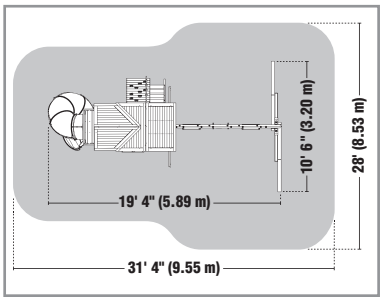
MOUNTAINVIEW RESORT – F25610

INSTALLATION AND OPERATING INSTRUCTIONS



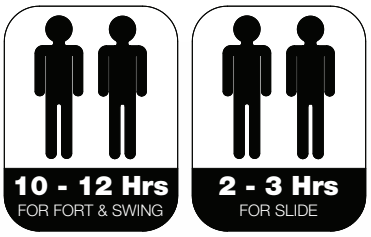
⚠WARNING To reduce the risk of serious injury or death, you must read and follow these instructions. Keep and refer to these instructions often and give them to any future owner of this play set. Manufacturer contact information provided below.

OBSTACLE FREE SAFETY ZONE - **31'4" x 28' (9.55 x 8.53 m)** area requires Protective Surfacing. See page 3.

MAXIMUM VERTICAL FALL HEIGHT - **7 ft. (2.13 m)**

CAPACITY - **11** Users Maximum, Ages **3** to **10**; Weight Limit **110 lbs. (49.9 kg)** per child.

RESIDENTIAL HOME USE ONLY. Not intended for public areas such as schools, churches, nurseries, day cares or parks.



TWO PERSON ASSEMBLY

Cedar Summit
PREMIUM PLAY SETS™

Cedar Summit c/o ©Solowave Design Inc.
Mount Forest, ON Canada N0G 2L1

www.cedarsummitplay.com
support@cedarsummitplay.com
Customer Service
1-877-817-5682 (toll free)
1-519-323-2258

Table of Contents

Warnings and Safe Play Instructions

CONTINUOUS ADULT SUPERVISION REQUIRED. Most serious injuries and deaths on playground equipment have occurred while children were unsupervised! Our products are designed to meet mandatory and voluntary safety standards. Complying with all warnings and recommendations in these instructions will reduce the risk of serious or fatal injury to children using this play system. Go over the warnings and safe play instructions regularly with your children and make certain that they understand and follow them. Remember on-site adult supervision is required for children of all ages.

⚠WARNING

SERIOUS HEAD INJURY HAZARD
Installation over concrete, asphalt, dirt, grass, carpet and other hard surface creates a risk of serious injury or death from falls to the ground. Install and maintain shock absorbing material under and around play-set as recommended on page 3 of these instructions.

COLLISION HAZARD
Place play-set on level ground at least 6 feet from any obstruction such as a garage or house, fences, poles, trees, sidewalks, walls, landscape timbers, rocks, pavement, planters, garden borders, overhanging branches, laundry lines, and electrical wires. (See OBSTACLE FREE SAFETY ZONE on cover)

CHOKING HAZARD
Prior to assembly, this product contains small parts. DO NOT allow children less than 5 years of age near or around loose nuts, screws, washers, plastic bags and other small parts.

STRANGULATION HAZARD
- NEVER allow children to play with ropes, clotheslines, pet leashes, cables, chains or cord-like items when using this play-set or to attach these items to play-set.
- NEVER allow children to wear loose fitting clothing, ponchos, hoods, scarves, capes, necklaces, items with draw-strings, cords or ties when using this play-set.
- NEVER allow children to wear bike or sport helmets when using this play-set.

Failure to prohibit these items, even helmets with chin straps, increases the risk of serious injury and death to children from entanglement and strangulation.

TIP OVER HAZARD
Choose a level location for the equipment. This can reduce the likelihood of the play set tipping over and loose-fill surfacing materials washing away during heavy rains.

DO NOT allow children to play on the play-set until the assembly is complete and the unit is properly anchored.

⚠WARNING – Safe Play Instructions

- ✓ Observe capacity limitations of your play-set. See front cover.
- ✓ Dress children with well fitting and full foot enclosing footwear.
- ✓ Teach children to sit with their full weight in the center of the swing seat to prevent erratic swing motion or falling off.
- ✓ Check for splintered, broken or cracked wood; missing, loose, or sharp edged hardware. Replace, tighten and or sand smooth as required prior to playing.
- ✓ Verify that suspended climbing ropes, rope ladders, chain or cable are secured at both ends and cannot be looped back on itself as to create an entanglement hazard.
- ✓ On sunny and or hot days, check the slide and other plastic rides to assure that they are not very hot as to cause burns. Cool hot slide and rides with water and wipe dry prior to using.
- ✘ Do not allow children to wear open toe or heel footwear like sandals, flip–flops or clogs.
- ✘ Do not allow children to walk, in front, between, behind or close to moving rides.
- ✘ Do not let children twist swing chains or ropes or loop them over the top support bar. This may reduce the strength of the chain or rope and cause premature failure.
- ✘ Do not let children get off rides while they are in motion.
- ✘ Do not permit climbing on equipment when it is wet.
- ✘ Do not permit rough play or use of equipment in a manner for which it was not intended. Standing on or jumping from the roof, elevated platforms, swings, climbers, ladders or slide can be dangerous.
- ✘ Do not allow children to swing empty rides or seats.
- ✘ Do not allow children to go down slide head first or run up slide.

⚠Protective Surfacing - Reducing Risk of Serious Head Injury From Falls.

One of the most important things you can do to reduce the likelihood of serious head injuries is to install shock-absorbing protective surfacing under and around your play equipment. The protective surfacing should be applied to a depth that is suitable for the equipment height in accordance with ASTM F1292. There are different types of surfacing to choose from; whichever product you select, follow these guidelines:

Loose-Fill Materials

- Maintain a minimum depth of 9 inches of loose-fill materials such as wood mulch/chips, engineered wood fiber (EWF), or shredded/recycled rubber mulch for equipment up to 8 feet high; and 9 inches of sand or pea gravel for equipment up to 5 feet high. NOTE: An initial fill level of 12 inches will compress to about a 9-inch depth of surfacing over time. The surfacing will also compact, displace, and settle, and should be periodically raked and refilled to maintain at least a 9-inch depth.
- Use a minimum of 6 inches of protective surfacing for play equipment less than 4 feet in height. If maintained properly, this should be adequate. (At depths less than 6 inches, the protective material is too easily displaced or compacted.)

NOTE: Do not install home playground equipment over concrete, asphalt, or any other hard surface. A fall onto a hard surface can result in serious injury to the equipment user. Grass and dirt are not considered protective surfacing because wear and environmental factors can reduce their shock absorbing effectiveness. Carpeting and thin mats are not adequate protective surfacing. Ground level equipment -- such as a sandbox, activity wall, playhouse or other equipment that has no elevated play surface -- does not need any protective surfacing.

- Use containment, such as digging out around the perimeter and/or lining the perimeter with landscape edging. Don't forget to account for water drainage.
- Periodically rake, check and maintain the depth of the loose-fill surfacing material. Marking the correct depth on the play equipment support posts will help you to see when the material has settled and needs to be raked and or replenished. Be sure to rake and evenly redistribute the surfacing in heavily used areas.
- Do not install loose fill surfacing over hard surfaces such as concrete or asphalt.

Poured-In-Place Surfaces or Pre-Manufactured Rubber Tiles

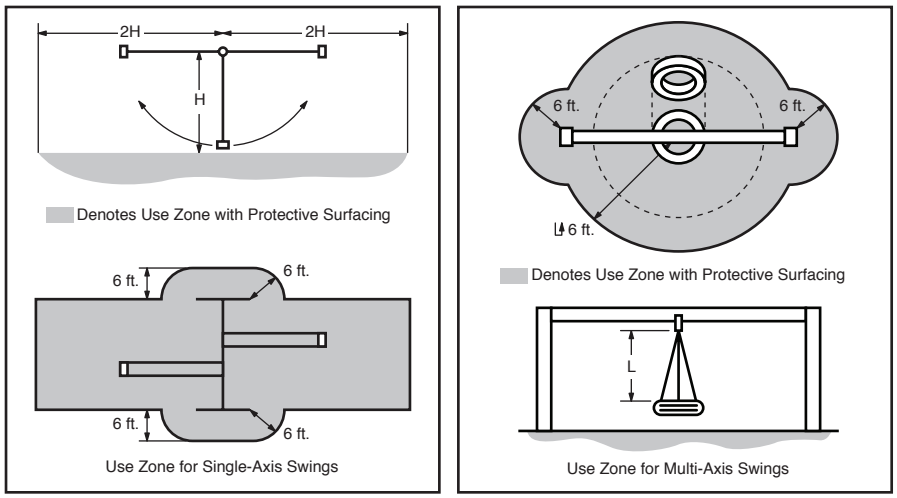
You may be interested in using surfacing other than loose-fill materials - like rubber tiles or poured-in-place surfaces.

- Installations of these surfaces generally require a professional and are not "do-it yourself" projects.
- Review surface specifications before purchasing this type of surfacing. Ask the installer/manufacturer for a report showing that the product has been tested to the following safety standard: ASTM F1292 *Standard Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment*. This report should show the specific height for which the surface is intended to protect against serious head injury. This height should be equal to or greater than the fall height - vertical distance between a designated play surface (*elevated surface for standing, sitting, or climbing*) and the protective surfacing below - of your play equipment.
- Check the protective surfacing frequently for wear.

Placement

Proper placement and maintenance of protective surfacing is essential. Refer to diagram on front cover. Be sure to;

- Extend surfacing at least 6 feet from the equipment in all directions.
- For to-fro swings, extend protective surfacing in front of and behind the swing to a distance equal to twice the height of the top bar from which the swing is suspended.
- For tire swings, extend surfacing in a circle whose radius is equal to the height of the suspending chain or rope, plus 6 feet in all directions.



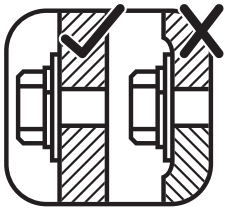
From the CPSC Outdoor Home Playground Safety Handbook. At www.cpsc.gov/CPSCPUB/PUBS/324.pdf

Instructions for Proper Maintenance

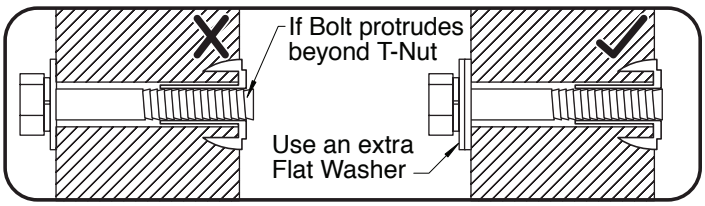
Your Cedar Summit Play System is designed and constructed of quality materials with your child's safety in mind. As with all outdoor products used by children, it will weather and wear. To maximize the enjoyment, safety and life of your Play Set, it is important that you, the owner, properly maintain it.

Check the following at the beginning of the play season:

HARDWARE:



- ✓ Check metal parts for rust. If found, sand and repaint using a non-lead paint complying with 16 CFR 1303.
- ✓ Inspect and tighten all hardware. On wood assemblies DO NOT OVER-TIGHTEN as to cause crushing and splintering of wood.
- ✓ Check for sharp edges or protruding screw threads, add washers if required.



SHOCK ABSORBING SURFACING:

- ✓ Check for foreign objects. Rake and check depth of loose fill protective surfacing materials to prevent compaction and maintain appropriate depth. Replace as necessary. (See Protective Surfacing, page 3)

GROUND STAKES (ANCHORS):

- ✓ Check for looseness, damage or deterioration. Should firmly anchor unit to ground during use. Re-secure and or replace, if necessary.

SWING HANGERS:

- ✓ Check that bolts are secure and tight. Quick clips should be completely closed and threaded clips screwed tight.
- ✓ If squeaking occurs lubricate bushings with oil or WD-40®.

SWINGS, ROPES AND RIDES:

- ✓ Reinstall if removed during cold season. Check all moving parts including swing seats, ropes, chains and attachments for wear, rust and other deterioration. Replace as needed.
- ✓ Check that ropes are tight, secure at both ends and cannot loop back as to create an entrapment.

WOOD PARTS:

- ✓ Check all wood members for deterioration, structural damage and splintering. Sand down splinters and replace deteriorated wood members. As with all wood, some checking and small cracks in grain is normal.
- ✓ Unprotected, they will appear weathered over time. Periodic application of an exterior water repellent or stain (water-based) will help improve appearance and life.

Check twice a month during play season:

HARDWARE:

- ✓ Inspect for tightness. Must be firmly against, but not crushing the wood. DO NOT OVER-TIGHTEN. This will cause splintering of wood.
- ✓ Check for sharp edges or protruding screw threads. Add washers if required.

SHOCK ABSORBING SURFACING:

- ✓ Rake and check depth of loose fill protective surfacing materials to prevent compaction and maintain appropriate depth. Replace as necessary. (See Protective Surfacing, page 3)

Check once a month during play season:

SWING HANGERS:

- ✓ Check that they are secure and orientated correctly. Hook should rotate freely and perpendicular to support beam.
- ✓ If squeaking occurs lubricate bushings with oil or WD-40®.

SWINGS AND RIDES:

- ✓ Check swing seats, all ropes, chains and attachments for fraying, wear, excessive corrosion or damage. Replace if structurally damaged or deteriorated.

Check at the end of the play season:

SWINGS AND RIDES:

- ✓ To prolong their life, remove swings and store inside when outside temperature is below 32°F/0°C. Below freezing, plastic parts may become more brittle.

SHOCK ABSORBING SURFACING:

- ✓ Rake and check depth of loose fill protective surfacing materials to prevent compaction and maintain appropriate depth. Replace as necessary. (See Protective Surfacing, page 3)

If you dispose of your play set: Please disassemble and dispose of your unit so that it does not create any unreasonable hazards at the time it is discarded. Be sure to follow your local waste ordinances.

About Our Wood

Cedar Summit Premium Play Systems uses 100% FSC wood. Although we take great care in selecting the best quality lumber available, wood is still a product of nature and susceptible to weathering which can change the appearance of your set.

What causes weathering? Does it affect the strength of my Play System?

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

1. **Checking** is surface cracks in the wood along the grain. A post (4" x 4") will experience more checking than a board (1" x 4") because the surface and interior moisture content will vary more widely than in thinner wood.
2. **Warping** results from any distortion (twisting, cupping) from the original plane of the board and often happens from rapid wetting and drying of the wood.
3. **Fading** happens as a natural change in the wood color as it is exposed to sun-light and will turn a grey over time.

How can I reduce the amount of weathering to my Play System?

At the factory we have coated the wood with a water repellent or stain. This coating decreases the amount of water absorption during rain or snow thus decreasing the tension in the wood. Sunlight will break down the coating, so we recommend applying a water repellent or stain on a yearly basis (see your local stain and paint supplier for a recommended product).

Most weathering is just the normal result of nature and will not affect safe play and enjoyment for your child. However if you are concerned that a part has experienced a severe weathering problem please call our consumer relations department for further assistance.

Complete and mail registration card to receive important product notifications and assure prompt warranty service.

10 Year Limited Warranty

Solowave Design warrants that this product is free from defect in materials and workmanship for a period of one year from the original date of purchase. In addition, lumber is warranted for 10 years against structural failure due to rot and insect damage. All other parts, such as hardware, swings, rides, accessories, and slides carry a one-year warranty only.
This warranty applies to the original owner and registrant and is non-transferable.
Regular maintenance is required to assure the integrity of your Play System. This warranty does not cover any inspection cost.

This Limited Warranty does not cover:

- Labor for replacement of any defective item(s);
- Incidental or consequential damages;
- Cosmetic defects which do not affect performance or integrity;
- Vandalism; improper use or installation; acts of nature;
- Minor twisting, warping, checking, or any other natural occurring properties of wood that do not affect performance or integrity.

Solowave Design products have been designed for safety and quality. Any modifications made to the original product could damage the structural integrity of the unit leading to failure and possible injury. Solowave Design Inc. cannot assume any responsibility for modified products. Furthermore, modification voids any and all warranties.

This product is warranted for **RESIDENTIAL USE ONLY**. Under no circumstance should a Solowave Design Play System be used in public settings such as schools, churches, playgrounds, parks, day cares and the like. Such use may lead to product failure and potential injury. Any and all public use will void this warranty.
Solowave Design disclaims all other representations and warranties of any kind, express or implied.

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

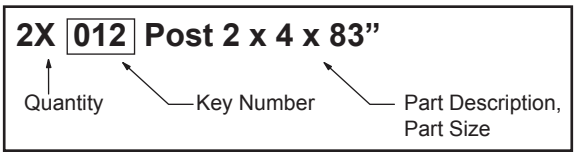
Keys to Assembly Success

Tools Required

• Tape Measure • Carpenters Level • Carpenters Square • Claw Hammer • Standard or Cordless Drill	• #1, #2 & #3 Phillips or Robertson Bits or Screwdriver • Ratchet with extension (1/2" & 9/16" sockets)	• Open End Wrench (7/16", 1/2" & 9/16") • Adjustable Wrench • 1/8" & 3/16" Drill Bits • Pencil	• 3/16" Hex Key • 8' Step Ladder • Safety Glasses • Adult Helpers

Part Identification Key

On each page, you will find the parts and quantities required to complete the assembly step illustrated on that page. Here is a sample.



Key Number: The first two digits represent the step number. The third digit represents the piece. Note that if the part is used in multiple steps then the number only reflects the first step it is used in.

Symbols

Throughout these instructions symbols are provided as important reminders for proper and safe assembly.

This identifies information that requires special attention. Improper assembly could lead to an unsafe or dangerous condition.

Use Help

Use Help

Where this is shown, 2 or 3 people are required to safely complete the step. To avoid injury or damage to the assembly make sure to get help!

Measure Distance

Check that assembly is square before tightening bolts.

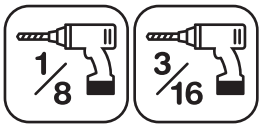
Use a measuring tape to assure proper location.

Square Assembly

Check that set or assembly is properly level before proceeding.

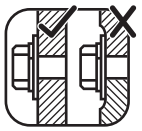
Use Level

Pre-drill 1/8" & 3/16" Bit



Pre-drill a pilot hole before fastening screw or lag to prevent splitting of wood.

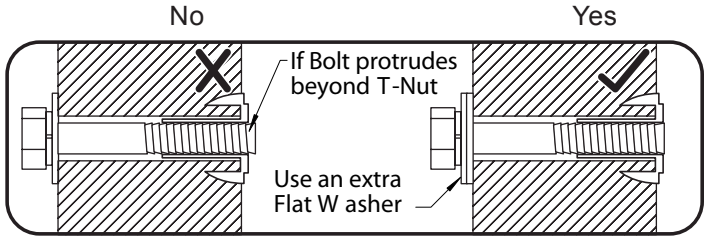
Tighten Bolts



This indicates time to tighten bolts, but not too tight! Do not crush the wood. This may create splinters and cause structural damage.

⚠CAUTION – Protrusion Hazard

Once the assembly is tightened, watch for exposed threads. If a thread protrudes from the T-Nut, remove the bolt and add washers to eliminate this condition. Extra washers have been provided for this purpose.

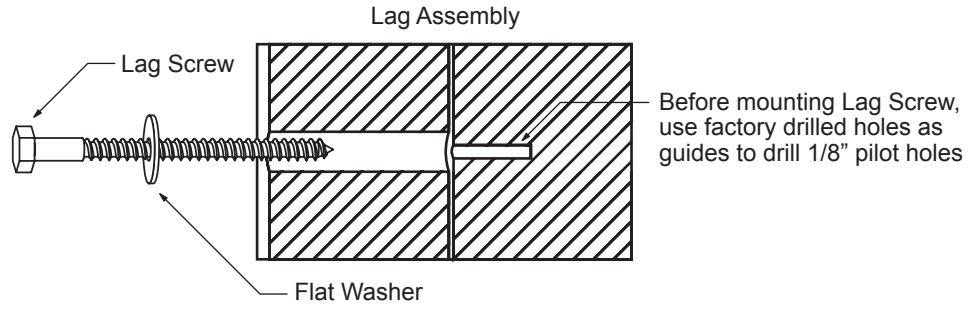


Proper Hardware Assembly

Lag screws require drilling pilot holes to avoid splitting wood. Only a flat washer is required. For ease of installation liquid soap can be used on all lag-type screws.

For bolts, tap T-Nut into hole with hammer. Insert the hex bolt through lock washer first then flat washer then hole. Because the assemblies need to be squared do not completely tighten until instructed. Pay close attention to diameter of the bolts. 5/16" is slightly larger than 1/4".

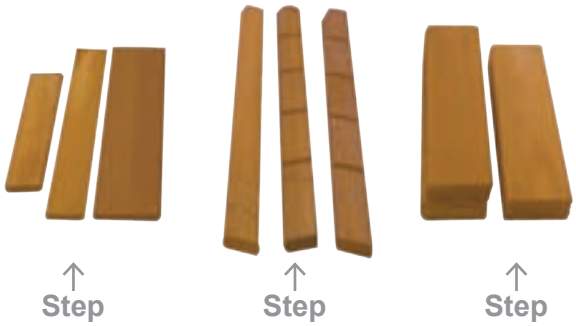
Note: Wafer head bolts with blue lock tight or a bolt with a Ny-Lok nut do NOT require a lock washer.



support@cedarsummitplay.com

Your Key To Quick Assembly

SORTING WOOD PARTS INTO EACH ASSEMBLY STEP WILL SAVE TIME!



SAVE TIME - TIP #1:

Wood parts are found in Box 2, 3, 4 & 5. Open each box with wood parts and look for the <u>Key Number</u> stamped on the end of the wood part (see chart below). Sort each wood part into the different assembly steps.

2X	012	Post	2 x 4 x 83”
↑ Part Quantity	↑ Key Number	↑ Part Description	↑ Part Size

Step Number (This is Step 1)	012	Order Listed (The order the part is listed in step 1)

Key Number: The first two digits represent the step number. The third digit represents the order in which the part is listed in the step.

Note that if the part is used in multiple steps then the key number only reflects the first step it is used in.

SAVE TIME - TIP #2:

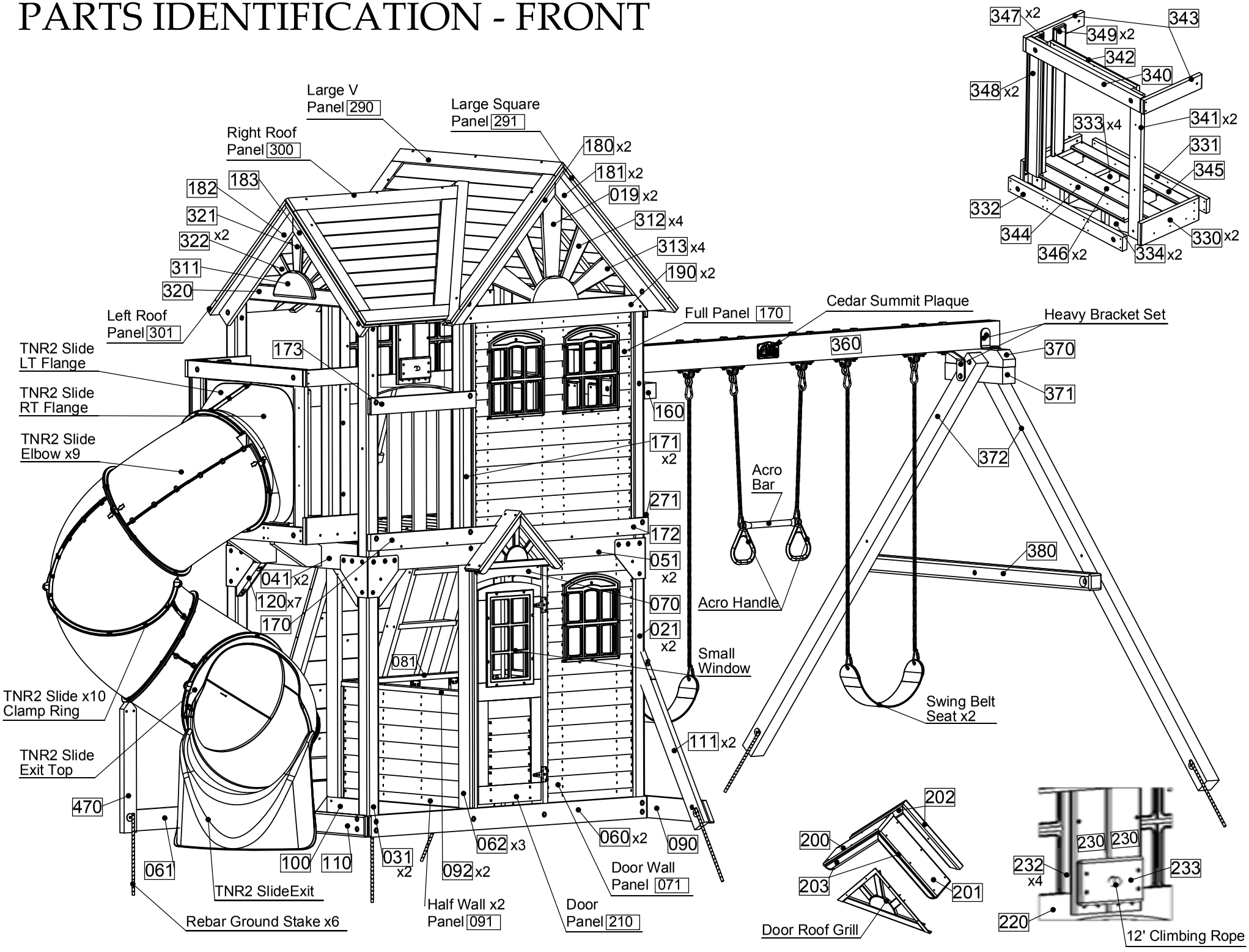
In addition to the key number stamp, you can also identify the wood parts by using the Parts Identification pages in the manual or the Parts Identification weather resistant poster.

HARDWARE:

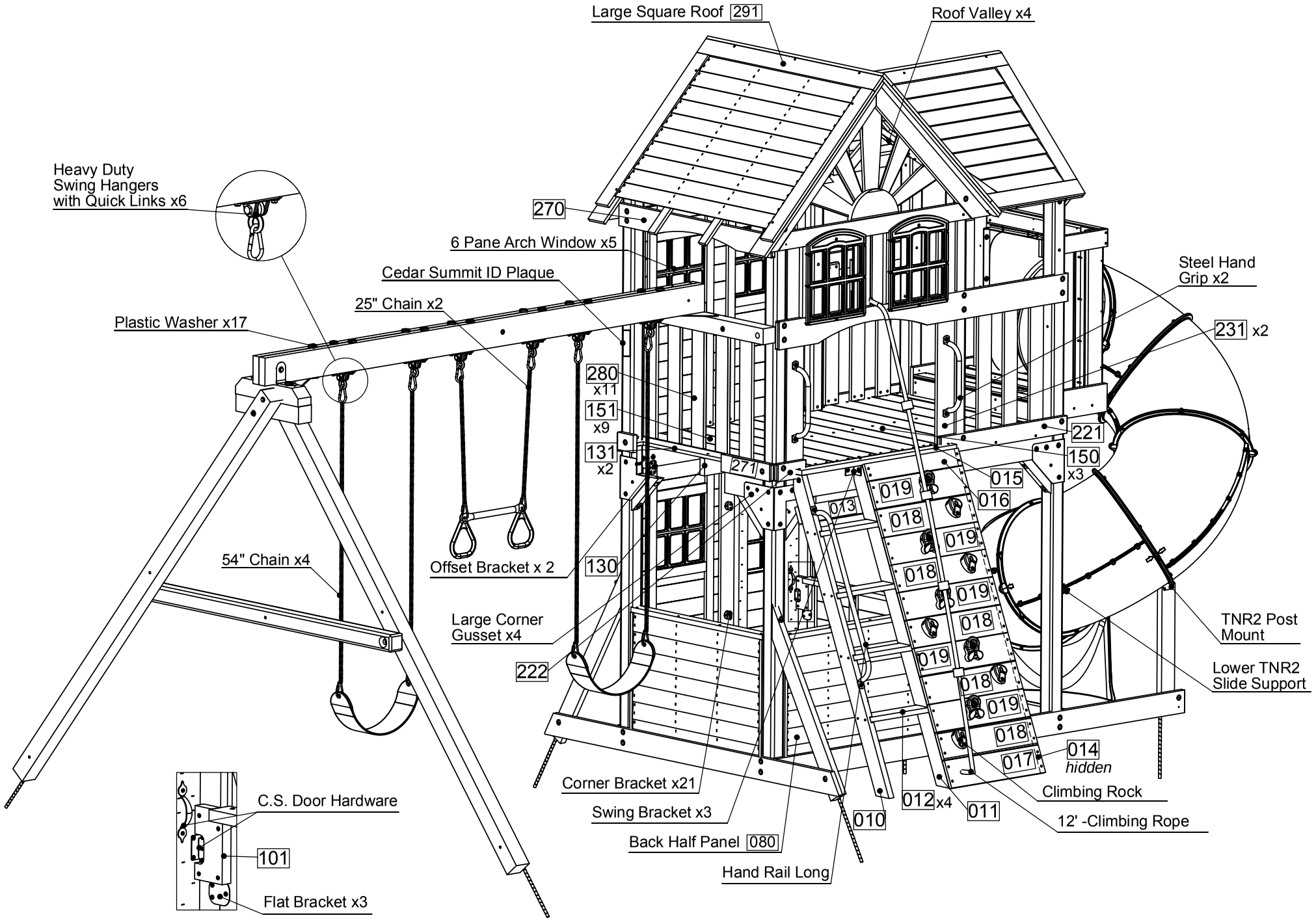
The majority of each hardware part comes packed in a separate bag so you do not need to sort the hardware. Each assembly step indicates which hardware (bolt, screw, washer etc.) you will require to complete the step.

support@cedarsummitplay.com

PARTS IDENTIFICATION - FRONT

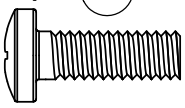


PARTS IDENTIFICATION - REAR

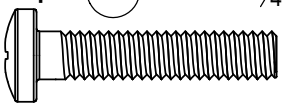


Hardware Identification (Actual Size)

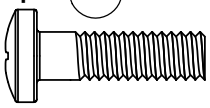
93pc. -**PB1** -Pan Bolt $\frac{1}{4}$ x $\frac{3}{4}$ - (9274203)



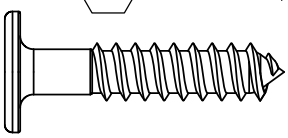
13pc. -**PB2** -Pan Bolt $\frac{1}{4}$ x $1\frac{1}{4}$ - (9274211)



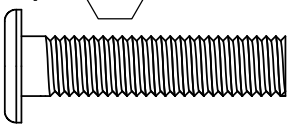
1pc. -**PB6** -Pan Bolt $\frac{1}{4}$ x 1 - (9274210)



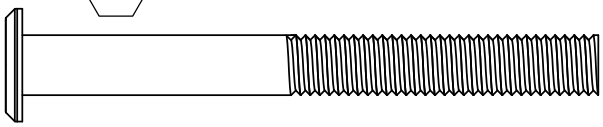
17pc. -**WL3** -Wafer Lag $\frac{1}{4}$ x 1⅜" - (9266216)



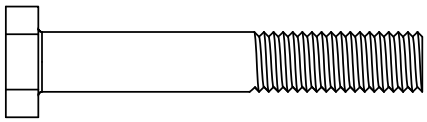
19pc. -**WB2** -Wafer Bolt 5/16 x 1⅜" - (9276316)



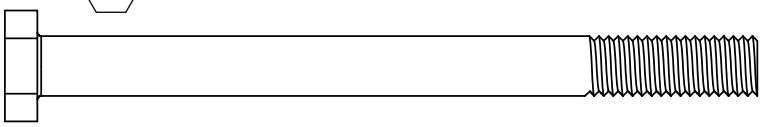
25pc. -**WB7** -Wafer Bolt 5/16 x 3" - (9276330)



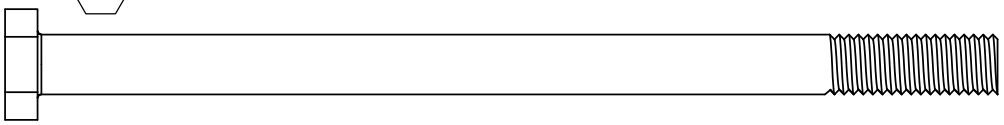
7pc. -**G8** -Hex Bolt 5/16 x 2" - (9277320)



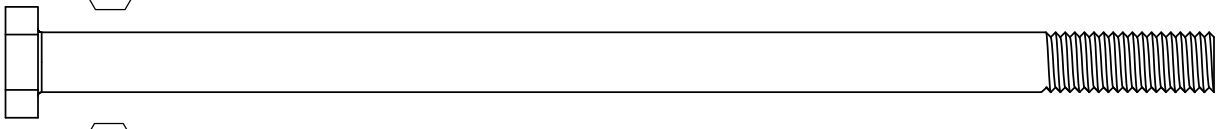
26pc. -**G21** -Hex Bolt 5/16 x 3¾" - (9277333)



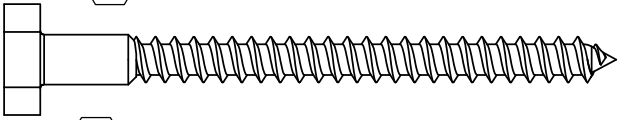
2pc. -**G22** -Hex Bolt 5/16 x 5" - (9277350)



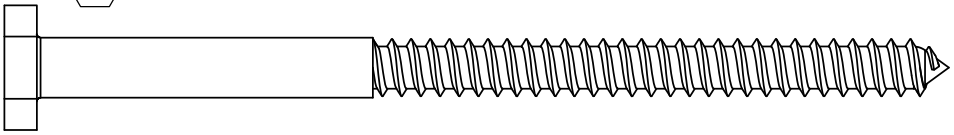
12pc. -**G13** -Hex Bolt 5/16 x 6⅛" - (9277364)



37pc. -**LS6** -Lag Screw 5/16 x 3" - (9272330)

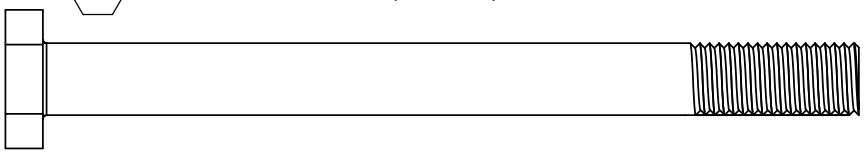


5pc. -**LS9** -Lag Screw 5/16 x 4¾" - (9262343)

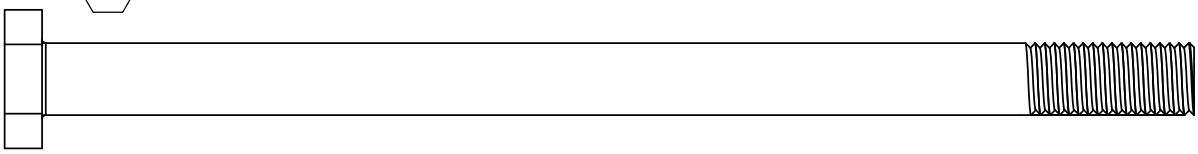


Hardware Identification (Actual Size)

1pc. -**G14** -Hex Bolt 3/8 x 4¼" - (9277841)

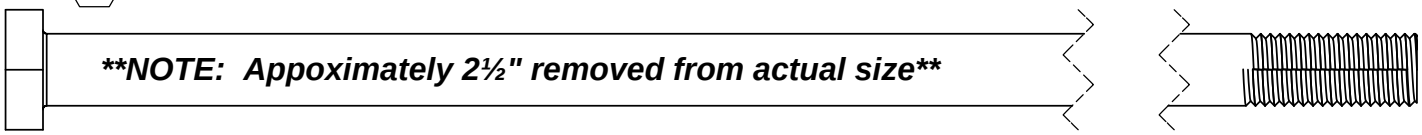


4pc. -**G17** -Hex Bolt 3/8 x 6" - (9277860)

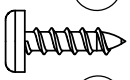


1pc. -**G18** -Hex Bolt 3/8 x 9" - (9277890)

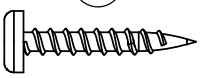
1pc. -**G23** -Hex Bolt 3/8 x 9¾" - (9277893)



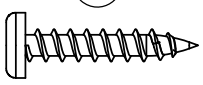
112pc. -**S13** -Pan Screw #6 x 5/8" - (9264990)



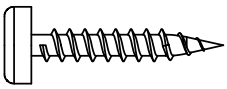
80pc. -**S16** -Pan Screw #6 x 1" - (9264010)



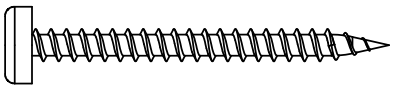
10pc. -**S10** -Pan Screw #8 x 1" - (9264510)



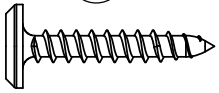
13pc. -**S6** -Pan Screw #12 x 1" - (9264610)



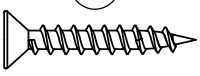
12pc. -**S7** -Pan Screw #12 x 2" - (9264620)



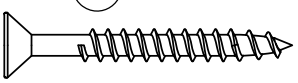
8pc. -**WH2** -Wafer Head Screw #12 x 1" - (9266610)



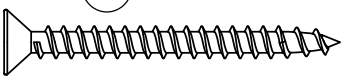
8pc. -**S18** -Wood Screw #6 x 1" - (9260910)



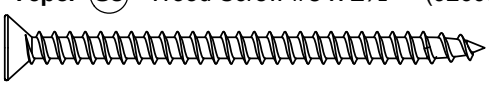
271pc. -**S20** -Wood Screw #8 x 1⅜" - (9260516)



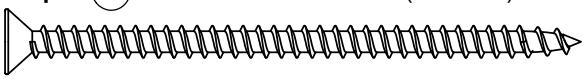
89pc. -**S15** -Wood Screw #8 x 1¾" - (9260513)



76pc. -**S3** -Wood Screw #8 x 2½" - (9260522)

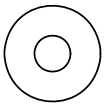


33pc. -**S4** -Wood Screw #8 x 3" - (9260530)

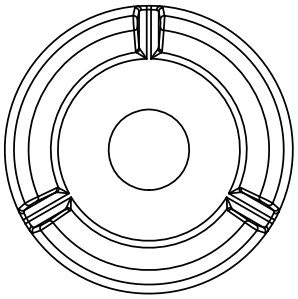


Hardware Identification (Actual Size)

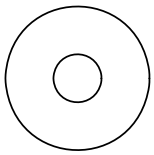
10pc. (FW0) -3/16" Flat Washer - (9251100)



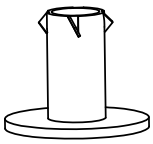
17pc. (FW5) - Plastic Formed Washer - (3290000)



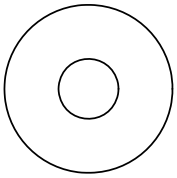
22pc. (FW1) -1/4" Flat Washer - (9251200)

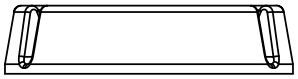


10pc. [BN1] -1/4" Barrel Nut - (9248200)

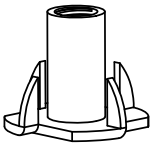


145pc. (FW2) - 5/16" Flat Washer - (9251300)

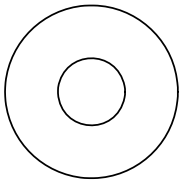




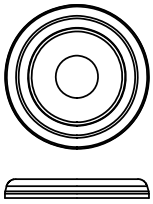
6pc. [TN1] - 1/4"T - Nut -(9285200)



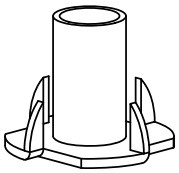
14pc. (FW7) - 3/8" Flat Washer - (9259800)



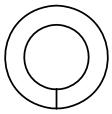
8pc. (FW6) -#12 Screw Bezel - (9299500)



79pc. [TN2] - 5/16" T- Nut - (9285300)

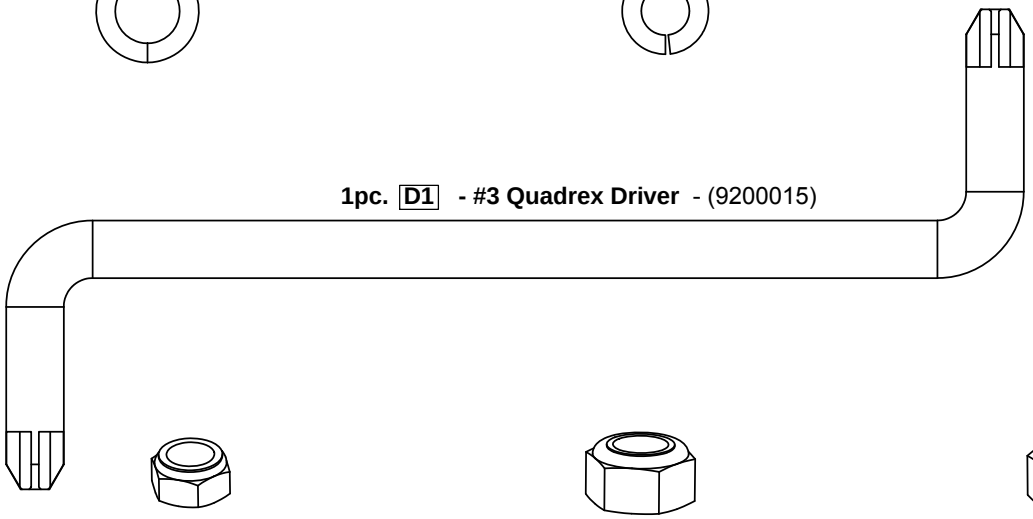


35pc. (LW2) - 5/16" Lock Washer - (9253300)



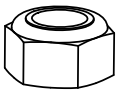
16pc. (LW1) -1/4" Lock Washer - (9253200)

1pc. [D1] **- #3 Quadrex Driver** - (9200015)

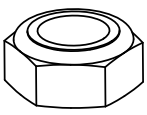


89pc. (LN1) -1/4" Lock Nut - (9283200)

12pc. (LN2) - 5/16" Lock Nut - (9283300)

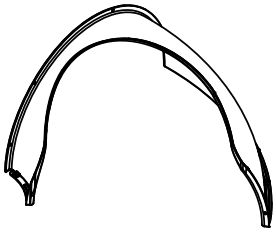


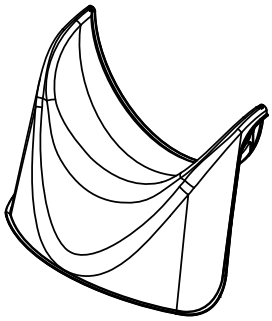
7pc. (LN3) - 3/8" Lock Nut - (9283800)



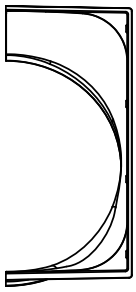
Parts Identification (Reduced Size)

1x - TNR2 Slide Exit Top - (3310224)

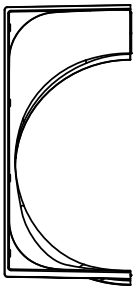




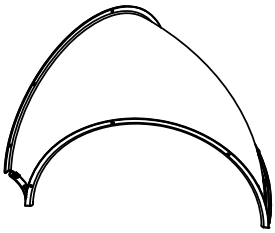
1x - TNR2 Slide Exit - (3310220)



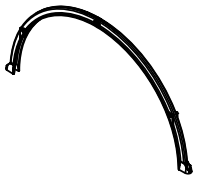
1x - TNR2 Slide RT Flange (3310223)



1x - TNR2 Slide LT Flange (3310222)

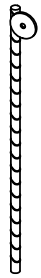


9x - TNR2 Slide Elbow (3310221)

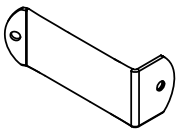


10x - TNR2 Slide Clamp Ring (9300220)

1x - (6pk) Rebar Ground Stake16" (3200318)



1x - TNR2 Slide Support (9200226) Yellow



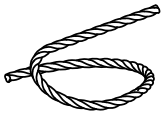
1x - Cedar Summit Plaque (9320358)

1x. - Rocks (10pk) (3320210) -Green/Yellow/Burgundy

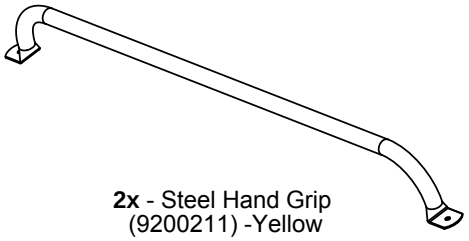
1x - TNR2 Post Mount (9200203) Yellow

1x - (3pk) Swing Bracket Set (3201530) -Green

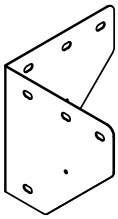
1x - 12' - 5/8" Rope (Yellow) (3502150)



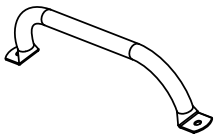
1x - Steel Hand Rail (9200222) -Yellow



4x - Large Corner Gusset (3200188) -Green



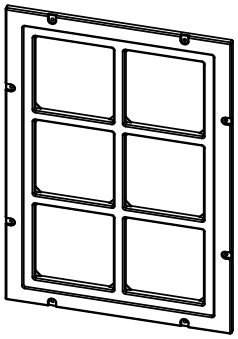
2x - Steel Hand Grip (9200211) -Yellow



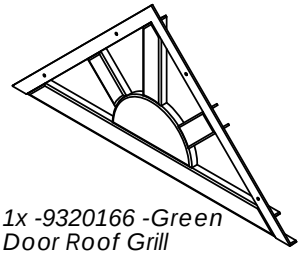
1x - Cedar Summit ID Plaque (9320357)

Part Identification (Reduced Part Size)

1x - Roof Valley/ Window/Grill Set
(3320600)

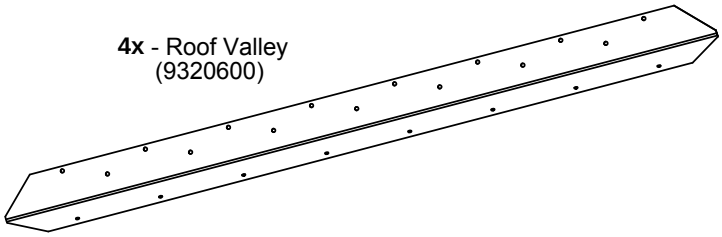


1x -9320146 -Green
Small Window

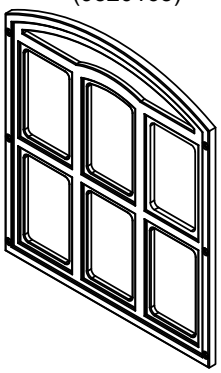


1x -9320166 -Green
Door Roof Grill

4x - Roof Valley
(9320600)

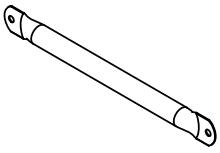


5x - 6 Pane Arch Window Set
(9320165)

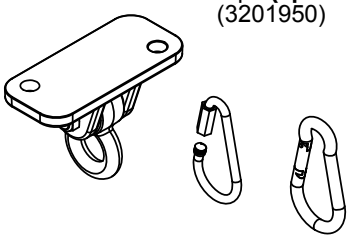


2x - Acro Handle
(9320131) Green

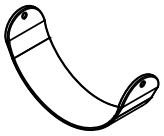
1x - Acro Bar
(9200130) Green



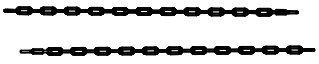
1x - Heavy Duty Swing Hangers
with Clips **(6pc set)**
(3201950)



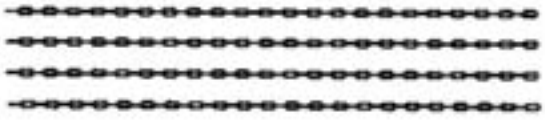
2x - Swing Belt Seat
(9320130) Green



1x - Welded Chain Bag
(3200170) Green

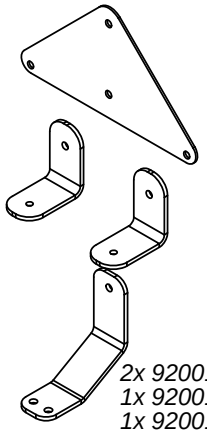


2x 9201225
25" chain -Green



4x 9201254
54" chain -Green

1x - Heavy Bracket Set
(3200150) Green

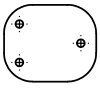


2x 9200151 (L-Bracket)
1x 9200152(T-Bracket)
1x 9200150 (G-Bracket)

1x - C.S. Costco Bracket Set
(3201580)

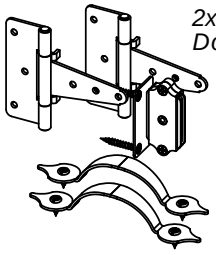
21x 3201570
Corner Brkt

2x 3201575
Offset Panel Brkt



3x 3201566 -Green
Flat Brkt

1x - C.S. Panorama Door Hardware
(3201710)



2x 9201712
Door Hinge -Green

9207713
Door Catch -Green
1x Magnetic Catch
1x Catch Plate

2x 9207711
Door Handle -Green

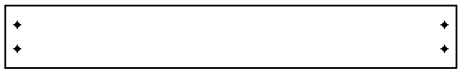
Part Identification (Reduced Part Size)

Nominal Size	Actual Size
1" x 4"	⅝" x 3¼"
1" x 5"	⅝" x 4¼"

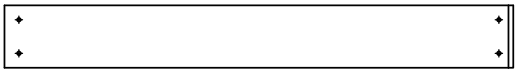
2pc. - **322** - Sunburst B Small FSC 1 x 4 x 9¾" - Box 4 - 4638307

1pc. - **321** - Sunburst A Small FSC 1 x 4 x 15¼" - Box 4 - 4638306

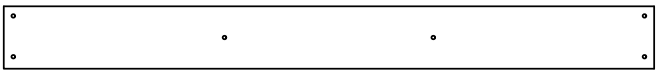
1pc. - **016** - Access Board FSC 1 x 4 x 23½" -Box 2 - 4638121



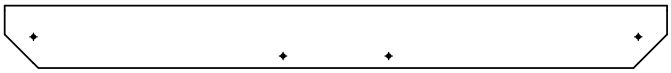
11pc. - **280** - Wall Board FSC 1 x 4 x 26½" - Box 3 - 4638039



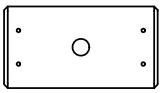
1pc. - **345** - Crowsnest Floor FSC 1 x 4 x 33⅞" - Box 2 - 4638108



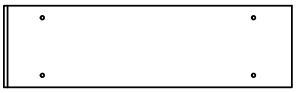
1pc. - **320** - Sunburst Bottom FSC 1 x 4 x 34½" -Box 3 - 4638308



1pc. - **233** - Rope Support FSC 1 x 5 x 8" - Box 3 - 4638328

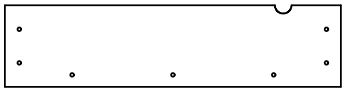


1pc. - **201** - Roof Board B FSC 1 x 5 x 15" - Box 5 - 4638301



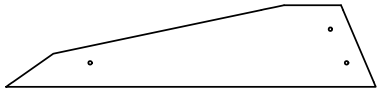
1pc. - **200** - Roof Board A FSC 1 x 5 x 15⅝" - Box 5 - 4638300

2pc. - **230** - Rope Wall Board FSC 1 x 5 x 17½" - Box 3 - 4638327



4pc. - **312** - Starburst B FSC 1 x 5 x 18⅞" - Box 2 - 4638303

4pc. - **313** - Starburst C FSC 1 x 5 x 19½" - 4638304 - Box 2



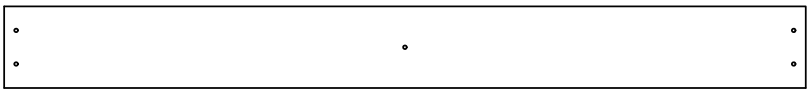
Part Identification (Reduced Part Size)

Nominal Size	Actual Size
1" x 5"	⅝" x 4¼"
1" x 6"	⅝" x 5¼"
5/4 x 2"	15/16" x 1¼"

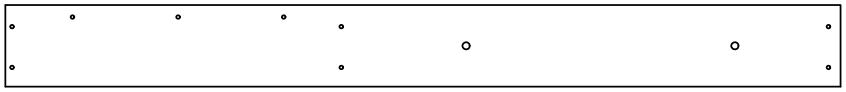
2pc. - **346** - Crowsnest Floor FSC 1 x 5 x 33⅞" - 4638109 - Box 2

1pc. - **344** - Crowsnest Gap FSC 1 x 5 x 33⅞" - 4638111 - Box 2

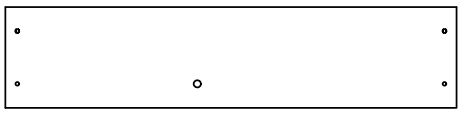
3pc. - **150** - Floor Board FSC 1 x 5 x 41¾" - 4638123 - Box 3



2pc. - **231** - Wall Board FSC 1 x 5 x 43½" - 4638338 - Box 3



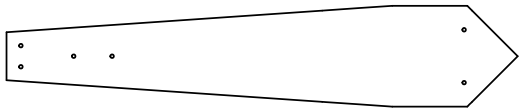
5pc. - **019** - Rock Board B FSC 1 x 6 x 23½" - 4638137 - Box 2



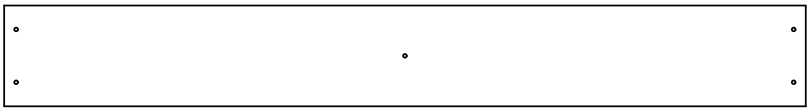
5pc. - **018** - Rock Board A FSC 1 x 6 x 23½" - 4638149 - Box 2

1pc. - **017** - Rock Bottom FSC 1 x 6 x 23½" - 4638313 - Box 2

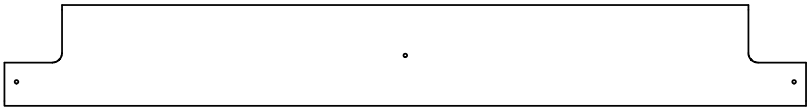
2pc. - **310** - Starburst A FSC 1 x 6 x 26⅝" - 4638302 - Box 2



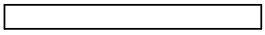
9pc. - **151** - Floor Board FSC 1 x 6 x 41¾" - 4638124 - Box 2



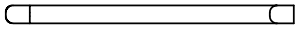
2pc. - **131** - Gap Board FSC 1 x 6 x 41¾" - 4638131 - Box 3



4pc. - **232** - Window Spacer FSC 5/4 x 2 x 13¼" - 4638315 - Box 2



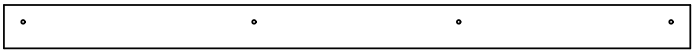
2pc. - **203** - Roof Trim FSC 5/4 x 2 x 15" - 4638172 - Box 3



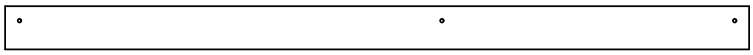
Part Identification (Reduced Part Size)

Nominal Size	Actual Size
5/4" x 3" 5/4" x 4"	15/16" x 2¼" 15/16" x 3¼"

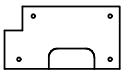
2pc. - **092** - Cafe Top FSC 5/4 x 3 x 35¾" - 4638319 - Box 5



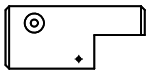
1pc. - **015** - Ladder Top FSC 5/4 x 3 x 38¾" - 4638309 - Box 2



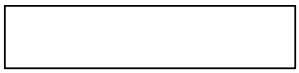
1pc. - **101** - Door Stop FSC 5/4 x 4 x 6" - 4638317 - Box 4



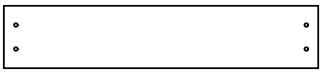
1pc. - **222** - Short Lower Wall FSC 5/4 x 4 x 7¼" - 4638326 - Box 4



4pc. - **012** - Tread FSC 5/4 x 4 x 15⅛" - 4638156 - Box 5

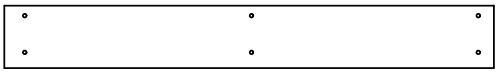


1pc. - **013** - Ladder Gap FSC 5/4 x 4 x 16⅜" - 4638175 - Box 5

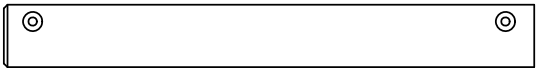


2pc. - **343** - Crowsnest Side FSC 5/4 x 4 x 16½" - 4638116 - Box 5

1pc. - **342** - Crowsnest Short FSC 5/4 x 4 x 25½" - 4638115 - Box 5

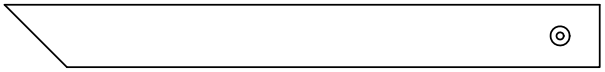


1pc. - **173** - Wall Support FSC 5/4 x 4 x 27⅝" - 4638320 - Box 4



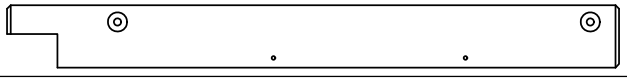
2pc. - **349** - Crowsnest Rail FSC 5/4 x 4 x 30" - 4638114 - Box 5

1pc. - **182** - L Roof Support FSC 5/4 x 4 x 31" - 4638330 -Box 4



1pc. - **183** - R Roof Support FSC 5/4 x 4 x 31" - 4638331 -Box 4

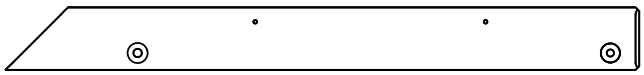
1pc. - **221** - Long Lower Wall FSC 5/4 x 4 x 31⅞" - 4638325 - Box 5



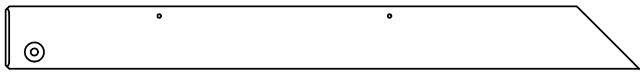
Part Identification (Reduced Part Size)

Nominal Size	Actual Size
5/4" x 4"	15/16" x 3¼"
5/4" x 5"	15/16" x 4¼"

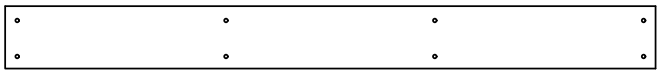
1pc. - **170** - Left Lower Front FSC 5/4 x 4 x 33" - 4638310 - Box 5



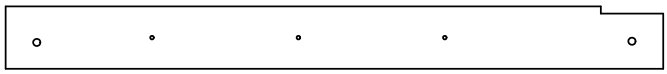
1pc. - **172** - Right Lower Front FSC 5/4 x 4 x 33" - 4638311 - Box 5



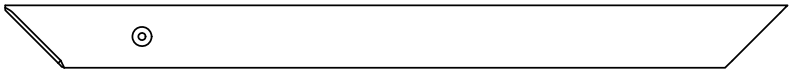
1pc. - **331** - Crowsnest Back FSC 5/4 x 4 x 33⅞" - 4638105 -Box 5



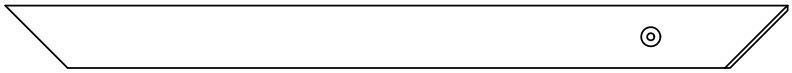
2pc. - **341** - Crowsnest Upright FSC 5/4 x 4 x 34¼" - 4638118 - Box 5



2pc. - **180** - Left Roof Support FSC 5/4 x 4 x 40¾" - 4638332 - Box 4

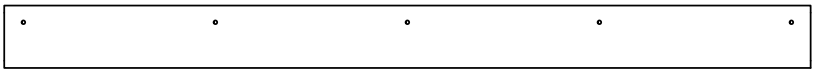


2pc. - **181** - Right Roof Support FSC 5/4 x 4 x 40¾" - 4638333 - Box 4

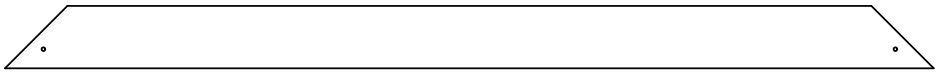


1pc. - **271** - SW Wall Support FSC 5/4 x 4 x 41¾" - 4638154 - Box 5

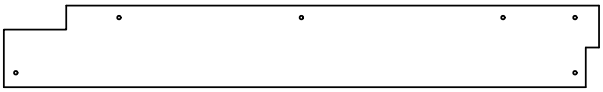
1pc. - **081** - Top Cafe FSC 5/4 x 4 x 42" - 4638318 - Box 4



2pc. - **190** - Lower Roof FSC 5/4 x 4 x 48⅜" - 4638329 - Box 5



2pc. - **347** - Crowsnest Wall FSC 5/4 x 5 x 31" - 4638119 - Box 2



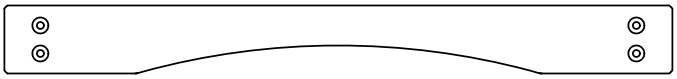
1pc. - **110** - Ground Side FSC 5/4 x 5 x 41¾" - 4638133 - Box 2

1pc. - **100** - Ground Divider FSC 5/4 x 5 x 41¾" - 4638132 - Box 3

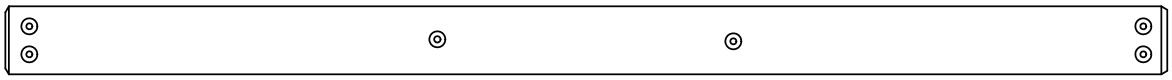
Part Identification (Reduced Part Size)

Nominal Size	Actual Size
5/4" x 5"	15/16" x 4¼"
5/4" x 6"	15/16" x 5¼"
2" x 4"	1¼" x 3¼"
2" x 6"	1¼" x 5¼"

1pc. - **270** - SW Top FSC 5/4 x 5 x 41¾" - 4638337 - Box 3

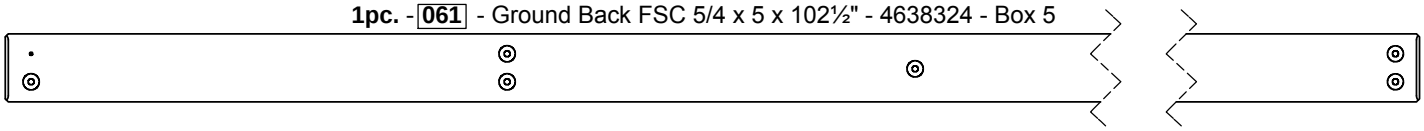


1pc. - **060** - Ground Front FSC 5/4 x 5 x 72⅝" - 4638323 - Box 5

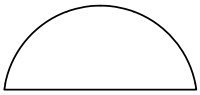


1pc. - **090** - SW Ground FSC 5/4 x 5 x 80" - 4638153 - Box 4

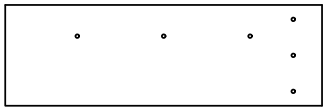
1pc. - **061** - Ground Back FSC 5/4 x 5 x 102½" - 4638324 - Box 5



3pc. - **311** - Starburst Centre FSC 5/4 x 6 x 12" - 4638305 - Box 4

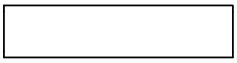


2pc. - **330** - Crowsnest Bottom Side FSC 5/4 x 6 x 16½" - 4638314 - Box 4

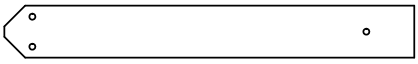


1pc. - **220** - Top Back FSC 5/4 x 6 x 72⅝" - 4638321 - Box 4

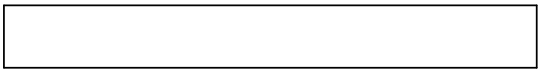
4pc. - **333** - Crowsnest Joist FSC 2 x 4 x 14 5/16" - 4638113 - Box 4



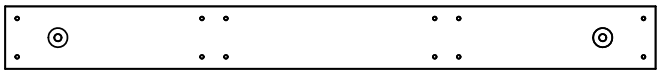
1pc. - **470** - SL Support FSC 2 x 4 x 26¼" - 4638168 - Box 4



2pc. - **348** - Crowsnest Face FSC 2 x 4 x 27¾" - 4638107 - Box 4



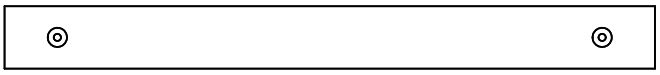
1pc. - **332** - Crowsnest Front FSC 2 x 4 x 33⅞" - 4638110 - Box 4



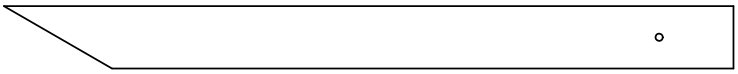
Part Identification (Reduced Part Size)

Nominal Size	Actual Size
2" x 4"	1¼" x 3¼"
2" x 5"	1¼" x 4¼"
2" x 6"	1¼" x 5¼"

1pc. - **340** - Crowsnest SL Top FSC 2 x 4 x 33⅞" - 4638117 - Box 5

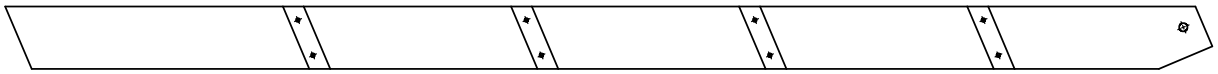


2pc. - **111** - Cedar Diagonal FSC 2 x 4 x 38" - 4638142 - Box 4

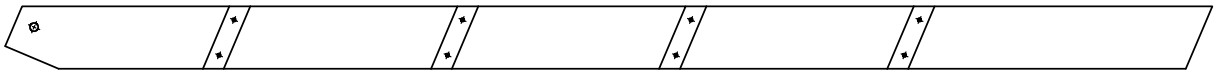


3pc. - **062** - Post Lower FSC 2 x 4 x 57" - 4638359 - Box 4

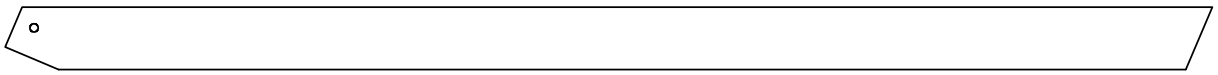
1pc. - **010** - Left Access Rail FSC 2 x 4 x 62⅞" - 4638145 - Box 4



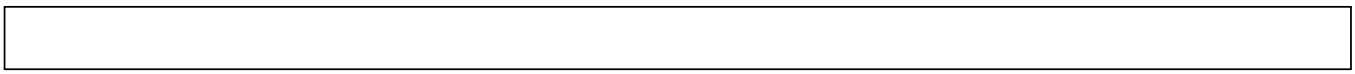
1pc. - **011** - Right Access Rail FSC 2 x 4 x 62⅞" - 4638146 - Box 4



1pc. - **014** - Rock Rail FSC 2 x 4 x 62⅞" - 4638139 - Box 5

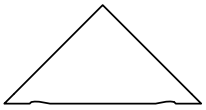


1pc. - **130** - Floor Joist FSC 2 x 4 x 70⅛" - 4638316 - Box 4

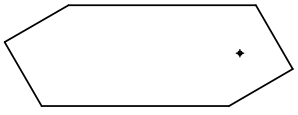


1pc. - **070** - Door Top FSC 2 x 5 x 17 1/16 - 4638312 - Box 2

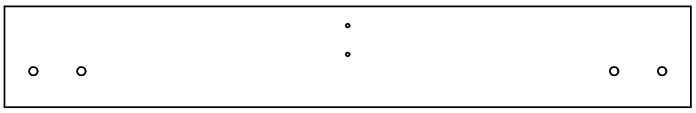
7pc. - **120** - Gusset FSC 2 x 6 x 10½" - 4638134 - Box 3



2pc. - **334** - Crowsnest Gusset FSC 2 x 6 x 15" - 4638112 - Box 4



2pc. - **041** - Floor End FSC 2 x 6 x 35¾" - 4638125 - Box 5

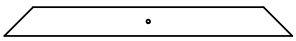


2pc. - **051** - Floor Front Back FSC 2 x 6 x 66⅝" - 4638322 - Box 5

Part Identification (Reduced Part Size)

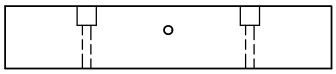
Nominal Size	Actual Size
2" x 2"	1½" x 1½"
4" x 4"	3" x 3"
4" x 6"	3¼" x 5¼"

2pc. - **202** - Roof Block FSC 2 x 2 x 15" - Box 5 - 4638170

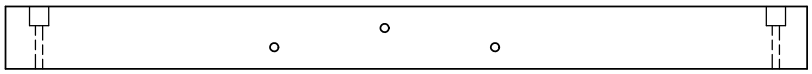


1pc. - **370** - Angle SW Block FSC 4 x 4 x 15" - Box 4 - 4638164

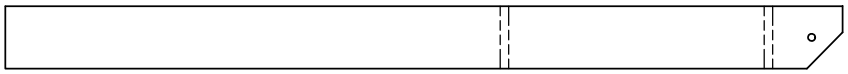
1pc. - **371** - SW Block FSC 4 x 4 x 15" - Box 5 - 4638165



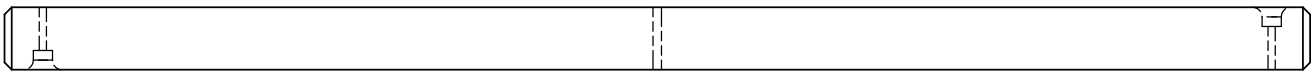
1pc. - **160** - SW Wall FSC 4 x 4 x 41¾" - Box 4 - 4638129



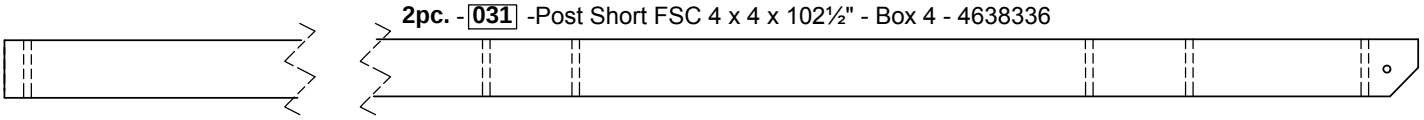
2pc. - **171** - Mid Post FSC 4 x 4 x 47" - Box 4 - 4638334



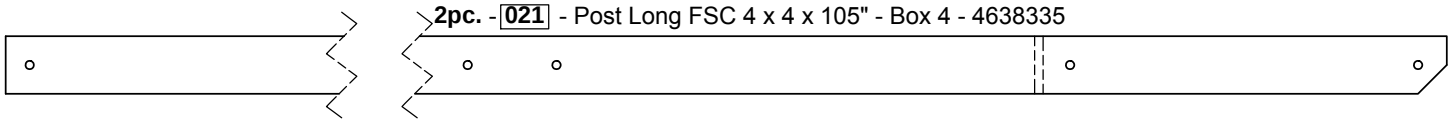
1pc. - **380** - Cross Support FSC 4 x 4 x 64" - Box 4 - 4638167



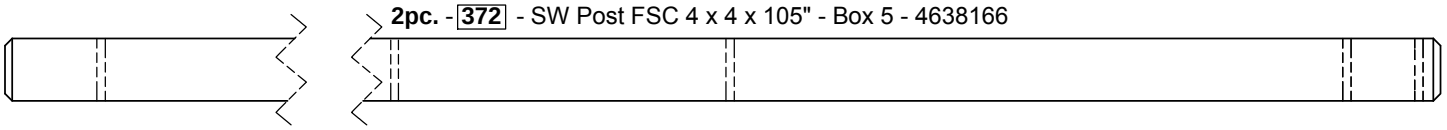
2pc. - **031** -Post Short FSC 4 x 4 x 102½" - Box 4 - 4638336



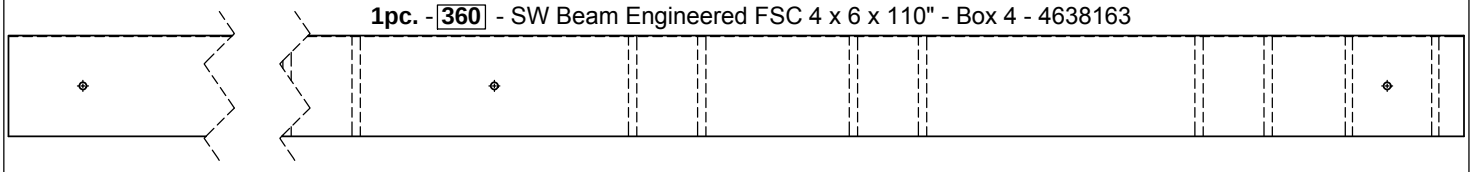
2pc. - **021** - Post Long FSC 4 x 4 x 105" - Box 4 - 4638335



2pc. - **372** - SW Post FSC 4 x 4 x 105" - Box 5 - 4638166

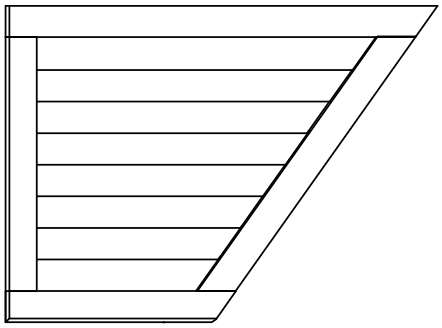


1pc. - **360** - SW Beam Engineered FSC 4 x 6 x 110" - Box 4 - 4638163

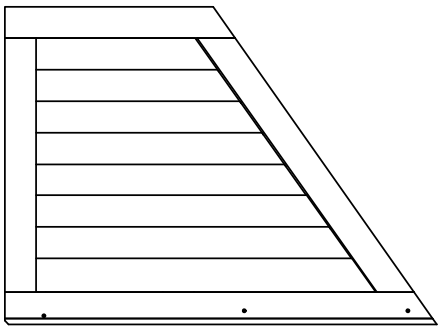


Part Identification (Reduced Part Size)

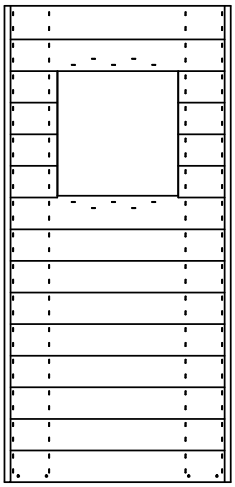
1pc. - **300** - **Right Roof Panel** FSC
1¼ x 33 x 45" - Box 2 -4638378



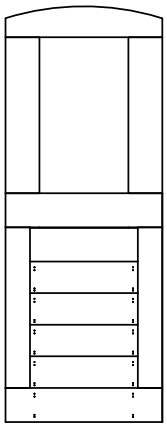
1pc. - **301** - **Left Roof Panel** FSC
1¼ x 32½ x 44⅝ " - Box 2 -4638392



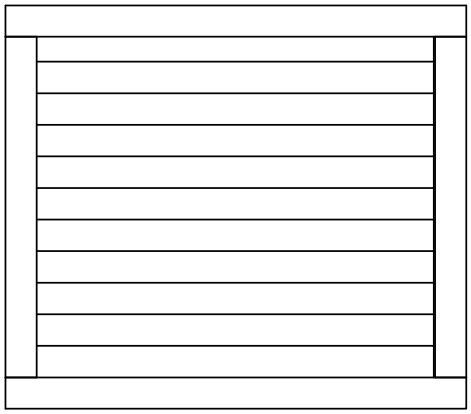
1pc. - **071** - **Door Wall Panel** FSC
1⅛ x 23 9/16 x 49¾" - Box 2 -4638345



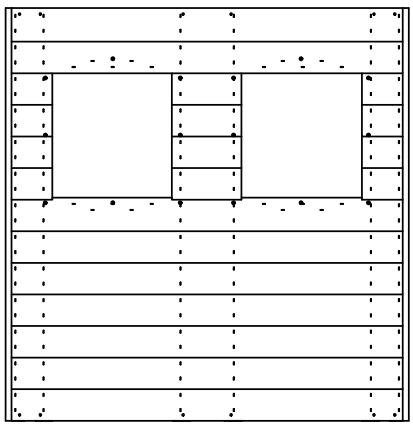
1pc. - **210** - **Door Panel Green** FSC
1 3/16 x 16⅜ x 43 5/16" - Box 2 -4608197



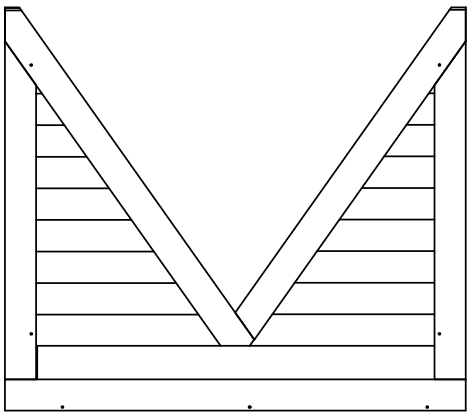
1pc. - **291** - **Large Square Panel** FSC
1¼ x 42 x 48" - Box 3 - 4638401



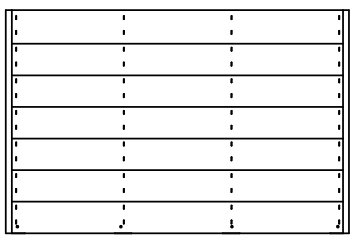
1pc. - **174** - **Full Panel** FSC
1⅛ x 42 x 43" - Box 3 -4638352



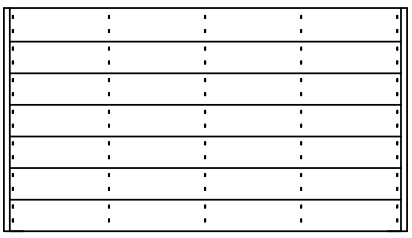
1pc. - **290** - **Large V Panel** FSC
1¼ x 42 x 48" - Box 3 -4638428



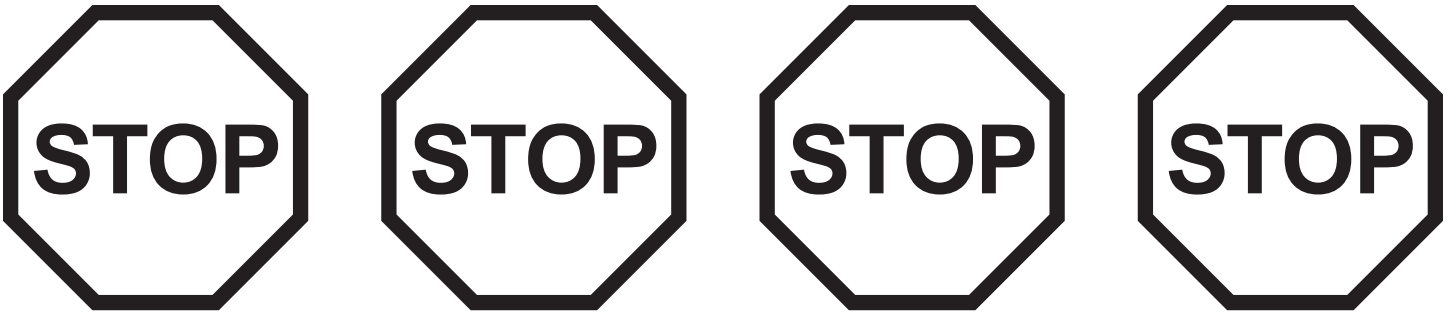
2pc. - **091** - **Half Wall Panel** FSC
1⅛ x 23¼ x 35¾" - Box 3 -4638355



1pc. - **080** - **Back Half Panel** FSC
1⅛ x 23¼ x 42" - Box 2 -4638358

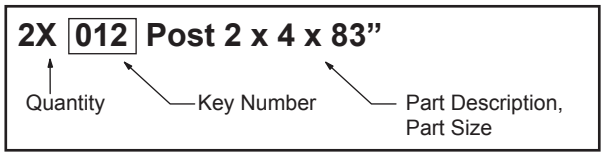


First Step: Inventory Parts - Read This Before Starting Assembly



A. This is the time for you to inventory all your hardware, wood and accessories, referencing the parts identification sheets. This will assist you with your assembly.

- The wood pieces will have the key number stamped on the ends of the boards. Organize the wood pieces by step, as per the key numbering system below.



Key Number: The first two digits represent the step number. The third digit represents the piece. Note that if the part is used in multiple steps then the number only reflects the first step it is used in.

- Please refer to Page 6 for proper hardware assembly.
- Each step indicates which bolts and/or screws you will need for assembly, as well as any flat washers, lock washers, t-nuts or lock nuts.

B. If there are any missing or damaged pieces or you need assistance with assembly please contact the consumer relations department directly. Call us before going back to the store.

1-877-817-5682
support@cedarsummitplay.com

C. Read the assembly manual completely, paying special attention to ANSI warnings; notes; and safety/maintenance information on pages 1 - 6.

D. Before you discard your cartons fill out the form below.

- The carton I.D. stamp is located on the end of each carton. The tracking number is located on the Cedar Summit ID Plaque (9320357).
- Please retain this information for future reference. You will need this information if you contact the Consumer Relations Department.

MODEL NUMBER: **F25610**

CARTON I.D. STAMP: __ __ __ __ __ 14459 ___ (Box 1)

CARTON I.D. STAMP: __ __ __ __ __ 14459 ___ (Box 2)

CARTON I.D. STAMP: __ __ __ __ __ 14459 ___ (Box 3)

CARTON I.D. STAMP: __ __ __ __ __ 14459 ___ (Box 4)

CARTON I.D. STAMP: __ __ __ __ __ 14459 ___ (Box 5)

CARTON I.D. STAMP: __ __ __ __ __ 14459 ___ (Box 6)

TRACKING NUMBER (from ID Plaque): _____

Step 1: Access Ladder / Rockwall Assembly Part 1

A: Place (010) Left Access Rail on left hand side of (012) Tread and (011) Right Access Rail on right hand side with the grooves facing in. (fig. 1.1)

B: Fit (012) Tread into grooves on both (010) and (011) Access Rails, make sure the top edge of the Treads are flush to the front of the Access rails. (fig. 1.1 and 1.2)

C: Pre-drill pilot holes with a 1/8" drill bit and attach Rails and Treads together using 4 (S3) #8 x 2-1/2" Wood Screws per tread. (fig. 1.1)

D: Attach Swing Brackets to the inside top of (010) & (011) Rails at angled edge using 1 (WB2) 5/16 x 1-3/8" Wafer Bolt (with flat washer and t-nut) per bracket. Edge of Swing Bracket is flush with edge of Rails. (fig. 1.1 and 1.3)

Fig. 1.1

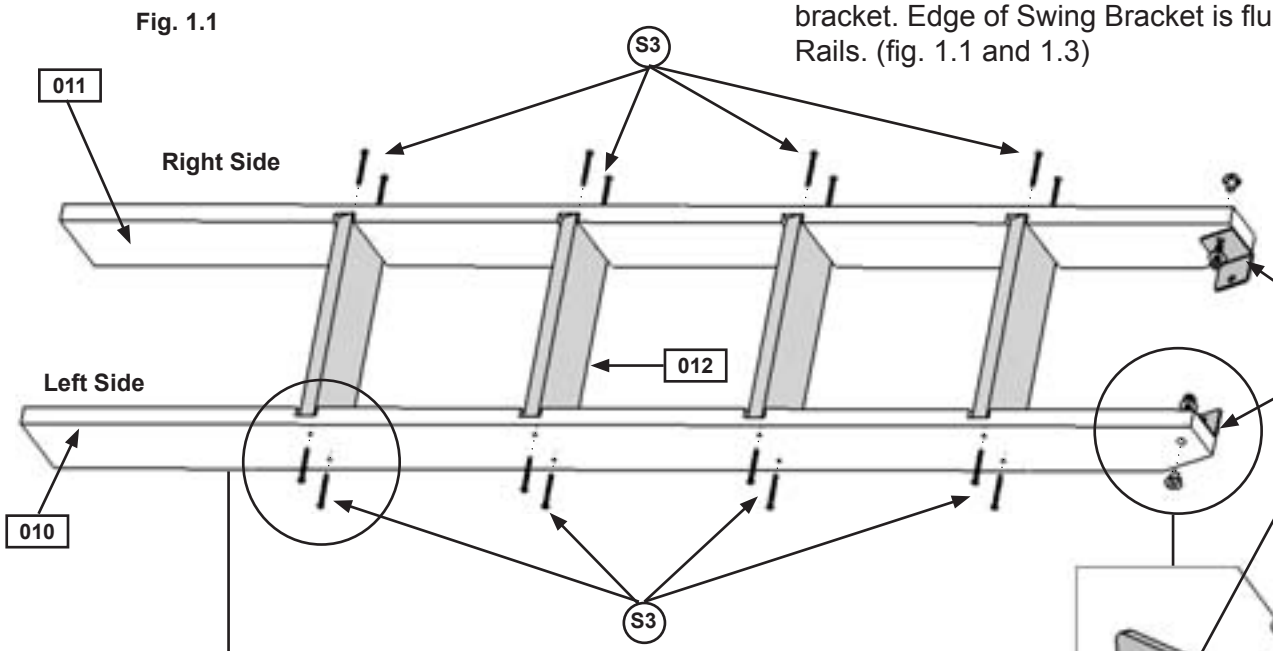


Fig. 1.2
End View

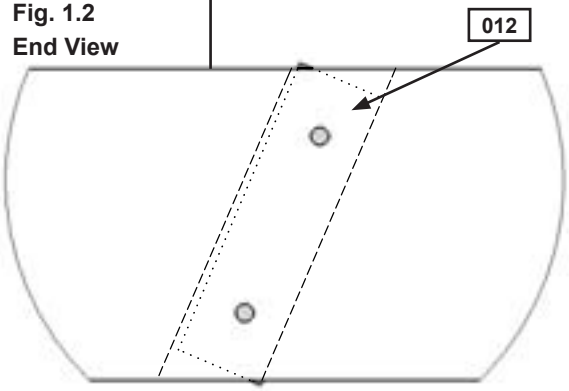
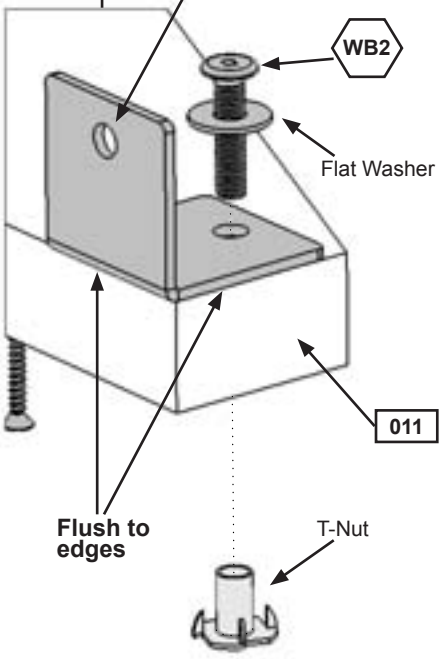


Fig. 1.3
Top of Ladder View



Wood Parts

- 1 x 010 Left Access Rail FSC 2 x 4 x 62 7/8"
- 1 x 011 Right Access Rail FSC 2 x 4 x 62 7/8"
- 4 x 012 Tread FSC 5/4 x 4 x 15 1/8"

Hardware

- 16 x S3 #8 x 2-1/2" Wood Screw
- 2 x WB2 5/16 x 1-3/8" Wafer Bolt (5/16" flat washer, 5/16" t-nut)

Other Parts

- 2 x Swing Bracket

support@cedarsummitplay.com

Step 1: Access Ladder / Rockwall Assembly Part 2

E: Place (013) Ladder Gap on each Access Rail so there is a 1” gap between (013) and the top Tread. Attach using 4 (S3) #8 x 2-1/2” Wood Screws. (fig. 1.4 and 1.5)

F: Place (014) Rock Rail on the ground next to (011) Access Rail so it matches the orientation of the two Access Rails as shown in fig. 1.6. Attach (015) Ladder Top to top of Access Ladder assembly and (014) Rock Rail using 3 (S3) #8 x 2-1/2” Wood Screws. Notice that the holes in the board are towards the top. (fig. 1.6)

G: Attach 1 Swing Bracket to the top angled edge of (014) Rock Rail, making sure the bracket faces out. Use 1 (WB2) 5/16 x 1-3/8” Wafer Bolt (with flat washer and t-nut). (fig. 1.6)

Fig. 1.4

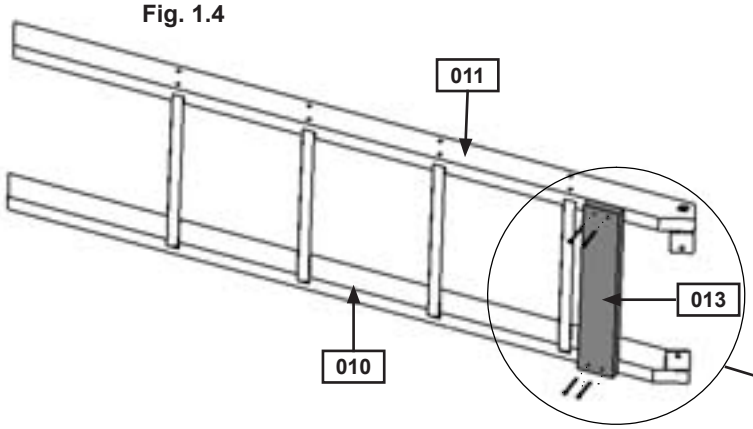


Fig. 1.5

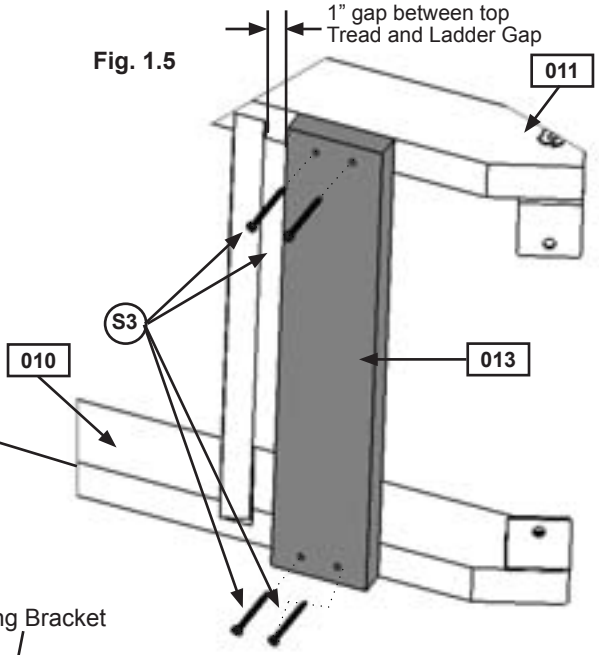
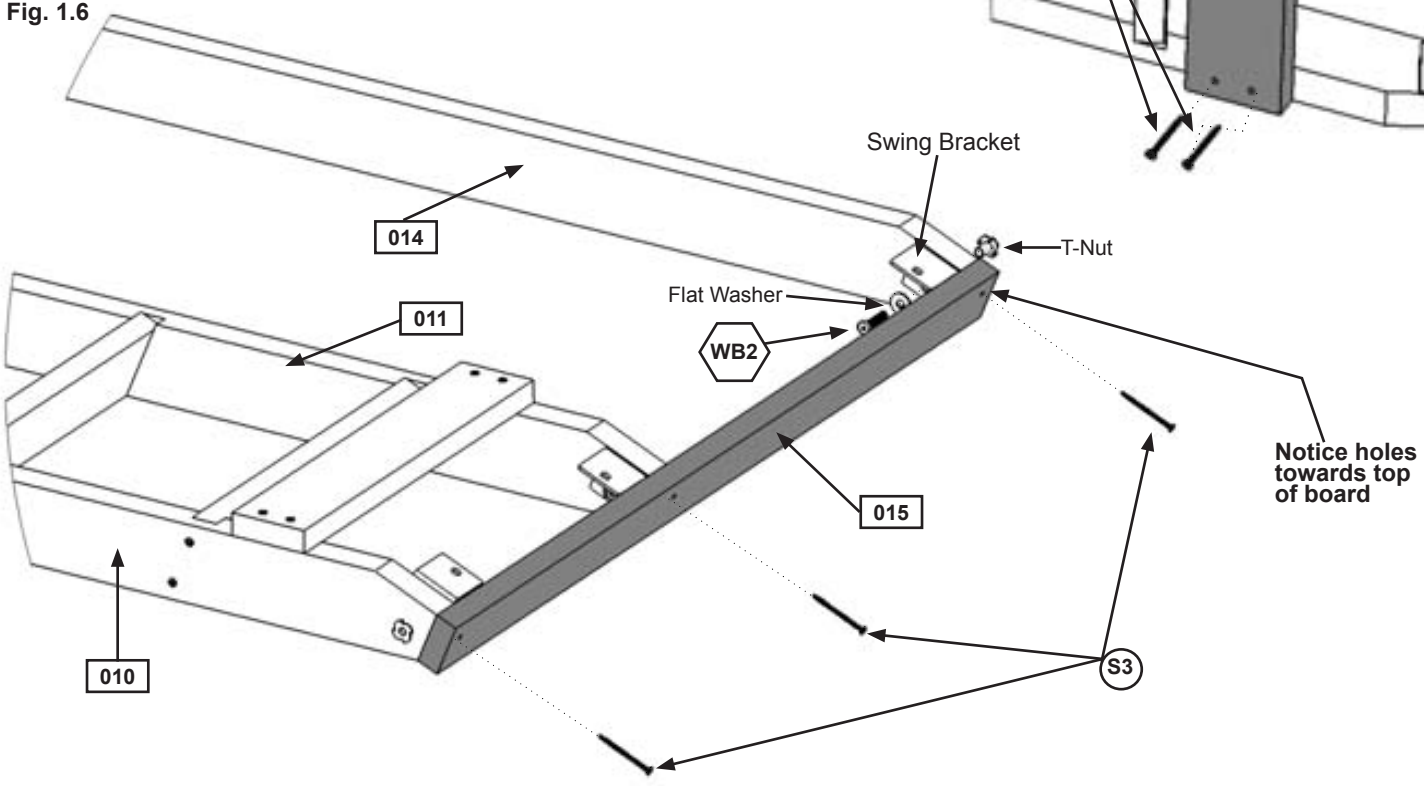


Fig. 1.6



Wood Parts

- 1 x 013 Ladder Gap FSC 5/4 x 4 x 16 3/8”
- 1 x 014 Rock Rail FSC 2 x 4 x 62 7/8”
- 1 x 015 Ladder Top FSC 5/4 x 3 x 38 3/4”

Hardware

- 7 x S3 #8 x 2-1/2” Wood Screw
- 1 x WB2 5/16 x 1-3/8” Wafer Bolt (5/16” flat washer, 5/16” t-nut)

Other Parts

- 1 x Swing Bracket

support@cedarsummitplay.com

Step 1: Access Ladder / Rockwall Assembly Part 3

H: Place (016) Access Board at top of the assembly and (017) Rock Bottom at the bottom of the assembly as shown in fig. 1.7. Then place (018) Rock Board A and (019) Rock Board B as shown in fig. 1.7. Do not screw boards down yet. Rock holes are to be staggered so they do not form a straight line and are at the top of the boards. ***Note: Rock Boards are to be flush to (011) Right Access Rail and (014) Rock Rail. (fig. 1.7 and 1.8)***

I: Make sure all boards fit together snugly and the assembly is square, then attach (016) Access Board and (017) Rock Bottom using 4 (S20) #8 x 1-3/8" Wood Screws per board. (fig. 1.7 and 1.8)

J: Fasten all the other boards with 4 (S20) #8 x 1-3/8" Wood Screws per board. (fig. 1.7)

K: Measure 6" from the top of (010) Left Access Rail and place Steel Hand Rail on the board. Pre-drill holes using a 1/8" drill bit then attach Long Hand Rail to Access Rail using 2 (WL3) 1/4 x 1-3/8" Wafer Lags (with flat washer). (fig. 1.7 and 1.9)

Fig. 1.7

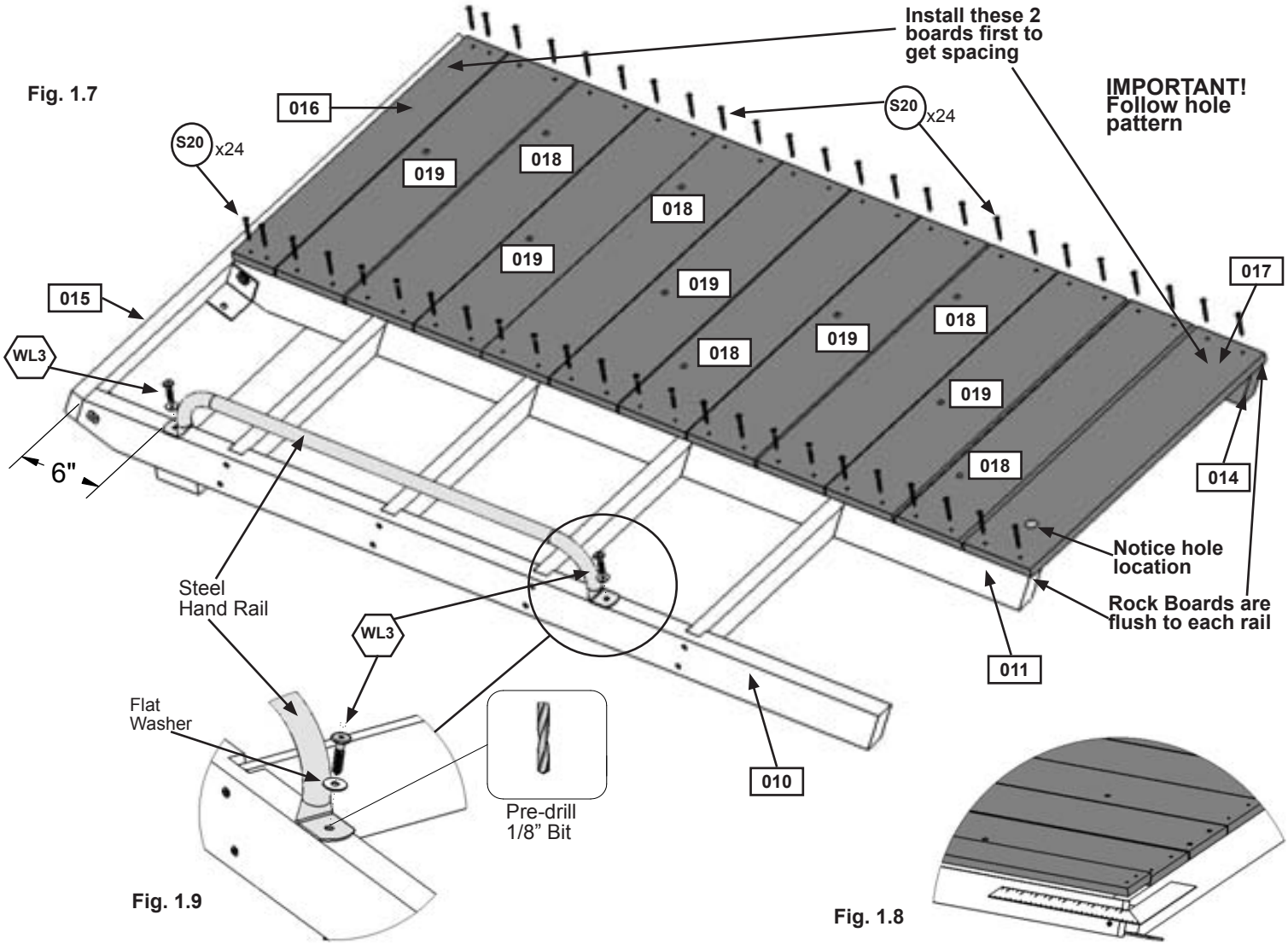


Fig. 1.9

Fig. 1.8

Wood Parts		Hardware		Other Parts
1 x 016	Access Board FSC 1 x 4 x 23-1/2"	48 x S20	#8 x 1-3/8" Wood Screw	1 x Steel Hand Rail
1 x 017	Rock Bottom FSC 1 x 6 x 23-1/2"	2 x WL3	1/4 x 1-3/8" Wafer Lag (1/4" flat washer)	
5 x 018	Rock Board A FSC 1 x 6 x 23-1/2"			
5 x 019	Rock Board B FSC 1 x 6 x 23-1/2"			

Step 1: Access Ladder / Rockwall Assembly
Part 4

L: Alternating colours and shapes, attach 1 rock to each rock board using 1 (PB2) 1/4 x 1-1/4” Pan bolt (with lock washer, flat washer and barrel nut) and 1 (S10) #8 x 1” Pan Screw per rock. (fig. 1.10 and 1.11)

The Pan Screw is placed in the hole beneath the Pan Bolt. (fig. 1.10 and 1.11)

Note: Make sure all hardware is used to secure each rock properly.

Fig. 1.10

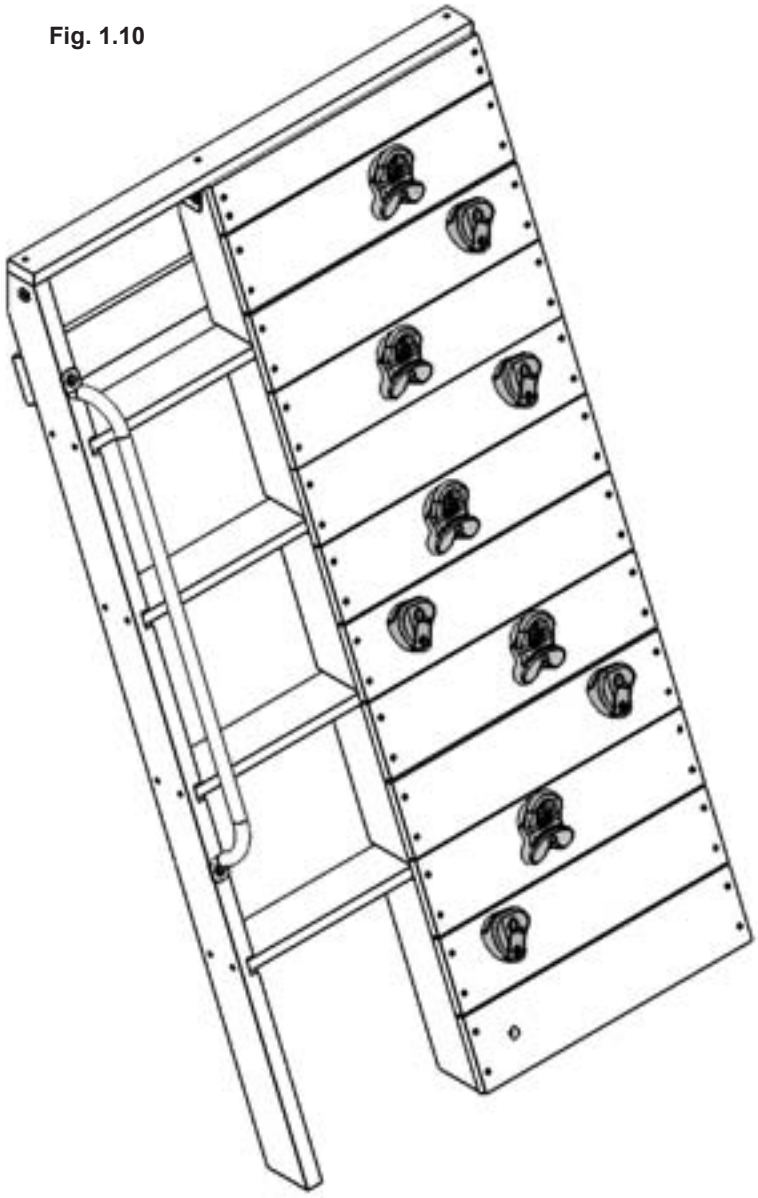
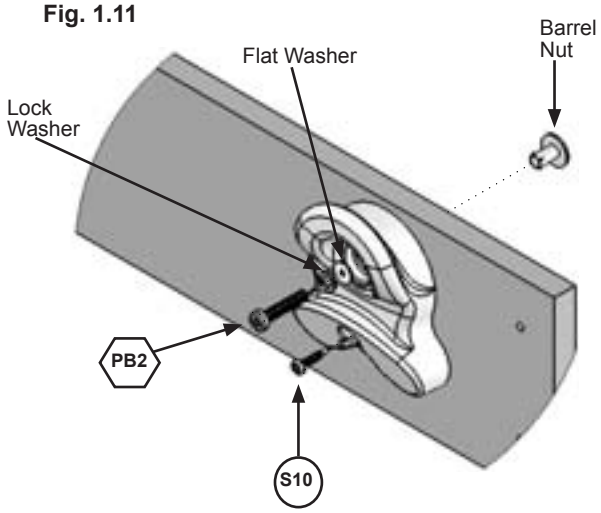


Fig. 1.11



Hardware

10x (PB2) 1/4 x 1-1/4 Pan Bolt (1/4” lock washer, 3/16” flat washer & 1/4” barrel nut)

10x (S10) #8 x 1” Pan Screw

Other Parts

10 x Rocks (green/yellow/burgundy)

support@cedarsummitplay.com

Step 2: Long Post Assembly

Pre-drill all holes using a 1/8" drill bit before installing the lag screws.

A: Attach 1 Large Corner Gusset to each of the (021) Post Long on the side indicated in fig. 2.1 using 1 (WB7) 5/16 x 3" Wafer Bolt (with flat washer and t-nut) in the top hole and 1 (WL3) 1/4 x 1-3/8" Wafer Lag (with flat washer) in the bottom hole. Make sure Large Corner Gusset is tight and square to the Posts. (fig. 2.2)

Note: The top angles of the Posts face away from the Large Corner Gusset side that has not been attached. (fig. 2.1)

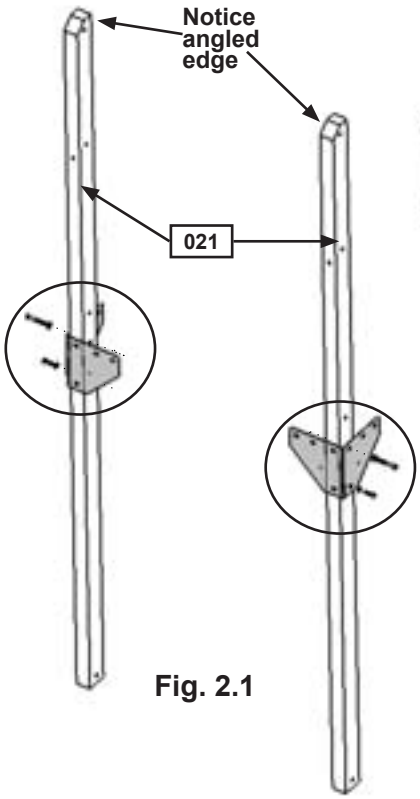


Fig. 2.1

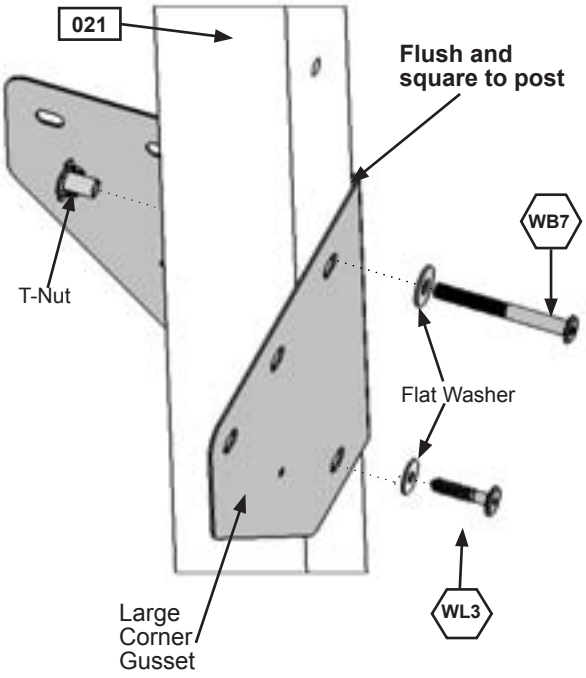


Fig. 2.2

B: On other side of each Large Corner Gusset attach to the (021) Post Long with 2 (WL3) 1/4 x 1-3/8" Wafer Lag (with flat washer) per Gusset. (fig. 2.4)

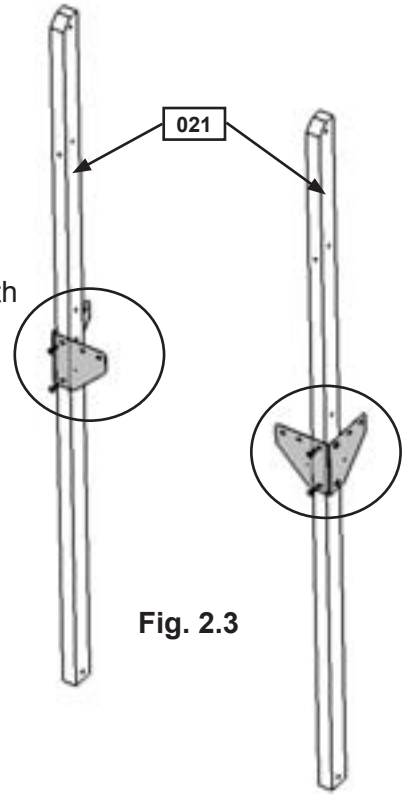


Fig. 2.3

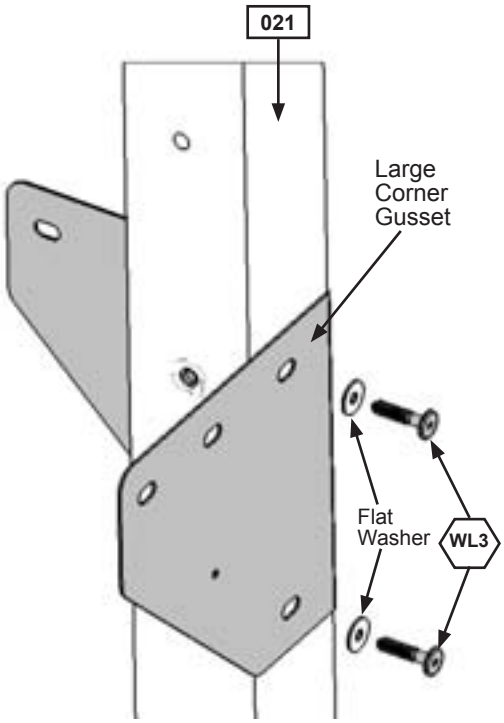


Fig. 2.4

Wood Parts

2 x 021 Post Long FSC 4 x 4 x 105"

Hardware

2 x WB7 5/16 x 3" Wafer Bolt (5/16" flat washer, 5/16" t-nut)

6 x WL3 1/4 x 1-3/8 Wafer Lag (1/4" flat washer)

Other Parts

2 x Large Corner Gusset

support@cedarsummitplay.com

Step 3: Short Post Assembly

Pre-drill all holes using a 1/8" drill bit before installing the lag screws.

A: Attach 1 Large Corner Gusset to each of the (031) Post Short on the short side using 1 (WB7) 5/16 x 3" Wafer Bolt (with flat washer and t-nut) in the top hole and 1 (WL3) 1/4 x 1-3/8" Wafer Lag (with flat washer) in the bottom hole. Make sure Large Corner Gusset is tight and square to the Posts. (fig. 3.2)

Note: The top angles of the Posts are on the opposite side of the Large Corner Gusset side that has been attached. (fig. 3.1)

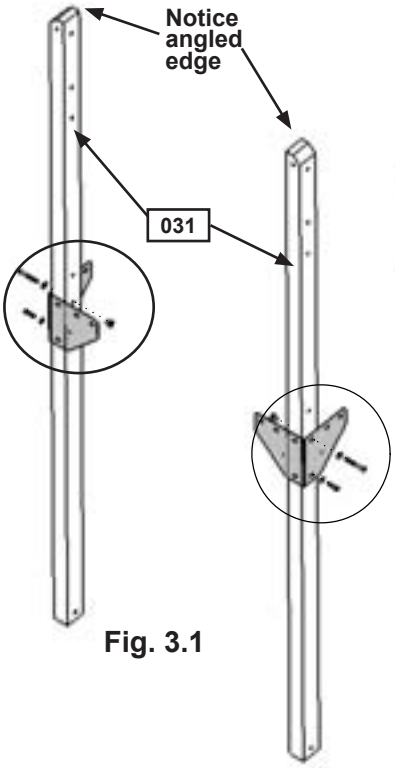


Fig. 3.1

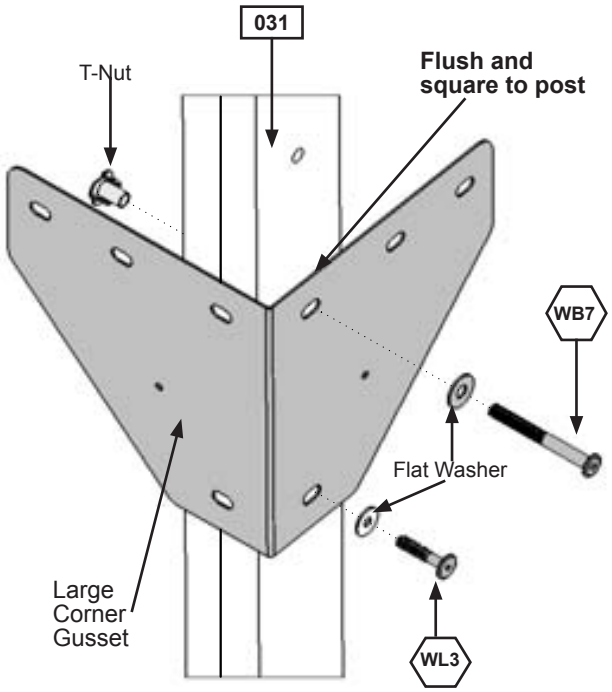


Fig. 3.2

B: On other side of the Large Corner Gusset attach to the (031) Post Short with 2 (WL3) 1/4 x 1-3/8" Wafer Lag (with flat washer) per Gusset. (fig. 3.4)

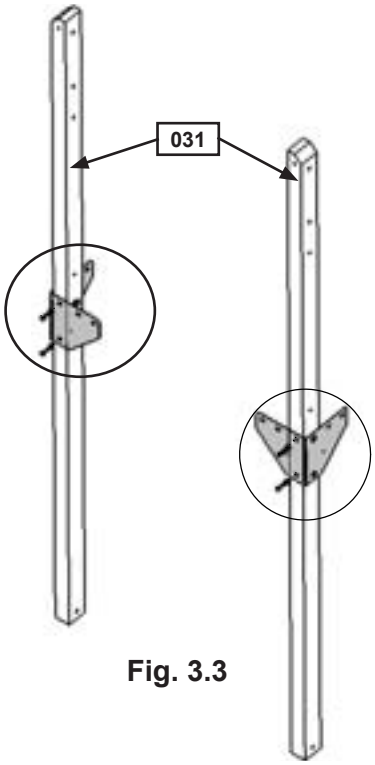


Fig. 3.3

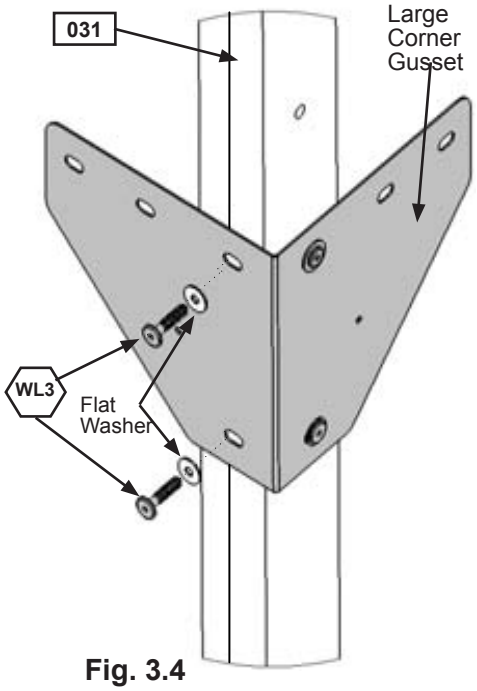


Fig. 3.4

Wood Parts

2 x 031 Post Short FSC 4 x 4 x 102-1/2"

Hardware

2 x WB7 5/16 x 3" Wafer Bolt (5/16" flat washer, 5/16" t-nut)

6 x WL3 1/4 x 1-3/8 Wafer Lag (1/4" flat washer)

Other Parts

2 x Large Corner Gusset

support@cedarsummitplay.com

Step 4: Attach Floor End

A: Attach 1 (041) Floor End between the 2 (021) Post Long with 2 (WB2) 5/16 x 1-3/8" Wafer Bolt (with flat washer and t-nut) per Large Corner Gusset. (fig. 4.1 and fig. 4.3)

B: Repeat Step A for the Post Short Assembly. (fig. 4.2 and fig. 4.3)

Note: Make sure pilot holes in (041) Floor End are at the top of each board.

Note: Do not tighten Wafer Bolts until a later step.

Fig. 4.2

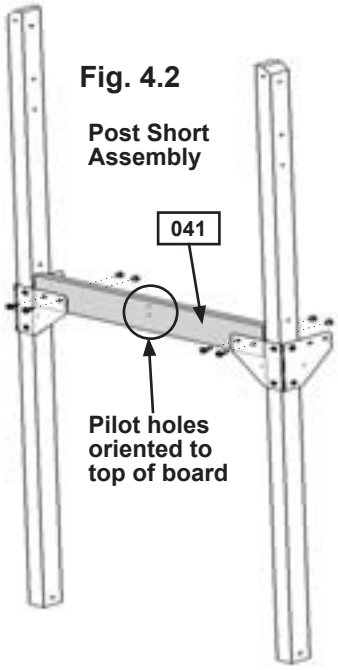


Fig. 4.1

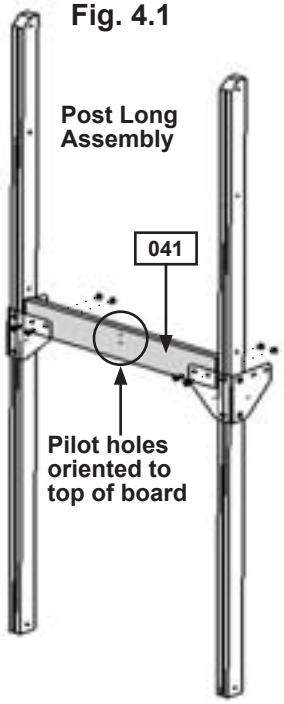
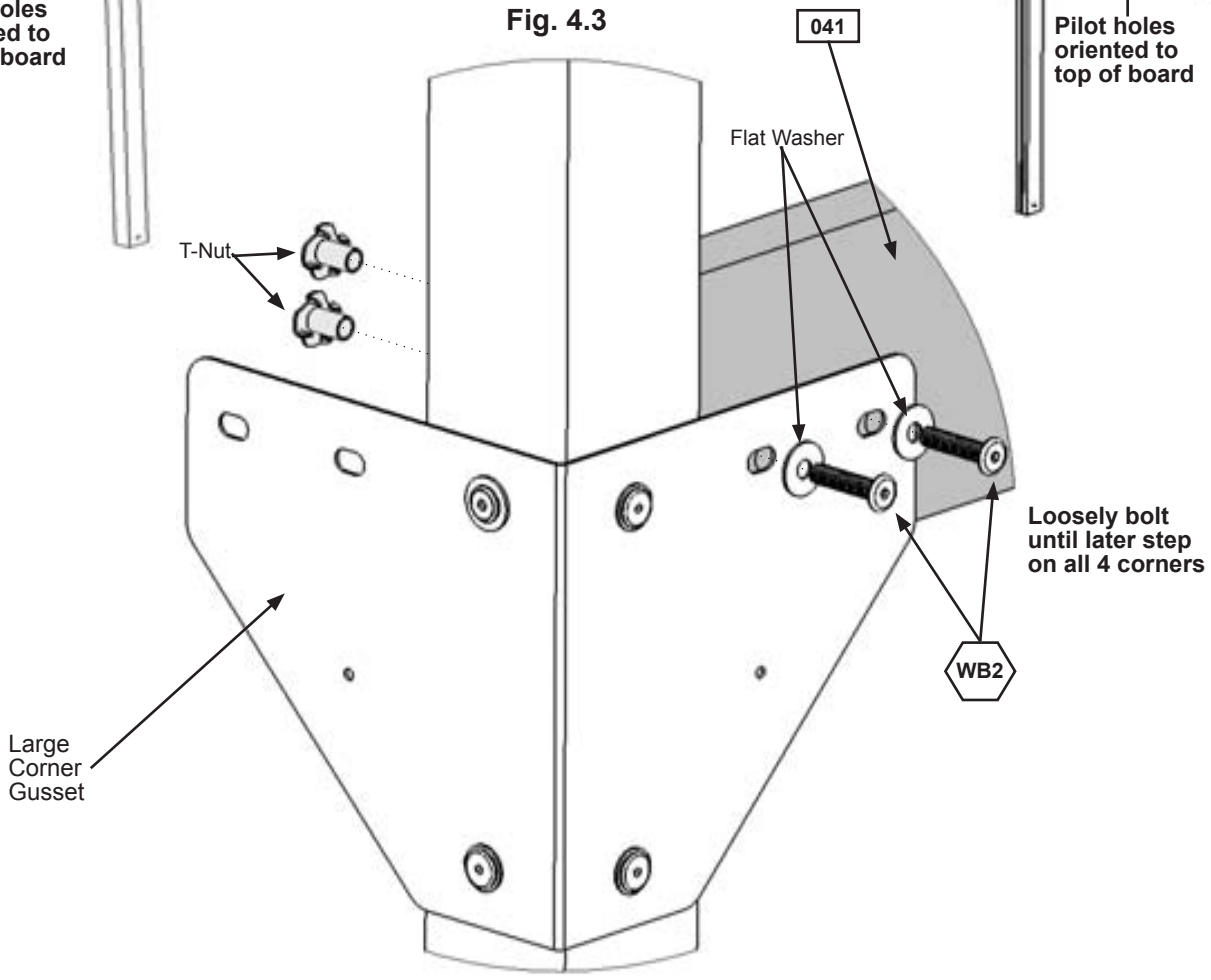


Fig. 4.3



Wood Parts

2 x 041 Floor End FSC 2 x 6 x 35-3/4"

Hardware

8 x WB2 5/16 x 1-3/8" Wafer Bolt (5/16" flat washer, 5/16" t-nut)

Step 5: Attach Floor Front Back

A: Attach 1 (051) Floor Front Back between 1 (021) Post Long and 1 (031) Post Short with 2 (WB2) 5/16 x 1-3/8" Wafer Bolt (with flat washer and t-nut) per Large Corner Gusset. (fig. 5.1 and 5.2)

B: Repeat Step A for the other side.

Note: Make sure centre holes in both (051) Floor Front Back are at the top of the boards.

Note: Do not tighten Wafer Bolts until a later step.

Fig. 5.1

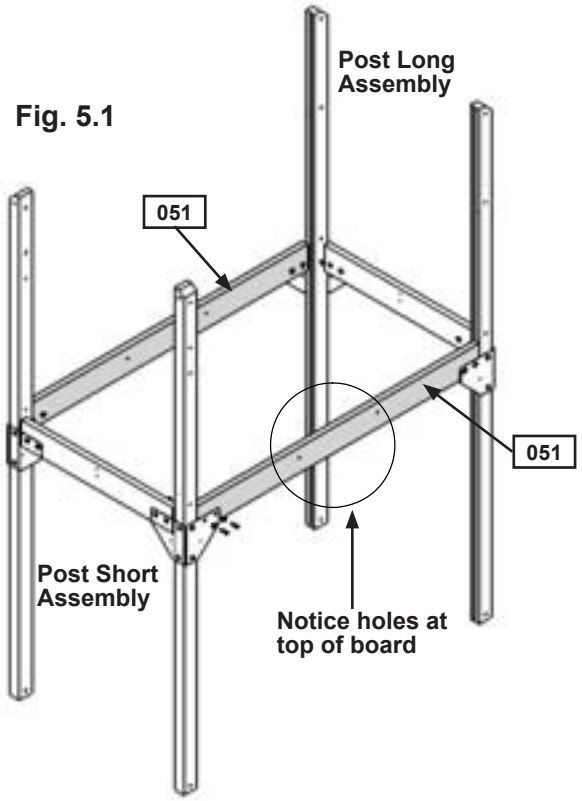
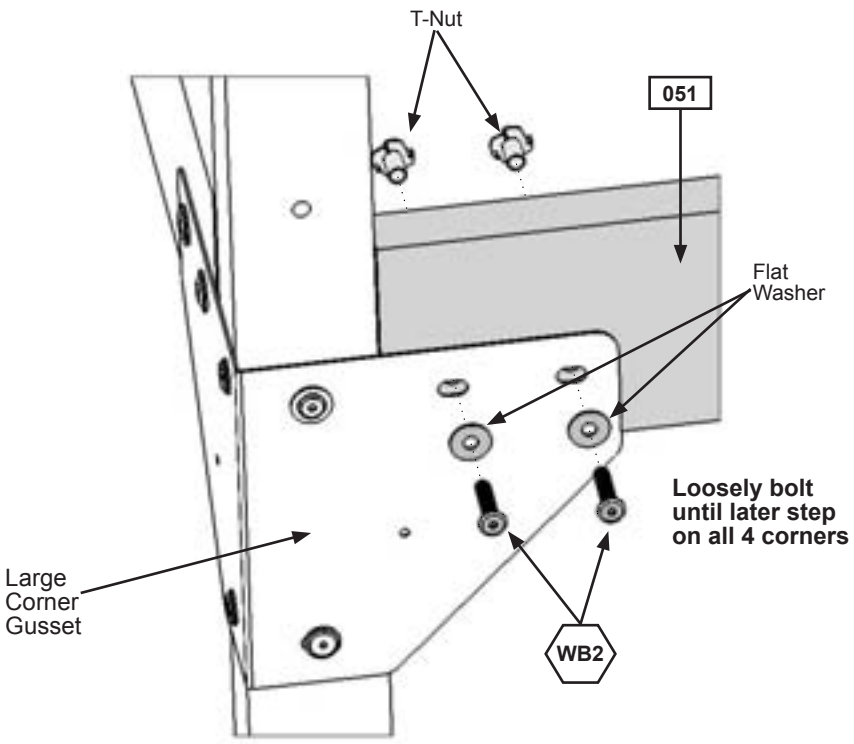


Fig. 5.2



Wood Parts

2 x 051 Floor Front Back FSC 2 x 6 x 66-5/8"

Hardware

8 x WB2 5/16 x 1-3/8" Wafer Bolt (5/16" flat washer, 5/16" t-nut)

Step 6: Attach Ground Boards & Lower Posts

Note: Do not tighten Bolts until a later step.

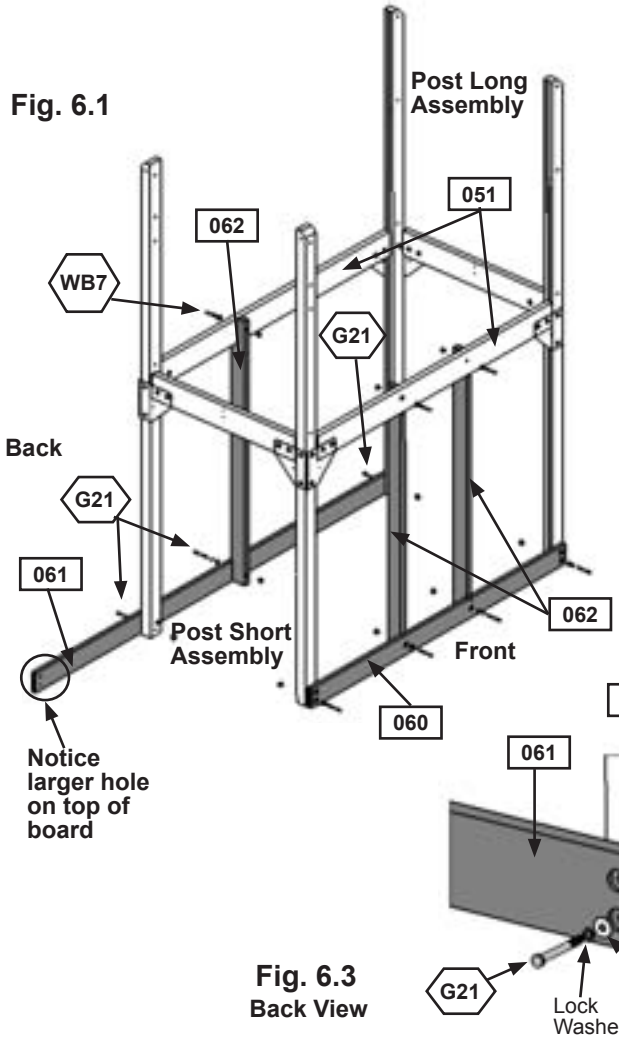
A: Attach (060) Ground Front between 1 (021) Post Long and 1 (031) Post Short with 2 (G21) 5/16 x 3-3/4" Hex Bolt (with flat washer, lock washer and t-nut). The (G21) goes in the bottom holes. (fig. 6.1 and 6.2)

B: Attach (061) Ground Back between the remaining (021) and (031) using 2 (G21) 5/16 x 3-3/4" Hex Bolt (with flat washer, lock washer and t-nut). The (G21) goes in the bottom holes. Make sure the extended end is on the Post Short Assembly side. (fig. 6.1)

C: At the front of the assembly attach 2 (062) Post Lower to (051) Floor Front Back using 1 (WB7) 5/16 x 3" Wafer Bolt (with flat washer and t-nut) per board and to (060) Ground Front using 1 (G21) 5/16 x 3-3/4" Hex Bolt (with flat washer, lock washer and t-nut) per board. (fig. 6.1 and 6.2)

D: At the back of the assembly attach 1 (062) Post Lower to (051) Floor Front Back using 1 (WB7) 5/16 x 3" Wafer Bolt (with flat washer and t-nut) and to (061) Ground Back using 1 (G21) 5/16 x 3-3/4" Hex Bolt (with flat washer, lock washer and t-nut). (fig. 6.1 and 6.3)

Fig. 6.1



Keep all bolts loose until a later step.

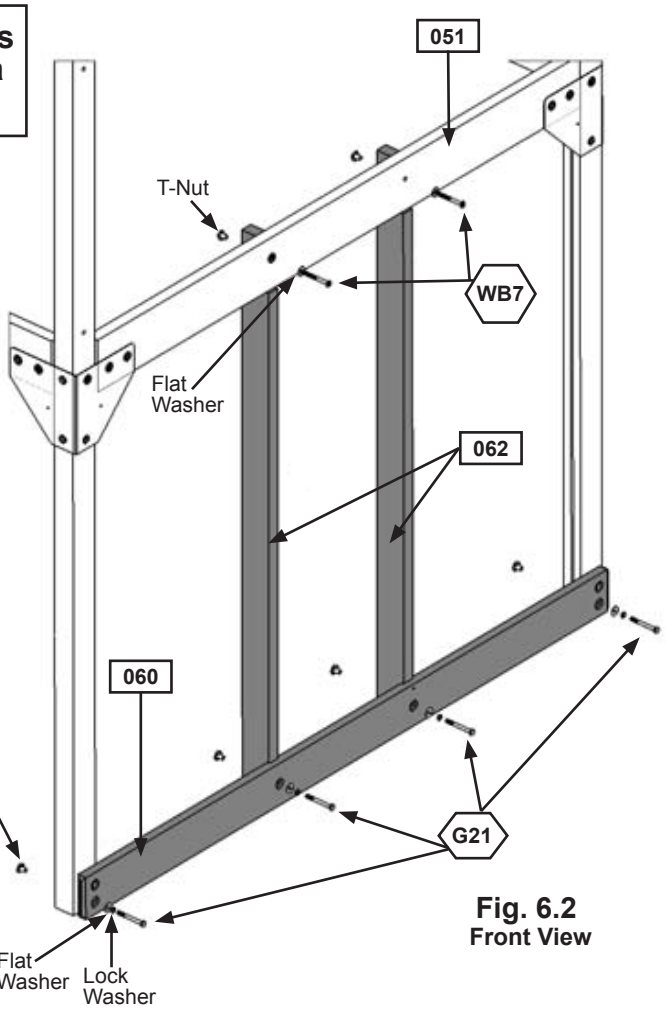


Fig. 6.2
Front View

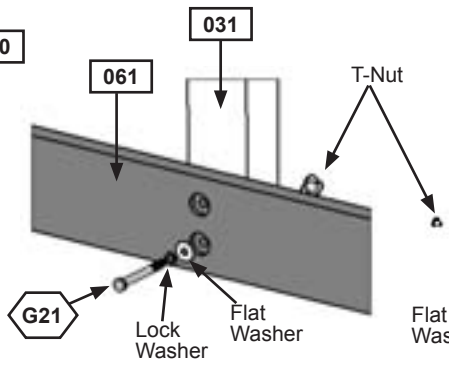


Fig. 6.3
Back View

Wood Parts

- 1 x 060 Ground Front FSC 5/4 x 5 x 72-5/8"
- 1 x 061 Ground Back FSC 5/4 x 5 x 102-1/2"
- 3 x 062 Post Lower FSC 2 x 4 x 57"

Hardware

- 7 x G21 5/16 x 3-3/4" Hex Bolt (5/16" lock washer, 5/16" flat washer & 5/16" t-nut)
- 3 x WB7 5/16 x 3" Wafer Bolt (5/16" flat washer, 5/16" t-nut)

support@cedarsummitplay.com

Step 7: Door Wall Assembly Part 1

A: Place (071) Door Wall Panel in between (021) Post Long and (062) Post Lower making sure the top is tight to the bottom of (051) Floor Front Back and the wall is flush to the outside face of the posts. From the inside of the assembly attach (071) Door Wall Panel to (060) Ground Front, with 4 (S15) #8 x 1-3/4" Wood Screws using pilot holes in bottom of (071) Door Wall Panel as guides. (fig. 7.1 and 7.2).

B: Tighten the Large Corner Gusset bolts from Step 5 on the front side of the assembly and the bolts in (060) Ground Front from Step 6. (fig. 7.3)

C: Make sure assembly is square then in the remaining holes on (060) Ground Front pre-drill using a 1/8" drill bit and attach 2 (LS6) 5/16 x 3" Lag Screws (with flat washer). (fig. 7.3)

Fig. 7.1

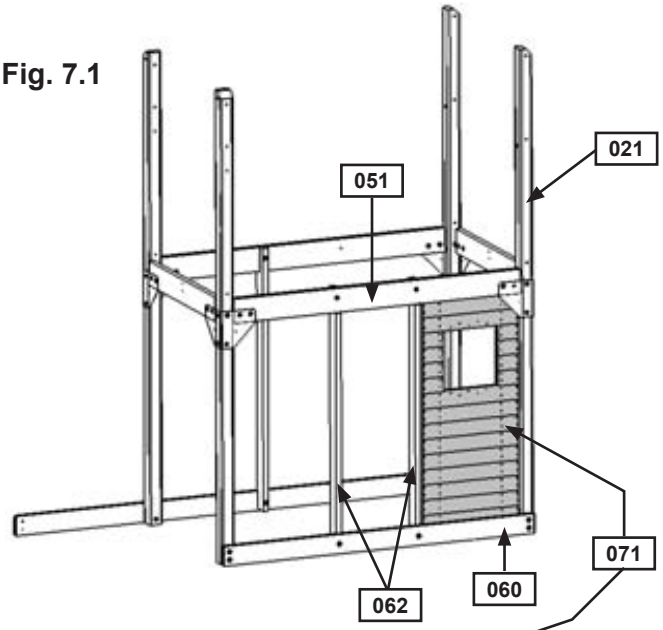


Fig. 7.2
Inside Fort View

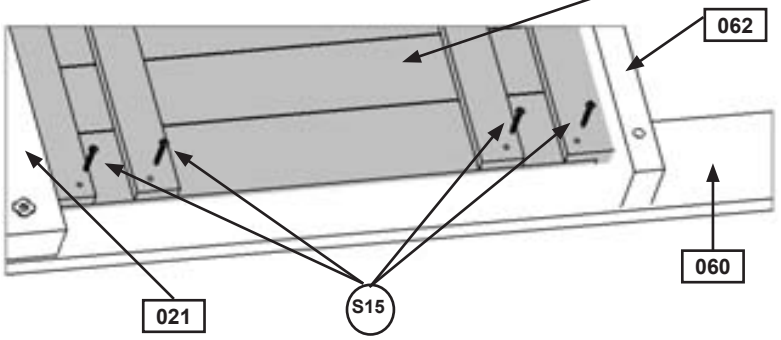


Fig. 7.3

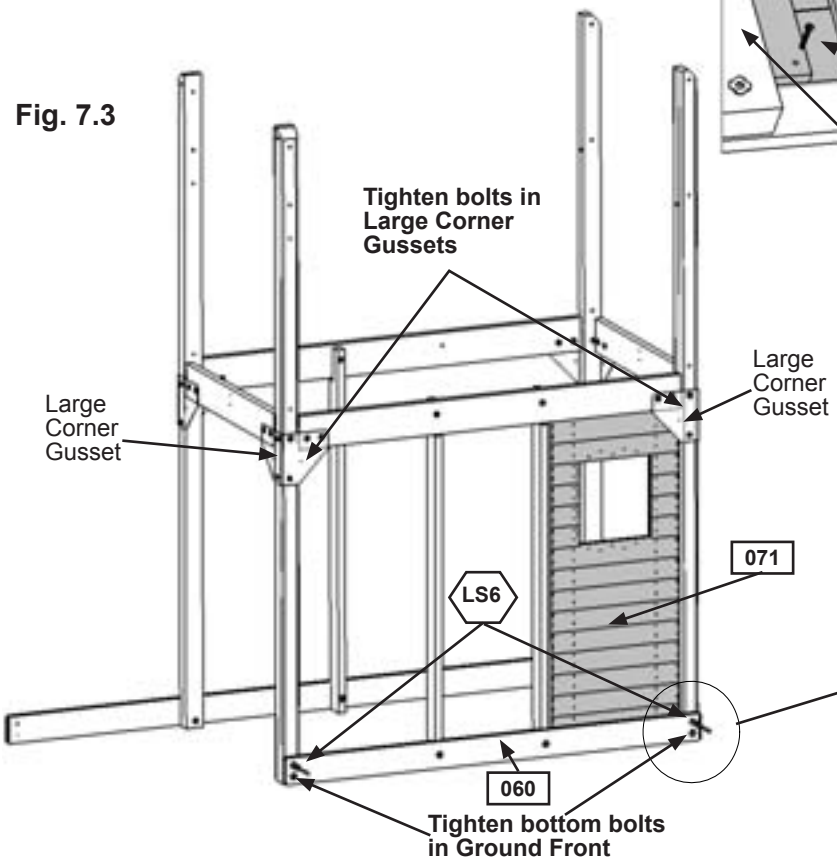
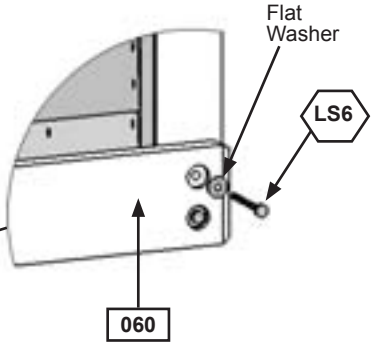


Fig. 7.4



Wood Parts

1 x [071] **Door Wall Panel FSC 1-1/8 x 23-9/16 x 49-3/4"**

Hardware

4 x (S15) **#8 x 1-3/4" Wood Screw**

2 x (LS6) **5/16 x 3" Lag Screw (5/16" flat washer)**

support@cedarsummitplay.com

Step 7: Door Wall Assembly Part 2

D: On the front of the assembly make sure the space between both (062) Post Lower measures 17-1/8” and then tighten all four bolts as shown in fig. 7.5.

E: Install (070) Door Top in opening between both (062) Post Lowers and flush to the front of (051) Floor Front Back using 2 (S4) #8 x 3” Wood Screws. (fig. 7.6)

F: Place 1 Six-Pane Arch Window in the (071) Door Wall Panel opening, pre-drill with a 1/8” drill bit using the window as a guide, then attach with 8 (S16) #6 x 1” Pan Screws as shown in fig. 7.5 and 7.7.

Fig. 7.5
Front of Fort View

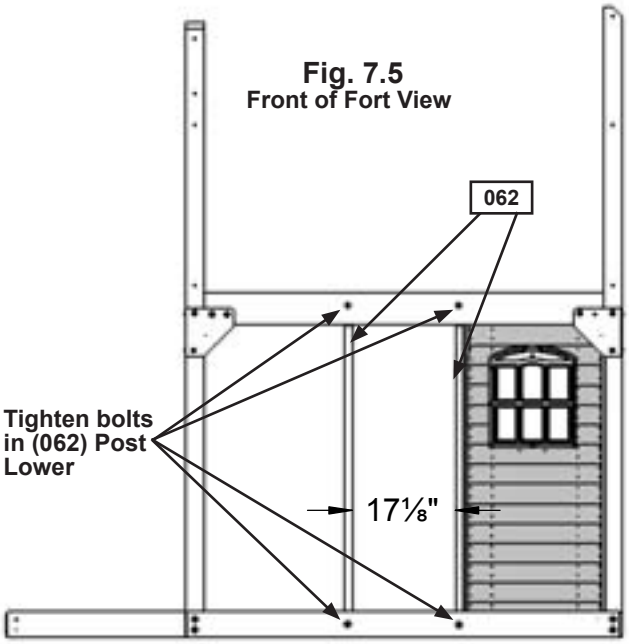


Fig. 7.6
Outside Fort View

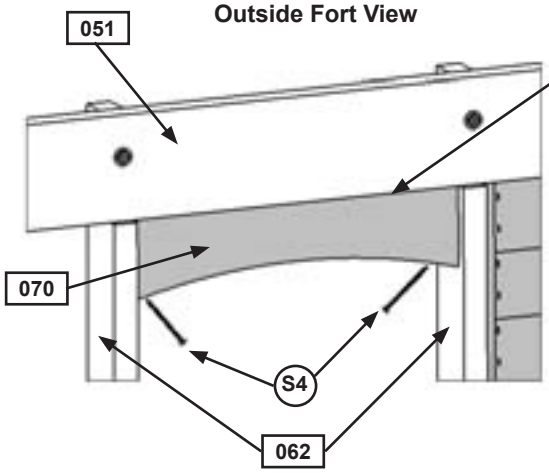
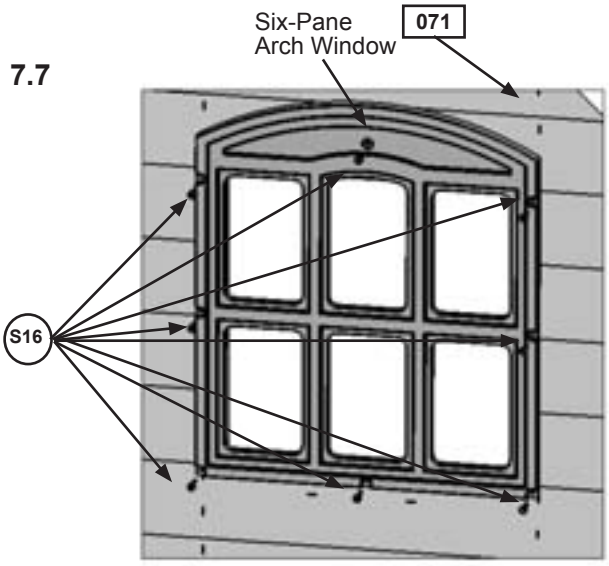


Fig. 7.7



Wood Parts

1 x 070 Door Top FSC 2 x 5 x 17-1/16”

Hardware

2 x S4 #8 x 3” Wood Screw

8 x S16 #6 x1” Pan Screw

Other Parts

1 x Six-Pane Arch Window

support@cedarsummitplay.com

Step 7: Door Wall Assembly Part 3

G: From the inside of the fort, in the areas indicated below and flush to the inside of (051) Floor Front Back, attach (071) Door Wall Panel to (021) Post Long and (062) Post Lower with 4 Corner Brackets using 3 (S13) #6 x 5/8" Pan Screws per bracket. (fig. 7.8 and 7.9)

H: Attach (071) Door Wall Panel to (051) Floor Front Back with 2 Offset Brackets using 4 (S13) #6 x 5/8" Pan Screws per bracket. (fig. 7.8 and 7.9)

I: Secure (070) Door Top to (051) Floor Front Back with 1 Flat Bracket using 3 (S13) #6 x 5/8" Pan Screws as shown in fig. 7.8.

Fig. 7.8
Inside Fort View

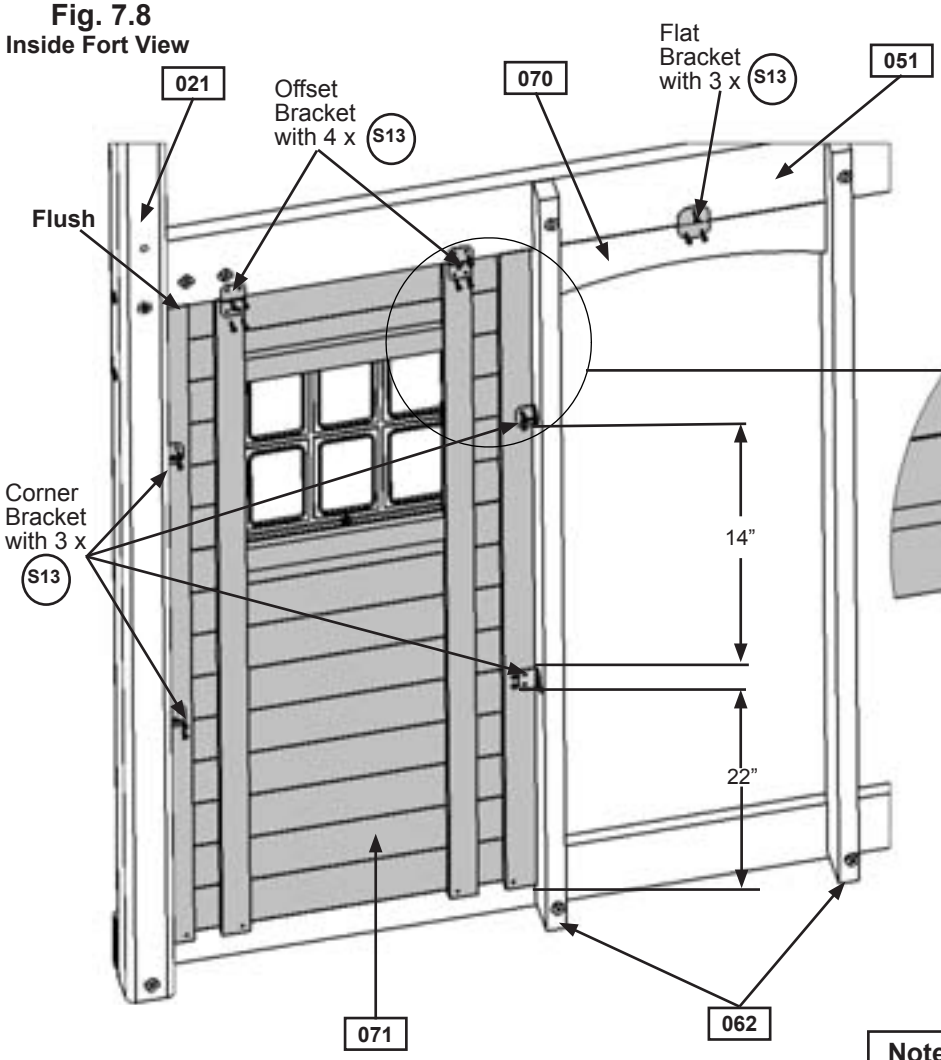
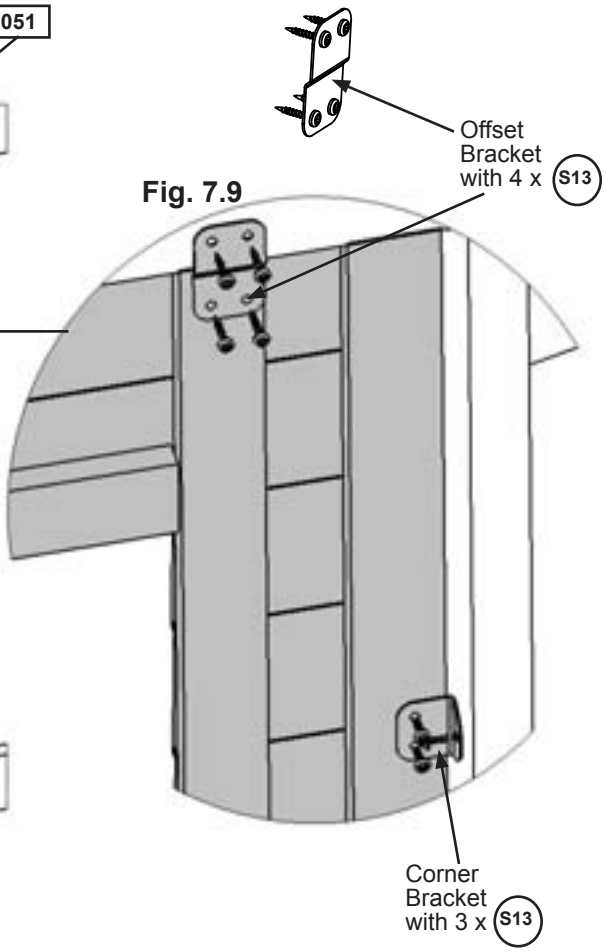


Fig. 7.9



Note: It is important that Corner Brackets are in locations indicated in fig. 7.8

Hardware

23 x (S13) #6 x 5/8" Pan Screw

Other Parts

1 x Flat Bracket
4 x Corner Brackets
2 x Offset Brackets

support@cedarsummitplay.com

Step 8: Back Wall Panel Assembly Part 1

A: Place (080) Back Half Panel between (021) Post Long and (062) Post Lower on opposite side from Door Wall Assembly, making sure panel is flush to outside face of posts. (fig. 8.1 and 8.2). The distance between the top of the panel and the bottom of the post should be 25".

B: Attach (080) Back Half Panel to (061) Ground Back using 5 (S15) #8 x 1-3/4" Wood Screws as shown in fig. 8.2.

Pre-drill holes for (S3) Wood Screws using a 1/8" drill bit before installing Top Cafe.

C: Attach (081) Top Cafe flush to the top outside edge of (080) Back Half Panel using 5 (S3) #8 x 2-1/2" Wood Screws as shown in fig. 8.2.

Fig. 8.1

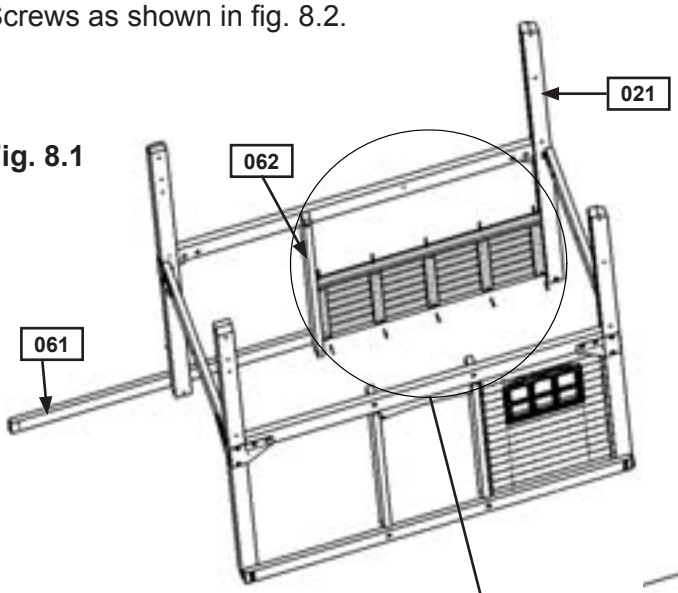
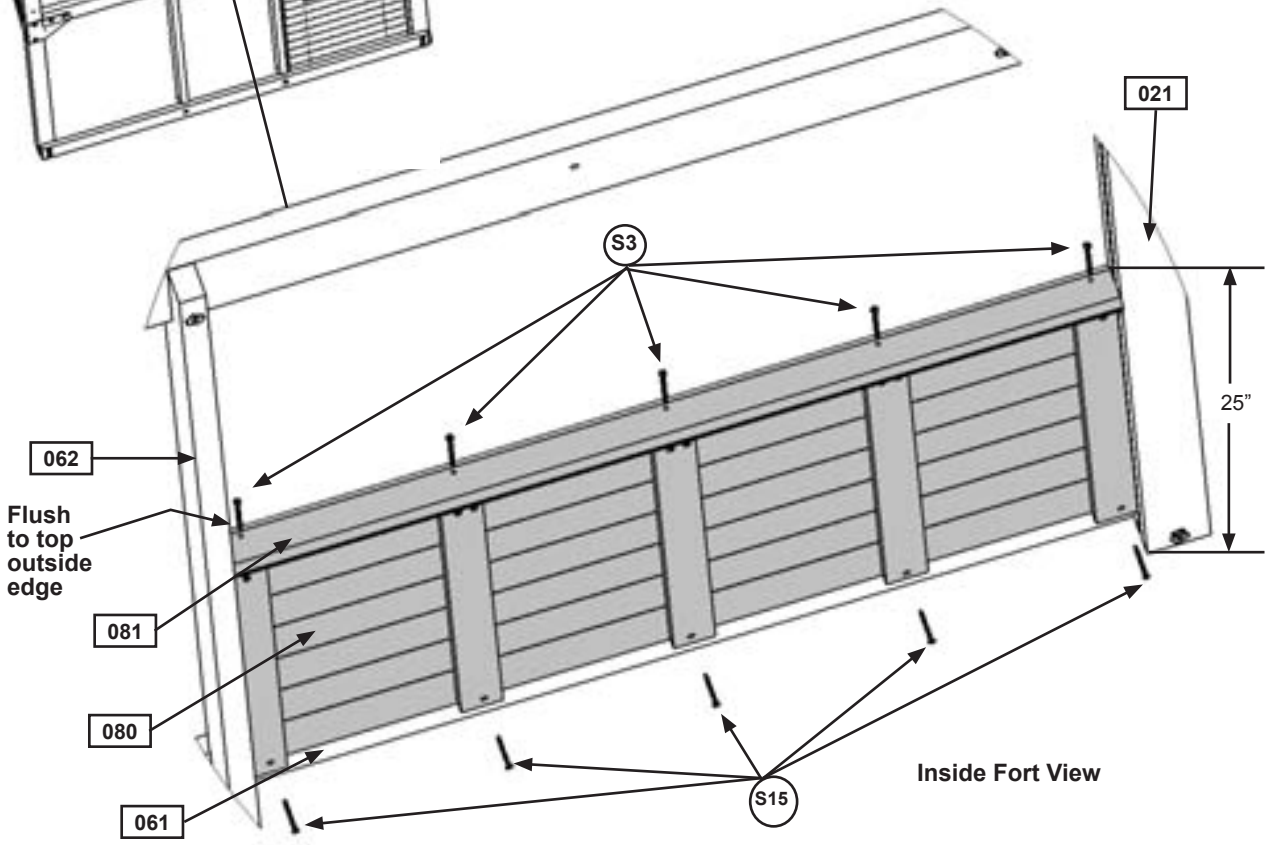


Fig. 8.2



Wood Parts

1 x 080 **Back Half Panel FSC 1-1/8 x 23-1/4 x 42"**
1 x 081 **Top Cafe FSC 5/4 x 4 x 42"**

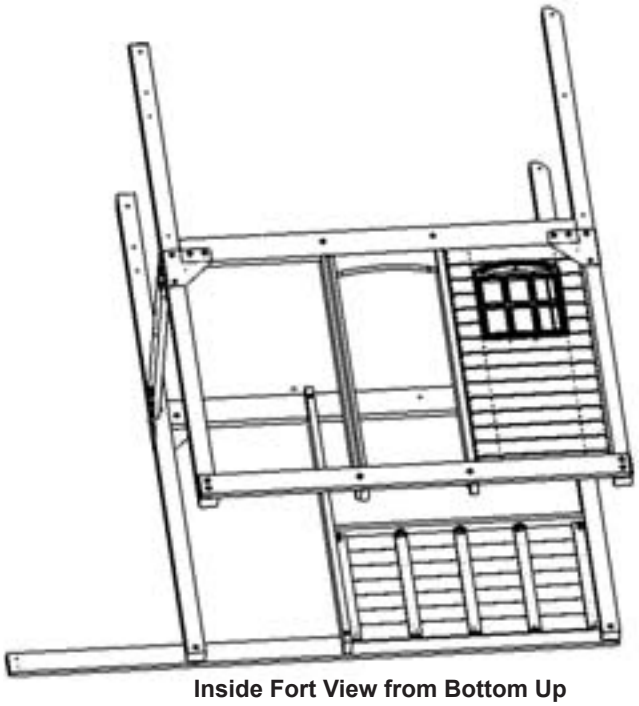
Hardware

5 x S3 **#8 x 2-1/2" Wood Screw**
5 x S15 **#8 x1-3/4" Wood Screw**

support@cedarsummitplay.com

Step 8: Back Wall Panel Assembly Part 2

D: Make sure panel is flush to outside edge of (021) Post Long and (062) Post Lower then from inside of fort attach (080) Back Half Panel to (081) Top Cafe, (021) Post Long and (062) Post Lower with 5 Corner Brackets using 3 (S13) #6 x 5/8" Pan Screws per bracket as shown in fig. 8.3, 8.4 and 8.5.



Inside Fort View from Bottom Up

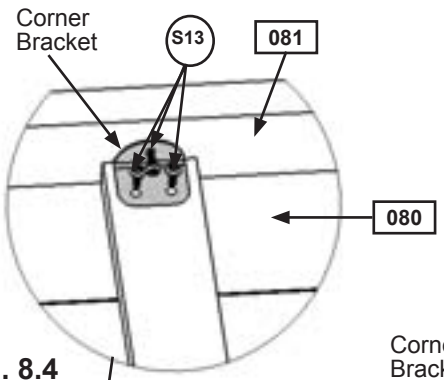


Fig. 8.4

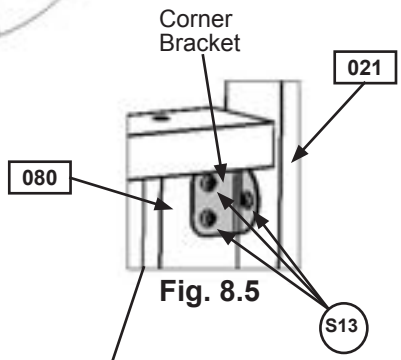
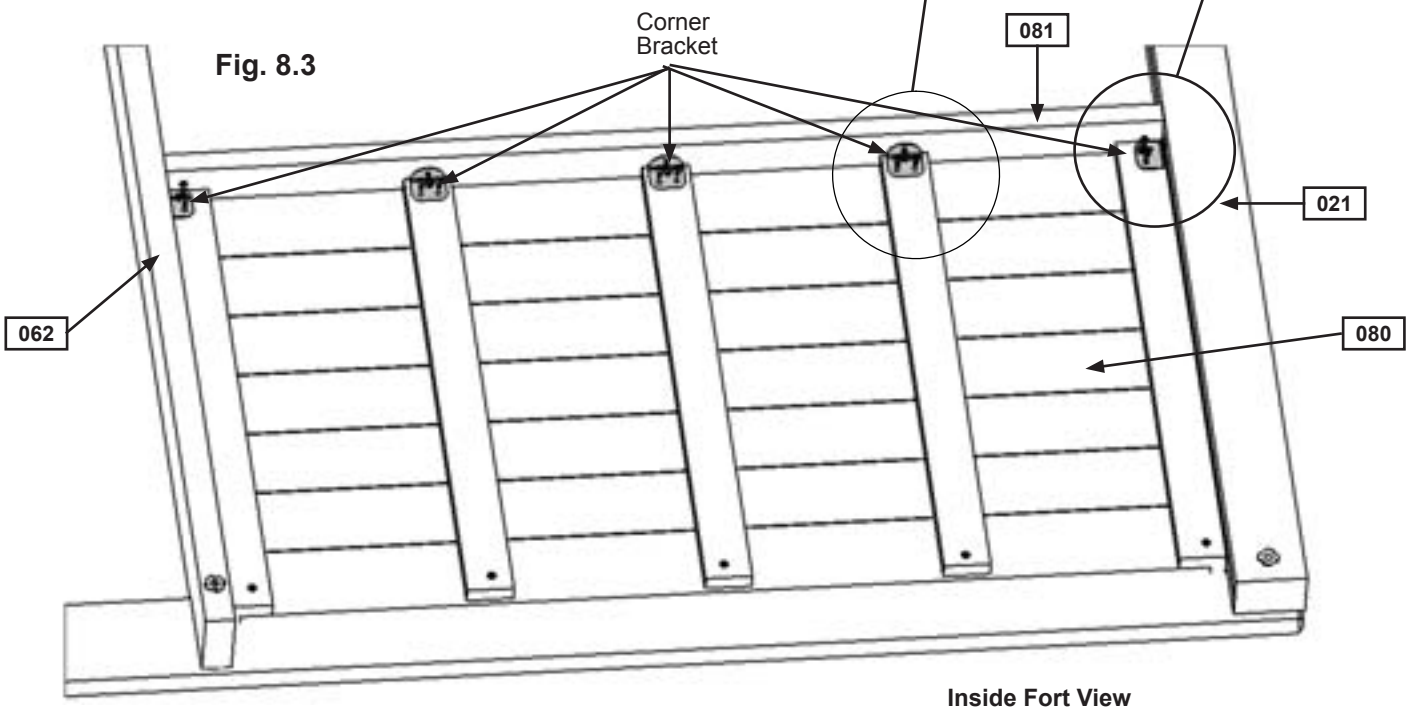


Fig. 8.5

Fig. 8.3



Inside Fort View

Hardware

15 x (S13) #6 x 5/8" Pan Screw

Other Parts

5 x Corner Brackets

Step 8: Back Wall Panel Assembly Part 3

E: Make sure the structure is square before continuing. Once the structure is square, tighten all bolts on the back side of the assembly. (fig. 8.5)

Pre-drill all holes using a 1/8" drill bit before installing the lag screws.

F: In the remaining holes on (061) Ground Back install 2 (LS6) 5/16 x 3" Lag Screws (with flat washer). (fig. 8.6)

Fig. 8.5

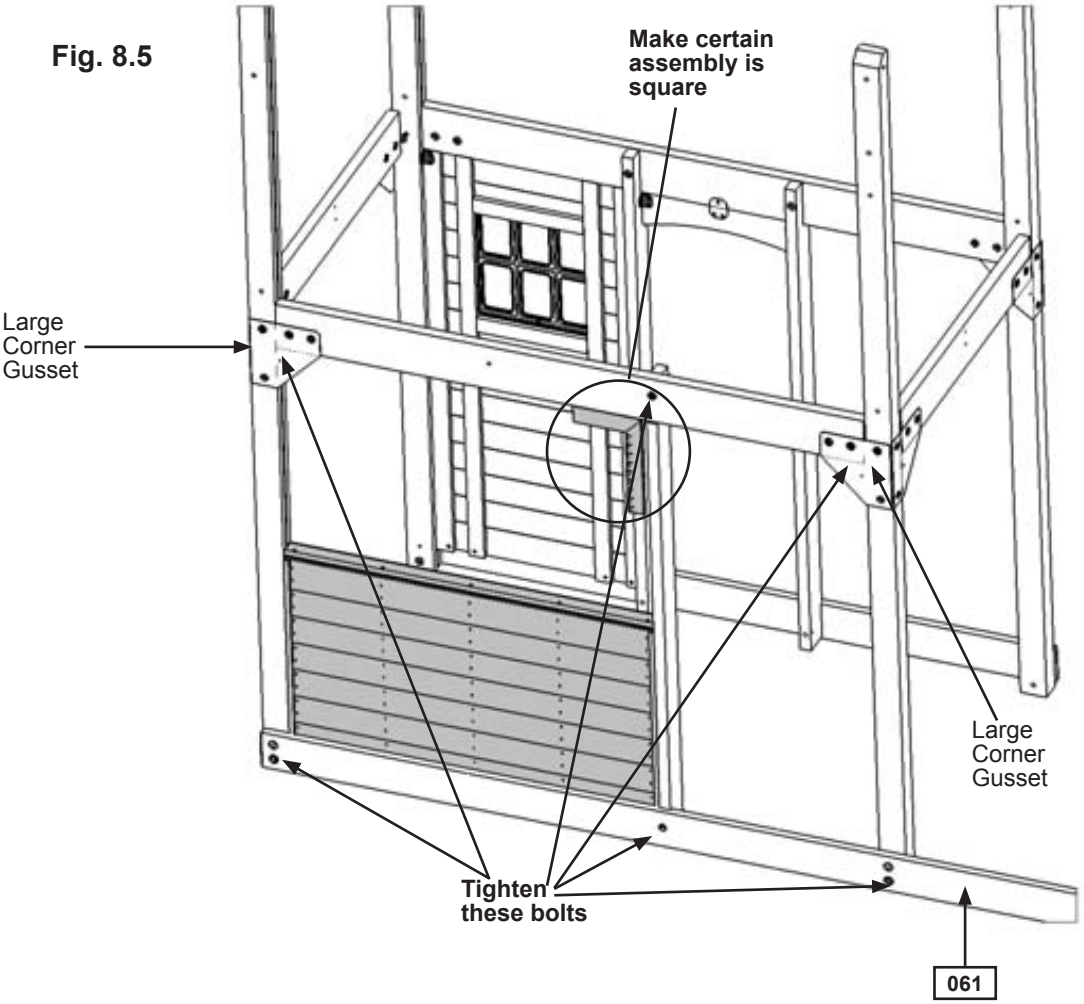
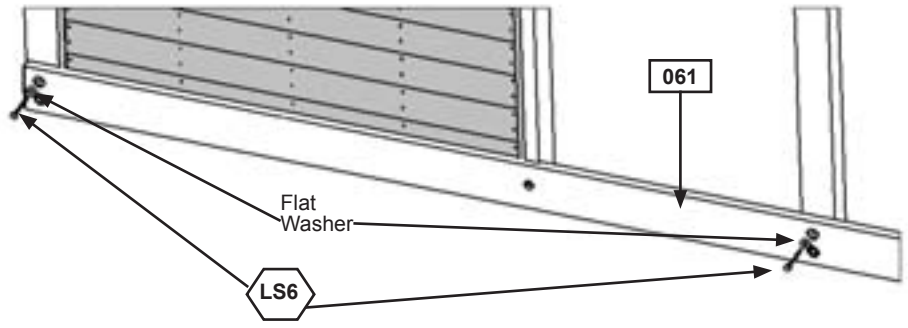


Fig. 8.6



Hardware

2 x LS6 5/16 x 3" Lag Screw (5/16" flat washer)

Step 9: Side Wall Assembly Part 1

Pre-drill all holes using a 1/8" drill bit before installing the lag screws.

A: Place (090) SW Ground against both (021) Post Long making sure the holes are towards the bottom of the board. (fig. 9.1 and 9.2)

B: Starting at the left side, measure 18-3/16" from the bottom tip of (090) SW Ground to the outside edge of (060) Ground Front, check that (090) SW Ground is square to (021) Post Long then install 2 (LS6) 5/16 x 3" Lag Screws (with flat washer) on one end. (fig. 9.2 and 9.3)

Fig. 9.1

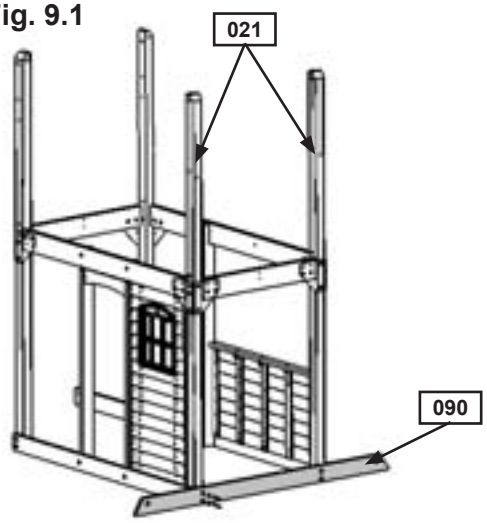


Fig. 9.2

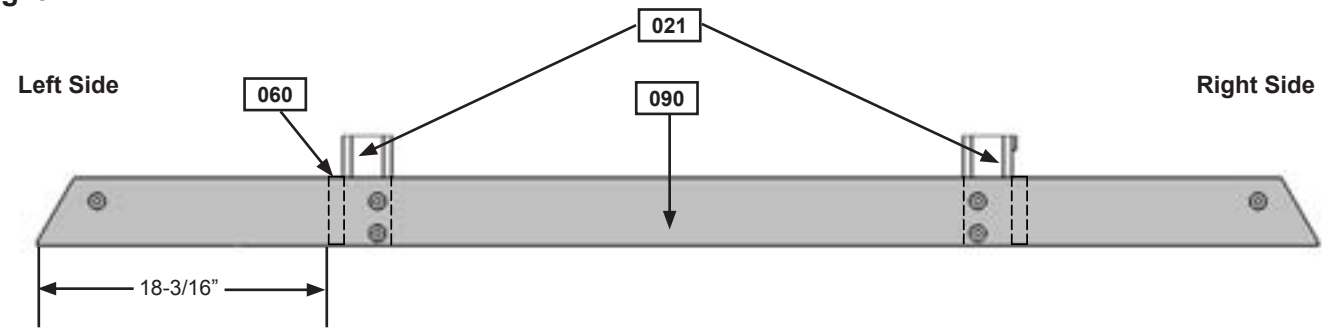
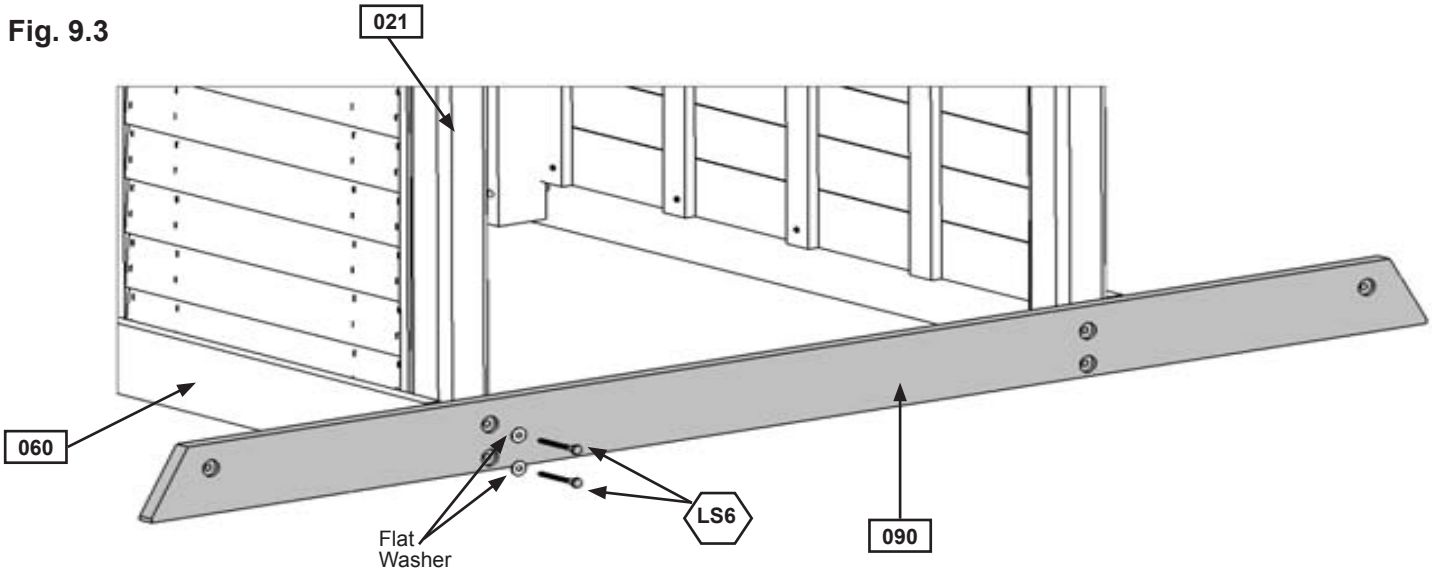


Fig. 9.3



Wood Parts

1 x 090 **SW Ground FSC 5/4 x 5 x 80"**

Hardware

2 x LS6 **5/16 x 3" Lag Screw (5/16" flat washer)**

support@cedarsummitplay.com

Step 9: Side Wall Assembly Part 2

Pre-drill all holes using a 1/8" drill bit before installing the (S3) Wood Screws and (LS6) Lag Screws.

C: Place (091) Half Wall Panel between both (021) Post Long and from the inside attach to (090) SW Ground using 4 (S15) #8 x 1-3/4" Wood Screws as shown in fig. 9.3. The front face of the panel must be flush with the front face of the posts. The distance between the top of the panel and the bottom of the post should be 25".

D: Attach (092) Cafe Top to top of (091) Half Wall Panel using 4 (S3) #8 x 2-1/2" Wood Screws as shown in fig. 9.3. Make sure the tops of each panel are at the same height.

E: Attach (090) SW Ground to the other (021) Post Long using 2 (LS6) 5/16 x 3" Lag Screw (with flat washer) as shown in fig. 9.4.

F: Make sure panel is flush to outside edge of both (021) Post Long then from inside of fort attach (091) Half Wall Panel to (092) Cafe Top and both (021) Post Long with 4 Corner Brackets using 3 (S13) #6 x 5/8" Pan Screws per bracket as shown in fig. 9.3.

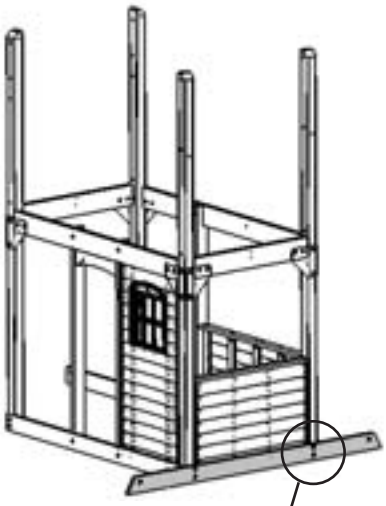


Fig. 9.4

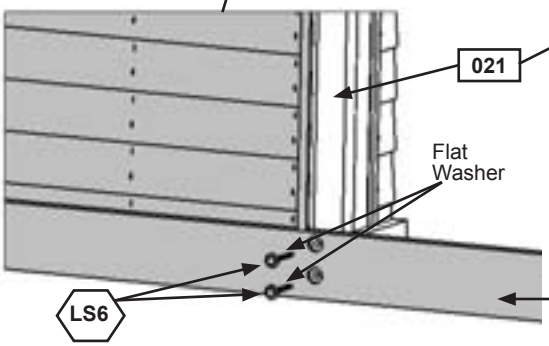
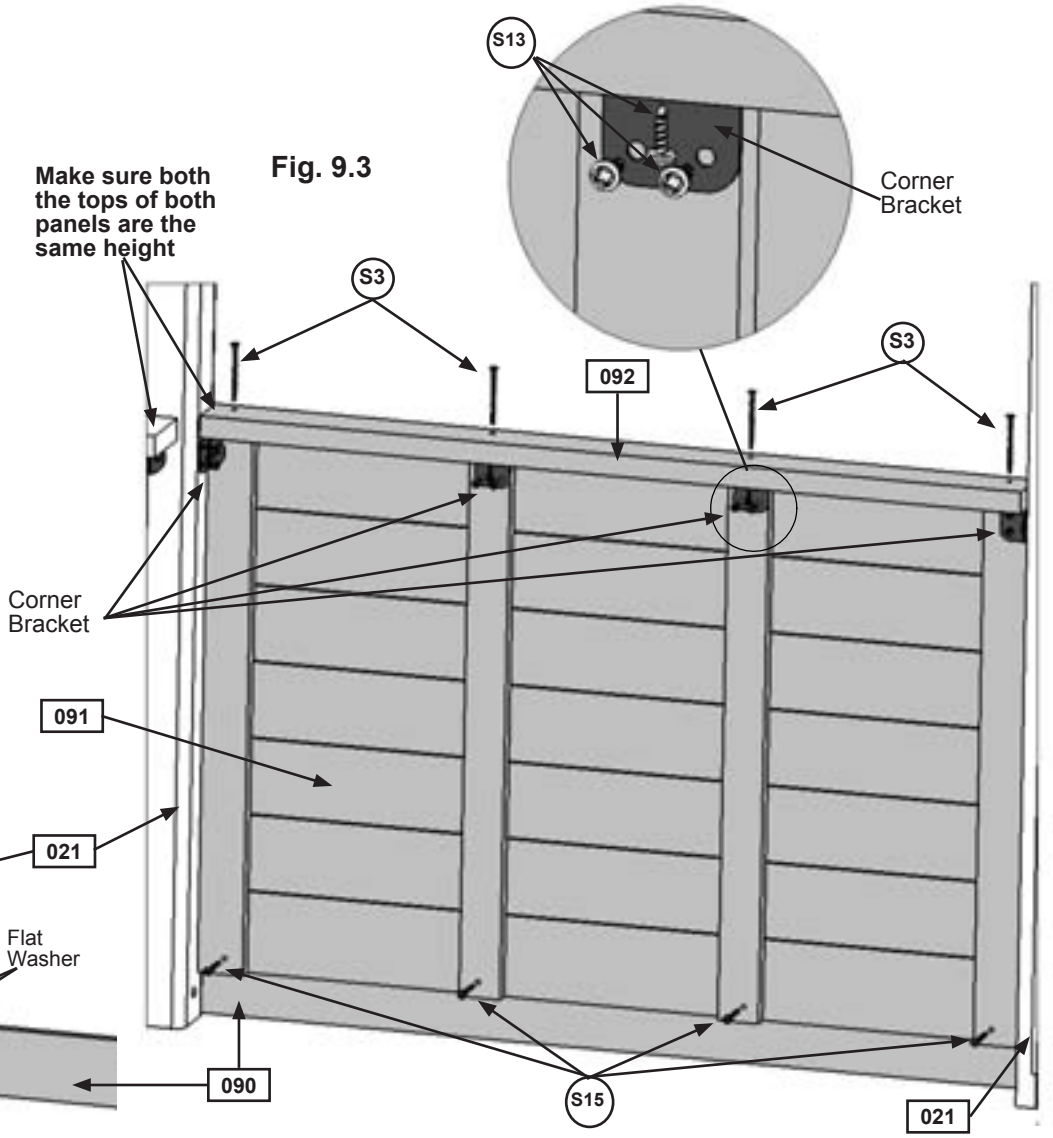


Fig. 9.3



Wood Parts

1 x 091 Half Wall Panel FSC 1-1/8 x 23-1/4 x 35-3/4"
1 x 092 Cafe Top FSC 5/4 x 3 x 35-3/4"

Hardware

4 x S3 #8 x 2-1/2" Wood Screw
12 x S13 #6 x 5/8" Pan Screw
4 x S15 #8 x1-3/4" Wood Screw
2 x LS6 5/16 x 3" Lag Screw (5/16" flat washer)

Other Parts

4 x Corner Brackets

Step 10: Wall Assembly Part 1

A: Place (100) Ground Divider between 2 (062) Post Lower making sure the edge of the Ground Divider is tight against (061) Ground Back and (060) Ground Front. Make sure the Ground Divider is square to the posts and install 2 (S15) #8 x 1-3/4" Wood Screws on one side only. (fig. 10.1 and 10.2)

B: Place (091) Half Wall Panel between 2 (062) Post Lower and from the inside attach to (100) Ground Divider using 4 (S15) #8 x 1-3/4" Wood Screws as shown in fig. 10.3. Make sure the height of the panel is the same as the previous panel. The distance between the top of the panel and the bottom of the post should be 25".

C: Measure 7" down from the top of the panel and attach panel to the front (062) Post Lower and with 1 Flat Bracket using 3 (S13) #6 x 5/8" Pan Screws. (fig. 10.3)

D: Secure (091) Half Wall Panel to back (062) Post Lower with 1 Flat Bracket using 3 (S13) #6 x 5/8" Pan Screws as shown in fig. 10.3.

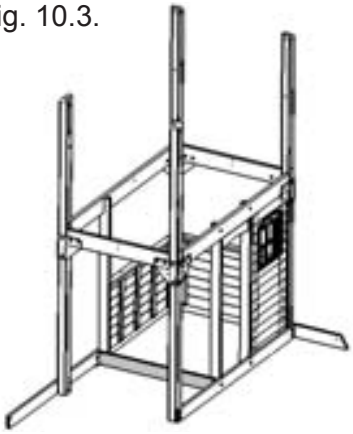


Fig. 10.1

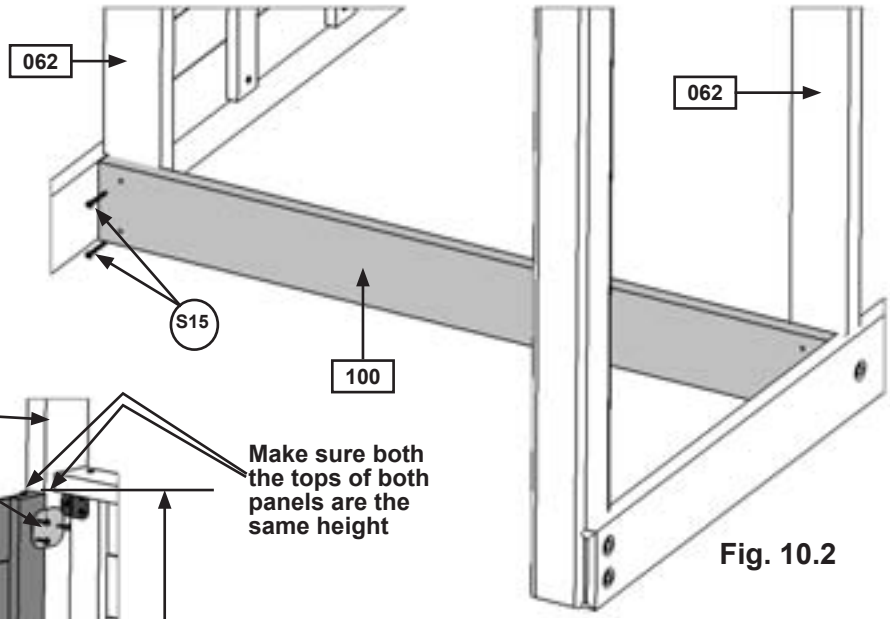


Fig. 10.2

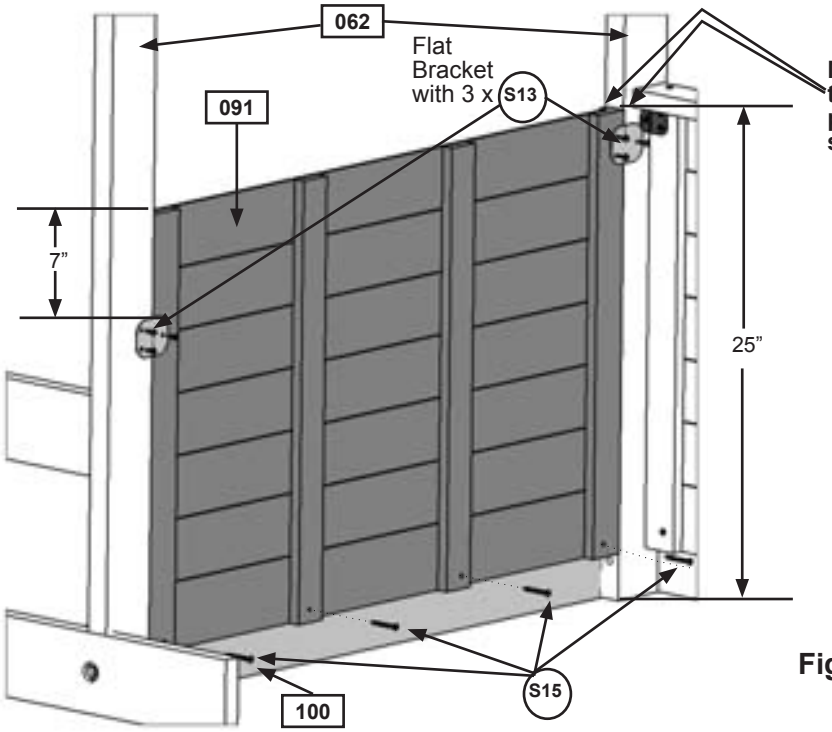


Fig. 10.3

Wood Parts

1 x 100 Ground Divider FSC 5/4 x 5 x 41-3/4"
1 x 091 Half Wall Panel FSC 1-1/8 x 23-1/4 x 35-3/4"

Hardware

6 x S13 #6 x 5/8" Pan Screw
6 x S15 #8 x 1-3/4" Wood Screw

Other Parts

2 x Flat Brackets

support@cedarsummitplay.com

Step 10: Wall Assembly Part 2

Pre-drill holes for (S3) Wood screws using a 1/8" drill bit before installing the screws.

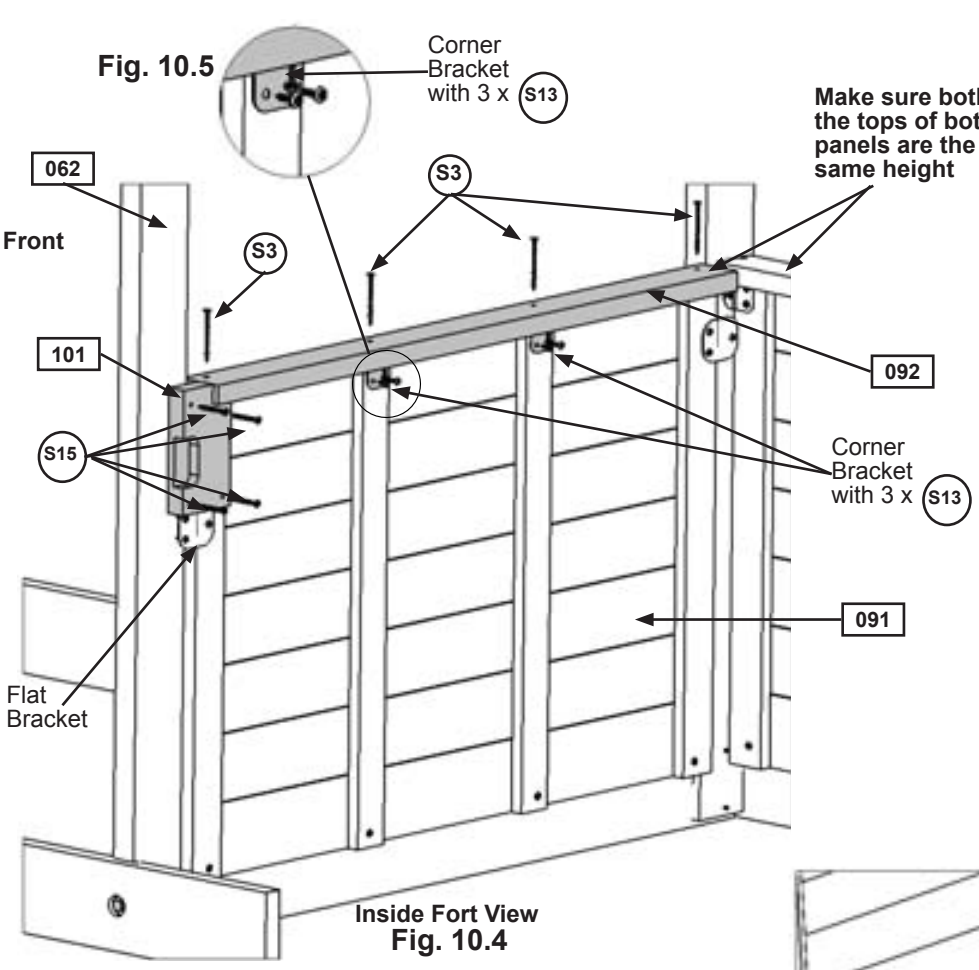
E: Attach (092) Cafe Top to top of (091) Half Wall Panel using 4 (S3) #8 x 2-1/2" Wood Screws as shown in fig. 10.4, making sure the middle screws go into the vertical strips in the panels.

F: On the front (062) Post Lower install (101) Door Stop tight to the bottom of (092) Cafe Top with 4 (S15) #8 x 1-3/4" Wood Screws as shown in fig. 10.4.

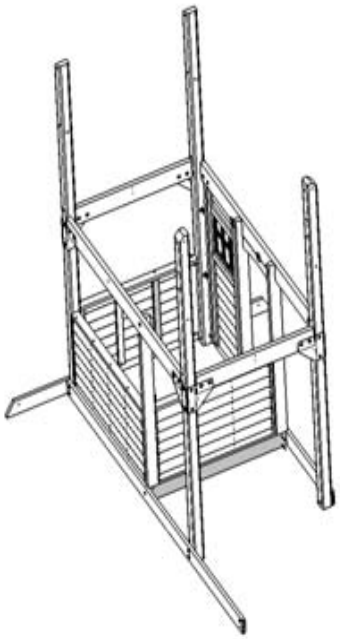
G: From inside of fort attach (091) Half Wall Panel to (092) Cafe Top with 2 Corner Brackets using 3 (S13) #6 x 5/8" Pan Screws per bracket as shown in fig. 10.4 and 10.5.

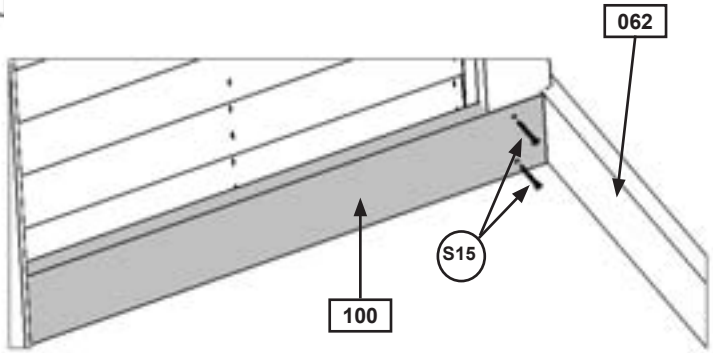
H: Attach (100) Ground Divider to the other (062) Post Lower using 2 (S15) #8 x 1-3/4" Wood Screws as shown in fig. 10.6.

Fig. 10.5



Inside Fort View
Fig. 10.4





Outside Fort View
Fig. 10.6

Wood Parts

1 x 092 Cafe Top FSC 5/4 x 3 x 35-3/4"
1 x 101 Door Stop FSC 5/4 x 4 x 6"

Hardware

4 x S3 #8 x 2-1/2" Wood Screw
6 x S13 #6 x 5/8" Pan Screw
6 x S15 #8 x1-3/4" Wood Screw

Other Parts

2 x Corner Brackets

support@cedarsummitplay.com

Step 11: Attach Cedar Diagonals and Ground Side Part 1

Pre-drill all holes using a 1/8" drill bit before installing the lag screws.

A: Place (110) Ground Side against both (031) Post Short making sure the holes are towards the top of the board then install using 4 (LS6) 5/16 x 3" Lag Screws (with flat washer) as shown in fig. 11.1 and 11.3.

B: Attach 1 (111) Cedar Diagonal to each end of (090) SW Ground with 1 (G8) 5/16 x 2" Hex Bolt (with flat washer, lock washer and t-nut) per side. (fig. 11.1 and 11.2) ***Make sure to keep the bolts loose.***

Fig. 11.1

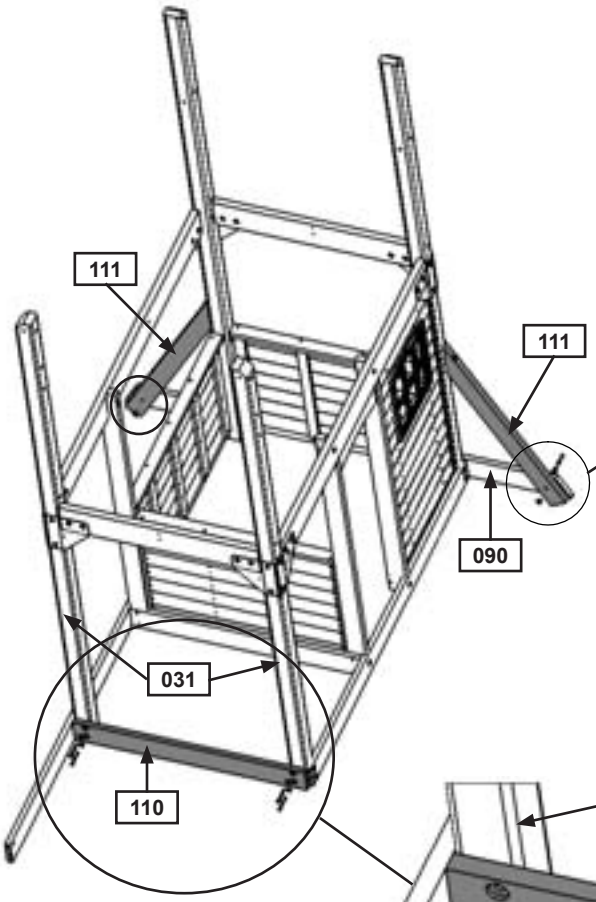
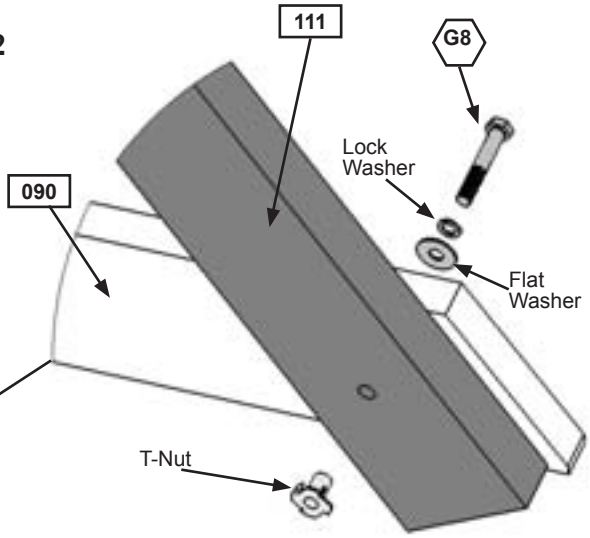


Fig. 11.2



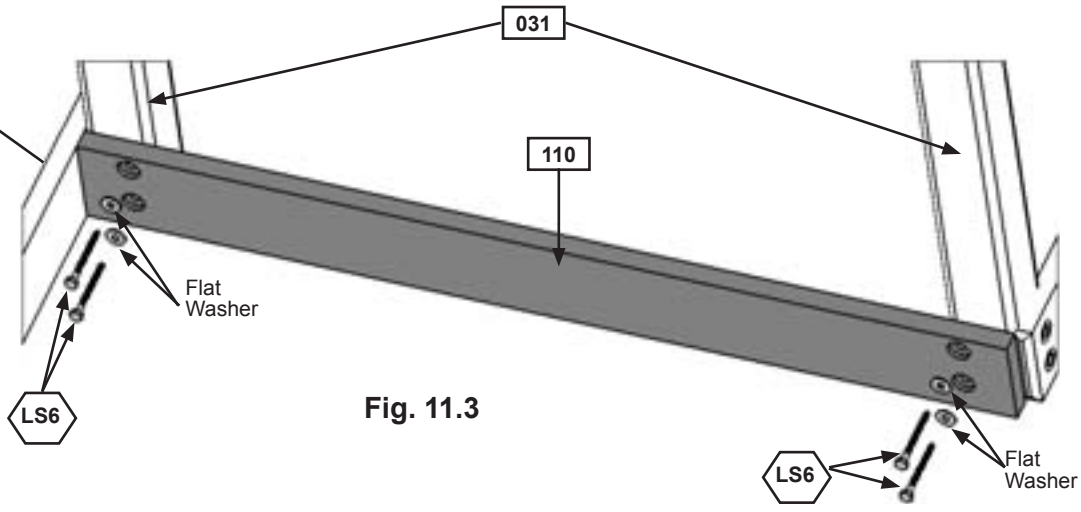


Fig. 11.3

Wood Parts

1 x 110 **Ground Side FSC 5/4 x 5 x 41-3/4"**
2 x 111 **Cedar Diagonal FSC 2 x 4 x 38"**

Hardware

2 x G8 **5/16 x 2" Hex Bolt (5/16" flat washer, 5/16" lock washer, 5/16" t-nut)**
4 x LS6 **5/16 x 3" Lag Screw (5/16" flat washer)**

support@cedarsummitplay.com

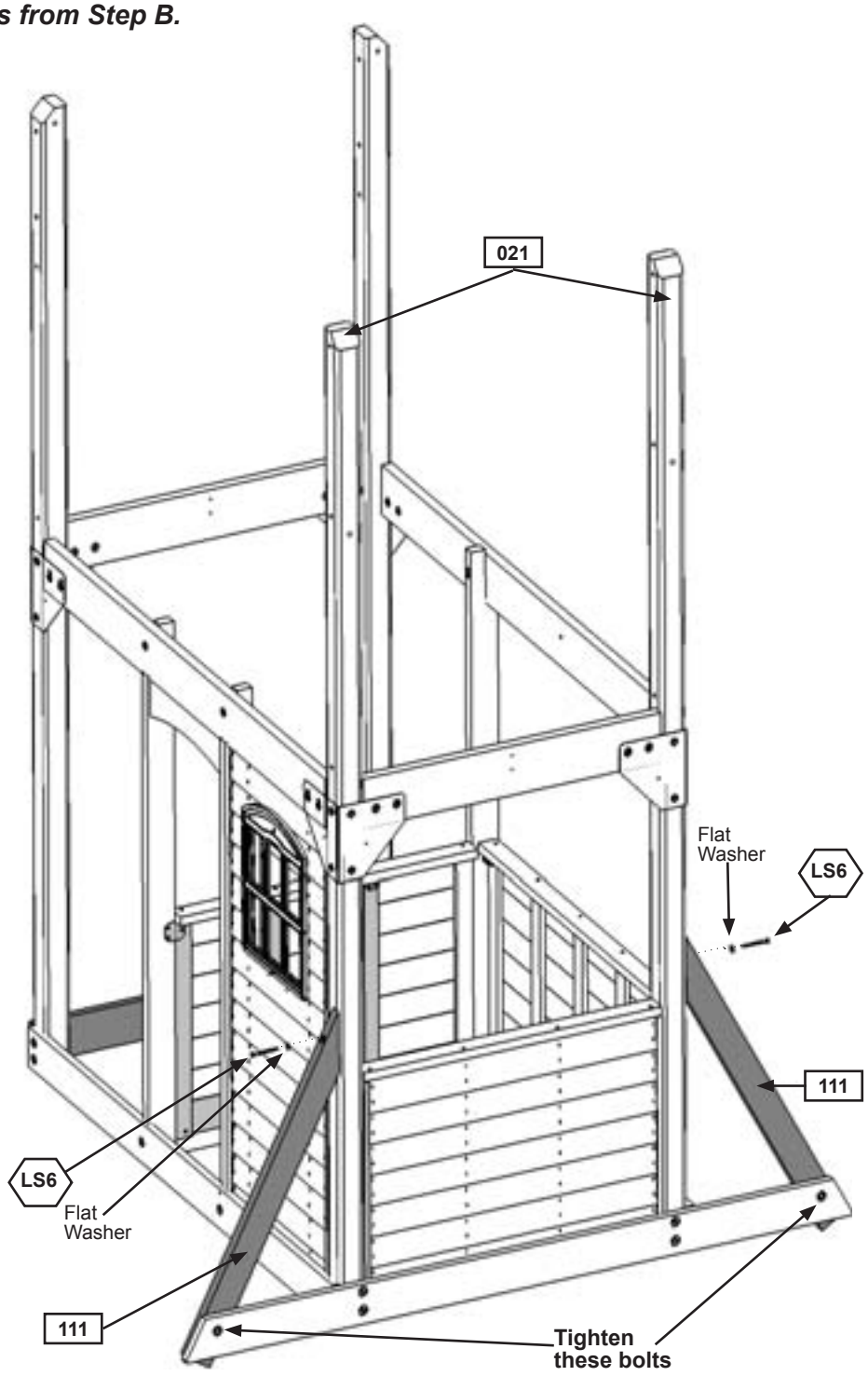
Step 11: Attach Cedar Diagonals and Ground Side Part 2

Pre-drill all holes using a 1/8" drill bit before installing the lag screws.

C: Through the pre-drilled holes attach (111) Cedar Diagonals to each (021) Post Long using 1 (LS6) 5/16 x 3" Lag Screw (with flat washer) per diagonal. (fig. 11.4)

Tighten the Hex Bolts from Step B.

Fig. 11.4



Hardware

2 x LS6 5/16 x 3" Lag Screw (5/16" flat washer)

Step 12: Gusset Assembly

Pre-drill all holes using a 1/8" drill bit before installing the lag screws and screw for Door Wall Panel.

A: Make sure assembly is square then tighten the bolts which connect the Large Corner Gusset to the (041) Floor Ends on both the Post Short and Post Long sides of the assembly. (fig. 12.4)

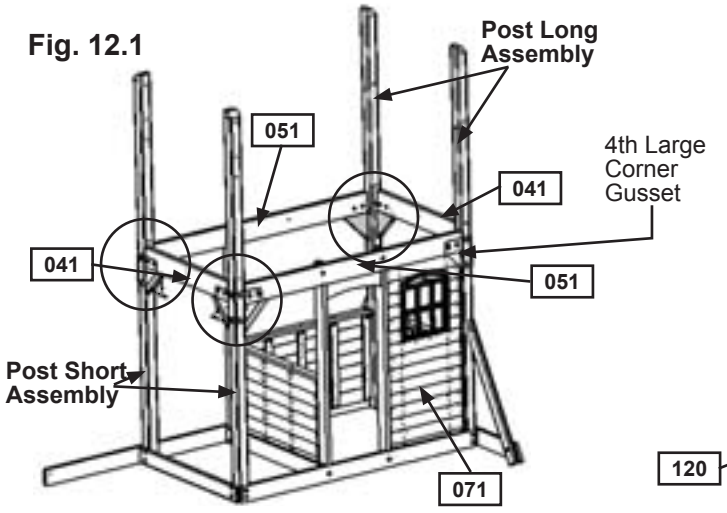
B: At the 3 corners indicated in fig.12.1 pre-drill pilot holes with a 1/8" drill bit into (041) Floor End; (051) Floor Front Back and the posts using (120) Gusset as a guide.

C: In the pre-drilled locations, attach (120) Gusset to (041) Floor End; (051) Floor Front Back and the posts using 2 (LS6) 5/16 x 3" Lag Screw (with flat washer) per gusset. (fig. 12.2)

D: At the fourth Large Corner Gusset (fig. 12.1) repeat steps on one side only.

E: Attach Large Corner Gusset to each (120) Gusset and the (071) Door Wall Panel using 2 (WH2) #12 x 1" Wafer Head Screw per Large Corner Gusset. (fig. 12.3)

Fig. 12.1



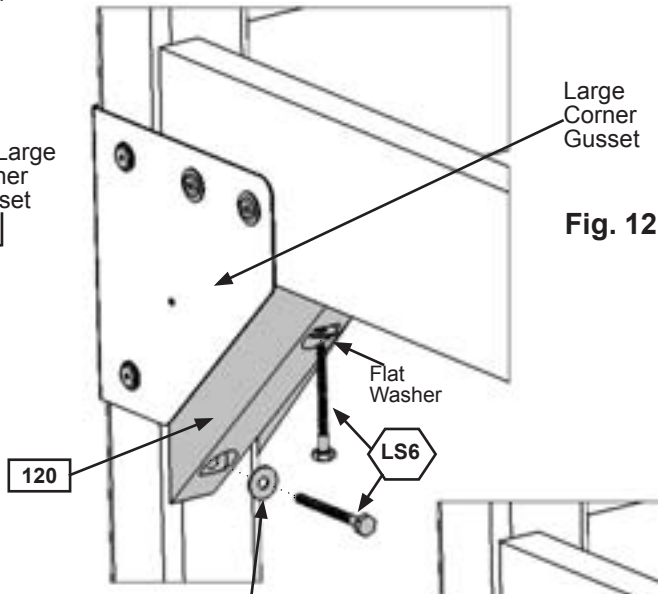


Fig. 12.2

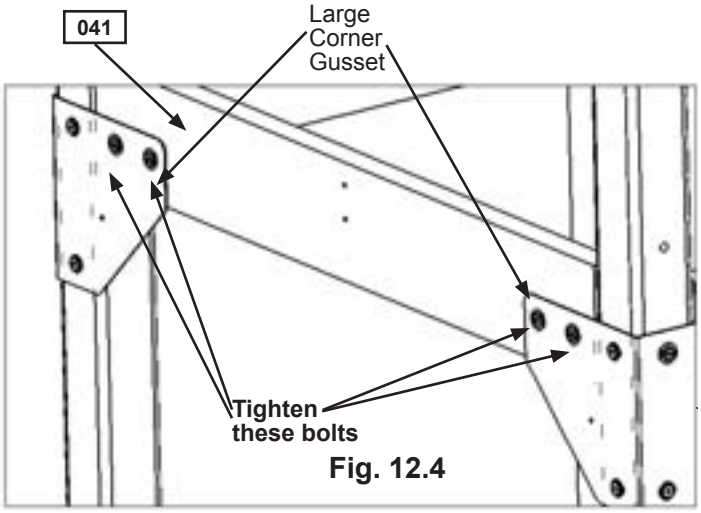


Fig. 12.4

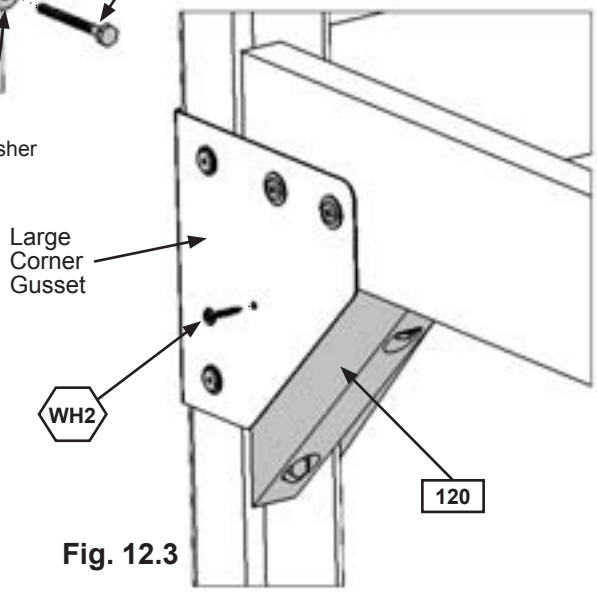


Fig. 12.3

Wood Parts

7x [120] Gusset FSC 2 x 6 x 10-1/2"

Hardware

14 x (LS6) 5/16 x 3" Lag Screw (5/16" flat washer)

8 x (WH2) #12 x 1" Wafer Head Screw

support@cedarsummitplay.com

Step 13: Floor Frame Assembly

A: Attach (130) Floor Joist to inside of both (041) Floor End using 2 (S4) #8 x 3" Wood Screws per end. Make sure the Floor Joist is flush to the top of the Floor Ends. (fig. 13.1 and 13.2)

B: Place 1 (131) Gap Board at each end of the fort and attach to both (051) Floor Front Back and (130) Floor Joist using 3 (S20) #8 x 1-3/8" Wood Screws per board. (fig. 13.3 and 13.4)

Fig. 13.1

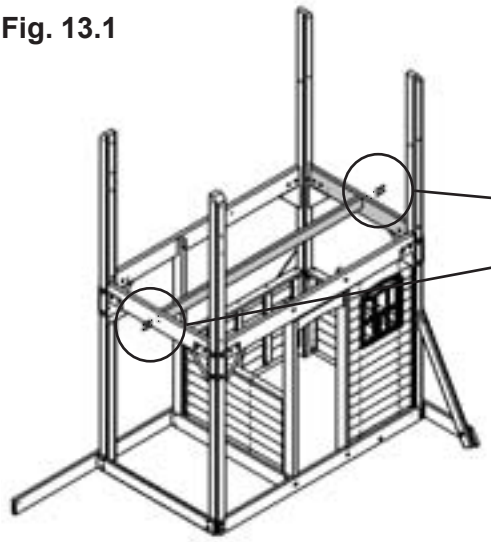
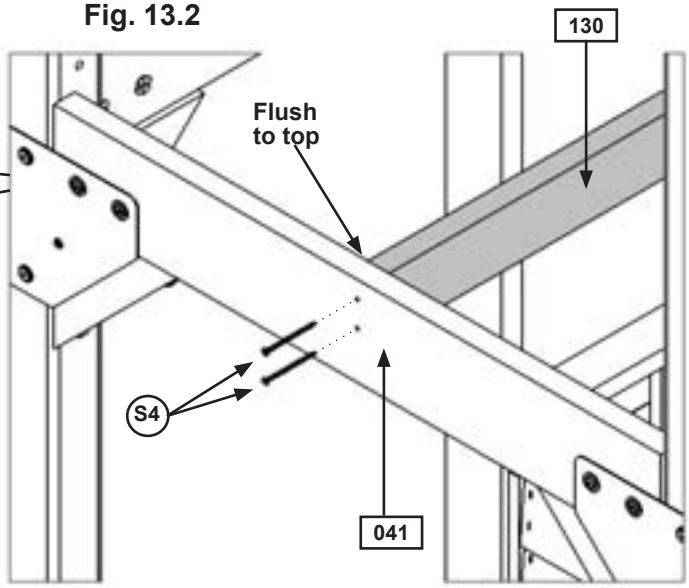


Fig. 13.2



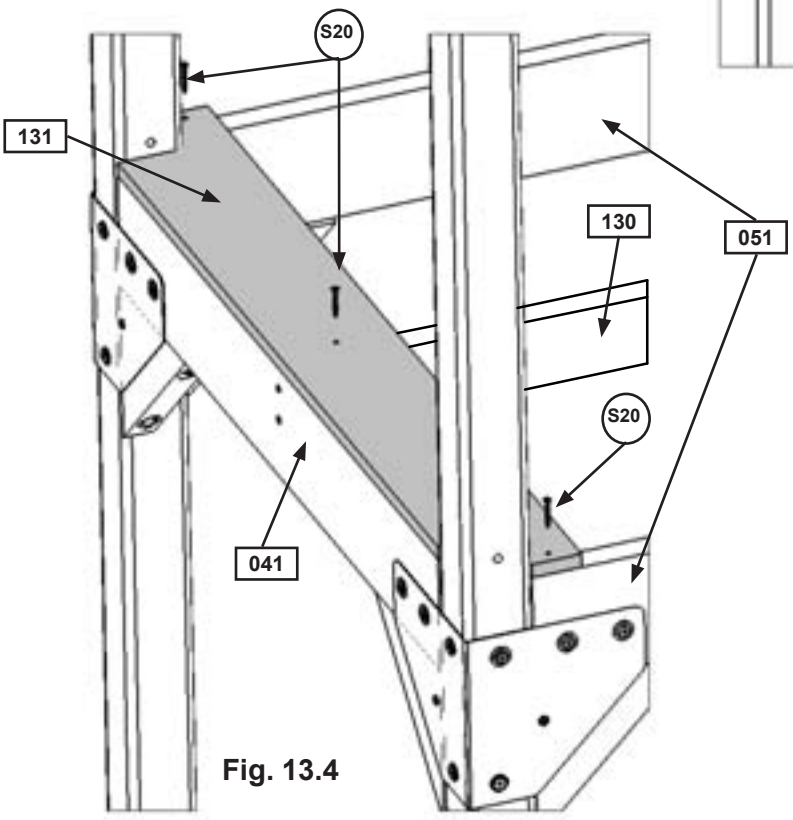
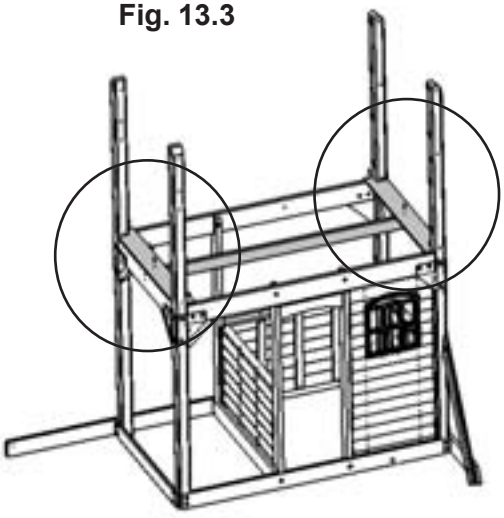


Fig. 13.4

Fig. 13.3



Wood Parts

1 x [130] Floor Joist FSC 2 x 4 x 70-1/8"
2 x [131] Gap Board FSC 1 x 6 x 41-3/4"

Hardware

4 x (S4) #8 x 3" Wood Screw
6 x (S20) #8 x 1-3/8" Wood Screw

support@cedarsummitplay.com

Step 14: Install Fort Ground Stakes

MOVE FORT TO FINAL LOCATION PRIOR TO STAKING

FINAL LOCATION MUST BE LEVEL GROUND

A: In the 3 places shown in fig. 14.1 drive the Rebar Ground Stakes 13" into the ground against the boards. Be careful not to hit the washer while hammering stakes into the ground as this could cause the washer to break off.

B: Attach ground stakes to the boards using 1 (S7) #12 x 2" Pan Screw per ground stake as shown in fig. 14.2 and 14.3.

C: After driving stakes into the ground, check for sharp edges caused by the impact of the hammer. Smooth any sharp edges from impact area and touch up with outdoor paint.

Warning! To prevent tipping and avoid potential injury, stakes must be driven 13" into ground. Digging or driving stakes can be dangerous if you do not check first for under-ground wiring, cables or gas lines.

Fig. 14.1

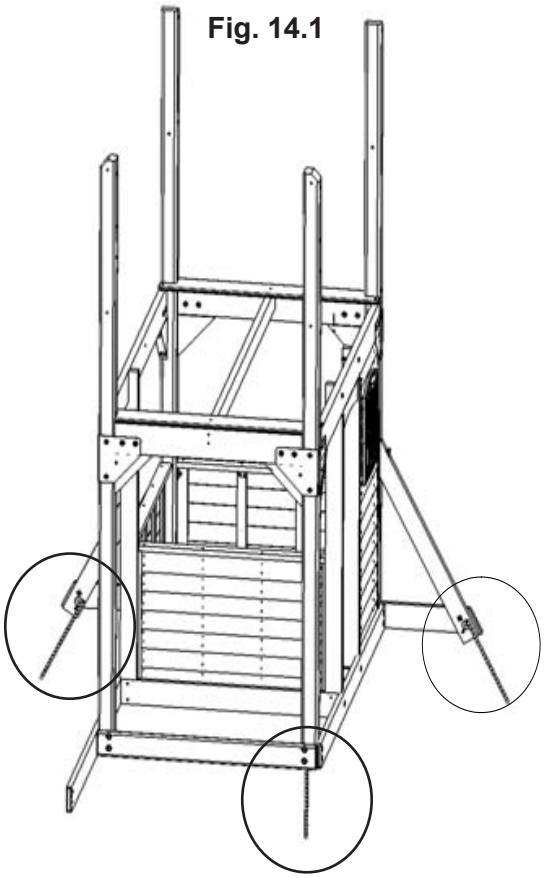
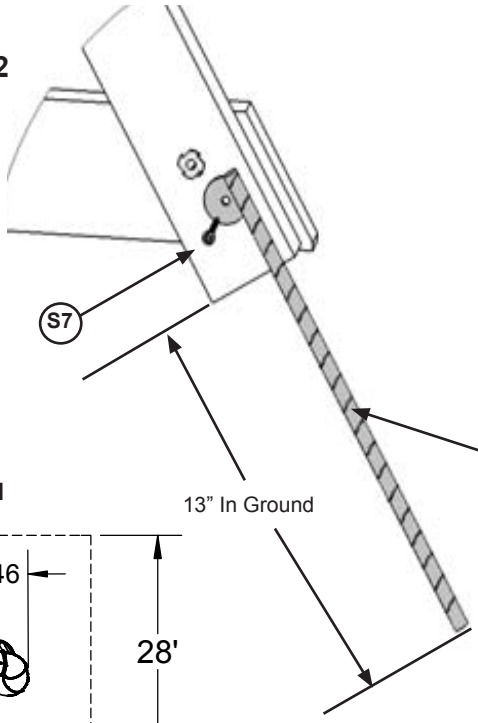
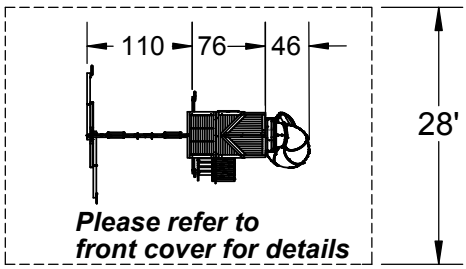


Fig. 14.2

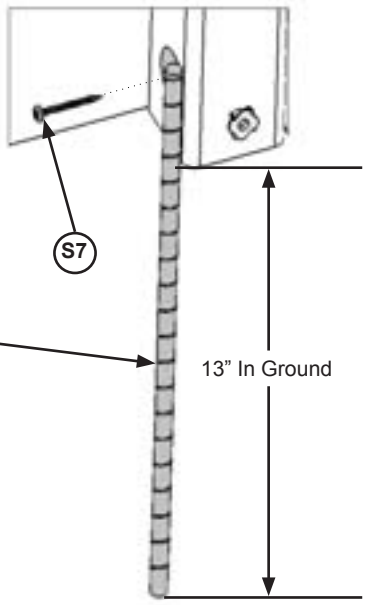


At final location ensure proper safety clearance is provided



Please refer to front cover for details

Fig. 14.3



Hardware

3 x (S7) #12 x 2" Pan Screw

Other Parts

3 x Rebar Ground Stakes

Step 15: Floor Board Assembly

A: Place 1 (150) Floor Board next to each (131) Gap Board, flat on top of (051) Floor Front Back and (130) Floor Joist. Starting on the Post Short side place 4 (151) Floor Boards, followed by 1 (150) Floor Board and then the remaining 5 (151) Floor Boards. (fig. 15.1 and 15.2).

B: Make sure boards are evenly spaced but have less than a 1/4" space between each floor board. (fig. 15.3)

C: Attach all (150) and (151) Floor Boards to (051) Floor Front Back and (130) Floor Joist using 5 (S20) #8 x 1-3/8" Wood Screws per board. (fig. 15.2)

Fig. 15.1

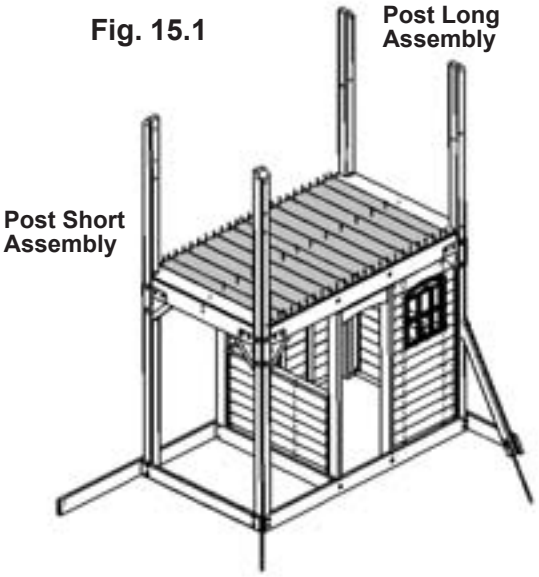


Fig. 15.3

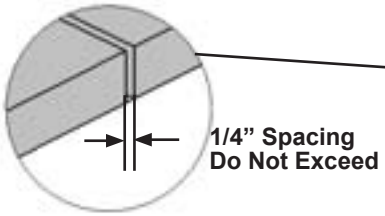
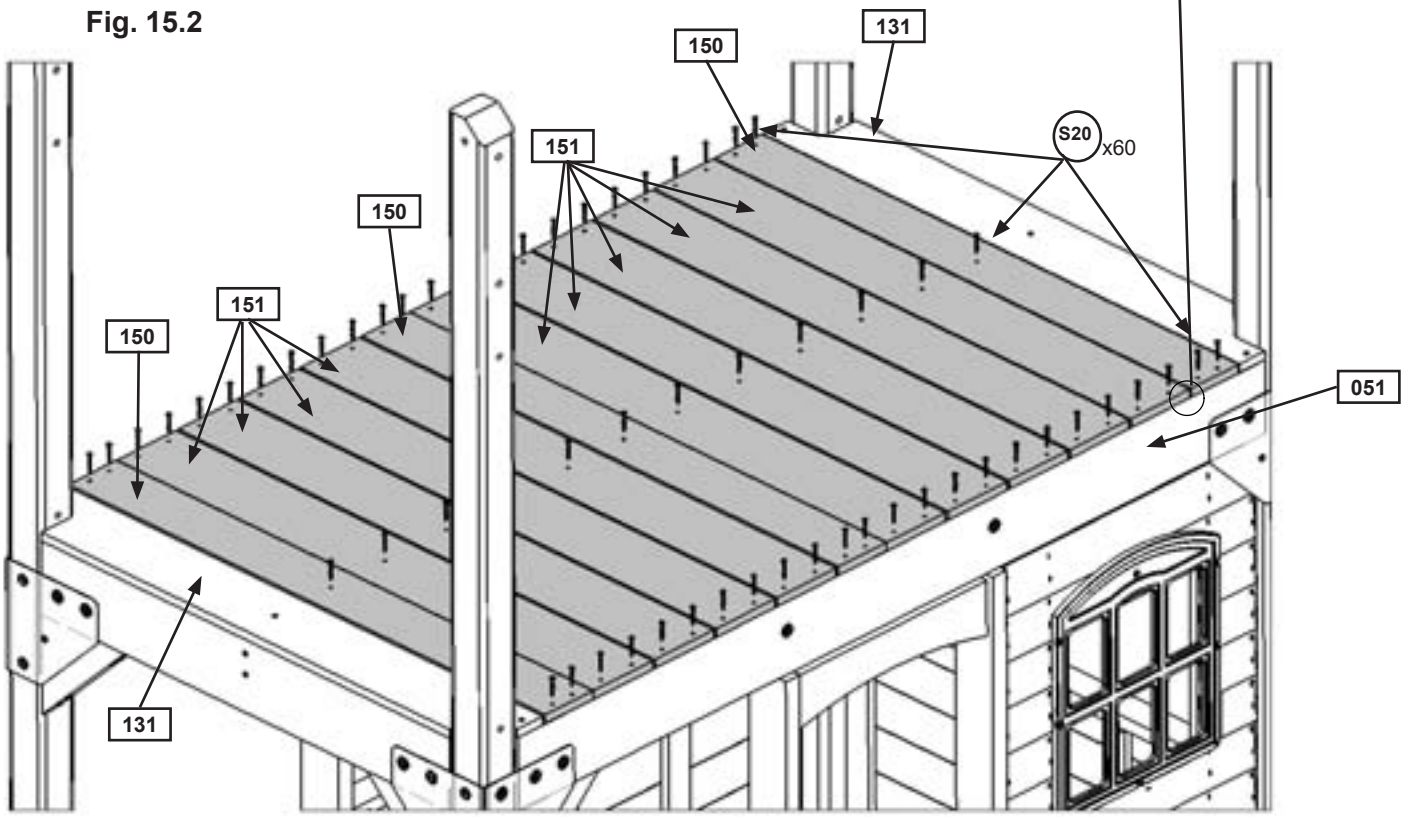


Fig. 15.2



Wood Parts

3 x 150 Floor Board FSC 1 x 5 x 41-3/4"
9 x 151 Floor Board FSC 1 x 6 x 41-3/4"

Hardware

60 x S20 #8 x 1-3/8" Wood Screw

Step 16: Swing Wall Assembly

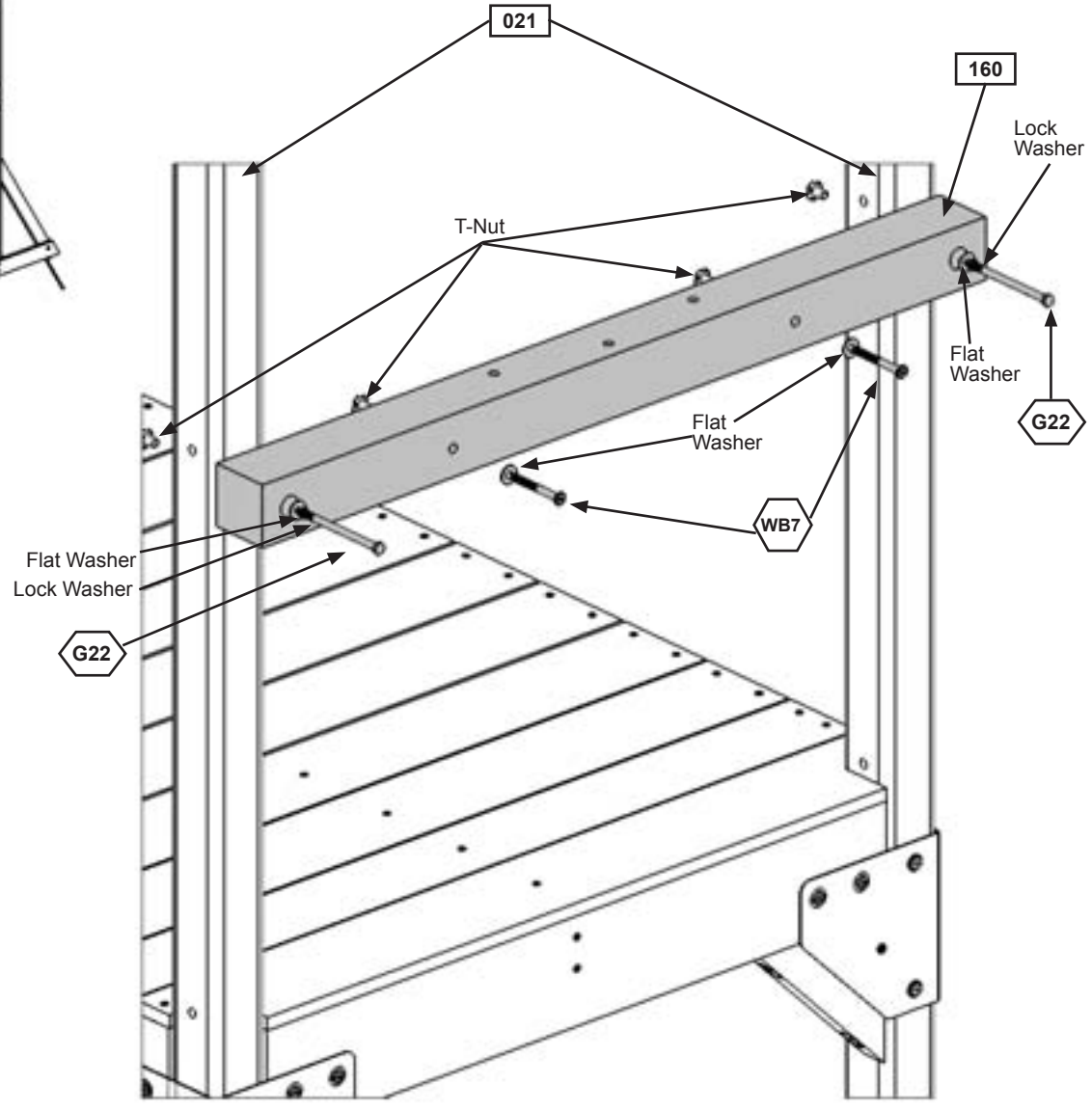
A: Attach (160) SW Wall to both (021) Post Long with 2 (G22) 5/16 x 5” Hex Bolts (with flat washer, lock washer and t-nut). (fig. 16.1 and 16.2)

B: Install 2 (WB7) 5/16 x 3” Wafer Bolt (with flat washer and t-nut) to inside holes of (160) SW Wall as shown in fig. 16.2. ***These bolts do not attach to anything, but MUST be installed to minimize checking.***

Fig. 16.1

Post Long Assembly

Fig. 16.2



Wood Parts

1 x 160 SW Wall FSC 4 x 4 x 41-3/4”

Hardware

2 x G22 5/16 x 5” Hex Bolt (5/16” lock washer, 5/16” flat washer & 5/16” t-nut)

2 x WB7 5/16 x 3” Wafer Bolt (5/16” flat washer, 5/16” t-nut)

support@cedarsummitplay.com

Step 17: Front Frame Assembly Part 1

A: On the front of the assembly attach (170) Left Lower Front to (031) Post Short and (172) Right Lower Front to (021) Post Long using 1 (G21) 5/16 x 3-3/4" Hex Bolt (with flat washer, lock washer and t-nut) per board. (fig. 17.1 and 17.2) ***Make sure to keep the bolts loose.***

Note: Bolt holes in (170) Left Lower Front and (172) Right Lower Front are at the top of the board, pilot holes are at the bottom and tips of angles are towards the top.

B: Attach (170) Left Lower Front to (171) Mid Post with 1 (G21) 5/16 x 3-3/4" Hex Bolt (with flat washer, lock washer and t-nut). Notice that the angle on (171) Mid Post faces (031) Post Short. (fig. 17.1 and 17.2) ***Make sure to keep the bolt loose.***

C: Attach (173) Wall Support to (031) Post Short and (171) Mid Post with 2 (G21) 5/16 x 3-3/4" Hex Bolts (with flat washer, lock washer and t-nut). (fig. 17.1 and 17.2) ***Make sure to keep the bolt loose.***

Note: Bolt holes in (173) Wall Support are at the top of the board.

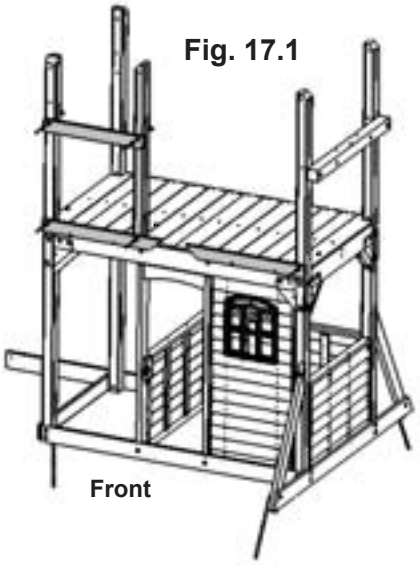


Fig. 17.1

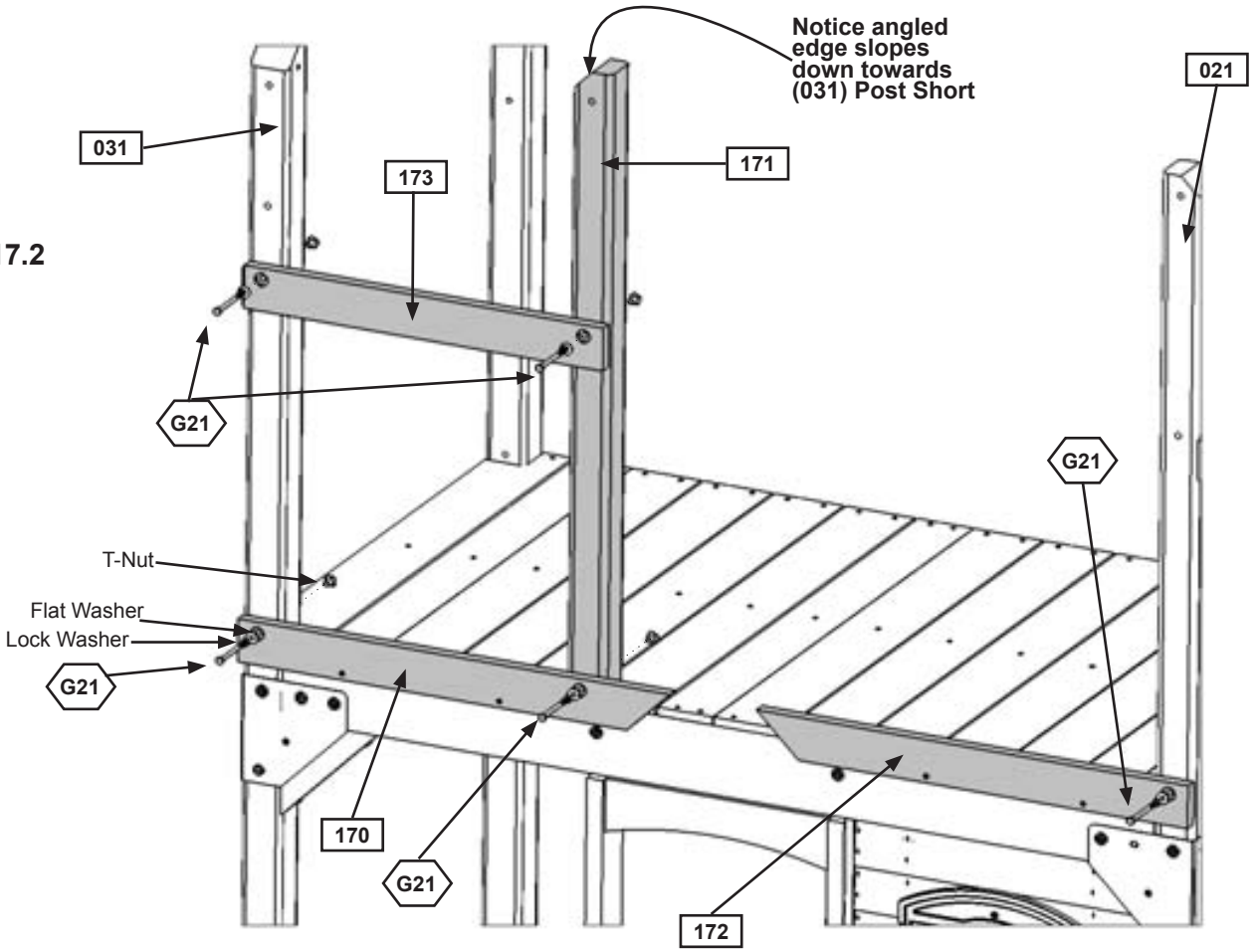


Fig. 17.2

Wood Parts

- 1 x 170 Left Lower Front FSC 5/4 x 4 x 33"
- 1 x 171 Mid Post FSC 4 x 4 x 47"
- 1 x 172 Right Lower Front FSC 5/4 x 4 x 33"
- 1 x 173 Wall Support FSC 5/4 x 4 x 27-5/8"

Hardware

- 5 x G21 5/16 x 3-3/4" Hex Bolt (5/16" lock washer, 5/16" flat washer & 5/16" t-nut)

support@cedarsummitplay.com

Step 17: Front Frame Assembly Part 2

D: Using the window as a guide pre-drill holes with a 1/8" drill bit, then install 2 Six-Pane Arch Windows in the openings of (174) Full Panel with 8 (S16) #6 x 1" Pan Screws per window as shown in fig. 17.4.

E: Make sure (170) Left Lower Front is level then place (174) Full Panel between (021) Post Long and (171) Mid Post tight against (170) and (172) Lower Front boards and floor boards. From inside the fort attach panel to the lower front boards with 6 (S15) #8 x 1-3/4" Wood Screws as shown in fig. 17.5.

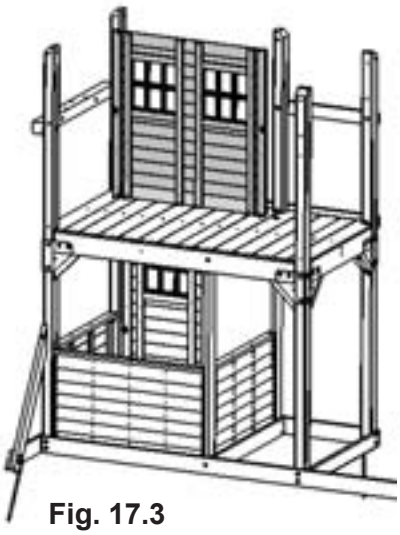
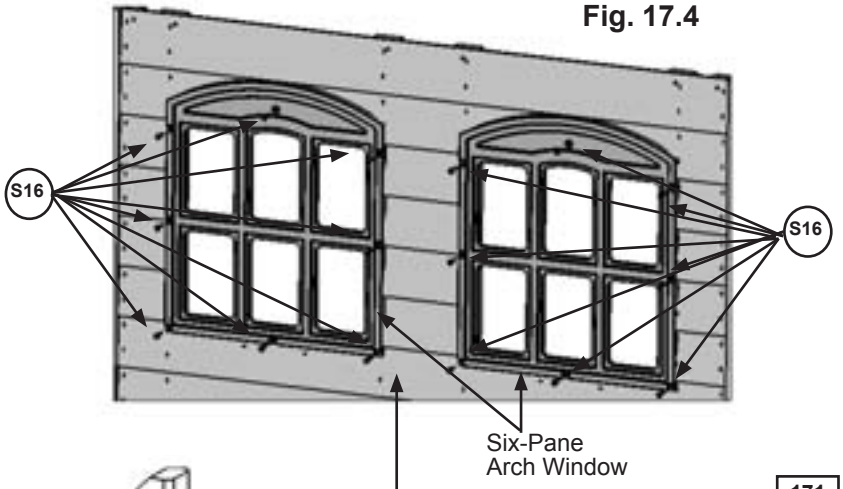
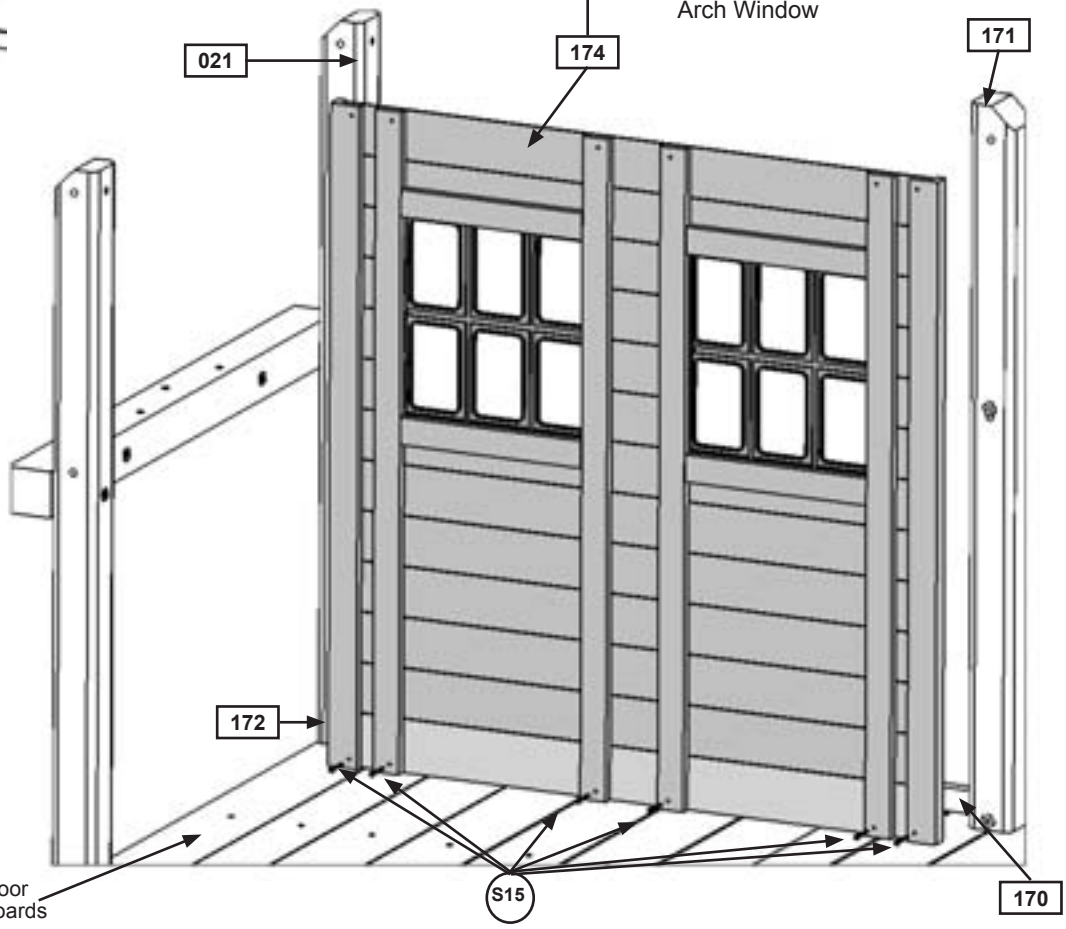


Fig. 17.3

Outside Panel View
Fig. 17.4





Inside Fort View
Fig. 17.5

Wood Parts

1 x [174] Full Panel FSC 1-1/8 x 42 x 43"

Hardware

6 x (S15) #8 x 1-3/4" Wood Screw

16 x (S16) #6 x1" Pan Screw

Other Parts

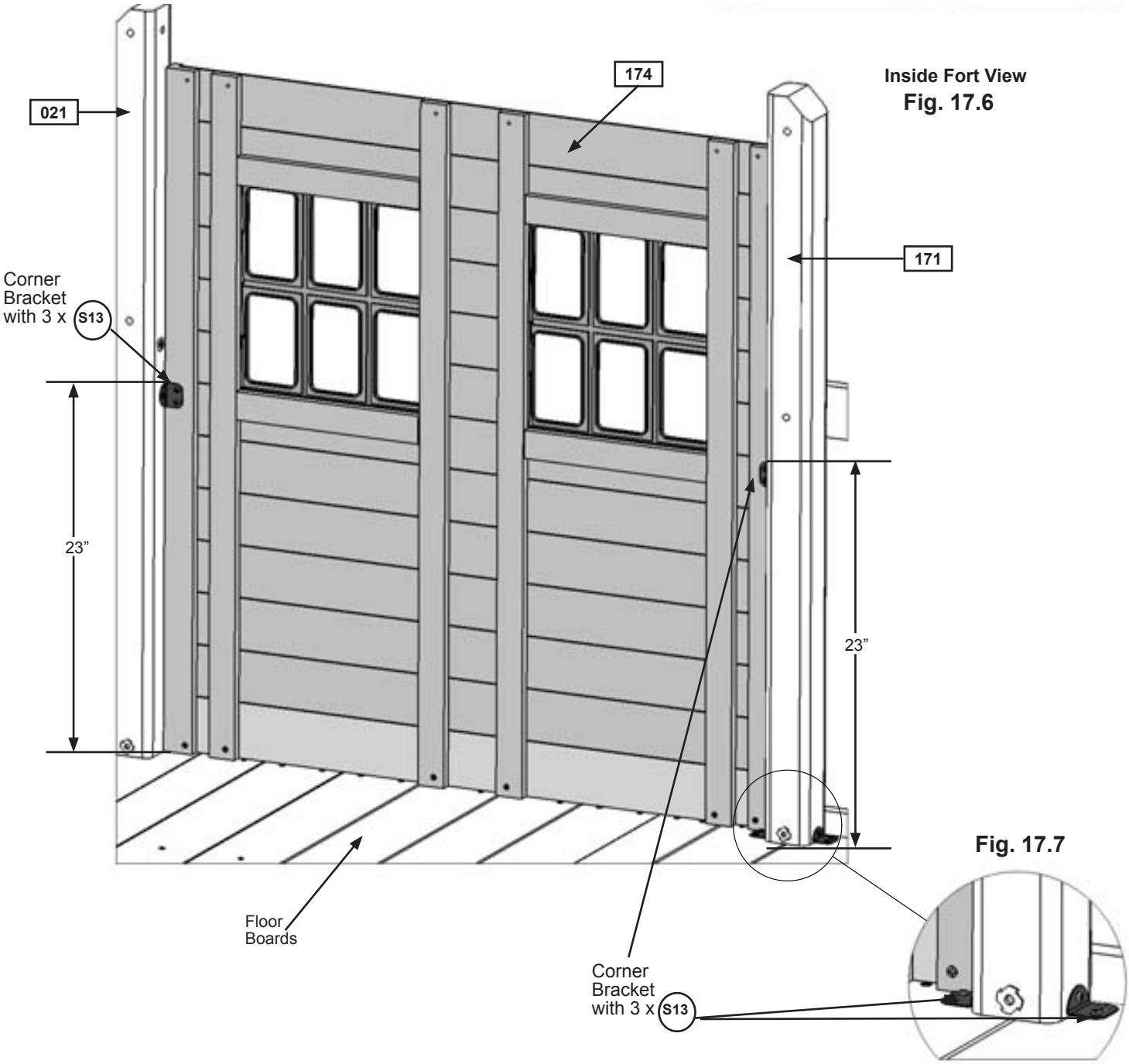
2 x Six-Pane Arch Windows

support@cedarsummitplay.com

Step 17: Front Frame Assembly Part 3

F: From the inside of the fort measure 23” up from floor boards on (021) Post Long and (171) Mid Post and attach (174) Full Panel to each post with 1 Corner Bracket per post using 3 (S13) #6 x 5/8” Pan Screws per bracket. Make sure panel is flush to outside edge of (021) Post Long and (171) Mid Post. (Fig. 17.6)

G: Make sure (171) Mid Post is flush to the edge of the floor boards and then attach (171) Mid Post to floor boards with 2 Corner Brackets as shown in fig. 17.6 and 17.7 using 3 (S13) #6 x 5/8” Pan Screws per bracket.



Inside Fort View
Fig. 17.6

Fig. 17.7

Hardware

12 x S13 #6 x 5/8” Pan Screw

Other Parts

4 x Corner Brackets

Step 17: Front Frame Assembly Part 4

H: Make sure (170) Left Lower Front and (172) Right Lower Front are level and then attach to (051) Floor Front Back with 2 (S15) #8 x 1-3/4" Wood Screws per board. (fig. 17.8 and 17.9)

I: Tighten all bolts in (170) Left Lower Front, (172) Right Lower Front and (173) Wall Support. (fig. 17.8)

Fig. 17.8

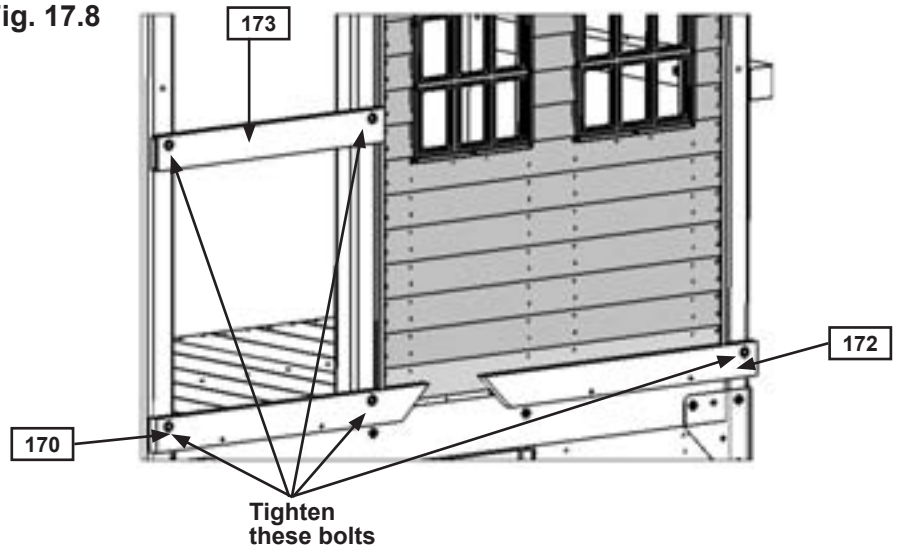
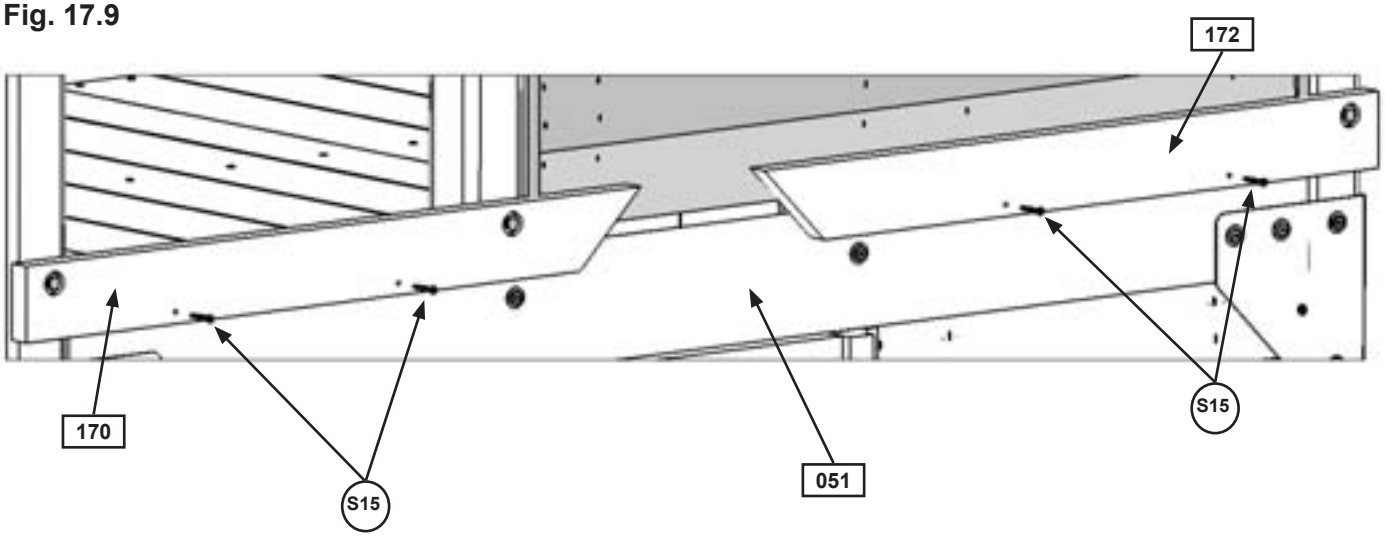


Fig. 17.9



Hardware

4 x (S15) #8 x 1-3/4" Wood Screw

Step 18: Roof Support Assembly

Note: Countersunk holes must face the same direction.

A: Attach 1 (180) Left Roof Support to 1 (181) Right Roof Support at peak using 1 (S4) #8 x 3" Wood Screw. (fig. 18.1)

B: Repeat Step A to have 2 complete Right and Left Roof Support Assemblies. One assembly will be used in Step 19. Set aside the other assembly for use in Step 22.

C: Attach (182) L Roof Support to (183) R Roof Support at peak using 1 (S4) #8 x 3" Wood Screw. Notice that (182) & (183) are the shorter of the support boards. (fig. 18.2)

Make sure Roof Supports are tight to each other.

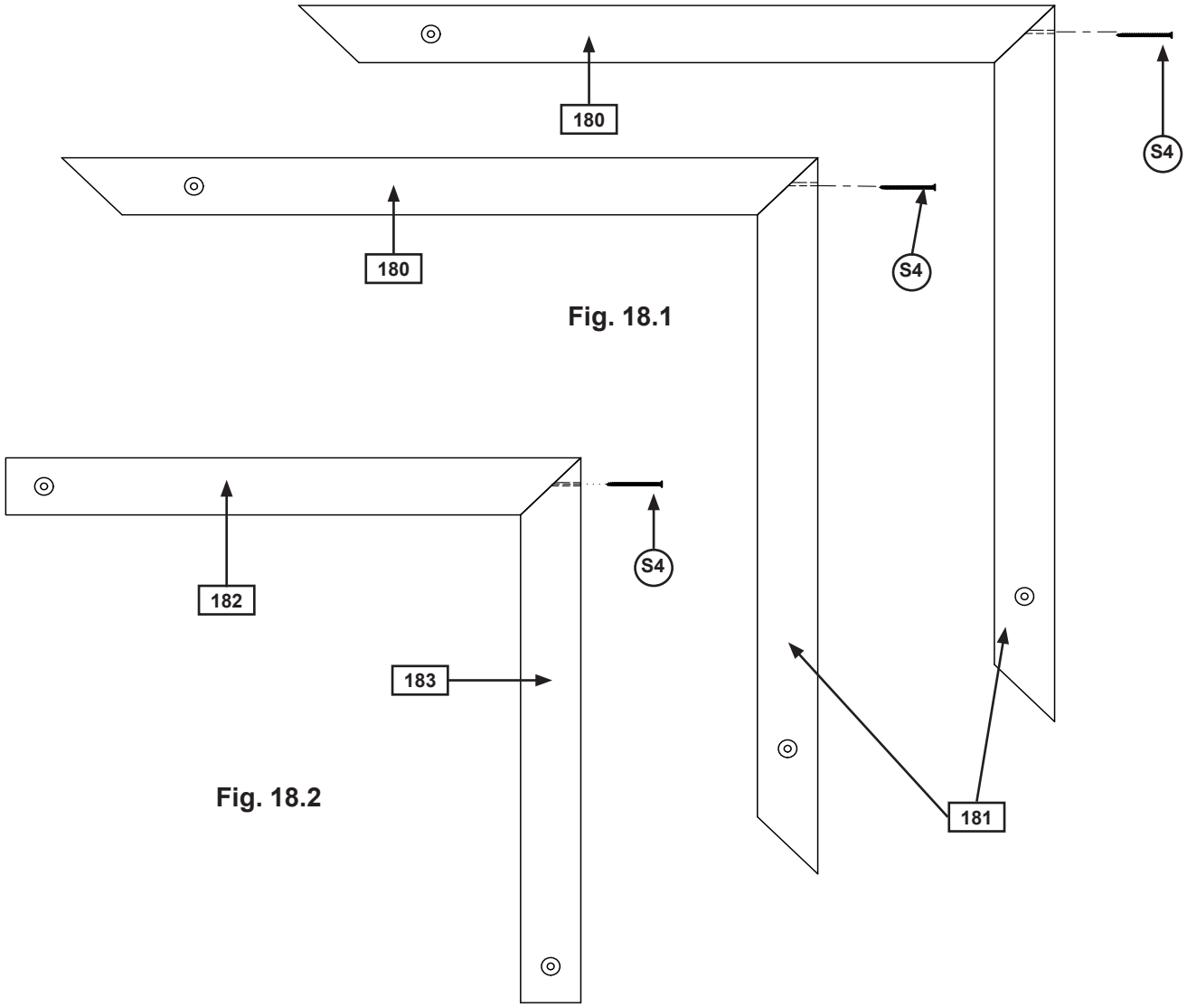


Fig. 18.1

Fig. 18.2

Wood Parts

- 2 x 180 Left Roof Support FSC 5/4 x 4 x 40-3/4"
- 2 x 181 Right Roof Support FSC 5/4 x 4 x 40-3/4"
- 1 x 182 L Roof Support FSC 5/4 x 4 x 31"
- 1 x 183 R Roof Support FSC 5/4 x 4 x 31"

Hardware

- 3 x S4 #8 x 3" Wood Screw

support@cedarsummitplay.com

Step 19: Attach Roof Support Assembly Part 1

Note: Countersunk holes must face towards the outside of the assembly.

A: On the outside of the assembly attach 1 (180) Left Roof Support to (171) Mid Post and 1 (181) Right Roof Support to (021) Post Long with 1 (G21) 5/16 x 3-3/4" Hex Bolt (with flat washer, lock washer and t-nut) per board. (fig. 19.1 and 19.2) ***Make sure to keep the bolts loose.***

B: On the outside of the posts attach (182) L Roof Support and (183) R Roof Support to the (031) Post Shorts with 1 (G21) 5/16 x 3-3/4" Hex Bolt (with flat washer, lock washer and t-nut) per board. (fig. 19.1 and 19.3) ***These bolts should be tightened.***

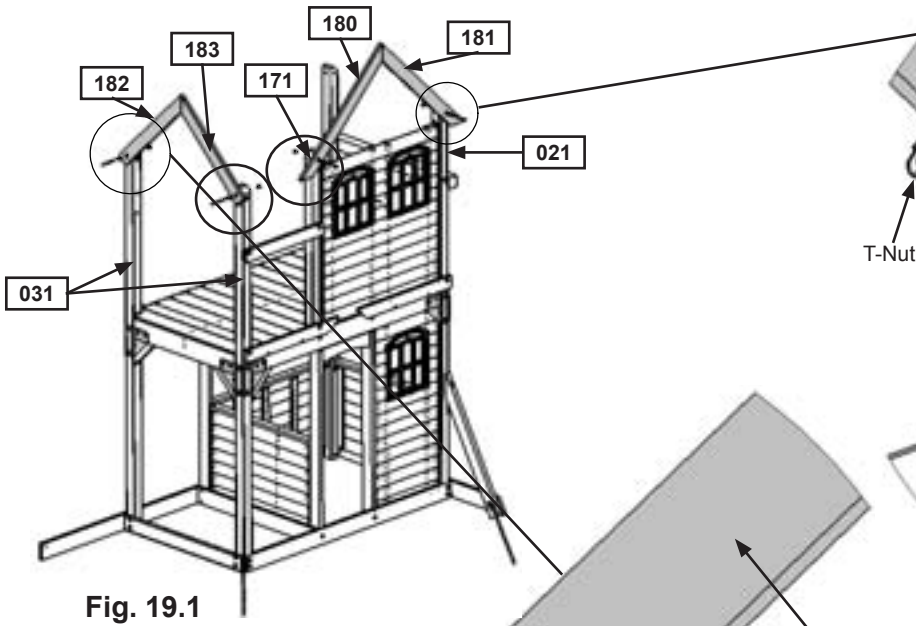


Fig. 19.1

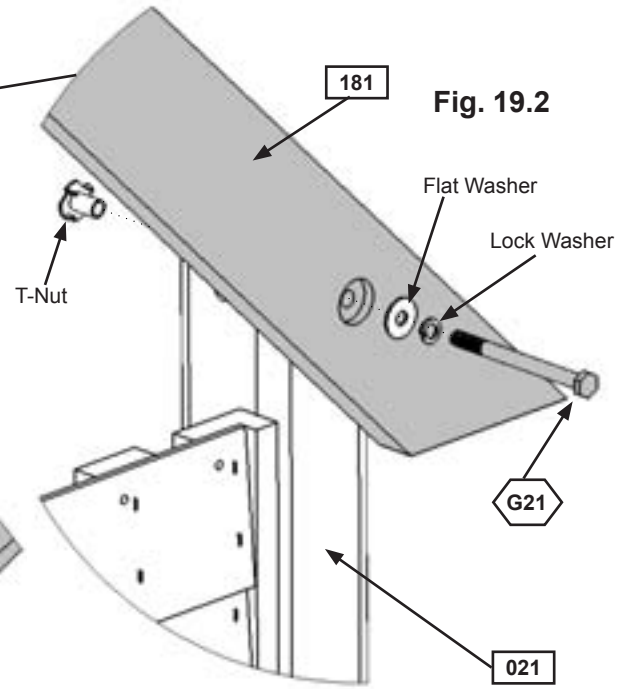


Fig. 19.2

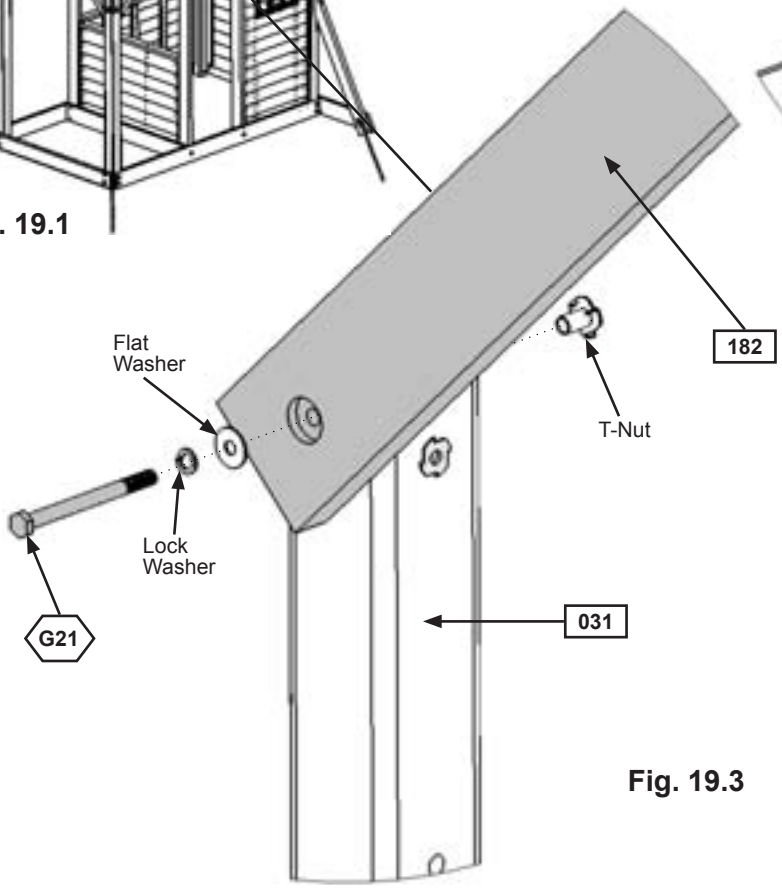


Fig. 19.3

Hardware

4 x G21 5/16 x 3-3/4" Hex Bolt
(5/16" lock washer, 5/16" flat washer & 5/16" t-nut)

Step 19: Attach Roof Support Assembly Part 2

C: Place (190) Lower Roof between (180) Left Roof Support and (181) Right Roof Support so the bottom of the Lower Roof is flush with the bottoms of each Roof Support. Attach (190) Lower Roof to each Post and each Roof Support with 4 (S3) #8 x 2-1/2" Wood Screws as shown in fig. 19.5 and 19.6

D: Tighten both bolts from Steps A. (fig. 19.5)

E: From outside of the assembly install 1 (WB7) 5/16 x 3" Wafer Bolt (with flat washer and t-nut) to (021) Post Long in the hole shown in fig. 19.5. ***This bolt does not attach to anything, but MUST be installed to minimize checking.***

Fig. 19.4

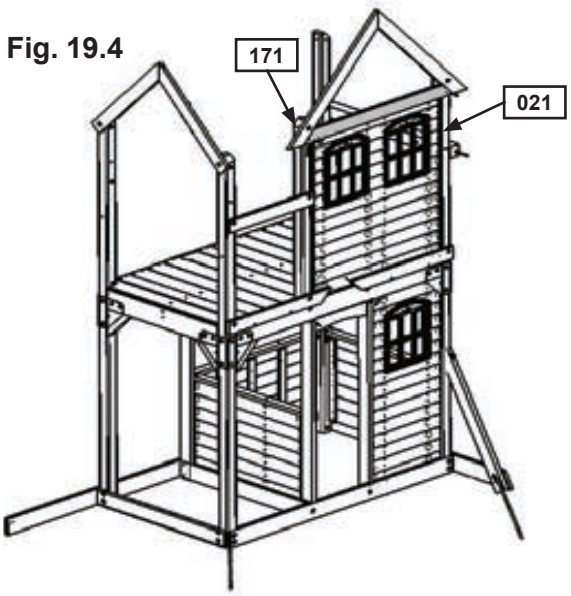


Fig. 19.5

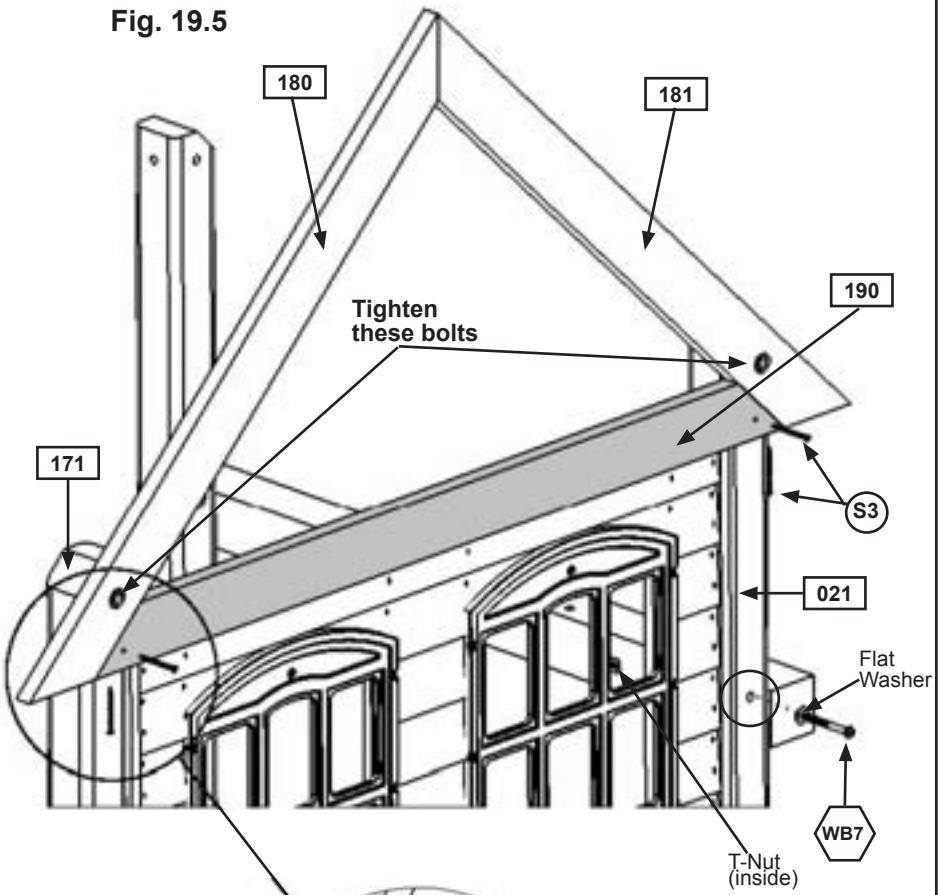
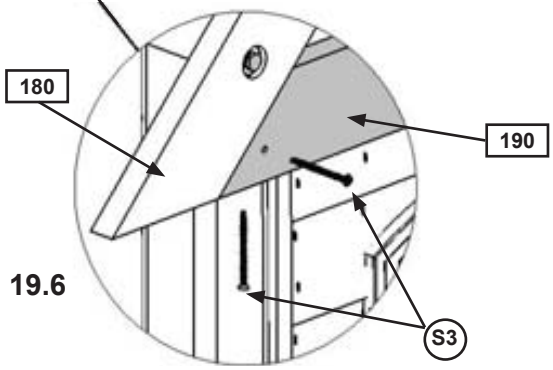


Fig. 19.6



Wood Parts

1 x [190] Lower Roof FSC 5/4 x 4 x 48-3/8"

Hardware

4 x (S3) #8 x 2-1/2" Wood Screw

1 x (WB7) 5/16 x 3" Wafer Bolt
(5/16" flat washer, 5/16" t-nut)

support@cedarsummitplay.com

Step 19: Attach Roof Support Assembly Part 3

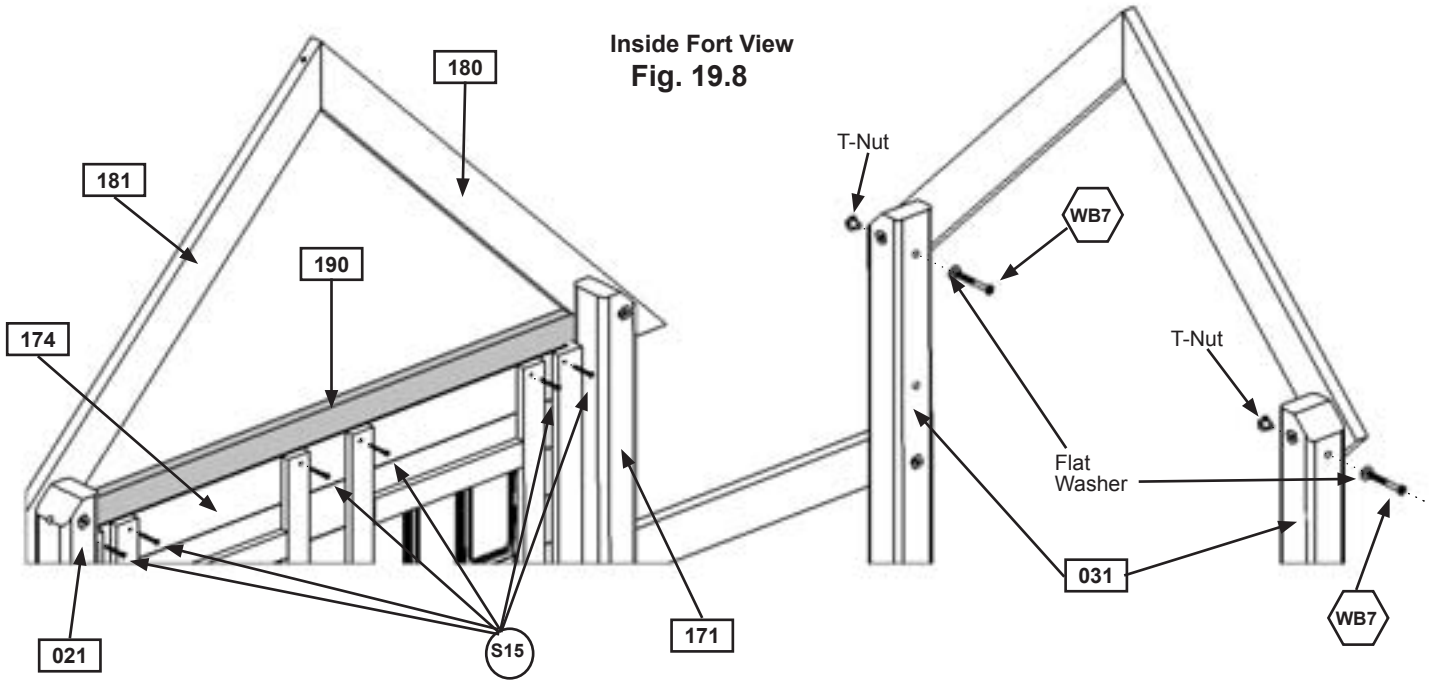
F: Install 1 (WB7) 5/16 x 3" Wafer Bolt (with flat washer and t-nut) to each (031) Post Short in the holes shown in fig. 19.8. ***These bolts do not attach to anything, but MUST be installed to minimize checking.***

G: From the inside of the assembly attach (174) Full Panel to (190) Lower Roof with 6 (S15) #8 x 1-3/4" Wood Screws as shown in fig. 19.8.

Fig. 19.7

Inside Fort View

Fig. 19.8



Hardware

6 x (S15) #8 x 1-3/4" Wood Screw

2 x (WB7) 5/16 x 3" Wafer Bolt (5/16" flat washer, 5/16" t-nut)

Step 20: Small Roof Assembly Part 1

A: Place 1 (202) Roof Block on (200) Roof Board A with angled edges facing up. Edge of (202) Roof Block to be flush with bevelled edge of (200) Roof Board A. Attach boards together with 1 (S20) #8 x 1-3/8" Wood Screw at bevelled edge side. Do not add a screw on the opposite end until Step C. (fig. 20.1 and 20.2)

B: Place 1 (202) Roof Block on (201) Roof Board B with angled edges facing up. Edge of (202) Roof Block to be flush with edges of (201) Roof Board B. Attach boards together with 2 (S20) #8 x 1-3/8" Wood Screws. (fig. 20.3 and 20.4)

C: Pre-drill pilot hole using a 1/8" drill bit and attach 1 (S3) #8 x 2-1/2" Wood Screw through (200) Roof Board A into both (202) Roof Blocks. (fig. 20.5)

Fig. 20.1

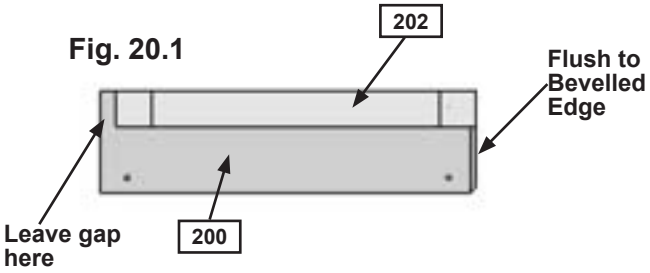


Fig. 20.2

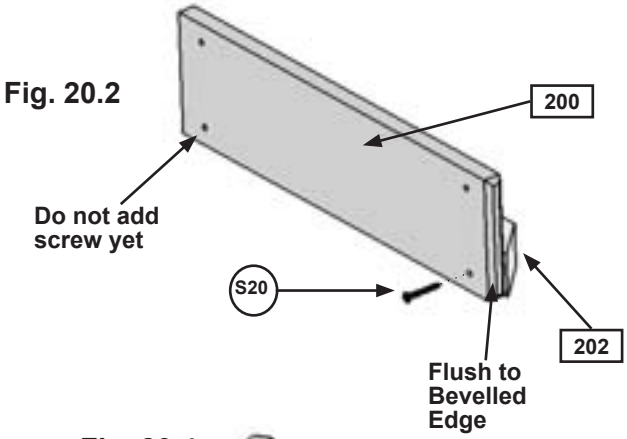


Fig. 20.3

Fig. 20.4

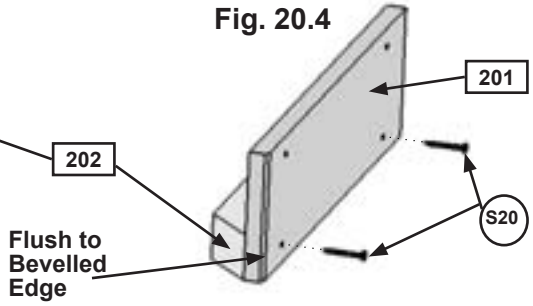
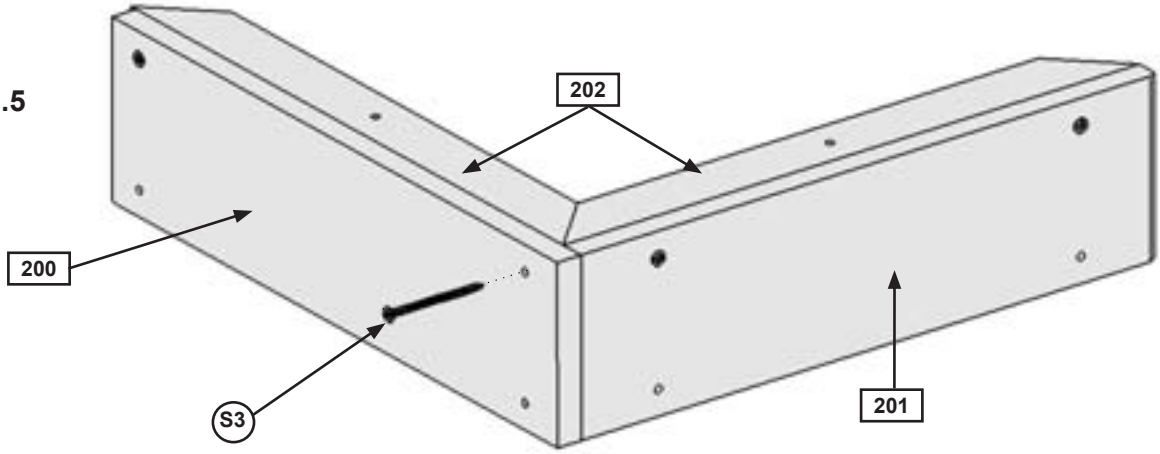


Fig. 20.5



Wood Parts

- 1 x 200 Roof Board A FSC 1 x 5 x 15-5/8"
- 1 x 201 Roof Board B FSC 1 x 5 x 15"
- 2 x 202 Roof Block FSC 2 x 2 x 15"

Hardware

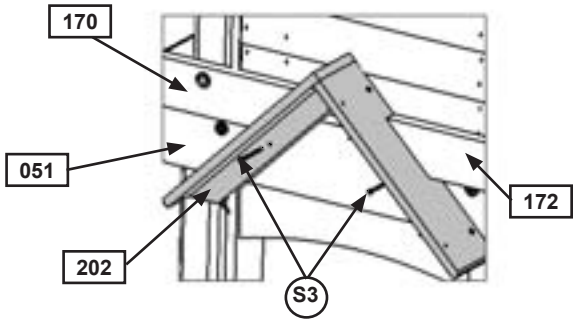
- 1 x S3 #8 x 2-1/2" Wood Screw
- 3 x S20 #8 x 1-3/8" Wood Screw

support@cedarsummitplay.com

Step 20: Small Roof Assembly Part 2

D: Above the opening for the door, in the space between (170) Left Lower Front and (172) Right Lower Front, through both (202) Roof Blocks, attach Small Roof Assembly to (051) Floor Front Back using 1 (S3) #8 x 2-1/2" Wood Screw per board as shown in fig. 20.6.

Fig. 20.6



E: Place Door Roof Grill on both (203) Roof Trims so the edges of the grill are flush to the outside and peak of each trim. The rounded edges of (203) Roof Trim are to be at the bottom of the grill assembly. Attach Door Roof Grill to (203) Roof Trim with 4 (S13) #6 x 5/8" Pan Screws as shown in fig. 20.7.

F: Pre-drill pilot holes with a 1/8" drill bit and place the Door Roof Grill Assembly from Step E to the underside of both (200) Roof Board A and (201) Roof Board B so (203) Roof Trims are tight to the roof boards, then attach using 3 (S20) #8 x 1-3/8" Wood Screws and 1 (S3) #8 x 2-1/2" Wood Screw as shown in fig. 20.8.

Fig. 20.7

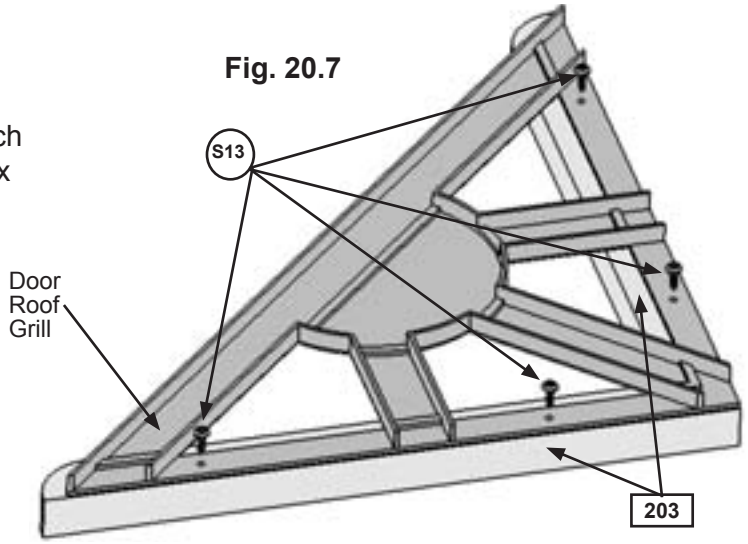


Fig. 20.9

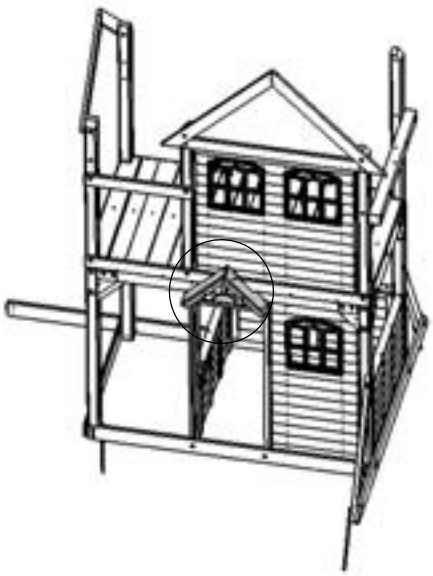
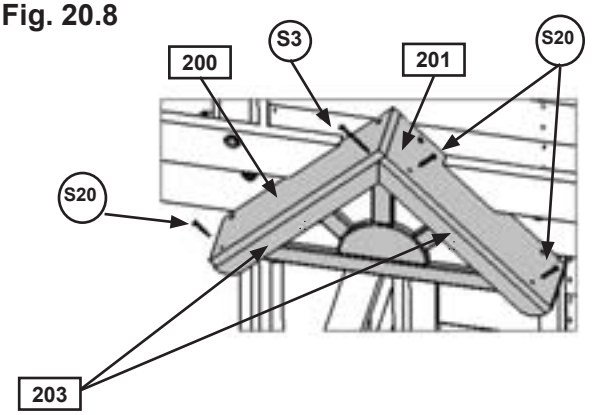


Fig. 20.8



Wood Parts

2 x [203] Roof Trim FSC 5/4 x 2 x 15"

Hardware

3 x (S3) #8 x 2-1/2" Wood Screw
4 x (S13) #6 x 5/8" Pan Screw
3 x (S20) #8 x 1-3/8" Wood Screw

Other Parts

1 x Door Roof Grill

support@cedarsummitplay.com

Step 21: Door Assembly Part 1

A: On the inside of (210) Door Panel Green, measure 16-1/4” up from the bottom and attach Catch Plate using 2 (S18) #6 x 1” Wood Screws. (fig. 21.1 and 21.2)

B: On the inside of (210) Door Panel Green above the Catch Plate attach 1 Door Handle using 2 (S13) #6 x 5/8” Pan Screws. (fig. 21.1 and 21.2)

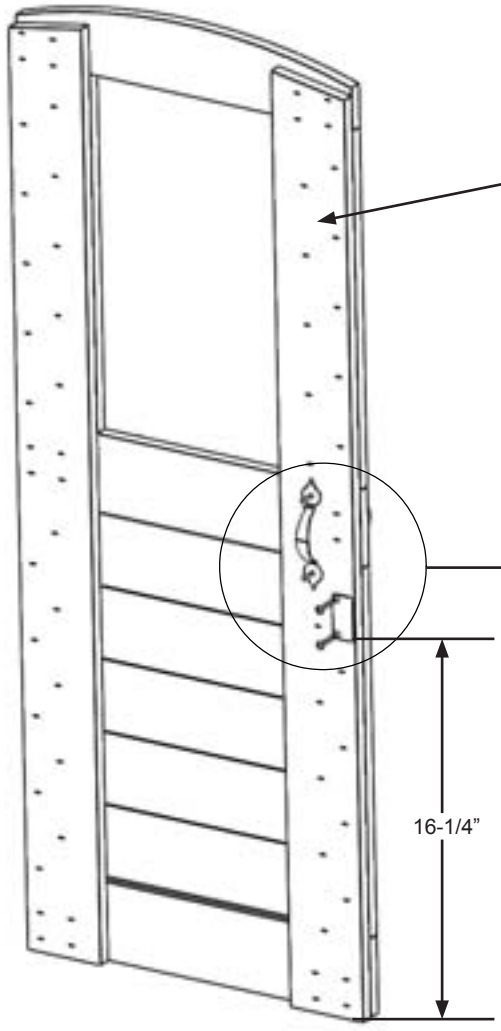


Fig. 21.1

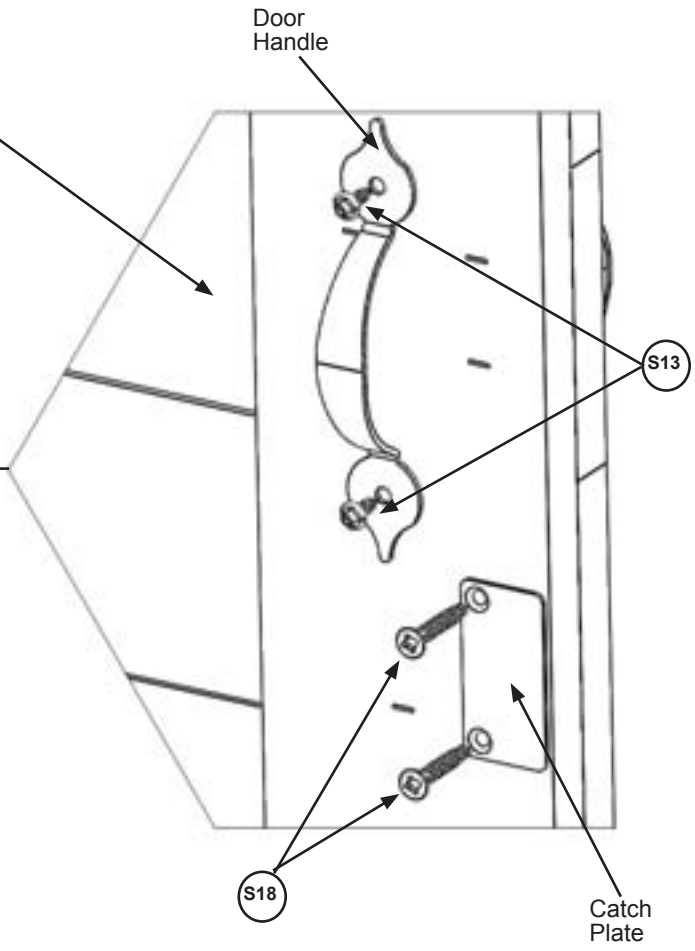


Fig. 21.2

Inside View

Wood Parts	Hardware	Other Parts
1x [210] Door Panel Green FSC 1-3/16 x 16-3/8 x 43-5/16”	2 x (S13) #6 x 5/8” Pan Screw	1 x Door Handle
	2 x (S18) #6 x 1” Wood Screw	1 x Catch Plate

support@cedarsummitplay.com

Step 21: Door Assembly Part 2

C: On the outside of the (210) Door Panel Green attach the second Door Handle at approximately the same place as the one on the inside. Use 2 (S13) #6 x 5/8" Pan Screws. (fig. 21.3 and 21.4)

D: In the window opening of (210) Door Panel Green insert Green Small Window from the outside and attach with 8 (S13) #6 x 5/8" Pan Screws. (fig. 21.4)

E: Attach 2 Door Hinges on the outside of the (210) Door Panel Green on the opposite side from the Door Handle. Judge spacing based on fig. 21.3. Use 3 (S13) # 6 x 5/8" Pan Screws per Hinge.

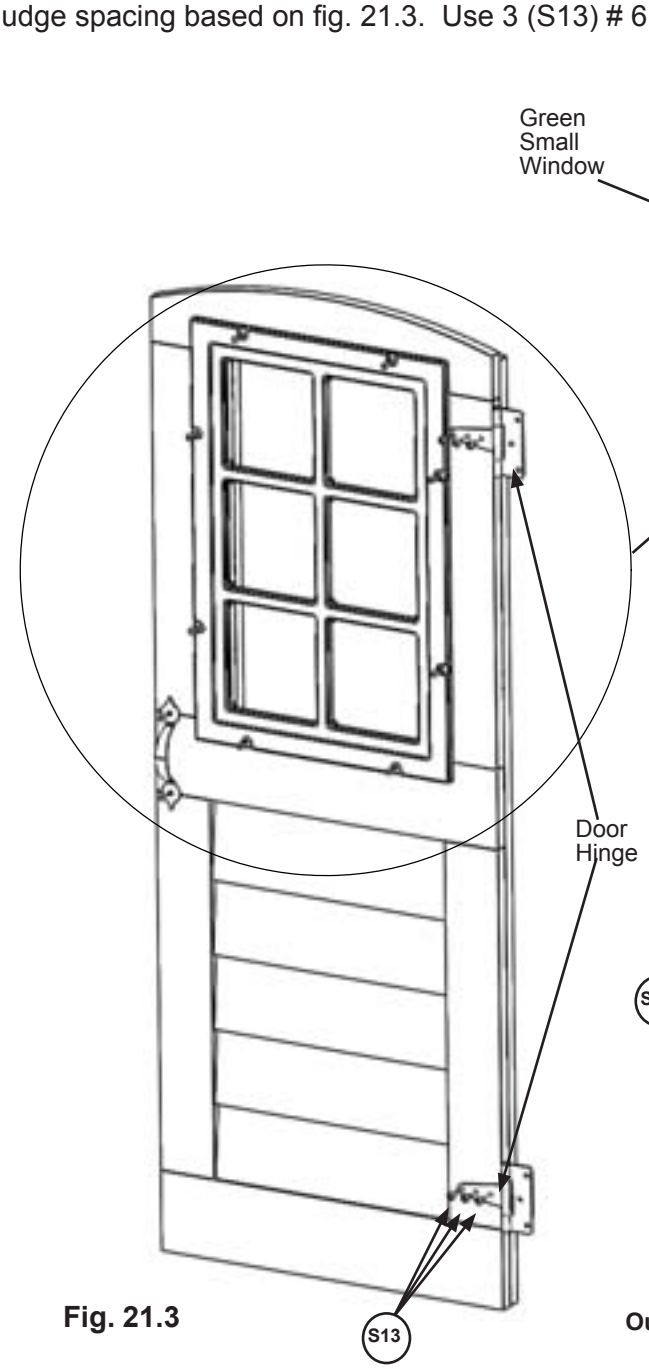


Fig. 21.3

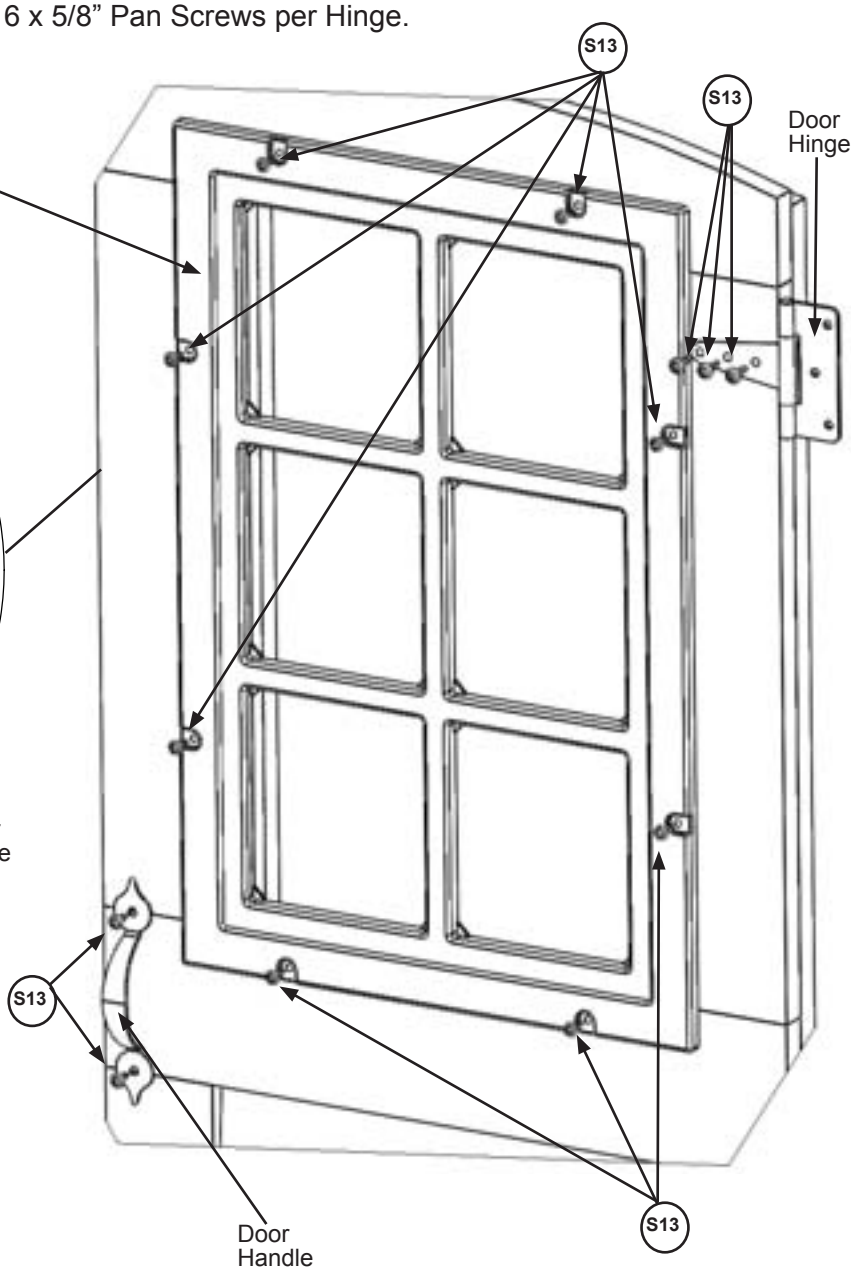


Fig. 21.4

Outside View

Hardware

16 x (S13) #6 x 5/8" Pan Screw

Other Parts

1 x Door Handle

1 x Green Small Window

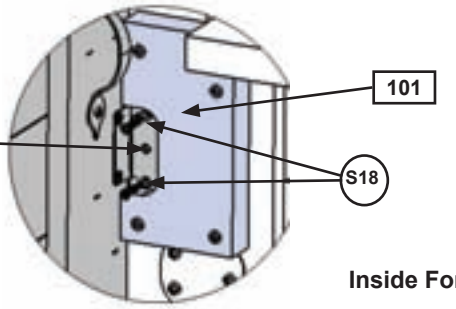
2 x Door Hinges

Step 21: Door Assembly Part 3

F: In the notched out opening of (101) Door Stop from Step 10 Part 2, attach the Magnetic Catch using 2 (S18) #6 x 1" Wood Screws. (fig. 21.5) **Important: Use a hand held screw driver and DO NOT over tighten.**

G: In the opening for the door between both (062) Post Lowers, measure 5/8" from the top of (060) Ground Front and 5/8" from (062) Post Lower on the Door Hinge side and attach the remaining side of the hinges to (062) Post Lower using 3 (S13) #6 x 5/8" Pan Screws per hinge. (fig. 21.6 and 21.7)

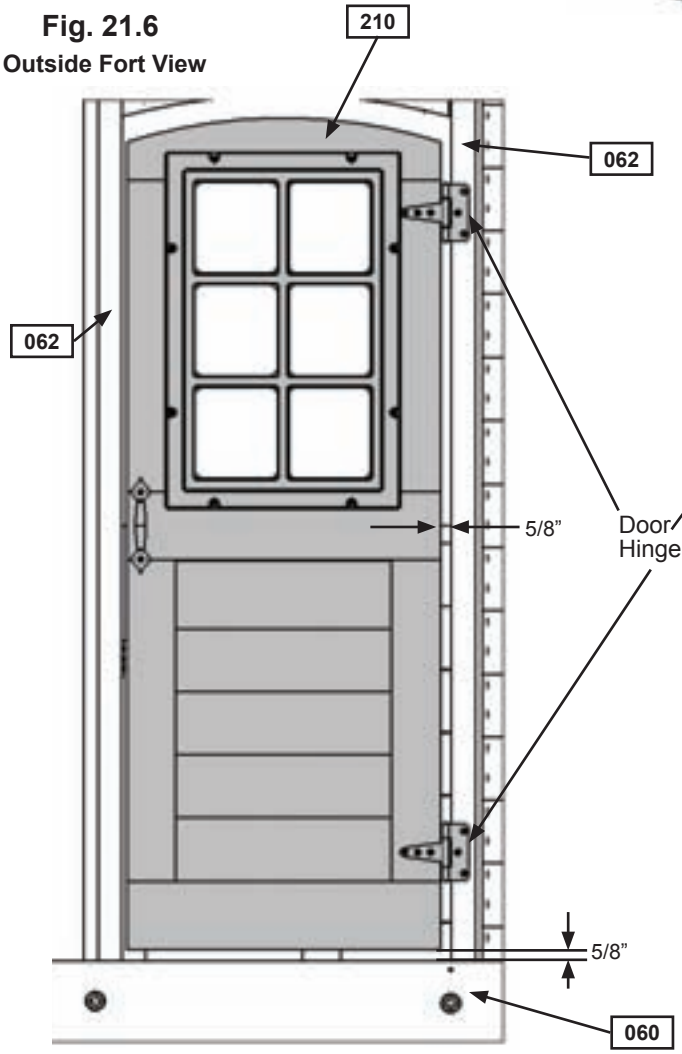
Fig. 21.5



Inside Fort View

Fig. 21.6

Outside Fort View



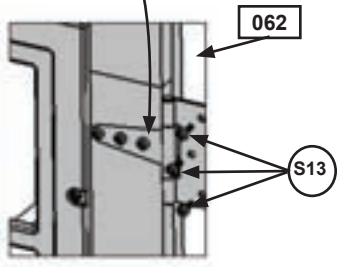


Fig. 21.7

WARNING! TO ENSURE SAFTY ALLOWANCE DOOR MUST BE SPACED AS SHOWN!

Hardware

6 x (S13) #6 x 5/8" Pan Screw
2 x (S18) #6 x 1" Wood Screw

Other Parts

1 x Magnetic Catch

support@cedarsummitplay.com

Step 22: Back Frame Assembly Part 1

A: Keeping the bolts loose, attach (220) Top Back to (021) Post Long and (031) Post Short using 1 (G21) 5/16 x 3-3/4" Hex Bolt (with flat washer, lock washer and t-nut) per side in the top holes. Arch to be on Post Long side. (fig. 22.1, 22.2 and 22.3)

B: Attach (220) Top Back to (171) Mid Post with the angled edge facing (031) Post Short using 1 (G21) 5/16 x 3-3/4" Hex Bolt (with flat washer, lock washer and t-nut) in the top hole. **Keep this bolt loose.** (fig. 22.2)

C: Attach (221) Long Lower Wall to (171) Mid Post and (031) Post Short using 2 (G21) 5/16 x 3-3/4" Hex Bolts (with flat washer, lock washer and t-nut). The notched out end should be on the Mid Post end and facing down. **Keep these bolts loose.** (fig. 22.2)

D: Attach (222) Short Lower Wall to (021) Post Long using 1 (G21) 5/16 x 3-3/4" Hex Bolt (with flat washer, lock washer and t-nut). The notched out end should be facing down and inwards. **Keep this bolt loose.** (fig. 22.2)

Fig. 22.1

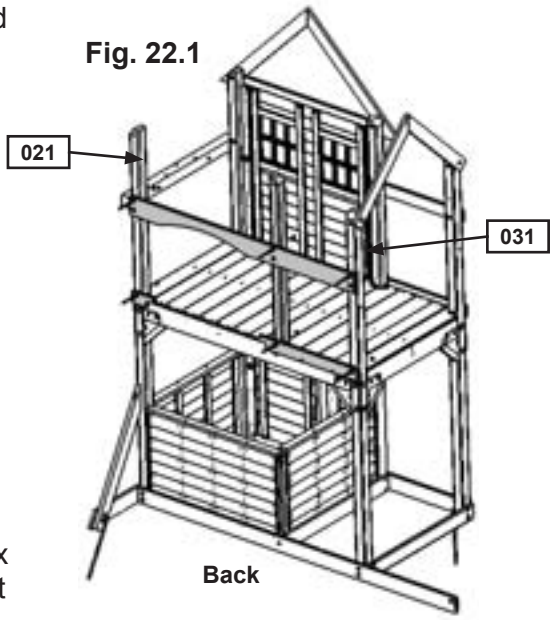


Fig. 22.3

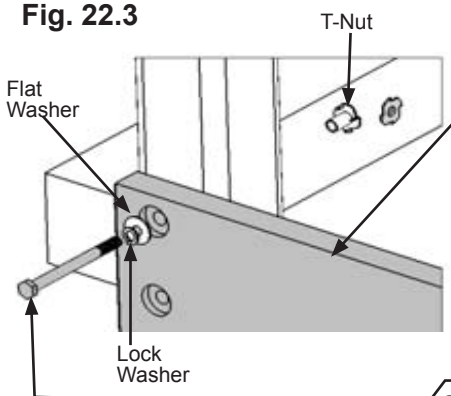
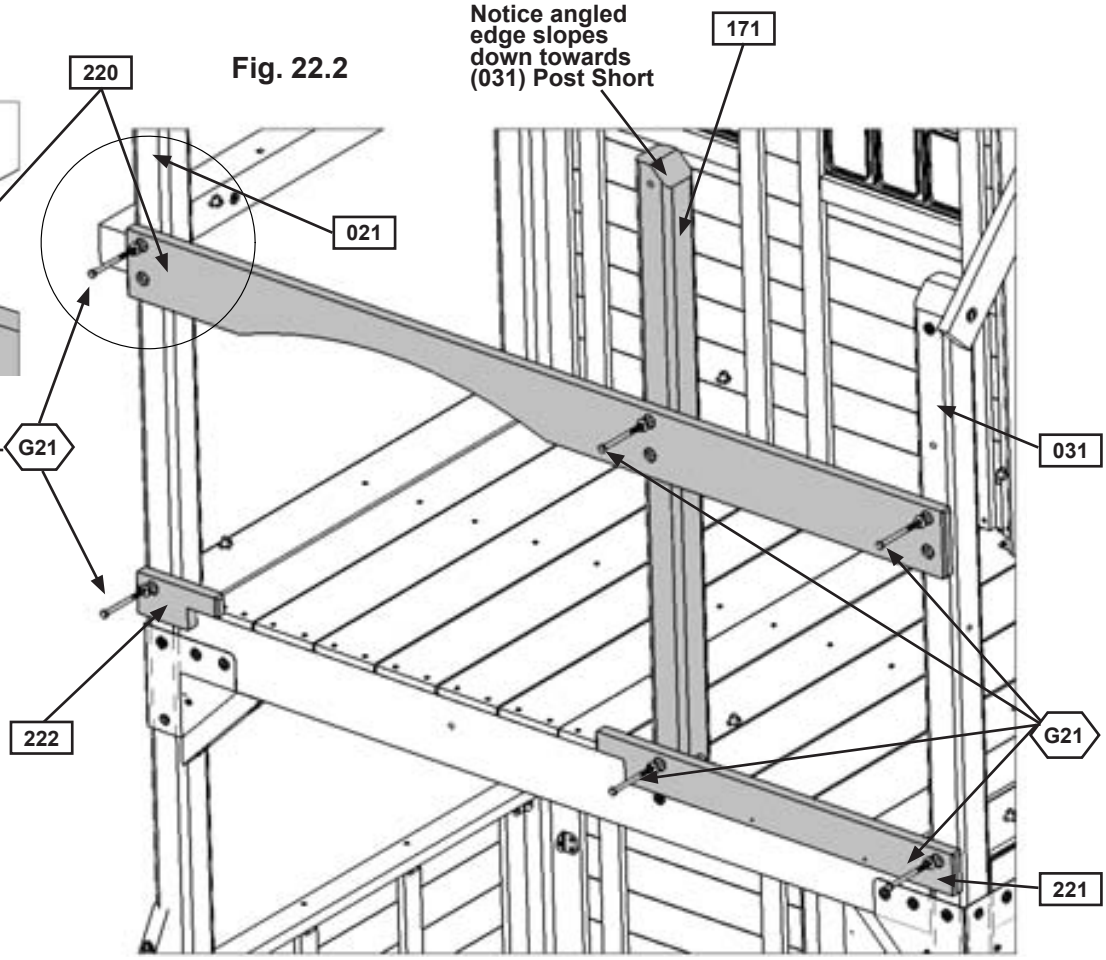


Fig. 22.2



Wood Parts

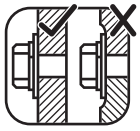
- 1 x 220 Top Back FSC 5/4 x 6 x 72-5/8"
- 1 x 171 Mid Post FSC 4 x 4 x 47"
- 1 x 221 Long Lower Wall FSC 5/4 x 4 x 31-7/8"
- 1 x 222 Short Lower Wall FSC 5/4 x 4 x 7-1/4"

Hardware

- 6 x G21 5/16 x 3-3/4" Hex Bolt (5/16" lock washer, 5/16" flat washer & 5/16" t-nut)

support@cedarsummitplay.com

Step 22: Back Frame Assembly Part 2



E: Make sure (171) Mid Post is flush to the edge of the floor boards and then attach (171) Mid Post to floor boards with 2 Corner Brackets as shown in fig. 22.4 using 3 (S13) #6 x 5/8" Pan Screws per bracket.

F: Make sure distance between the notched out edges of (221) Long Lower Wall and (222) Short Lower Wall measures 38-7/8" as shown in fig. 22.5.

G: Make sure all boards are level and then tighten all bolts in (220) Top Back, (221) Long Lower Wall and (222) Short Lower Wall. (fig. 22.5)

Fig. 22.6

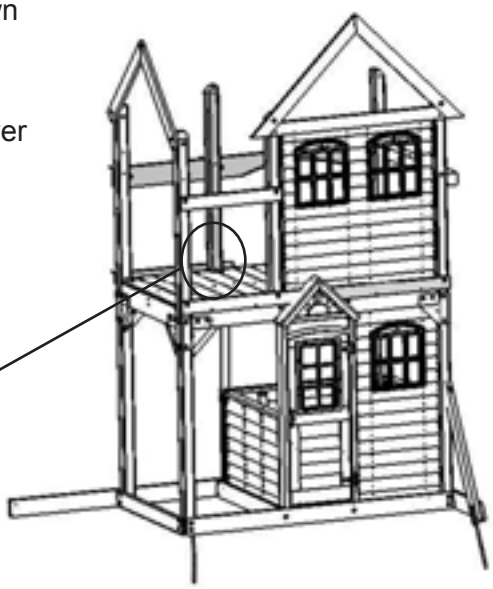


Fig. 22.4

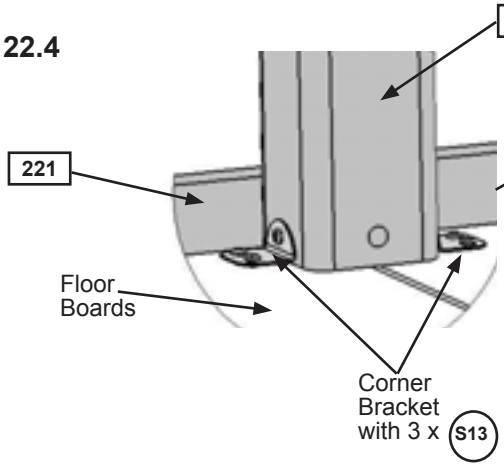
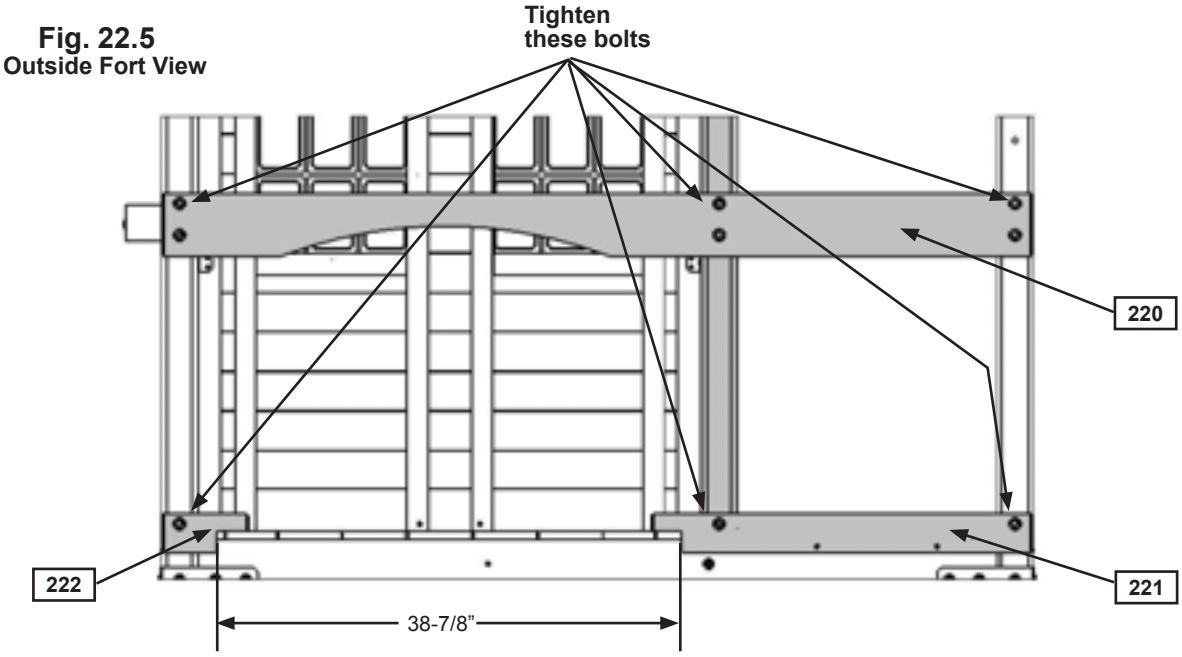


Fig. 22.5
Outside Fort View



Hardware

6 x (S13) #6 x 5/8" Pan Screw

Other Parts

2 x Corner Brackets

Step 22: Back Frame Assembly Part 3

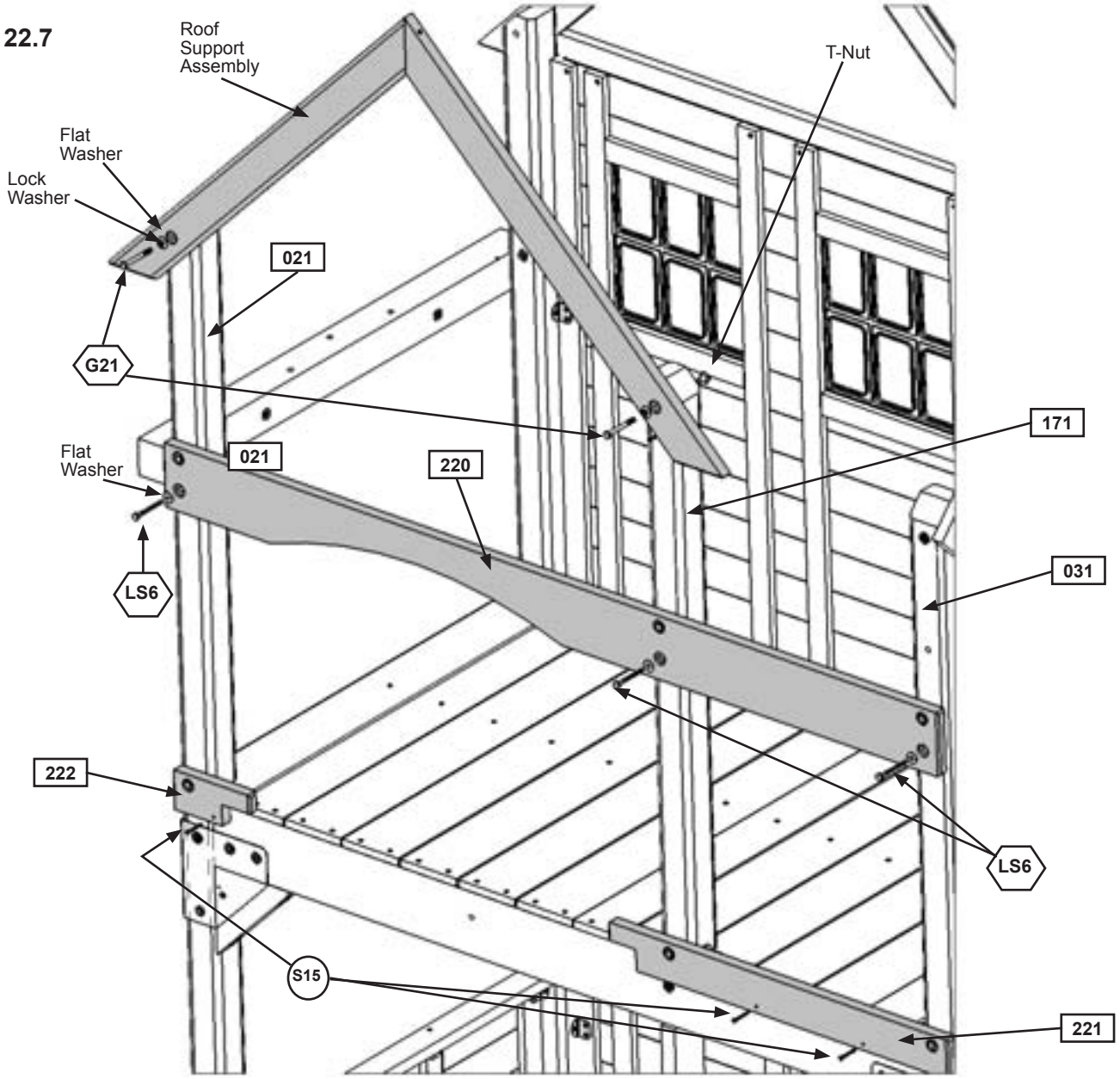
Pre-drill holes using a 1/8" drill bit before installing the lag screws.

G: In the remaining holes attach (220) Top Back to Posts using 3 (LS6) 5/16 x 3" Lag Screws (with flat washer). (fig. 22.7)

H: Attach (221) Long Lower Wall and (222) Short Lower Wall to (051) Floor Front Back with 3 (S15) #8 x 1-3/4" Wood Screws. (fig. 22.7)

I: Attach the second Roof Support Assembly from Step 18 to (021) Post Long and (171) Mid Post with 1 (G21) 5/16 x 3-3/4" Hex Bolt (with flat washer, lock washer and t-nut) per post. (fig. 22.7)

Fig. 22.7



Wood Parts

1 x Roof Assembly from Step 18

Hardware

3 x (S15) #8 x 1-3/4" Wood Screw

2 x (G21) 5/16 x 3-3/4" Hex Bolt (5/16" lock washer, 5/16" flat washer & 5/16" t-nut)

3 x (LS6) 5/16 x 3" Lag Screw (5/16" flat washer)

support@cedarsummitplay.com

Step 22: Back Frame Assembly Part 4

J: Place (190) Lower Roof between (180) Left Roof Support and (181) Right Roof Support so the bottom of the Lower Roof is flush with the bottoms of each Roof Support. Attach (190) Lower Roof to each Post and each Roof Support with 4 (S3) #8 x 2-1/2" Wood Screws as shown in fig. 22.8 and 22.9

Fig. 22.8

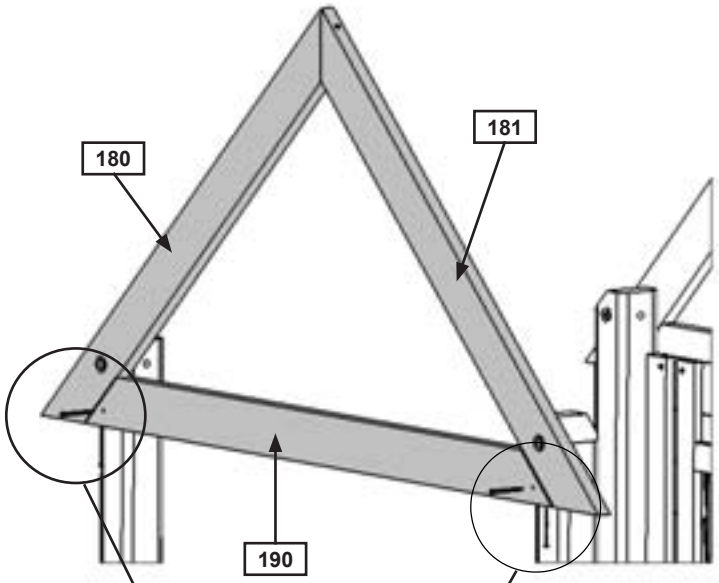
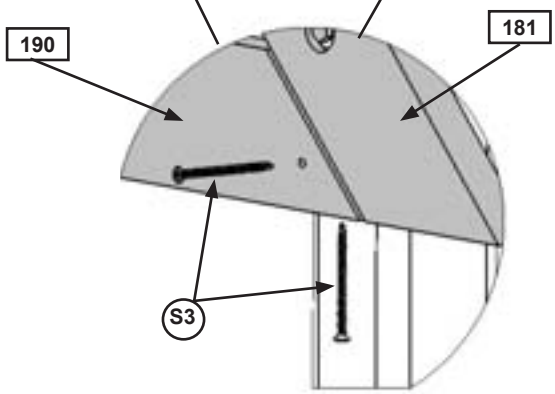


Fig. 22.9



Wood Parts

1 x [190] Lower Roof FSC 5/4 x 4 x 48-3/8"

Hardware

4 x (S3) #8 x 2-1/2" Wood Screw

Step 23: Rope Wall Assembly Part 1

A: From the inside of the fort measure 1-1/2” down from top of (190) Lower Roof and 21” in from inside edge of (021) Post Long on the back side. With the cut out at the bottom and facing (171) Mid Post attach (230) Rope Wall Board to (190) Lower Roof and (220) Top Back with 4 (S20) #8 x 1-3/8” Wood Screws. (fig. 23.2)

B: Tight to both (021) Post Long and (171) Mid Post and tight to the floor boards attach (231) Wall Boards to (190) Top Back, (220) Lower Roof and (221) Long Lower Wall/ (222) Short Lower Wall on the inside of the fort with 6 (S20) #8 x 1-3/8” Wood Screws per board. Notice the hole locations are towards the bottom of the boards. (fig. 23.2)

C: From the outside of the fort place 1 (232) Window Spacer flush to the inside edges of (230) Rope Wall Board and (231) Wall Board. Attach from the inside of the fort with 3 (S20) #8 x 1-3/8” Wood Screws per spacer. (fig. 23.2 and 23.3)

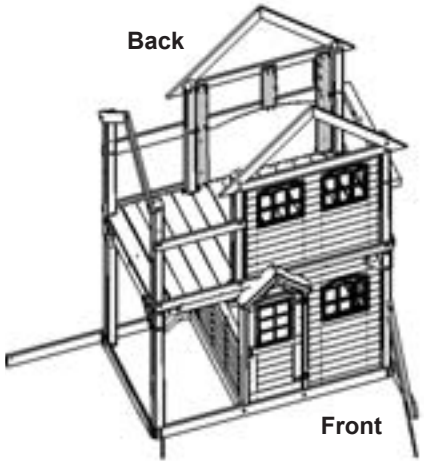


Fig. 23.1

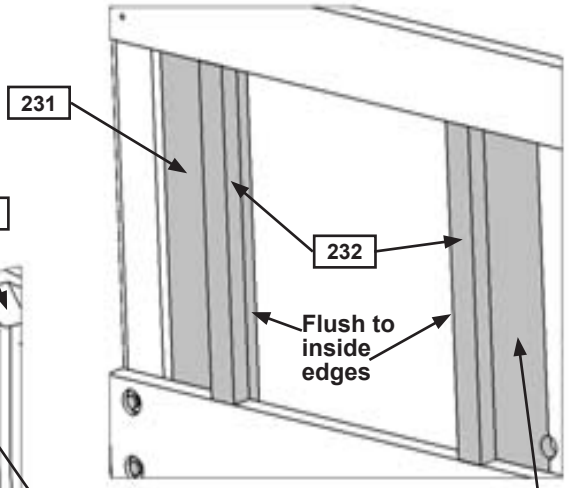


Fig. 23.3
Outside Fort View

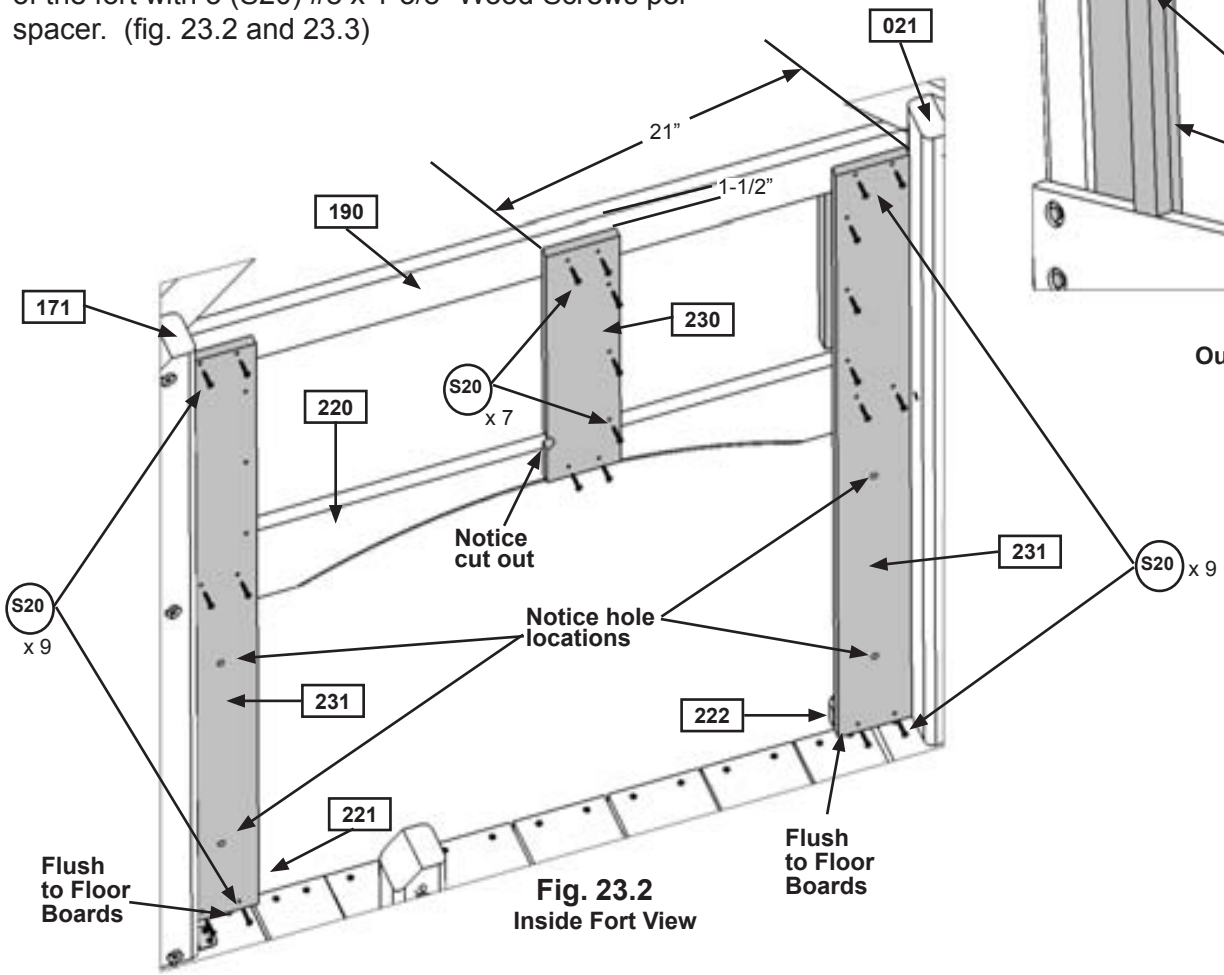


Fig. 23.2
Inside Fort View

Wood Parts

- 1 x 230 Rope Wall Board FSC 1 x 5 x 17-1/2”
- 2 x 231 Wall Board FSC 1 x 5 x 43-1/2”
- 2 x 232 Window Spacer FSC 5/4 x 2 x 13-1/4”

Hardware

- 22 x S20 #8 x 1-3/8” Wood Screw

support@cedarsummitplay.com

Step 23: Rope Wall Assembly Part 2

D: Tight to the first (230) Rope Wall Board attach a second (230) Rope Wall Board to (190) Lower Roof and (220) Top Back with 4 (S20) #8 x 1-3/8" Wood Screws. Make sure the top of each Rope Wall Board are flush and the cut outs form a perfect hole. (fig. 23.4)

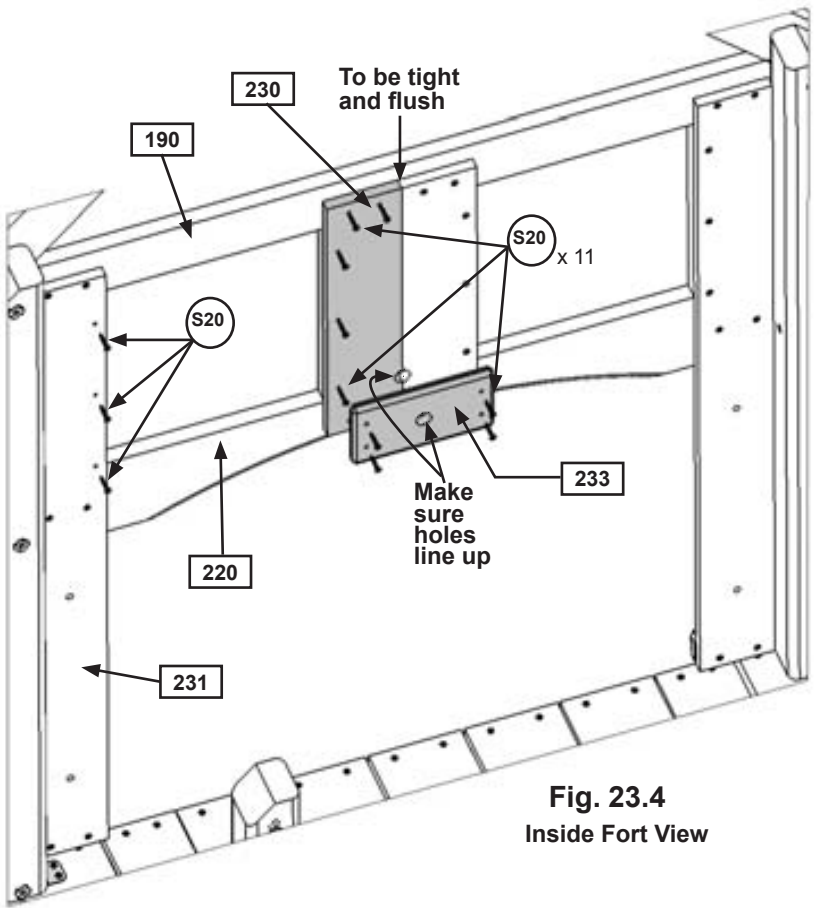


Fig. 23.4
Inside Fort View

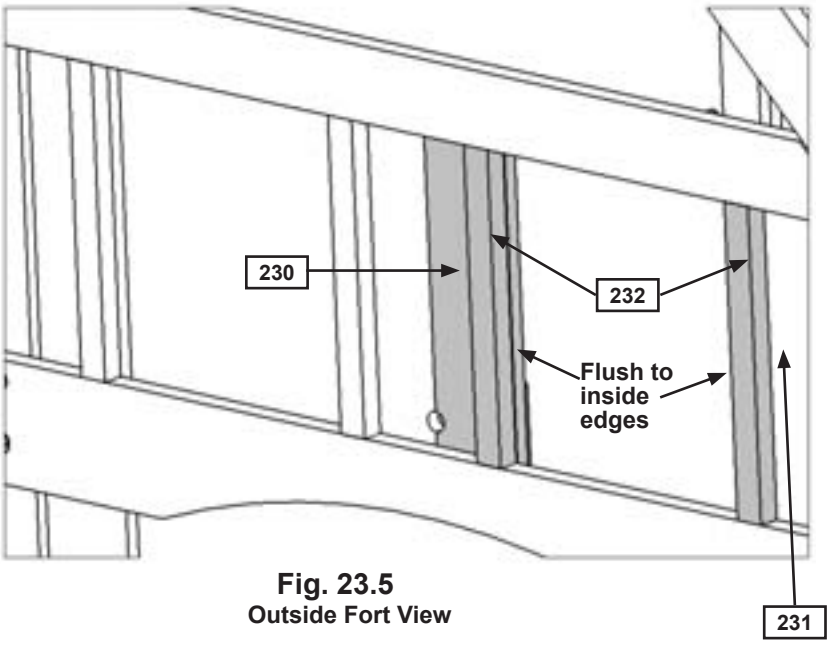


Fig. 23.5
Outside Fort View

E: From the outside of the fort place 1 (232) Window Spacer flush to the inside edge of both (230) Rope Wall Board and (231) Wall Board and attach from the inside of the fort with 3 (S20) #8 x 1-3/8" Wood Screws per spacer. (fig. 23.4 and 23.5)

F: Place (233) Rope Support over both (230) Rope Wall Boards so the holes line up then attach with 4 (S20) #8 x 1-3/8" Wood Screws. (fig. 23.4)

Wood Parts

- 1 x 230 Rope Wall Board FSC 1 x 5 x 17-1/2"
- 2 x 232 Window Spacer FSC 5/4 x 2 x 13-1/4"
- 1 x 233 Rope Support FSC 1 x 5 x 8"

Hardware

- 14 x S20 #8 x 1-3/8" Wood Screw

support@cedarsummitplay.com

Step 24: Attach Windows and Hand Grips

A: On the Back Wall of the fort install 2 Six-Pane Arch Windows from the outside to (190) Lower Roof, (232) Window Spacers and (220) Top Back using 8 (S16) #6 x 1" Pan Screws per window as shown in fig. 24.2 and 24.3.

B: Attach 1 Hand Grip to each (231) Wall Board in the open holes using 2 (PB1) 1/4 x 3/4" Pan Bolt (with flat washer, lock washer and t-nut) as shown in fig. 24.2 and 24.4.

Fig. 24.1

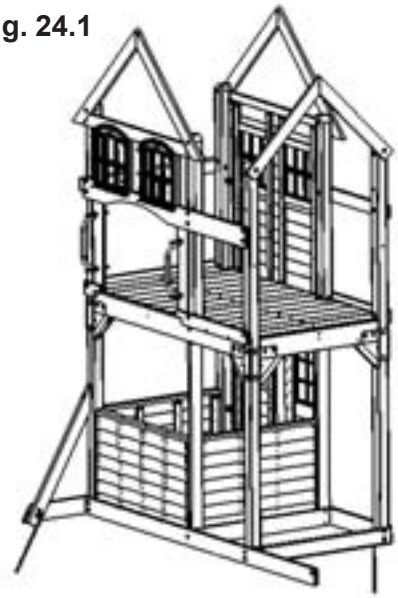


Fig. 24.3

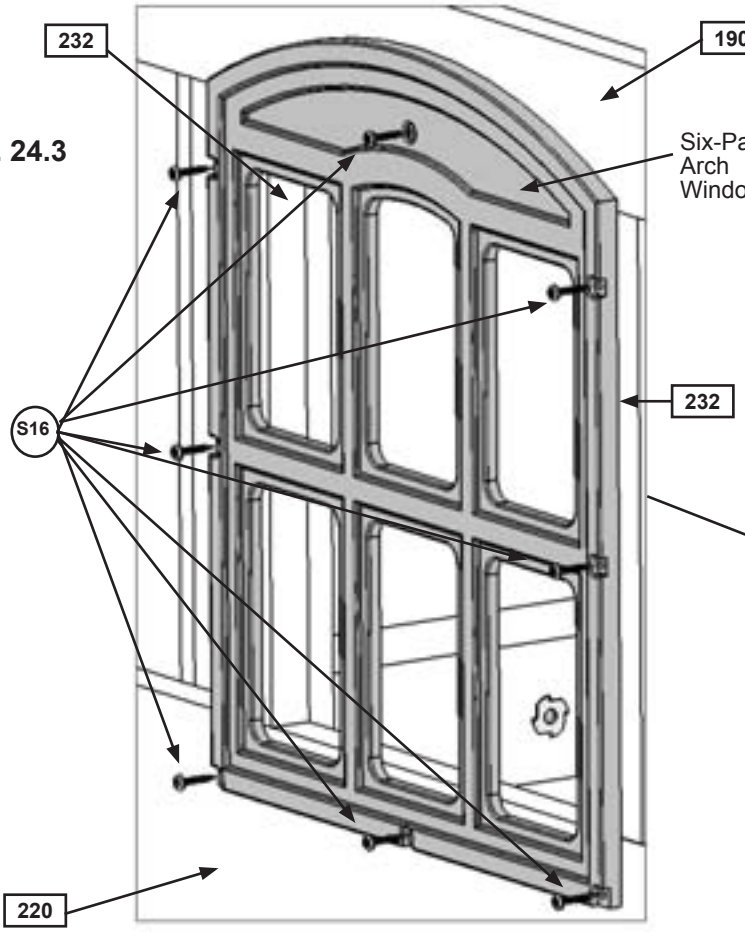
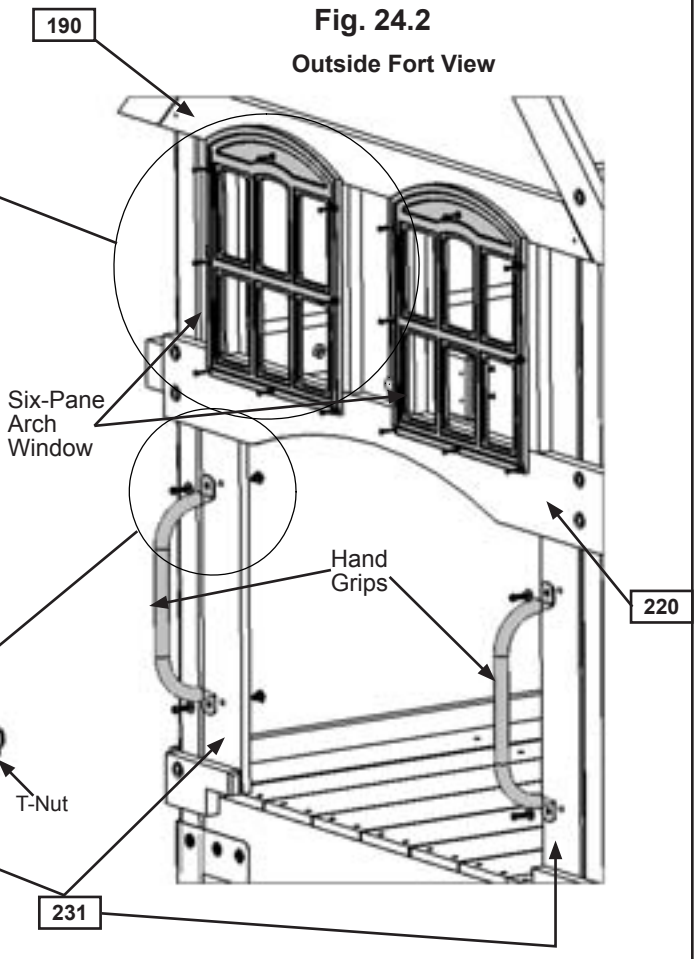


Fig. 24.2

Outside Fort View



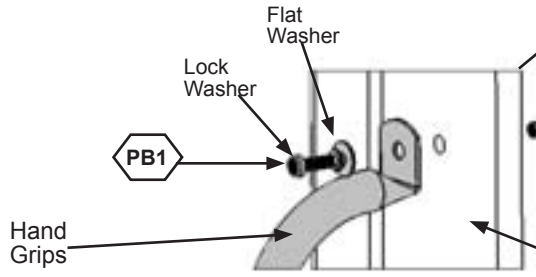


Fig. 24.4

Hardware

16 x (S16) **#6 x1" Pan Screw**

4 x (PB1) **1/4 x 3/4" Pan Bolt (1/4" lock washer, 1/4" flat washer & 1/4" t-nut)**

Other Parts

2 x Six-Pane Arch Windows

2 x Hand Grips

support@cedarsummitplay.com

Step 25: Attach Access Ladder Rockwall Assembly

Pre-drill all holes using a 1/8" drill bit before installing the Wafer Lags

A: Remove (016) Access Board from the Access Ladder Rockwall, previously assembled in Step 1. Set the board and screws aside, they will be re-attached. (fig. 25.3)

B: Place the Access Ladder Rockwall tight in the notched out area of (221) Long Lower Wall and (222) Short Lower Wall and attach to (051) Floor Front Back with 1 (WL3) 1/4 x 1-3/8" Wafer Lag Screw (with flat washer) in each Swing Brackets. (fig. 25.3 and 25.2).

C: Re-attach (016) Access Board to the same place it was removed.

Fig. 25.1

Back

Fig. 25.2

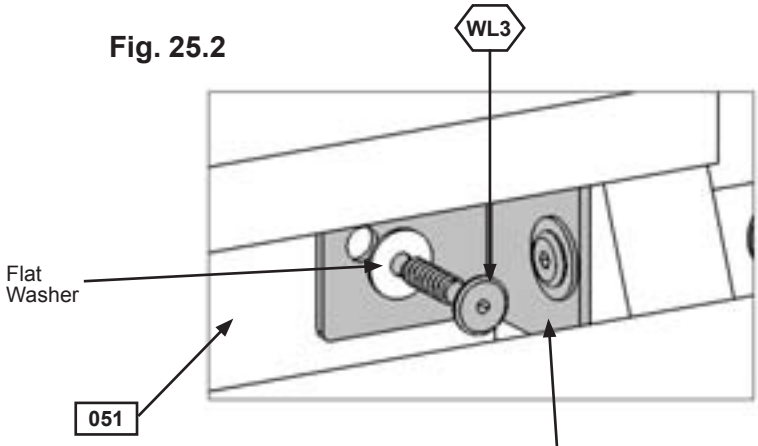
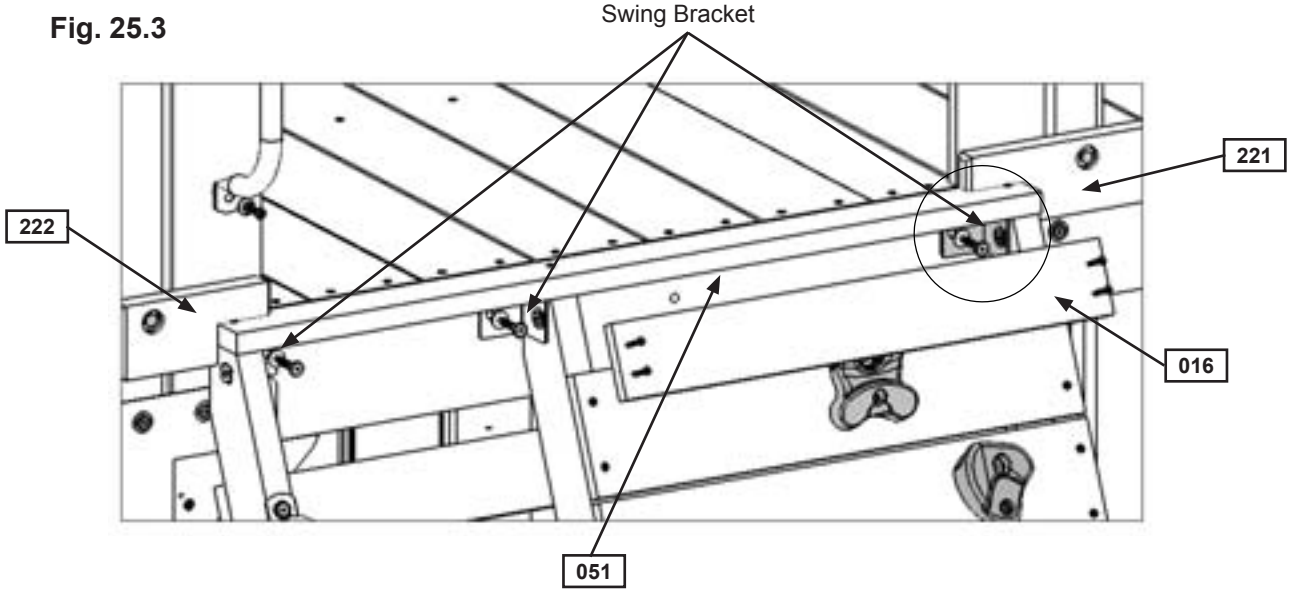


Fig. 25.3



Wood Parts

1 x Access Ladder Rockwall Assembly from Step 1

Hardware

3 x (WL3) 1/4 x 1-3/8" Wafer Lag (1/4" flat washer)

Step 26: Attach Climbing Rope

A: Tie a double knot in one end of the rope, then from the inside of the fort feed the rope through the hole in (233) Rope Support. (fig. 26.1)

B: Tie 3 single knots evenly spaced in the rope.

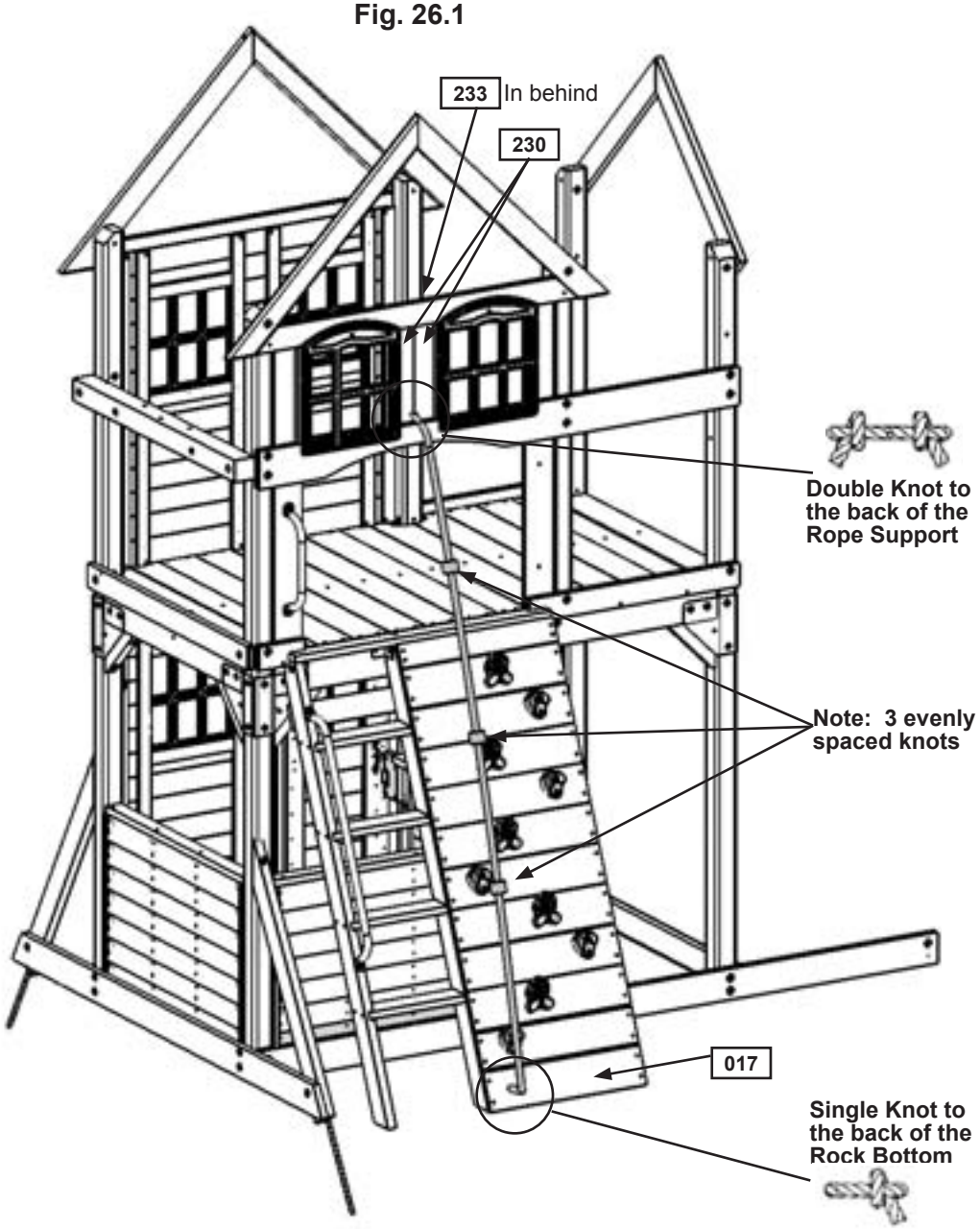
C: Feed rope through the hole in (017) Rock Bottom and pull tight.

D: Remove (017) Rock Bottom to tie off the rope securely with a single knot (fig. 26.1)

E: Re-attach (017) Rock Bottom to Rock Wall Assembly.

IMPORTANT: MAKE SURE THE ROPE IS TIGHT

Fig. 26.1



Other Parts

1 x 12' Climbing Rope

Step 27: Swing Wall Assembly

Pre-drill all holes using a 1/8" drill bit before installing the lag screws.

A: Measure 13" up from top of (160) SW Wall and attach (270) SW Top to both (021) Post Long using 4 (LS6) 5-16 x 3" Lag Screws (with flat washer). (fig. 27.2)

B: Flush to the tops of (172) Right Lower Front and (222) Short Lower Wall attach (271) SW Wall Support to each (021) Post Long with 2 (LS6) 5/16 x 3" Lag Screws (with flat washer. (fig. 27.2)

Fig. 27.1

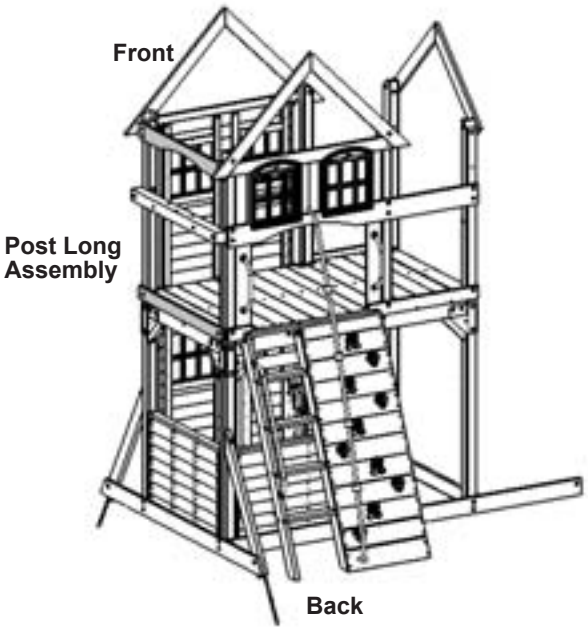
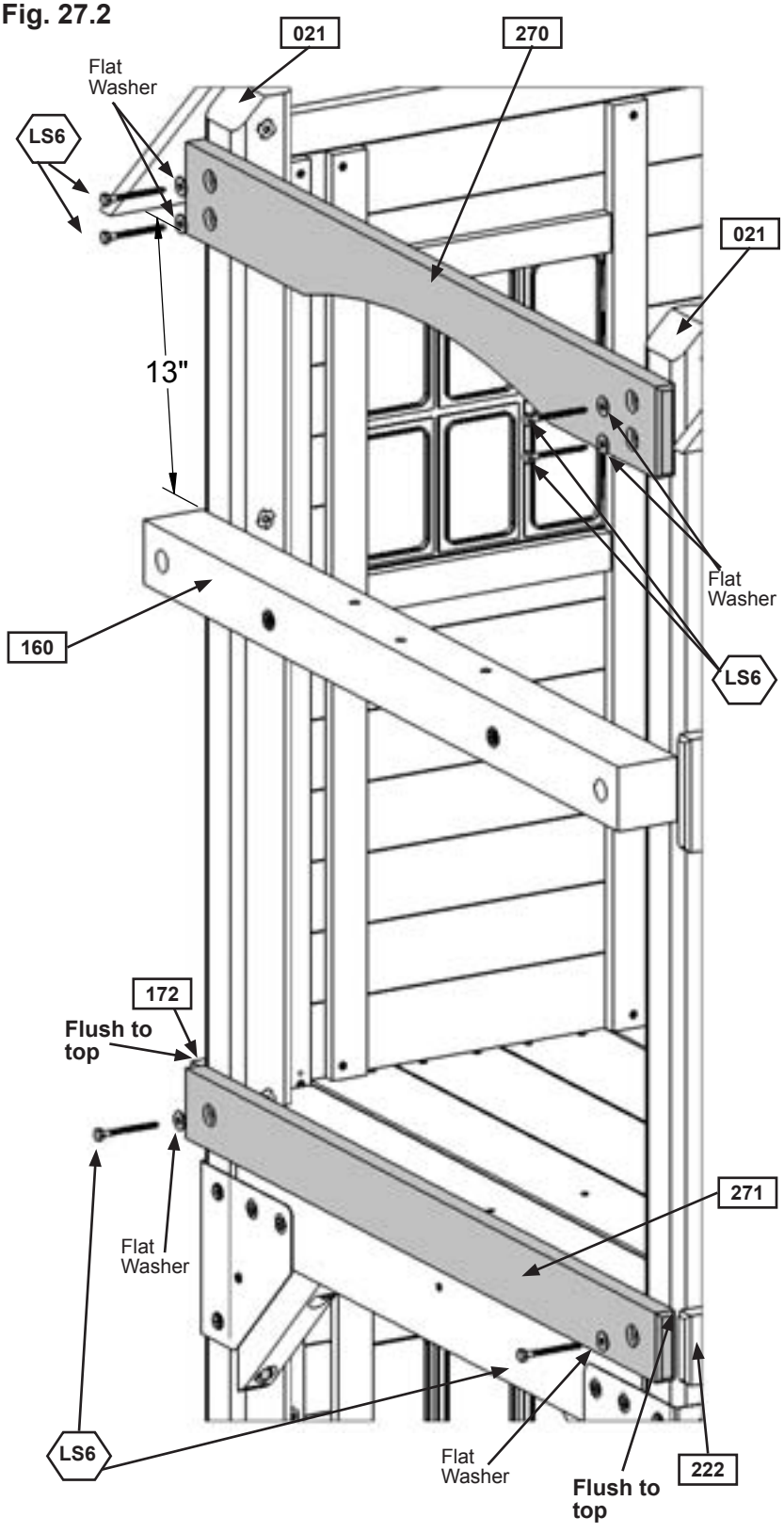


Fig. 27.2



Wood Parts

1 x 270 SW Top FSC 5/4 x 5 x 41-3/4"
1 x 271 SW Wall Support FSC 5/4 x 4 x 41-3/4"

Hardware

6 x LS6 5/16 x 3" Lag Screw (5/16" flat washer)

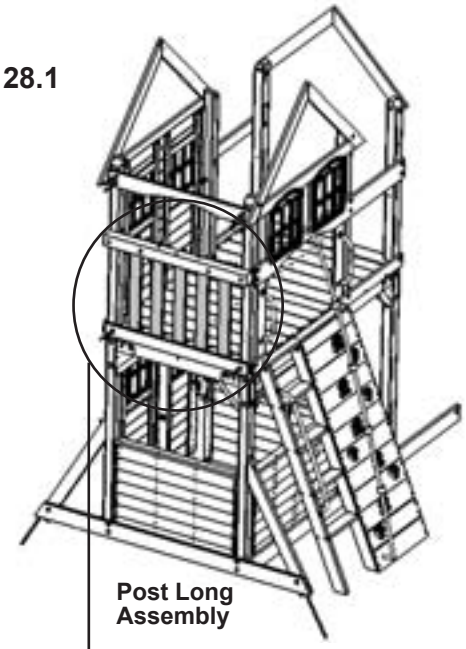
support@cedarsummitplay.com

Step 28: Attach Wall Boards Part 1

A: Lean 5 (280) Wall Boards between both (021) Post Long. **Make sure the space between boards are even and do not exceed 3-3/8" between any two boards.** ***Wall boards should be tight against the floor boards and bevelled edges face out and up.*** Attach the Wall Boards to (160) SW Wall and (271) SW Wall Support using 4 (S20) #8 x 1-3/8" Wood Screws per board. (fig. 28.1 and 28.2)

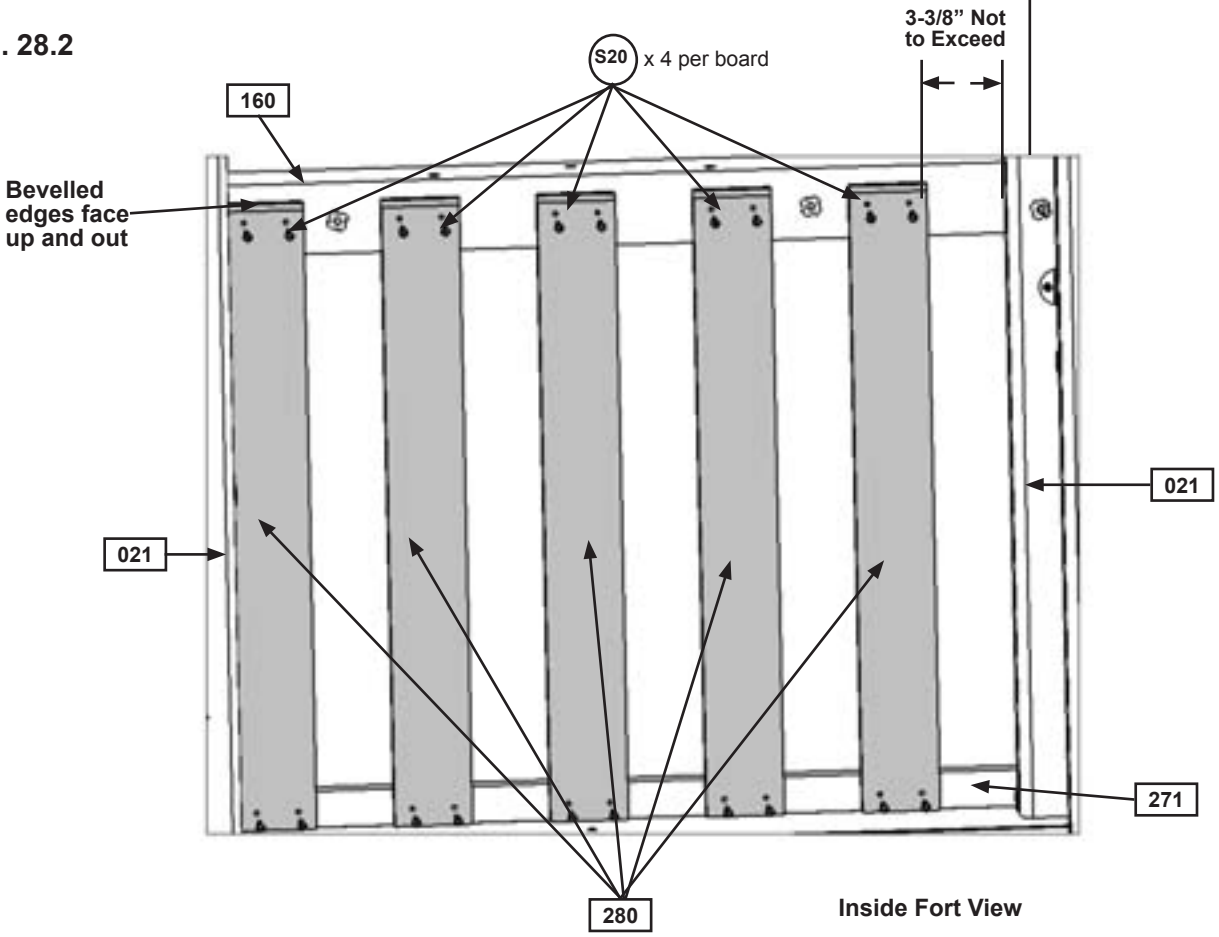
DO NOT overtighten screws. Check to make sure tips of screws do not protrude through the other side of wood. If there is any protrusion, back screw out so none exist.

Fig. 28.1



Post Long Assembly

Fig. 28.2



Inside Fort View

Wood Parts

5 x 280 Wall Board FSC 1 x 4 x 26-1/2"

Hardware

20 x S20 #8 x 1-3/8" Wood Screw

support@cedarsummitplay.com

Step 28: Attach Wall Boards Part 2

B: On back side of the fort lean 3 (280) Wall Boards between (021) Post Long and (171) Mid Post. **Make sure the space between boards are even and do not exceed 3-3/8" between any two boards.** ***Wall boards should be tight against the floor boards and bevelled edges face out and up.*** Attach the Wall Boards to (220) Top Back and (221) Long Lower Wall using 4 (S20) #8 x 1-3/8" Wood Screws per board. (fig. 28.3 and 28.4)

C: On front side of the fort lean 3 (280) Wall Boards between (021) Post Long and (171) Mid Post. **Make sure the space between boards are even and do not exceed 3-3/8" between any two boards.** ***Wall boards should be tight against the floor boards and bevelled edges face out and up.*** Attach the Wall Boards to (170) Left Lower Front and (173) Wall Support using 4 (S20) #8 x 1-3/8" Wood Screws per board. (fig. 28.3 and 28.4)

Fig. 28.3

Fig. 28.4

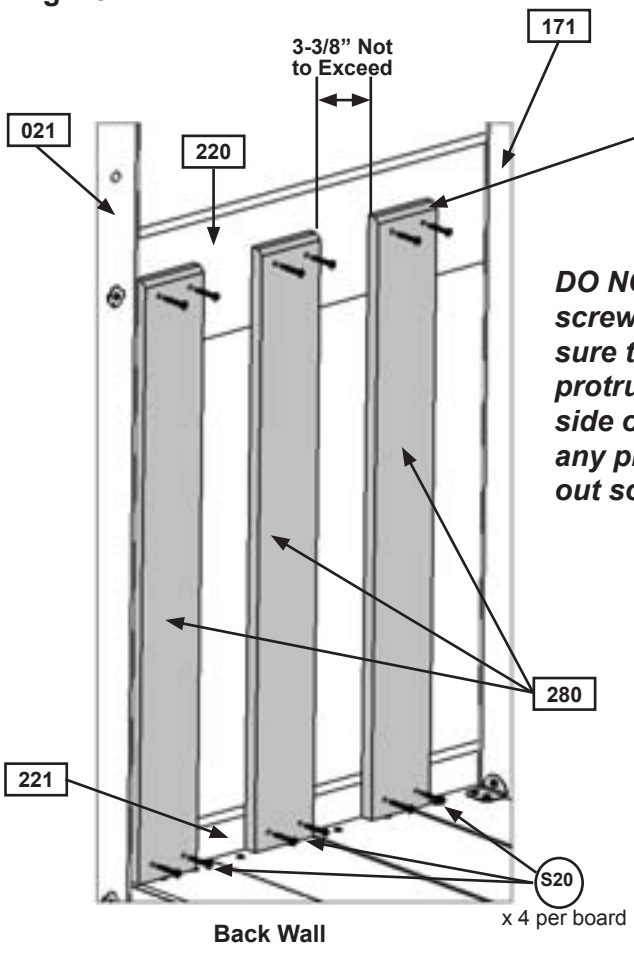
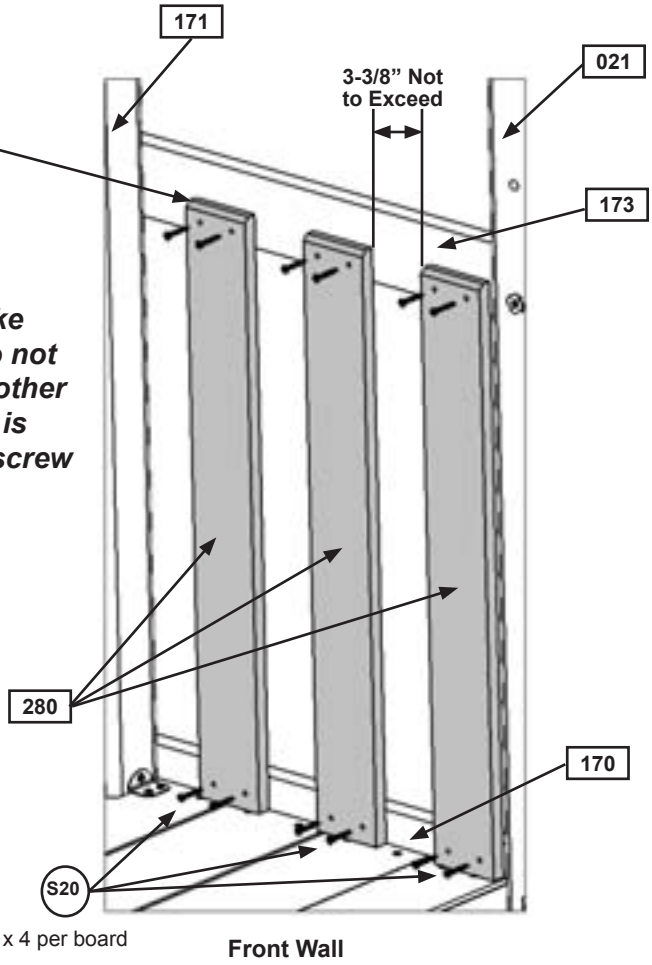


Fig. 28.5



DO NOT overtighten screws. Check to make sure tips of screws do not protrude through the other side of wood. If there is any protrusion, back screw out so none exist.

Inside Fort Views

Wood Parts

6 x [280] Wall Board FSC 1 x 4 x 26-1/2"

Hardware

24 x (S20) #8 x 1-3/8" Wood Screw

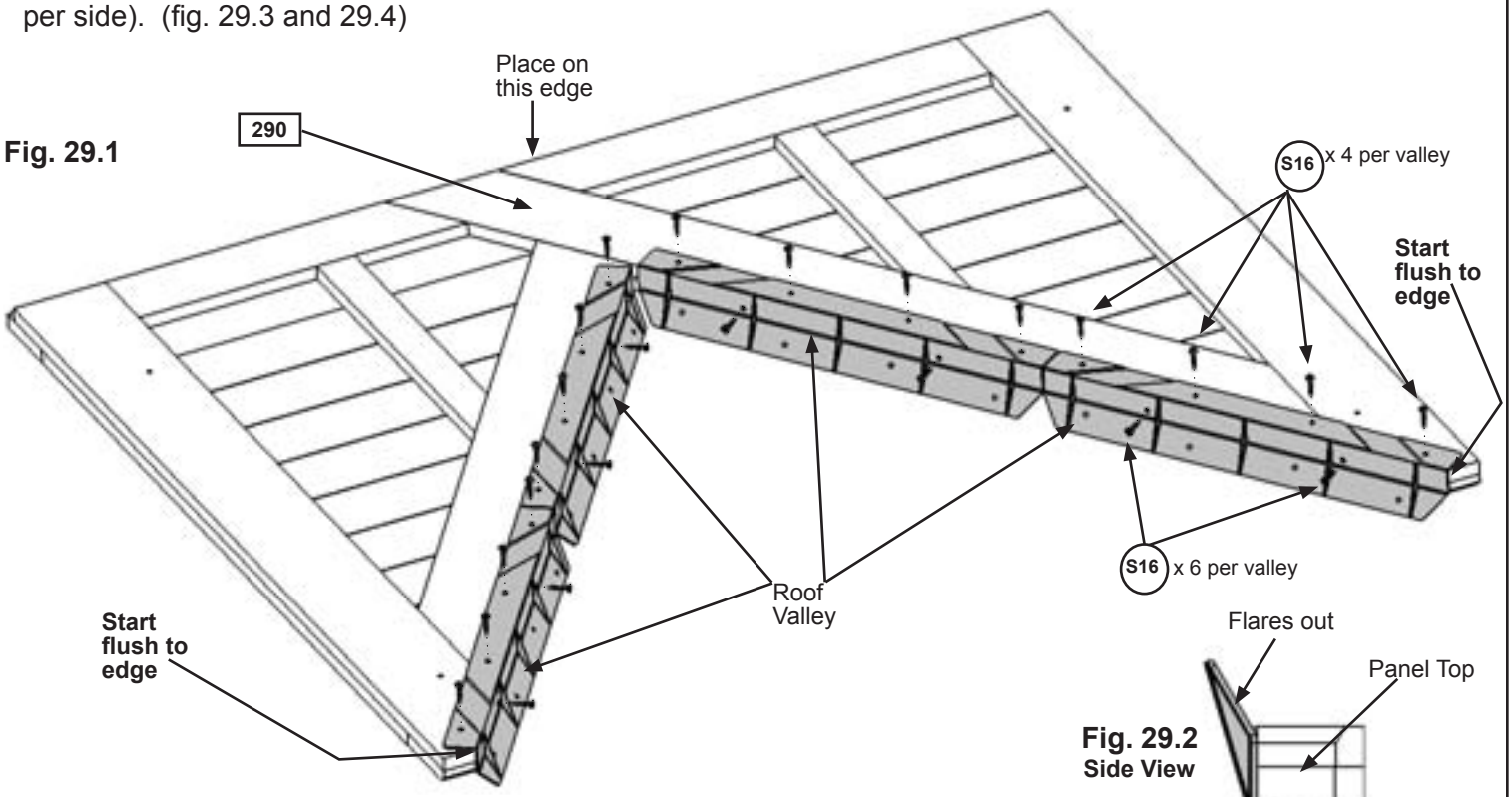
support@cedarsummitplay.com

Step 29: Large Roof Panel Assembly Part 1

A: Place (290) Large V Panel on its edge and have a helper hold so it is stable. Starting flush to each bottom edge of the panel "V" carefully attach 4 Roof Valley pieces, 2 per side, with 6 (S16) #6 x 1" Pan Screws per Roof Valley. (fig. 29.1 and 29.2)

B: Lean (290) Large V Panel against (291) Large Square Panel so the Large V Panel overlaps the Large Square Panel as shown in fig. 29.4. Attach the two panels together with 6 (S15) #8 x 1-3/4" Wood Screws (3 per side). (fig. 29.3 and 29.4)

Fig. 29.1



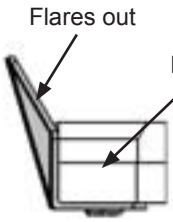


Fig. 29.2
Side View

Fig. 29.4

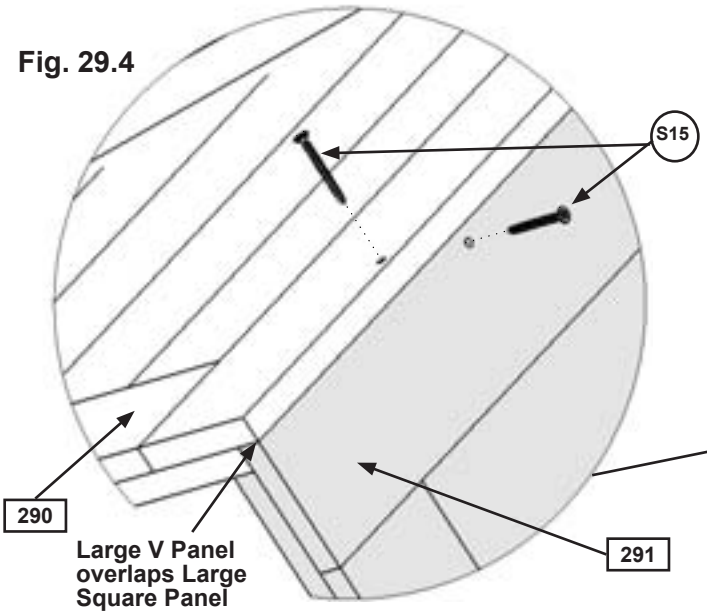
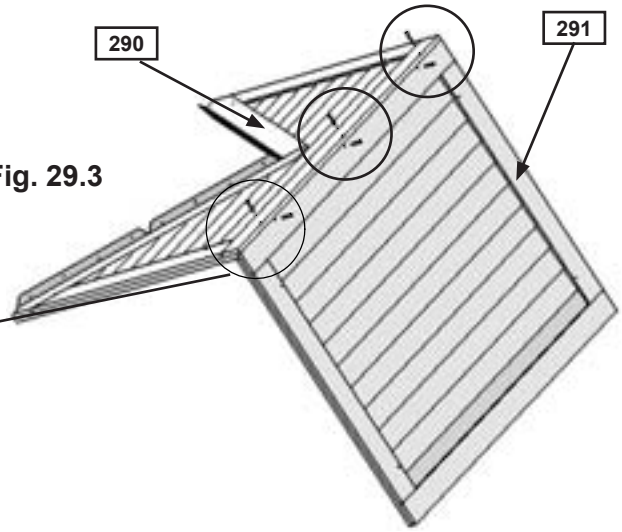


Fig. 29.3



Wood Parts

1 x 290 Large V Panel FSC 1-1/4 x 42 x 48"
1 x 291 Large Square Panel FSC 1-1/4 x 42 x 48"

Hardware

6 x S15 #8 x 1-3/4" Wood Screw
24 x S16 #6 x 1" Pan Screw

Other Parts

1 x Roof Valley (Pkg of 4)

support@cedarsummitplay.com

Step 29: Large Roof Panel Assembly Part 2

C: Lift Large Roof Panel Assembly on to fort and place on each Left/Right Roof Support Assemblies so (290) Large V Panel faces the Post Short Assembly and the pilot holes are centred over the Roof Supports. (fig. 29.5 and 29.6).

D: Attach Large Roof Panel Assembly to each (180) Left Roof Support and each (181) Right Roof Support with 8 (S3) #8 x 2-1/2" Wood Screws as shown in fig. 29.6.

Fig. 29.5

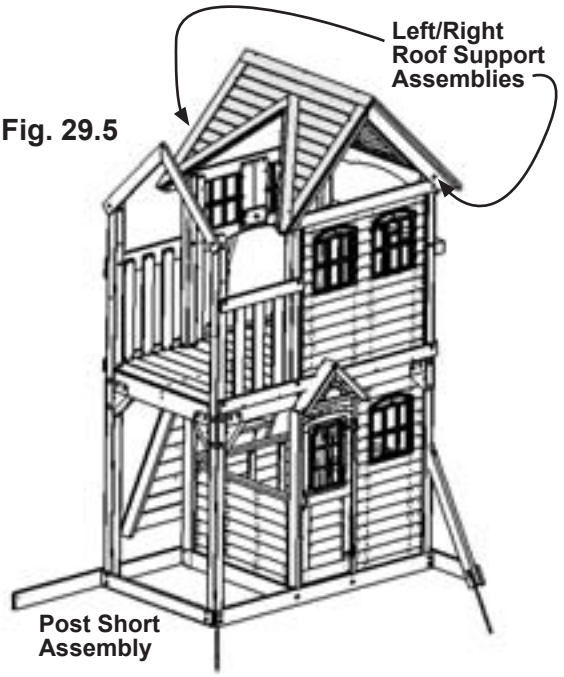
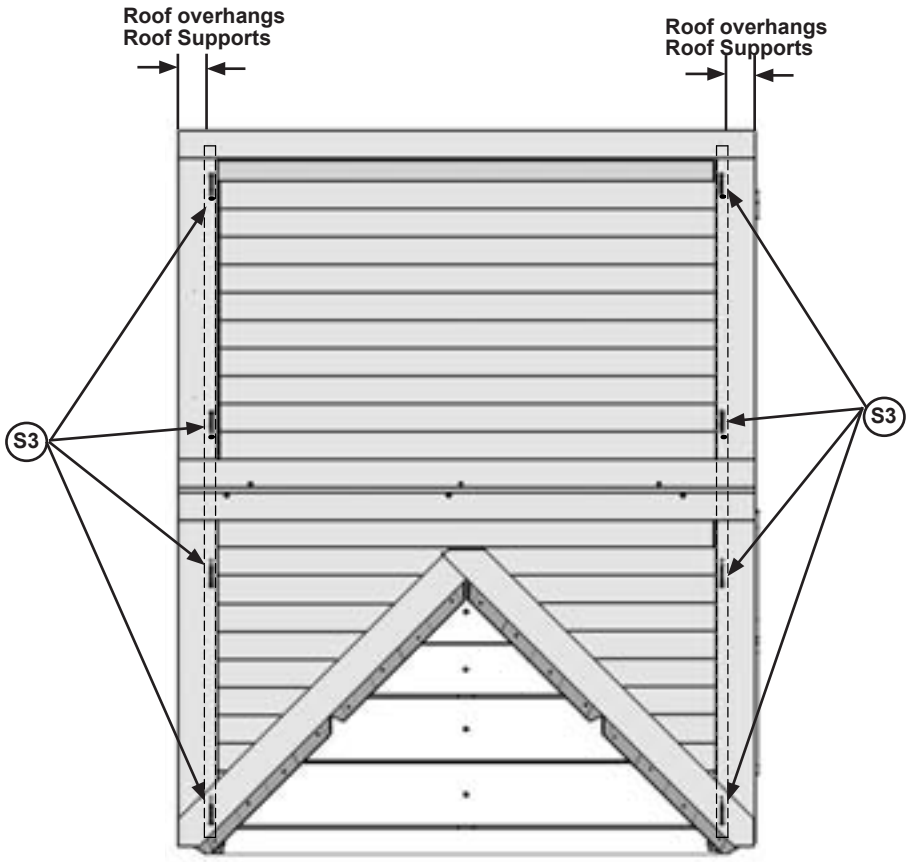


Fig. 29.6
Top View



Hardware

8 x (S3) #8 x 2-1/2" Wood Screw

Step 30: Small Roof Panel Assembly Part 1

A: Lean (300) Right Roof Panel against (301) Left Roof Panel so the Right Panel overlaps the Left panel as shown in fig. 30.2. Attach the two panels together with 6 (S15) #8 x 1-3/4" Wood Screws (3 per side). (fig. 30.1 and 30.2)

B: Lift Small Roof Panel Assembly on to fort and place on (182) L Roof Support and (183) R Roof Support and resting on the Roof Valleys of the Large Roof Panel Assembly. Attach to the remaining holes in the Roof Valleys. (fig. 30.3 and 30.4).

Fig. 30.3

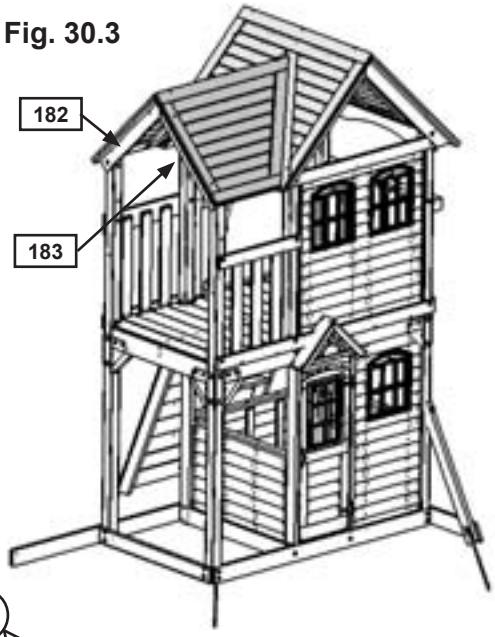
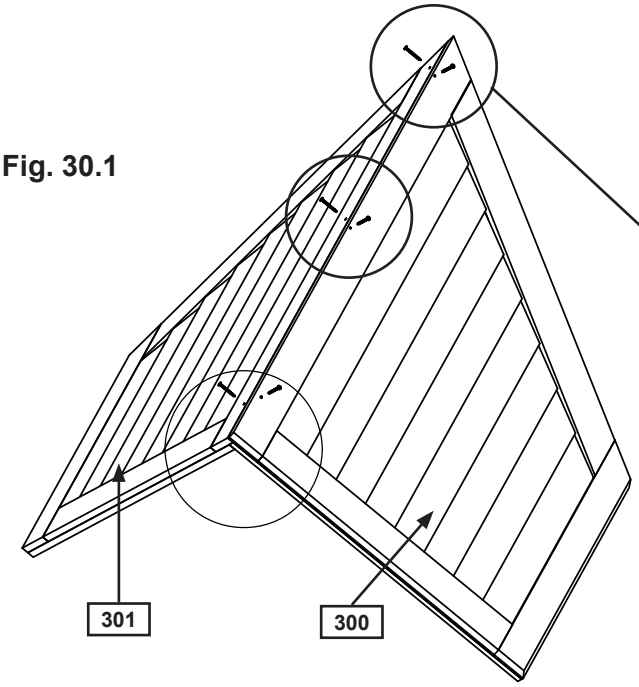


Fig. 30.1



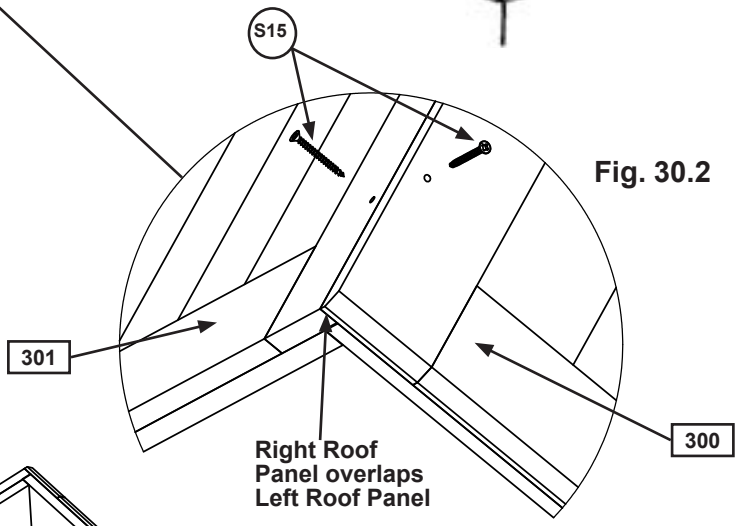
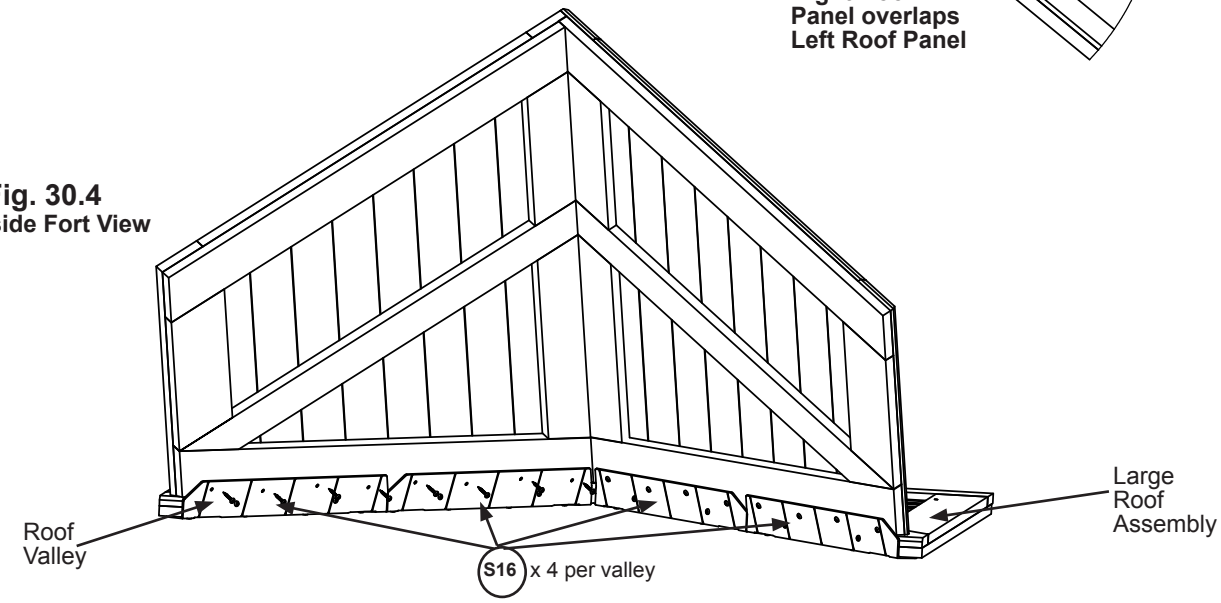


Fig. 30.2

Fig. 30.4
Inside Fort View



Wood Parts

1 x 300 **Right Roof Panel FSC 1-1/4 x 33 x 45"**
1 x 301 **Left Roof Panel FSC 1-1/4 x x 32-1/2" x 44-5/8"**

Hardware

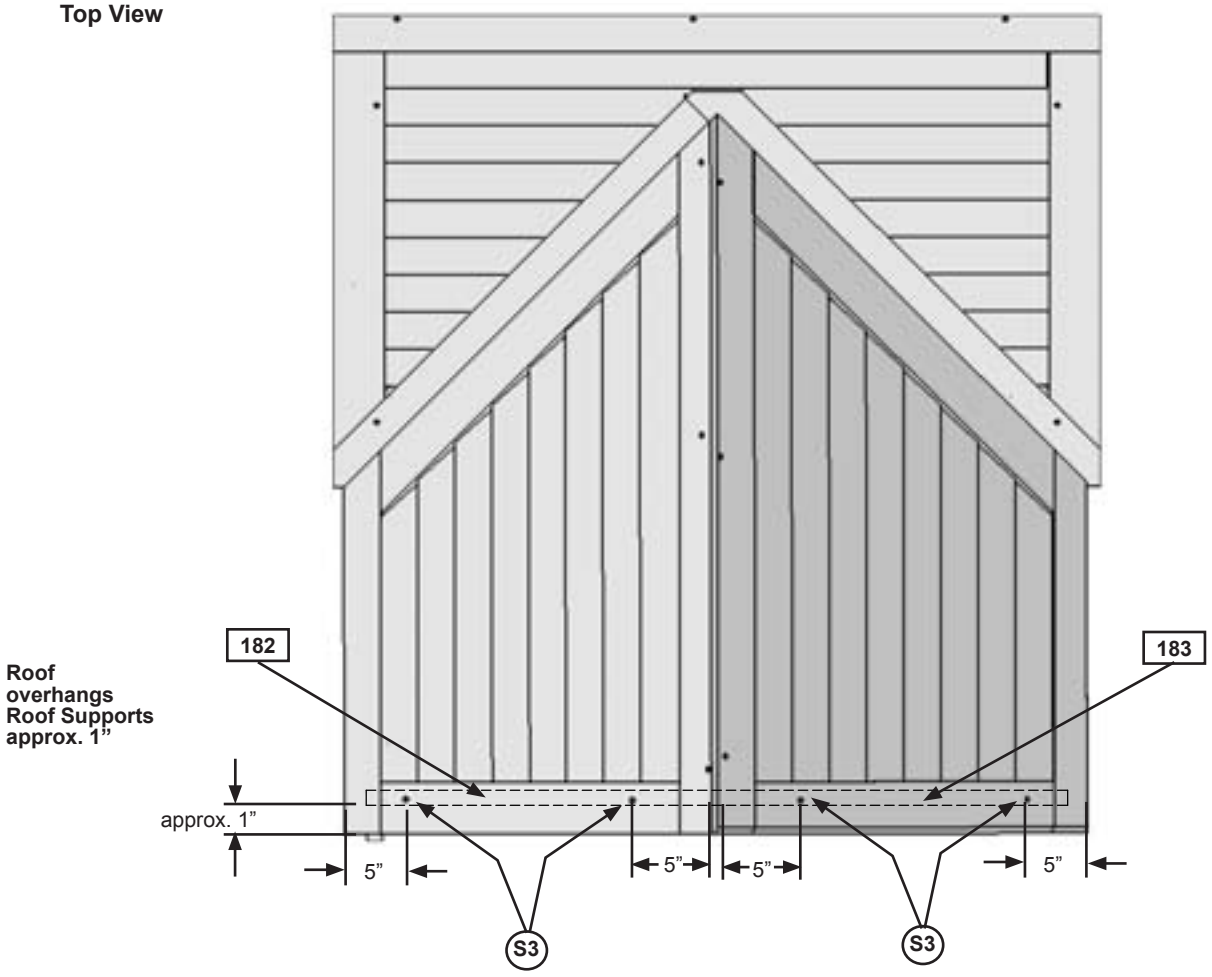
6 x S15 **#8 x 1-3/4" Wood Screw**
16 x S16 **#6 x 1" Pan Screw**

support@cedarsummitplay.com

Step 30: Small Roof Panel Assembly Part 2

C: The Small Roof Panel Assembly should overhang the L and R Roof Supports by approximately 1". The 2 lower screws should be placed 5" from the bottom of the panel. The 2 upper screws should be placed 5" from the peak of the panel. See fig. 30.5 for accurate placement of screws. Once holes are pre-drilled, attach using 4 (S3) #8 x 2-1/2" Wood Screws.

Fig. 30.5
Top View



Hardware

4 x (S3) #8 x 2-1/2" Wood Screw

support@cedarsummitplay.com

Step 31: Starburst Assembly

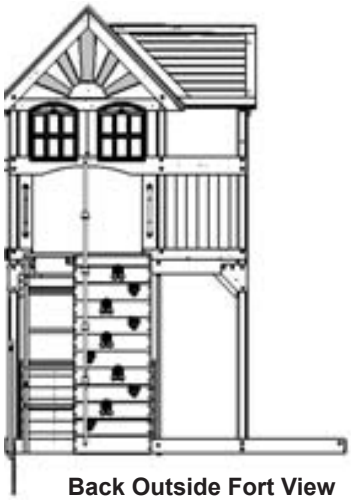
A: From inside the fort and tight to the peak of the Left/Right Roof Support Assembly on both the front and back sides place (310) Starburst A and attach to (180) Left Roof Support and (181) Right Roof Support and centred on (190) Lower Roof with 4 (S20) #8 x 1-3/8" Wood Screws per (310) Starburst A. (fig. 31.1 & 31.2)

B: Tight to the top of each (190) Lower Roof and centred on the outside of (310) Starburst A attach (311) Starburst Centre with 2 (S20) #8 x 1-3/8" Wood Screw per (310) Starburst A as shown in fig. 31.2.

C: Measure 11-3/4" down from the inside peak on both sides of (310) Starburst A and mark location with a pencil. Attach 1 (312) Starburst B at each marked location to (311) Starburst Centre and then the roof supports with 3 (S20) #8 x 1-3/8" Wood Screws per board. (fig. 31.2)

D: Measure 23-1/2" down from the inside peak on both sides of (310) Starburst A and mark location with a pencil. Attach 1 (313) Starburst C at each marked location to (311) Starburst Centre and then the roof supports with 3 (S20) #8 x 1-3/8" Wood Screws per board. (fig. 31.2)

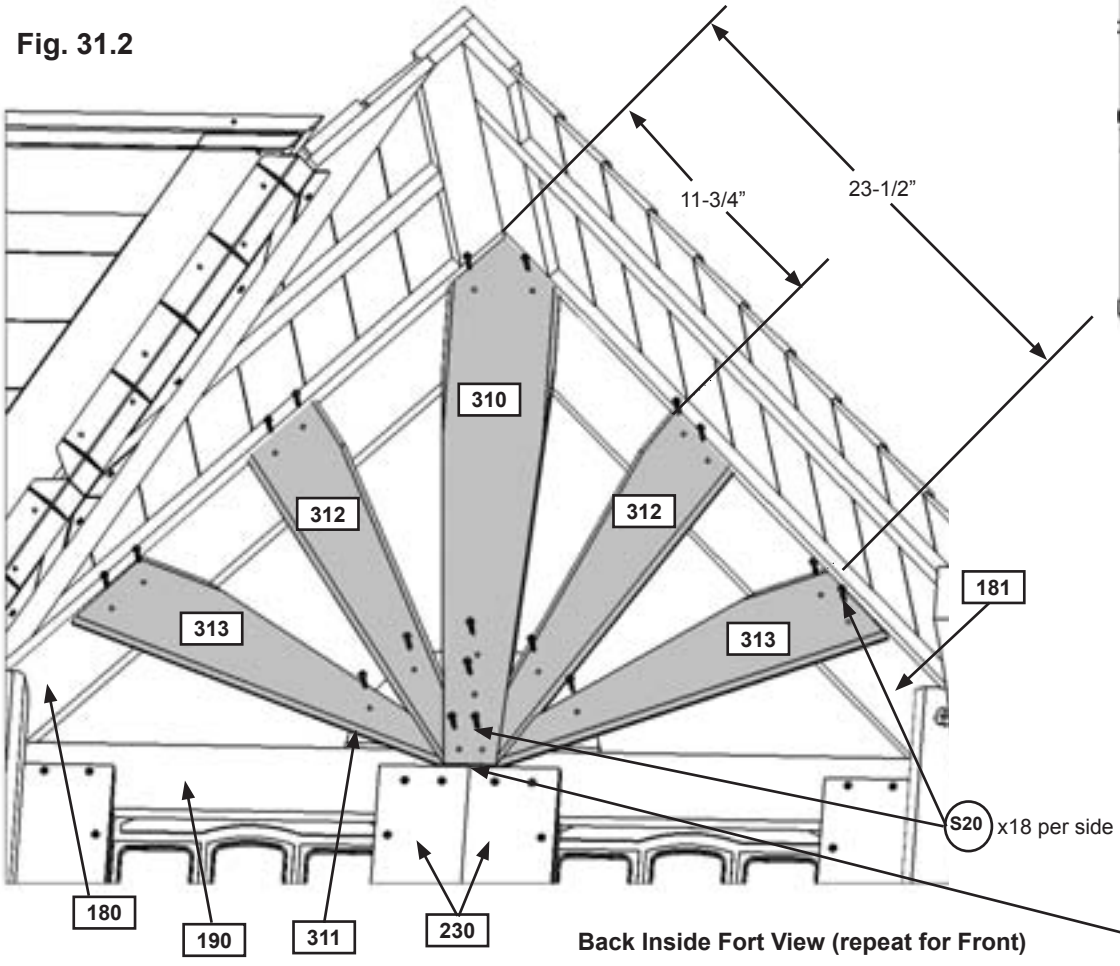
Fig. 31.1



Back Outside Fort View (repeat for Front)

DO NOT overtighten screws. Check to make sure tips of screws do not protrude through the other side of wood. If there is any protrusion, back screw out so none exist.

Fig. 31.2



Back Inside Fort View (repeat for Front)

Wood Parts

- 2 x 310 Starburst A FSC 1 x 6 x 26-5/8"
- 2 x 311 Starburst Centre FSC 5/4 x 6 x 12"
- 4 x 312 Starburst B FSC 1 x 5 x 18-7/8"
- 4 x 313 Starburst C FSC 1 x 5 x 19-1/2"

Hardware

- 36 x S20 #8 x 1-3/8" Wood Screw

support@cedarsummitplay.com

Step 32: Sunburst Assembly

A: On the inside of the Post Short Roof Support Assembly measure 22" down from the inside tip of the assembly and mark location. Measure both (182) L Roof Support and (183) R Roof Support sides. Line up the top of (320) Sunburst Bottom with each mark and attach with 2 (S20) #8 x 1-3/8" Wood Screws. (fig. 32.1 and 32.2)

B: From the outside of the fort Measure 1-1/2" up from the bottom of (320) Sunburst Bottom, centre lengthwise and then attach (311) Starburst Centre from the inside of the fort with 2 (S20) #8 x 1-3/8" Wood Screws. (fig. 32.3)

C: Place (321) Sunburst A Small tight to the top and centre of (320) Sunburst Bottom so the top is in the peak of the Roof Support Assembly. Attach to (311) Starburst Centre, (182) L Roof Support and (183) R Roof Support with 3 (S20) #8 x 1-3/8" Wood Screws. (fig. 32.4)

D: Place 1 (322) Sunburst B Small on either side of (321) Sunburst A Small, tight to the top of (320) Sunburst Bottom and attach to (311) Starburst Centre, (182) L Roof Support and (183) R Roof Support with 2 (S20) #8 x 1-3/8" Wood Screws per board. (fig. 32.4)

Fig. 32.1

Post Short Assembly

Fig. 32.2
Inside Fort View

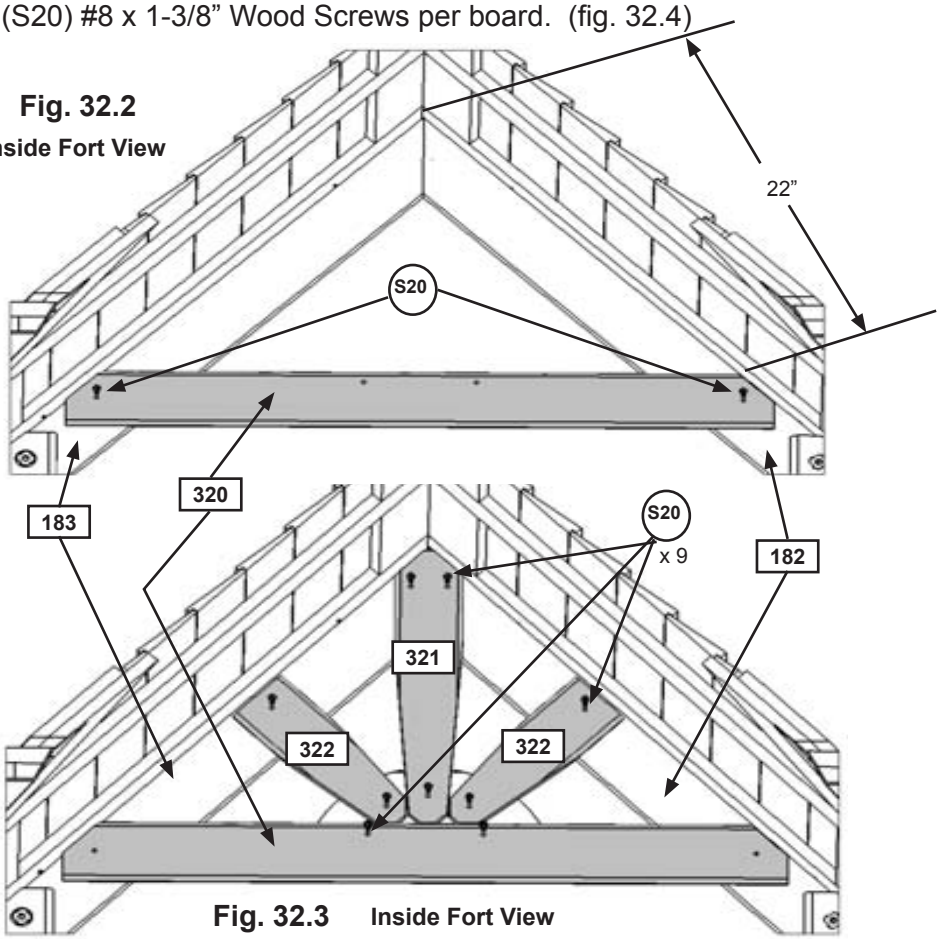
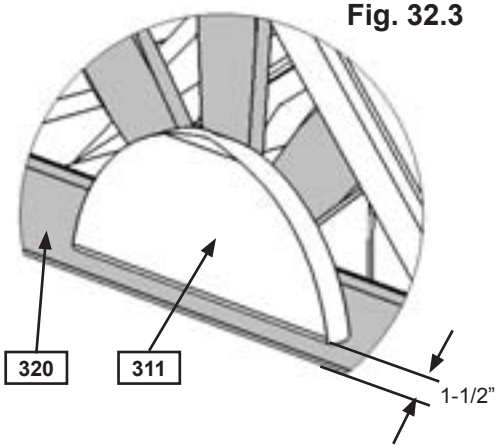


Fig. 32.3 **Inside Fort View**

Fig. 32.3



DO NOT overtighten screws. Check to make sure tips of screws do not protrude through the other side of wood. If there is any protrusion, back screw out so none exist.

Wood Parts

- 1 x 320 **Sunburst Bottom FSC 1 x 4 x 34-1/2"**
- 1 x 311 **Starburst Centre FSC 5/4 x 6 x 12"**
- 1 x 321 **Sunburst A Small FSC 1 x 4 x 15-1/4"**
- 2 x 322 **Sunburst B Small FSC 1 x 4 x 9-3/4"**

Hardware

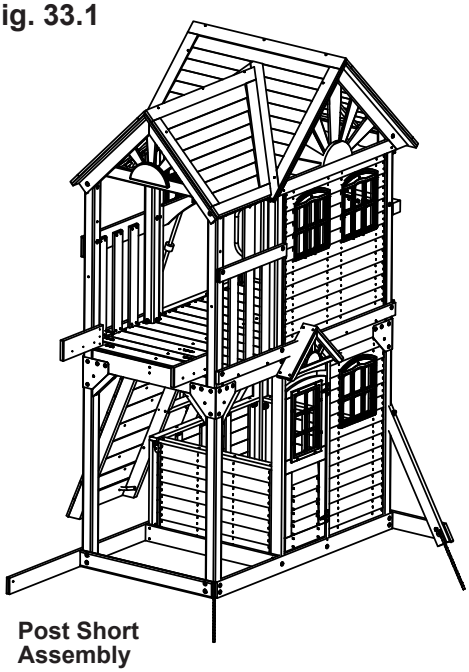
- 11 x S20 **#8 x 1-3/8" Wood Screw**

support@cedarsummitplay.com

Step 33: Crowsnest Lower Frame Assembly Part 1

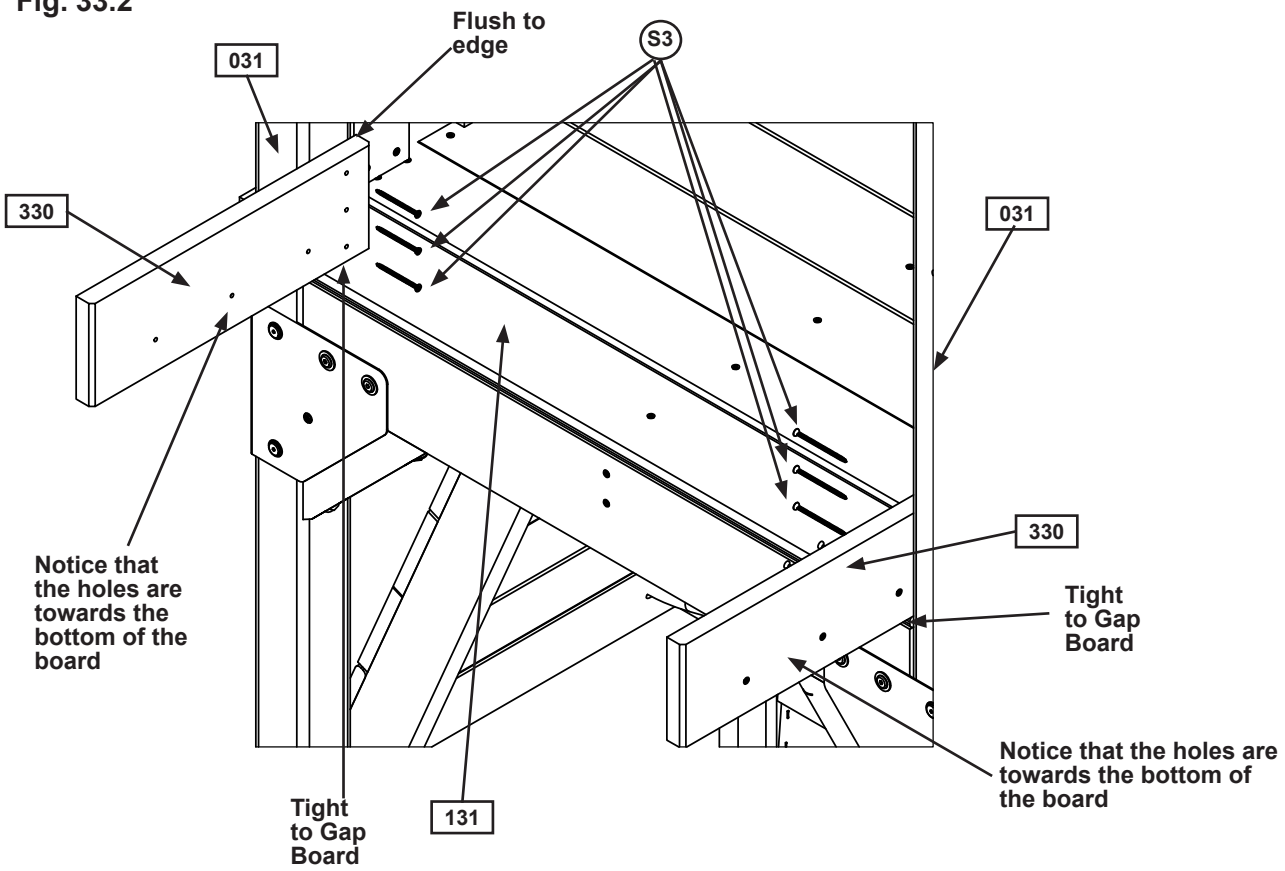
A: Attach 1 (330) Crowsnest Bottom Side to the inside of each (031) Post Short using 3 (S3) #8 x 2-1/2" Wood Screws per side (fig. 33.1 and 33.2) Each board is to be flush to back edge of the post and tight to (131) Gap Board.

Fig. 33.1



Post Short Assembly

Fig. 33.2



Wood Parts

2x [330] Crowsnest Bottom Side FSC 5/4 x 6 x 16-1/2"

Hardware

6 x (S3) #8 x 2-1/2" Wood Screw

support@cedarsummitplay.com

Step 33: Crowsnest Lower Frame Assembly Part 2

B: Attach 4 (333) Crowsnest Joists to (332) Crowsnest Front and (331) Crowsnest Back using 4 (S4) #8 x 3" Wood Screws per joist as shown in fig. 33.3.

C: Attach assembly just built to each (330) Crowsnest Bottom Side using 3 (S15) #8 x 1-3/4" Wood Screws per board. Bottom of assembly is to be flush with bottom of (330) Crowsnest Bottom Side. (332) Crowsnest Front is to face out and (331) Crowsnest Back is to face towards the fort. (fig. 33.4)

Fig. 33.3

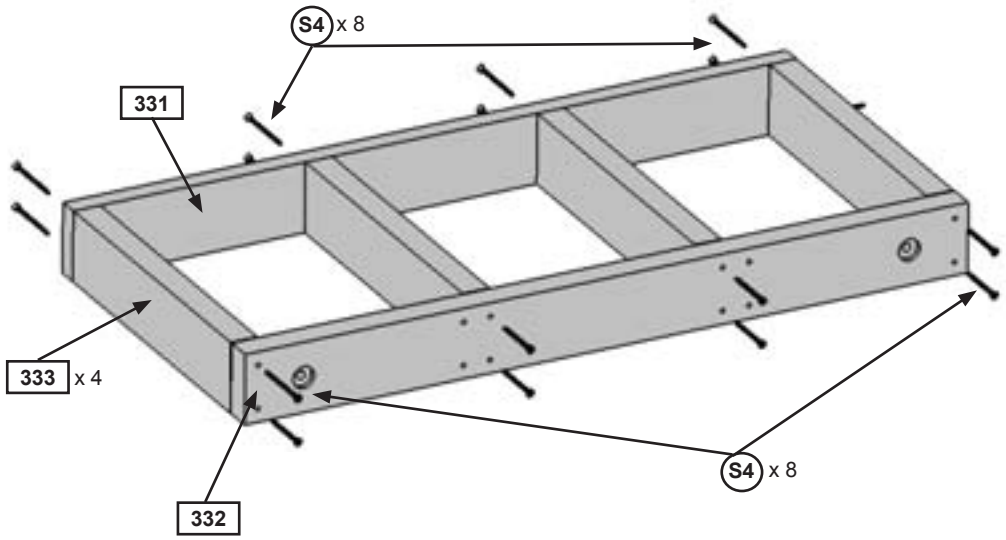
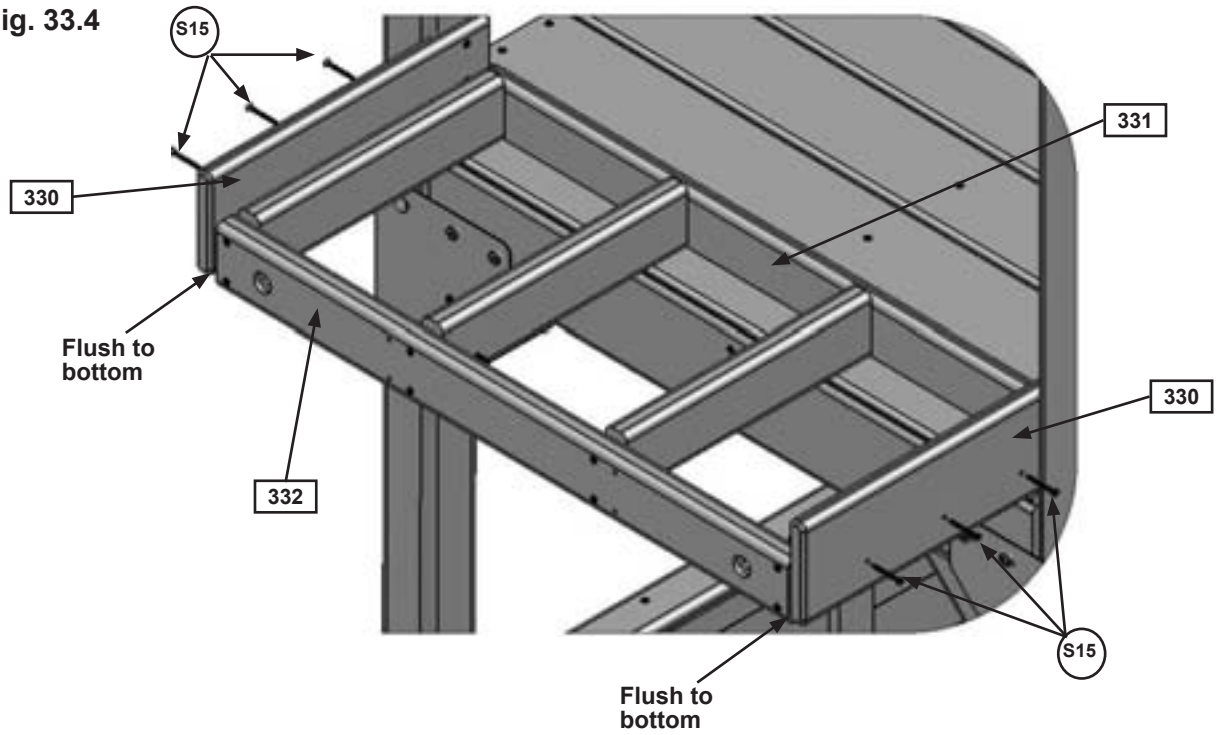


Fig. 33.4



Wood Parts

- 1 x 331 Crowsnest Back FSC 5/4 x 4 x 33-7/8"
- 1 x 332 Crowsnest Front FSC 2 x 4 x 33-7/8"
- 4 x 333 Crowsnest Joist FSC 2 x 4 x 14-5/16"

Hardware

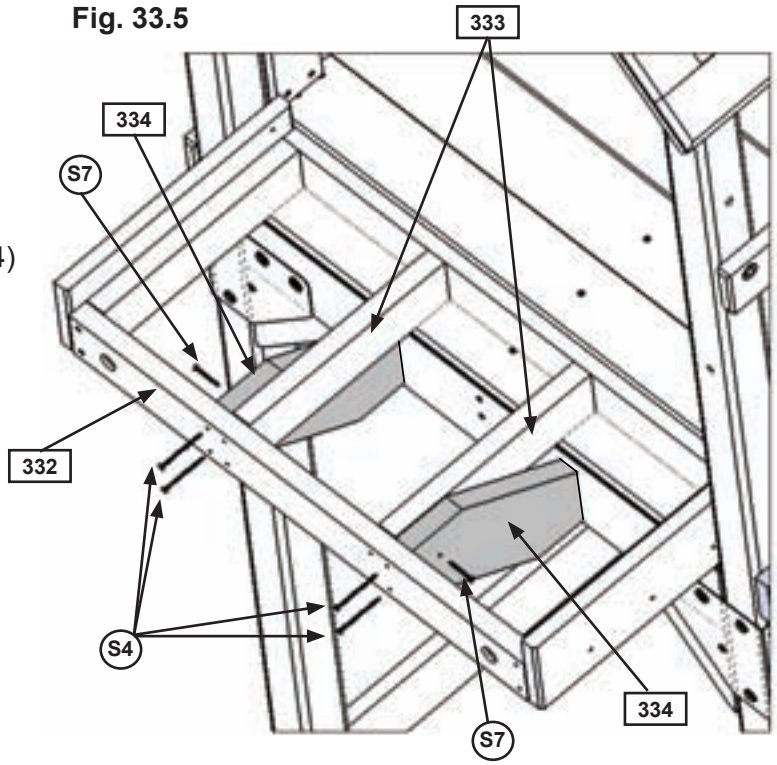
- 16 x S4 #8 x 3" Wood Screw
- 6 x S15 #8 x 1-3/4" Wood Screw

support@cedarsummitplay.com

Step 33: Crowsnest Lower Frame Assembly Part 3

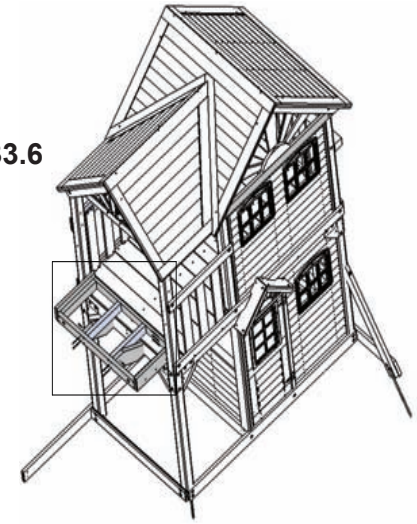
D: Make sure the frame is level, then attach 1 (334) Crowsnest Gusset flush to the top of (332) Crowsnest Front, to each of the interior (333) Crowsnest Joists on the outside of each joist using 1 (S7) #12 x 2" Pan Screw per Gusset. (fig. 33.5)

Fig. 33.5



E: Attach each (334) Crowsnest Gusset to (332) Crowsnest Front in the remaining holes using 2 (S4) #8 x 3" Wood Screws per gusset. (fig. 33.5 and 33.6)

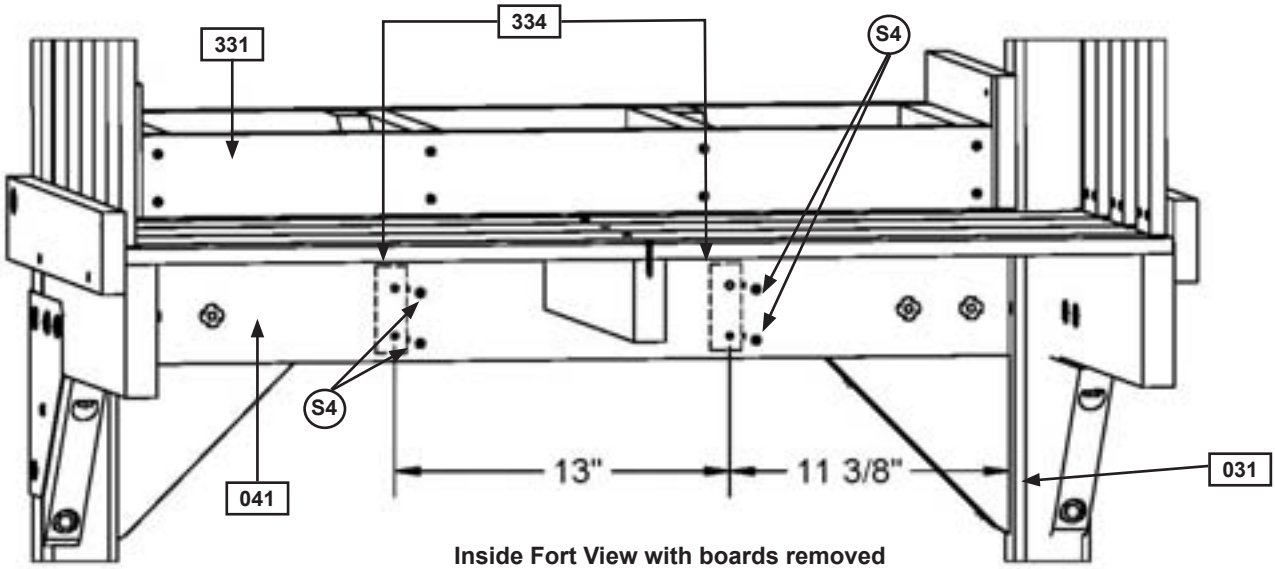
Fig. 33.6



F: Measure 11-3/8" from inside edge of (031) Post Short and attach (041) Floor End to 1 (334) Crowsnest Gusset using 2 (S4) #8 x 3" Wood Screws as shown in fig. 33.7.

G: Measure 13" from screws in Step F and attach (041) Floor End to the second (334) Crowsnest Gusset using 2 (S4) #8 x 3" Wood Screws as shown in fig. 33.7.

Fig. 33.7



Inside Fort View with boards removed

Wood Parts

2 x [334] **Crowsnest Gusset FSC 2 x 6 x 15"**

Hardware

8 x (S4) **#8 x 3" Wood Screw**

2 x (S7) **#12 x 2" Pan Screw**

Step 34: Crowsnest Upper Frame Assembly Part 1

A: Attach 1 (340) Crowsnest SL Top to 2 (341) Crowsnest Uprights using 2 (G8) 5/16 x 2” Hex Bolts (with flat washer, lock washer and t-nut), making sure the notched ends are facing out. (fig. 34.1)

B: Attach 1 (342) Crowsnest Short to (340) Crowsnest SL Top using 6 (S15) #8 x 1-3/4” Wood Screws as shown in fig. 34.2.

Fig. 34.1

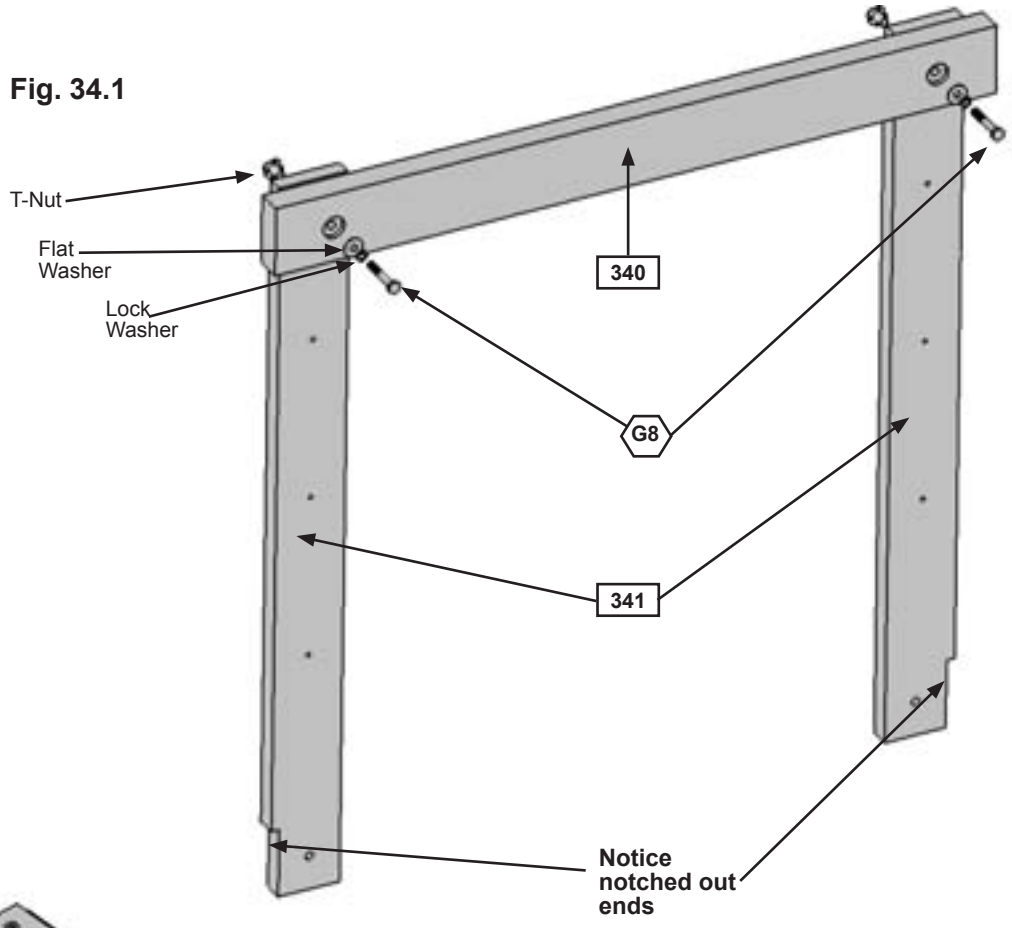
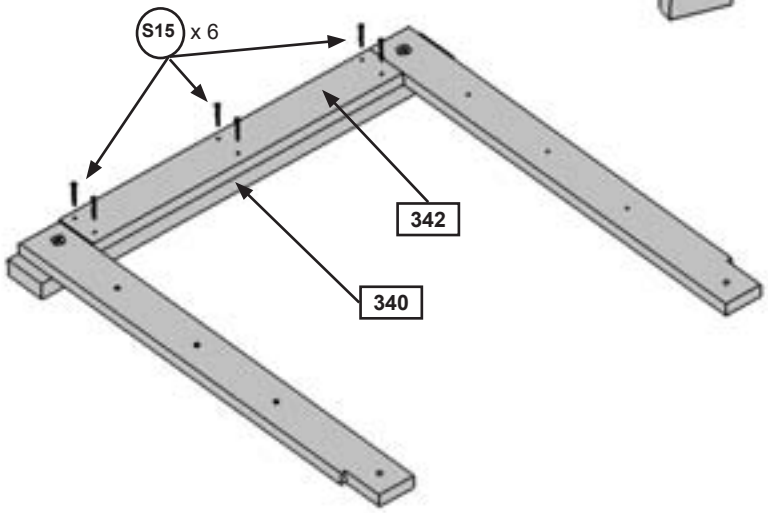


Fig. 34.2



Wood Parts

- 1 x 340 Crowsnest SL Top FSC 2 x 4 x 33-7/8”
- 2 x 341 Crowsnest Upright FSC 5/4 x 4 x 34-1/4”
- 1 x 342 Crowsnest Short FSC 5/4 x 4 x 25-1/2”

Hardware

- 6 x S15 #8 x 1-3/4” Wood Screw
- 2 x G8 5/16 x 2” Hex Bolt (5/16” lock washer, 5/16” flat washer & 5/16” t-nut)

support@cedarsummitplay.com

Step 34: Crowsnest Upper Frame Assembly Part 2

C: Attach the bottom of each (341) Crowsnest Upright to (332) Crowsnest Front using 2 (G8) 5/16 x 2" Hex Bolts (with flat washer, lock washer and t-nut). (fig. 34.3)

D: Attach 1 (343) Crowsnest Side to each (031) Post Short using 1 (G21) 5/16 x 3-3/4" Hex Bolt (with flat washer, lock washer and t-nut) per post. **Keep the bolts loose.** (fig. 34.4)

E: Attach the other side of (343) Crowsnest Side to one side of the (340) Crowsnest SL Top using 2 (S3) #8 x 2-1/2" Wood Screws per side and then tighten the bolts from Step D. (fig. 34.4)

Fig. 34.3

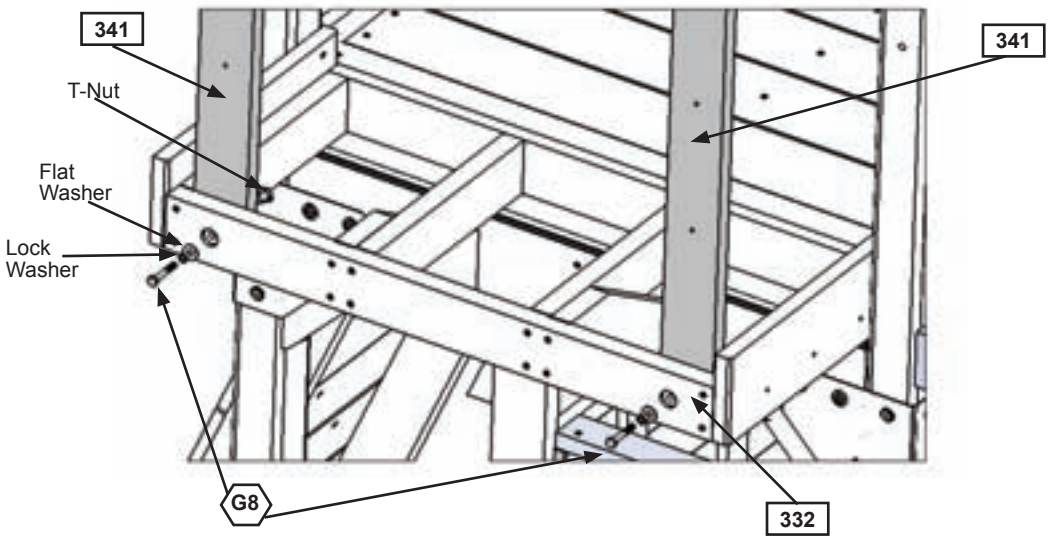
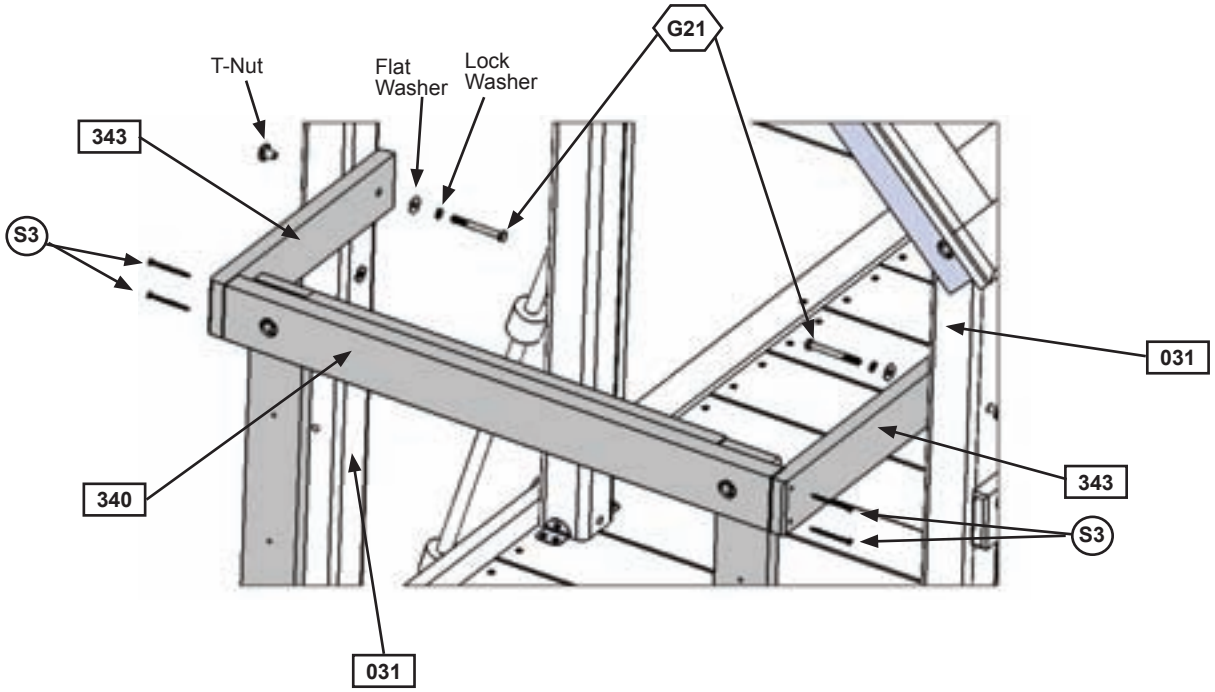


Fig. 34.4



Wood Parts

2 x 343 **Crowsnest Side FSC 5/4 x 4 x 16-1/2"**

Hardware

4 x S3 **#8 x 2-1/2" Wood Screw**

2 x G8 **5/16 x 2" Hex Bolt (5/16" lock washer, 5/16" flat washer & 5/16" t-nut)**

2 x G21 **5/16 x 3-3/4" Hex Bolt (5/16" lock washer, 5/16" flat washer & 5/16" t-nut)**

support@cedarsummitplay.com

Step 34: Crowsnest Upper Frame Assembly Part 3

F: Lay down (344) Crowsnest Gap flush to front of (332) Crowsnest Front and (345) Crowsnest Floor flush to back of (331) Crowsnest Back. In between (344) and (345) place 2 (346) Crowsnest Floor. (fig. 34.5)

G: Attach the floor and gap boards to each (333) Crowsnest Joist using 6 (S20) #8 x 1-3/8" Wood Screws per board. (fig. 34.5)

H: Attach 1 (347) Crowsnest Wall to 1 (330) Crowsnest Bottom Side and 1 (343) Crowsnest Side using 3 (S15) #8 x 1-3/4" Wood Screws. Repeat for other side. (fig. 34.6 and 34.7)

Fig. 34.3

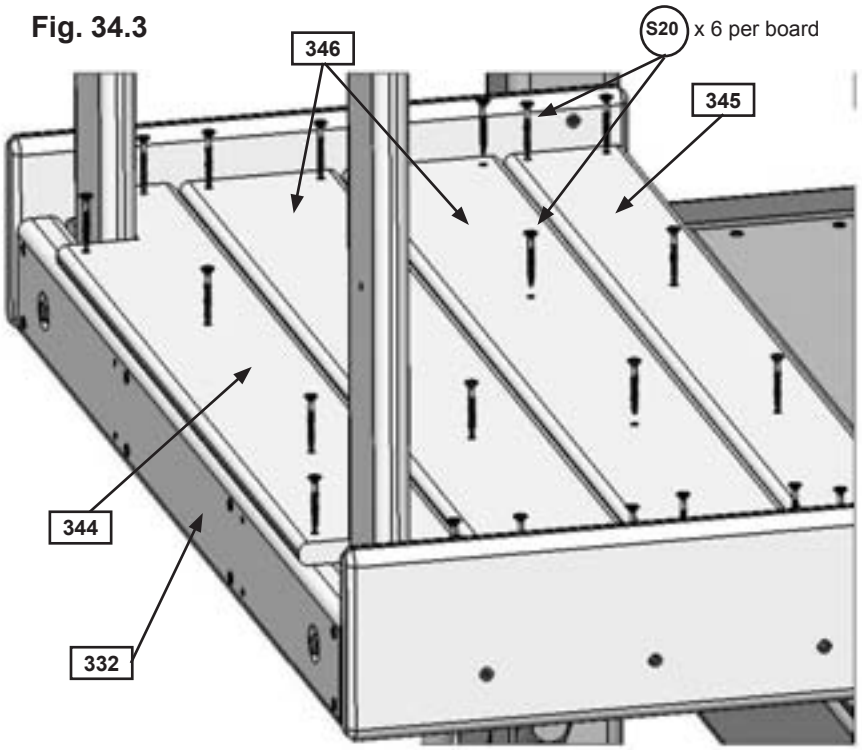


Fig. 34.6

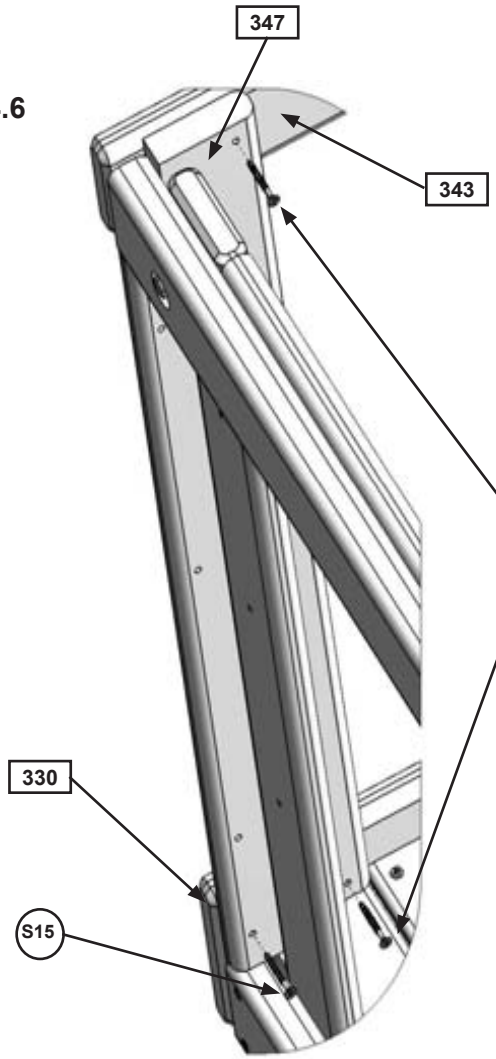
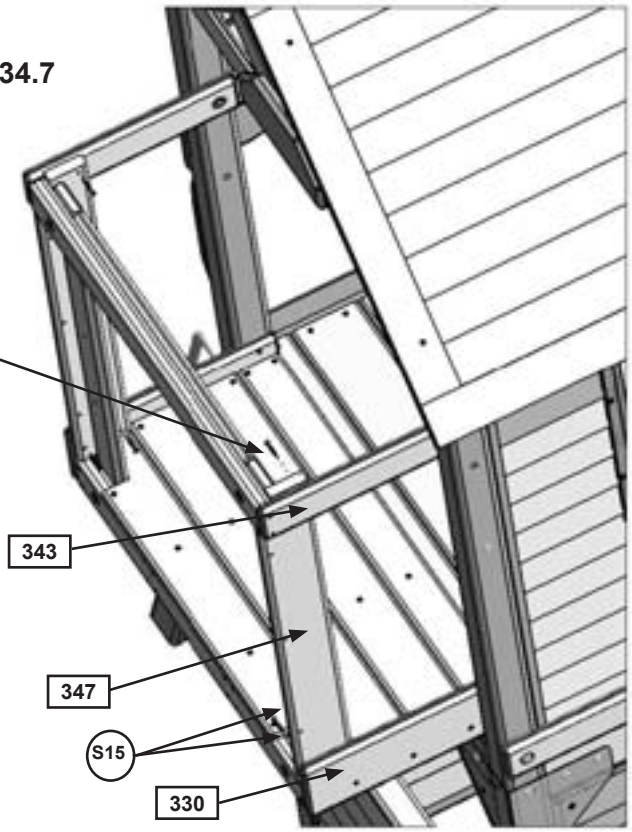


Fig. 34.7



Wood Parts

- 1 x 344 Crowsnest Gap FSC 1 x 5 x 33-7/8"
- 1 x 345 Crowsnest Floor FSC 1 x 4 x 33-7/8"
- 2 x 346 Crowsnest Floor FSC 1 x 5 x 33-7/8"
- 2 x 347 Crowsnest Wall FSC 5/4 x 5 x 31"

Hardware

- 6 x S15 #8 x 1-3/4" Wood Screw
- 24 x S20 #8 x 1-3/8" Wood Screw

support@cedarsummitplay.com

Step 34: Crowsnest Upper Frame Assembly Part 4

I: Place 1 (348) Crowsnest Face to the front of each (341) Crowsnest Upright and attach from the side of the (347) Crowsnest Wall using 3 (S3) #8 x 2-1/2" Wood Screws per board as shown in fig. 34.8.

J: Attach both (341) Crowsnest Uprights to the (348) Crowsnest Face from the inside of the fort using 3 (S15) #8 x 1-3/4" Wood Screws per board as shown in fig. 34.9.

Fig. 34.8

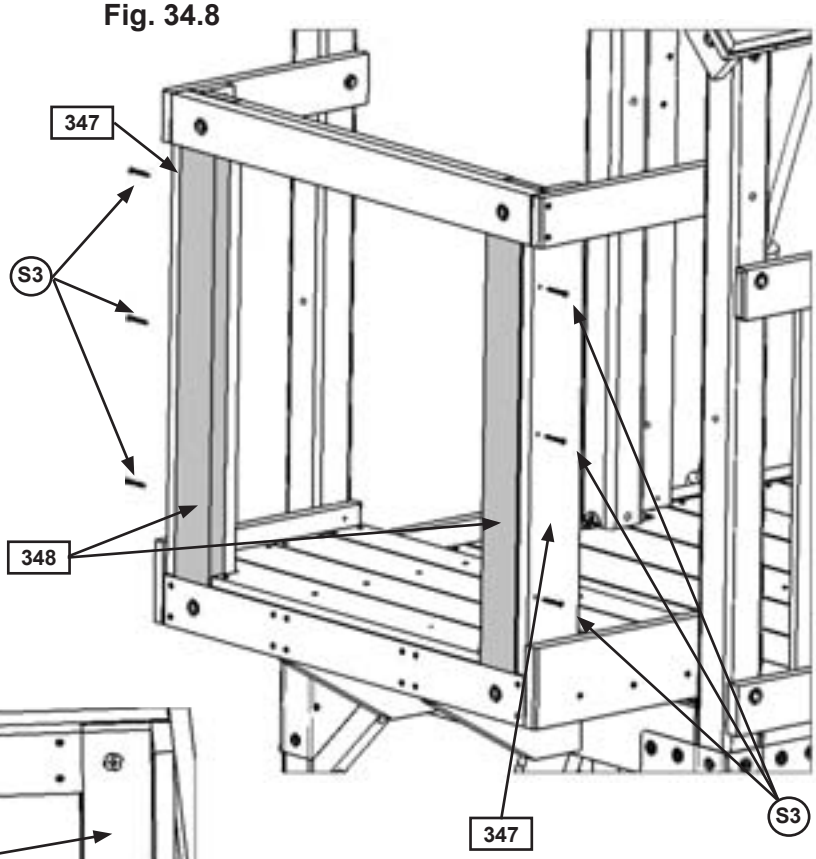
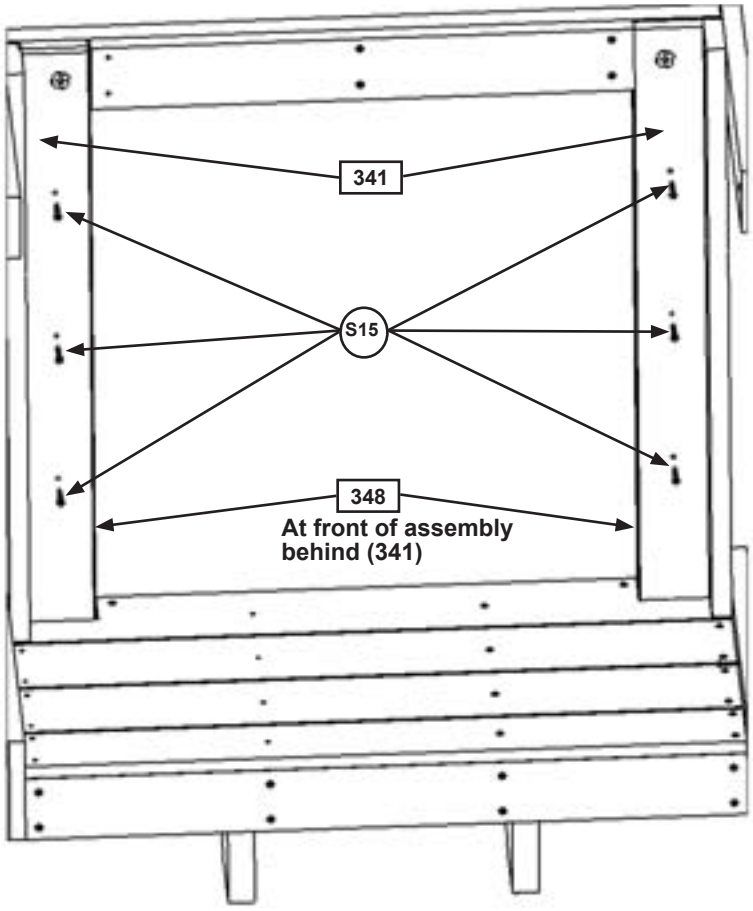


Fig. 34.9
Inside Fort View



Wood Parts

2 x [348] Crowsnest Face FSC 2 x 4 x 27-3/4"

Hardware

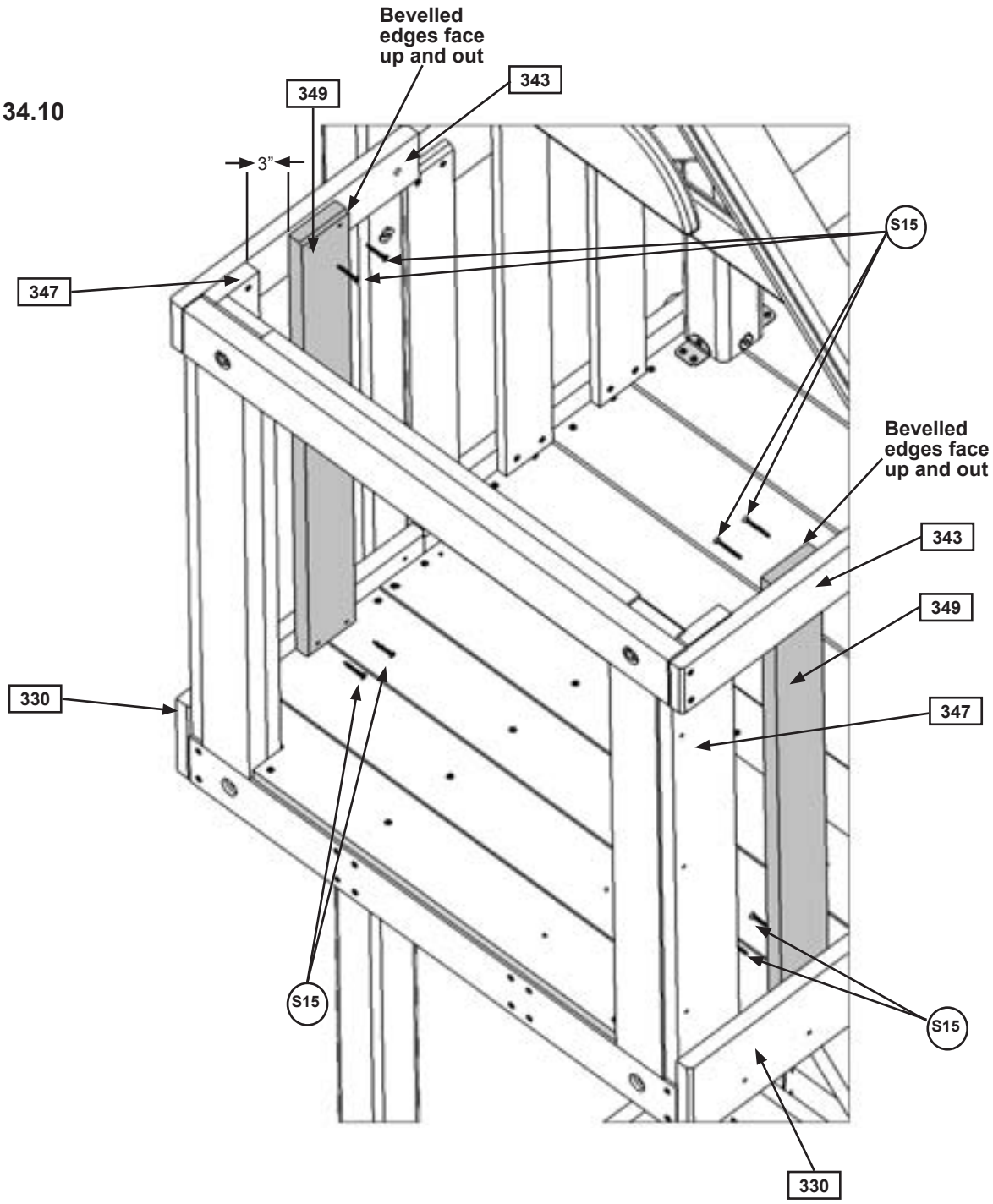
6 x (S3) #8 x 2-1/2" Wood Screw
6 x (S15) #8 x 1-3/4" Wood Screw

support@cedarsummitplay.com

Step 34: Crowsnest Upper Frame Assembly Part 5

K: From the inside of the fort measure 3” from edge of (347) Crowsnest Wall and attach 1 (349) Crowsnest Rail to (330) Crowsnest Bottom Side and (343) Crowsnest Side using 4 (S15) #8 x 1-3/4” Wood Screws. Repeat for other side. (fig. 34.10)

Fig. 34.10



Wood Parts

2 x 349 Crowsnest Rail FSC 5/4 x 4 x 30”

Hardware

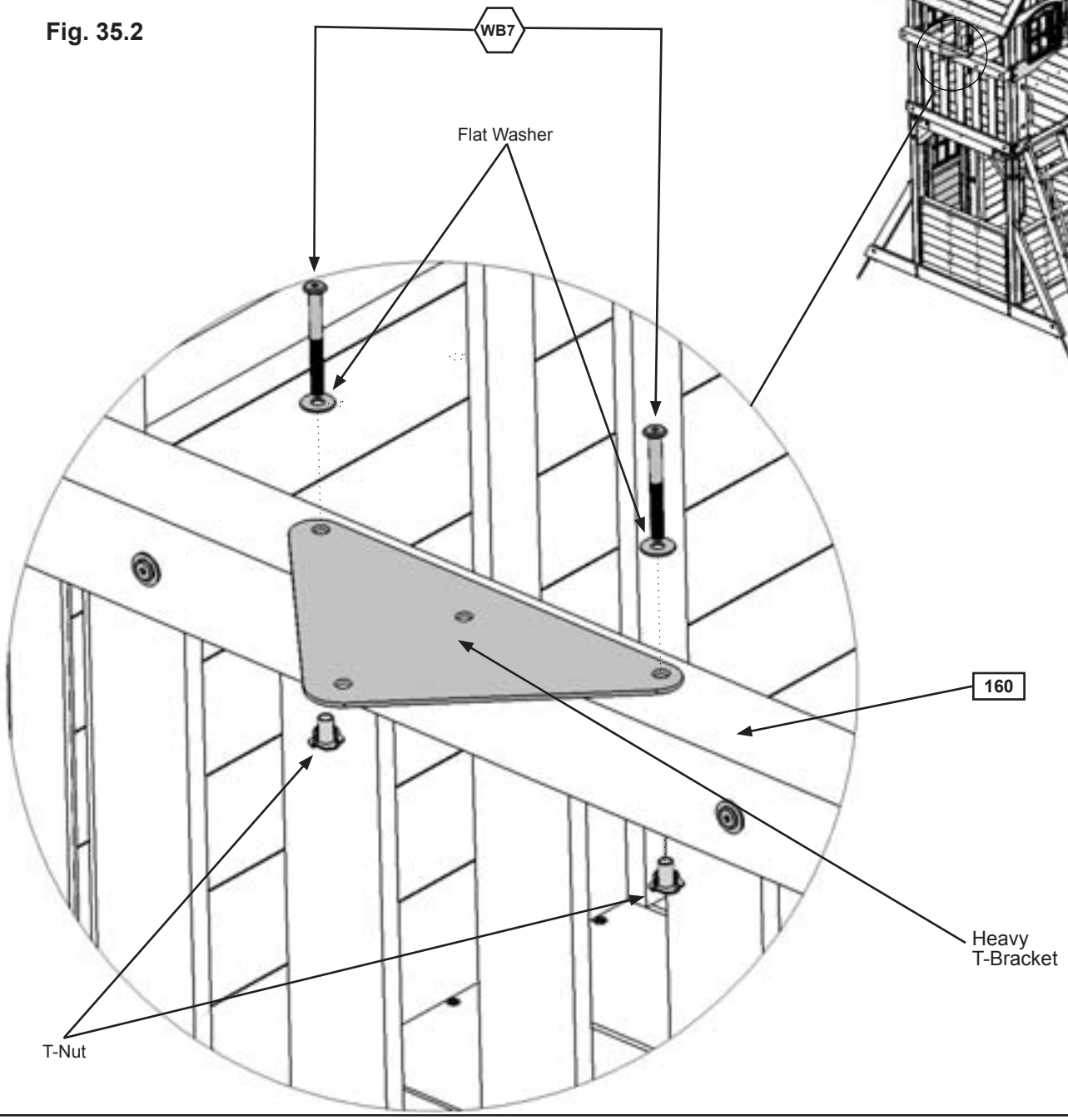
8 x S15 #8 x 1-3/4” Wood Screw

Step 35: Attach Heavy T-Bracket to Fort

A: Attach Heavy T-Bracket to (160) SW Wall using 2 (WB7) 5/16 x 3” Wafer Bolts (with flat washer and t-nut). (fig. 35.1 and 35.2)

Fig. 35.1

Fig. 35.2



Hardware

2 x WB7 5/16 x 3” Wafer Bolt
(5/16” flat washer, 5/16” t-nut)

Other Parts

1 x Heavy T-Bracket

support@cedarsummitplay.com

Step 36: Swing Beam Assembly

A: Attach 6 Heavy Duty Swing Hangers to (360) SW Beam Engineered using 2 (G13) 5/16 x 6-1/8" Hex Bolt (with 2 flat washers, plastic formed washer and lock nut) per swing hanger as shown in fig. 36.1.

B: Attach 1 Quick Clip to each Heavy Duty Swing Hanger. (fig. 36.2)

Fig. 36.2

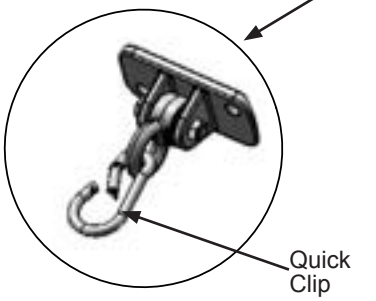
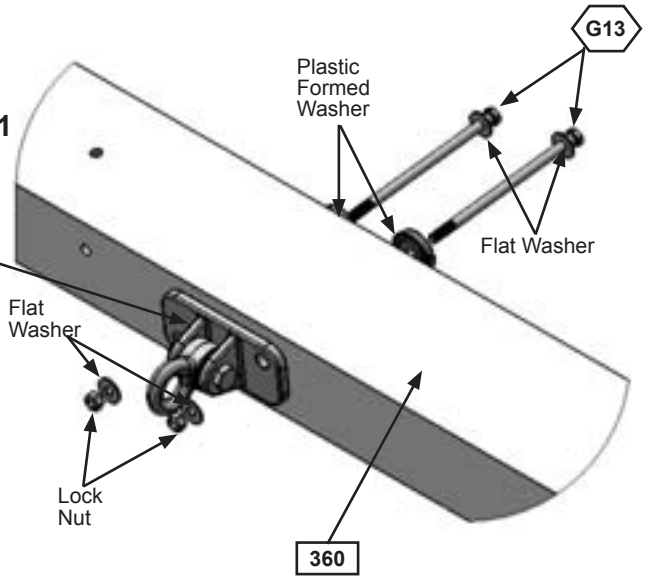


Fig. 36.1



C: Install 4 (WB7) 5/16 x 3" Wafer Bolt (with flat washer, and t-nut) in (360) SW Beam Engineered as shown in fig. 36.3 and 36.4. A Wafer Bolt does not get installed on the Swing Side of the SW Beam.

IMPORTANT! MAKE SURE ALL 4 BOLTS ARE ATTACHED. THEY WILL MINIMIZE CHECKING OF WOOD.

Fig. 36.3

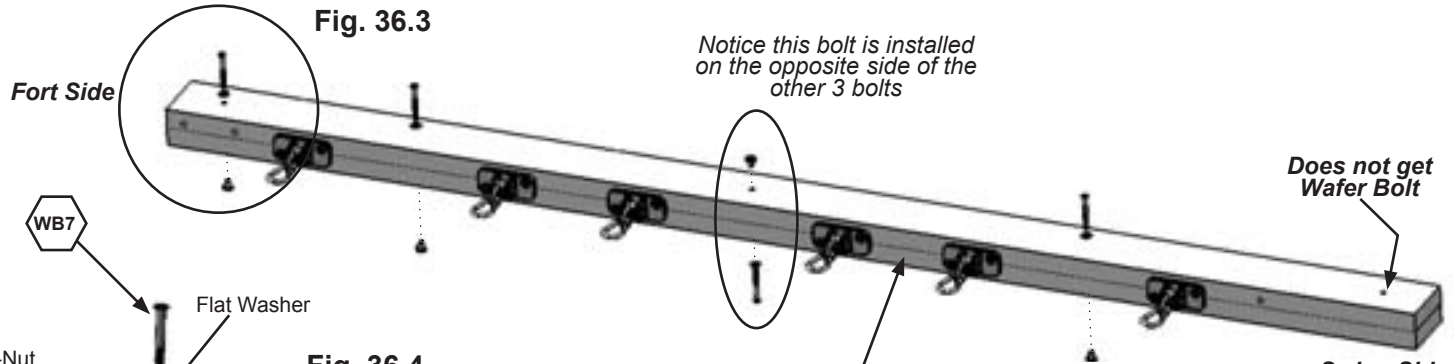
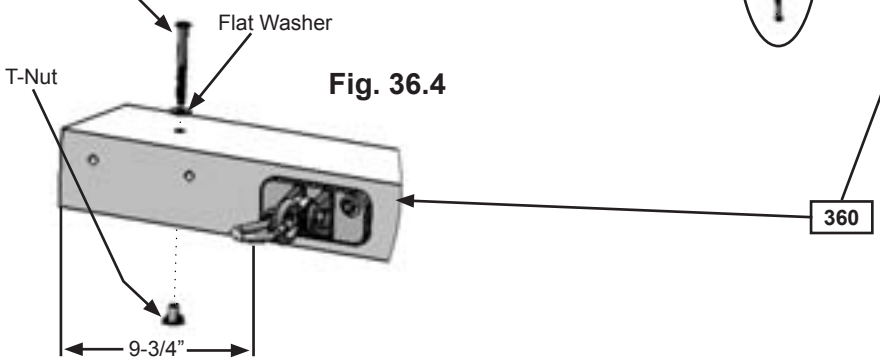


Fig. 36.4



Wood Parts

1 x 360 SW Beam Engineered FSC 4 x 6 x 110"

Hardware

12 x G13 5/16 x 6-1/8" Hex Bolt (5/16" flat washer x 2, 5/16" lock nut & plastic formed washer)

4 x WB7 5/16 x 3" Wafer Bolt (5/16" flat washer, 5/16" t-nut)

Other Parts

6 x Heavy Duty Swing Hangers

6 x Quick Clips

Step 37: Swing Post Assembly Part 1

Note: Keep all bolts from Step 37 series loose until start of Step 39

A: Place (370) Angle SW Block on top of (371) SW Block and attach 2 Heavy L-Brackets on top of (370) Angle SW Block feeding 2 (G17) 3/8 x 6" Hex Bolts (with 2 flat washers, plastic formed washer and lock nut) through both boards as shown in fig. 37.1 and 37.2.

B: Attach 3 (WB7) 5/16 x 3" Wafer Bolts (with flat washer and t-nut) to all three holes in each (372) SW Post as shown in fig. 37.3 and 37.4. **IMPORTANT! MAKE SURE ALL 6 BOLTS ARE ATTACHED TO MINIMIZE CHECKING OF WOOD.**

C: Place (370) Angle SW Block & (371) SW Block assembly in between 2 (372) SW Posts (Heavy L-Brackets towards the outside). Place 1 Heavy G-Bracket on the top (372) SW Post and attach with (G23) 3/8 x 9-3/4" Hex Bolt (with 2 flat washers and 1 lock nut) as shown in fig. 37.5.

Fig. 37.1
Bottom View

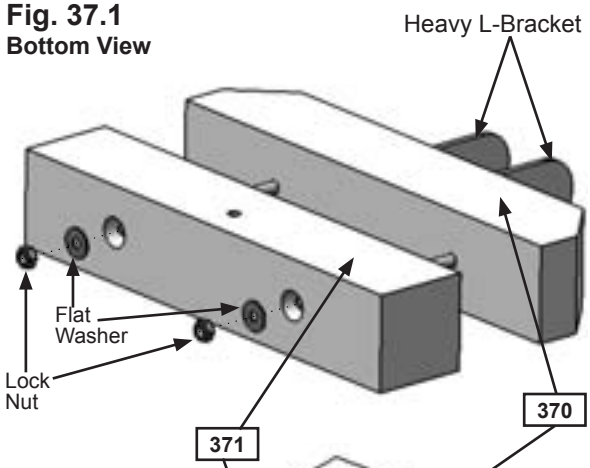


Fig. 37.2
Top View

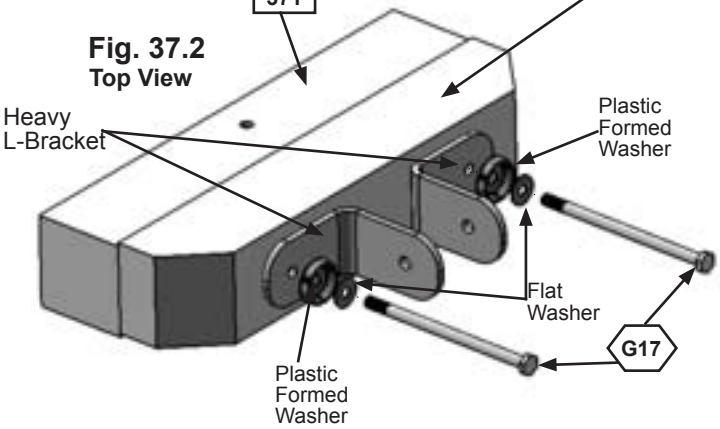


Fig. 37.5

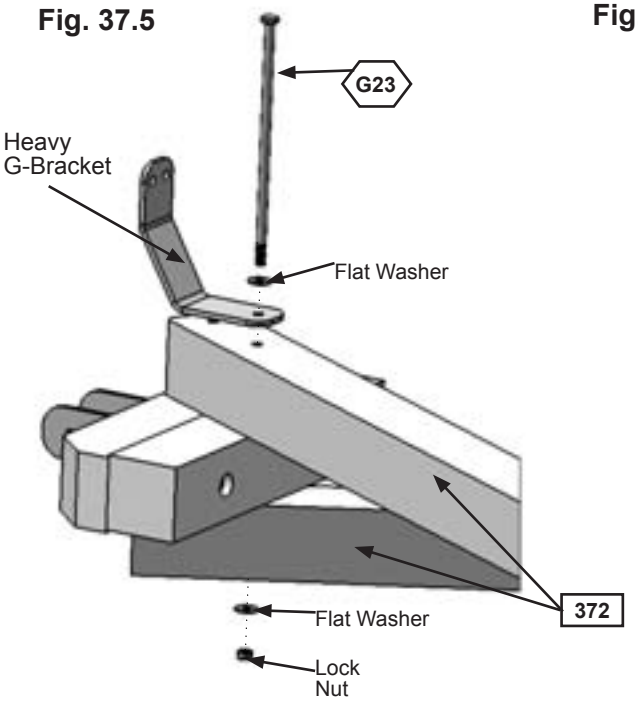


Fig. 37.3

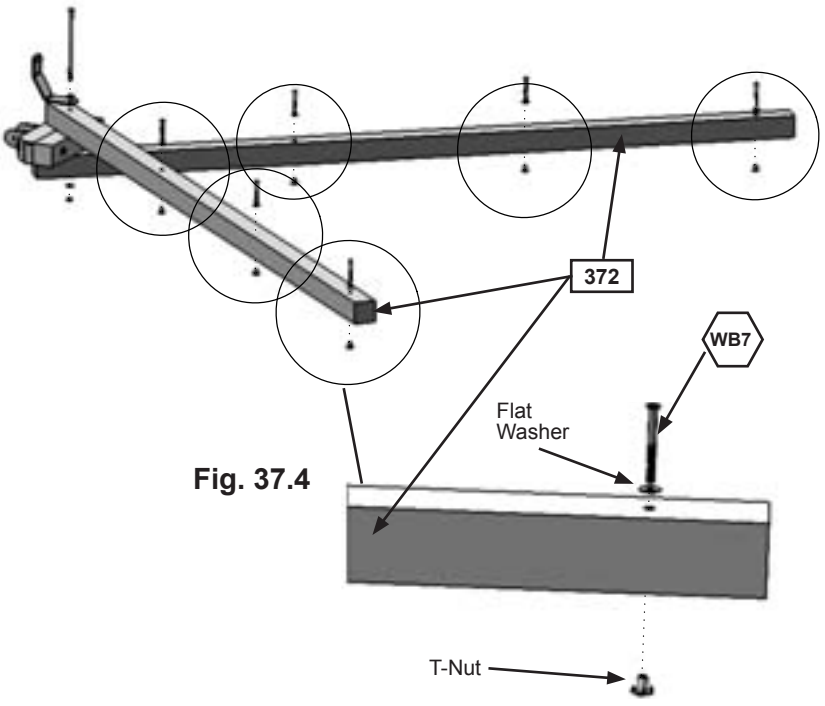


Fig. 37.4

Wood Parts

- 1 x 370 **Angle SW Block FSC 4 x 4 x 15"**
- 1 x 371 **SW Block FSC 4 x 4 x 15"**
- 2 x 372 **SW Post FSC 4 x 4 x 105"**

Hardware

- 2 x G17 **3/8 x 6" Hex Bolt (3/8" flat washer x 2, plastic formed washer & 3/8" lock nut)**
- 1 x G23 **3/8 x 9-3/4" Hex Bolt (3/8" flat washer x 2 & 3/8" lock nut)**
- 6 x WB7 **5/16 x 3" Wafer Bolt (5/16" flat washer & 5/16" t-nut)**

Other Parts

- **2 x Heavy L-Bracket**
- **1 x Heavy G-Bracket**

Step 37: Swing Post Assembly Part 2

D: Attach Cedar Summit plaque to centre of (360) SW Beam Engineered (over top of t-nut) using 4 (S18) #6 x 1” Wood Screws. (fig. 37.6)

E: Place (360) SW Beam Engineered on T-Bracket and attach to fort with 1 (G17) 3/8 x 6” Hex Bolt (with 2 flat washers, plastic formed washer and lock nut) and 1 (G18) 3/8 x 9” Hex Bolt (with 2 flat washers, plastic formed washer and lock nut) as shown in fig. 37.7 and 37.8.

F: Place (360) SW Beam Engineered (end without Wafer Bolt from Step 36) in between Heavy L-Brackets assembled in Step A making sure holes are lined up then attach Swing Post Assembly to Swing Beam Assembly using 1 (G14) 3/8 x 4-1/4” Hex Bolt (with 2 flat washers and lock nut) through Heavy L-Bracket. (fig. 37.9)

G: Attach (360) SW Beam Engineered to Heavy G-Bracket with 1 (G17) 3/8 x 6” Hex Bolt (with 2 flat washers, plastic formed washer and lock nut). (fig. 37.9)

Fig. 37.7

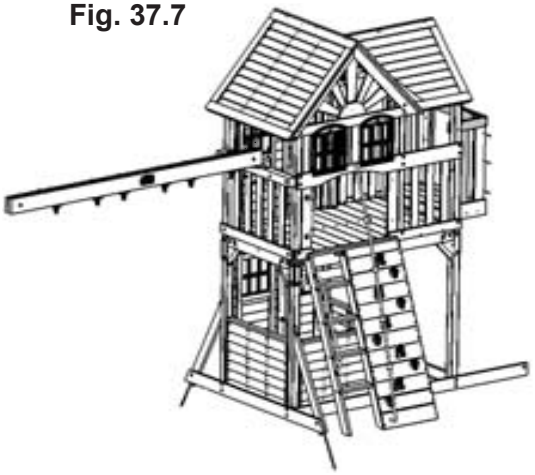


Fig. 37.8

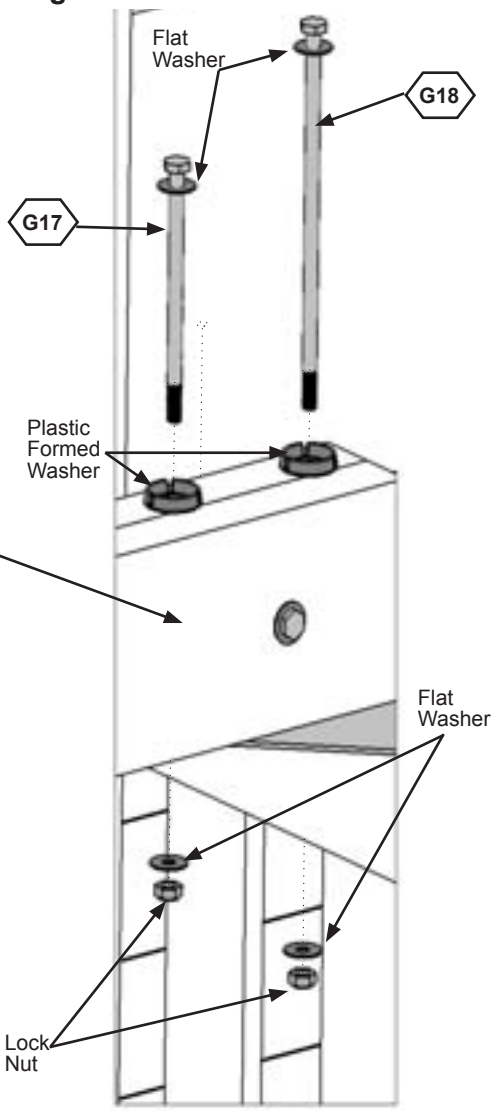


Fig. 37.6

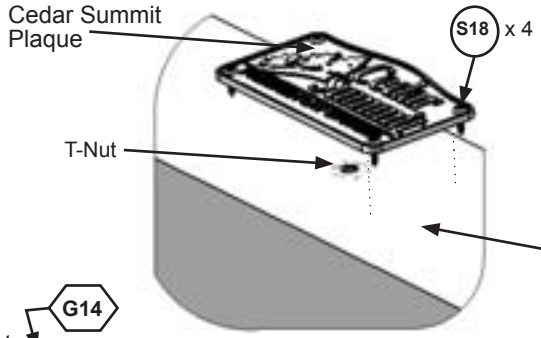
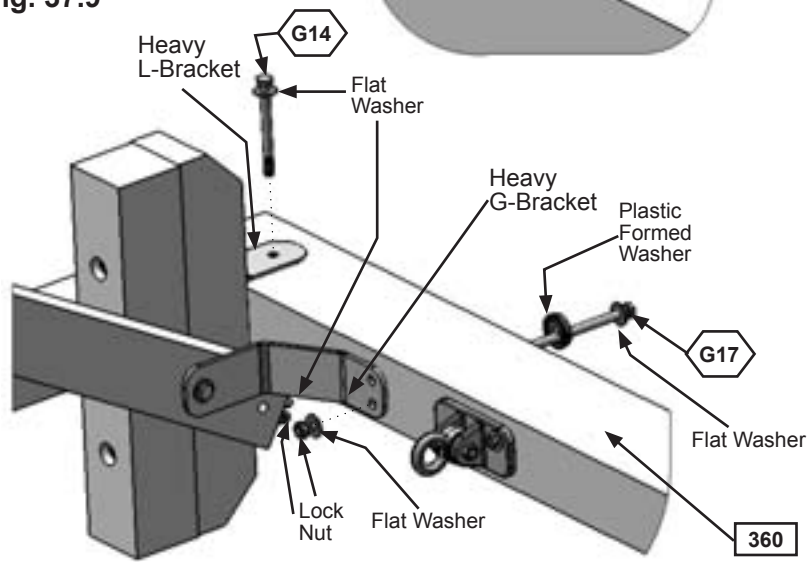


Fig. 37.9



Hardware

- 4 x (S18) **#6 x 1” Wood Screw**
- 1 x (G14) **3/8 x 4-1/4” Hex Bolt (3/8” flat washer x 2 & 3/8” lock nut)**
- 2 x (G17) **3/8 x 6” Hex Bolt (3/8” flat washer x 2, plastic formed washer & 3/8” lock nut)**
- 1 x (G18) **3/8 x 9” Hex Bolt (3/8” flat washer x 2, plastic formed washer & 3/8” lock nut)**

Other Parts

- **1 x Cedar Summit plaque**

support@cedarsummitplay.com

Step 38: Attach Cross Support

Pre-drill all holes using a 3/16" drill bit before installing the lag screws.

A: Check to make sure the (360) SW Beam Engineered is level and the bottom of the beam to the ground measures 85". (fig. 38.1)

B: To adjust for uneven ground, raise or lower the (380) Cross Support on the (372) SW Posts. Make sure the Cross Support is level prior to attaching with the lag screws. (fig. 38.2)

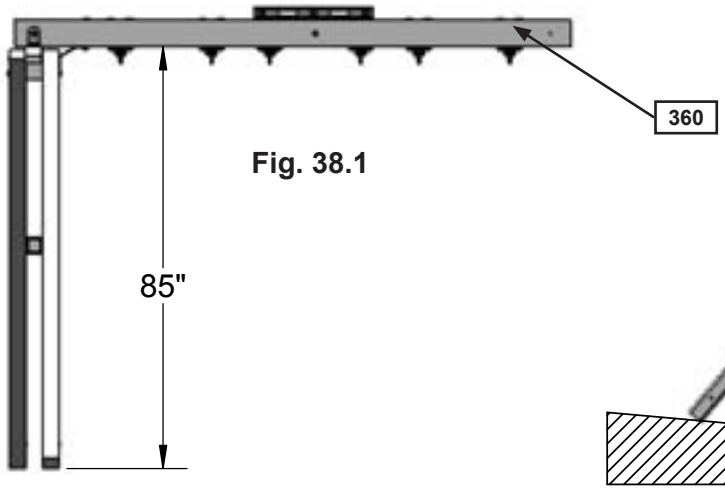


Fig. 38.1

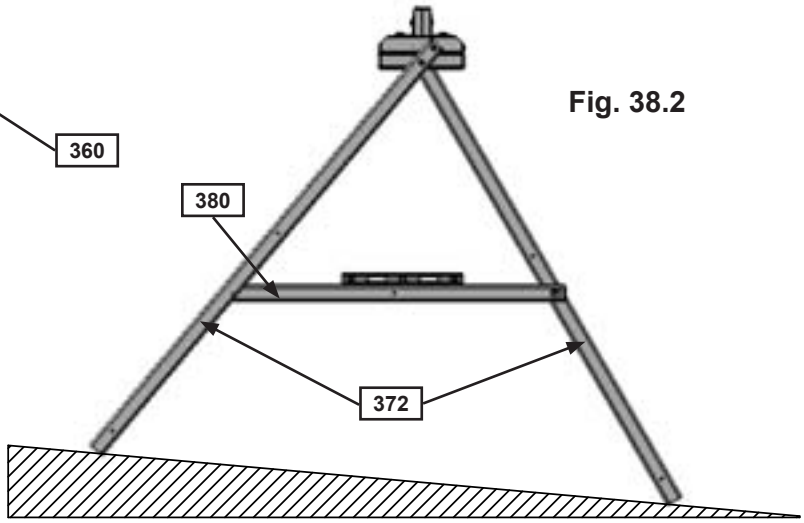


Fig. 38.2

C: Place (380) Cross Support between (372) SW Posts at the previously determined spot and fasten with 1 (LS9) 5/16 x 4-3/4" Lag Screw (with flat washer) per side. (fig. 38.3 and 38.4) **Notice one side is fastened on the outside and one on the inside. It is important that each side is positioned exactly the same as the diagram. (fig. 38.3) Tighten the lag screw when you are sure the Cross Support is level.**

D: Attach 1 (WB7) 5/16 x 3" Wafer Bolt (with flat washer and t-nut) to (380) Cross Support through middle hole. (fig. 38.3) **IMPORTANT! MAKE SURE THE BOLT IS ATTACHED TO MINIMIZE CHECKING OF WOOD.**

Fig. 38.4

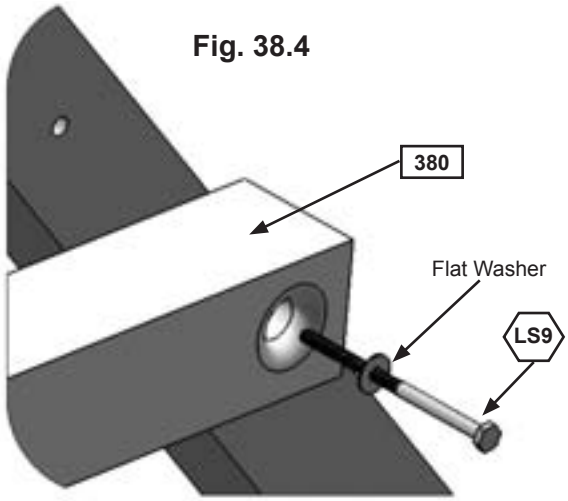
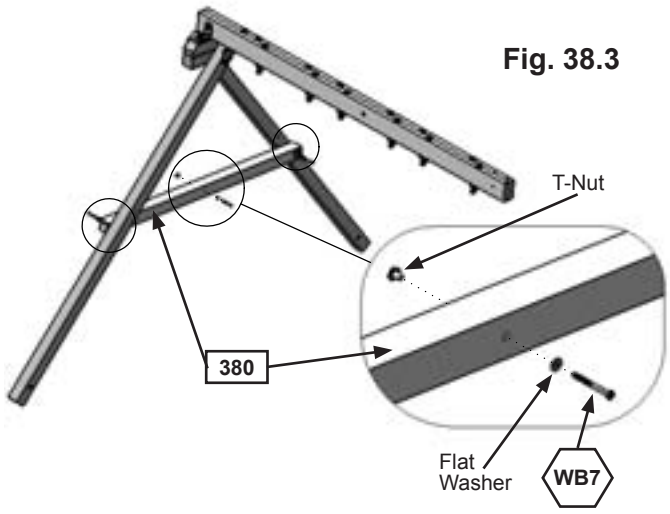


Fig. 38.3



Wood Parts

1 x 380 Cross Support FSC 4 x 4 x 64"

Hardware

2 x LS9 5/16 x 4-3/4" Lag Screw (5/16" flat washer)

1 x WB7 5/16 x 3" Wafer Bolt (5/16" flat washer, 5/16" t-nut)

support@cedarsummitplay.com

Step 39: Final Swing Post Assembly

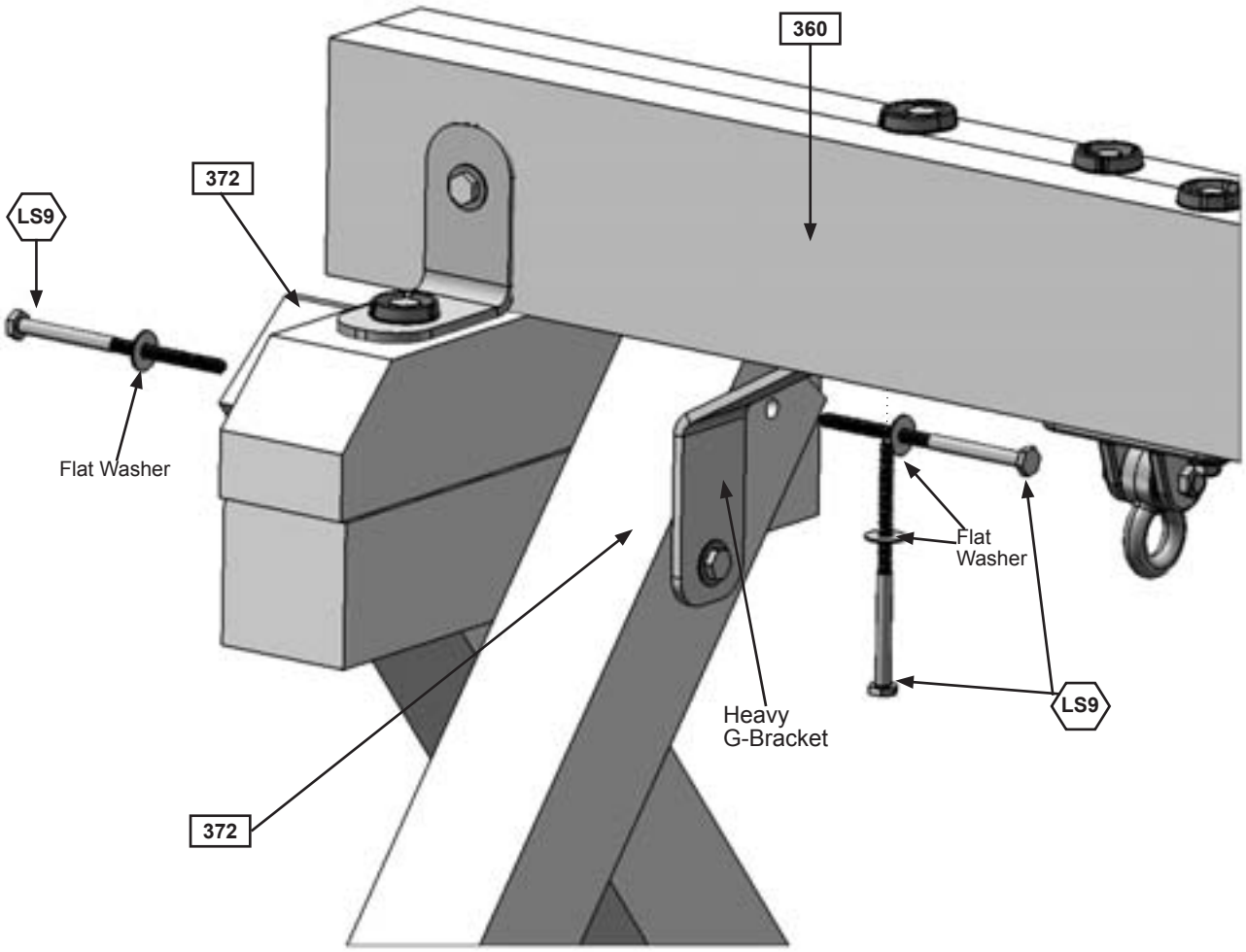
Pre-drill all holes using a 3/16" drill bit before installing the lag screws.

Note: Tighten all bolts from Step 37 series before installing lag screws.

A: Attach 1 (LS9) 5/16 x 4-3/4" Lag Screw (with flat washer) into each (372) SW Post as shown in fig. 39.1.

B: Attach 1 (LS9) 5/16 x 4-3/4" Lag Screw (with flat washer) into remaining hole of the Heavy G-Bracket into (360) SW Beam Engineered. (fig. 39.1)

Fig. 39.1



Hardware

3 x LS9 5/16 x 4-3/4" Lag Screw (5/16" flat washer)

Step 40: Attach Swings

A: Using 1 Threaded Clip per chain, join 1 Long Swing Chain to each side of the swing belt seat. Make sure to close the Threaded Clip tightly using an adjustable wrench. (fig. 40.1 and 40.2).

B: Using 1 Threaded Clip per chain, join the Short Swing Chain to the Acro Bar and Acro Handle. Make sure to close the Threaded Clip tightly using an adjustable wrench (fig. 40.2 and 40.3)

C: Attach the other end of the swing chains to the Quick Clips attached to the swing hangers. (fig. 40.1)

Fig. 40.1

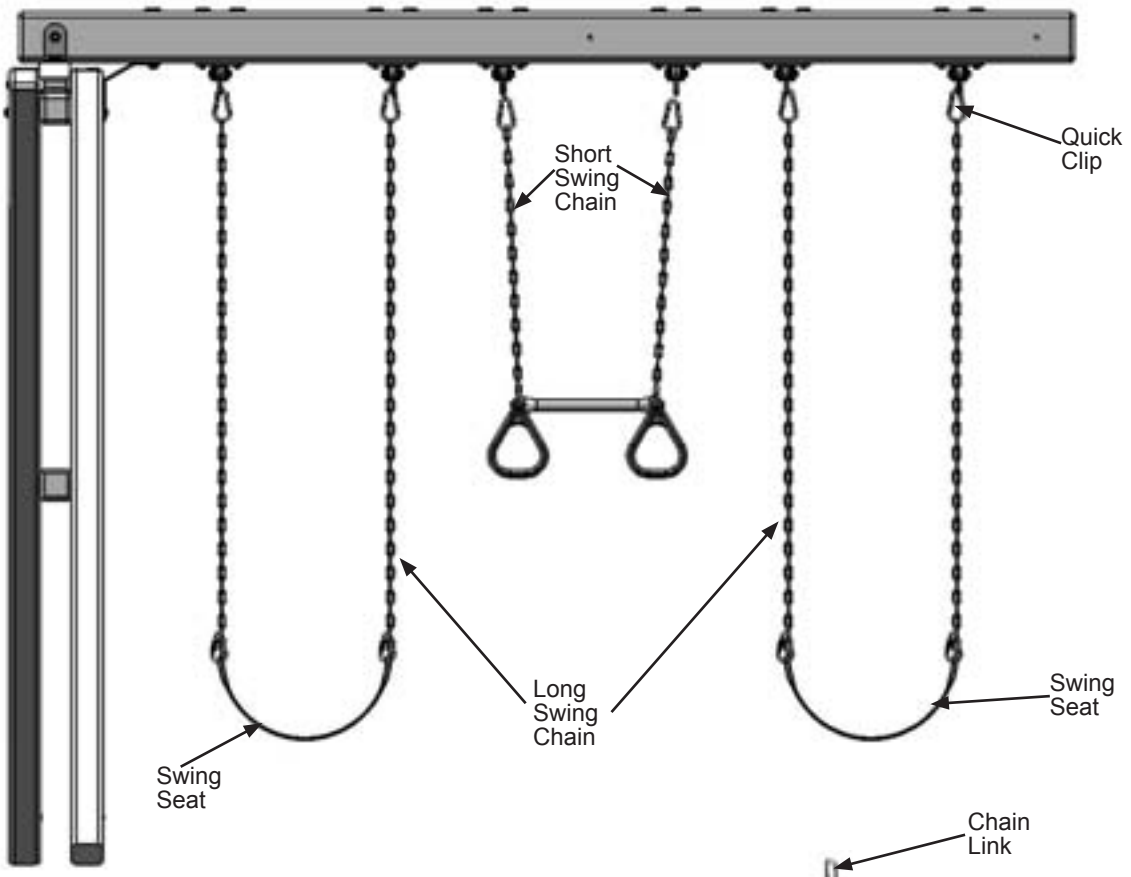
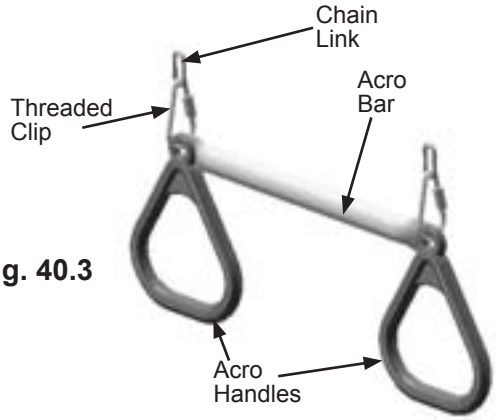


Fig. 40.2

Tighten Clip using adjustable wrench

Threaded Clips attach to seat and acro bar.

Fig. 40.3



Other Parts

1 x Acro Bar
2 x Acro Handle
2 x Swing Belt Seat
2 x Short Swing Chain
4 x Long Swing Chain
6 x Threaded Clips

Step 41: Attach Swing End Ground Stakes

A: In the 2 places shown in fig. 41.1 drive the Rebar Ground Stakes 13” into the ground against the boards. Be careful not to hit the washer while hammering stakes into the ground as this could cause the washer to break off.

B: Attach ground stakes to (372) SW Posts using 1 (S7) #12 x 2” Pan Screw per ground stake as shown in fig. 41.2.

Warning! To prevent tipping and avoid potential injury, stakes must be driven 13” into ground. Digging or driving stakes can be dangerous if you do not check first for under-ground wiring, cables or gas lines.

Fig. 41.1

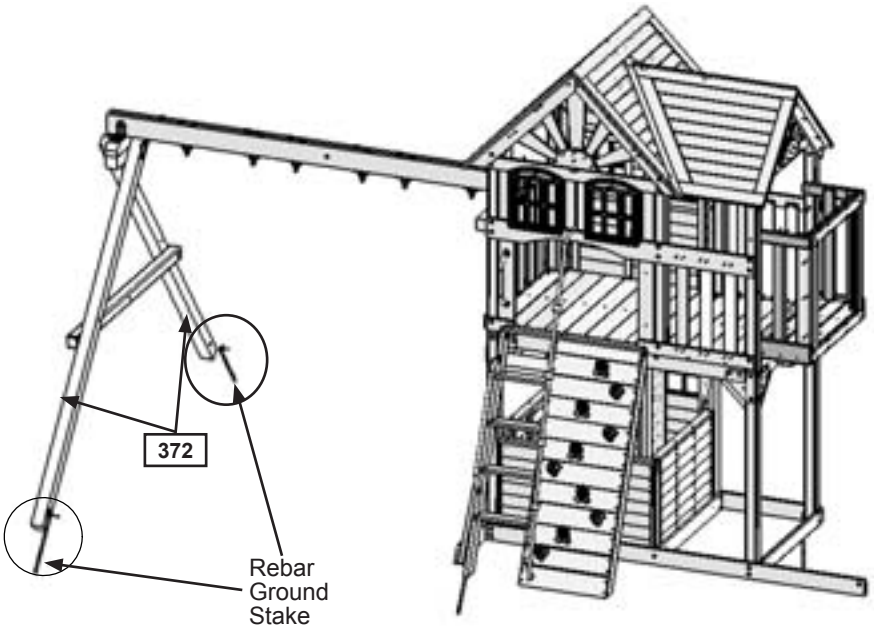
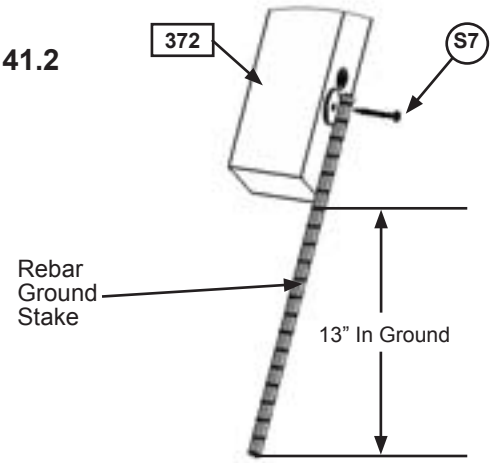


Fig. 41.2



Warning! Check entire play center for bolts protruding beyond T-Nuts. Use extra washers to elimate this condition.

Hardware	Other Parts
2 x (S7) #12 x 2” Pan Screw	2 x Rebar Ground Stakes

Step 42: Slide Section Assemblies Part 1

Note: When installing Pan Bolts make sure to look at holes so bolts go through the side with the round recess and the lock nuts go through the side with the hexagonal recess. (fig. 42.3)

A: Fit 2 TNR2 Slide Elbows together and attach with 8 (PB1) 1/4 x 3/4" Pan Bolts (with lock nut) as shown in fig. 42.1. It is very important to attach bolts as indicated.

B: Repeat Step A 3 more times to create 4 Elbow Sections in total.

C: Attach TNR2 Slide RT Flange and TNR2 Slide LT Flange together using 4 (PB1) 1/4 x 3/4" Pan Bolts (with lock nut) as shown in fig. 42.2. This creates the Flange Assembly.

Fig. 42.1

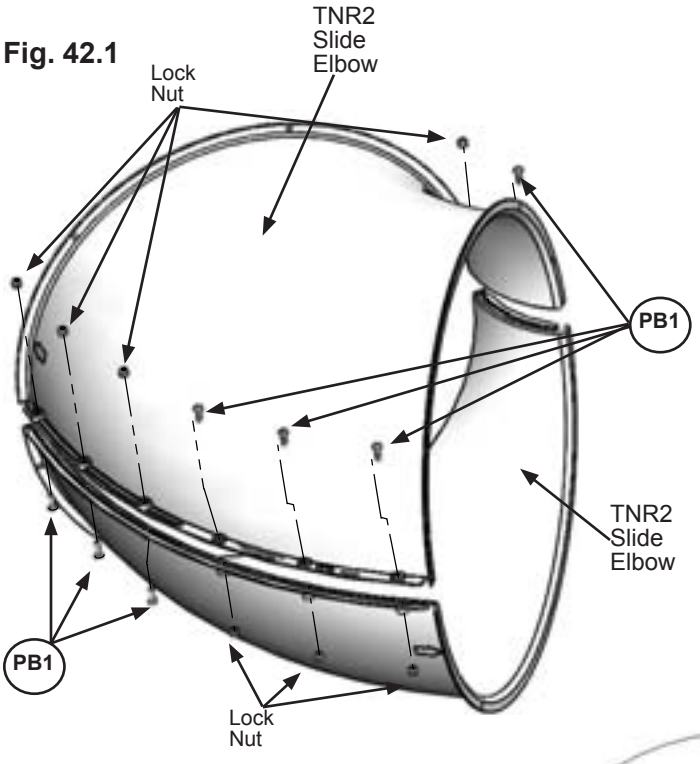


Fig. 42.2 Flange Assembly

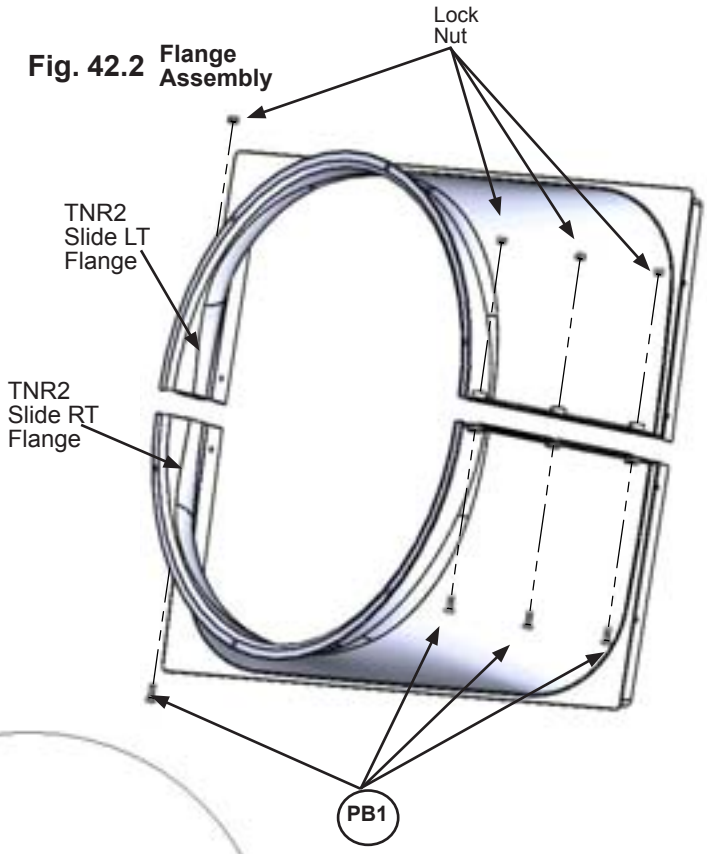
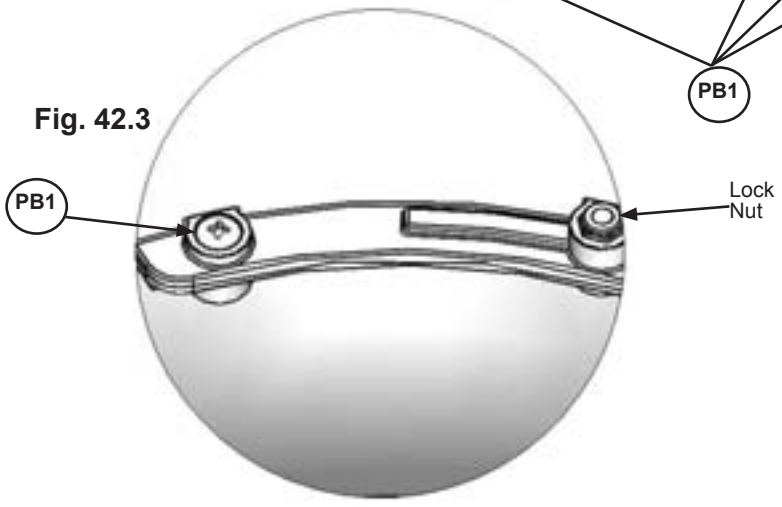


Fig. 42.3



Use a 7/16" open end wrench for nuts

Hardware

36 x (PB1) 1/4 x 3/4" Pan Bolt (1/4" lock nut)

Other Parts

1 x TNR2 Slide LT Flange
1 x TNR2 Slide RT Flange
8 x TNR2 Slide Elbow

Step 42: Slide Section Assemblies Part 2

Note: When installing Pan Bolts make sure to look at holes so bolts go through the side with the round recess and the lock nuts go through the side with the hexagonal recess. (fig. 42.3)

D: Attach TNR2 Slide Exit Elbow and the remaining TNR2 Slide Elbow together using 8 (PL1) 1/4 x 3/4" Pan Bolts (with lock nut) as shown in fig. 42.4. It is very important to attach bolts as indicated. This creates the Exit Elbow Assembly.

Fig. 42.4

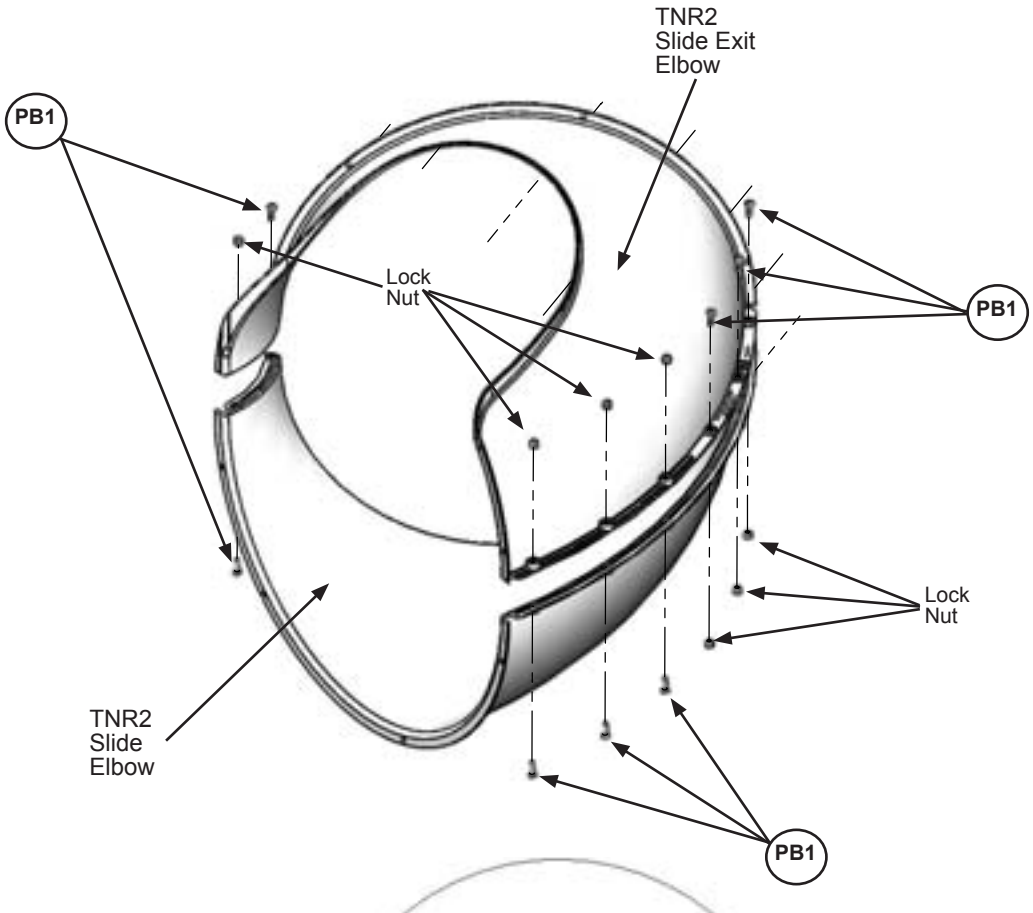
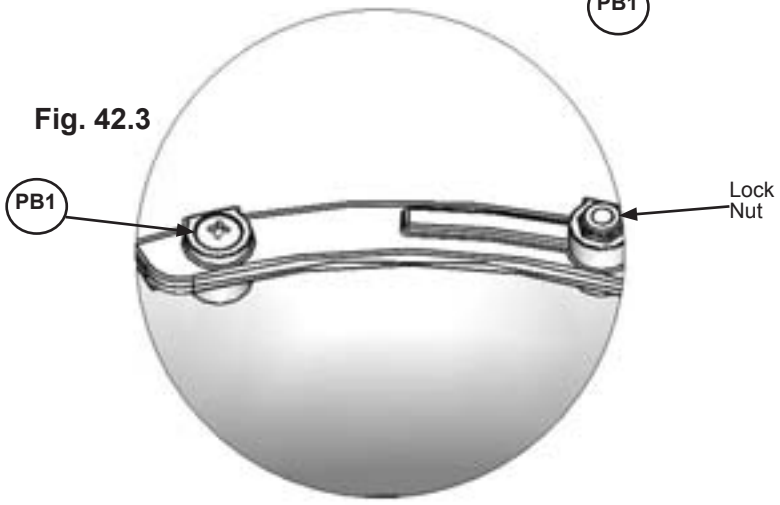


Fig. 42.3



Hardware

8 x (PB1) 1/4 x 3/4" Pan Bolt (1/4" lock nut)

Other Parts

1 x TNR2 Slide Exit Elbow
1 x TNR2 Slide Elbow

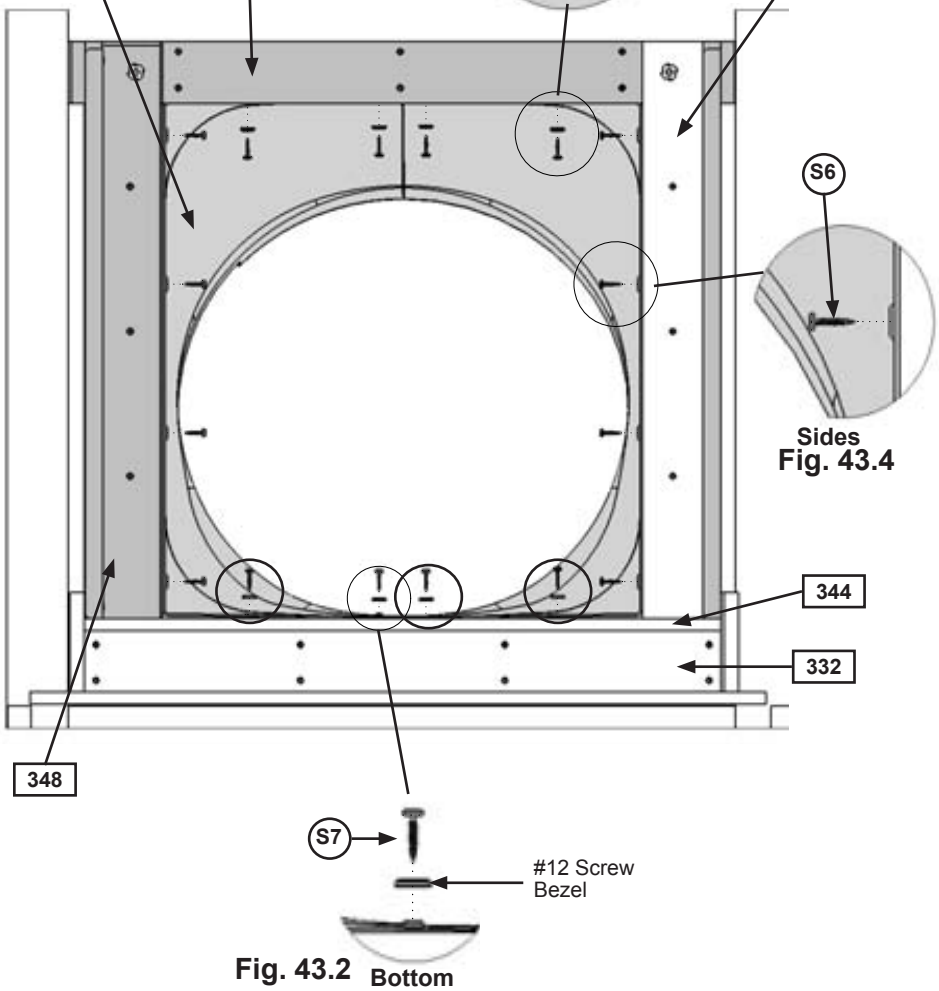
Step 43: Attach Flange Assembly to Fort

A: With a helper place the Flange Assembly flush to the Crowsnest on the fort as shown in fig. 43.1, then pre-drill 1/8" pilot holes in the bottom 4 mounting locations on (344) Crowsnest Gap (approximate spots where circles are on figure), making sure the pre-drilled holes are a minimum of 1" deep.

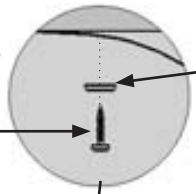
B: Attach Flange Assembly to the Crowsnest through (344) Crowsnest Gap and into (332) Crowsnest Front using 4 (S7) #12 x 2" Pan Screws (with #12 Screw Bezel) in the pre-drilled holes. (fig. 43.1 and 43.2) Make sure the flat surfaces of the Flange Assembly are flush to the Crowsnest as shown in fig. 43.5.

C: Attach the Flange Assembly flush to (340) Crowsnest SL Top using 4 (S6) #12 x 1" Pan Screws (with #12 Screw Bezel) as shown in fig. 43.1 and 43.3 and to both (348) Crowsnest Faces using 4 (S6) #12 x 1" Pan Screw per board. (fig. 43.1 and 43.4)

Fig. 43.1



Top
Fig. 43.3



Sides
Fig. 43.4

Fig. 43.2 **Bottom**

Fig. 43.6

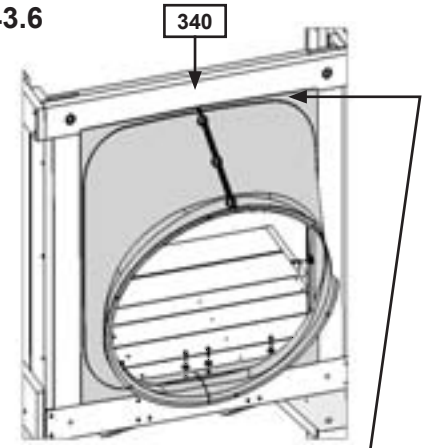
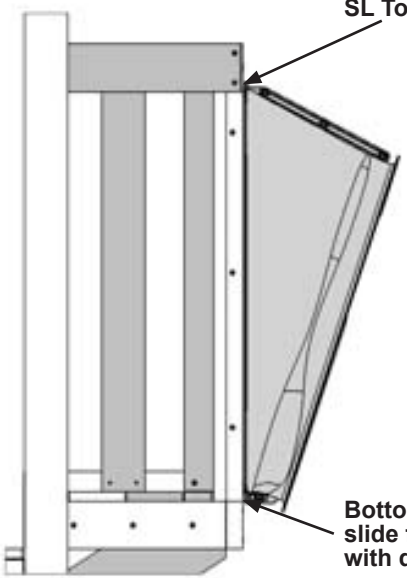


Fig. 43.5



Hardware

12x	S6	#12 x 1" Pan Screw
4 x	S7	#12 x 2" Pan Screw
8 x		#12 Screw Bezel

support@cedarsummitplay.com

Step 44: Attach Elbow Assembly to Flange Assembly Part 1

Note: When installing Pan Bolts make sure to look at holes so bolts go through the side with the round recess and the lock nuts go through the side with the hexagonal recess. Keep all bolts loose until further step.

A: Fit one of the Elbow Assemblies to the Flange Assembly by lining up the arrows on each assembly. (fig. 44.2 and 44.3)

B: Attach 1 TNR2 Slide Clamp Ring to the top of the joined Assemblies using 3 (PB1) 1/4 x 3/4" Pan Bolts (with lock nut), making sure to match the arrows up with the end of the clamp ring (where a seam will be) as shown in fig. 44.2 and 44.3.

Use Quadrex Driver as a guide pin for each hole before inserting bolt. (fig. 44.3)

Quadrex Driver

Use special driver provided in locations where the curve of the elbow are difficult to reach with a standard driver.

Fig. 44.1

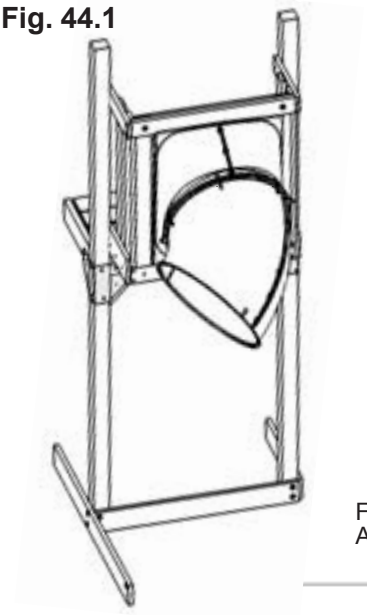
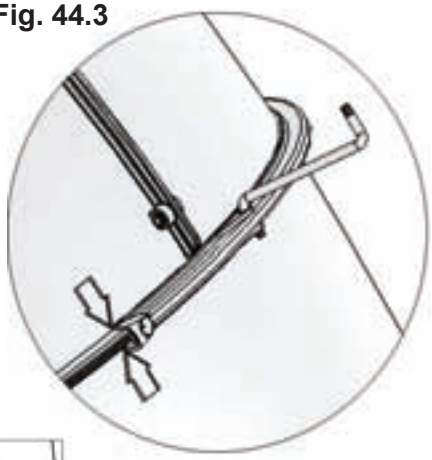


Fig. 44.4

Do not install bolt in Clamp Ring ends until Step 44D

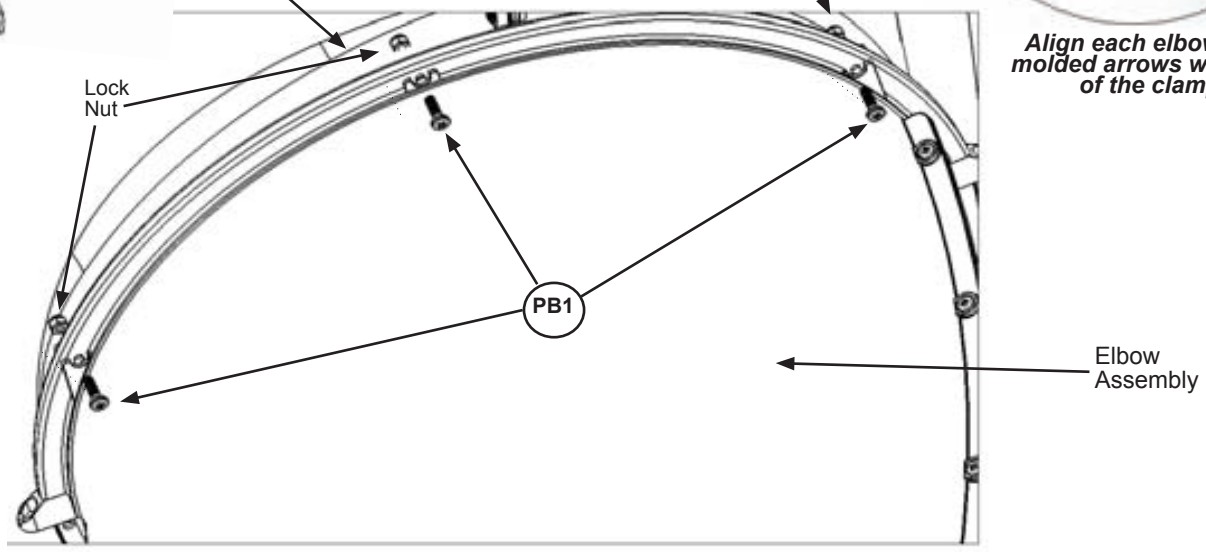
Fig. 44.3



Align each elbow using the molded arrows with the seam of the clamp ring.

Fig. 44.2

Top Slide Bolt Holes



Hardware

3 x (PB1) 1/4 x 3/4" Pan Bolt (1/4" lock nut)

Other Parts

1 x Quadrex Driver
1 x TNR2 Slide Clamp Ring

Step 44: Attach Elbow Assembly to Flange Assembly Part 2

Note: When installing Pan Bolts make sure to look at holes so bolts go through the side with the round recess and the lock nuts go through the side with the hexagonal recess. Keep all bolts loose until further step.

C: Attach 1 TNR2 Slide Clamp Ring to the bottom of the joined Assemblies using 2 (PB1) 1/4 x 3/4" Pan Bolts (with lock nut) on one side and 1 (PB1) 1/4 x 3/4" Pan Bolts (with lock nut) in the other side, making sure to match the arrows up with the end of the clamp ring (where a seam will be) as shown in fig. 44.5, 44.6 and 44.7.

D: Connect the 2 TNR2 Slide Clamp Rings together in 2 spots using 1 (PB1) 1/4 x 3/4" Pan Bolt (with lock nut) per hole. Make sure seams and arrows line up and then tighten all bolts. (fig. 44.8 and 44.9).

Fig. 44.5

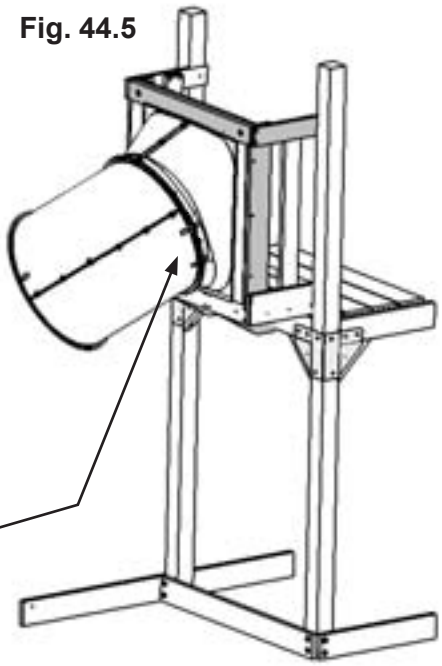


Fig. 44.6

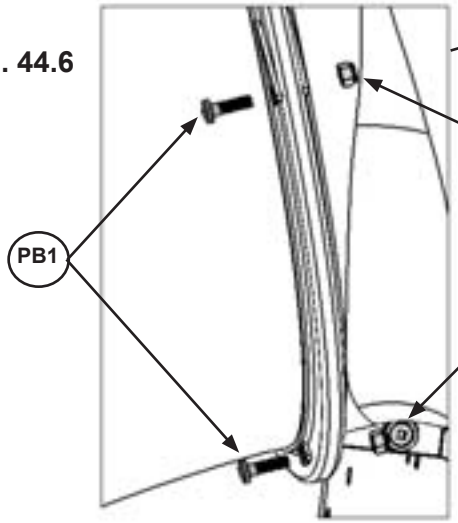


Fig. 44.7 (Side not shown)

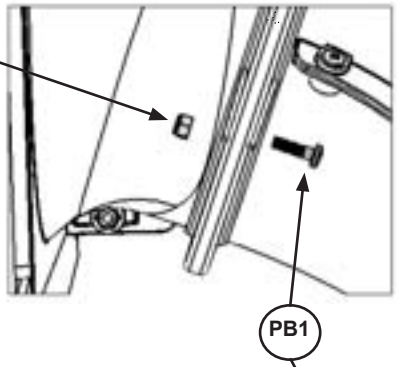


Fig. 44.8

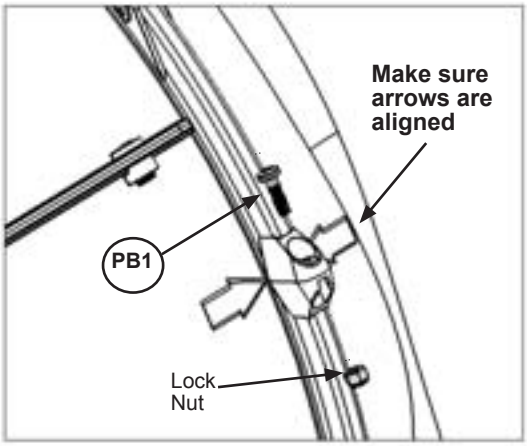
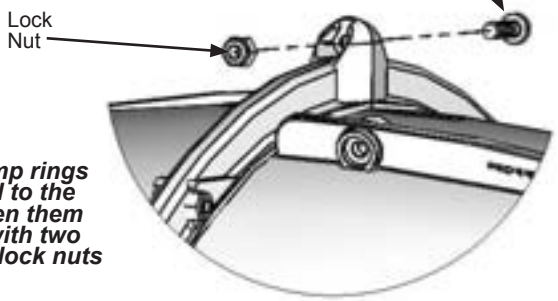


Fig. 44.9



After the clamp rings are attached to the elbows, fasten them end to end with two pan bolts and lock nuts

Hardware

5 x (PB1) 1/4 x 3/4" Pan Bolt (1/4" lock nut)

Other Parts

1 x TNR2 Slide Clamp Ring

Step 45: Attach Elbow Assembly to Elbow Assembly Part 1

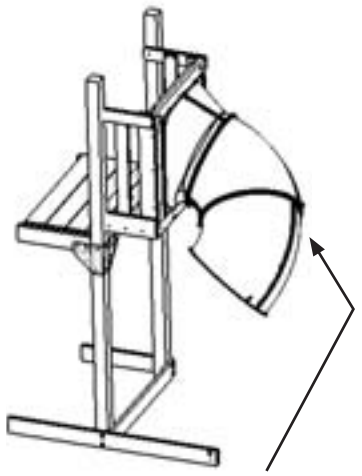
Note: When installing Pan Bolts make sure to look at holes so bolts go through the side with the round recess and the lock nuts go through the side with the hexagonal recess. Keep all bolts loose until further step.

A: Fit a second Elbow Assemblies to the first Elbow Assembly by lining up the arrows on each assembly. Notice the elbow orientation. (fig. 45.1)

B: Attach 1 TNR2 Slide Clamp Ring to the top of the joined Assemblies using 3 (PB1) 1/4 x 3/4" Pan Bolts (with lock nut), making sure to match the arrows up with the end of the clamp ring (where a seam will be) as shown in fig. 45.2 and 45.3.

Use Quadrex Driver as a guide pin for each hole before inserting bolt.

Fig. 45.1



Do not install bolt in Clamp Ring ends until Step 45D

Fig. 45.2

Top Slide Bolt Holes

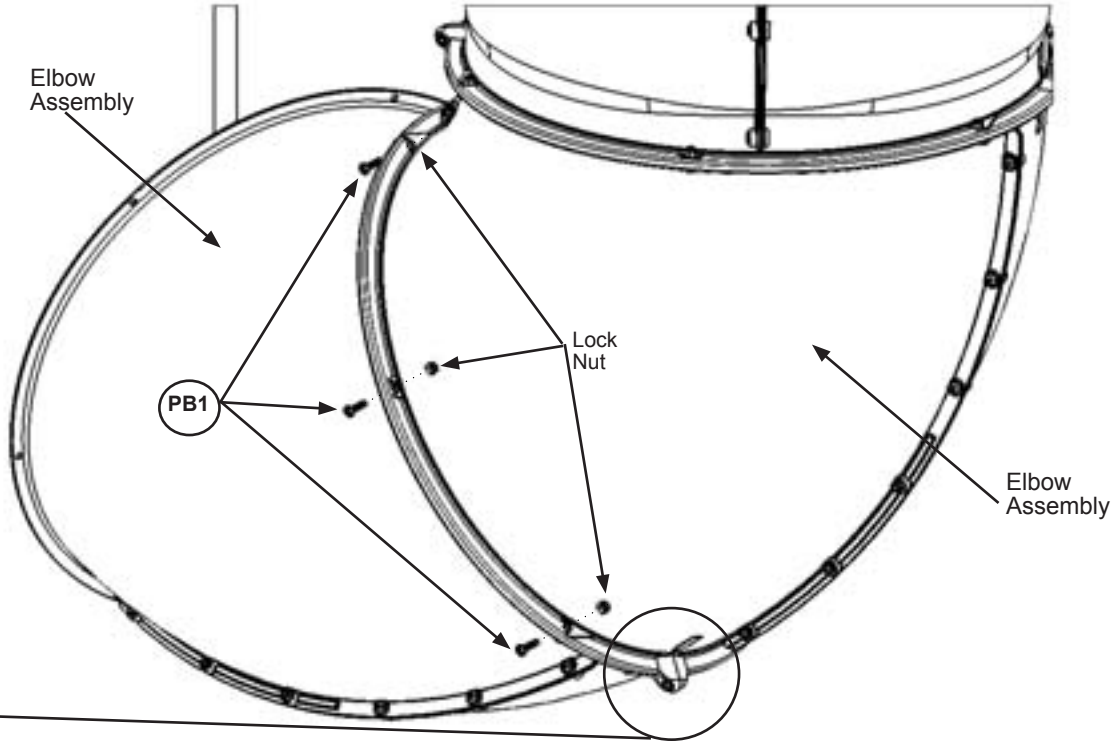
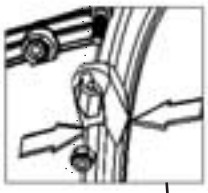


Fig. 45.3



Make sure arrows are aligned

Hardware

3 x (PB1) 1/4 x 3/4" Pan Bolt (1/4" lock nut)

Other Parts

1 x TNR2 Slide Clamp Ring

Step 45: Attach Elbow Assembly to Elbow Assembly Part 2

Note: When installing Pan Bolts make sure to look at holes so bolts go through the side with the round recess and the lock nuts go through the side with the hexagonal recess. Keep all bolts loose until further step.

C: Attach 1 TNR2 Slide Clamp Ring to the bottom of the joined Assemblies using 3 (PB1) 1/4 x 3/4" Pan Bolts (with lock nut), making sure to match the arrows up with the end of the clamp ring (where a seam will be) as shown in fig. 45.3 and 45.4.

D: Connect the 2 TNR2 Slide Clamp Rings together in 2 spots using 1 (PB1) 1/4 x 3/4" Pan Bolt (with lock nut) per hole. Make sure seams and arrows line up and then tighten all bolts. (fig. 45.3 and 45.5).

Fig. 45.4

Bottom Slide Bolt Holes

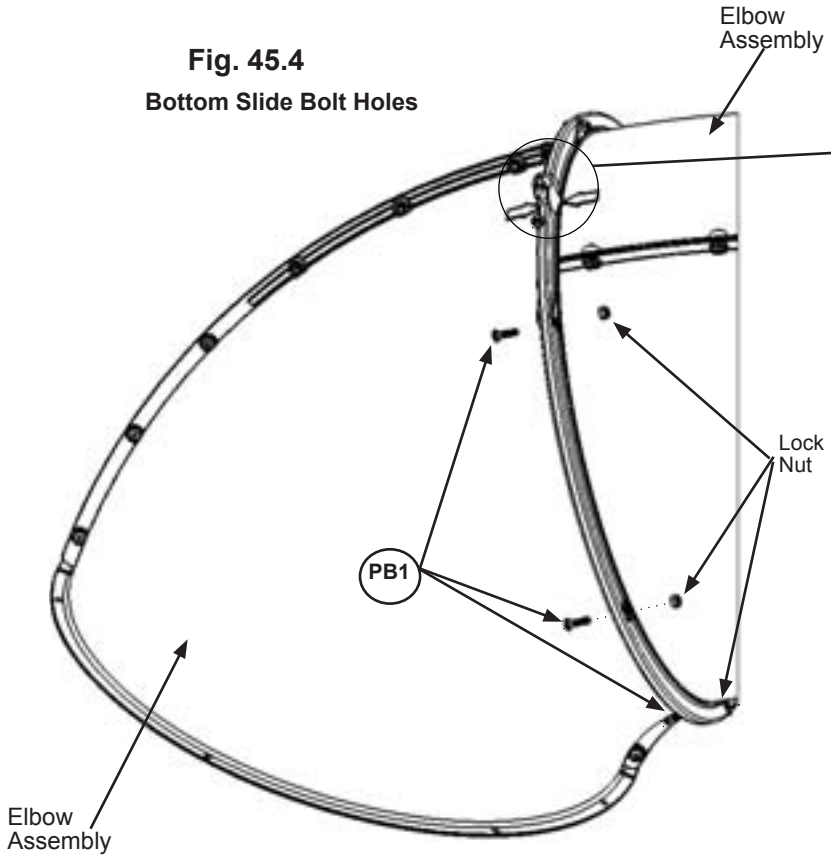
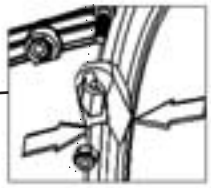
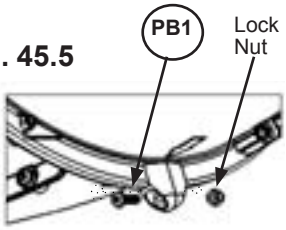


Fig. 45.3



Make sure arrows are aligned

Fig. 45.5



After the clamp rings are attached to the elbows, fasten them end to end with two pan bolts and lock nuts

Hardware

5 x (PB1) 1/4 x 3/4" Pan Bolt (1/4" lock nut)

Other Parts

1 x TNR2 Slide Clamp Ring

Step 46: Attach Elbow Assemblies and TNR2 Slide Support

Note: When installing Pan Bolts make sure to look at holes so bolts go through the side with the round recess and the lock nuts go through the side with the hexagonal recess. Keep all bolts loose until further step.

A: Attach the two remaining Elbow Assemblies as instructed in Steps 44 and 45.

B: On the fourth Elbow Assembly attached remove the pan bolt and nut which is facing the fort (installed in Step 42). (fig. 46.1) **The bolt will no longer be needed, but keep the lock nut.**

C: Loosley attach TNR2 Slide Support (at the slightly bent end) to the Clamp Ring using 1 (PB6) 1/4 x 1" Pan Bolt (with flat washer and the previously removed lock nut). (fig. 46.2)

D: Rotate TNR2 Slide Support and attach to (031) Post Short using 1 (S6) #12 x 1" Pan Screw as shown in fig. 46.2.

E: Fully tighten screw and bolt.

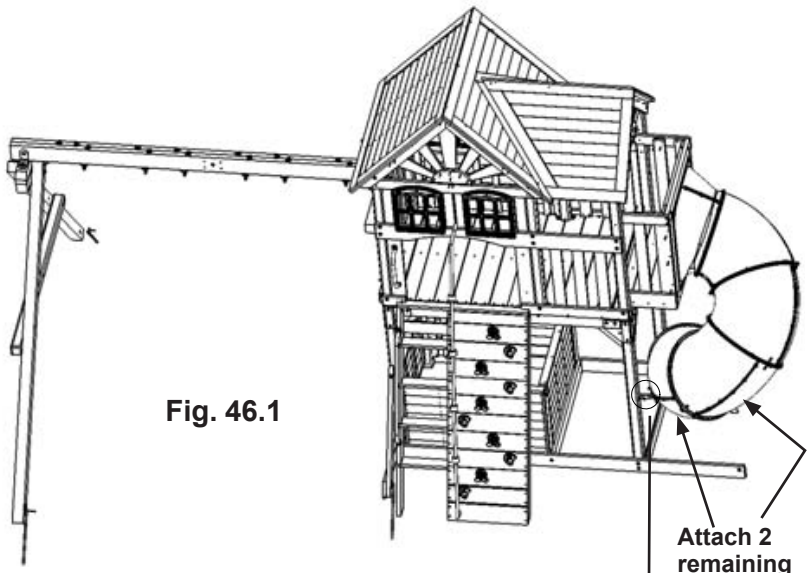


Fig. 46.1

Attach 2 remaining Elbow Assemblies

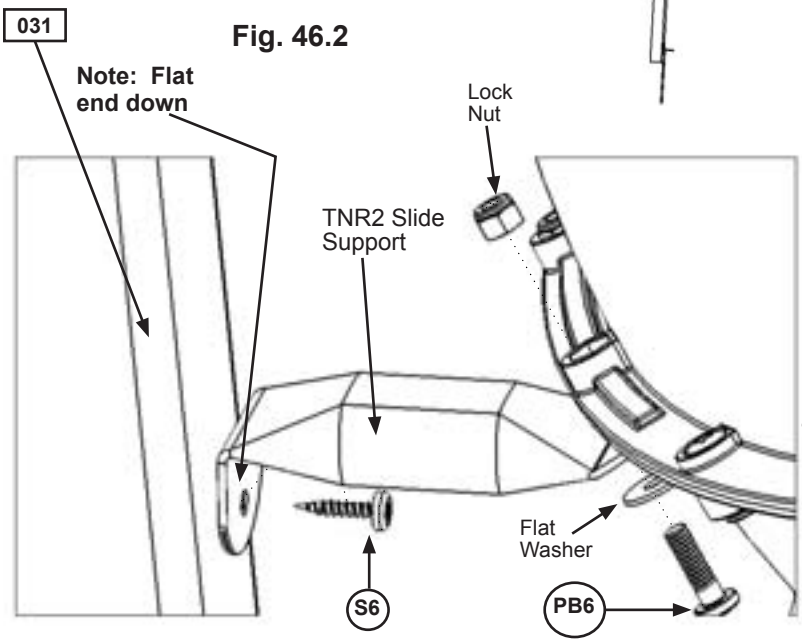


Fig. 46.2

Remove PB1 (1/4 x 3/4" Pan Bolt first then install PB6 (1/4 x 1" Pan Bolt with flat washer)

Hardware

1 x (S6) #12 x 1" Pan Screw

1 x (PB6) 1/4 x 1" Pan Bolt (1/4" flat washer & 1/4" lock nut - previously removed)

16 x (PB1) 1/4 x 3/4" Pan Bolt (1/4" lock nut)

Other Parts

1 x TNR2 Slide Support
4 x TNR2 Slide Clamp Ring

support@cedarsummitplay.com

Step 47: Attach SL Support to Ground Back

A: Loosely attach (470) SL Support to (061) Ground Back using 1 (G8) 5/16 x 2" Hex Bolt (with flat washer, lock washer and t-nut) in the top hole and 1 (S15) #8 x 1-3/4" Wood Screw in the bottom hole. (fig. 47.1 and 47.2)

B: Insert (470) SL Support into TNR2 Post Mount and attach with 2 (PB2) 1/4 x 1-1/4" Pan Bolts (with lock washer and t-nut). **Keep these bolts loose.** (fig. 47.2)

C: Use (470) SL Support as a guide to judge the proper bolt location, remove the bottom pan bolt and nut. ***The bolt will no longer be needed, but keep the lock nut.*** (fig. 47.3)

D: Attach the top of the TNR2 Post Mount to TNR2 Slide Clamp Ring using 1 (PB2) 1/4 x 1-1/4" Pan Bolt (with the previously removed lock nut). (fig. 47.4)

E: Tighten all the bolts and the screw from this step.

Fig. 47.1

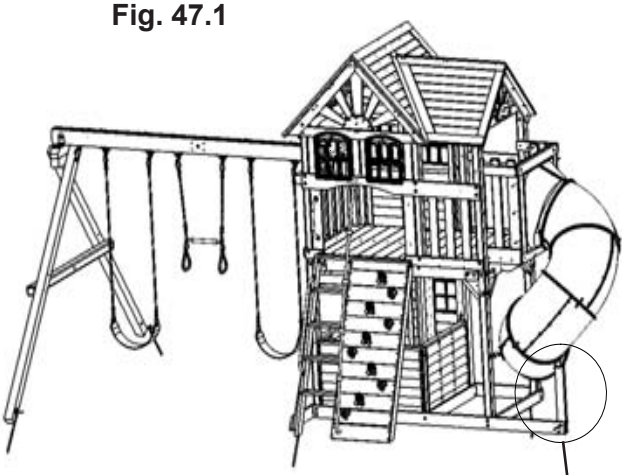


Fig. 47.2

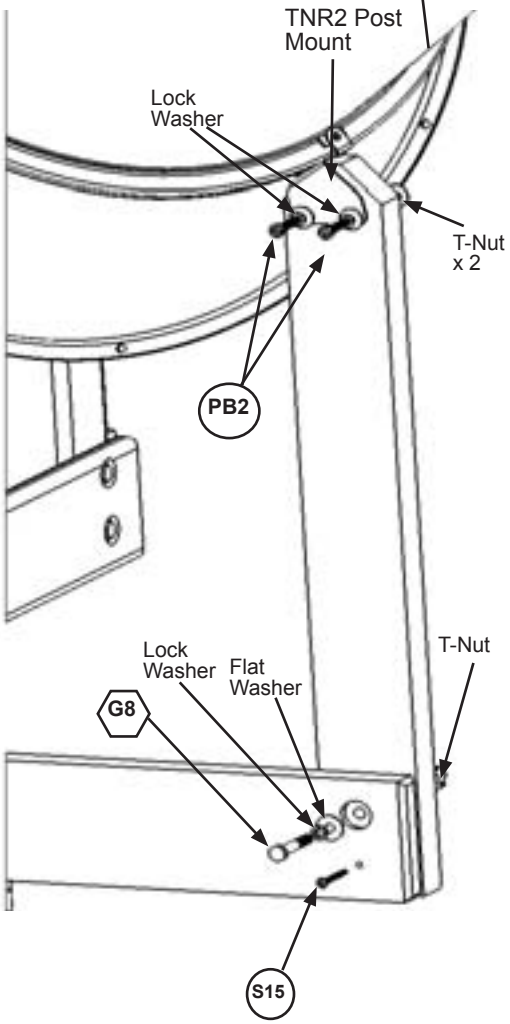
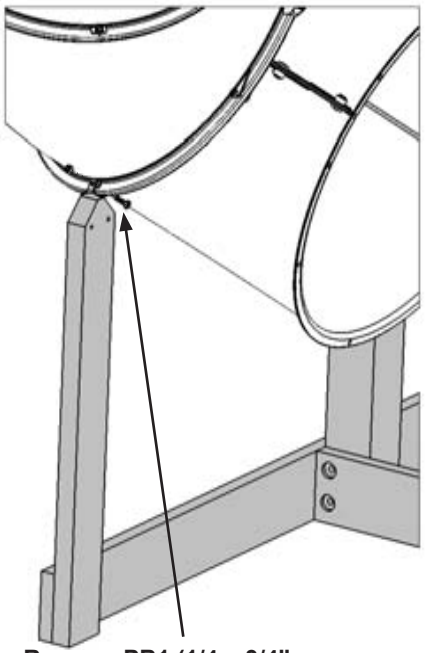
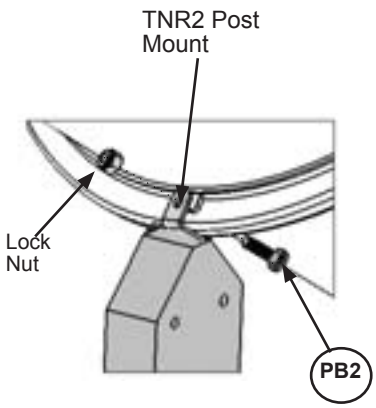


Fig. 47.3



Remove PB1 (1/4 x 3/4" Pan Bolt first then install PB2 (1/4 x 1-1/4" Pan Bolt with previousely removed lock washer)

Fig. 47.4



Wood Parts

1 x 470 SL Support FSC 2 x 4 x 26-1/4"

Hardware

1 x S15 #8 x 1-3/4" Wood Screw

3 x PB2 1/4 x 1-1/4" Pan Bolt
2 - (1/4" lock washer & 1/4" t-nut)
1 -1(1/4" lock nut - previously removed)

1 x G8 5/16 x 2" Hex Bolt
(5/16" flat washer, 5/16" lock washer, 5/16" t-nut)

Other Parts

1 x TNR2 Post Mount

support@cedarsummitplay.com

Step 48: Attach TNR2 Slide Exit to Exit Elbow Assembly

A: Insert flange of Exit Elbow Assembly (slide elbow) into the slots on TNR2 Slide Exit. (fig. 48.1)

B: Rotate Slide Exit and use Quadrex Driver as a guide pin so the holes are aligned and attach with 5 (PB1) 1/4 x 3/4" Pan Bolts (with lock nuts) starting with the bottom middle hole and working up each side. (fig. 48.2 and 48.3)

C: At this point make sure all the slide bolts are tight. ***Use a 7/16" open end wrench to hold nut and then tighten bolt with Quadrex Driver on Clamp Rings.***

Fig. 48.1

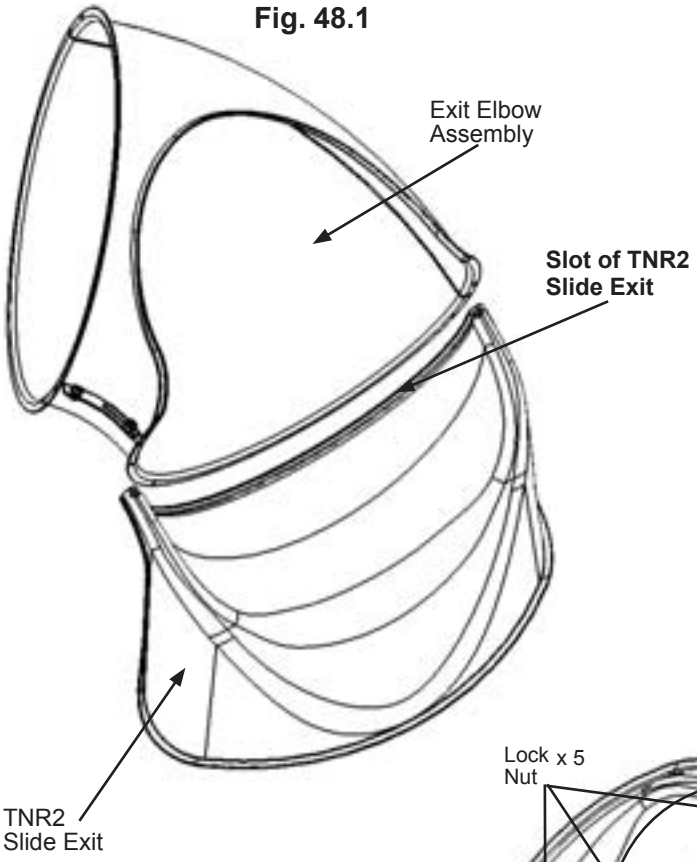
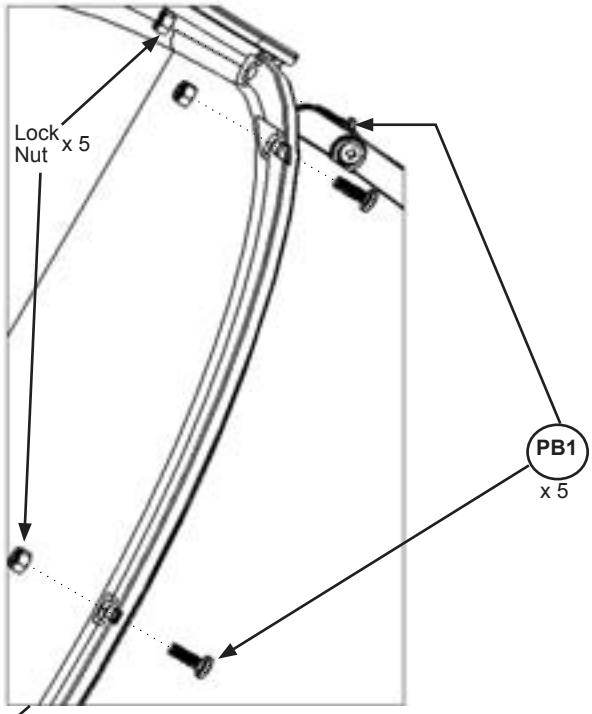


Fig. 48.3



Bottom of Slide Views

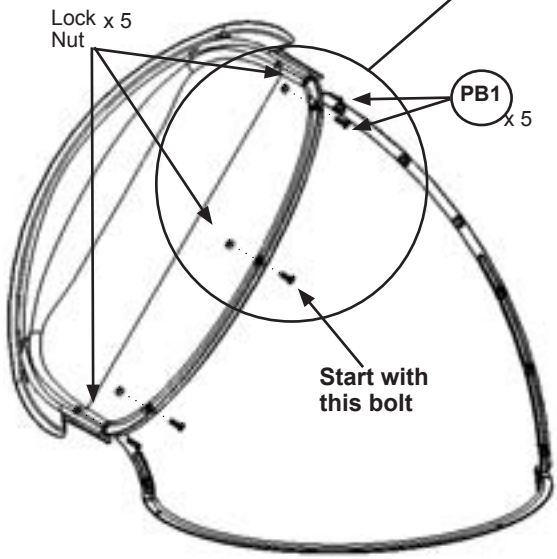


Fig. 48.2

Hardware

5 x (PB1) 1/4 x 3/4" Pan Bolt (1/4" lock nut)

Other Parts

1 x TNR2 Slide Exit

Step 49: Attach Exit End Assembly to Fort

Note: When installing Pan Bolts make sure to look at holes so bolts go through the side with the round recess and the lock nuts go through the side with the hexagonal recess. Keep all bolts loose until further step.

A: Fit the Exit End Assembly to the last Elbow Assembly by lining up the arrows on each assembly. Notice the elbow orientation. (fig. 49.1)

B: Attach 1 TNR2 Slide Clamp Ring to the top of the joined Assemblies using 3 (PB1) 1/4 x 3/4" Pan Bolts (with lock nut), making sure to match the arrows up with the end of the clamp ring (where a seam will be) as shown in fig. 49.1.

Use Quadrex Driver as a guide pin for each hole before inserting bolt.

C: Attach 1 TNR2 Slide Clamp Ring to the bottom of the joined Assemblies using 3 (PB1) 1/4 x 3/4" Pan Bolts (with lock nut), making sure to match the arrows up with the end of the clamp ring (where a seam will be) as shown in fig. 49.2.

D: Connect the 2 TNR2 Slide Clamp Rings together in 2 spots using 1 (PB1) 1/4 x 3/4" Pan Bolt (with lock nut) per hole. Make sure seams and arrows line up and then tighten all bolts. (fig. 49.3).

Fig. 49.1 Top Slide Bolt Holes

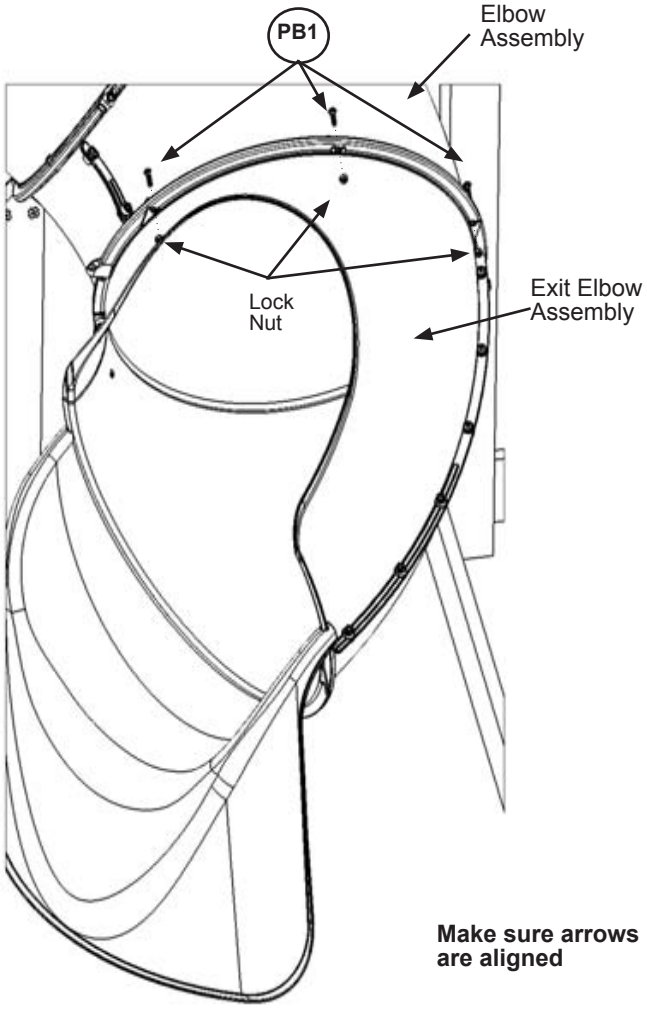


Fig. 49.2 Bottom Slide Bolt Holes

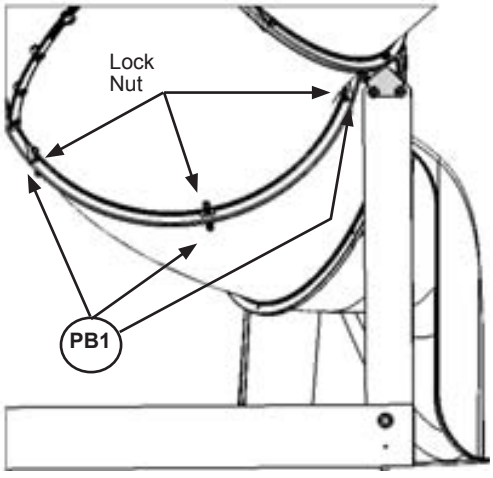
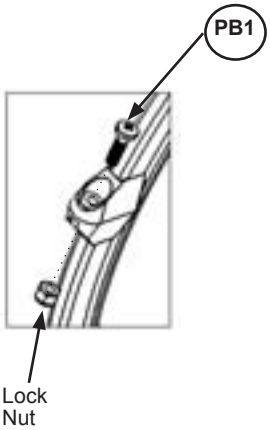


Fig. 49.3



After the clamp rings are attached to the elbows, fasten them end to end with two pan bolts and lock nuts

Hardware

8 x (PB1) 1/4 x 3/4" Pan Bolt (1/4" lock nut)

Other Parts

2 x TNR2 Slide Clamp Ring

Step 50: Attach Ground Stake to SL Support

A: In the spot shown in fig. 50.1 drive 1 Rebar Ground Stake 13” into the ground against the (470) SL Support. Be careful not to hit the washer while hammering stake into the ground as this could cause the washer to break off.

B: Attach the ground stake to (470) SL Support using 1 (S7) #12 x 2” Pan Screw as shown in fig. 50.2.

Warning! To prevent tipping and avoid potential injury, stakes must be driven 13” into ground. Digging or driving stakes can be dangerous if you do not check first for under-ground wiring, cables or gas lines.

Fig. 50.2

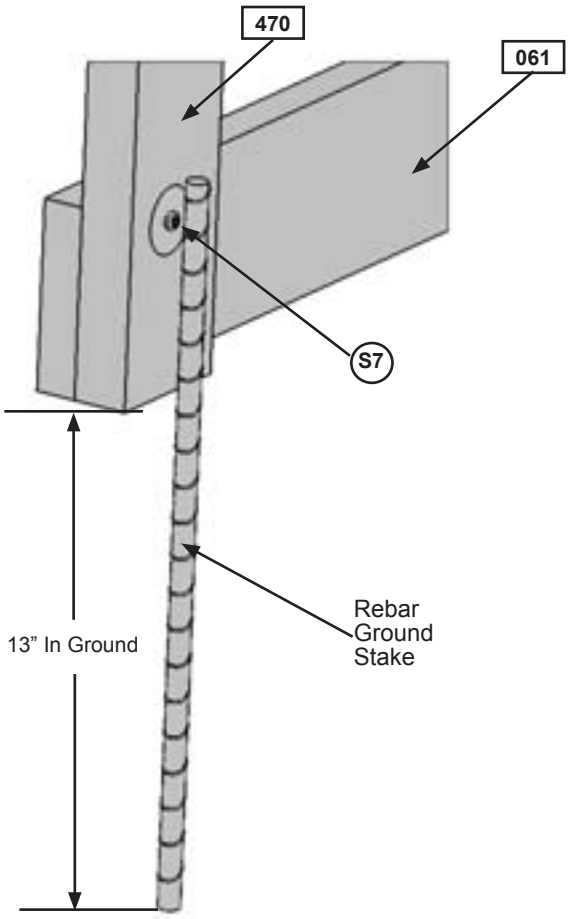
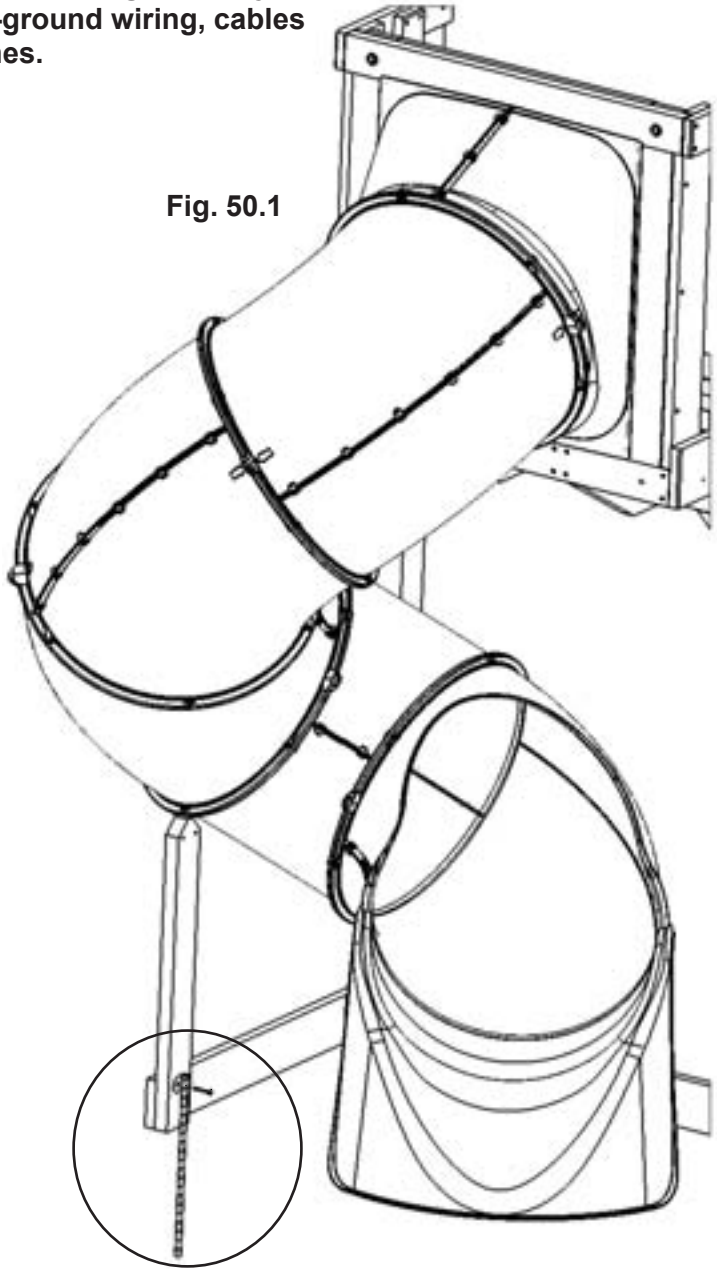


Fig. 50.1



Hardware

1 x (S7) #12 x 2” Pan Screw

Other Parts

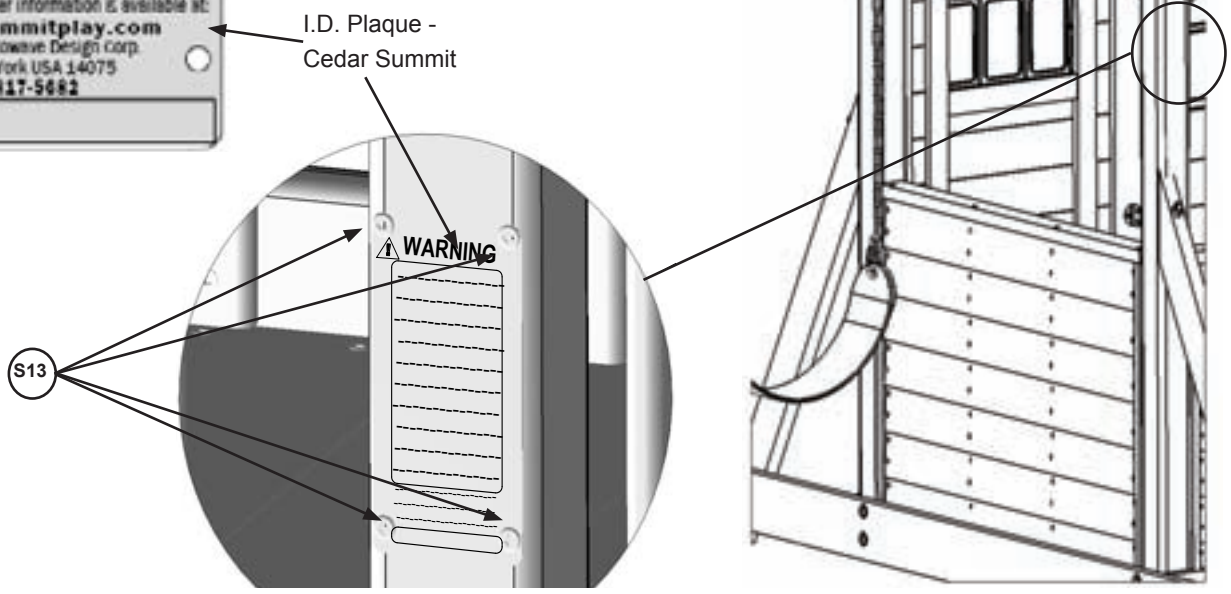
1 x Rebar Ground Stakes

Final Step: Attach I.D. Plaque

ATTACH THIS WARNING & I.D. PLAQUE TO THIS LOCATION ON YOUR PLAY EQUIPMENT!

This provides warnings concerning safety and important contact information. A Tracking Number is provided to allow you to get critical information or order replacement parts for this specific model.

A: Attach I.D. Plaque - Cedar Summit to a location on your set that is easily seen and read by a supervising adult using 4 (S13) #6 x 5/8" Pan Screws as shown below.



Hardware

4 x (S13) #6 x 5/8" Pan Screw

Other Parts

1 x I.D. Plaque - Cedar Summit

NOTES

support@cedarsummitplay.com

NOTES

CEDAR SUMMIT
Consumer Registration Card

First Name | Initial | Last Name

Street | Apt. No.

City | State/Province | ZIP/Postal Code

Country | Telephone Number

E-Mail Address

Model Name | Model Number (Box Labels)

Serial Number (on ID Plaque)

Date Purchase | Purchased From

MM / DD / YY

How would you rate this product for quality?

☐ Excellent ☐ Very Good ☐ Average ☐ Below Average ☐ Poor

How would you rate this product for ease of assembly?

☐ Excellent ☐ Very Good ☐ Average ☐ Below Average ☐ Poor

How would you rate our instructions?

☐ Excellent ☐ Very Good ☐ Average ☐ Below Average ☐ Poor

How would you rate the quality of packaging?

☐ Excellent ☐ Very Good ☐ Average ☐ Below Average ☐ Poor

Would you recommend the purchase of our products to friends and family?

☐ Yes ☐ No

Comments:

MAIL TO:
Solowave Design™
375 Sligo Road W.
Mount Forest, Ontario, Canada
N0G 2L1
Attention: Customer Service

REVISION: 12/01/09

Cedar Summit™
PREMIUM PLAY SETS

Fill out your registration card online at
www.cedarsummitplay.com/registration

Cedar Summit would like to say Thank You for your time and feedback.

CUT ALONG LINE