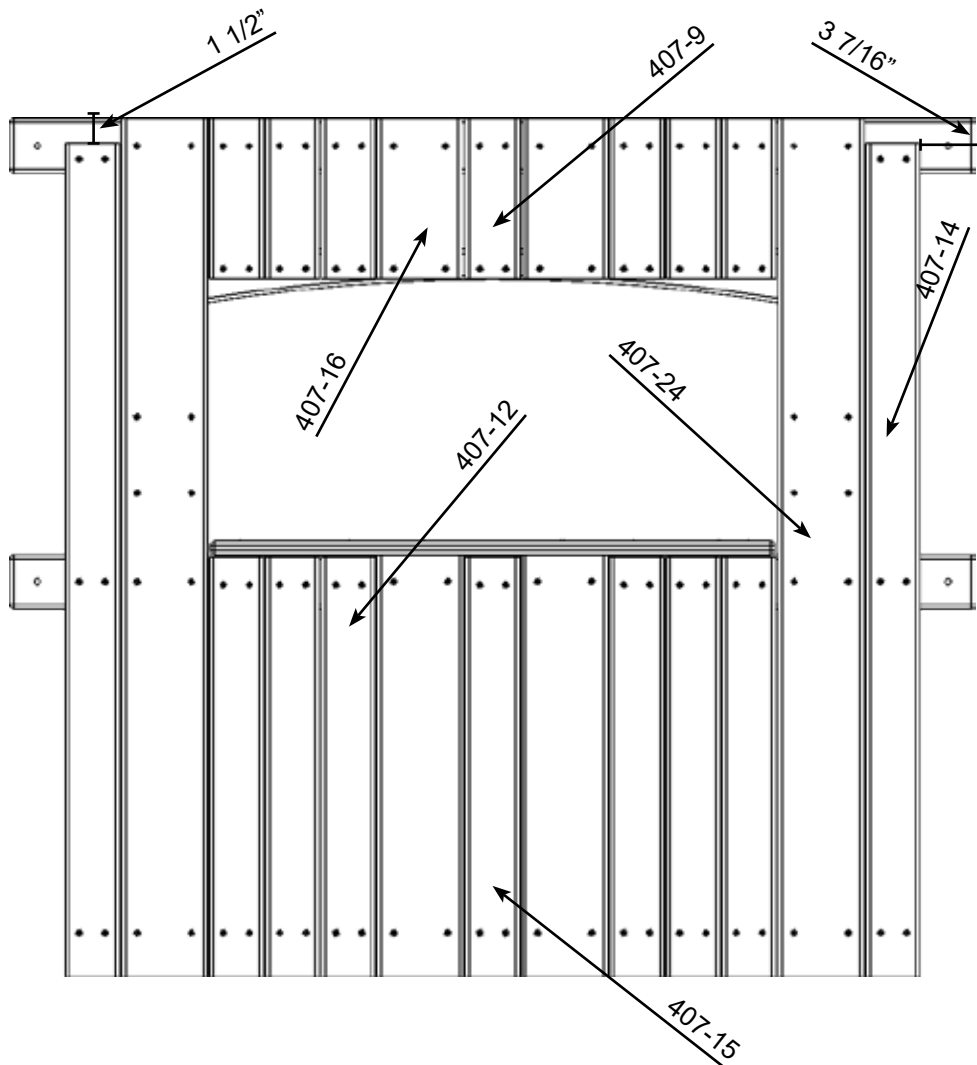
Playhouse Store Assembly

PARTS NEEDED

407-16- 13 11/16" Store Upper Wide Filler-	(2)	407-9- 13 11/16" Above Window Filler-	(7)
407-12- 26 1/4" Lower Board-	(6)	407-24- 57 5/16" Playhouse Shutter Board-	(2)
407-14- 55 13/16" Panel End Board-	(2)	407-15- 26 3/8" Store Lower Center Filler-	(1)
407-17- 15" Playhouse Left Shutter-	(1)	407-18- 15" Playhouse Right Shutter-	(1)
CC-030- 44 1/2" Store Arch-	(1)	CC-050- 35 1/4" Playhouse Store Counter-	(1)
CC-0108- 35" Store Support Counter-	(1)		

HARDWARE NEEDED

PP-2- 2" Coated Deck Screw-	(4)
PP-1- 1 5/8" Coated Deck Screw-	(78)



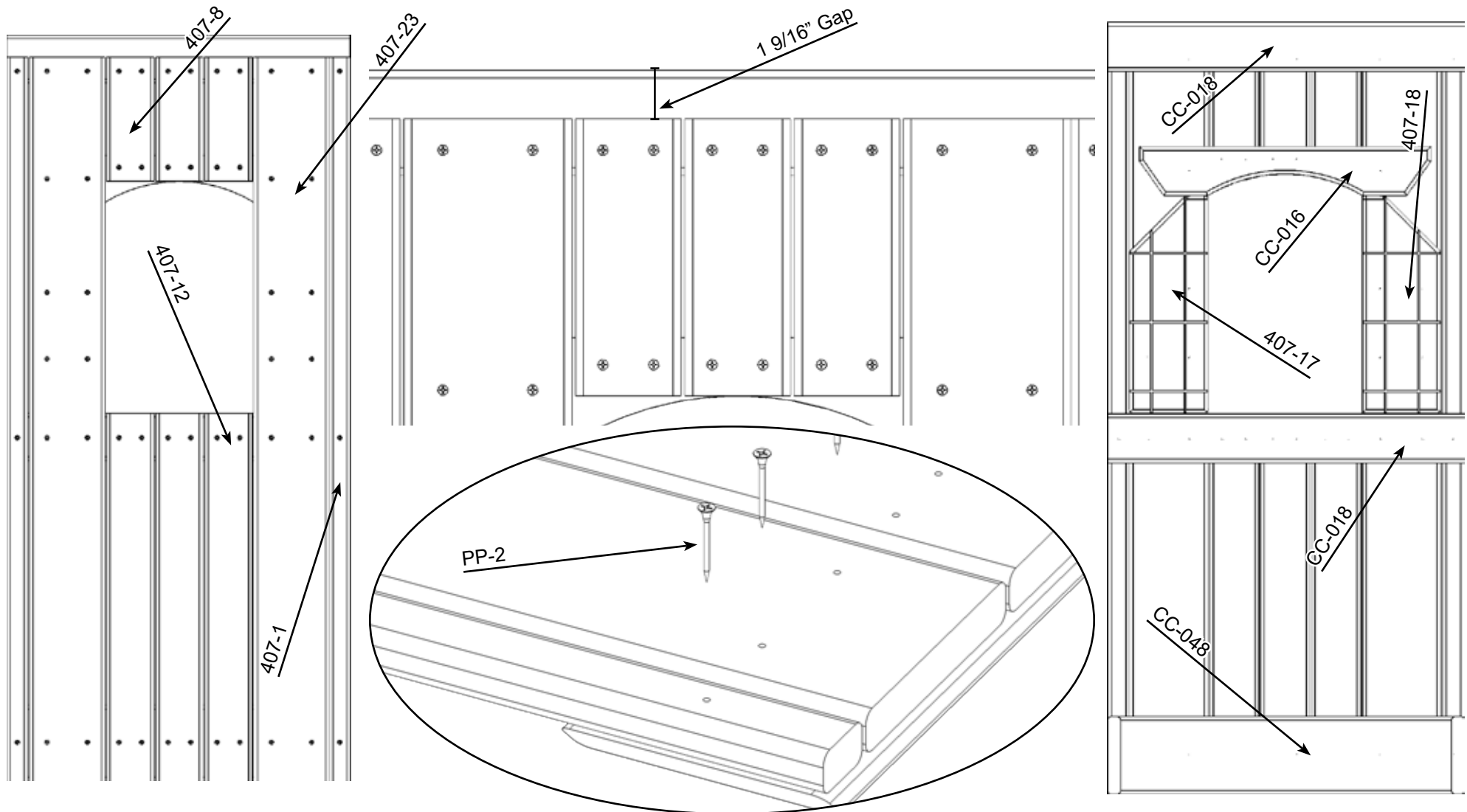
Playhouse Door Panel Assembly

PARTS NEEDED

407-8- 12 9/16" Upper Door Filler-	(3)	407-23- 55 3/8" Door Large Board-	(2)
407-12- 26 1/4" Lower Door Board-	(3)	407-1- 55 3/8" Slim Door Board-	(2)
CC-018- 24 1/2" Door Cross Piece-	(2)	CC-016- 20" Playhouse Arch-	(1)
CC-048- 24 1/2" Large Door Bottom Angled-	(1)	CC-17- 15" Playhouse Left Shutter-	(1)
407-8- 15" Playhouse Right Shutter-	(1)		

HARDWARE NEEDED

PP-2- 1 5/8" Coated Deck Screw-	(54)
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Door Side Panel

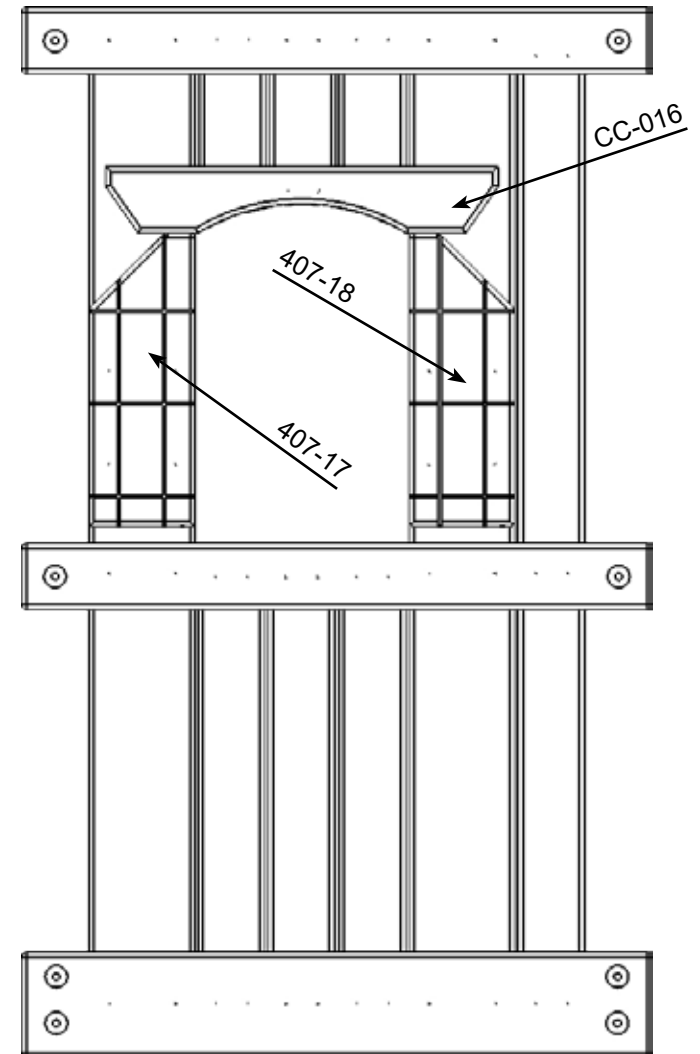
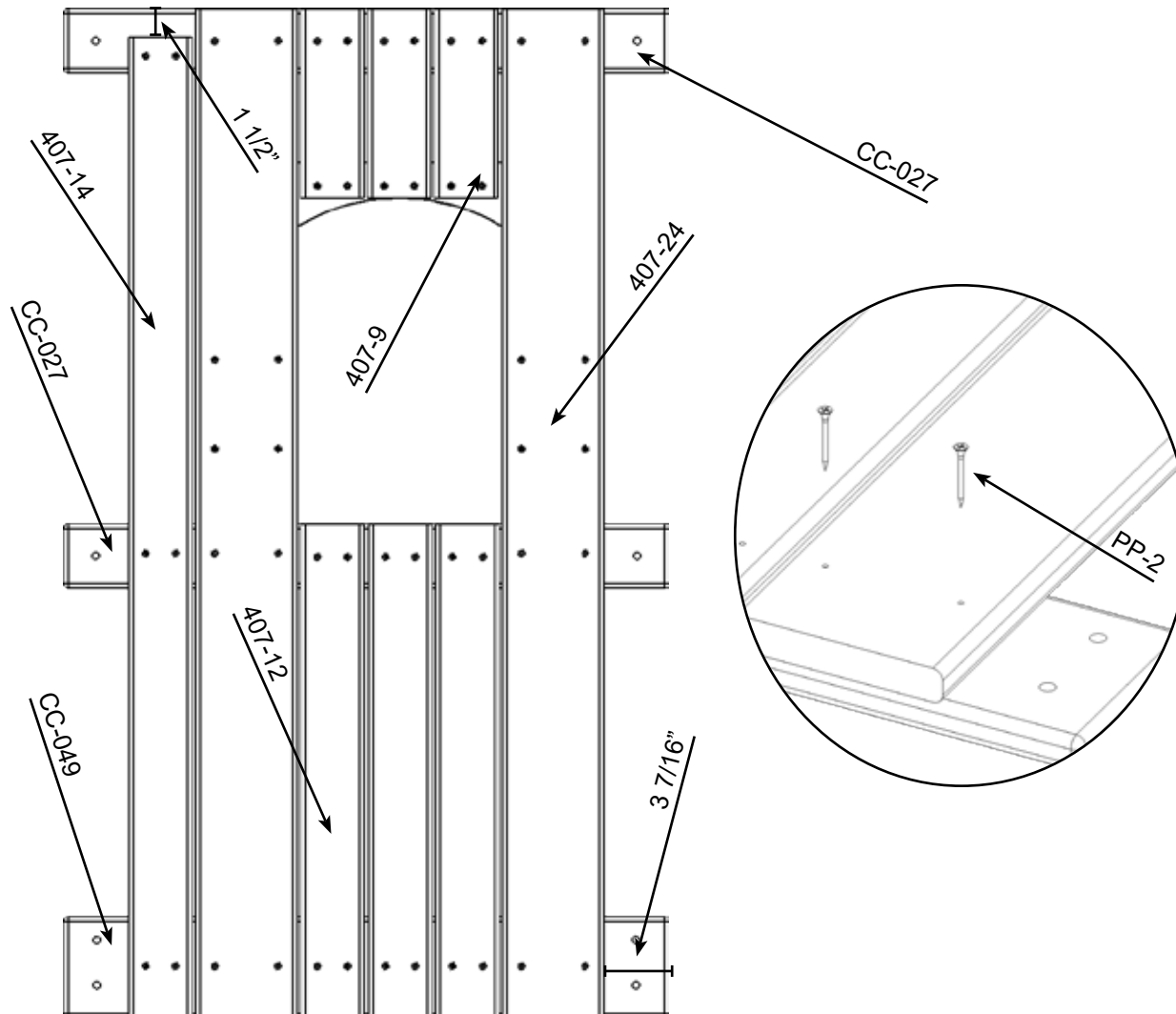
PARTS NEEDED

407-14- 55 13/16" Panel End Board-
 407-9- 13 11/16" Above Window Filler-
 407-12- 26 1/4" Lower Panel Board-
 CC-016- 20" Playhouse Window Arch-
 407-18- 15" Playhouse Right Shutter-

(1) CC-027- 32 1/8" Door Side Cross Facia-
 (3) 407-24- 57 5/16" Playhouse Shutter Board-
 (3) CC-049- 32 1/8" Large Lower Side Door Crosspiece-
 (1) 407-17- 15" Playhouse Left Shutter-
 (1)

HARDWARE NEEDED

(2) PP-2- 1 5/8" Coated Deck Screw- (50)
 (2)
 (1)
 (1)



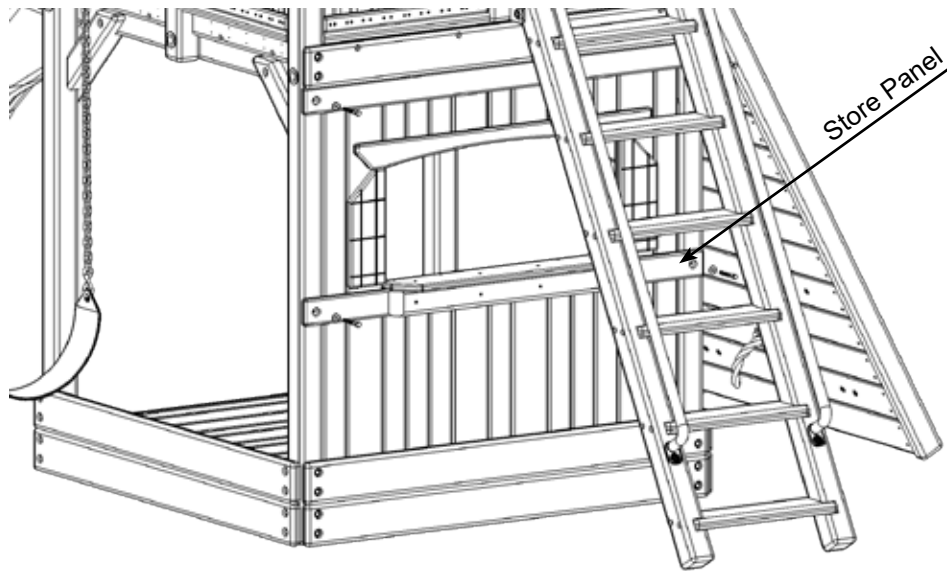
Playhouse Panel Install

PARTS NEEDED

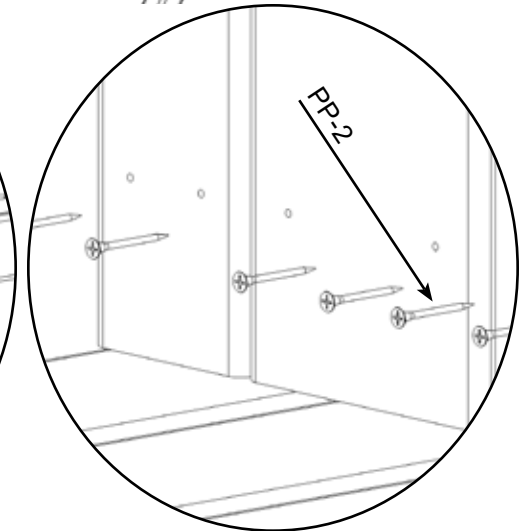
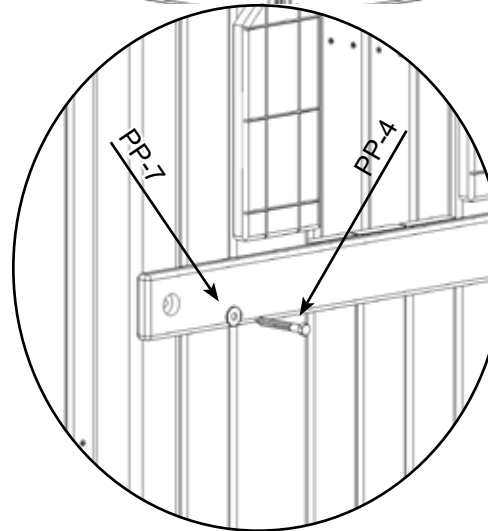
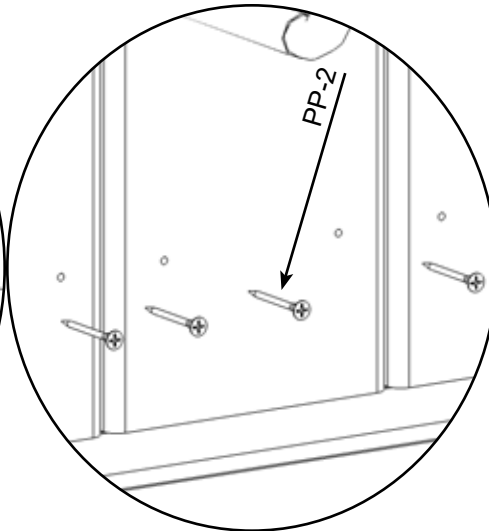
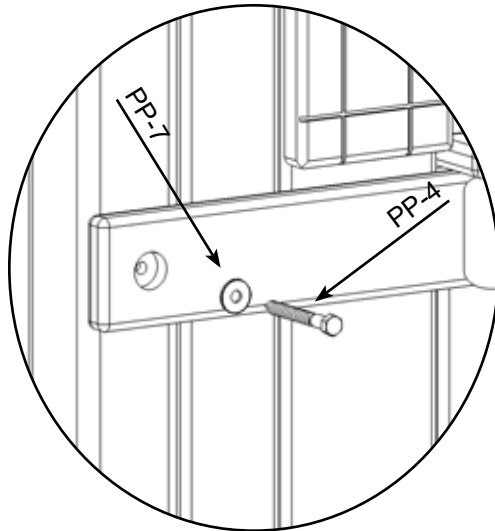
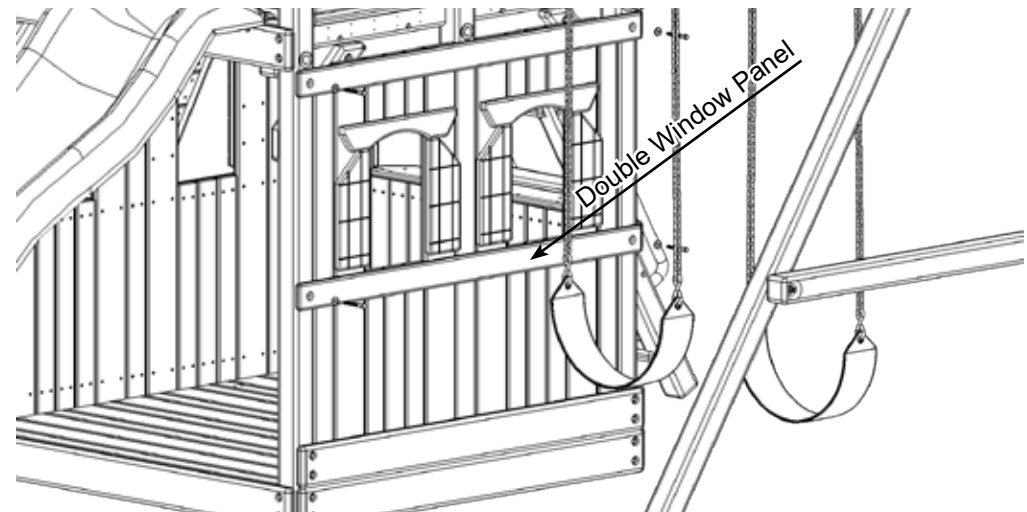
Store Panel- (1)
Double Window Panel- (1)

HARDWARE NEEDED

PP-7- 3/8" USS Flatwasher- (8)
PP-4- 3/8" x 3 1/2" Hex Lag Screw- (8)
PP-2- 1 5/8" Coated Deck Screw- (52)



REPEAT FOR ROCKWALL SIDE



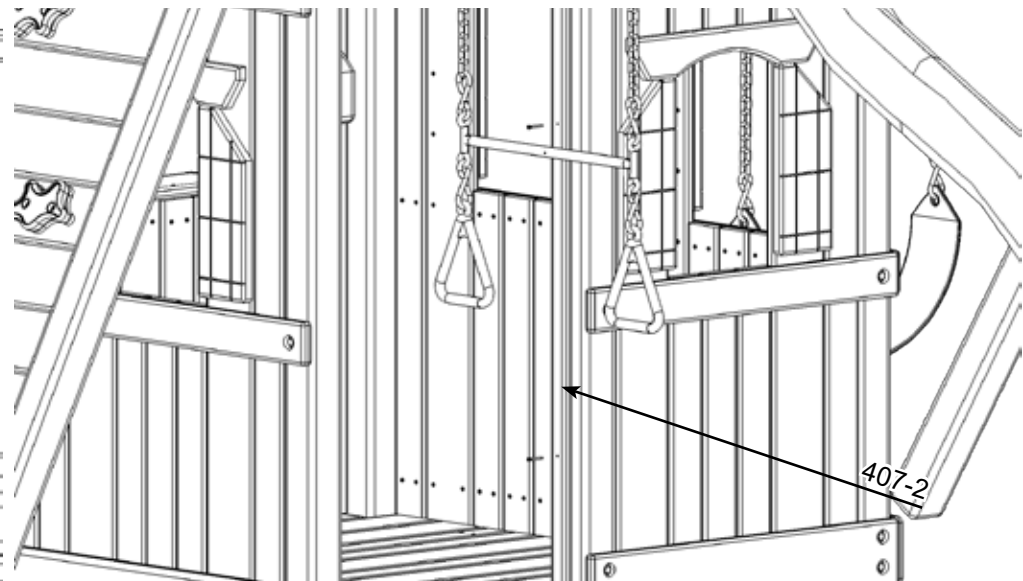
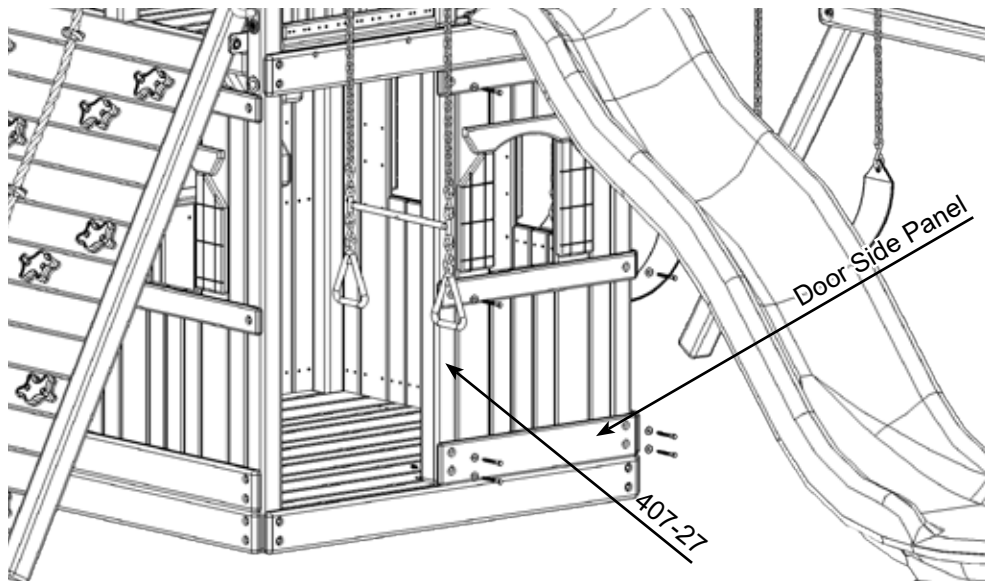
Playhouse Panel Install

PARTS NEEDED

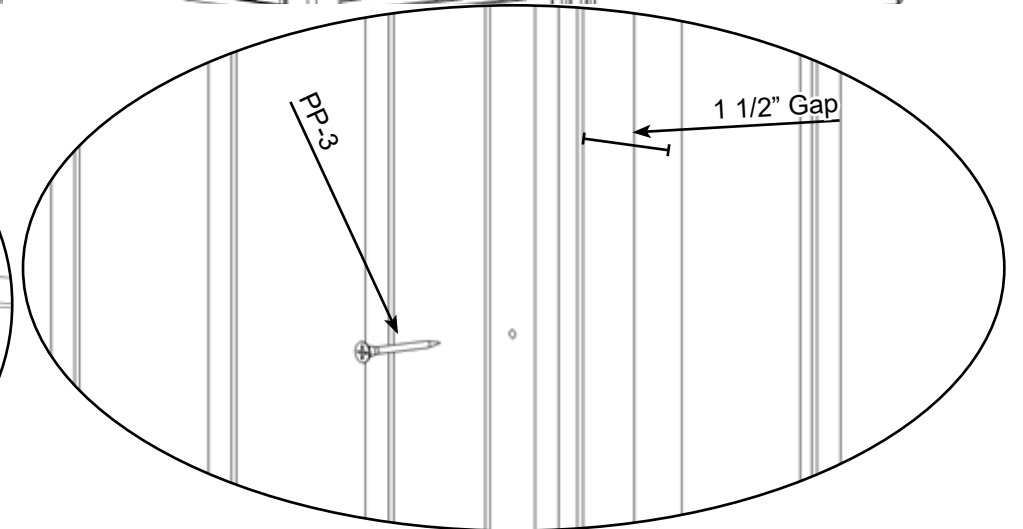
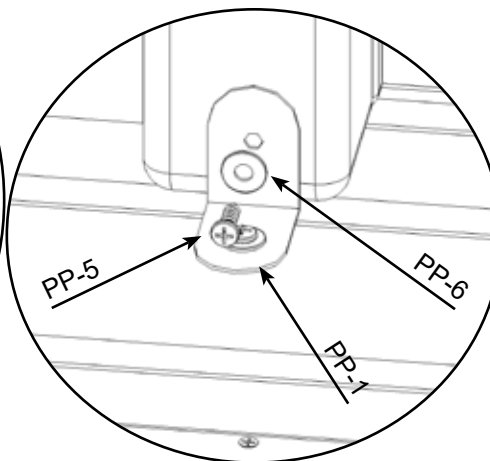
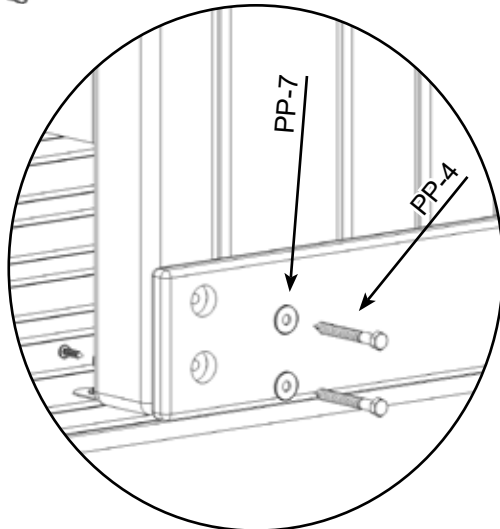
Door Side Panel-	(1)
407-27- 59 11/16" Playhouse Panel Upright-	(1)
407-2- 55 3/4" Door Stop-	(1)

HARDWARE NEEDED

PP-1- 90 Degree Bracket-	(2)
PP-7- 3/8" USS Flatwasher-	(8)
PP-4- 3/8" x 3 1/2" Hex Lag Screw-	(8)
PP-5- #14 x 1" Pan Phillips T/S-	(4)
PP-6- 1/4" USS Flatwasher-	(4)
PP-3- 2" Coated Deck Screw-	(4)



TOP AND BOTTOM OF UPRIGHT



Playhouse Panel Install

PARTS NEEDED

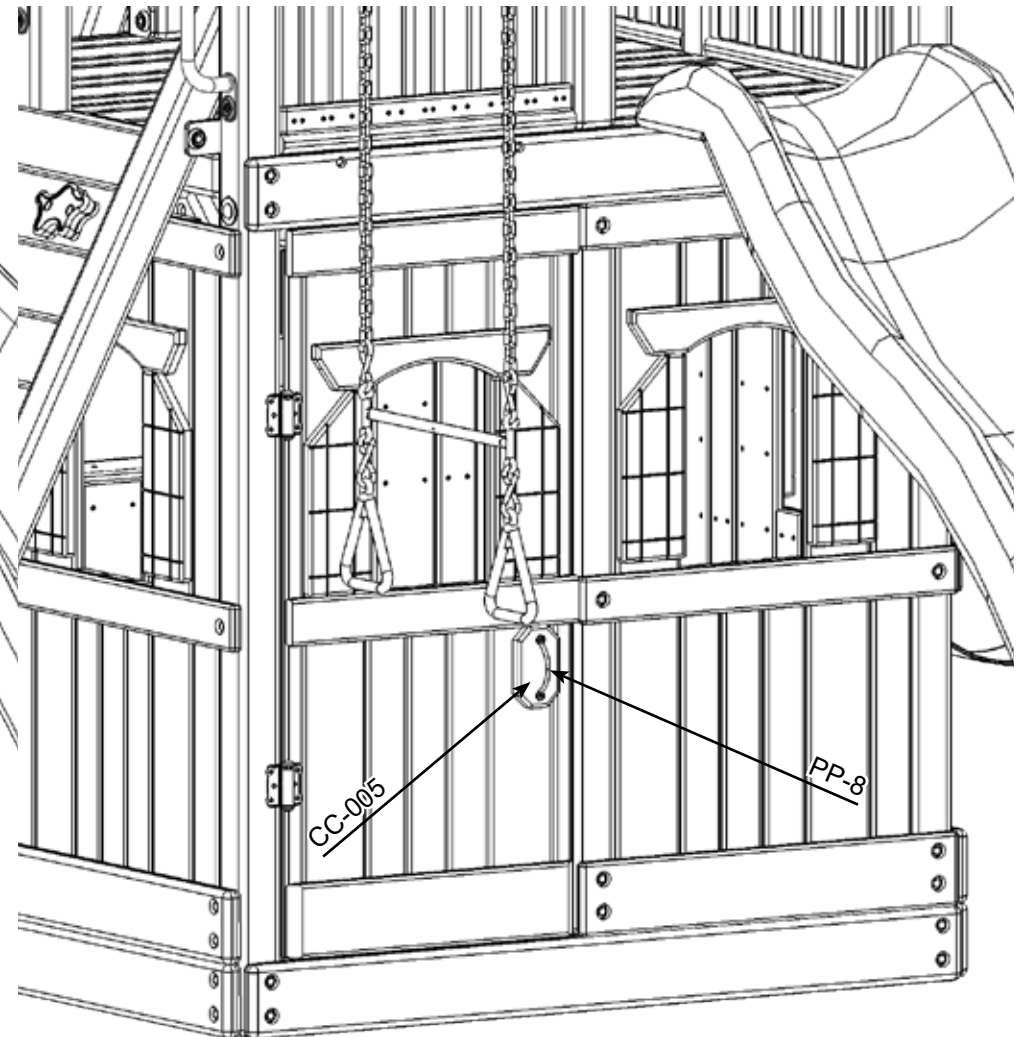
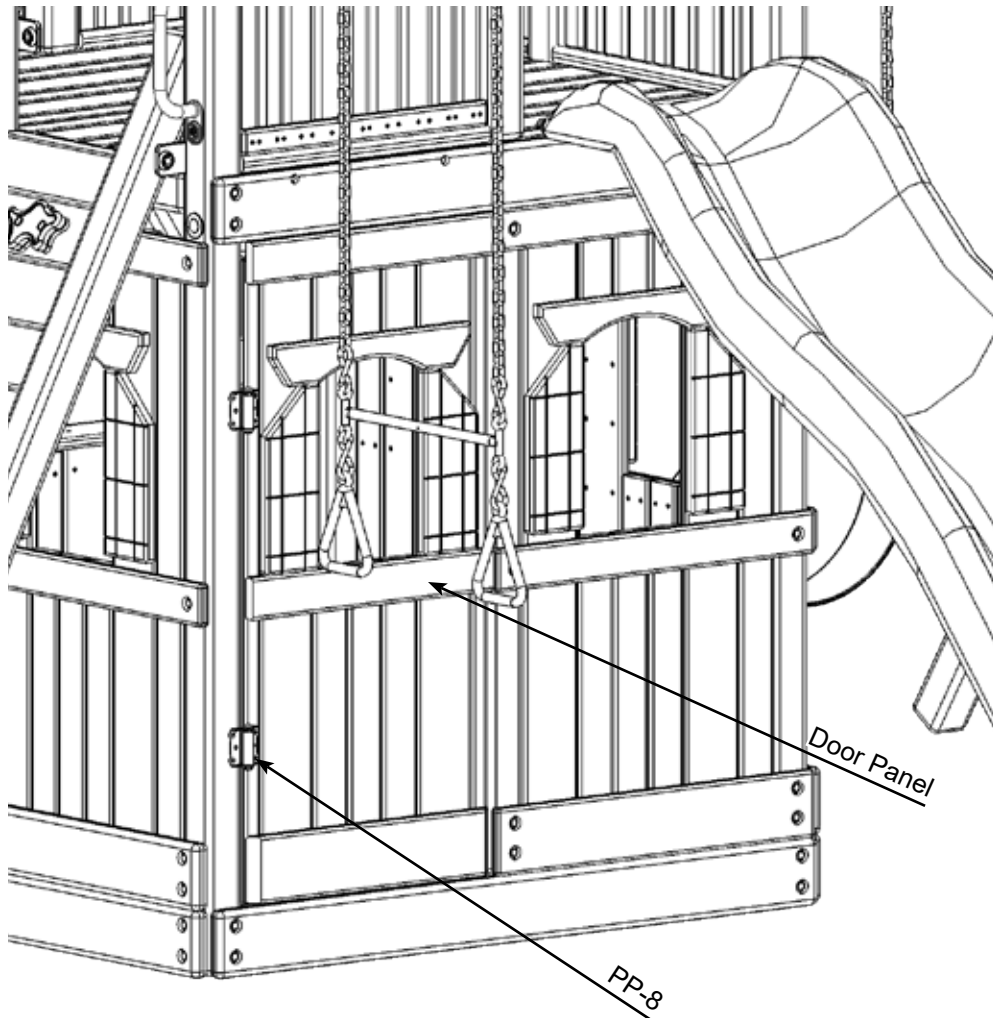
CC-005- 6" Door Knob Plate-

(1)

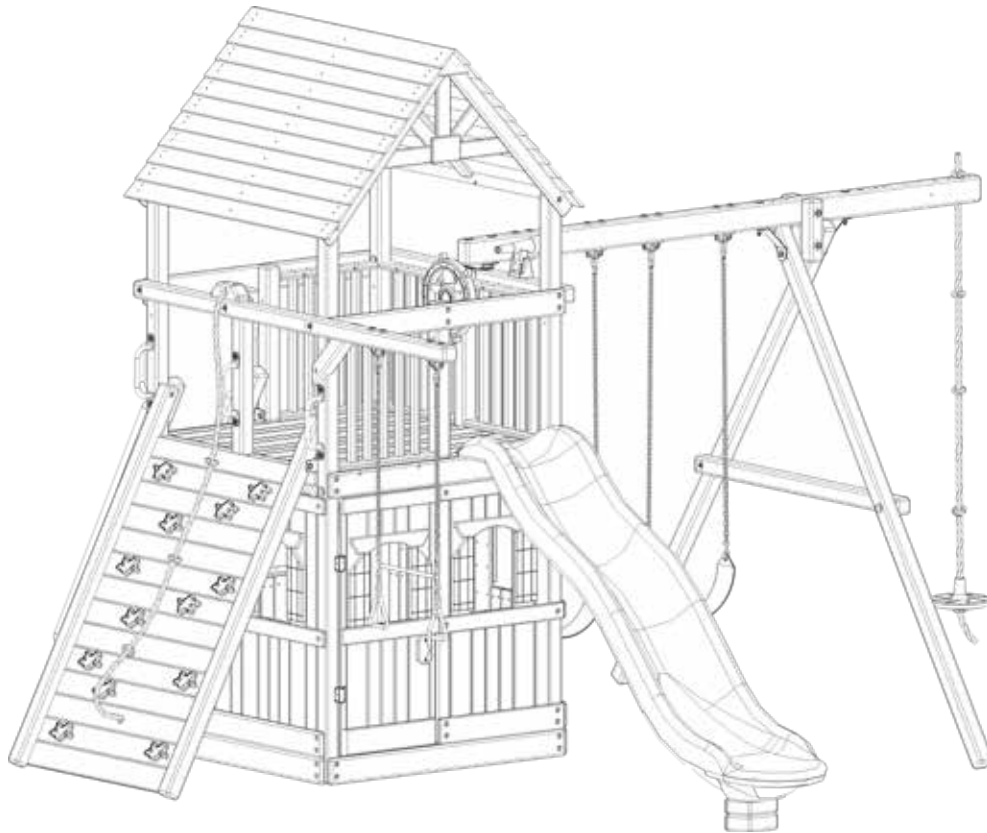
HARDWARE NEEDED

PP-8- Hinge w/ Handles and Screws-

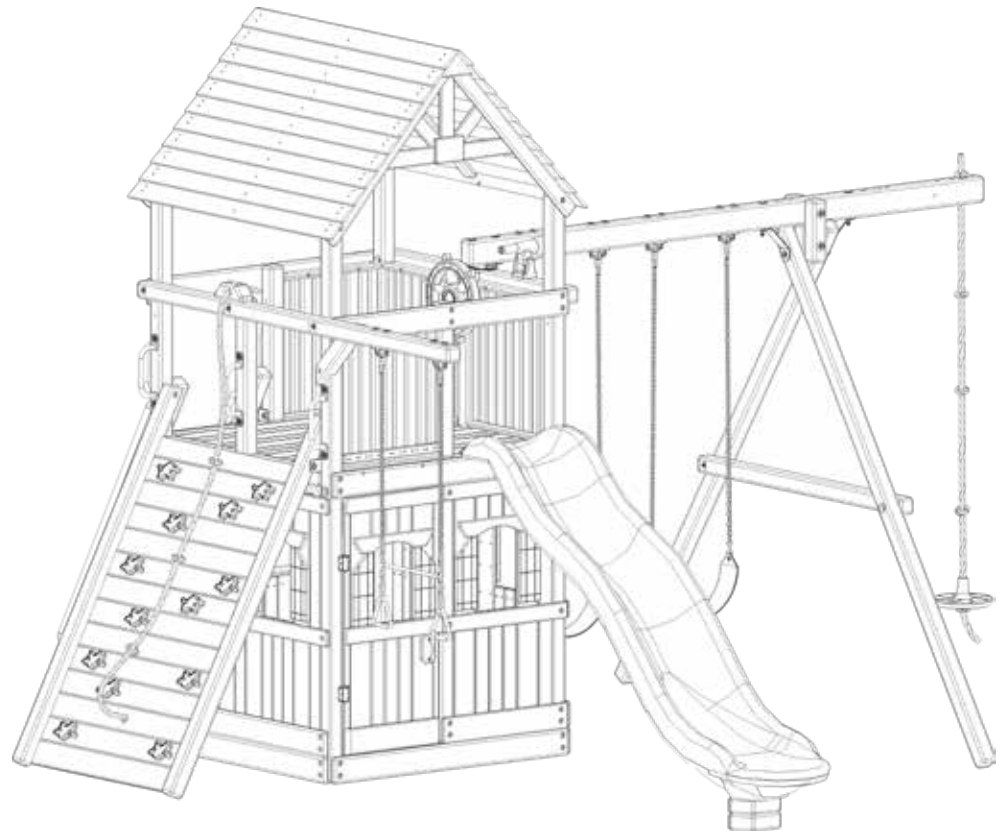
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Finished Playhouse Install with Open Rails



Finished Playhouse Install with Closed Rails



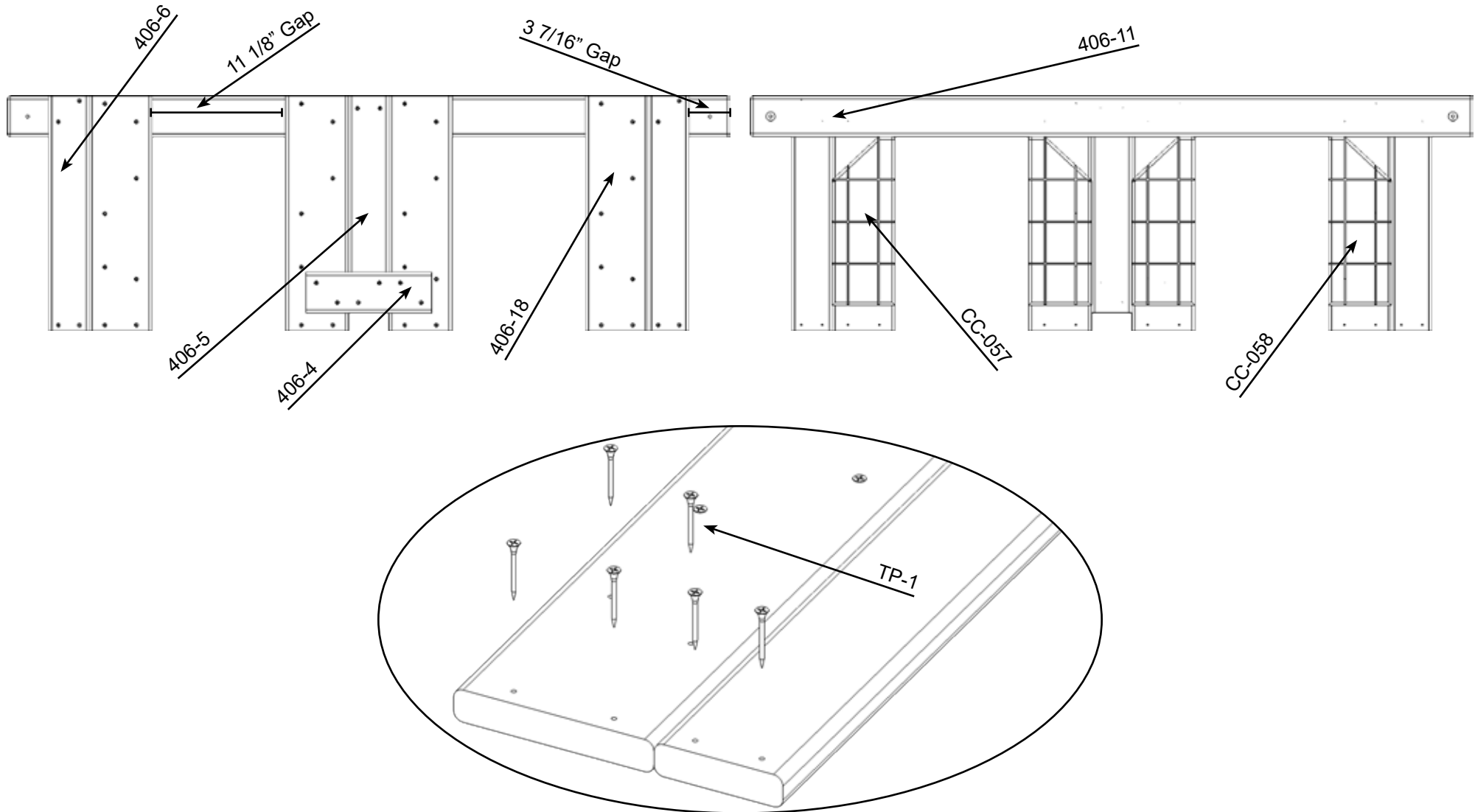
Rockwall Side Treehouse Panel

PARTS NEEDED

406-6- 19 1/2" Side Panel End Board-	(2)	406-5- 18" Side Center Panel Board-	(1)
406-4- 10 1/2" Side Center Holder-	(1)	406-18- 19 1/2" Side Shutter Board-	(4)
406-11- 60 1/4" Side Facia-	(1)	CC-057- 14" Side Left Shutter-	(2)
CC-058- 14" Side Right Shutter-	(2)		

HARDWARE NEEDED

TP-1- 1 1/2" Coated Deck Screw-	(36)
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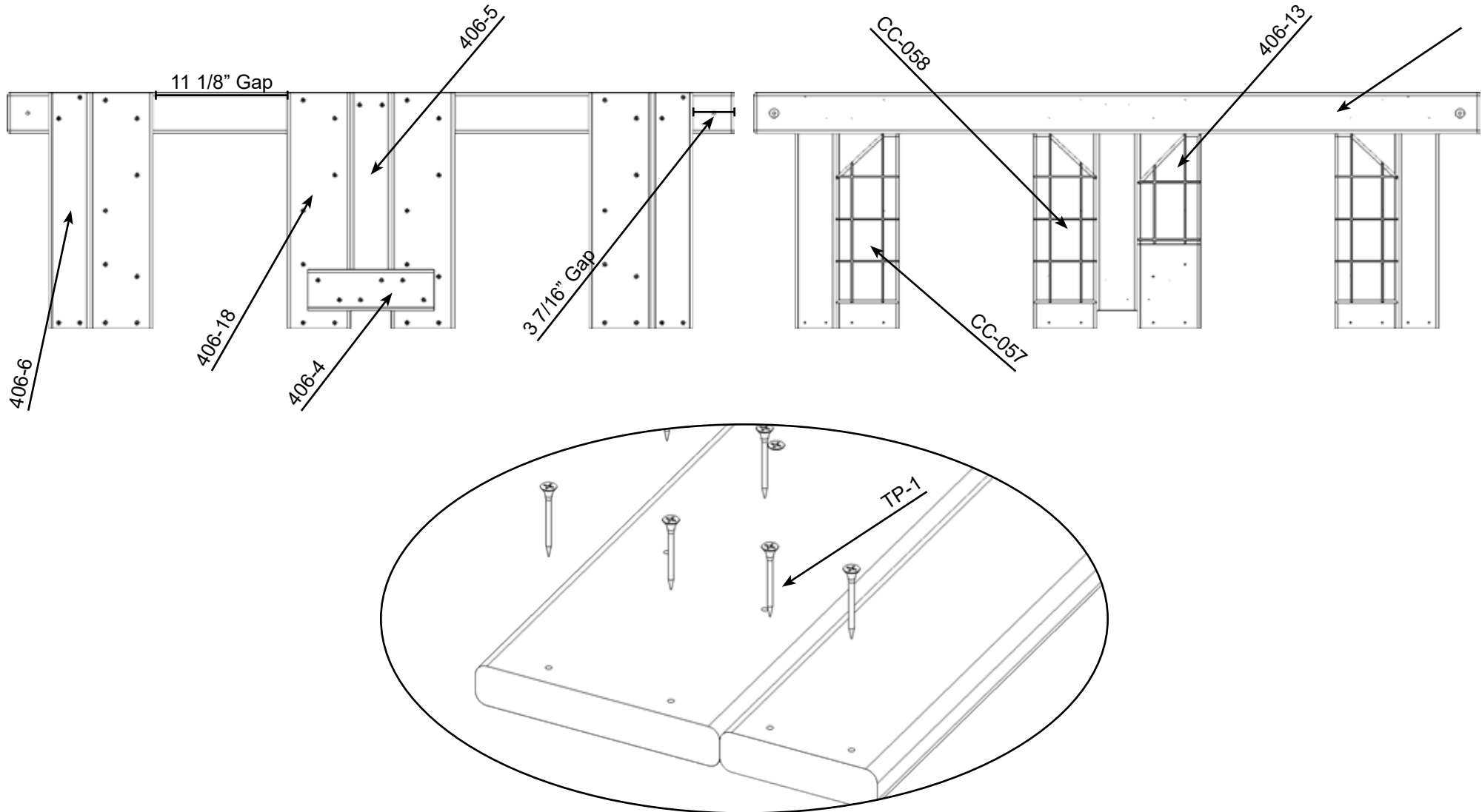
Swingbeam Side Treehouse Panel

PARTS NEEDED

406-6- 19 1/2" Side Panel End Board-	(2)	406-18- 19 1/2" Side Shutter Board-	(4)
406-4- 10 1/2" Side Center Holder-	(1)	406-5- 18" Side Center Panel Board-	(1)
CC-058- 14" Side Right Shutter-	(2)	CC-057- 14" Side Left Shutter-	(1)
406-13- 9 1/8" Left SB Side Shutter-	(1)	406-11- 60 1/4" Side Facia-	(1)

HARDWARE NEEDED

TP-1- 1 1/2" Coated Deck Screw-	(36)
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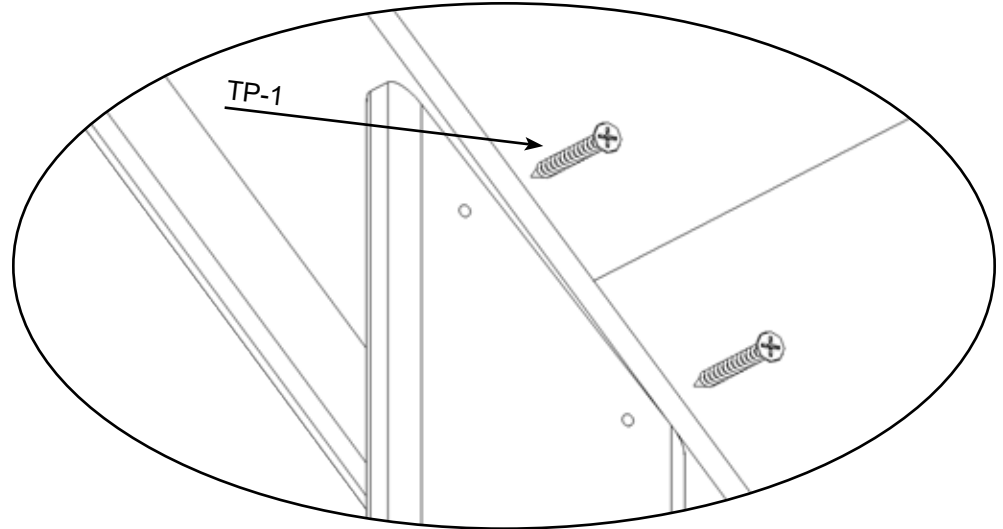
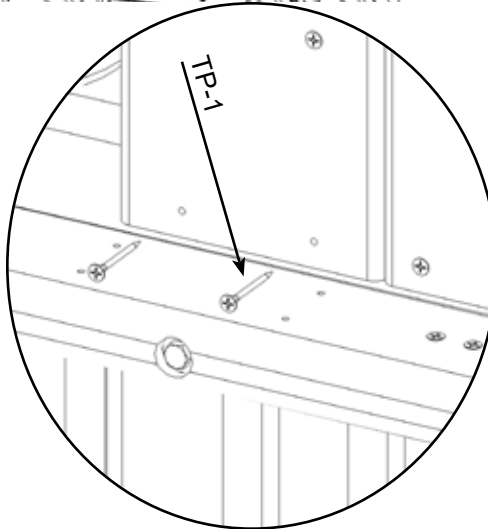
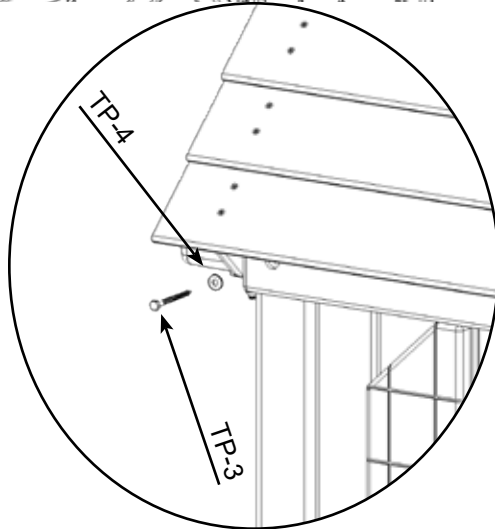
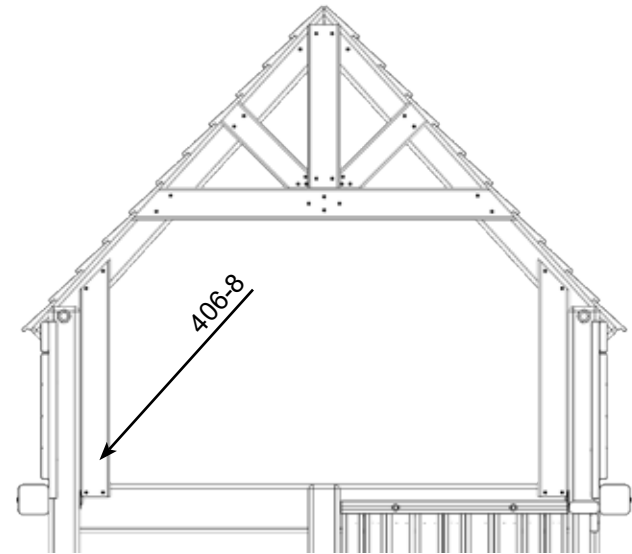
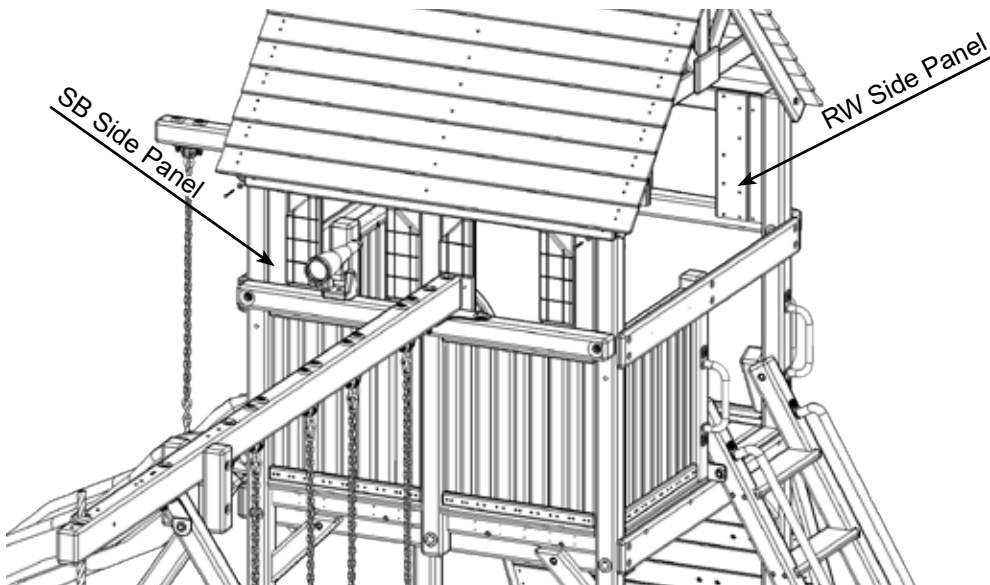
Treehouse Panel Install (Repeat for Both Sides)

PARTS NEEDED

SB Side Panel- (1)
RW Side Panel- (1)
406-8- 26 1/4" End Treehouse Panel Board- (4)

HARDWARE NEEDED

TP-1- 1 1/2" Coated Deck Screw- (40)



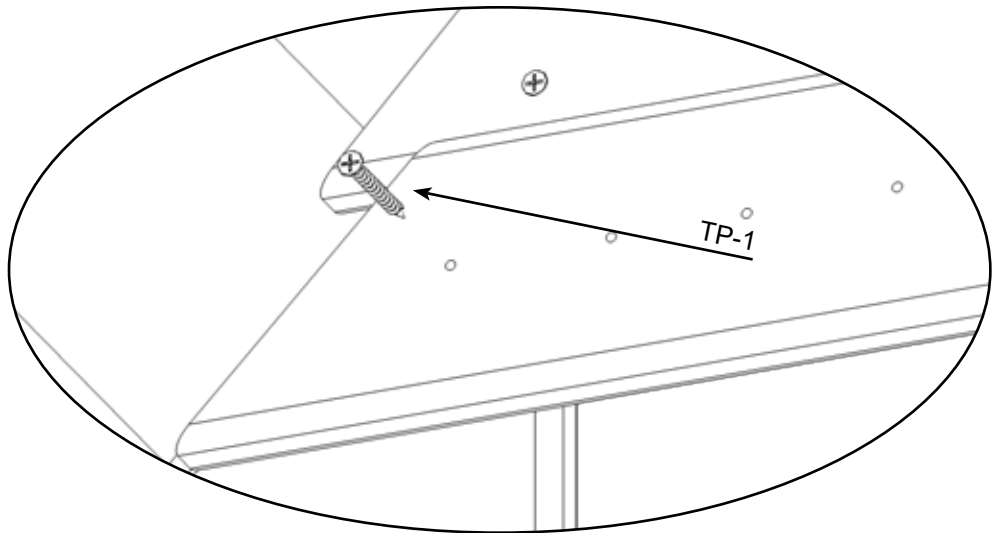
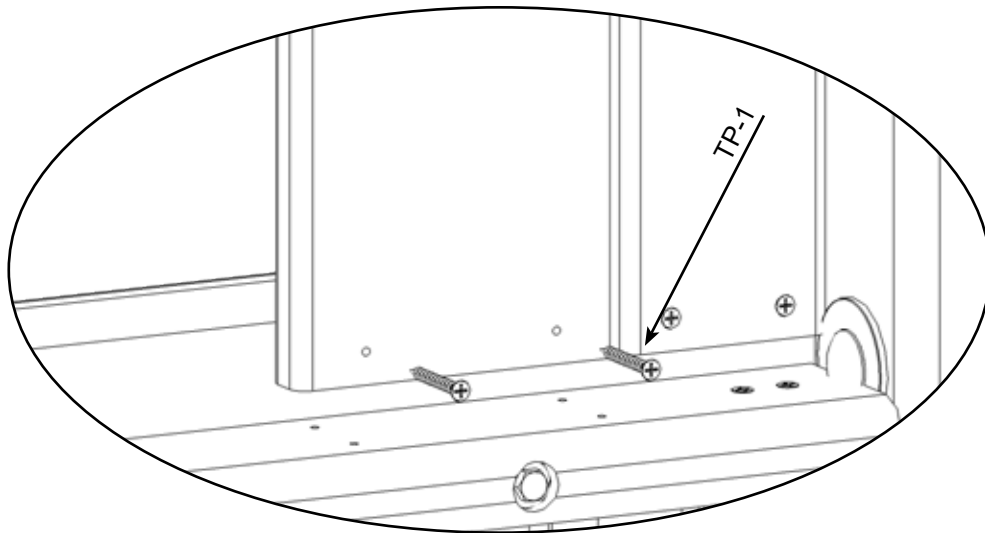
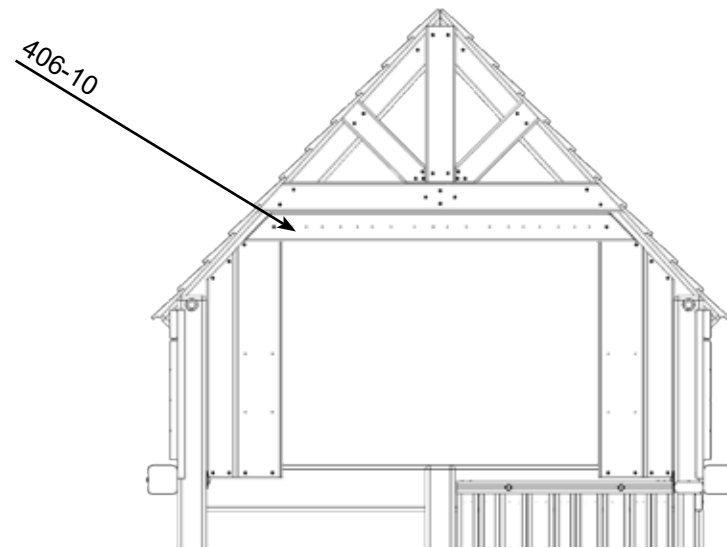
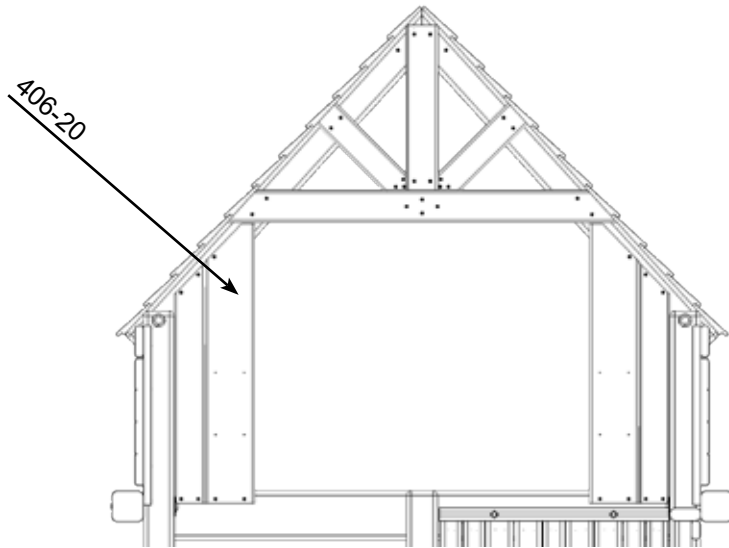
Treehouse Panel Install (Repeat for Both Sides)

PARTS NEEDED

406-20- 30 1/2" End Panel Board- (4)
406-10- 45 3/8" Panel Board #2- (2)

HARDWARE NEEDED

TP-1- 1 1/2" Coated Deck Screw- (52)



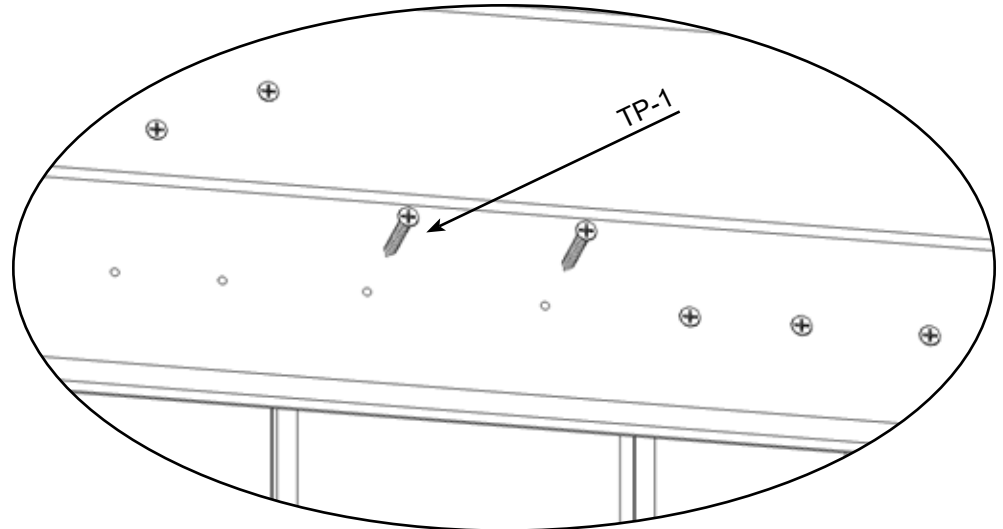
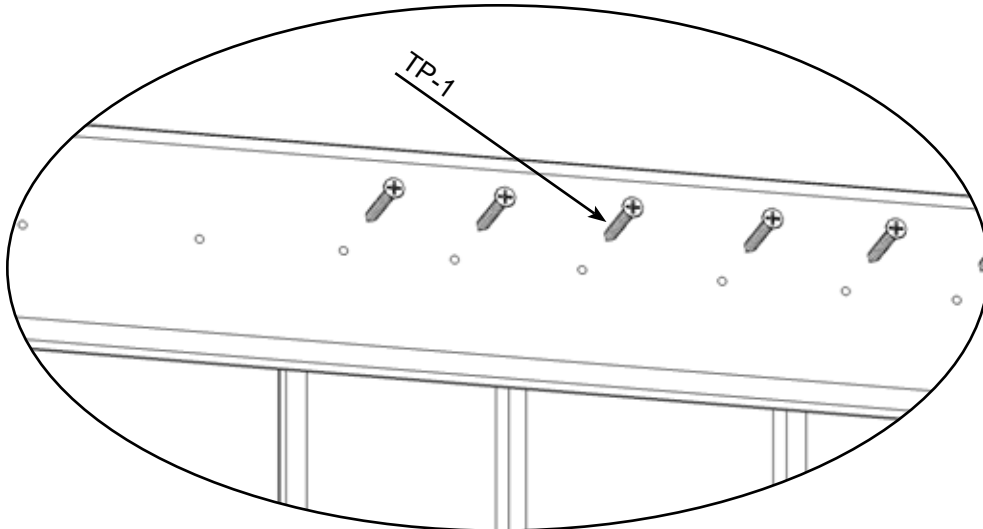
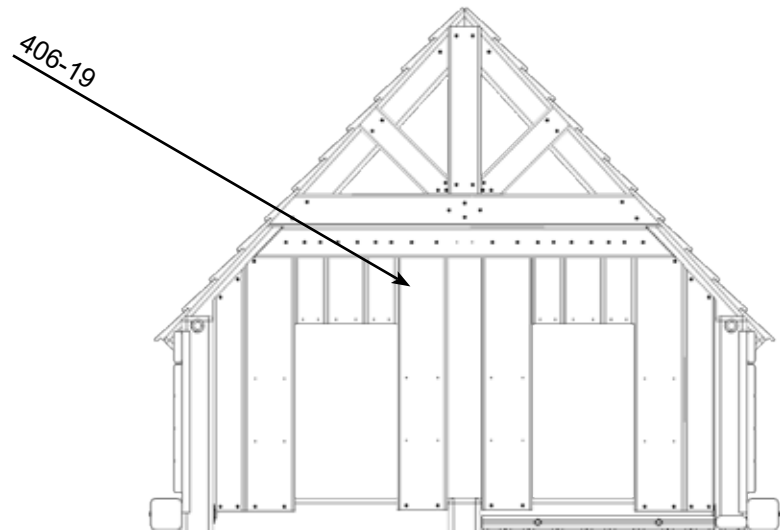
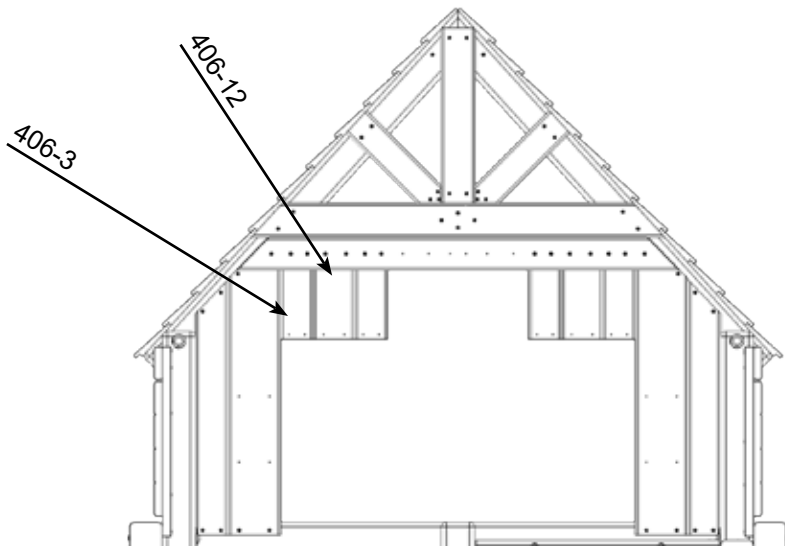
Treehouse Panel Install (Repeat for Both Sides)

PARTS NEEDED

406-3- 10 1/2" Treehouse Panel Board #1-	(8)
406-12- 10 1/2" Center Panel Board-	(4)
406-19- 30 1/2" Large Panel Board-	(4)

HARDWARE NEEDED

TP-1- 1 1/2" Coated Deck Screw-	(40)
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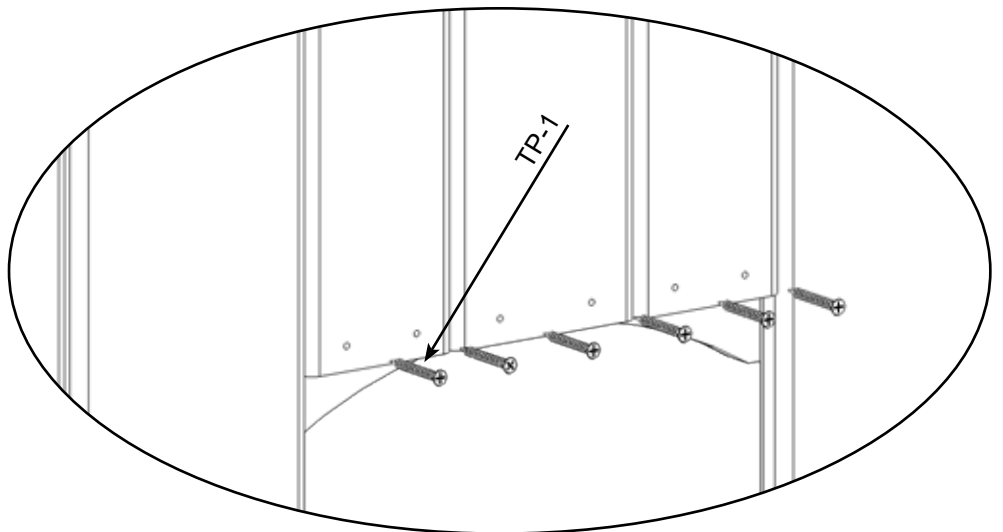
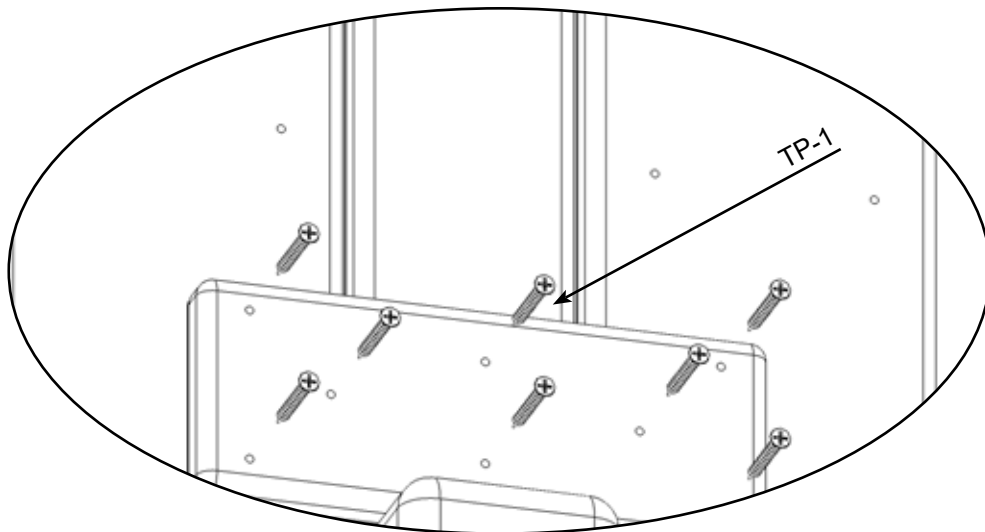
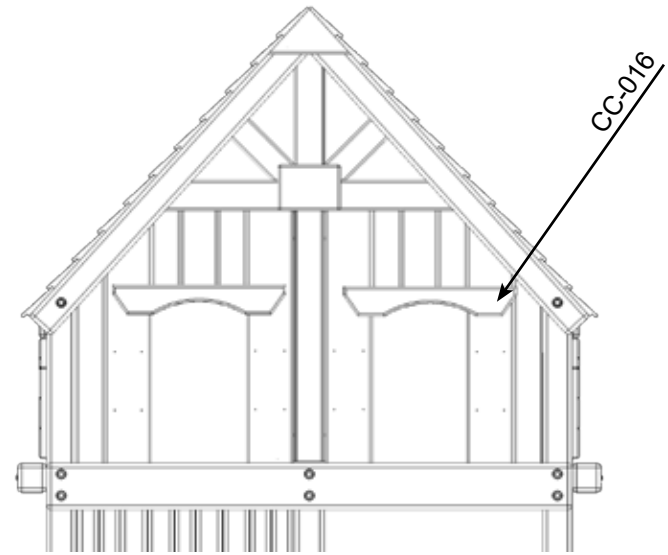
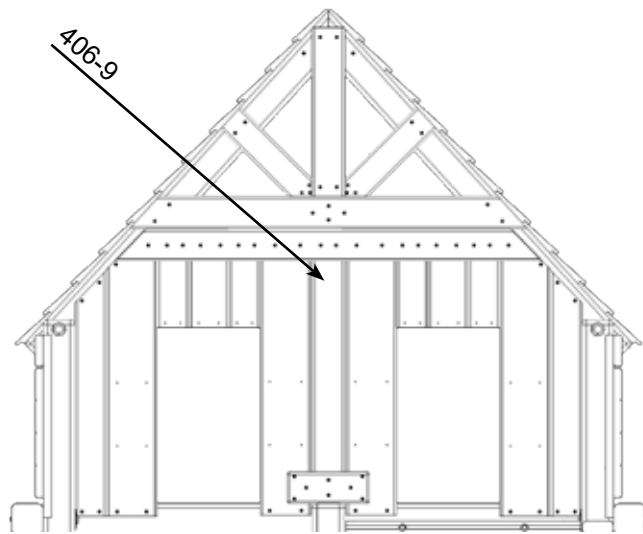
Treehouse Panel Install (Repeat for Both Sides)

PARTS NEEDED

406-9- 29" Center Panel Board- (2)
CC-016- 20" Window Arch- (4)

HARDWARE NEEDED

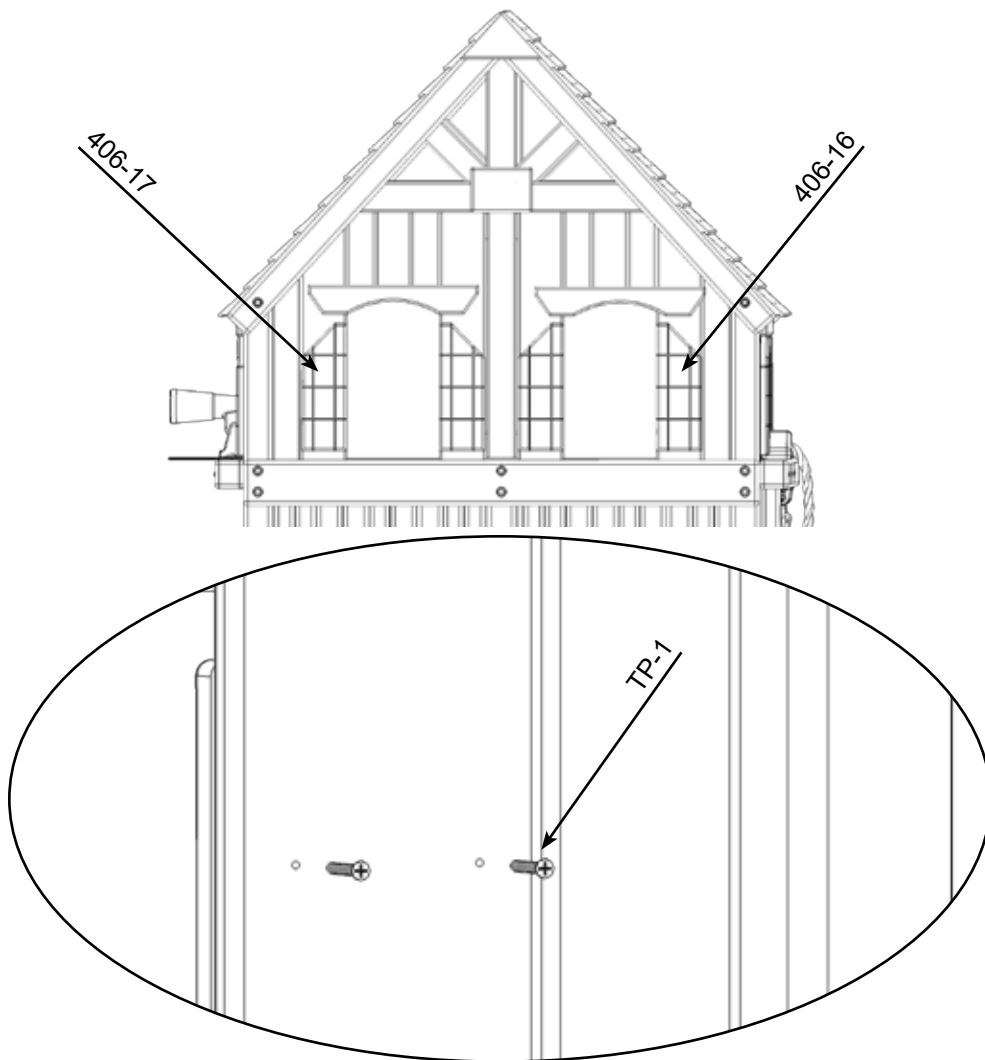
TP-1- 1 1/2" Coated Deck Screw- (44)



Treehouse Panel Install (Repeat for Both Sides)

PARTS NEEDED

406-17- 15" Left Shutter- (4)
406-16- 15" Right Shutter- (4)

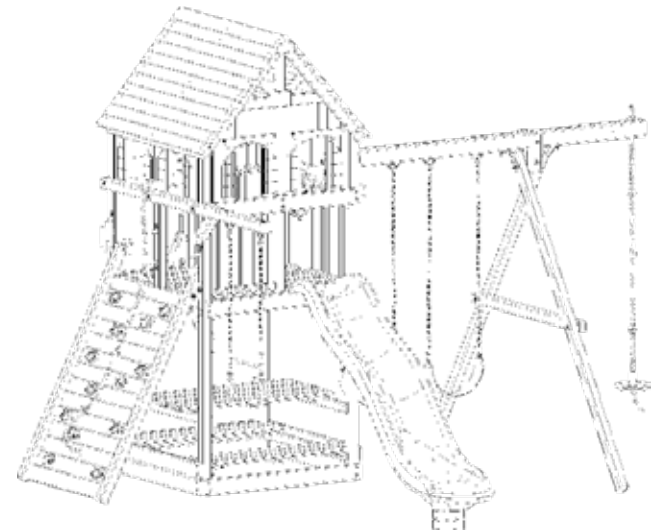


Treehouse Finished Looks

HARDWARE NEEDED

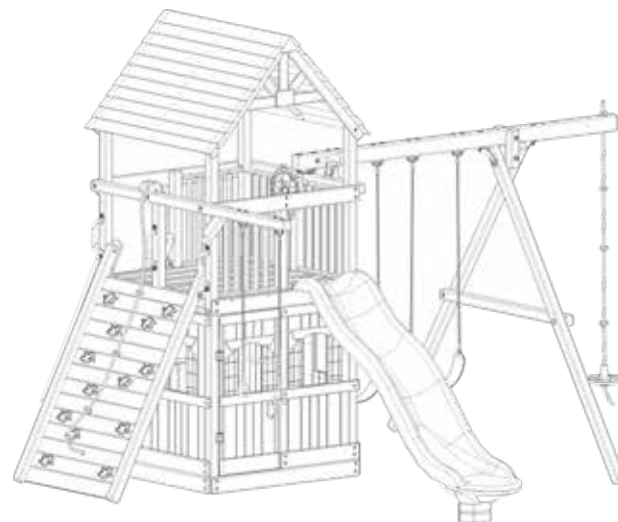
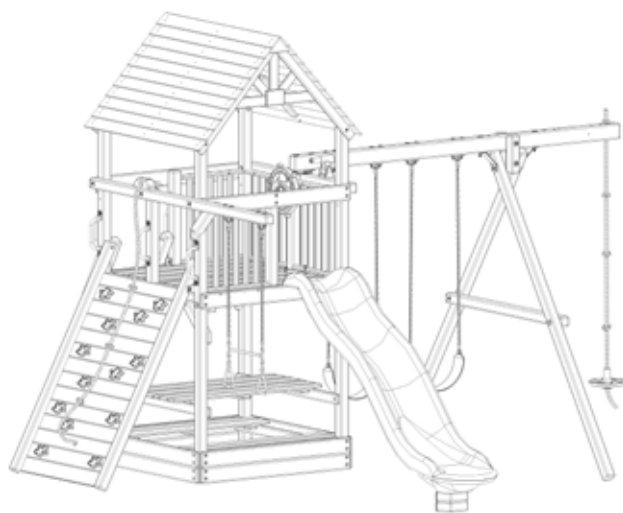
TP-1- 1 1/2" Coated Deck Screw- (32)

FINISHED TREEHOUSE ASSEMBLY WITH PICNIC TABLE

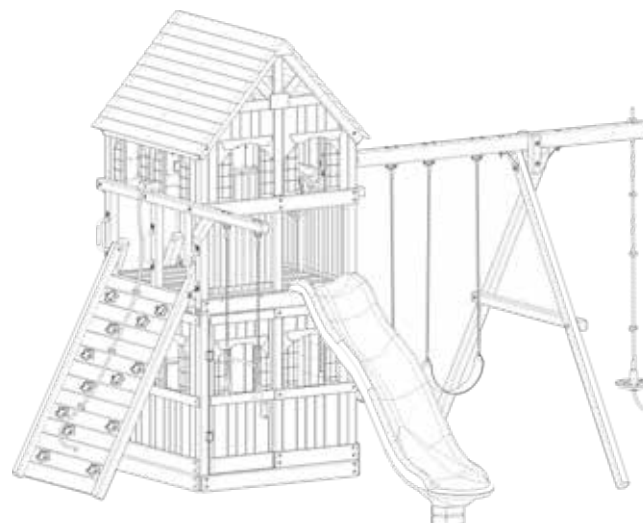
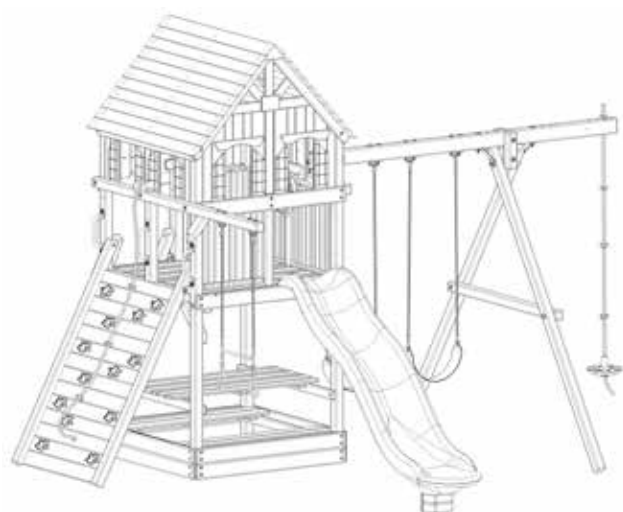


FINISHED TREEHOUSE ASSEMBLY WITH PLAYHOUSE PANELS

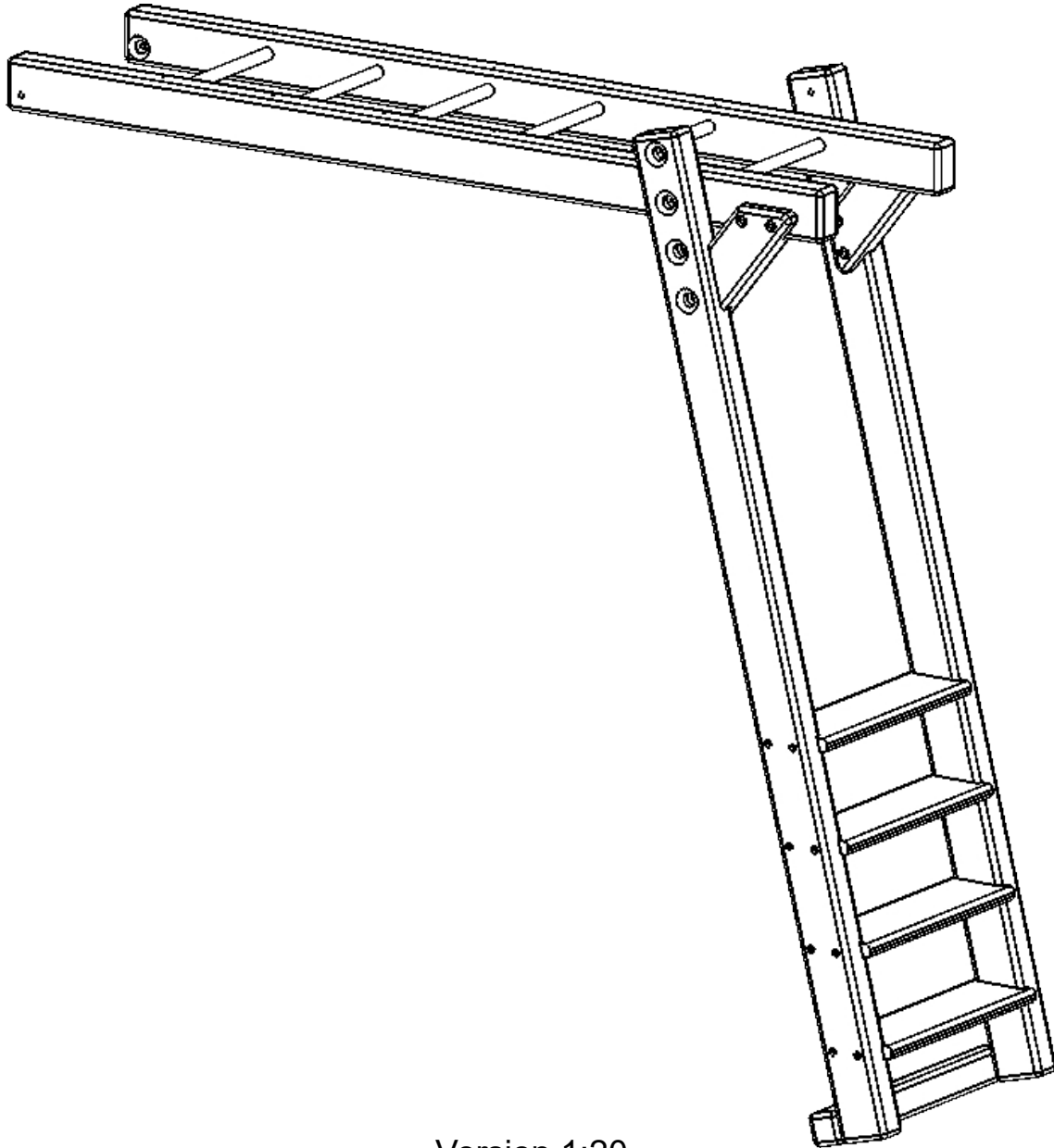




5.8 BENGAL FORT



Universal Monkey Bar Installation Manual



Version 1:20



4465 West Sam Houston Parkway N.
Houston, Texas 77041
WWW.TREEFROGSSHOWROOMS.COM

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Sections

- Section 1: Cover & Liability Info
- Section 2: Product Parts
- Section 3: Sub-Assemblies
- Section 4: Main Assembly

IMPORTANT - PLEASE READ

As fresh lumber acclimates to its new environment, the natural tendencies of the tree can show itself in the form of checks, or “cracks” in the lumber. In almost all cases this is normal and it will not affect the structural integrity of your play set.

Cosmetic defects that do not affect the structural integrity of the product, or natural defects of wood such as warping, checking or any other physical properties of wood that do not present a safety hazard, are not covered by this warranty.

Defects that develop because the product is exposed to extreme climate conditions are not covered by this warranty. Defects that develop as a result of faulty or improper installation of the product are also not covered by this warranty.

Most cracks are not warrantable, however if you believe that the integrity of your play set is compromised by this natural occurrence, please contact the Tree Frogs Swing Set Dealer that you purchased your swing set from.

We appreciate your purchase and know that you will enjoy your play system for many years to come.

Tools Needed for Assembly

Tape Measure	24" Level	Angle Square
Phillips Screw Driver	3/8" Cordless Drill or Electric Drill	3/8" Drive Ratchet or Electric Impact Gun
Claw Hammer or Rubber Mallet	Pliers or Vise Grips	7/16" Deep Well Socket
9/16" Deep Well Socket	3/4" Deep Well Socket	1/8", 1/4", and 9/16" Drill Bits
Phillips Head Screw Bits	An Adult with two Adult Helpers	

Please familiarize yourself with the install manual, parts/components and general construction process of your new swing set before getting started. Approximate assembly time: 6 to 8 hours. 6 foot unobstructed safety perimeter around swingset recommended.

Pre-Assembly Hints

- Depending on your experience, assembly of our play sets can take as little as 6 hours up to 24 hours, depending on size, after inventory of parts; therefore, we recommend you set aside a full two days for assembly.
- Identify all of the parts for your play set. Empty each box and lay out boards so you can see each part. Your instruction book will have detailed drawings that will make it easy for you to recognize individual parts. Keep all hardware and metal parts separate from wooden pieces.
- After everything is laid out, check carefully to ensure all parts are present. Make sure there are no broken boards.
- Find an area to sort your hardware. It is best to open the hardware on a solid surface so that you do not lose any pieces in the grass.
This will save time and familiarize you with all the different pieces in the hardware bag.
- ****Important note: Wood has some natural defects such as knots, surface cracks, etc... We reject parts that are structurally defective. We use a high quality lumber in our structures; however, you should inspect each part for splinters or rough spots and sand them smooth to prevent injury.****
- After familiarizing yourself with all of the components, read all instructions thoroughly. Reading instructions after you have studied the parts will help you understand more clearly the installation process, and help to eliminate unnecessary mistakes.
- Pay close attention to the diameter and length of each bolt and screw.
- Never tighten hardware completely at first. It helps to have some adjustment for bolt alignment while you are attaching parts together. After everything is square, tighten each joint.
- After the main unit is assembled it is critical that the floor is level and square. If the main frame is not level, the walls and floor will be out of square.
- After you complete installation, make sure every bolt, screw, and nut is tight, and every board is secure. Wood will expand and contract with the seasons.
- Place the set on level ground, not less than 6ft from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines, or electrical wires.
- All 1/4" and 3/8" lag bolts must have pre-drilled holes 1-1/2" to 2" deep. Use a 1/8" drill bit for the 1/4" lag bolts and 1/4" drill bit for 3/8" lag bolts. Use pre-drilled holes in facias as a reference for placing lag bolt pilot holes.
- If a board lifts or rises causing a gap between boards when running in lag bolts or screws, back out the screw or lag bolt and press or apply pressure (but not enough to crack or break board) while re-running in the lag bolt or screw in the same hole.
- Do not over tighten bolts, lag bolts or screws. You can damage boards, break hardware, and/or strip out the hardware.
- When using hammer do not beat on the hardware, but gently tap it in. Never beat on the wood as it will leave marks.

Leveling Your Swing Set During Assembly

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

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

Choosing A Location For Your Playset

When choosing a location for your swing set, always keep your child or children's safety in mind. Here are some recommendations to help you locate and install a safe play area.

- This play set is designed for the use of 4 occupants who have a combined weight not exceeding 800 pounds on the elevated floor; 3 occupants who have a combined weight of 525 pounds on the swing area; for a total Unit capacity of 5 occupants who have a combined weight of 1325. (this weight is not including the picnic table area)
- On-site adult supervision is required.
- The swing set should be located on level ground. The stationary components such as ladders and slides are required to be a minimum of six feet from any structure or obstruction such as a fence, garage, house, tree, overhanging branches, electrical wires, clotheslines, etc. Any swinging equipment is also required to be a minimum distance twice the height of the swing beam away from these obstructions or structures as well. The swing set should be located a safe distance from any water hazards, such as a lake, river, bayou, swimming pool, etc.
- Do not install this residential swing set in a commercial setting. This swing set is not manufactured for commercial usage and will void all warranties. Tree Frogs Wooden Swing Set Factory is not responsible for any damages or injuries resulting from this swing set being used in a commercial setting.
- Never install this swing set indoors; or over concrete, asphalt, packed earth, grass, carpet or any other hard surface. A fall onto a hard surface can result in serious or fatal injury.
- The U.S. Consumer Product Safety Commission (CPSC) recommends that you install and maintain a resilient surface under your swing set. The CPSC's Consumer Information Sheet for Playground Surfacing Materials is on the next page. A resilient surface, should be installed after the swing set has been completely assembled according to these instructions. The swing set must rest on solid ground. Please note that this swing set has a maximum fall height of 7'.

Maintaining Your Swing Set

Here are some maintenance tips required to insure safe play on your swing set for years of fun.

- At the beginning of each usage season and every two weeks during, check: nuts and bolts and tighten as needed, swing seats, chains, ladders, slides, rope and wood components for sign of deterioration and replace if necessary.
- On a yearly basis, we recommend that you coat your swing set with a sealant or preservative. You may also want to spot sand any areas prior to sealing.

**** Special note: Although we recommend that you reseal your swing set annually, you may have to touch up the high traffic areas and/or areas that have a high exposure to direct sunlight.****

- Be sure that the sealant you select is non-toxic and child safe. Your local Tree Frogs Wooden Swing Set Factory dealer may offer a complete power wash and reseal and maintenance program.
- Do not use line trimmers or "weed eaters" around your swing set. The line will remove both paint and wood from uprights and base pieces. Any damage resulting from this type of abuse is not covered under our limited warranty.
- Remove plastic swing seats and take in doors or do not use when temperature drops below 0°F.

Please keep this install manual for future reference.

To insure SAFE PLAY adults must teach children:

- Not to walk close to, in front of, behind, or between moving items.
- Not to swing empty swing seats.
- Not to swing sideways into the path of adjacent swings.
- Not to use the swing set in a manner other than that for which it is intended.
- Not to get off the equipment while it is in motion.
- Not to jump off the tower.
- Not to stand in the swing seats.
- Not to swing so high that chains become slack, or above the height of the swing support.
- Not to jump on a slide.
- Not to climb on top of the swing support.
- Not to attach to the swing set any item that is not specifically designed for use with the equipment, such as (but not limited to) jump ropes, clotheslines, pet leashes, cables, and chains. These may become strangulation hazards.
- To hold on to swings and climbers with both hands.
- To slide feet first, never head first.
- To watch for other children while swinging or playing near the swing set.

To also insure SAFE PLAY adults must:

- Limit climbing and swinging heights to each child's ability.
- Verify that suspended climbing ropes are secured at both ends.
- Verify that suspended climbing ropes cannot be looped back on themselves.
- Dress children appropriately for play. Use well-fitted shoes that do not have slippery soles.
- Avoid ponchos, scarves, hoods, loose fitting clothing, neckties, and any clothing with a drawstring. Serious injury could result should any part of the children's clothing become entangled in the swing set.
- Do not allow children to play wearing helmets.
- Remember that children are inventive. When they develop games that are unsafe, be alert and change the rules.

Weight limits for Treefrogs Swingsets

Fort Platform: 800 Lbs.Total Weight.

Swing Belts: 175 Lbs.

Trapeze: 125 Lbs.

Full Bucket Swing: 50 Lbs.

Toddler Bucket Swing: 50 Lbs.

Tire Swing: 125 Lbs. Total Weight

Rope Ladder: 75 Lbs.

Rock Wall: 150 Lbs.

All Slides: 125 Lbs.

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

CONSUMER INFORMATION SHEET FOR PLAYGROUND SURFACING MATERIALS

The U.S. Consumer 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 emergency rooms. Injuries involving this hazard pattern tend to be among the most serious of all playground injuries, and have the 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. However, it should be recognized that some injuries from falls will occur no matter what playground surfacing material is used.

Playground equipment should never be placed on hard surfaces such as concrete or asphalt. Grass may appear to be acceptable, but can turn to hard packed earth in areas of high traffic. Shredded bark mulch, wood chips, or fine gravel are considered to be acceptable shock absorbing surfaces when installed and maintained at a sufficient depth under and around play equipment.

TABLE 1 -CRITICAL HEIGHTS (in feet) OF TESTED MATERIAL

MATERIAL	UNCOMPRESSED DEPTH			COMPRESSED DEPTH
	6 Inch	9 Inch	12 Inch	
Wood Chips	7	10	11	10
Double Shredded Bark Mulch	6	10	11	7
Engineered Wood Fibers	6	7	>12	6
Fine Sand	5	5	9	5
Coarse Sand	5	5	6	4
Fine Gravel	6	7	10	6
Medium Gravel	5	5	6	5
Shredded Tires**	10-12	N/A	N/A	N/A

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

Table 1 should be read as follows: If, for example, uncompressed wood chips are used at a minimum of 6 inches, the Critical Height is 7 feet. If 9 inches of uncompressed wood chips are used, the Critical Height is 10 feet. It should be noted that, for some materials, the Critical Height decreases when the material is compressed. It is recommended that a shock absorbing material should extend a minimum of 6 feet in all directions from the perimeter of stationary equipment such as climbers and slides. However, because children may deliberately jump from a moving swing, the shock absorbing material should extend in the front and rear of a swing a minimum distance of 2 times the height of the pivot point measured from a point directly beneath the pivot on the supporting structure.

This 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 the playground equipment, the availability in your area, and its cost.

This information has been extracted from the CPSC publications "Playground Surfacing-Technical Information Guide" and "Handbook for Public Playground Safety." Copies of these reports can be obtained by sending a postcard to:

Office of Public Affairs
U.S. Consumer Product Safety Commission
Washington, D.C. 20207

Toll-free Hotline: 1-800-638-2772 or at <http://www.cpsc.gov>

2018 TREE FROGS Limited Lifetime Warranty

Limited 10-Year Warranty, Limited 5-Year Warranty

Tree Frogs Warranties all Jaguar Playcenter Series, Bengal Forts Series, MegaDeck Fort Series Redwood components and Cedar components against structural failure due to warping, wood rot, insect infestation (excluding Carpenter Bees) or decay for the period of 10 Years from the date of original purchase. This warranty does not cover cracks, fissions, checks, fading, knots and weathering that are normal natural characteristics of wood, that do not affect the structural integrity of the product. The Redwood and Cedar components warranty is extended to a Limited Lifetime Warranty to the original owner upon registering this warranty within 90 days of purchase at www.treefrogsswingsets.com.

Tree Frogs Warranties all Parrot Island Fort Series, Parrot Island Playcenter Series, Rainforest Cottage Series Cedar components against structural failure due to warping, wood rot, insect infestation (excluding Carpenter Bees) or decay for a period of 10 Years from the date of original purchase. This warranty does not cover cracks, fissions, checks, fading, knots and weathering that are normal natural characteristics of wood, that do not affect the structural integrity of the product.

Tree Frogs Warranties all Toucan Fort Series, Toucan Playcenter Series, Orangutan Fort Series, Stand Alone Swings Cedar components against structural failure due to warping, wood rot, insect infestation (excluding Carpenter Bees) or decay for a period of 5 Years from the date of original purchase. This warranty does not cover cracks, fissions, checks, fading, knots and weathering that are normal natural characteristics of wood, that do not affect the structural integrity of the product.

In addition, a 10-Year Limited Warranty applies to all roto-molded slides, ductile iron swing hangers, tire swivels, metal climbing rungs and swing beam brackets against failure due to rust or failure in defect in material. Surface rust, fading, weathering, cracks/chips in coatings and corrosion that do not affect structural integrity are not covered by this warranty. Furthermore, a 5-Year Limited Warranty applies to all components & accessories including all swings, chain ladders, gliders, handles, brackets, bubble panels, tarps, steering/ships wheels, telescopes, binoculars, buoy ball, blow molded slides and disc seat that are not covered under the 10-Year Warranty to be free from defects in material and workmanship. Surface rust, fading, weathering, cracks/chips in coatings and corrosion that do not affect structural integrity are not covered by this warranty.

And for a period of 1-Year Tree Frogs warranties all ropes, structural foam molded slides to be free of defects in material and workmanship. Fading is not considered a defect and may occur with seasonal and geographical conditions.

****10-Year Warranty Exclusion:** Toucan Fort Series, Toucan Playcenter Series, Orangutan Series, Stand Alone Swings (Limite 5Yr/5Yr/1Yr WARRANTY).

This warranty is limited to a repair or replacement of the defective part. Product covered under this warranty will be shipped at the customer's expense. Tree Frogs is not responsible for any expense associated with freight, or delivery and installation of the warranted part(s). Tree Frogs reserves the right to inspect all warranty claim parts for which a claim has been made.

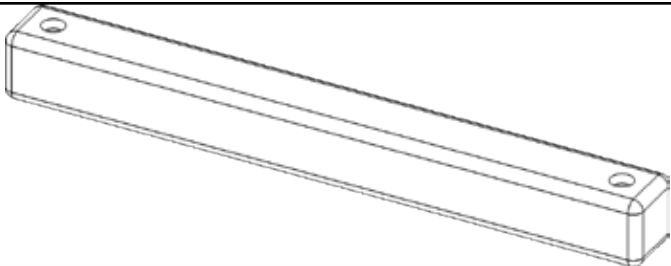
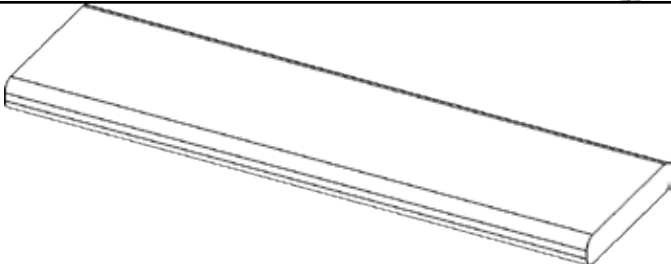
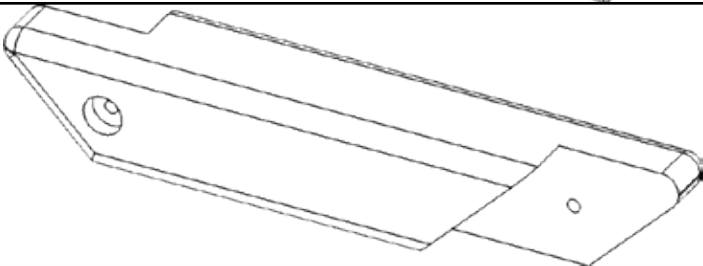
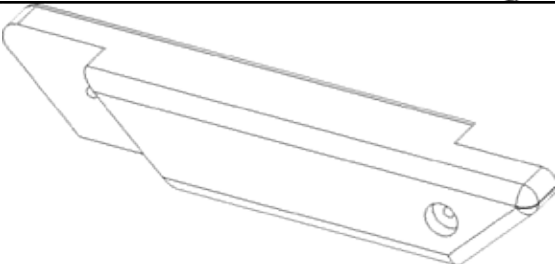
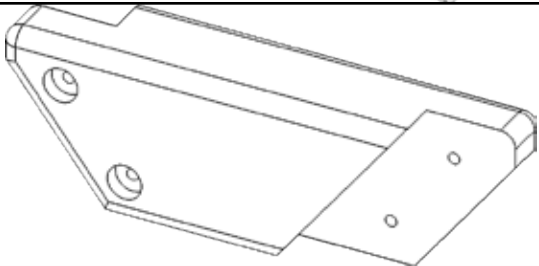
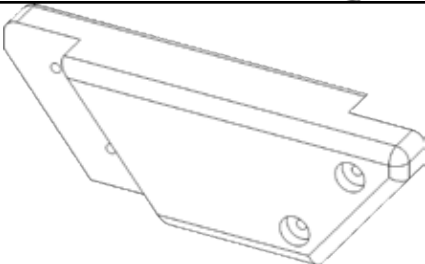
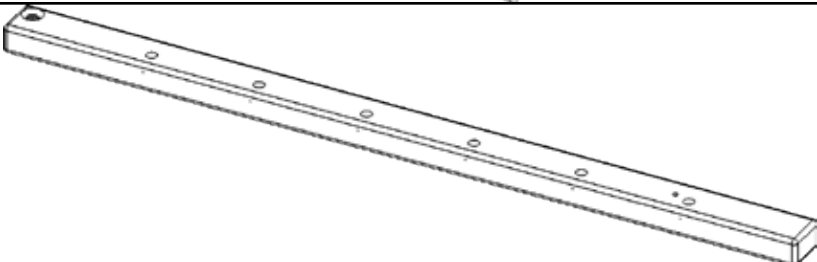
This limited warranty applies only to the original retail purchaser and for residential use only, non-residential use voids warranty. These warranties void when product is transferred or sold or no longer in possession by original owner. A copy of the original invoice must be presented to initiate warranty claim. This limited warranty does not cover damage from abuse, acts of God, vandalism, maintenance guideline neglect, alterations, normal wear & tear, use other than residential, unauthorized modification, damage due to moving of product or improper installation and or use. Any modification could damage the structural integrity of the play system and voids all warranties.

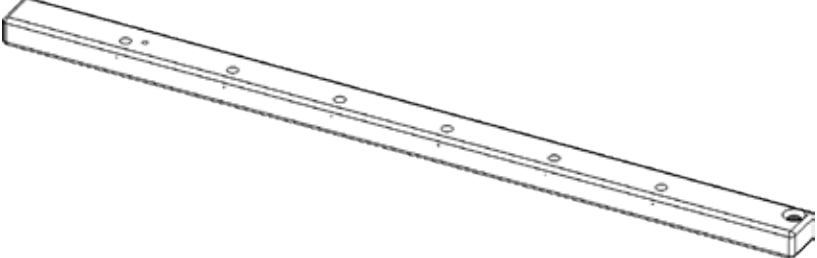
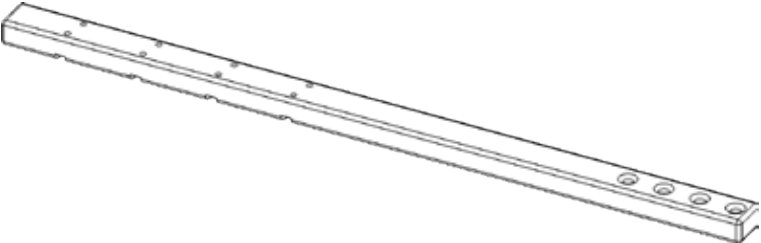
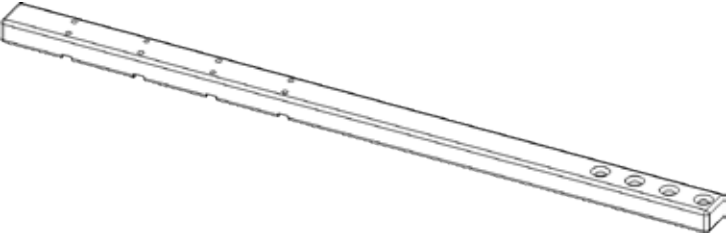

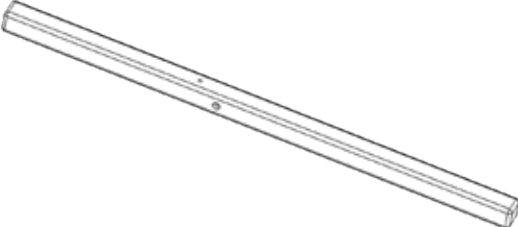
This warranty is exclusive and expressly in lieu of all other warranties, expressed or implied, including warranties of merchantability or fitness for use. Tree Frogs does not assume, or authorize any person to assume for us, any other liability in connection with the sale of our products.

This warranty gives you specific legal rights, and you also may have other rights that vary from state to state. Register your play system's warranty at www.treefrogsswingsets.com.

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

See your instruction manual for guidelines on regular maintenance. <http://treefrogsshowrooms.com/installation-manuals/>. Your child's play system & perimeter play zone should be inspected regularly for any wear & safety hazards.

Universal Monkey Bar (031)	Description	QTY.
	(CC-220) 031-1 31 1/4" Monkey Bar Bottom	1
	(CC-136) 031-2 26 1/2" Step	4
	(CC-149) 031-3 19" Left Gusset	1
	(CC-148) 031-4 19" Right Gusset	1
	(CC-190) 031-5 16" Left MB Gusset	1
	(CC-191) 031-6 16" Right MB Gusset	1
	031-7 96" Right MB Overhead	1

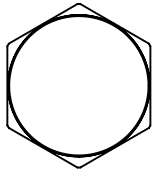
Universal Monkey Bar (031)	Description	QTY.
	031-8 96" Left MB Overhead	1
	(CC-192) 031-9 103" Right Support Leg	1
	(CC-193) 031-10 103" Left Support Leg	1
(Not In Box)		
	(Not it Box) Parrot Island Fort Center Post Monkey Bar	1
	Parrot Island Playcenter Center Post Monkey Bar	1

UNIVERSAL MONKEY BAR -031-HWR-BAG

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

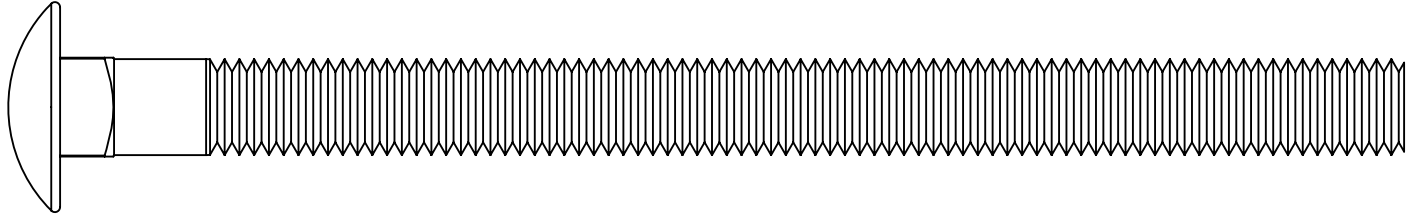
MB-1

1/2"-13 Acorn Nut Plated
QTY;4



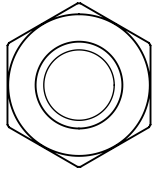
MB-2

1/2"-13 x 7" Carriage Bolt ZP
QTY; 4



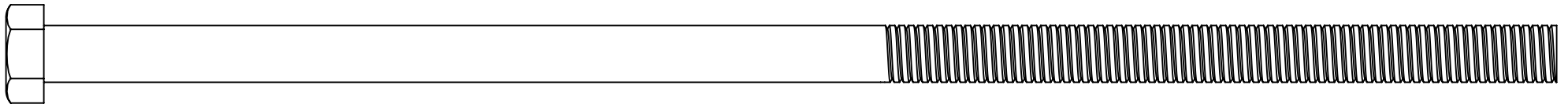
MB-3

1/2"-13 Hex Nut ZP
QTY ; 4



MB-4

3/8"-16 x 10 Hex Bolt ZP -6" of Thread
QTY ; 1



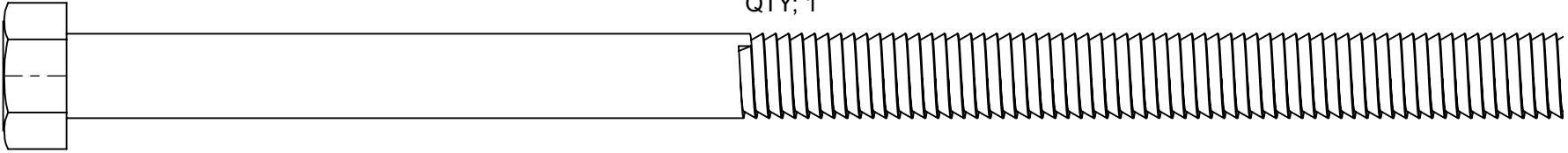
MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT

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

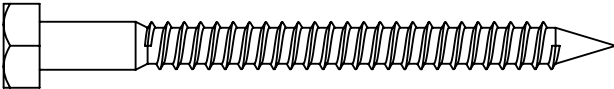
UNIVERSAL MONKEY BAR -031-HWR-BAG

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

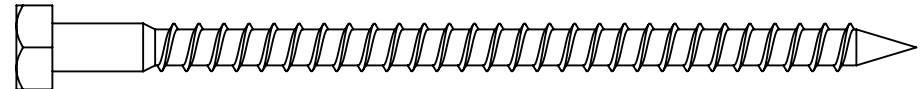
MB-5
1/2-16 x 9" Hex Bolt ZP
QTY; 1



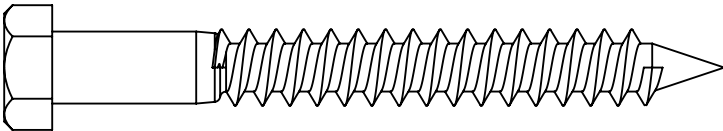
MB-6
1/4" x 3" Hex Lag Screw ZP
QTY;4



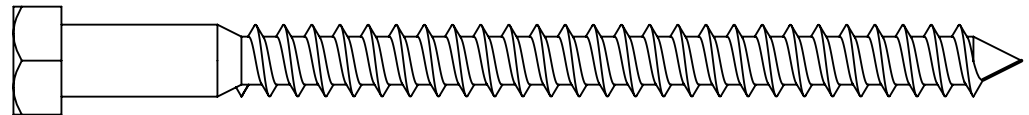
MB-7
1/4"x4 1/2" Hex Lag Screw ZP
QTY;16



MB-8
3/8" x3 1/2" Hex Lag Screw ZP
QTY; 12



MB-9
3/8" x 5" Hex Lag Screw ZP
QTY; 2



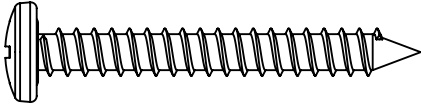
MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT

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

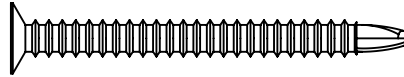
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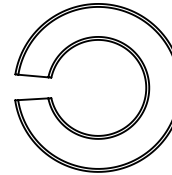
MB-10
#14 x 2" Pan Phillip T/S ZP
QTY; 4



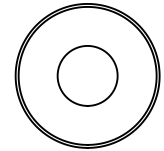
MB-11
2" Metal Tap Screw
QTY; 14



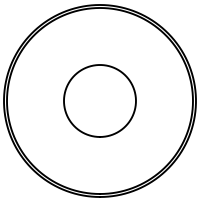
MB-12
1/2" Split Lockwasher ZP
QTY; 4



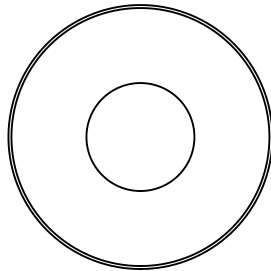
MB-13
1/4" Uss Flatwasher ZP
QTY;24



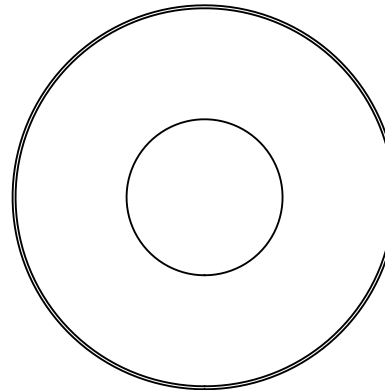
MB-14
3/8" Uss Flatwasher ZP
QTY; 16



MB-15
1/2" Uss Flatwasher ZP
QTY; 4



MB-16
3/4" Uss Flatwasher ZP
QTY; 4

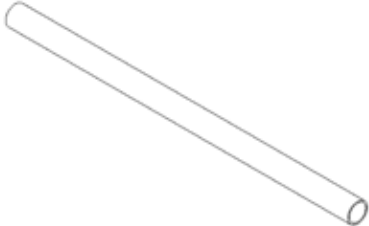



MB-17
#2



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT

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

Universal Monkey Bar-031-HWA-SB	Description	QTY.
	031-A 1 1/4" x 22 1/4" PlayGrip Tube	6
	031-B 1 1/4" x 65 1/2" PlayGrip Ladder Handle	2

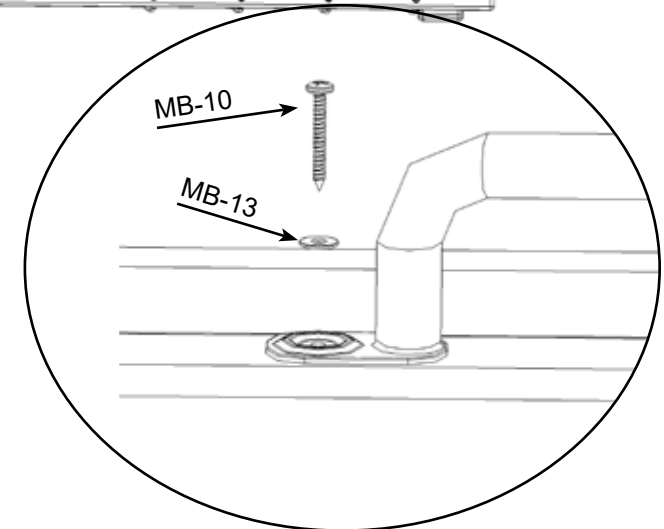
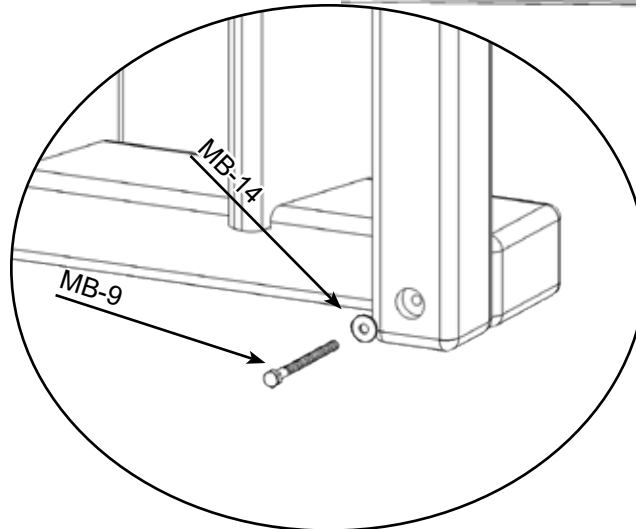
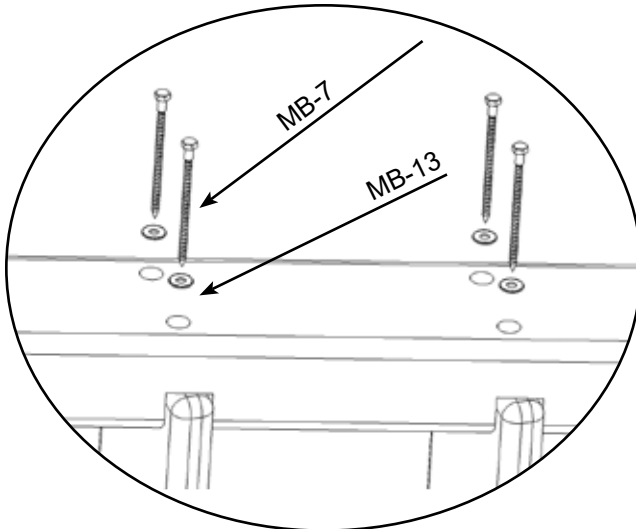
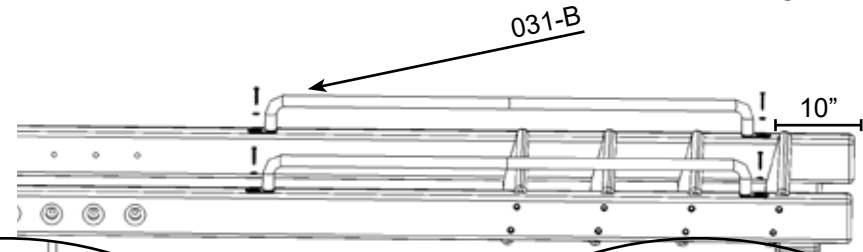
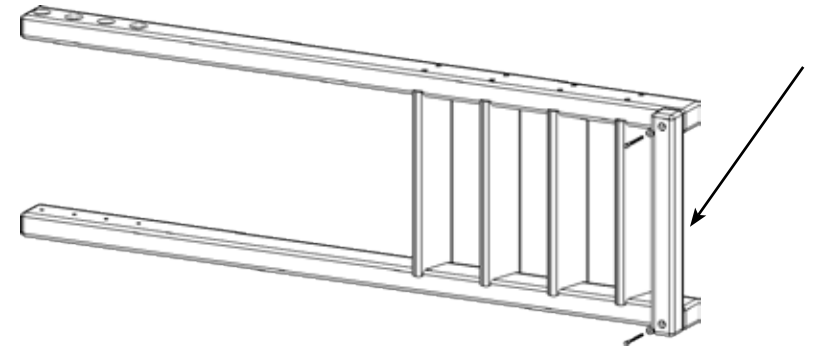
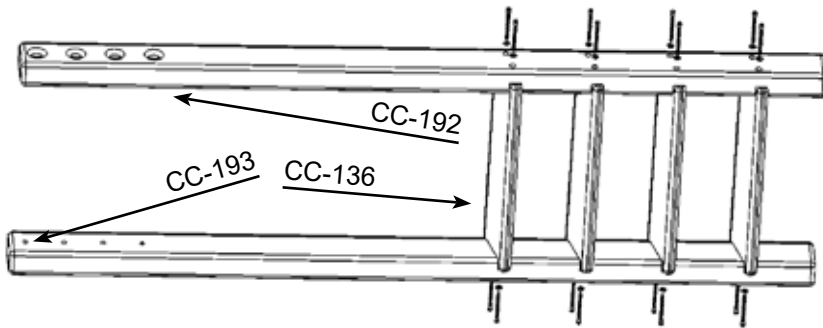
Monkey Bar Support - Sub Assemblies

PARTS NEEDED

CC-220- Monkey Bar Bottom-	(1)
CC-136- Step-	(4)
CC-192- Right Support Leg-	(1)
CC-193- Left Support Leg-	(1)
031-B- PlayGrip Ladder Handle-	(2)

HARDWARE NEEDED

MB-7- 1/4"x4 1/2" Hex Lag Screw ZP-	(16)	MB-9 3/8" x 5" Hex Lag Screw ZP-	(4)
MB-13- 1/4" Uss Flatwasher ZP-	(16)	MB-14 3/8" Uss Flatwasher ZP-	(4)
MB-10- #14 x 2" Pan Phillip T/S ZP-	(4)	MB-13 1/4" Uss Flatwasher ZP-	(4)



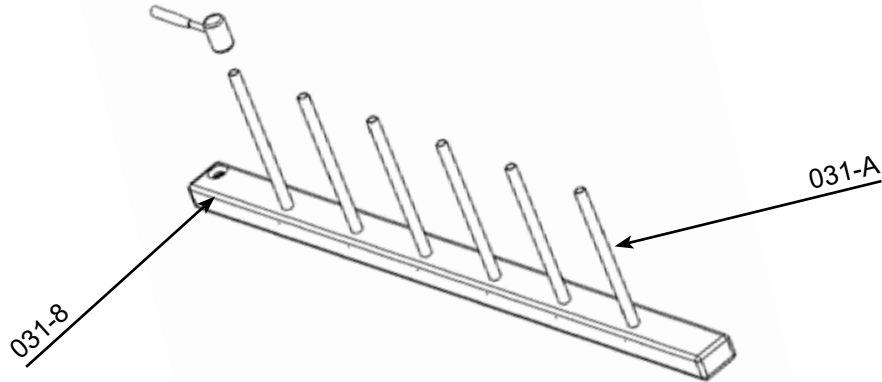
Universal Monkey Bar Overhead Sub-Assemblies

PARTS NEEDED

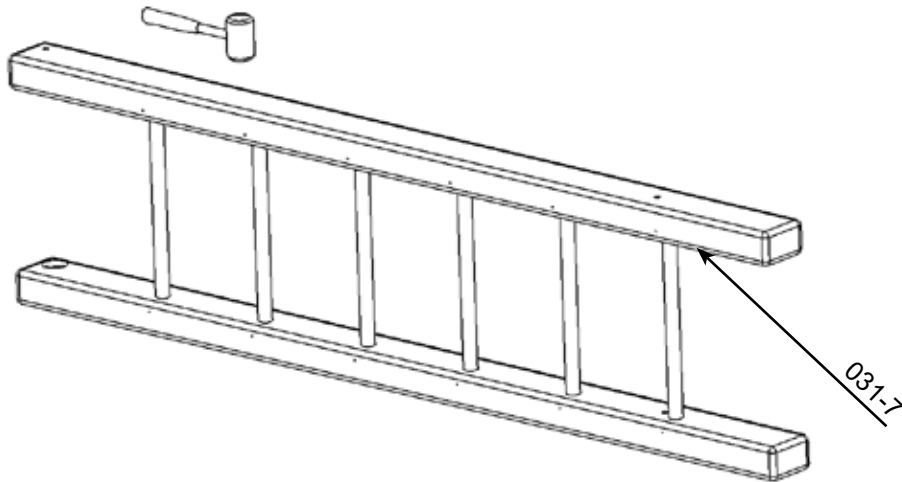
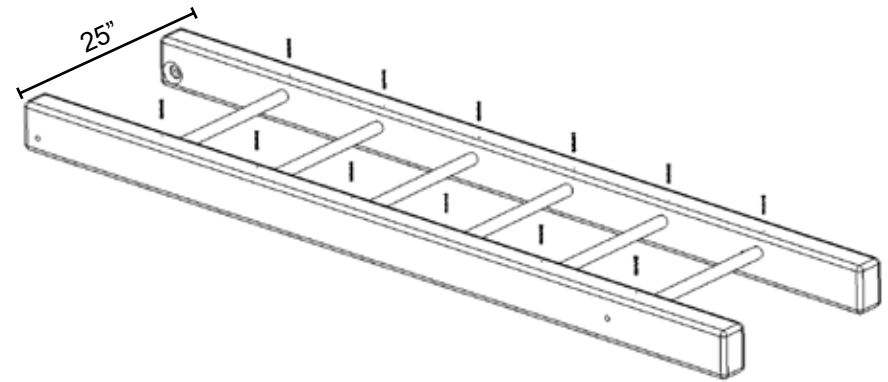
- 031-7 Right Overhead (1)
- 031-8 Left Overhead (1)
- 031-A 1 1/4" Dia x 16 ga x 22" PlayGrip Tube, PC Coated (6)

HARDWARE NEEDED

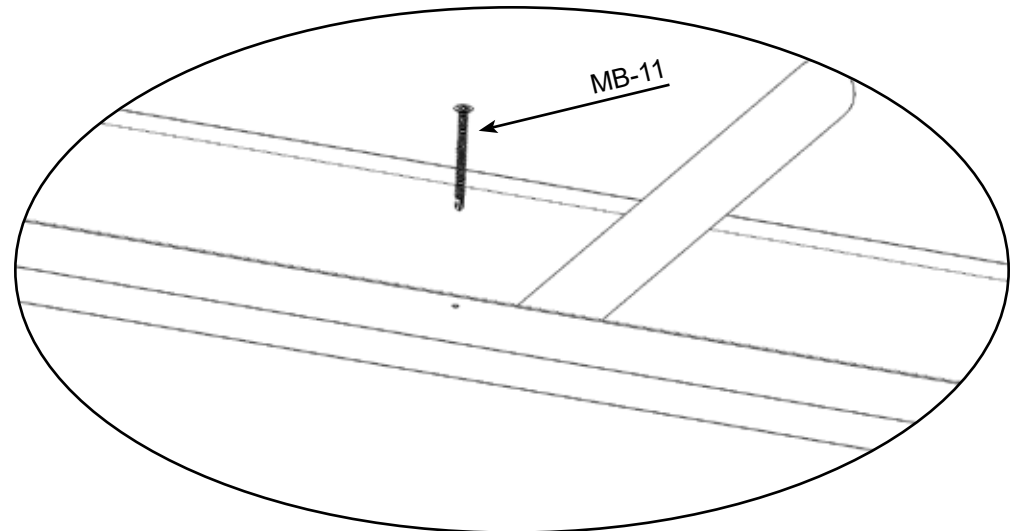
- MB-11 2" Metal Tap Screw (12)



Place the 22" Playgrip Tubes in the holes and using a rubber mallet, knock them in until they bottom out.



Place the (R) Monkey Bar Overhead on the Playgrip Tubes and using a rubber mallet, knock the board down until it bottoms out. Leaving the assembly at 25" wide.



Monkey Bar Assembly

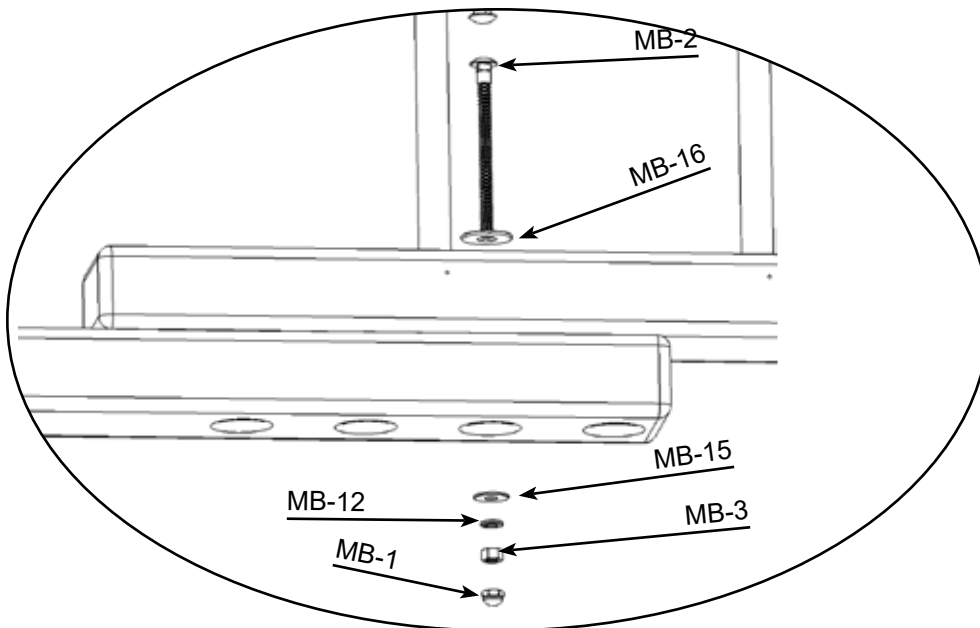
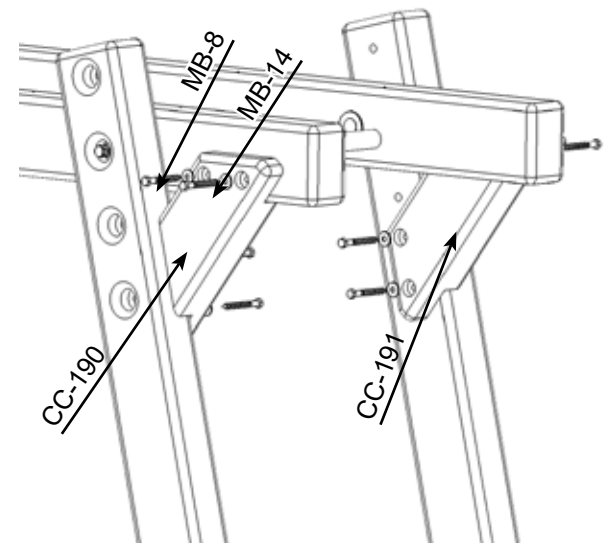
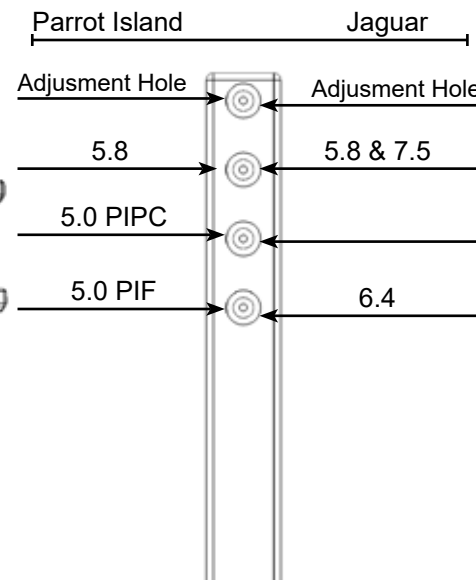
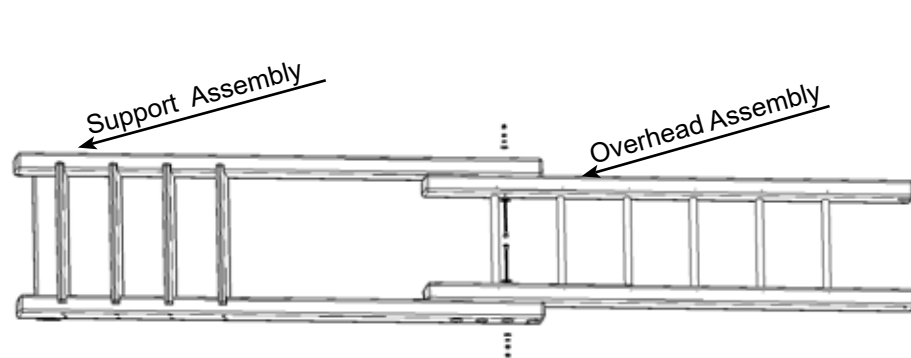
PARTS NEEDED

Monkey Bar Overhead Assembly (1)
 Support Assembly (1)
 CC-190 Left MB Gusset (1)
 CC-191 Right MB Gusset (1)

MB-1- 1/2"-13 Acorn Nut Plated-
 MB-8- 3/8" x 3 1/2" Hex Lag Screw-
 MB-12- 1/2" Split Lockwasher-
 MB-15- 1/2" Uss Flatwasher-

HARDWARE NEEDED

(2) MB-2- 1/2"-13 x 7" Carriage Bolt- (2)
 (8) MB-3- 1/2"-13 Hex Nut- (2)
 (2) MB-14- 3/8" Uss Flatwasher- (8)
 (2) MB-16- 3/4" Uss Flatwasher- (2)



Grab the Monkey Bar Overhead at the rung that is in the center and pull up scissoring the Monkey Bar Overhead and the Monkey Bar Support. Now facing the Monkey Bar Support place your Left Monkey Bar Gusset on the inside of the board and push up until it touches the Monkey Bar Overhead. Have your helper pull out on the Monkey Bar Support until the notches on the Left Monkey Bar Gusset are flat against the Monkey Bar Support and the Monkey Bar Overhead. ****Be careful and do not let the assembly scissor back down as this can cause an injury or damage your Monkey Bars.**** Place a 3/8" Flatwasher over a 3/8" x 3 1/2" Hex Lag Screw and attach the Left Monkey Bar Gusset to the Monkey Bar Overhead and Monkey Bar Support Ladder. Repeat this process on the right side. Now tighten the 1/2" Hex Nuts, put on the 1/2" Acorn Nut and lightly tighten. Do not over tighten.

5.8 Jaguar Fort Monkey Bar Assembly

PARTS NEEDED

Monkey Bar Assembly
CC-149 Left Gusset (1)
CC-148 Right Gusset (1)

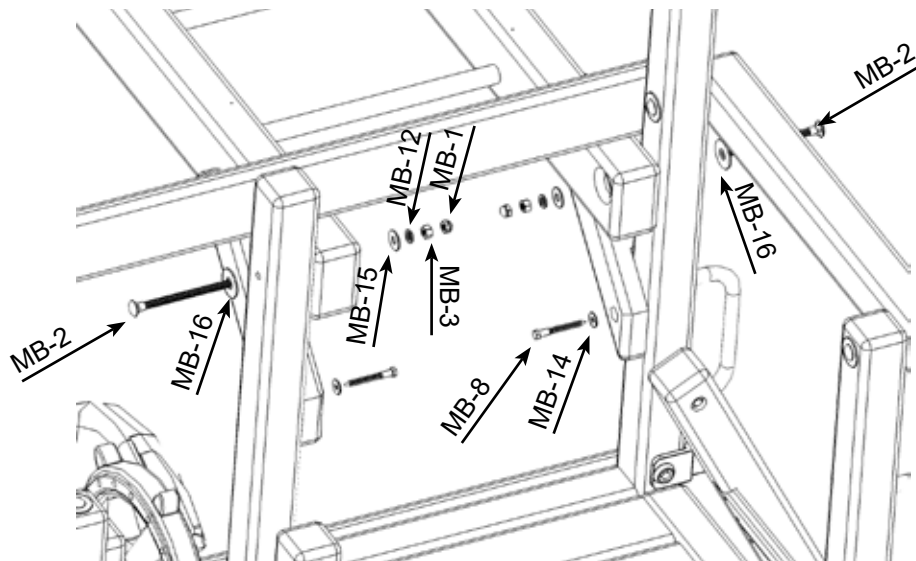
MB-1- 1/2"-13 Acorn Nut Plated- (2)
MB-3- 1/2"-13 Hex Nut- (2)
MB-8- 3/8" x 3 1/2" Hex Lag Screw- (4)
MB-14- 3/8" Uss Flatwasher- (4)
MB-16- 3/4" Uss Flatwasher- (1)
C- 1/2"-13 Hex Nut- (1)
P- 1/2" Uss Flatwasher- (1)

5.8 Jaguar Playcenter Monkey Bar Assembly

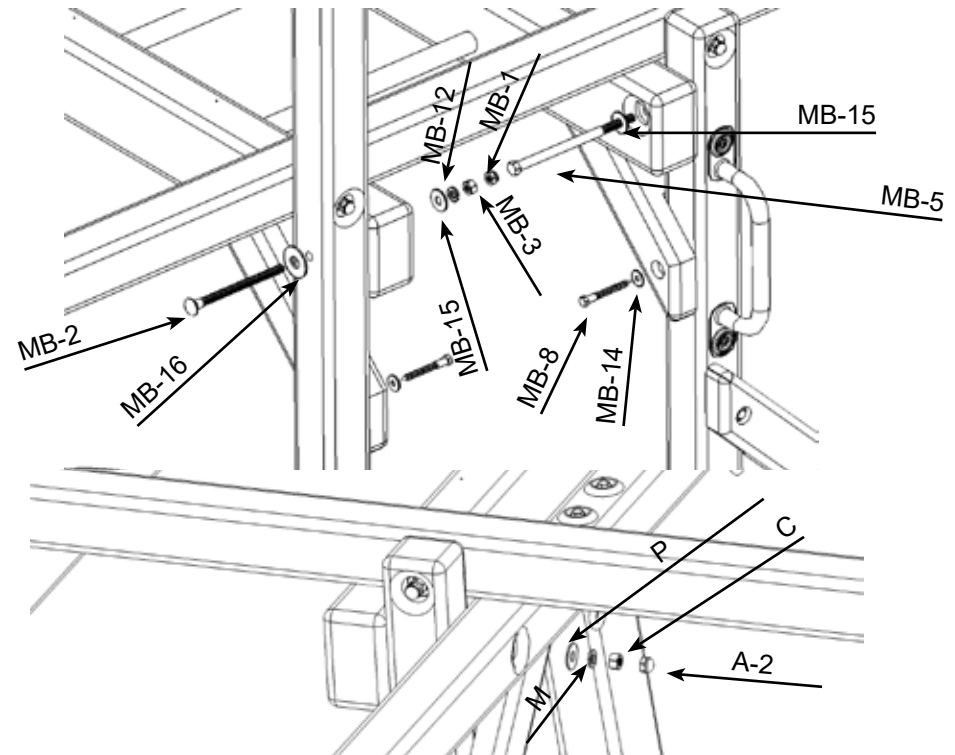
HARDWARE NEEDED

MB-2- 1/2"-13 x 7" Carriage Bolt- (2)
MB-5- 1/2"-16 x 9" Hex Bolt- (1)
MB-12- 1/2" Split Lockwasher- (2)
MB-15- 1/2" Uss Flatwasher- (2)
A-2- 1/2"-13 Acorn Nut Plated- (1)
M- 1/2" Split Lockwasher- (1)

On the other side place a 3/4" Flatwasher over a 1/2" x 7" Carriage Bolt and then insert thru the hole into the countersunk hole in the Monkey Bar Overhead. Place a 1/2" Washer, 1/2" Lockwasher over the 1/2" x 7" Carriage Bolt end inside the Monkey Bar Overhead. Thread the 1/2" Hex Nut on to the 1/2" x 7" Carriage Bolt. Now tighten the 1/2" Hex Nuts, put on the 1/2" Acorn Nut and lightly tighten. Do not over tighten. Place Left Gusset Bracket and attach with 2 - 3/8" x 3 1/2" Hex Lag Screw with 3/8" Flatwashers on them.



This step is only if you purchased a 5 or 5.8 Fort. Line up Monkey Bar Overhead countersunk holes with the holes below your 6 Hole Facia. Place a 3/4" Flatwasher over a 1/2" x 7" Carriage Bolt and then insert thru the hole into the countersunk hole in the Monkey Bar Overhead. Place a 1/2" Washer, 1/2" Lockwasher over the 1/2" x 7" Carriage Bolt end inside the Monkey Bar Overhead. Thread the 1/2" Hex Nut on to the 1/2" x 7" Carriage Bolt. Repeat this process on the other side. Now tighten the 1/2" Hex Nuts, put on the 1/2" Acorn Nut and lightly tighten. Do not over tighten. Place Left Gusset Bracket and attach with 2 - 3/8" x 3 1/2" Hex Lag Screw with 3/8" Flatwashers on them. Repeat this process for the Right Gusset Bracket on other side.

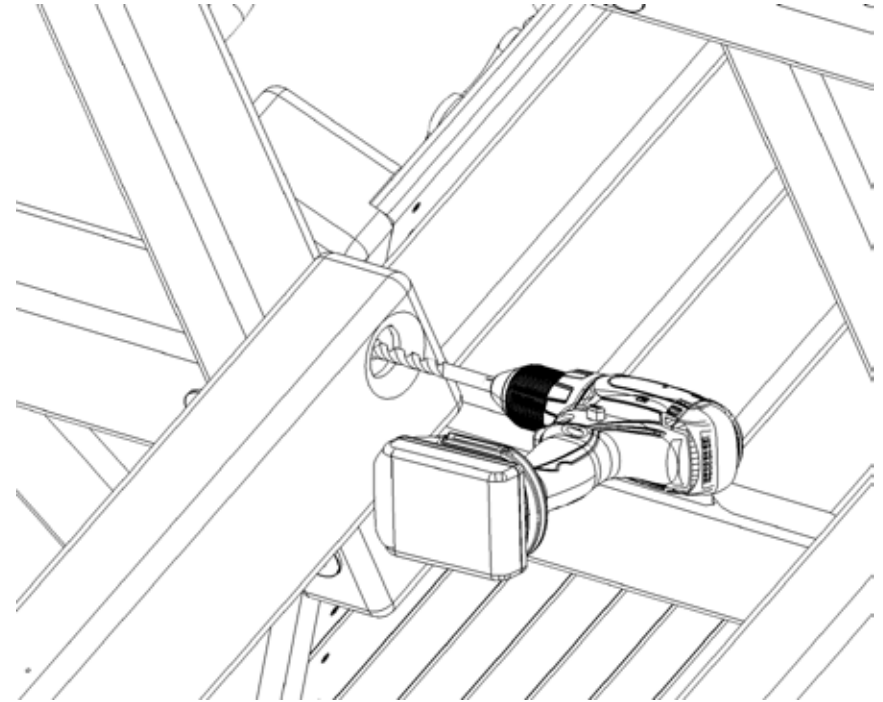
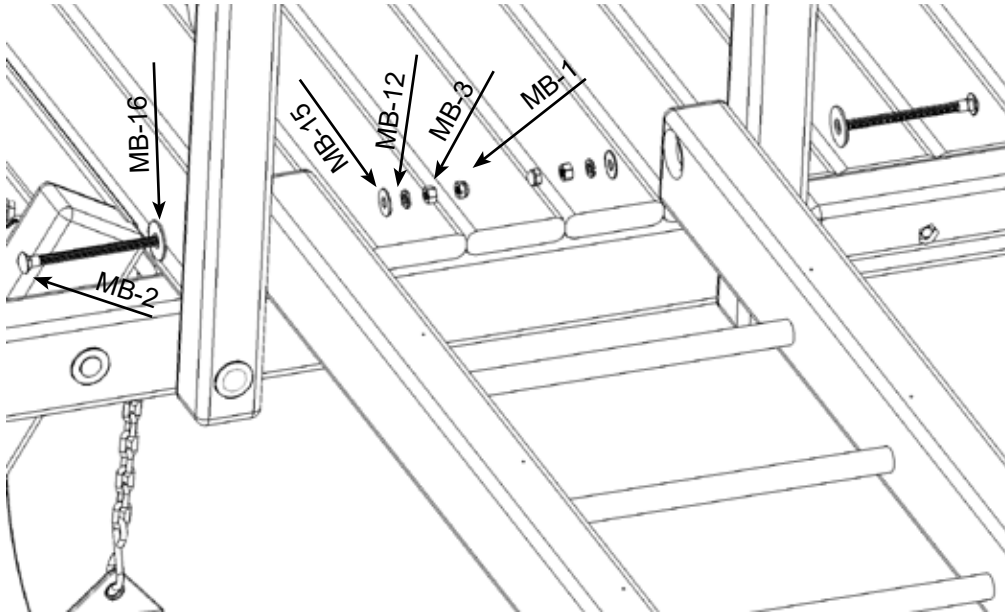


Remove the 1/2" x 7" Carriage Bolt and Hardware from the Corner Post. Then line up Monkey Bar Overhead countersunk holes with the holes in the Playcenter as seen above. Place a 1/2" Washer over the 1/2" x 9" Hex Bolt and then insert thru the Front Beam, then thru the Corner Post, and into the countersunk hole in the Monkey Bar Overhead. Place a 1/2" Washer, 1/2" Lockwasher over the 1/2" x 9" Hex Bolt end inside the Monkey Bar Overhead. Thread the 1/2" Hex Nut on to the 1/2" x 9" Hex Bolt. Place Right Gusset Bracket and attach with 2 - 3/8" x 3 1/2" Hex Lag Screw with 3/8" Flatwashers on them.

6.5 & 7.5 Monkey Bar Assambly

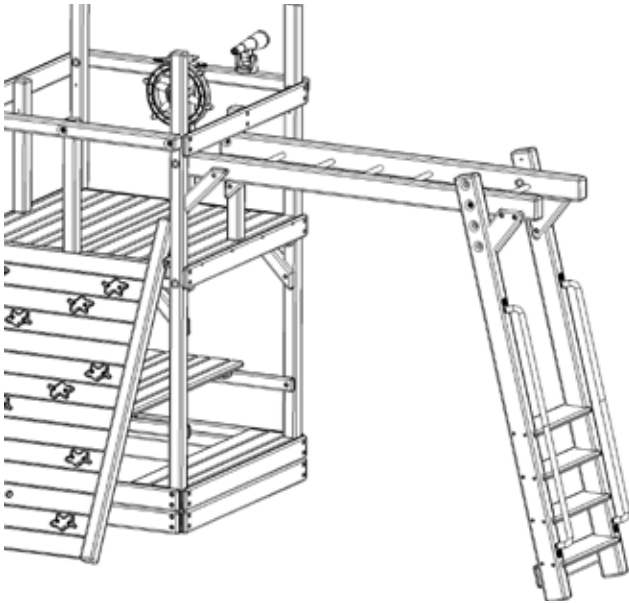
HARDWARE NEEDED

MB-1- 1/2"-13 Acorn Nut Plated-	(2)	MB-2- 1/2"-13 x 7" Cariage Bolt-	(2)
MB-3- 1/2"-13 Hex Nut-	(2)	MB-12- 1/2" Split Lockwasher-	(2)
MB-15- 1/2" Uss Flatwasher-	(2)	MB-16- 3/4" Uss Flatwasher-	(2)

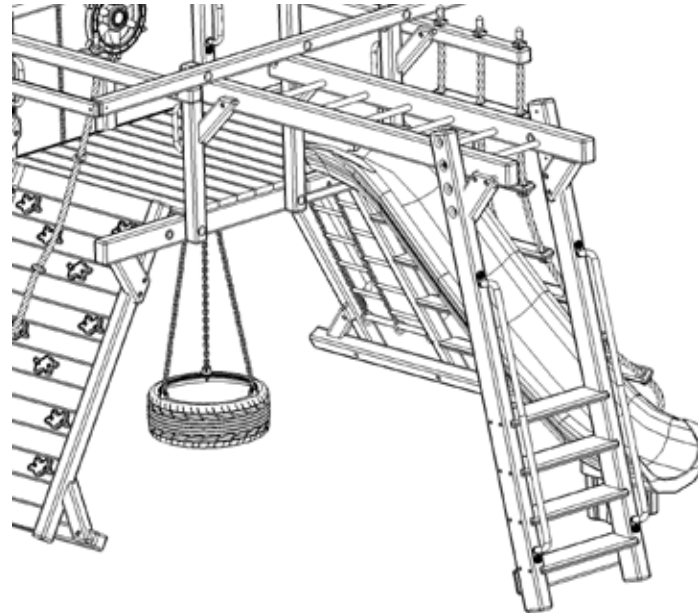


Set the Monkey Bar overhead on the deck(Fort) or line up the bottom of the Monkey Bar Overhead with the top of the Deck(Playcenter) and insert Monkey Bar Overhead in between the Corner Post and the Center Post. Make sure the ends of the Monkey Bar Overhead is flush with the inside of Corner Post and Center Post and then drill (see Figure 2) thru the Monkey Bar Overhead countersinks thru the Corner Post and Center Post. (On a playcenter swingset you will need to remove the Gusset on the Corner Post prior to drilling and then put the Gusset back on once all the Hardware is installed and tightened.) Place a 3/4" Flatwasher over a 1/2" x 7" Carriage Bolt and then insert thru the hole into the countersunk hole in the Monkey Bar Overhead. Place a 1/2" Washer, 1/2" Lockwasher over the 1/2" x 7" Carriage Bolt end inside the Monkey Bar Overhead. Thread the 1/2" Hex Nut on to the 1/2"x 7" Carriage Bolt. Repeat this process on the other side. Now tighten the 1/2" Hex Nuts, put on the 1/2" Acorn Nut and lightly tighten. Do not over tighten.

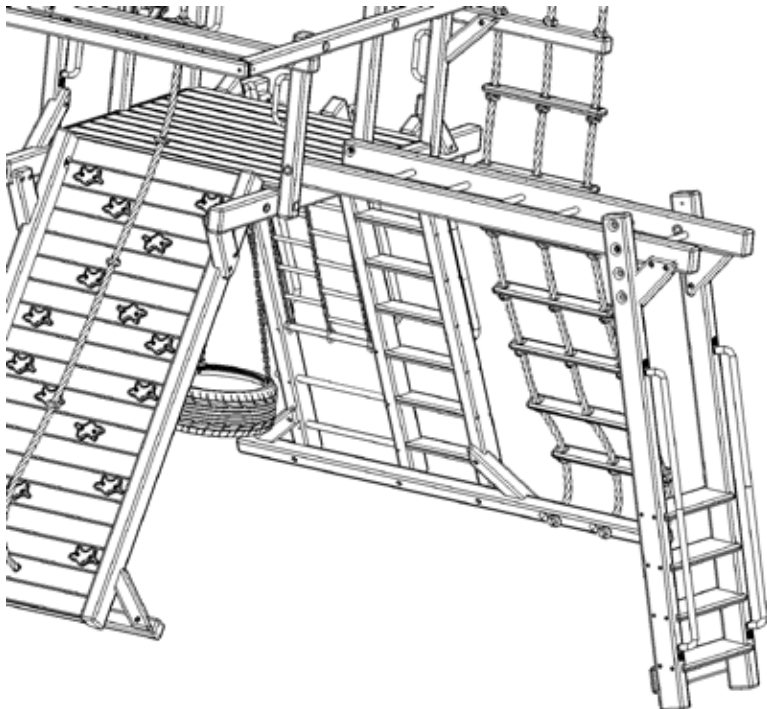
5.8 Jaguar Fort-Monkey Bar



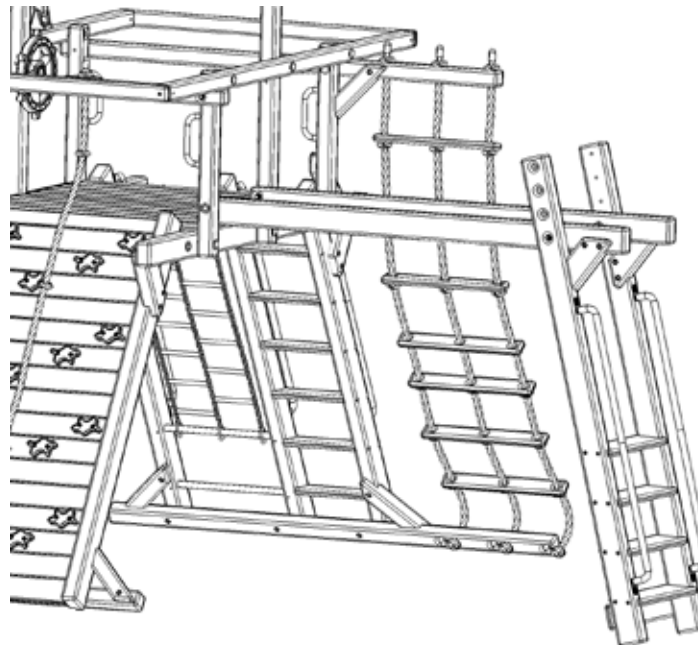
5.8Jaguar Playcenter-Monkey Bar



7.5 Jaguar Playcenter-Monkey Bar



6.4 Jaguar Playcenter-Monkey Bar



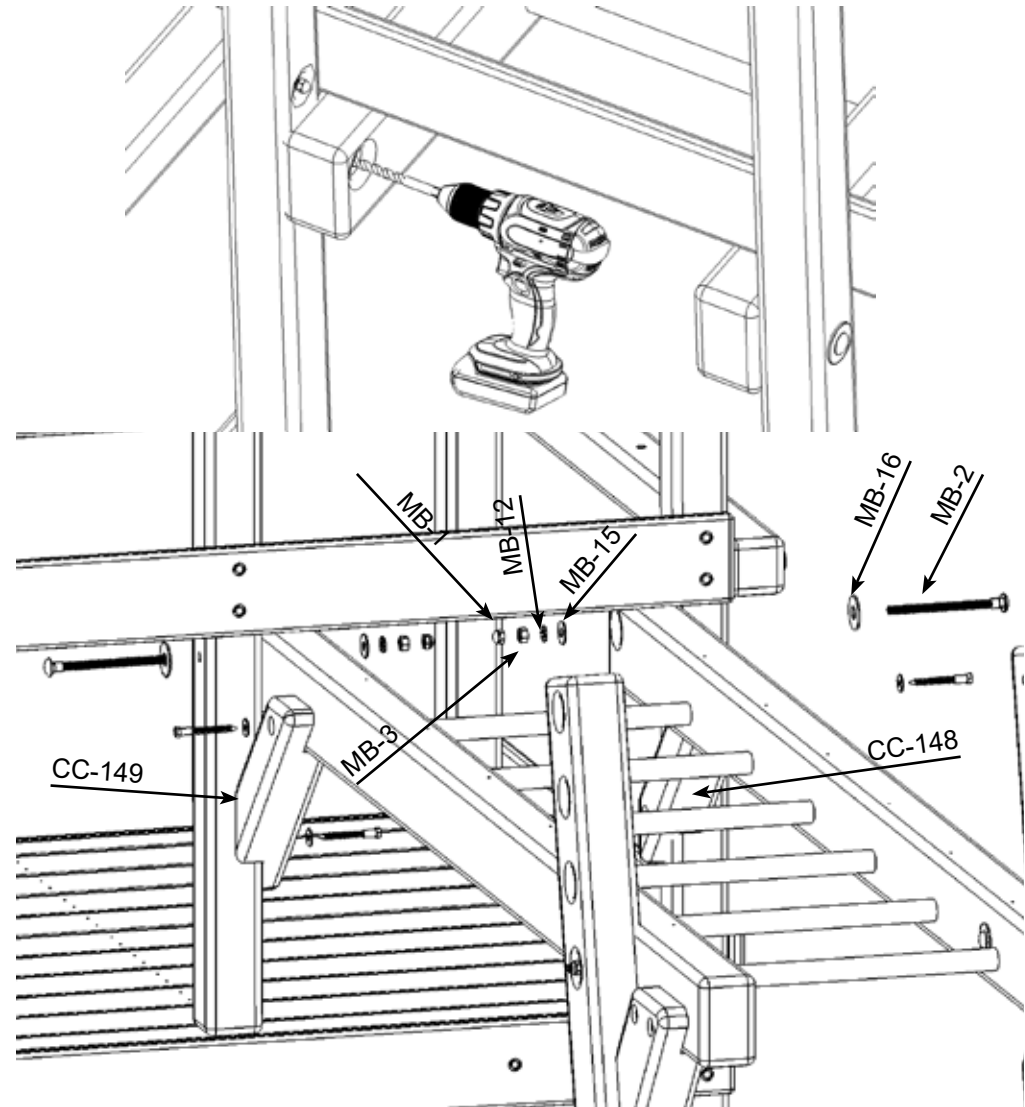
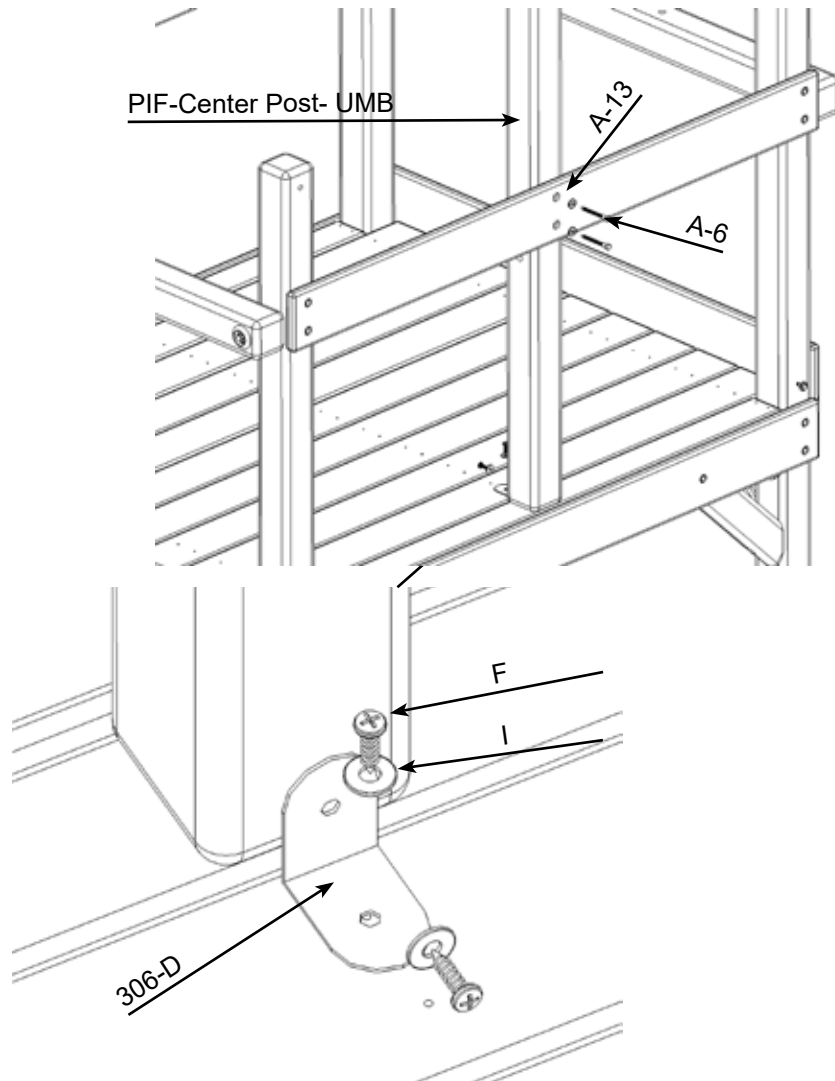
Parrot Island Fort

PARTS NEEDED

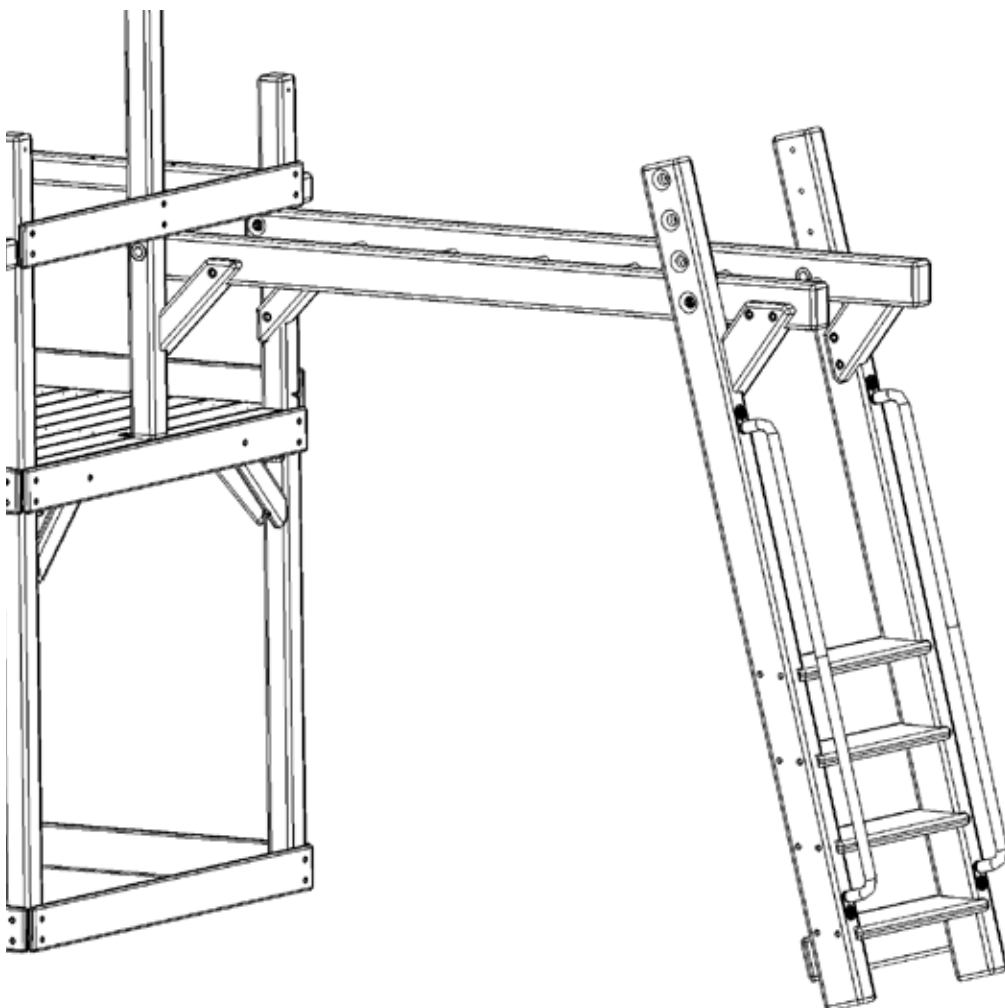
PIF- Center Post-UMB (1)
 306-D Small 90 Degree Bracket (1)
 CC-149 Left Gusset (1)
 CC-148 Right Gusset (1)

HARDWARE NEEDED

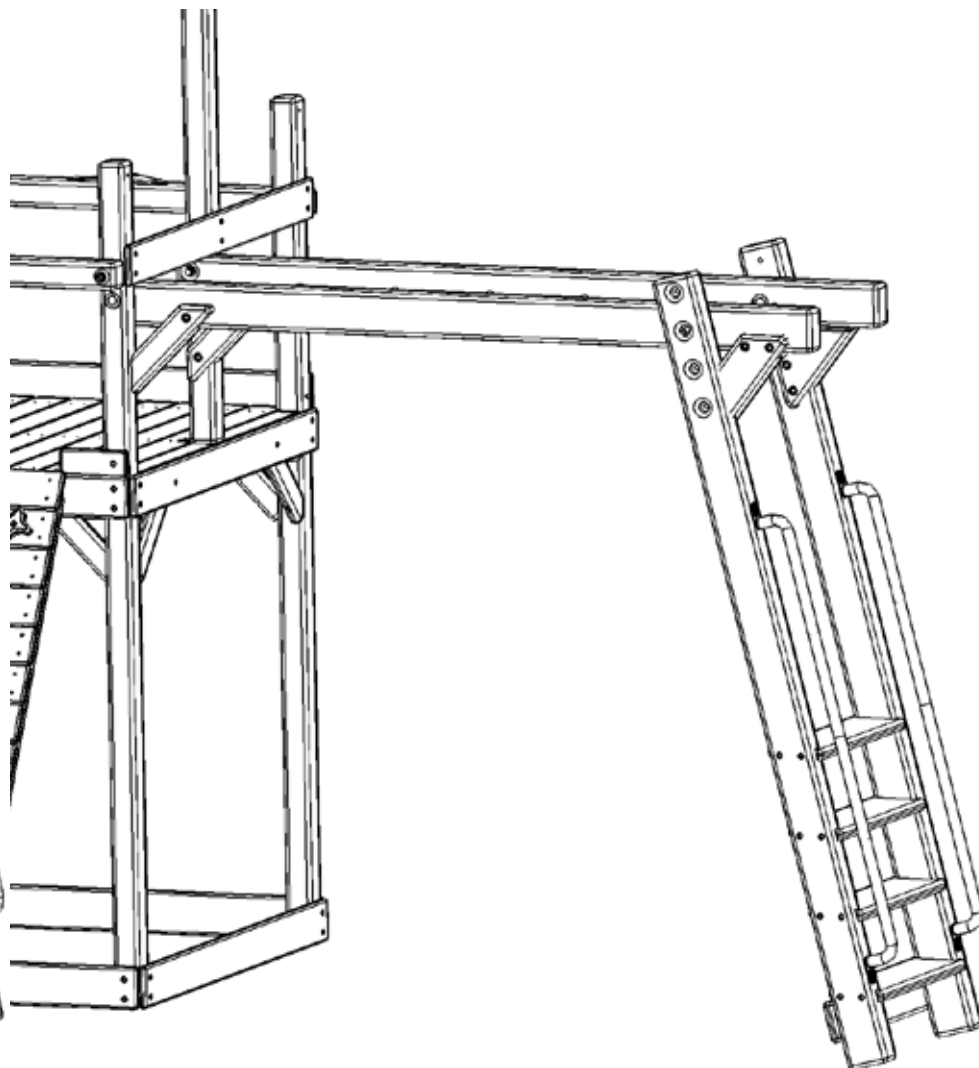
MB-1 1/2"-13 Acorn Nut Plated (2)	MB-2 1/2"-13 x 7" Carriage Bolt ZP (2)
MB-3 1/2"-13 Hex Nut ZP (2)	MB-10 #14 x 2" Pan Phillip T/S ZP (4)
MB-12 1/2" Split Lockwasher ZP (2)	MB-13 1/4" Uss Flatwasher ZP (4)
MB-15 1/2" Uss Flatwasher ZP (2)	MB-16 3/4" Uss Flatwasher ZP (2)
MB-6 1/4" x 3" Hex Lag Screw ZP (2)	MB-13 1/4" Uss Flatwasher ZP (2)
F- #14 x 1" Pan Phillips T/S (2)	I- 1/4" Uss Flatwasher (2)



5.0 Parrot Island Fort



5.8 Parrot Island Fort



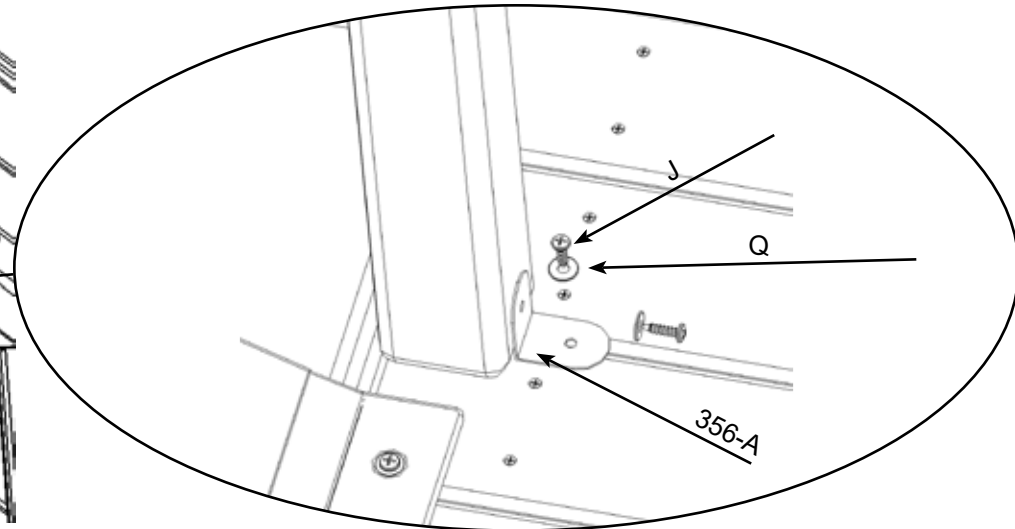
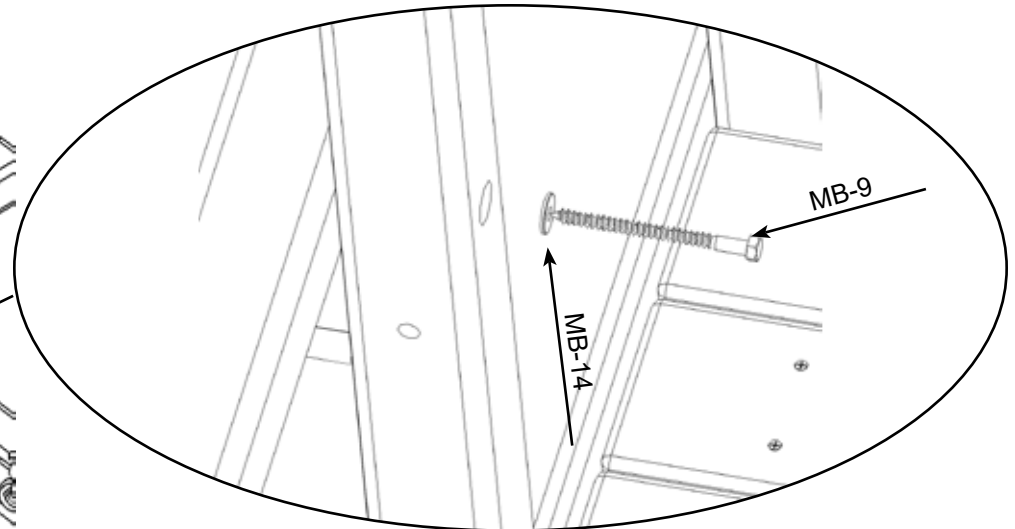
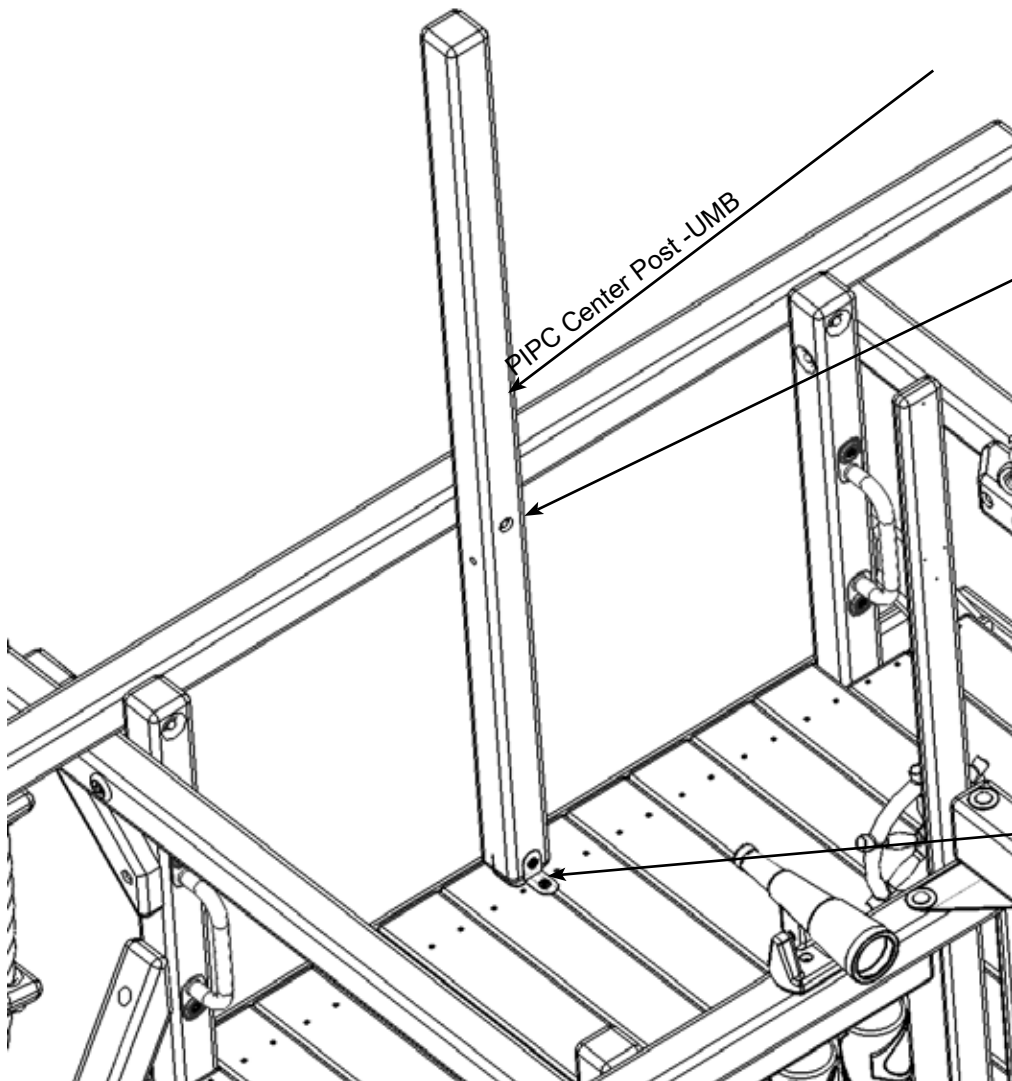
Parrot Island Playcenter Center Post - UMB

PARTS NEEDED

PIPC Center Post - UMB (1)
356-A 90Degree Bracket (1)

HARDWARE NEEDED

MB-9 3/8" x 5" Hex Lag Screw ZP (1)	MB-14 3/8" Uss Flatwasher ZP (1)
J- #14 x 1" Pan Phillips T/S ZP (2)	Q- 1/4"Uss Flatwasher ZP (2)



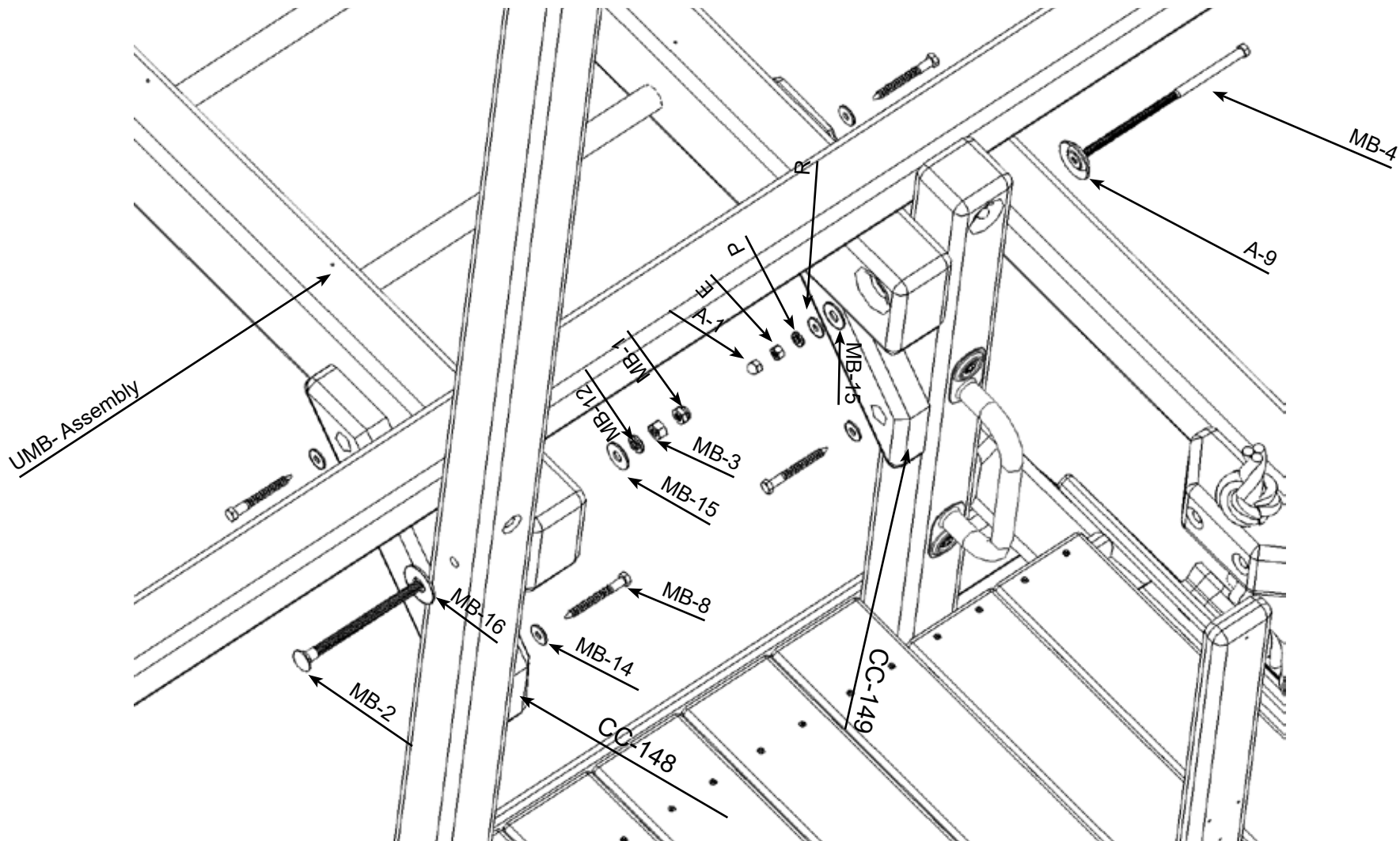
Parrot Island Playcenter - Monkey Bar

PARTS NEEDED

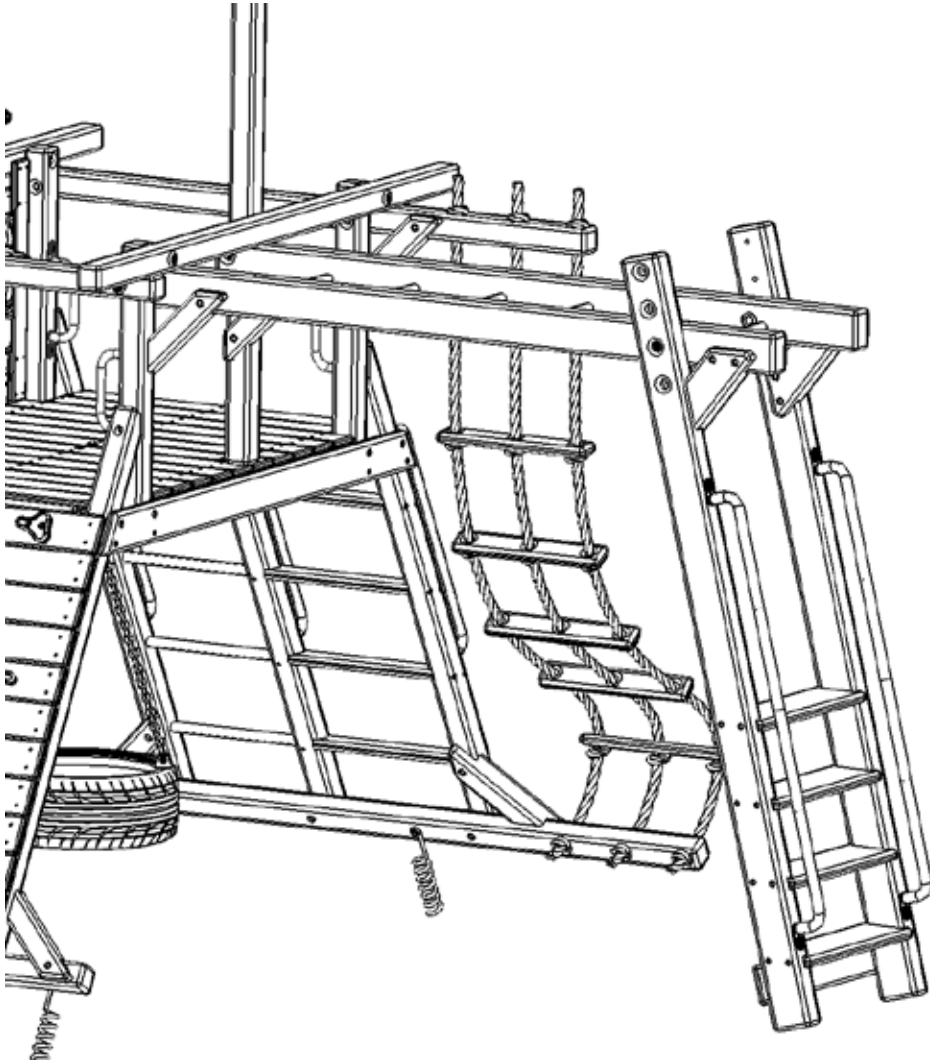
UMB-Assembly
 CC-149 Left Gusset (1)
 CC-148 Right Gusset (1)

HARDWARE NEEDED

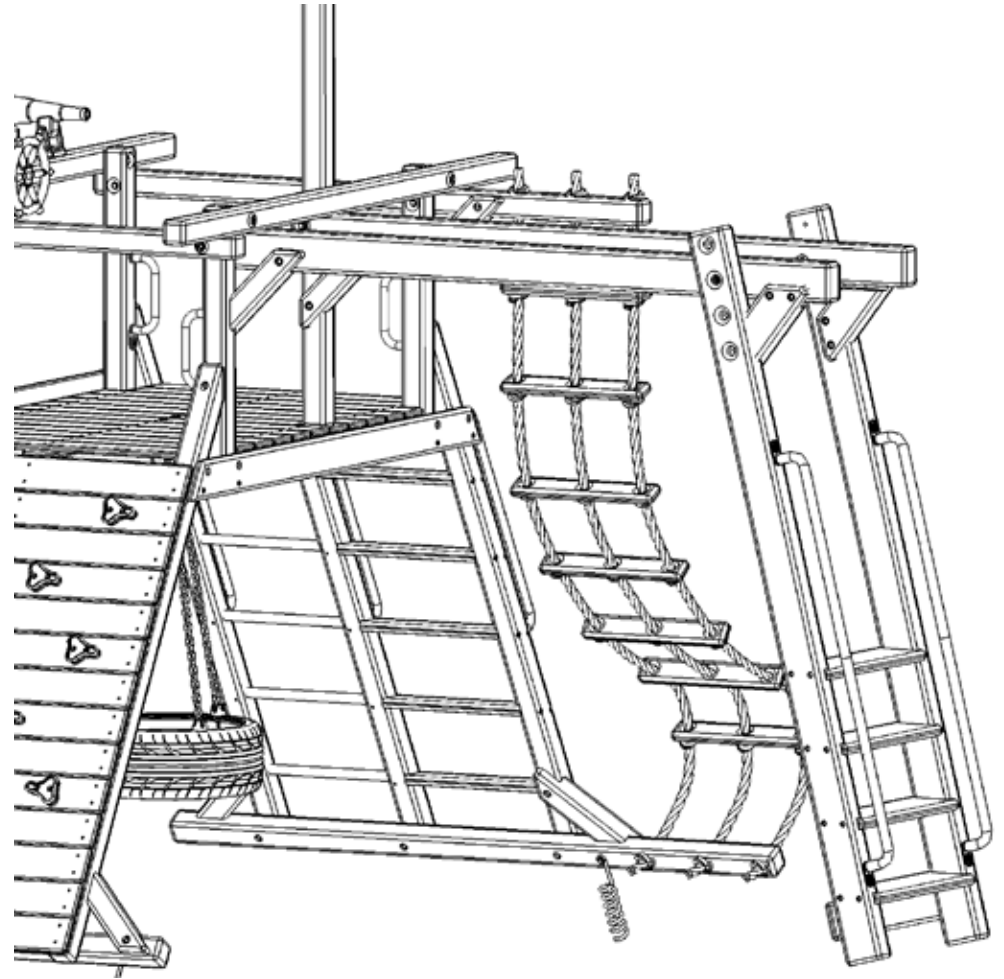
MB-1	1/2"-13 Acorn Nut Plated	(1)	MB-2	1/2"-13 x 7" Carriage Bolt ZP	(1)
MB-3	1/2"-13 Hex Nut ZP	(1)	MB-4	3/8"-16 x 10 Hex Bolt ZP -6" of Thread	(1)
MB-12	1/2" Split Lockwasher ZP	(1)	MB-15	1/2" Uss Flatwasher ZP	(2)
MB-16	3/4" Uss Flatwasher ZP	(1)	MB-8	3/8" x 3 1/2" Hex Lag Screw ZP	(4)
MB-14	3/8" Uss Flatwasher ZP	(4)	A-1	3/8" Acorn Nut Plated	(1)
A-9	3/8" Bolt Cup	(1)	E-	3/8" Hex Nut ZP	(1)
P-	3/8" Split Lockwasher ZP	(1)	R-	3/8" Uss Flatwasher ZP	(1)



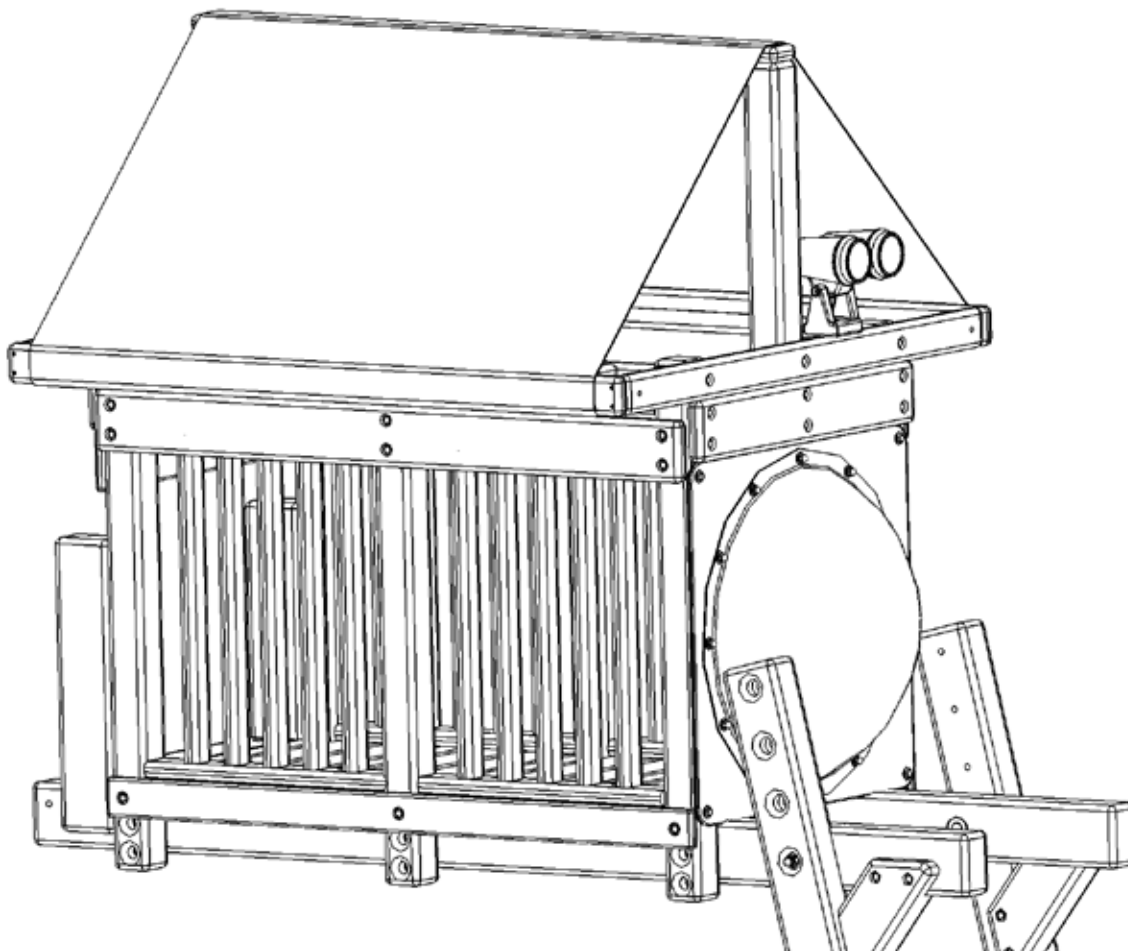
5.0 PI PLayer Monkey Bar



5.8 PI Playcenter Monkey Bar



UNIVERSAL LOFT INSTALLATION MANUAL



4465 West Sam Houston Parkway N.
Houston, Texas 77041
WWW.TREEFROGSSHOWROOMS.COM

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VER. 1:20

Sections

- Section 1: Cover & Liability Info
- Section 2: Product Parts
- Section 3: Sub-Assemblies
- Section 4: Main Assembly
- Section 5: Roof Options

IMPORTANT - PLEASE READ

As fresh lumber acclimates to its new environment, the natural tendencies of the tree can show itself in the form of checks, or “cracks” in the lumber. In almost all cases this is normal and it will not affect the structural integrity of your play set.

Cosmetic defects that do not affect the structural integrity of the product, or natural defects of wood such as warping, checking or any other physical properties of wood that do not present a safety hazard, are not covered by this warranty.

Defects that develop because the product is exposed to extreme climate conditions are not covered by this warranty. Defects that develop as a result of faulty or improper installation of the product are also not covered by this warranty.

Most cracks are not warrantable, however if you believe that the integrity of your play set is compromised by this natural occurrence, please contact the Tree Frogs Swing Set Dealer that you purchased your swing set from.

We appreciate your purchase and know that you will enjoy your play system for many years to come.

Tools Needed for Assembly

Tape Measure	24" Level	Angle Square
Phillips Screw Driver	3/8" Cordless Drill or Electric Drill	3/8" Drive Ratchet or Electric Impact Gun
Claw Hammer or Rubber Mallet	Pliers or Vise Grips	7/16" Deep Well Socket
9/16" Deep Well Socket	3/4" Deep Well Socket	1/8", 1/4", and 9/16" Drill Bits
Phillips Head Screw Bits	An Adult with two Adult Helpers	

Please familiarize yourself with the install manual, parts/components and general construction process of your new swing set before getting started. Approximate assembly time: 6 to 8 hours. 6 foot unobstructed safety perimeter around swingset recommended.

Pre-Assembly Hints

- Depending on your experience, assembly of our play sets can take as little as 6 hours up to 24 hours, depending on size, after inventory of parts; therefore, we recommend you set aside a full two days for assembly.
- Identify all of the parts for your play set. Empty each box and lay out boards so you can see each part. Your instruction book will have detailed drawings that will make it easy for you to recognize individual parts. Keep all hardware and metal parts separate from wooden pieces.
- After everything is laid out, check carefully to ensure all parts are present. Make sure there are no broken boards.
- Find an area to sort your hardware. It is best to open the hardware on a solid surface so that you do not lose any pieces in the grass.
This will save time and familiarize you with all the different pieces in the hardware bag.
- ****Important note: Wood has some natural defects such as knots, surface cracks, etc... We reject parts that are structurally defective. We use a high quality lumber in our structures; however, you should inspect each part for splinters or rough spots and sand them smooth to prevent injury.****
- After familiarizing yourself with all of the components, read all instructions thoroughly. Reading instructions after you have studied the parts will help you understand more clearly the installation process, and help to eliminate unnecessary mistakes.
- Pay close attention to the diameter and length of each bolt and screw.
- Never tighten hardware completely at first. It helps to have some adjustment for bolt alignment while you are attaching parts together. After everything is square, tighten each joint.
- After the main unit is assembled it is critical that the floor is level and square. If the main frame is not level, the walls and floor will be out of square.
- After you complete installation, make sure every bolt, screw, and nut is tight, and every board is secure. Wood will expand and contract with the seasons.
- Place the set on level ground, not less than 6ft from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines, or electrical wires.
- All 1/4" and 3/8" lag bolts must have pre-drilled holes 1-1/2" to 2" deep. Use a 1/8" drill bit for the 1/4" lag bolts and 1/4" drill bit for 3/8" lag bolts. Use pre-drilled holes in facias as a reference for placing lag bolt pilot holes.
- If a board lifts or rises causing a gap between boards when running in lag bolts or screws, back out the screw or lag bolt and press or apply pressure (but not enough to crack or break board) while re-running in the lag bolt or screw in the same hole.
- Do not over tighten bolts, lag bolts or screws. You can damage boards, break hardware, and/or strip out the hardware.
- When using hammer do not beat on the hardware, but gently tap it in. Never beat on the wood as it will leave marks.

Leveling Your Swing Set During Assembly

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

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

Choosing A Location For Your Playset

When choosing a location for your swing set, always keep your child or children's safety in mind. Here are some recommendations to help you locate and install a safe play area.

- This play set is designed for the use of 4 occupants who have a combined weight not exceeding 800 pounds on the elevated floor; 3 occupants who have a combined weight of 525 pounds on the swing area; for a total Unit capacity of 5 occupants who have a combined weight of 1325. (this weight is not including the picnic table area)
- On-site adult supervision is required.
- The swing set should be located on level ground. The stationary components such as ladders and slides are required to be a minimum of six feet from any structure or obstruction such as a fence, garage, house, tree, overhanging branches, electrical wires, clotheslines, etc. Any swinging equipment is also required to be a minimum distance twice the height of the swing beam away from these obstructions or structures as well. The swing set should be located a safe distance from any water hazards, such as a lake, river, bayou, swimming pool, etc.
- Do not install this residential swing set in a commercial setting. This swing set is not manufactured for commercial usage and will void all warranties. Tree Frogs Wooden Swing Set Factory is not responsible for any damages or injuries resulting from this swing set being used in a commercial setting.
- Never install this swing set indoors; or over concrete, asphalt, packed earth, grass, carpet or any other hard surface. A fall onto a hard surface can result in serious or fatal injury.
- The U.S. Consumer Product Safety Commission (CPSC) recommends that you install and maintain a resilient surface under your swing set. The CPSC's Consumer Information Sheet for Playground Surfacing Materials is on the next page. A resilient surface, should be installed after the swing set has been completely assembled according to these instructions. The swing set must rest on solid ground. Please note that this swing set has a maximum fall height of 7'.

Maintaining Your Swing Set

Here are some maintenance tips required to insure safe play on your swing set for years of fun.

- At the beginning of each usage season and every two weeks during, check: nuts and bolts and tighten as needed, swing seats, chains, ladders, slides, rope and wood components for sign of deterioration and replace if necessary.
- On a yearly basis, we recommend that you coat your swing set with a sealant or preservative. You may also want to spot sand any areas prior to sealing.

**** Special note: Although we recommend that you reseal your swing set annually, you may have to touch up the high traffic areas and/or areas that have a high exposure to direct sunlight.****

- Be sure that the sealant you select is non-toxic and child safe. Your local Tree Frogs Wooden Swing Set Factory dealer may offer a complete power wash and reseal and maintenance program.
- Do not use line trimmers or "weed eaters" around your swing set. The line will remove both paint and wood from uprights and base pieces. Any damage resulting from this type of abuse is not covered under our limited warranty.
- Remove plastic swing seats and take indoors or do not use when temperature drops below 0°F.

Please keep this install manual for future reference.

To insure SAFE PLAY adults must teach children:

- Not to walk close to, in front of, behind, or between moving items.
- Not to swing empty swing seats.
- Not to swing sideways into the path of adjacent swings.
- Not to use the swing set in a manner other than that for which it is intended.
- Not to get off the equipment while it is in motion.
- Not to jump off the tower.
- Not to stand in the swing seats.
- Not to swing so high that chains become slack, or above the height of the swing support.
- Not to jump on a slide.
- Not to climb on top of the swing support.
- Not to attach to the swing set any item that is not specifically designed for use with the equipment, such as (but not limited to) jump ropes, clotheslines, pet leashes, cables, and chains. These may become strangulation hazards.
- To hold on to swings and climbers with both hands.
- To slide feet first, never head first.
- To watch for other children while swinging or playing near the swing set.

To also insure SAFE PLAY adults must:

- Limit climbing and swinging heights to each child's ability.
- Verify that suspended climbing ropes are secured at both ends.
- Verify that suspended climbing ropes cannot be looped back on themselves.
- Dress children appropriately for play. Use well-fitted shoes that do not have slippery soles.
- Avoid ponchos, scarves, hoods, loose fitting clothing, neckties, and any clothing with a drawstring. Serious injury could result should any part of the children's clothing become entangled in the swing set.
- Do not allow children to play wearing helmets.
- Remember that children are inventive. When they develop games that are unsafe, be alert and change the rules.

Weight limits for Treefrogs Swingsets

Fort Platform: 800 Lbs.Total Weight.

Swing Belts: 175 Lbs.

Trapeze: 125 Lbs.

Full Bucket Swing: 50 Lbs.

Toddler Bucket Swing: 50 Lbs.

Tire Swing: 125 Lbs. Total Weight

Rope Ladder: 75 Lbs.

Rock Wall: 150 Lbs.

All Slides: 125 Lbs.

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

CONSUMER INFORMATION SHEET FOR PLAYGROUND SURFACING MATERIALS

The U.S. Consumer 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 emergency rooms. Injuries involving this hazard pattern tend to be among the most serious of all playground injuries, and have the 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. However, it should be recognized that some injuries from falls will occur no matter what playground surfacing material is used.

Playground equipment should never be placed on hard surfaces such as concrete or asphalt. Grass may appear to be acceptable, but can turn to hard packed earth in areas of high traffic. Shredded bark mulch, wood chips, or fine gravel are considered to be acceptable shock absorbing surfaces when installed and maintained at a sufficient depth under and around play equipment.

TABLE 1 -CRITICAL HEIGHTS (in feet) OF TESTED MATERIAL

MATERIAL	UNCOMPRESSED DEPTH			COMPRESSED DEPTH
	6 Inch	9 Inch	12 Inch	
Wood Chips	7	10	11	10
Double Shredded Bark Mulch	6	10	11	7
Engineered Wood Fibers	6	7	>12	6
Fine Sand	5	5	9	5
Coarse Sand	5	5	6	4
Fine Gravel	6	7	10	6
Medium Gravel	5	5	6	5
Shredded Tires**	10-12	N/A	N/A	N/A

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

Table 1 should be read as follows: If, for example, uncompressed wood chips are used at a minimum of 6 inches, the Critical Height is 7 feet. If 9 inches of uncompressed wood chips are used, the Critical Height is 10 feet. It should be noted that, for some materials, the Critical Height decreases when the material is compressed. It is recommended that a shock absorbing material should extend a minimum of 6 feet in all directions from the perimeter of stationary equipment such as climbers and slides. However, because children may deliberately jump from a moving swing, the shock absorbing material should extend in the front and rear of a swing a minimum distance of 2 times the height of the pivot point measured from a point directly beneath the pivot on the supporting structure.

This 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 the playground equipment, the availability in your area, and its cost.

This information has been extracted from the CPSC publications "Playground Surfacing-Technical Information Guide" and "Handbook for Public Playground Safety." Copies of these reports can be obtained by sending a postcard to:

Office of Public Affairs
U.S. Consumer Product Safety Commission
Washington, D.C. 20207

Toll-free Hotline: 1-800-638-2772 or at <http://www.cpsc.gov>

2018 TREE FROGS Limited Lifetime Warranty

Limited 10-Year Warranty, Limited 5-Year Warranty

Tree Frogs Warranties all Jaguar Playcenter Series, Bengal Forts Series, MegaDeck Fort Series Redwood components and Cedar components against structural failure due to warping, wood rot, insect infestation (excluding Carpenter Bees) or decay for the period of 10 Years from the date of original purchase. This warranty does not cover cracks, fissions, checks, fading, knots and weathering that are normal natural characteristics of wood, that do not affect the structural integrity of the product. The Redwood and Cedar components warranty is extended to a Limited Lifetime Warranty to the original owner upon registering this warranty within 90 days of purchase at www.treefrogsswingsets.com.

Tree Frogs Warranties all Parrot Island Fort Series, Parrot Island Playcenter Series, Rainforest Cottage Series Cedar components against structural failure due to warping, wood rot, insect infestation (excluding Carpenter Bees) or decay for a period of 10 Years from the date of original purchase. This warranty does not cover cracks, fissions, checks, fading, knots and weathering that are normal natural characteristics of wood, that do not affect the structural integrity of the product.

Tree Frogs Warranties all Toucan Fort Series, Toucan Playcenter Series, Orangutan Fort Series, Stand Alone Swings Cedar components against structural failure due to warping, wood rot, insect infestation (excluding Carpenter Bees) or decay for a period of 5 Years from the date of original purchase. This warranty does not cover cracks, fissions, checks, fading, knots and weathering that are normal natural characteristics of wood, that do not affect the structural integrity of the product.

In addition, a 10-Year Limited Warranty applies to all roto-molded slides, ductile iron swing hangers, tire swivels, metal climbing rungs and swing beam brackets against failure due to rust or failure in defect in material. Surface rust, fading, weathering, cracks/chips in coatings and corrosion that do not affect structural integrity are not covered by this warranty. Furthermore, a 5-Year Limited Warranty applies to all components & accessories including all swings, chain ladders, gliders, handles, brackets, bubble panels, tarps, steering/ships wheels, telescopes, binoculars, buoy ball, blow molded slides and disc seat that are not covered under the 10-Year Warranty to be free from defects in material and workmanship. Surface rust, fading, weathering, cracks/chips in coatings and corrosion that do not affect structural integrity are not covered by this warranty.

And for a period of 1-Year Tree Frogs warranties all ropes, structural foam molded slides to be free of defects in material and workmanship. Fading is not considered a defect and may occur with seasonal and geographical conditions.

****10-Year Warranty Exclusion:** Toucan Fort Series, Toucan Playcenter Series, Orangutan Series, Stand Alone Swings (Limite 5Yr/5Yr/1Yr WARRANTY).

This warranty is limited to a repair or replacement of the defective part. Product covered under this warranty will be shipped at the customer's expense. Tree Frogs is not responsible for any expense associated with freight, or delivery and installation of the warranted part(s). Tree Frogs reserves the right to inspect all warranty claim parts for which a claim has been made.

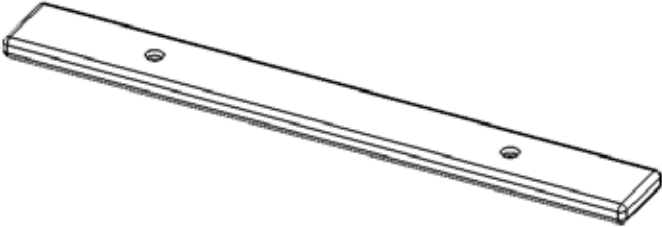
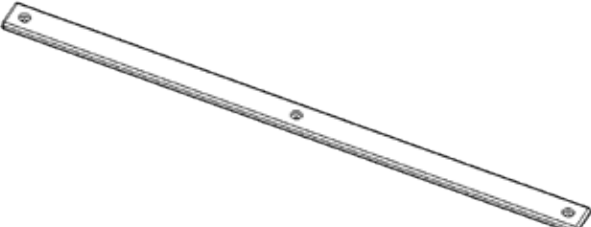
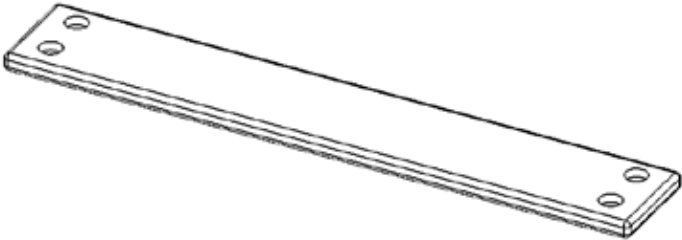
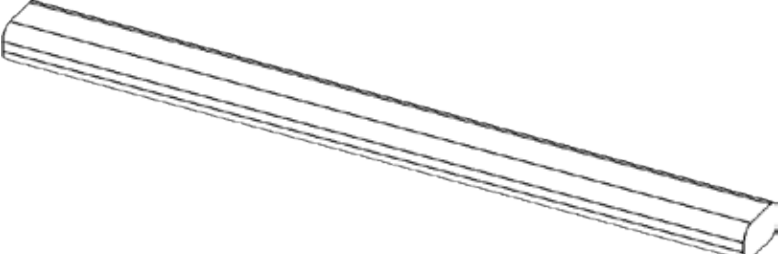
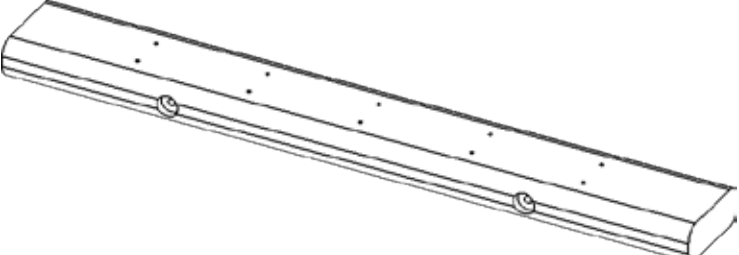
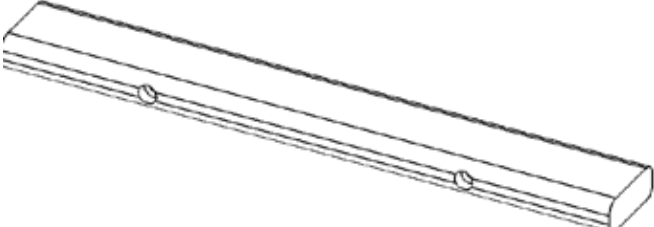
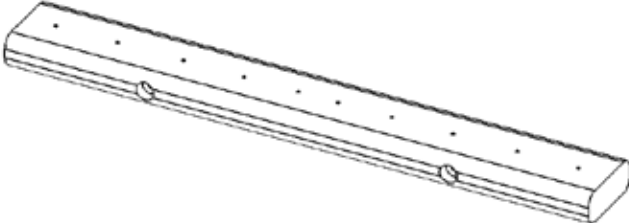
This limited warranty applies only to the original retail purchaser and for residential use only, non-residential use voids warranty. These warranties void when product is transferred or sold or no longer in possession by original owner. A copy of the original invoice must be presented to initiate warranty claim. This limited warranty does not cover damage from abuse, acts of God, vandalism, maintenance guideline neglect, alterations, normal wear & tear, use other than residential, unauthorized modification, damage due to moving of product or improper installation and or use. Any modification could damage the structural integrity of the play system and voids all warranties.

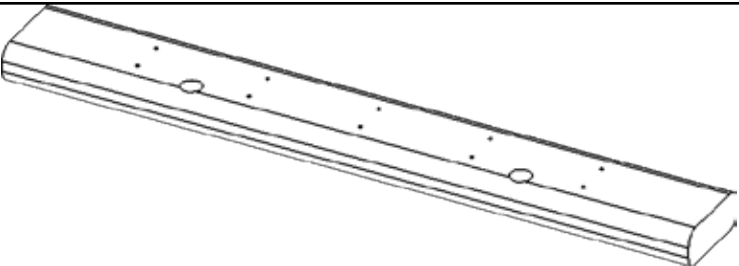
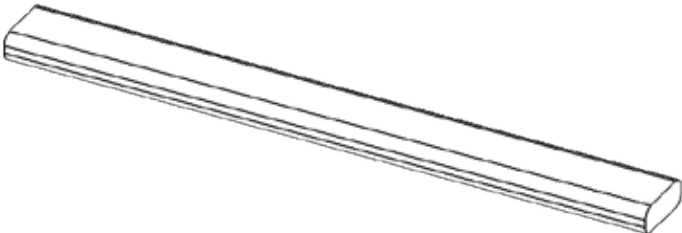
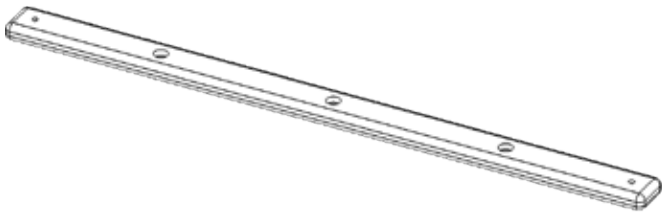


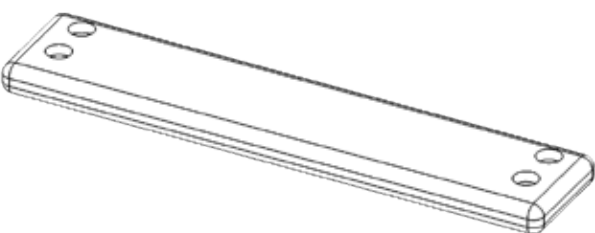
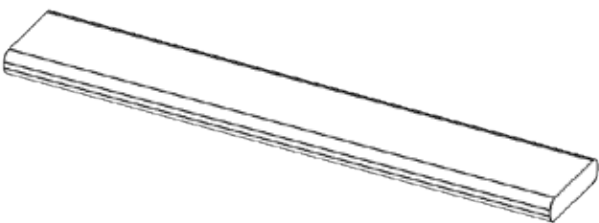
This warranty is exclusive and expressly in lieu of all other warranties, expressed or implied, including warranties of merchantability or fitness for use. Tree Frogs does not assume, or authorize any person to assume for us, any other liability in connection with the sale of our products.

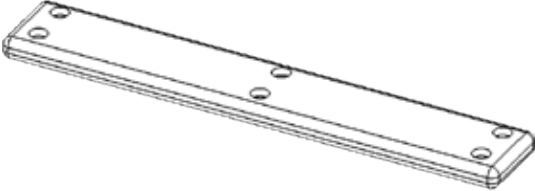
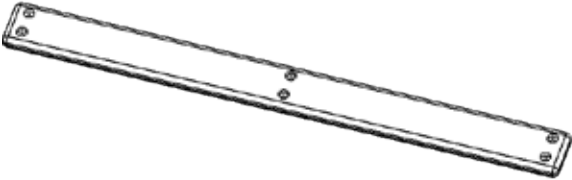



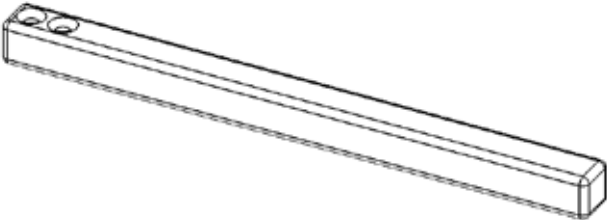
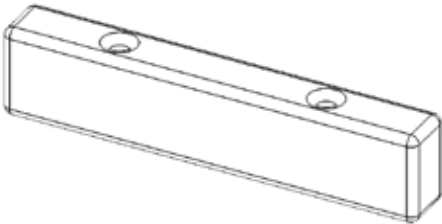
This warranty gives you specific legal rights, and you also may have other rights that vary from state to state. Register your play system's warranty at www.treefrogsswingsets.com.

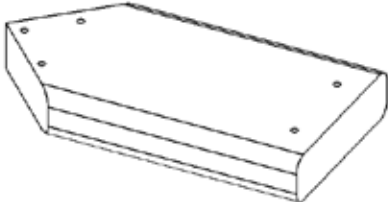

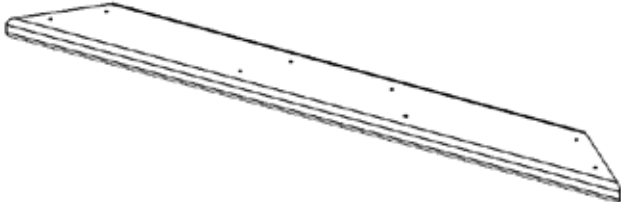
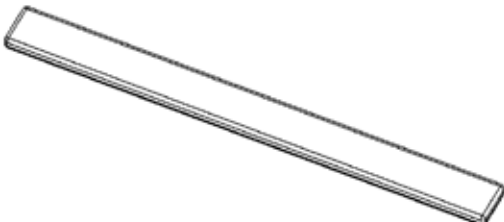
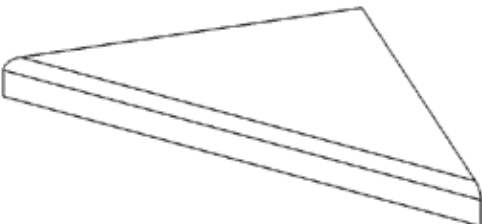
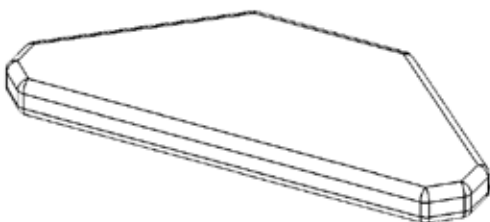

Tree Frogs reserves the right at any time to change product specifications or substitute similar components.

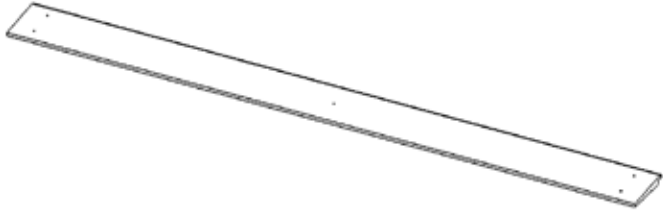
See your instruction manual for guidelines on regular maintenance. <http://treefrogsshowrooms.com/installation-manuals/>. Your child's play system & perimeter play zone should be inspected regularly for any wear & safety hazards.

KSI-045 Universal Loft Lumber	Description	QTY.
	(CC-021) 045-1 28" Spiral Slide Filler	2
	045-2 60 1/8" 3- Hole Facia	2
	(CC-062) 045-3 32" Entrapment Facia	1
	(CC-088) 045-4 27 1/2" Rail Spindle	20
	(CC-099) 045-5 25" Universal Rail Top	4
	(CC-101) 045-6 25" Universal Filler	4
	(CC-102) 045-7 25" Deck Runner	4

KSI-045 Universal Loft Lumber	Description	QTY.
	(CC-100) 045-8 25" Rail Bottom	4
	(CC-109) 045-9 32" Deck Board	2
	(CC-112) 045-10 53" Top Joist	2
	045-11 60 1/8" Tarp Center	1
	045-12 62 7/8" Tarp Side Facia	2
	(CC-138) 045-13 25" Entrapment Board	1
	(CC-139) 045-14 32" Deck Board	8

KSI-045 Universal Loft Lumber	Description	QTY.
	(CC-140) 045-15 32" 6-Hole Facia	2
	045-16 60 1/8" 6-Hole Facia	2
	(CC-141) 045-17 25" Entrapment Board	1
	(CC-181) 045-18 32 5/16" Tarp Upright	2
	(CC-180) 045-19 41" Center Upright	2
	(CC-179) 045-20 46" Corner Post	4
	(CC-194) 045-21 25" Entrapment Block	2

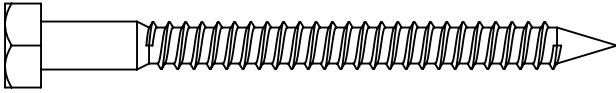
KSI-044 Universal Loft Wood Roof Lumber	Description	QTY.
	(CC-197) 044-1 6 5/16" Short Fan Board	4
	(CC-006) 044-2 8 7/16" Center Fan Board	2
	(CC-022) 044-3 28 3/4" Bottom Fan Board	2
	044-4 37" Center Support	2
	(CC-055) 044-5 11 1/16" Peak Support	2
	(CC-056) 044-6 11 7/16" Fan Cap	2
	(CC-110) 044-7 39 3/8" Wood Roof Support	4

KSI-044 Universal Loft Wood Roof Lumber	Description	QTY.
	044-8 62 7/8" Wood Roof Board	18

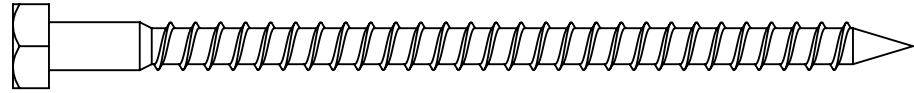
KSI-045 Universal Loft Hardware

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

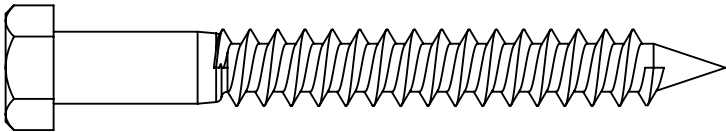
UL-1
1/4"x3" Hex Lag Screw ZP
QTY; 13



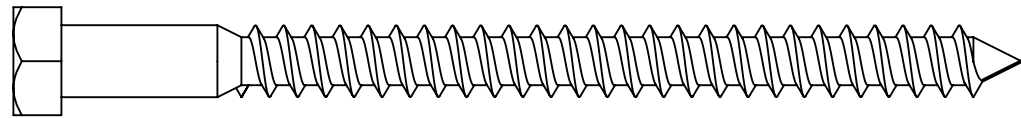
UL-2
1/4"x4 1/2" Hex Lag Screw ZP
QTY; 27



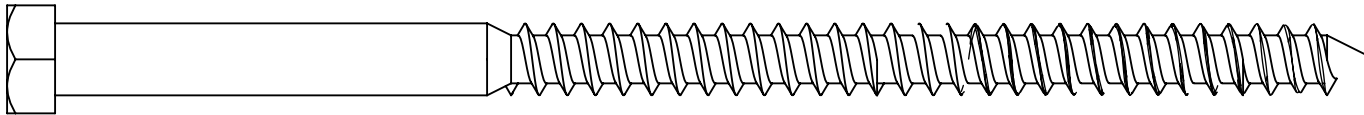
UL-3
3/8" x 3 1/2" Hex Lag Screw ZP
QTY; 49



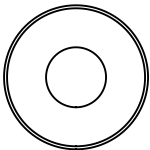
UL-4
3/8" x 5" Hex Lag Screw ZP
QTY; 12



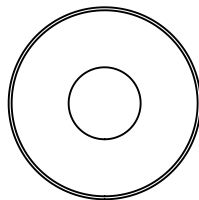
UL-5
3/8" x 7" Hex Lag Screw ZP
QTY; 4



UL-5
1/4" Uss Flatwasher ZP
QTY; 40



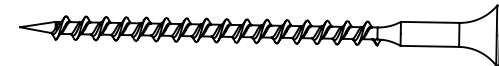
UL-6
3/8" Uss Flatwasher ZP
QTY; 65



UL-7
#2 & #3



Bag-B
#8 x 2 1/2" Coated Deck Screw
QTY; 130



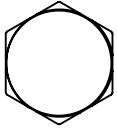
MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT

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

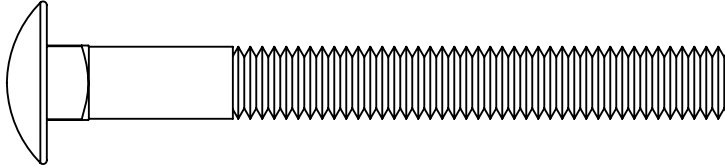
KSI-044 Universal Loft Wood Roof Hardware

INSTALLER NOTE: (YOU MUST ASSEMBLE THIS PRODUCT IN ACCORDANCE WITH THESE ASSEMBLY INSTRUCTIONS. WHEN COMPLETE GIVE MANUAL TO OWNER.)

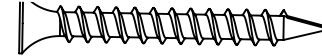
A-1
3/8" Acorn Nut Plated
QTY; 4



A-2
3/8" x 3" Carriage Bolt ZP
QTY; 4



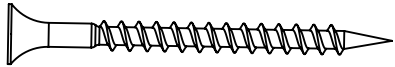
A-3
#8 x 1 1/2" Coated Deck Screw
QTY; 20



A-4
#8 x 1 5/8" Coated Deck Screw
QTY; 118



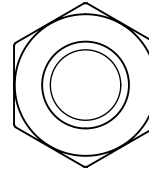
A-5
#8 x 2" Coated Deck Screw
QTY; 8



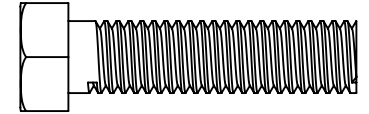
A-6
#8 x 2 1/2" Coated Deck Screw
QTY; 5



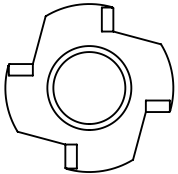
A-7
3/8"-13 Hex Nut ZP
QTY; 4



A-8
3/8" x 1/2" Hex Bolt ZP
QTY; 6



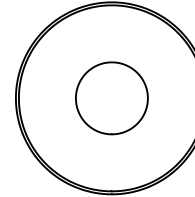
A-9
3/8"-16 x 7/16" 4 Prong Tee Nut ZP
QTY; 6



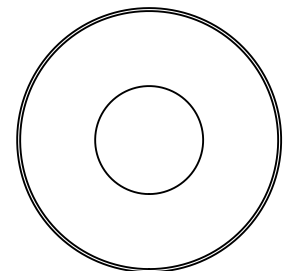
A-10
3/8" Split Lockwasher ZP
QTY; 4



A-11
3/8" Uss Flatwasher ZP
QTY; 10



A-12
1/2" Uss Flatwasher ZP
QTY; 4





A-13
#2 & #3



MEASUREMENT TAKEN FROM BOTTOM OF BOLT HEAD TO THE BOTTOM OF BOLT

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

Universal Loft - 045	Description	QTY.
	045-A Bubble Panel	1
	045-B Binoculars	1

Universal Loft- Sub Assemblies

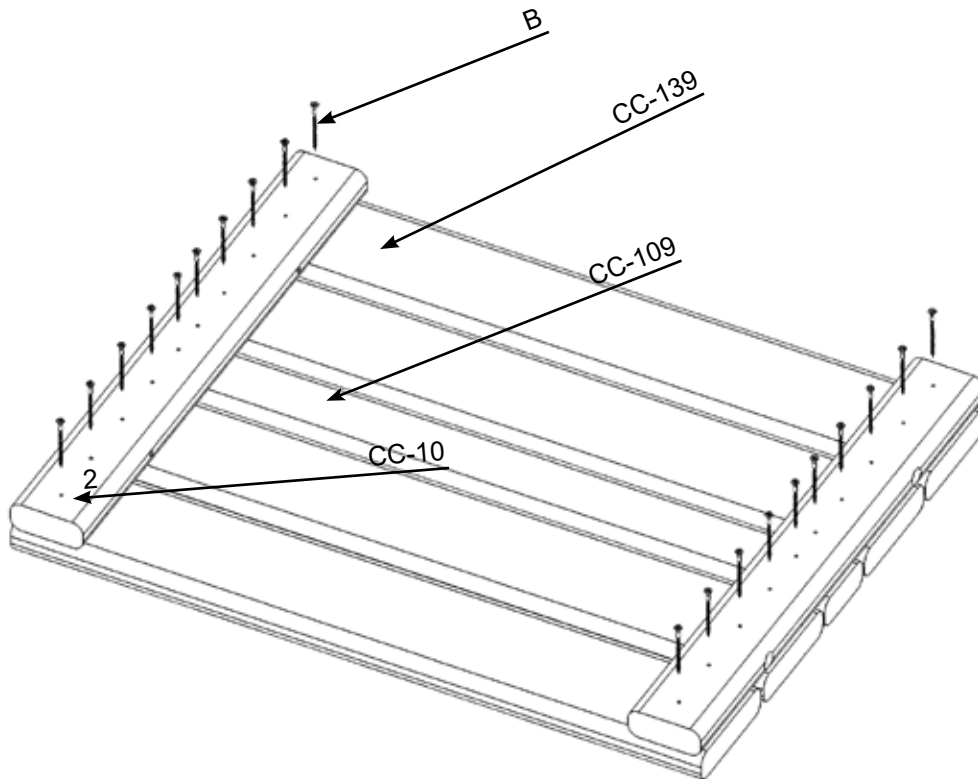
PARTS NEEDED

CC-088 Rail Spindle	(20)	CC-099 Universal Rail Top	(4)
CC-100 Rail Bottom	(4)	CC-102 Deck Runner	(4)
CC-109 Deck Board	(2)	CC-139 Deck Board	(8)

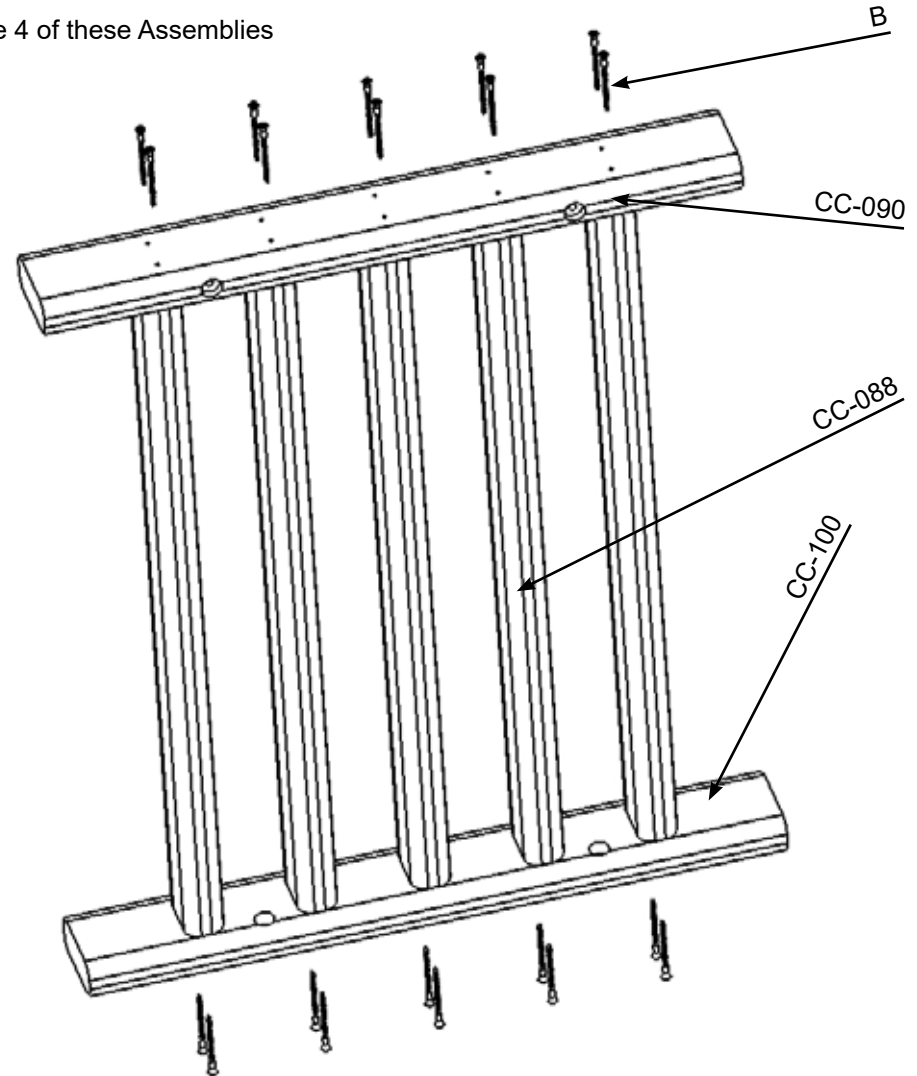
HARDWARE NEEDED

B- #8 x 2 1/2" Coated Deck Screw (120)

Make 2 of these Assemblies



Make 4 of these Assemblies



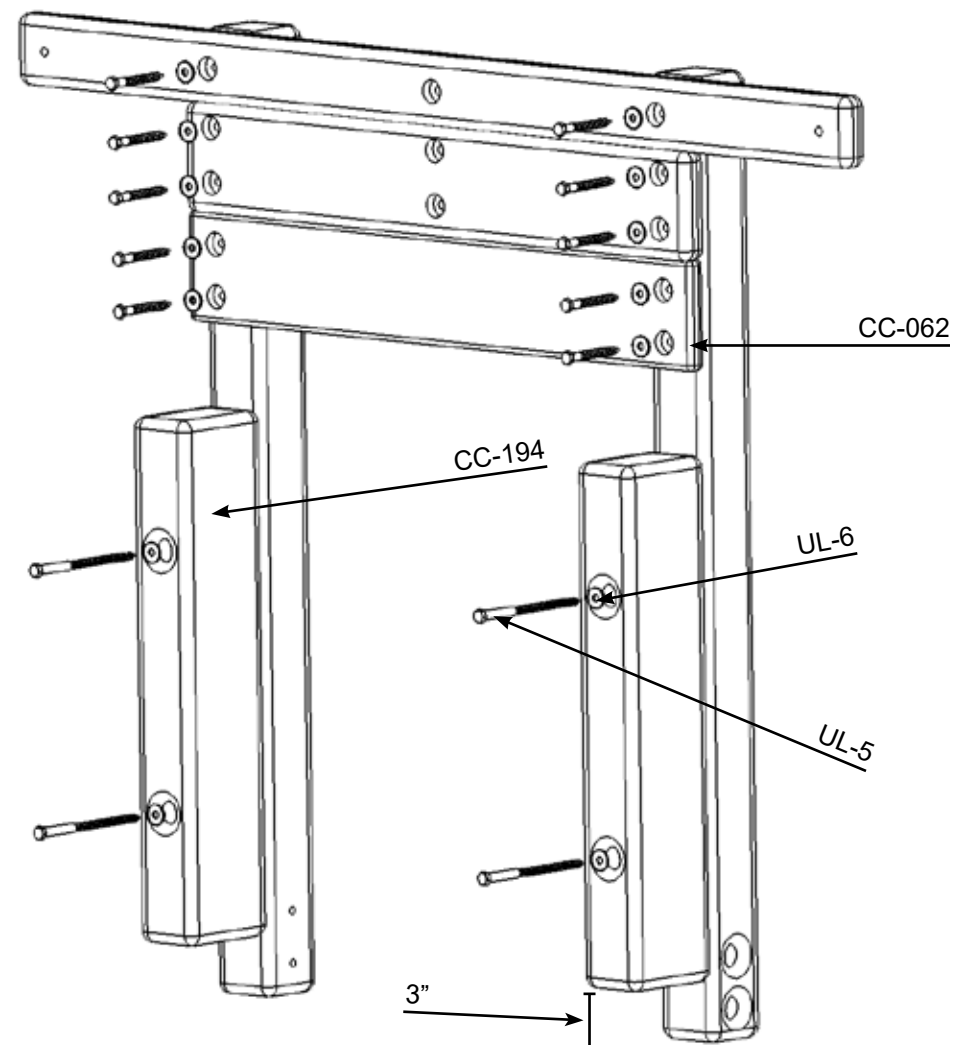
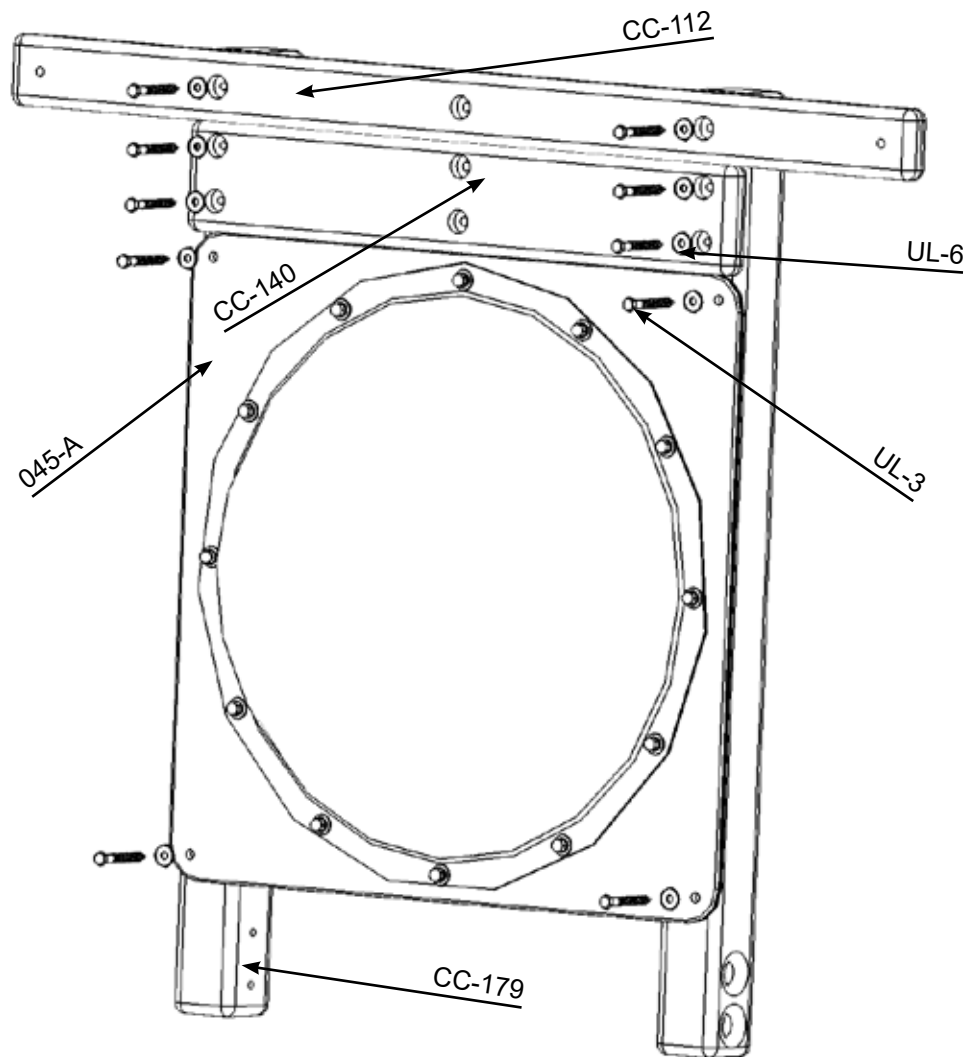
Universal Loft -Sub Assemblies

PARTS NEEDED

CC-062	Entrapment Board	(1)	CC-112	Top Joist	(2)
CC-140	6-Hole Facia	(2)	CC-179	Corner Post	(4)
CC-194	Entrapment Block	(2)	045-A	Bubble Panel	(1)

HARDWARE NEEDED

UL-3	3/8" x 3 1/2" Hex Lag Screw ZP	(20)	UL-5	3/8" x 7" Hex Lag Screw ZP	(4)
UL-6	3/8" Uss Flatwasher ZP	(24)			



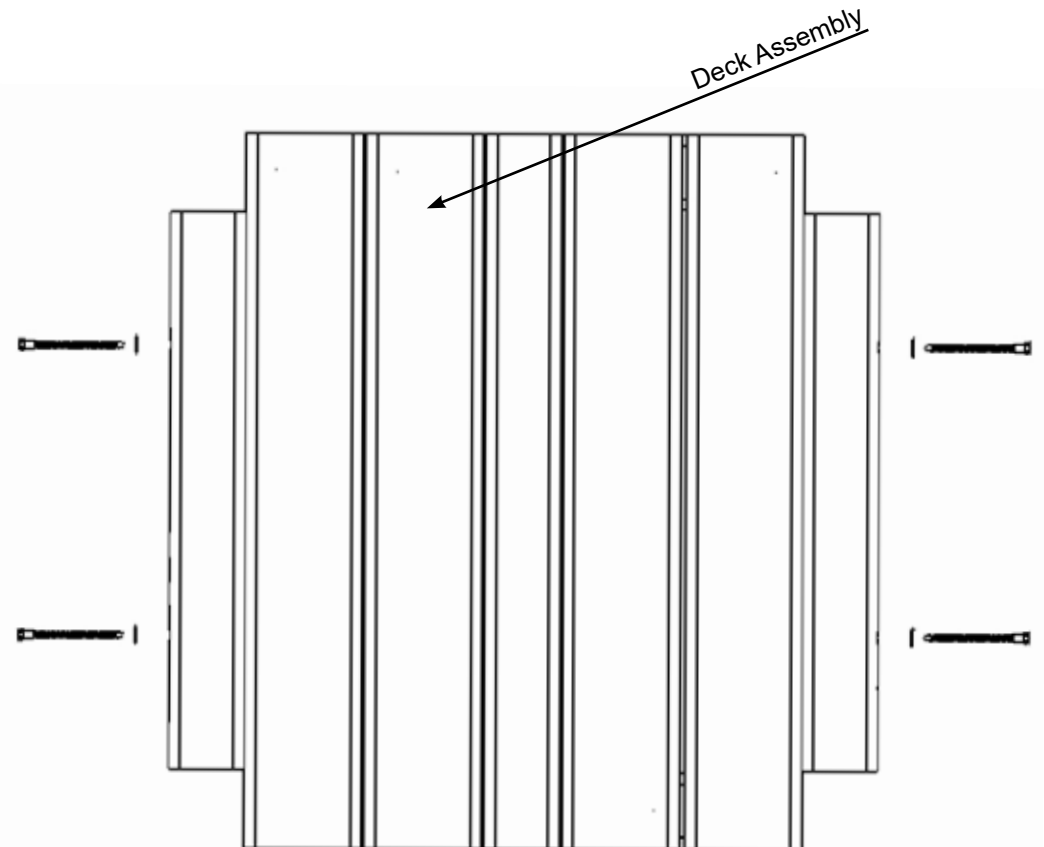
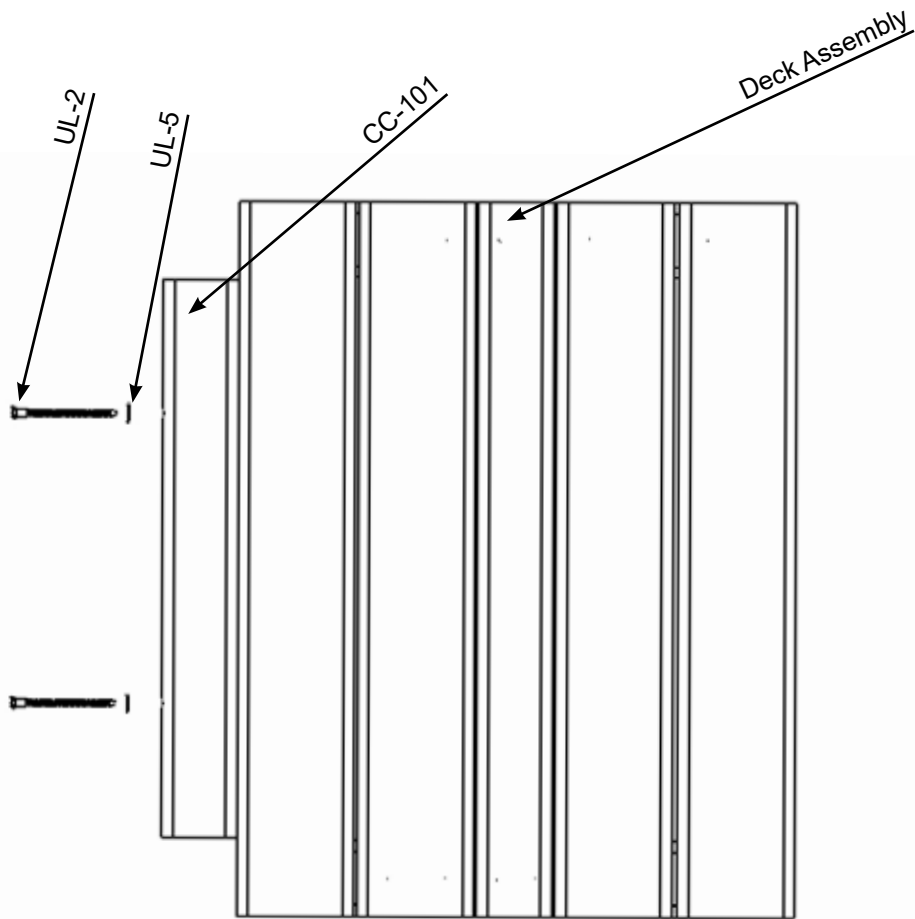
Universal Loft- Assembly

PARTS NEEDED

Deck Assembly (2)
CC-101 Universal Filler (3)

HARDWARE NEEDED

UL-2 1/4"x 4 1/2" Hex Lag Screw ZP (6)
UL-5 1/4" Uss Flatwasher ZP (6)



5' & 5.8 Loft

Playcenter

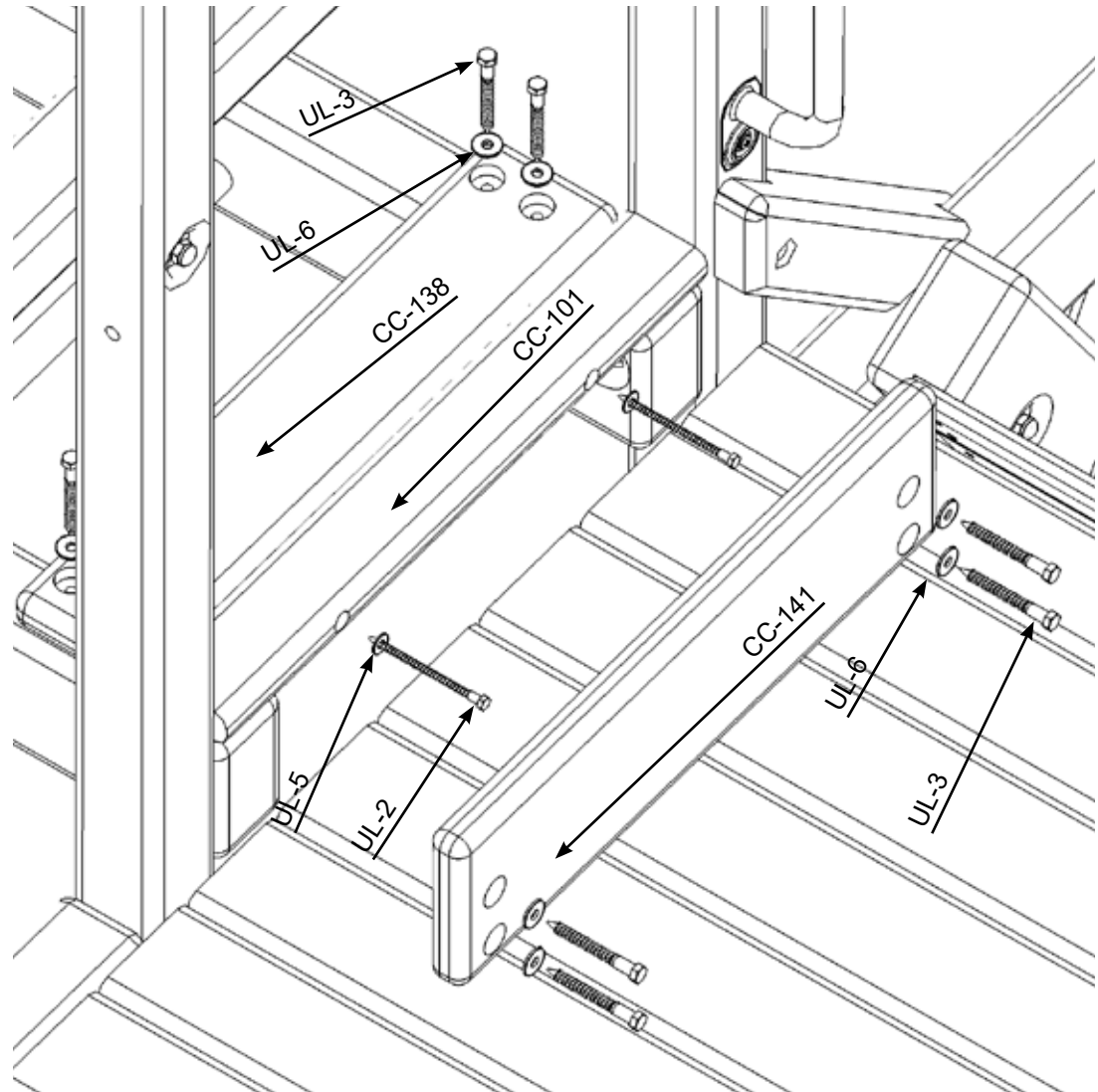
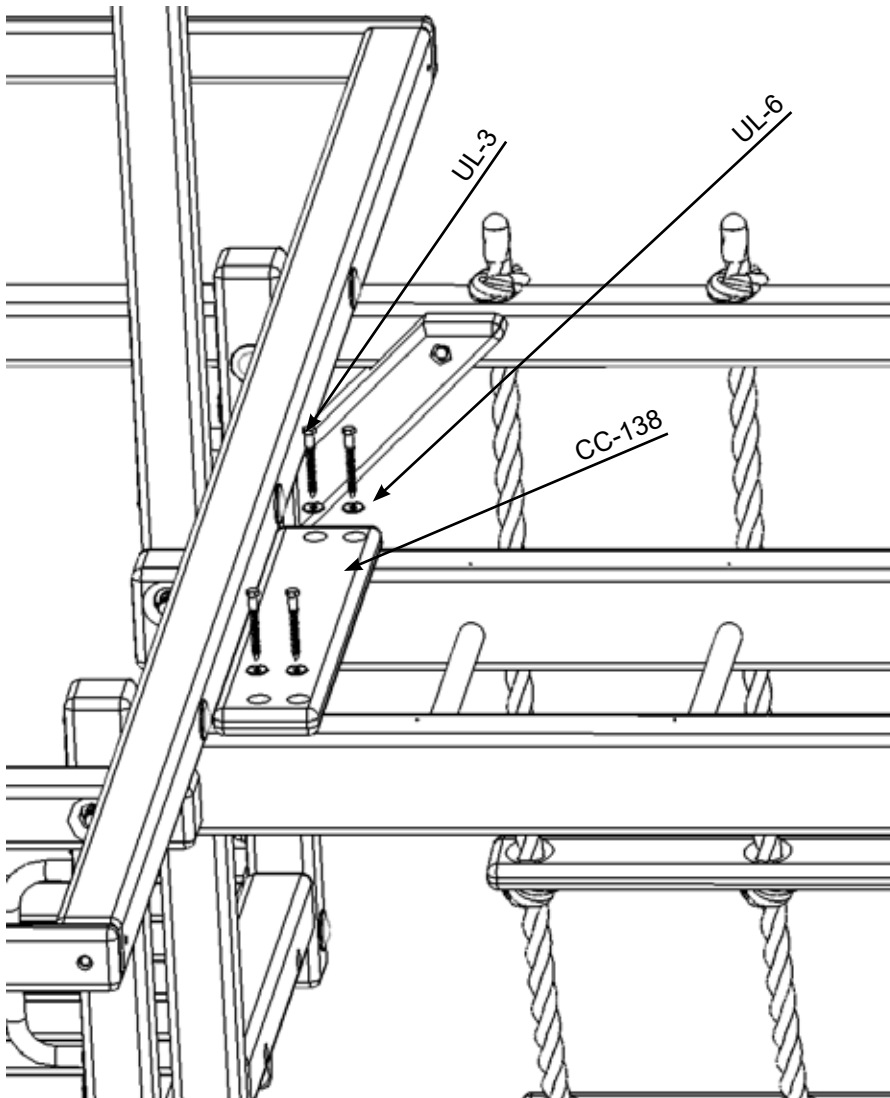
6.5 & 7.5 Loft

PARTS NEEDED

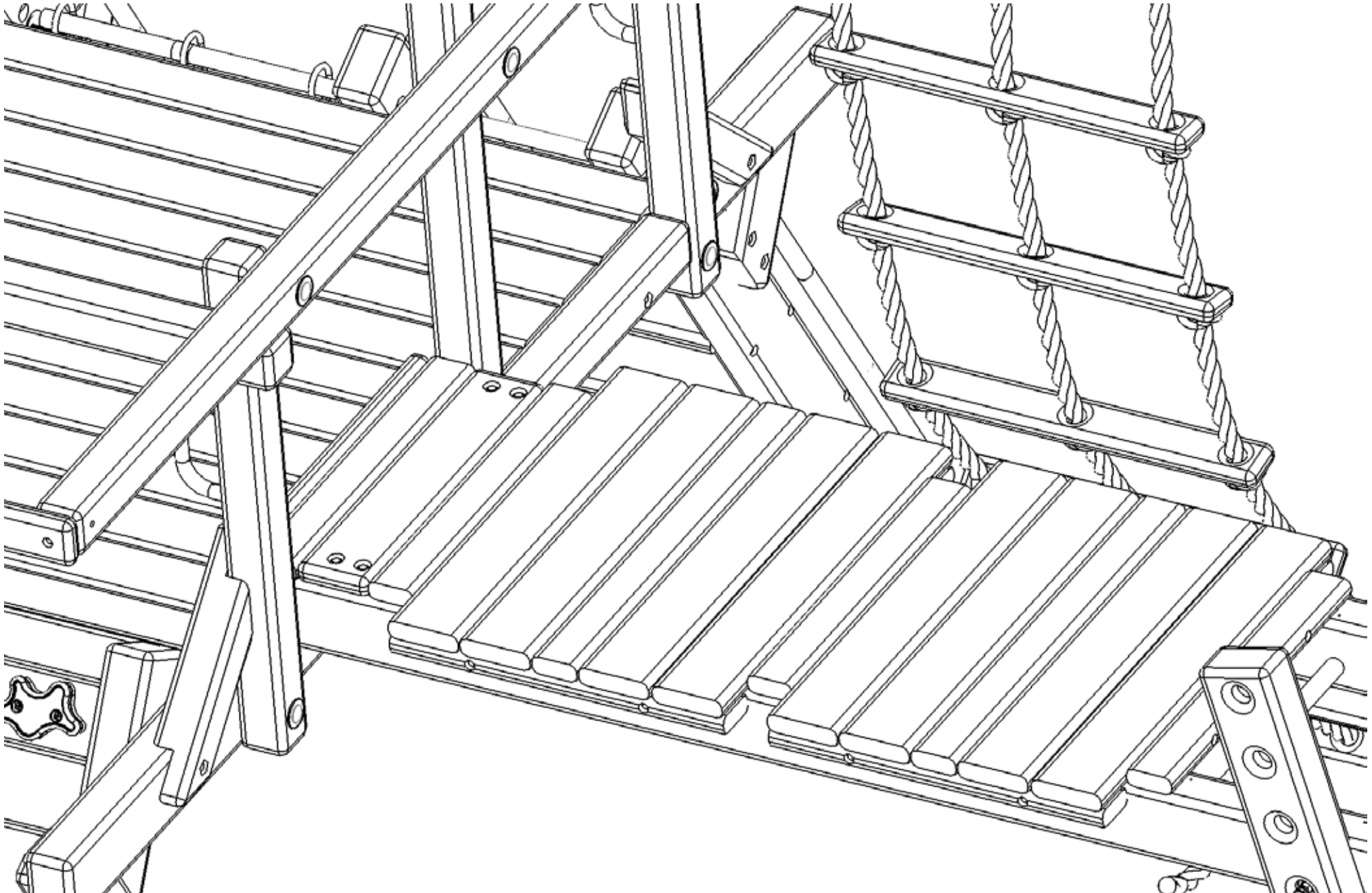
CC-101 Universal Filler (1) CC-138 Entrapment Board (1)
CC-141 Entrapment Board (1)

HARDWARE NEEDED

UL-2 1/4"x4 1/2" Hex Lag Screw ZP (2) UL-3 3/8" x 3 1/2" Hex Lag Screw ZP (8)
UL-5 1/4" Uss Flatwasher ZP (2) UL-6 3/8" Uss Flatwasher ZP (8)



6.4 & 7.5 Playcenter Loft



Fort -Loft Assembly

PARTS NEEDED

CC-101 Universal Filler (1)
CC-141 Entrapment Board (1)

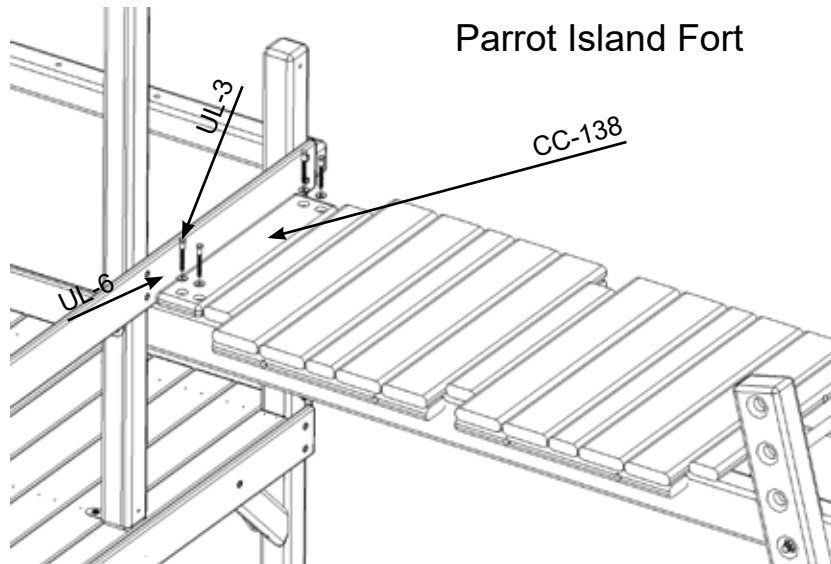
CC-138 Entrapment Board (1)

UL-2 1/4"x4 1/2" Hex Lag Screw ZP (2)
UL-5 1/4" Uss Flatwasher ZP (2)

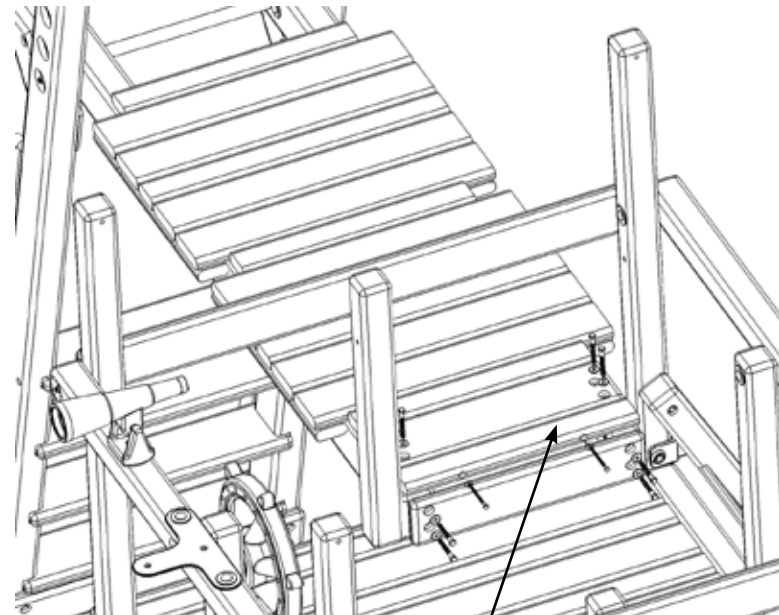
HARDWARE NEEDED

UL-3 3/8" x 3 1/2" Hex Lag Screw ZP (8)
UL-6 3/8" Uss Flatwasher ZP (8)

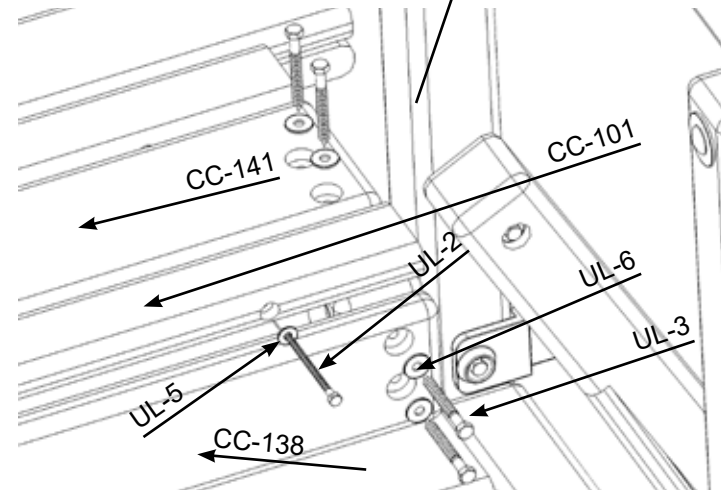
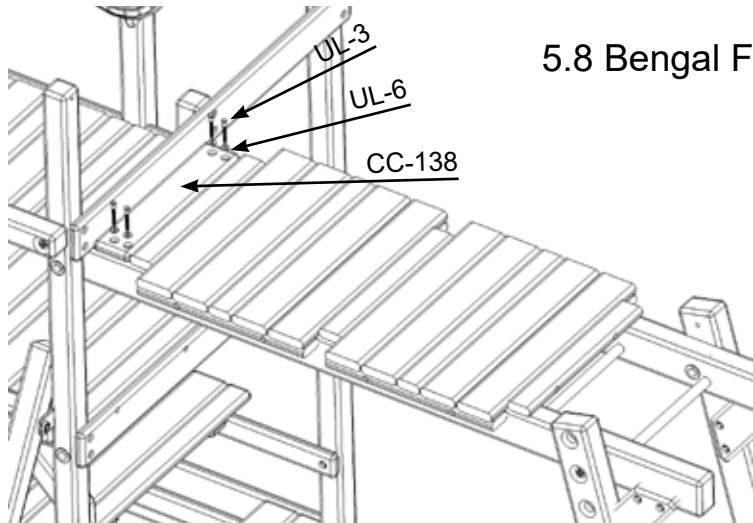
6.5 & 7.4 Bengal Fort



Parrot Island Fort



5.8 Bengal Fort



Universal Loft Assembly

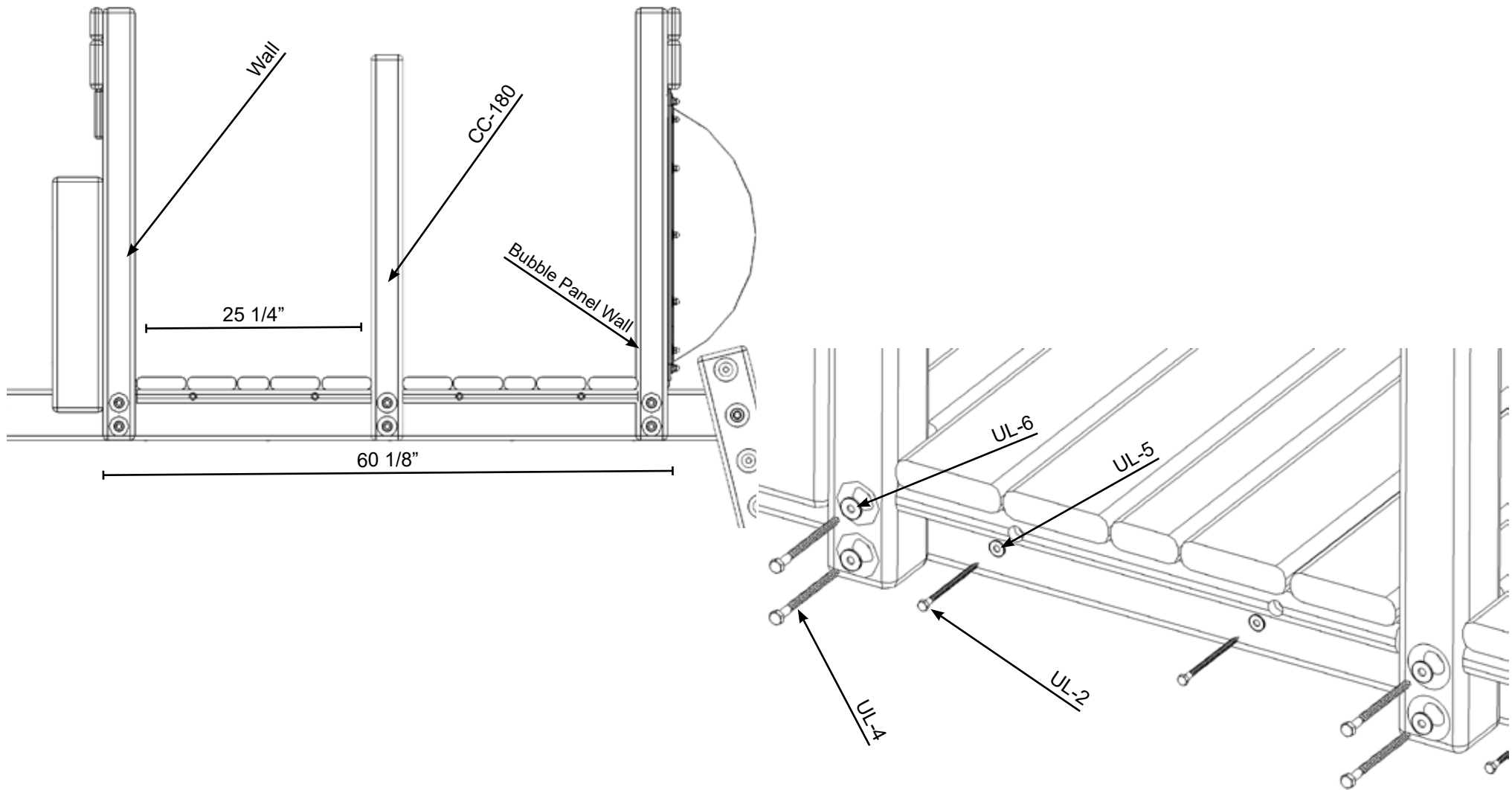
PARTS NEEDED

Walls Assembly
CC-180 Center Upright (2)

HARDWARE NEEDED

UL-2 1/4"x4 1/2" Hex Lag Screw ZP (8)
UL-4 3/8" x 5" Hex Lag Screw ZP (12)

UL-5 1/4" Uss Flatwasher ZP (8)
UL-6 3/8" Uss Flatwasher ZP (12)



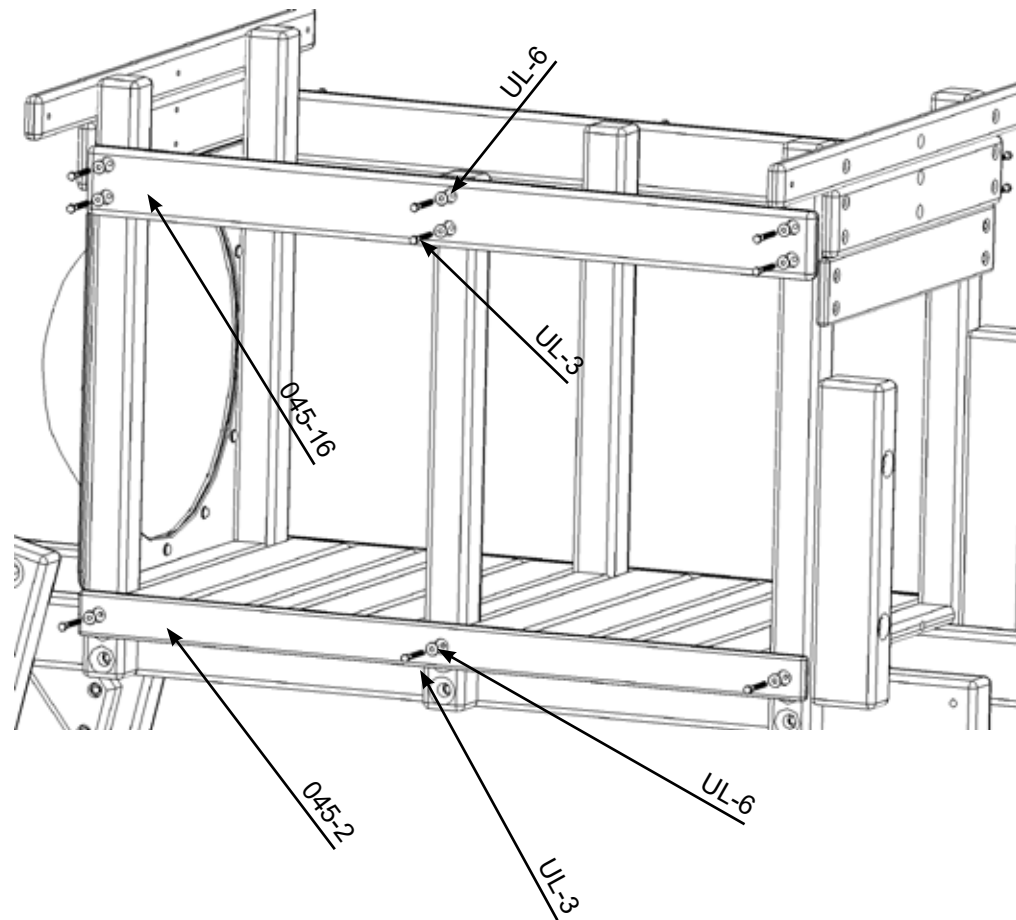
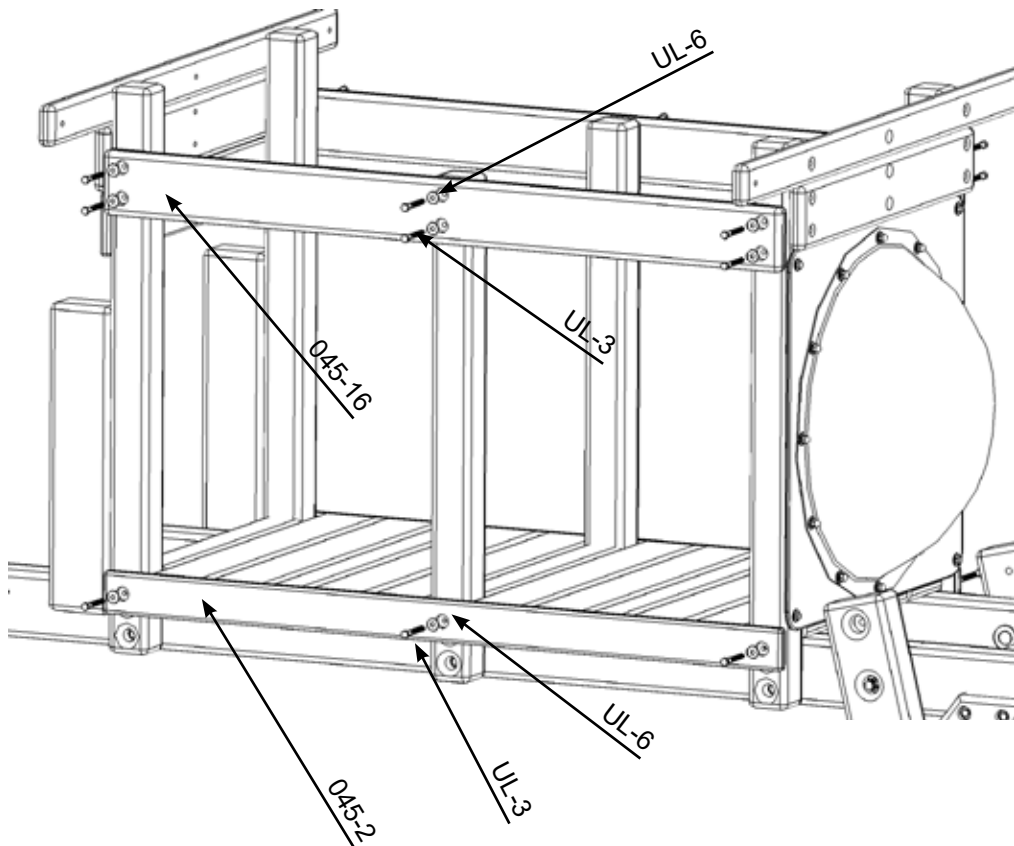
Universal Loft Assembly

PARTS NEEDED

045-2 3-Hole Facia (2)
045-16 6-Hole Facia (2)

HARDWARE NEEDED

UL-3 3/8" x 3 1/2" Hex Lag Screw ZP (18)
UL-6 3/8" Uss Flatwasher ZP (18)



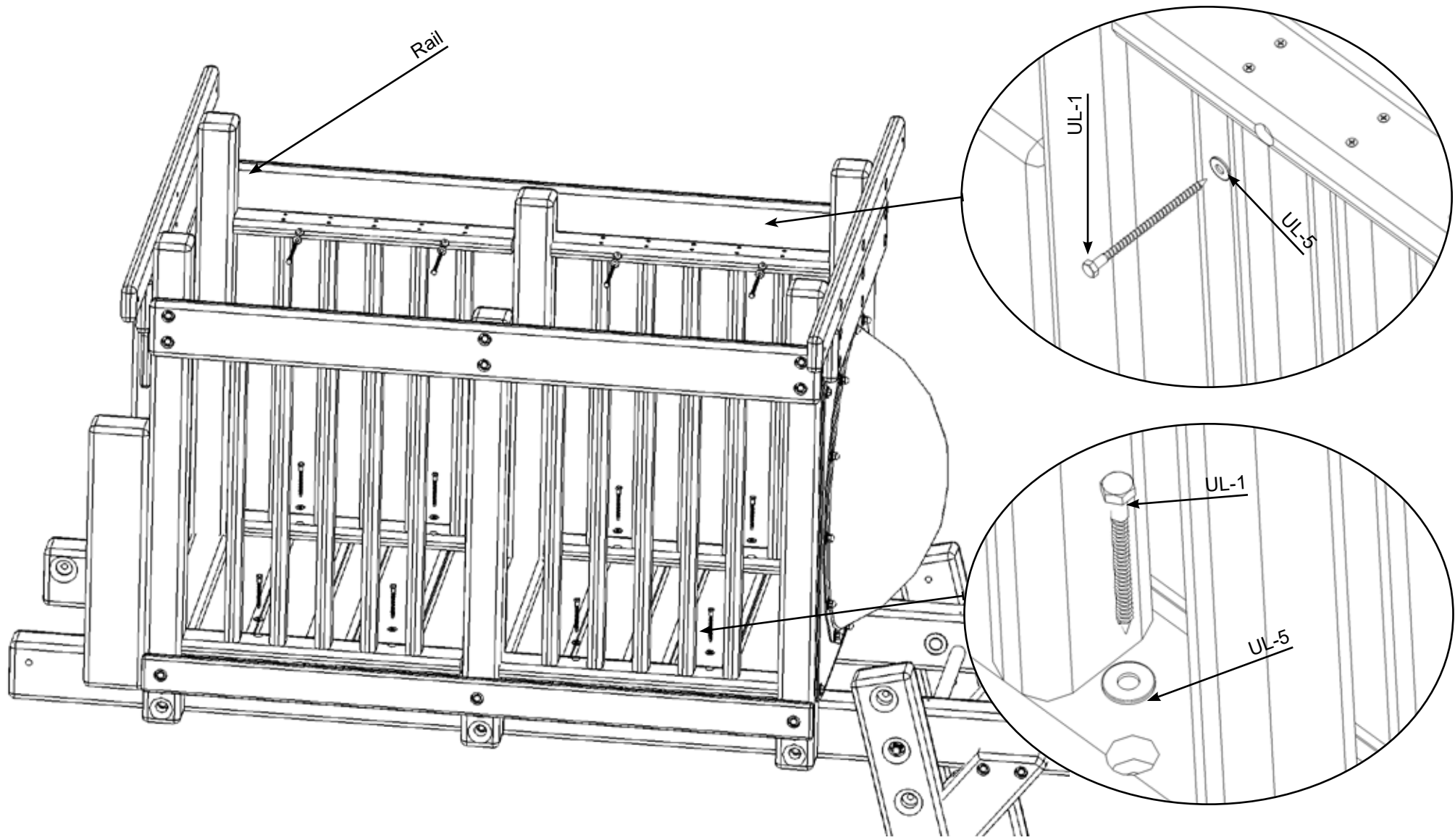
Universal Loft Assembly

PARTS NEEDED

Rails Assembly

HARDWARE NEEDED

UL-2 1/4"x4 1/2" Hex Lag Screw ZP (8) UL-5 1/4" Uss Flatwasher ZP (16)
UL-1 1/4"x3" Hex Lag Screw ZP (8)



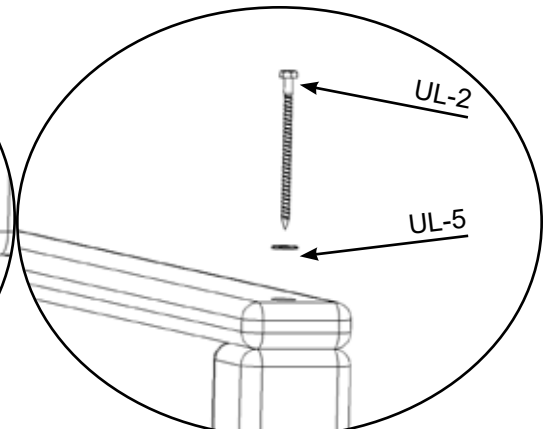
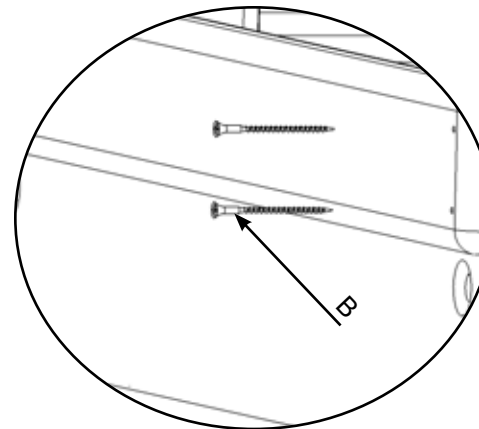
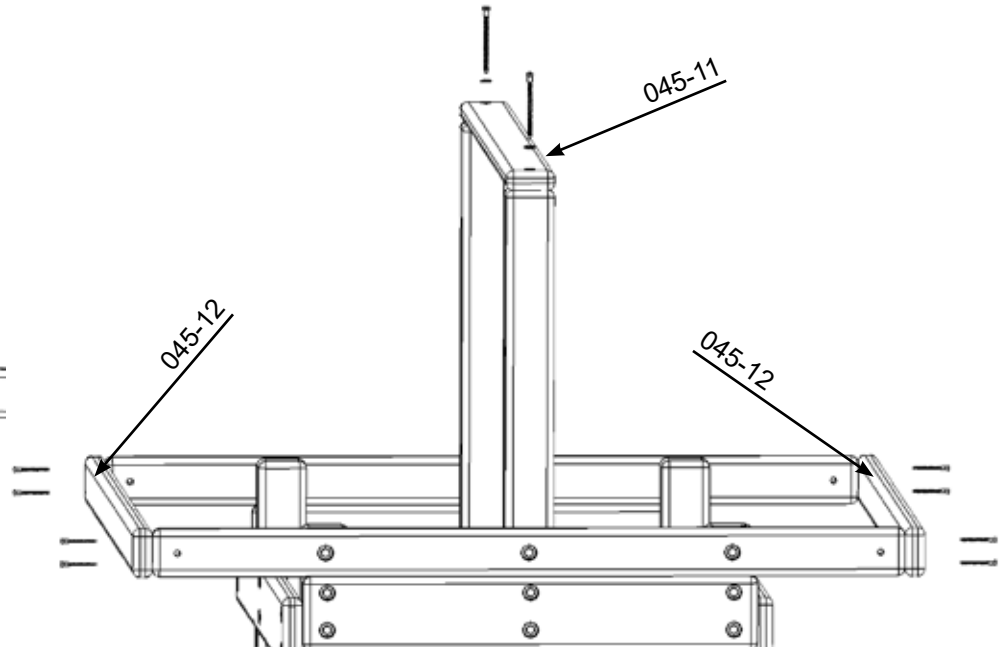
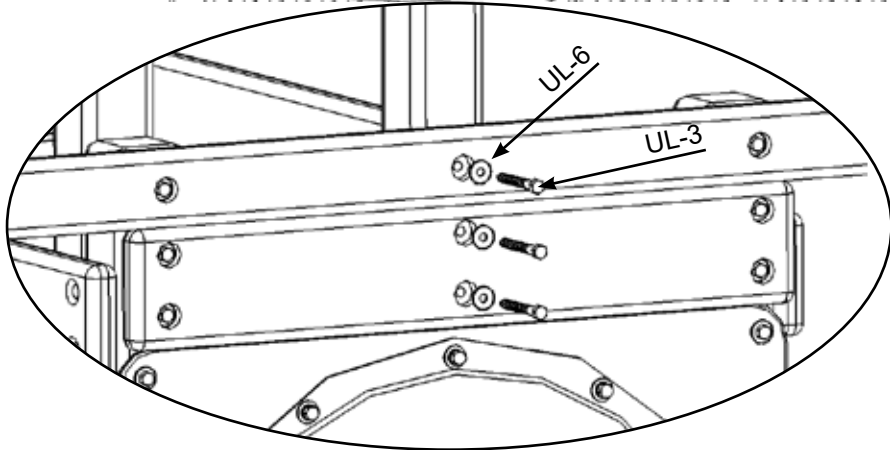
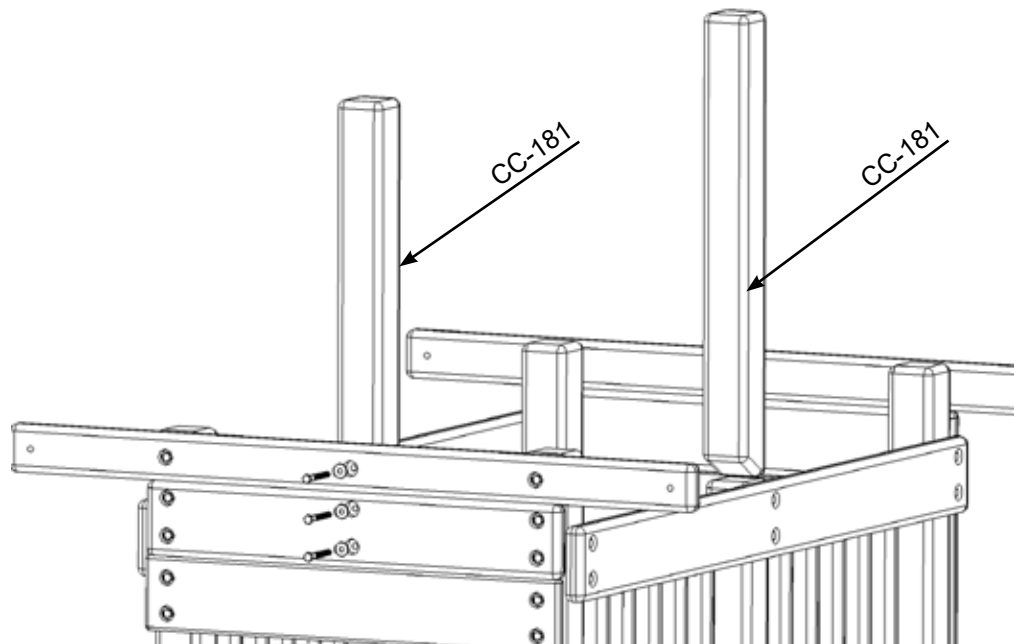
Universal Loft -Tarp Option

PARTS NEEDED

045-11 Tarp Center (1) 045-12 Tarp Side Facia (2)
CC-181 Tarp Upright (2)

HARDWARE NEEDED

UL-2 1/4"x4 1/2" Hex Lag Screw ZP (2) UL-5 1/4" Uss Flatwasher ZP (4)
B- #8 x 2 1/2" Coated Deck Screw (8) UL-3 3/8" x 3 1/2" Hex Lag Screw ZP (18)
UL-6 3/8" Uss Flatwasher ZP (18)



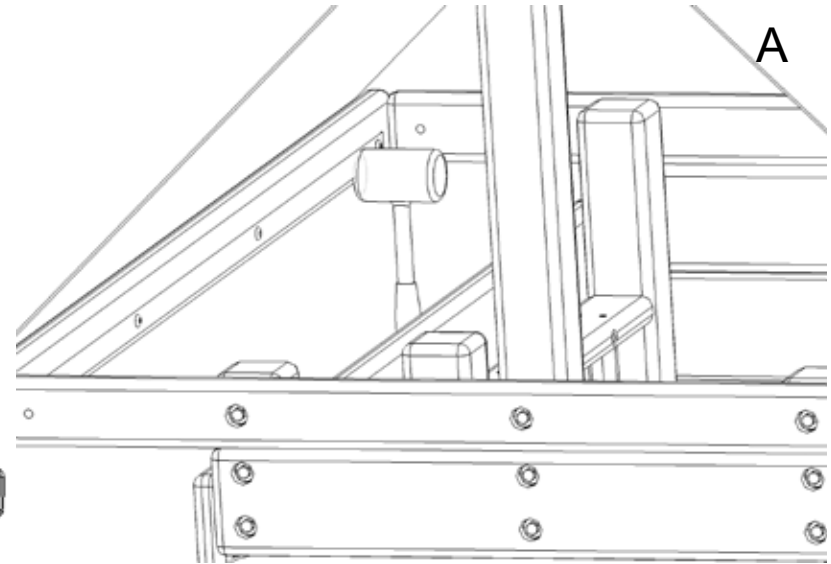
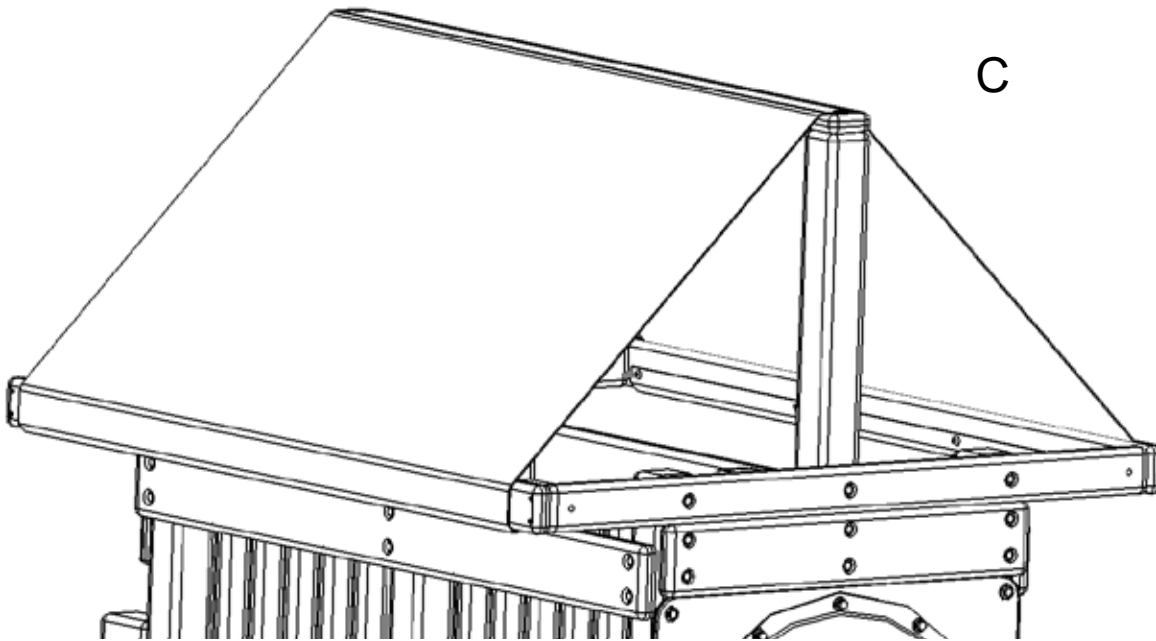
Universal Loft -Tarp Option

PARTS NEEDED

Tarp W /Hdwr Bag

HARDWARE NEEDED

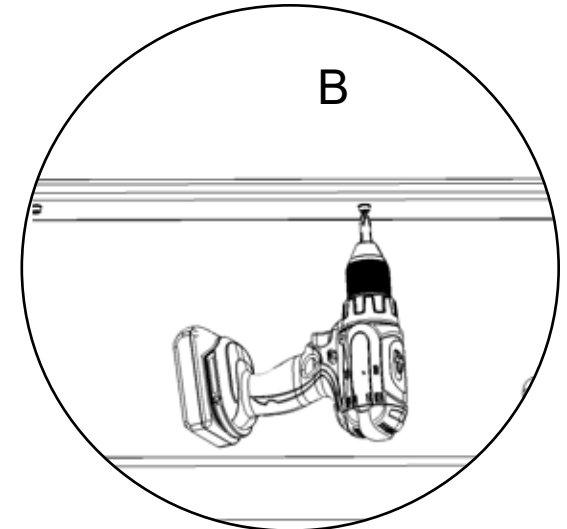
Phillips Screw Snaps (8)



(Figure A.)- Take one corner of the VINYL TARP and place it flush in the corner. Tap the snap with a blunt object, leaving an indentation of the snap in the wood. Repeat this process until all the snaps have been indented in the wood on both sides of the Playcenter.

(Figure B.)- Using the indentions you just made with the snaps, take the 5/8" PHILLIPS SCREW SNAPS and drill one into each indentation.

(Figure C.)- Take the corner of the VINYL TARP and start placing the snaps on the PHILLIPS SCREW SNAPS. Fold the VINYL TARP over the top of the UNIVERSAL TARP BOARD. Pull tight and place the snaps on the PHILLIPS SCREW SNAPS.



Universal Loft -Wood Roof Option

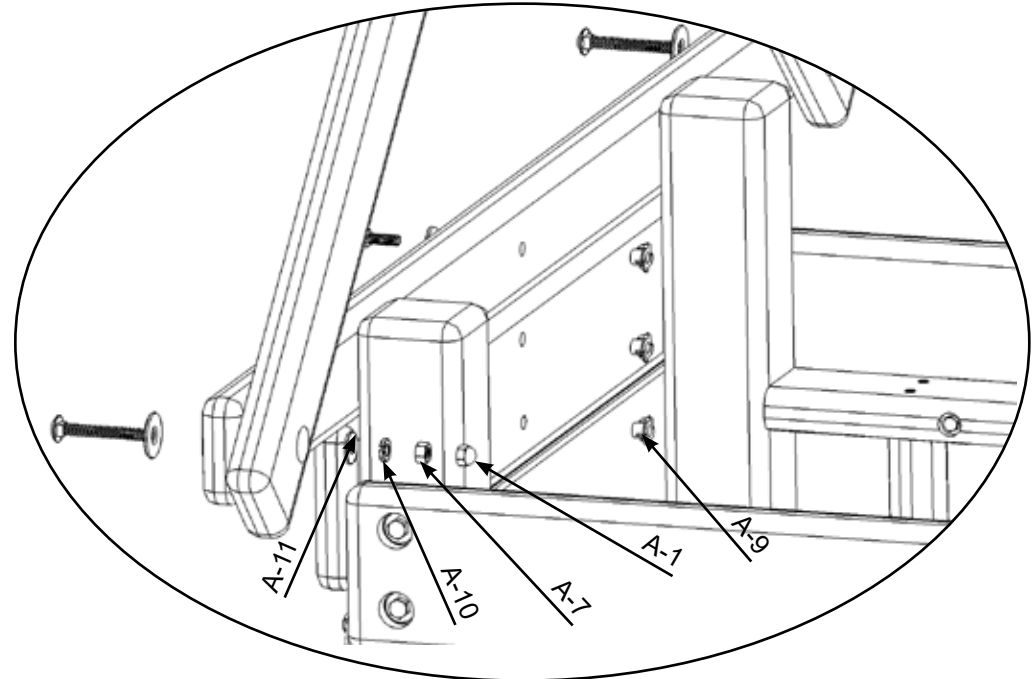
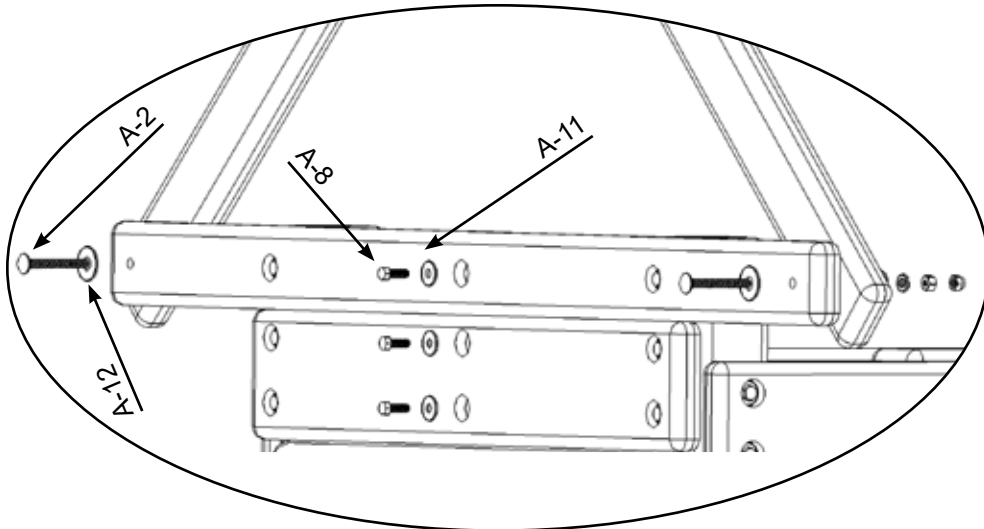
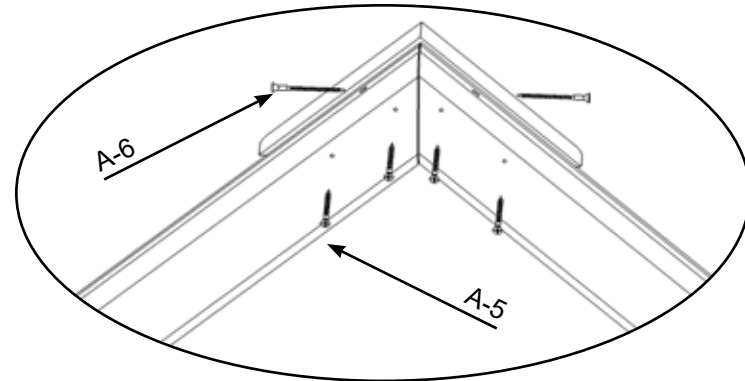
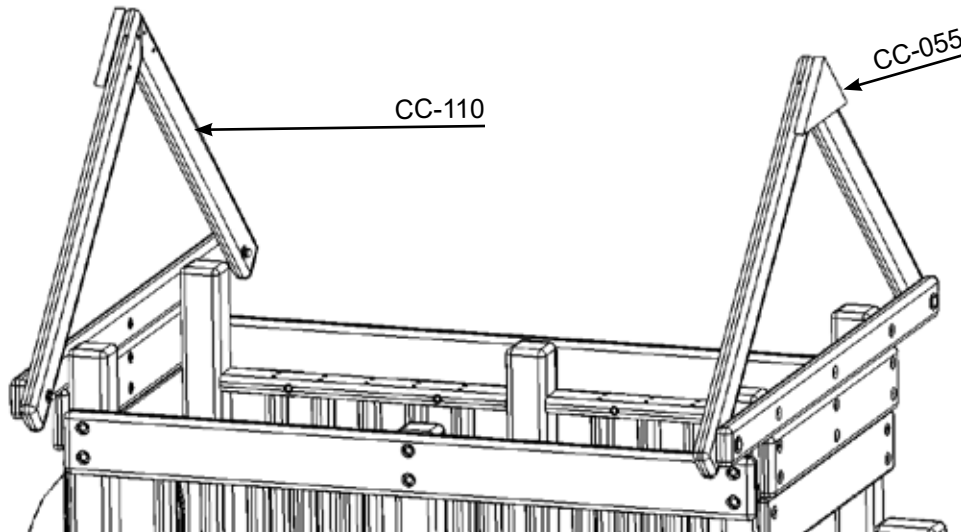
PARTS NEEDED

CC-055 Peak Support (2)
CC-110 Wood Roof Support (4)

A-1 3/8" Acorn Nut Plated (4)
A-5 #8 x 2" Coated Deck Screw (8)
A-7 3/8"-13 Hex Nut ZP (4)
A-9 3/8"-16 x7/16" 4 Prong Tee Nut ZP (6)
A-11 3/8" Uss Flatwasher Zp (10)

HARDWARE NEEDED

A-2 3/8"x 3" Carriage Bolt (4)
A-6 #8 x 2 1/2" Coated Deck Screw (4)
A-8 3/8" x 1 1/2" Hex Bolt ZP (6)
A-10 3/8" Split Lockwasher ZP (4)
A-12 1/2" Uss Flatwasher ZP (4)



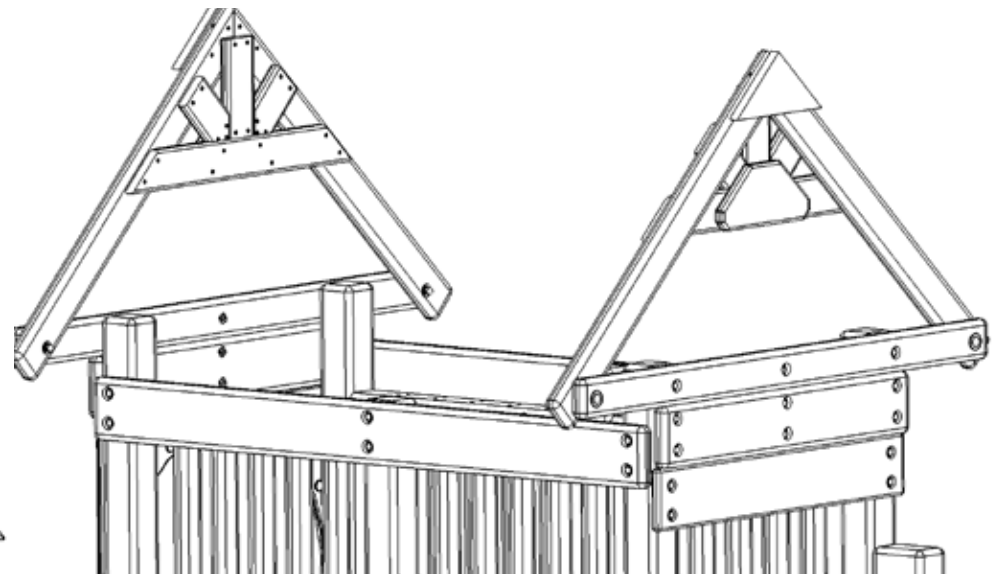
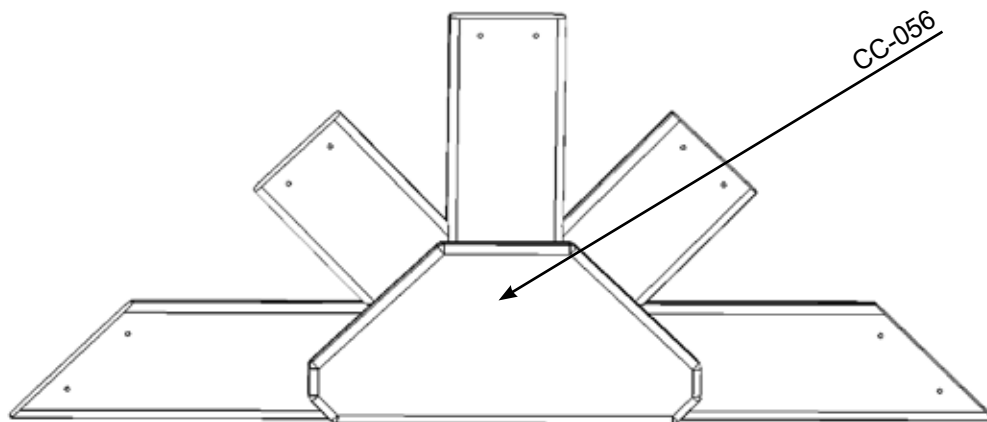
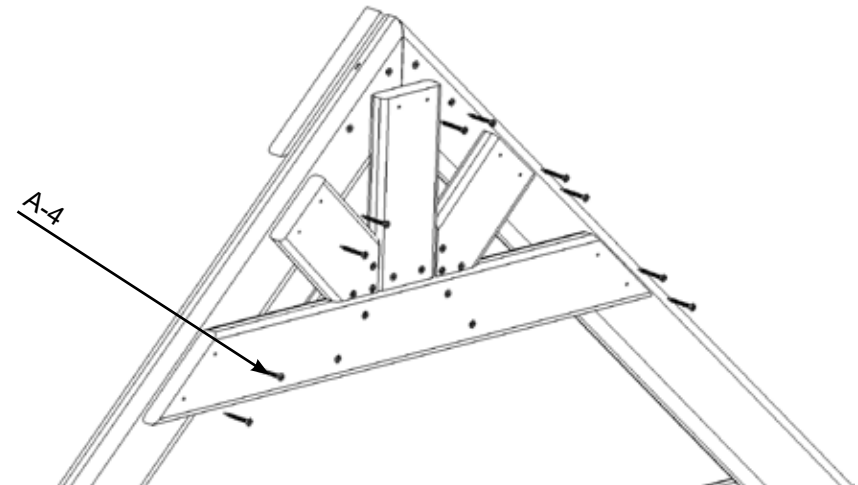
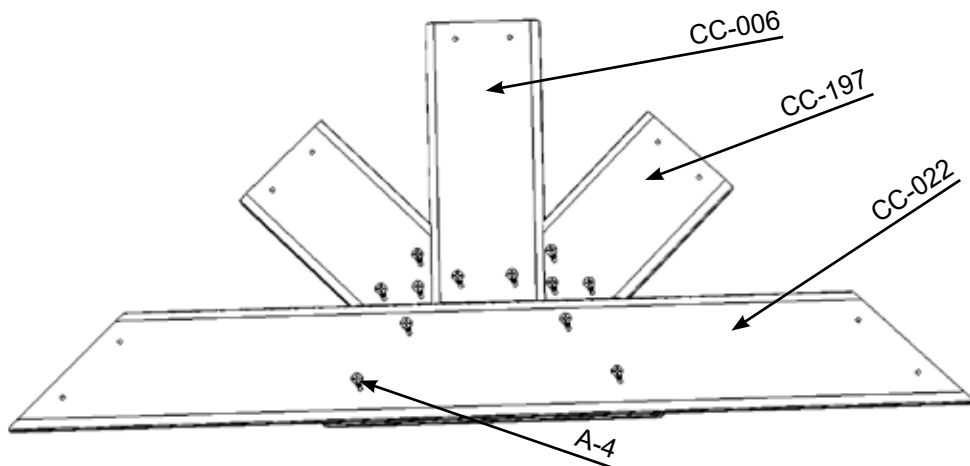
Universal Loft -Wood Roof Option

PARTS NEEDED

CC-197 Short Fan Board	(4)	CC-006 Center Fan Board	(2)
CC-022 Bottom Fan Board	(2)	CC-056 Fan Cap	(2)

HARDWARE NEEDED

A-4 #8 x 1 5/8" Coated Deck Screw (44)



Universal Loft -Wood Roof Option

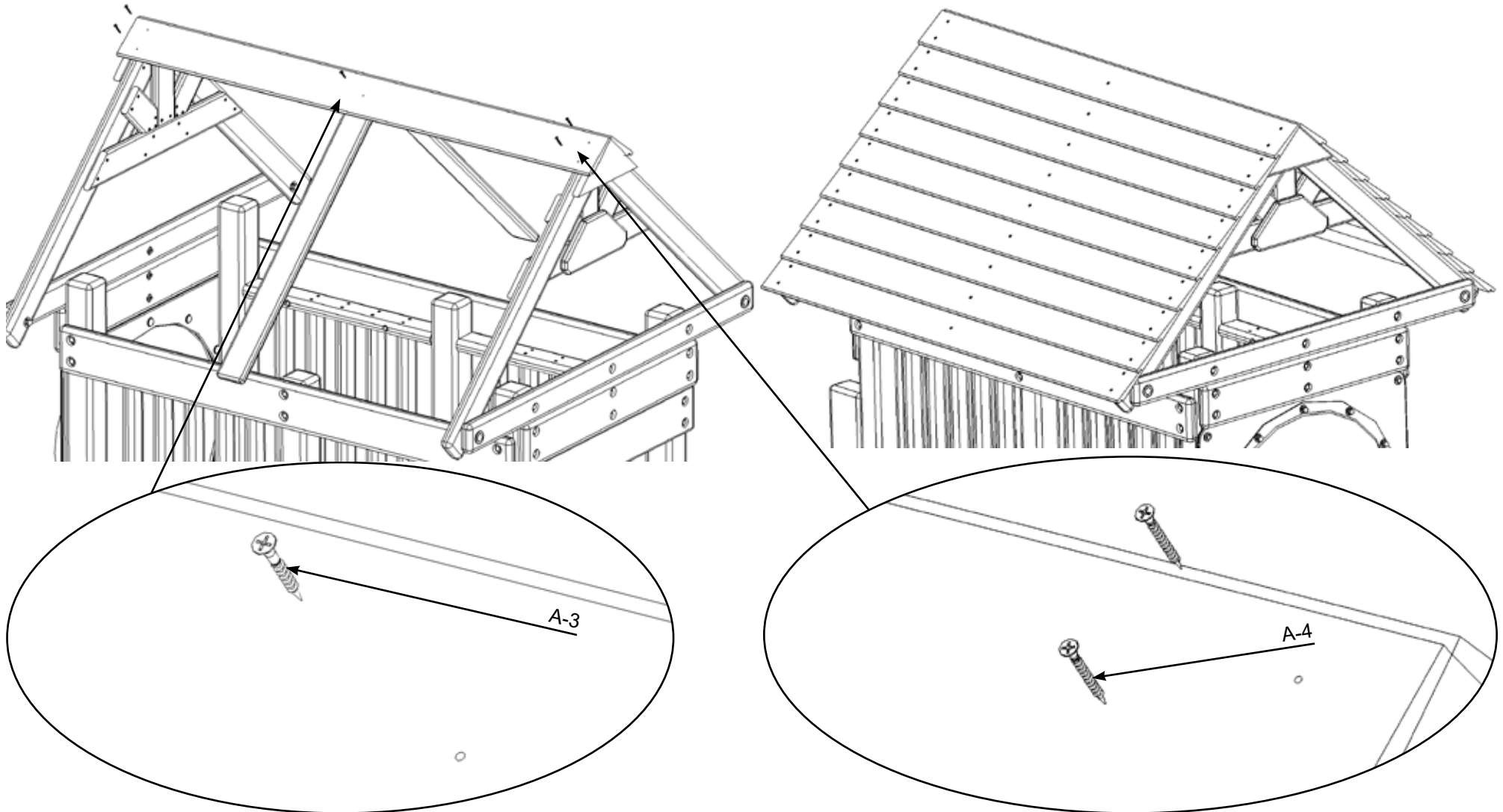
PARTS NEEDED

044-4 Center Support (2)
044-8 Wood Roof Board (18)

HARDWARE NEEDED

A-3 #8 x 1 1/2" Coated Deck Screw (18)

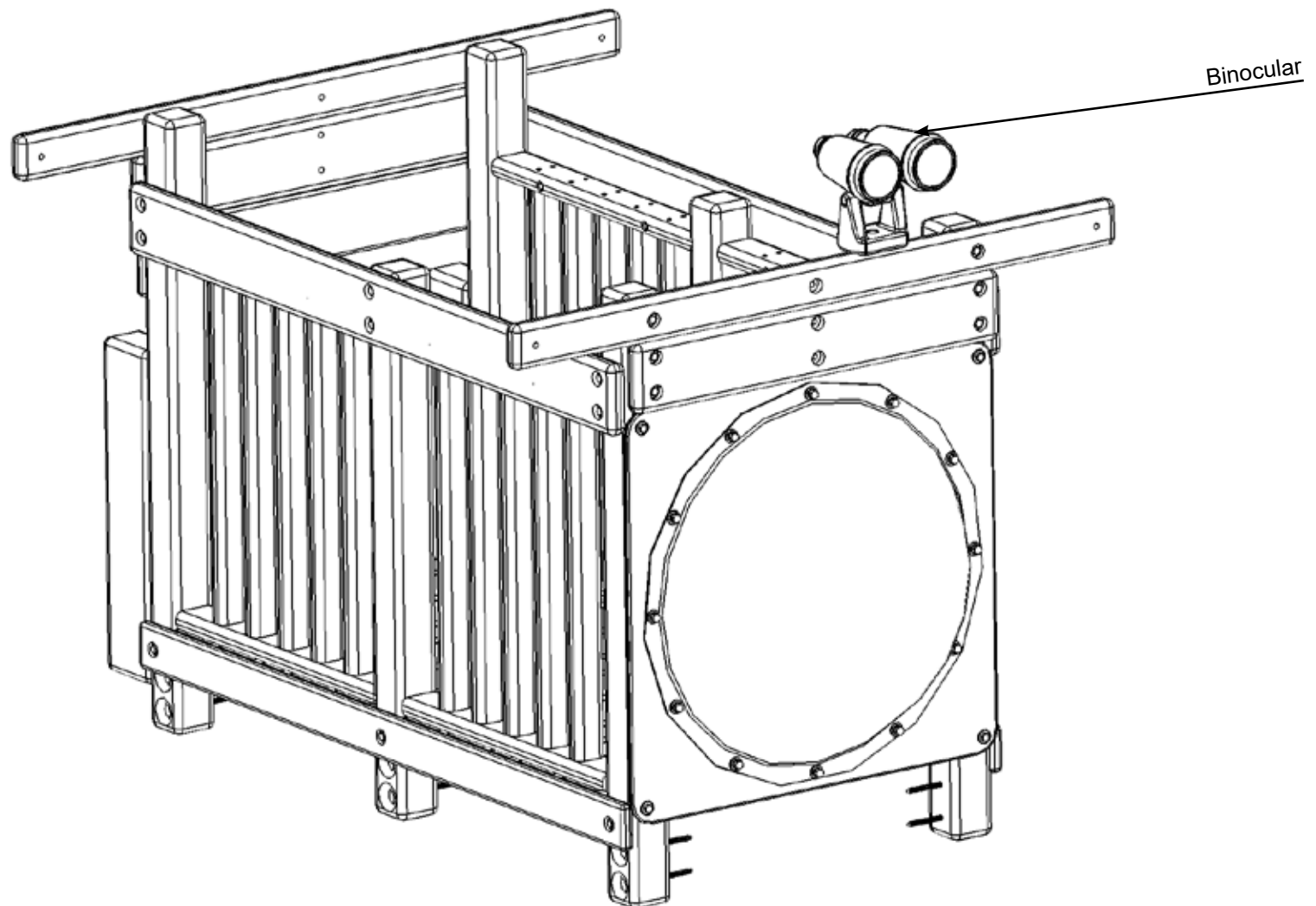
A-4 #8 x 1 5/8" Coated Deck Screw (72)



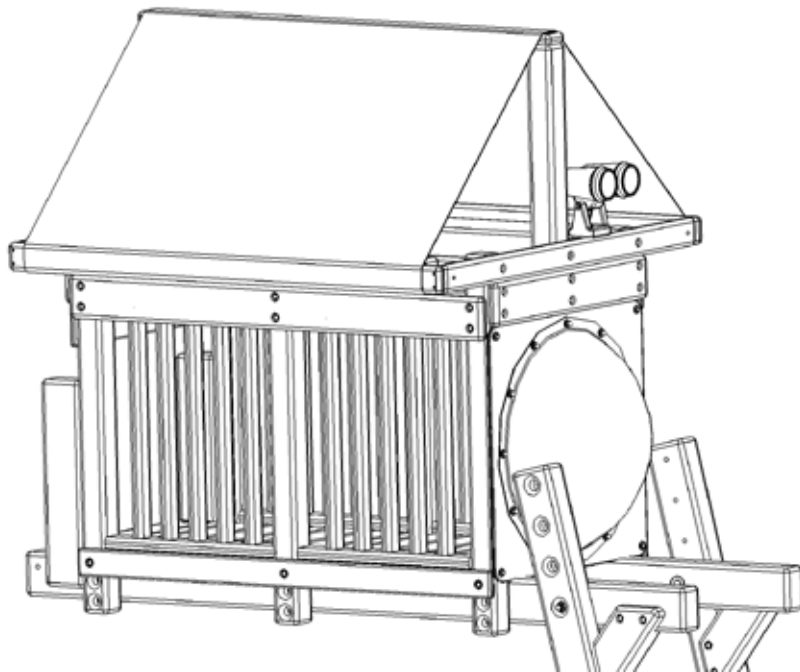
Accessories

PARTS NEEDED

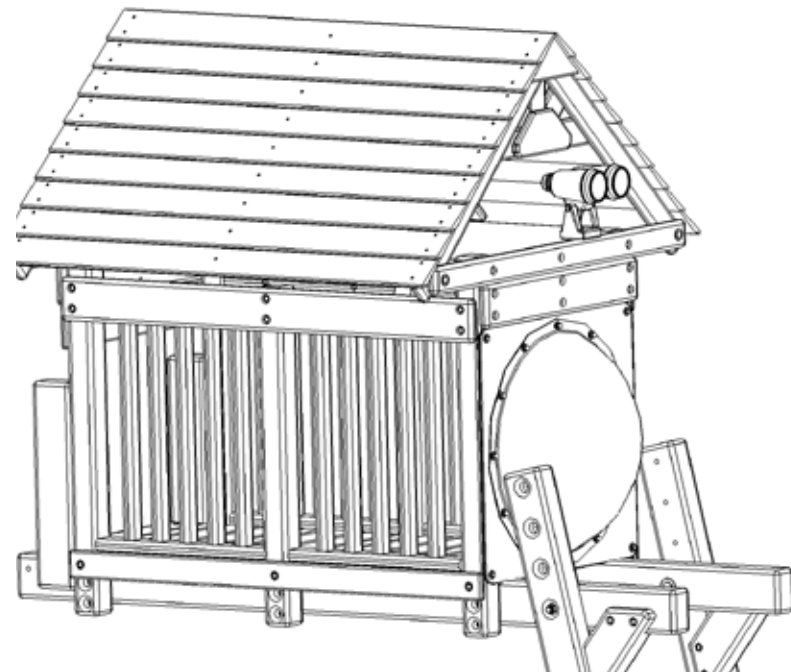
Binocular (1)



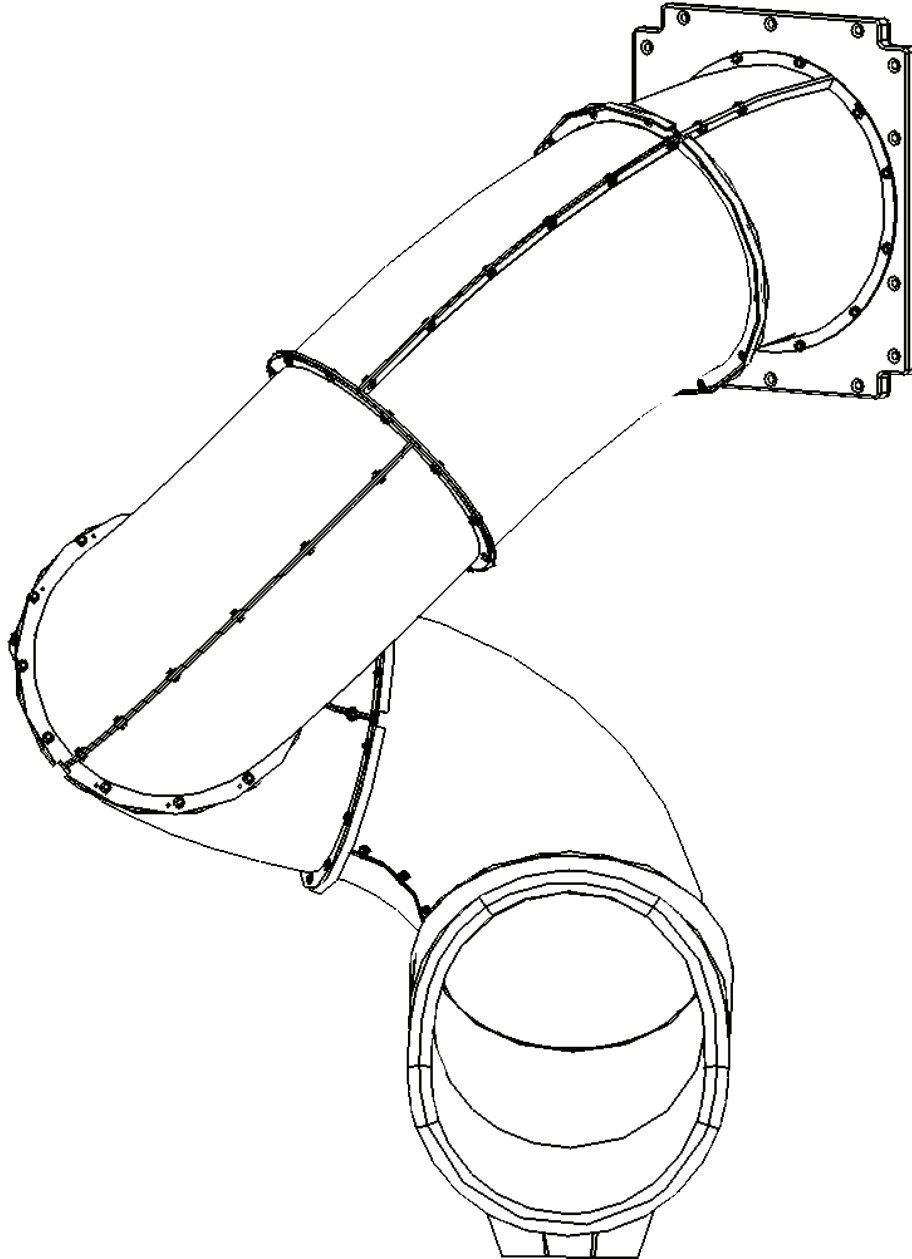
Loft Tarp



Loft Wood Roof



Super 360 Spireal Slide Installation Manual



Version 1:19



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Sections

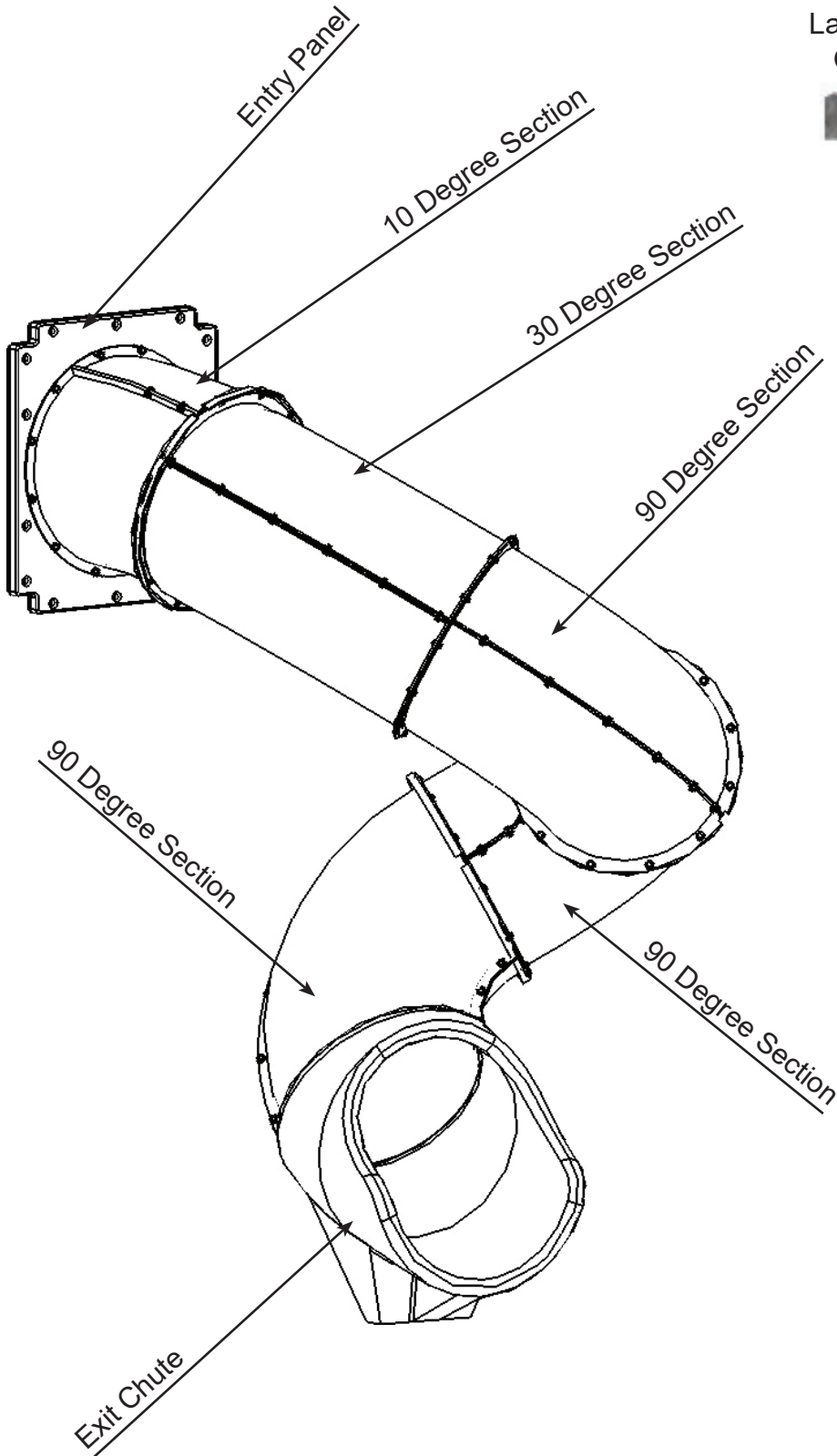
Page 1: Part List

Page 2: 5.8' Deck Height Assembly

Page 3: 5' & 7' Deck Height Assembly

Page 4: 6.5' Deck Height Assembly

PARTS



3/8" x 5"
Lag Screw
QTY. 2



5/16" x 1 1/2"
Lag Screw
QTY. 26



5/16" x 1"
Hex Bolt
QTY. 99



5/16"-18
Lock Nut
QTY. 97



5/16"
Flatwasher
QTY. 222



3/8"
Flatwasher
QTY. 2



9

8

7

6

5

4

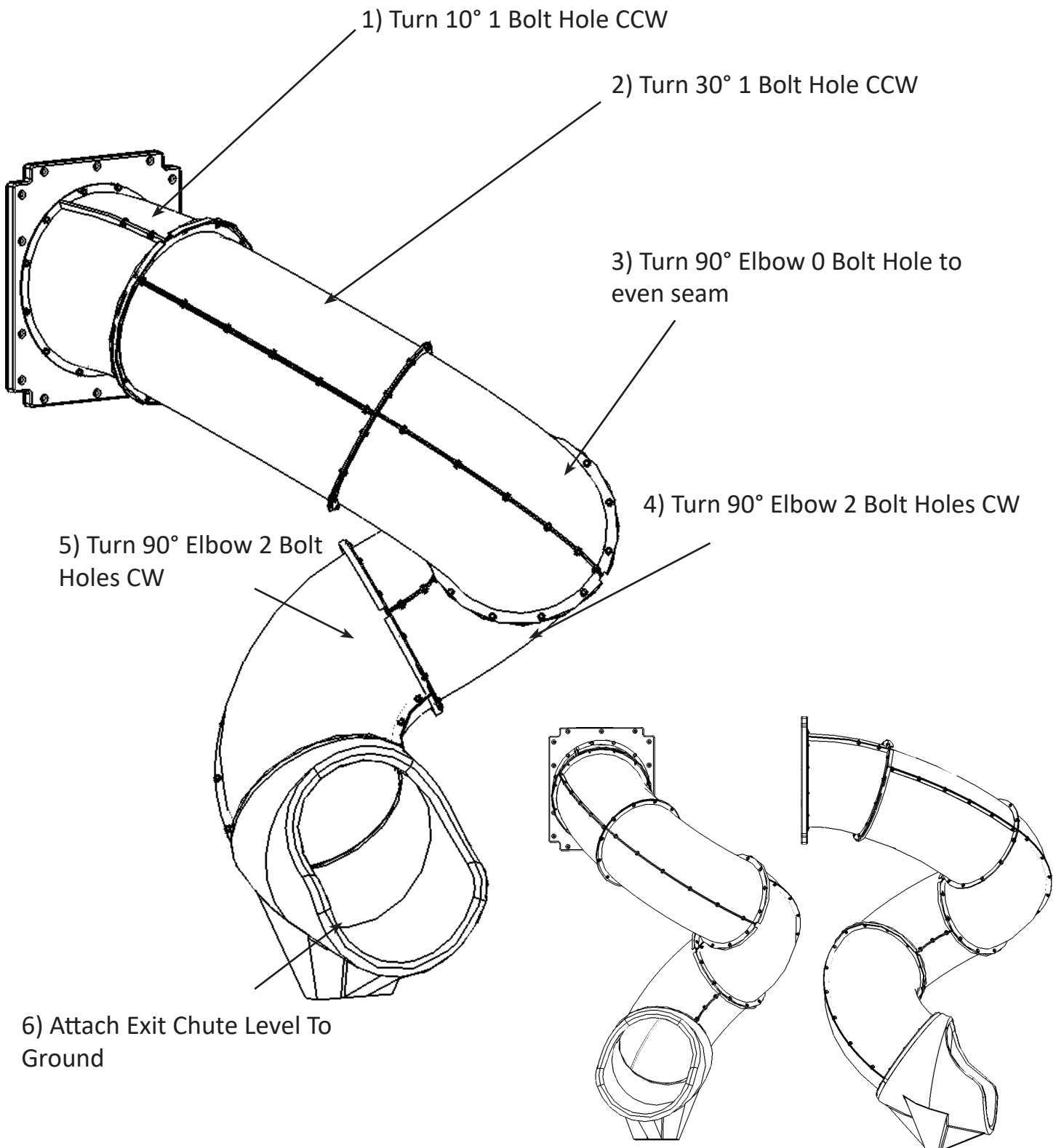
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1

Quick Reference Guide #1

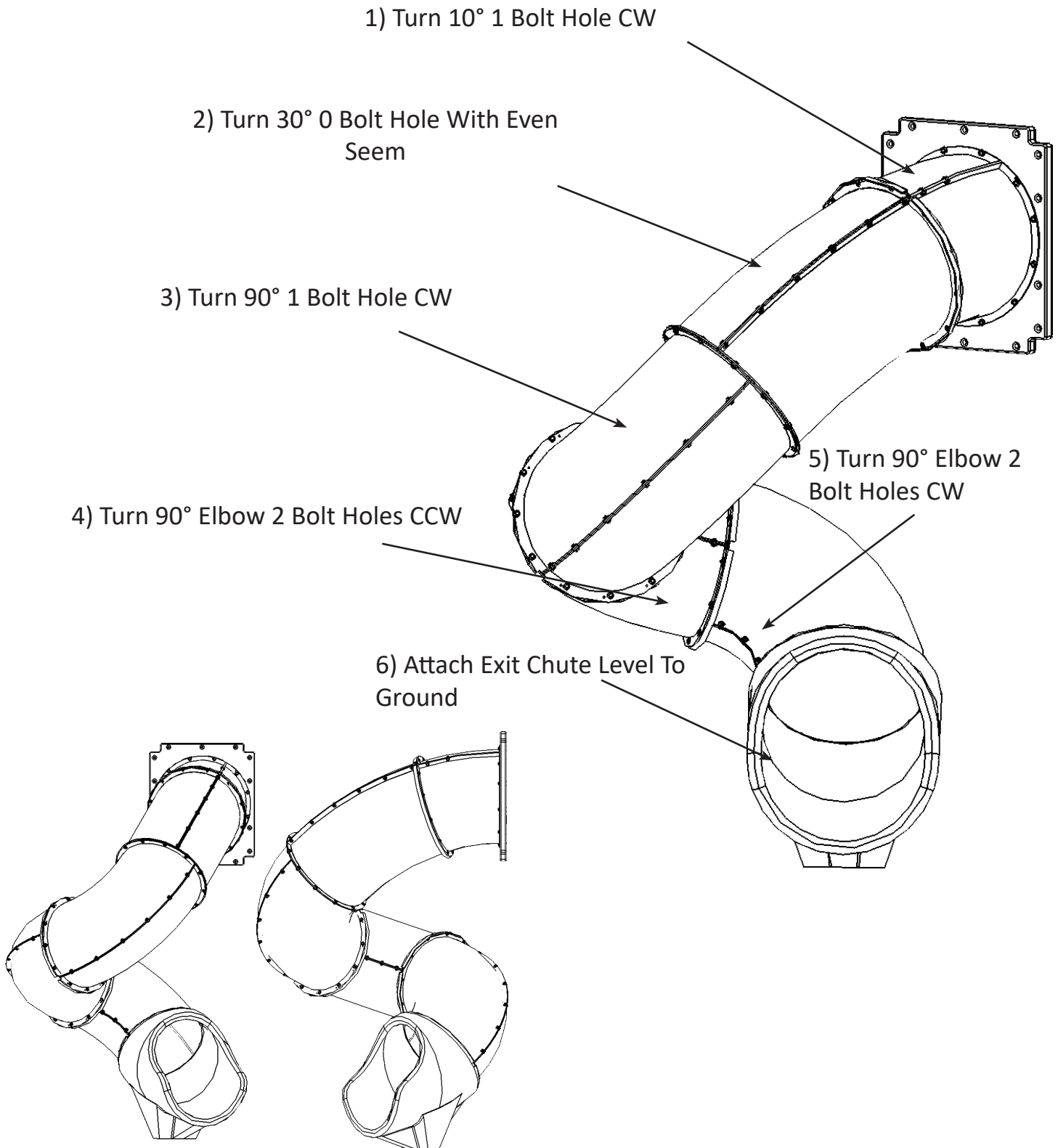
For 5.8' Deck Height



NOTE: To spiral in the opposite direction, apply CW turns instead of CCW and vice versa. Turns may need to be adjusted depending on the level of the land.

Quick Reference Guide #2

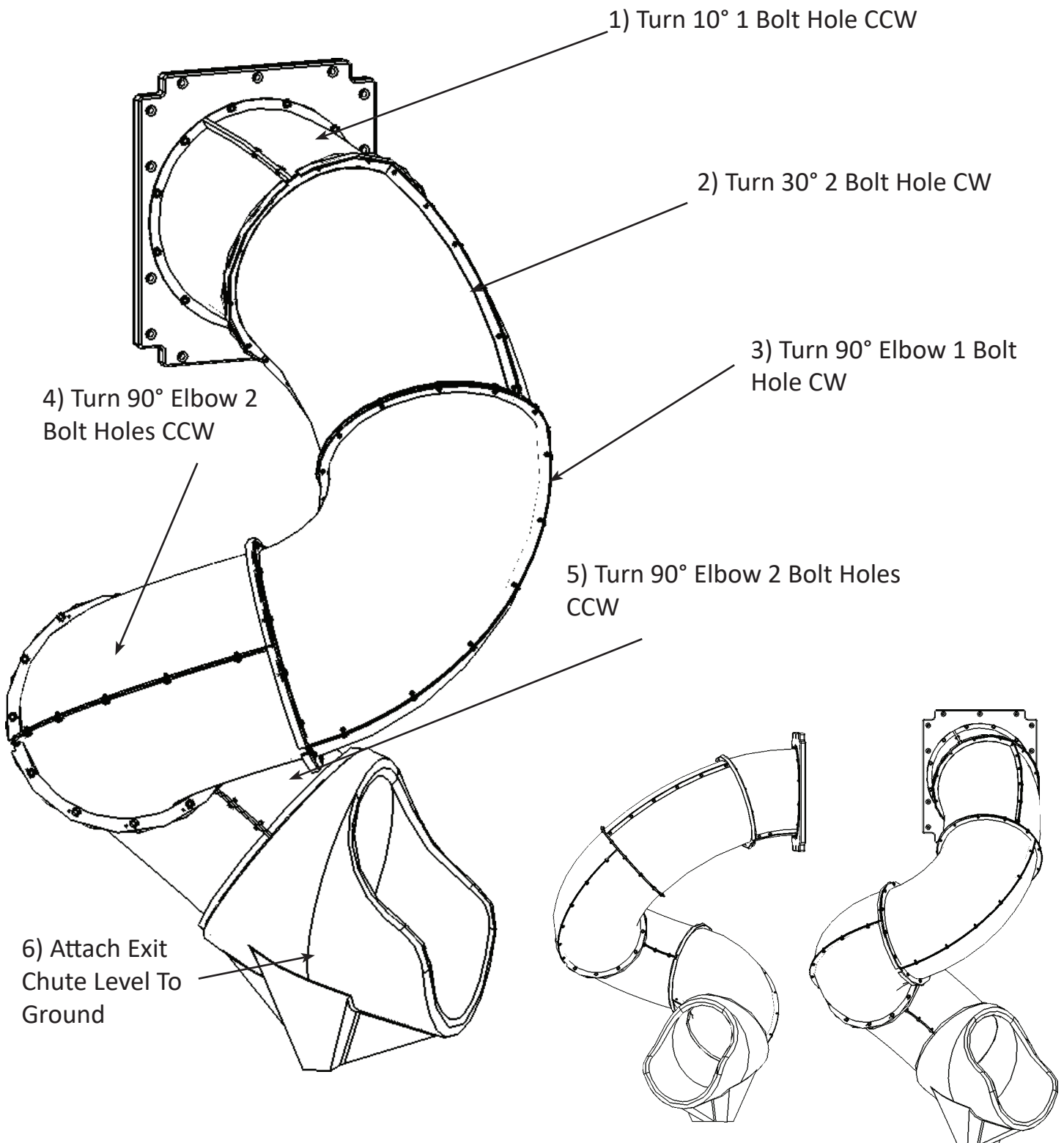
For 5' & 7' Deck Heights



NOTE: To spiral in the opposite direction, apply CW turns instead of CCW and vice versa. Turns may need to be adjusted depending on the level of the land.

Quick Reference Guide #3

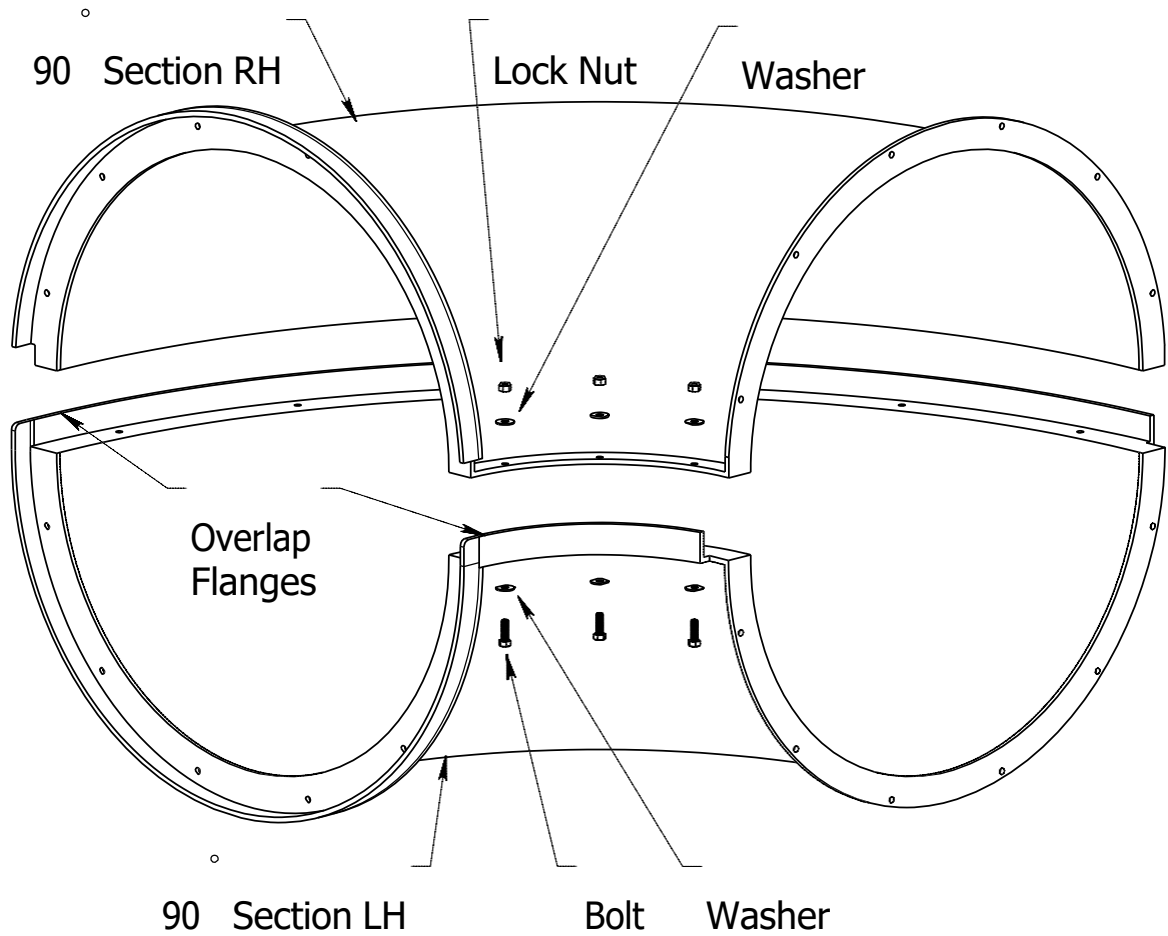
For 6.5' Deck Height

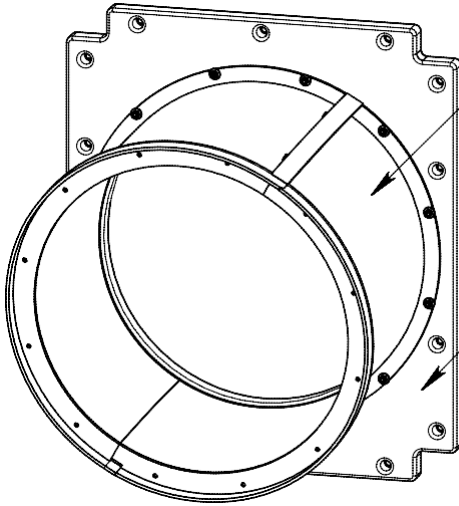


NOTE: To spiral in the opposite direction, apply CW turns instead of CCW and vice versa. Turns may need to be adjusted depending on the level of the land.

Step #1

Assemble the Elbow Section Halves together with the hardware as shown.
Note the position of the Overlap Flanges in relation to the direction of the Bolts.



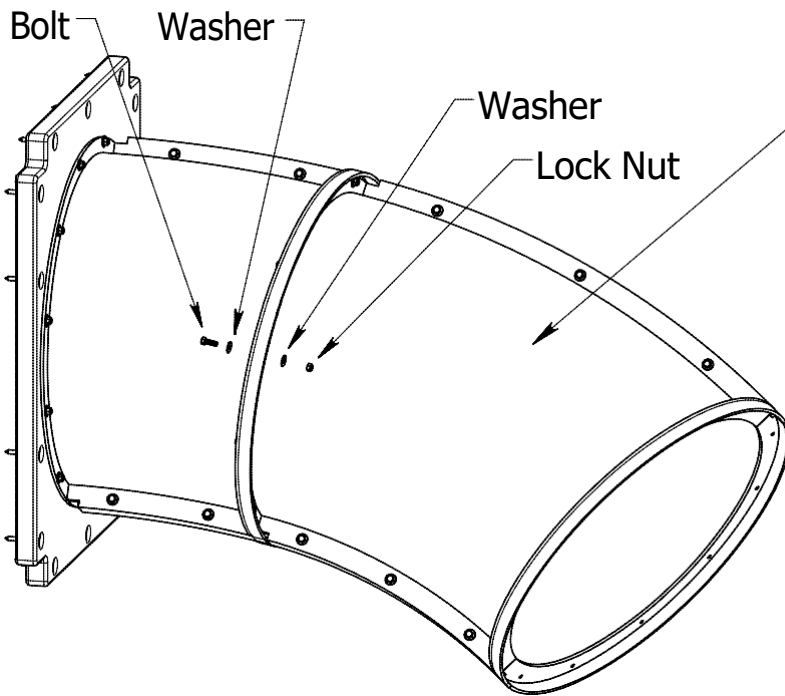


Step #2

Using Nuts, Washers and Bolts, attach the 10 ° Elbow to Entry Panel in the "Quick Reference" orientation.

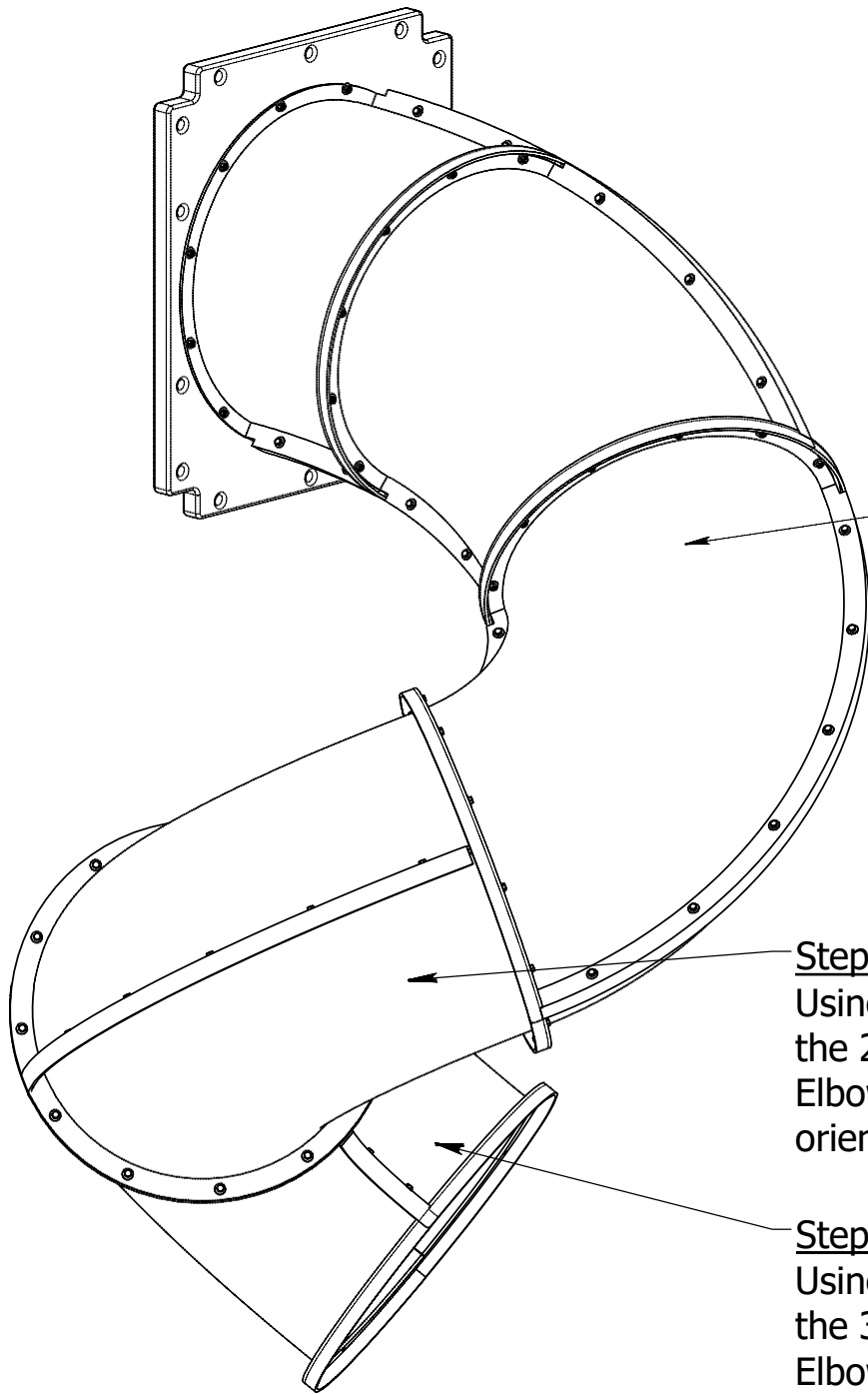
Step #3

After properly blocking the slide entrance on the playset, attach the Entry Chute/first Elbow assembly to the playset with the Lag Screws and Washers provided.



Step #4

Using Nuts, Washers and Bolts, attach the 30 ° Elbow to the previous Elbow in the "Quick Reference" orientation.



Step #5

Using Nuts, Washers and Bolts, attach the 90 ° Elbow to the previous Elbow in the "Quick Reference" orientation.

Step #6

Using Nuts, Washers and Bolts, attach the 2nd 90 ° Elbow to the previous Elbow in the "Quick Reference" orientation.

Step #7

Using Nuts, Washers and Bolts, attach the 3rd 90 ° Elbow to the previous Elbow in the "Quick Reference" orientation.

Step #8

Place the end of the Exit Chute up against the last Elbow Section and make it level with the ground. If any of the last Elbow bolt holes line up with the Exit Chute attach with Bolts and Washers (possibly 2 Places). For all the holes that don't line up attach with Lag Screws and Washers. (as many as 12 places) Start each Bolt by hand before tightening. Be careful not to overtighten the Lag Screws into the soft plastic.

