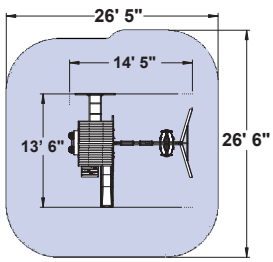


# RIDGEVIEW DELUXE CLUBHOUSE PLAY SYSTEM – F270855

## INSTALLATION AND OPERATING INSTRUCTIONS



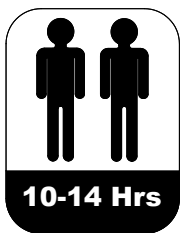
**! WARNING** To reduce the risk of serious injury or death, you must read and follow these instructions. Keep and refer to these instructions often and give them to any future owner of this play system. Manufacturer contact information provided below.

OBSTACLE FREE SAFETY ZONE - 26'5" x 26'6" area requires Protective Surfacing. See page 3.

MAXIMUM VERTICAL FALL HEIGHT - 6'5"

CAPACITY - 9 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



**Solowave Design**  
375 Sligo Rd. West, PO Box 10  
Mount Forest, ON Canada N0G 2L1

**General Inquiries:**  
8:00am - 4:30pm EST  
Toll Free: 1-877-966-3738  
support@solowavedesign.com

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Installation of I.D./Warning Plaque . . . . .	Final Step

## 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

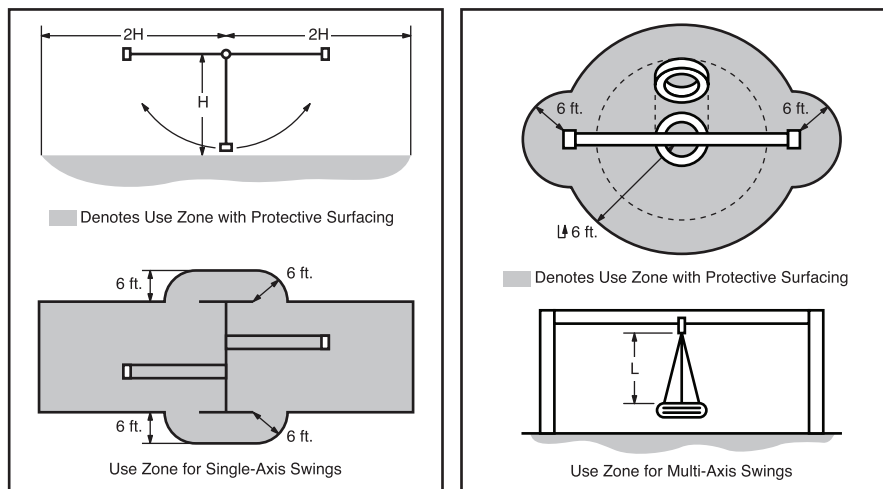
You may be interested in using surfacing other than loose-fill materials - like rubber tiles or poured-in-place surfaces.

- 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/manufacture 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;

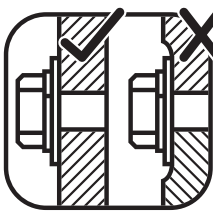
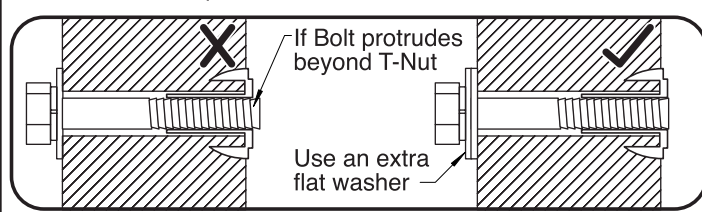
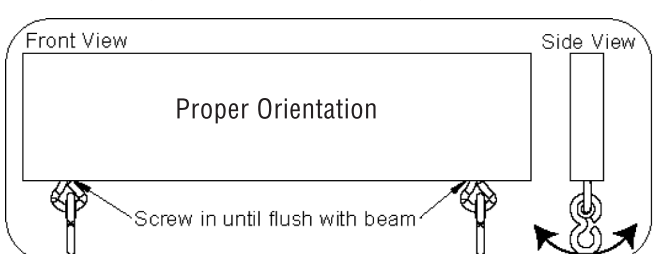
- Extend surfacing at least 6 feet from the equipment in all directions.
- For to-fro swings, extend protective surfacing in front of and behind the swing to a distance equal to twice the height of the top bar from which the swing is suspended.
- For tire swings, extend surfacing in a circle whose radius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



# Instructions for Proper Maintenance

Your Big Backyard 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:

<p><b>HARDWARE:</b></p> <ul style="list-style-type: none"> <li>✓ Check metal parts for rust. If found, sand and repaint using a non-lead paint complying with 16 CFR 1303.</li> <li>✓ Inspect and tighten all hardware. On wood assemblies <b>DO NOT OVERTIGHTEN</b> as to cause crushing and splintering of wood.</li> <li>✓ Check for sharp edges or protruding screw threads, add washers if required.</li> </ul>   <p><b>SHOCK ABSORBING SURFACING:</b></p> <ul style="list-style-type: none"> <li>✓ 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)</li> </ul> <p><b>GROUND STAKES (ANCHORS):</b></p> <ul style="list-style-type: none"> <li>✓ Check for looseness, damage or deterioration. Should firmly anchor unit to ground during use. Re-secure and or replace, if necessary.</li> </ul>	<p><b>SWING HANGERS:</b></p> <ul style="list-style-type: none"> <li>✓ Check that they are secure and orientated correctly. Hook should rotate freely and perpendicular to support beam.</li> <li>✓ If squeaking occurs lubricate bushings with oil or WD-40®.</li> </ul>  <p><b>SWINGS, ROPES AND RIDES:</b></p> <ul style="list-style-type: none"> <li>✓ 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.</li> <li>✓ Check that ropes are tight, secure at both ends and cannot loop back as to create an entrapment.</li> </ul> <p><b>WOOD PARTS:</b></p> <ul style="list-style-type: none"> <li>✓ 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.</li> <li>✓ Unprotected, they will appear weathered over time. Periodic application of an exterior water repellent or stain (water-based) will help improve appearance and life.</li> </ul>
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## Check twice a month during play season:

<p><b>HARDWARE:</b></p> <ul style="list-style-type: none"> <li>✓ Inspect for tightness. Must be firmly against, but not crushing the wood. <b>DO NOT OVERTIGHTEN.</b> This will cause splintering of wood.</li> <li>✓ Check for sharp edges or protruding screw threads. Add washers if required.</li> </ul>	<p><b>SHOCK ABSORBING SURFACING:</b></p> <ul style="list-style-type: none"> <li>✓ 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)</li> </ul>
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## Check once a month during play season:

<p><b>SWING HANGERS:</b></p> <ul style="list-style-type: none"> <li>✓ Check that they are secure and orientated correctly. Hook should rotate freely and perpendicular to support beam.</li> <li>✓ If squeaking occurs lubricate bushings with oil or WD-40®.</li> </ul>	<p><b>SWINGS AND RIDES:</b></p> <ul style="list-style-type: none"> <li>✓ Check swing seats, all ropes, chains and attachments for fraying, wear, excessive corrosion or damage. Replace if structurally damaged or deteriorated.</li> </ul>
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## Check at the end of the play season:

<p><b>SWINGS AND RIDES:</b></p> <ul style="list-style-type: none"> <li>✓ 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.</li> </ul>	<p><b>SHOCK ABSORBING SURFACING:</b></p> <ul style="list-style-type: none"> <li>✓ 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)</li> </ul>
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**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

Solowave Design™ uses only premium playset lumber, ensuring the safest product for your children's use. Although great care has been taken in selecting the best quality lumber available, wood is a product of nature and susceptible to weathering (changes in the aesthetics of the wood). A light sanding may be required to remove minor splinters. For your information, we have described some changes that may occur as a result of weathering:

1. **Checking** Checks are surface cracks in the wood along the grain. 4" x 4" material will experience more checking than 2", 1-1/4" or 1" material because the surface and interior moisture content will vary more widely than in thinner wood.
2. **Warping** Warping refers to any distortion (twisting, cupping) from the true plane that may take place during weathering.
3. **Fading** Wood exposed to sunlight, will over time, turn a grey color.

Note: The above changes will not affect the strength of the product.

## What causes weathering?

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 moisture moves in or out of the wood (result of climate changes), the different moisture content causes tension in the wood, which can result in checking and or warping.

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

At the factory we have added water repellent to the stain. This water repellent decreases the amount of water absorption during rain or snow thus decreasing the tension in the wood. Sunlight will break down the water repellent, so we recommend applying a water repellent on a yearly basis (see your local stain and paint supplier for a recommended product). Also if storing the product before installation, make sure you store out of direct sunlight in a cool dry place.

## Will weathering affect the strength of my Play System?

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.

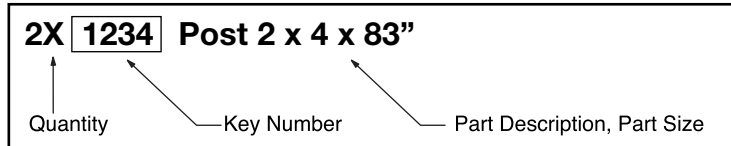
# Keys to Assembly Success

## Tools Required








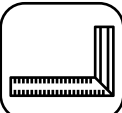

## Part Identification Key

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



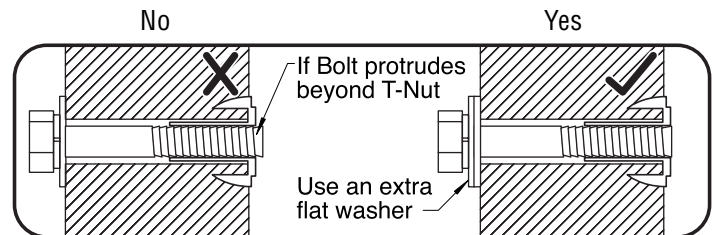
## Symbols

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

<p>This identifies information that requires special attention. Improper assembly could lead to an unsafe or dangerous condition.</p> 	<p>Check that set or assembly is properly level before proceeding.</p> <p>Use Level</p> 
<p>Use Help</p>  <p>Use Help</p>  <p>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!</p>	<p>Pre-drill 1/8\"/&gt;  <p>Pre-drill a pilot hole before fastening screw or lag to prevent splitting of wood.</p> </p>
<p>Measure Distance</p>  <p>Check that assembly is square before tightening bolts.</p> <p>Use a measuring tape to assure proper location.</p> <p>Square Assembly</p> 	<p>This indicates time to tighten bolts, but not too tight! Do not crush the wood. This may create splinters and cause structural damage.</p> <p>Tighten Bolts</p> 

## CAUTION – Protrusion Hazard

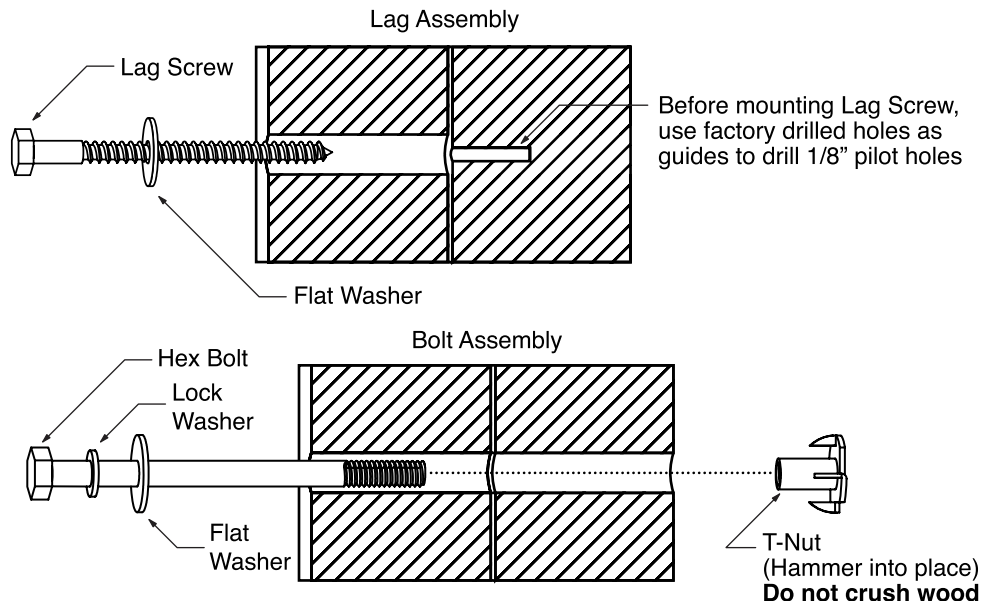
Once the assembly is tightened, watch for exposed threads. If a thread protrudes from the T-Nut, remove the bolt and add washers to eliminate this condition. Extra washers have been provided for this purpose.



## Proper Hardware Assembly

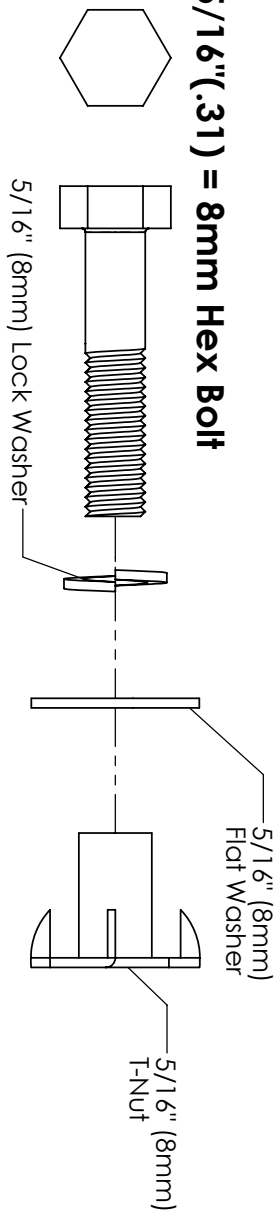
Lag screws require drilling pilot holes to avoid splitting wood. Only a flat washer is required. For ease of installation liquid soap can be used on all lag-type screws.

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\"/>

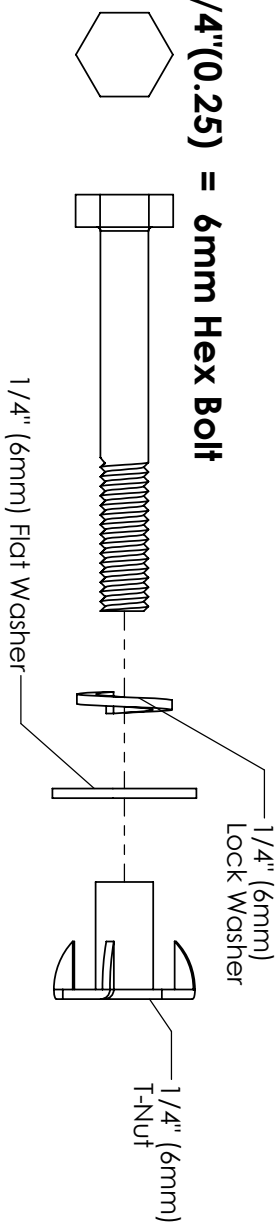


# SOLO)WAVE DESIGN HARDWARE

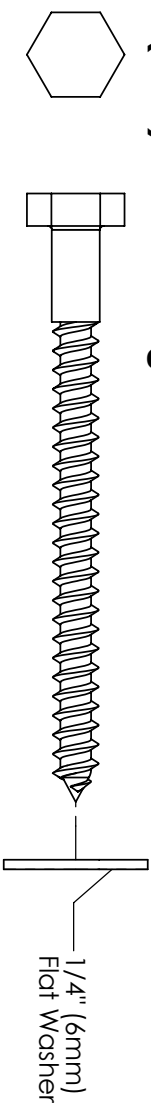
**5/16"(.31) = 8mm Hex Bolt**



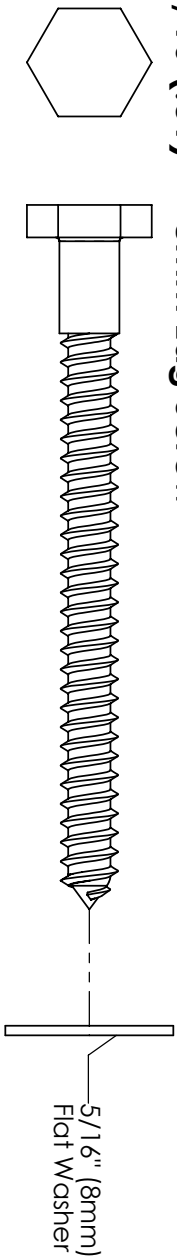
**1/4"(0.25) = 6mm Hex Bolt**



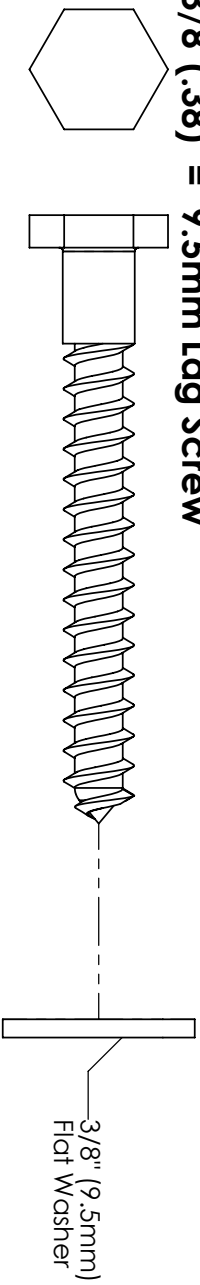
**1/4"(0.25) = 6mm Lag Screw**



**5/16"(.31) = 8mm Lag Screw**



**3/8"(.38) = 9.5mm Lag Screw**



**HARDWARE LENGTH CHART**  
inches vs millimetres

6	152
5 1/2	140
5	127
4 1/2	114
4	102
3 1/2	89
3	76
2 1/2	64
2	51
1 1/2	38
1 1/4	32
1 - 1/8	29
1	25.4
7/8	22
3/4	19
1/2	12.7

## DIAMETER CONVERSION

1 inch = 25.4mm

**For example:**

BOLT DIAMETER 5/16 (0.31) inches

0.31 inches x 25.4mm = 8mm

## LENGTH CONVERSION

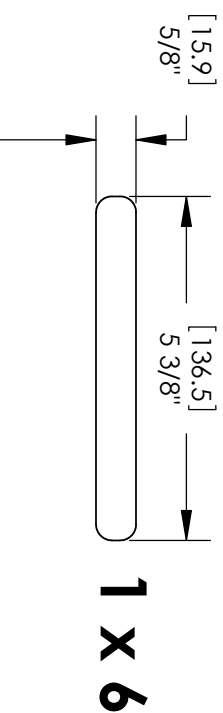
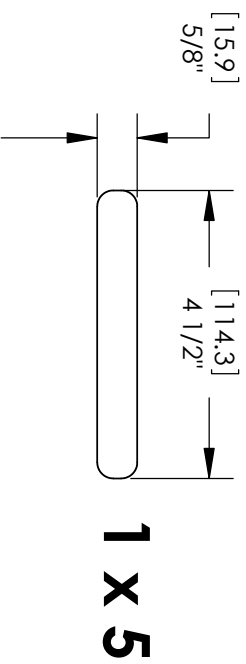
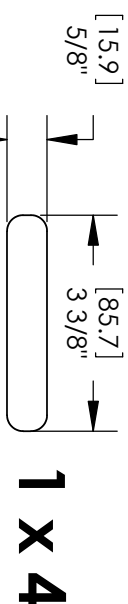
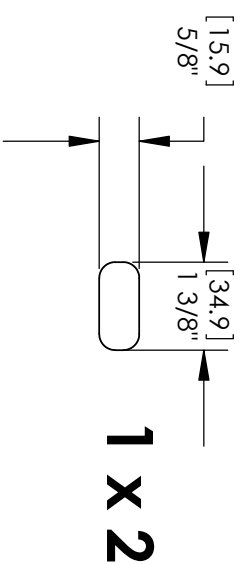
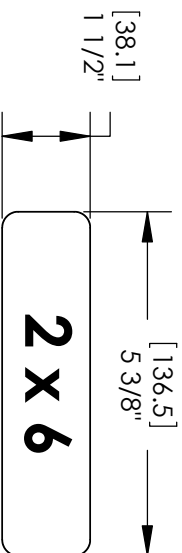
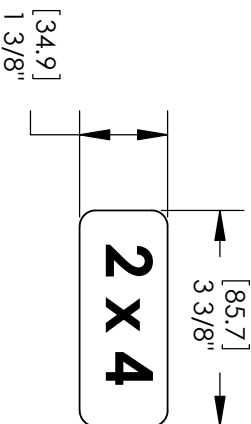
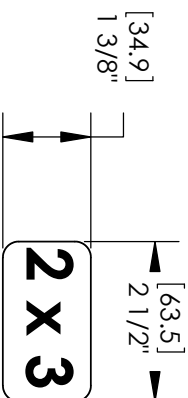
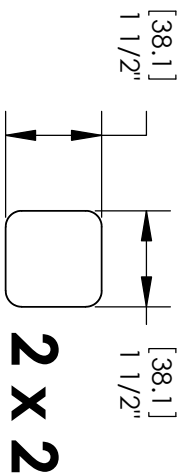
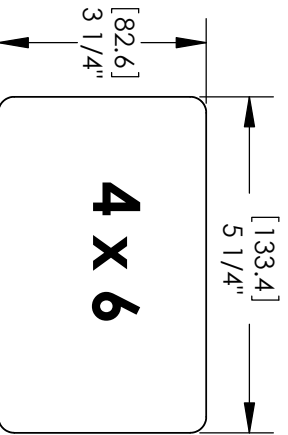
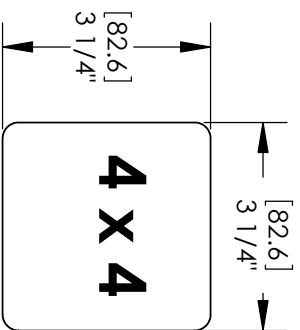
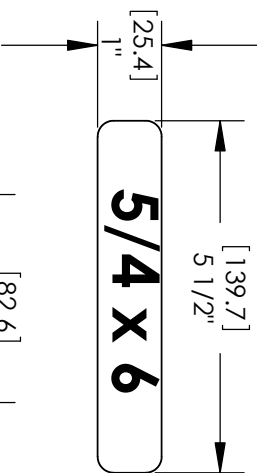
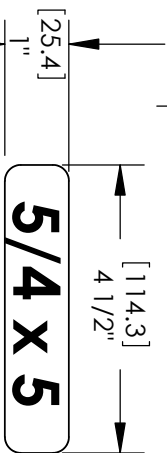
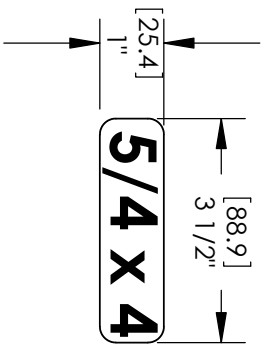
1 inch = 25.4mm

**For example:**

BOLT LENGTH 4 1/2 (4.5) inches long

4.5 inches x 25.4mm = 114mm long

# SOLO)WAVE DESIGN WOOD PROFILES



## LENGTH CONVERSION

1 inch = 25.4mm

### For example:

BOARD LENGTH 59 1/4 (59.25) inches

59.25 inches x 25.4mm = 1505mm

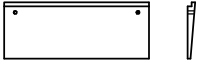
**IMPORTANT:**  
Dimensions in brackets  
[mm] represent millimetres.



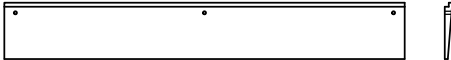
# Part Identification (Reduced Part Size)

Nominal Size	Actual Size
1" x 2"	5/8" x 1 3/8"
1" x 2 1/2"	5/8" x 1 3/4"
1" x 4"	5/8" x 3 3/8"

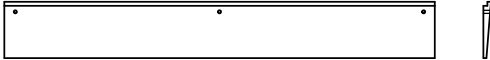
5pc. - **1848** CE Siding (3/8 x 3-1/2 x 9") - Box 3 - 3631848



11pc. - **1847** Siding (3/8 x 3-1/2 x 24-7/8") - Box 3 - 3631847



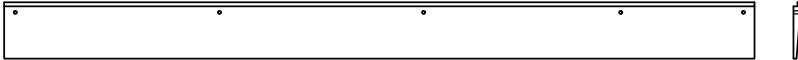
5pc. - **1850** Siding (3/8 x 3-1/2 x 26-3/4") - Box 3 - 3631850



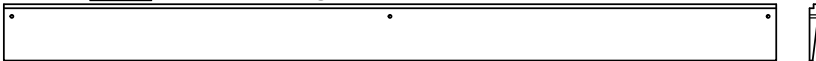
15pc. - **1852** CE Siding (3/8 x 3-1/2 x 36") - Box 3 - 3631852



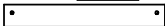
7pc. - **1849** Cedar Siding (3/8 x 3-1/2 x 46-5/8") - Box 3 - 3631849



26pc. - **0517** Cedar Roofing (3/8 x 3-1/2 x 48") - Box 3 - 3630517



2pc. - **1859** Wall Trim (1 x 2 x 10") - Box 3 - 3641859



1pc. - **1808** Short Trim (1 x 2 x 19-5/8") - Box 3 - 3641808



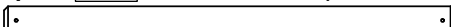
1pc. - **1809** Door Trim (1 x 2 x 36-1/2") - Box 2 - 3641809



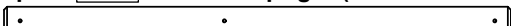
3pc. - **1870** Trim Short (1 x 2-1/2 x 19-5/8") - Box 2 - 3641870



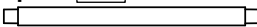
1pc. - **1876** Window Cross (1 x 2-1/2 x 28") - Box 2 - 3641876



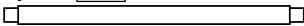
2pc. - **1866** Window Upright (1 x 2-1/2 x 31-1/2") - Box 2 - 3641866



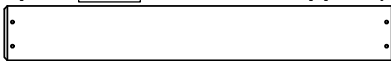
3pc. - **578** Dowel - Tennon (1-1/8 x 15-7/8") - Box 1 - 3681578



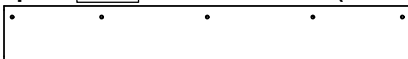
1pc. - **858** Dowel - Tennon (1-1/8 x 18-5/8") - Box 1 - 3681858



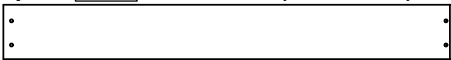
4pc. - **1858** Short Wall Support (1 x 4 x 24-1/4") - Box 3 - 3641858



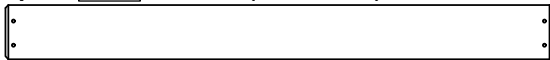
2pc. - **0528** Side Chalk Wall (1 x 4 x 25 1/4") - Box 2 - 3630528



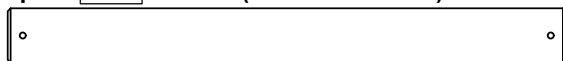
1pc. - **5265** Cedar Wall (1 x 4 x 28") - Box 2 - 3635265



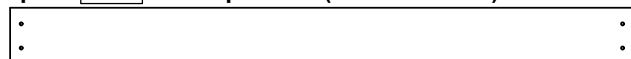
4pc. - **1846** CE Wall (1 x 4 x 34") - Box 2 - 3631846



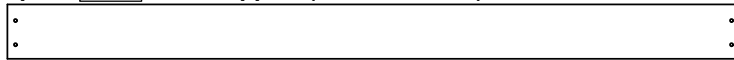
1pc. - **1855** Divider (1 x 4 x 34-11/16") - Box 2 - 3641855



1pc. - **0839** CE Gap Board (1 x 4 x 38-3/4") - Box 2 - 3630839



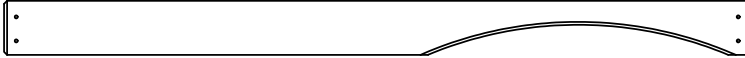
5pc. - **1814** Wall Support (1 x 4 x 45-1/2") - Box 3 - 3641814



# Part Identification (Reduced Part Size)

Nominal Size	Actual Size
1" x 4"	$\frac{5}{8}$ " x $3\frac{3}{8}$ "
1" x 5"	$\frac{5}{8}$ " x $4\frac{1}{2}$ "
1" x 6"	$\frac{5}{8}$ " x $5\frac{3}{8}$ "

1pc. - **1869** Door Top (1 x 4 x 46-5/8") - Box 2 - 3641869



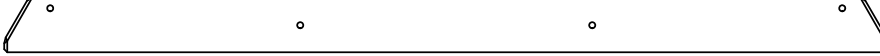
1pc. - **1857** Top Back (1 x 4 x 46 1/2") - Box 2 - 3641857



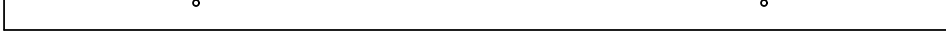
2pc. - **0357** Tarp Front Back (1 x 4 x 47-3/4") - Box 2 - 3640357



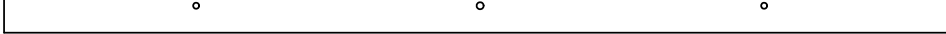
1pc. - **0353** MK Ground (1 x 4 x 55-1/4") - Box 2 - 3640353



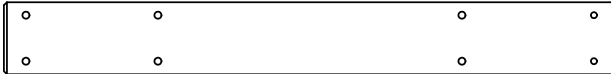
1pc. - **1864** SL Roof Side (1 x 4 x 59-1/2") - Box 3 - 3641864



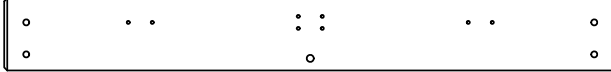
1pc. - **1865** SW Roof Side (1 x 4 x 59-1/2") - Box 3 - 3641865



1pc. - **1874** Side Ground (1 x 5 x 38-1/4") - Box 3 - 3641874



2pc. - **1501** Floor End (1 x 5 x 38-1/4") - Box 2 - 3641501



8pc. - **1851** Cedar Floor Board (1 x 5 x 38-3/4") - Box 2 - 3631851



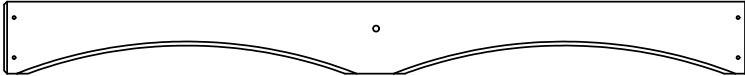
2pc. - **1853** Cedar Gap Board (1 x 5 x 38-3/4") - Box 2 - 3631853



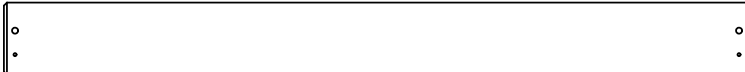
1pc. - **1854** Centre Gap Board (1 x 5 x 38-3/4") - Box 2 - 3631854



1pc. - **1505** Front Top (1 x 5 x 46-1/2") - Box 3 - 3641505



2pc. - **0351** Front Back (1 x 5 x 46-5/8") - Box 2 - 3640351



1pc. - **1872** Ground (1 x 5 x 75-5/8") - Box 2 - 3641872



4pc. - **0514** Roof Brace (1 x 6 x 13") - Box 3 - 3640514



4pc. - **0606** CE Access Board (1 x 6 x 19-3/4") - Box 2 - 3630606



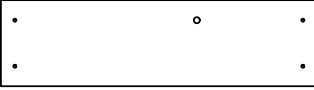
# Part Identification (Reduced Part Size)

Nominal Size	Actual Size
1" x 6"	5/8" x 5 3/8"
5/4" x 4"	1" x 3 1/4"
2" x 2"	1 1/2" x 1 1/2"
2" x 3"	1 3/8" x 2 1/2"

3pc. - **0630** CE Rock Board (1 x 6 x 19 3/4") - Box 2 - 3630630



2pc. - **0631** CE Rock Board (1 x 6 x 19-3/4") - Box 3 - 3630631



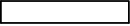
1pc. - **1867** Top Side (1 x 6 x 38-1/4") - Box 2 - 3641867



6pc. - **0318** Ground Stake (1-1/4 x 1-1/2 x 14") - Box 1 - 3650318



1pc. - **0522** Window Dormer Cleat (5/4 x 2 x 8") - Box 3 - 3630522



1pc. - **0790** Floor Joist (5/4 x 4 x 46-1/2") - Box 2 - 3640790



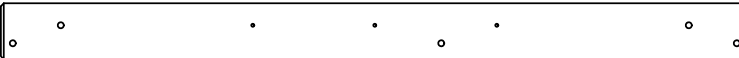
1pc. - **1862** SW Support (5/4 x 4 x 46-1/2") - Box 2 - 3641862



1pc. - **0799** Floor Back (5/4 x 4 x 46-3/4") - Box 2 - 3640799



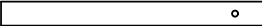
1pc. - **1873** Back Floor (5/4 x 4 x 46-3/4") - Box 2 - 3641873



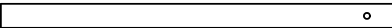
1pc. - **0376** Table Top (5/4 x 6 x 32") - Box 3 - 3640376



1pc. - **1875** Short Joist (2 x 2 x 16-1/2") - Box 3 - 3641875



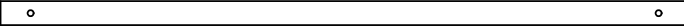
1pc. - **1871** Long Joist (2 x 2 x 24-3/4") - Box 3 - 3641871



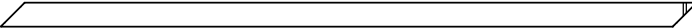
1pc. - **1868** Table Support (2 x 2 x 38-3/4") - Box 2 - 3641868



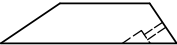
1pc. - **0795** Side Joist (2 x 2 x 43") - Box 3 - 3640795



2pc. - **0501** Joist (2 x 2 x 43 1/2") - Box 3 - 3640501



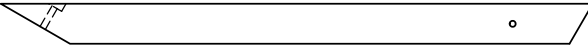
2pc. - **0367** Floor Gusset (2 x 3 x 11") - Box 3 - 3640367



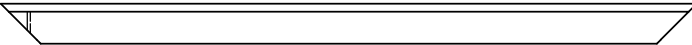
1pc. - **1860** MK Mount (2 x 3 x 34-13/16") - Box 2 - 3641860



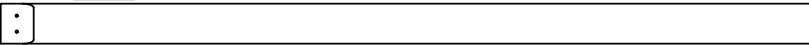
4pc. - **0369** Lower Diagonal (2 x 3 x 37") - Box 2 - 3640369



4pc. - **0863** Roof Support (2 x 3 x 43 1/2") - Box 2 - 3640863

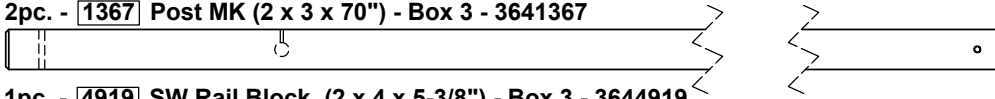


2pc. - **0349** Rock Rail (2 x 3 x 51") - Box 3 - 3640349



# Part Identification (Reduced Part Size)

2pc. - **1367** Post MK (2 x 3 x 70") - Box 3 - 3641367

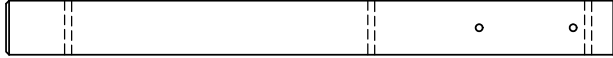


Nominal Size	Actual Size
2" x 3"	1 <sup>3</sup> / <sub>8</sub> " x 2 <sup>1</sup> / <sub>2</sub> "
2" x 4"	1 <sup>3</sup> / <sub>8</sub> " x 3 <sup>3</sup> / <sub>8</sub> "
2" x 6"	1 <sup>1</sup> / <sub>2</sub> " x 5 <sup>3</sup> / <sub>8</sub> "

1pc. - **4919** SW Rail Block (2 x 4 x 5-3/8") - Box 3 - 3644919



1pc. - **1861** SW Mount (2 x 4 x 38-1/8") - Box 3 - 3641861



2pc. - **1564** MK Rail Long (2 x 4 x 52") - Box 3 - 3641564



2pc. - **1863** SW Post (2 x 4 x 86-11/16") - Box 3 - 3641863



1pc. - **1856** SW Upright (2 x 4 x 48-5/16") - Box 2 - 3641856



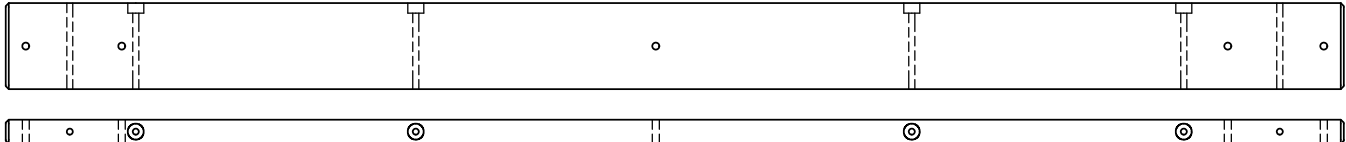
4pc. - **1500** Post (2 x 4 x 83") - Box 2 - 3641500



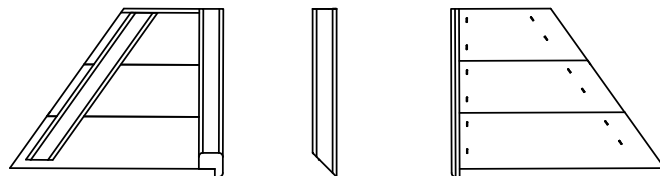
1pc. - **1825** Back Beam (2 x 6 x 83-5/8") - Box 3 - 3631825



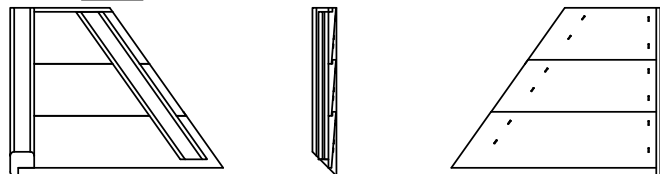
1pc. - **1826** Front Beam (2 x 6 x 83-5/8") - Box 3 - 3631826



1pc. - **0521** Window Dormer Roof Left - Box 3 - 3630521



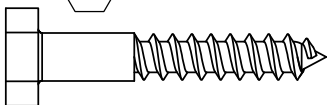
1pc. - **0520** Window Dormer Roof Right - Box 3 - 3630520



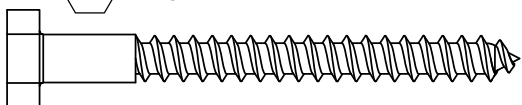


# Hardware Identification (Actual Size)

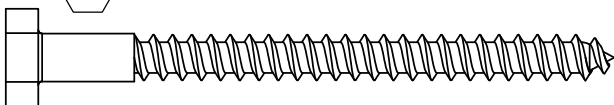
4pc. **LS1** - Lag Screw 1/4 x 1-1/2" - (9262212)



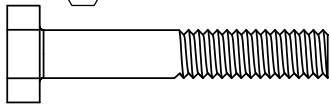
3pc. **LS2** - Lag Screw 1/4 x 2-1/2" - (9272222)



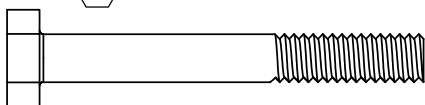
8pc. **LS3** - Lag Screw 1/4 x 3" - (9262230)



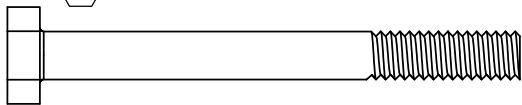
1pc. **H1** - Hex Bolt 1/4 x 1-1/2" - (9277212)



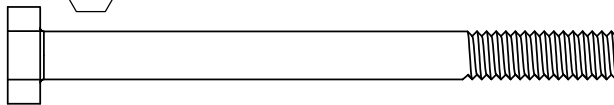
20pc. **H2** - Hex Bolt 1/4 x 2" - (9277220)



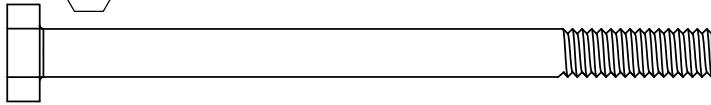
4pc. **H3** - Hex Bolt 1/4 x 2-1/2" - (9277222)



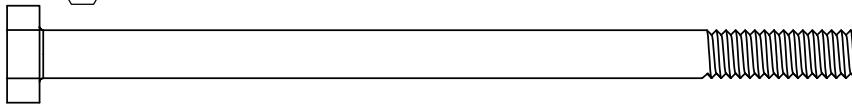
3pc. **H12** - Hex Bolt 1/4 x 3" - (9277230)



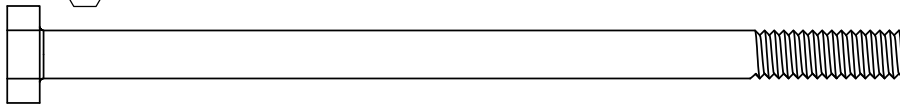
1pc. **H13** - Hex Bolt 1/4 x 3-1/2" - (9277232)



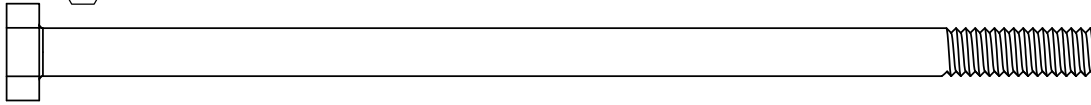
1pc. **H8** - Hex Bolt 1/4 x 4-1/4" - (9277241)



4pc. **H5** - Hex Bolt 1/4 x 4-1/2" - (9277242)

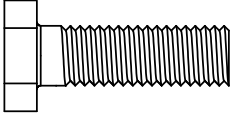


4pc. **H7** - Hex Bolt 1/4 x 5-1/2" - (9277252)

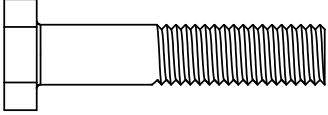


# Hardware Identification (Actual Size)

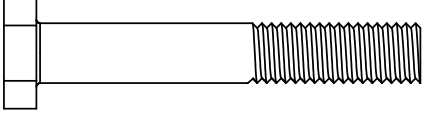
4pc. **G2** - Hex Bolt 5/16 x 1" - (9277310)



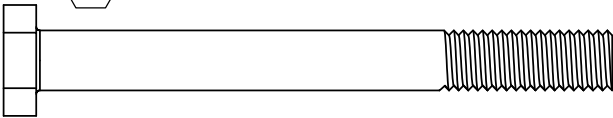
4pc. **G1** - Hex Bolt 5/16 x 1-1/2" - (9277312)



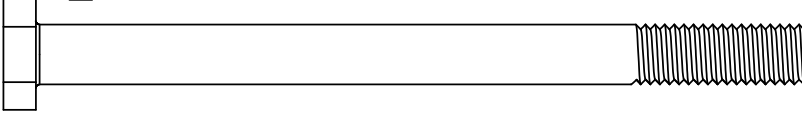
2pc. **G8** - Hex Bolt 5/16 x 2" - (9277320)



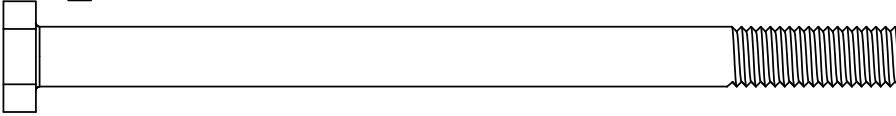
3pc. **G10** - Hex Bolt 5/16 x 3" - (9277330)



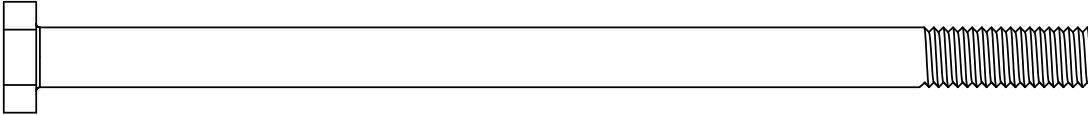
4pc. **G4** - Hex Bolt 5/16 x 4" - (9277340)



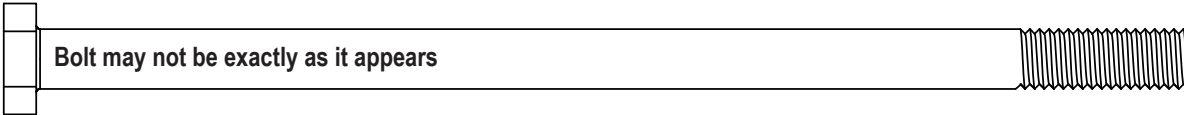
5pc. **G5** - Hex Bolt 5/16 x 4-1/2" - (9277342)



4pc. **G7** - Hex Bolt 5/16 x 5-1/2" - (9277352)

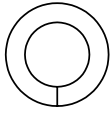


2pc. 5/16" Glider Long Hex Bolt

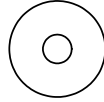


# Hardware Identification (Actual Size)

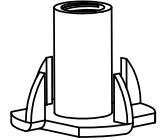
20pc. **LW2** - 5/16" Lock Washer - (9253300)



17pc. **FW3** - #8 Flat Washer - (9251500)



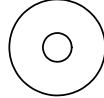
39pc. **TN1** - 1/4" T - Nut -(9285200)



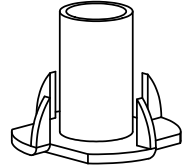
44pc. **LW1** - 1/4" Lock Washer - (9253200)



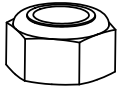
19pc. **FW0** - 3/16" Flat Washer - (9251100)



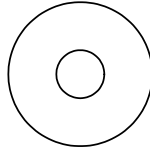
20pc. **TN2** - 5/16" T- Nut - (9285300)



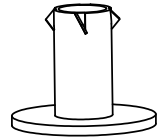
12pc. **LN2** - 5/16" Lock Nut - (9283300)



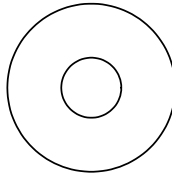
70pc. **FW1** - 1/4" Flat Washer - (9251200)



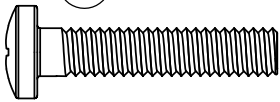
5pc. **BN1** - 1/4" Barrel Nut - (9248200)



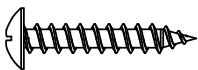
44pc. **FW2** - 5/16" Flat Washer - (9251300)



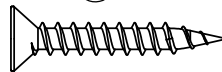
6pc. **PB2** - Pan Bolt 1/4 x 1-1/4" - (9274211)



231pc. **S0** - Truss Screw #8 x 7/8" - (9229505)



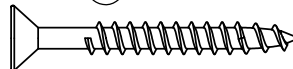
82pc. **S1** - Wood Screw #8 x 1-1/8" - (9290514)



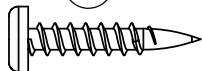
41pc. **S5** - Pan Screw #8 x 1/2" - (9264504)



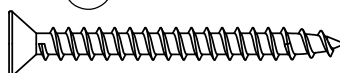
148pc. **S2** - Wood Screw #8 x 1-1/2" - (9260512)



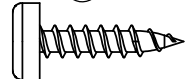
5pc. **S10** - Pan Screw #8 x 1" - (9264510)



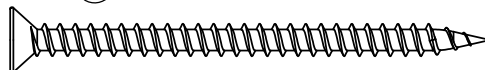
4pc. **S15** - Wood Screw #8 x 1-3/4" - (9260513)



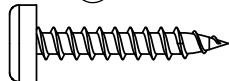
16pc. **S8** - Pan Screw #12 x 3/4" - (9264603)



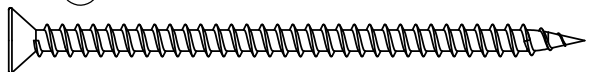
22pc. **S3** - Wood Screw #8 x 2-1/2" - (9290522)



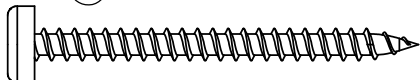
16pc. **S6** - Pan Screw #12 x 1" - (9264610)



7pc. **S4** - Wood Screw #8 x 3" - (9290530)

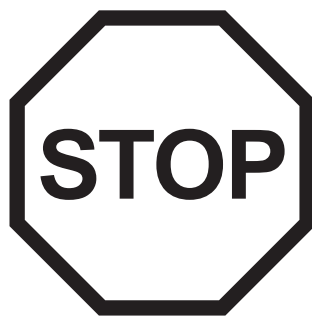
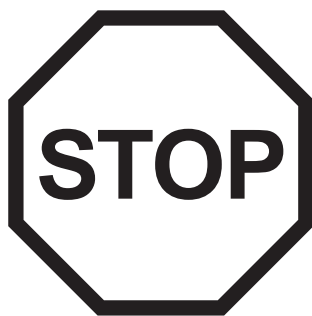


25pc. **S7** - Pan Screw #12 x 2" - (9264620)





# Step 1: 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 four digit key number stamped on the ends of the boards. The wood pieces are referenced throughout the instructions with this number.
  - 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.

**1-877-966-3738**  
**support@solowavedesign.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 Big Backyard ID Plaque (3320356).
  - Please retain this information for future reference. You will need this information if you contact the Consumer Relations Department.

**MODEL NUMBER: F270855**

CARTON I.D. STAMP: \_ \_ \_ \_ 14459 \_ (Box 1)

CARTON I.D. STAMP: \_ \_ \_ \_ 14459 \_ (Box 4)

CARTON I.D. STAMP: \_ \_ \_ \_ 14459 \_ (Box 2)

CARTON I.D. STAMP: \_ \_ \_ \_ 14459 \_ (Box 5)

CARTON I.D. STAMP: \_ \_ \_ \_ 14459 \_ (Box 3)

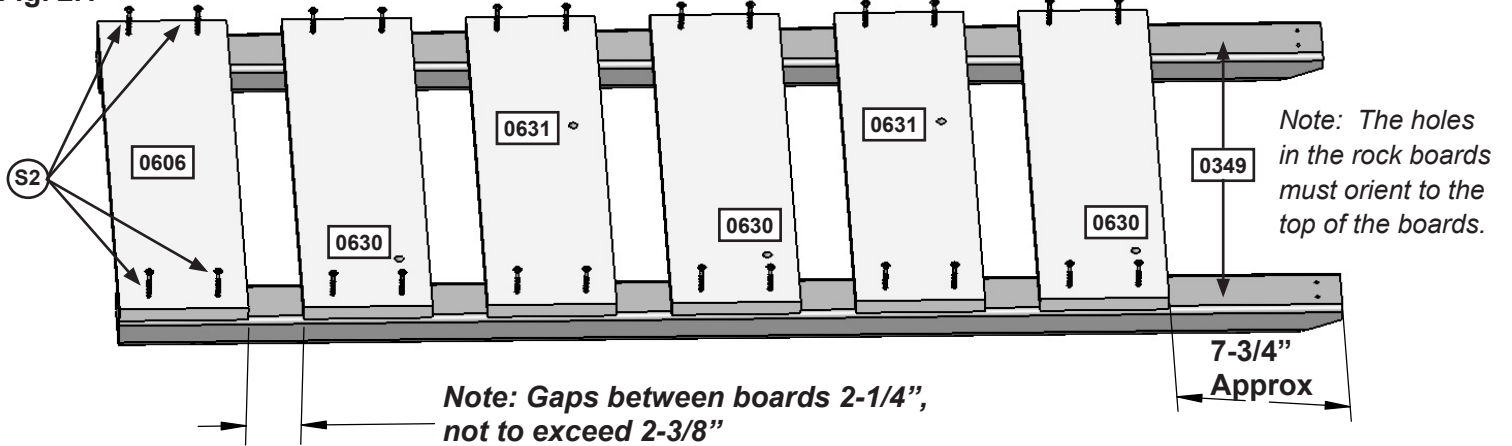
CARTON I.D. STAMP: \_ \_ \_ \_ 14459 \_ (Box 6)

TRACKING NUMBER (from ID Plaque): \_\_\_\_\_

# Step 2: Rock Wall Assembly



Fig. 2.1



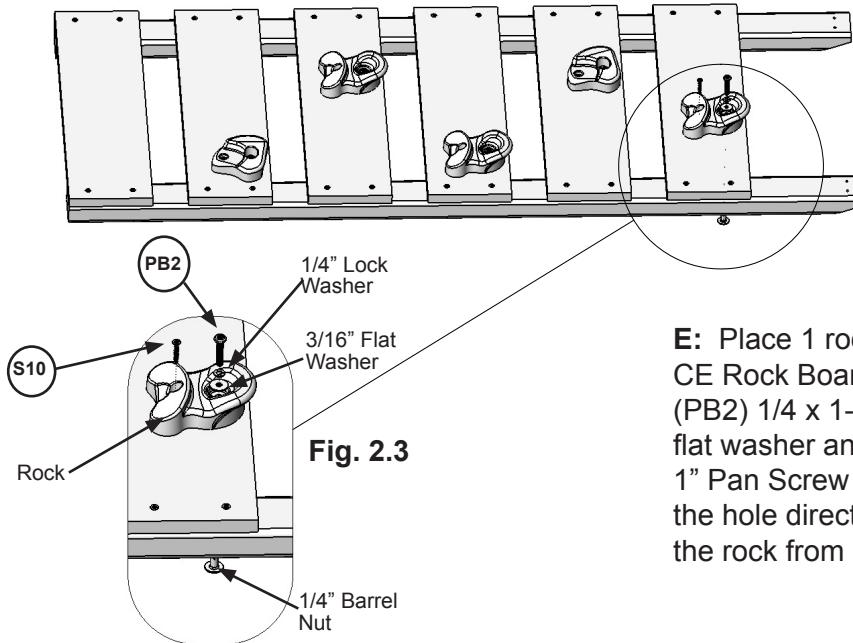
**A:** Lay 2 (0349) Rock Rails down, side by side with angled edges facing down. (fig. 2.1)

**B:** Place (0606) CE Access Board on the bottom of each (0349) Rock Rail as shown in fig. 2.1. Make sure (0606) CE Access Board is flush to the outside and bottom edges of each (0349). Attach using 4 (S2) #8 x 1-1/2" Wood Screws.

**C:** 7-3/4" down from the top of both (0349) Rock Rails place 1 (0630) CE Rock Board, making sure the sides are flush to the outside edges of each (0349) Rock Rail. Attach using 4 (S2) #8 x 1-1/2" Wood Screws. (fig. 2.1)

**D:** In between the (0606) CE Access Board and (0630) CE Rock Board stagger 2 (0630) and 2 (0631) CE Rock Boards using 4 (S2) #8 x 1-1/2" Wood Screws per board. Placing them as shown in fig. 2.1, this will prevent rocks from forming a straight line. Make sure the boards are evenly spaced and do not exceed 2-3/8" between boards.

Fig. 2.2



**E:** Place 1 rock on each (0630) and (0631) CE Rock Board (fig. 2.2) and attach 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. The Screw must be in the hole directly under the Pan Bolt, it will stop the rock from spinning. (fig. 2.3)

**Wood Parts**

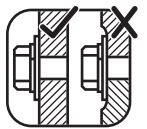
- 1 x 0606 CE Access Board 1 x 6 x 19-3/4"
- 3 x 0630 CE Rock Board 1 x 6 x 19-3/4"
- 2 x 0631 CE Rock Board 1 x 6 x 19-3/4"
- 2 x 0349 Rock Rail 2 x 3 x 51"

**Hardware**

- 24 x S2 #8 x 1-1/2" Wood Screw
- 5 x S10 #8 x 1" Pan Screw
- 5 x PB2 1/4 x 1-1/4 Pan Bolt (1/4" lock washer, 3/16" flat washer & 1/4" barrel nut)

**Other Parts**

- 5 x Rocks (3 green/2 yellow)



# Step 3: Swing Beam Assembly

Fig. 3.4



Make sure triangle is tight against beam



**Warning:** For your child's safety, orientate the swing hangers as shown to ensure your swing will have proper swing motion when installed. Failure to do so could result in premature failure of the swing hanger or swing chain.

**A:** In the middle holes of (1825) Back Beam install 2 Bolt-Thru Swing Hangers (fig. 3.1) making sure the swing hangers are oriented in the direction shown in fig. 3.4 to maintain proper swing motion.

**B:** In the end holes of (1826) Front Beam install 2 Bolt-Thru Swing Hangers (fig. 3.1) making sure the swing hangers are oriented in the direction shown in fig. 3.4 to maintain proper swing motion.

Bolt-Thru Swing Hangers

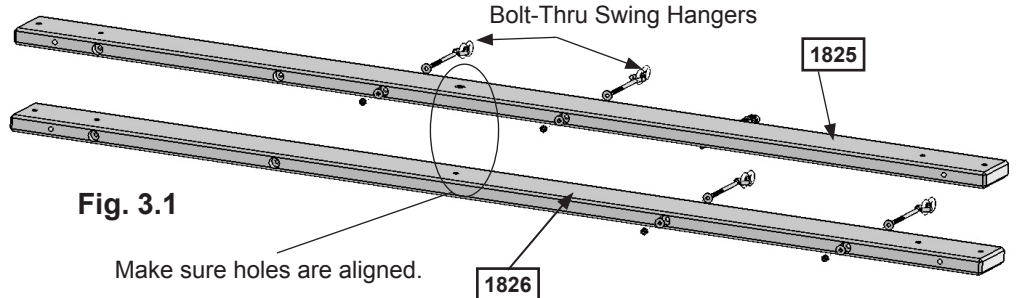
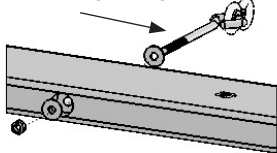


Fig. 3.1

Make sure holes are aligned.

Fig. 3.2

**Important!** Swing End (With Overhang)

**Important!** Fort End Side (No Overhang)

**C:** Attach 1 Triangle Plate to the ends of each (1826) Front Beam and (1825) Back Beam using 1 (G1) 5/16 x 1-1/2" Hex Bolt (with lock washer, flat washer and t-nut) per triangle plate in the hole indicated in fig. 3.2 & 3.3. **Correct hole usage is very important.**

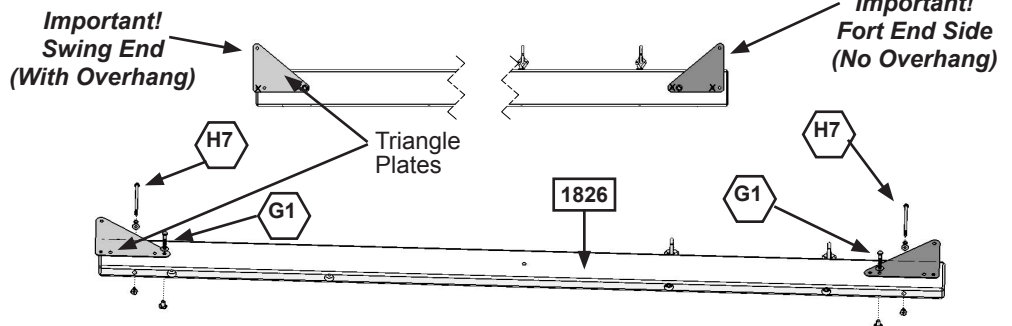
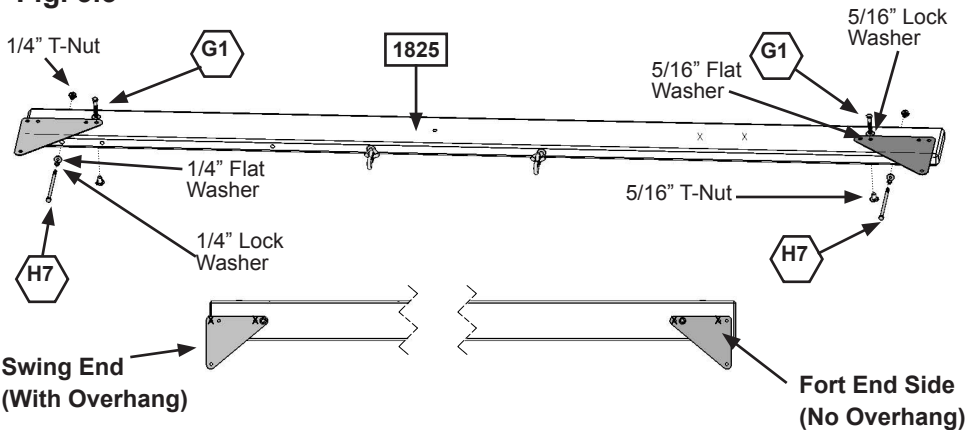


Fig. 3.3



**D:** Attach 1 (H7) 1/4 x 5-1/2" Hex Bolt (with lock washer, flat washer and t-nut) to the ends of each (1826) Front Beam and (1825) Back Beam. The bolts do not attach to anything, but **MUST** be installed to the beams to prevent splitting and checking of wood. (fig. 3.2 & 3.3)

**Wood Parts**

- 1 x 1826 Front Beam 2 x 6 x 83-5/8"
- 1 x 1825 Back Beam 2 x 6 x 83-5/8"

**Hardware**

- 4 x H7 1/4 x 5-1/2" Hex Bolt (1/4" flat washer, 1/4" lock washer, 1/4" t-nut)
- 4 x G1 5/16 x 1-1/2" Hex Bolt (5/16" flat washer, 5/16" lock washer, 5/16" t-nut)

**Other Parts**

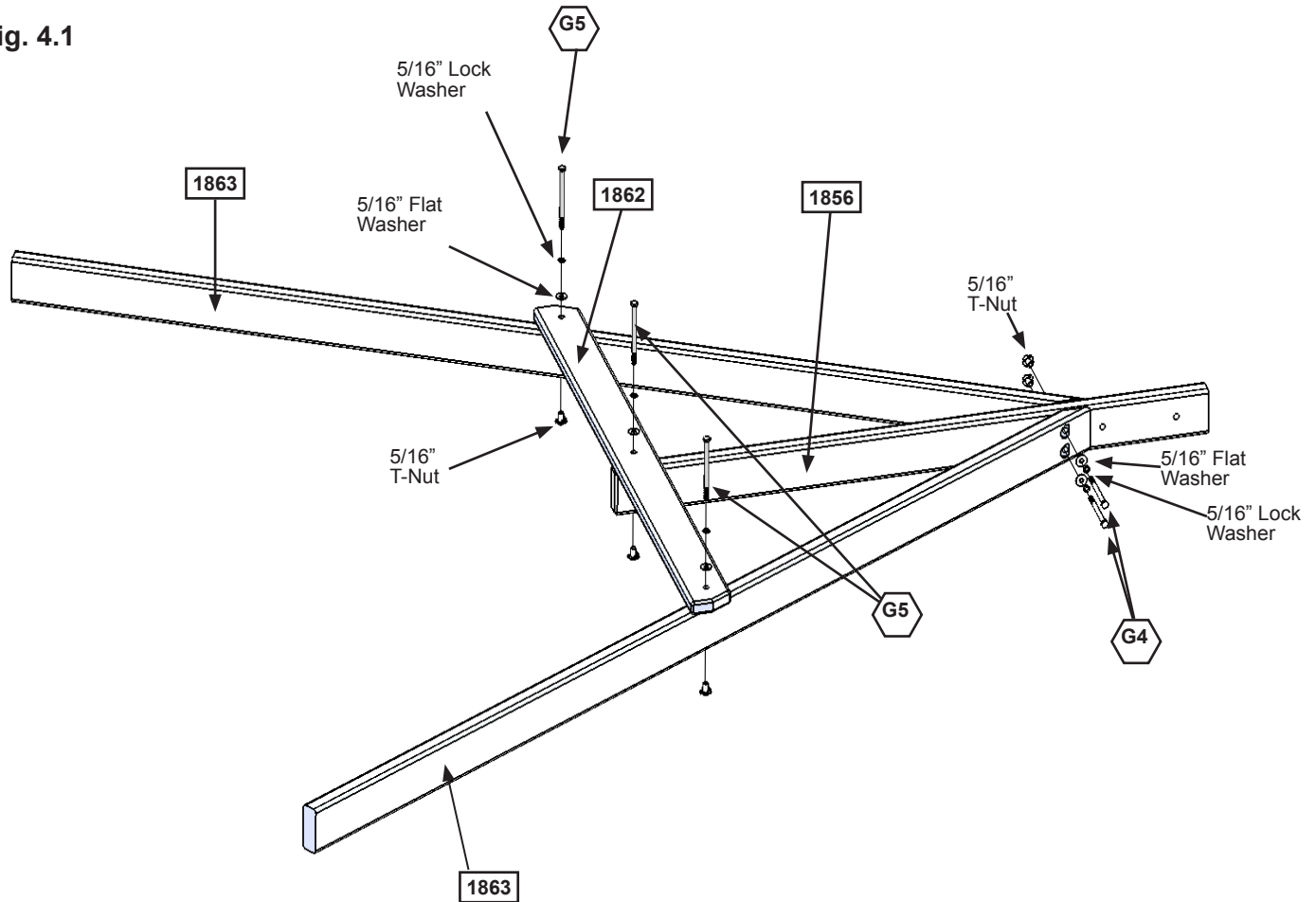
- 1 x Bolt-Thru Swing Hangers (pkg of 4)
- 1 x Triangle Plate (pkg of 4)



# Step 4: Swing End Assembly

**A:** Attach 2 (1863) SW Posts to (1856) SW Upright using 2 (G4) 5/16 x 4" Hex Bolts (with lock washer, flat washer and t-nut). (fig. 4.1)

**Fig. 4.1**



**B:** Attach (1862) SW Support to both (1863) SW Posts and (1856) SW Upright using 3 (G5) 5/16 x 4-1/2" Hex Bolts (with lock washer, flat washer and t-nut). (fig. 3.1)

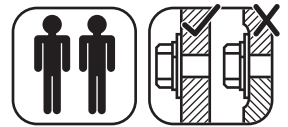
### Wood Parts

- 2 x 1863 SW Post 2 x 4 x 86-11/16"
- 1 x 1862 SW Support 5/4 x 4 x 46-1/2"
- 1 x 1856 SW Upright 2 x 4 x 48-5/16"

### Hardware

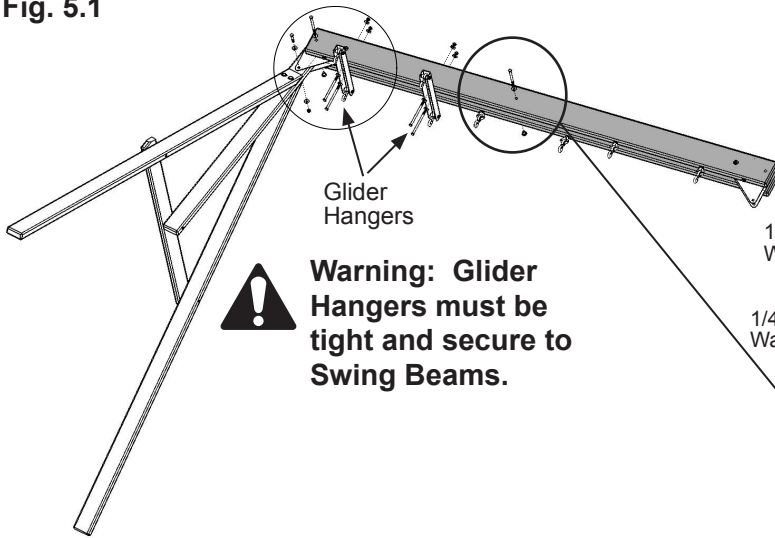
- 2 x G4 5/16 x 4" Hex Bolt  
(5/16" lock washer, 5/16" flat washer, 5/16" t-nut)
- 3 x G5 5/16 x 4-1/2" Hex Bolt  
(5/16" lock washer, 5/16" flat washer, 5/16" t-nut)

# Step 5: Attach Swing End to Swing Beam

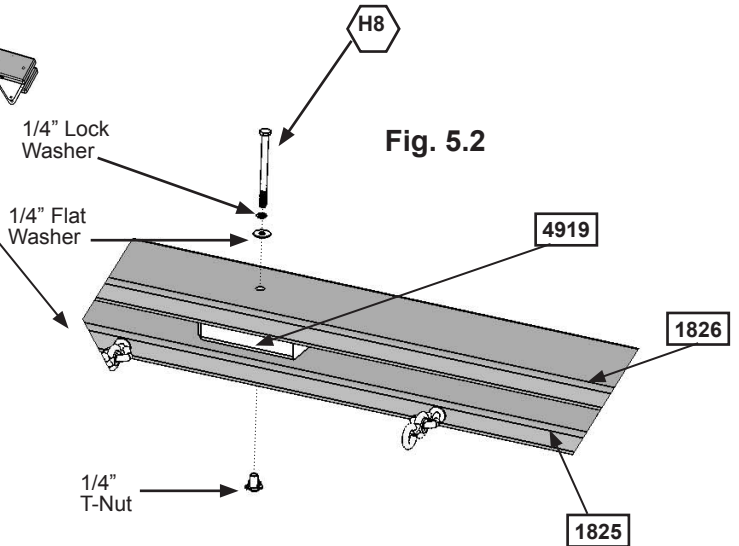


**A:** Place (4919) SW Rail Block in the centre between (1826) Front Beam and (1825) Back Beam and attach with 1 (H8) 1/4 x 4-1/4" Hex Bolt (with lock washer, flat washer and t-nut). (fig. 5.1 & 5.2)

**Fig. 5.1**



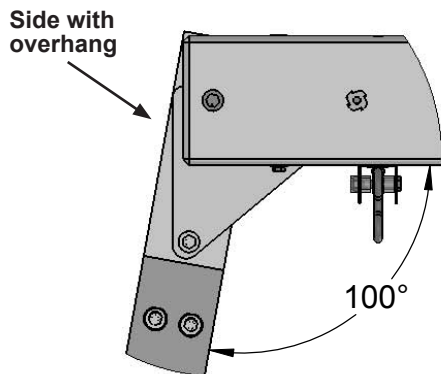
**Fig. 5.2**



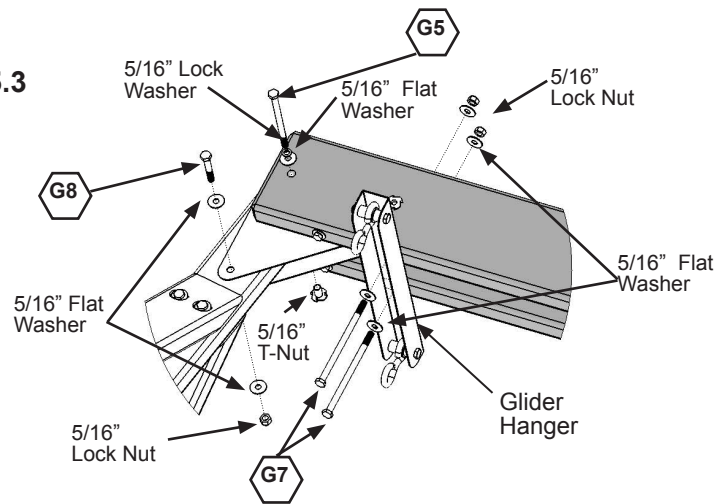
**B:** Attach Swing Beam Assembly to the side of the Swing End Assembly with the overhang (fig. 5.3 & 5.4) using 1 (G5) 5/16 x 4-1/2" Hex Bolt (with lock washer, flat washer and t-nut) in the top hole of Triangle Plate and 1 (G8) 5/16 x 2" Hex Bolt (with 2 flat washers and lock nut) in the bottom hole of Triangle Plate. (fig. 5.3) Make sure Swing End Assembly flares out at an angle. (fig. 5.4)

**C:** Attach 2 Glider Hangers to the Swing Beam Assembly using 2 (G7) 5/16 x 5-1/2" Hex Bolt (with 2 flat washers & lock nut) per Glider Hanger. (fig. 5.1 & 5.3)

**Fig. 5.4**



**Fig. 5.3**



**Wood Parts**

1 x 4919 SW Rail Block 2 x 4 x 5-3/8"

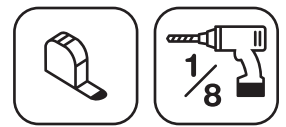
**Hardware**

- 1 x H8 1/4 x 4-1/4" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)
- 1 x G5 5/16 x 4-1/2" Hex Bolt (5/16" lock washer, 5/16" flat washer, 5/16" t-nut)
- 4 x G7 5/16 x 5-1/2" Hex Bolt (5/16" flat washer x2, 5/16" lock nut)
- 1 x G8 5/16 x 2" Hex Bolt (5/16" flat washer x2, 5/16" lock nut)

**Other Parts**

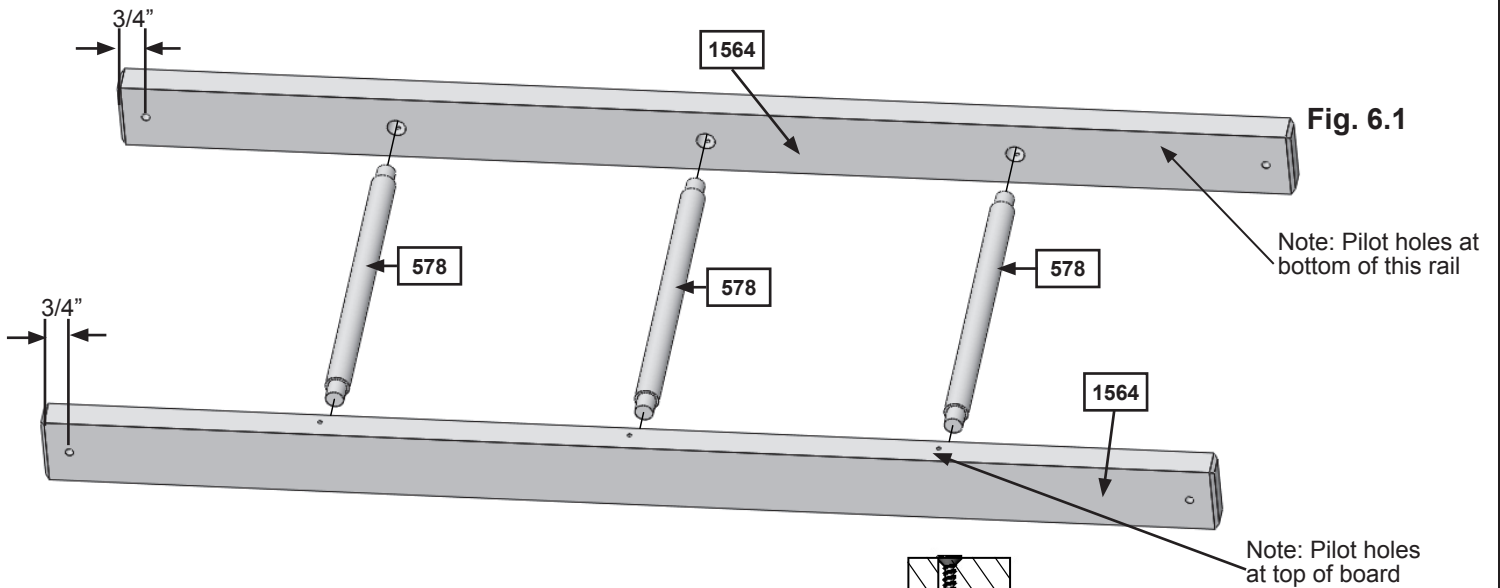
2 x Glider Hangers

# Step 6: Monkey Rail Assembly

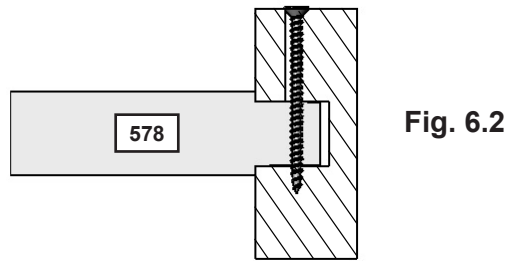


**Pre-drill all pilot holes using a 1/8" drill bit before installing wood screws.**

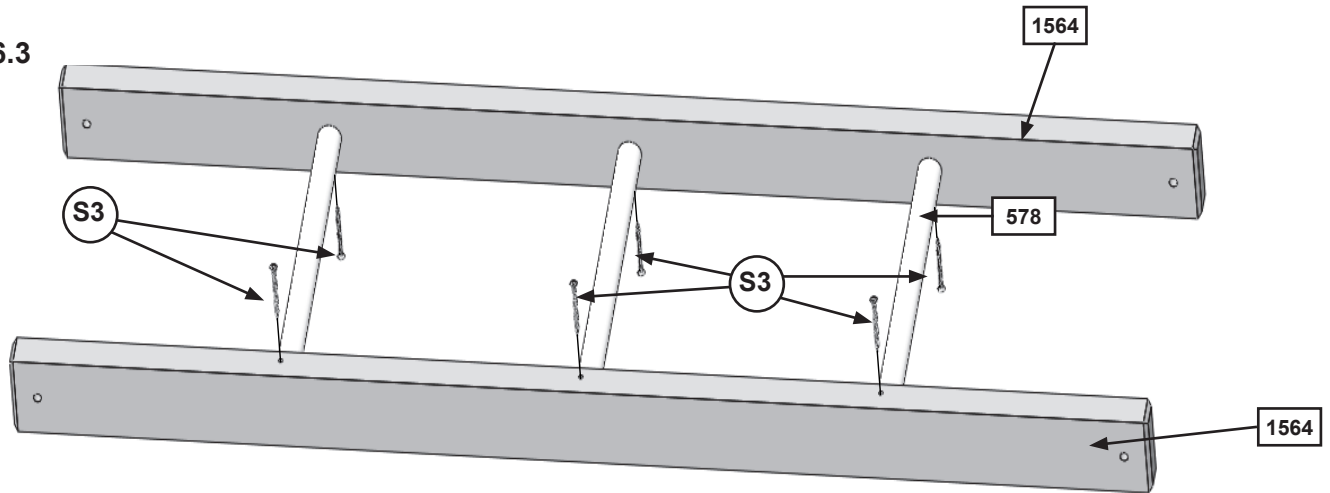
**A:** Insert 3 (578) 1-1/8 x 15-7/8" Dowels into both (1564) MK Rail Longs as shown in fig. 6.1. Note the pilot holes in one of the (1564) MK Rail Long are on the bottom of the board.



**B:** Make sure shoulder of dowel is against each rail before pre-drilling pilot holes. Drill 1/8" pilot holes through the rails and into the dowels to prevent splitting. (fig. 6.2)



**Fig. 6.3**



**C:** Attach (578) 1-1/8 x 15-7/8" Dowels to both rails with 2 (S3) #8 x 2-1/2" Wood Screws per dowel. (fig. 6.3)

**Wood Parts**

- 3 x **578** Tennon Dowel 1-1/8 x 15-7/8"
- 2 x **1564** MK Rail Long 2 x 4 x 52"

**Hardware**

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

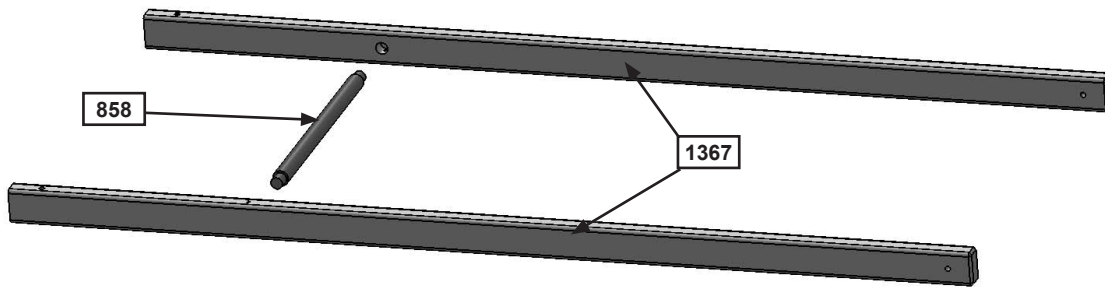
# Step 7: Monkey Ladder Assembly



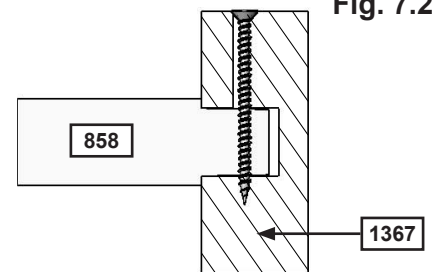
**Note: Pre-drill all holes using a 1/8" drill bit before installing the lag screws and wood screws.**

**A:** Insert 1 (858) 1-1/8 x 18-5/8" Dowel into 2 (1367) Post MK as shown in fig. 7.1.

**Fig. 7.1**



**Fig. 7.2**



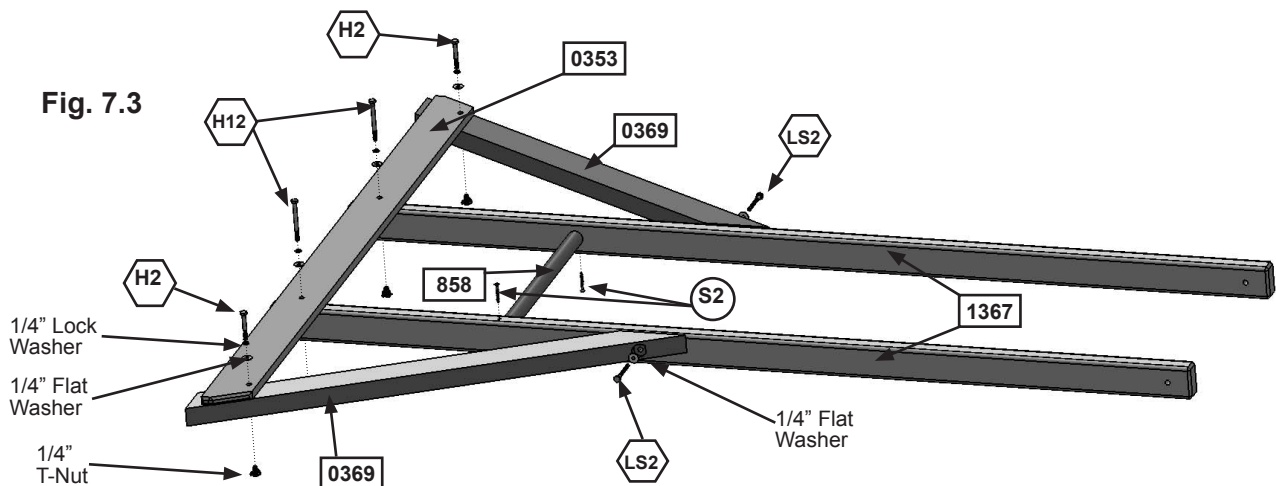
**B:** Make sure shoulder of dowel is against each post before pre-drilling pilot holes. Drill 1/8" pilot holes through the posts and into the dowel to prevent splitting. (fig. 7.2)

**C:** Attach (858) 1-1/8 x 18-5/8" Dowel to both posts with 2 (S2) #8 x 1-1/2" Wood Screws. One screw is installed from top of the rails and the other from the bottom as shown in fig. 7.3.

**D:** At bottom of (1367) Post MK attach (0353) MK Ground with 2 (H12) 1/4 x 3" Hex Bolts (with lock washer, flat washer and t-nut). **Be sure to keep the bolts loose.** (fig. 7.3)

**E:** Make sure the assembly is square and then attach 1 (0369) Lower Diagonal to each end of (0353) MK Ground with 1 (H2) 1/4 x 2" Hex Bolt (with lock washer, flat washer and t-nut), keeping the bolts loose, and to each (1367) Post MK with 1 (LS2) 1/4 x 2-1/2" Lag Screw (with flat washer). Once lag screws are installed tighten all bolts from Steps D & E. (fig. 7.3)

**Fig. 7.3**



### Wood Parts

- 2 x 0369 Lower Diagonal 2 x 3 x 37"
- 1 x 0353 MK Ground 1 x 4 x 55-1/4"
- 2 x 1367 Post MK 2 x 3 x 70"
- 1 x 858 Tennon Dowel 1-1/8 x 18-5/8"

### Hardware

- 2 x H12 1/4 x 3" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)
- 2 x H2 1/4 x 2" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)
- 2 x LS2 1/4 x 2-1/2" Lag Screw (1/4" flat washer)
- 2 x S2 #8 x 1-1/2" Wood Screw

# Step 8: Connect Monkey Bar Assemblies



**Note:** Pre-drill all holes using a 1/8" drill bit before installing the pan screws.

**A:** Using a Monkey Bracket connect both (1564) MK Rail Longs to each (1367) Post MK with 1 (G10) 5/16 x 3" Hex Bolt (with lock washer, flat washer and t-nut) and Monkey Bracket to the rails using 2 (S6) #12 x 1" Pan Screws per rail as shown in fig. 8.1 and 8.2. Be sure to attach the correct end, using the 1-1/4" measurement shown in fig. 8.2 as your guide.

**B:** Attach Monkey Bracket to both (1367) Post MKs with 2 (S6) #12 x 1" Pan Screws per bracket. (fig. 8.2)

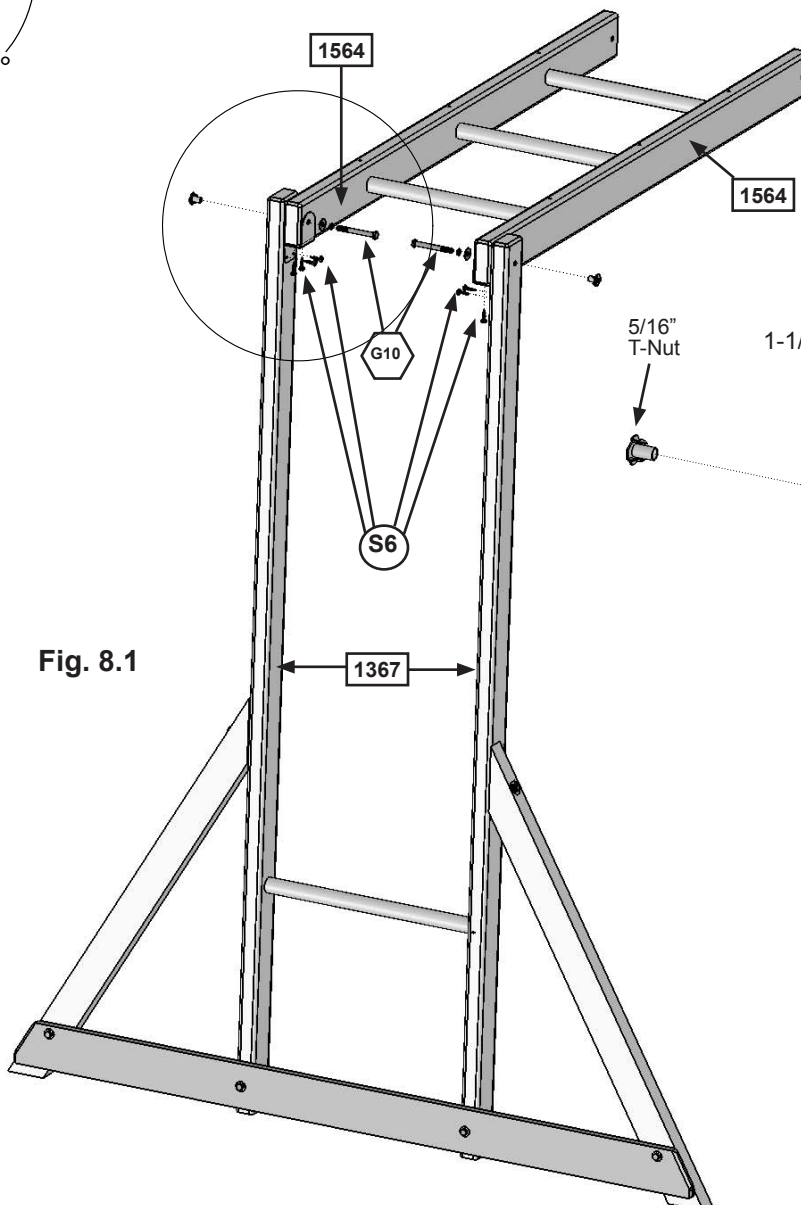
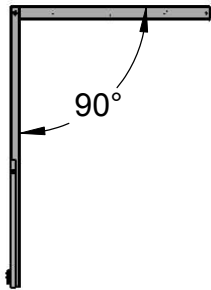


Fig. 8.1

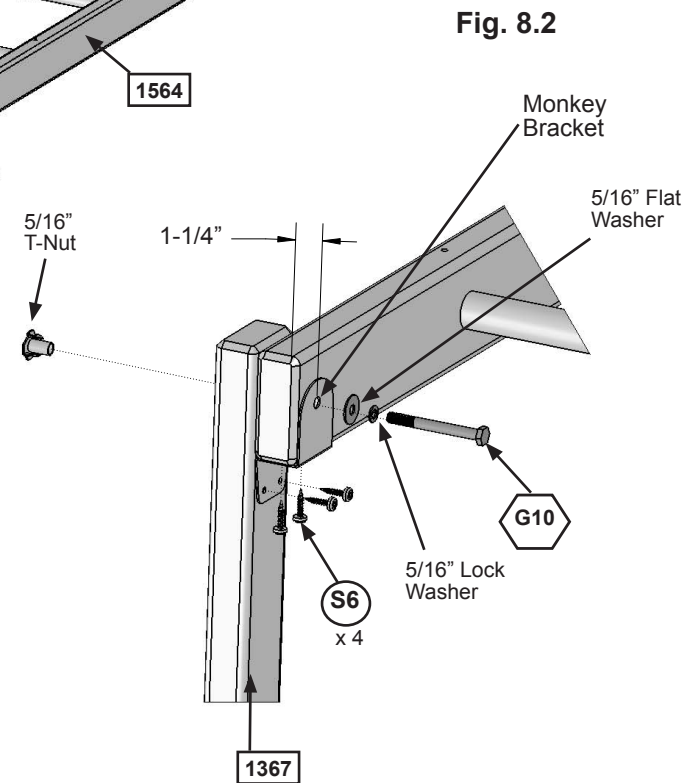


Fig. 8.2

**Hardware**

- 2 x 5/16 x 3" Hex Bolt (5/16" lock washer, 5/16" flat washer, 5/16" t-nut)
- 8 x #12 x 1" Pan Screw

**Other Parts**

- 2 x Monkey Bracket



# Step 9: Roof Assembly

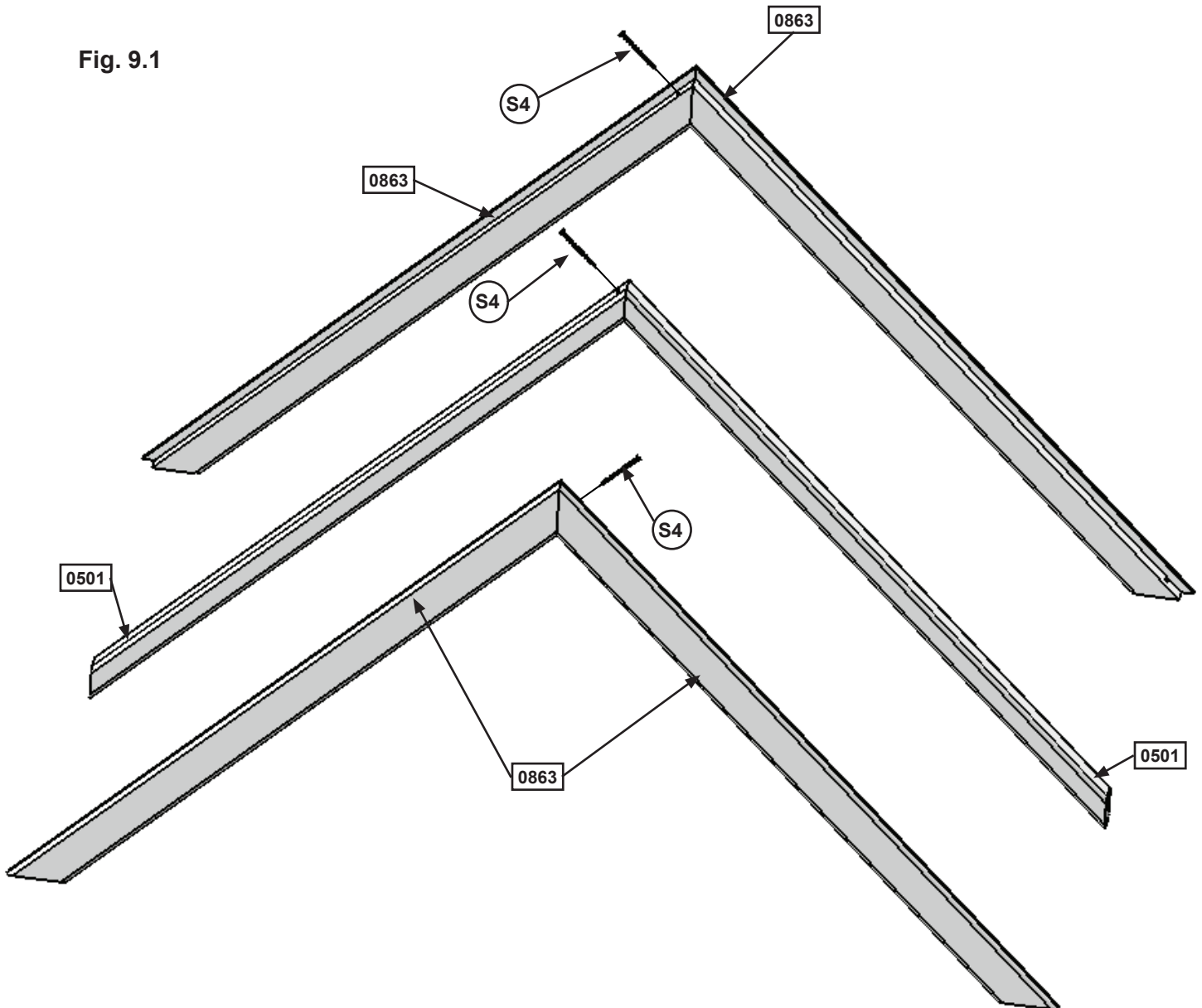
## Part 1

**A:** Attach 1 (0863) Roof Support to another at the peak using 1 (S4) #8 x 3" Wood Screw. Do this twice so you have 2 Roof Support Assemblies. (fig. 9.1)

**B:** Attach 1 (0501) Joist to another at the peak using 1 (S4) #8 x 3" Wood Screw. (fig. 9.1)

**C:** Place the Roof Supports and Joist Assemblies in the pattern shown in fig. 9.1. Once in the pattern check that the assemblies have the same angles.

Fig. 9.1



### Wood Parts

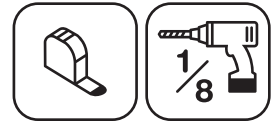
- 2 x 0501 Joist 2 x 2 x 43-1/2"
- 4 x 0863 Roof Support 2 x 3 x 43-1/2"

### Hardware

- 3 x S4 #8 x 3" Wood Screw

# Step 9: Roof Assembly

## Part 2

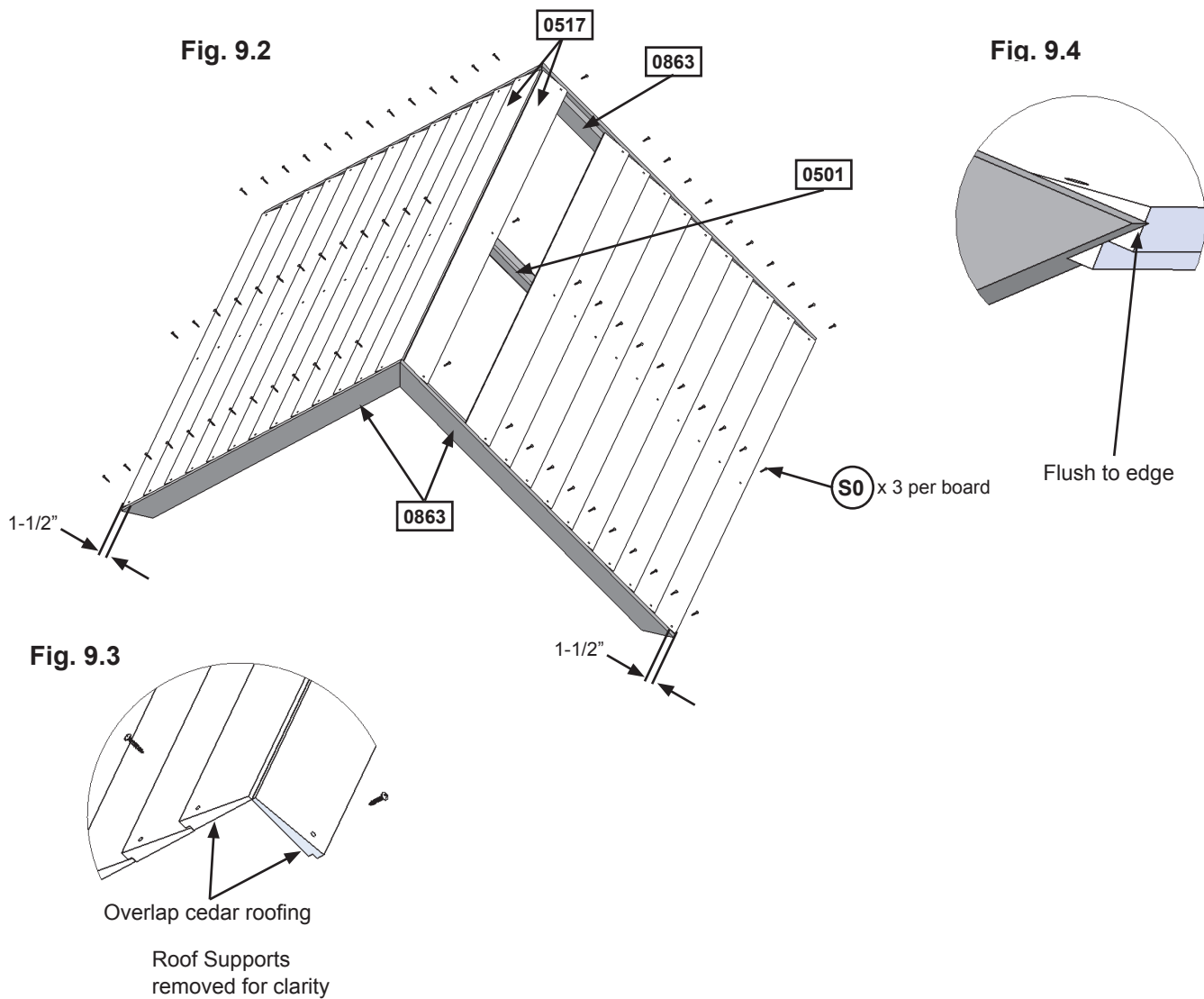


**D:** Starting at the top of the Roof Support Assembly attach 1 (0517) Cedar Roofing on each side of the (0863) Roof Supports and (0501) Joists with 3 (S0) #8 x 7/8" Truss Screws per board. (fig. 9.2) Be sure to overlap the top of the boards so there are no gaps. (fig. 9.3)

**E:** Drill a hole 1-1/2" up from the bottom of the 2 bottom (0517) Cedar Roofing (for bottom row only). Attach 1 (0517) Cedar Roofing at the bottom of the Roof Support Assembly on each side, making sure they are flush to each (0863) Roof Support with 3 (S0) #8 x 7/8" Truss Screws. (fig. 9.2 and 9.4)

**F:** On one side of the assembly evenly space and attach 11 (0517) Cedar Roofing, leaving no gaps, with 3 (S0) #8 x 7/8" Truss Screws per board. There should be 13 (0517) Cedar Roofing on this side. (fig. 9.2)

**G:** On the other side of the assembly evenly space and attach 9 (0517) Cedar Roofing, leaving no gaps, with 3 (S0) #8 x 7/8" Truss Screws per board. This will be the front of the Roof Assembly. (fig. 9.2)



### Wood Parts

24 x 0517 Cedar Roofing 3/8 x 3-1/2 x 48"

### Hardware

72 x S0 #8 x 7/8" Truss Screw

# Step 9: Roof Assembly

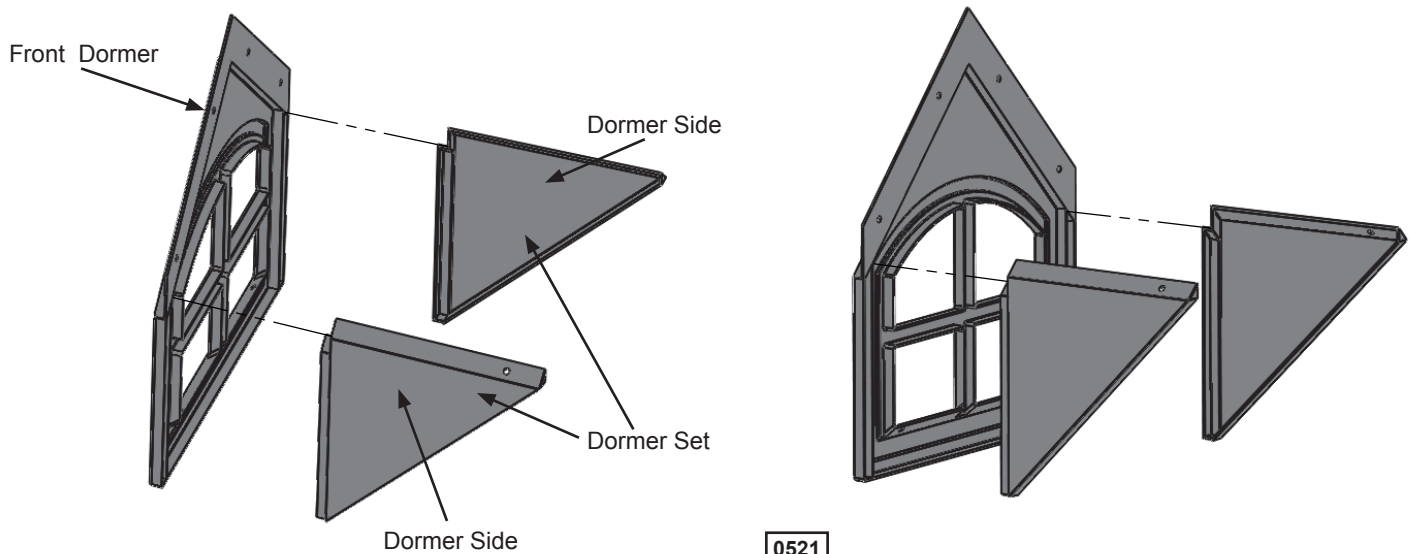
## Part 3

**H:** To assemble the Dormer Assembly insert the 2 Dormer Sides into the Dormer Front. (fig. 9.5)

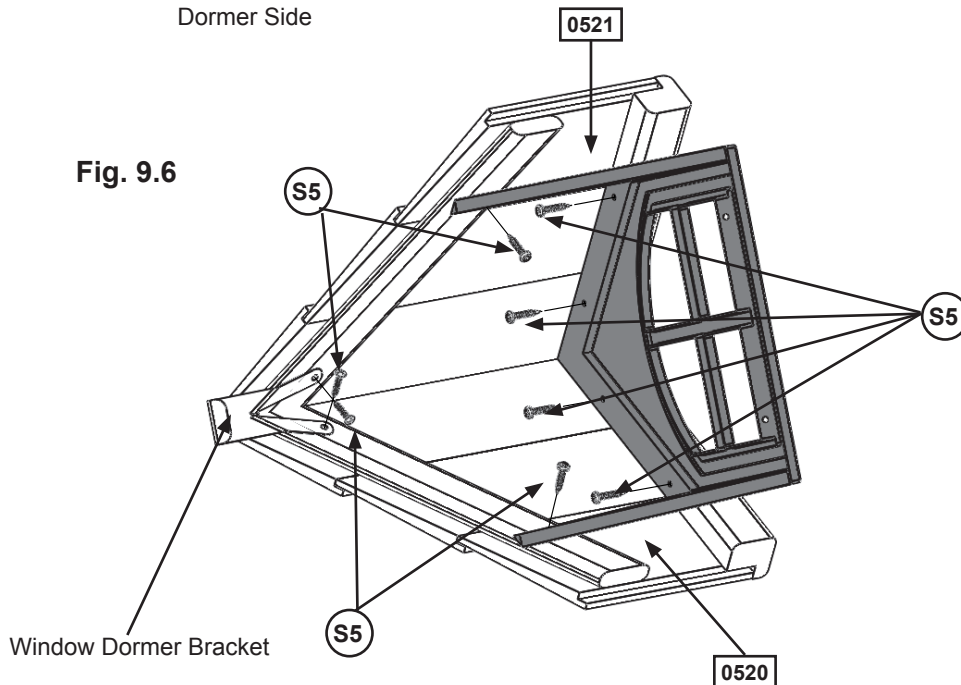
**I:** Attach (0520) Window Dormer Roof Right and (0521) Window Dormer Roof Left together with the Window Domer Bracket using 2 (S5) #8 x 1/2" Pan Screws, as shown in fig. 9.6.

**J:** Attach the Dormer Sides and Front to the Right and Left Window Dormer Roof with 6 (S5) #8 x 1/2" Pan Screws. (fig 9.6)

**Fig. 9.5**



**Fig. 9.6**



### Wood Parts

- 1 x 0521 Window Dormer Roof Left
- 1 x 0520 Window Dormer Roof Right

### Hardware

- 8 x S5 #8 x 1/2" Pan Screw

### Other Parts

- 1 x Small Window Dormer - Green
- 1 x Window Dormer Bracket

# Step 9: Roof Assembly

## Part 4



**K:** On the front of the Roof Assembly, on the sixth (0517) Cedar Roofing from the bottom, place (0522) Window Dormer Cleat centred over the middle screw. Use the Dormer Assembly as a guide to make sure the spacing is correct, pre-drill using a 1/8" drill bit, then attach (0522) Window Dormer Cleat to Roof Assembly from underneath the assembly with 2 (S1) #8 x 1-1/8" Wood Screws. (fig. 9.7)

**L:** Hang the Dormer Assembly on the tenth (0517) Cedar Roofing and attach the Dormer Assembly to (0522) Window Dormer Cleat with 2 (S5) #8 x 1/2" Pan Screws as shown in fig. 9.7.

**M:** Attach the 2 remaining (0517) Cedar Roofing to the Roof Assembly, leaving no gaps, with 3 (S0) #8 x 7/8" Truss Screws per board. (fig. 9.8)

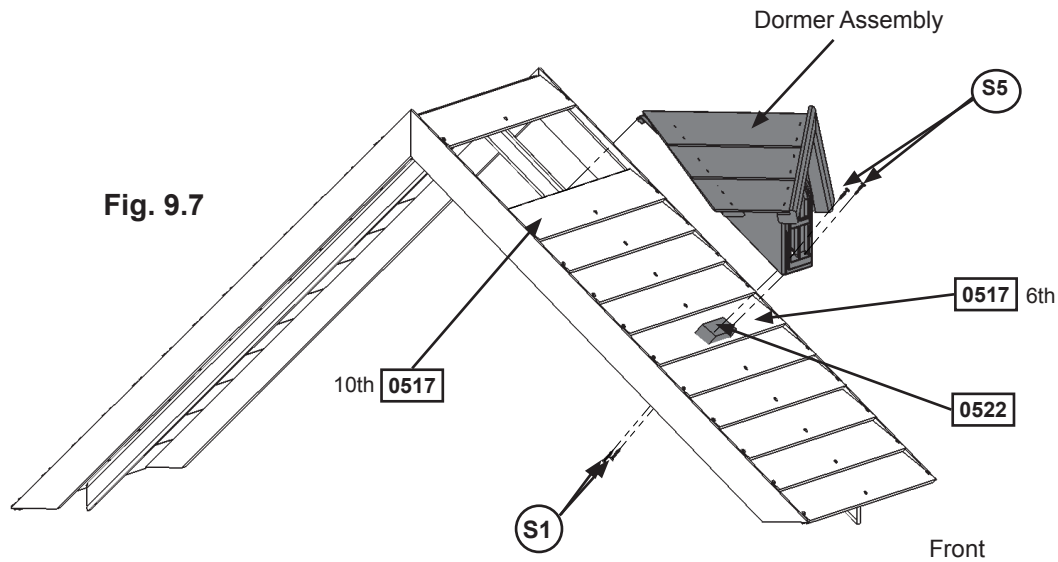


Fig. 9.7

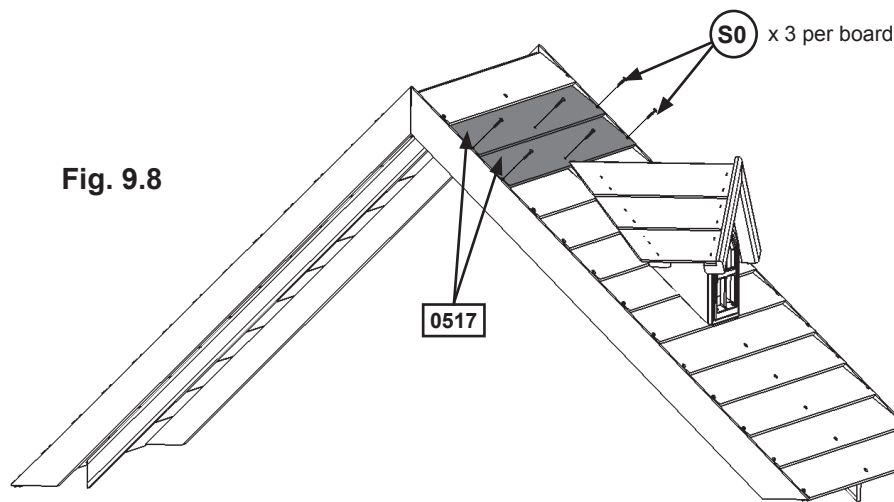


Fig. 9.8

### Wood Parts

- 1 x 0522 Window Dormer Cleat 5/4 x 2 x 8"
- 2 x 0517 Cedar Roofing 3/8 x 3-1/2 x 48"

### Hardware

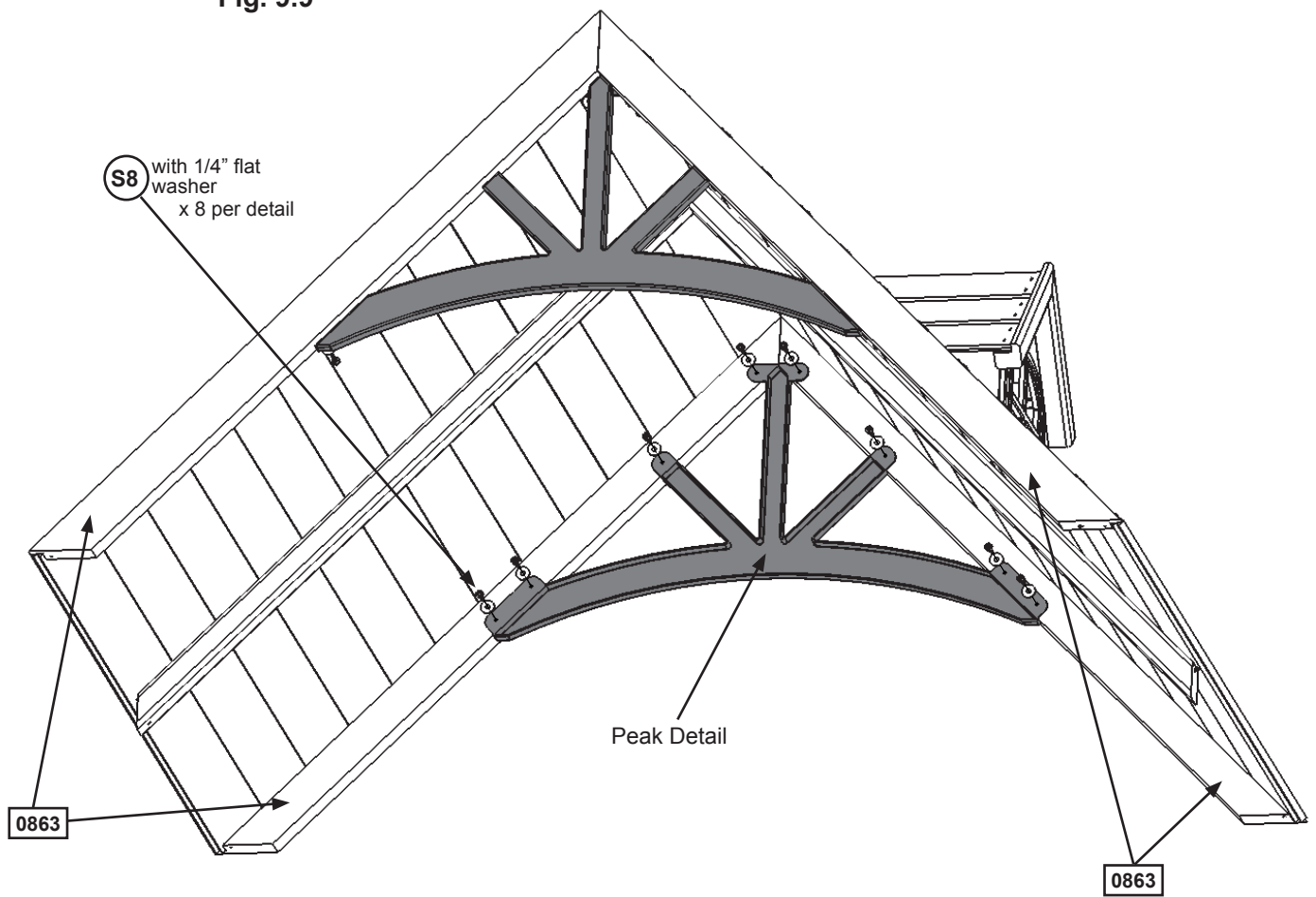
- 2 x S1 #8 x 1-1/8" Wood Screw
- 2 x S5 #8 x 1/2" Pan Screw
- 6 x S0 #8 x 7/8" Truss Screw

# Step 9: Roof Assembly

## Part 5

**N:** Place 1 Peak Detail - Green on each side of the Roof Assembly and attach to (0863) Roof Supports with 8 (S8) #12 x 3/4" Pan Screws (with 1/4" flat washer) per Peak Detail - Green as shown in fig. 9.9.

**Fig. 9.9**



### Hardware

16 x (S8) #12 x 3/4" Pan Screw (1/4" flat washer)

### Other Parts

1 x Peak Detail - Green (2pk)

# Step 10: Cafe Wall Assembly



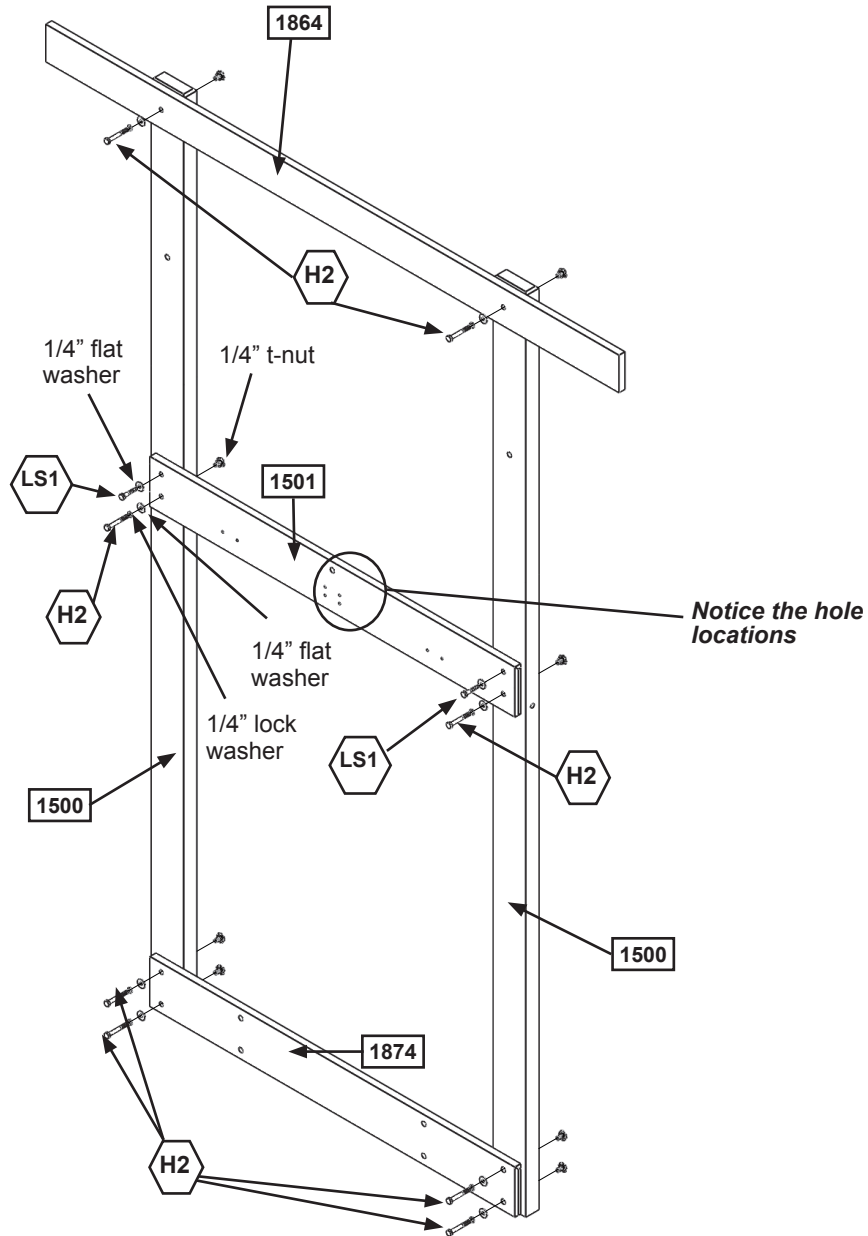
**Note: Pre-drill all holes using a 1/8" drill bit before installing the lag screws.**

**A:** On the ground lay flat 2 (1500) Posts then attach (1874) Side Ground with 4 (H2) 1/4 x 2" Hex Bolts (with lock washer, flat washer and t-nut); (1501) Floor End using 2 (H2) 1/4 x 2" Hex Bolts (with lock washer, flat washer and t-nut) in the bottom holes; and (1864) SL Roof Side using 2 (H2) 1/4 x 2" Hex Bolts (with lock washer, flat washer and t-nut) as shown in fig. 10.1. **Keep bolts loose.**

**B:** Make sure assembly is square and then fasten (1501) Floor End to (1500) Posts in the top holes using 2 (LS1) 1/4 x 1-1/2" Lag Screws (with flat washer). (fig. 10.1)

**C:** Tighten all bolts.

Fig. 10.1



### Wood Parts

- 1 x 1501 Floor End 1 x 5 x 38-1/4"
- 1 x 1874 Side Ground 1 x 5 x 38-1/4"
- 2 x 1500 Post 2 x 4 x 83"
- 1 x 1864 SL Roof Side 1 x 4 x 59-1/2"

### Hardware

- 8 x H2 1/4 x 2" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)
- 2 x LS1 1/4 x 1-1/2" Lag Screw (1/4" flat washer)

# Step 11: Swing Wall Assembly Part 1



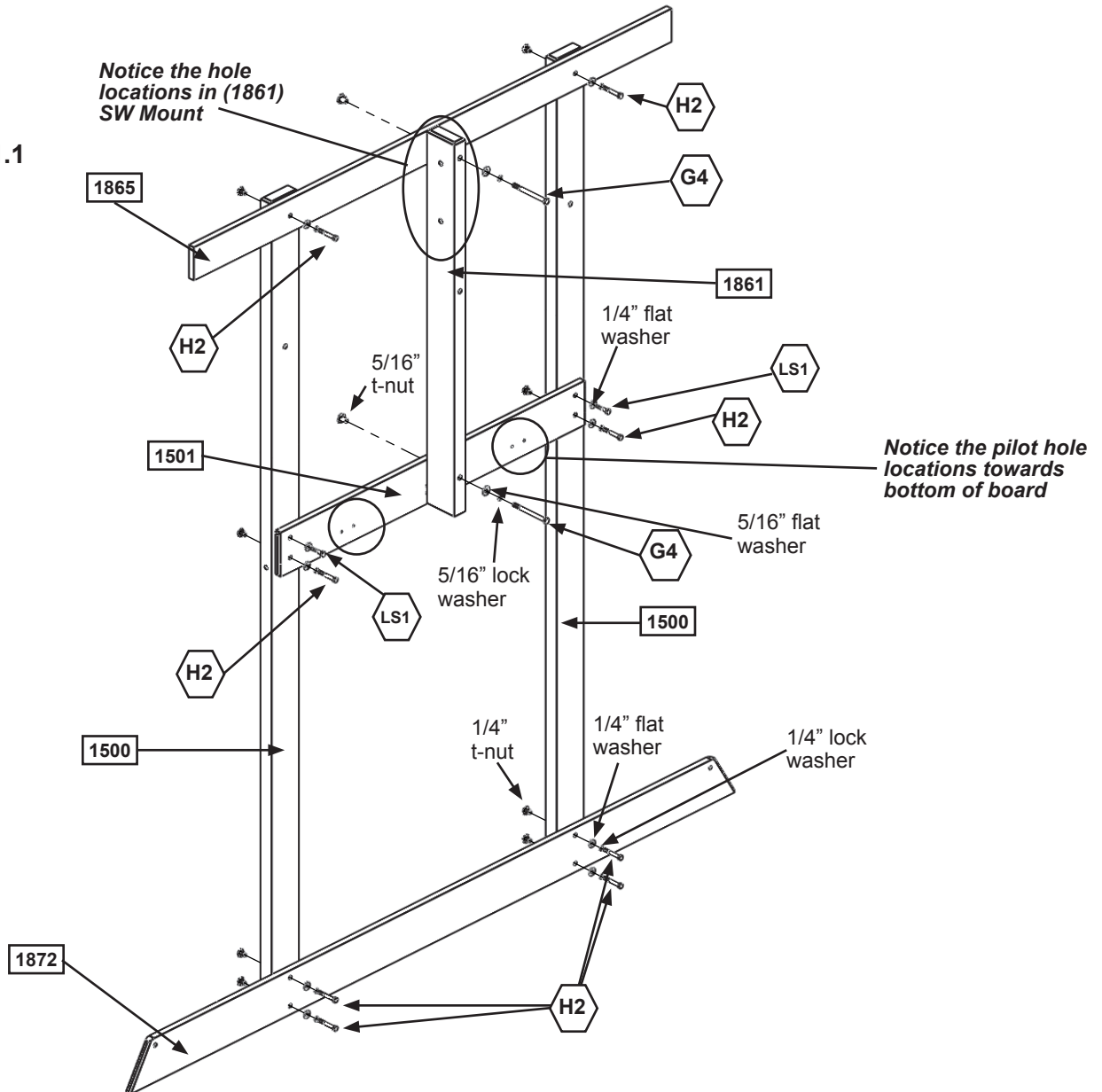
**A:** Attach (1872) Ground using 4 (H2) 1/4 x 2" Hex Bolts (with lock washer, flat washer and t-nut); (1501) Floor End (in the bottom holes) and (1865) SW Roof Side using 2 (H2) 1/4 x 2" Hex Bolts (with lock washer, flat washer and t-nut) for each board to 2 (1500) Posts. (fig. 11.1) **Note: Keep all bolts loose.**

**B:** Place (1861) SW Mount across (1501) Floor End and (1865) SW Roof Side then attach using 2 (G4) 5/16 x 4" Hex Bolts (with lock washer, flat washer and t-nut) as shown in fig. 11.1. Notice the side holes are towards the top of the board.

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

**C:** Make sure assembly is square and then fasten (1501) Floor End to (1500) Posts, in the top holes, using 2 (LS1) 1/4 x 1-1/2" Lag Screws (with flat washer). (fig. 11.1) **Tighten all (H2) 1/4 x 2" Hex Bolts.**

Fig. 11.1



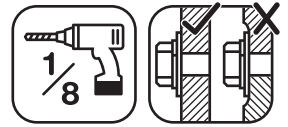
### Wood Parts

- 1 x 1501 Floor End 1 x 5 x 38-1/4"
- 1 x 1865 SW Roof Side 1 x 4 x 59-1/2"
- 2 x 1500 Post 2 x 4 x 83"
- 1 x 1861 SW Mount 2 x 4 x 38-1/8"
- 1 x 1872 Ground 1 x 5 x 75-5/8"

### Hardware

- 8 x H2 1/4 x 2" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)
- 2 x G4 5/16 x 4" Hex Bolt (5/16" lock washer, 5/16" flat washer, 5/16" t-nut)
- 2 x LS1 1/4 x 1-1/2" Lag Screw (1/4" flat washer)

# Step 11: Swing Wall Assembly Part 2

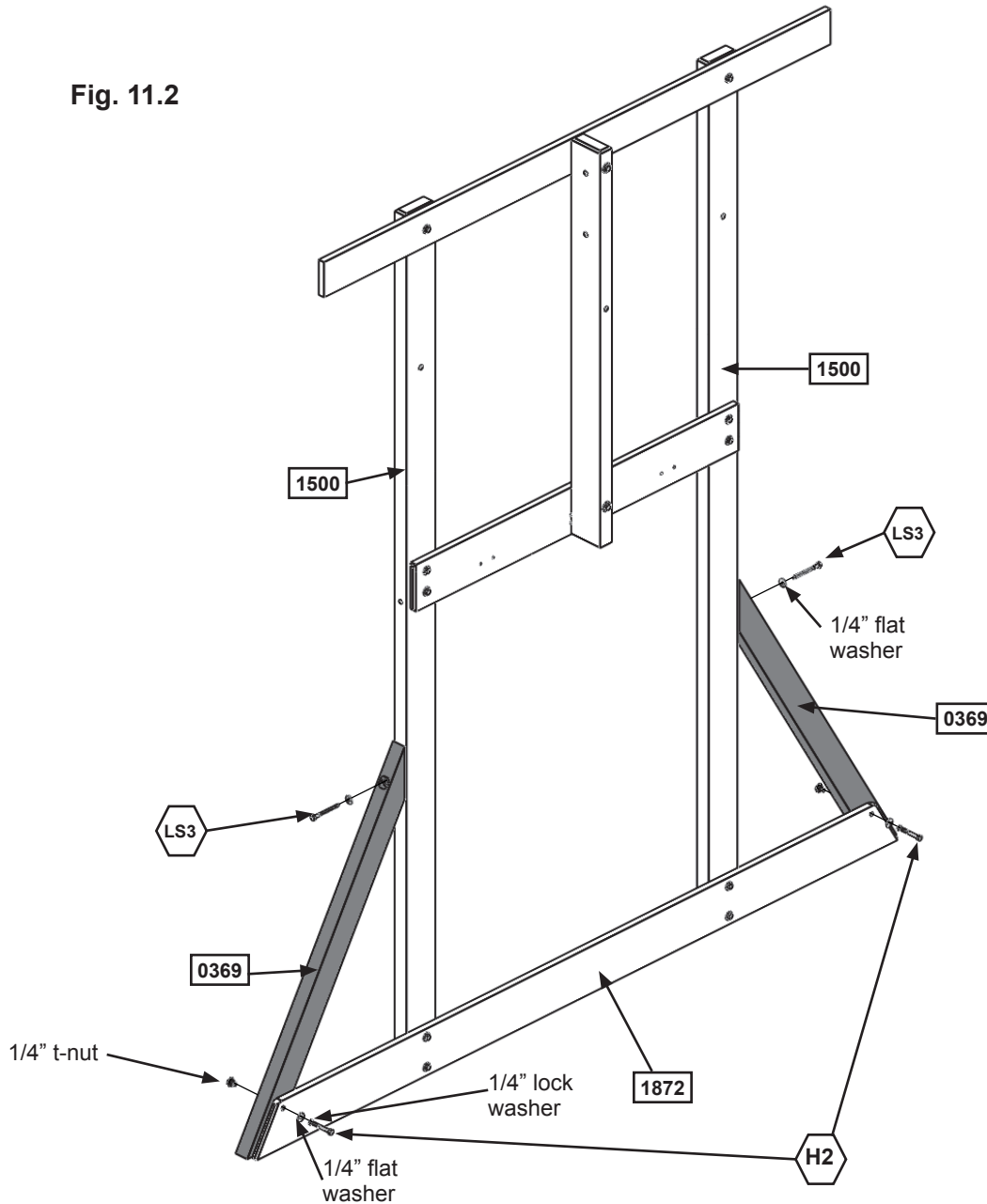


**Note: Pre-drill all holes using a 1/8" drill bit before installing the lag screws.**

**D:** Attach 1 (0369) Lower Diagonal to each end of (1872) Ground with 1 (H2) 1/4 x 2" Hex Bolt (with lock washer, flat washer and t-nut) per diagonal. (fig. 11.2)

**E:** Attach the other end of (0369) Lower Diagonal to each (1500) Post with 1 (LS3) 1/4 x 3" Lag Screw (with flat washer) per diagonal. (fig. 11.2)

Fig. 11.2



### Wood Parts

2 x 0369 Lower Diagonal 2 x 3 x 37"

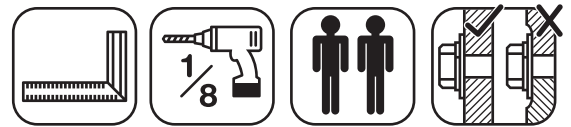
### Hardware

2 x H2 1/4 x 2" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)

2 x LS3 1/4 x 3" Lag Screw (1/4" flat washer)



# Step 12: Lower Fort Frame Assembly

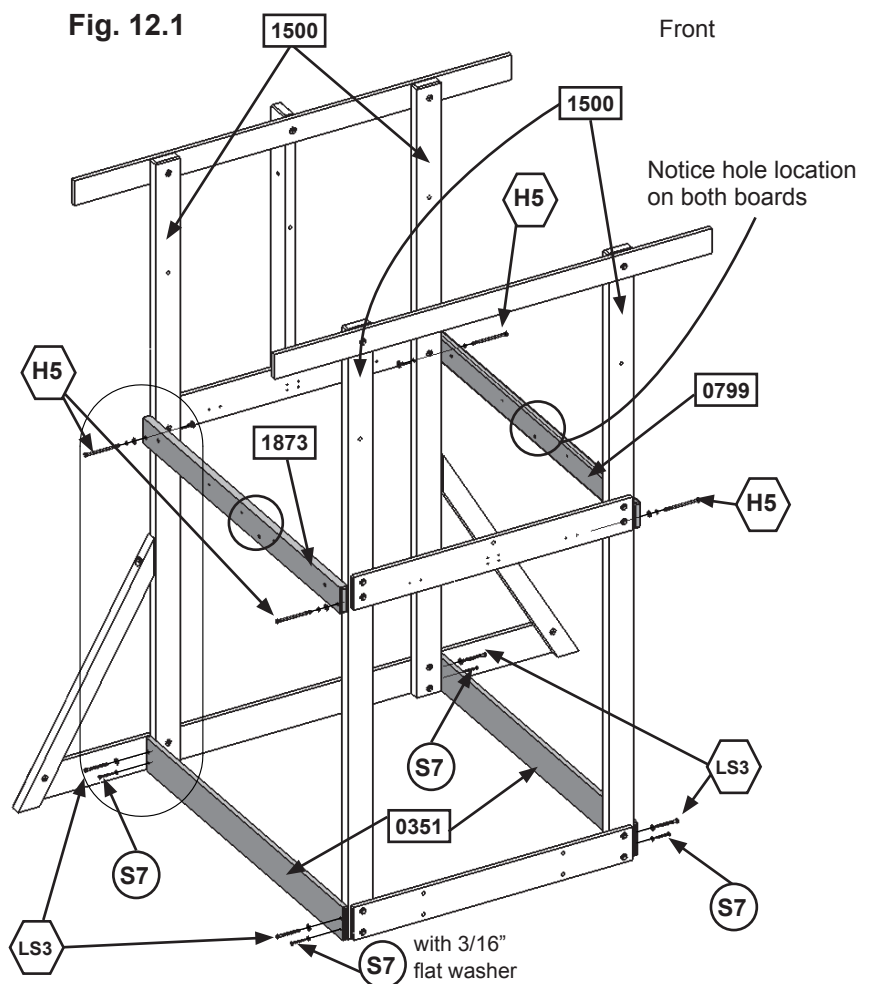
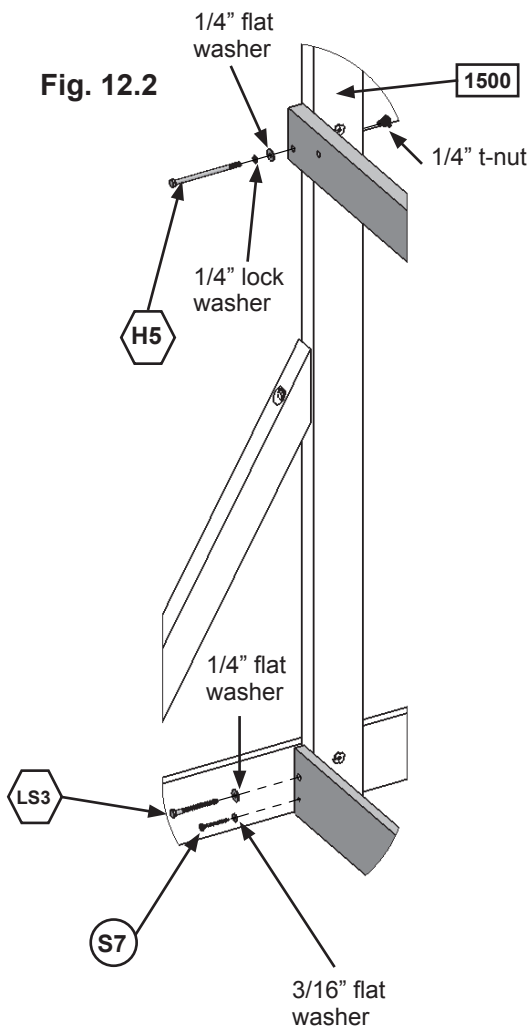


**A:** On the back side of the assembly, attach (1873) Back Floor to both (1500) Posts using 2 (H5) 1/4 x 4-1/2" Hex Bolts (with lock washer, flat washer and t-nut). (fig. 12.1 and 12.2) Notice the middle bolt holes are towards the bottom of the board.

**B:** On the front side of the assembly, attach (0799) Floor Back to both (1500) Posts using 2 (H5) 1/4 x 4-1/2" Hex Bolts (with lock washer, flat washer and t-nut). (fig. 12.1) The middle bolt hole should be towards the bottom.

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

**C:** Square and then attach (0351) Front Back to the bottom of (1500) Posts, on both the front and back sides, with 2 (LS3) 1/4 x 3" Lag Screws (with flat washer) in the top (pre-drilled) holes and 2 (S7) #12 x 2" Pan Screws (with 3/16" flat washers) in the bottom holes, per board, as shown in fig. 12.1 and 12.2.



### Wood Parts

- 1 x 0799 Floor Back 5/4 x 4 x 46-3/4"
- 1 x 1873 Back Floor 5/4 x 4 x 46-3/4"
- 2 x 0351 Front Back 1 x 5 x 46-5/8"

### Hardware

- 4 x H5 1/4 x 4-1/2" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)
- 4 x S7 #12 x 2" Pan Screw (3/16" flat washer)
- 4 x LS3 1/4 x 3" Lag Screw (1/4" flat washer)

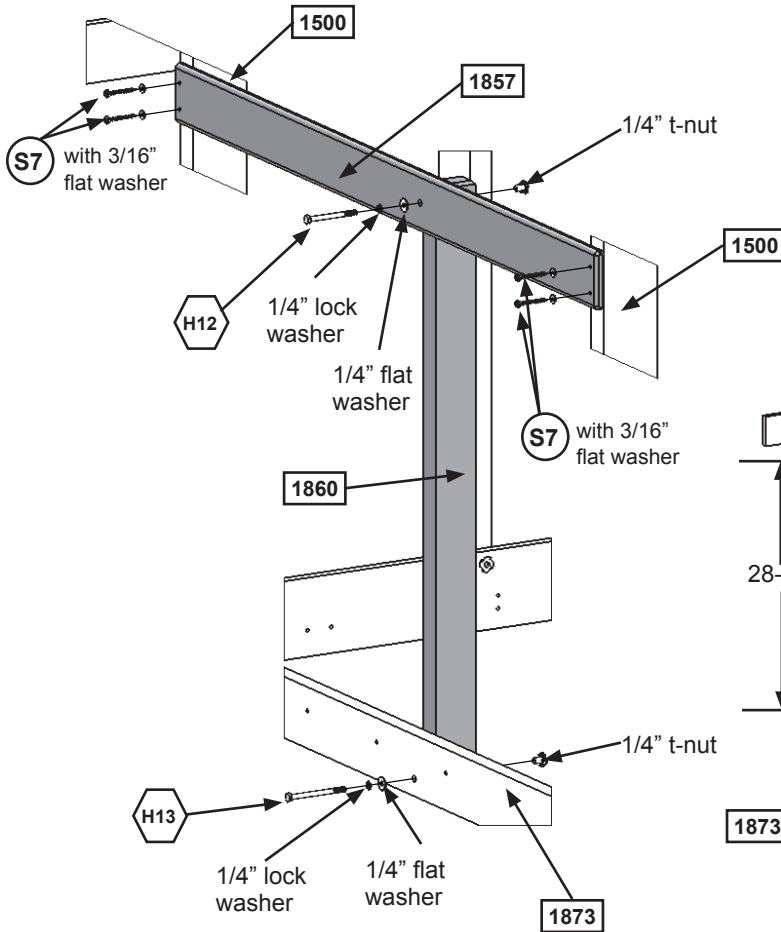
# Step 13: Back Frame Assembly



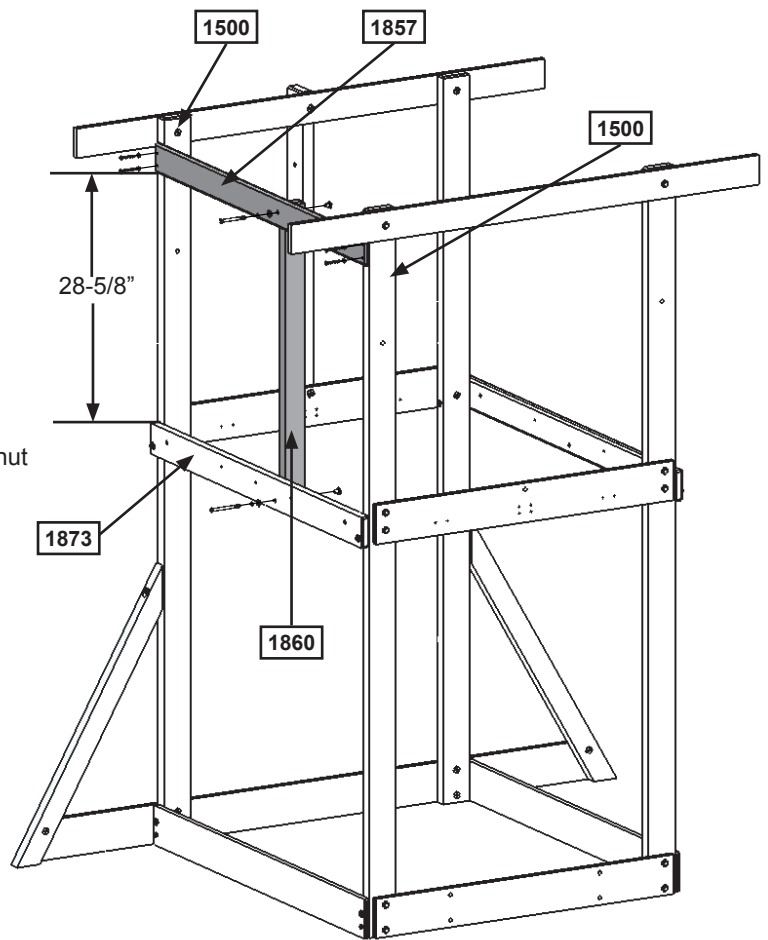
**A:** Attach (1860) MK Mount to (1873) Back Floor with 1 (H13) 1/4 x 3-1/2" Hex Bolt (with lock washer, flat washer and t-nut) and to (1857) Top Back with 1 (H12) 1/4 x 3" Hex Bolt (with lock washer, flat washer and t-nut). (fig. 13.1 and 13.2)

**B:** Make sure (1857) Top Back is level and the distance between the bottom of (1857) Top Back and the top of (1873) Back Floor is 28-5/8", then attach to both (1500) Posts using 4 (S7) #12 x 2" Pan Screws (with 3/16" flat washers). (fig. 13.2)

**Fig. 13.2**



**Fig. 13.1**



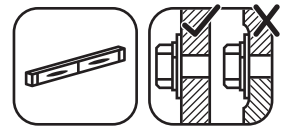
**Wood Parts**

- 1 x 1857 Top Back 1 x 4 x 46-1/2"
- 1 x 1860 MK Mount 2 x 3 x 34-13/16"

**Hardware**

- 4 x S7 #12 x 2 Pan Screw (3/16" flat washer)
- 1 x H12 1/4 x 3" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)
- 1 x H13 1/4 x 3-1/2" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)

# Step 14: Front Frame Assembly



**A:** Attach (1855) Divider to (0799) Floor Back with 1 (H1) 1/4 x 1-1/2" Hex Bolt (with lock washer, flat washer and t-nut) and to (1505) Front Top with 1 (PB2) 1/4 x 1-1/4" Pan Bolt (with lock washer, flat washer and t-nut). (fig. 14.1 and 14.2)

**B:** Make sure (1505) Front Top is level and then attach to both (1500) Posts using 4 (S7) #12 x 2" Pan Screws (with 3/16" flat washers). (fig. 14.2)

Fig. 14.1

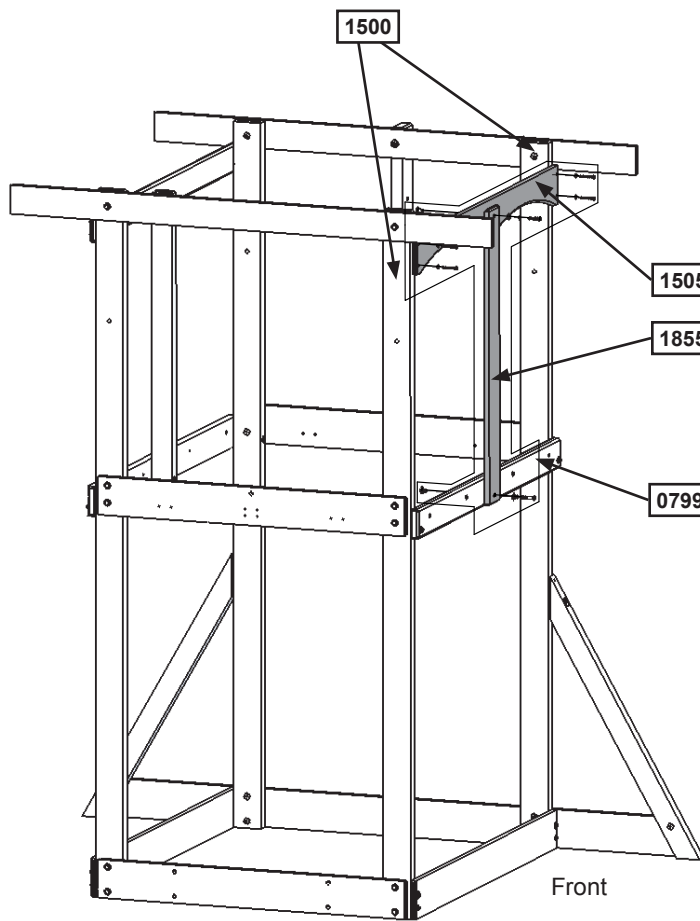
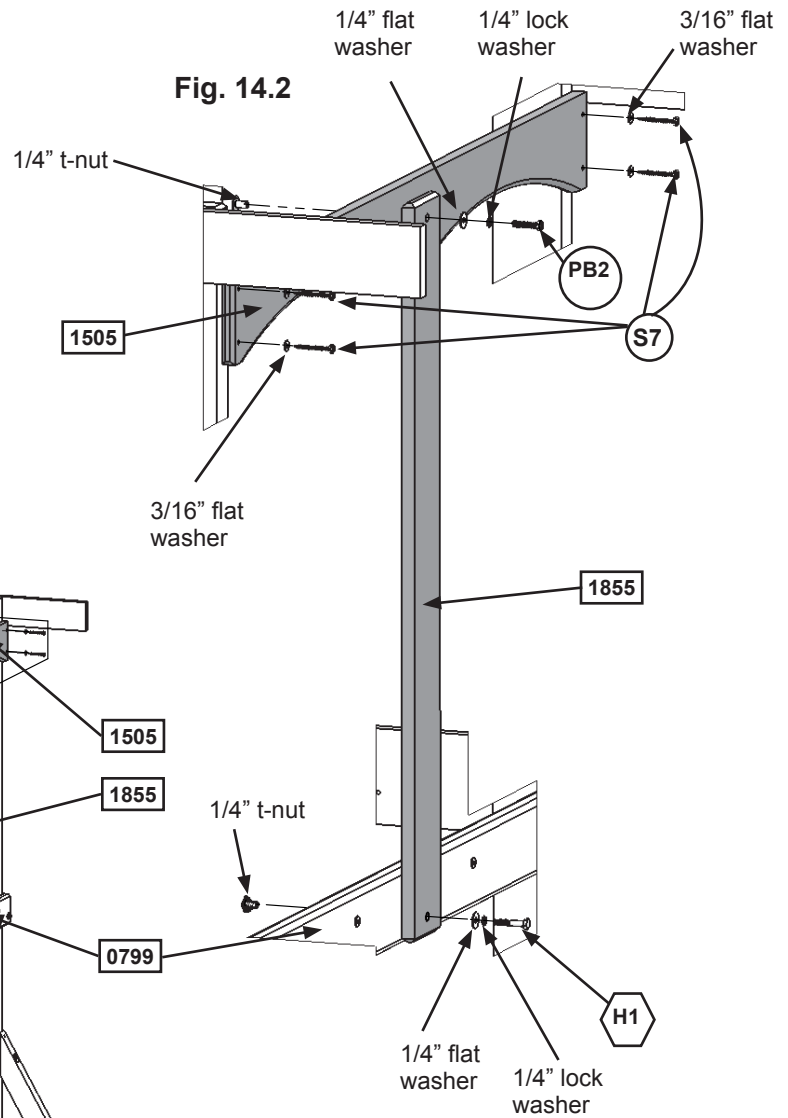


Fig. 14.2



## Wood Parts

- 1 x 1505 Front Top 1 x 5 x 46-1/2"
- 1 x 1855 Divider 1 x 4 x 34-11/16"

## Hardware

- 4 x S7 #12 x 2" Pan Screw (3/16" flat washer)
- 1 x PB2 1/4 x 1-1/4" Pan Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)
- 1 x H1 1/4 x 1-1/2" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)

# Step 15: Attach Floor Joist



**A:** Loosen the top bolt and remove the bottom bolt in (1861) SW Mount. Do not discard these bolts, you will re-install them after the (0790) Floor Joist is attached. (fig. 15.1)

**B:** From inside of the assembly, measure 2" down from the top of each (1501) Floor End (fig. 15.2) and then attach (0790) Floor Joist to each board in the top pilot holes with 2 (S4) #8 x 3" Wood Screws per end. (fig.15.1)

**C:** Re-install the bolts in (1861) SW Mount and tighten both bolts. (fig. 15.1)

Fig. 15.1

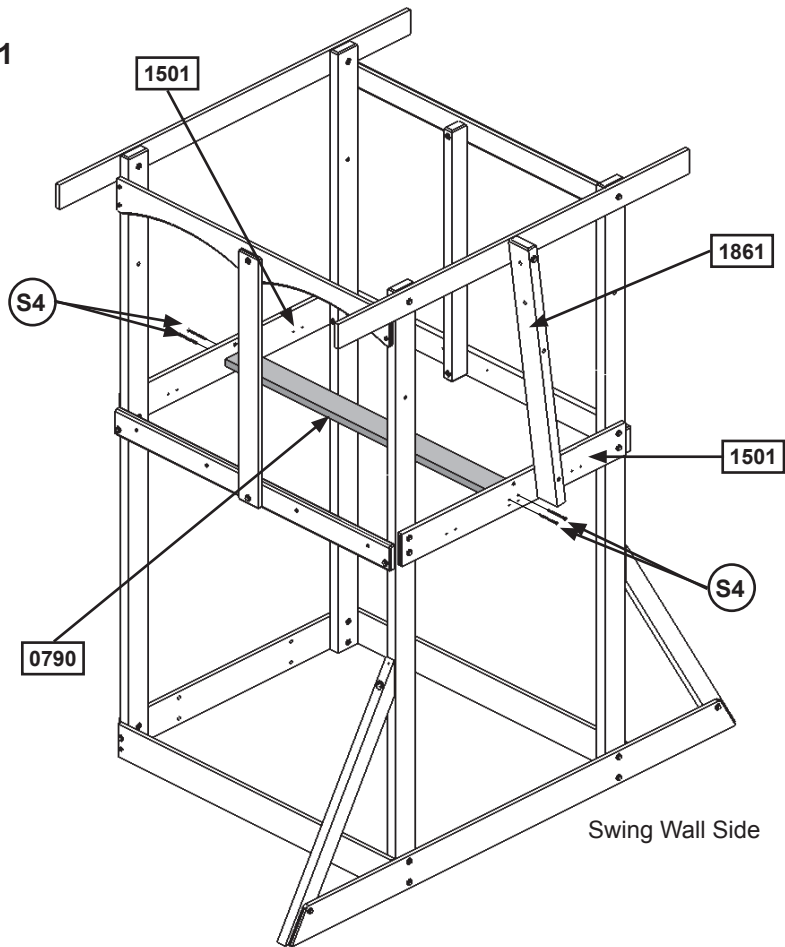
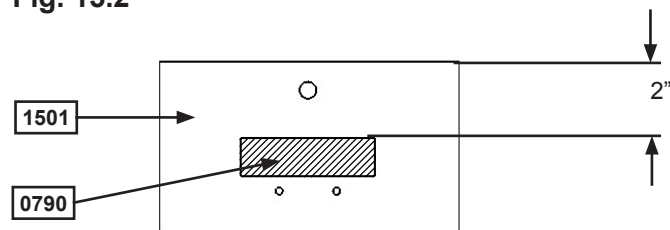


Fig. 15.2



### Wood Parts

1 x 0790 Floor Joist 5/4 x 4 x 46-1/2"

### Hardware

4 x S4 #8 x 3" Wood Screw



# Step 16: Attach Side Joists Part 2



**B:** On the back of the assembly attach one (1875) Short Joist and one (1871) Long Joist on each side of (1860) MK Mount, to the inside of (1873) Back Floor with 1 (H3) 1/4 x 2-1/2" Hex Bolt (with lock washer, flat washer and t-nut), per board, in the outside holes. Make sure both boards are level then attach (1875) Short Joist with 1 (S7) #12 x 2" Pan Screw and (1871) Long Joist with 2 (S7) #12 x 2" Pan Screws, as shown in fig. 16.3 and 16.4.

Fig. 16.4

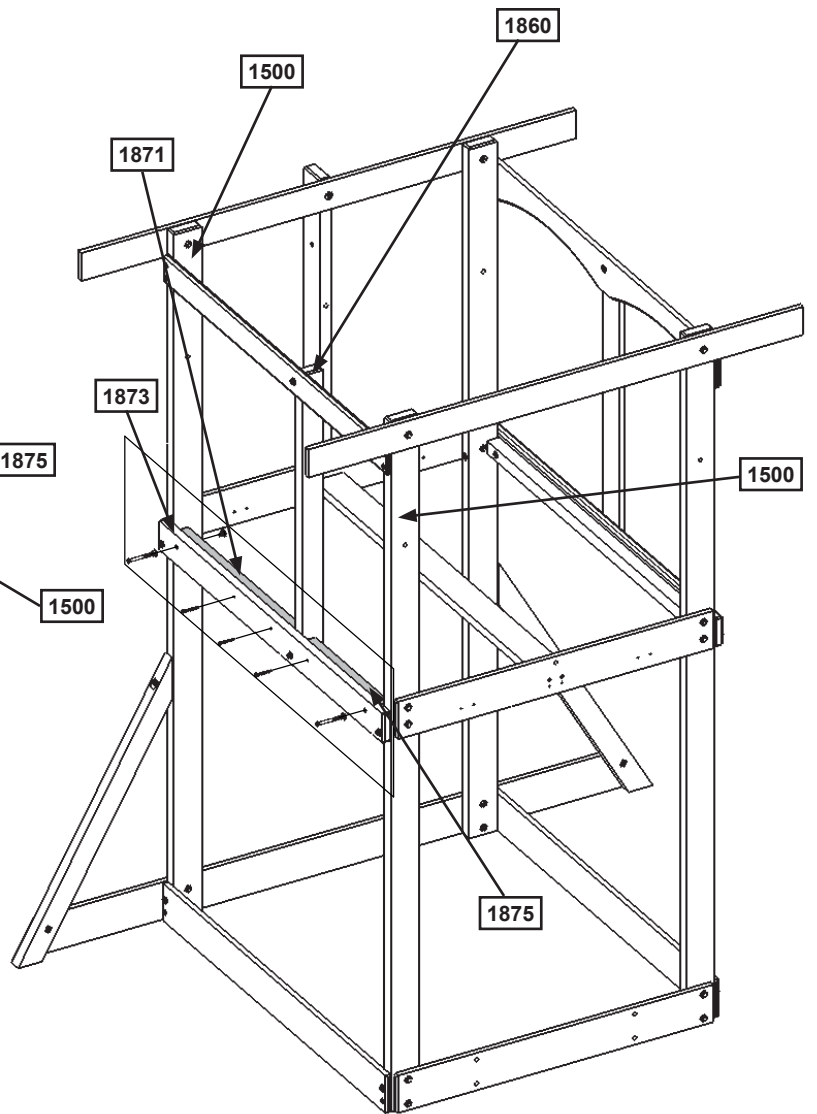
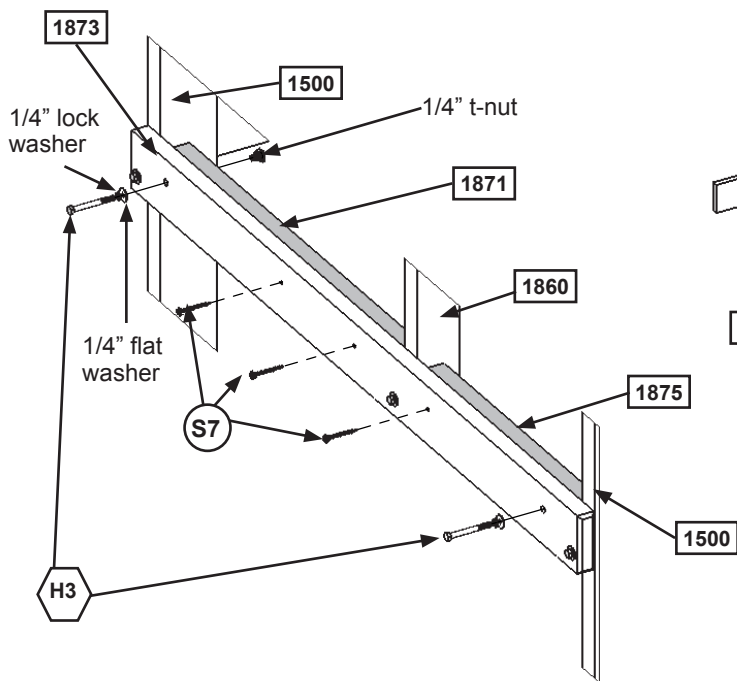


Fig. 16.3

### Wood Parts

- 1 x 1871 Long Joist 2 x 2 x 24-3/4"
- 1 x 1875 Short Joist 2 x 2 x 16-1/2"

### Hardware

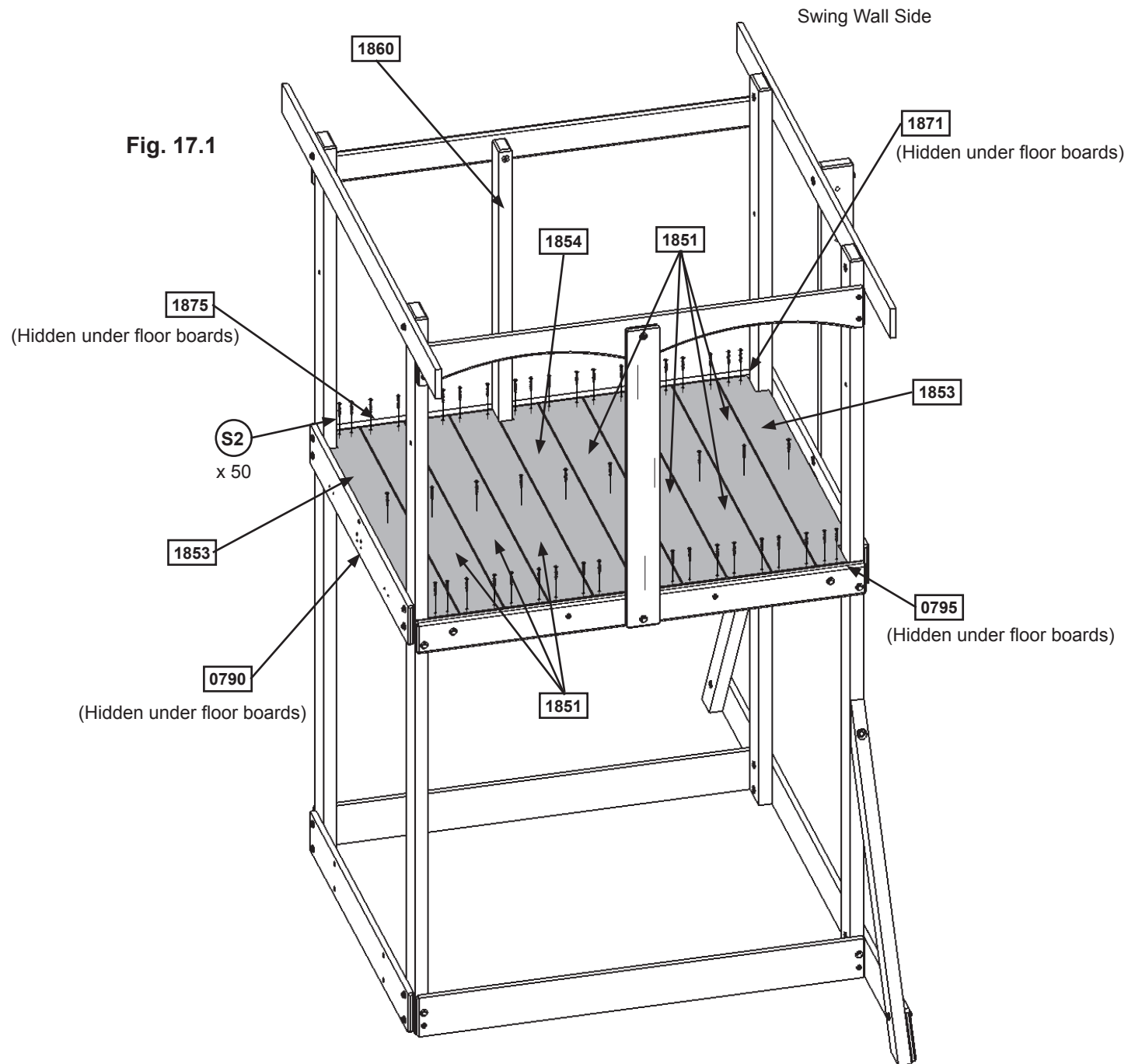
- 2 x H3 1/4 x 2-1/2" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)
- 3 x S7 #12 x 2" Pan Screw

# Step 17: Attach Gap and Floor Boards



**A:** Place 1 (1853) Cedar Gap Board at each end of the assembly. Then starting on the Swing Wall side place 4 (1851) Cedar Floor Boards, 1 (1854) Centre Gap Board so the gap in the board fits around the (1860) MK Mount, and 3 more (1851) Cedar Floor Boards. Make sure all boards are evenly spaced. (fig. 17.1)

**B:** Attach all boards to (0795) Side Joist, (0790) Floor Joist, (1875) Short Joist and (1871) Long Joist with 5 (S2) #8 x 1-1/2" Wood Screws per board. (fig. 17.1)



### Wood Parts

- 2 x 1853 Cedar Gap Board 1 x 5 x 38-3/4"
- 1 x 1854 Centre Gap Board 1 x 5 x 38-3/4"
- 7 x 1851 Cedar Floor Board 1 x 5 x 38-3/4"

### Hardware

- 50 x S2 #8 x 1-1/2" Wood Screw

# Step 18: Attach Ground Stakes



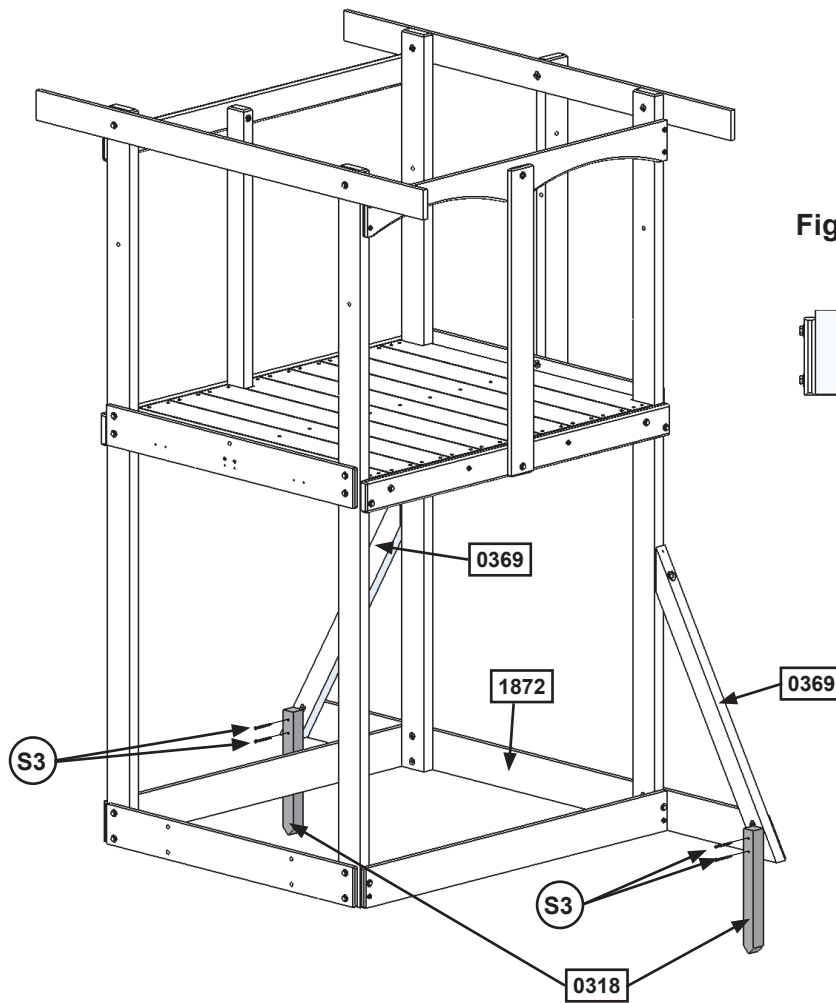
**MOVE FORT TO FINAL LOCATION. FINAL LOCATION MUST BE LEVEL GROUND**



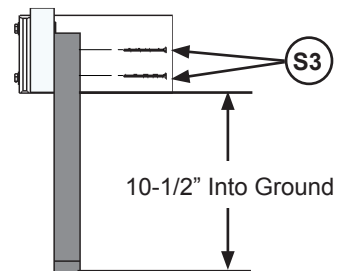
**Warning!** To prevent tipping and avoid potential injury, stakes must be driven 10-1/2" into ground. Digging or driving stakes can be dangerous if you do not check first for underground wiring, cables or gas lines.

**A:** Drive 2 (0318) Ground Stakes 10-1/2" into the ground at both ends of (1872) Ground into each (0369) Lower Diagonal as shown in fig. 18.1. Attach using 2 (S3) #8 x 2-1/2" Wood Screws per ground stake.

**Fig. 18.1**



**Fig. 18.2**



### Wood Parts

2 x 0318 Ground Stake 1-1/4 x 1-1/2 x 14"

### Hardware

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



# Step 19: Swing Side Wall Assembly



**A:** In between both (1500) Posts on Swing Wall side attach 4 (1846) CE Wall to (1501) Floor End and (1865) SW Roof Side using 4 (S1) #8 x 1-1/8" Wood Screws per board. Make sure the bottom of the boards are tight against (1853) Cedar Gap Board. The distance between (1861) SW Mount and (1846) CE Wall should not exceed 2-13/16" and the distance between (1846) CE Walls should not exceed 2-15/16". (fig. 19.1 and 19.2)

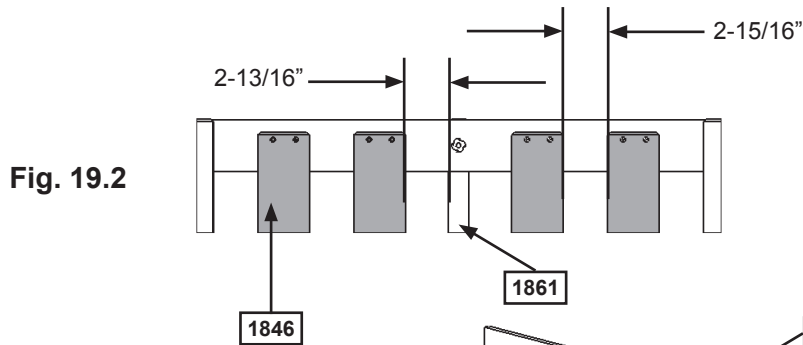


Fig. 19.2

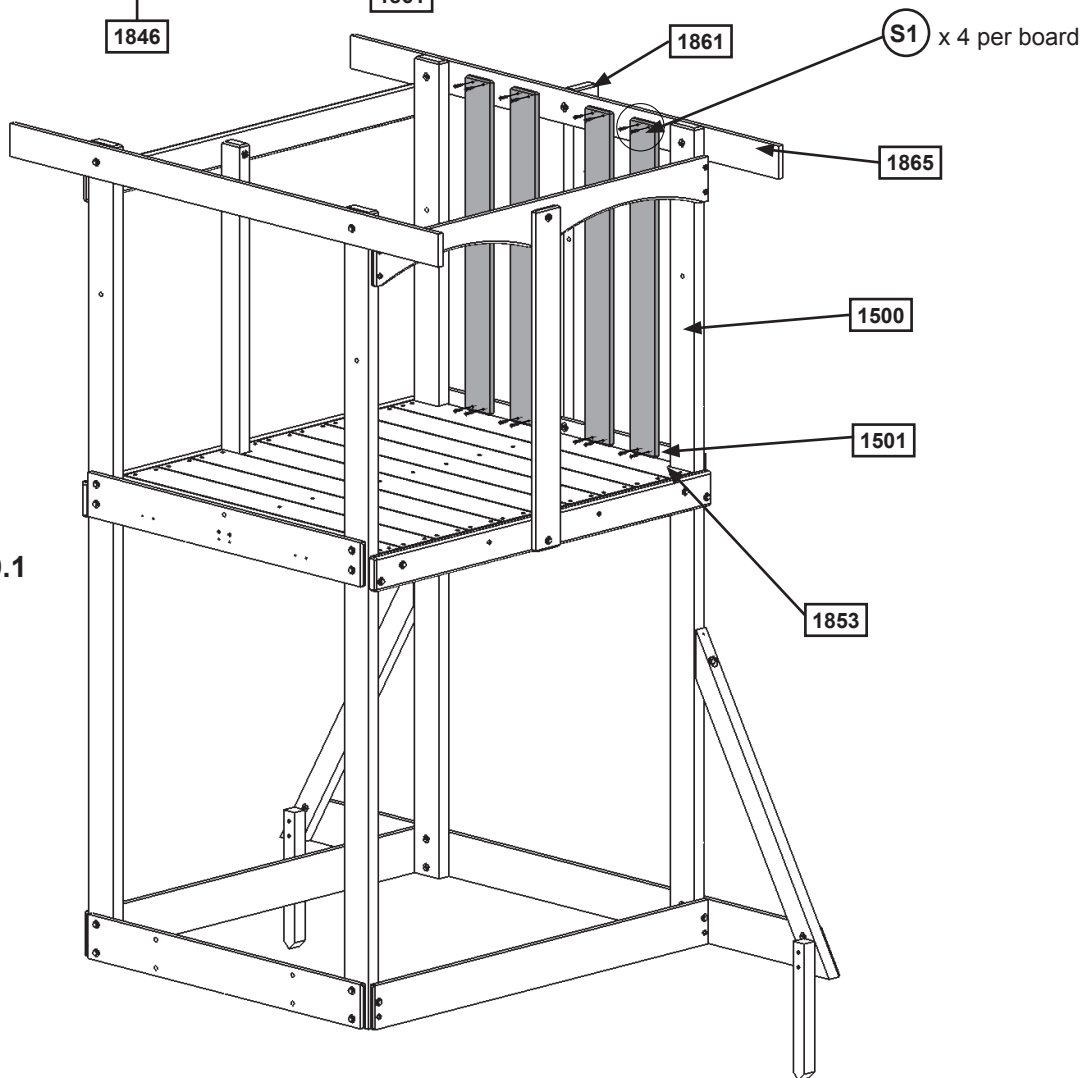


Fig. 19.1

### Wood Parts

4 x **1846** CE Wall 1 x 4 x 34"

### Hardware

16 x **S1** #8 x 1-1/8" Wood Screw

# Step 20: Attach Cafe Canopy to Fort



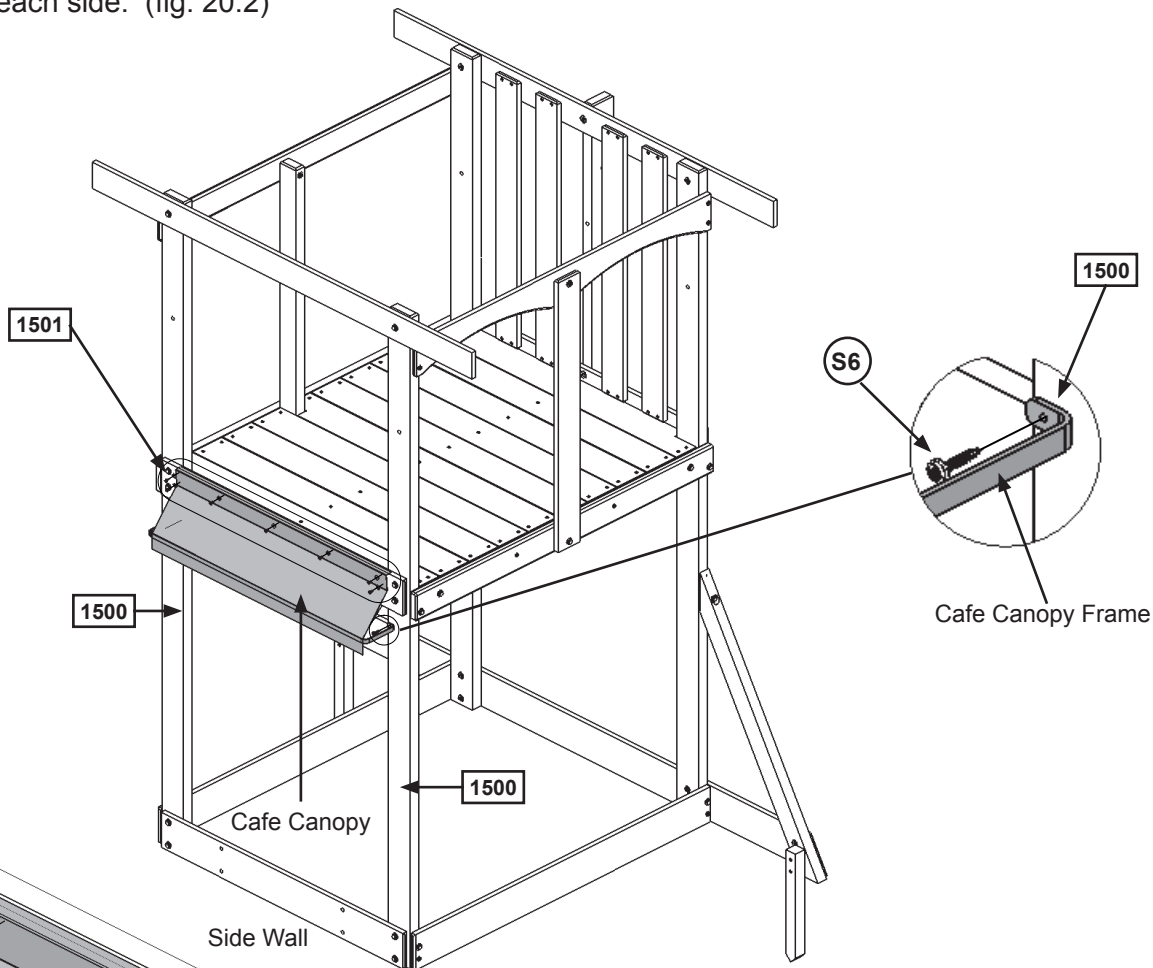
**A:** Feed Cafe Canopy Frame through the pocket of the Cafe Canopy. (fig. 20.1)

**B:** With a helper, hold the Cafe Canopy Frame against the (1500) Posts on the Cafe Wall. The top of the canopy should rest on top of (1501) Floor End. (fig. 20.1)

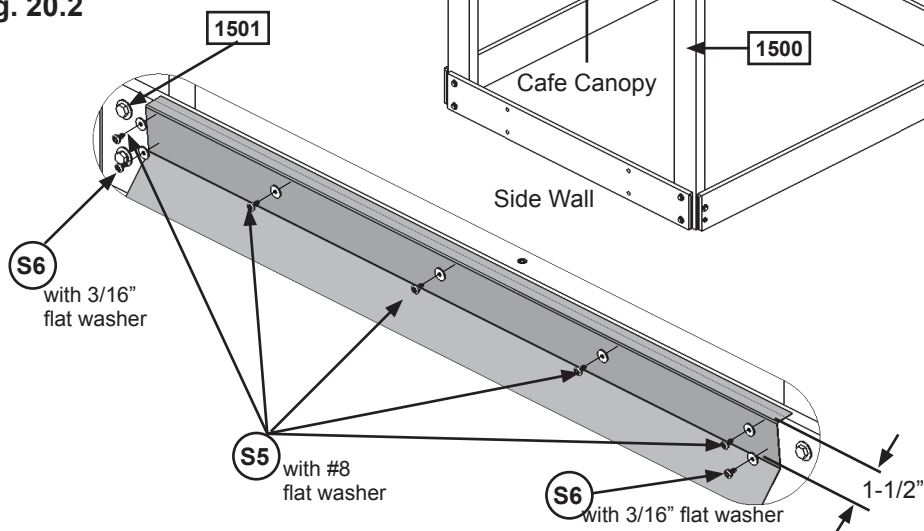
**C:** Attach Cafe Canopy Frame to (1500) Posts with 1 (S6) #12 x 1" Pan Screw per side. (fig. 20.1)

**D:** Make sure the Cafe Canopy is smooth and tight then attach to the front face of (1501) Floor End with 5 evenly spaced (S5) #8 x 1/2" Pan Screws (with #8 flat washer). On each side of the Cafe Canopy, measure 1-1/2" down from the top of (1501) Floor End and 1/2" in from each edge of the canopy then install 1 (S6) #12 x 1" Pan Screw (with 3/16" flat washer) to each side. (fig. 20.2)

**Fig. 20.1**



**Fig. 20.2**



### Hardware

- 2 x (S6) #12 x 1" Pan Screw
- 5 x (S5) #8 x 1/2" Pan Screw (#8 flat washer)
- 2 x (S6) #12 x 1" Pan Screw (3/16" flat washer)

### Other Parts

- 1 x Cafe Canopy
- 1 x Cafe Canopy Frame

# Step 21: Cafe Window Assembly Part 1

**A:** Place 1 (1859) Wall Trim tight to the top of (1501) Floor End and flush to the outside edge of (1500) Post on the Cafe Wall side of the assembly. Attach to (1500) Post with 2 (S2) #8 x 1-1/2" Wood Screws. (fig. 21.1 and 21.2)

**B:** Tight to top of (1501) Floor End and tight to (1859) Wall Trim attach (1852) CE Siding to both (1500) Posts with 2 (S0) #8 x 7/8" Truss Screws as shown in fig. 21.2. Make sure Cafe Canopy is pinched between (1852) CE Siding and (1501) Floor End.

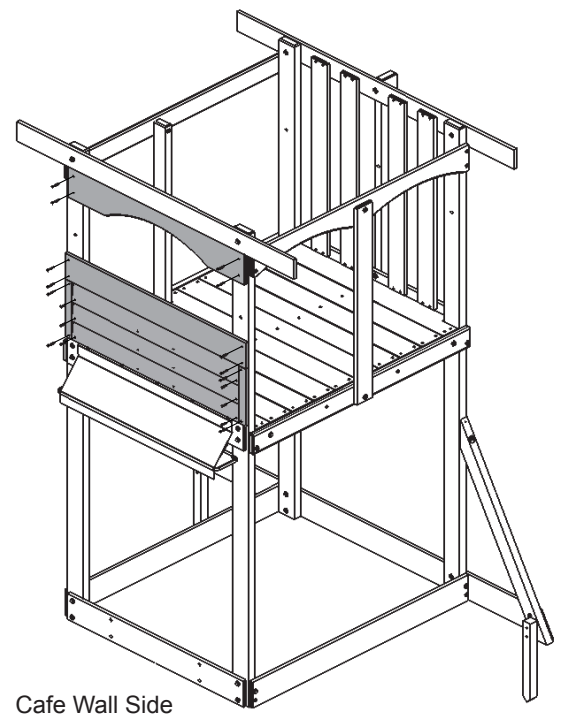
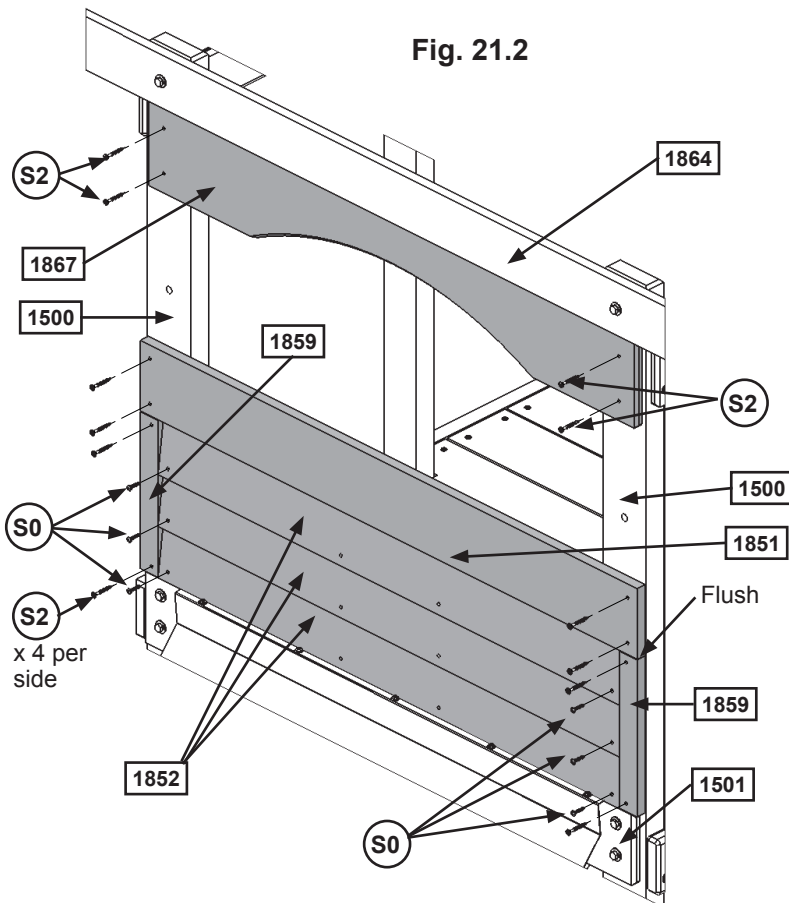
**C:** Tight to (1852) CE Siding and top of (1501) Floor End attach a second (1859) Wall Trim to (1500) Post with 2 (S2) #8 x 1-1/2" Wood Screws. (fig 21.2)

**D:** Install 2 more (1852) CE Siding directly above the first, attaching to both (1500) Posts with 2 (S0) #8 x 7/8" Truss Screws per board. The top of the last (1852) CE Siding should be flush to the top of each (1859) Wall Trim. (fig. 21.2)

**E:** Tight to the top of both (1859) Wall Trims and flush to the edges of both (1500) Posts, attach (1851) Cedar Floor Board with 4 (S2) #8 x 1-1/2" Wood Screws. (fig. 21.2)

**F:** Tight to the bottom of (1864) SL Roof Side and flush to the edges of both (1500) Posts, attach (1867) Top Side with 4 (S2) #8 x 1-1/2" Wood Screws. (fig. 21.2)

**Fig. 21.1**



### Wood Parts

- 1 x (1867) Top Side 1 x 6 x 38-1/4"
- 1 x (1851) Cedar Floor Board 1 x 5 x 38-3/4"
- 2 x (1859) Wall Trim 1 x 2 x 10"
- 3 x (1852) CE Siding 3/8 x 3-1/2 x 36"

### Hardware

- 12 x (S2) #8 x 1-1/2" Wood Screw
- 6 x (S0) #8 x 7/8" Truss Screw

# Step 21: Cafe Window Assembly Part 2



**G:** On the inside of the assembly, tight to both (1500) Posts and flush to the bottom of (1864) SL Roof Side, attach 2 (0606) CE Access Boards to (1867) Top Side and (1851) Cedar Floor Board with 4 (S1) #8 x 1-1/8" Wood Screws per board. (fig. 21.3 and 21.4)

**H:** Place 2 (1866) Window Uprights 6" in from each CE Access Board (0606) and over the pilot holes in (1852) CE Siding and tight to the top of (1853) CE Gap Board, attach to (1501) Floor End, (1851) Cedar Floor Board and (1867) Top Side with 3 (S1) #8 x 1-1/8" Wood Screws per board. (fig. 21.4)

**I:** Measure 5-1/2" up from the top of (1851) Cedar Floor Board, on the inside of the assembly attach (1876) Window Cross to both (0606) CE Access Boards with 2 (S1) #8 x 1-1/8" Wood Screws. (fig. 21.4)

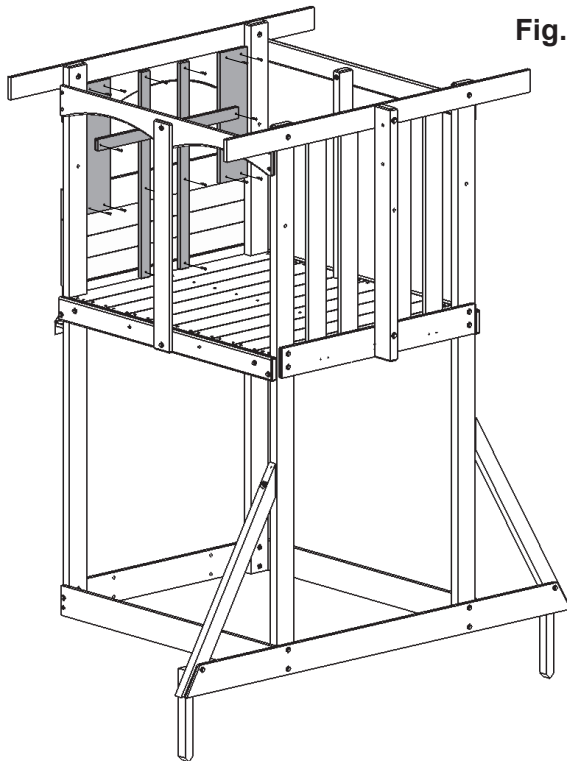


Fig. 21.3

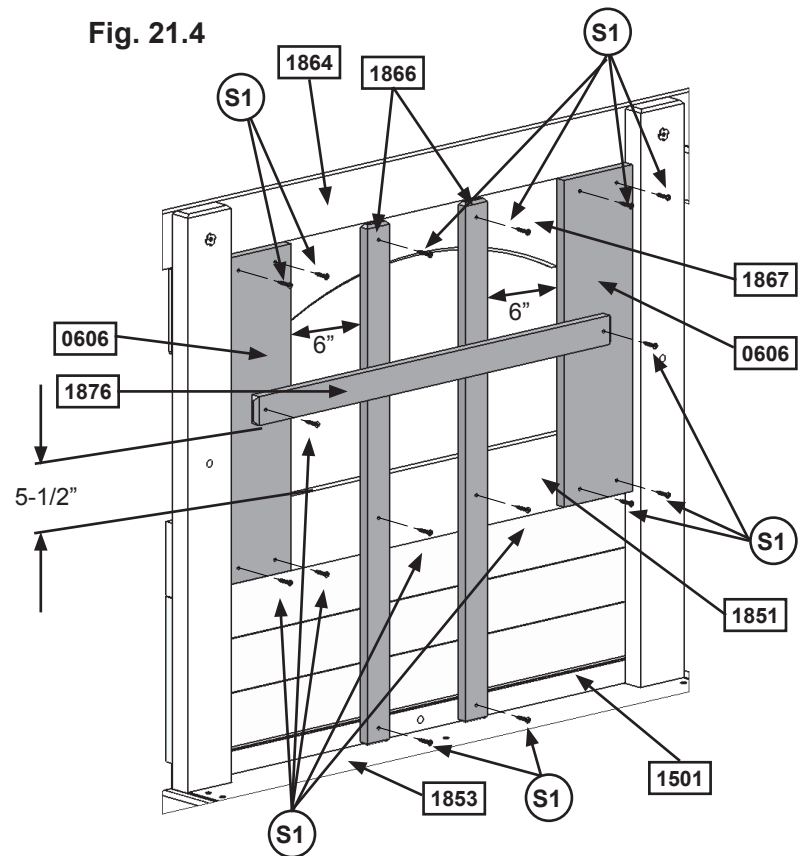


Fig. 21.4

### Wood Parts

- 2 x 0606 CE Access Board 1 x 6 x 19-3/4"
- 2 x 1866 Window Upright 1 x 2-1/2 x 31-1/2"
- 1 x 1876 Window Cross 1 x 2-1/2 x 28"

### Hardware

- 16 x S1 #8 x 1-1/8" Wood Screw

# Step 21: Cafe Window Assembly Part 3

J: From the outside of the assembly attach (1852) CE Siding to each (1866) Window Upright with 2 (S0) #8 x 7/8" Truss Screws per siding. (fig. 21.5 and 21.6)

Fig. 21.5

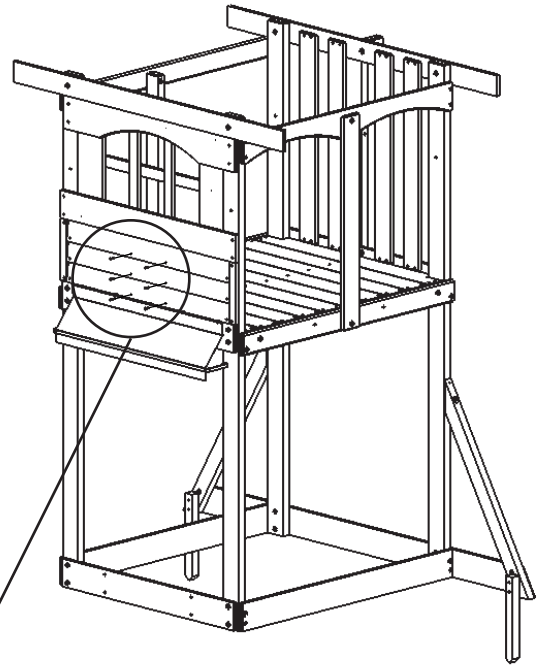
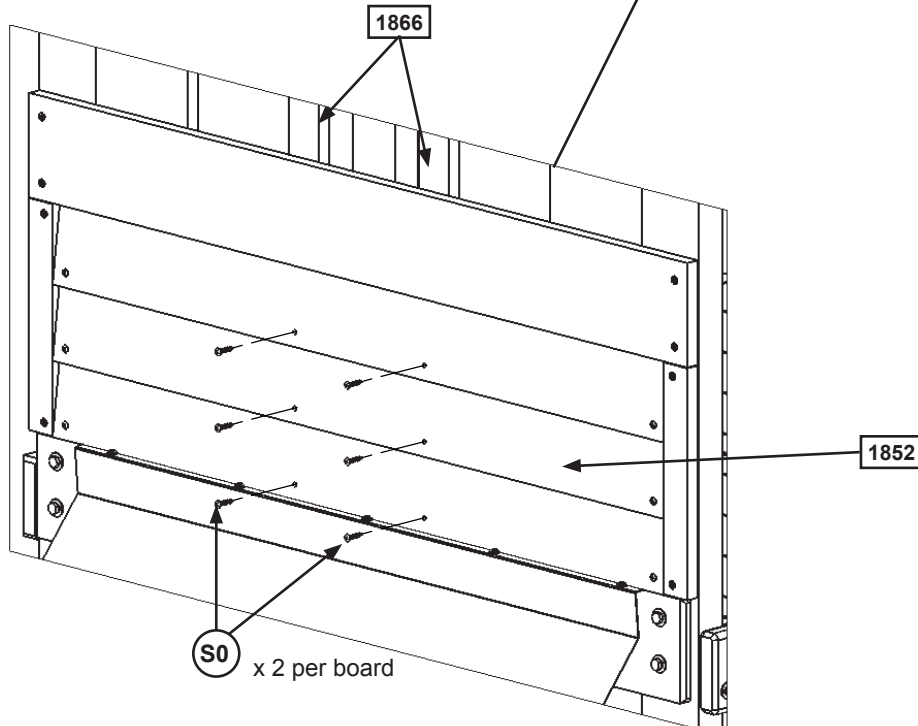


Fig. 21.6



### Hardware

6 x (S0) #8 x 7/8 Truss Screw



## Step 23: Attach Chalkwall Tarp to Fort

**A:** On the outside of the assembly, making sure the tarp is tight and smooth, attach Chalkwall Tarp to (1857) Top Back, (5265) Cedar Wall and both (0528) Side Chalkwalls using 12 (S5) #8 x 1/2" Pan Screws (with #8 flat washer) as shown in fig. 23.1 and 23.2.

Fig. 23.1

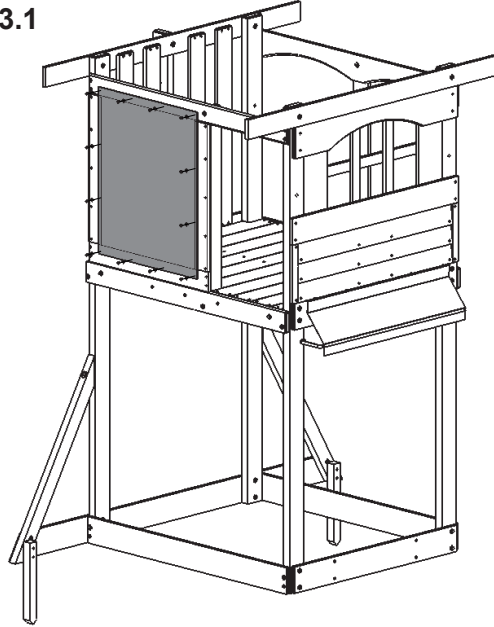
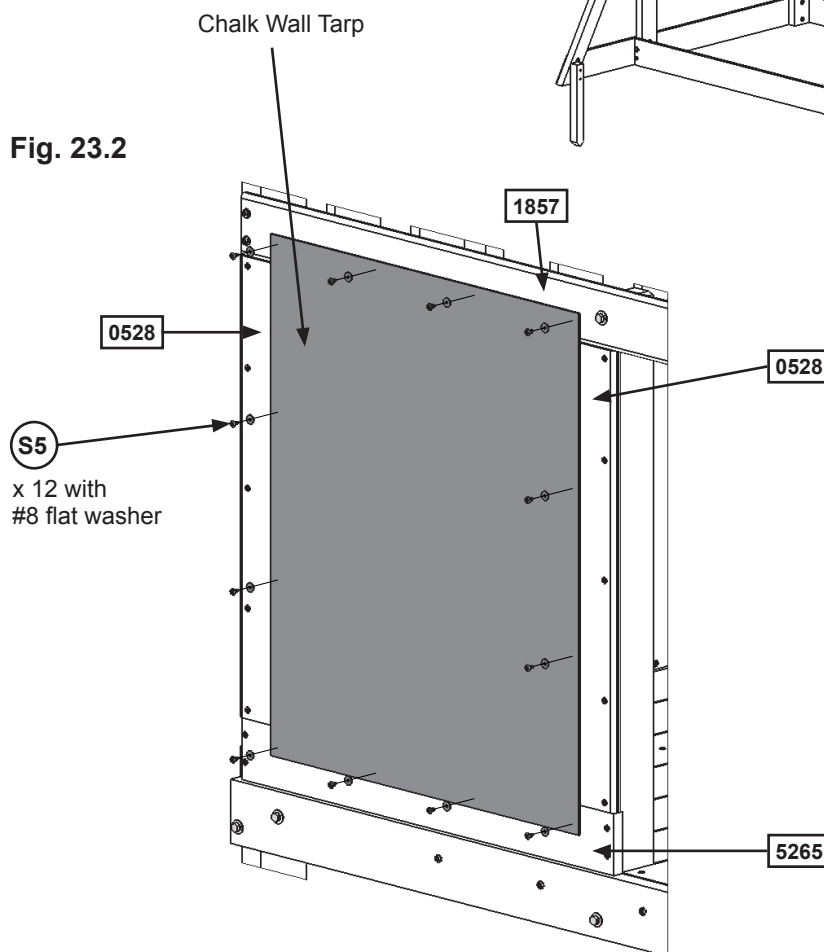


Fig. 23.2



### Hardware

12 x  #8 x 1/2" Pan Screw (#8 flat washer)

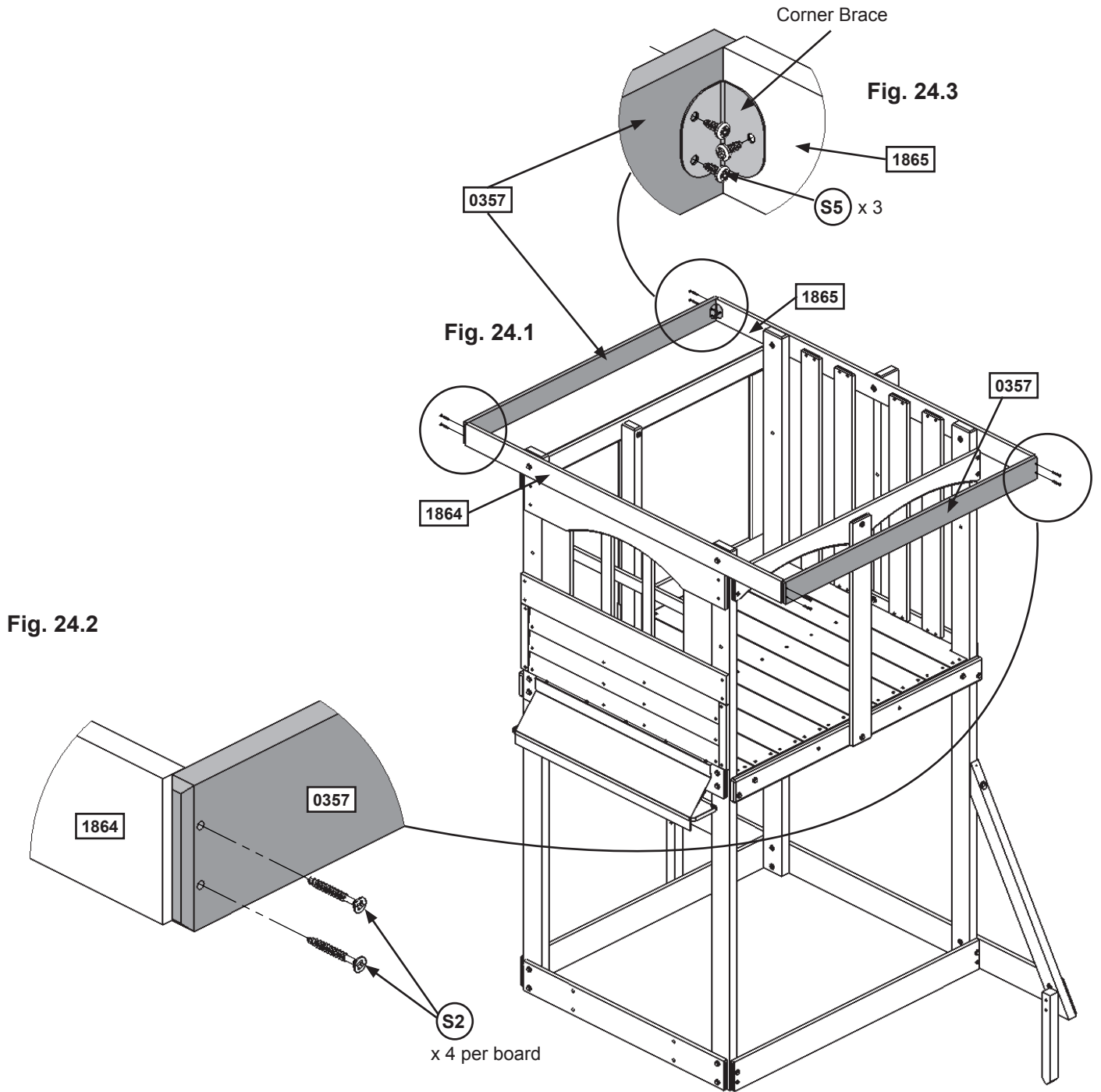
### Other Parts

1 x Chalk Wall Tarp

# Step 24: Roof Frame Assembly

**A:** Attach 1 (0357) Tarp Front Back to each end of (1864) SL Roof Side and (1865) SW Roof Side, making sure the pilot holes are centred on the end of each Roof Side, with 4 (S2) #8 x 1-1/2" Wood Screws per (0357) Tarp Front Back. (fig. 24.1 and 24.2)

**B:** At all 4 corners centre and attach 1 Corner Brace using 3 (S5) #8 x 1/2" Pan Screw per brace as shown in fig. 24.1 and 24.3.



## Wood Parts

2 x 0357 Tarp Front Back 1 x 4 x 47-3/4"

## Hardware

12 x S5 #8 x 1/2" Pan Screw  
8 x S2 #8 x 1-1/2" Wood Screw

## Other Parts

4 x Corner Brace





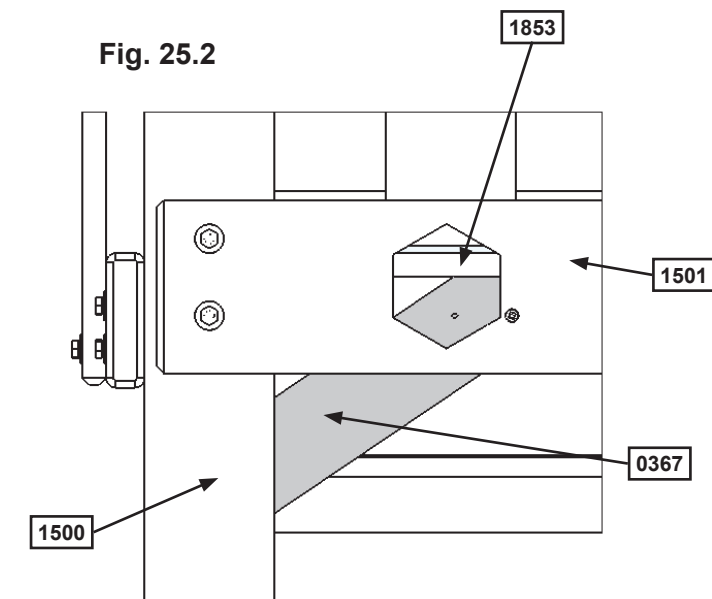
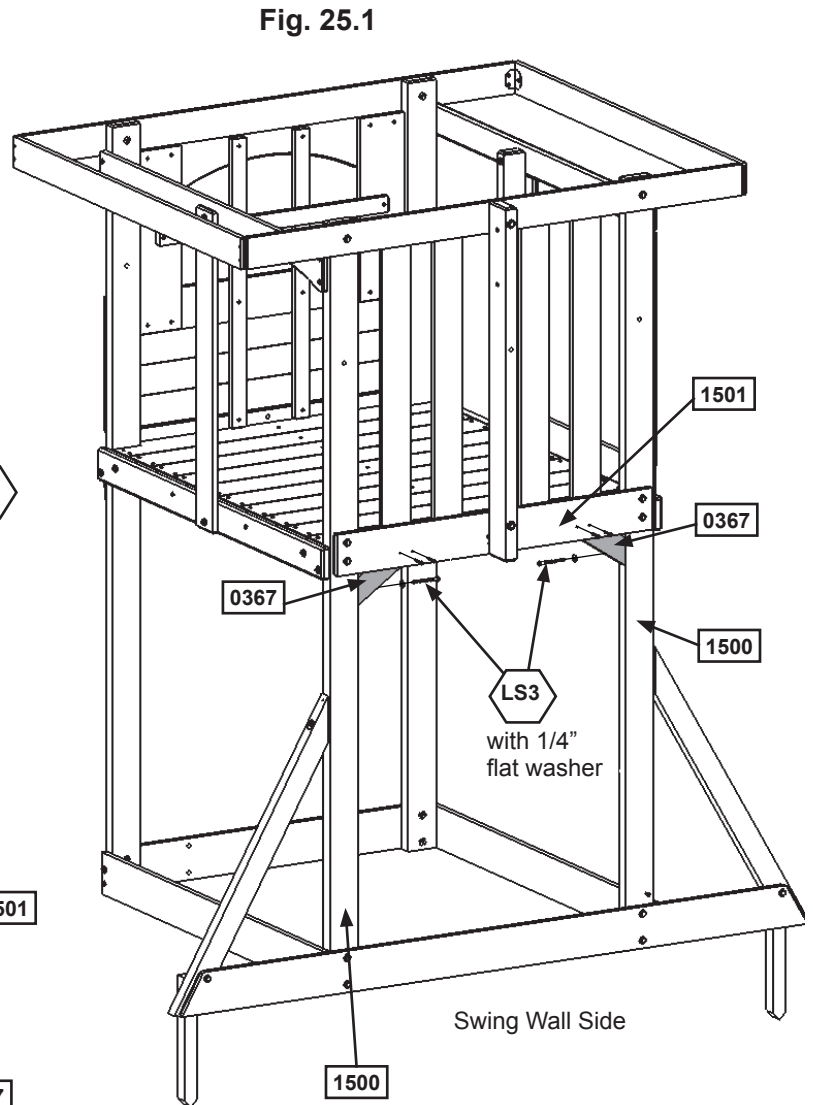
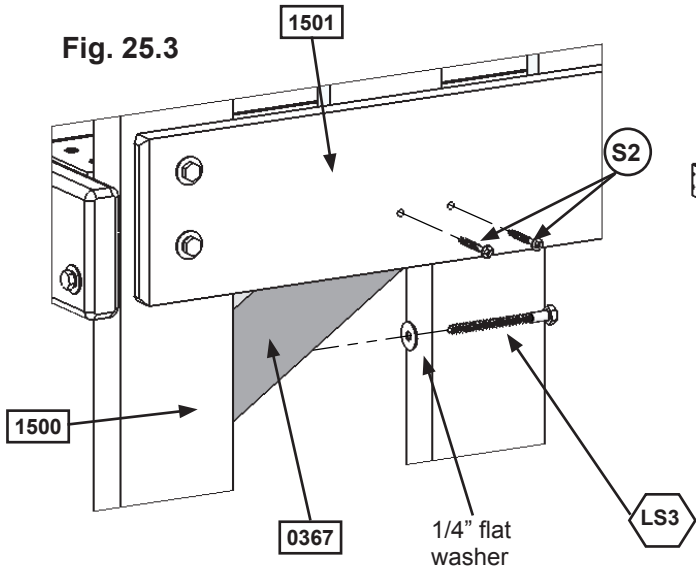
# Step 25: Attach Floor Gussets

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

**A:** On the Swing Wall side place 1 (0367) Floor Gusset tight to the inside face of each (1500) Post, to the bottom of (1853) Cedar Gap Board and inside face of (1501) Floor End. (fig. 25.1 and 25.2)

**B:** Attach (0367) Floor Gussets to (1500) Posts with 1 (LS3) 1/4 x 3" Lag Screw (with flat washer) per gusset in the pre-drilled holes as shown in fig. 25.3.

**C:** Attach each (0367) Floor Gusset to (1501) Floor End using 2 (S2) #8 x 1-1/2" Wood Screws per gusset. (fig. 25.3)



### Wood Parts

2 x 0367 Floor Gusset 2 x 3 x 11"

### Hardware

2 x LS3 1/4 x 3" Lag Screw (1/4" flat washer)

4 x S2 #8 x 1-1/2" Wood Screw

# Step 26: Lower Swing Wall Assembly Part 1

**A:** Place 1 (1808) Short Trim tight to the top of (1872) Ground flush to the outside edge of (1500) Post on the Swing Wall side of the assembly. Attach to (1500) Post with 3 (S2) #8 x 1-1/2" Wood Screws. (fig. 26.1 and 26.2)

**B:** Tight to top of (1872) Ground and tight to (1808) Short Trim attach (1852) CE Siding to both (1500) Posts with 2 (S0) #8 x 7/8" Truss Screws as shown in fig. 26.2.

**C:** Tight to (1852) CE Siding and top of (1872) Ground attach 1 (1870) Trim Short to (1500) Post with 3 (S2) #8 x 1-1/2" Wood Screws. This will overhang the (1500) Post. (fig 26.2)

**D:** Install 5 more (1852) CE Siding directly above the first, attaching to both (1500) Posts with 2 (S0) #8 x 7/8" Truss Screws per board. (fig. 26.2)

**E:** Tight to the top of both (1808) Short Trim and (1870) Trim Short and flush to the edges of both (1500) Posts, attach (0839) CE Gap Board with 4 (S2) #8 x 1-1/2" Wood Screws. (fig. 26.2)

Fig. 26.1

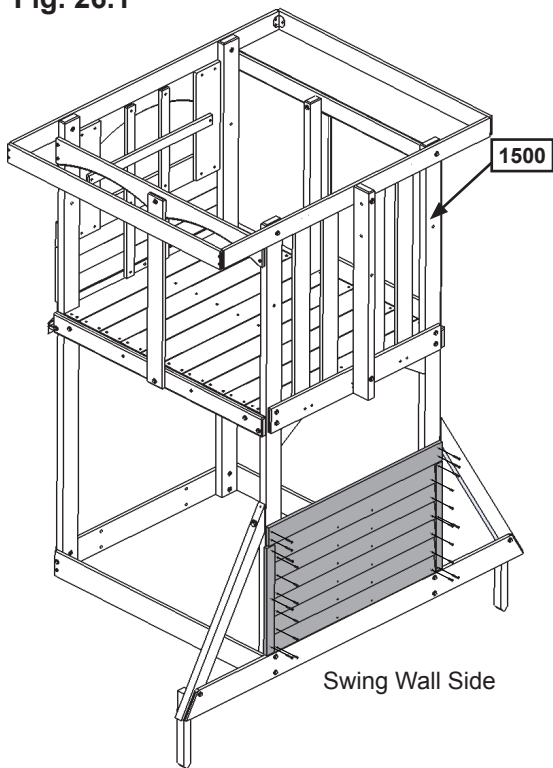
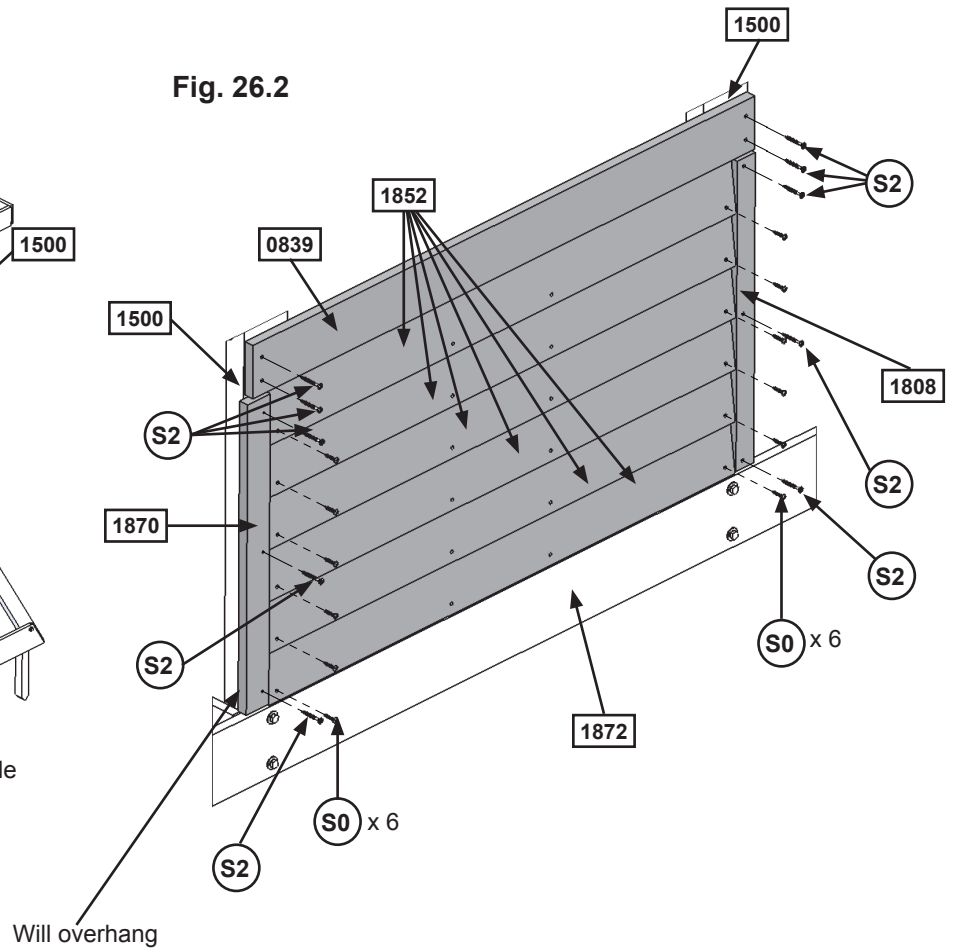


Fig. 26.2



### Wood Parts

- 1 x 0839 CE Gap Board 1 x 4 x 38-3/4"
- 6 x 1852 CE Siding 3/8 x 3-1/2 x 36"
- 1 x 1870 Trim Short 1 x 2-1/2 x 19-5/8"
- 1 x 1808 Short Trim 1 x 2 x 19-5/8"

### Hardware

- 12 x S0 #8 x 7/8" Truss Screw
- 10 x S2 #8 x 1-1/2" Wood Screw

# Step 26: Lower Swing Wall Assembly Part 2

**F:** From inside the assembly, centred over the pilot holes in (1852) CE Siding, attach 2 (1858) Short Wall Supports to (0839) CE Gap Board and (1872) Ground with 4 (S1) #8 x 1-1/8" Wood Screws per board. (fig. 26.3 and 26.4)

**G:** From the outside of the assembly attach (1852) CE Siding to each (1858) Short Wall Support with 2 (S0) #8 x 7/8" Truss Screws per siding. (fig. 26.5 and 26.6)

Fig. 26.4

Fig. 26.3

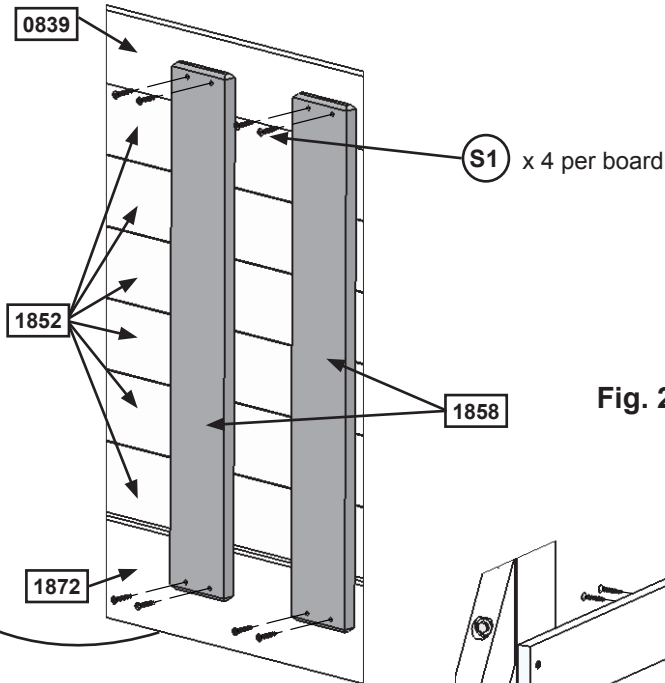
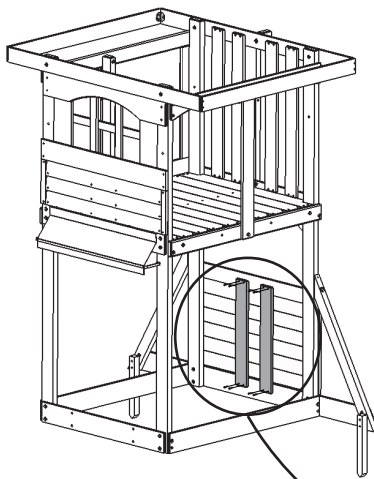


Fig. 26.6

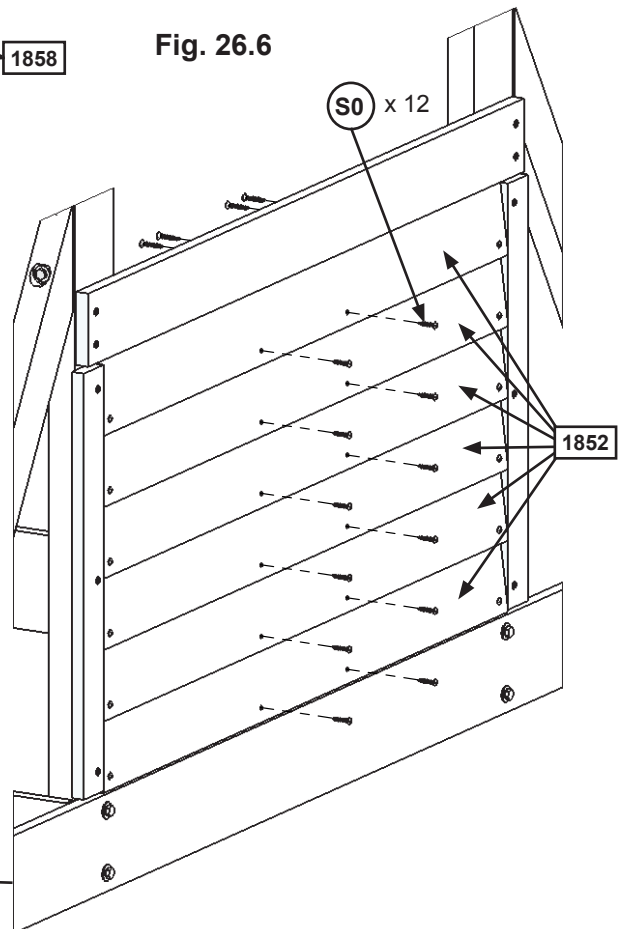
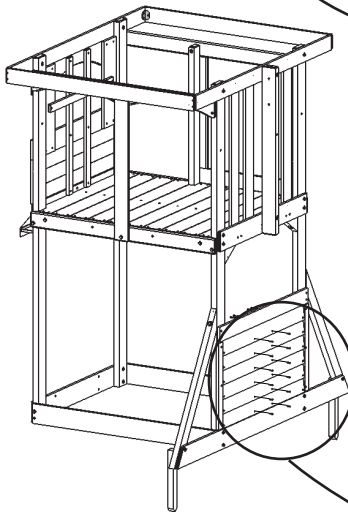


Fig. 26.5



### Wood Parts

2 x 1858 Short Wall Support 1 x 4 x 24-1/4"

### Hardware

12 x S0 #8 x 7/8" Truss Screw

8 x S1 #8 x 1-1/8" Wood Screw

# Step 27: Door Wall Assembly Part 1



**A:** Tight to the bottom of (1873) Back Floor attach (1869) Door Top flush to the edges of both (1500) Posts with 4 (S2) #8 x 1-1/2" Wood Screws. (fig. 27.1 and 27.2)

**B:** Flush to the edge of the arch in the (1869) Door Top and flush to the bottom of (0351) Front Back attach (1814) Wall Support to (1873) Back Floor and (0351) Front Back with 4 (S1) #8 x 1-1/8" Wood Screws. Make sure (1814) Wall Support is square to (0351) Front Back. (fig. 27.2, 27.3 and 27.4)

**C:** Place (1809) Door Trim flush to the door side edge of (1814) Wall Support and tight to the bottom of (1869) Door Top with 4 (S1) #8 x 1-1/8" Wood Screws. (fig. 27.2)

Fig. 27.1

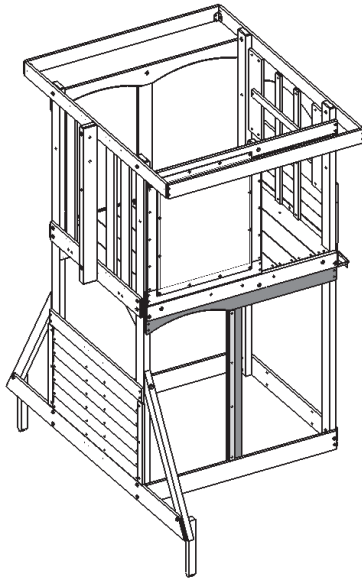


Fig. 27.3

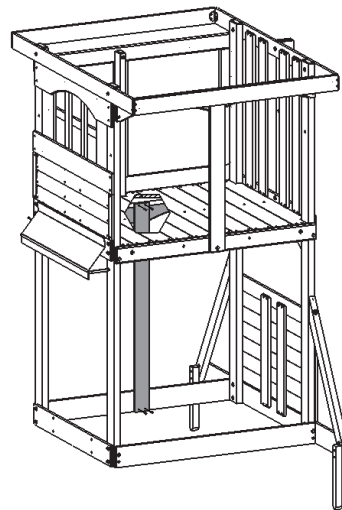


Fig. 27.4

Inside Fort View

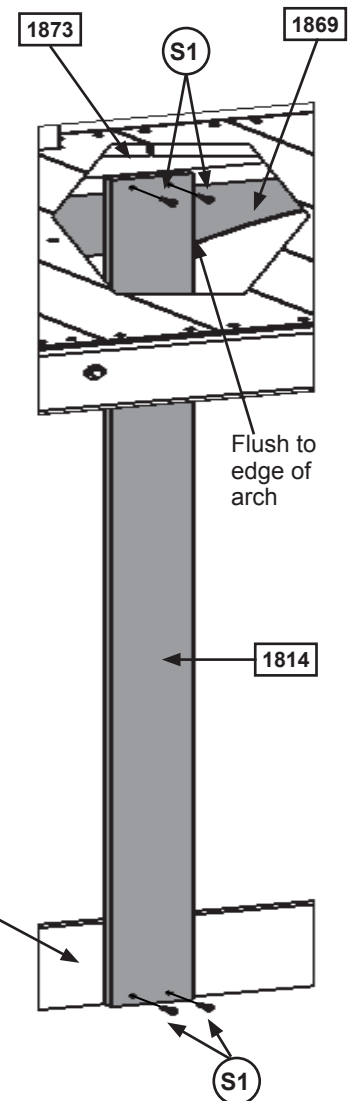
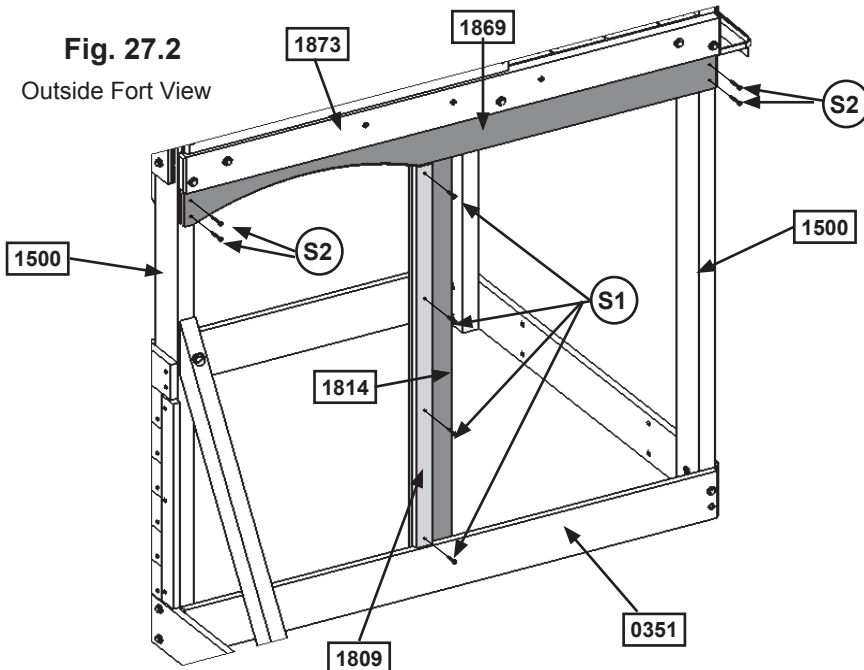


Fig. 27.2  
Outside Fort View



### Wood Parts

- 1 x 1869 Door Top 1 x 4 x 46-5/8"
- 1 x 1814 Wall Support 1 x 4 x 45-1/2"
- 1 x 1809 Door Trim 1 x 2 x 36-1/2"

### Hardware

- 8 x S1 #8 x 1-1/8" Wood Screw
- 4 x S2 #8 x 1-1/2" Wood Screw

# Step 27: Door Wall Assembly Part 2

**D:** Tight to the top of (0351) Front Back and tight to (1809) Door Trim attach 1 (1847) Siding to (1814) Wall Support and (1500) Post with 2 (S0) #8 x 7/8" Truss Screws as shown in fig. 27.7.

**E:** Evenly space then install 10 more (1847) Siding directly above the first, attaching to (1814) Wall Support and (1500) Post with 2 (S0) #8 x 7/8" Truss Screws per board. The top of the last (1847) Siding should be tight to the bottom of (1869) Door Top. (fig. 27.7)

**F:** From inside the assembly, centred over the pilot holes in (1847) Siding, attach (1814) Wall Support to (1873) Back Floor and (0351) Front Back with 4 (S1) #8 x 1-1/8" Wood Screws. (fig. 27.8)

**G:** From the outside of the assembly attach (1847) Siding to (1814) Wall Support with 1 (S0) #8 x 7/8" Truss Screws per siding. (fig. 27.7)

Fig. 27.6

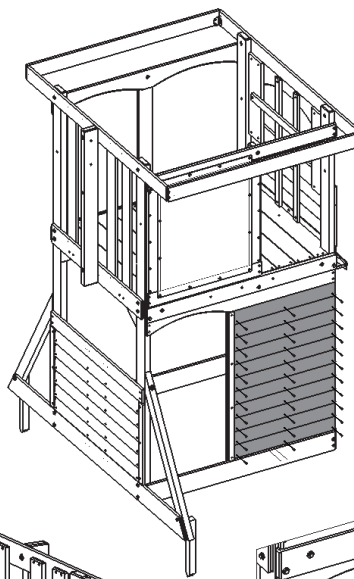


Fig. 27.8

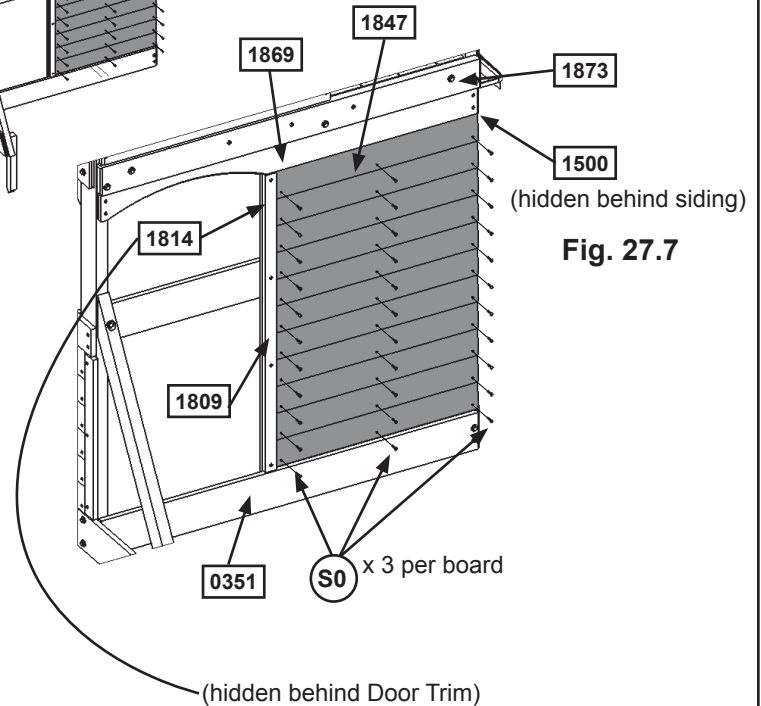
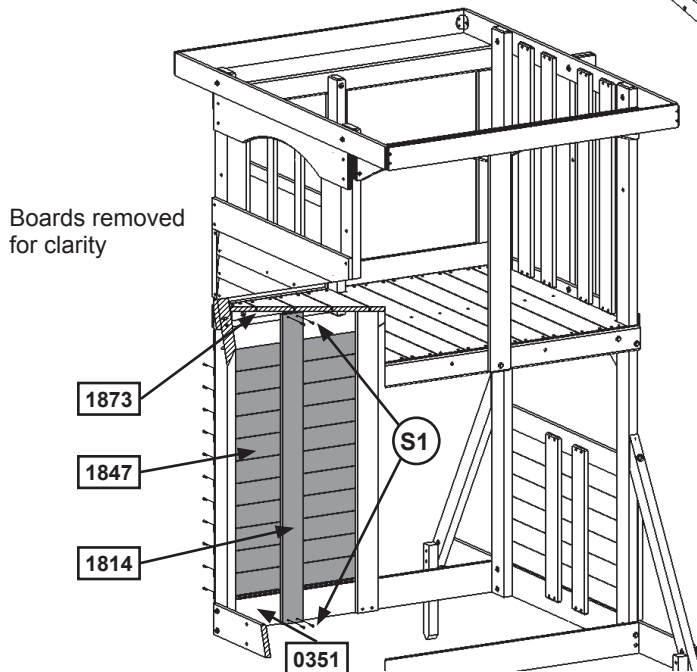


Fig. 27.7

### Wood Parts

- 11 x 1847 Siding 3/8 x 3-1/2 x 24-7/8"
- 1 x 1814 Wall Support 1 x 4 x 45-1/2"

### Hardware

- 33 x S0 #8 x 7/8" Truss Screw
- 4 x S1 #8 x 1-1/8" Wood Screw

# Step 28: Lower Cafe Wall Assembly Part 1



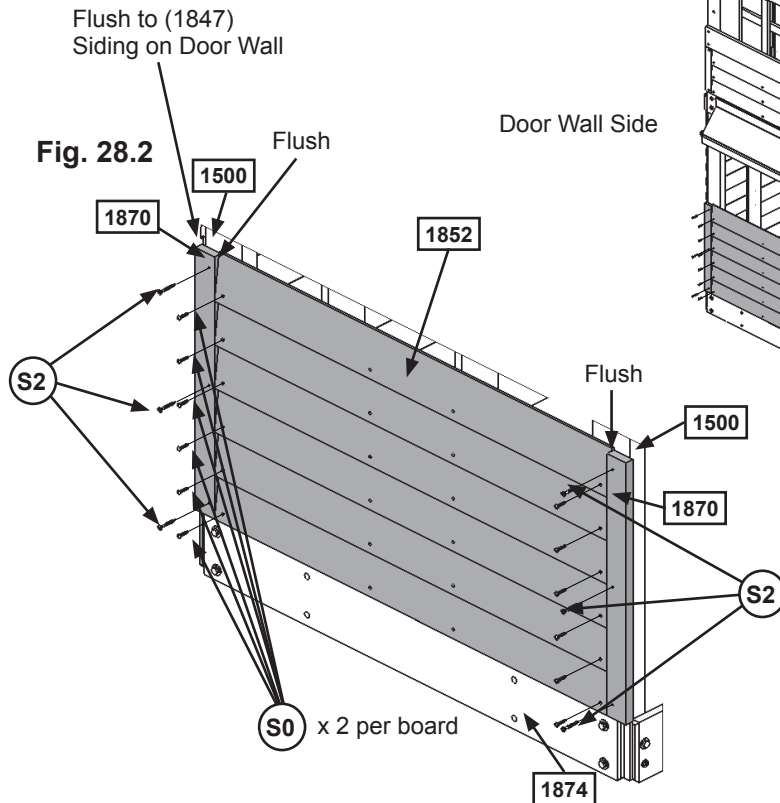
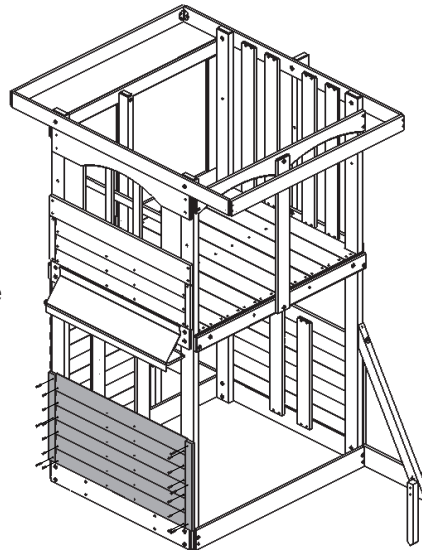
**A:** Place 1 (1870) Trim Short tight to the top of (1874) Side Ground and the outside edge of (1847) Siding on the Door Wall side of the assembly. Attach to (1500) Post with 3 (S2) #8 x 1-1/2" Wood Screws. (fig. 28.1 and 28.2)

**B:** Tight to top of (1874) Side Ground and tight to (1870) Trim Short attach (1852) CE Siding to both (1500) Posts with 2 (S0) #8 x 7/8" Truss Screws as shown in fig. 28.2.

**C:** Tight to (1852) CE Siding and top of (1874) Side Ground attach a second (1870) Trim Short to (1500) Post with 3 (S2) #8 x 1-1/2" Wood Screws. The (1870) Trim Short should overhang the (1500) Post by 5/16". (fig 28.2)

**D:** Install 5 more (1852) CE Siding directly above the first, attaching to both (1500) Posts with 2 (S0) #8 x 7/8" Truss Screws per board. (fig. 28.2)

Fig. 28.1



**Wood Parts**

- 6 x 1852 CE Siding 3/8 x 3-1/2 x 36"
- 2 x 1870 Trim Short 1 x 2-1/2 x 19-5/8"

**Hardware**

- 12 x S0 #8 x 7/8" Truss Screw
- 6 x S2 #8 x 1-1/2" Wood Screw

# Step 28: Lower Cafe Wall Assembly Part 2



**E:** Place (0376) Table Top centred over (1868) Table Support so the corner of the angled edge of (0376) Table Top is flush to the face of (1868) Table Support. The (1868) Table Support should overhang the (0376) Table Top on both sides by 3-3/8". (fig. 28.4 and 28.5)

**F:** Attach (1868) Table Support to (0376) Table Top with 5 (S7) #12 x 2" Pan Screws. (fig. 28.4)

**G:** Place the Table Top Assembly tight to the top of (1852) CE Siding and attach to both (1500) Posts with 4 (S3) #8 x 2-1/2" Wood Screws. (fig. 28.6 and 28.7)

Fig. 28.4

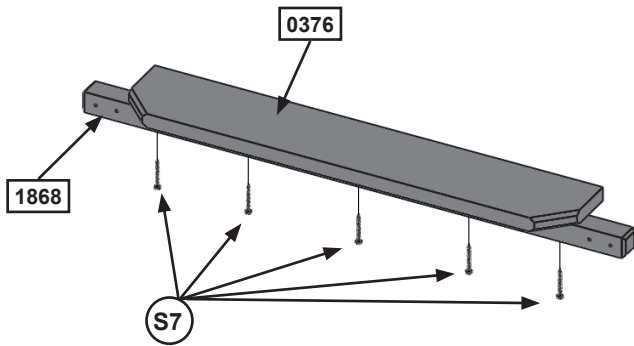


Fig. 28.5

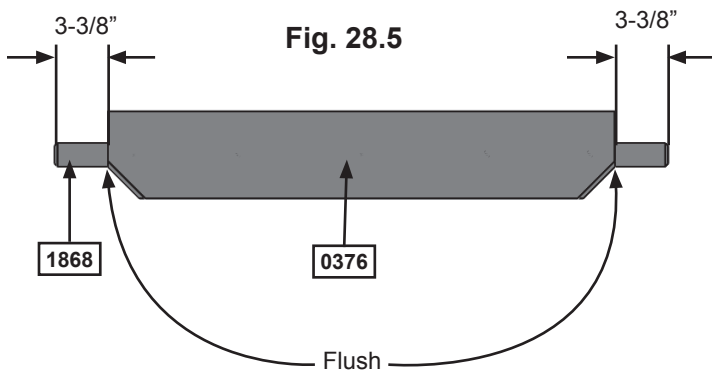


Fig. 28.6

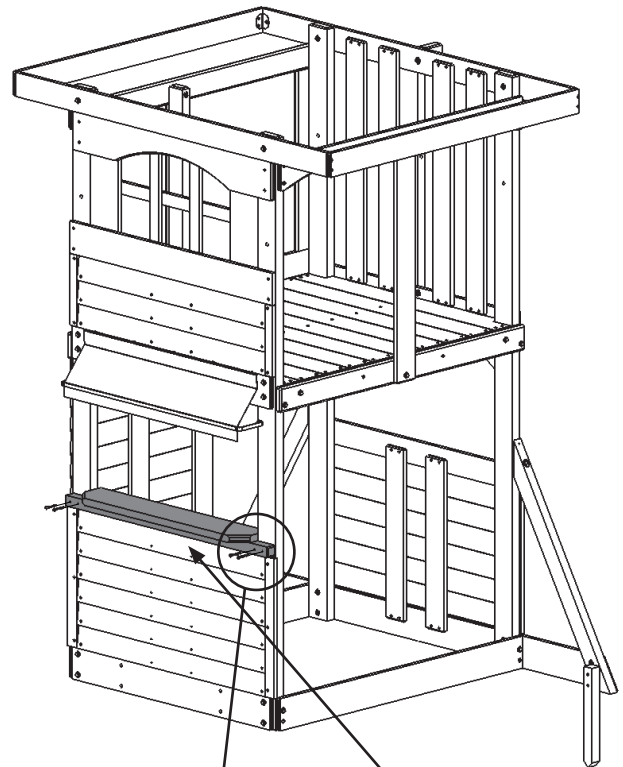
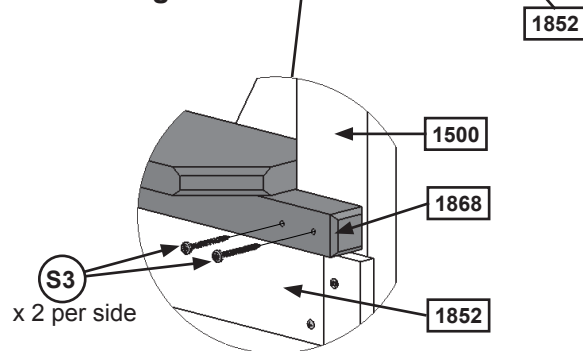


Fig. 28.7



### Wood Parts

- 1 x 0376 Table Top 5/4 x 6 x 32"
- 1 x 1868 Table Support 2 x 2 x 38-3/4"

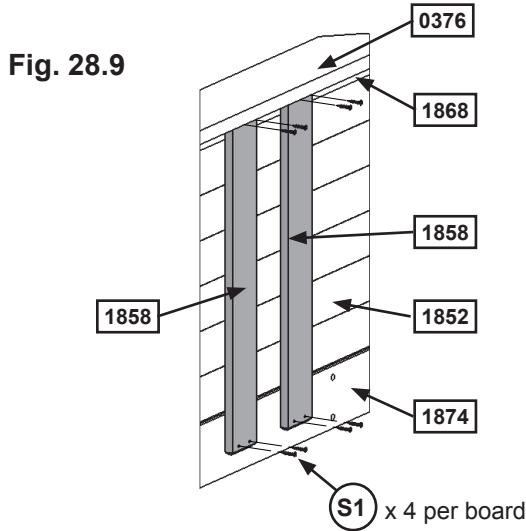
### Hardware

- 5 x S7 #12 x 2" Pan Screw
- 4 x S3 #8 x 2-1/2" Wood Screw

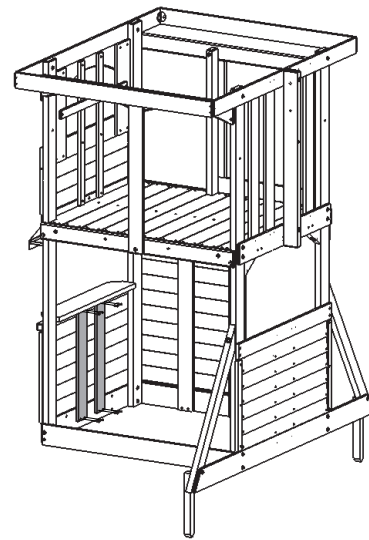
# Step 28: Lower Cafe Wall Assembly Part 3

**H:** From inside the assembly, centred over the pilot holes in (1852) CE Siding, attach 2 (1858) Short Wall Supports to (1868) Table Support and (1874) Side Ground with 4 (S1) #8 x 1-1/8" Wood Screws per board. (fig. 28.8 and 28.9)

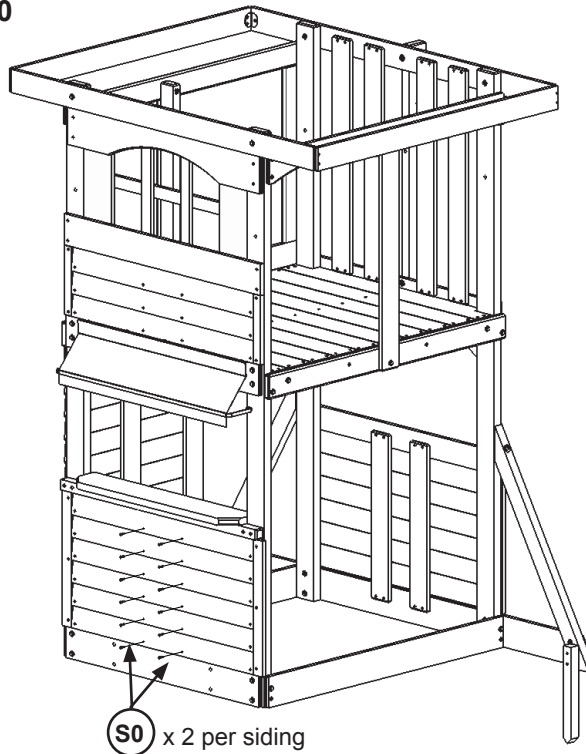
**I:** From the outside of the assembly attach (1852) CE Siding to each (1858) Short Wall Support with 2 (S0) #8 x 7/8" Truss Screws per siding. (fig. 28.10)



**Fig. 28.8**



**Fig. 28.10**



### Wood Parts

2 x 1858 Short Wall Support 1 x 4 x 24-1/4"

### Hardware

8 x S1 #8 x 1-1/8" Wood Screw

12 x S0 #8 x 7/8" Truss Screw



# Step 29: Lower Front Wall Assembly Part 1

**A:** Tight to the top of (0351) Front Back and tight to each (1870) Trim Short attach 1 (1849) Cedar Siding to both (1500) Posts with 2 (S0) #8 x 7/8" Truss Screws as shown in fig. 29.1 and 29.2.

**B:** Install 4 more (1849) Cedar Siding directly above the first, attaching to both (1500) Posts with 2 (S0) #8 x 7/8" Truss Screws per board. (fig. 29.2)

**C:** Tight to the bottom of (0799) Floor Back and flush to the edges of both (1500) Posts attach 1 (1849) Cedar Siding with 2 (S0) #8 x 7/8" Truss Screws. (fig. 29.2)

**D:** Install another (1849) Cedar Siding directly below the one installed in "C" to both (1500) Posts using 2 (S0) #8 x 7/8" Truss Screws. (fig. 29.2)

Fig. 29.1

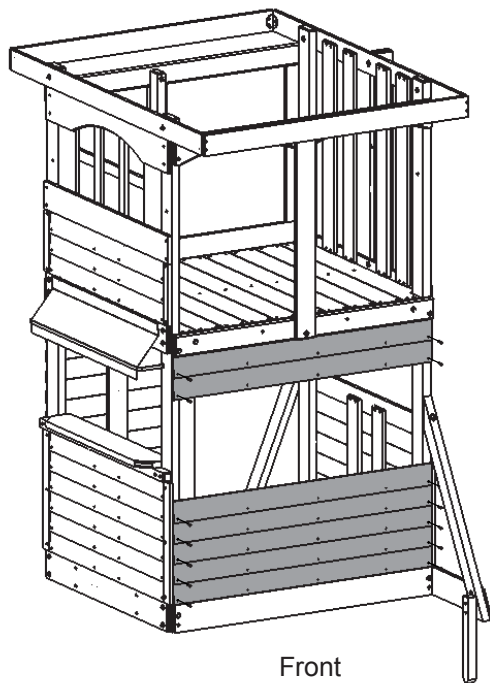
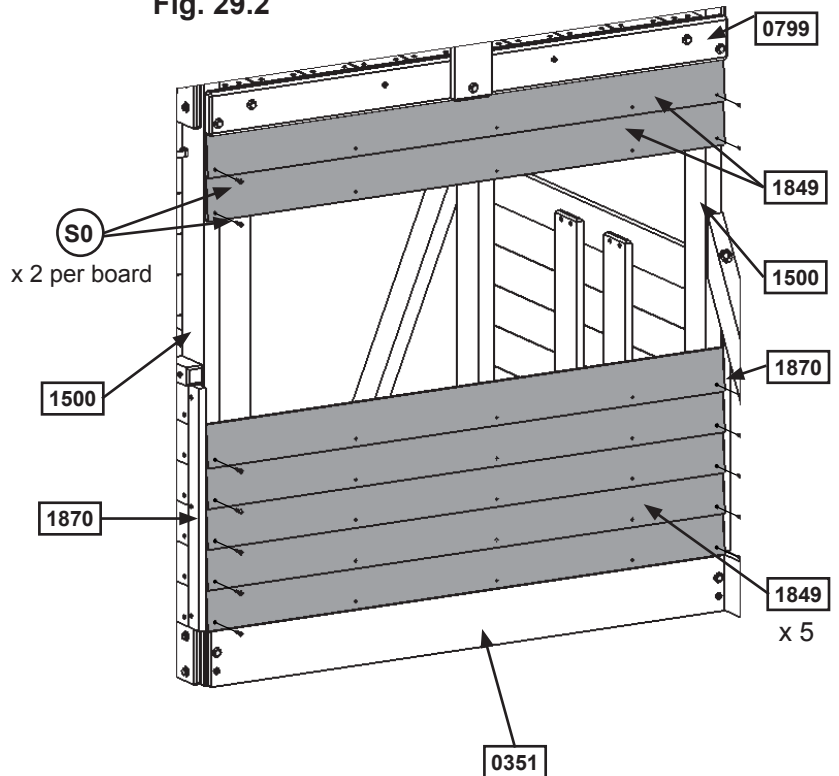


Fig. 29.2



## Wood Parts

7 x 1849 Cedar Siding 3/8 x 3-1/2 x 46-5/8"

## Hardware

14 x S0 #8 x 7/8" Truss Screw

# Step 29: Lower Front Wall Assembly Part 2

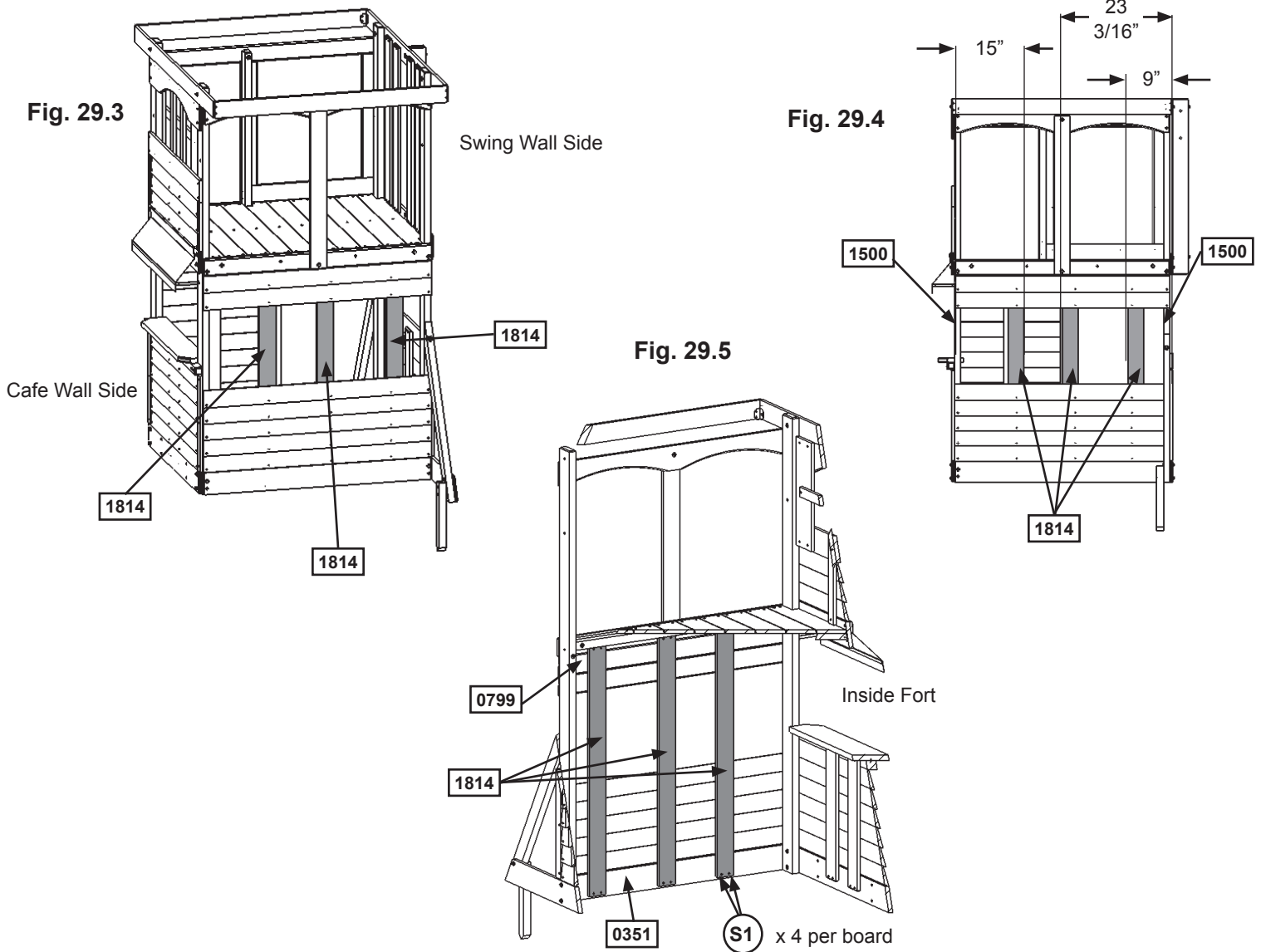


**E:** Measure 15" from the outside edge of (1500) Post on the Cafe Wall side. From the inside of the assembly attach 1 (1814) Wall Support to (0799) Floor Back and (0351) Front Back with 4 (S1) #8 x 1-1/8" Wood Screws as shown in fig. 29.3, 29.4 and 29.5.

**F:** Measure 9" from the outside edge of (1500) Post on the Swing Wall side. From the inside of the assembly attach 1 (1814) Wall Support to (0799) Floor Back and (0351) Front Back with 4 (S1) #8 x 1-1/8" Wood Screws as shown in fig. 29.4 and 29.5.

**G:** Measure 23-3/16" from the outside edge of (1500) Post on the Swing Wall side. From the inside of the assembly attach 1 (1814) Wall Support to (0799) Floor Back and (0351) Front Back with 4 (S1) #8 x 1-1/8" Wood Screws as shown in fig. 29.4 and 29.5.

**All (1814) Wall Supports should cover the pilot holes in (1849) Cedar Siding. (fig. 29.3)**



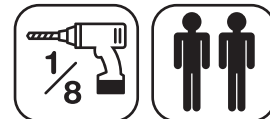
### Wood Parts

3 x **1814** Wall Support 1 x 4 x 45-1/2"

### Hardware

12 x **(S1)** #8 x 1-1/8" Wood Screw

# Step 29: Lower Front Wall Assembly Part 3



**H:** Install and evenly space 5 (1850) Siding in the large opening between (1849) Cedar Sidings, attaching to (1500) Post and 2 (1814) Wall Supports with 3 (S0) #8 x 7/8" Truss Screws per board. (1850) Siding should be flush to outside edge of (1500) Post. (fig. 29.6 and 29.7)

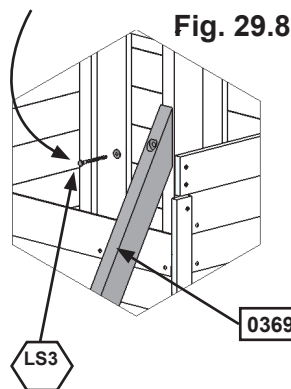
**I:** Remove the (LS3) 1/4 x 3" Lag Screw (with flat washer) from the top of (0369) Lower Diagonal and have a helper hold it to the right of the assembly while installing the next siding pieces. (fig. 29.6 and 29.7)

**J:** In the small opening between (1849) Cedar Sidings attach and evenly space 5 (1848) CE Siding flush to outside edge of (1500) Post and to (1814) Wall Support with 2 (S0) #8 x 7/8" Truss Screws per board. (fig. 29.6 and 29.7)

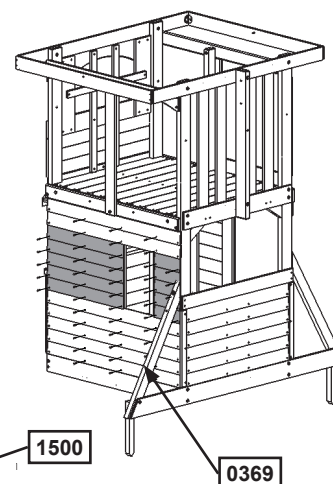
**K:** Pre-drill with a 1/8" drill bit though (1848) CE Siding then re-attach (0369) Lower Diagonal to (1500) Post with the previously removed (LS3) 1/4 x 3" Lag Screw (with flat washer).

**L:** Attach (1849) Cedar Siding to each (1814) Wall Support with 3 (S0) #8 x 7/8" Truss Screws per siding. (fig. 29.7)

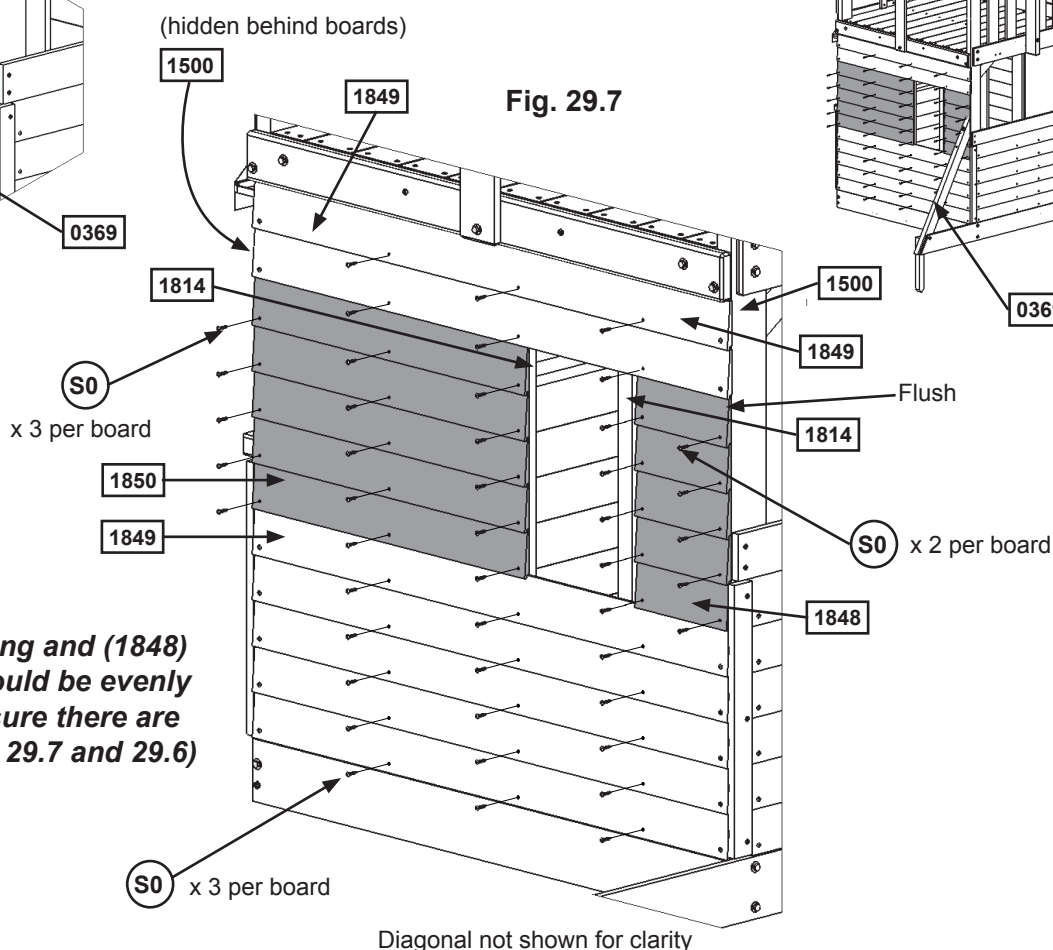
Remove this lag



**Fig. 29.8**



**Fig. 29.6**



**All (1850) Siding and (1848) CE Siding should be evenly spaced to ensure there are no gaps. (fig. 29.7 and 29.6)**

### Wood Parts

5 x 1850 Siding 3/8 x 3-1/2 x 26-3/4"

5 x 1848 CE Siding 3/8 x 3-1/2 x 9"

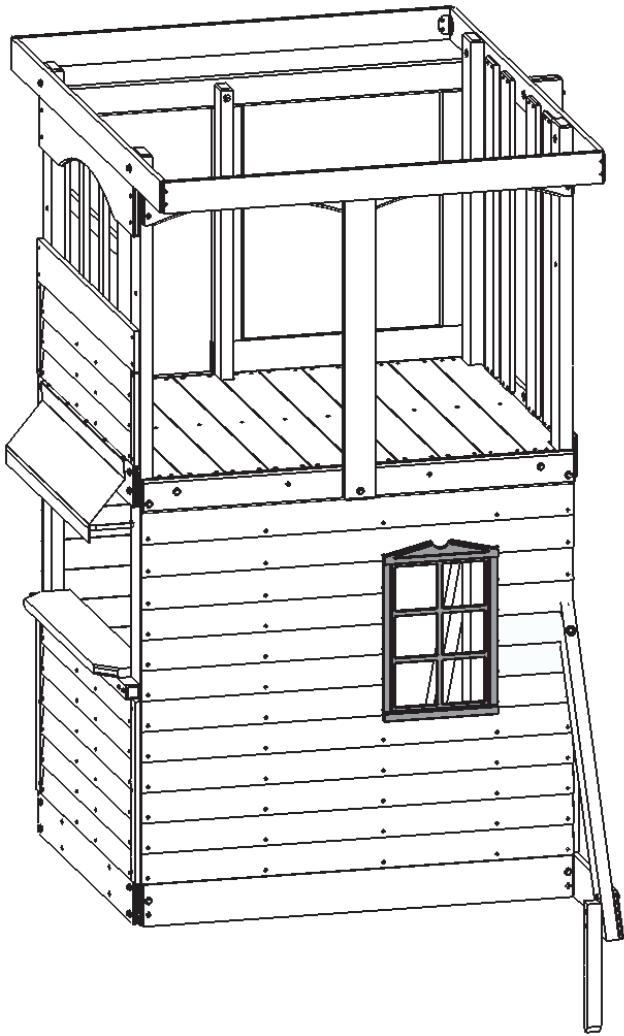
### Hardware

46 x S0 #8 x 7/8" Truss Screw

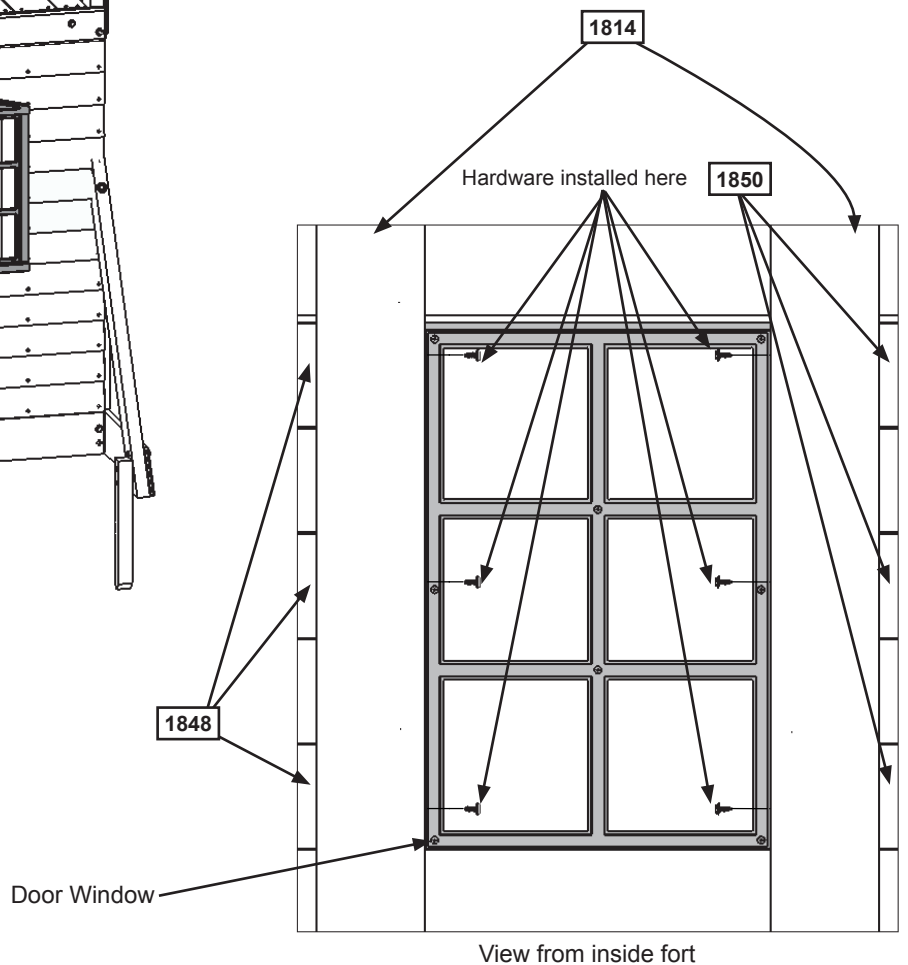
## Step 30: Attach Window to Fort

**A:** On the outside of the assembly place Door Window tight to the siding and from the inside of the assembly attach Door Window to (1848) CE Siding and (1850) Siding with the included hardware. (fig. 30.1 and 30.2)

**Fig. 30.1**



**Fig. 30.2**



### **Other Parts**

1 x Door Window (with included hardware)

# Step 31: Attach Roof to Fort

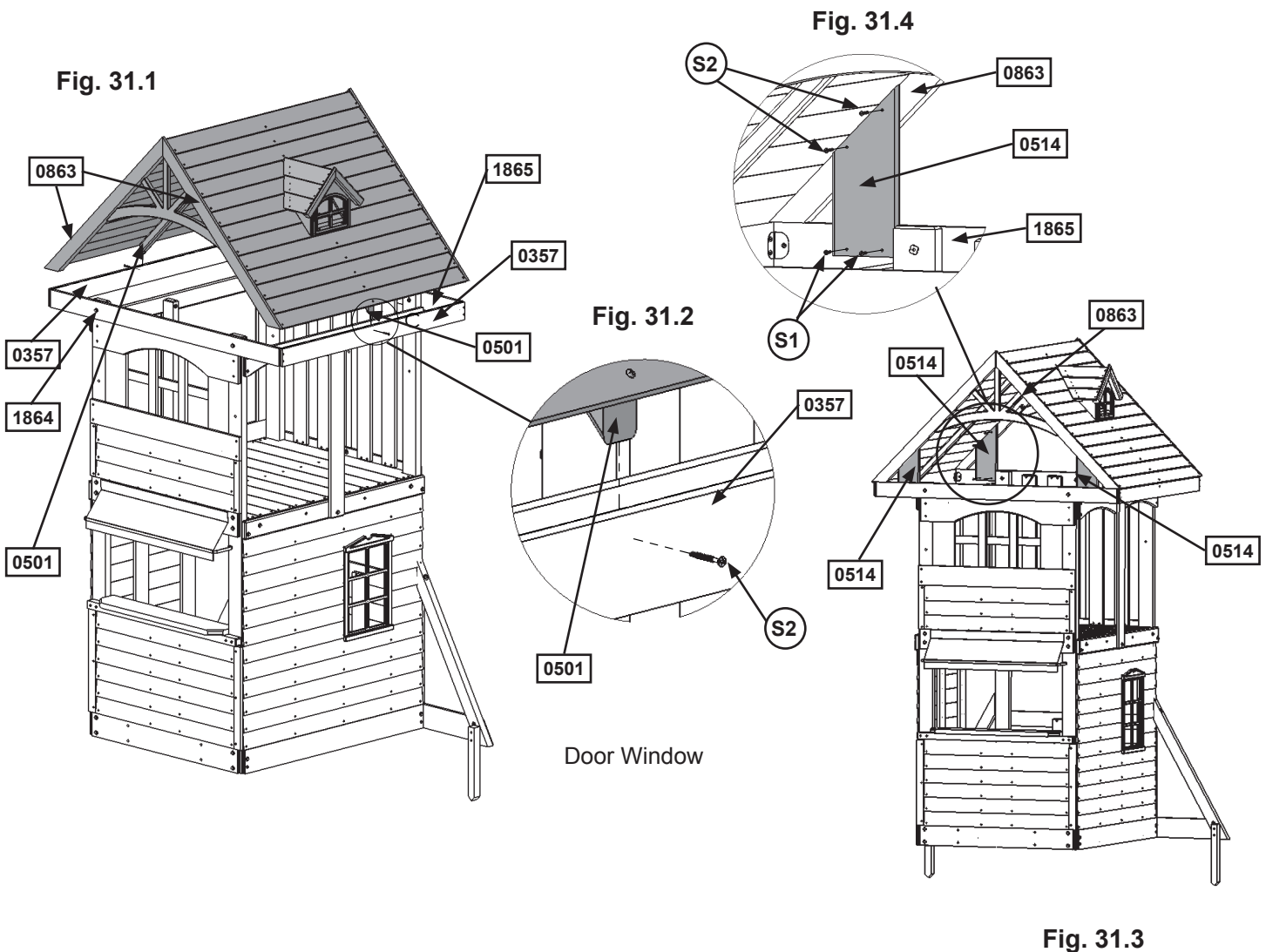


**A:** With two helpers place the Roof Assembly, from Step 9, on the fort as shown in fig. 31.1. The roof should be centred on the Roof Frame assembly and (0863) Roof Supports should be flush to the inside of the fort and resting on (1865) SW Roof Side and (1864) SL Roof Side. The (0501) Joists should fit tight to the inside of each (0357) Tarp Front Back.

**B:** Predrill and attach (0357) Tarp Front Back to (0501) Joists using 1 (S2) #8 x 1-1/2" Wood Screw per side. (fig. 31.1 and 31.2)

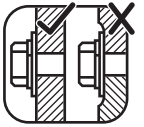
**C:** Attach 1 (0514) Roof Brace to each (0863) Roof Support so it is tight against the angled edge of the Roof Supports using 2 (S2) #8 x 1-1/2" Wood Screws per brace. (fig. 31.3 and 31.4)

**D:** Attach each (0514) Roof Brace to (1865) SW Roof Side and (1864) SL Roof Side using 2 (S1) #8 x 1-1/8" Wood Screws per brace. (fig. 31.3 and 31.4)



**Wood Parts**  
4 x 0514 Roof Brace 1 x 6 x 13"

**Hardware**  
8 x S1 #8 x 1-1/8" Wood Screw  
10 x S2 #8 x 1-1/2" Wood Screw



## Step 32: Stool Seat Assembly

**A:** Using the hardware provided with the Stool Seat Assembly attach 1 Seat to 1 Seat Support and then create a second seat as in fig. 32.1.

**B:** Keeping the Cross Brace tight to the Seat Assemblies, fasten the Cross Brace to each of the Seat Assemblies using the hardware provided. (fig. 32.2)

Fig. 32.1

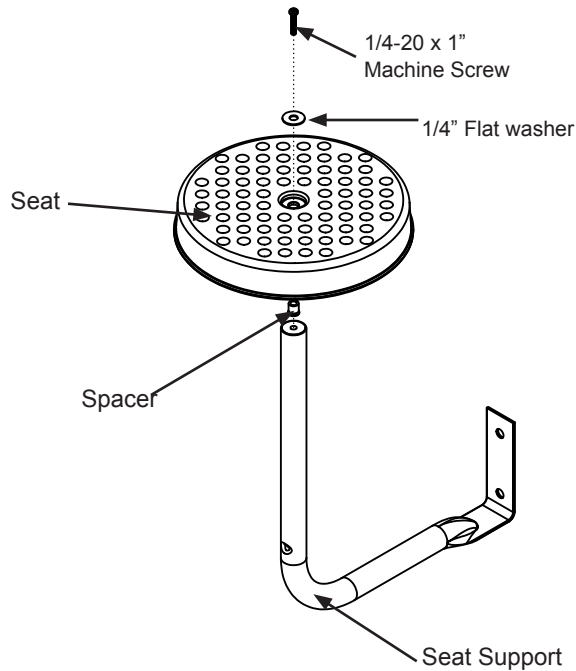
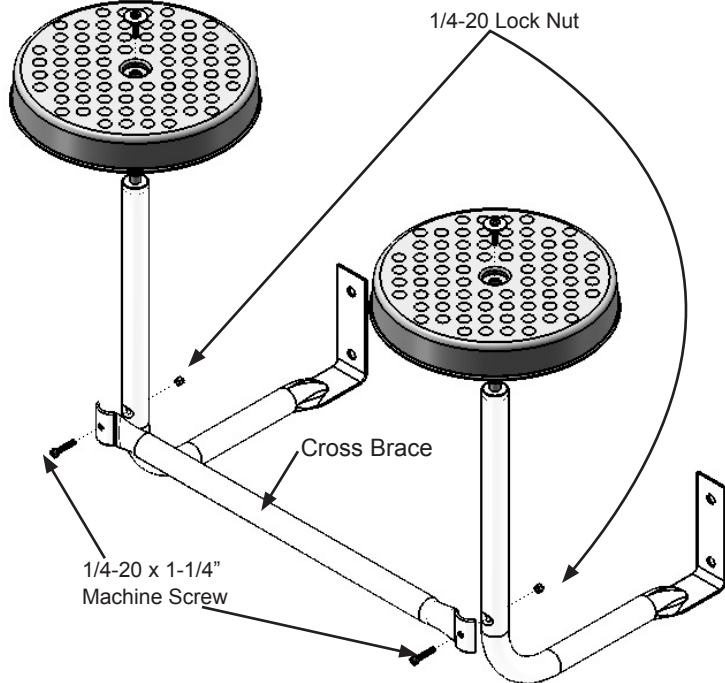
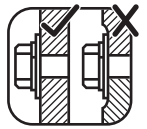


Fig. 32.2



### Other Parts

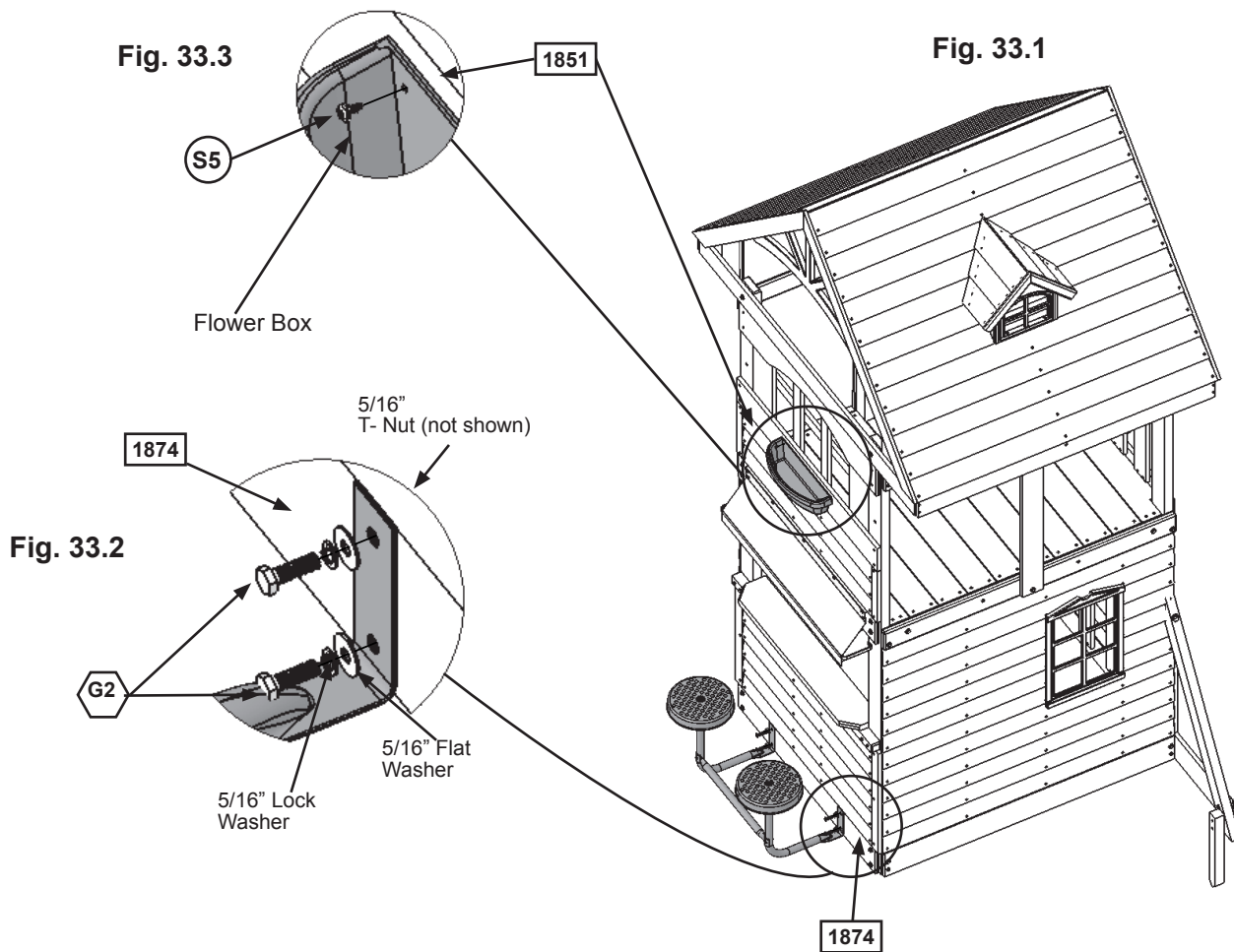
1 x Stool Set (with hardware)



# Step 33: Attach Stool Seat and Flower Box to Fort

**A:** Attach the Stool Seat Assembly to (1874) Side Ground using 2 (G2) 5/16 x 1" Hex Bolt (with lock washer, flat washer and t-nut) per Seat Assembly. (fig. 33.1 and 33.2)

**B:** Attach a Flower Box, centred under the window on (1851) Cedar Floor Board with 2 (S5) #8 x 1/2" Pan Screws as shown in fig. 33.1 and 33.3.



### Hardware

- 2 x (S5) #8 x 1/2" Pan Screw
- 4 x (G2) 5/16 x 1" Hex Bolt (5/16" flat washer, 5/16" lock washer, 5/16" t-nut)

### Other Parts

- 1 x Flower Box

# Step 34: Connect Monkey Bar Assembly to Fort Part 1

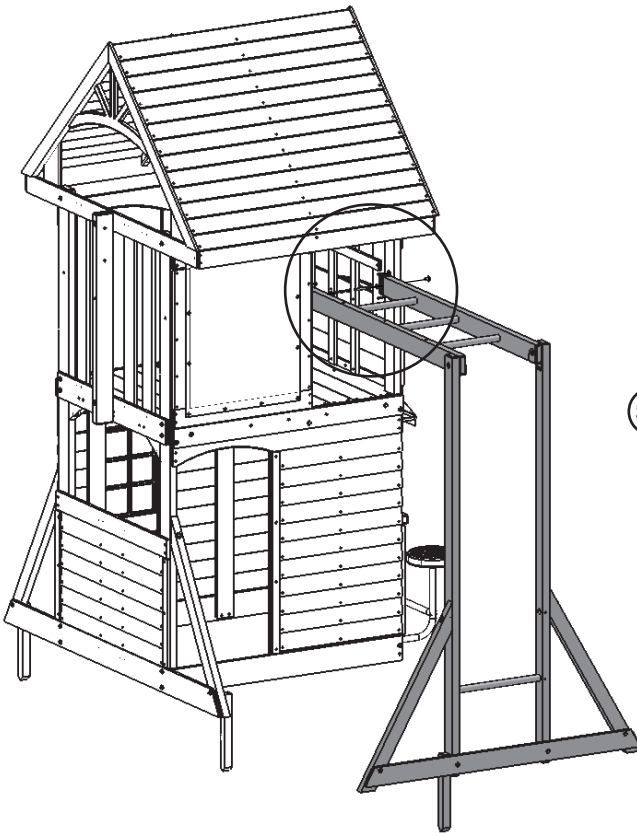


**Pre-drill all pilot holes using a 1/8" drill bit before installing the lag screws.**

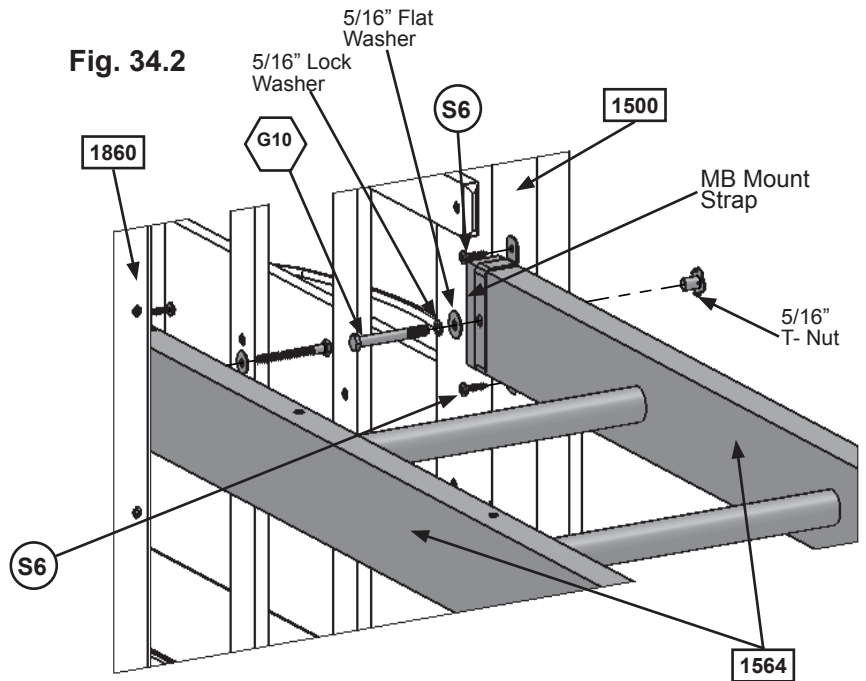
**A:** Using a MB Mount Strap attach (1564) MK Rail Long to (1500) Post with 1 (G10) 5/16 x 3" Hex Bolt (with lock washer, flat washer and t-nut) in the centre hole and 2 (S6) #12 x 1" Pan Screws in the 2 end holes as shown in fig. 34.1 and 34.2.

**B:** Make sure the Monkey Bar Assembly is level then using a MB Mount Strap attach (1564) MK Rail Long to (1860) MK Mount with 1 (LS2) 1/4 x 2-1/2" Lag Screw (with flat washer) in the centre hole and 2 (S6) #12 x 1" Pan Screws in the 2 end holes as shown in fig. 34.3.

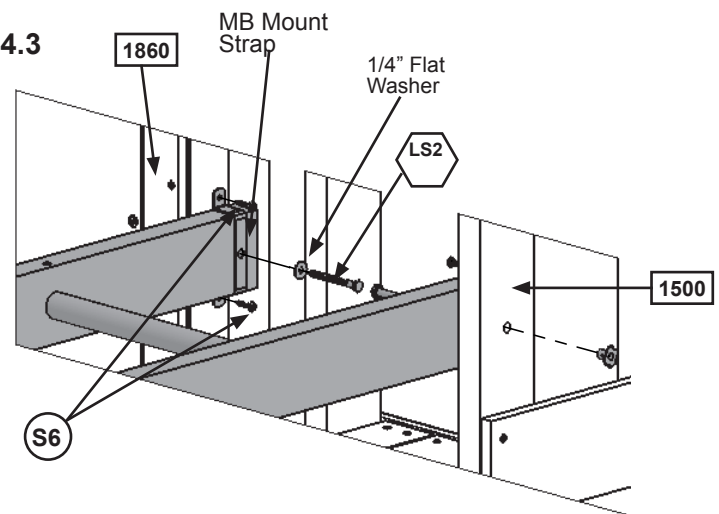
**Fig. 34.1**



**Fig. 34.2**



**Fig. 34.3**



**Hardware**

- 1 x 1/4 x 2-1/2" Lag Screw (1/4" flat washer)
- 1 x 5/16 x 3" Hex Bolt (5/16" flat washer, 5/16" lock washer, 5/16" t-nut)
- 4 x #12 x 1" Pan Screw

**Other Parts**

- 2 x MB Mount Strap



# Step 34: Connect Monkey Bar Assembly to Fort Part 2

C: Drive 1 (0318) Ground Stake 10-1/2" into the ground at one (1367) Post MK on the inside of the assembly and attach with 2 (S3) #8 x 2-1/2" Wood Screws. (fig. 34.1 and 34.4)



**Warning!** To prevent tipping and avoid potential injury, stakes must be driven 10-1/2" into ground. Digging or driving stakes can be dangerous if you do not check first for underground wiring, cables or gas lines.

Fig. 34.1

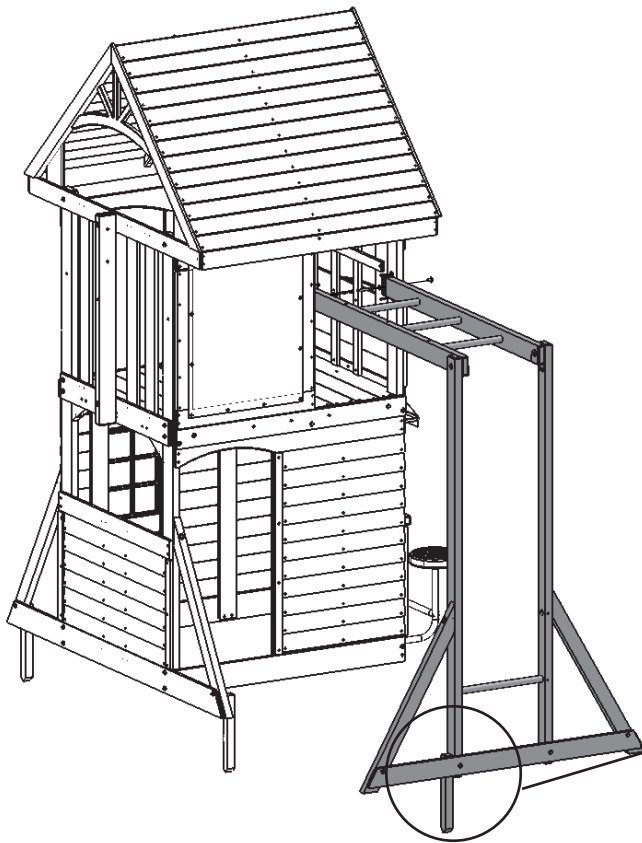
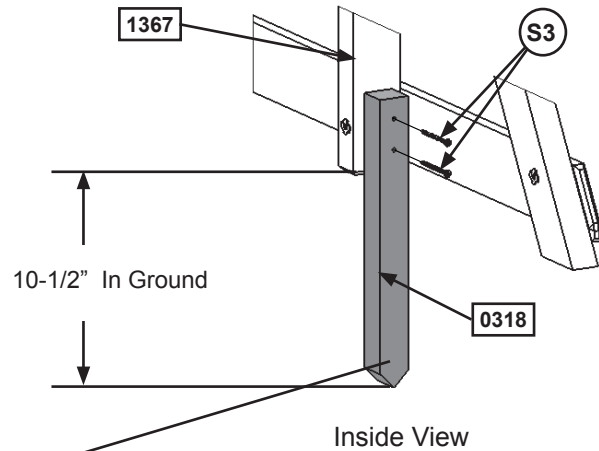


Fig. 34.4



### Wood Parts

1 x **0318** Ground Stake 1-1/4 x 1-1/2 x 14"

### Hardware

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

## Step 35: Attach Slide to Fort

**A:** Place Slide in the centre between (1855) Divider and (1500) Post. (fig. 35.1 and 35.2)

**B:** Attach slide to fort through the (0799) Floor Back using 3 (S7) #12 x 2" Pan Screws. (fig. 35.2 and 35.3)

Fig. 35.1

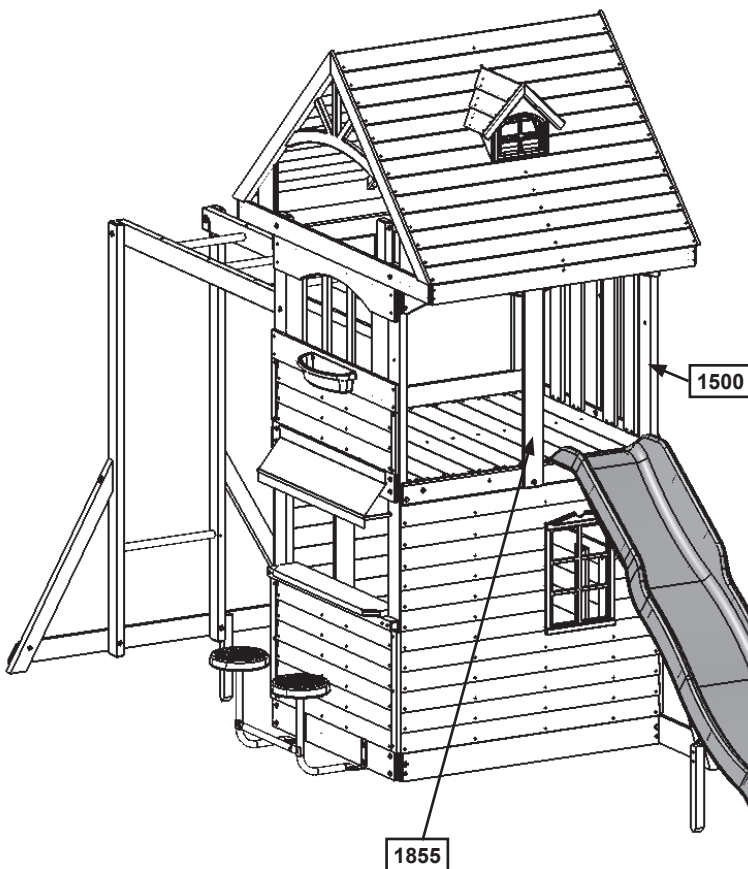


Fig. 35.3

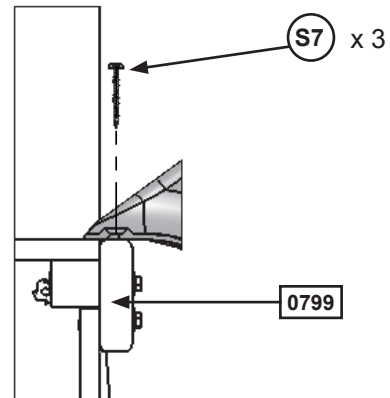
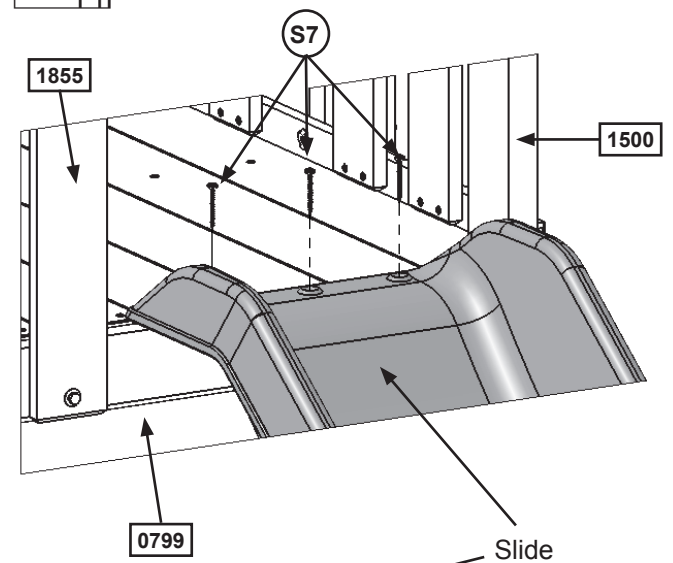


Fig. 35.2



### Hardware

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

### Other Parts

1 x Slide

# Step 36: Attach Rock Rail to Fort

**A:** Place Rock Wall Assembly from Step 2 centred between (1500) Post and (1855) Divider and flush to top of (0799) Floor Back (fig. 36.1 and 36.2). Attach (0349) Rock Rails to (0799) Floor Back using 4 (S15) #8 x 1-3/4" Wood Screws as shown in fig. 36.3.

**B:** Attach (0606) CE Access Board to top of Rock Wall Assembly, flush to top of (0349) Rock Rail using 4 (S2) #8 x 1-1/2" Wood Screws. (fig. 36.4)

Fig. 36.1

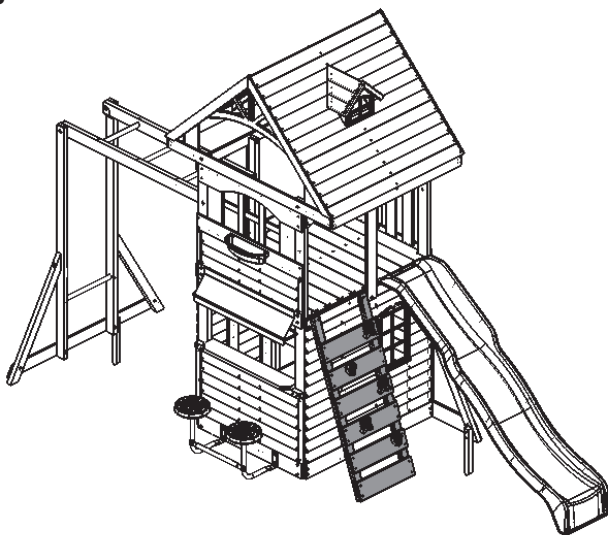


Fig. 36.3

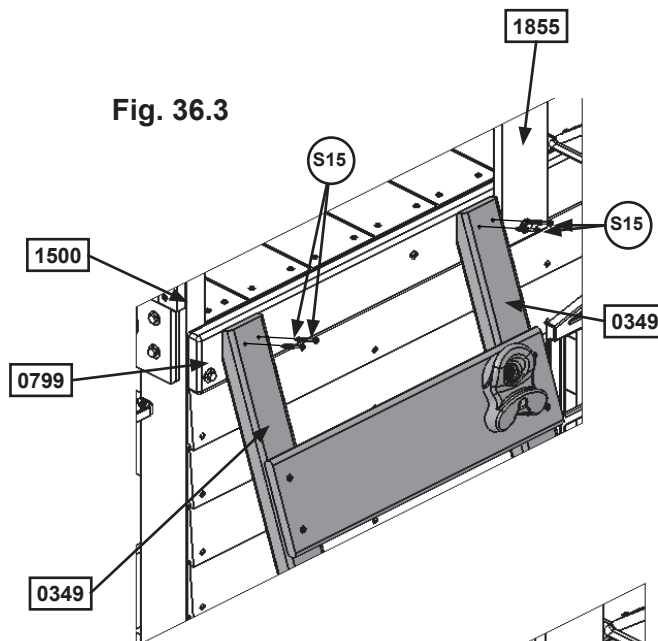


Fig. 36.2

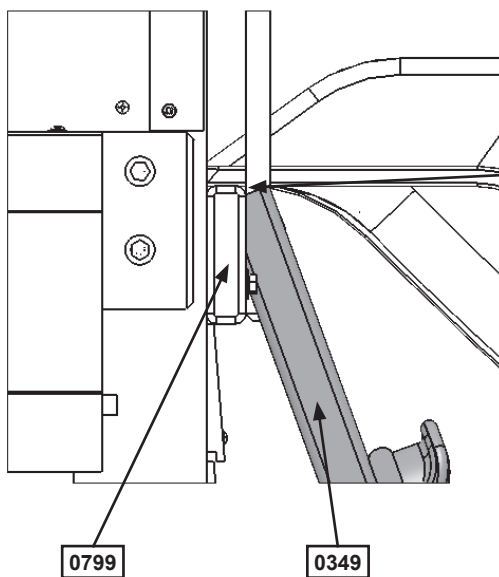
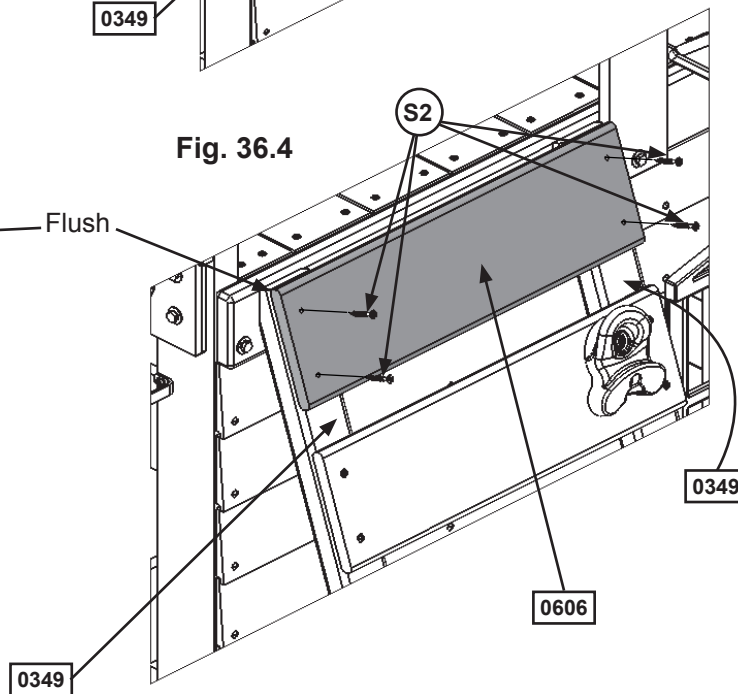


Fig. 36.4



## Wood Parts

1 x 0606 CE Access Board 1 x 6 x 19-3/4"

## Hardware

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

4 x S2 #8 x 1-1/2" Wood Screw

## Step 37: Attach Rock Rail Ground Stake

**A:** Drive 1 (0318) Ground Stakes 10-1/2" into the ground at (0349) Rock Rail as shown in fig. 37.1. Attach using 2 (S3) #8 x 2-1/2" Wood Screws per ground stake. (fig. 37.2)



**Warning!** To prevent tipping and avoid potential injury, stakes must be driven 10-1/2" into ground. Digging or driving stakes can be dangerous if you do not check first for underground wiring, cables or gas lines.

Fig. 37.1

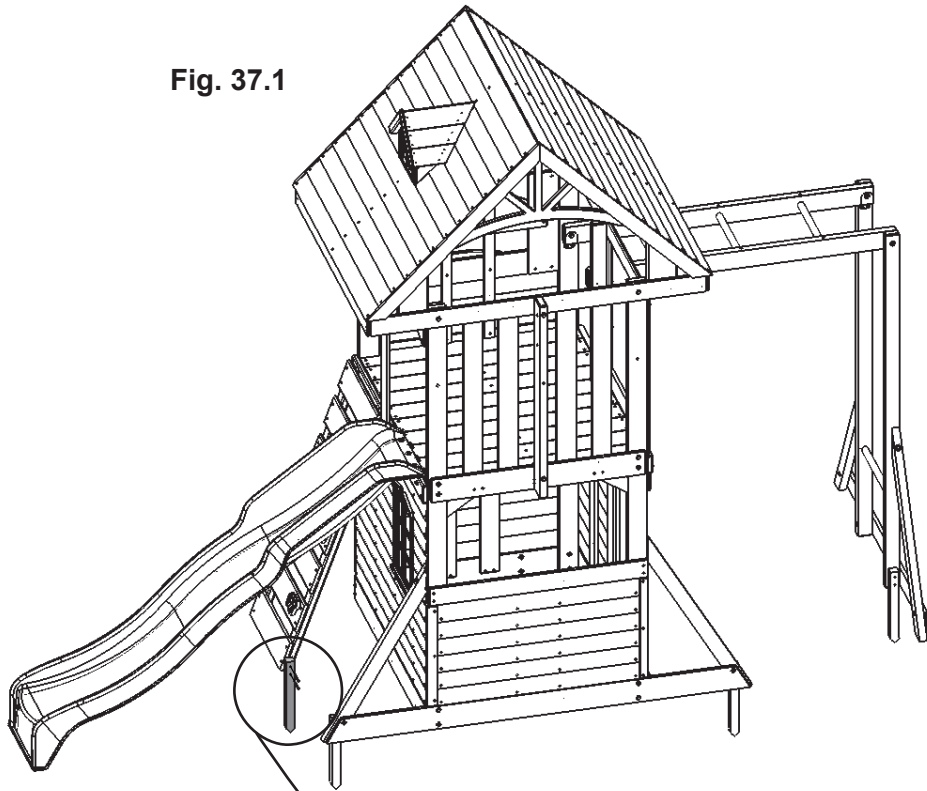
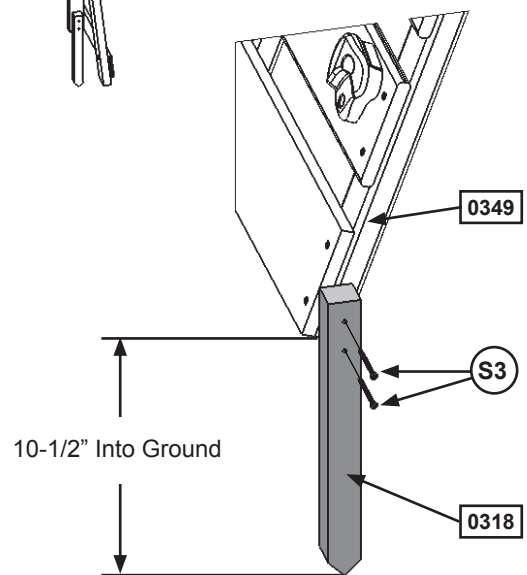


Fig. 37.2



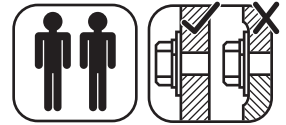
### Wood Parts

1 x 0318 Ground Stake 1-1/4 x 1-1/2 x 14"

### Hardware

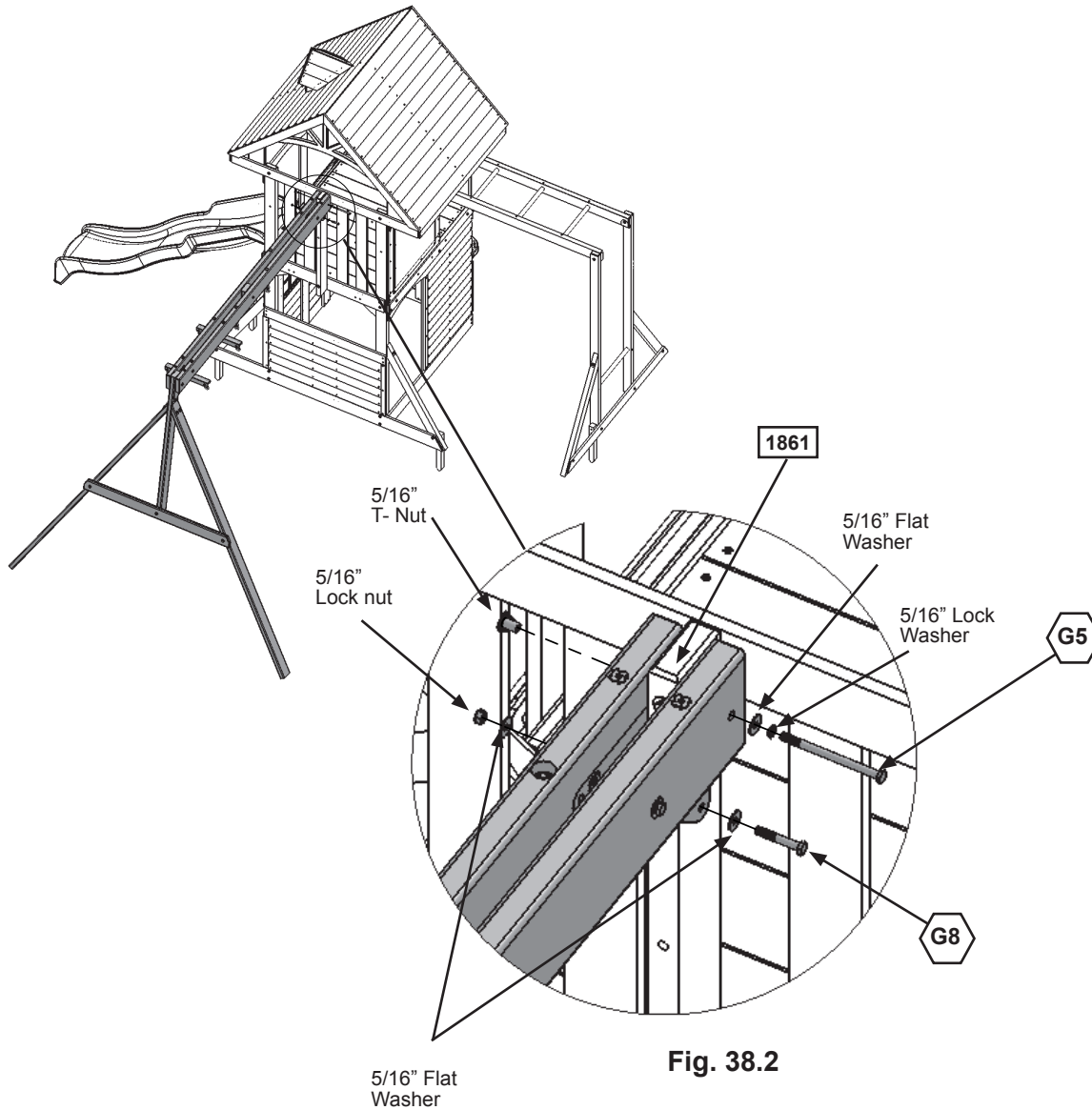
2 x S3 #8 x 2-1/2" Wood Screw

# Step 38: Attach Swing Assembly to Fort




**A:** Attach Swing Assembly from Step 5 to (1861) SW Mount with 1 (G5) 5/16 x 4-1/2" Hex Bolt (with lock washer, flat washer and t-nut) and 1 (G8) 5/16 x 2" Hex Bolt (with 2 flat washers and 1 lock nut) as shown in fig. 38.1 and 38.2.


**Fig. 38.1**



**Fig. 38.2**

### Hardware

1 x  5/16 x 4-1/2" Hex Bolt (5/16" lock washer, 5/16" flat washer, 5/16" t-nut)

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

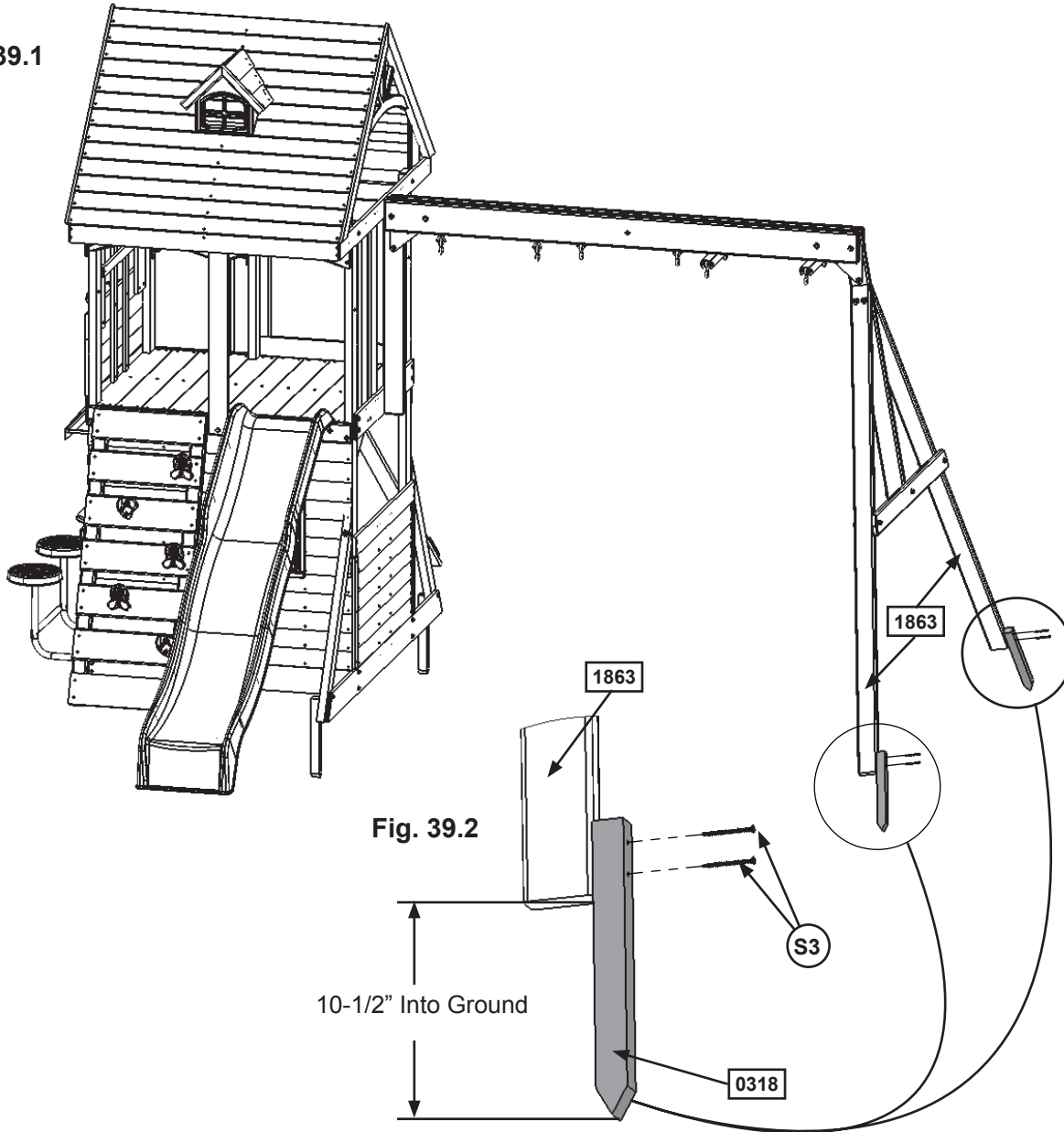
## Step 39: Attach Swing Ground Stakes

**A:** Drive one (0318) Ground Stake 10-1/2" into the ground at each (1863) SW Post and attach with 2 (S3) #8 x 2-1/2" Wood Screws per ground stake. (fig. 39.1 and 39.2)



**Warning!** To prevent tipping and avoid potential injury, stakes must be driven 10-1/2" into ground. Digging or driving stakes can be dangerous if you do not check first for underground wiring, cables or gas lines.

Fig. 39.1



### Wood Parts

2 x 0318 Ground Stake 1-1/4 x 1-1/2 x 14"

### Hardware

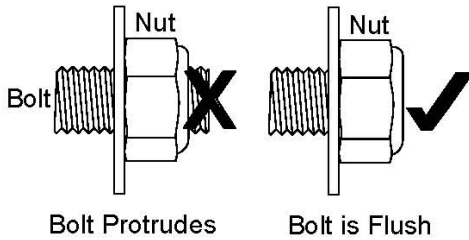
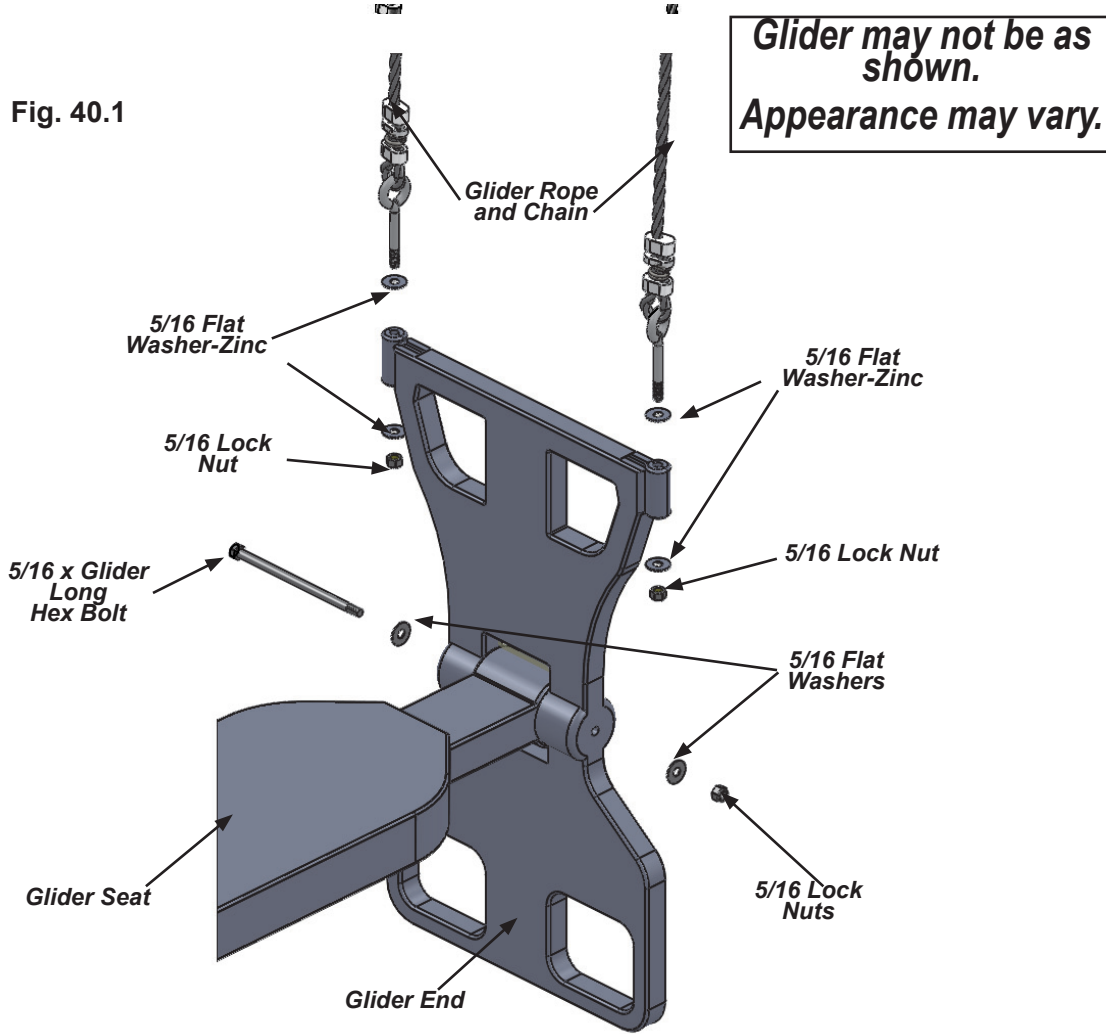
4 x S3 #8 x 2-1/2" Wood Screw

# Step 40: Glider Assembly

**A:** Attach 1 Glider End to the Glider Seat using 1 5/16" Glider Long Hex Bolt (with 2 flat washers and 1 lock nut). Repeat for the second Glider End. (fig. 40.1)

**B:** Install 2 Glider Rope with Chains into each Glider End using 2 - 5/16" Flat Washers and 1 Lock Nut per rope. (fig. 40.1)

Fig. 40.1



**Warning!** Bolt must not exceed 1/2 thread past the nut

**Hardware**

- 2 x 5/16" Glider Long Hex Bolt (5/16" flat washer x 2, 5/16" lock nut)
- 8 x 5/16" Flat Washer
- 4 x 5/16" Lock Nut

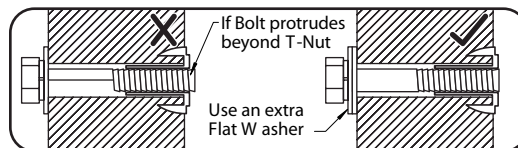
**Other Parts**

- 2 x Glider End
- 1 x Glider Seat
- 1 x Glider Rope and Chain (pkg of 4)

# Step 41: Attach Glider and Swings



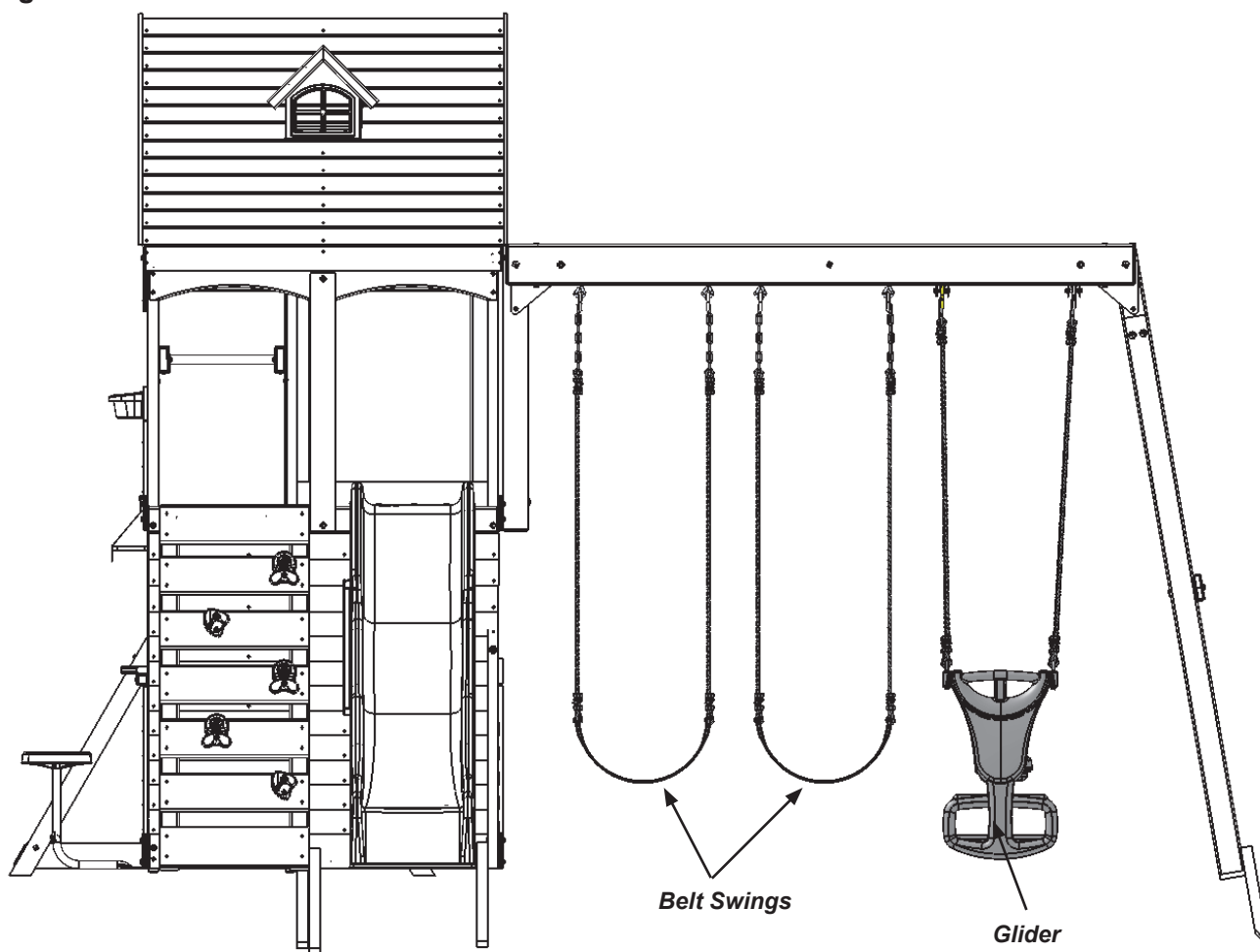
**Warning!** Check entire play centre for bolts protruding beyond T-Nuts. Use extra washers to eliminate this condition.



**A:** Connect the assembled Glider to the Glider Hangers previously installed. (fig. 41.1)

**B:** Attach 2 Belt Swings to the Bolt-Thru Swing Hangers. (fig. 41.1)

**Fig. 41.1**



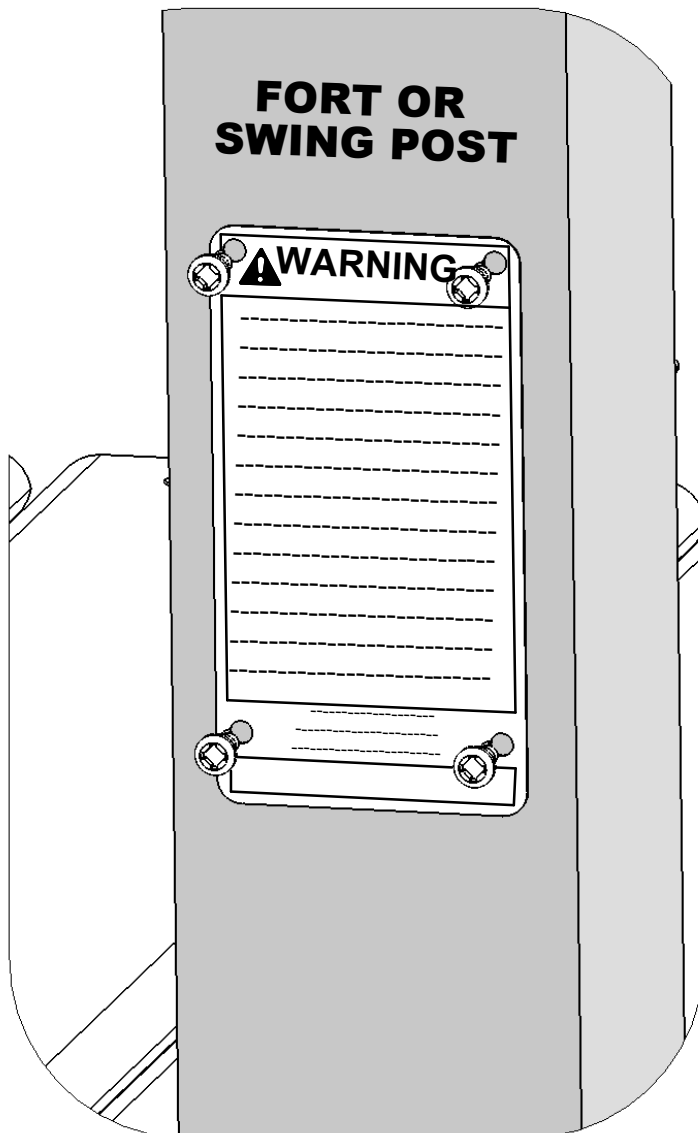
**Other Parts**  
2 x Belt Swings



## Final Step: Attach I.D. Plaque

### ATTACH THIS WARNING & I.D. PLAQUE TO A PROMINENT LOCATION ON YOUR PLAY EQUIPMENT! (Fort or Swing Post)

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.



Attach with screws provided to a location on your set that is easily seen and read by a supervising adult.







BIG BACKYARD  
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

How would you rate this product for quality?

How would you rate this product for ease of assembly?

How would you rate our instructions?

How would you rate the quality of packaging?

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

Comments:

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



Fill out your registration card online at www.bigbackyard.com/ownerslounge Big Backyard would like to say Thank You for your time and feedback.