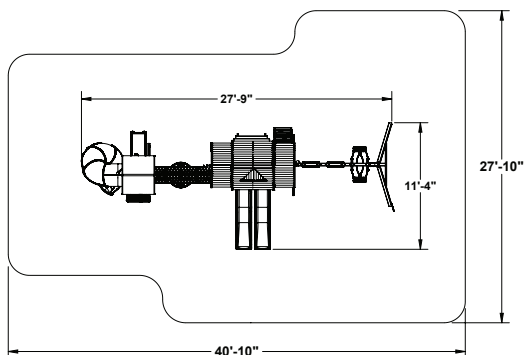


# BEAR CAVE LODGE PLAYSET– F24872

## INSTALLATION AND OPERATING INSTRUCTIONS

### Bear Cave Lodge Safety Zone Nov 17/2017



## **! 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.

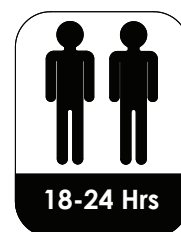
OBSTACLE FREE SAFETY ZONE - **40'10" x 27'10"** area requires Protective Surfacing. See page 3.

MAXIMUM VERTICAL FALL HEIGHT - **6'9"**

CAPACITY - **21** 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.

Warning. Only for domestic use.



**18-24 Hrs**

**Two person  
assembly**



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For online parts replacement visit  
<https://parts.kidkraft.eu/>

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

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Rev 06/28/2019

## 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 2m 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/SHARP EDGES & POINTS

Adult assembly required. This product contains small parts and parts with sharp edges and points. Keep parts away from children until fully assembled.

#### WARNING LABEL

Owners shall be responsible for maintaining the legibility of the warning labels.

#### 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.

Never add extra length to chain or rope. The chains or ropes provided are the maximum length designed for the swinging element(s).



## 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.
- ✓ Orientate slide such that it gets the least amount of exposure to the sun.
- ✗ Do not allow children to wear open toe or heel footwear like sandals, flip-flops or clogs.
- ✗ Do not allow children to walk, in front, between, behind or close to moving rides.
- ✗ Do not let children twist swing chains or ropes or loop them over the top support bar. This may reduce the strength of the chain or rope and cause premature failure.
- ✗ Do not let children get off rides while they are in motion.
- ✗ Do not permit climbing on equipment when it is wet.
- ✗ Do not permit rough play or use of equipment in a manner for which it was not intended. Standing on or jumping from the roof, elevated platforms, swings, climbers, ladders or slide can be dangerous.
- ✗ Do not allow children to swing empty rides or seats.
- ✗ Do not allow children to go down slide head first or run up slide.



# ! Protective Surfacing - Reducing Risk of Serious Head Injury From Falls

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

## Loose-Fill Materials

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

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

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

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

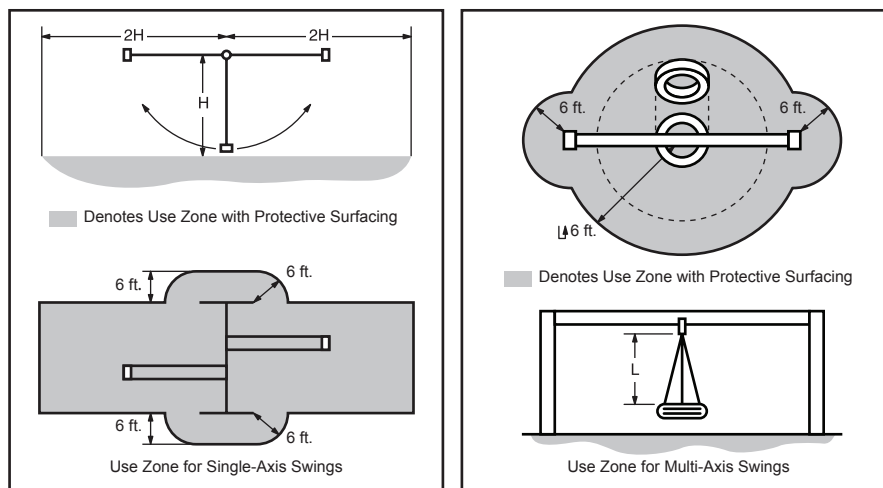
You may be interested in using surfacing other than loose-fill materials - like rubber tiles or poured-in-place surfaces.

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

## Placement

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

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



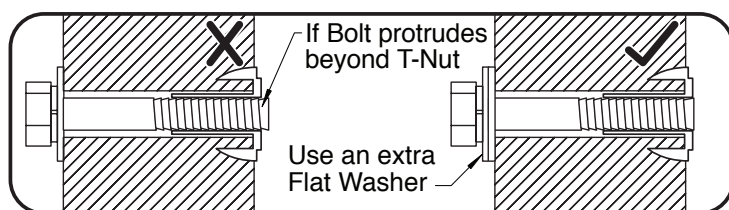
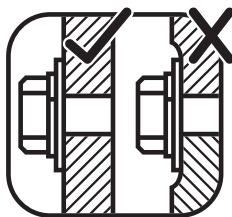
# Instructions for Proper Maintenance

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

## Check the following at the beginning of the play season:

### HARDWARE:

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



### SHOCK ABSORBING SURFACING:

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

### GROUND STAKES (ANCHORS):

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

### SWING HANGERS:

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

### SWINGS, ROPES AND RIDES:

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

### WOOD PARTS:

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

## Check twice a month during play season:

### HARDWARE:

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

### SHOCK ABSORBING SURFACING:

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

## Check once a month during play season:

### SWING HANGERS:

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

### SWINGS AND RIDES:

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

## Check at the end of the play season:

### SWINGS AND RIDES:

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

### SHOCK ABSORBING SURFACING:

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

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

## About Our Wood

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

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

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

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

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

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

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

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

## 5 Year Limited Warranty

KidKraft 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 5 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.

KidKraft 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.

Kidkraft 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 KidKraft 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.

KidKraft 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.



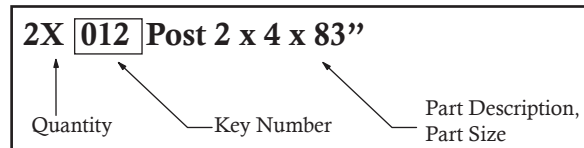
# Keys to Assembly Success

## Tools Required

<ul style="list-style-type: none"> <li>• Tape Measure</li> <li>• Carpenters Level</li> <li>• Carpenters Square</li> <li>• Claw Hammer</li> <li>• Standard or Cordless Drill</li> </ul>	<ul style="list-style-type: none"> <li>• #1 Phillips, #2 Robertson and Screwdriver</li> <li>• Ratchet with extension (1/2" &amp; 9/16" sockets)</li> </ul>	<ul style="list-style-type: none"> <li>• Open End Wrench (1/2" &amp; 9/16")</li> <li>• Adjustable Wrench</li> <li>• 1/8" &amp; 3/16" Drill Bits</li> </ul>	<ul style="list-style-type: none"> <li>• 3/16" Hex Key</li> <li>• 8' Step Ladder</li> <li>• Safety Glasses</li> <li>• Adult Helpers</li> <li>• Pencil</li> </ul>
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## Part Identification Key

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



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

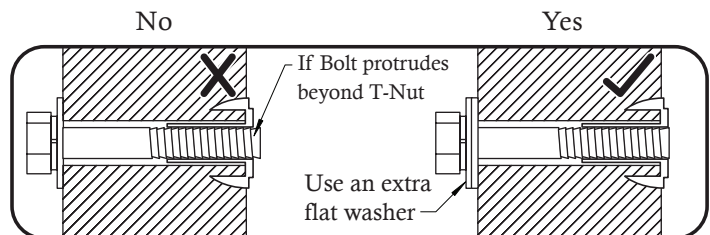
## Symbols

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

<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>Measure Distance</p>	<p>Check that assembly is square before tightening bolts.</p>	<p>Square Assembly</p>
<p>Pre-drill 1/8" &amp; 3/16" Bit</p> <p>Pre-drill a pilot hole before fastening screw or lag to prevent splitting of wood.</p>		<p>Tighten Bolts</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>

## CAUTION – Protrusion Hazard

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

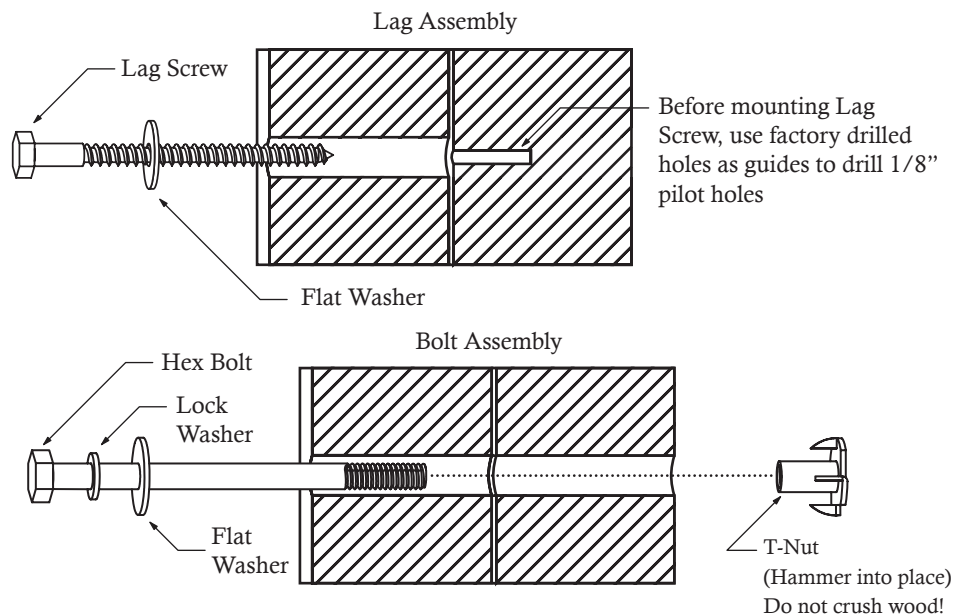


## Proper Hardware Assembly

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

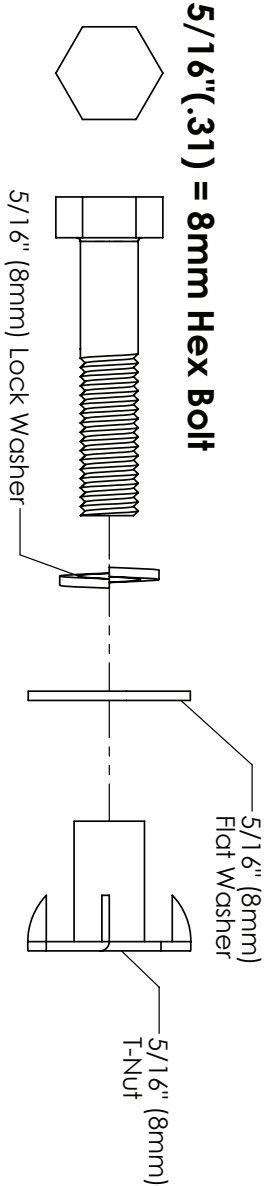
For bolts, tap T-Nut into hole with hammer. Insert the hex bolt through lock washer first then flat washer then hole. Because the assemblies need to be squared do not completely tighten until instructed. Pay close attention to diameter of the bolts. 5/16" is slightly larger than 1/4".

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



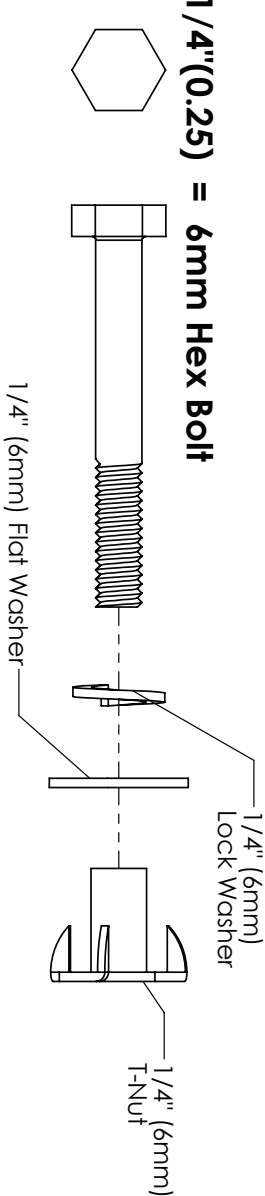
# KIDKRAFT DESIGN HARDWARE

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



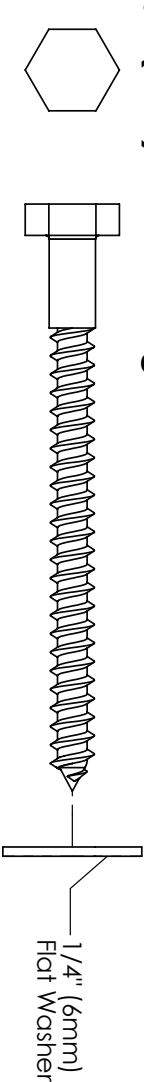
5/16" (8mm) Lock Washer

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

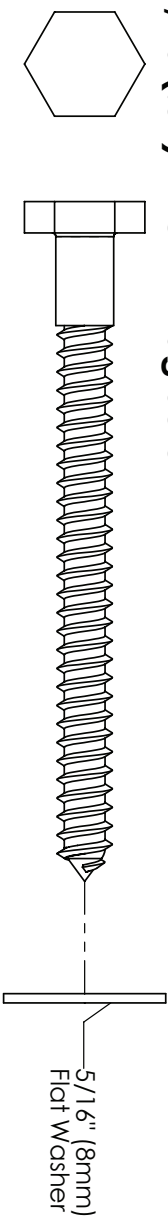


1/4" (6mm) Flat Washer

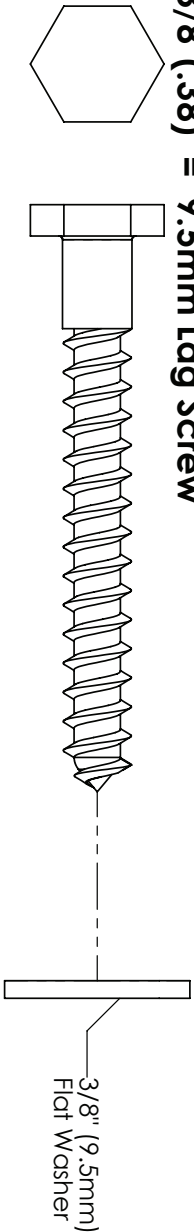
**1/4"(0.25) = 6mm Lag Screw**



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



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



**HARDWARE LENGTH CHART**  
inches vs millimetres

6	152
5½	140
5	127
4½	114
4	102
3½	89
3	76
2½	64
2	51
1½	38
1¼	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

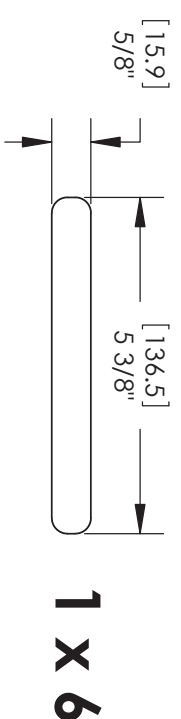
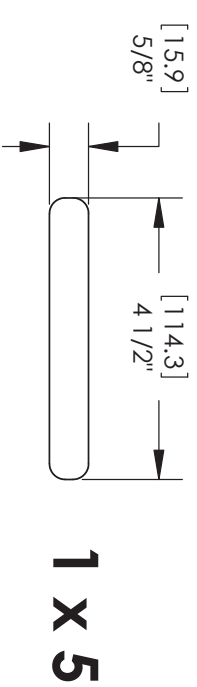
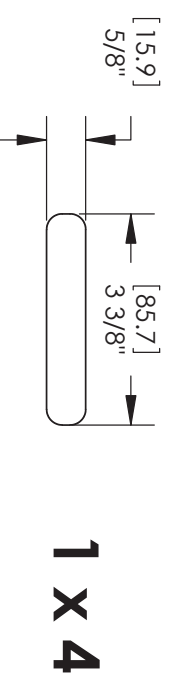
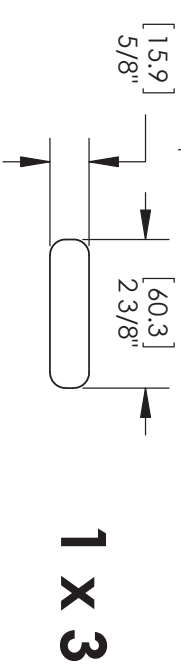
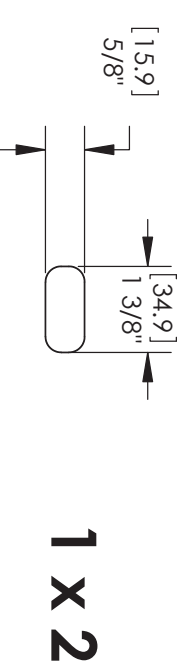
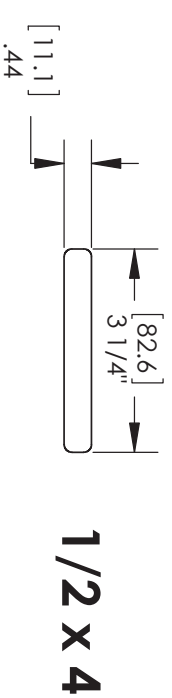
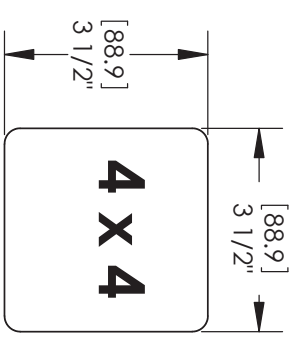
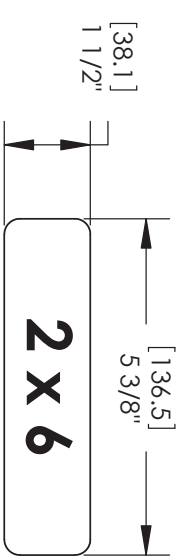
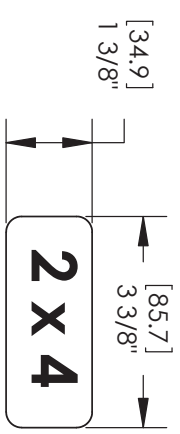
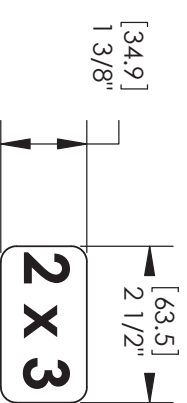
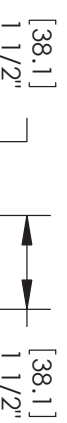
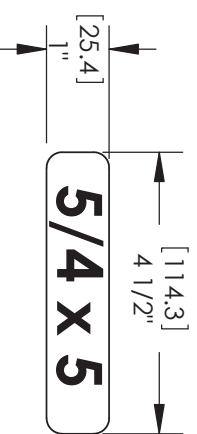
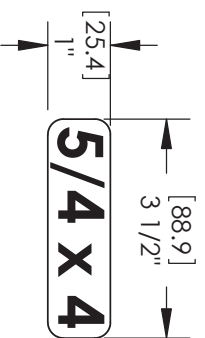
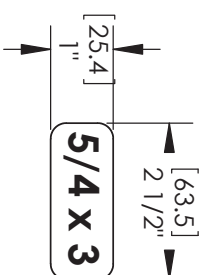
1 inch = 25.4mm

**For example:**

BOLT LENGTH 4½ (4.5) inches long

4.5 inches x 25.4mm = 114mm long

# KIDKRAFT DESIGN WOOD PROFILES



## LENGTH CONVERSION

[1 inch = 25.4mm]

**For example:**

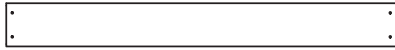
BOARD LENGTH 59 1/4 (59.25) inches

59.25 inches x 25.4mm = 1505mm

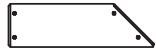


# ADD ON M Parts I.D.

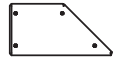
(5) **[2609]** - 1 x 5 x 40-5/8" - Floor Board - **3632609**



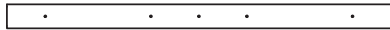
(4) **[2790]** - 1 x 5 x 15½" - Transom Board A - **3632790**



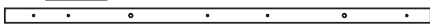
(4) **[2791]** - 1 x 6 x 11" - Transom Board B - **3632791**



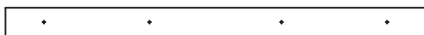
(4) **[2789]** - 5/4 x 3 x 40 - Short Wall Tie - **3632789**



(2) **[2794]** - 2 x 2 x 44-3/8" - Joist - **3632794**



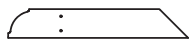
(2) **[2792]** - 1-1/4 x 3 x 43-3/4" - Ground Brace - **3632792**



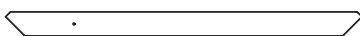
(1) **[2795]** - 1-1/4 x 3 x 84-3/4" - Long Joist - **3632795**



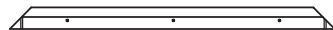
(4) **[2793]** - 1-1/4 x 3 x 18-3/4" - Long Roof End - **3632793**



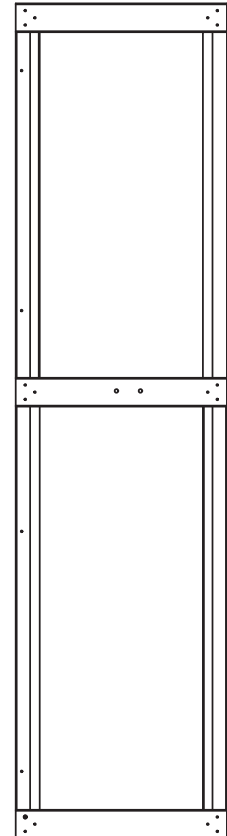
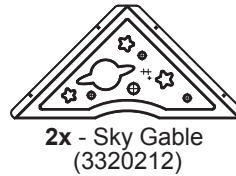
(4) **[2788]** - 1-1/4 x 2-1/2 x 37-1/8" - Mid Roof Support - **3632788**



(2) **[2680]** - 1-1/4 x 2-1/4 x 34.10" - Roof Support - **3632680**



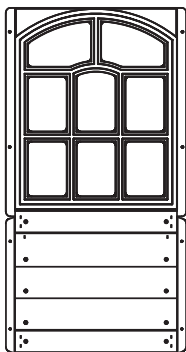
(2) **[2684]** - 1-1/4 x 4-7/8 x 7" - Mid Roof End - **3632684**



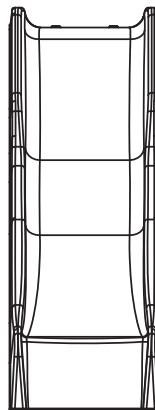
**2pc. - [2677]**  
**Narrow Panel 1¼ x 22 x 87"**  
**37632677**

**3pc. - [2655]**

**Upper Window Insert 1.27 x 18.8 x 35.86"**  
**37632655**



**(2) 48" High Rail Slide**  
**3310148**



**1x - ADD ON C Bracket Set (3204910)**

**1x - Narrow Angle Bracket (3 Pk)**  
(3200640)

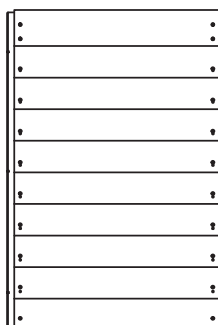
**1x - Flat Panel Bracket (4 Pk)**  
(3200641)



**1x - Spiral Wave Bracket (2PK)**  
(3201500)

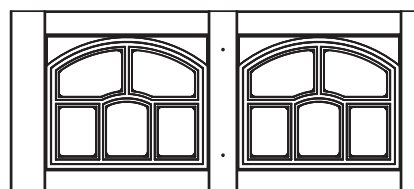
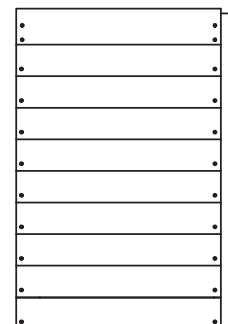
**1pc. - [2671]**

**Back Small Roof 1¼ x 22-9/16 x 33-3/8"**  
**37632671**



**1pc. - [2672]**

**Front Small Roof 1¼ x 22-9/16 x 33-5/8"**  
**37632672**



**2pc. - [2802] Transom Window**  
**1¼ x 19 x 43"**  
**37632802**

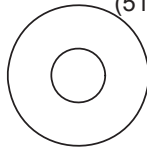
# Hardware Identification (Actual Size)

## Add On M Hardware

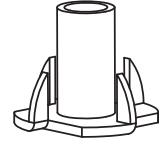
2pc. **LW1** - 1/4" Lock Washer  
(51303200)



2pc. **FW1** - 1/4" Flat Washer  
(51103200)



2pc. **TN1** - 1/4" T - Nut  
(54503200)



65pc. **S2** - Wood Screw #8 x 1-1/2" - (52043512)



45pc. **S11** - Wood Screw #8 x 2" - (52043520)



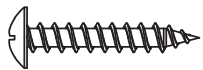
31pc. **S3** - Wood Screw #8 x 2-1/2" - (52043522)



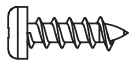
12pc. **S4** - Wood Screw #8 x 3" - (52043530)



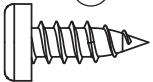
41pc. **S0** - Truss Screw #8 x 7/8" - (52933505)



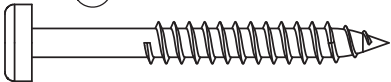
8pc. **S5** - Pan Screw #8 x 1/2" - (9264504)



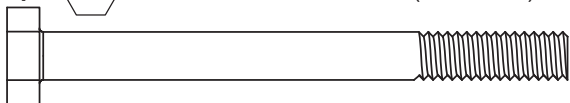
22pc. **S8** - Pan Screw #12 x 3/4" - (52433603)



3pc. **S7** - Pan Screw #12 x 2" - (52433620)



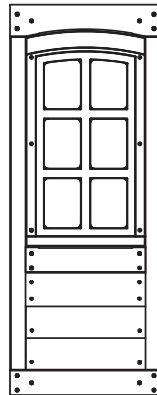
2pc. **H11** - Hex Bolt 1/4 x 2-3/4" - (53703223)



## Part Identification (Reduced Part Size)

## Add On B Part & Hardware

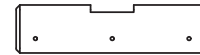
**2709**



(1) Door Window Panel  
1¼ x 15¾ x 40¾" 37602709B

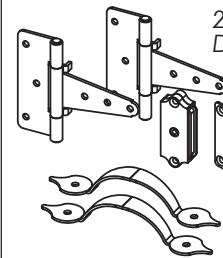
(1) Door Stop 5/4 x 3 x 10"

**2715**



3632715

**1x - Door Hardware (3201710)**



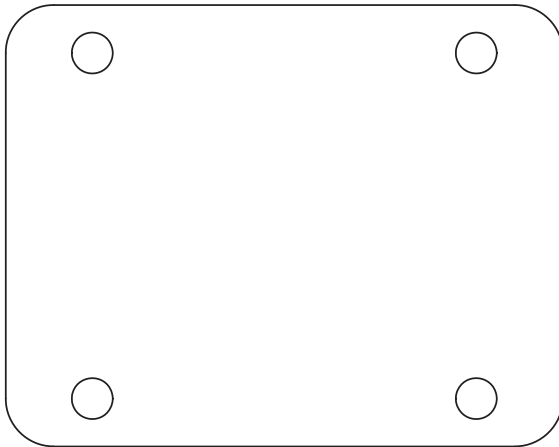
2x 9201713  
Door Hinge

9207713  
Door Catch

1x Magnetic Catch  
1x Catch Plate

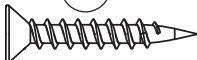
2x 9207711  
Door Handle

## Part Identification (Actual Part Size)



(1) Jamb Mount -2 PK (3206301)

4pc. **(S18)** - Wood Screw #6 x 1" - (52013910)



17pc. **(S0)** - Truss Screw #8 x 7/8" - (52933505)



3pc. **(S11)** - Wood Screw #8 x 2" - (52043520)



16pc. **(S13)** - Pan Screw #6 x 5/8" - (52413908)





# ADD ON C Parts (Reduced Part Size)

Nominal Size	Actual Size
2 x 2	1-1/2 x 1-1/2
1 x 2	1 x 2
1 x 5	5/8 x 4-1/2
1 x 6	5/8 x 5-3/8
1-1/4 x 3	1-1/4 x 3
1-1/4 x 2-1/4	1-1/4 x 2-1/4
1-1/4 x 4-7/8	1-1/4 x 4-7/8

2pc. - [5536] - 5/8 x 2 x 6-3/4" - Counter Side - 38045536

1pc. - [2686] - 5/8 x 2-3/4 x 40-5/8" - Counter Front - 3632686

2pc. - [2716] - 1 x 4 x 17-5/8" - Counter Mid Top - 3632716

1pc. - [2687] - 1 x 4 x 40-5/8" - Counter Back - 3632687

1pc. - [2685] - 1 x 4 x 40-5/8" - Counter Top - 3632685

5pc. - [2609] - 1 x 5 x 40-5/8" - Floor Board - 3632609

2pc. - [6136] - 1 x 2 x 12-9/16" - Counter Brace  
38046136

4pc. - [5736] - 1 x 2 x 8 1/4" - Counter Joist  
38045736

2pc. - [2683] - 5/4 x 3 x 62-5/8" - Wall Tie 3632683

2pc. - [2682] - 2 x 2 x 22-1/8" - Short Side Joist - 3632682

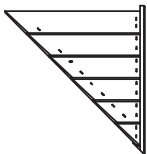
2pc. - [2680] - 1-1/4 x 2-1/4 x 34.10" - Roof Support - 3632680

1pc. - [2688] - Dormer Cleat 1 1/4 x 3 x 12 3/4" - 3632688

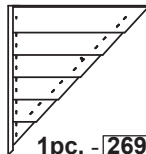
1pc. - [2608] - 1-1/4 x 3 x 40-3/4" - Floor Joist - 3632608

1pc. - [2681] - 1-1/4 x 3 x 62-5/8" - Long Floor Joist - 3632681

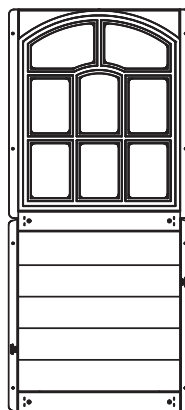
2pc. - [2684] - 1-1/4 x 4-7/8 x 7" - Mid Roof End - 3632684



1pc. - [2689]  
Gable Dormer Lt 1 1/4 x 14.6 x 22"  
37632689

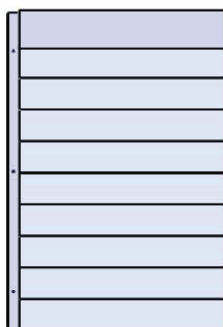


1pc. - [2699]  
Gable Dormer Rt 1 1/4 x 14.6 x 22"  
37632699

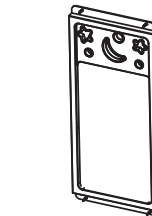
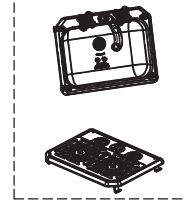


1pc. - [2649]  
Lower Window Insert  
1.27 x 18.8 x 41.91"  
37632649

1pc. - [2671]  
Back Small Roof 1 1/4 x 22-9/16 x 33-3/8"  
37632671



1x - Deluxe Kitchen Set  
(3320969)



1x - Sky Chalk Wall  
(3320217)



1x - Flag and Pole (2pk)  
(3320632)



1x - Sky Gable  
(3320212)

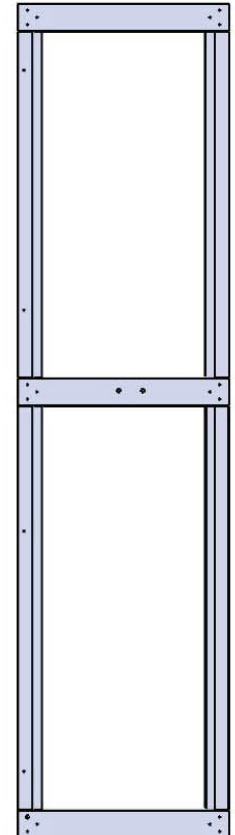
1x - ADD ON C Bracket Set (3204910)



1x - Flat Panel Bracket (4 Pk)  
(3200641)



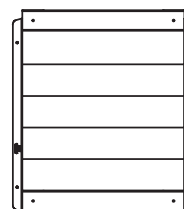
1x - Narrow Angle  
Bracket (3 Pk)  
(3200640)



2pc. - [2677]  
Narrow Panel 1 1/4 x 22 x 87"  
37632677

1pc. - [2672]

Front Small Roof 1 1/4 x 22-9/16 x 33-5/8"  
37632672



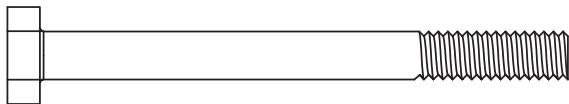
2pc. - [649A]  
Short Half Wall  
1.27 x 18.8 x 20-15/16"  
37632649A



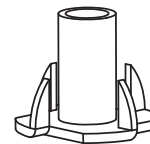
## Part Identification (Actual Part Size)

## Add On C Hardware

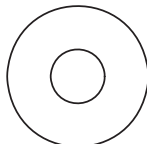
2pc. **(H11)** - Hex Bolt 1/4 x 2-3/4" - (53703223)



2pc. **(TN1)** - 1/4" T - Nut  
(54503200)



2pc. **(FW1)** - 1/4" Flat Washer - (51103200)



2pc. **(LW1)** - 1/4" Lock Washer - (51303200)



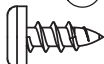
20pc. **(TS)** - Trim Screw #6 x 30mm - (52953911)



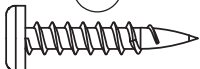
21pc. **(S0)** - Truss Screw #8 x 7/8" - (52933505)



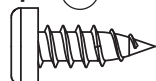
8pc. **(S5)** - Pan Screw #8 x 1/2" - (52433502)



9pc. **(S10)** - Pan Screw #8 x 1"  
- (52433510)



16pc. **(S8)** - Pan Screw #12 x 3/4"  
- (52433603)



44pc. **(S2)** - Wood Screw #8 x 1-1/2" - (52043512)



30pc. **(S11)** - Wood Screw #8 x 2" - (52043520)



12pc. **(S3)** - Wood Screw #8 x 2-1/2" - (52043522)



1pc. **(S4)** - Wood Screw #8 x 3" - (52043530)

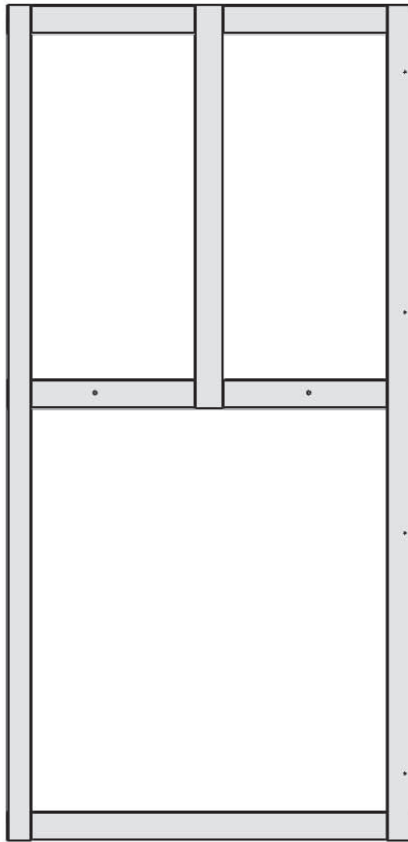




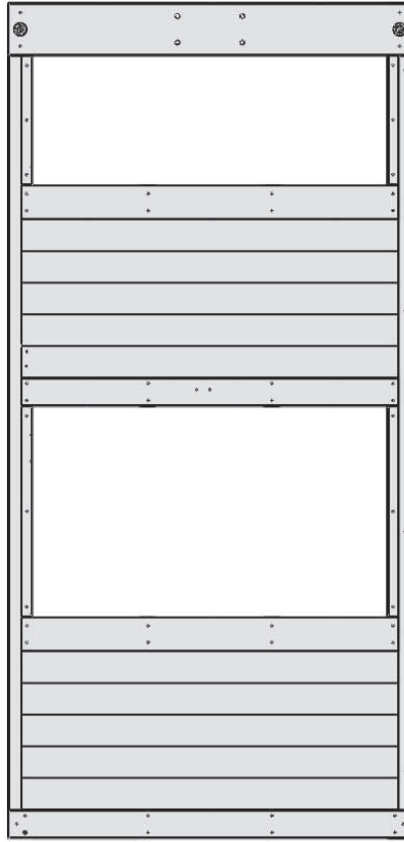


# Part Identification (Reduced Part Size)(Main Clubhouse and Swing)

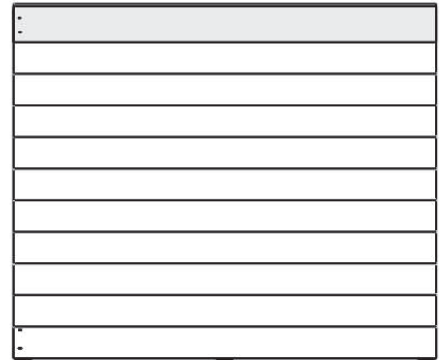
2pc. - [2618] Front Back  
Panel  $1\frac{1}{4} \times 42 \times 87''$   
Box 2 - 37632618



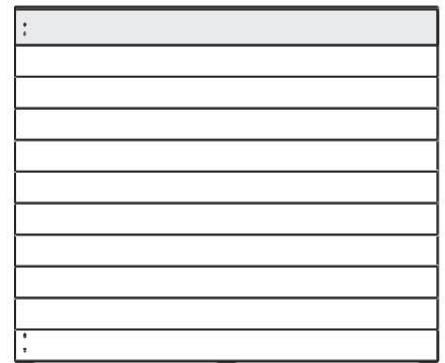
1pc. - [2627]  
SW Wall Panel  $1\frac{1}{4} \times 42 \times 87''$   
Box 2 - 37632627



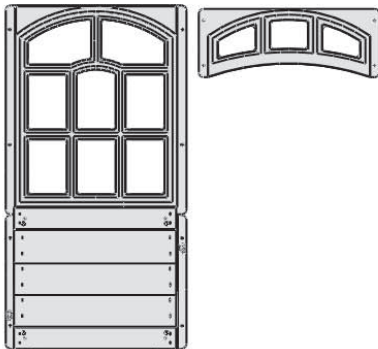
1pc. - [2639]  
Back Roof Panel  $1\frac{1}{4} \times 36\frac{3}{4} \times 44''$   
Box 2 - 37632639



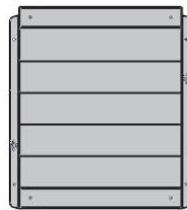
1pc. - [2644]  
Front Roof Panel  $1\frac{1}{4} \times 37 \times 44''$   
Box 2 - 37632644



2pc. - [2655]  
Upper Window Insert  
 $1.27 \times 18.8 \times 35.86''$   
Box 2 - 37632655

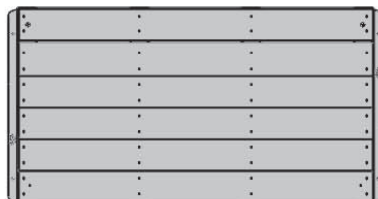


1pc.  
MOD 3 Pane Transom (2Pk)  
Box 1 - 3320138

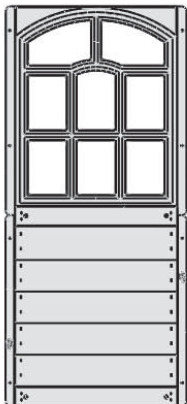


2pc. - [649A]  
Short Half Wall -  $1.27 \times 18.8 \times 20-15/16''$   
Box 2 - 37632649A

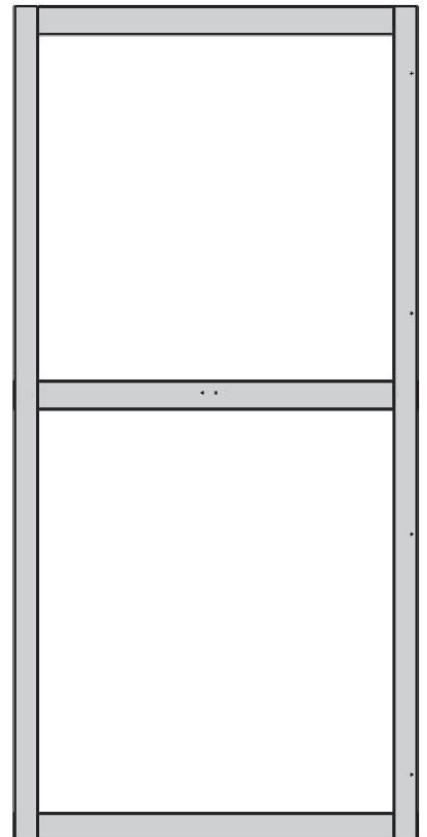
1pc. - [2665]  
Half Wall Insert -  $1.4 \times 20\frac{1}{4} \times 38.8''$   
Box 2 - 37632665



1pc. - [2649]  
Lower Window Insert  
 $1.27 \times 18.8 \times 41.91''$   
Box 2 - 37632649



1pc. - [2622]  
End Panel Assembly  $1\frac{1}{4} \times 42 \times 87''$   
Box 2 - 37632622

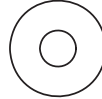


# Hardware Identification (Actual Size) (Main Clubhouse and Swing)

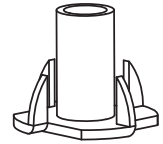
5pc. **LW2** - 5/16" Lock Washer - (51303300)



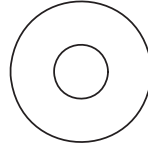
5pc. **FW0** - 3/16" Flat Washer - (51103100)



10pc. **TN1** - 1/4" T - Nut  
(54503200)



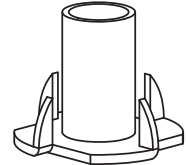
12pc. **FW1** - 1/4" Flat Washer - (51103200)



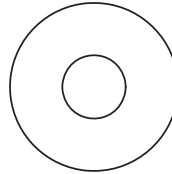
15pc. **LW1** - 1/4" Lock Washer - (51303200)



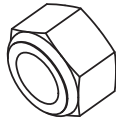
8pc. **TN2** - 5/16" T - Nut - (54503300)



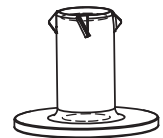
66pc. **FW2** - 5/16" Flat Washer - (51103300)



29pc. **LN2** - 5/16" Lock Nut - (54303300)



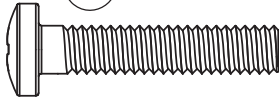
5pc. **BN1** - 1/4" Barrel Nut - (54803200)



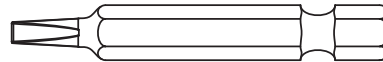
8pc. **FW3** - #8 Flat Washer - (51003500)



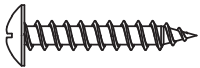
5pc. **PB2** - Pan Bolt 1/4 x 1-1/4"  
- (53433212)



1pc. **D4** - 2 x 2 Robertson Driver Bit - (9200014)



69pc. **S0** - Truss Screw #8 x 7/8" - (52933505)



4pc. **S18** - Wood Screw #6 x 1" - (52013910)



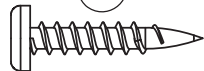
20pc. **S5** - Pan Screw #8 x 1/2" - (52433502)



77pc. **S2** - Wood Screw #8 x 1-1/2" - (52043512)



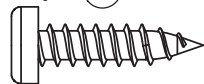
5pc. **S10** - Pan Screw #8 x 1"  
- (52433510)



28pc. **S11** - Wood Screw #8 x 2" - (52043520)



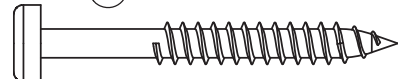
2pc. **S6** - Pan Screw #12 x 1"  
- (52433610)



14pc. **S3** - Wood Screw #8 x 2-1/2" - (52043522)



13pc. **S7** - Pan Screw #12 x 2" - (52433620)

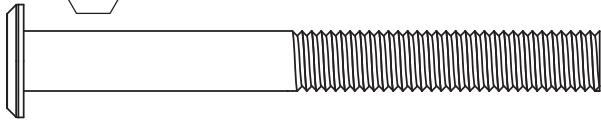


12pc. **S4** - Wood Screw #8 x 3" - (52043530)

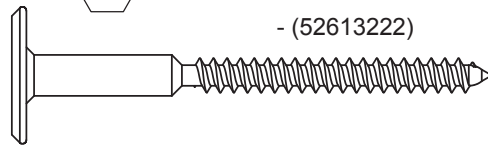


# Hardware Identification (Actual Size) Box 1,2 of 6 (Main Clubhouse and Swing)

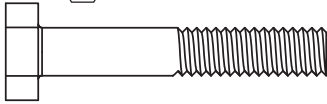
3pc. **WB7** - Wafer Bolt 5/16 x 3" - (53613330)



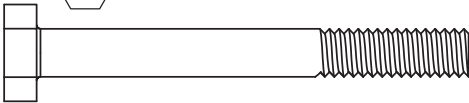
16pc. **WL5** - Wafer Lag 1/4 x 2-1/2" - (52613222)



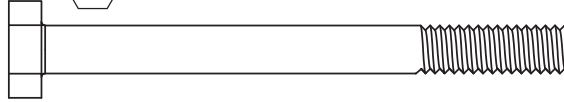
4pc. **H1** - Hex Bolt 1/4 x 1-1/2" - (53703212)



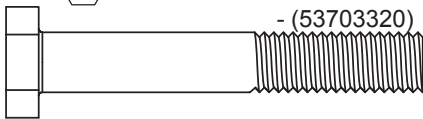
2pc. **H10** - Hex Bolt 1/4 x 2-1/4" - (53703221)



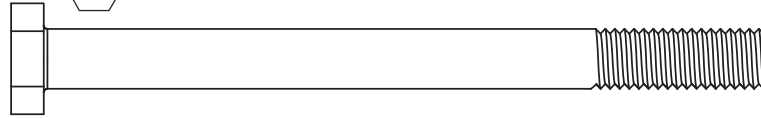
4pc. **H11** - Hex Bolt 1/4 x 2-3/4" - (53703223)



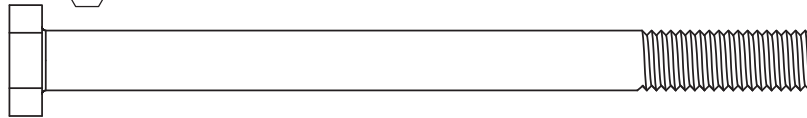
4pc. **G8** - Hex Bolt 5/16 x 2" - (53703320)



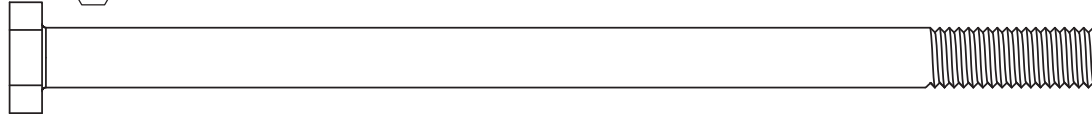
7pc. **G21** - Hex Bolt 5/16 x 3-3/4" - (53703333)



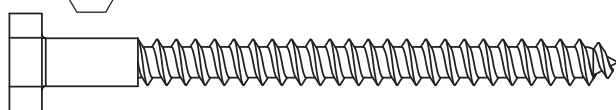
3pc. **G4** - Hex Bolt 5/16 x 4" - (53703340)



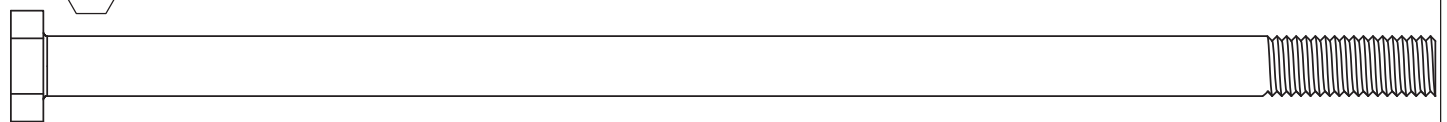
14pc. **G7** - Hex Bolt 5/16 x 5-1/2" - (53703352)



2pc. **LS3** - Lag Screw 1/4 x 3" - (52213230)



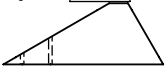
2pc. **G25** - Hex Bolt 5/16 x 7-1/4" - (53703371)



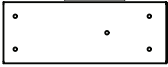
# Adventure Tower

## Part Identification (Reduced Part Size)

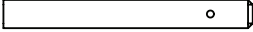
2pc. - **[8834]** - 23.8 x 82.6 x 216mm - Box Gusset FSC - Box 1 - 3638834



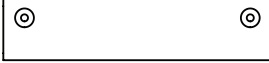
1pc. - **[6005]** - 31.8 x 82.6 x 222.3mm TNR Slide Block - Box 1 - 3636005



2pc. - **[6008]** - 38.1 x 38.1 x 336.6mm Tarp Upright - Box 1 - 3636008



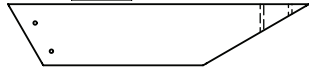
1pc. - **[8832]** - 23.8 x 82.6 x 362mm - Box End - Box 1 - 3638832



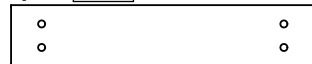
2pc. - **[6006]** - 31.8 x 82.6 x 396.9mm Back Gusset - Box 1 - 3636006



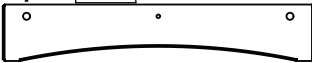
2pc. - **[6001]** - 31.8 x 82.6 x 406.4mm Gusset - Box 1 - 3636001



1pc. - **[6004]** - 23.8 x 82.6 x 409.6mm Box Bottom - Box 1 - 3636004



2pc. - **[0602]** - 15.9 x 76.2 x 420mm Short Trim - Box 1 - 3620602



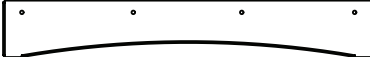
1pc. - **[6014]** - 31.8 x 76.2 x 430.2mm Tunnel Spacer - Box 1 - 3636014



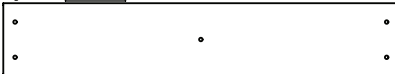
2pc. - **[6015]** - 23.8 x 82.6 x 444.5mm Box Leg - Box 1 - 3636015



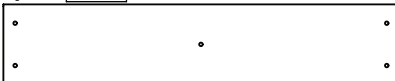
2pc. - **[0601]** - 15.9 x 76.2 x 500mm Side Trim - Box 1 - 3620601



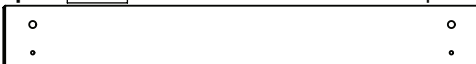
1pc. - **[6042]** - 15.9 x 98 x 533.4mm Narrow Floor Board - Box 1 - 3636042



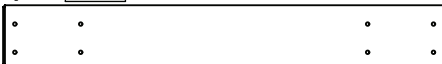
7pc. - **[6013]** - 15.9 x 108 x 533.4mm Floor Board - Box 1 - 3636013



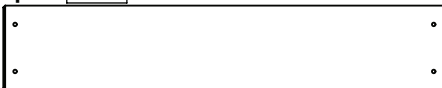
1pc. - **[6028]** - 23.8 x 82.6 x 644.5mm Top Back - Box 1 - 3636028



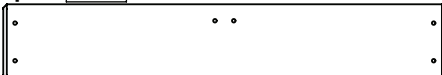
1pc. - **[6027]** - 23.8 x 82.6 x 596.9mm Sand Water Support - Box 1 - 3636027



1pc. - **[6021]** - 15.9 x 114.3 x 596.9mm Back Ground - Box 1 - 3636021



1pc. - **[0600]** - 15.9 X 101.6 X 596.9mm Bottom Trim - Box 1 - 3620600



1pc. - **[0603]** - 15.9 X 82.6 X 644.5mm Top Trim - Box 1 - 3620603



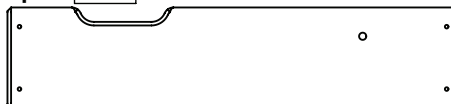
# Adventure Tower

## Part Identification (Reduced Part Size)

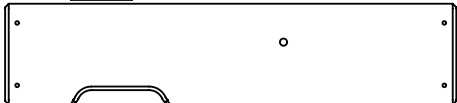
1pc. - **[6019]** - 15.9 x 133.4 x 596.9mm Rock Bottom -  
Box 1 - 3636019



4pc. - **[6010]** - 15.9 x 133.4 x 596.9mm Rock Board A -  
Box 1 - 3636010



5pc. - **[6009]** - 15.9 x 133.4 x 596.9mm Rock Board B -  
Box 1 - 3636009



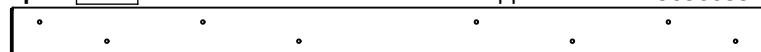
1pc. - **[6034]** - 23.8 x 139.7 x 596.9mm Floor Back -  
Box 1 - 3636034



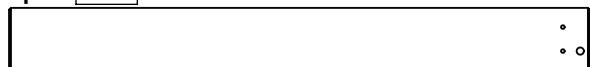
1pc. - **[6022]** - 31.8 x 63.5 x 616mm SL Brace - Box 1 - 3636022



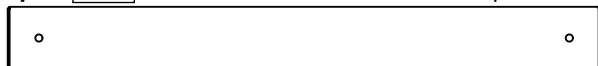
2pc. - **[6033]** - 15.9 x 63.5 x 996.9mm Post Support - Box 1 - 3636033



2pc. - **[6011]** - 23.8 x 82.6 x 768.4mm Box Side - Box 1 - 3636011



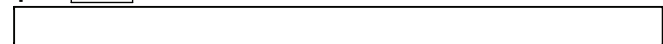
1pc. - **[6029]** - 23.8 x 82.6 x 784.2mm Side Top - Box 1 - 3636029



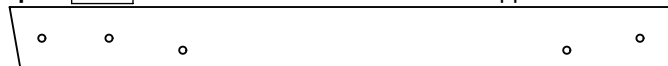
1pc. - **[6030]** - 23.8 x 82.6 x 784.2mm Tunnel Side Top - Box 1 - 3636030



1pc. - **[6003]** - 23.8 x 50.8 x 862.2mm Floor Joist - Box 1 - 3636003



2pc. - **[6017]** - 31.8 x 82.6 x 875.3mm Floor Support - Box 1 - 3636017



1pc. - **[6032]** - 31.8 x 108 x 874mm TNR Wall - Box 1 - 3636032



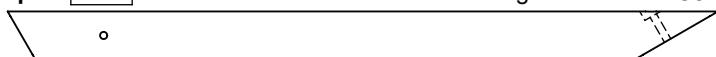
1pc. - **[6025]** - 38.1 x 38.1 x 901.7mm Tarp Support - Box 1 - 3636025



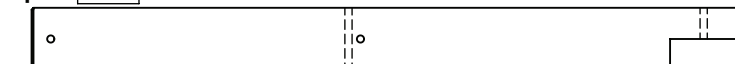
2pc. - **[6024]** - 15.9 x 82.6 x 901.7mm Tarp End - Box 1 - 3636024



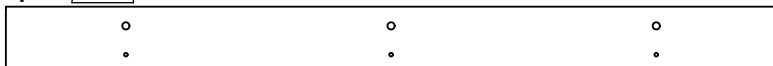
1pc. - **[0369]** - 34.9 x 63.5 x 939.8mm Lower Diagonal - Box 1 - 3640369



2pc. - **[6012]** - 31.8 x 82.6 x 933.6mm Short Post - Box 1 - 3636012



2pc. - **[6023]** - 15.9 x 82.6 x 1019.2mm Roof Side - Box 1 - 3636023



# Adventure Tower

## Part Identification (Reduced Part Size)

4pc. - **[6031]** - 15.9 x 72.6 x 996.9mm Window Brace - Box 1 - 3636031



2pc. - **[6007]** - 31.8 x 76.2 x 1095.4mm Wall Support - Box 1 - 3636007



1pc. - **[6020]** - 15.9 x 114.3 x 1122mm Short Ground - Box 1 - 3636020



2pc. - **[6000]** - 31.8 x 82.6 x 1495.4mm Upper Post - Box 1 - 3636000



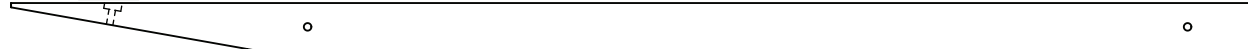
1pc. - **[6018]** - 15.9 x 114.3 x 1576.1mm Long Ground - Box 1 - 3636018



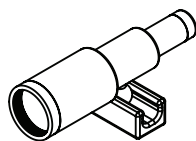
2pc. - **[6002]** - 31.8 x 82.6 x 1968.5mm Long Post - Box 1 - 3636002



2pc. - **[6026]** - 31.8 x 69.9 x 1827mm Rock Rail - Box 1 - 3636026



2x - Steel Hand Grip  
(9200311) - Red



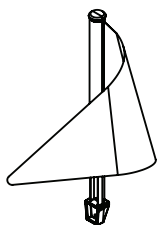
1x - Telescope w/ Mount  
(3320161)



1x - Rebar Ground  
Stake (2 Pk)  
(3200318)



1x - Corner  
Brace (4 Pk)  
(3200164)

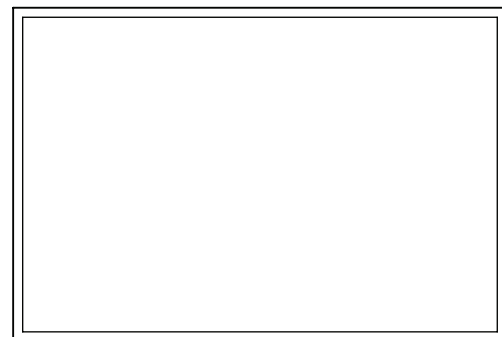
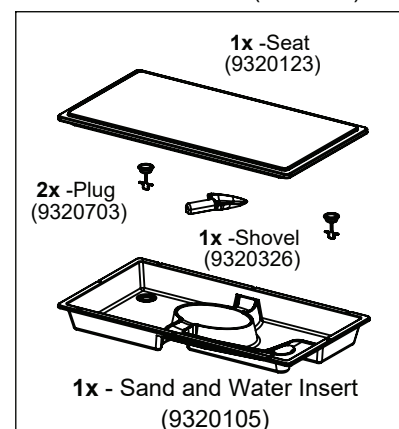


1x - Flag and  
Pole (2 Pk)  
(3320632)



1x - Rocks (9pk) (3320100)  
(Green/Burgundy)

1x -3 in 1 Bench Set (3320123)



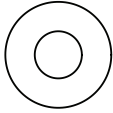
1x - Tower Canopy (3754810)



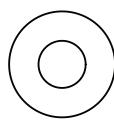
# Adventure Tower

## Hardware Identification (Actual Size)

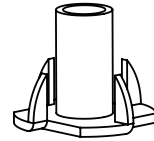
12pc. **FW3** - #8 Flat Washer - (51003500)



13pc. **FW0** - 3/16" Flat Washer - (51103100)



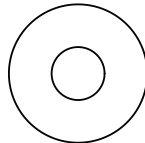
39pc. **TN1** - 1/4" T - Nut -(54503200)



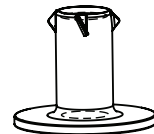
48pc. **LW1** - 1/4" Lock Washer - (51303200)



52pc. **FW1** - 1/4" Flat Washer - (51103200)



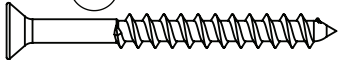
9pc. **BN1** - 1/4" Barrel Nut - (54803200)



154pc. **S20** - Wood Screw #8 x 1-3/8" - (52043516)



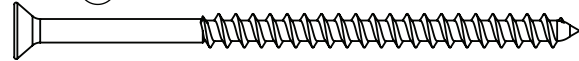
36pc. **S15** - Wood Screw #8 x 1-3/4" - (52043513)



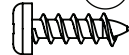
30pc. **S11** - Wood Screw #8 x 2" - (52043520)



16pc. **S4** - Wood Screw #8 x 3" - (52043530)

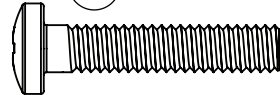


42pc. **S37** - Pan Screw #7 x 5/8" - (52433009)



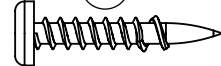
9pc. **PB2** - Pan Bolt 1/4 x 1-1/4"

- (53433212)

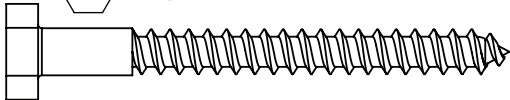


13pc. **S10** - Pan Screw #8 x 1"

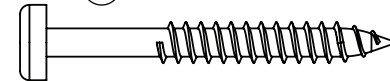
- (52433510)



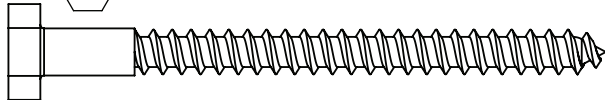
5pc. **LS2** - Lag Screw 1/4 x 2-1/2" - (52213222)



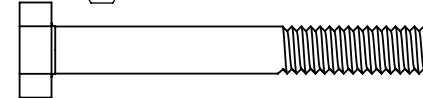
17pc. **S7** - Pan Screw #12 x 2" - (52433620)



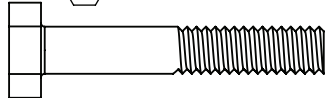
3pc. **LS3** - Lag Screw 1/4 x 3" - (52213230)



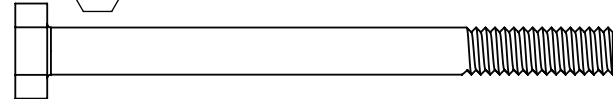
21pc. **H2** - Hex Bolt 1/4 x 2" - (53703220)



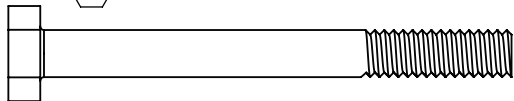
2pc. **H1** - Hex Bolt 1/4 x 1-1/2" - (53703212)



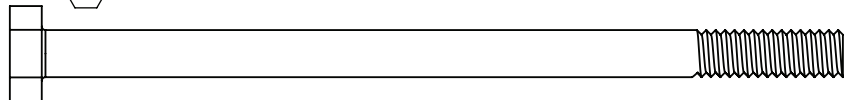
4pc. **H12** - Hex Bolt 1/4 x 3" - (53703230)



10pc. **H3** - Hex Bolt 1/4 x 2-1/2" - (53703222)

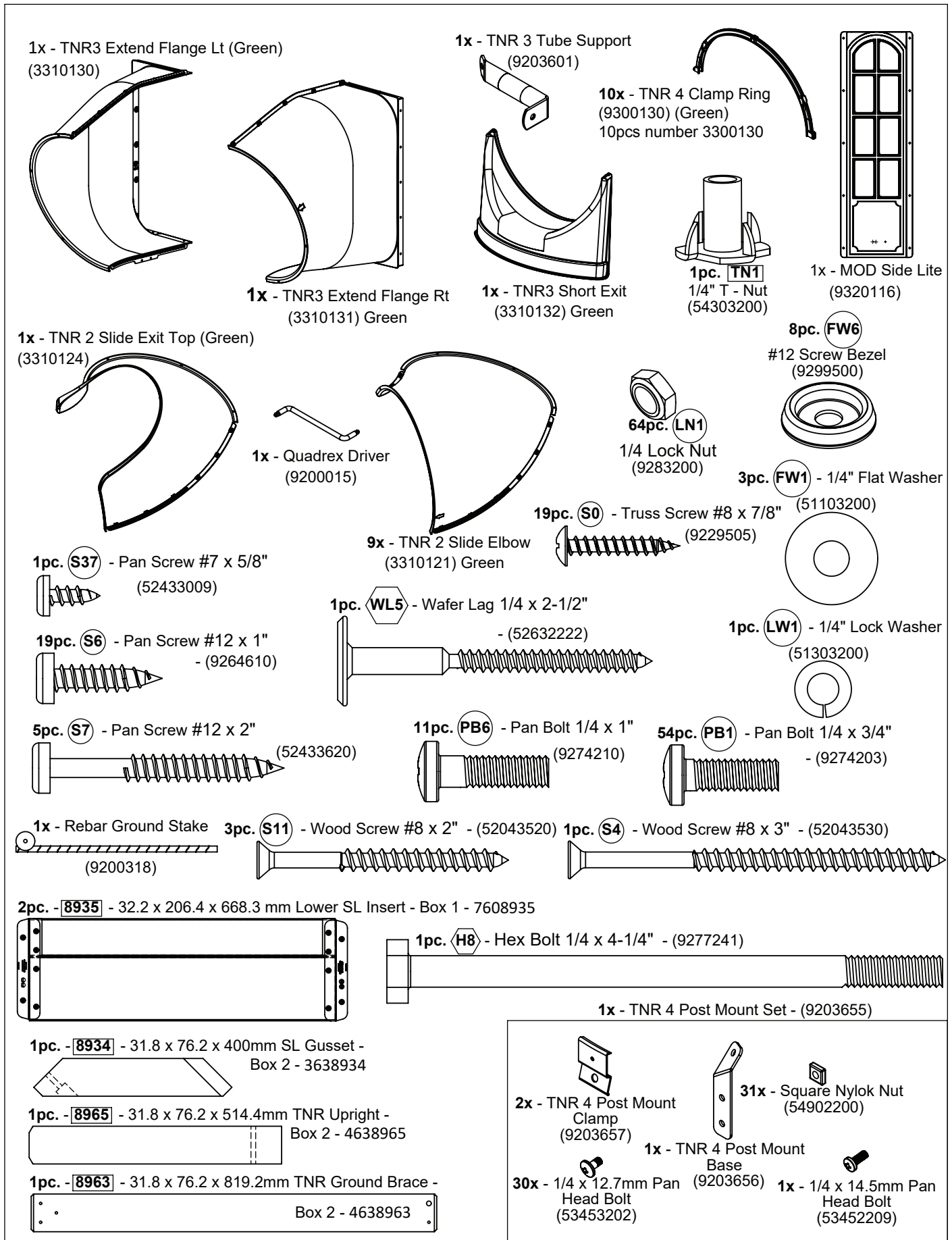


4pc. **H8** - Hex Bolt 1/4 x 4-1/4" - (53703241)



# Twist-N-Ride 4 Slide

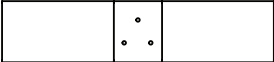
## Part Identification (Reduced Part Size)



# 6' Tunnel & Tire Swing

## Part Identification (Reduced Part Size)

2pc. - **6040** - 31.8 x 82.6 x 367mm Tunnel End - Box 1 - 3636040



1pc. - **9087** - 15.9 x 85.7 x 428.6mm - Floor Board - Box 1 - 3639087



14pc. - **9092** - 15.9 x 114.3 x 428.6mm - Floor Board - Box 1 - 3639092



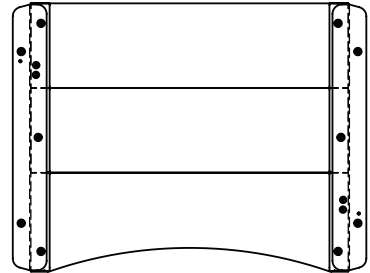
1pc. - **6037** - 29.8 x 120.7 x 428.6mm - Tunnel Top - Box 1 - 3636037



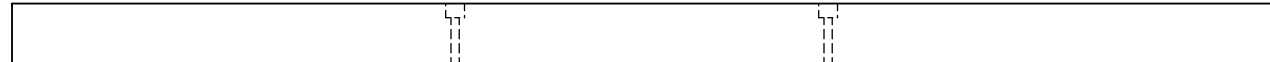
1pc. - **6039** - 32.3 x 203.2 x 477.5mm - Lower Tunnel Insert - Box 1 - 37636039



1pc. - **6038** - 32.3 x 362 x 477.4mm - Upper Tunnel Insert - Box 1 - 37636038



1pc. - **6036** - 63.5 x 82.6 x 1700.2mm - Tire Joist - Box 1 - 3636036

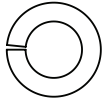


2pc. - **6035** - 31.8 x 82.6 x 1770.1mm - Tunnel Side Joist - Box 1 - 3636035

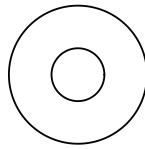


# 6' Tunnel & Tire Swing Hardware Identification (Actual Size)

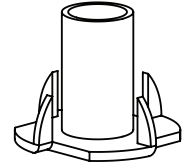
4pc. **LW2** - 5/16" Lock Washer - (51303300)



8pc. **FW1** - 1/4" Flat Washer - (51103200)



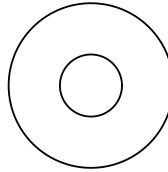
4pc. **TN2** - 5/16" T- Nut - (54503300)



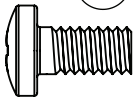
24pc. **LN4** - #12 Lock Nut - (54303600)



4pc. **FW2** - 5/16" Flat Washer - (51103300)



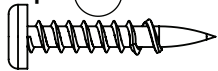
24pc. **MB1** - Pan Bolt #12 x 1/2" - (53433602)



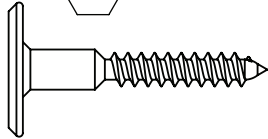
24pc. **S0** - Truss Screw #8 x 7/8" - (52933505)



40pc. **S10** - Pan Screw #8 x 1" - (52433510)



8pc. **WL3** - Wafer Lag 1/4 x 1-3/8" - (52613216)



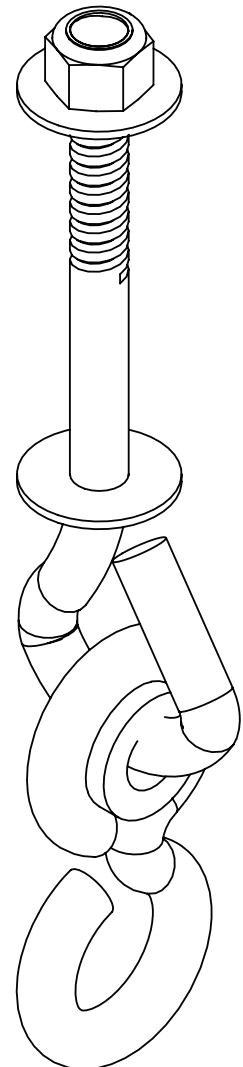
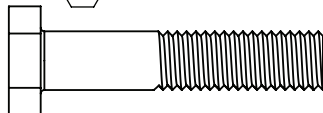
75pc. **S2** - Wood Screw #8 x 1-1/2" - (52043512)



22pc. **S4** - Wood Screw #8 x 3" - (52043530)



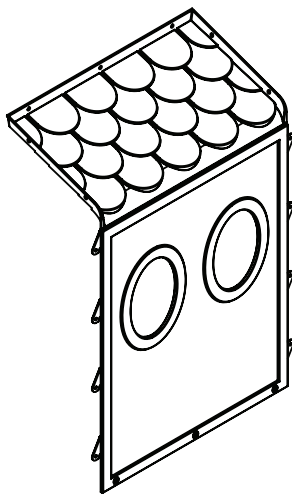
4pc. **G1** - Hex Bolt 5/16 x 1-1/2" - (53703312)



1pc. - 2.75in Swing Bolt Hanger Set (2 Pk)  
(3202023)

# 6' Tunnel & Tire Swing

## Part Identification (Reduced Part Size)



2x - MOD Tunnel Set  
(4Pk) (3330101)

2x - Flat Panel Brkt (2 Pk)  
3200636



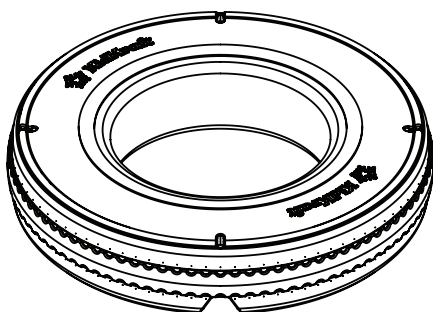
1x - Tire Rope & Chain (4 Pk)  
(3533870)

1x - Swing Brkt Set (4 Pk)  
(3201532)

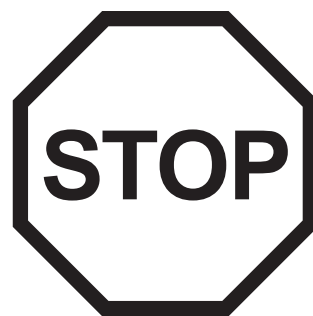
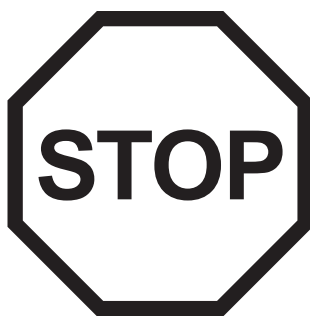
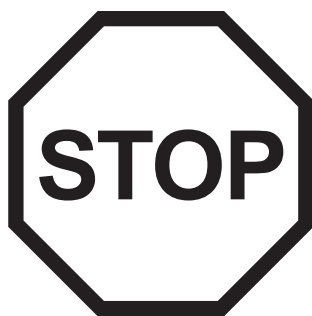


1x - Swing Brkt Set (2 Pk)  
(3201533)

1x - Tire (3320702)

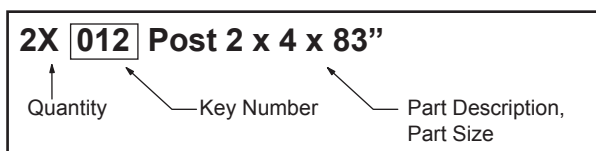


# Step 1: Inventory Parts - Read This Before Starting Assembly



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



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

- Please refer to Page 6 for proper hardware assembly.
  - Each step indicates which bolts and/or screws you will need for assembly, as well as any flat washers, lock washers, t-nuts or lock nuts.
- B.** If there are any missing or damaged pieces or you need assistance with assembly please contact the consumer relations department directly. Call us before going back to the store.

**1.800.933.0771 or 972.385.0100**  
**customerservice@kidkraft.com**  
**canadacustomerservice@kidkraft.com**  
**For online parts replacement visit**  
**<https://parts.kidkraft.com/>**

**+31 20 305 8620**  
**europecustomerservice@KidKraft.com**  
**For online parts replacement visit**  
**<https://parts.kidkraft.eu/>**

- 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 KidKraft ID Plaque (9320374).
  - Please retain this information for future reference. You will need this information if you contact the Consumer Relations Department.

**MODEL NUMBER: F24872**

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)



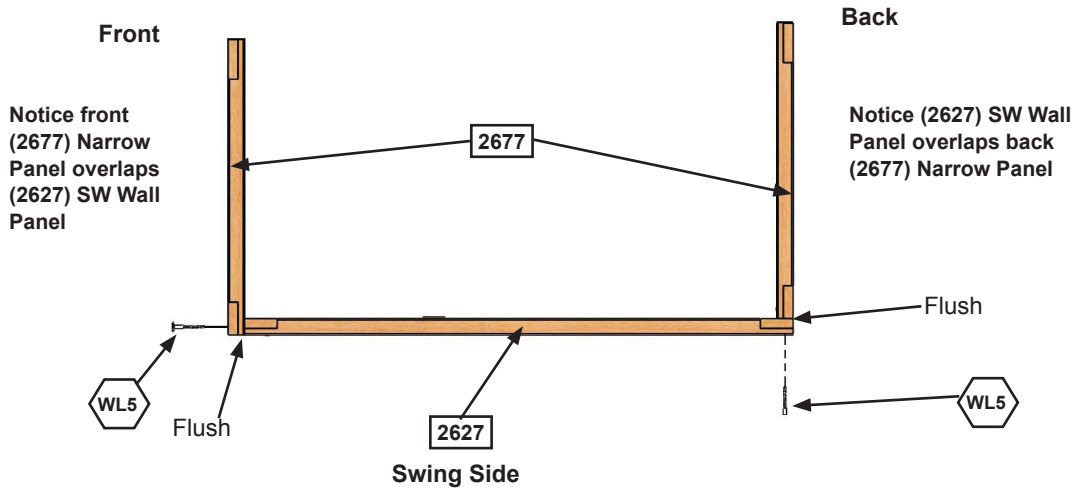
## Step 2: Frame Assembly Part 1



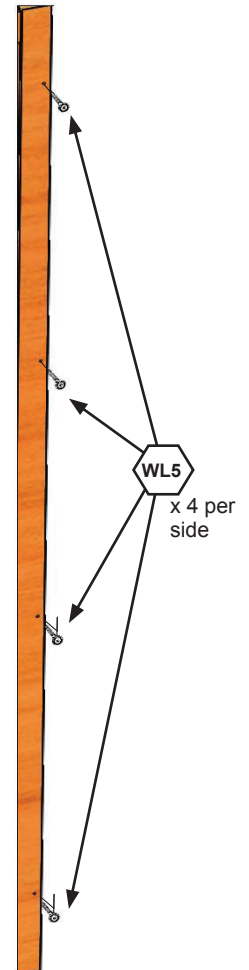
*It is important to assemble the frame on a flat, smooth surface.*

**A:** Place (2627) SW Wall Panel between 2 (2677) Narrow Panels noticing the panel orientations. The tops and bottoms of the panels should be flush. Make sure the panels are square then using the pilot holes as a guide pre-drill with a 3/16" drill bit and fasten the front (2677) Narrow Panel to (2627) SW Wall Panel and (2627) SW Wall Panel to the back (2677) Narrow Panel with 4 (WL5) 1/4 x 2-1/2" Wafer Lags per side. (fig. 2.1, 2.2 and 2.3)

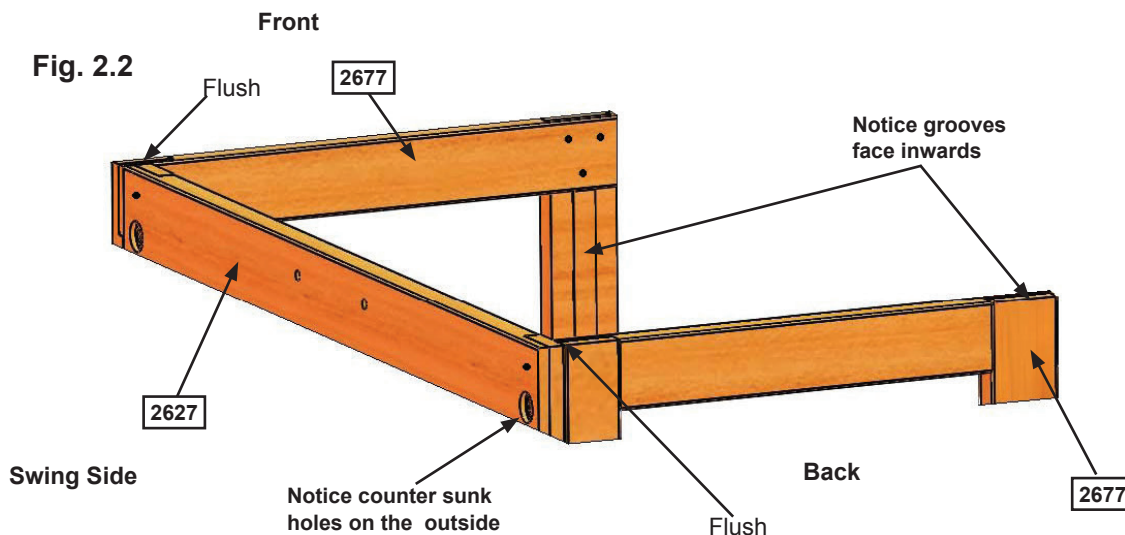
**Fig. 2.1**  
Top View



**Fig. 2.3**



**Fig. 2.2**



### Wood Parts

- 2 x (2677) Narrow Panel 1-1/4 x 22 x 87"
- 1 x (2627) SW Wall Panel 1-1/4 x 42 x 87"

### Hardware

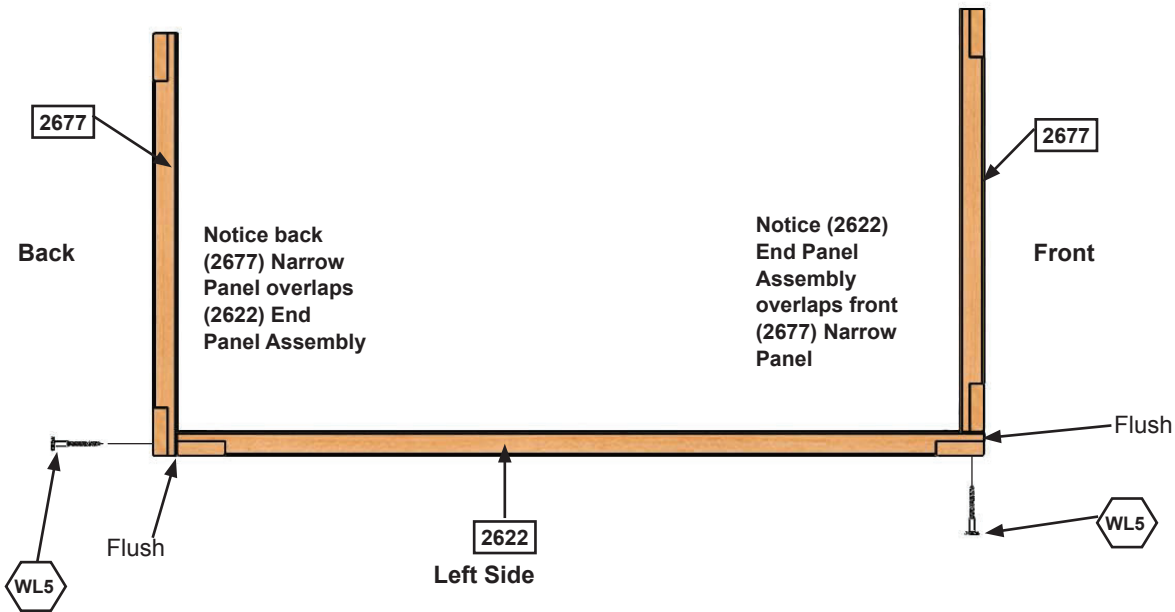
- 8 x (WL5) 1/4 x 2-1/2" Wafer Lag

## Step 2: Frame Assembly Part 2

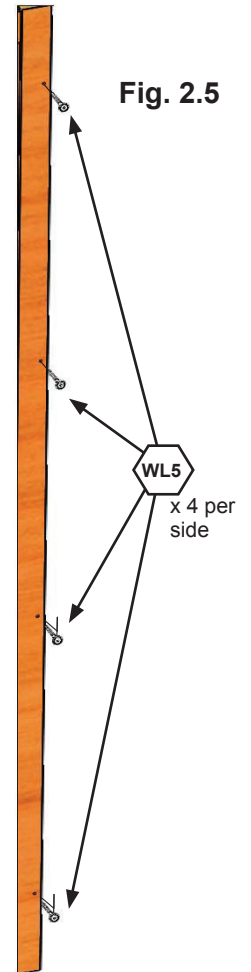


**B:** Place (2622) End Panel Assembly between 2 (2677) Narrow Panels noticing the panel orientations. The tops and bottoms of the panels should be flush. Make sure the panels are square then using the pilot holes as a guide pre-drill with a 3/16" drill bit and fasten the back (2677) Narrow Panel to (2622) End Panel Assembly and (2622) End Panel Assembly to the front (2677) Narrow Panel with 4 (WL5) 1/4 x 2-1/2" Wafer Lags per side. (fig. 2.4, 2.5 and 2.6)

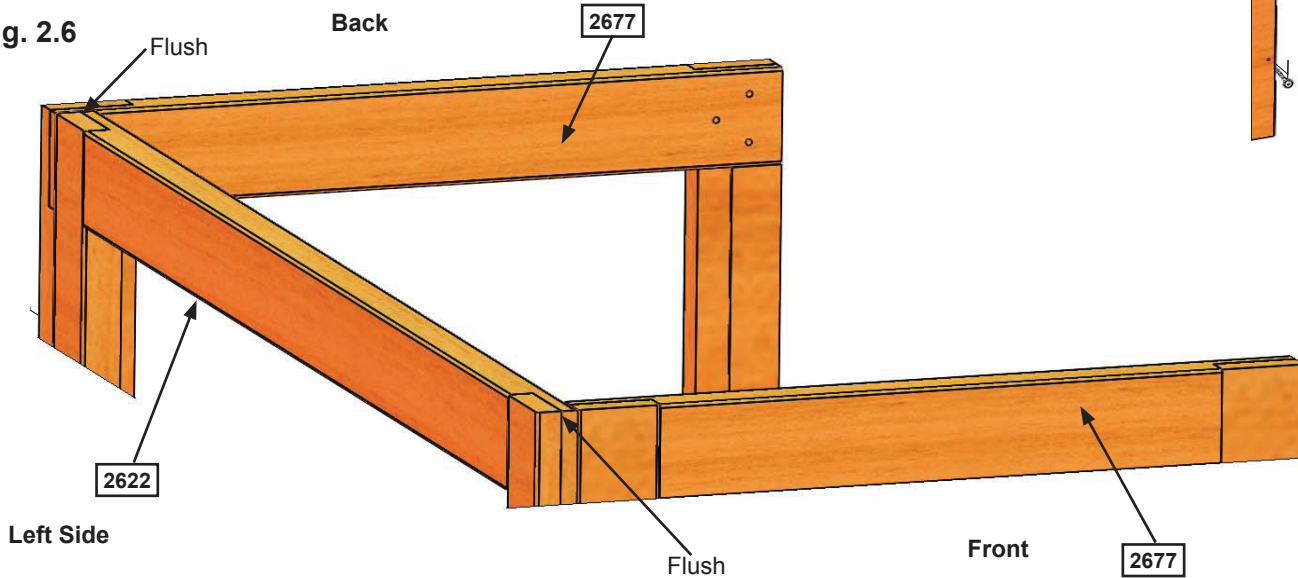
**Fig. 2.4**  
Top View



**Fig. 2.5**



**Fig. 2.6**



### Wood Parts

- 1 x (2622) End Panel Assembly 1-1/4 x 42 x 87"
- 2 x (2677) Narrow Panel 1-1/4 x 22 x 87"

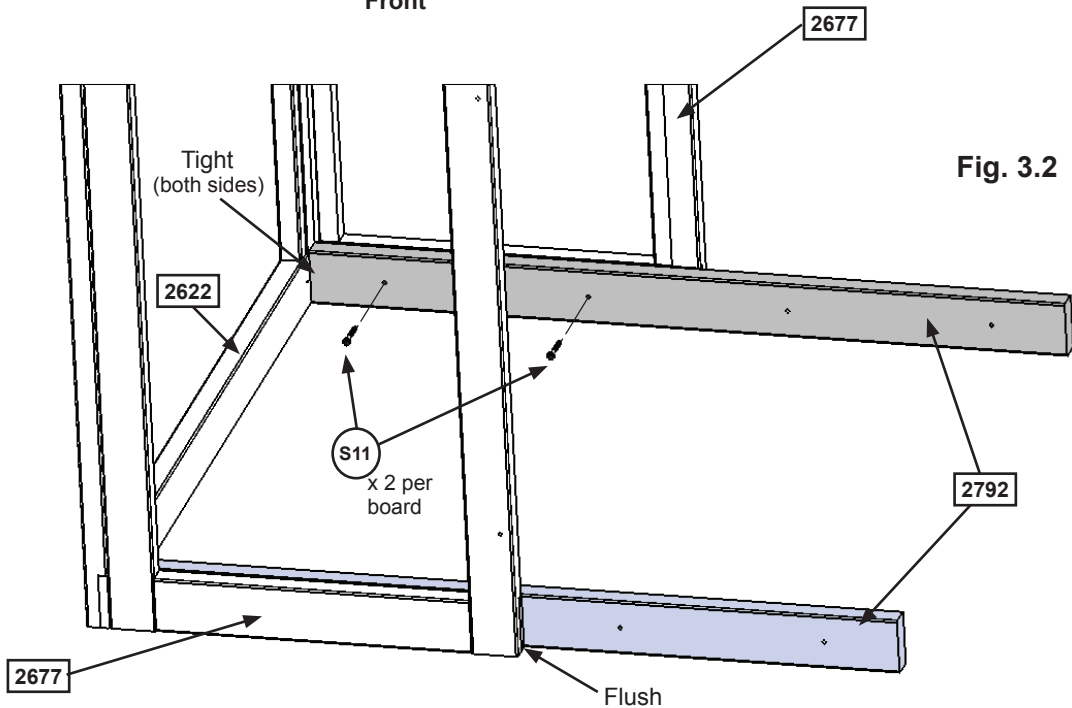
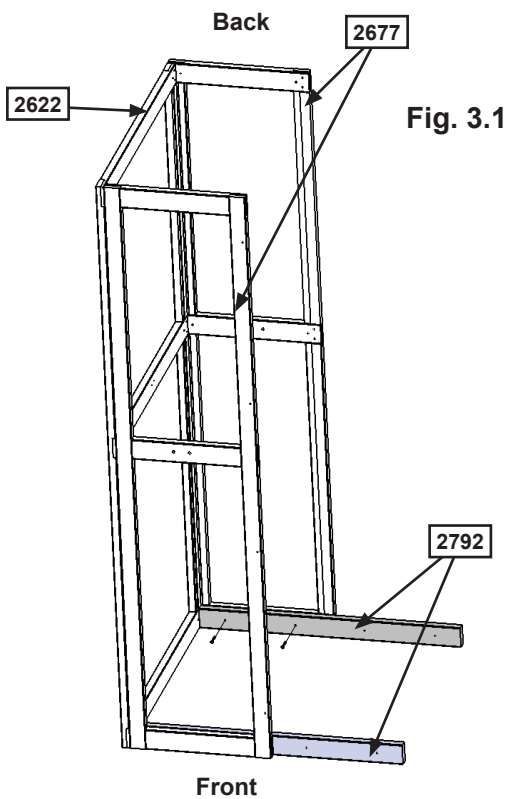
### Hardware

- 8 x (WL5) 1/4 x 2-1/2" Wafer Lag

# Step 3: Join Frame Assemblies

## Part 1

**A:** Tight to the inside of the (2622) End Panel Assembly and flush to the bottom of the panels attach 1 (2792) Ground Brace to each (2677) Narrow Panel with 2 (S11) #8 x 2" Wood Screws per board. (fig. 3.1 and 3.2)



**Wood Parts**

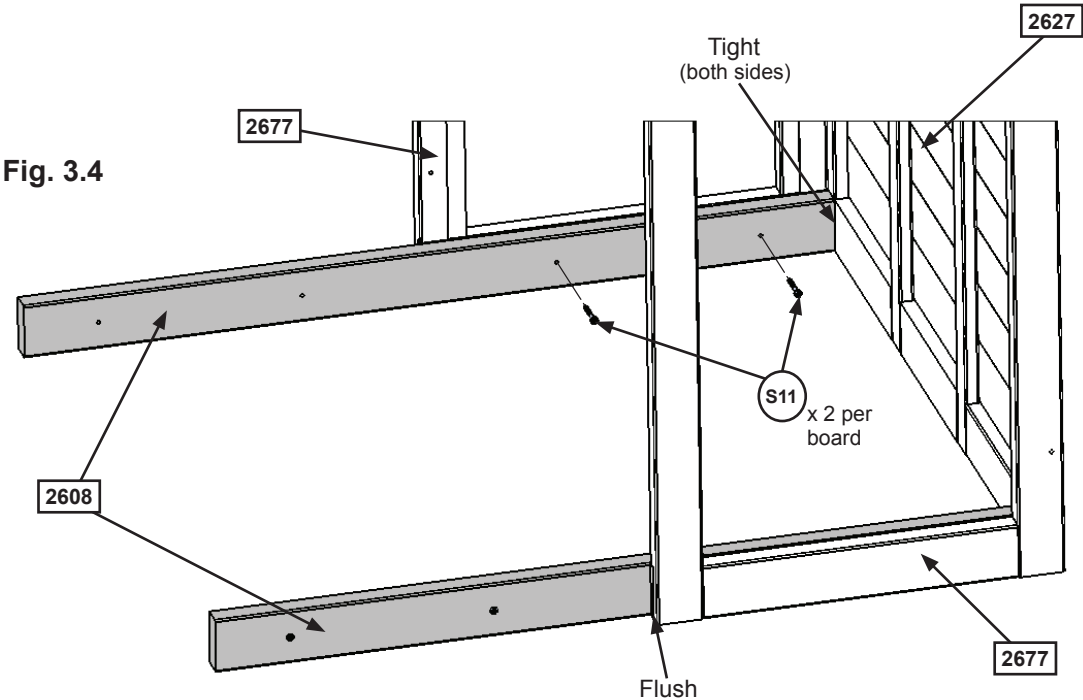
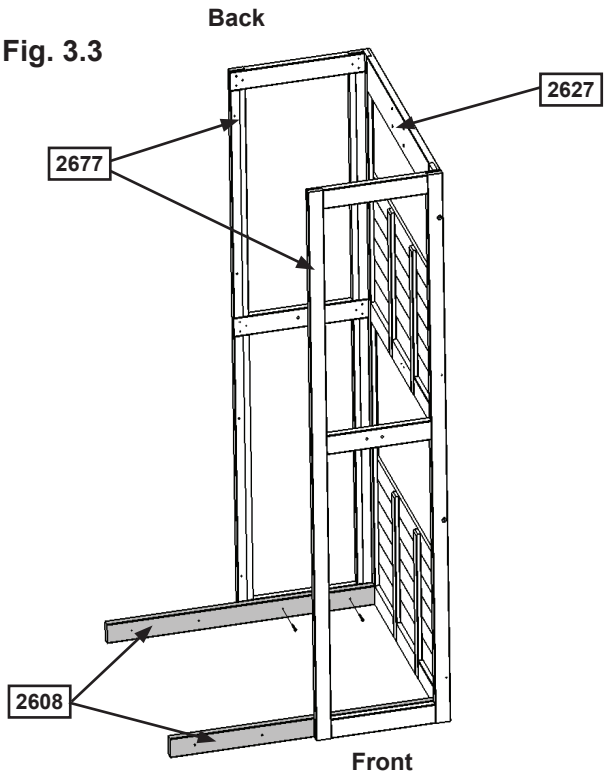
2 x 2792 Ground Brace 1-1/4 x 3 x 43-3/4"

**Hardware**

4 x S11 #8 x 2" Wood Screw

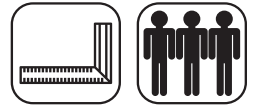
# Step 3: Join Frame Assemblies Part 2

**B:** Tight to the inside of the (2627) SW Wall Panel and flush to the bottom of the panels attach 1 (2608) Floor Joist to each (2677) Narrow Panel with 2 (S11) #8 x 2" Wood Screws per board. (fig. 3.3 and 3.4)



Wood Parts	Hardware
2 x 2608 Floor Joist 1-1/4 x 3 x 40-3/4"	4 x S11 #8 x2" Wood Screw

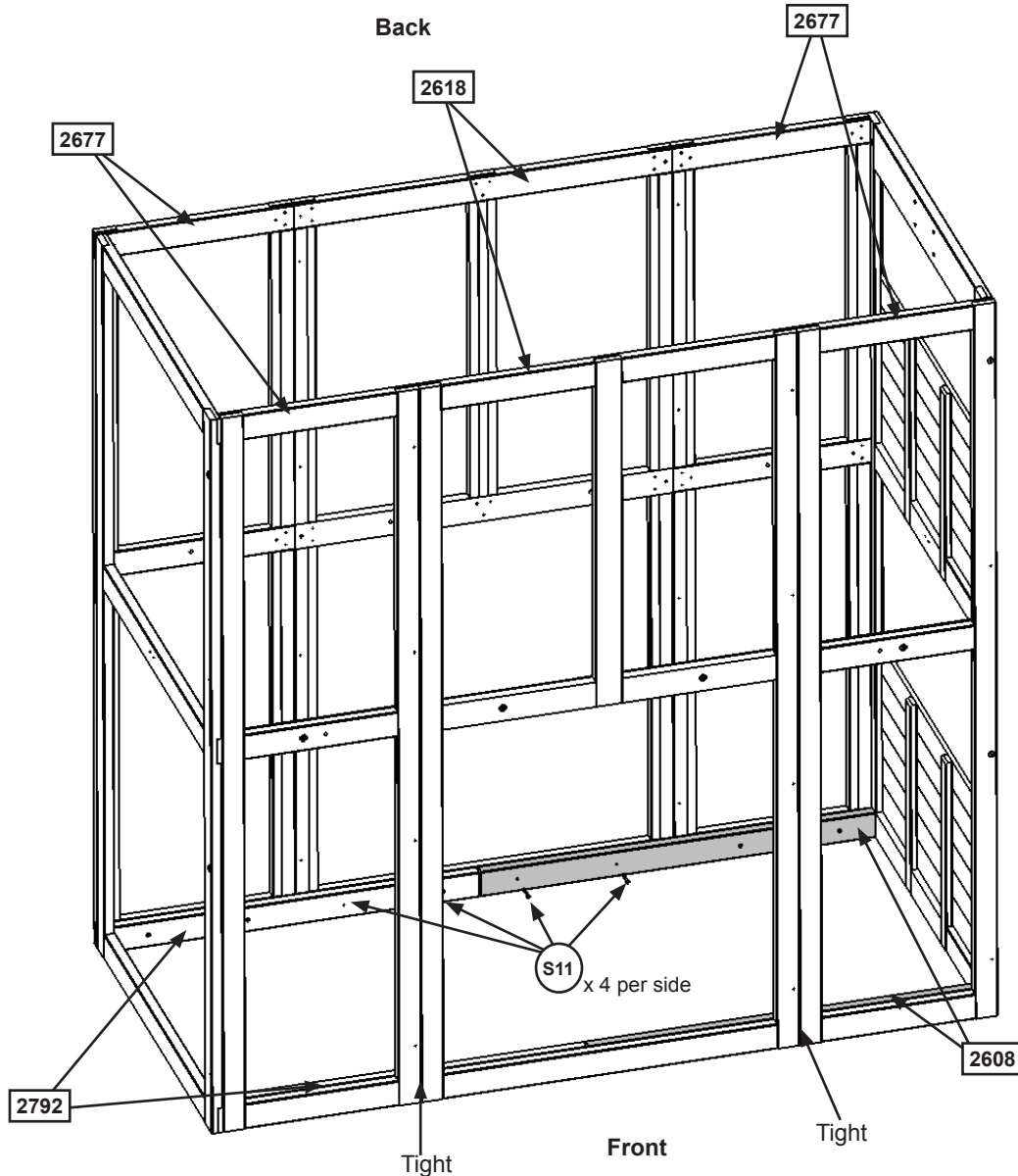
## Step 3: Join Frame Assemblies Part 3



**C:** With at least two helpers lift the two wall assemblies so the (2792) Ground Braces meet the (2608) Floor Joist as shown in fig. 3.5.

**D:** Place 1 (2618) Front Back Panel between the 2 (2677) Narrow Panels on the outside of the (2792) Ground Braces and (2608) Floor Joists on the front and back walls then from the inside of the assembly attach (2792) Ground Braces and (2608) Floor Joists to each (2618) Front Back Panel with 4 (S11) #8 x 2" Wood Screws per panel. (fig. 3.5)

**Fig. 3.5**



### Wood Parts

2 x **2618** Front Back Panel 1-1/4 x 42 x 87"

### Hardware

8 x **S11** #8 x 2" Wood Screw

## Step 3: Join Frame Assemblies Part 4

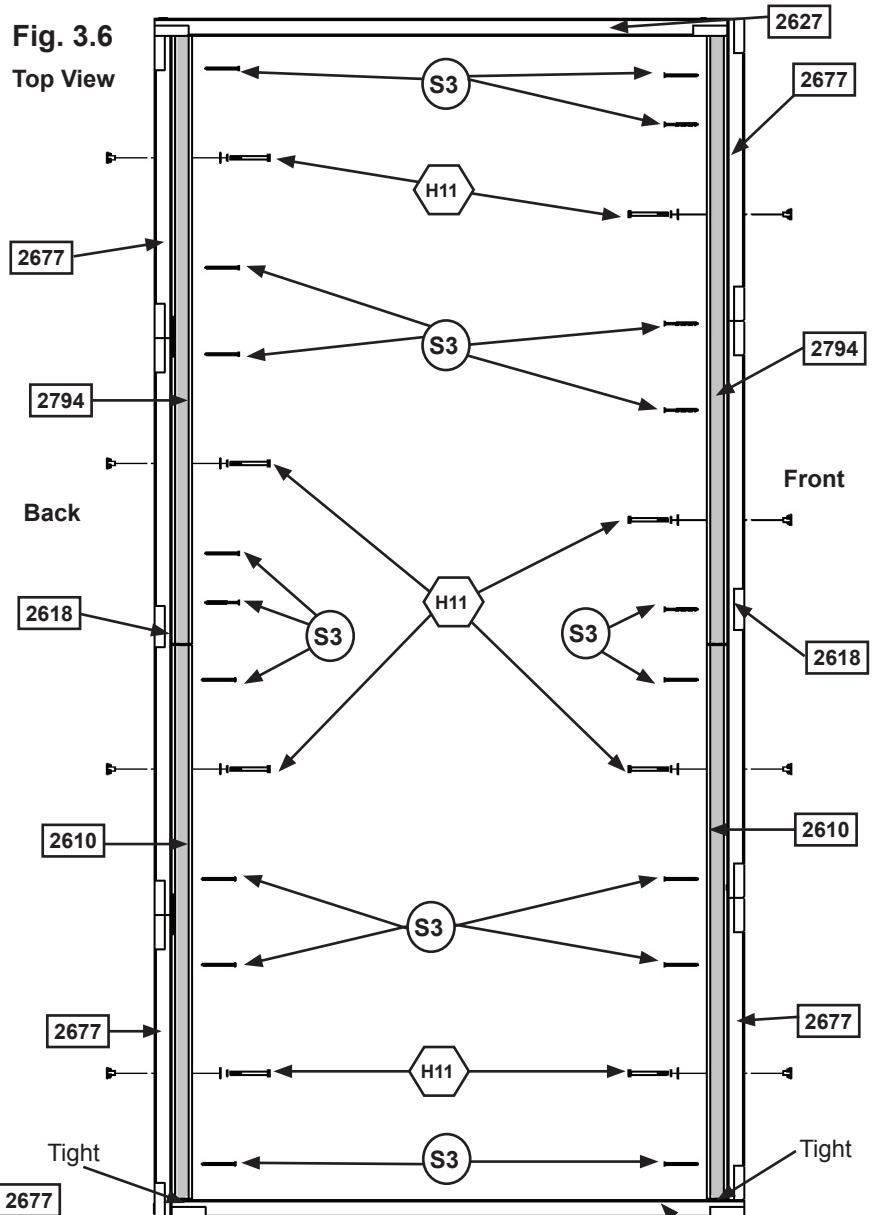


**E:** On the Back Wall, from inside the assembly, tight to (2622) End Panel Assembly, halfway up the assembly attach 1 (2610) Side Joist, 5/8" down from the panel floor, to (2677) Narrow Panel and (2618) Front Back Panel with 2 (H11) 1/4 x 2-3/4" Hex Bolts (with lock washer, flat washer and t-nut). Bolts are installed from inside the assembly. Make sure (2610) Side Joist is level then attach with 4 (S3) #8 x 2-1/2" Wood Screws. (fig. 3.6 and 3.7)

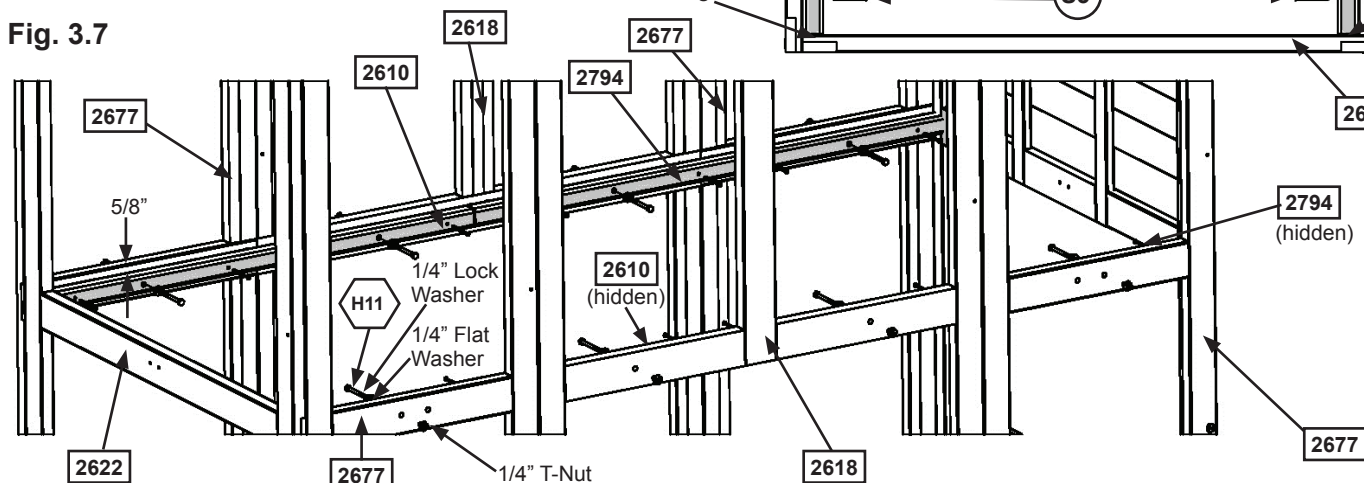
**F:** Tight to (2610) Side Joist attach (2794) Joist, 5/8" down from the panel floor, to (2618) Front Back Panel and (2677) Narrow Panel with 2 (H11) 1/4 x 2-3/4" Hex Bolts (with lock washer, flat washer and t-nut). Bolts are installed from inside the assembly. Make sure (2794) Joist is level and flush to the top of (2610) Side Joist then attach with 5 (S3) #8 x 2-1/2" Wood Screws. (fig. 3.6 and 3.7)

**G:** Repeat E and F for the Front Wall making sure to position (2794) Joist so it is opposite to the back wall. Notice screw and bolt locations. (fig. 3.6 and 3.7)

**Fig. 3.6**  
Top View



**Fig. 3.7**



### Wood Parts

- 2 x 2610 Side Joist 2 x 2 x 40-1/4"
- 2 x 2794 Joist 2 x 2 x 44-3/8"

### Hardware

- 18 x S3 #8 x 2-1/2" Wood Screw
- 8 x H11 1/4 x 2-3/4" Hex Bolt  
(1/4" lock washer, 1/4" flat washer, 1/4" t-nut)



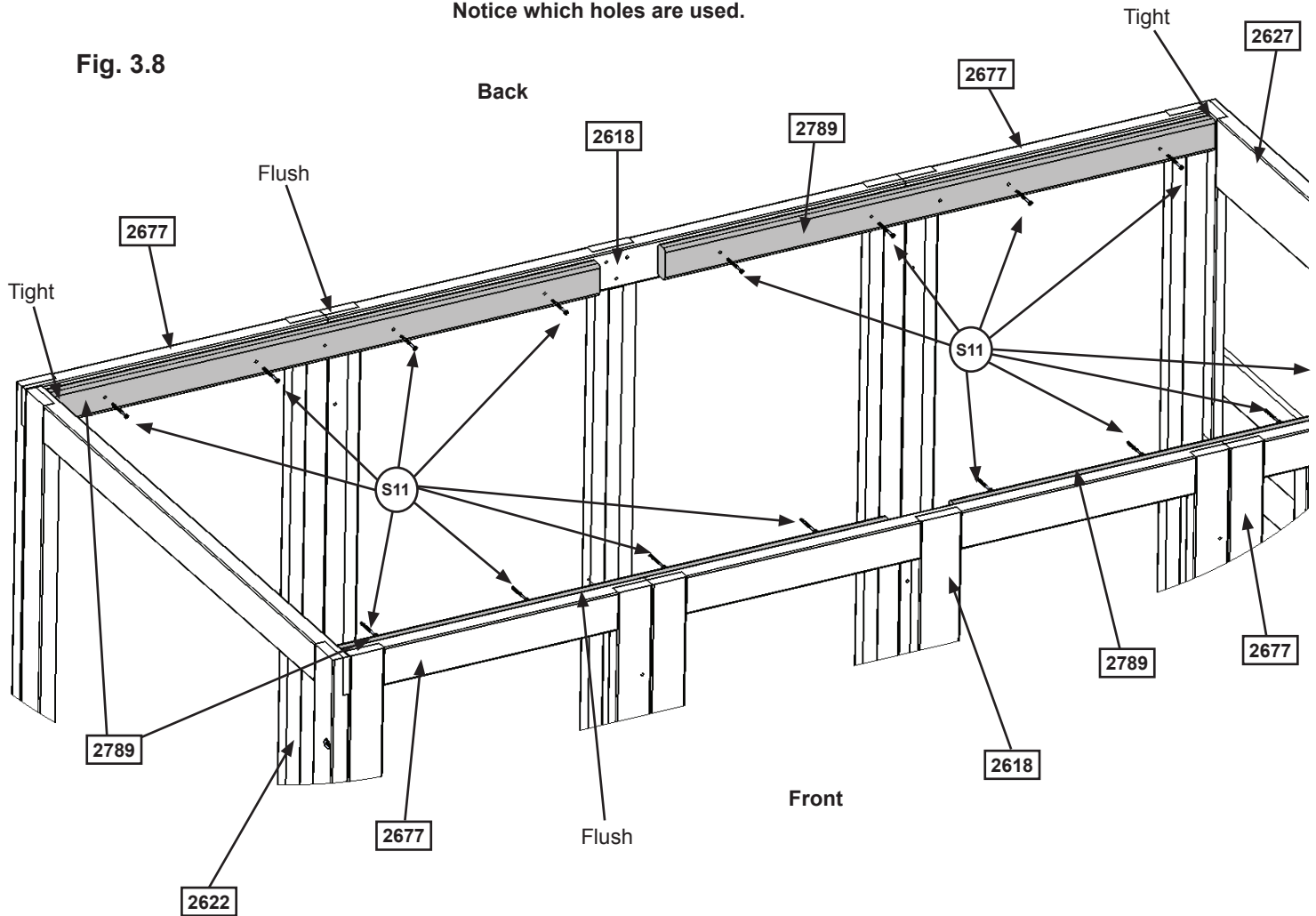
## Step 3: Join Frame Assemblies Part 5



**H:** From inside the assembly, flush to the top of the assembly place 1 (2789) Short Wall Tie tight to each side of (2622) End Panel Assembly and each side of (2627) SW Wall Panel then attach each to (2677) Narrow Panels and (2618) Front Back Panels on both the front and back walls with 4 (S11) #8 x 2" Wood Screws per board. (fig. 3.8)

Notice which holes are used.

**Fig. 3.8**



### Wood Parts

4 x (2789) Short Wall Tie 5/4 x 3 x 40"

### Hardware

16 x (S11) #8 x 2" Wood Screw

# Step 3: Join Frame Assemblies

## Part 6

I: On the inside of the assembly attach each (2677) Narrow Panel to (2618) Front Back Panel on both the front and back walls using 4 Flat Panel Brackets per wall in the places shown with 4 (S8) #12 x 3/4" Pan Screws per bracket. (fig. 3.9 and 3.10)

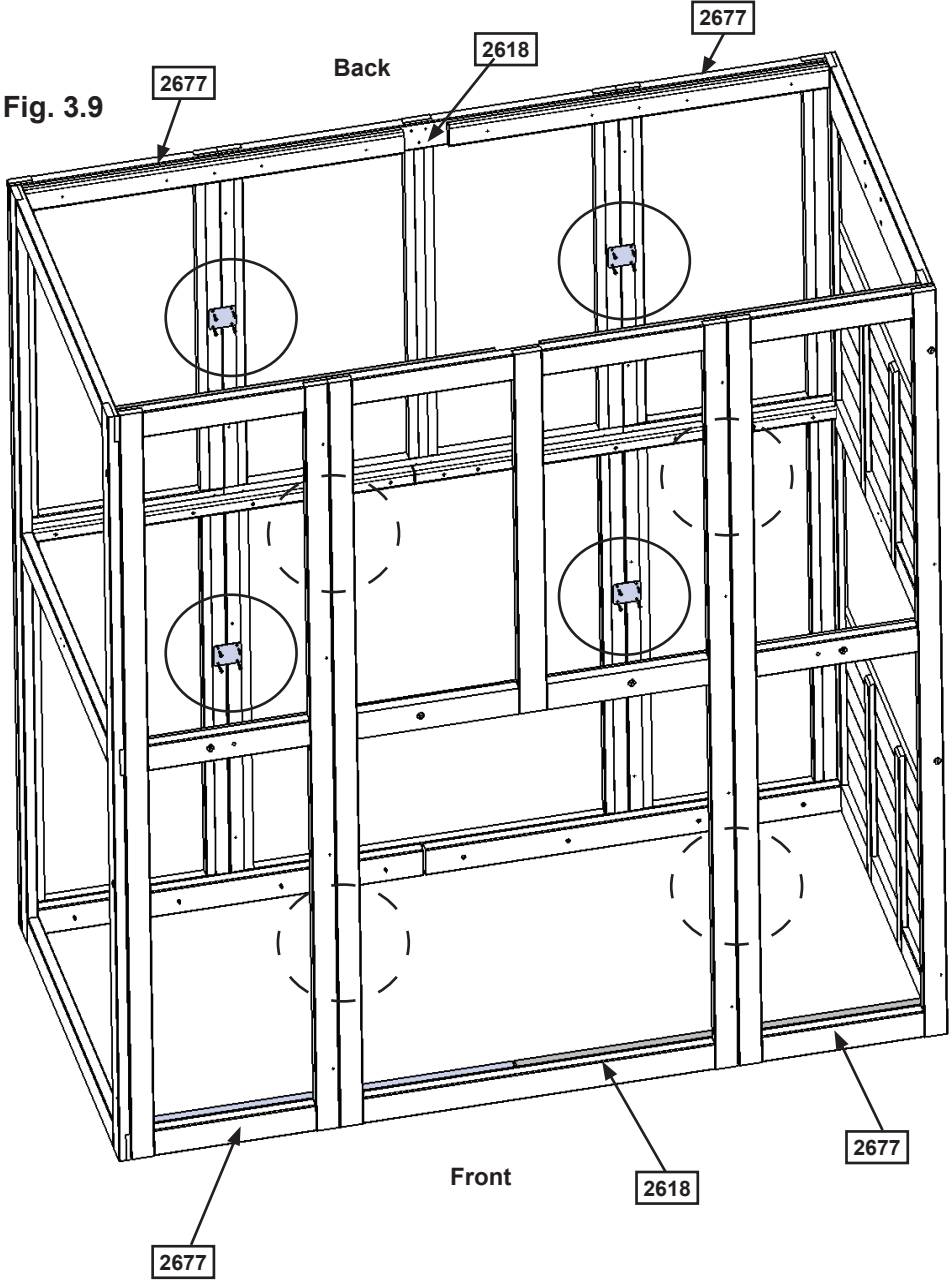
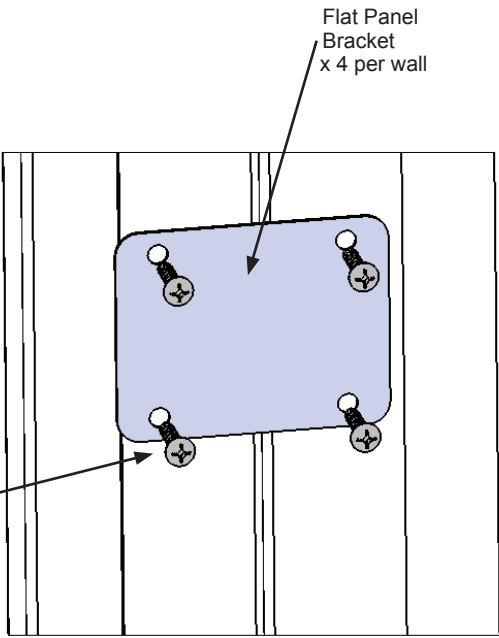



Fig. 3.10  
Inside View



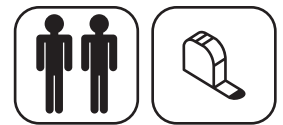
### Hardware

32 x  #12 x 3/4" Pan Screw

### Other Parts

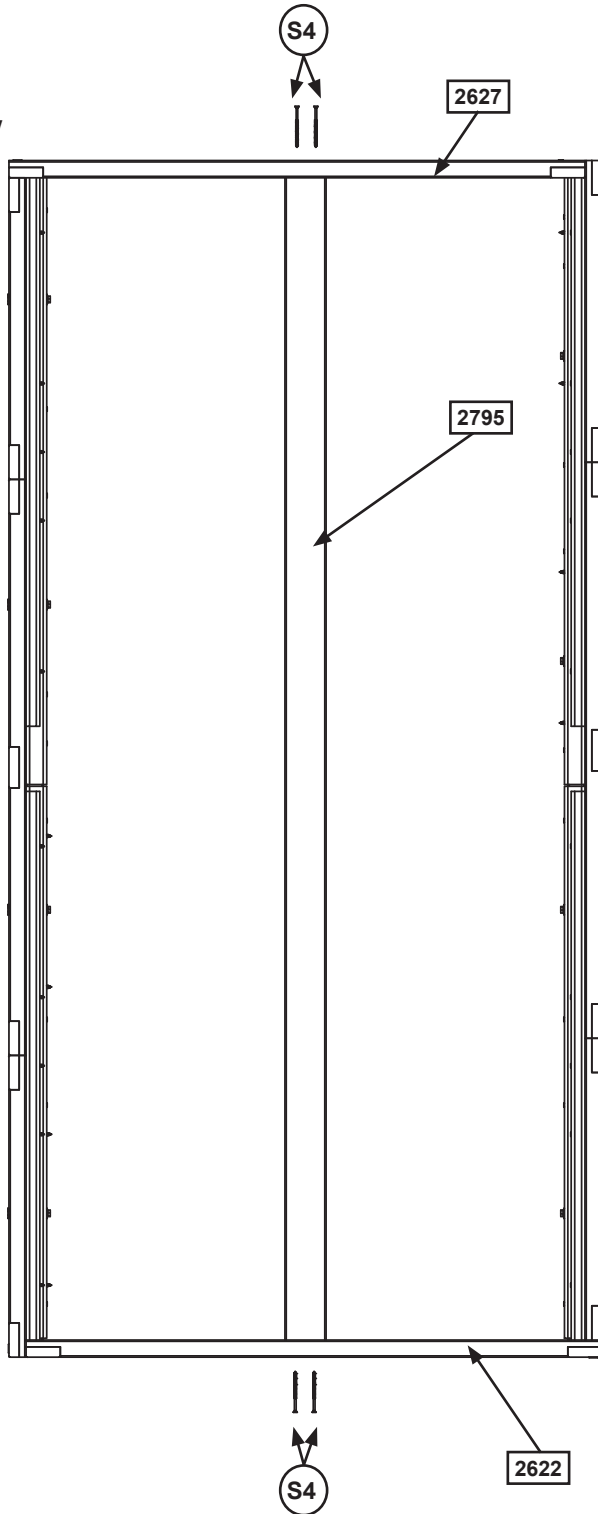
8 x Flat Panel Bracket

# Step 4: Floor Assembly Part 1

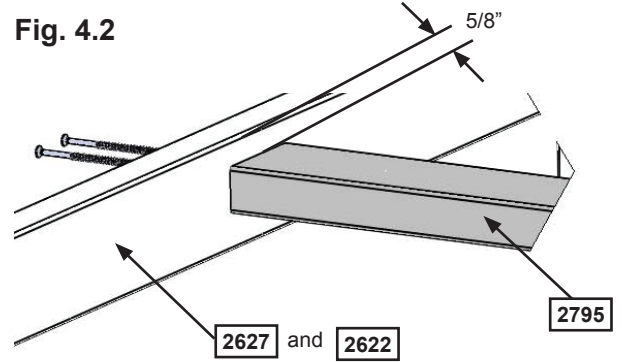


**A:** From inside of the assembly centre (2795) Long Joist over pilot holes in (2622) End Panel Assembly and (2627) SW Wall Panel, 5/8" down from the top of boards then attach (2795) Long Floor Joist to each panel with 2 (S4) #8 x 3" Wood Screws per end. (fig.4.1, 4.2 and 4.3)

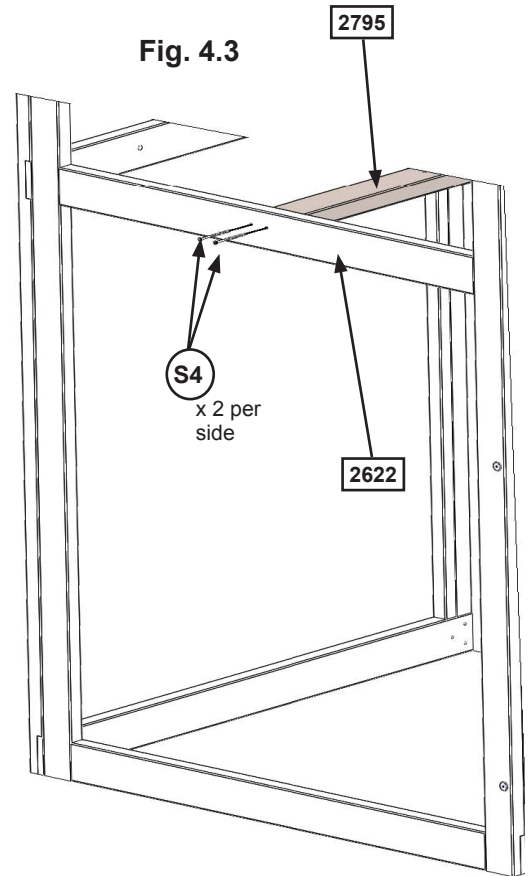
**Fig. 4.1**  
Top View



**Fig. 4.2**



**Fig. 4.3**



## Wood Parts

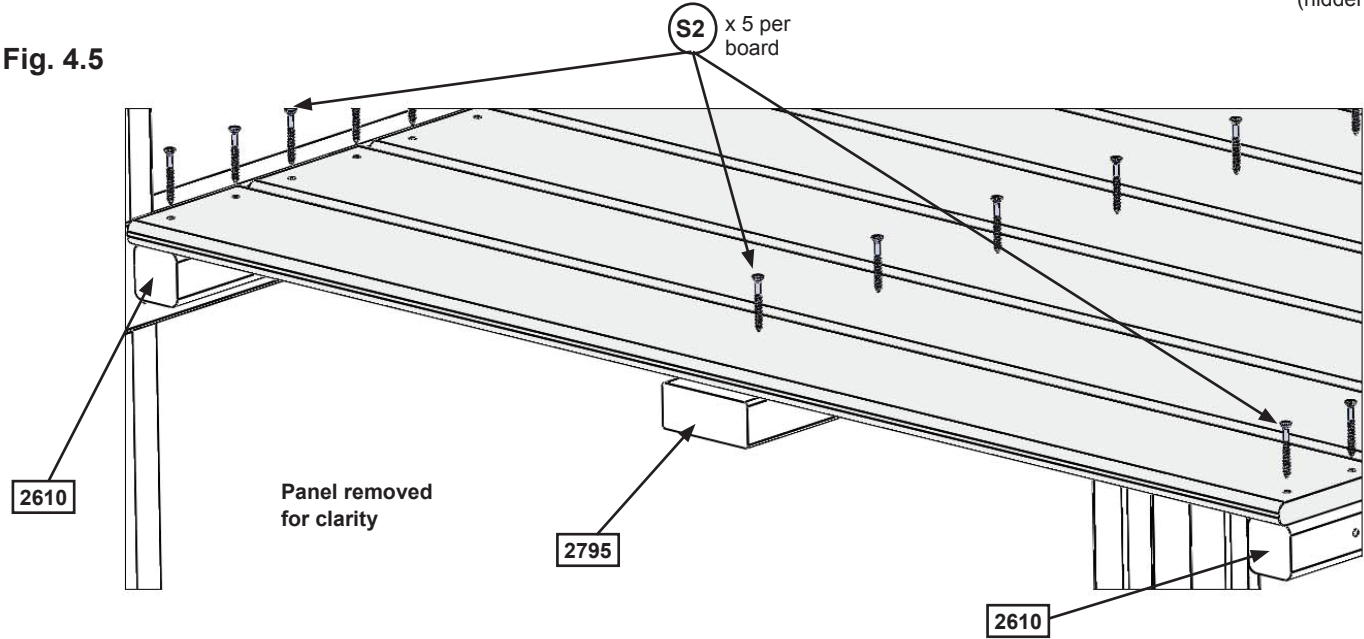
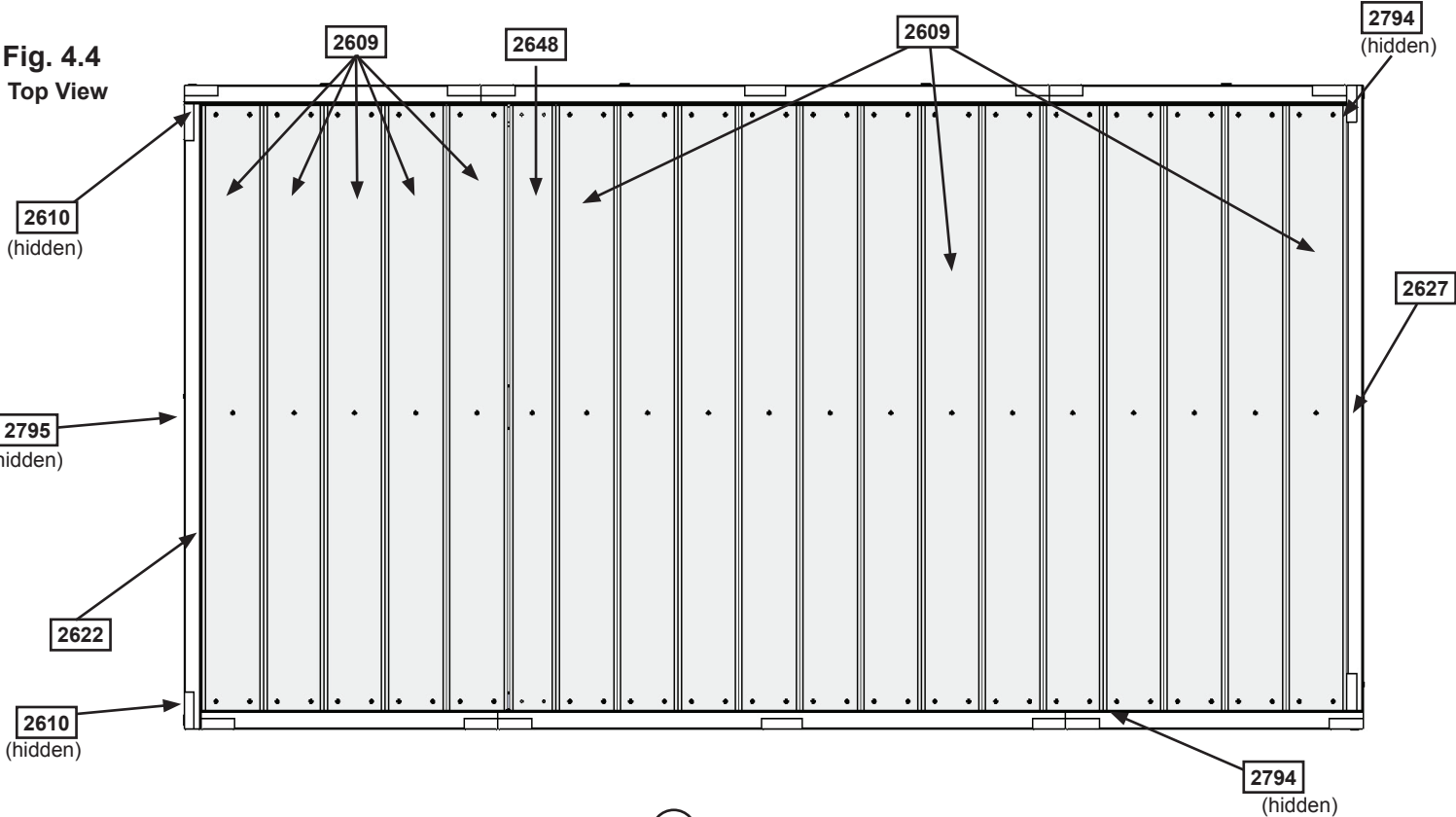
1 x **2795** Long Joist 1-1/4 x 3 x 84-3/4"

## Hardware

4 x **S4** #8 x 3" Wood Screw

# Step 4: Floor Assembly Part 2

**B:** Starting at (2622) End Panel Assembly place 5 (2609) Floor Boards followed by 1 (2648) Floor Board then the remaining 13 (2609) Floor Boards. Make sure all boards are evenly spaced then attach to (2795) Long Joist and each (2610) Side Joist and (2794) Joist with 5 (S2) #8 x 1-1/2" Wood Screws per board. (fig. 4.4 and 4.5)



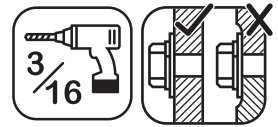
## Wood Parts

- 1 x 2648 Floor Board 1 x 4 x 40-5/8"
- 18 x 2609 Floor Board 1 x 5 x 40-5/8"

## Hardware

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

## Step 5: Attach SW Ground and Diagonal



**A:** Loosely attach 1 (2606) SW Ground to each (2607) Diagonal with 1 (H10) 1/4 x 2-1/4" Hex Bolt (with lock washer, flat washer and t-nut) per board then place each (2607) Diagonal tight and flush to the front of (2627) SW Wall Panel. (2606) SW Grounds to be flush to the bottom of (2627) SW Wall Panel. (fig. 5.1 and 5.2)

**B:** Pre-drill pilot hole with a 3/16" drill bit then attach each (2607) Diagonal to (2627) SW Wall Panel with 1 (LS3) 1/4 x 3" Lag Screw (with flat washer) per board, checking that they remain flush to outside edge. (fig. 5.1 and 5.2)

**C:** Make sure bottom of each (2606) SW Ground is flush to bottom of (2627) SW Wall Panel then attach with 2 (S11) #8 x 2" Wood Screws and 1 (S4) #8 x 3" Wood Screw per board. Tighten all bolts. (fig. 5.1 and 5.2)

Fig. 5.1

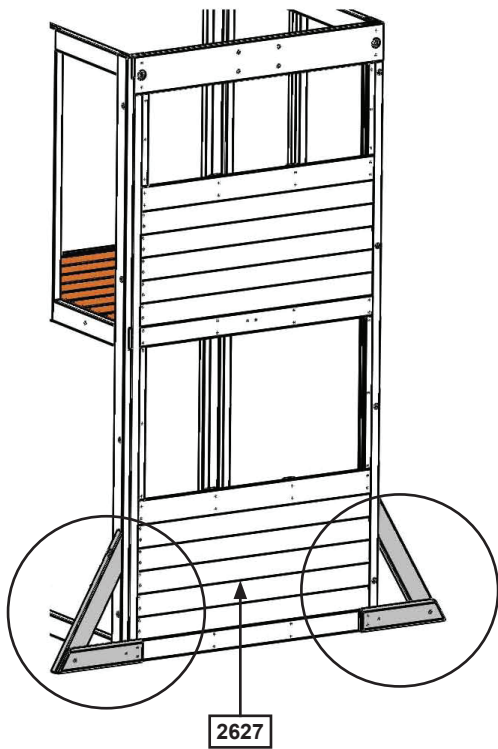
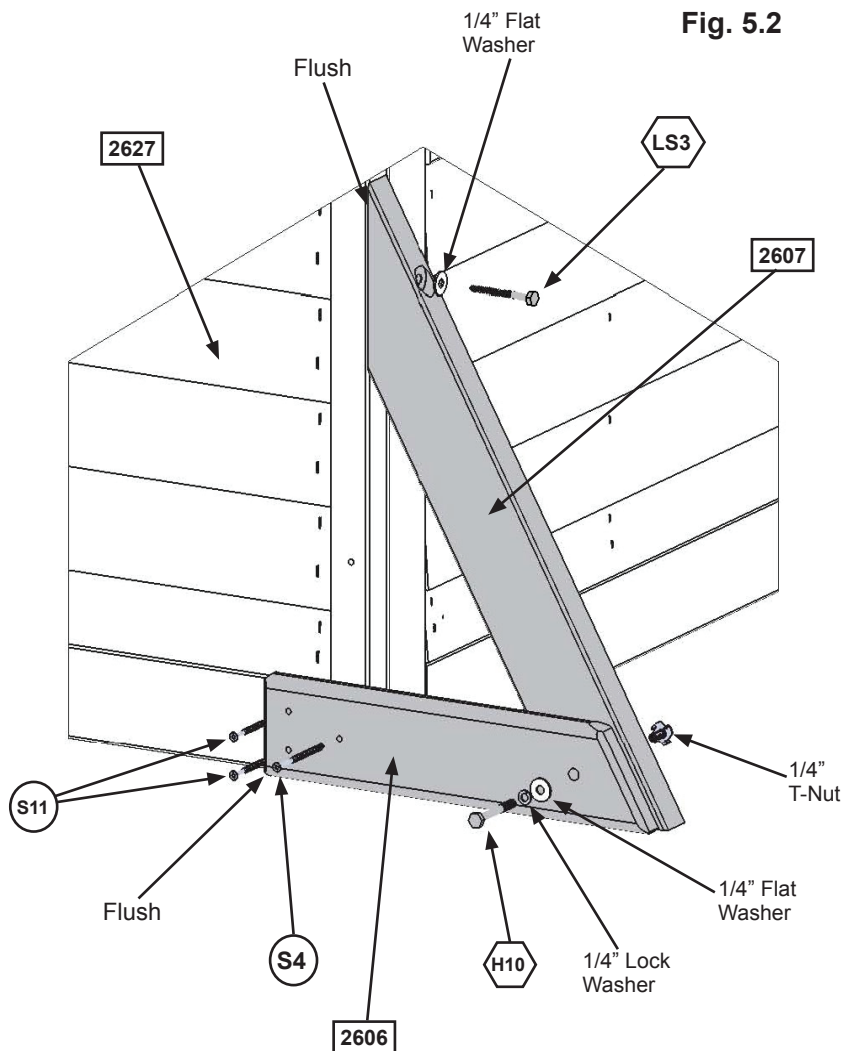


Fig. 5.2



### Wood Parts

- 2 x SW Ground 5/4 x 4 x 14-1/4"
- 2 x Diagonal 1-1/4 x 3 x 22"

### Hardware

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

## Step 6: Swing Beam Assembly



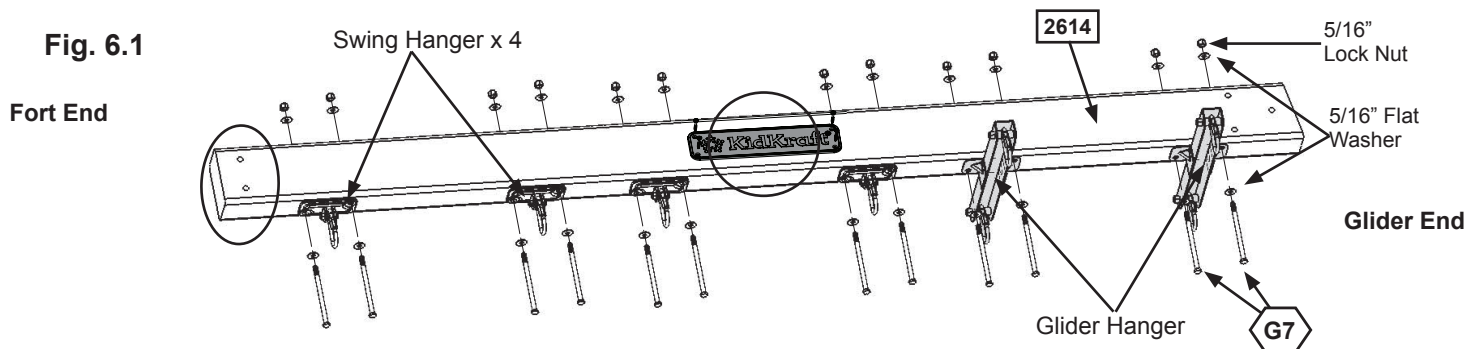
**A:** Attach 4 Swing Hangers to Fort End of (2614) Engineered Beam and 2 Glider Hangers to the Glider End using 2 (G7) 5/16 x 5-1/2" Hex Bolts (with 2 flat washers and 1 lock nut) per Swing Hanger and Glider Hanger, as shown in fig. 6.1.

**B:** Flush to the Fort End of (2614) Engineered Beam attach 2 L-Beam Brackets with 2 (G21) 5/16 x 3-3/4" Hex Bolts (with 2 flat washers and 1 lock nut). (fig. 6.2)

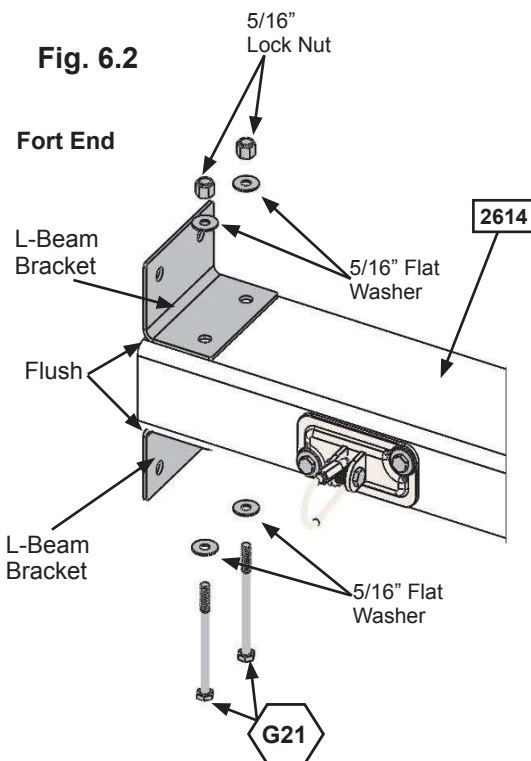
**C:** Install 1 (WB7) 5/16 x 3" Wafer Bolt (with flat washer and t-nut) in the middle bolt hole in (2614) Engineered Beam as shown in fig. 6.3. **IT IS IMPORTANT THAT THIS BOLT IS ATTACHED. IT WILL MINIMIZE CHECKING OF WOOD.**

**D:** Attach KidKraft Plaque to centre of (2614) Engineered Beam (over top of t-nut) using 4 (S18) #6 x 1" Wood Screws. (fig. 6.4)

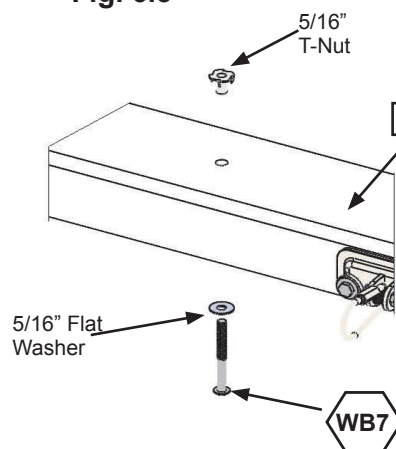
**Fig. 6.1**



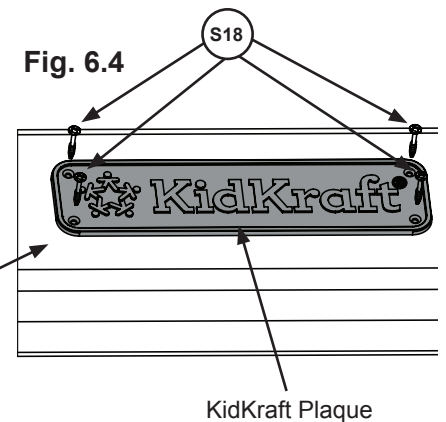
**Fig. 6.2**



**Fig. 6.3**



**Fig. 6.4**



### Wood Parts

1 x (2614) Engineered Beam 4 x 6 x 88"

### Hardware

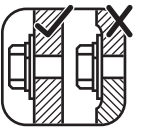
12 x (G7) 5/16 x 5-1/2" Hex Bolt (5/16" flat washer x 2, 5/16" lock nut)  
 2 x (G21) 5/16 x 3-3/4" Hex Bolt (5/16" flat washer x 2, 5/16" lock nut)  
 1 x (WB7) 5/16 x 3" Wafer Bolt (5/16" flat washer & 5/16" t-nut)  
 4 x (S18) #6 x 1" Wood Screw

### Other Parts

4 x Swing Hangers  
 2 x Glider Hanger  
 2 x L-Beam Bracket  
 1 x KidKraft Plaque



## Step 7: Swing End Assembly

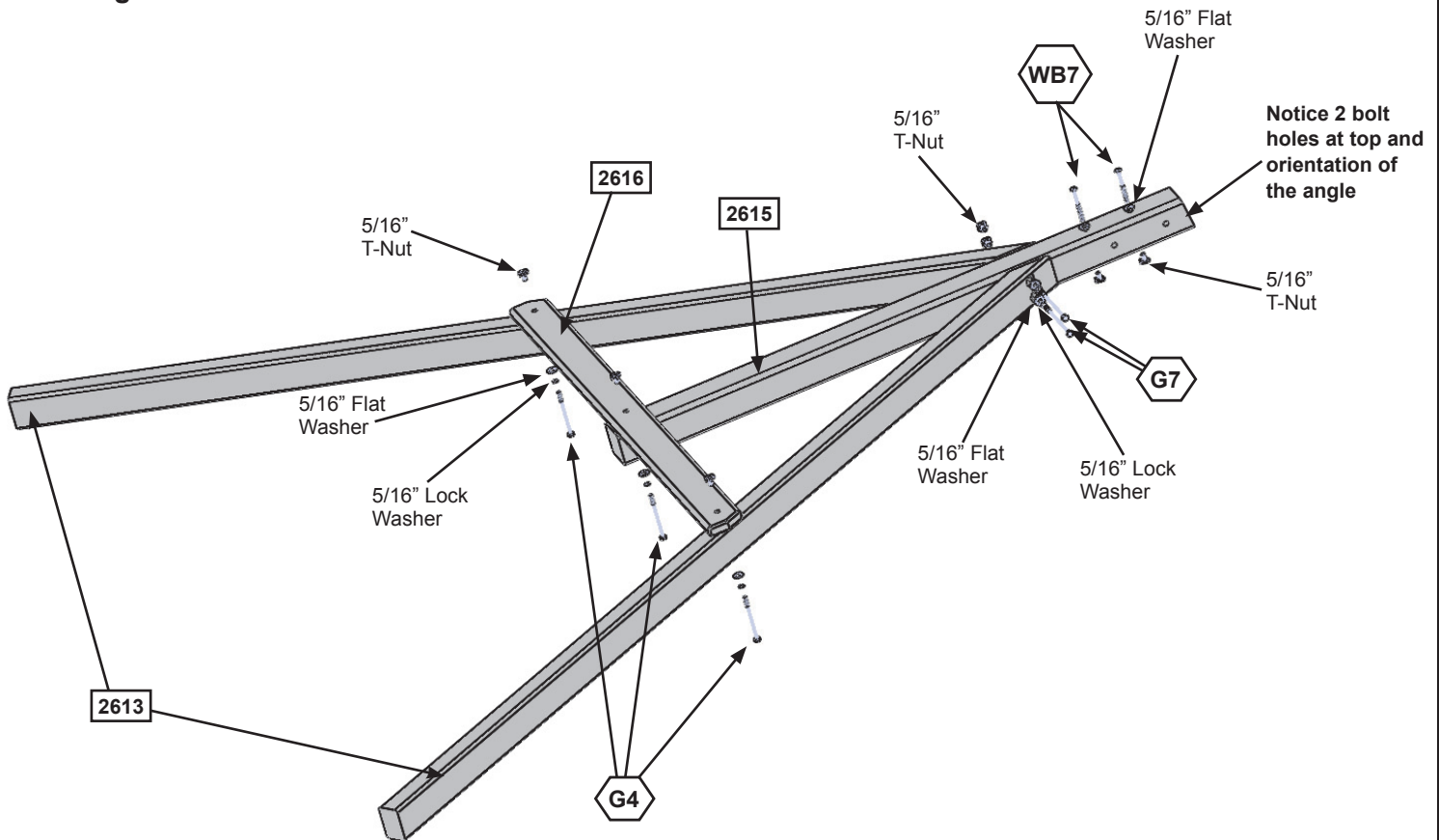


**A:** Loosely attach 2 (2613) Heavy SW Posts to (2615) SW Upright using 2 (G7) 5/16 x 5-1/2" Hex Bolts (with lock washer, flat washer and t-nut). Notice 2 bolt holes at top of (2615) SW Upright and orientation of angle. (fig. 7.1)

**B:** Attach (2616) SW Support to both (2613) Heavy SW Posts and (2615) SW Upright using 3 (G4) 5/16 x 4" Hex Bolts (with lock washer, flat washer and t-nut). Tighten all bolts (fig. 7.1)

**C:** Install 2 (WB7) 5/16 x 3" Wafer Bolts (with flat washer and t-nut) in the top bolt holes in (2615) SW Upright as shown in fig. 7.1. **IT IS IMPORTANT THAT THESE BOLTS ARE ATTACHED. THEY WILL MINIMIZE CHECKING OF WOOD.**

Fig. 7.1



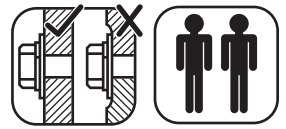
### Wood Parts

- 2 x 2613 Heavy SW Post 2 x 3 x 86-11/16"
- 1 x 2615 SW Upright 4 x 4 x 50-15/16"
- 1 x 2616 SW Support 5/4 x 4 x 46-1/2"

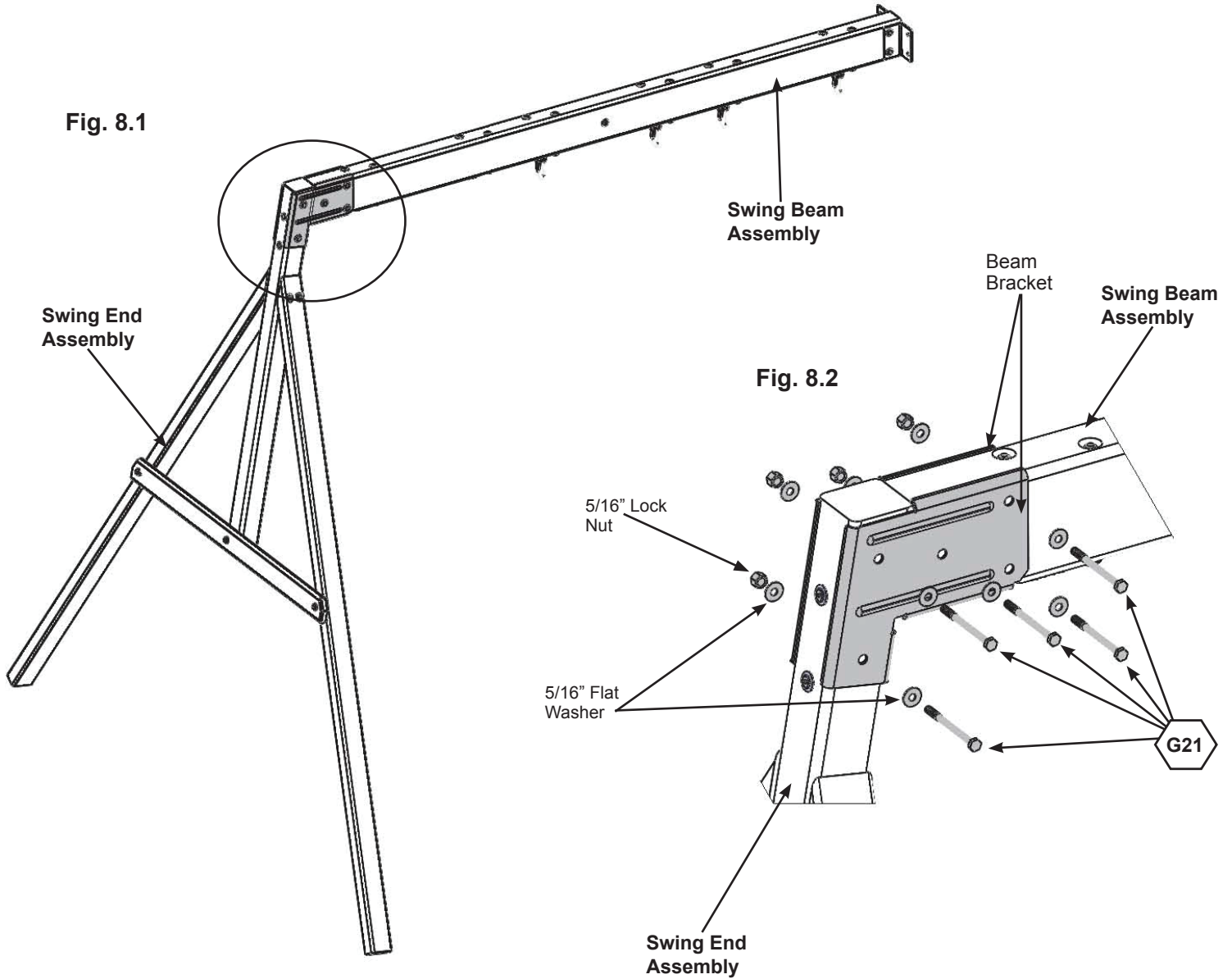
### Hardware

- 2 x G7 5/16 x 5-1/2" Hex Bolt (5/16" lock washer, 5/16" flat washer, 5/16" t-nut)
- 3 x G4 5/16 x 4" Hex Bolt (5/16" lock washer, 5/16" flat washer, 5/16" t-nut)
- 2 x WB7 5/16 x 3" Wafer Bolt (5/16" flat washer & 5/16" t-nut)

## Step 8: Attach Swing End to Swing Beam



**A:** Place Swing End Assembly against Swing Beam Assembly then place 1 Beam Bracket on each side of the assembly (they are specific for left and right side) and attach with 5 (G21) 5/16 x 3-3/4" Hex Bolts (with 2 flat washers and 1 lock nut). (fig. 8.1 and 8.2)



### Hardware

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

### Other Parts

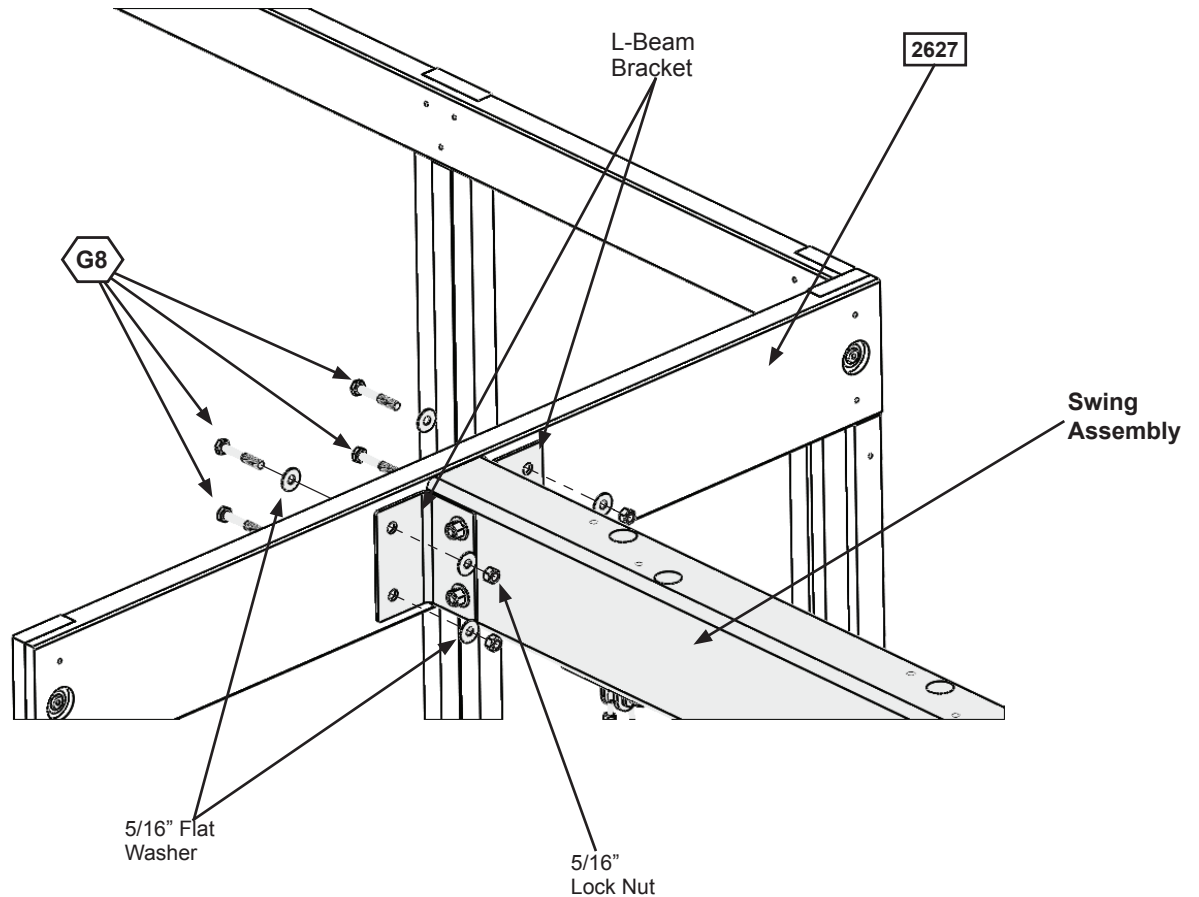
2 x Beam Bracket (Left/Right)

## Step 9: Attach Swing Assembly To Fort



**A:** Place Swing Assembly against top of (2627) SW Wall Panel, make sure assembly is level then attach from inside the fort assembly into each L-Beam Bracket with 4 (G8) 5/16 x 2" Hex Bolts (with 2 flat washers and 1 lock nut). (fig. 9.1)

**Fig. 9.1**



### Hardware

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

## Step 10: Install Ground Stakes

### **MOVE FORT TO FINAL LOCATION PRIOR TO STAKING** **FINAL LOCATION MUST BE LEVEL GROUND**

**A:** In the 5 places shown in fig. 10.1 drive the Rebar Ground Stakes 13" into the ground against outside front corner of (2622) End Panel Assembly, on both (2607) Diagonals and both (2613) Heavy SW Posts. Be careful not to hit the washer while hammering stakes into the ground as this could cause the washer to break off.

**B:** Attach ground stakes using 1 (S7) #12 x 2" Pan Screw per ground stake (fig. 10.2 and 10.3).

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

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

Fig. 10.1

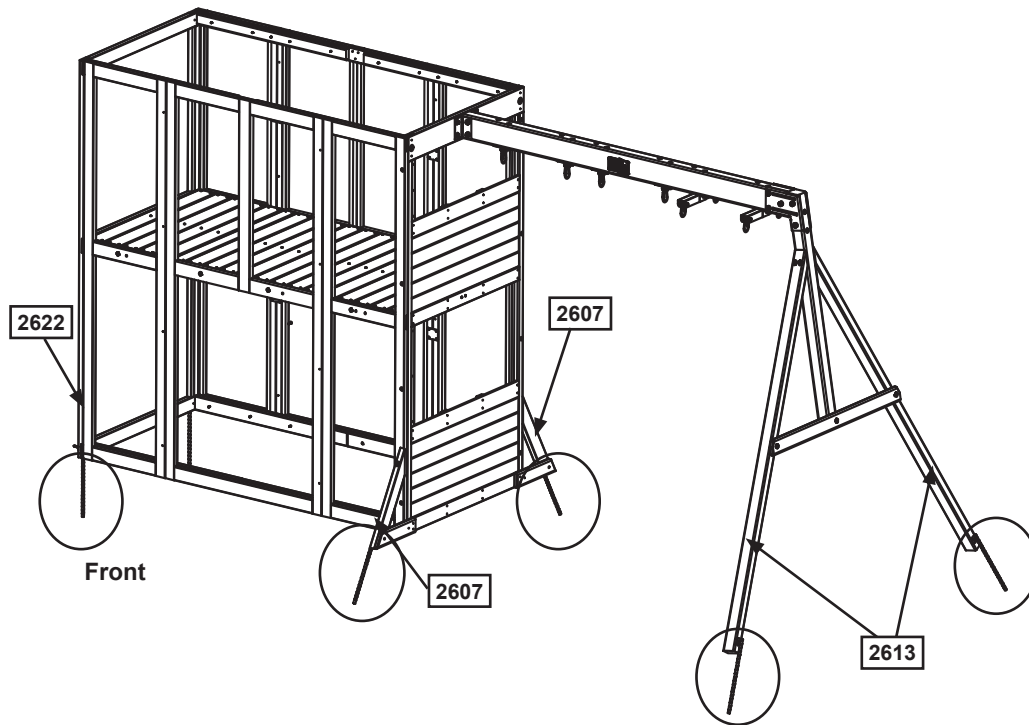


Fig. 10.2

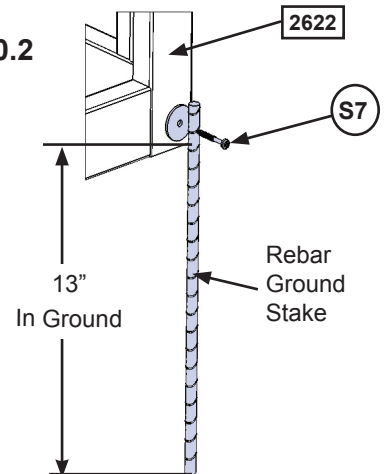
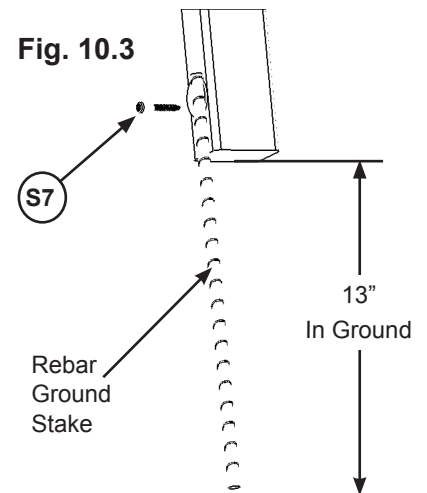


Fig. 10.3



#### Hardware

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

#### Other Parts

5 x Rebar Ground Stake

# Step 11: Install Upper and Lower Jambs

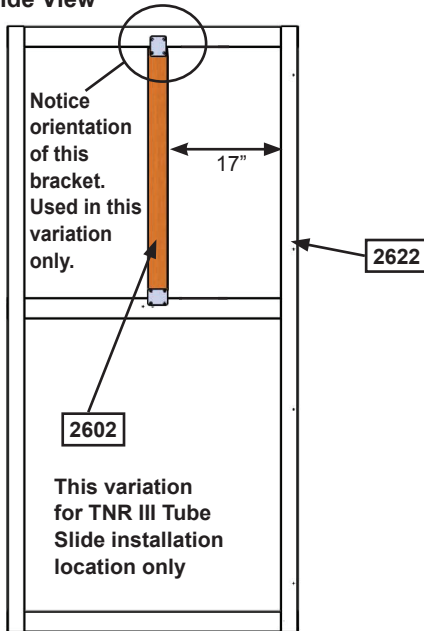


**A:** In the upper opening of (2622) End Panel Assembly place 1 (2602) Upper Jamb so it measures 17" to the inside of each post then attach with 2 Jamb Mounts using 4 (S0) #8 x 7/8" Truss Screws per mount. (fig. 11.1, 11.3, 11.4 and 11.5)

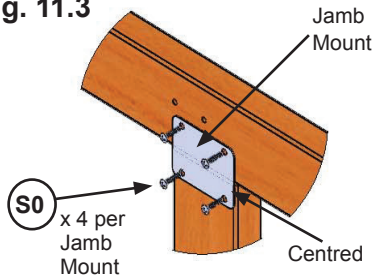
**B:** In the lower opening of (2622) End Panel Assembly and the front (2618) Front Back Panel place 1 (2601) Lower Jamb so it measures 17" to the inside of each post then attach each (2601) Lower Jamb with 2 Jamb Mounts using 4 (S0) #8 x 7/8" Truss Screws per mount. (fig. 11.2, 11.3, 11.4 and 11.5).

**Fig. 11.1**

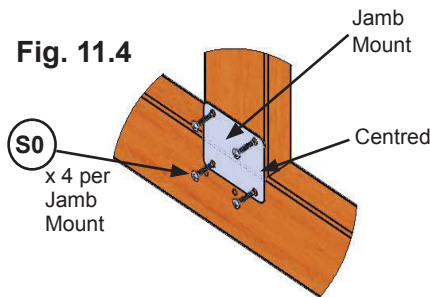
Outside View



**Fig. 11.3**

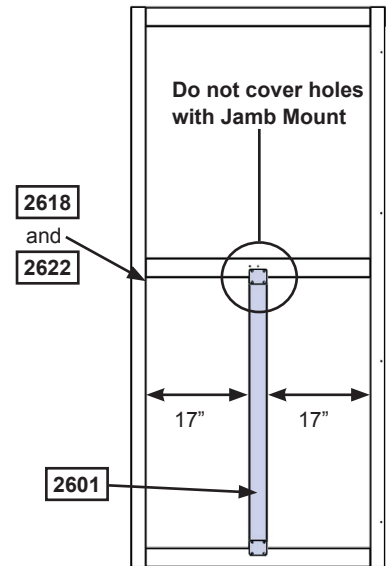


**Fig. 11.4**



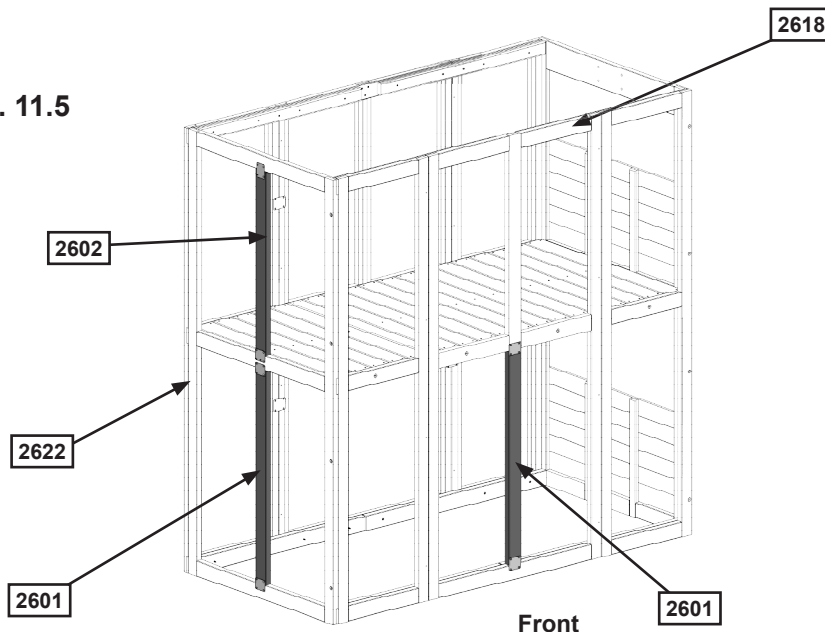
**Fig. 11.2**

Outside View



**Fig. 11.5**

Grooves to the inside



## Wood Parts

- 1 x 2602 Upper Jamb 1-1/4 x 3 x 35-15/16"
- 2 x 2601 Lower Jamb 1-1/4 x 3 x 41-15/16"

## Hardware

- 24 x S0 #8 x 7/8" Truss Screw

## Other Parts

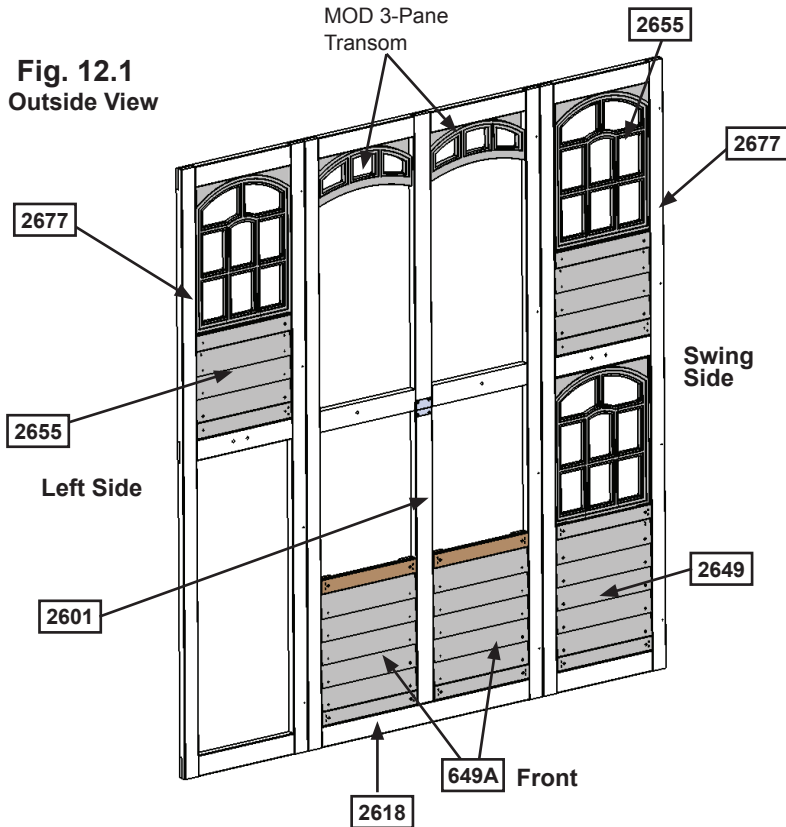
- 6 x Jamb Mount

# Step 12: Install Window and Wall Inserts

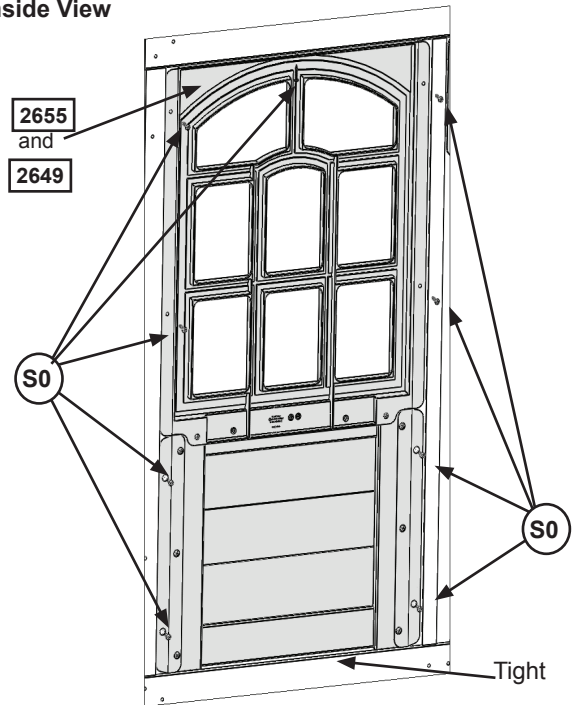
## Part 1 - Front Wall

**A:** On the Front of the assembly, in the openings of the (2677) Narrow Panels install 2 (2655) Upper Window Inserts in the upper openings and 1 (2649) Lower Window Insert in the lower opening on the Swing Side using 9 (S0) #8 x 7/8" Truss Screws per insert. (fig. 12.1 and 12.2)

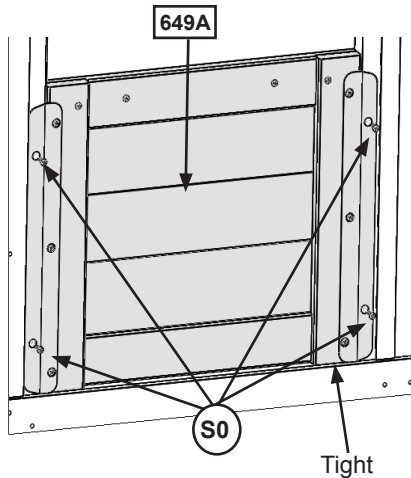
**B:** On the Front of the assembly in the openings of the (2618) Front Back Panel install 2 (649A) Short Half Walls in the lower openings and 2 MOD 3-Pane Transoms in the upper openings with 4 (S0) #8 x 7/8" Truss Screws per insert. (fig. 12.1, 12.3 and 12.4)



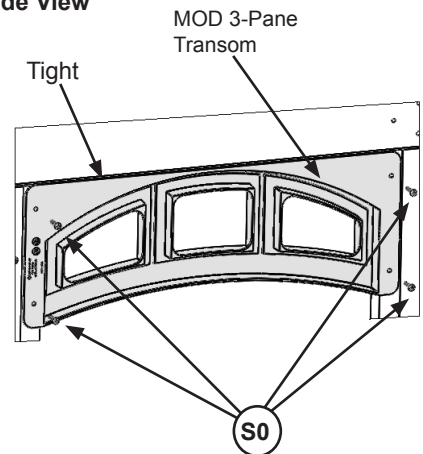
**Fig. 12.2**  
Inside View



**Fig. 12.3**  
Inside View



**Fig. 12.4**  
Inside View



### Wood Parts

- 2 x 2655 Upper Window Insert 1.27 x 18.8 x 35.86"
- 1 x 2649 Lower Window Insert 1.27 x 18.8 x 41.91"
- 2 x 649A Short Half Wall 1.27 x 18.8 x 20-15/16"

### Hardware

- 43 x (S0) #8 x 7/8" Truss Screw

### Other Parts

- 2 x MOD 3-Pane Transom

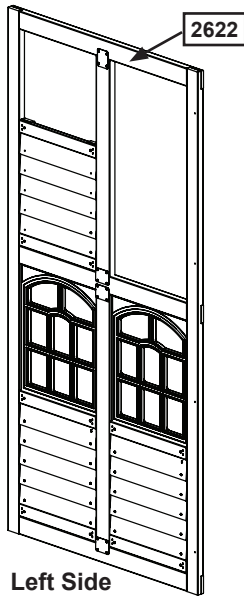


## Step 12: Install Window and Wall Inserts Part 2 - Left Side

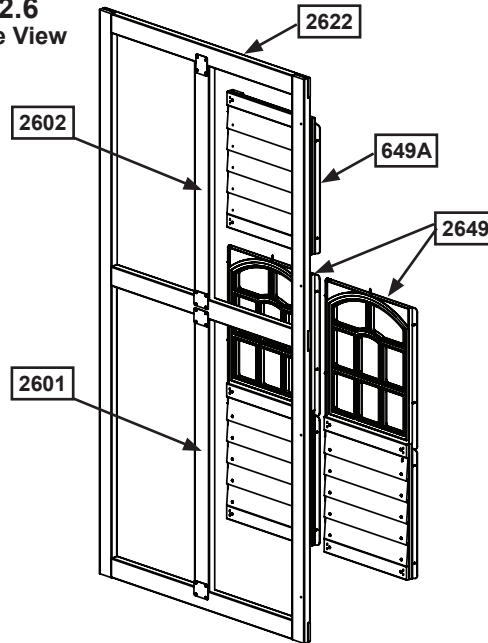
**C:** In the lower openings of (2622) End Panel Assembly install 2 (2649) Lower Window Inserts with 9 (S0) #8 x 7/8" Truss Screws per insert. (fig. 12.5, 12.6 and 12.7)

**D:** In the upper left opening of (2622) End Panel Assembly install 1 (649A) Short Half Wall with 4 (S0) #8 x 7/8" Truss Screws.(fig. 12.5, 12.6 and 12.8)

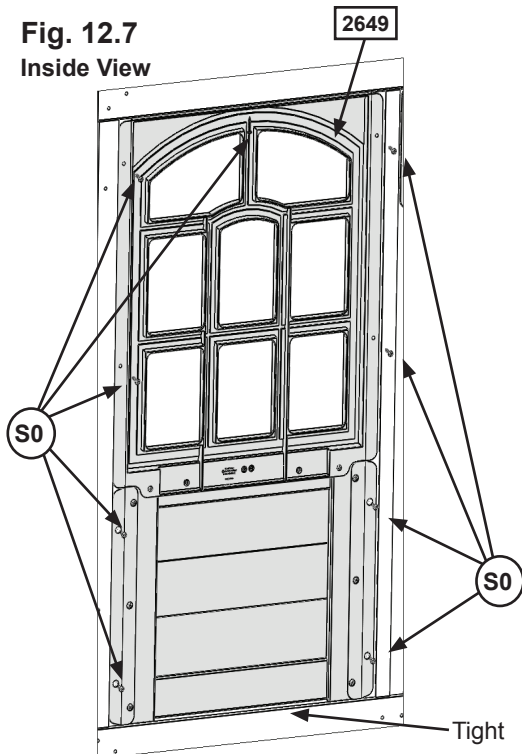
**Fig. 12.5**



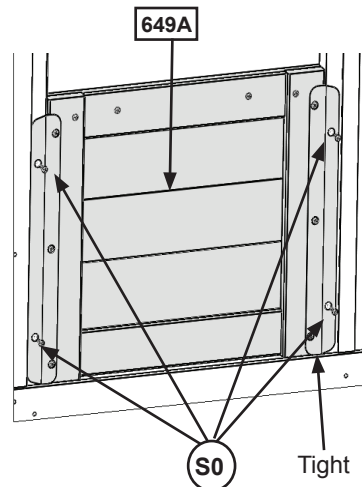
**Fig. 12.6**  
**Outside View**



**Fig. 12.7**  
**Inside View**



**Fig. 12.8**  
**Inside View**



## Wood Parts

2 x 2649 Lower Window Insert 1.27 x 18.8 x 41.91"

## Hardware

20 x (S0) #8 x 7/8" Truss Screw

1 x **649A** Short Half Wall



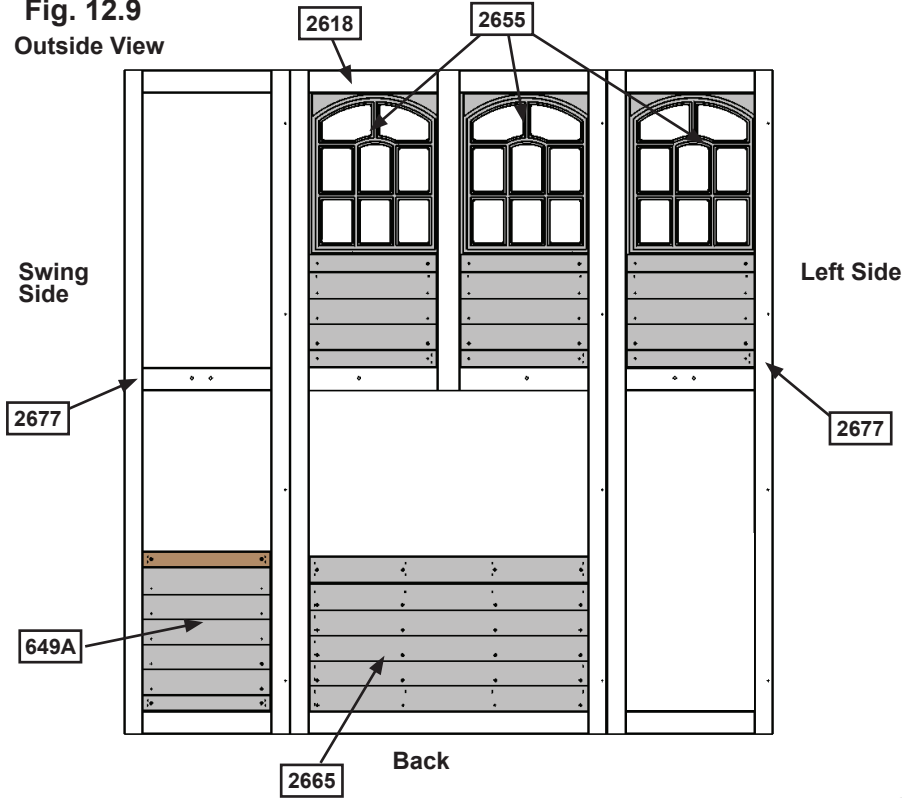
# Step 12: Install Window and Wall Inserts

## Part 3 - Back Wall

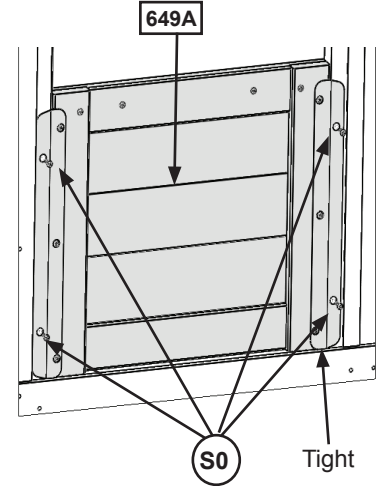
**E:** On the Back of the assembly, install 1 (649A) Short Half Walls in the lower opening of the right (2677) Narrow Panel and 1 (2665) Half Wall Insert in the lower openings of (2618) Front Back Panel using 4 (S0) #8 x 7/8" Truss Screws per insert. (fig. 12.9, 12.10 and 12.11)

**F:** Install 3 (2655) Upper Window Inserts in the upper openings of (2618) Front Back Panel and the Left Side (2677) Narrow Panel using 9 (S0) #8 x 7/8" Truss Screws per insert. (fig. 12.9 and 12.12)

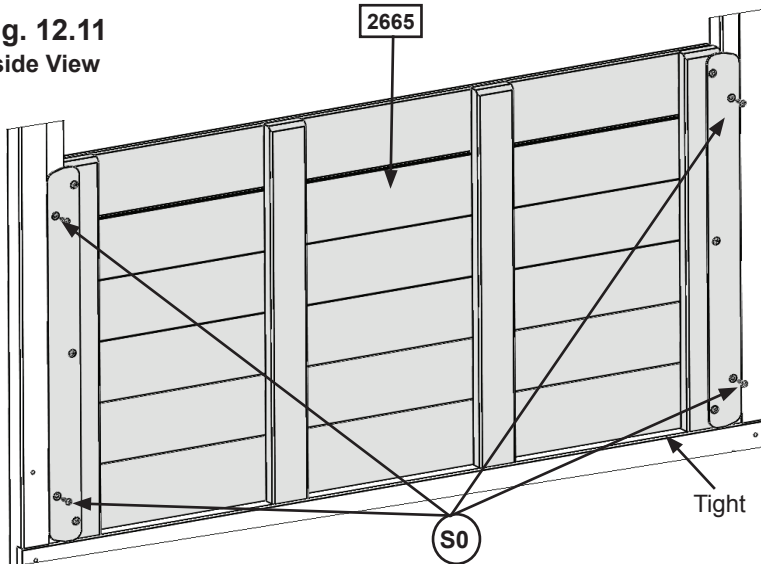
**Fig. 12.9**  
Outside View



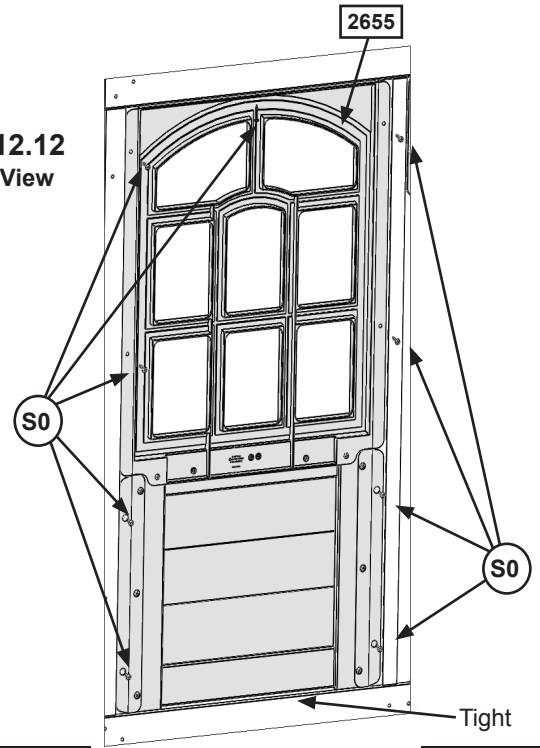
**Fig. 12.10**  
Inside View



**Fig. 12.11**  
Inside View



**Fig. 12.12**  
Inside View



### Wood Parts

- 3 x **2655** Upper Window Insert 1.27 x 18.8 x 35.86"
- 1 x **2665** Half Wall Insert 1.4 x 20-1/4 x 38.8"
- 1 x **649A** Short Half Wall 1.27 x 18.8 x 20-15/16"

### Hardware

- 39 x **S0** #8 x 7/8" Truss Screw

## Step 13: Clock Assembly

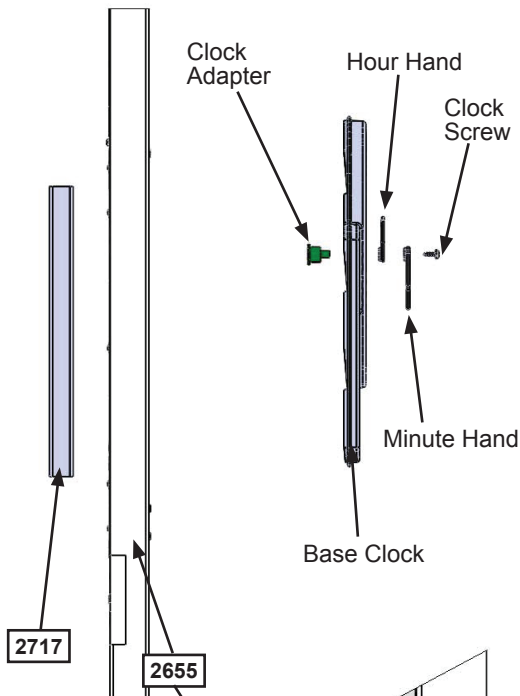


**A:** From the back of the Base Clock insert the Clock Adapter then from the front of the Base Clock place the Hour Hand over the Clock Adapter making sure they line up properly. Press the Minute Hand over the Hour Hand and connect with the Clock Screw. (fig. 13.1)

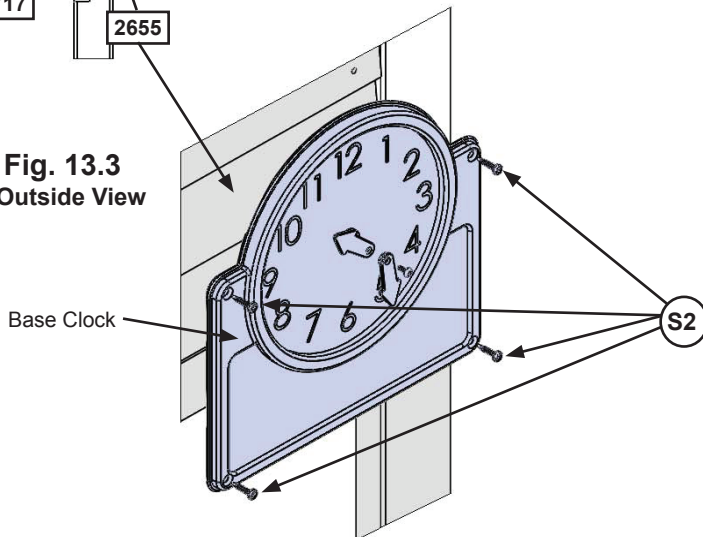
**B:** On the Front of the Assembly place Clock Assembly centred under window of the Slide Side (2655) Upper Window Insert then with a helper attach through insert and into each (2717) Clock Block with 4 (S2) #8 x 1-1/2" Wood Screw, 2 per block. (fig. 13.2, 13.3 and 13.4)

**Do not over tighten screws.**

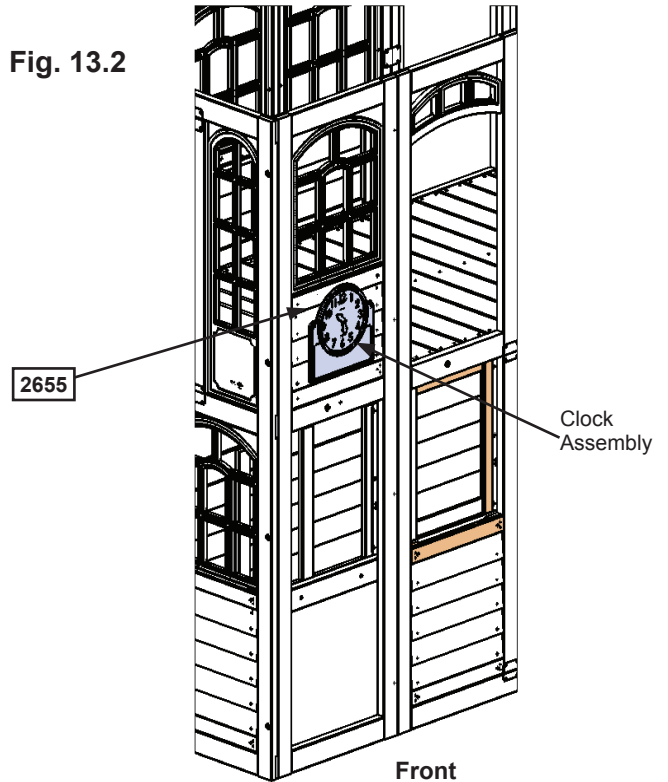
**Fig. 13.1**  
Side View



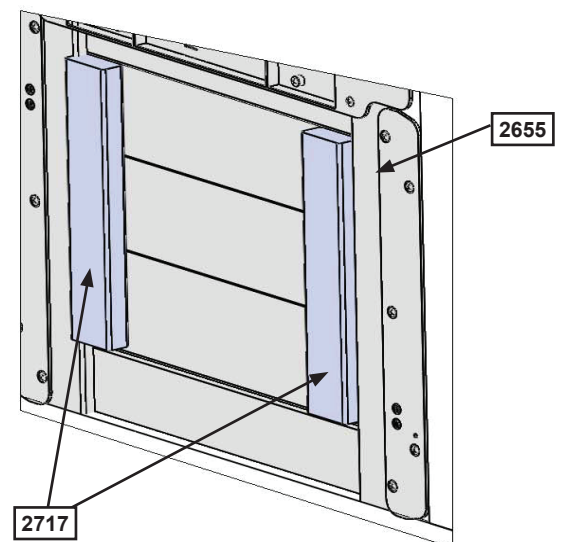
**Fig. 13.3**  
Outside View



**Fig. 13.2**



**Fig. 13.4**  
Inside View



### Wood Parts

2 x 2717 Clock Block 3/4 x 1-3/4 x 9-3/4"

### Hardware

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

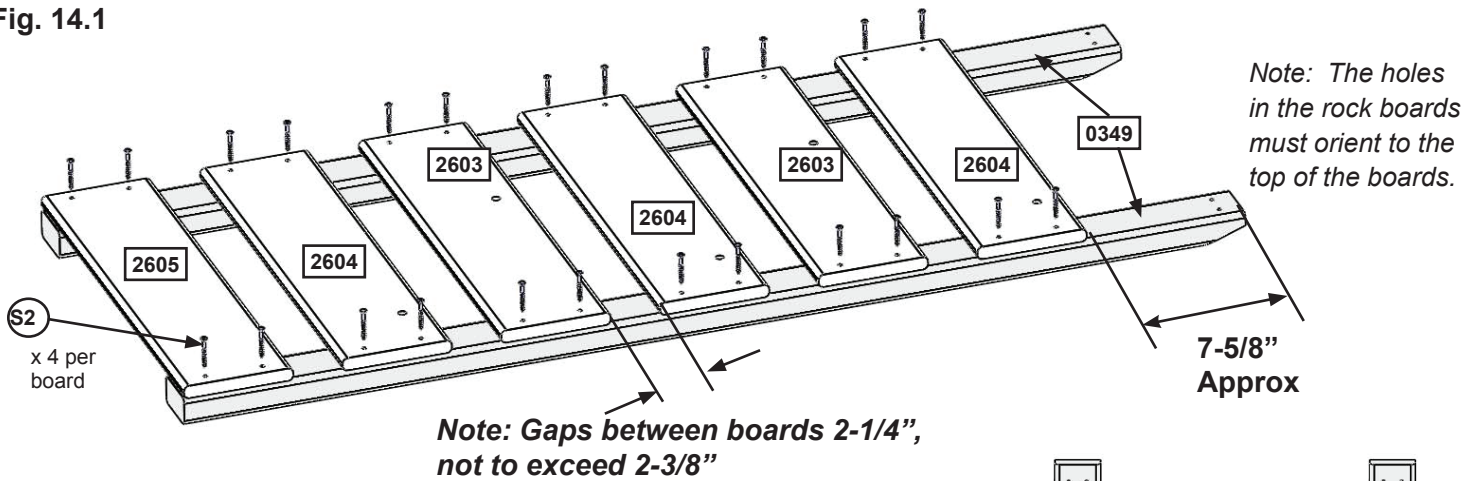
### Other Parts

1 x Base Clock  
1 x Clock Subset  
1 x Clock Adapter  
1 x Hour Hand  
1 x Minute Hand  
1 x Clock Screw

# Step 14: Rock Wall Assembly



Fig. 14.1



**A:** Lay 2 (0349) Rock Rails down, side by side with angled edges facing down. (fig. 14.1)

**B:** Place (2605) Access Board on the bottom of each (0349) Rock Rail as shown in fig. 14.1. Make sure (2605) 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:** 7-5/8" down from the top of both (0349) Rock Rails place 1 (2604) Rock Board B, 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. 14.1)

**D:** In between the (2605) Access Board and (2604) Rock Board B stagger 2 (2604) Rock Board Bs and 2 (2603) Rock Board As using 4 (S2) #8 x 1-1/2" Wood Screws per board. Placing them as shown in fig. 14.1, 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. 14.2

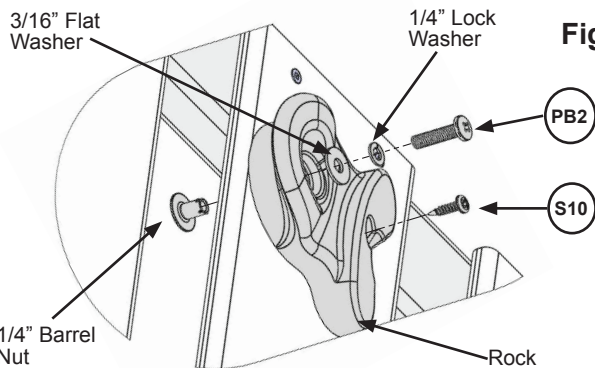
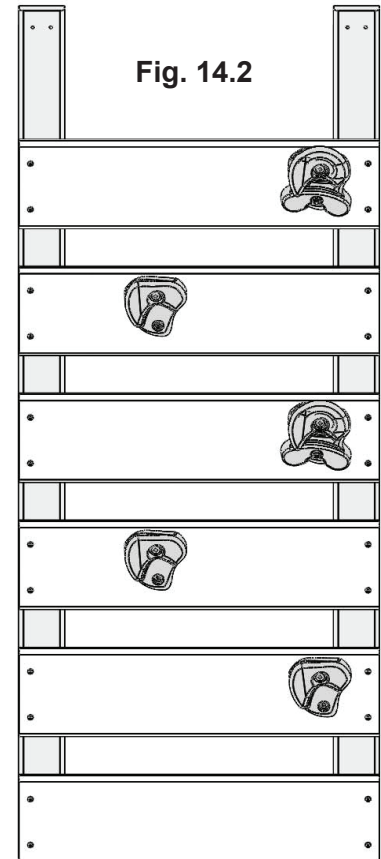


Fig. 14.3

**E:** Place 1 rock on each (2603) Rock Board A and (2604) Rock Board B (fig. 14.2) 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. 14.3)

## Wood Parts

- 1 x 2605 Access Board 1 x 6 x 19-3/4"
- 3 x 2604 Rock Board B 1 x 6 x 19-3/4"
- 2 x 2603 Rock Board A 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 15: Attach Rock Wall Assembly to Fort

## Part 1

**A:** Place Rock Wall Assembly centred in opening shown on the Fort Guide at the end of the instructions and flush as shown below. Attach (0349) Rock Rails using 4 (S11) #8 x 2" Wood Screws. (fig. 15.1 and 15.2)

**B:** Attach 1 (2605) 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. 15.3)

Fig. 15.1

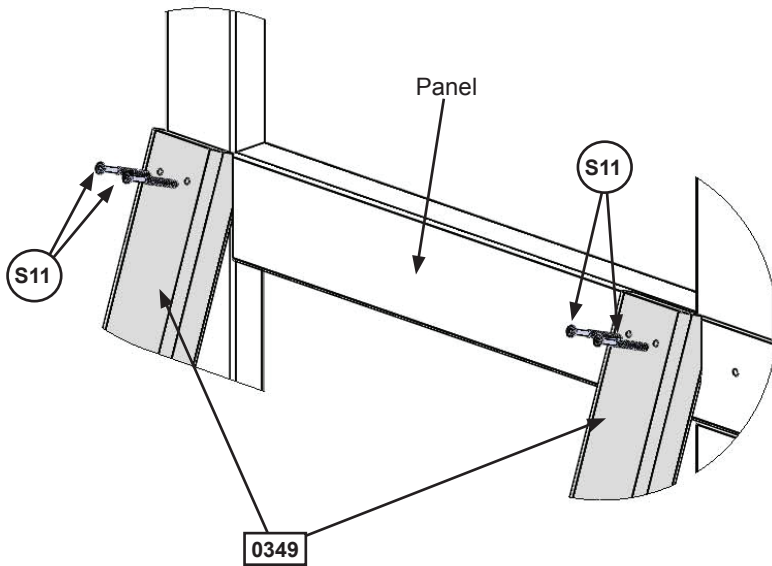


Fig. 15.2

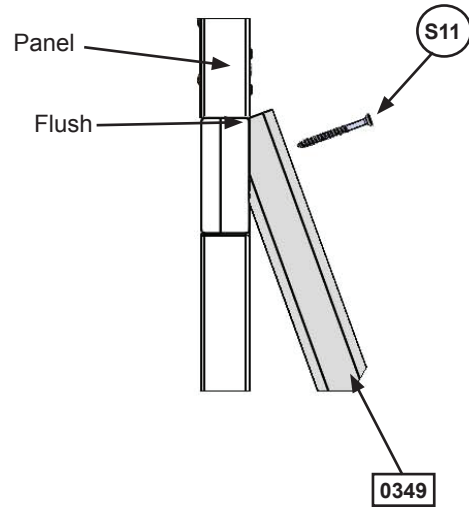
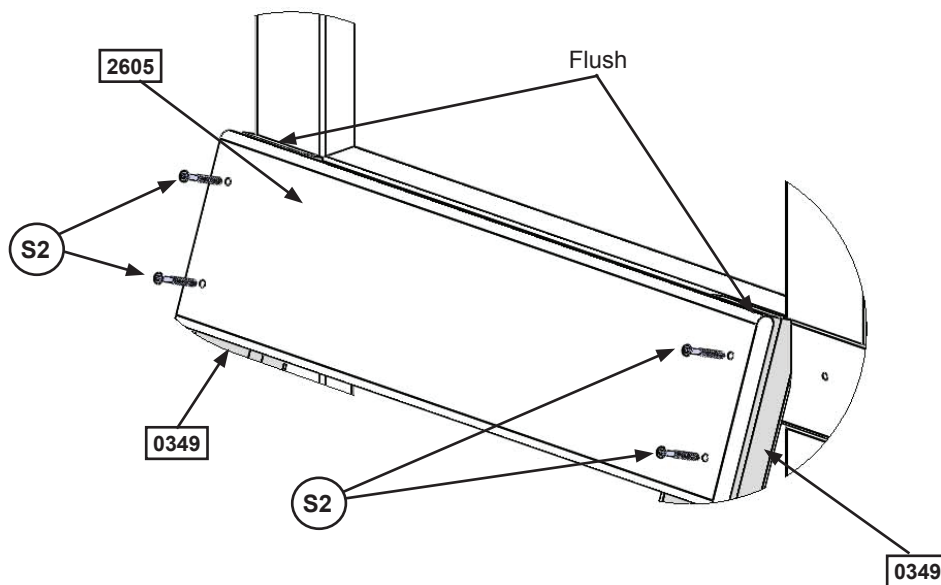


Fig. 15.3



### Wood Parts

1 x 2605 Access Board 1 x 6 x 19-3/4"

### Hardware

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

4 x S11 #8 x 2" Wood Screw

## Step 15: Attach Rock Wall Assembly to Fort

### Part 2

**C:** Drive 1 Rebar Ground Stake 13" into the ground against outside (0349) Rock Rail then attach with 1 (S7) #12 x 2" Pan Screw. Be careful not to hit the washer while hammering stake into the ground as this could cause the washer to break off. (fig. 15.4 and 15.5)

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

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

Fig. 15.4

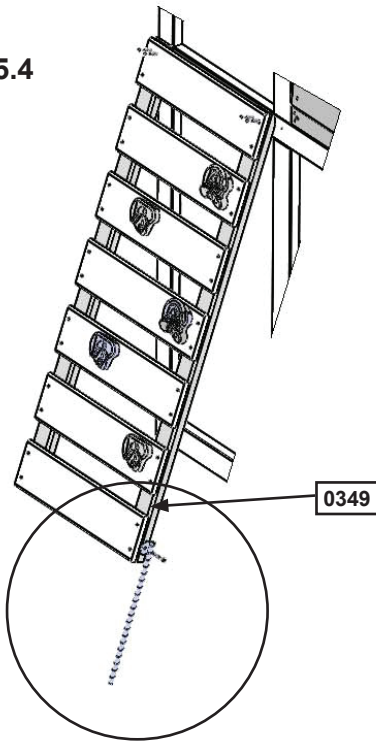
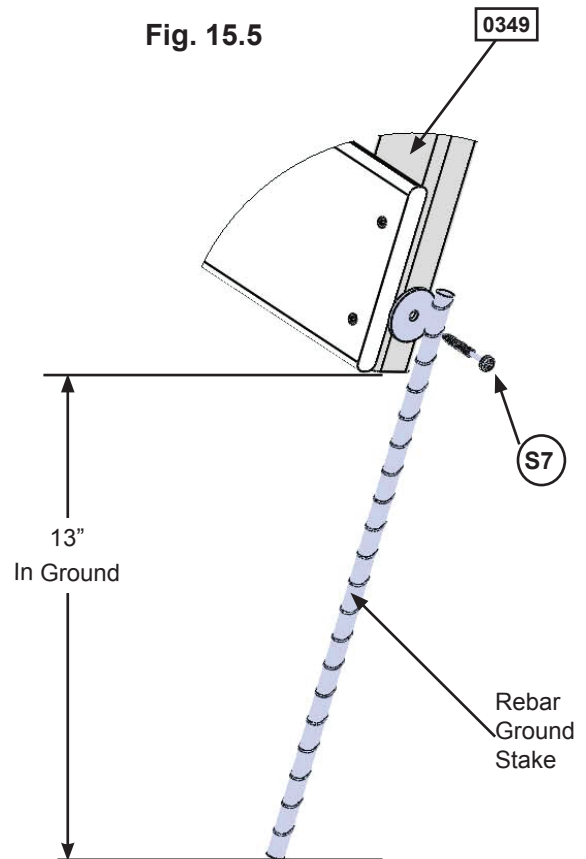


Fig. 15.5



#### Hardware

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

#### Other Parts

1 x Rebar Ground Stake

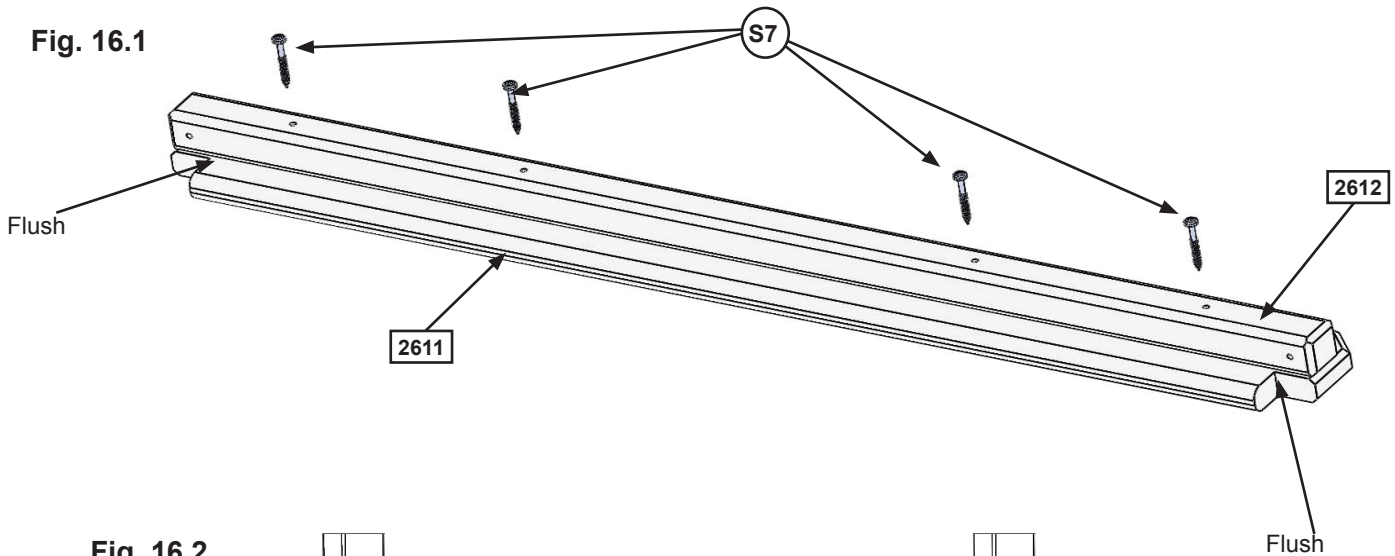


## Step 16: Cafe Table Assembly

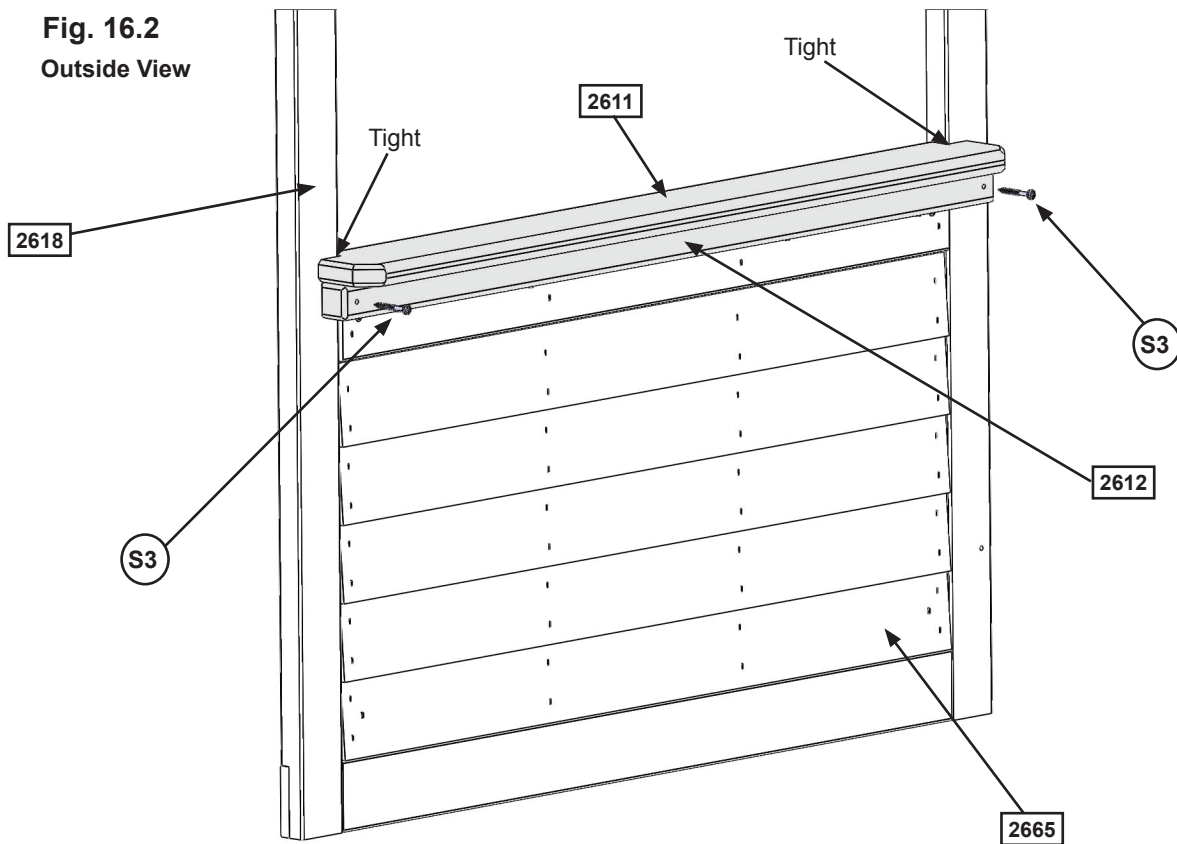
**A:** Place (2612) Table Support flush to the notched out ends of (2611) Table Top and attach with 4 (S7) #12 x 2" Pan Screws as shown in fig. 16.1.

**B:** Place Table Top Assembly tight in the opening of the back (2618) Front Back Panel on top of (2665) Half Wall Insert as shown in Fort Guide at the end of the instructions then attach (2612) Table Support to the panel with 2 (S3) #8 x 2-1/2" Wood Screws. (fig. 16.2)

**Fig. 16.1**



**Fig. 16.2**  
Outside View



### Wood Parts

- 1 x 2612 Table Support 2 x 2 x 39-5/8"
- 1 x 2611 Table Top 5/4 x 5 x 39-5/8"

### Hardware

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

## Step 17: Attach Cafe Canopy to Fort



**A:** Feed Cafe Canopy Frame through the pocket of the Cafe Canopy. (fig. 17.1)

**B:** With a helper hold the Canopy against the fort, centred on the (2618) Front Back Panel shown on the Fort Guide, make sure the Cafe Canopy is smooth and tight then attach to the panel with 1 (S5) #8 x 1/2" Pan Screw (with #8 flat washer), measure 1-1/2" down from the first screw then attach a second screw and washer. Follow measurements as shown in fig. 17.2 for remaining screws and washers. Measurements must be exact.

**C:** Hold the Cafe Canopy Frame against the panel and attach with 1 (S6) #12 x 1" Pan Screw per side. (fig. 17.2)

Fig. 17.1

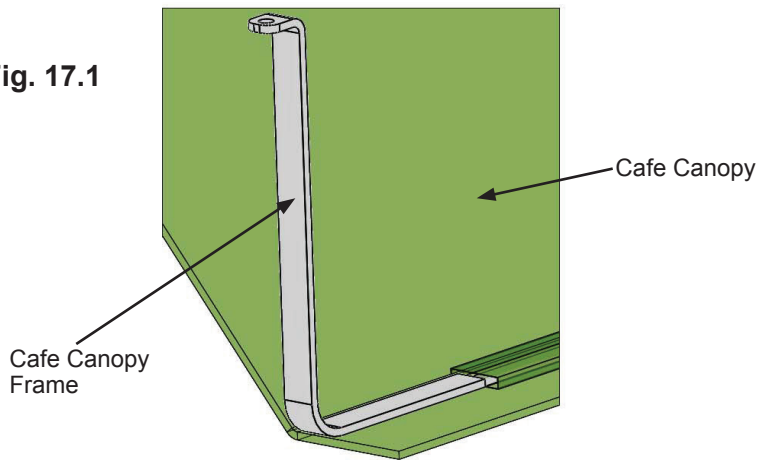
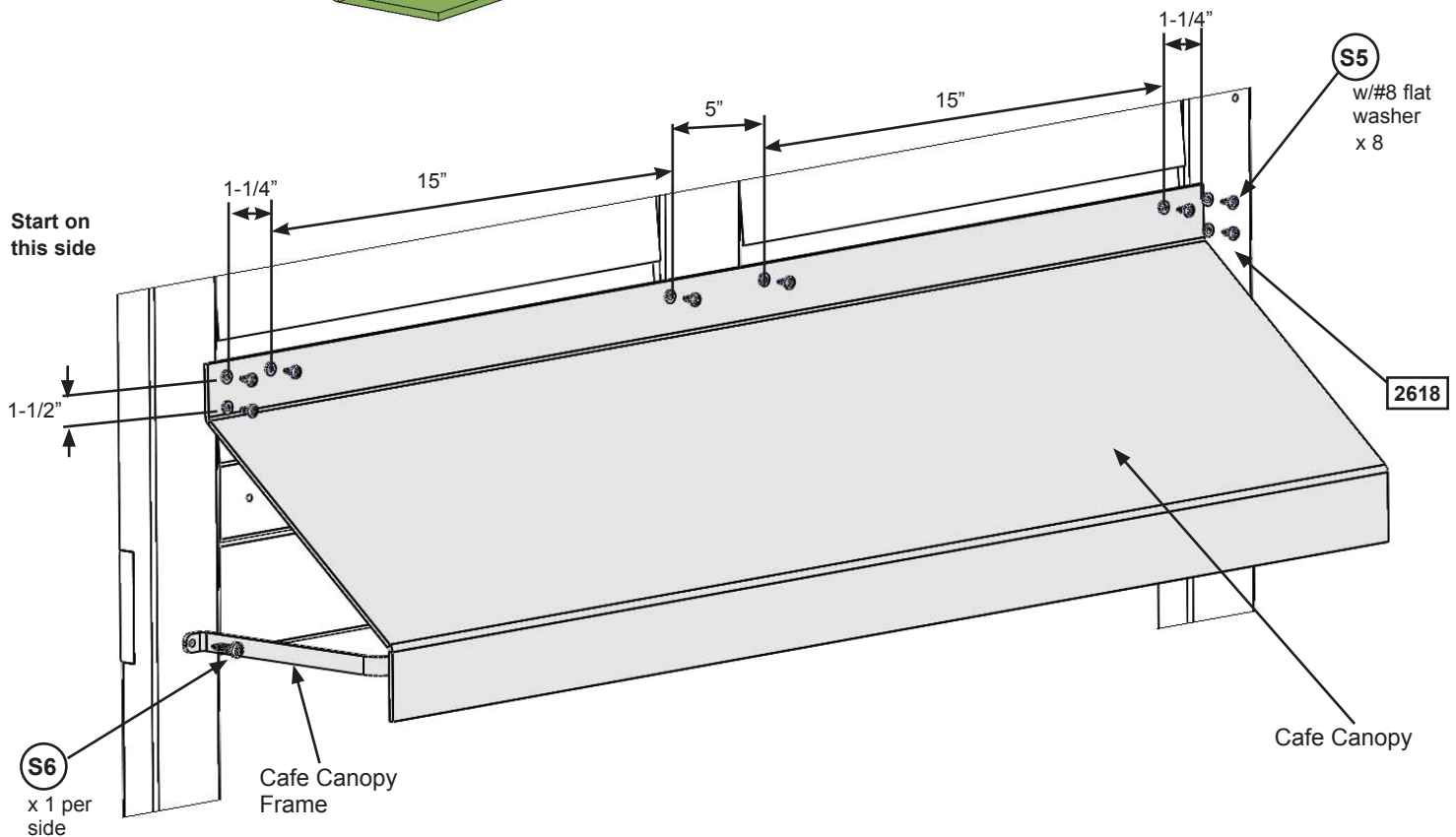


Fig. 17.2



### Hardware

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

### Other Parts

- 1 x Cafe Canopy Frame
- 1 x Cafe Canopy

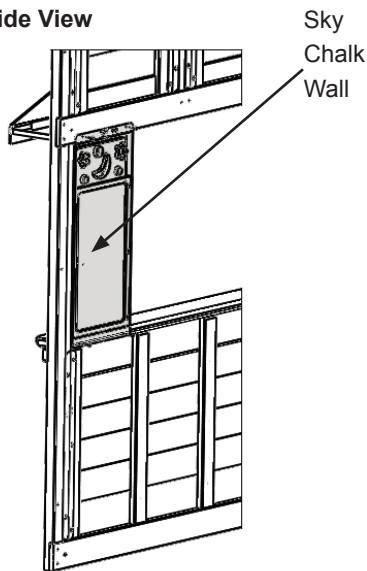


# Step 18: Attach Sky Chalk Wall to Fort

**A:** From inside the assembly place Sky Chalk Wall tight to (2611) Table Top and (2618) Front Back Panel then attach with 4 (S10) #8 x 1" Pan Screws from the inside and 1 (S10) #8 x 1" Pan Screw from the outside. (fig. 18.1, 18.2, 18.3 and 18.4)

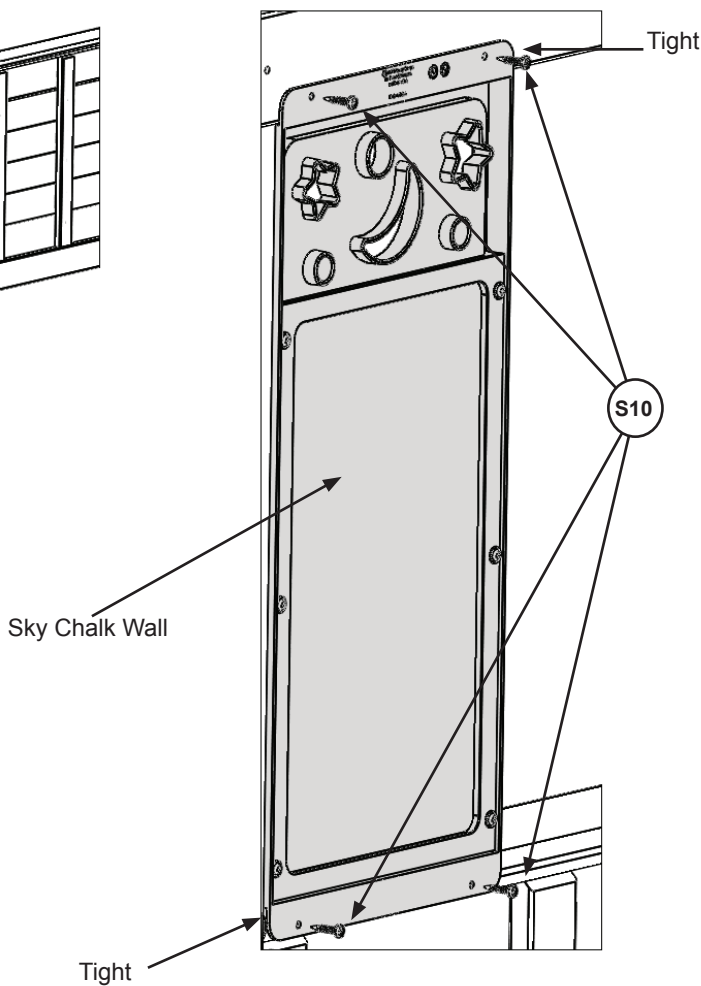
**Fig. 18.1**

Inside View



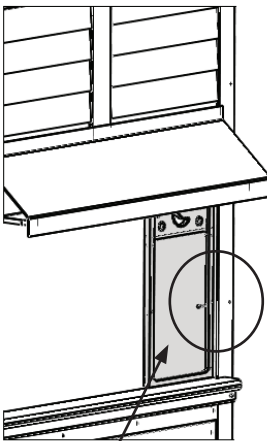
**Fig. 18.2**

Inside View



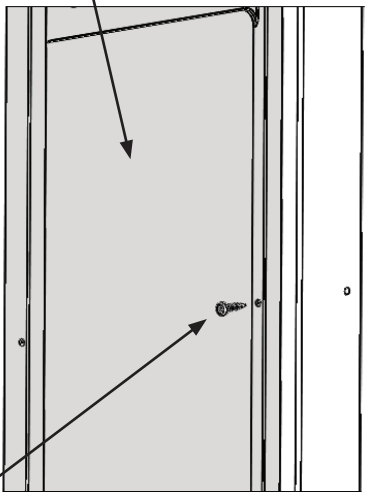
**Fig. 18.3**

Outside View



**Fig. 18.4**  
Outside View

Sky  
Chalk  
Wall



**Hardware**

5 x (S10) #8 x 1" Pan Screw

**Other Parts**

1 x Sky Chalk Wall

## Step 19: Attach Slides to Fort



**A:** At the front of the fort place each Slide in the centre of each opening of (2618) Front Back Panel, pre-drill with a 1/8" drill bit then attach both slides to fort through the panel using 3 (S7) #12 x 2" Pan Screws per slide. (fig. 19.1, 19.2 and 19.3)

Fig. 19.1

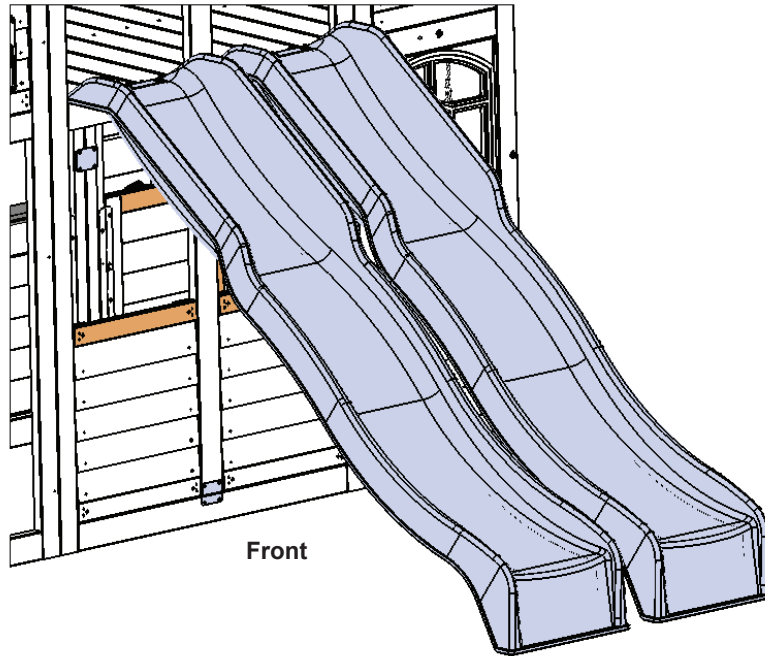


Fig. 19.2

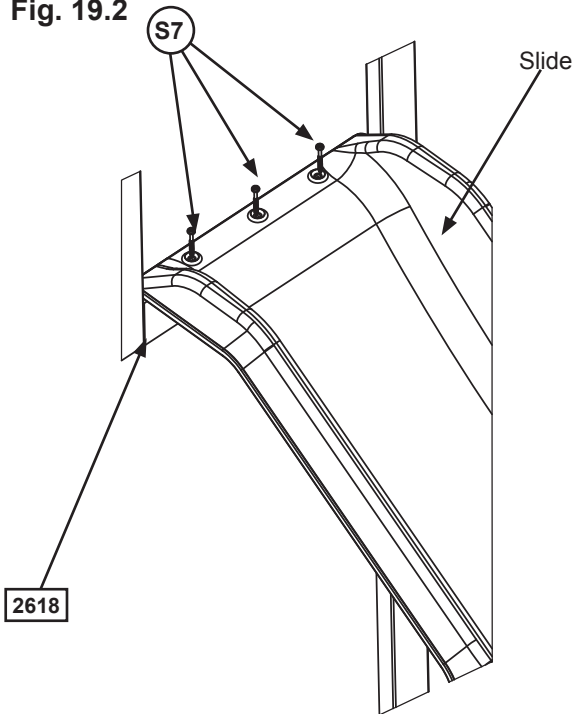
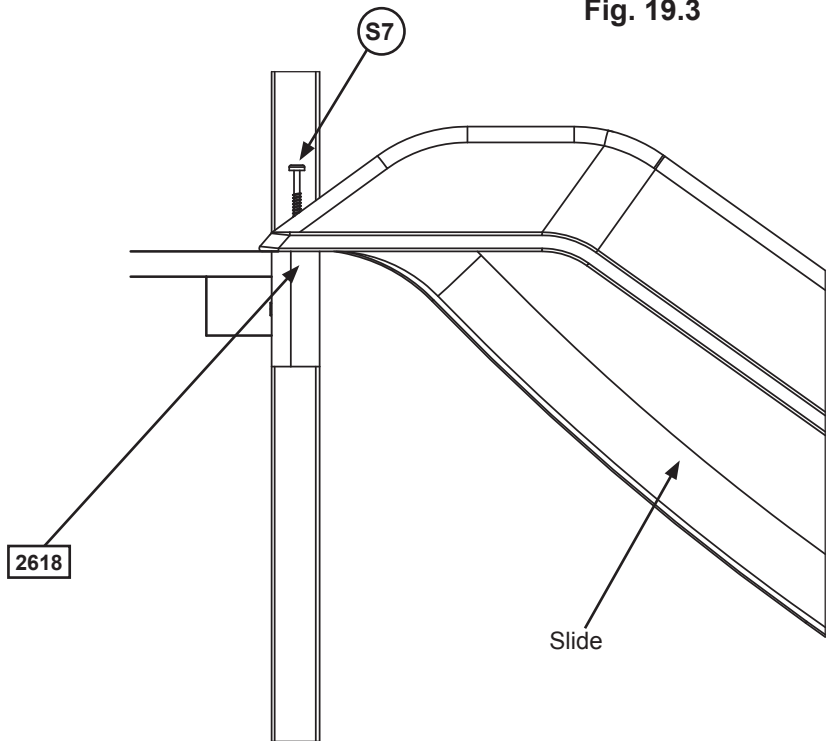



Fig. 19.3



### Hardware

6 x  #12 x 2" Pan Screw

### Other Parts

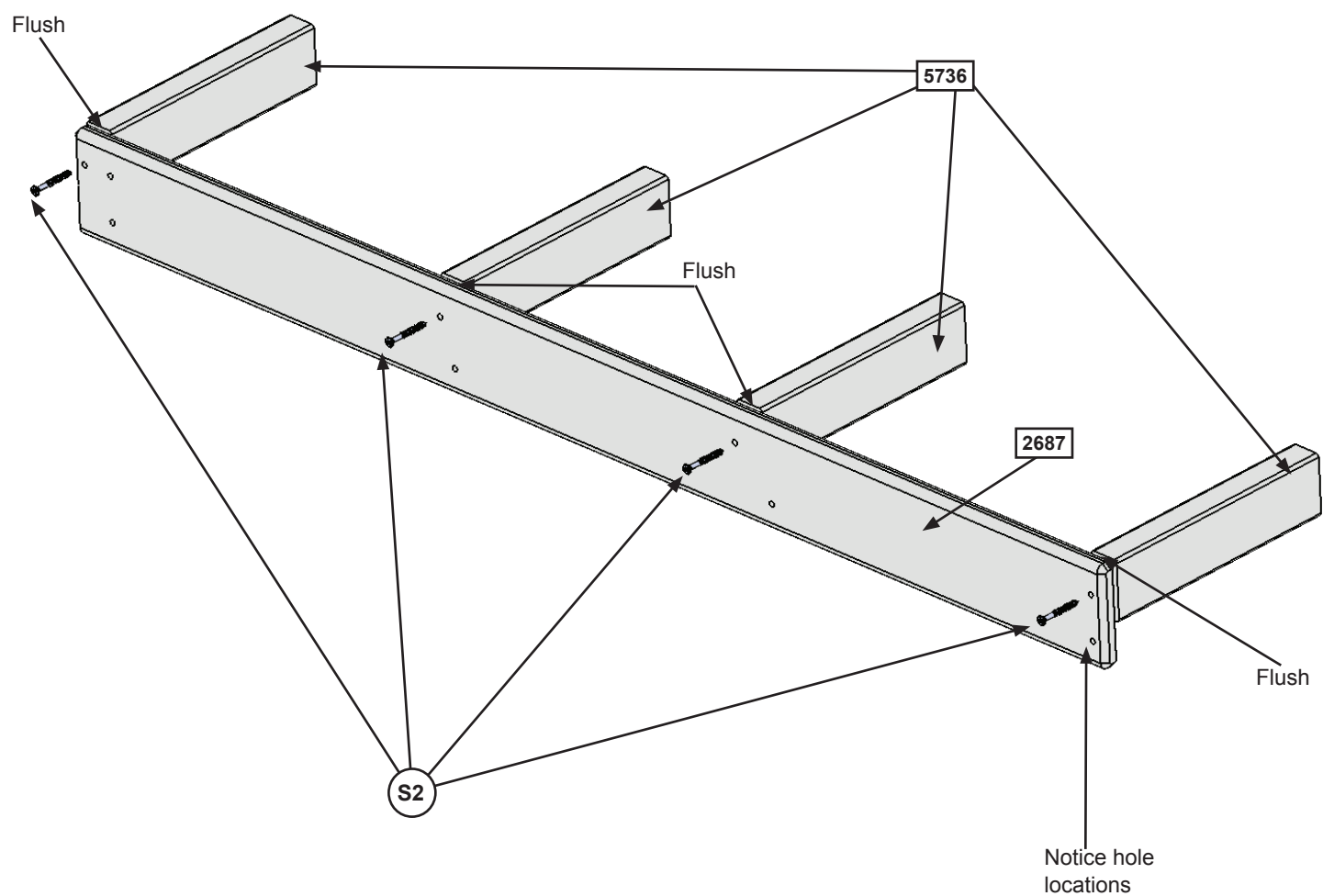
2 x Slide

# Step 20: Counter Assembly

## Part 1

- A:** Flush to each end and to the top of (2687) Counter Back attach 1 (5736) Counter Joist per end with 1 (S2) #8 x 1-1/2" Wood Screw per joist. Notice the remaining holes at the bottom of (2687) Counter Back. (fig. 20.1)
- B:** Place the remaining 2 (5736) Counter Joists centred over the pilot holes in the middle of (2687) Counter Back and flush to the top of the board, then attach, in the top holes, with 1 (S2) #8 x 1-1/2" Wood Screw per joist. (fig. 20.1)

Fig. 20.1



**Wood Parts**

**Hardware**

- 1 x (2687) Counter Back 1 x 4 x 40-5/8"
- 4 x (5736) Counter Joist 1 x 2 x 8-1/4"

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

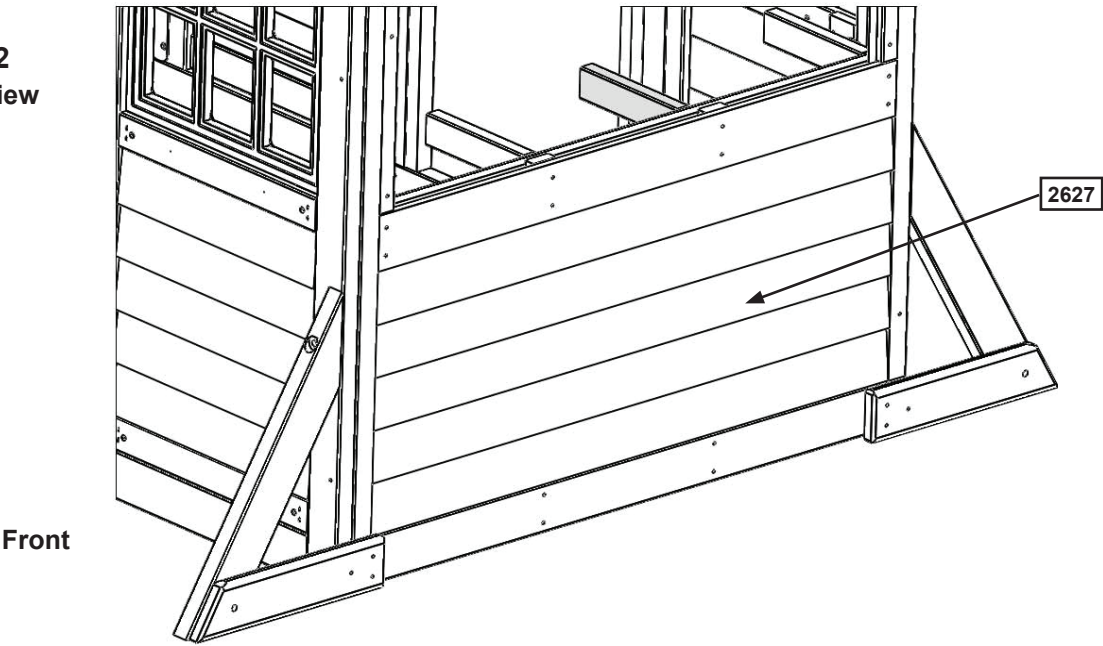
# Step 20: Counter Assembly

## Part 2

C: On the inside of (2627) SW Wall Panel place Counter Assembly so the top of (2687) Counter Back is flush to the top of the opening then attach with 5 (S2) #8 x 1-1/2" Wood Screws. (fig. 20.2 and 20.3)

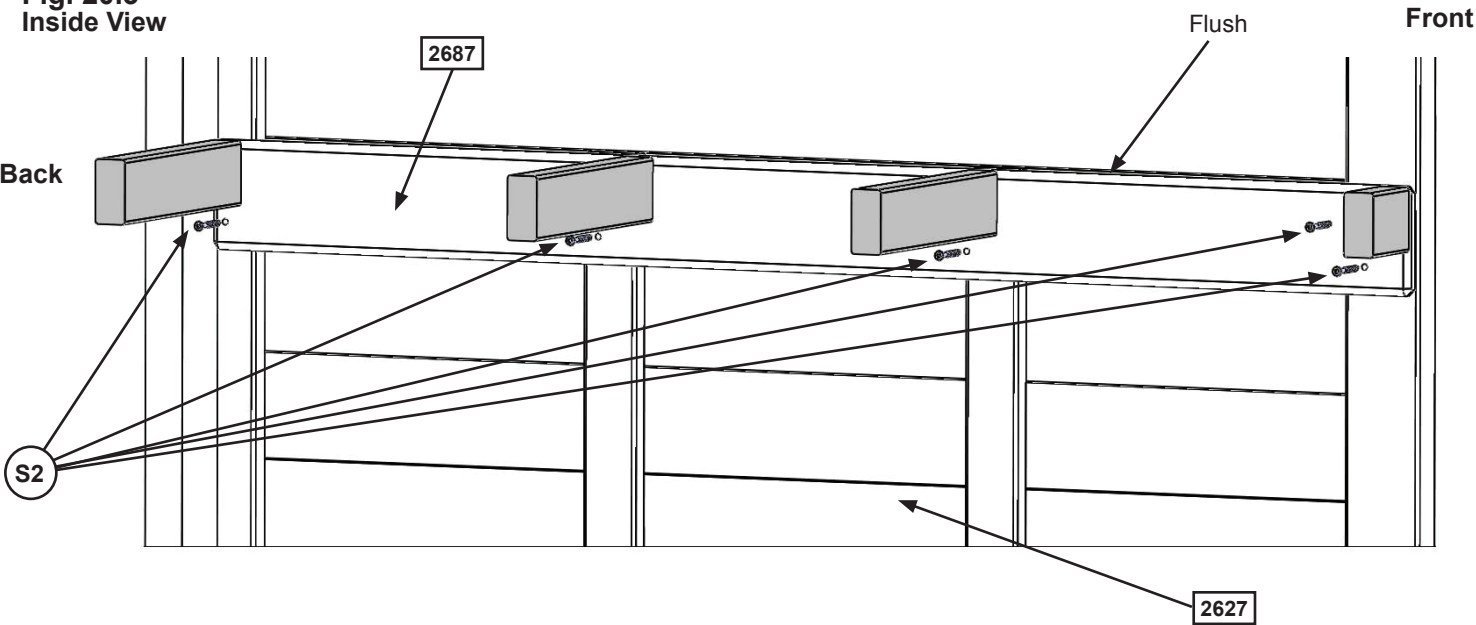
Back

Fig. 20.2  
Outside View



Front

Fig. 20.3  
Inside View



**Hardware**

5 x (S2) #8 x 1-1/2" Wood Screw

# Step 20: Counter Assembly

## Part 3

D: Place 1 (6136) Counter Brace flush to the front and outside edge of each outer (5736) Counter Joist and tight to (2627) SW Wall Panel then attach with 2 (S3) #8 x 2-1/2" Wood Screws per brace. (fig. 20.4 and 20.5)

Fig. 20.4

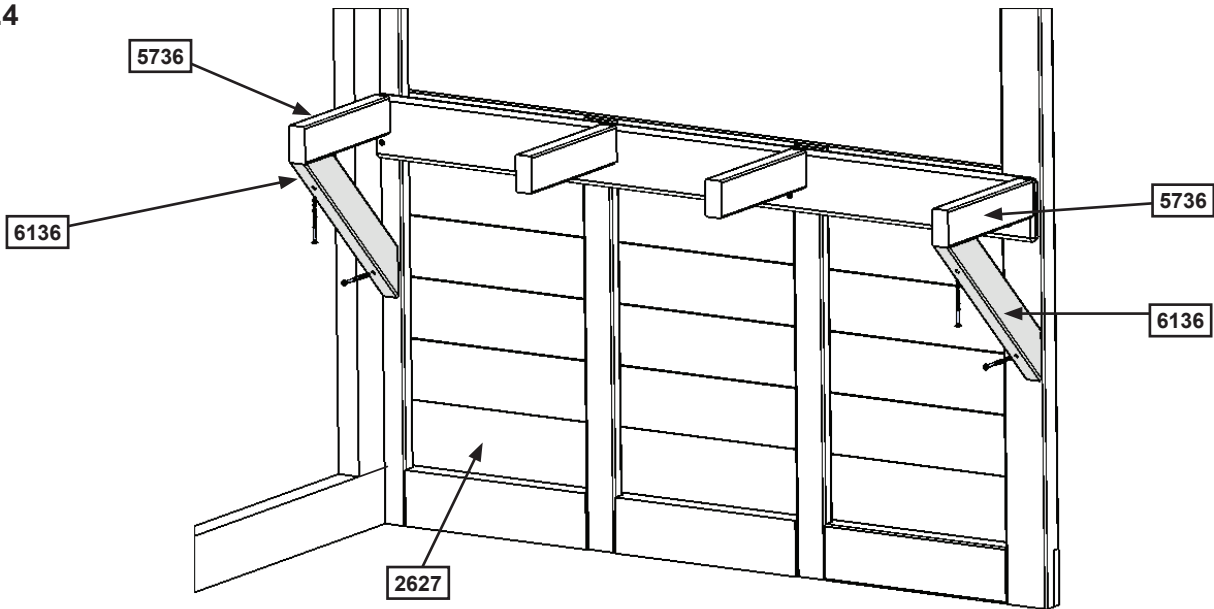
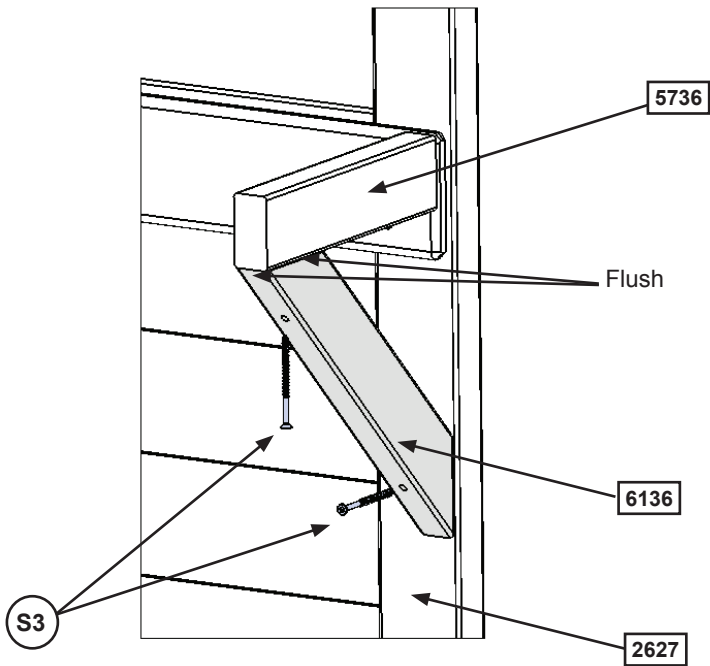


Fig. 20.5



**Wood Parts**

**Hardware**

2 x 6136 Counter Brace 1 x 2 x 12-9/16"

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

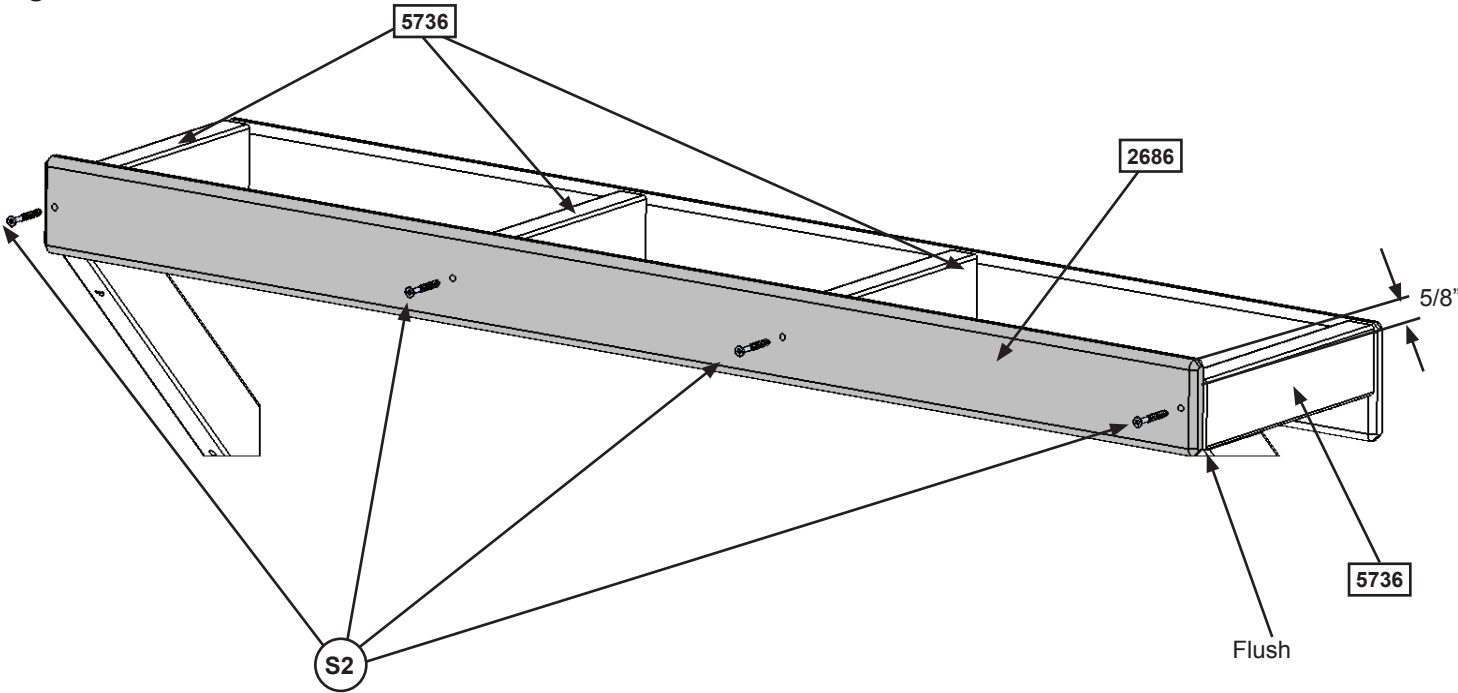
# Step 20: Counter Assembly

## Part 4



E: Place (2686) Counter Front against (5736) Counter Joists so the ends are flush and the centre (5736) Counter Joists are centred over the pilot holes. Measure 5/8" down from the top of (2686) Counter Front on both ends and attach to the (5736) Counter Joists with 4 (S2) #8 X 1-1/2" Wood Screws. (fig. 20.6)

Fig. 20.6



### Wood Parts

### Hardware

1 x 2686 Counter Front 5/8 x 2-3/4 x 40-5/8"

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

## Step 20: Counter Assembly Part 5

**F:** Tight to (2687) Counter Back attach (2685) Counter Top to each (5736) Counter Joist with 4 (TS) #6 x 30 mm Trim Screws. (fig. 20.7)

**G:** Tight to (2685) Counter Top and flush to the outside edges of the outer (5736) Counter Joists attach 1 (5536) Counter Side per joist with 3 (TS) #6 x 30 mm Trim Screws per board. (fig. 20.7)

**H:** Tight to (2685) Counter Top and centred over the middle 2 (5736) Counter Joists with ends flush to the outside edges attach 2 (2716) Counter Mid Tops with 4 (TS) #6 x 30 mm Trim Screws per board. (fig. 20.7)

**I:** Attach (2685) Counter Top to (2627) SW Wall Panel with 2 (TS) #6 x 30 mm Trim Screws per board. (fig. 20.8)

Fig. 20.7

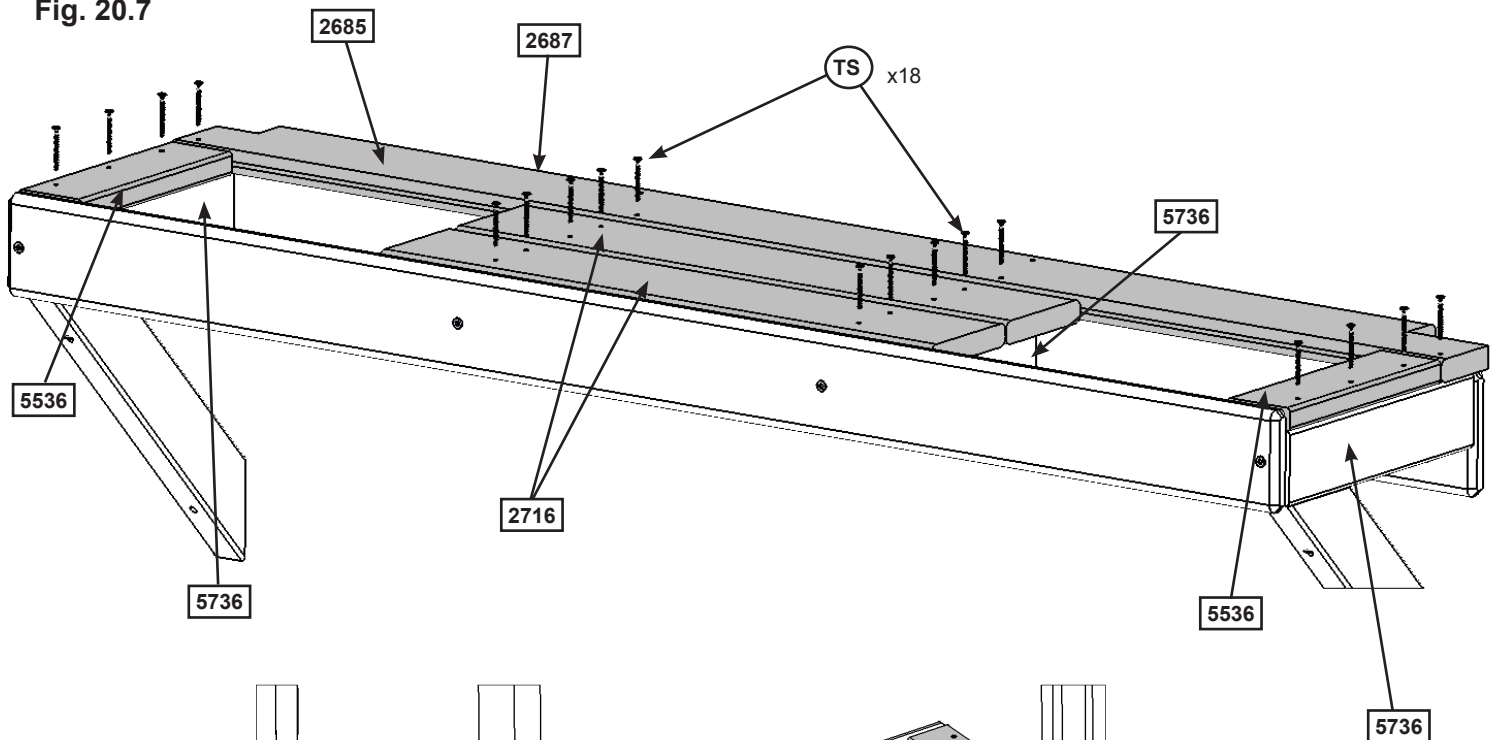
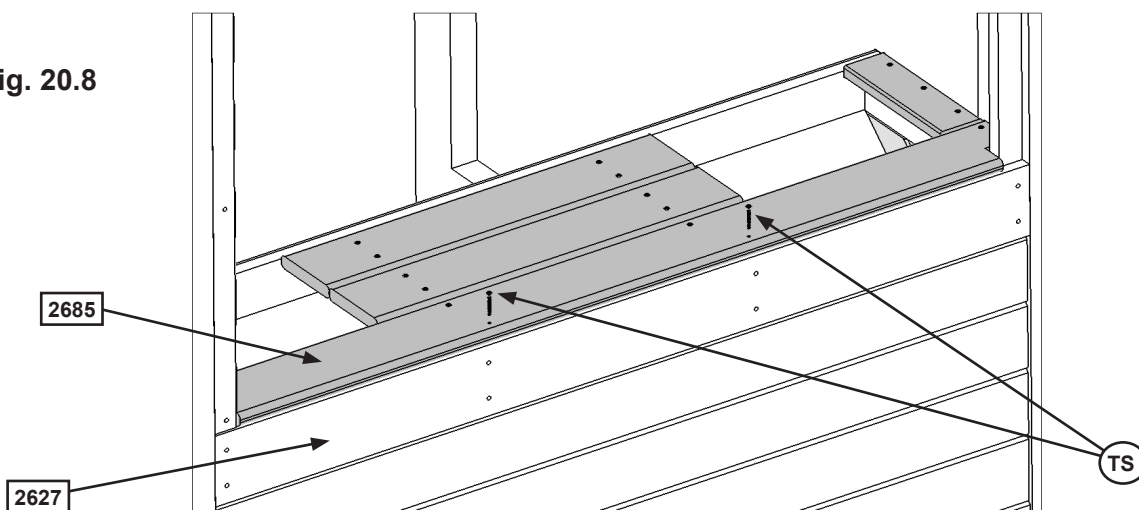


Fig. 20.8



### Wood Parts

- 2 x 2716 Counter Mid Top 1 x 4 x 17-5/8"
- 1 x 2685 Counter Top 1 x 4 x 40-5/8"
- 2 x 5536 Counter Side 5/8 x 2 x 6-3/4"

### Hardware

- 20 x TS #6 x 30 mm Trim Screw

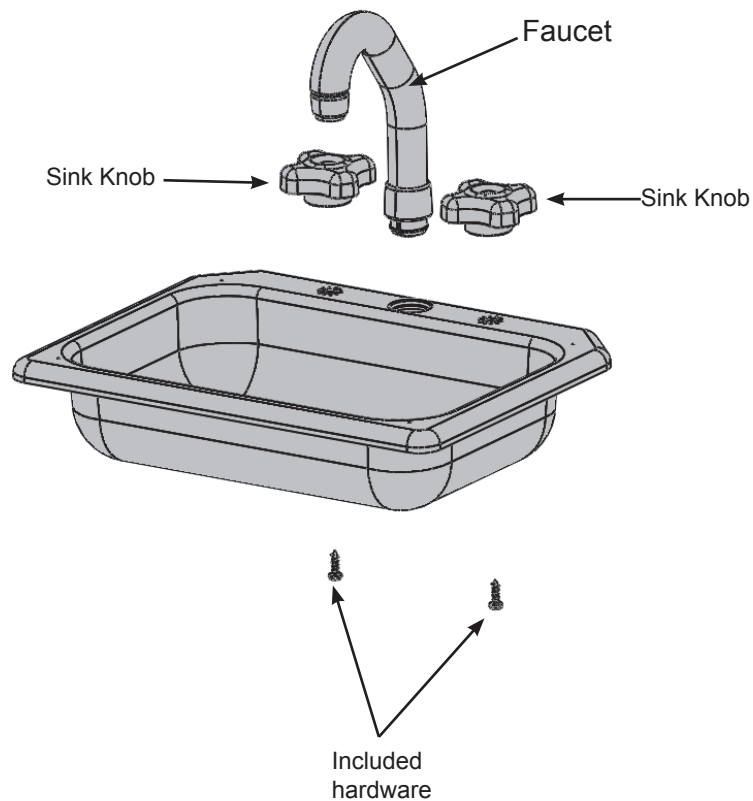


## Step 20: Counter Assembly Part 6

**J:** Place Faucet and 2 Sink Knobs in opening of Sink and attach Sink Knobs with included hardware. (fig. 20.9)

**Important:** Use a hand held screw driver and **DO NOT** over tighten.

**Fig. 20.9**



### Other Parts

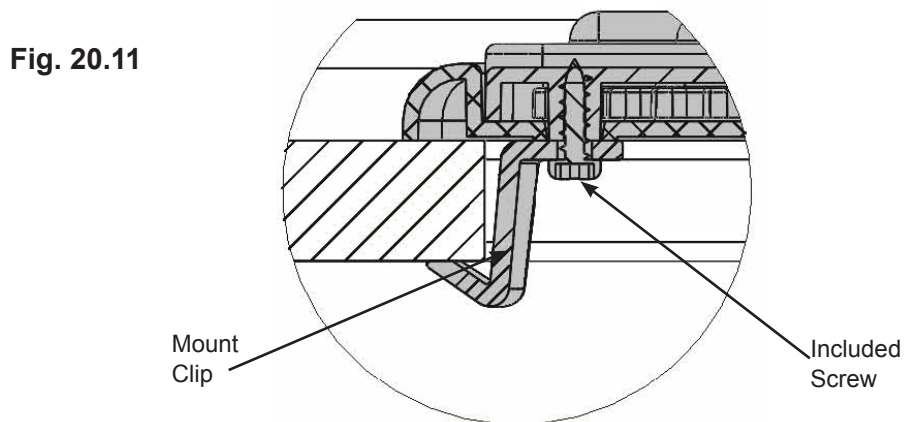
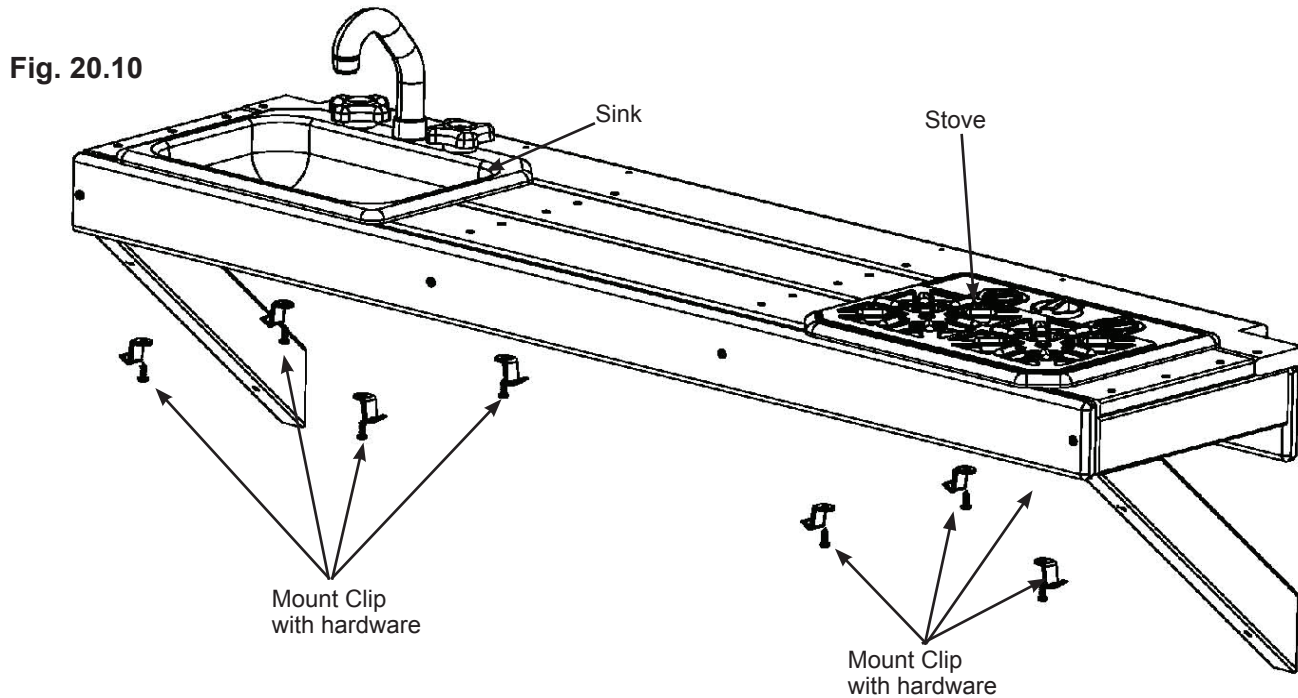
1 x Sink  
2 x Sink Knobs  
1 x Faucet

## Step 20: Counter Assembly Part 7

**K:** Place Sink and Stove in the openings of the Counter Assembly then attach 4 Mount Clips with included hardware to the bottom of the Sink and Stove to secure in place. (fig. 20.10 and 20.11)

**Important:** Use a hand held screw driver and **DO NOT** over tighten.

Note: To remove the Sink or Stove loosen screw 1/4 turn then twist Mount Clips.



### Other Parts

1 x Stove  
8 x Mount Clip

# Step 21: Attach Utensil Shelf

**A:** From inside the assembly, centred in the top of the opening of (2627) SW Wall Panel above the counter attach Utensil Shelf with 2 (S5) #8 x 1/2" Pan Screws as shown in fig. 21.1 and 21.2.

**B:** Attach Pot, Pan and Spatula to the Utensil Shelf. (fig. 21.2 and 21.3)

Fig. 21.1

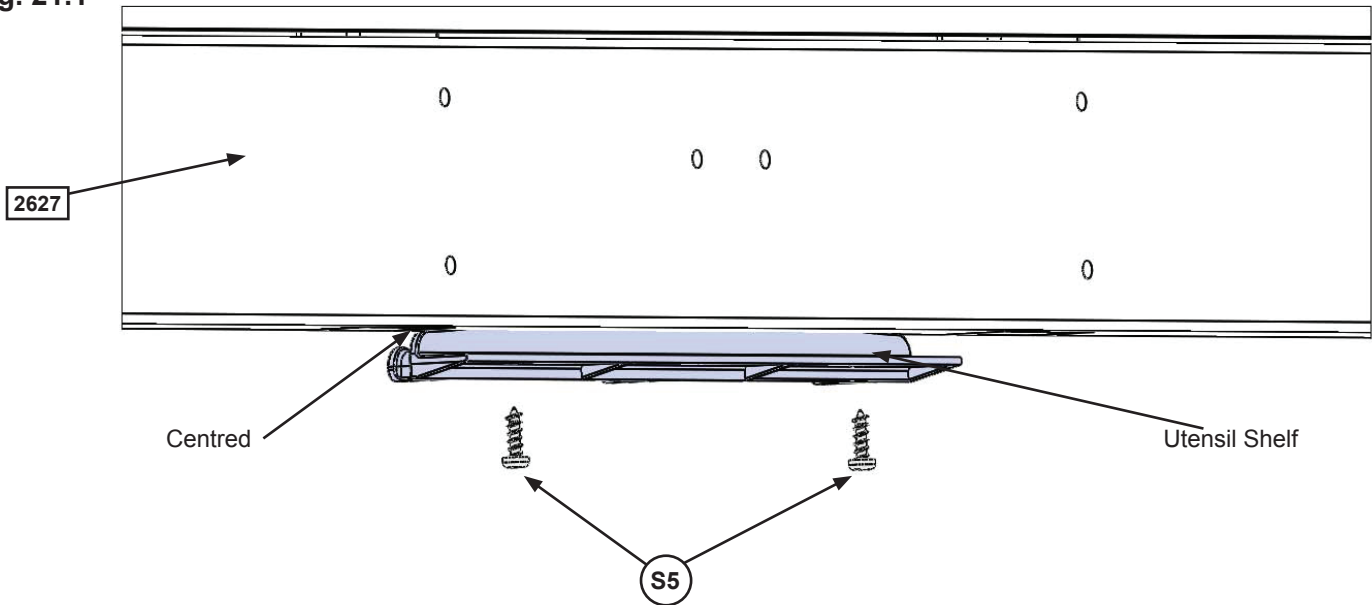


Fig. 21.2

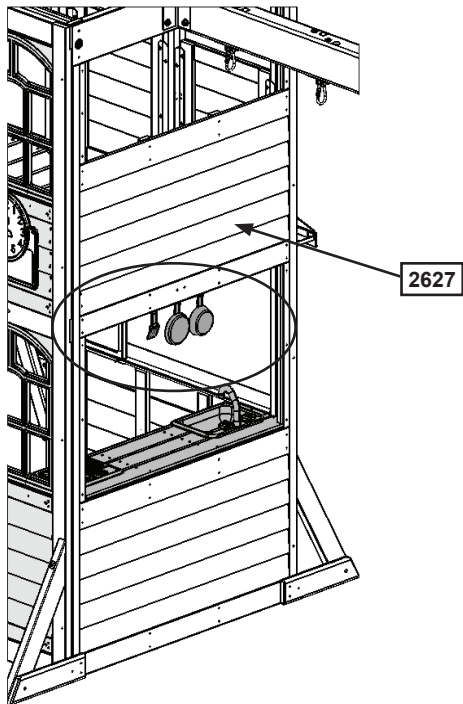
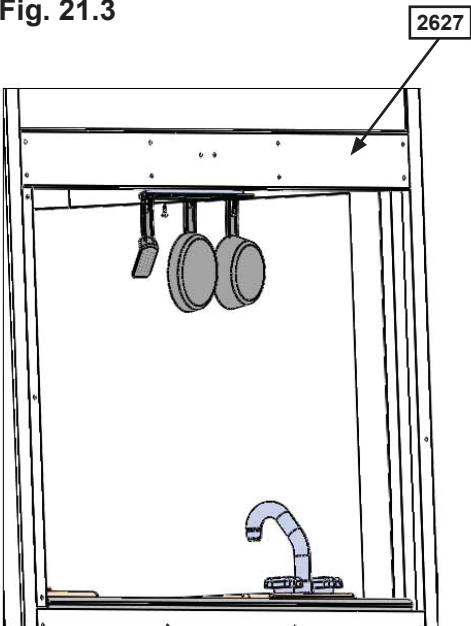


Fig. 21.3



**Hardware**

2 x (S5) #8 x 1/2" Pan Screw

**Other Parts**

- 1 x Utensil Shelf
- 1 x Pot
- 1 x Pan
- 1 x Spatula

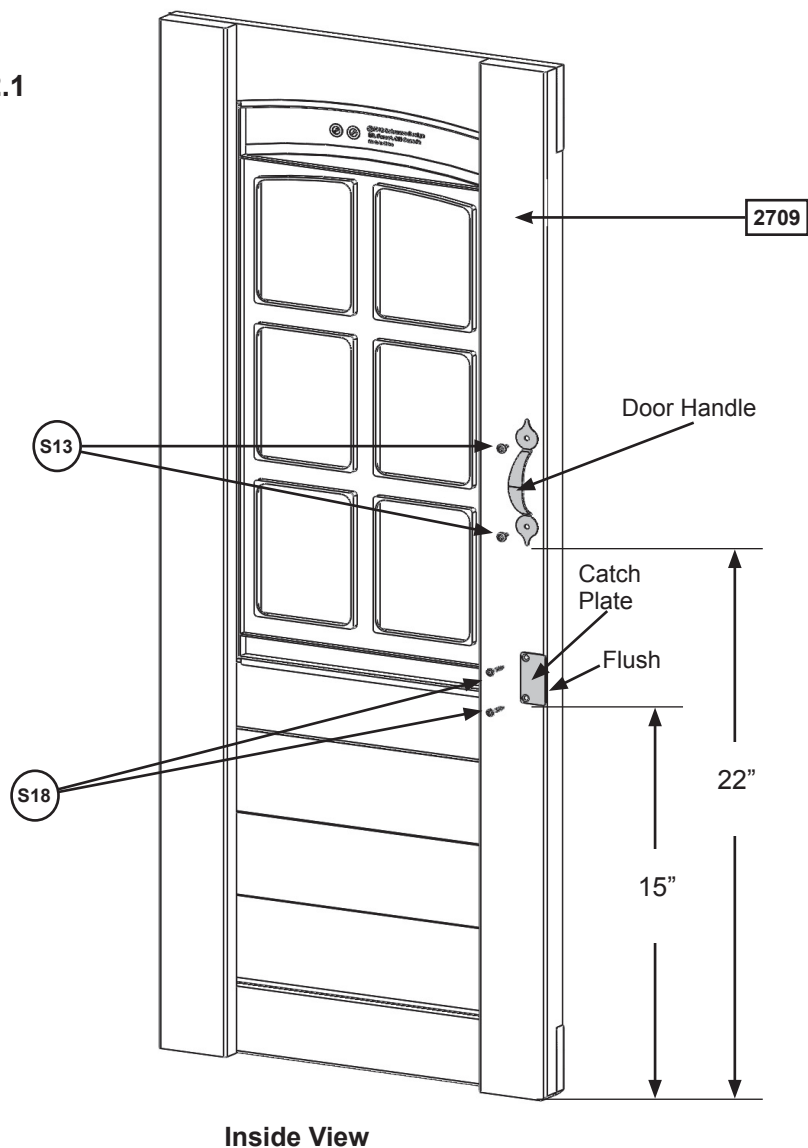
# Step 22: Attach Door Components

## Part 1



- A:** On the inside of (2709) Door Window Panel measure 15" up from the bottom and attach Catch Plate flush to the edge using 2 (S18) #6 x 1" Wood Screws. (fig. 22.1)
- B:** On the inside of (2709) Door Window Panel measure 22" up from the bottom and attach 1 Door Handle using 2 (S13) #6 x 5/8" Pan Screws. (fig. 22.1)

Fig. 22.1



### Wood Parts

1 x 2709 Door Window Panel 1-1/4 x 15-3/4 x 40-3/4"

### Hardware

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

### Other Parts

1 x Door Handle  
1 x Catch Plate

## Step 22: Attach Door Components Part 2



**C:** On the outside of the (2709) Door Window Panel attach the second Door Handle at approximately the same place as the one on the inside. Use 2 (S13) #6 x 5/8" Pan Screws. (fig. 22.2)

**D:** On the opposite side of the Door Handle measure 5/8" from the top and bottom of (2709) Door Window Panel attach 2 Door Hinges on the outside using 3 (S13) #6 x 5/8" Pan Screws per Hinge. (fig. 22.2 and 22.4)

**Note:** Hinge stops must be tight to (2709) Door Window Panel. (fig. 22.3)

Fig. 22.2

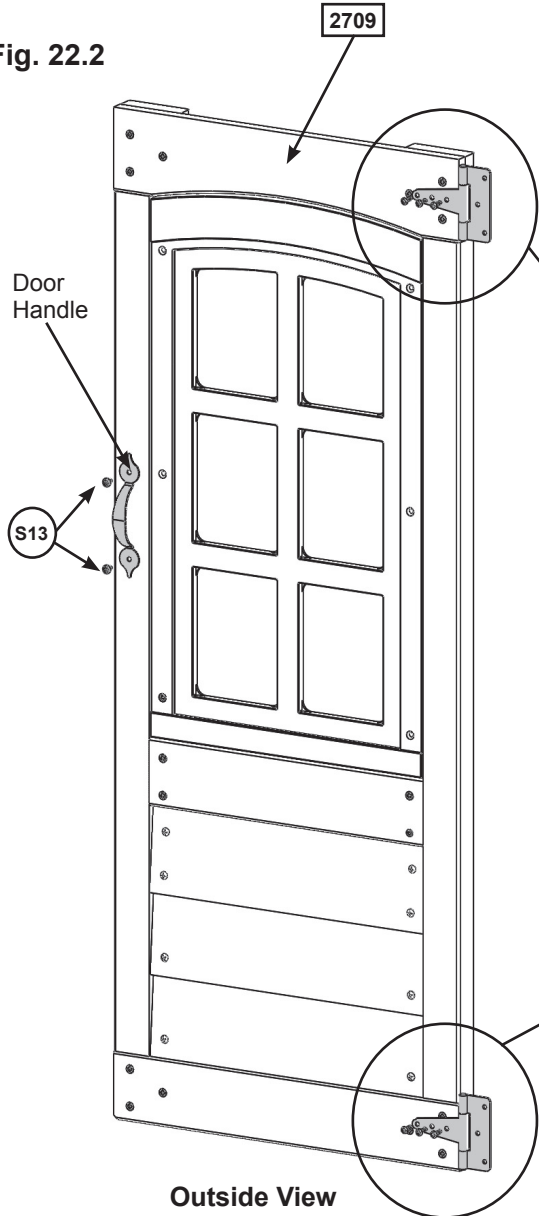


Fig. 22.3  
Top View

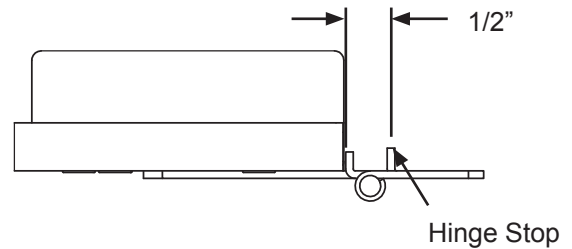
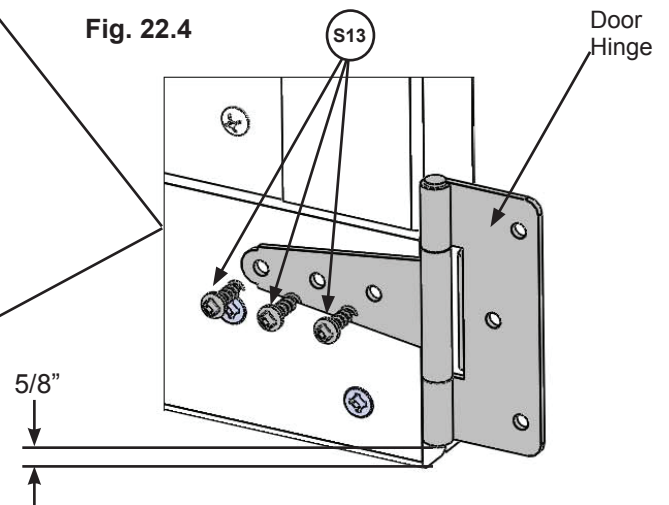


Fig. 22.4



### Hardware

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

### Other Parts

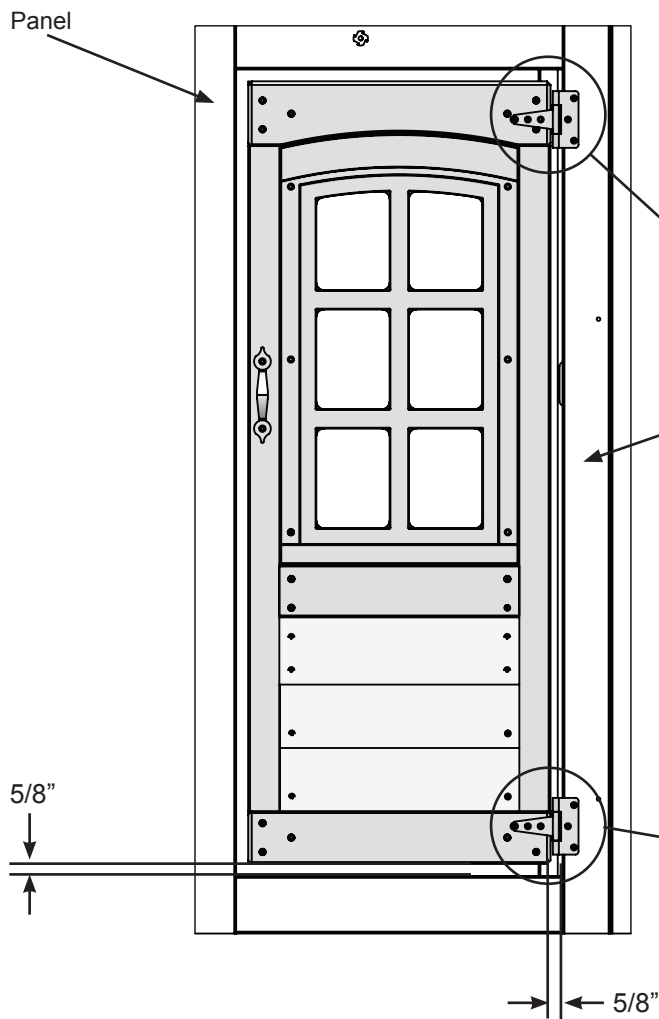
1 x Door Handle  
2 x Door Hinge

# Step 23: Attach Door Assembly to Fort

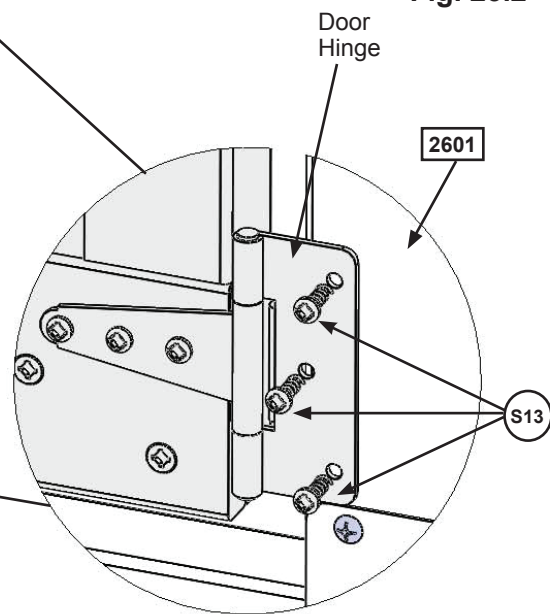


**A:** In the opening for the door on the Front Wall, measure 5/8" up from the bottom of the opening and maximum 5/8" from (2677) Narrow Panel and attach the remaining side of the hinges to (2677) Narrow Panel using 3 (S13) #6 x 5/8" Pan Screws per hinge. (fig. 23.1 and 23.2)

**Fig. 23.1**  
Outside View



**Fig. 23.2**



**Hardware**

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

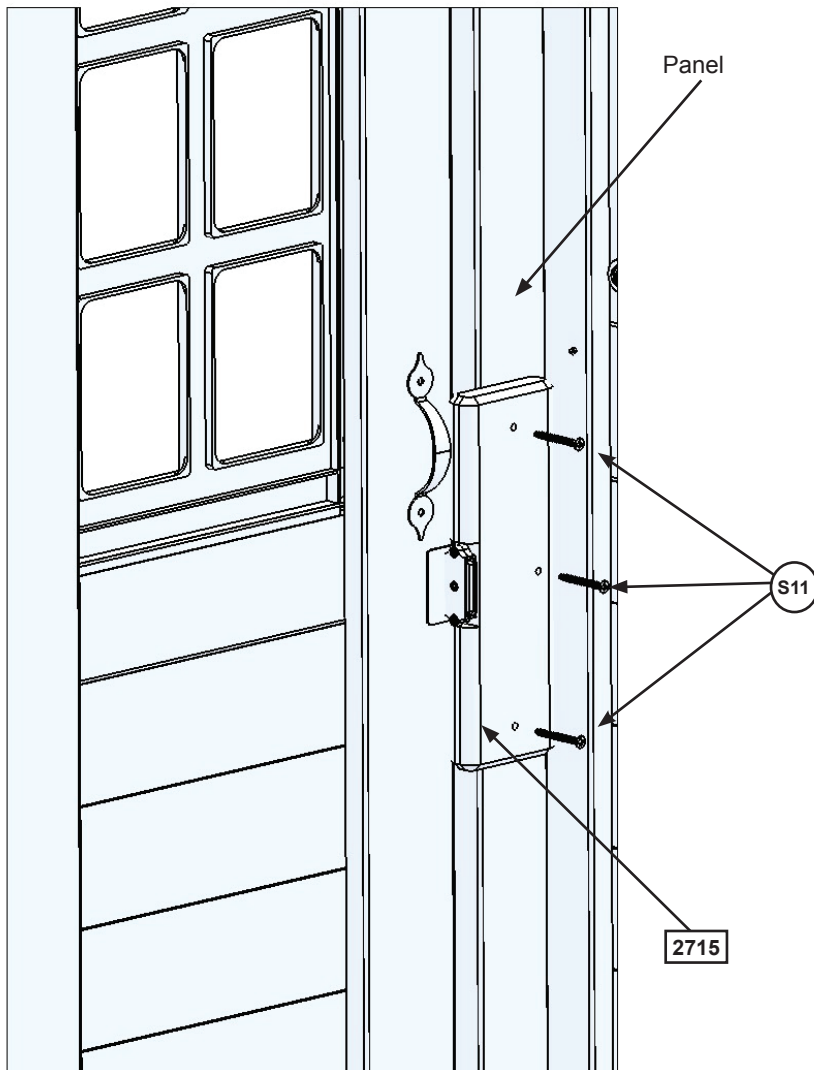
## Step 24: Attach Door Stop



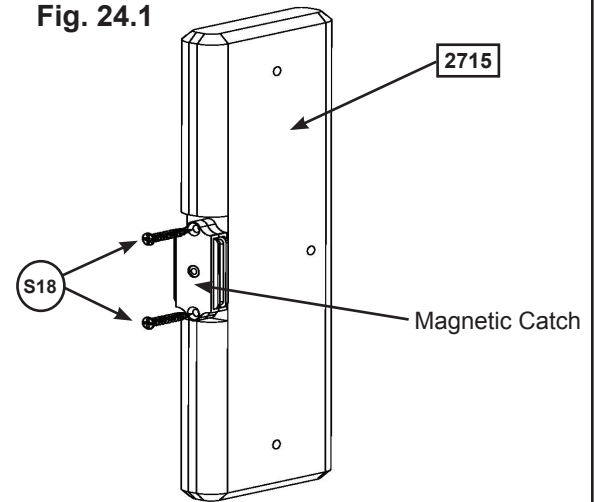
**A:** In the notched out opening of (2715) Door Stop attach the Magnetic Catch using 2 (S18) #6 x 1" Wood Screws. (fig. 24.1) **Important: Use a hand held screw driver and DO NOT over tighten.**

**B:** On the inside of the assembly, attach (2715) Door Stop to the panel with 3 (S11) #8 x 2" Wood Screws, making sure (2715) Door Stop overhangs the panel by 1-1/4" and is in position to receive the Catch Plate. (fig. 24.2 and 24.3).

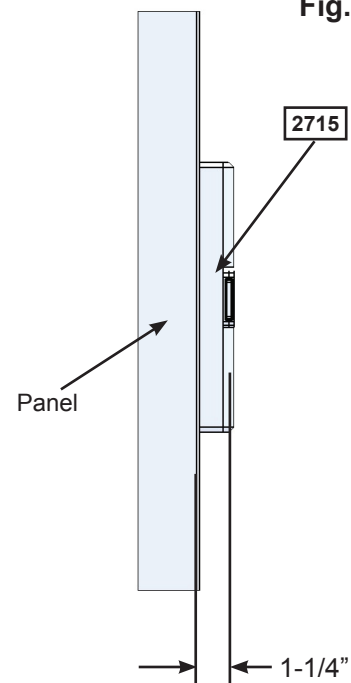
**Fig. 24.2**  
Inside View



**Fig. 24.1**



**Fig. 24.3**



### Wood Parts

1 x 2715 Door Stop 5/4 x 3 x 10"

### Hardware

2 x S18 #6 x 1" Wood Screw

3 x S11 #8 x 2" Wood Screw

### Other Parts

1 x Magnetic Catch



# Step 25: Roof Support Assemblies

**A:** Attach 1 (2617) Roof Support to a second (2617) Roof Support at peak using 1 (S4) #8 x 3" Wood Screw. Repeat this step so there are 2 Roof Support Assemblies. (fig. 25.1)

**B:** Attach 1 (2680) Roof Support to a second (2680) Roof Support at peak using 1 (S4) #8 x 3" Wood Screw. Repeat this step so there are 2 Small Roof Support Assemblies. (fig. 25.2)

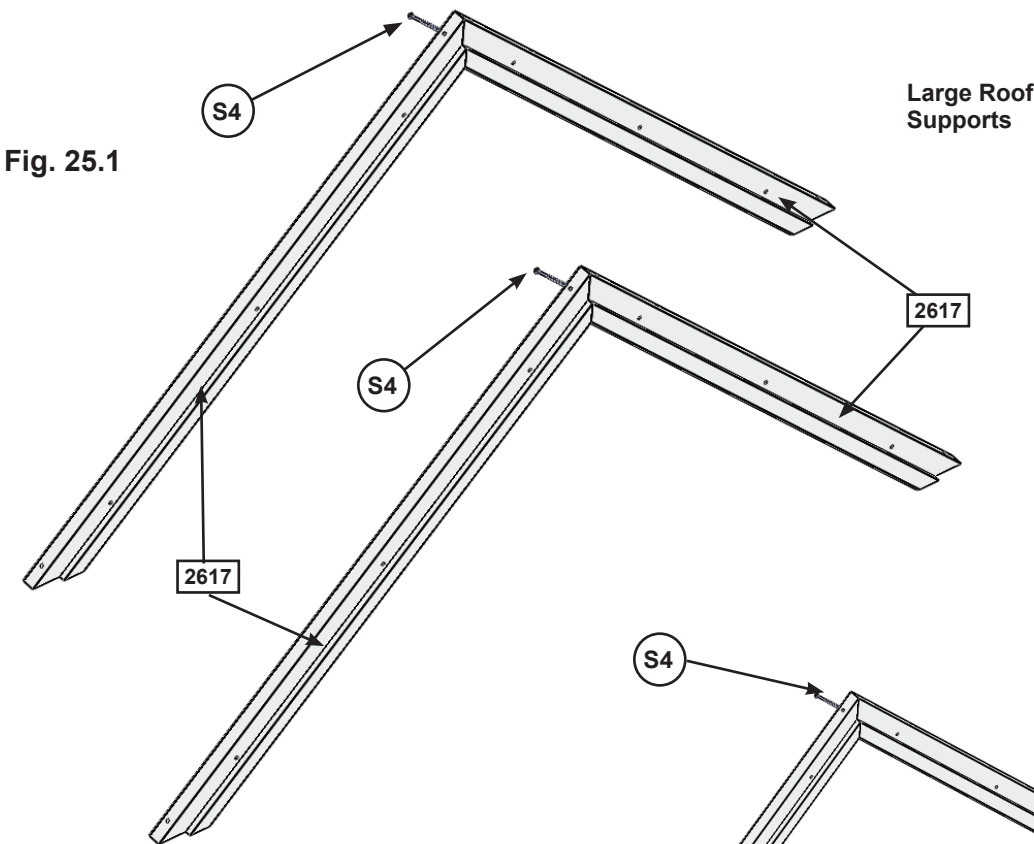
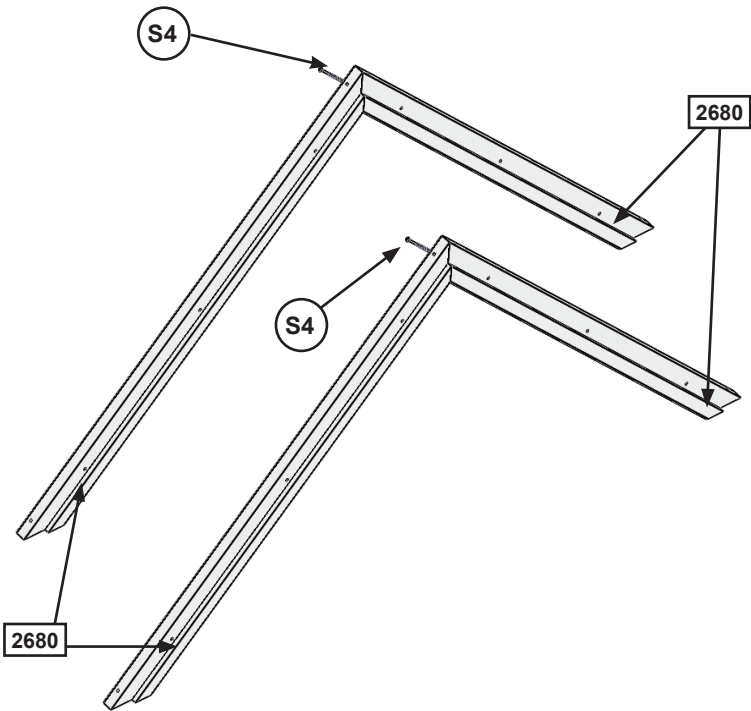


Fig. 25.2



**Wood Parts**

**Hardware**

- 4 x 2617 Roof Support 1-1/4 x 2-1/4 x 37-1/2"
- 4 x 2680 Roof Support 1-1/4 x 2-1/4 x 34-1/16"

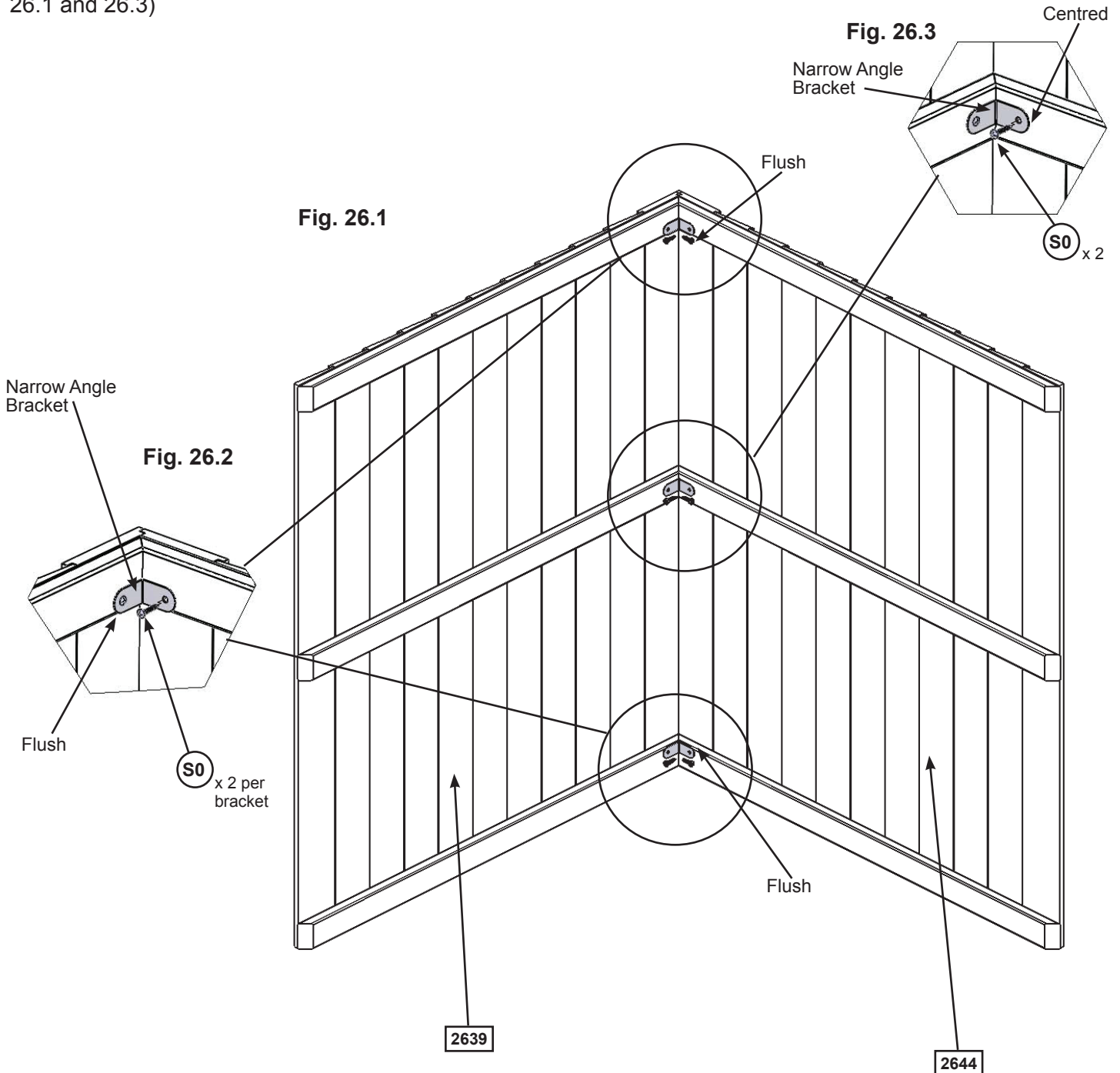
- 4 x S4 #8 x 3" Wood Screw

# Step 26: Large Roof Assembly Part 1



**A:** Place (2644) Front Roof Panel against (2639) Back Roof Panel so the tops form a peak then tight to the inside edge of the outside slats attach 1 Narrow Angle Bracket per slat with 2 (S0) #8 x 7/8" Truss Screws per bracket. (fig. 26.1 and 26.2)

**B:** Attach the third Narrow Angle Bracket centred on the middle slat with 2 (S0) #8 x 7/8" Truss Screws. (fig. 26.1 and 26.3)



## Wood Parts

- 1 x 2644 Front Roof Panel 1-1/4 x 37 x 44"
- 1 x 2639 Back Roof Panel 1-1/4 x 36-3/4 x 44"

## Hardware

- 6 x S0 #8 x 7/8" Truss Screw

## Other Parts

- 3 x Narrow Angle Bracket

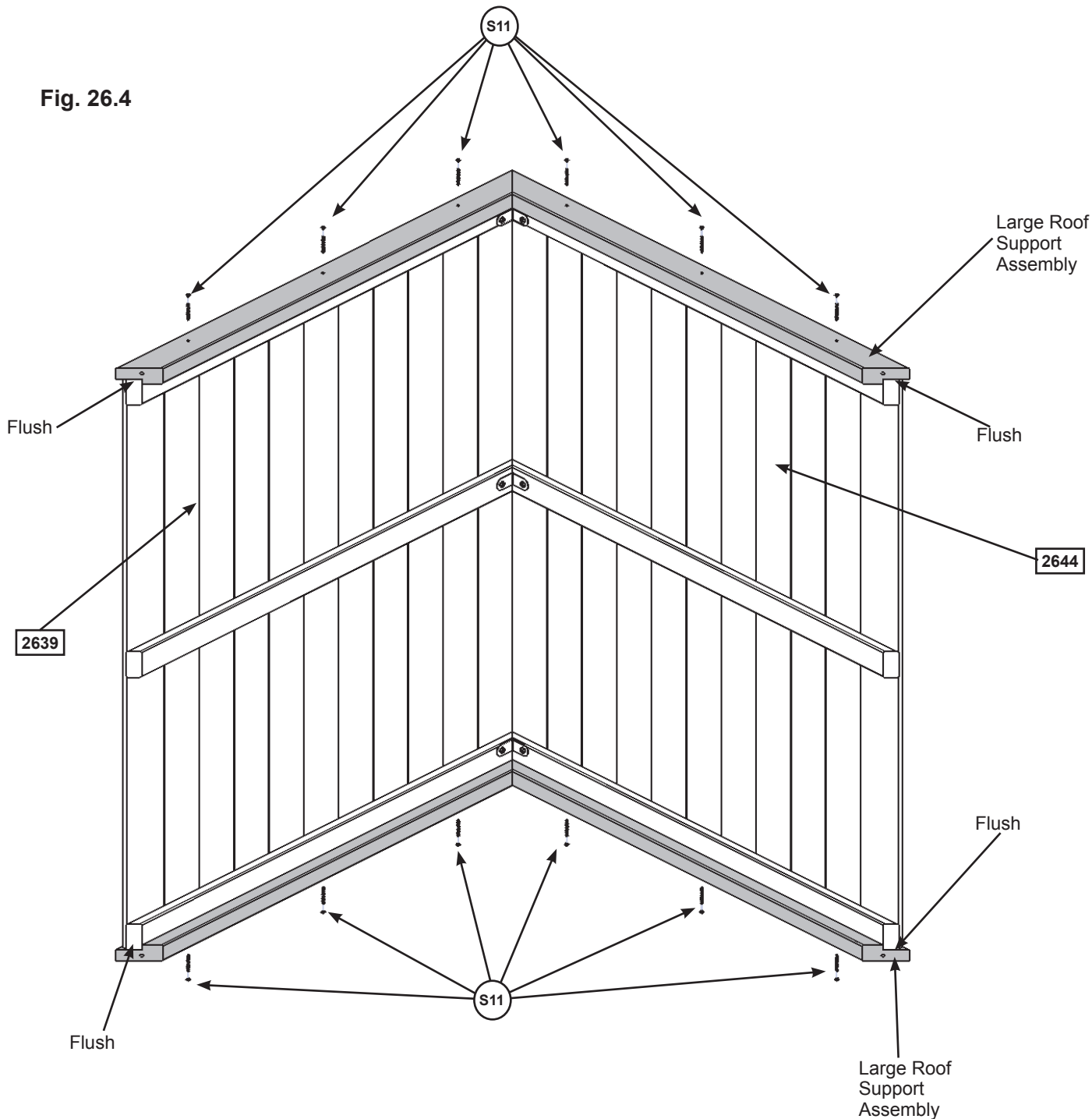
# Step 26: Large Roof Assembly

## Part 2

**C:** Place 1 Roof Support Assembly against one side so the peaks meet and the ends of the roof supports are flush with the ends of the roof panels. Attach with 6 (S11) #8 x 2" Wood Screws. (fig. 26.4)

**D:** Attach the second Roof Support Assembly on the opposite side, peaks to meet and ends are flush with 6 (S11) #8 x 2" Wood Screws. (fig. 26.4)

Fig. 26.4

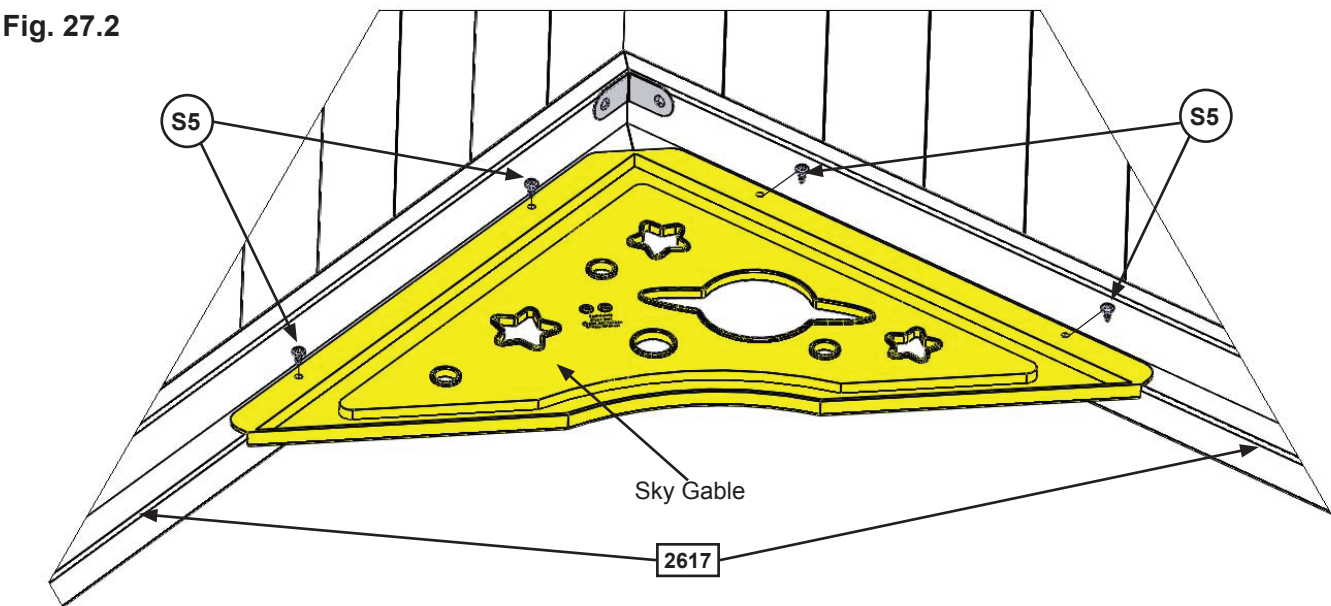
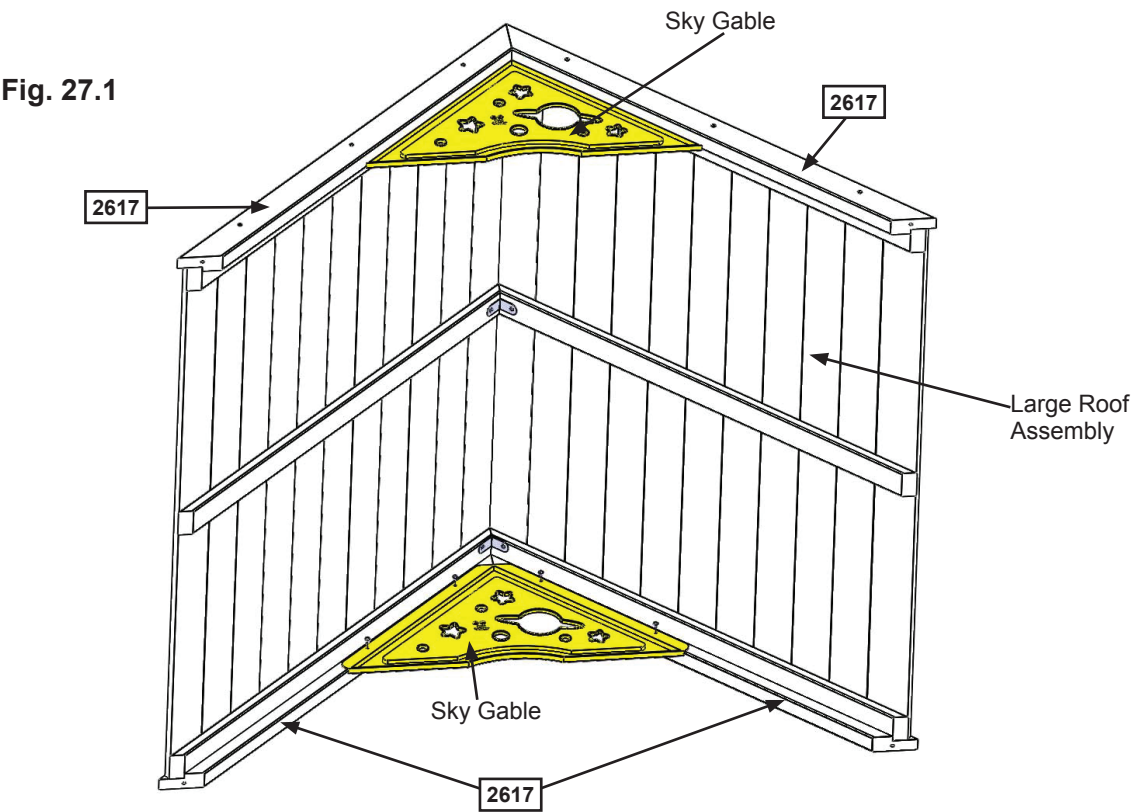


**Hardware**


12 x (S11) #8 x 2" Wood Screw

# Step 27: Attach Sky Gable

**A:** On each side of the Large Roof Assembly attach 2 Sky Gables to the inside of the (2617) Roof Supports with 4 (S5) #8 x 1/2" Pan Screws per gable. (fig. 27.1 and 27.2)



## Hardware

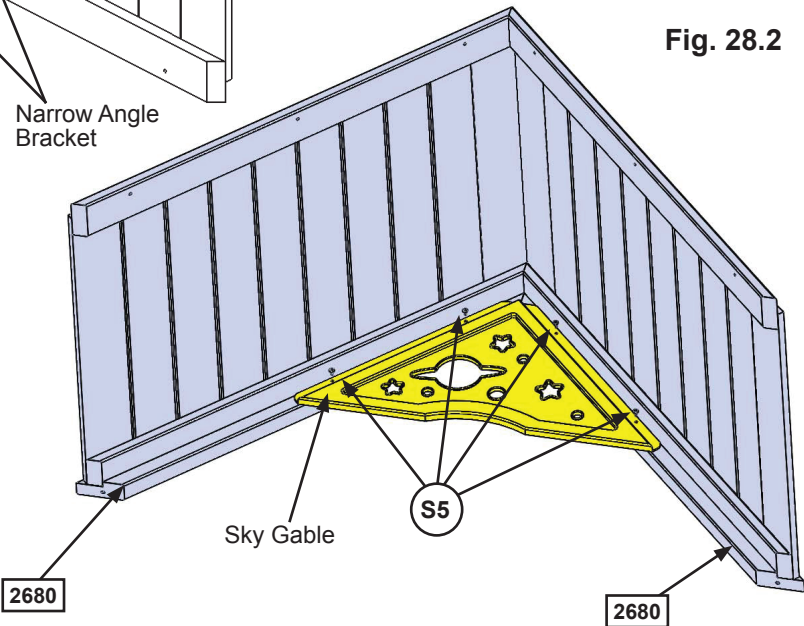
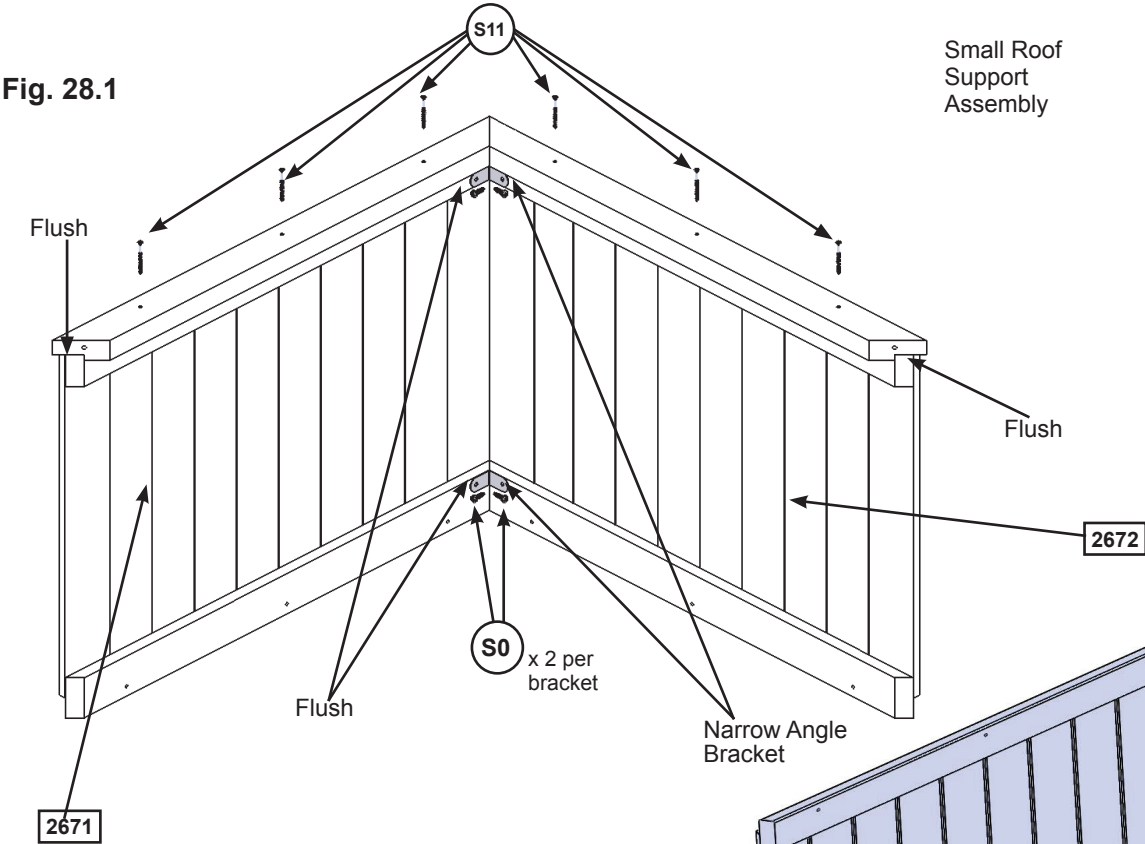
8 x  #8 x 1/2" Pan Screw

## Other Parts

2 x Sky Gable

# Step 28: Small Roof Assemblies

- A: Place (2672) Front Small Roof against (2671) Back Small Roof so the tops form a peak then tight to the inside edge of the outside slats attach 1 Narrow Angle Bracket per slat with 2 (S0) #8 x 7/8" Truss Screws per bracket. (fig. 28.1)
- B: Place Small Roof Support Assembly against one side so the peaks meet and the ends of the roof supports are flush with the ends of the roof panels. Attach with 6 (S11) #8 x 2" Wood Screws. (fig. 28.1)
- C: Attach 1 Sky Gable to the inside of the (2680) Roof Supports with 4 (S5) #8 x 1/2" Pan Screws. (fig. 28.2)
- D: Repeat Steps A-C to create a second Small Roof Assembly.



## Wood Parts

- 2 x 2672 Front Small Roof 1-1/4 x 22-9/16 x 33-5/8"
- 2 x 2671 Back Small Roof 1-1/4 x 22-9/16 x 33-3/8"

## Hardware

- 12 x S11 #8 x 2" Wood Screw
- 8 x S0 #8 x 7/8" Truss Screw
- 8 x S5 #8 x 1/2" Pan Screw

## Other Parts

- 4 x Narrow Angle Bracket
- 2 x Sky Gable

# Step 29: Gable Dormer Assembly

- A:** Place (2699) Gable Dormer RT tight to (2689) Gable Dormer LT then place Sky Gable tight against the dormers and attach with 4 (S5) #8 x 1/2" Pan Screws. (fig. 29.1)
- B:** Attach (2699) Gable Dormer RT and (2689) Gable Dormer LT with 1 Narrow Angle Bracket using 2 (S5) #8 x 1/2" Pan Screws. (fig. 29.1 and 29.2)

Fig. 29.2

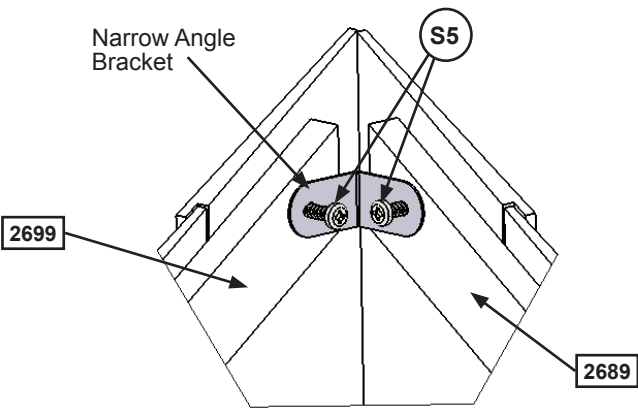
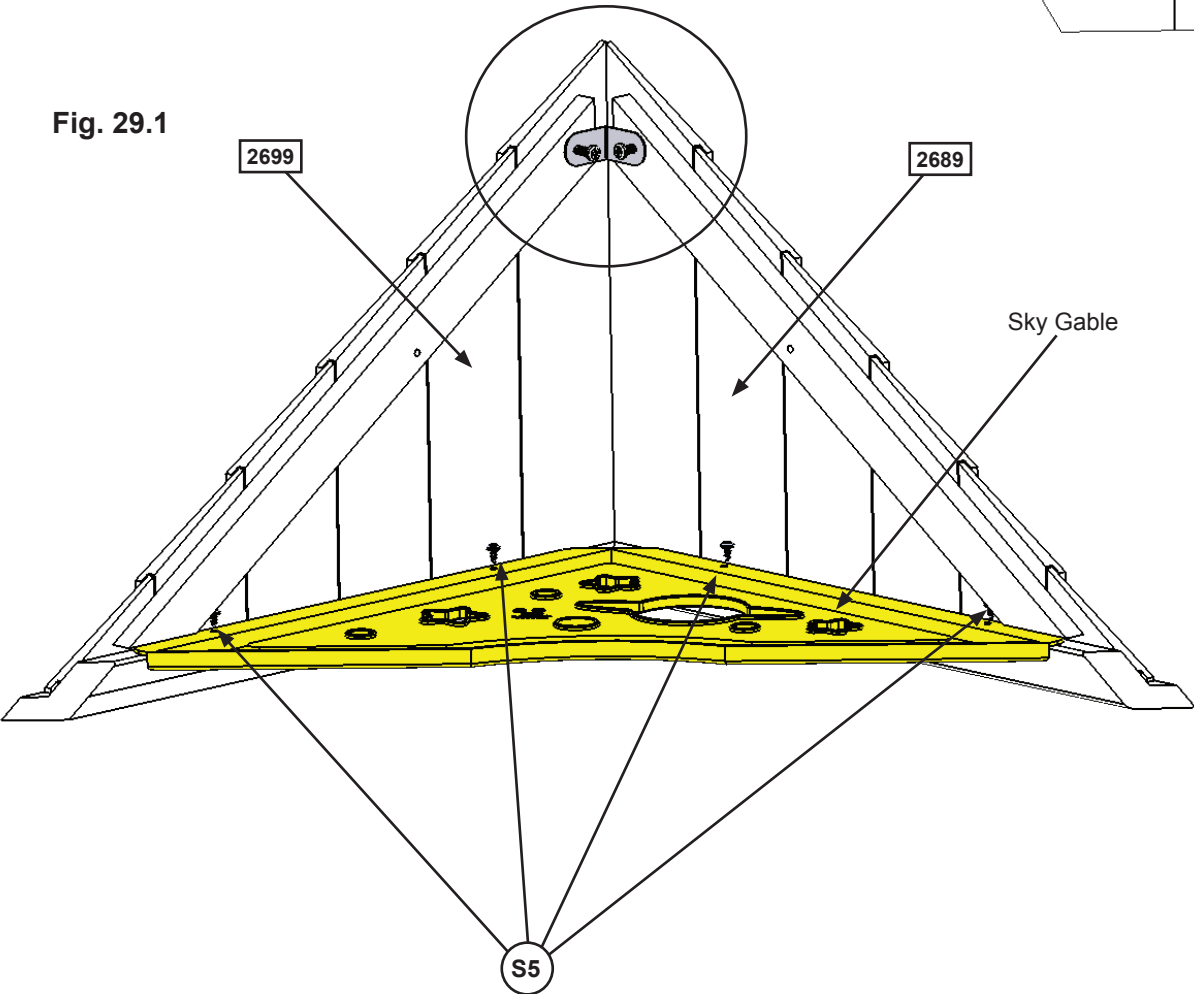


Fig. 29.1



**Wood Parts**

- 1 x 2689 Gable Dormer LT 1-1/4 x 14.6 x 22"
- 1 x 2699 Gable Dormer RT 1-1/4 x 14.6 x 22"

**Hardware**

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

**Other Parts**

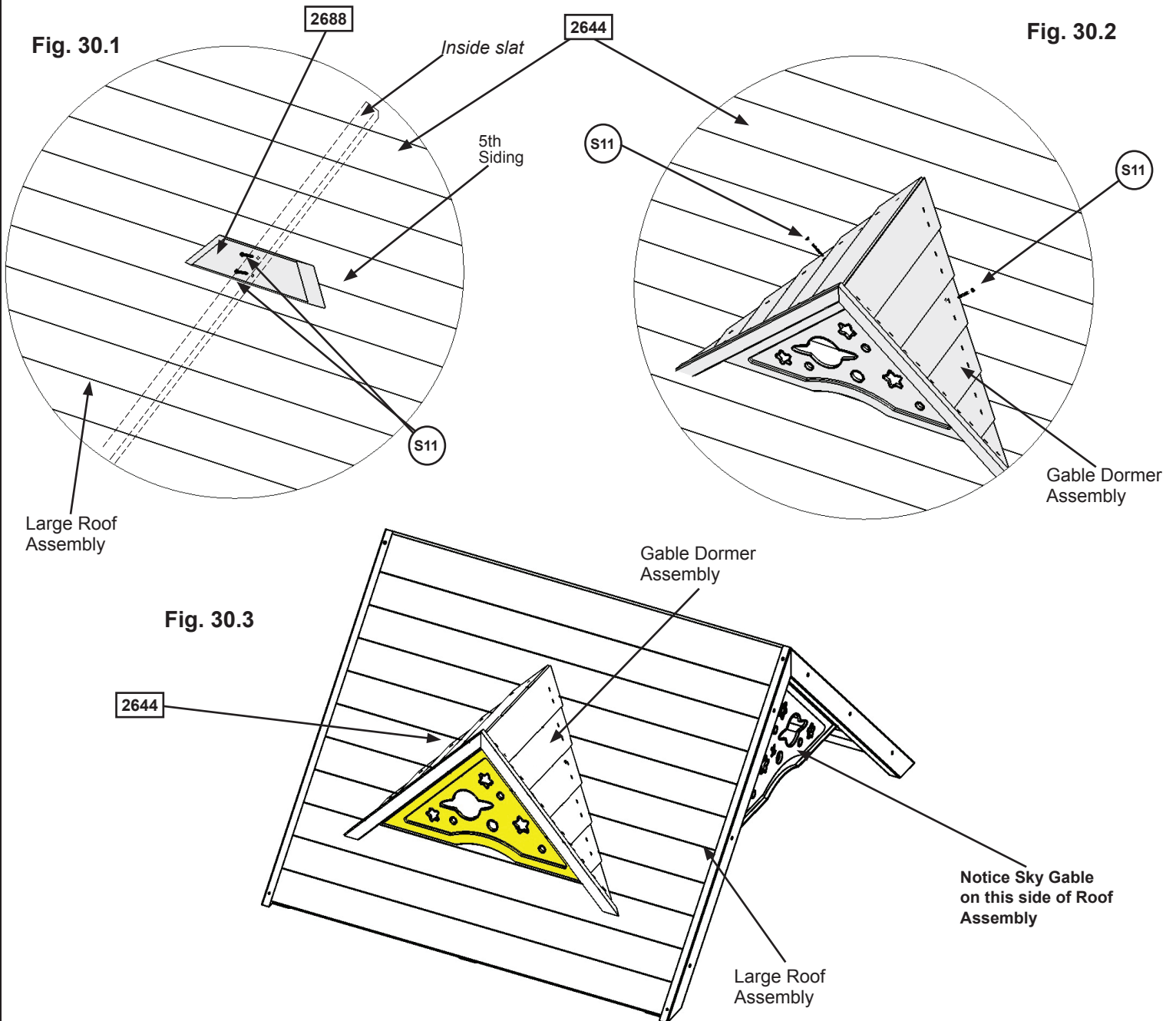
- 1 x Narrow Angle Bracket
- 1 x Sky Gable



## Step 30: Attach Gable Dormer to Roof

**A:** On the outside of the Large Roof Assembly on (2644) Front Roof Panel, on the 5th siding down, place (2688) Dormer Cleat centred on the panel (over the middle inside slat) then attach with 2 (S11) #8 x 2" Wood Screws. Make sure the screws go into the siding and the slats. (fig. 30.1)

**B:** Place completed Gable Dormer Assembly over (2688) Dormer Cleat and attach with 2 (S11) #8 x 2" Wood Screws (fig. 30.2 and 30.3)



### Wood Parts

1 x (2688) Dormer Cleat 1-1/4 x 3 x 12-3/4"

### Hardware

4 x (S11) #8 x 2" Wood Screw



# Step 31: Attach Roof Ends Part 1



**A:** On (2627) SW Wall Panel and (2622) End Panel Assembly place 1 (2646) Roof End flush to the top of the panel on the right hand side, measure overhang so it is 2-5/8" then attach with 3 (S11) #8 x 2" Wood Screws per board. (fig. 31.1, 31.2 and 31.3)

**B:** Repeat Step A for 2 (2647) Roof End Lefts. (fig. 31.1, 31.2 and 31.3)

Fig. 31.1

Swing Wall

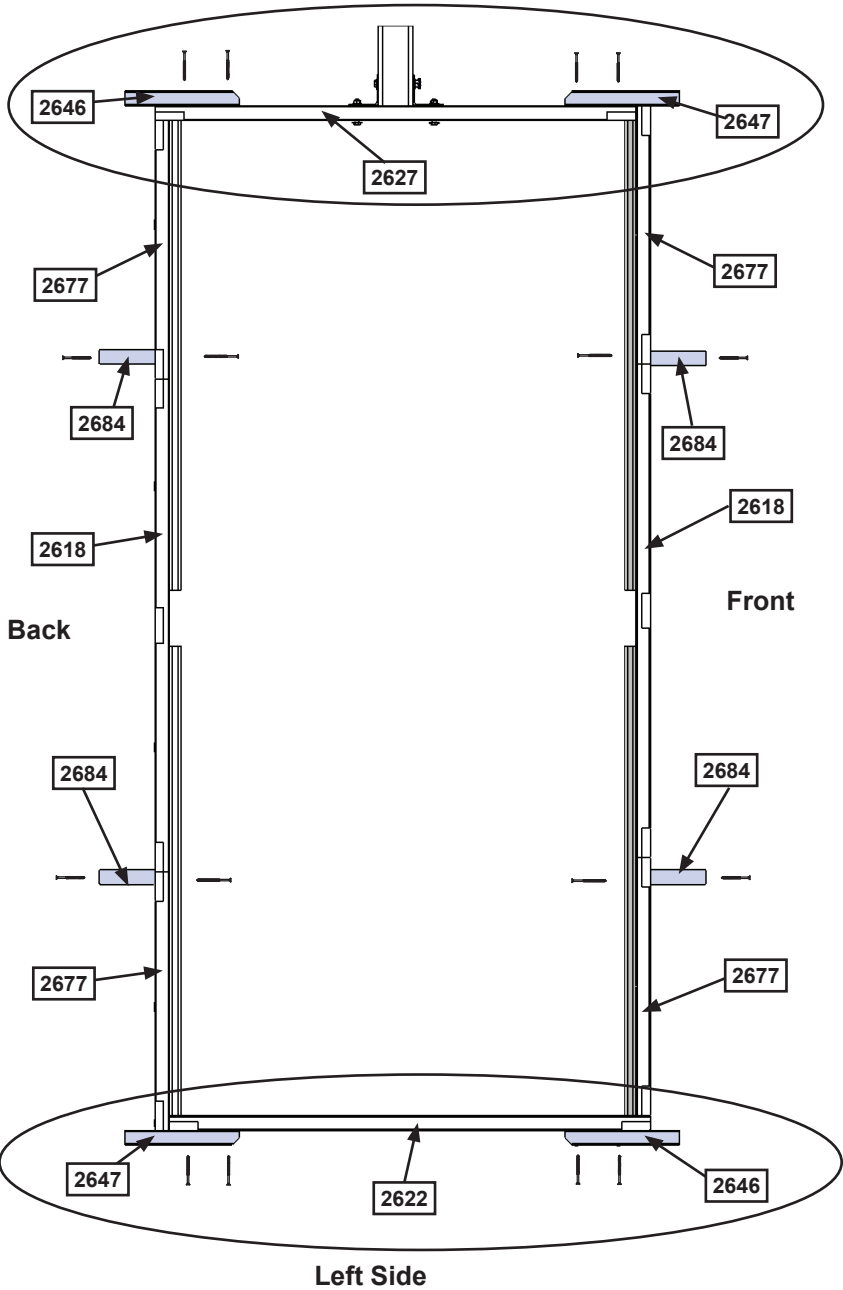


Fig. 31.2  
Side View

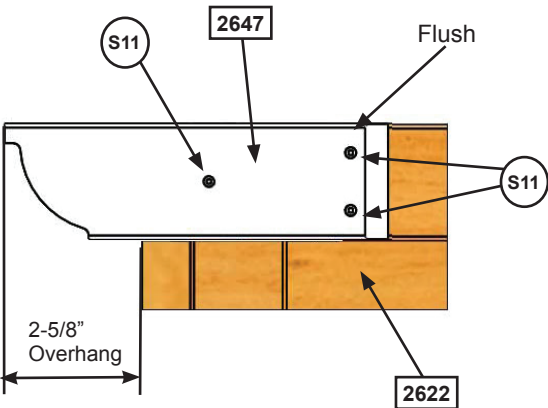
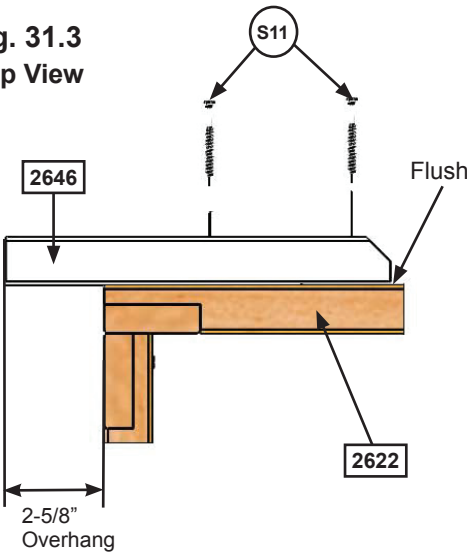


Fig. 31.3  
Top View



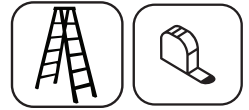
**Wood Parts**

- 2 x 2646 Roof End 1-1/4 x 3 x 10"
- 2 x 2647 Roof End Left 1-1/4 x 3 x 10"

**Hardware**

- 12 x S11 #8 x 2" Wood Screw

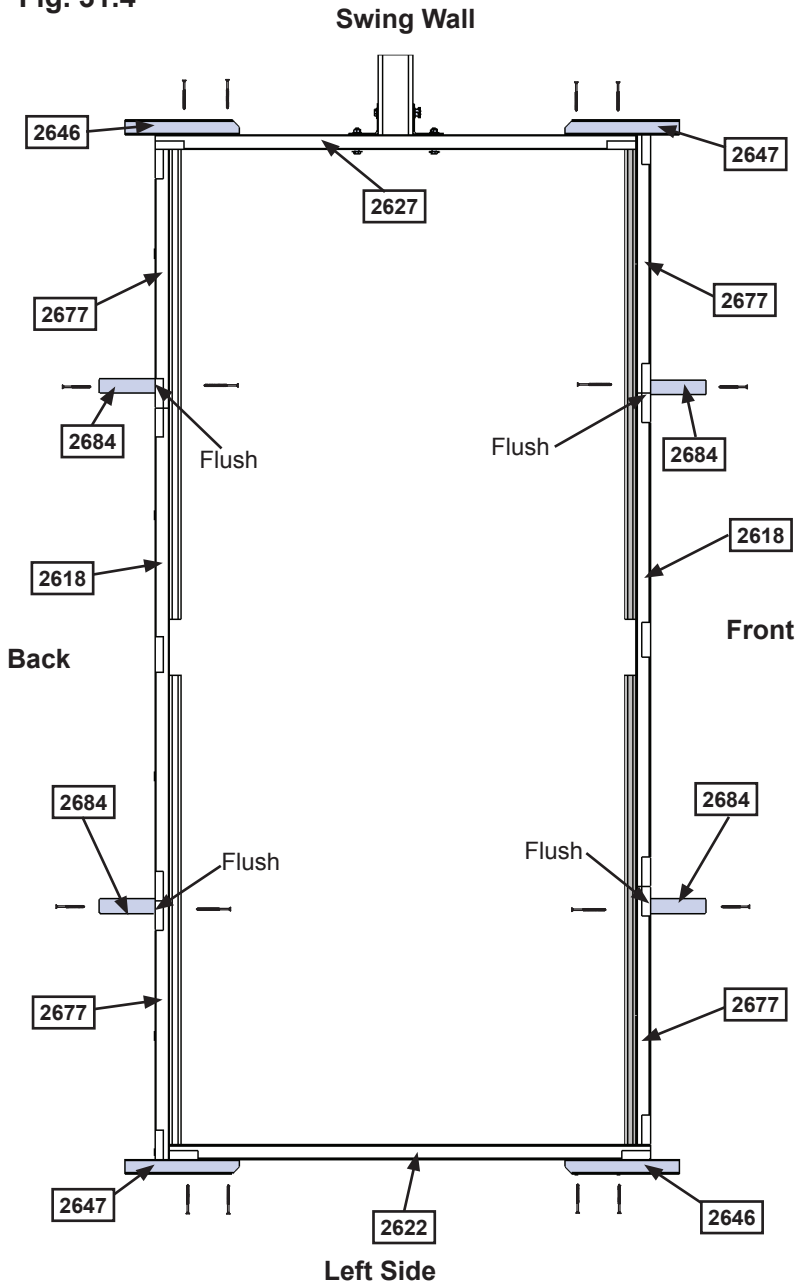
## Step 31: Attach Roof Ends Part 2



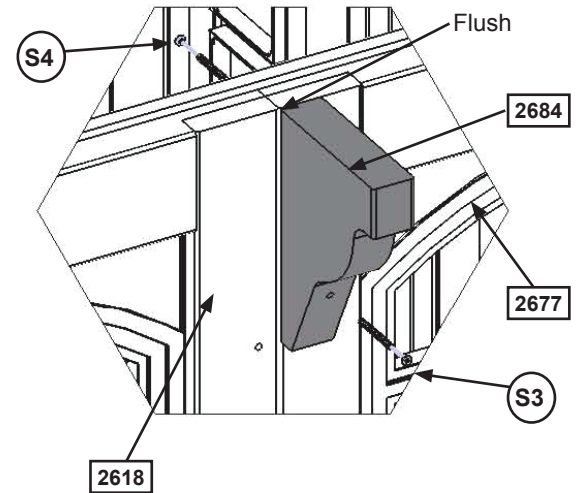
**C:** On the Back of the fort place 1 (2684) Mid Roof End flush to the top of each (2677) Narrow Panel centred over the pilot holes then measure 1-1/4" down from the top of the panel and attach from the inside with 1 (S4) #8 x 3" Wood Screw and from the outside with 1 (S3) #8 x 2-1/2" Wood Screw per Mid Roof End. (fig. 31.4 and 31.5)

**D:** On the Front of the fort place 1 (2684) Mid Roof End flush to the top of each (2677) Narrow Panel centred over the pilot holes then measure 1-1/4" down from the top of the panel and attach from the inside with 1 (S4) #8 x 3" Wood Screw and from the outside with 1 (S3) #8 x 2-1/2" Wood Screw per Mid Roof End. (fig. 31.4 and 31.6)

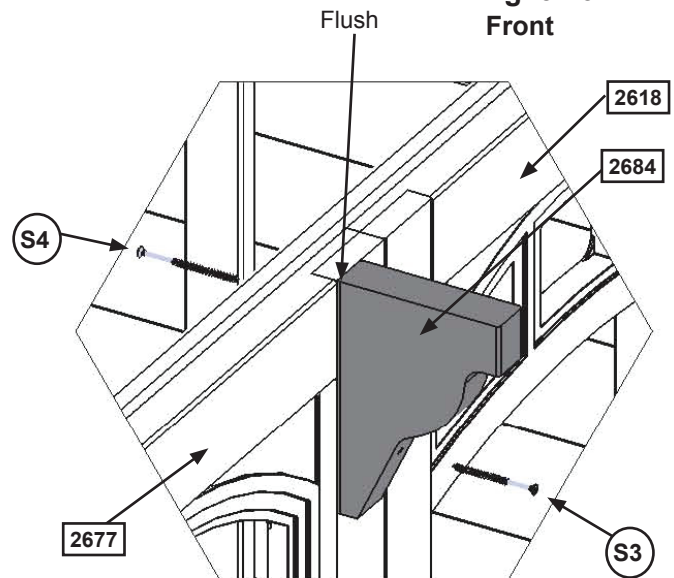
**Fig. 31.4**



**Fig. 31.5  
Back**



**Fig. 31.6  
Front**



### Wood Parts

4 x 2684 Mid Roof End 1-1/4 x 4-7/8 x 7"

### Hardware

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

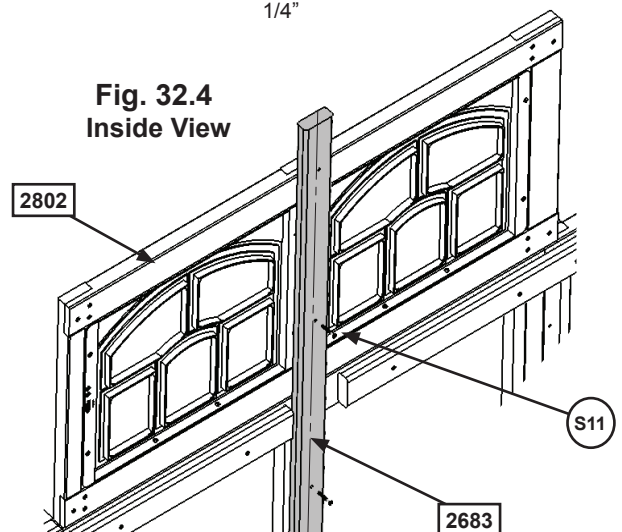
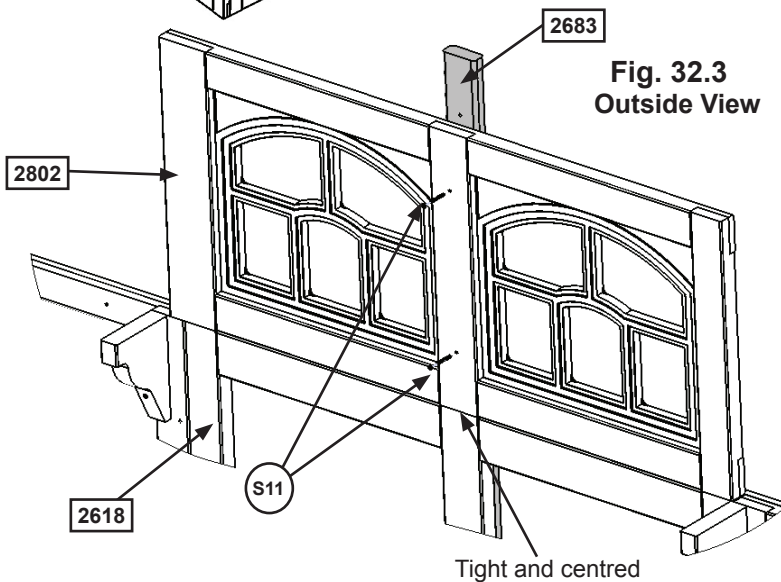
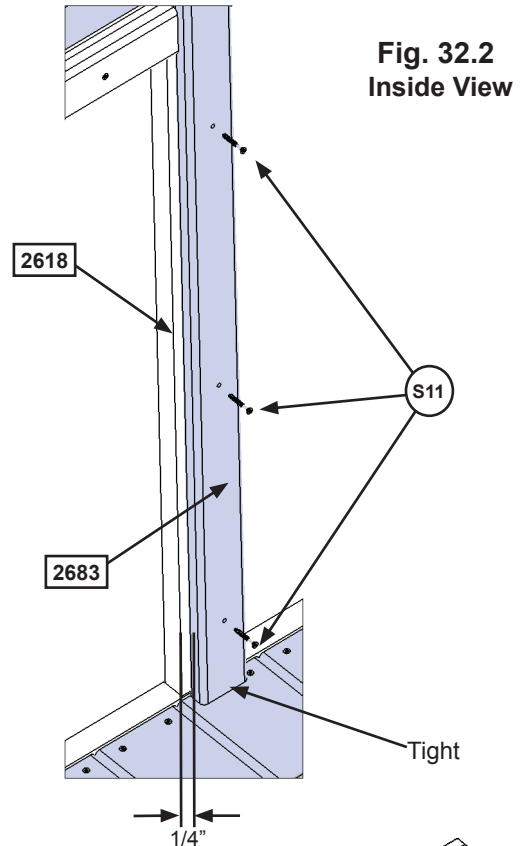
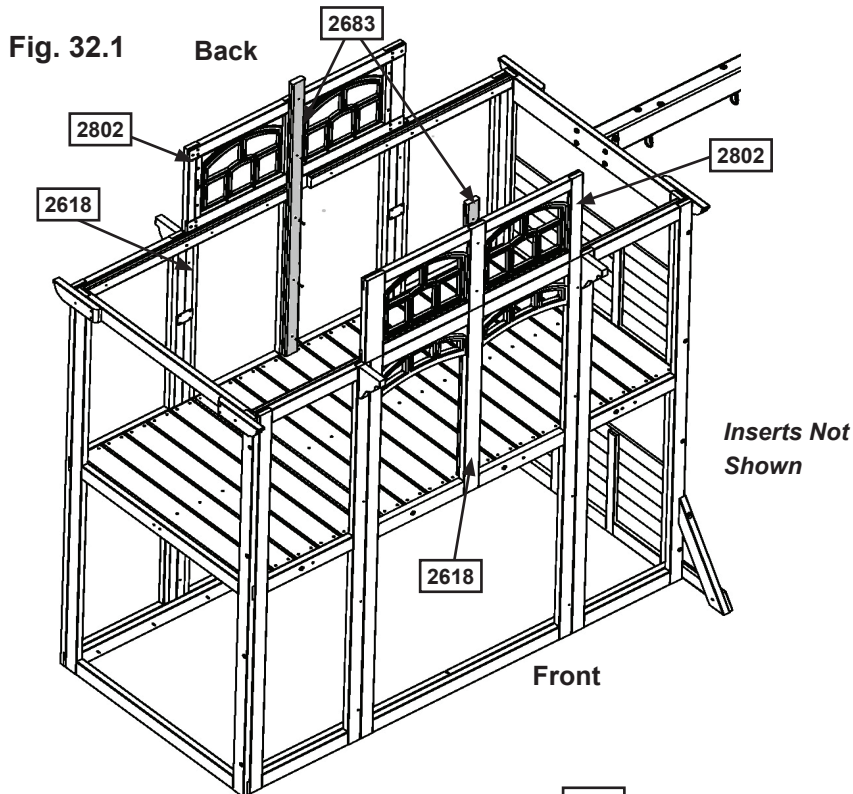
4 x S4 #8 x 3" Wood Screw

## Step 32: Upper Window Installation



**A:** On the Front and Back Walls place 1 (2683) Wall Tie tight to the top of the floor boards and 1/4" in from both sides of the centre board in each (2618) Front Back Panel then attach with 3 (S11) #8 x 2" Wood Screws. (fig. 32.1 and 32.2)

**B:** Tight to the top of each (2618) Front Back Panel over each (2683) Wall Tie place 1 (2802) Transom Window on each panel and attach with 1 (S11) #8 x 2" Wood Screw from the inside and 2 (S11) #8 x 2" Wood Screws from the outside per (2802) Transom Window. (fig. 32.1, 32.3 and 32.4)



### Wood Parts

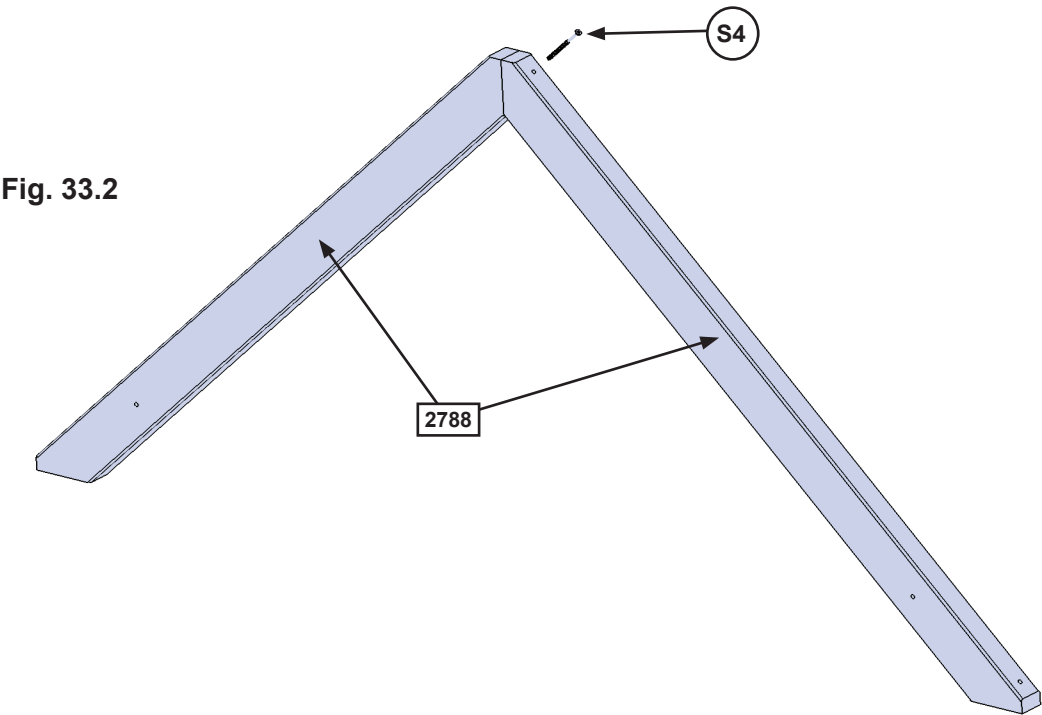
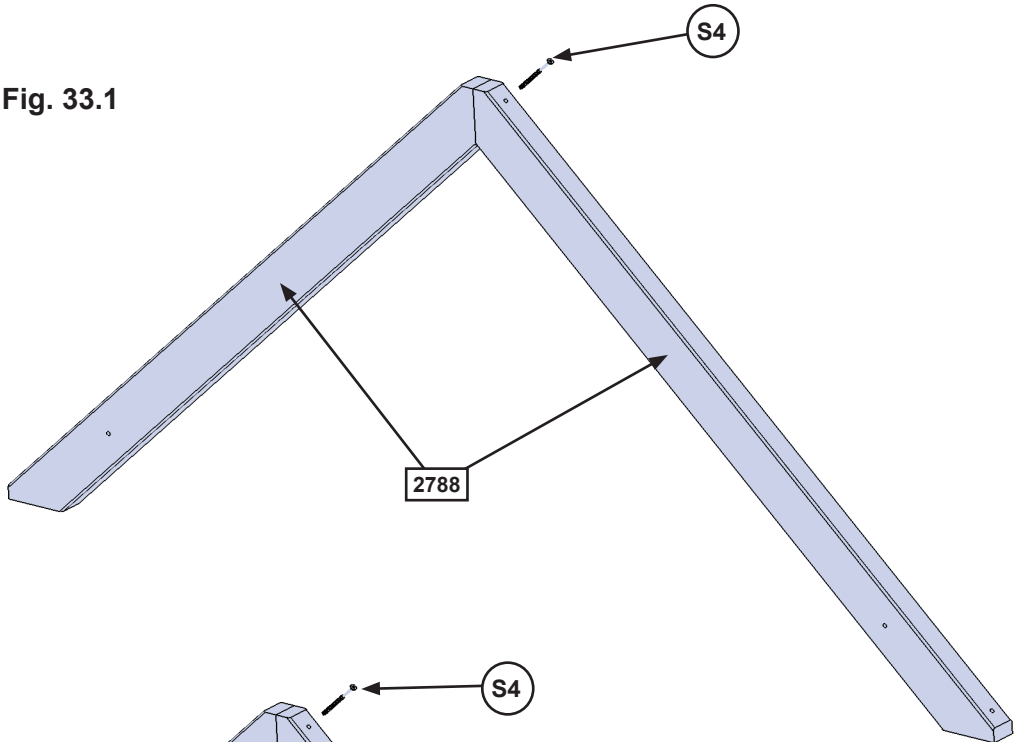
- 2 x 2683 Wall Tie 5/4 x 3 x 62-5/8"
- 2 x 2802 Transom Window 1-1/4 x 19 x 43"

### Hardware

- 12 x S11 #8 x 2" Wood Screw

# Step 33: Mid Roof Support Assemblies

**A:** Attach 1 (2788) Mid Roof Support to a second (2788) Mid Roof Support at peak using 1 (S4) #8 x 3" Wood Screw. Repeat this step so there are 2 Mid Roof Support Assemblies. (fig. 33.1 and 33.2)



**Wood Parts**

4 x 2788 Mid Roof Support 1-1/4 x 2-1/2 x 37-1/8"

**Hardware**

2 x S4 #8 x 3" Wood Screw

## Step 34: Attach Mid Roof Support Assemblies

**A:** Place 1 Mid Roof Support Assembly on each side of the (2802) Transom Windows and flush to the ends of each (2684) Mid Roof End then attach to (2802) Transom Window using 2 (S3) #8 x 2-1/2" Wood Screws per (2788) Mid Roof Support and to each (2684) Mid Roof End with 1 (S4) #8 x 3" Wood Screw per side. (fig. 34.1 and 34.2)

Fig. 34.1

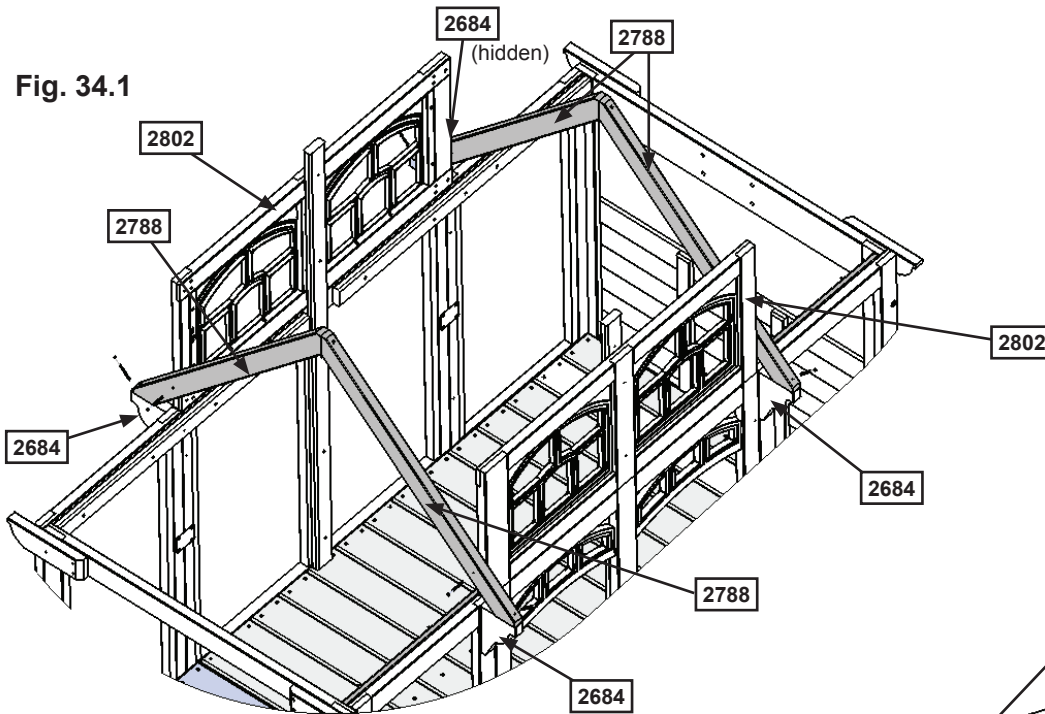
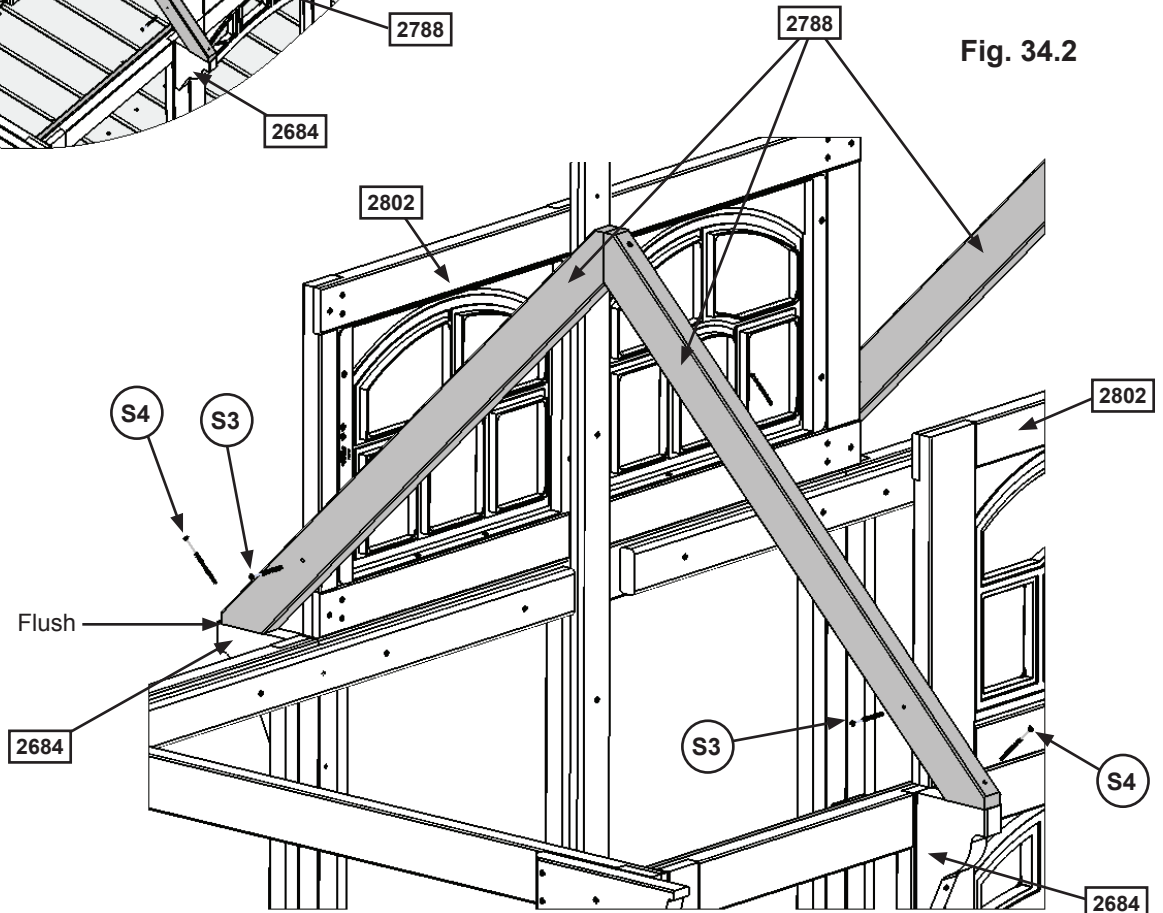


Fig. 34.2

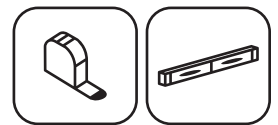


### Hardware

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

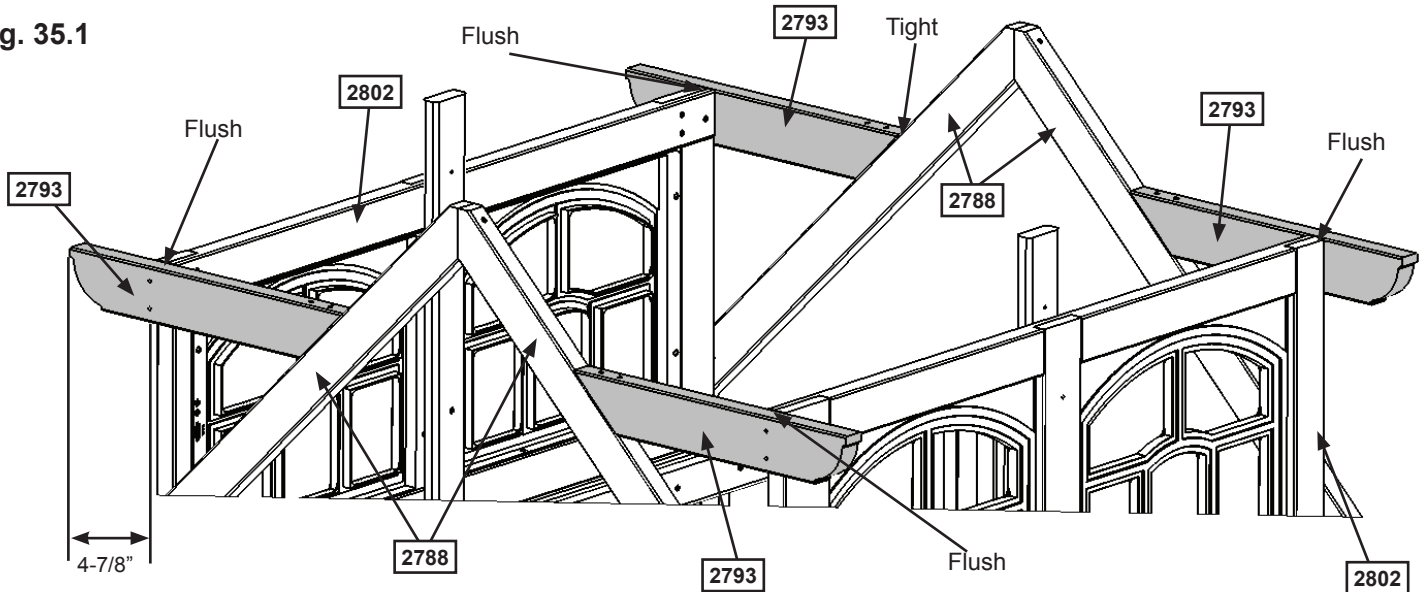
4 x (S4) #8 x 3" Wood Screw

## Step 35: Attach Long Roof Ends

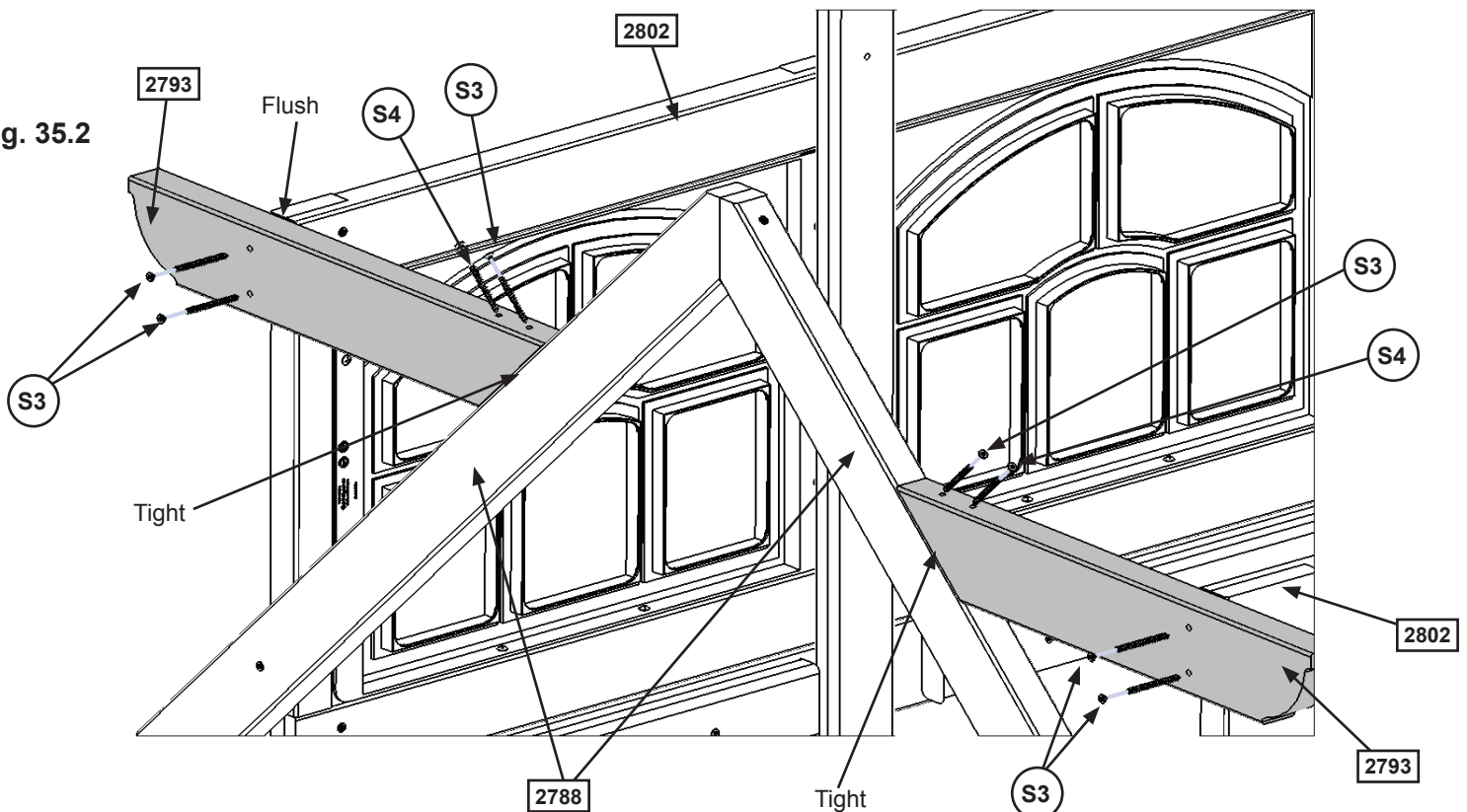


**A:** Place 1 (2793) Long Roof End tight to each (2788) Mid Roof Support and flush to the top of (2802) Transom Window. Make sure (2793) Long Roof End is level and the overhang at each end measures 4-7/8", then attach to (2788) Mid Roof Supports with 1 (S3) #8 x 2-1/2" Wood Screws and 1 (S4) #8 x 3" Wood Screw per support and to each side of the (2802) Transom Windows using 2 (S3) #8 x 2-1/2" Wood Screws per side. (fig. 35.1 and 35.2)

**Fig. 35.1**



**Fig. 35.2**



### Wood Parts

4 x **2793** Long Roof End 1-1/4 x 3 x 18-3/4"

### Hardware

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

4 x **S4** #8 x 3" Wood Screw

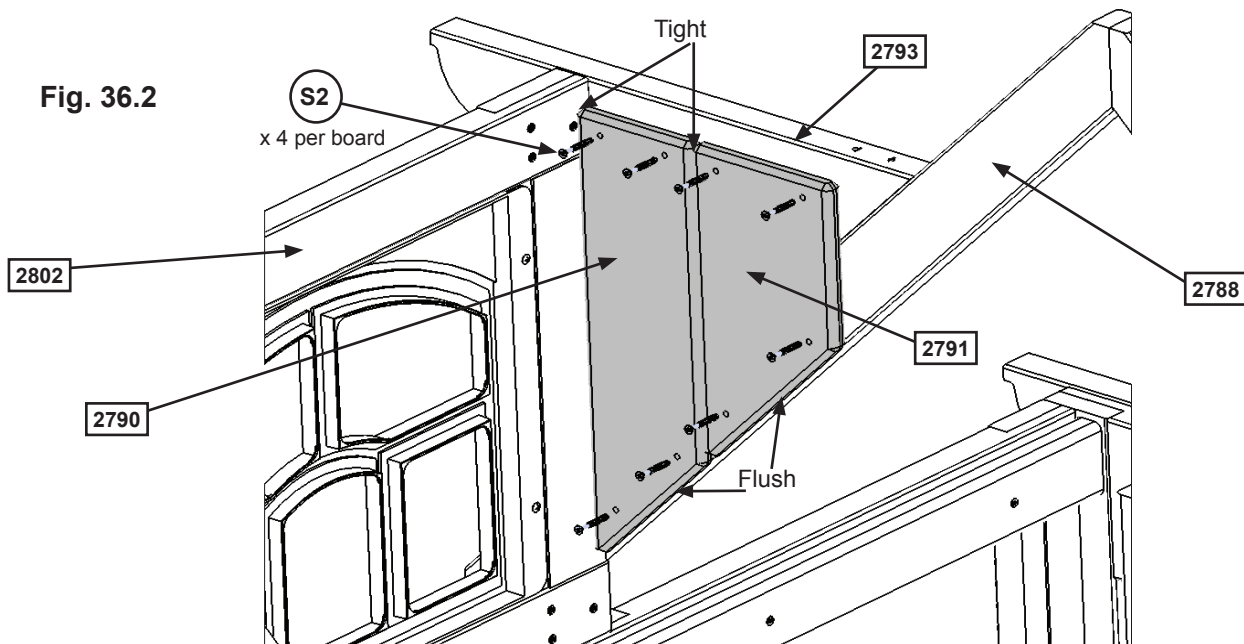
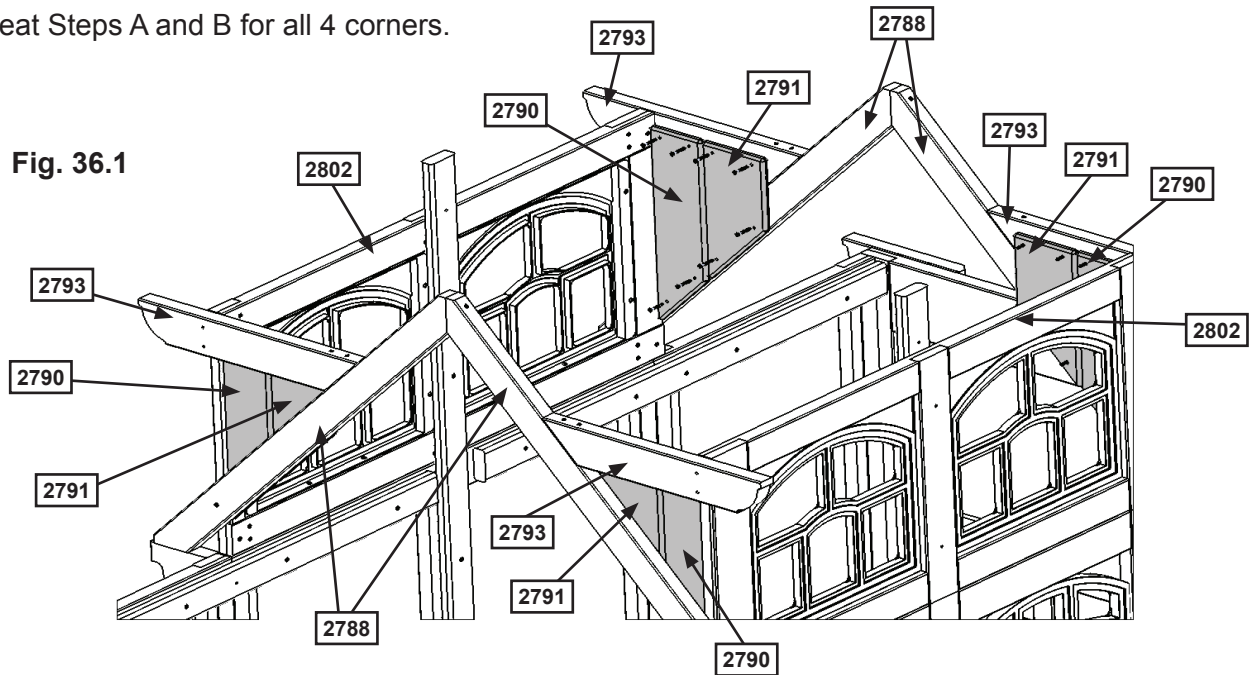


## Step 36: Attach Transom Boards

**A:** Tight to (2802) Transom Window and flush to the bottom of (2788) Mid Roof Support attach 1 (2790) Transom Board A to (2788) Mid Roof Support and (2793) Long Roof End with 4 (S2) #8 x 1-1/2" Wood Screws. (fig. 36.1 and 36.2)

**B:** Tight to (2790) Transom Board A and flush to the bottom of (2788) Mid Roof Support attach 1 (2791) Transom Board B to (2788) Mid Roof Support and (2793) Long Roof End with 4 (S2) #8 x 1-1/2" Wood Screws. (fig. 36.1 and 36.2)

**C:** Repeat Steps A and B for all 4 corners.



### Wood Parts

- 4 x 2790 Transom Board A 1 x 5 x 15-1/2"
- 4 x 2791 Transom Board B 1 x 6 x 11"

### Hardware

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



## Step 37: Attach Roof Assemblies to Fort Part 1

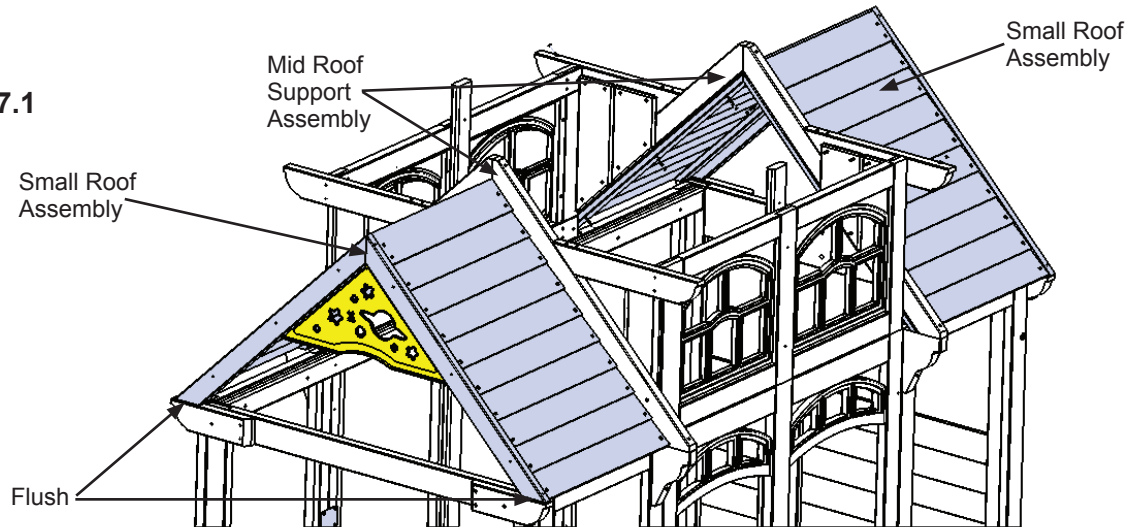


**A:** With 2 people on the ground and at least 1 person in the fort, lift one Small Roof Assembly up and over the Back side of the fort. Guide the Small Roof Assembly onto the fort so it slides under one of the Mid Roof Support Assemblies and the (2788) Mid Roof Supports sit tight to the siding on the Small Roof Assembly. The front of the Small Roof Assembly should be flush to the front of each (2646) Roof End and (2647) Roof End Left. (fig. 37.1 and 37.2)

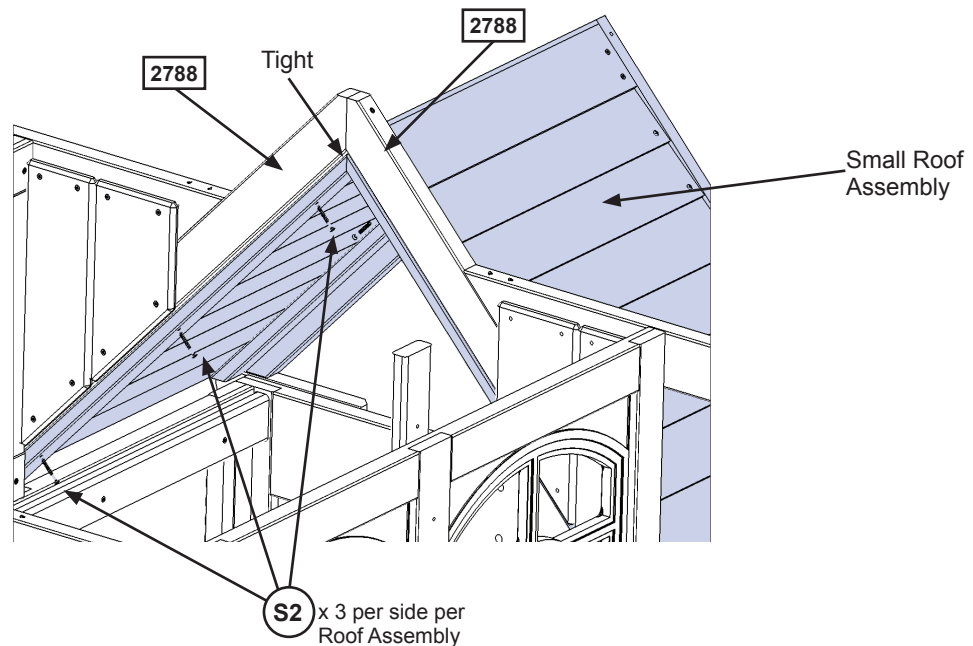
**B:** Attach Small Roof Assembly to Mid Roof Support Assembly from inside with 3 (S2) #8 x 1-1/2" Wood Screws per side. Screws to go into (2788) Mid Roof Supports. (fig. 37.2)

**C:** Repeat Steps A and B for the second Small Roof Assembly.

**Fig. 37.1**



**Fig. 37.2**



### Hardware

12 x (S2) #8 x 1-1/2" Wood Screw

## Step 37: Attach Roof Assemblies to Fort Part 2



**D:** Attach (2680) Roof Supports to (2646) Roof Ends and (2647) Roof End Lefts with 1 (S3) #8 x 2-1/2" Wood Screw per support. (fig. 37.3 and 37.4)

Fig. 37.3

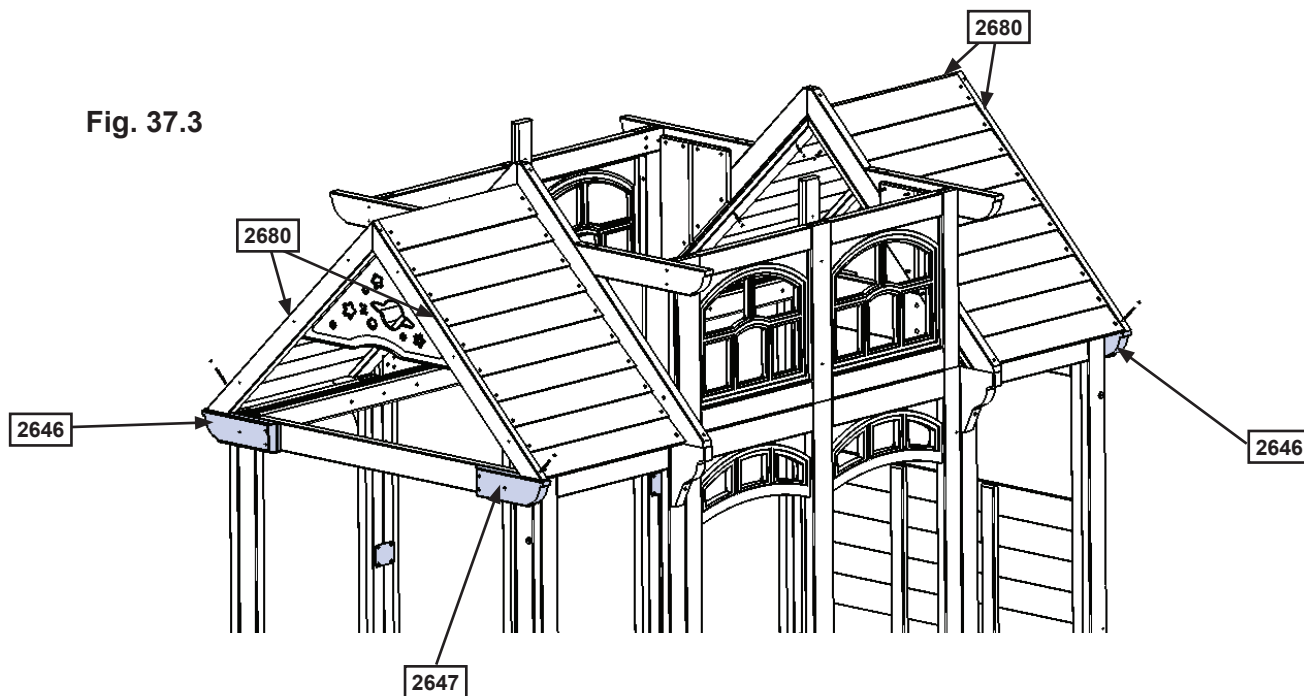
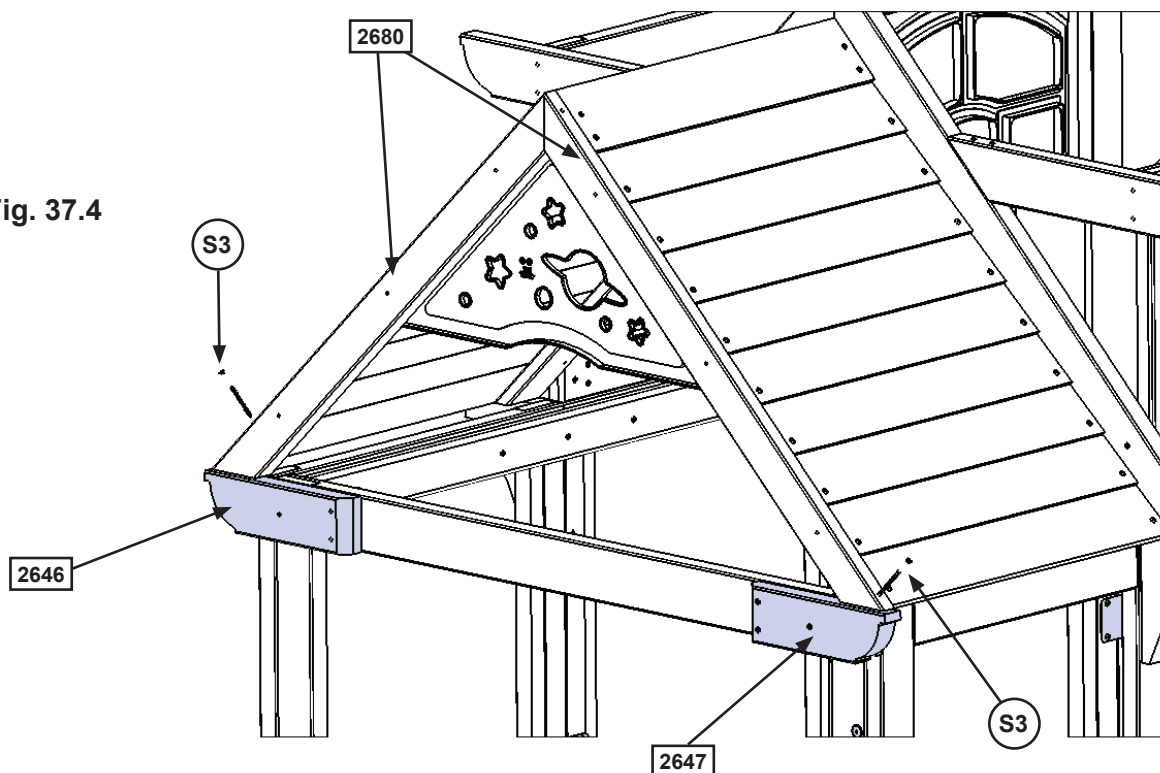


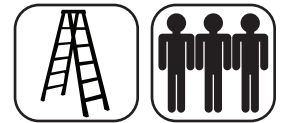
Fig. 37.4



### Hardware

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

## Step 37: Attach Roof Assemblies to Fort Part 3



**E:** With 2 people on the ground and at least 1 person in the fort, lift the Large Roof Assembly up and over the Back side of the fort. Guide the Roof Assembly onto the fort so all four (2617) Roof Supports sit flush to the front and outside edges of each (2793) Long Roof End. (fig. 37.5 and 37.6)

**F:** Attach (2617) Roof Supports to each (2793) Long Roof End with 1 (S3) #8 x 2-1/2" Wood Screw per support. (fig.37.5 and 37.6)

Fig. 37.5

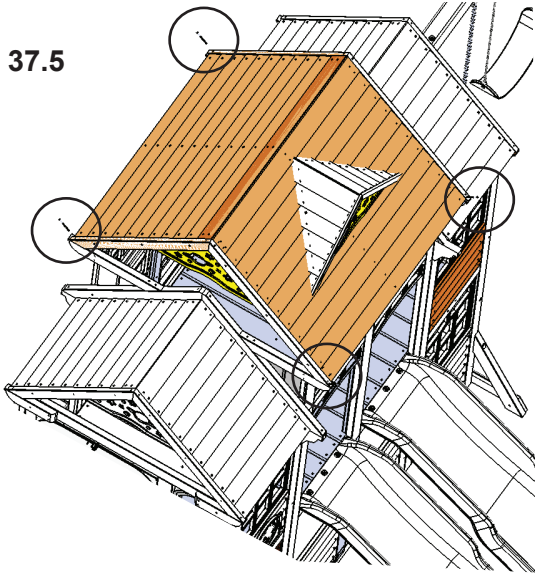
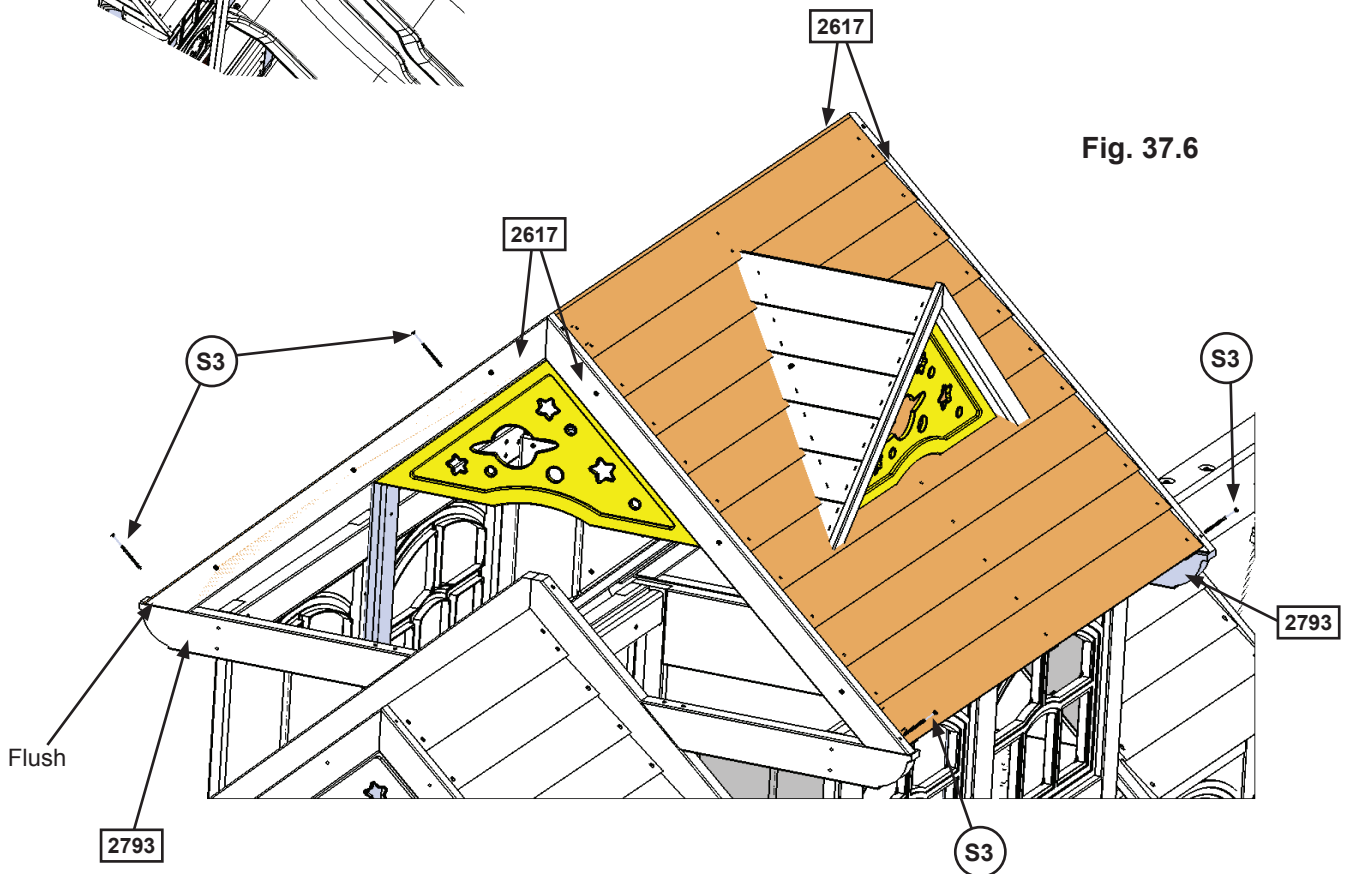


Fig. 37.6



### Hardware

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

# Step 37: Attach Roof Assemblies to Fort

## Part 4

**G:** Attach each (2683) Wall Tie to the middle roof rafters of the Large Roof Assembly with 1 Spiral Wave Bracket and 3 (S8) #12 x 3/4" Pan Screws per side. (fig. 37.7 and 37.8)

Fig. 37.7

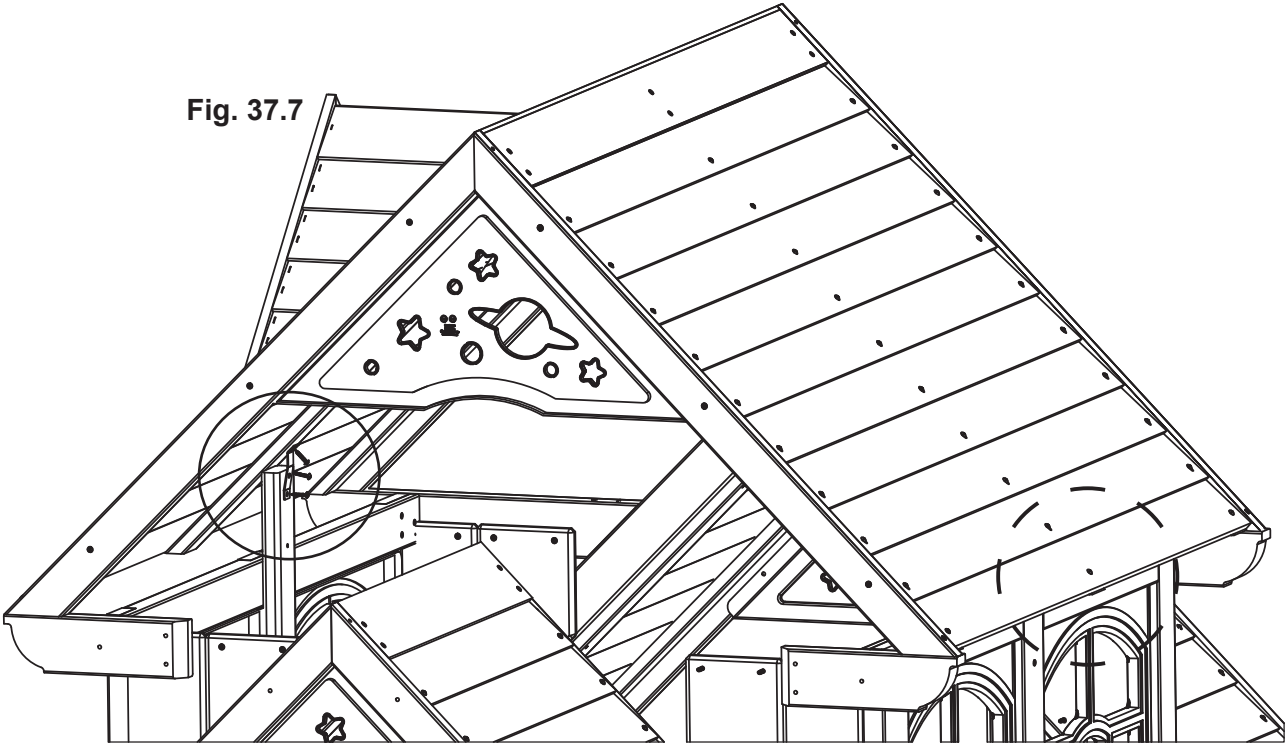
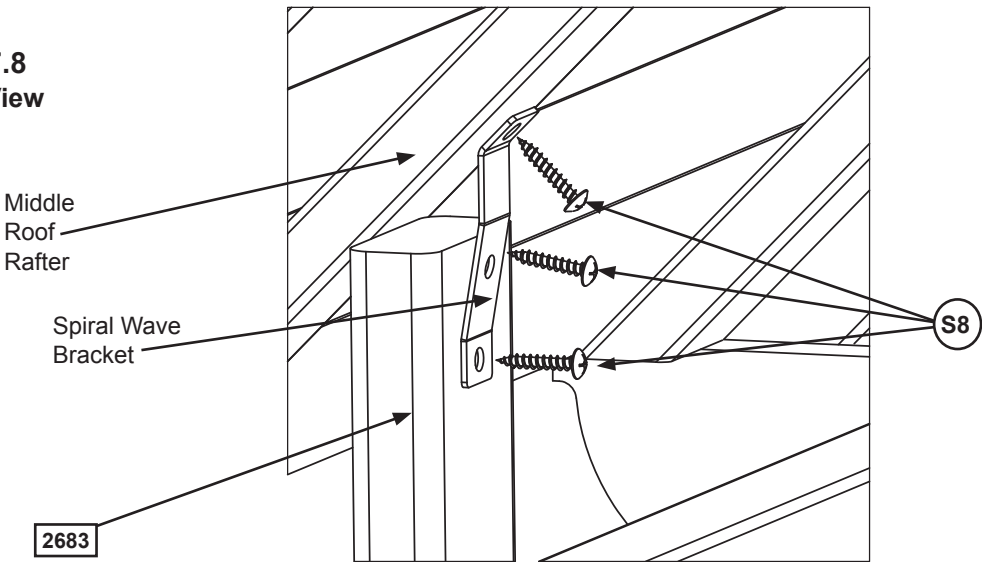



Fig. 37.8  
Inside View



**Hardware**

6 x  #12 x 3/4" Pan Screw

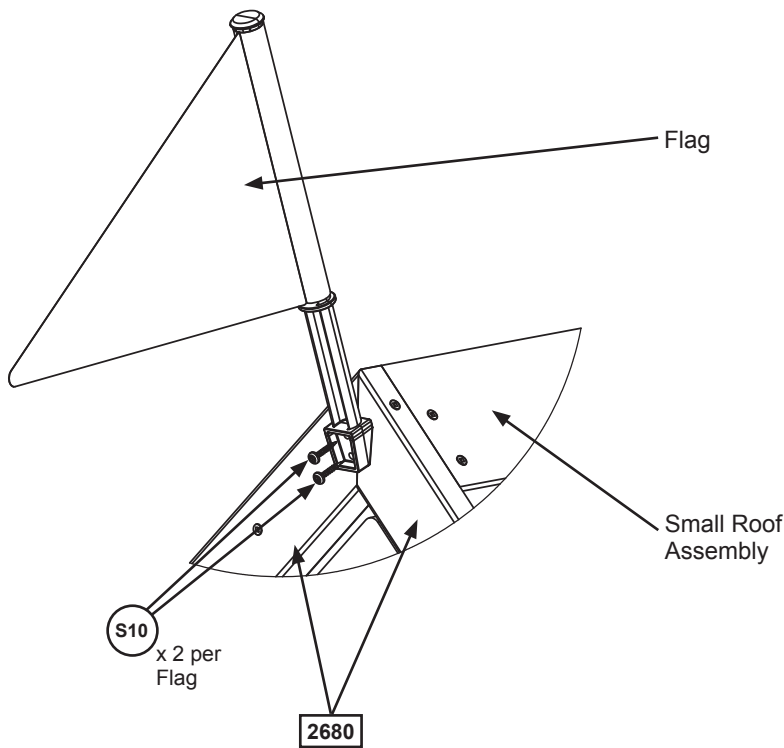
**Other Parts**

2 x Spiral Wave Bracket

# Step 38: Attach Flags

**A:** Place 1 Flag at the peak of each Small Roof Assembly and attach to (2680) Roof Supports with 2 (S10) #8 x 1" Pan Screws per flag. (fig. 38.1)

Fig. 38.1



**Hardware**

4 x S10 #8 x 1" Pan Screw

**Other Parts**

2 x Flag

# Adventure Tower Assembly

## Step 39: Upper Frame Assembly

**A:** Place 1 (6012) Short Post and 1 (6000) Upper Post side by side with the (6012) Short Post on the left side making sure that the notched out end is at the bottom and facing the outside. Place (6023) Roof Side at the top of the posts so that it's flush and attach using 2 (H2) 1/4 x 2" Hex Bolts (with lock washer, flat washer and t-nuts). (Fig. 39.1)

**B:** Place (6029) Side Top so it lines up with the lower pre-drilled holes on the posts and attach using 2 (H2) 1/4 x 2" Hex Bolts (with lock washer, flat washer and t-nuts). (Fig. 39.1)

**C:** To make a second partial upper frame assembly place 1 (6012) Short Post and 1 (6000) Upper Post side by side with the (6012) Short Post on the right side, notched side facing out and the (6000) Upper Post on the left side. Place (6023) Roof Side at the top of the posts making sure it's flush and attach using 2 (H2) 1/4x 2" Hex Bolts (with lock washer, flat washer and t-nuts). (Fig. 39.2)

**D:** Place (6030) Tunnel Side Top so it lines up with the lower pre-drilled holes on the posts and attach using 2 (H2) 1/4 x 2" Hex Bolts (with lock washer, flat washer and t-nuts). (Fig. 39.2)

**Set the upper assemblies aside, they will not be used until a later step.**

Fig. 39.1

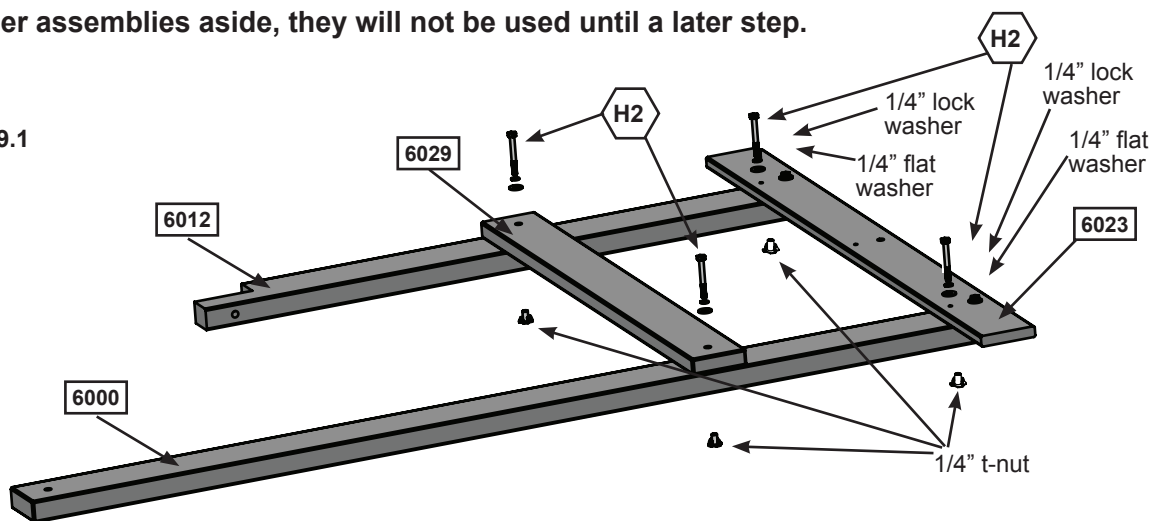
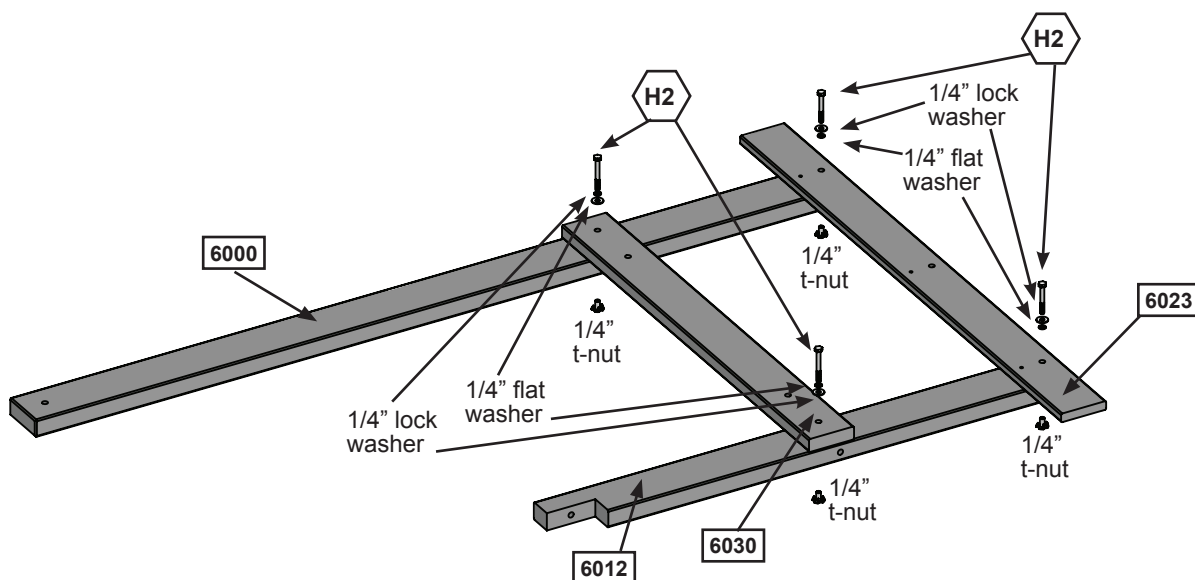


Fig. 39.2



### Wood Parts

- 2 x 6000 Upper Post 31.8 x 82.6 x 1495.4mm
- 2 x 6012 Short Post 31.8 x 82.6 x 933.6mm
- 2 x 6023 Roof Side 15.9 x 82.6 x 1019.2mm
- 1 x 6029 Side Top 15.9 x 82.6 x 784.2mm
- 1 x 6030 Tunnel Side Top 15.9 x 82.6 x 784.2mm

### Hardware

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

## Step 40: Lower Frame Assembly Part 1

**A:** Place 1 (6002) Long Post and 1 (6026) Rock Rail side by side with the (6002) Long Post on the left side making sure that the notched out end is at the top and on the inside. It is important to ensure that the angled cut on the (6026) Rock Rail is at the top, facing inwards towards the (6002) Long Post. Place 1 (6020) Short Ground across the bottom of both pieces so that it's flush with the ends of the (6002) Long Post and the (6026) Rock Rail. Attach using 2 (H2) ¼ x 2" Hex Bolts (with lock washer, flat washer and t-nuts). (Fig. 40.2)

**B:** From the underside of the assembly place 1 (6017) Floor Support making sure the pre-drilled holes match what is shown on fig.(Fig. 40.2). Attach using 2 (H3) ¼ x 2-1/2" Hex Bolts (with lock washer, flat washer and t-nuts). (Fig. 40.1 & Fig. 40.2)

Fig. 40.1

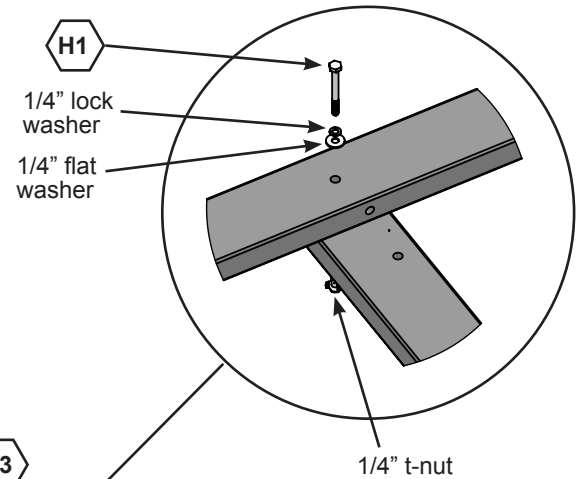
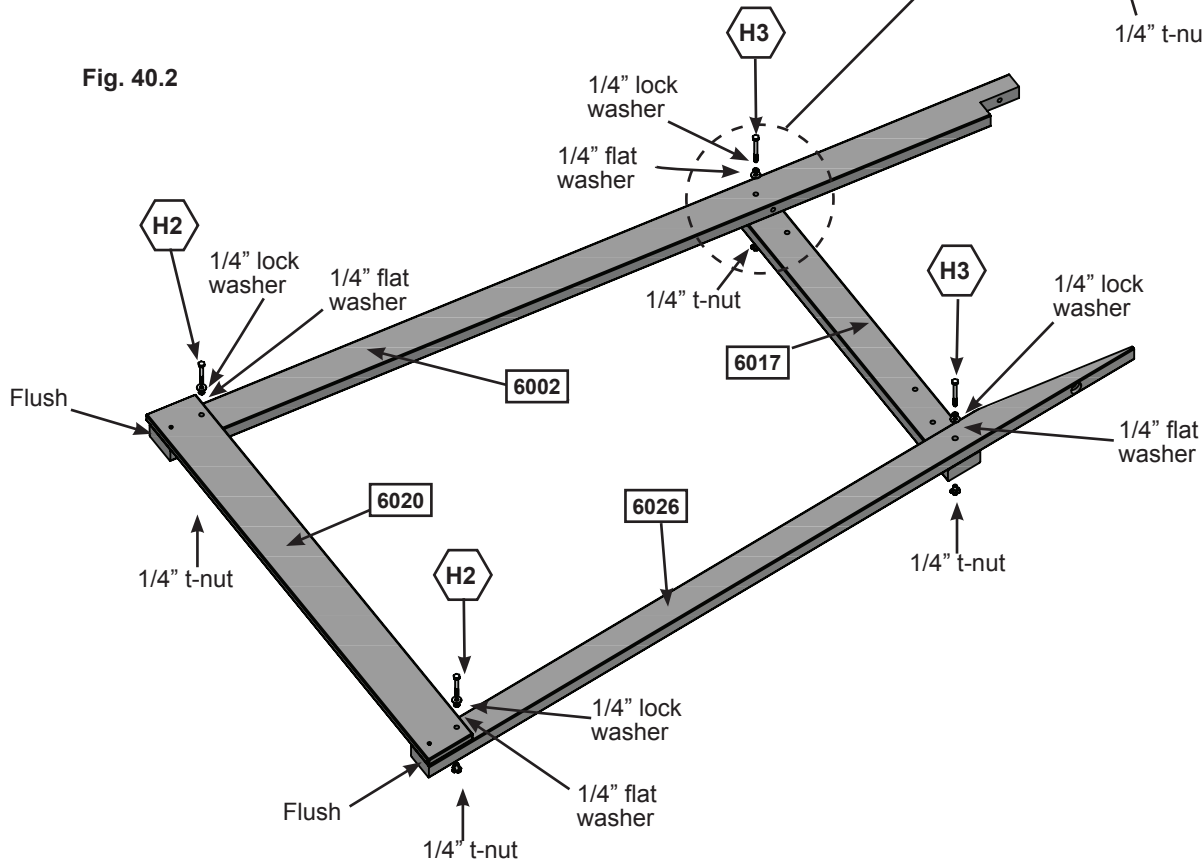


Fig. 40.2



### Wood Parts

- 1 x [6002] Long Post 31.8 x 82.6 x 1968.5mm
- 1 x [6017] Floor Support 31.8 x 82.6 x 875.3mm
- 1 x [6020] Short Ground 15.9 x 114.3 x 1122mm
- 1 x [6026] Rock Rail 31.8 x 69.9 x 1827mm

### Hardware

- 2 x [H2] 1/4 x 2" Hex Bolt (with 1/4" lock washer, 1/4" flat washer and 1/4" t-nut)
- 2 x [H3] 1/4 x 2-1/2" Hex Bolts (with lock washer, flat washer and t-nuts).



# Step 40: Lower Frame Assembly Part 2



**C:** Place 1 (6002) Long Post and 1 (6026) Rock Rail side by side with the (6002) Long Post on the right side, notched end at the top and facing the inside and the (6026) Rock Rail on the left. Make sure that the angled cut on the (6026) Rock Rail is at the top, facing inwards towards the (6002) Long Post. (Fig. 40.3 & 40.5)

**D:** From the underside of the assembly place 1 (6017) Floor Support making sure the pre-drilled holes match what is shown on fig.(Fig. 40.3). Attach using 2 (H3) 1/4 x 2-1/2" Hex Bolts (with lock washer, flat washer and t-nuts). (Fig. 40.3 & 40.4)

**E:** Place 1 (6018) Long Ground across the bottom of both pieces so that it's flush with the ends of the (6002) Long Post and the (6026) Rock Rail. Attach (6018) Long Ground using 2 (H2) 1/4 x 2" Hex Bolts (with lock washer, flat washer and t-nuts). (Fig. 40.3 )

**F:** On the underside of the (6018) Long Ground place 1 (0369) Lower Diagonal tight and flush to the (6002) Long Post and the (6018) Long Ground. Attach through (6018) Long Ground with 2 (H2) 1/4 x 2" Hex Bolts (with lock washer, flat washer and t-nut). Pre-drill upper hole of (0369) Lower Diagonal with a 1/8" (3.2mm) drill bit and install 1 (LS3) 1/4 x 3" Lag Screw (with flat washer). (fig. 40.3)

Fig. 40.3  
left view

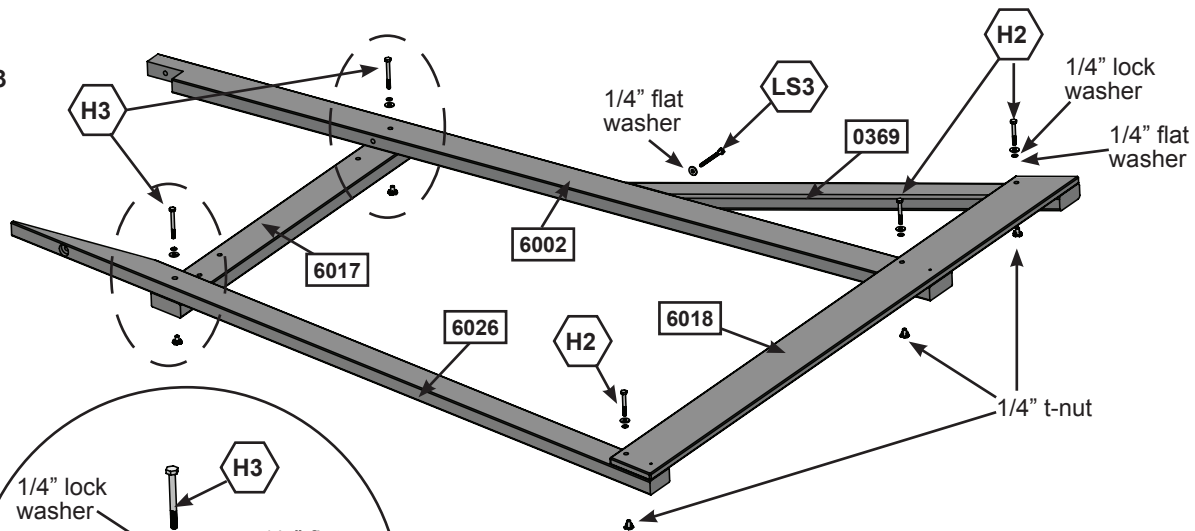


Fig. 40.4

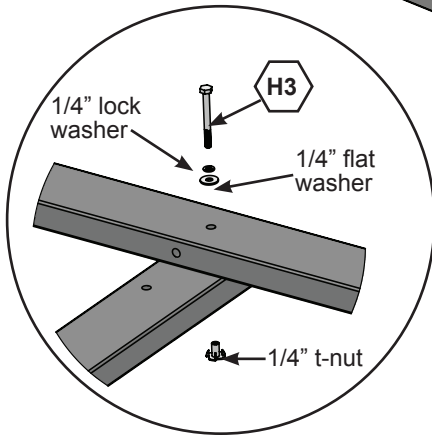
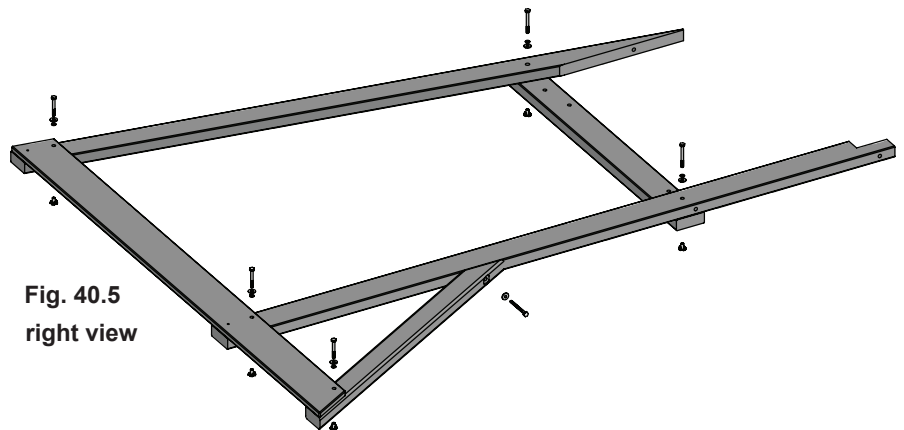


Fig. 40.5  
right view



## Wood Parts

- 1 x [6002] Long Post 31.8 x 82.6 x 1968.5mm
- 1 x [6017] Floor Support 31.8 x 82.6 x 875.3mm
- 1 x [6018] Long Ground 15.9 x 114.3 x 1576.1mm
- 1 x [6026] Rock Rail 31.8 x 69.9 x 1827mm
- 1 x [0369] Lower Diagonal 34.9 x 63.5 x 939.8mm

## Hardware

- 3 x [H2] 1/4 x 2" Hex Bolt (with 1/4" lock washer, 1/4" flat washer and 1/4" t-nut)
- 2 x [H3] 1/4 x 2-1/2" Hex Bolts (with lock washer, flat washer and t-nuts)
- 1 x [LS3] 1/4 x 3" Lag Screw (with flat washer)

# Step 41: Frame Assembly



**A:** Make sure that lower frame assemblies are square then attach 1 (6021) Back Ground to the outside of the (6002) Long Posts using 4 (S11) #8 x 2" Screws (with 3/16" flat washer) making sure that it is flush to the bottom. (Fig. 41.3 & 41.4 )

**B:** Making sure that it's flush to the bottom of the (6020) Short Ground and (6018) Long Ground, attach 1 (6019) Rock Bottom to the Rock Rails using 4 (S20) #8 x 1-3/8" Wood Screws. Make sure that the notch is at the top, left hand side.(Fig. 41.1 )

**C:** Place 1 (6042) Narrow Floor Board on the front end of the (6017) Floor Supports and 1 (6013) Floor Board on far end other as shown in (fig. 41.1) making sure they are flush with the (6002) Long Posts and (6026) Rock Rails. **Do not attach these boards until Step 27.**

**D:** Using the (6042) Narrow Floor Board as a guide, place (0600) Bottom trim flush to the top of the front (6042) Narrow Floor Board and attach to the Rock Rails using 2 (S7) #12 x 2" Pan Screws (with 3/16 flat washer) and 2 (S20) #8 x 1-3/8" Wood Screws.(Fig. 41.1 )

**E:** On the back side attach 1 (6034) Floor Back to the (6002) Long Posts using 1 (S7) #12 x 2" Pan Screw and 1 (H8) 1/4 x 4-1/4" Hex Bolt (with lock washer, flat washer and t-nut) per side. (Fig. 41.2 & 41.3)

Fig. 41.2

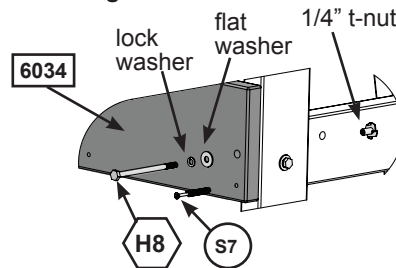


Fig. 41.3

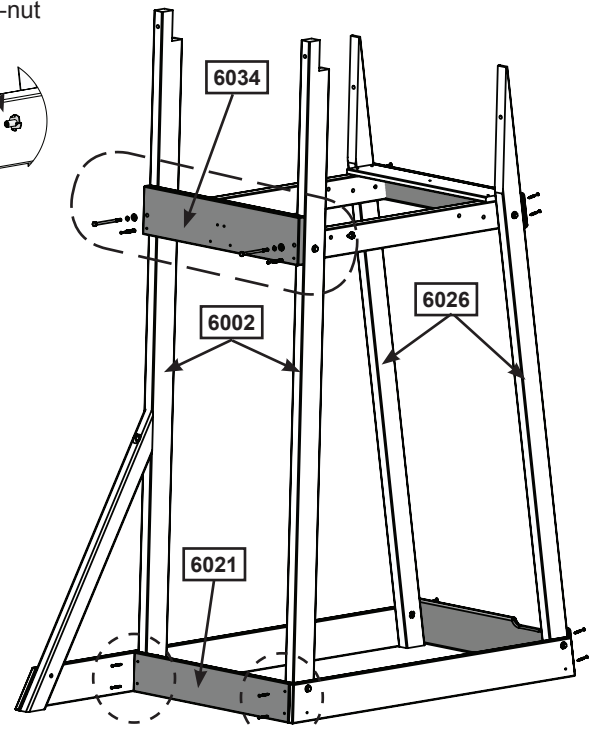


Fig. 41.1

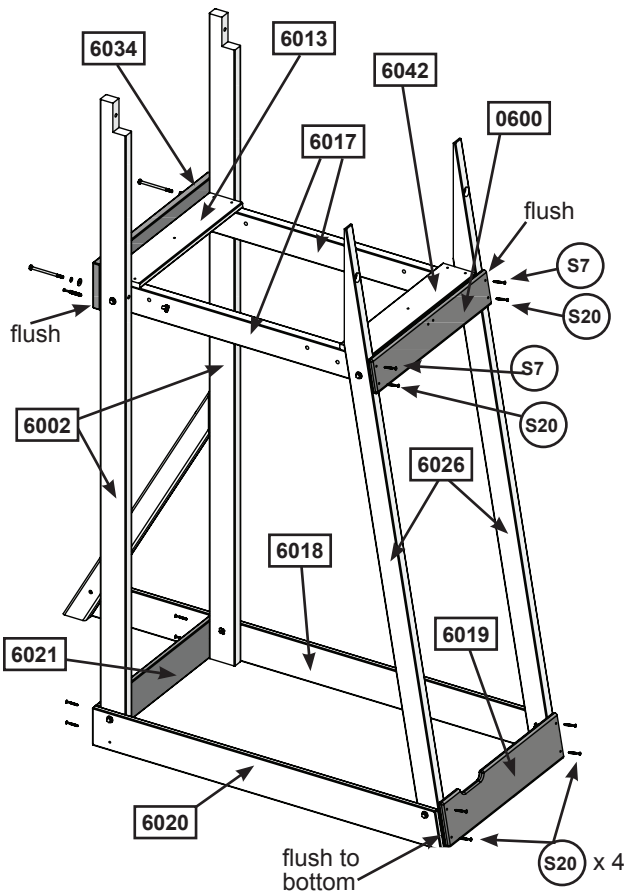
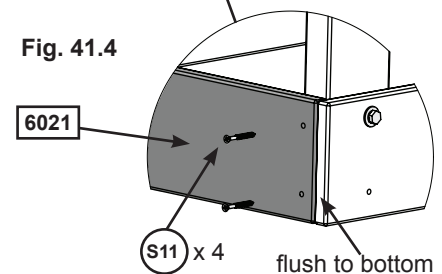


Fig. 41.4



## Wood Parts

1 x	6021	Back Ground 15.9 x 114.3 x 596.9mm
1 x	6019	Rock Bottom 15.9 x 133.4 x 596.9mm
1 x	6013	Floor Board 15.9 x 108 x 533.4mm
1 x	0600	Bottom Trim 15.9 X 101.6 X 596.9mm
1 x	6034	Floor Back 23.8 x 139.7 x 596.9mm
1 x	6042	Narrow Floor Back 15.9 x 98 x 533.4mm

## Hardware

4 x	S11	#8 x 2" Screws
6 x	S20	#8 x 1-3/8" Wood Screws
2 x	H8	1/4 x 4-1/4" Hex Bolt (with lock washer, flat washer and t-nut)
4 x	S7	#12 x 2" Pan Screw

## Step 42: Floor Assembly

**A:** Place (6003) Floor Joist flush to the underside of the (6013) Floor Board and centred over the pilot holes in the (6034) Floor Back and (0600) Bottom Trim. The angle cut should be flush with the (0600) Bottom trim (Fig. 42.1 and 42.2 and 42.3). Attach using 2 (S11) #8 x 2" Wood Screws per side. (Fig. 42.1 and 42.2 and 42.3)

**B:** Evenly Space the remaining (6013) floor boards and attach each board using 5 (S20) #8 x 1-3/8" Wood Screws per board. (Fig. 42.4 and 42.5)

Fig. 42.1

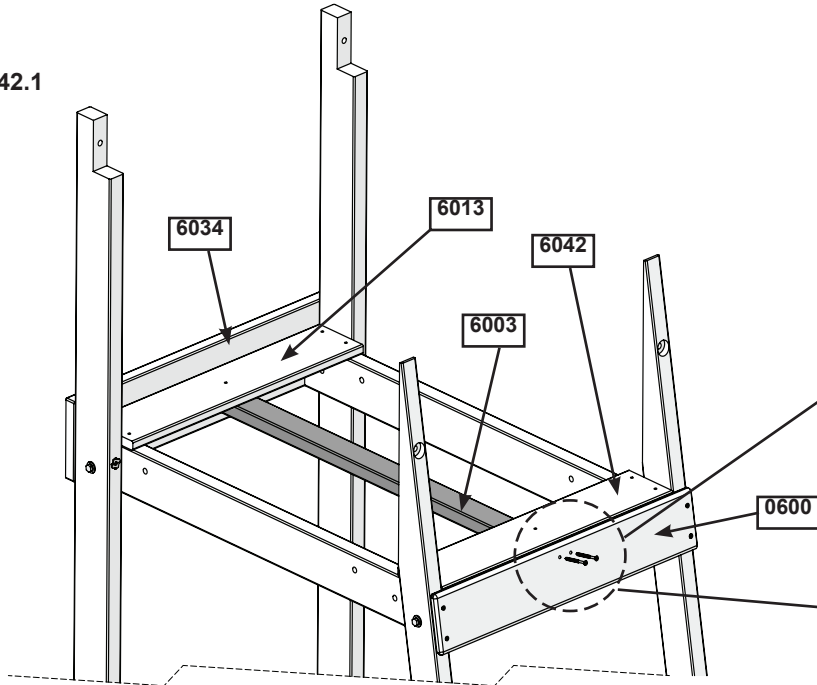


Fig. 42.2

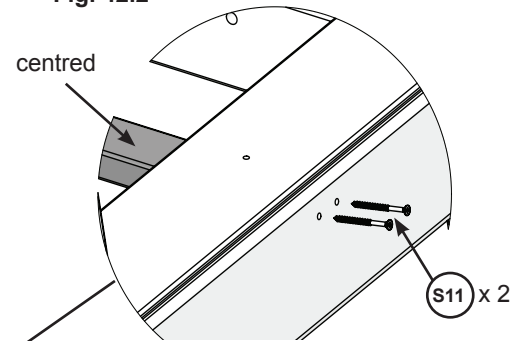


Fig. 42.3

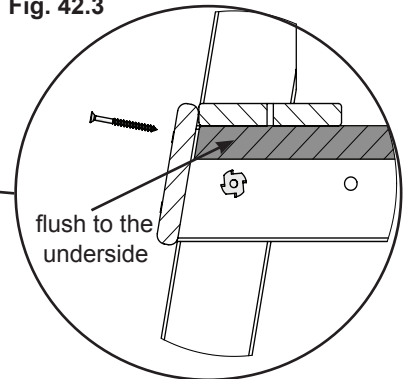


Fig. 42.4

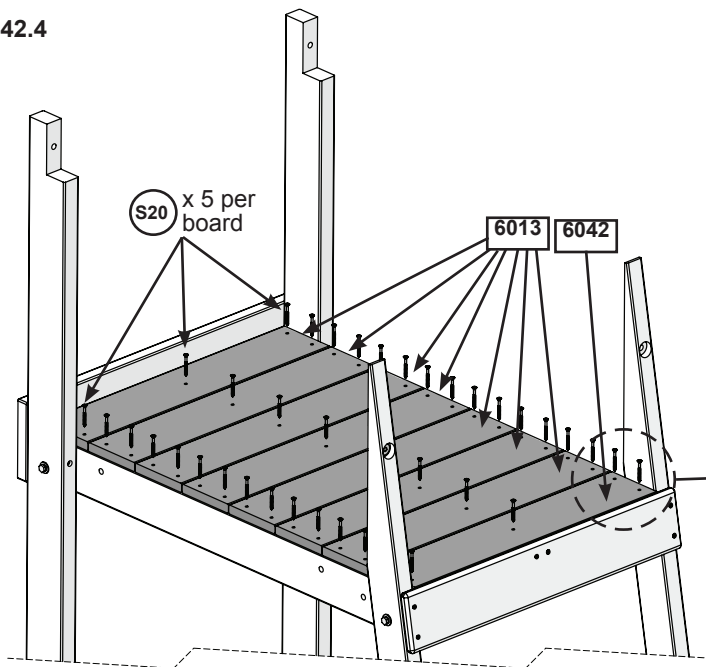
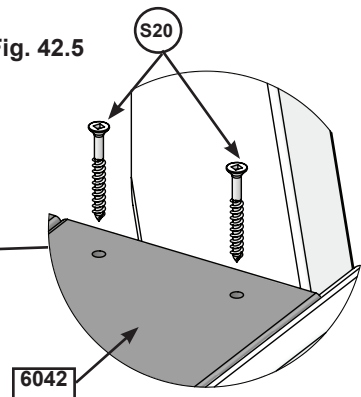


Fig. 42.5



### Wood Parts

- 1 x (6003) Floor Joist 23.8 x 50.8 x 862.2mm
- 6 x (6013) Floor Board 15.9 x 98 x 533.4mm

### Hardware

- 4 x (S11) #8 x 2" Wood Screws
- 40 x (S20) #8 x 1-3/8" Wood Screws

# Step 43: Climbing Wall Assembly

**A:** Starting with a (6009) Rock Board B at both the top and bottom of the Climbing Wall, alternate between (6010) Rock Boards A and (6009) Rock Boards B making sure that the boards are evenly spaced as shown in (fig. 43.1). Attach using 4 (S20) #8 x 1-3/8" Wood Screws per board. (Fig. 43.1 & 43.2)

**Note:** Board orientation must be followed closely.

Fig. 43.1

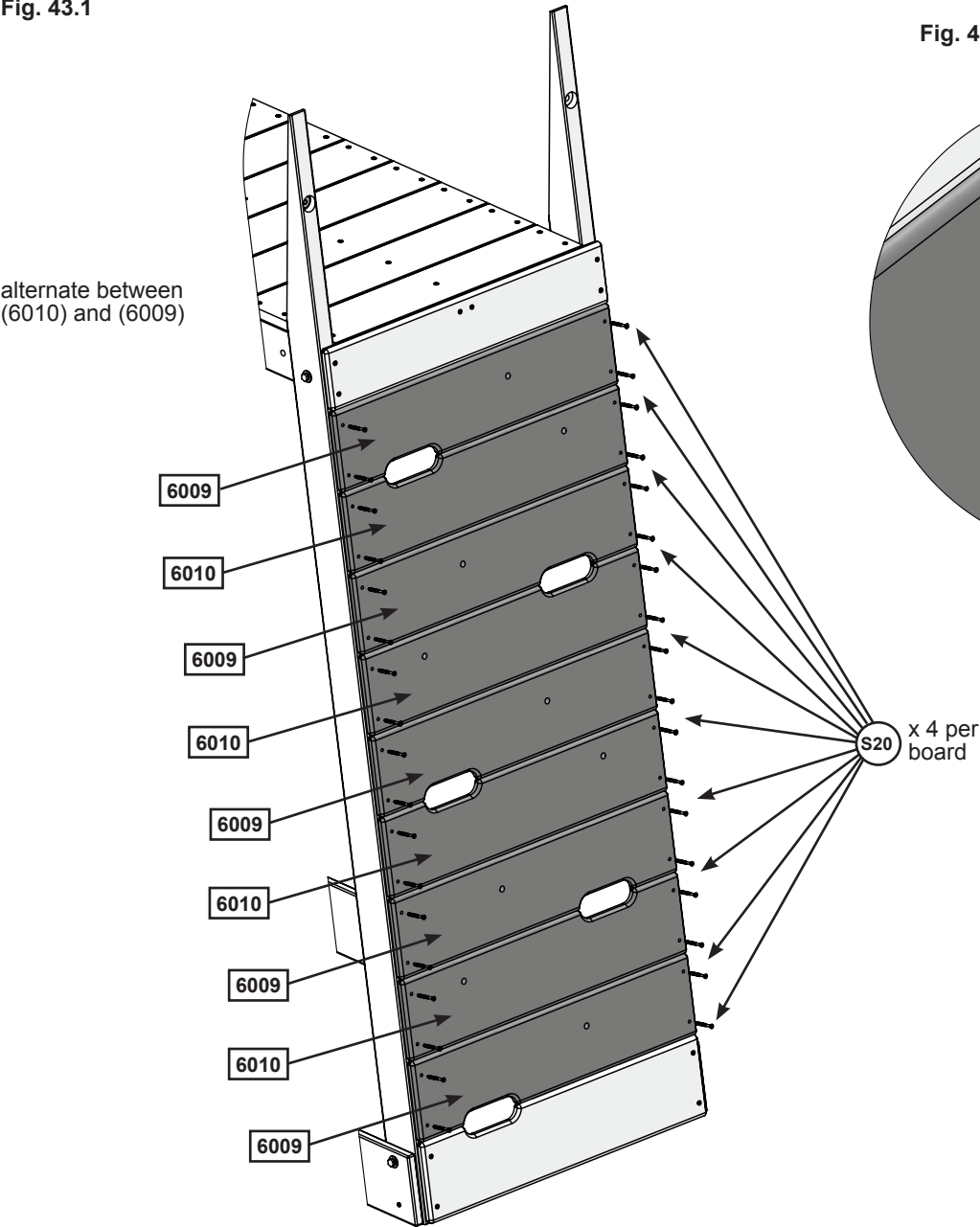
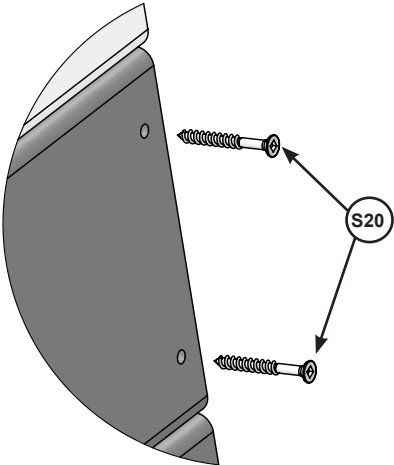


Fig. 43.2



**Wood Parts**

- 5 x 6009 Rock Board B 15.9 x 133.4 x 596.9mm
- 4 x 6010 Rock Board A 15.9 x 133.4 x 596.9mm

**Hardware**

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

# Step 44: Wall Top Assembly Part 1



**A:** Making sure that assemblies are square, position the Left Wall Assembly onto the lower left assembly as shown in (fig. 44.1 & 44.2). Attach (6002) Long Post to (6012) Short Post using 1 (H12) 1/4 x 3" Hex Bolt (with lock washer, flat washer and t-nut). In the upper hole of (6026) Rock Rail, pre-drill with a 1/8" (3.2mm) drill bit and install 1 (LS3) 1/4 x 3" Lag Bolt (with flat washer). Install 1 (H3) 1/4 x 2-1/2" Hex Bolt (with flat washer, lock washer and t-nut) in the (6000) Upper Post. (fig. 44.1 & 44.2)

Fig. 44.1

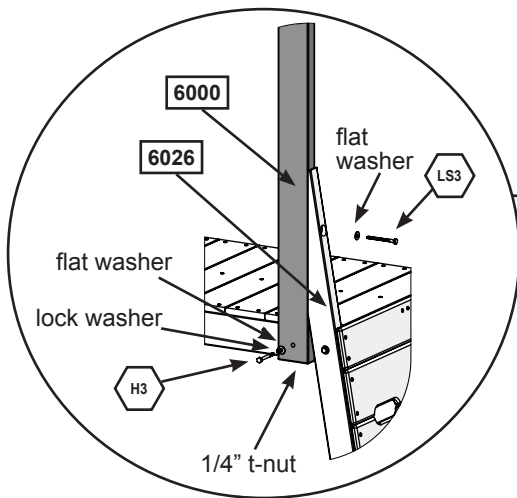
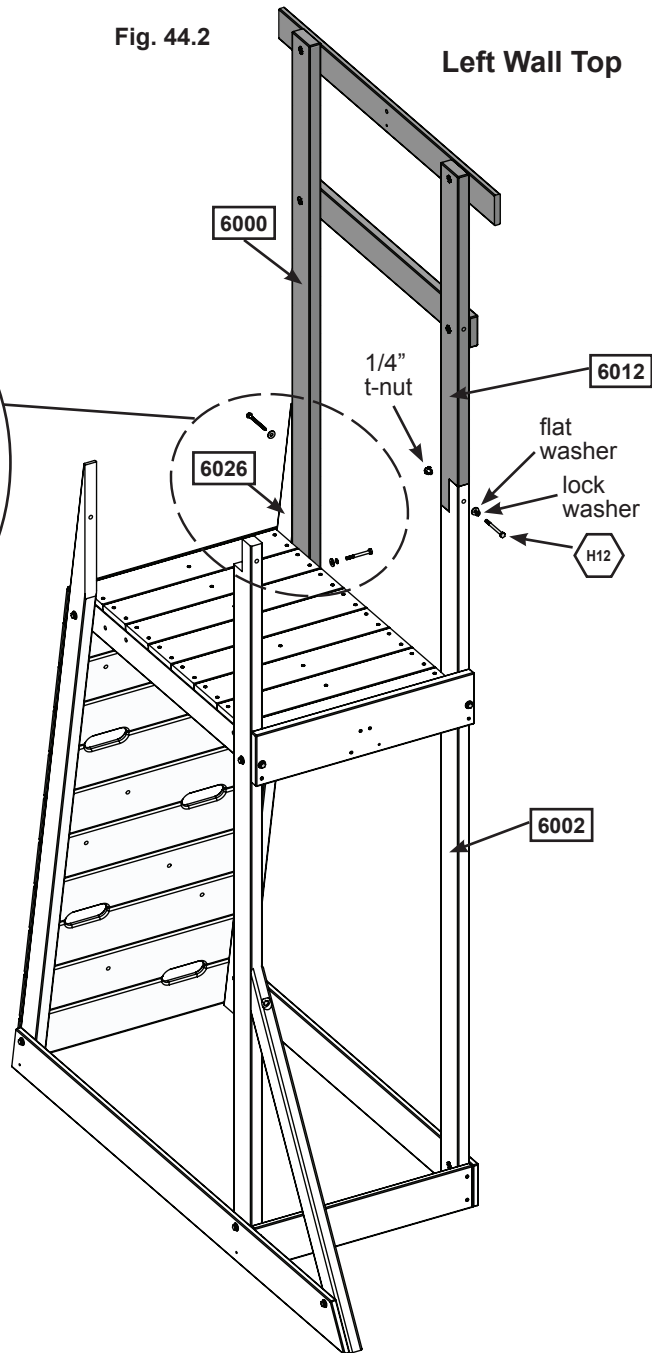


Fig. 44.2



## Hardware

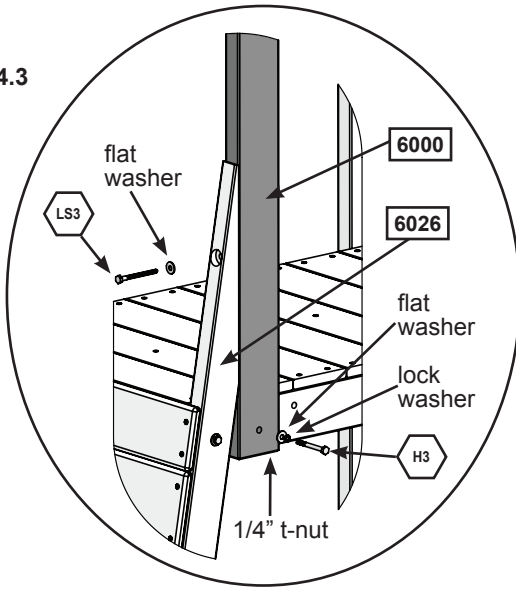
- 1 x 1/4 x 3" Hex Bolt (with lock washer, flat washer and t-nut)
- 1 x 1/4 x 3" Lag Bolt (with flat washer)
- 1 x 1/4 x 2-1/2" Hex Bolt (with flat washer, lock washer and t-nut)

# Step 44: Wall Top Assembly Part 2



**B:** Repeat step A to install the Right Wall Assembly. (fig. 44.3 & 44.4)

Fig. 44.3



Right Wall Top

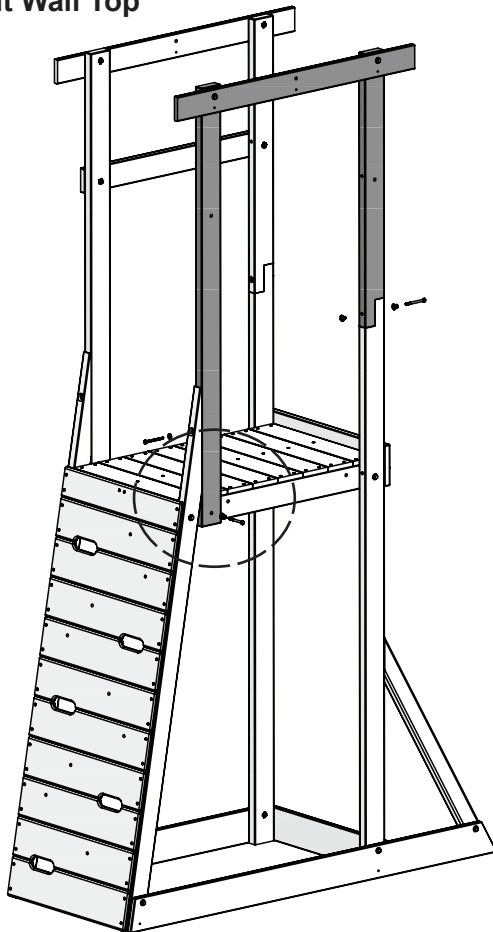
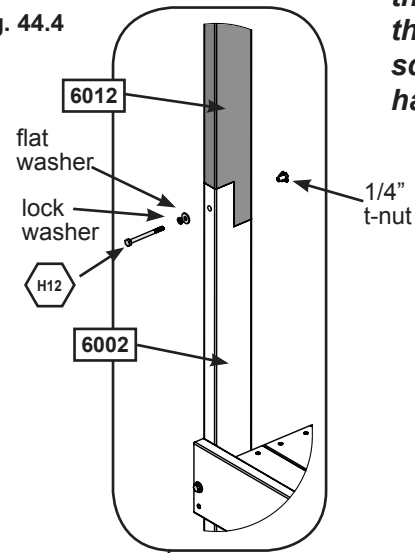
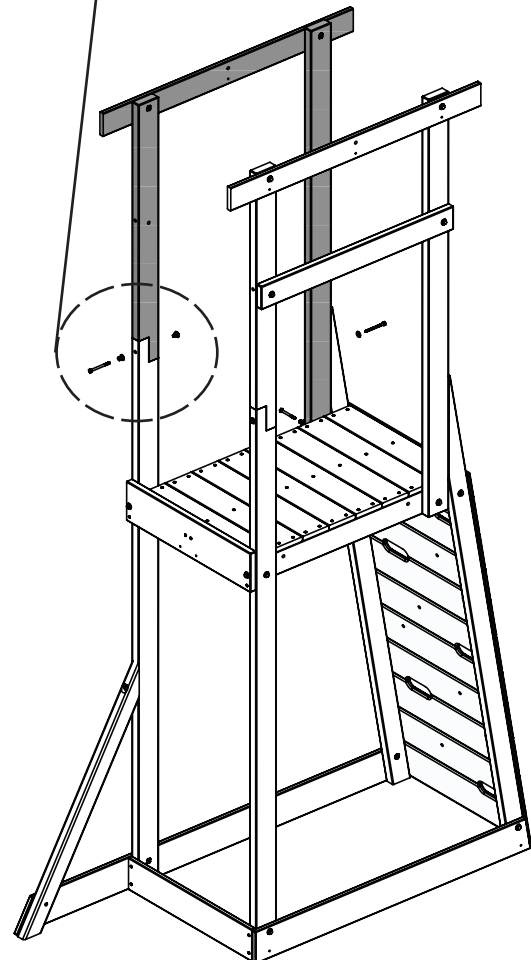


Fig. 44.4



Right Wall Top



*Before proceeding to the next step ensure that unit is completely square and all hardware is tightened.*

## Hardware

- 1 x 1/4 x 3" Hex Bolt (with lock washer, flat washer and t-nut)
- 1 x 1/4 x 3" Lag Bolt (with flat washer)
- 1 x 1/4 x 2-1/2" Hex Bolt (with flat washer, lock washer and t-nut)



## Step 45: Install Top Back

**A:** On the back side of the assembly install (6028) Top Back using 2 (H8)  $\frac{1}{4}$  x 4-1/4" Hex Bolt (with flat washer, lock washer and t-nut) in the upper hole and 2 (S7) #12 x 2" Pan Screws in the bottom holes. (fig 45.1 & 45.3)

**B:** On the left and right Roof Sides install 2 (S20) #8 x 1-3/8" Wood Screws into the bottom holes. (fig 45.1 & 45.2)

**C:** Install 1 (S20) #8 x 1-3/8" Wood Screw into each pre-drilled hole on the bottom of the (6020) Short Ground and (6018) Long Ground as shown in (fig. 45.1 & 45.4).

Fig. 45.2

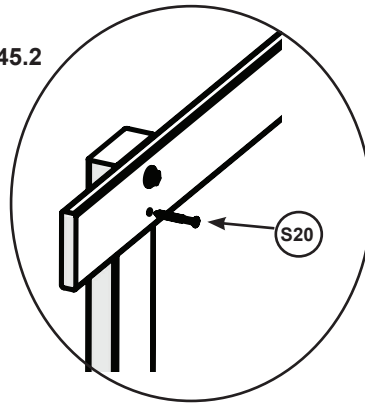


Fig. 45.1

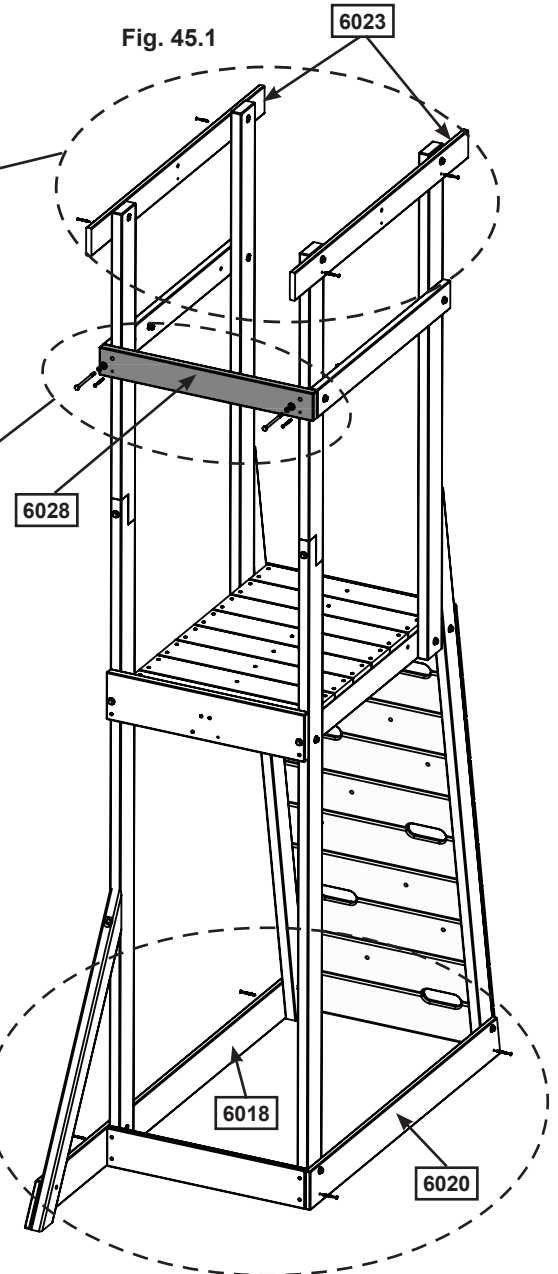


Fig. 45.3

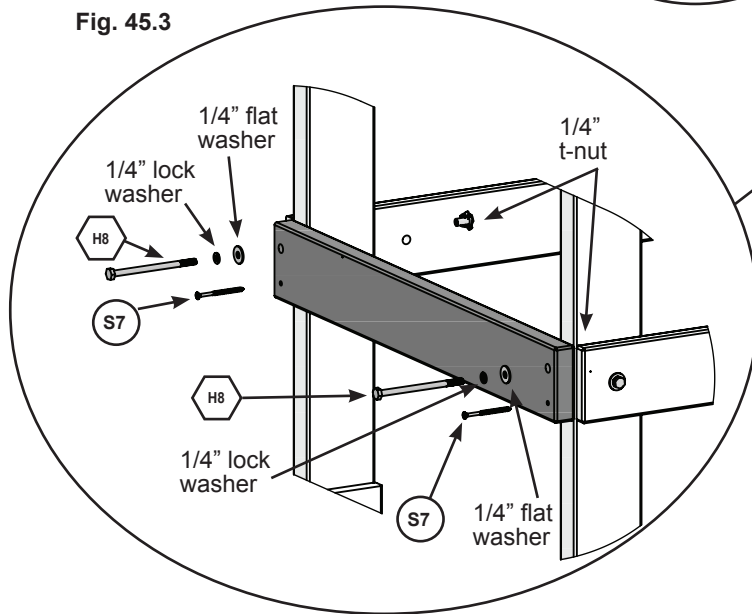
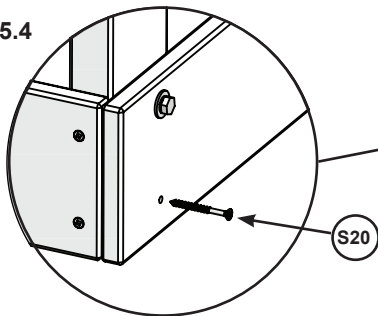


Fig. 45.4



### Wood Parts

1 x 6028 Top Back 23.8 x 82.6 x 644.5mm

### Hardware

8 x S20 #8 x 1-3/8" Wood Screws

2 x S7 #12 x 2" Pan Screws

2 x H8  $\frac{1}{4}$  x 4-1/4" Hex Bolt (with lock washer, flat washer and t-nut)

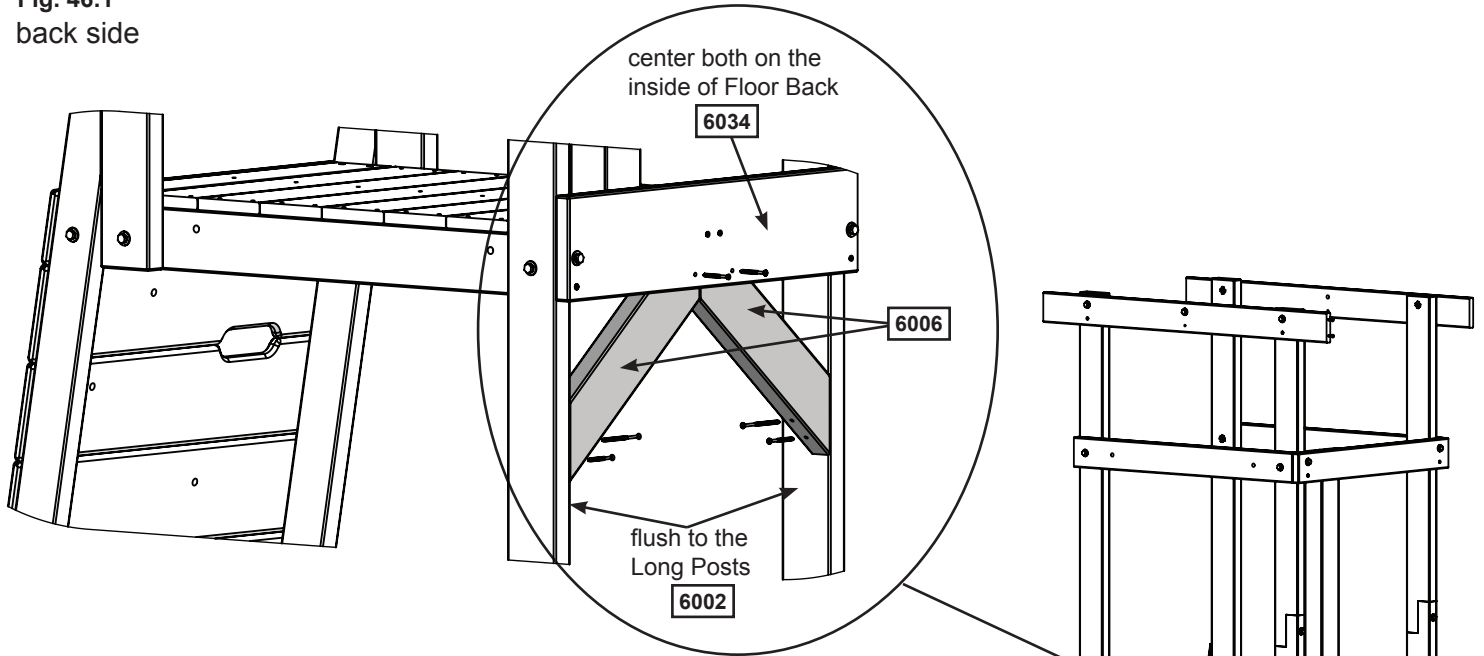


## Step 46: Install Gussets Part 1

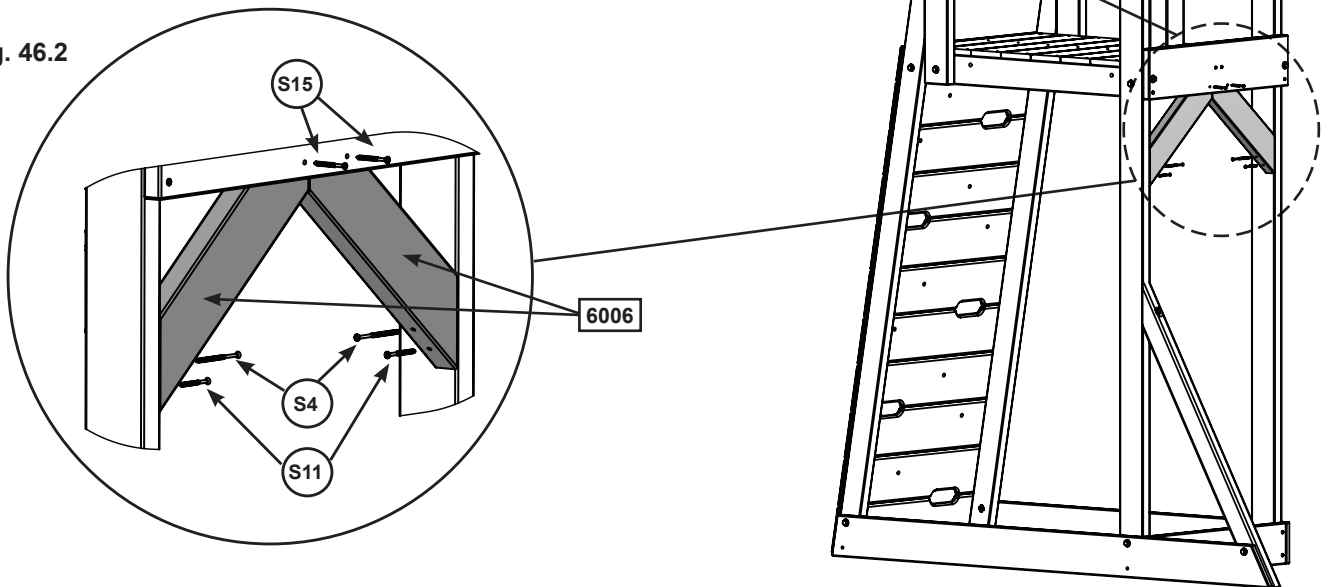
**A:** On the back side of the assembly place 2 (6006) Back Gussets so they meet tightly together to form a point. Center the (6006) Back Gussets on the inside of the (6034) Floor Back making sure the other ends are flush to the Long Posts. (Fig.46.1)

**B:** From the outside, attach the (6006) Back Gussets at the top using 2 (S15) #8 x 1-3/4" Wood Screws. Attach the (6006) Back Gussets to the (6002) Long Posts using 1 (S4) #8 x 3" Wood Screw per side in the upper hole and 1 (S11) #8 x 2" Wood Screw per side in the bottom holes. (Fig.46.2)

**Fig. 46.1**  
back side



**Fig. 46.2**



### Wood Parts

2 x **6006** Back Gusset 31.8 x 82.6 x 396.9mm

### Hardware

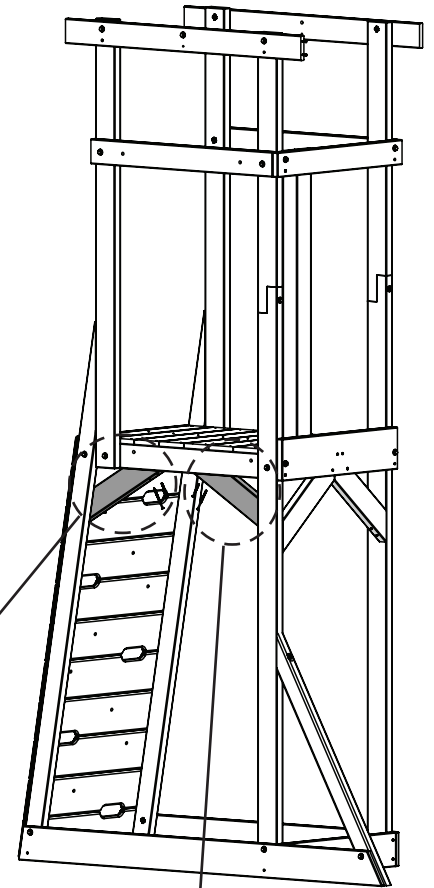
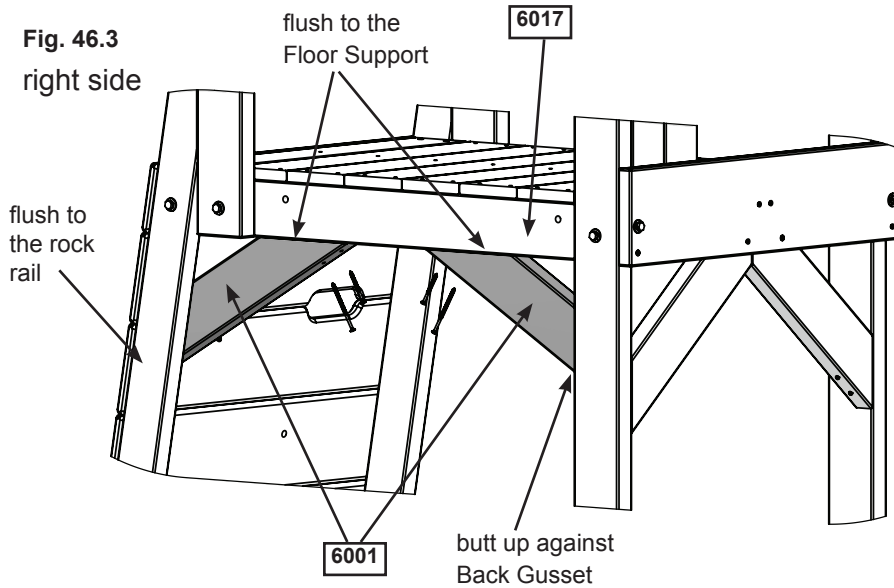
2 x **S4** #8 x 3" Wood Screw

2 x **S11** #8 x 2" Wood Screw

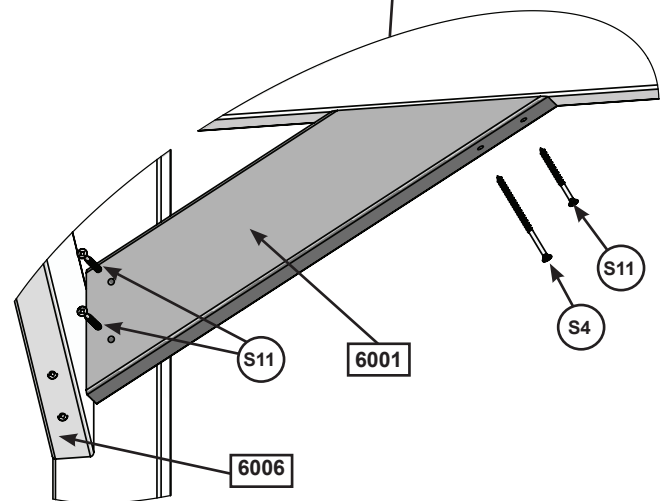
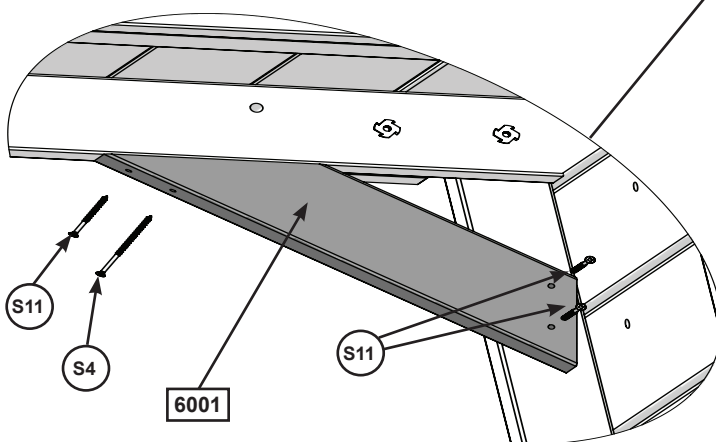
2 x **S15** #8 x 1-3/4" Wood Screws

## Step 46: Install Gussets Part 2

**C:** On the right side of the assembly place 2 (6001) Gussets so that they are flush to the (6017) Floor Support. The upper corner of the front (6001) Gusset should be flush to back of the wall boards while the other (6001) Gusset should butt up against the (6006) Back Gusset previously installed. Install (6001) Gussets using 6 (S11) #8 x 2" Wood Screws and 2 (S4) #8 x 3" Wood Screws. (Fig.46.3 & 46.4 )



**Fig. 46.4** view from underneath



### Wood Parts

2 x **6001** Gusset 31.8 x 82.6 x 406.4mm

### Hardware

2 x **S4** #8 x 3" Wood Screw

6 x **S11** #8 x 2" Wood Screw

# Step 47: Attach Tarp Frame Part 1



**A:** Place 1 (6024) Tarp End on either side of the (6023) Roof Sides as shown in (Fig. 47.1 & 47.2). Pre-drill with a 1/8" (3.2mm) drill bit and attach from the outside using 4 (S20) #8 x 1-3/8" Wood Screws per side.

**B:** On each inside corner attach a Corner Bracket to the (6024) Tarp Ends and (6023) Roof Sides using 3 (S37) #7 x 5/8" Pan Screws per bracket. (Fig. 47.1 & 47.2)

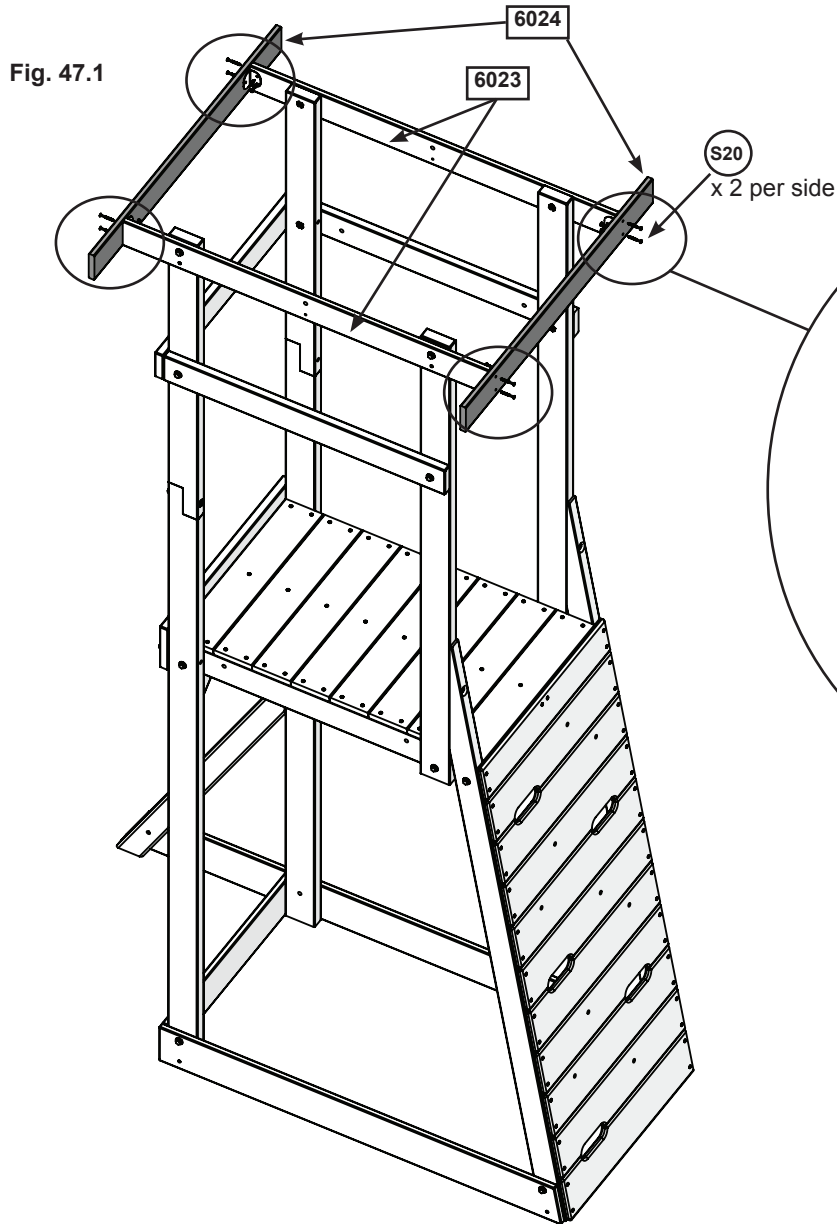
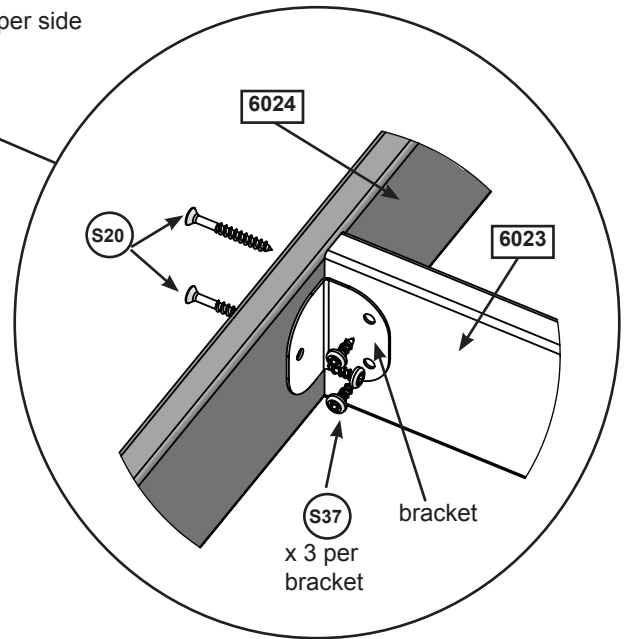


Fig. 47.2



## Wood Parts

2 x 6024 Tarp End 15.9 x 82.6 x 901.7mm

## Hardware

12 x S37 #7 x 5/8" Pan Screws

8 x S20 #8 x 1-3/8" Wood Screws

## Other Parts

4 x Corner bracket

## Step 47: Attach Tarp Frame Part 2

**C:** From inside the assembly using the center holes on the (6023) Roof Sides attach 1 (6008) Tarp Upright per side with 1 (H2)  $\frac{1}{4}$  x 2" Hex Bolt (with flat washer, lock washer and t-nut) per side in the upper holes and 1 (S15) #8 x 1-3/4" Wood Screw per side in the bottom holes. (Fig. 47.3 & 47.4)

**D:** On the top of the (6008) Tarp Uprights install 1 (6025) Tarp Support with 2 (S4) #8 x 3" Wood Screws. (Fig. 47.3 & 47.4)

Fig. 47.3

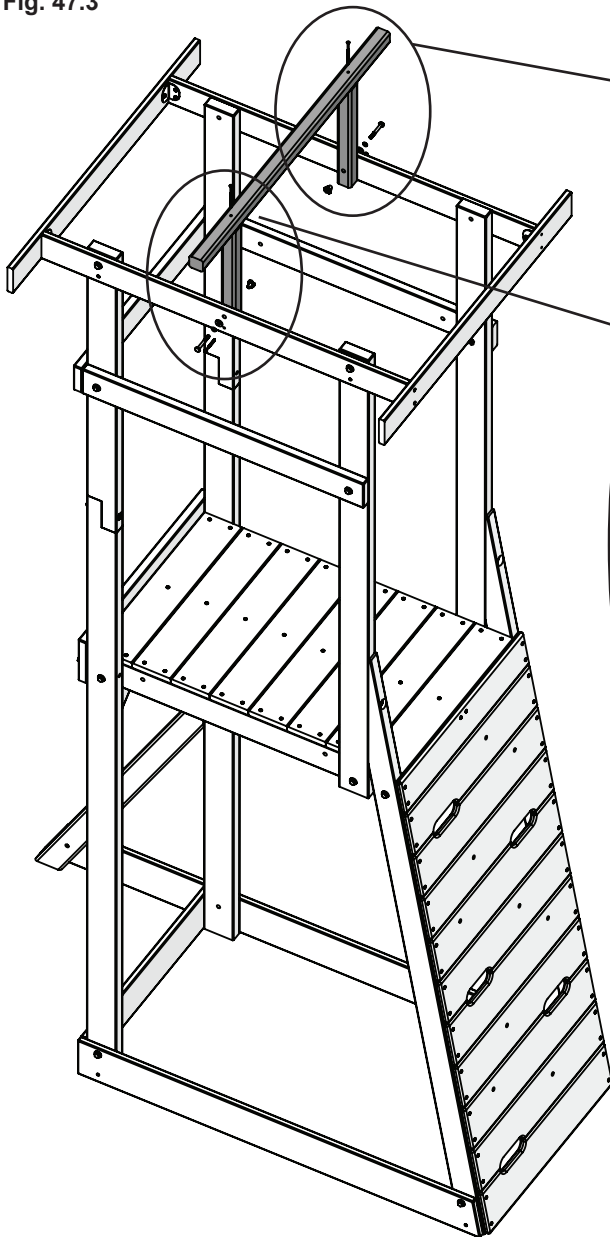
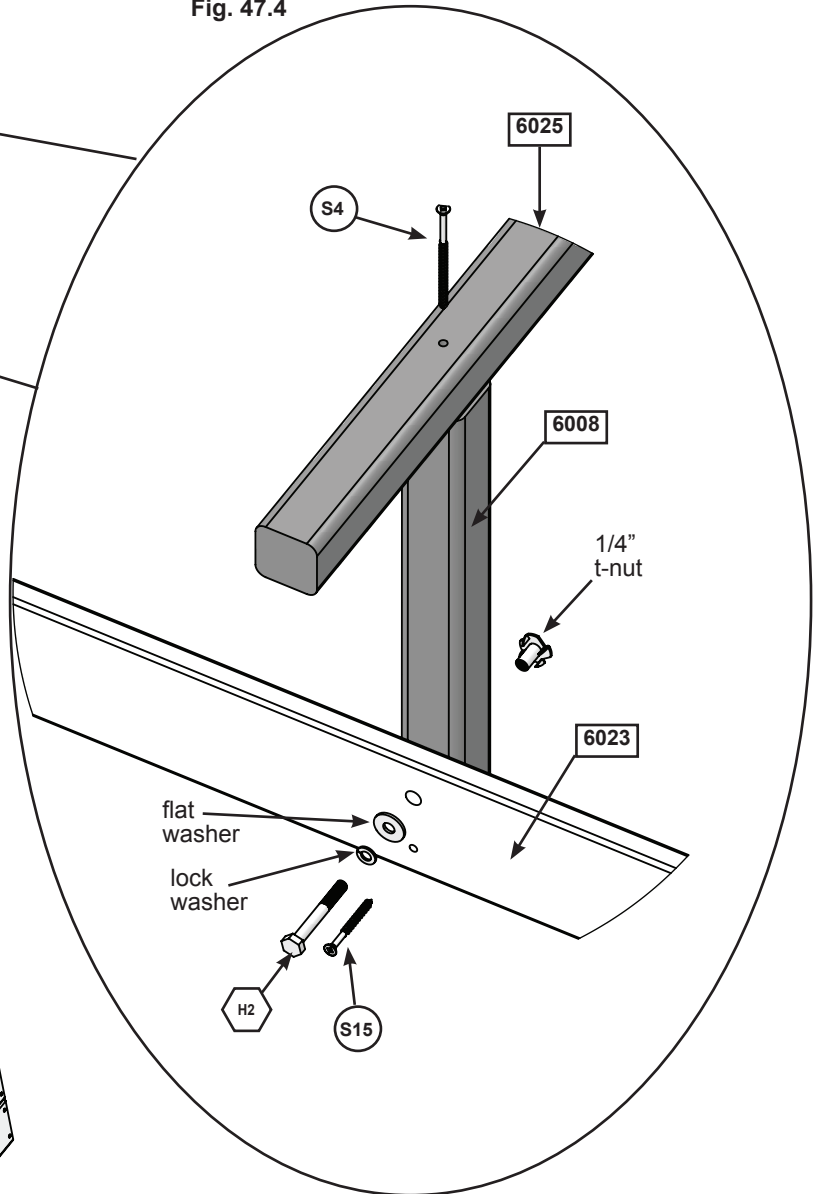


Fig. 47.4



### Wood Parts

- 1 x 6025 Tarp Support 38.1 x 38.1 x 901.7mm
- 2 x 6008 Tarp Upright 38.1 x 38.1 x 336.6mm

### Hardware

- 2 x H2  $\frac{1}{4}$  x 2" Hex Bolt (with flat washer, lock washer and t-nut)
- 2 x S15 #8 x 1-3/4" Wood Screw Screws
- 2 x S4 #8 x 3" Wood Screw

## Step 48: Attach Tower Canopy

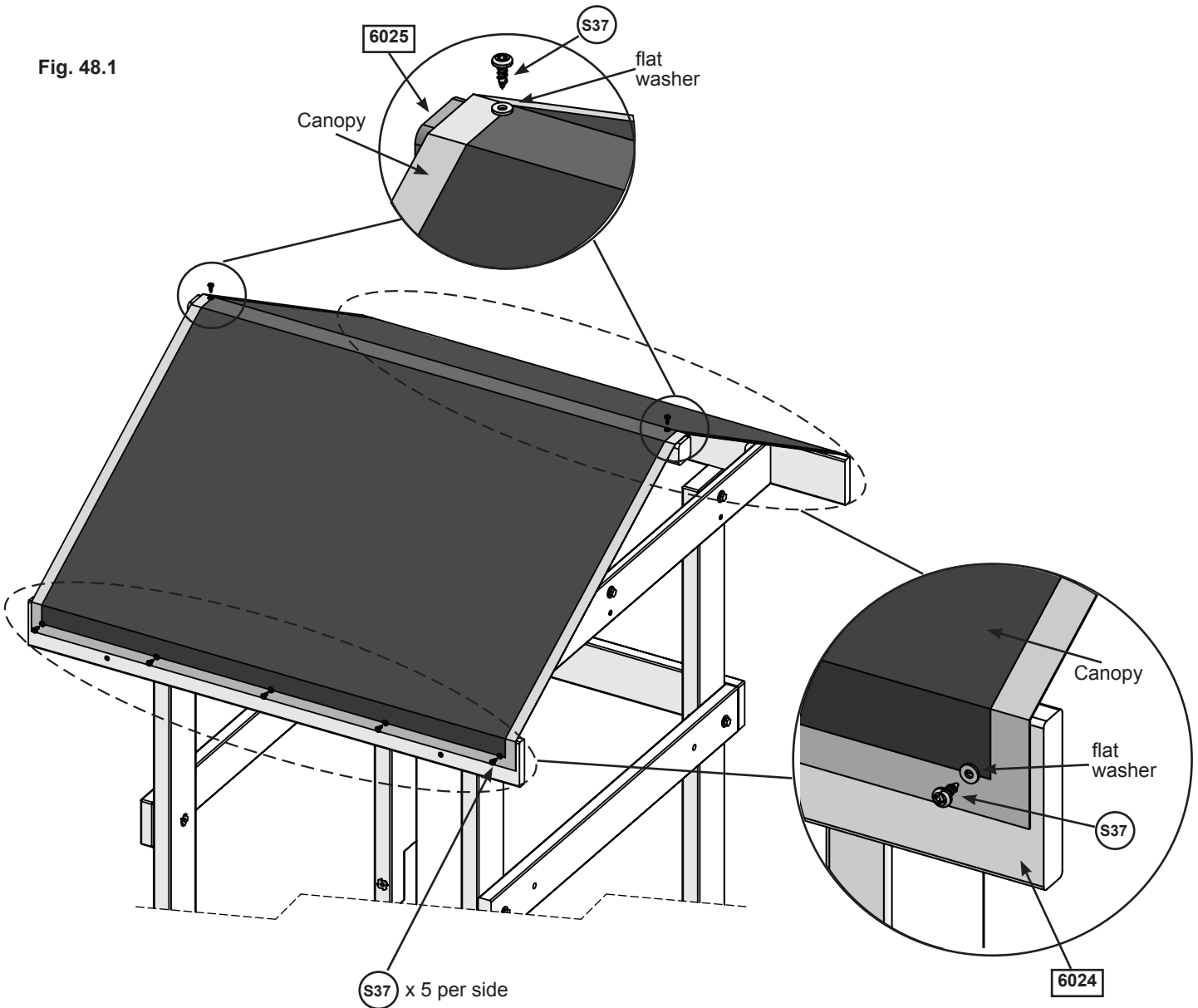
**A:** Place Tower Canopy over (6025) Tarp Support making sure bottom edges of Tower Canopy are even on both sides of assembly.(Fig. 48.1)

**B:** Secure one side by attaching Tower Canopy to 1 (6024) Tarp End using 5 (S37) #7 x 5/8" Pan Screws (with #8 flat washer). (Fig. 48.1)

**C:** Make sure the Tower Canopy is smooth and tight and then secure to the remaining (6024) Tarp End using 5 (S37) #7 x 5/8" Pan Screws (with #8 flat washer). (Fig. 48.1)

**D:** Attach Tower Canopy to each end of the (6025) Tarp Support using 2 (S37) #7 x 5/8" Pan Screws (with #8 flat washer).(Fig. 48.1)

Fig. 48.1



### Hardware

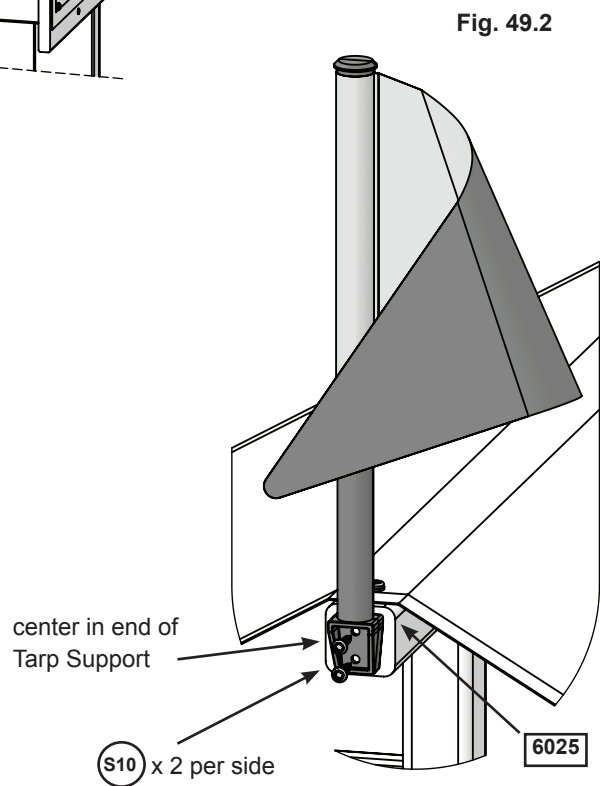
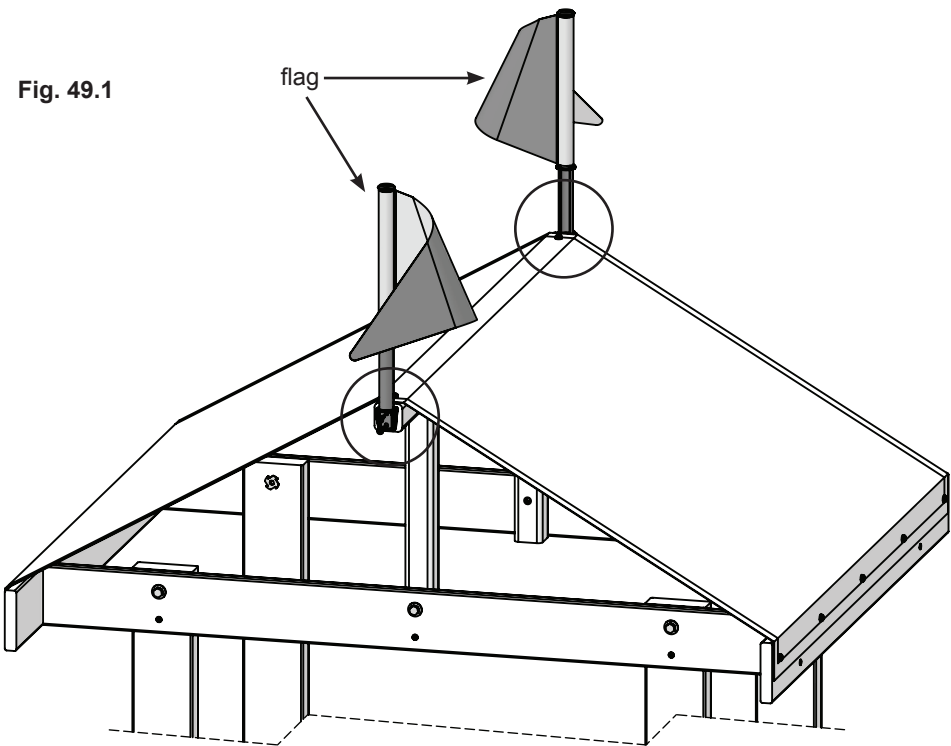
12 x (S37) #7 x 5/8" Pan Screws (with #8 flat washer)

### Other Parts

1 x Tower Canopy

# Step 49: Install Flags

**A:** On each end of the (6025) Tarp Support center 1 Flag and attach using 2 (S10) #8 x 1" Pan Screws per side. (Fig. 49.1 & 49. 2)



**Hardware**

4 x (S10) #8 x 1" Pan Screws

**Other Parts**

2 x Flag and Pole

## Step 50: Attach Trim

**A:** Flush to the (0600) Bottom Trim and to the outside edge of the (6026) Rock Rail attach 1 (0602) Short Trim on each side of the (6026) Rock Rails with 1 (S20) #8 x 1-3/8" Wood Screw per side in the center hole. (Fig. 50.1 & 50.2)

**B:** Flush to the top of both (0602) Short Trims attach 1 (0601) Side Trim with 4 (S20) #8 x 1-3/8" Wood Screws per side. (Fig. 50.1 & 50.2)

**C:** Making sure that it's flush with the top of (6030) Tunnel Side Top and both (0601) Side Trims attach 1 (0603) Top trim to the (6000) Upper Posts using 4 (S20) #8 x 1-3/8" Wood Screws. (Fig. 50.1 & 50.2)

Fig. 50.1

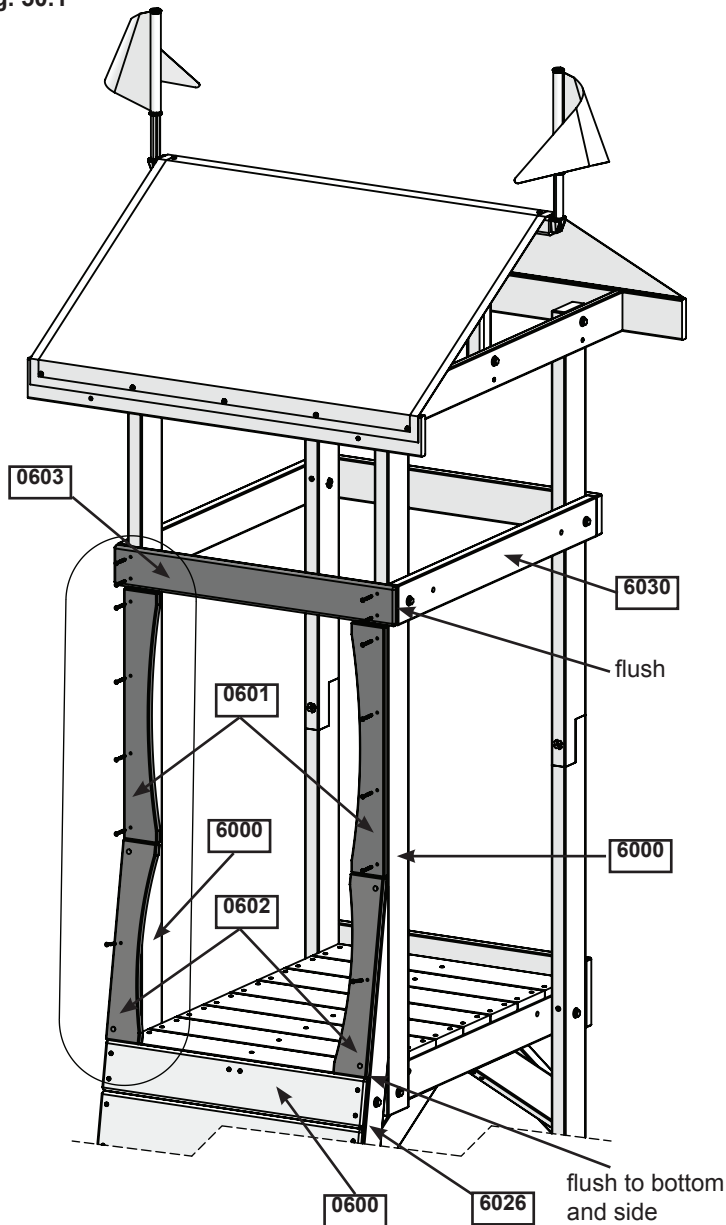
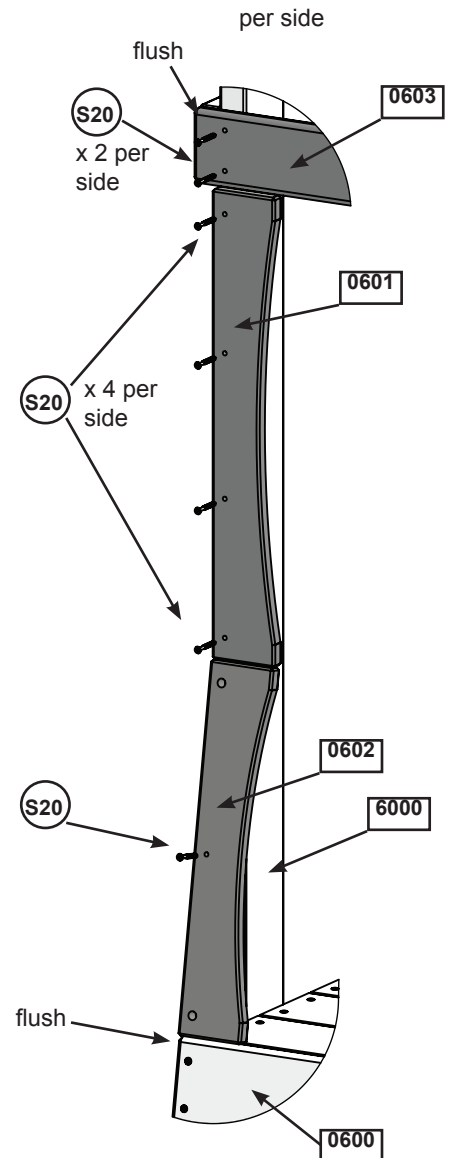


Fig. 50.2



### Wood Parts

- 1 x 0603 Top Trim 15.9 X 101.6 X 596.9mm
- 2 x 0601 Side Trim 15.9 x 76.2 x 500mm
- 2 x 0602 Short Trim 15.9 x 76.2 x 420mm

### Hardware

- 14 x (S20) #8 x 1-3/8" Wood Screws



## Step 51: Attach Hand Grips



**A:** Place 1 Hand Grip over the existing holes in (0602) Short Side Trim, making sure that it's centered and flush to the edges. Pre-drill with a 1/8: (3.2mm) drill bit and attach Hand Grip with 2 (LS2) 1/4 x 2-1/2" Lag Screws (with flat washers). (fig. 51.1 and 51.2)

**B:** Repeat step to install a second Hand Grip on the other side.

Fig. 51.1

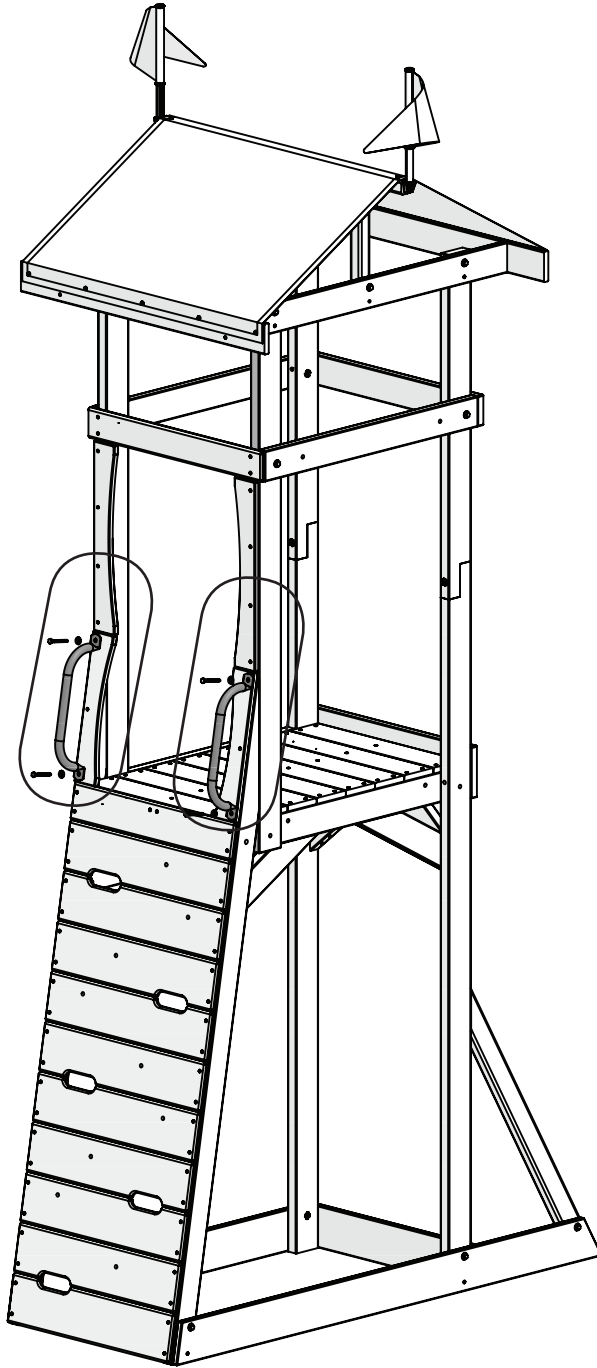
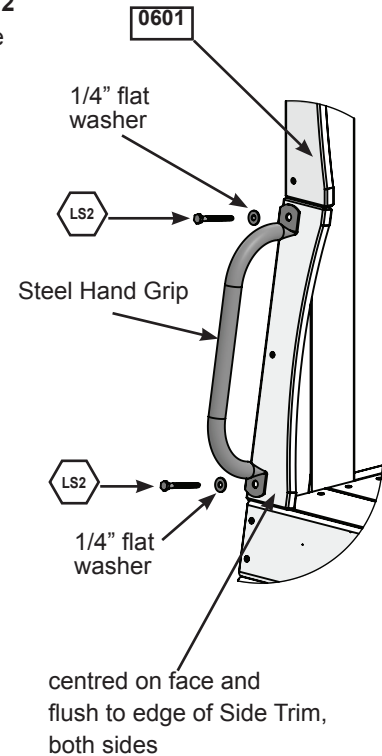



Fig. 51.2  
per side



### Hardware

4 x  1/4 x 2-1/2" Lag Screws (with flat washers)

### Other Parts

2 x Steel Hand Grip

## Step 52: Attach SL Brace

**A:** On the left side wall, place 1 (6022) SL Brace against the (6017) Floor Support making sure that it's flush with the top of the floorboards. Attach using 2 (H3)  $\frac{1}{4}$  x 2-1/2" Hex Bolt (with flat washer, lock washer and t-nut). (Fig. 52.1 & 52.2 & 52.3)

**B:** Center the (6005) Slide Block vertically in the slide opening ensuring that it's flush to the bottom of (6022) SL Brace and attach to the (6017) Floor Support using 2 (S11) #8 x 2" Wood Screws. (Fig. 52.1 & 52.2 & 52.3)

**C:** From inside the assembly place 1 (6032) TNR Wall so it's pressed against the inside of the (6005) Slide Block, (6026) Rock Rail and (6002) Long Post. Ensure that the bottom of the (6032) TNR Wall is flush with the bottom of the (6005) Slide Block and attach with 7 (S11) #8 x 2" Wood Screws. (Fig. 52.1 & 52.2 & 52.3).

Fig. 52.1  
left side wall

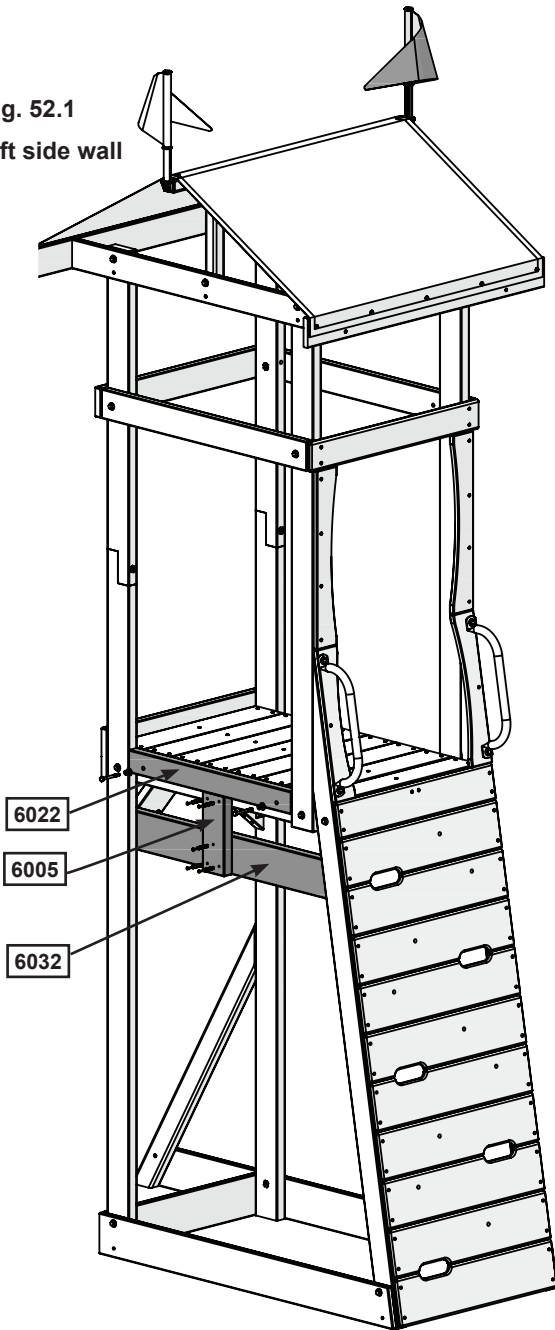


Fig. 52.2  
inside

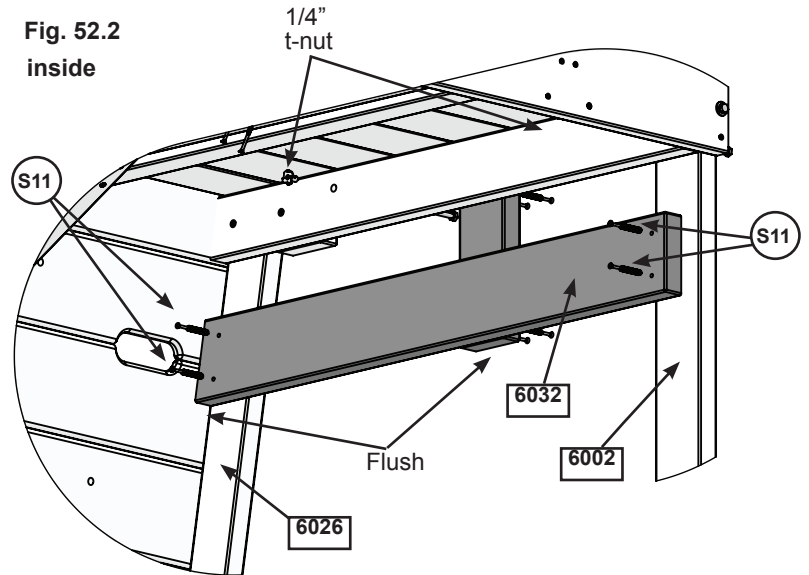
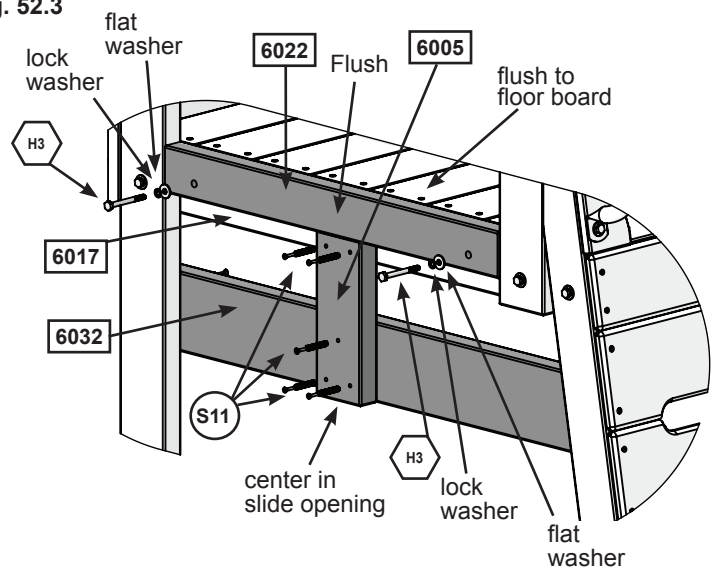


Fig. 52.3



### Wood Parts

- 1 x 6022 SL Brace 31.8 x 63.5 x 616mm
- 1 x 6005 TNR Slide Block 31.8 x 82.6 x 222.3mm
- 1 x 6032 TNR Wall 31.8 x 108 x 874mm

### Hardware

- 9 x S11 #8 x 2" Wood Screws
- 2 x H3  $\frac{1}{4}$  x 2-1/2" Hex Bolt (with flat washer, lock washer and t-nut)

# Step 53: Attach Tunnel Wall Assembly



**A:** On the left side of the tunnel wall place 1 (6007) Wall Support beside the (6000) Upper Post. The top of the (6007) Wall Support should be behind the (6030) Tunnel Side Top and the bottom end should be on the outside of the (6017) Floor Support. Attach using 1 (H2) 1/4 x 2" Hex Bolts (with flat washer, lock washer and t-nut) in tunnel side and 1 (H3) 1/4 x 2-1/2" Hex Bolt in Floor Support. (Fig. 53.1 & 53.2)

**B:** Repeat step A to install a second (6007) Wall Support on the right side of the tunnel wall. (Fig. 53.1 & 53.2)

**C:** Measure to ensure that there is a 17" (432mm) space between the 2 (6007) Wall Supports and attach 1 (6014) Tunnel Spacer flush to the top of the floor boards with 5 (S11) #8 x 2" Wood Screws.(Fig. 53.1 & 53.2)

Fig. 53.1

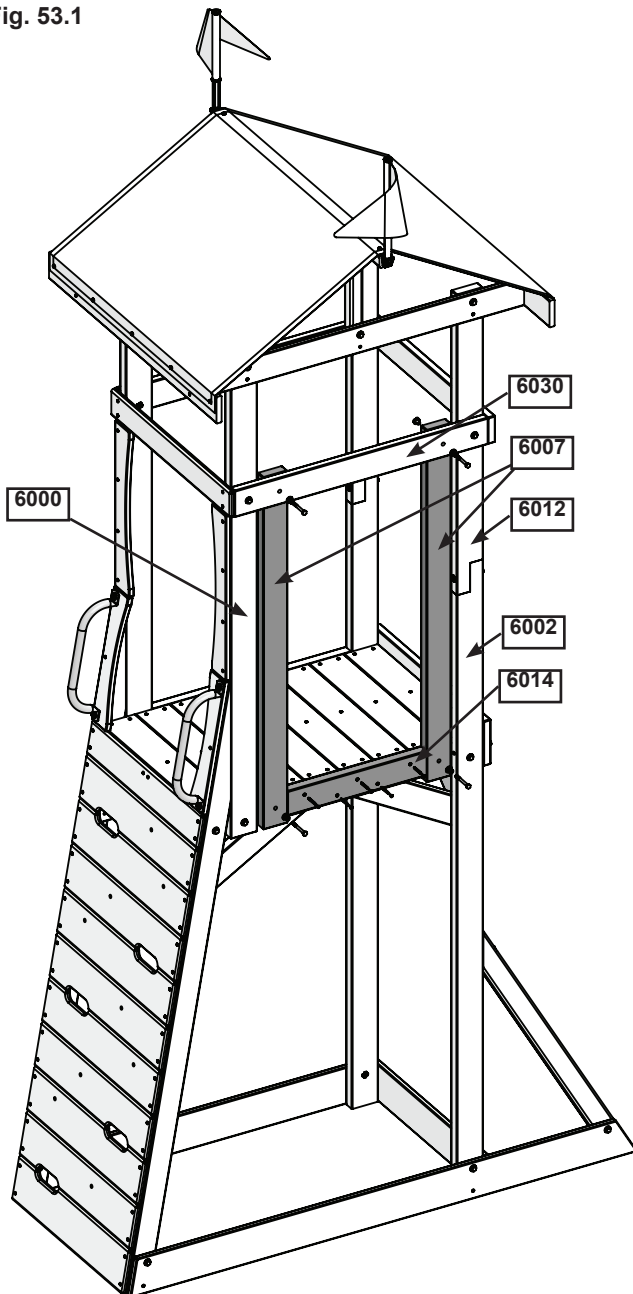
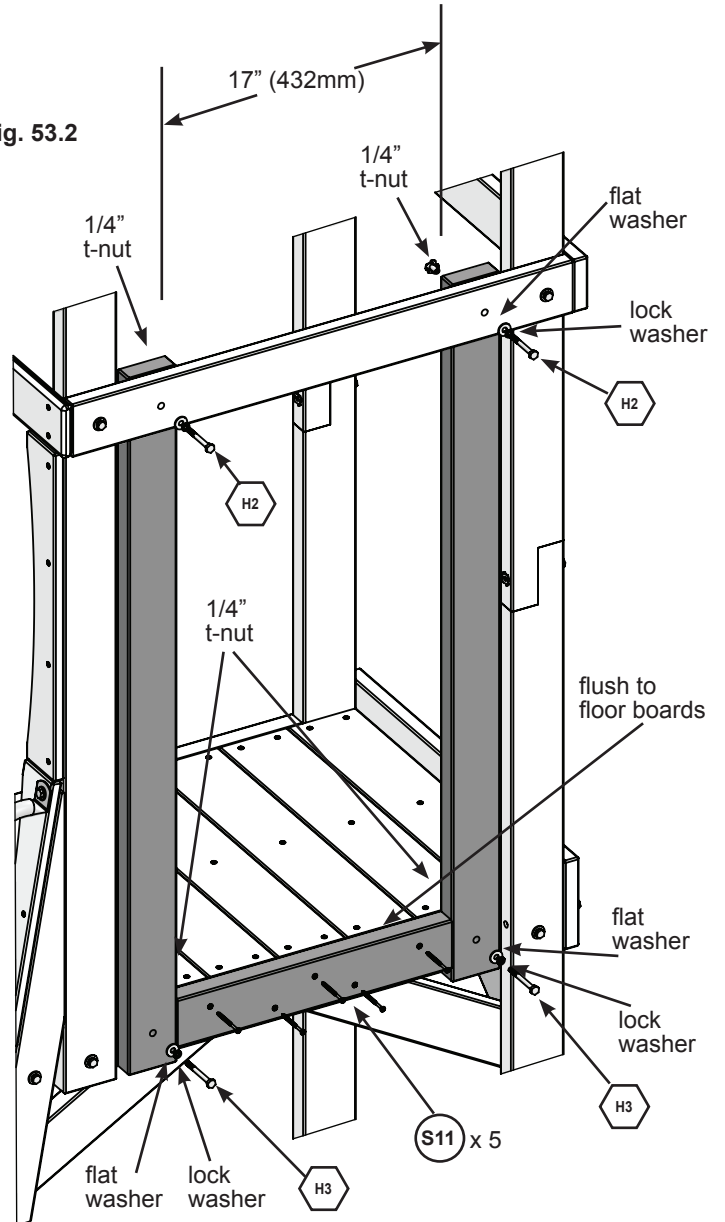


Fig. 53.2



## Wood Parts

- 2 x 6007 Wall Support 31.8 x 76.2 x 1095.4mm
- 1 x 6014 Tunnel Spacer 31.8 x 76.2 x 430.2mm

## Hardware

- 5 x S11 #8 x 2" Wood Screws
- 2 x H3 1/4 x 2-1/2" Hex Bolt (with flat washer, lock washer and t-nut)
- 2 x H2 1/4 x 2" Hex Bolts Hex Bolt (with flat washer, lock washer and t-nut)

## Step 54: Attach Rocks to Climbing Wall

**A:** Alternating colours and shapes, attach 1 rock to each rock board using 1 (PB2)  $\frac{1}{4}$  x 1- $\frac{1}{4}$ " Pan Bolt (with  $\frac{1}{4}$ " lock washer,  $\frac{3}{16}$ " flat washer and  $\frac{1}{4}$ " barrel nut) and 1 (S10) #8 x 1" Pan Screw per rock. (Fig. 54.1 & 54.2 & 54.3)

The Pan Screw is placed in the hole beneath the Pan Bolt.

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

Fig. 54.1

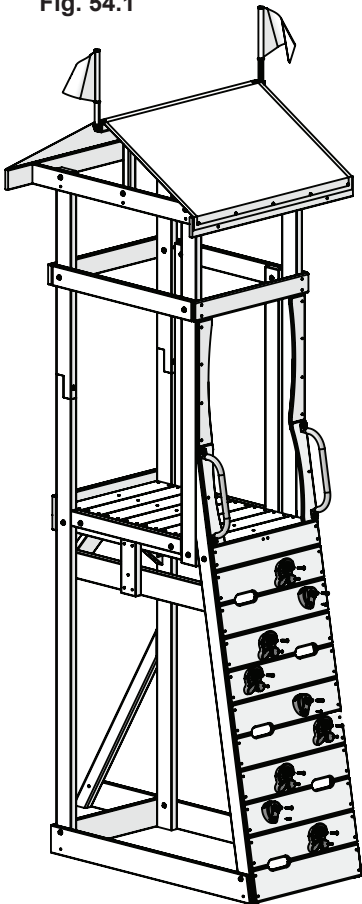


Fig. 54.2

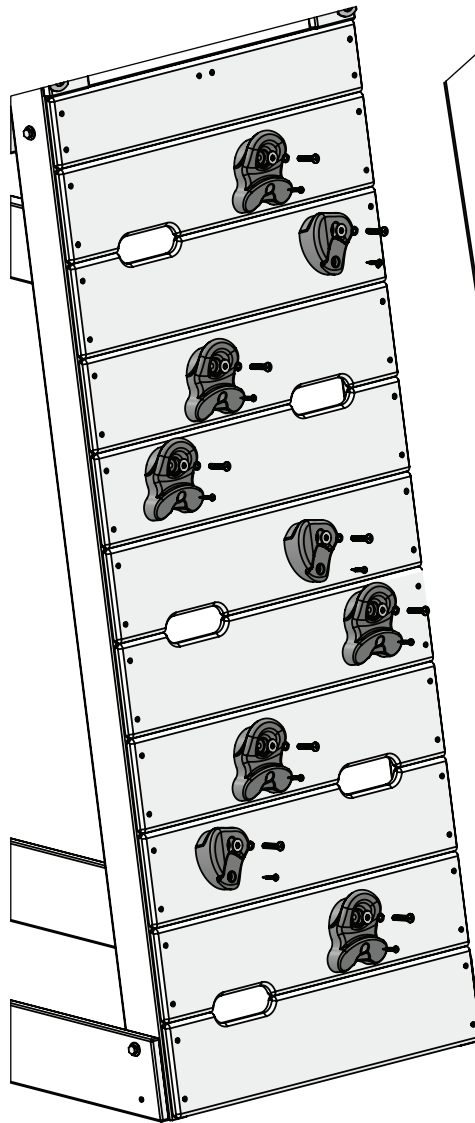
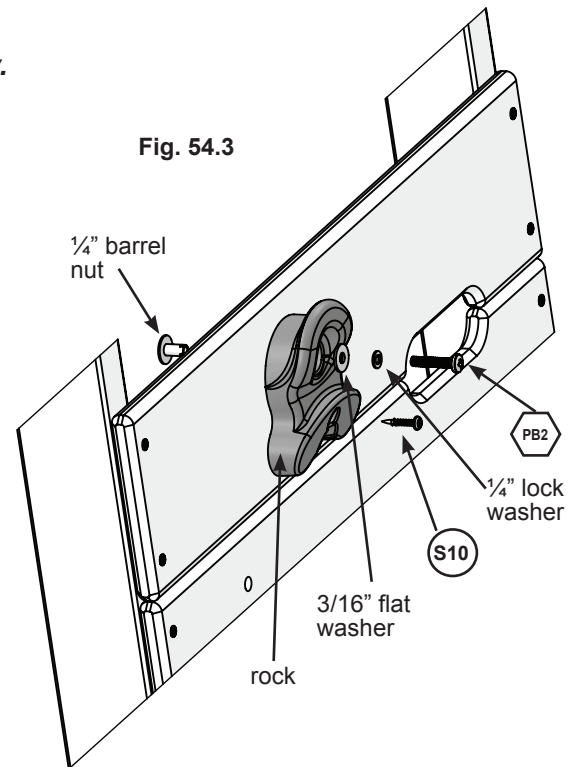


Fig. 54.3



### Hardware

9 x (S10) #8 x 1" Pan Screw

9 x (PB2)  $\frac{1}{4}$  x 1- $\frac{1}{4}$ " Pan Bolt (with  $\frac{1}{4}$ " lock washer,  $\frac{3}{16}$ " flat washer and  $\frac{1}{4}$ " barrel nut)

### Other Parts

9 x Rocks

# Step 55: Attach Telescope

**A:** On the Back Wall, center the Telescope and attach to (6028) Top Back with 2 (S20) #8 x 1-3/8" Wood Screws. (fig. 55.1 & 55.2)

**Move Assembly to final location.(fig. 55.3)**

Fig. 55.1

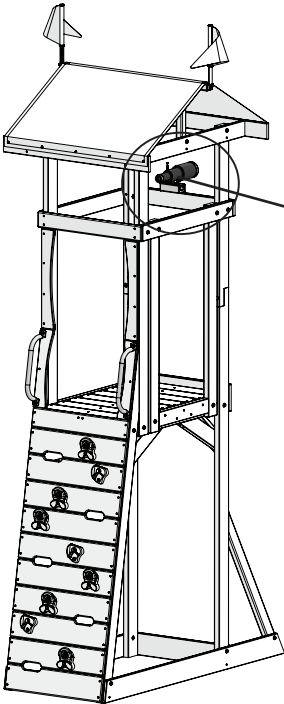


Fig. 55.2

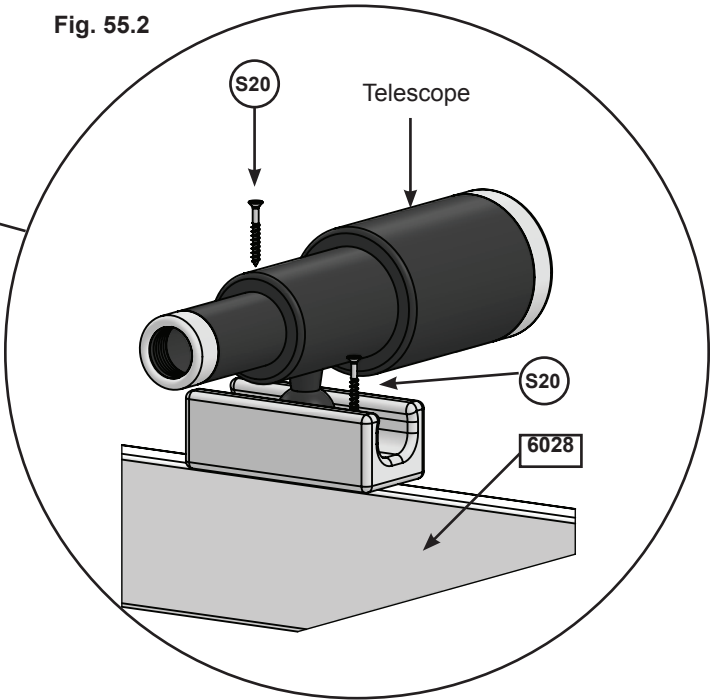
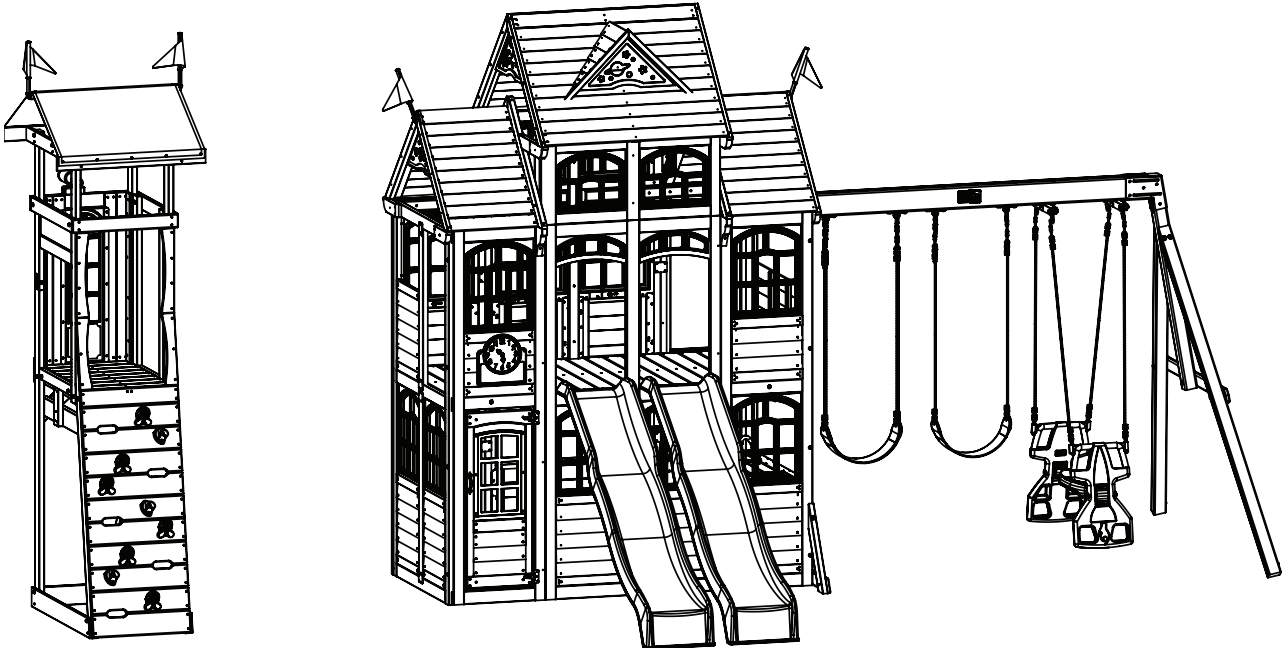



Fig. 55.3



approximately 67" apart with the openings lining up

## Hardware

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

## Other Parts

1 x Telescope w/ Mount

# 6' Tunnel & Tire Swing Assembly

## Step 56: Attach Swing Hangers to Tire Joist

**A:** Position 1 (6036) Tire Joist so that the counter sunk holes are at the top. Attach the Swing Hangers from underneath (2 flat washer and 1 lock nut per swing hanger) as shown in fig. 56.1 and 56.2.

Fig. 56.1

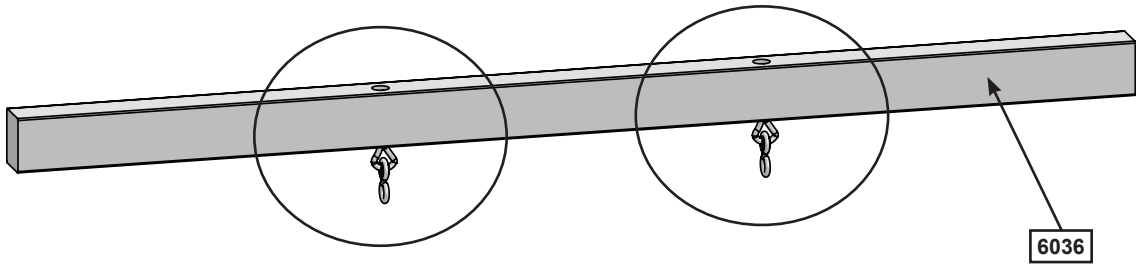
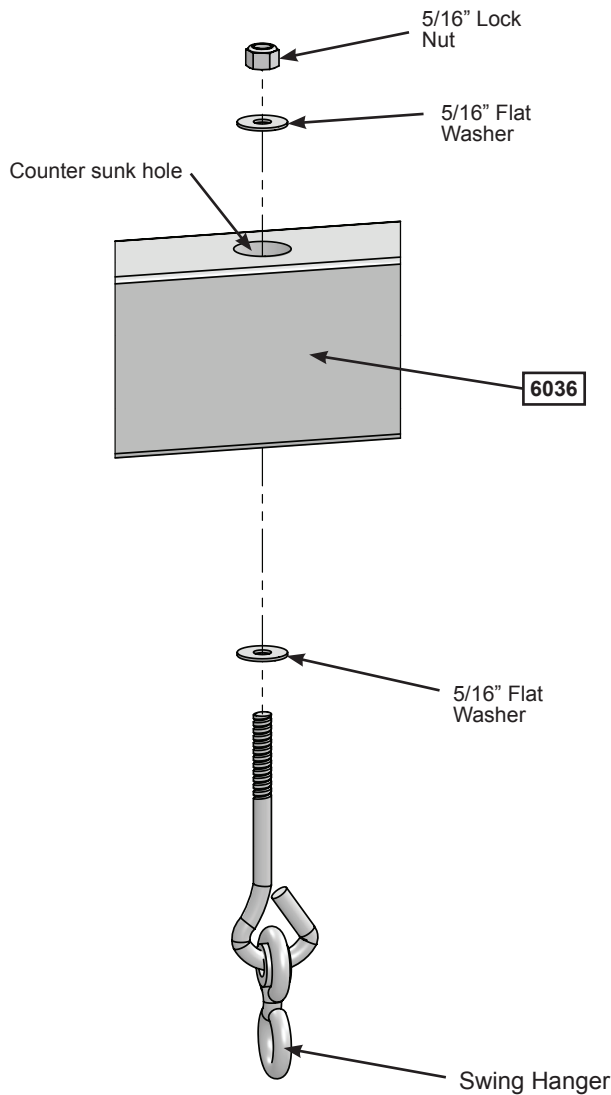


Fig. 56.2



**Wood Parts**

1 x 6036 Tire Joist 63.5 x 82.6 x 1700.2mm

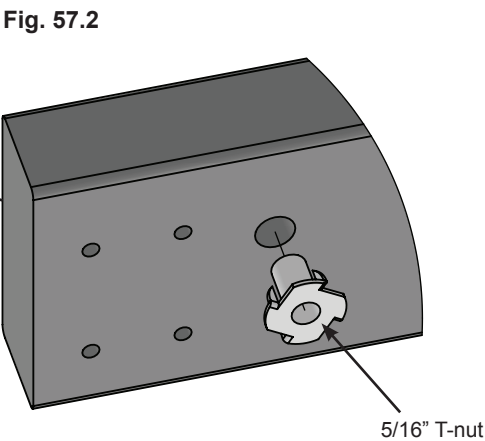
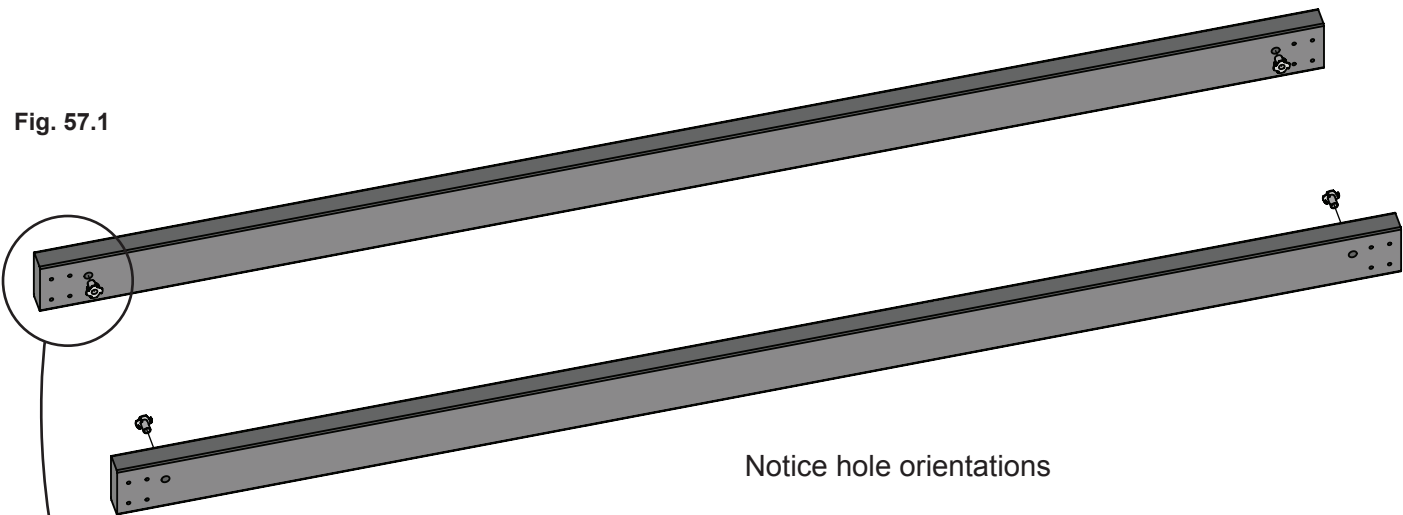
**Other Parts**

2 x Swing Hanger

# Step 57: Tunnel Frame Assembly

## Part 1

**A:** Place 2 (6035) Tunnel Side Joists side by side making sure that the pre-drilled holes for the t-nuts are at the top. Install 1 5/16" T-Nut on the inside of all 4 ends. (fig. 57.1 and 57.2)



**Wood Parts**

2 x 6035 Tunnel Side Joist 31.8 x 82.6 x 1770.1mm

**Hardware**

4 x 5/16" T-nut



## Step 57: Tunnel Frame Assembly Part 2

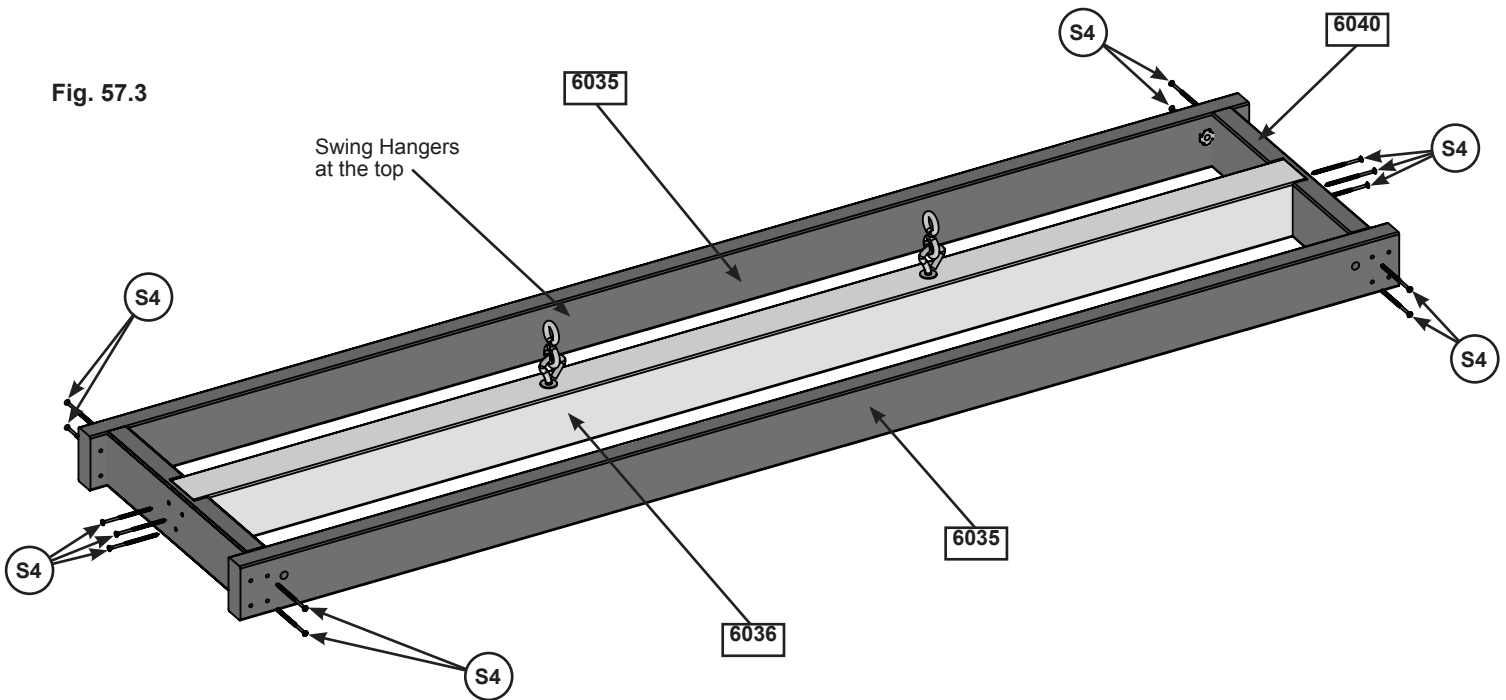


**B:** Place the (6036) Tire Joist in between the (6035) Tunnel Side Joists with Swing Hangers at the top. (fig. 57.3)

**C:** Place 1 (6040) Tunnel End at each end of the joists so that the (6036) Tire Joist fits into the cut outs (fig.57.3). Attach (6040) Tunnel Ends to (6036) Tire Joist using 3 (S4) #8 x 3" Wood Screws per end and then attach (6035) Tunnel Side Joists to (6040) Tunnel Ends with 4 (S4) #8 x 3" Wood Screws per side making sure to use the inside holes as shown in fig. 57.3.

**Make sure assembly is square before proceeding to the next step.**

Fig. 57.3



### Wood Parts

2 x 6040 Tunnel End 31.8 x 82.6 x 367mm

### Hardware

14 x S4 #8 x 3" Wood Screw

## Step 58: Attach Floor Boards

**A:** Flip the frame assembly so that it's right side up. (fig. 58.1)

**B:** Place 1 (9092) Floor Board at the end of the tunnel frame so it's flush with the ends and the sides of the (6035) Tunnel Side Joists and attach using 5 (S2) #8 x 1-1/2" Wood Screws. (fig. 58.1 and 58.2)

**C:** Place 1 (9087) Floor Board at the other end of the tunnel frame ensuring that it's flush with the ends and the sides of the (6035) Tunnel Side Joists and attach using 5 (S2) #8 x 1-1/2" Wood Screws. (fig. 58.1 and 58.2)

**D:** Evenly space the remaining (9092) Floor Boards and attach all boards using 5 (S2) #8 x 1-1/2" Wood Screws per board. (fig. 58.1 and 58.2)

Fig. 58.1

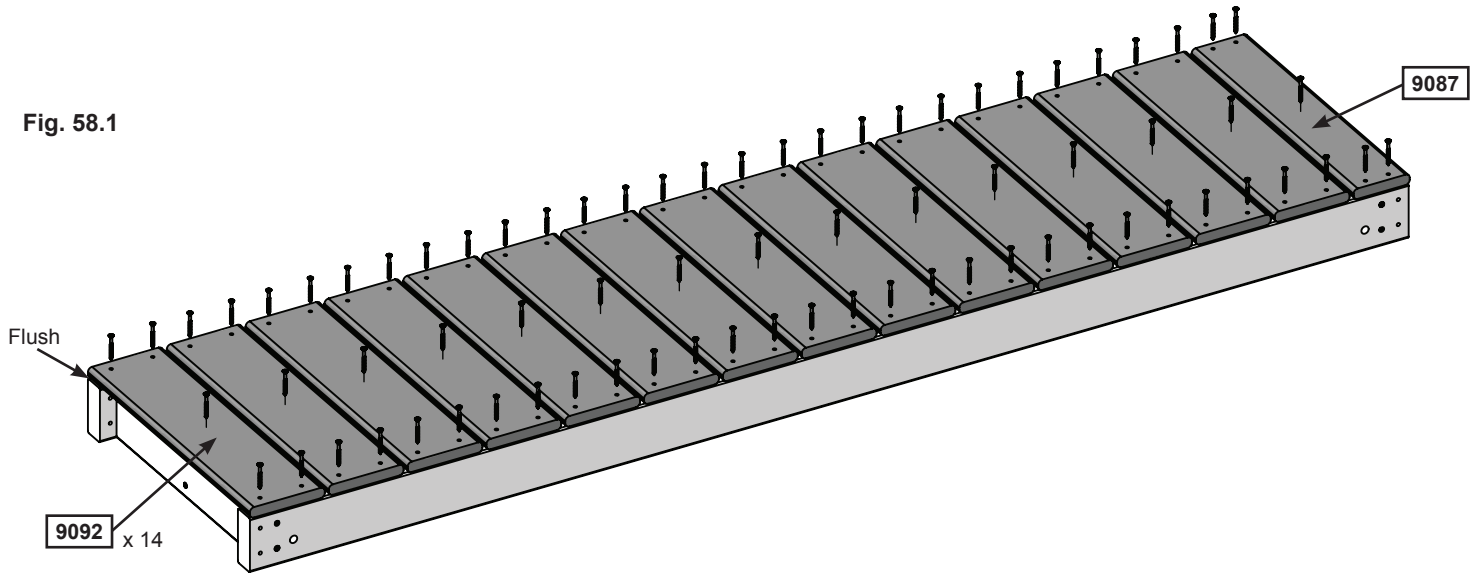
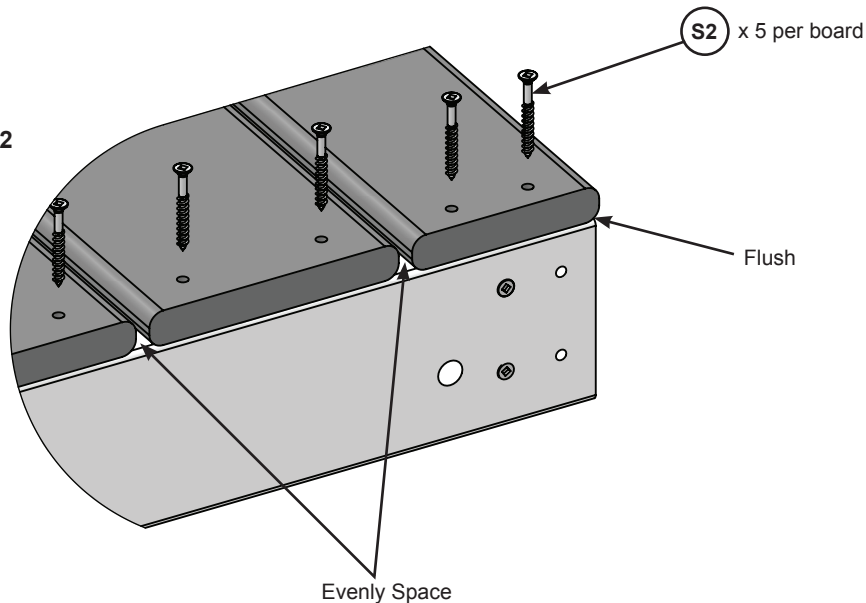


Fig. 58.2



### Wood Parts

14 x 9092 Floor Board 15.9 x 114.3 x 428.6mm

1 x 9087 Floor Board 15.9 x 85.7 x 428.6mm

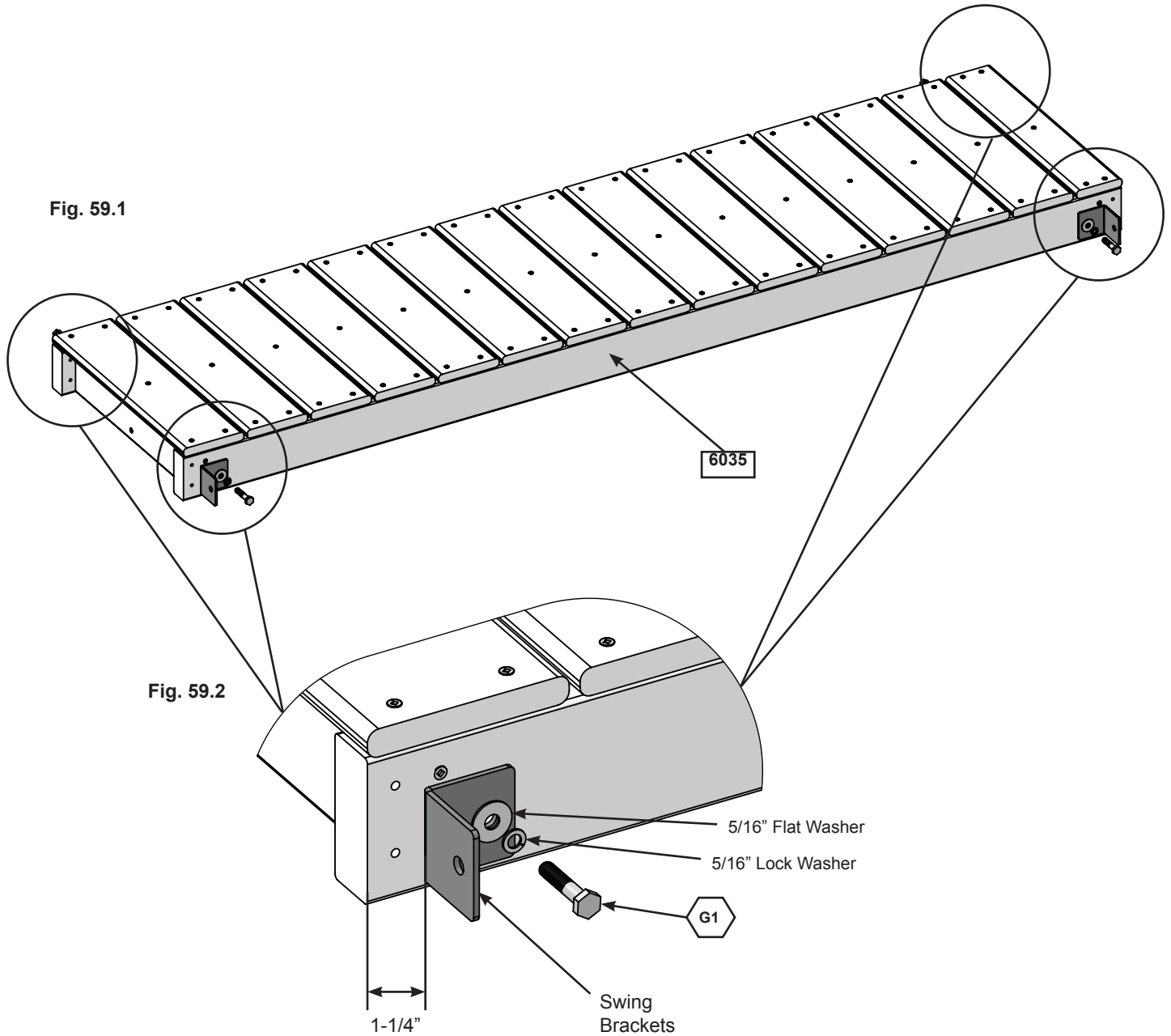
### Hardware


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

## Step 59: Install Swing Brackets



**A:** From outside the tunnel assembly, measure 1-1/4" in from each end of the (6035) Tunnel Side Joists and attach 4 Swing Brackets using 1 (G1) 5/16 x 1-1/2" Hex Bolt (with flat washer and lock washer) per bracket. (fig. 59.1 and 59.2)



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

**Other Parts**  
4 x Swing Bracket

# Step 60: Install Lower Tunnel Insert

**D:** From inside the fort place the (6039) Lower Tunnel Insert into the bottom of the opening in the tunnel entrance as shown in fig. (60.1 and 60.2). Attach to the Wall Supports with 4 (S0) #8 x 7/8" Truss Screws. (fig. 60.2 and 60.3)

Fig. 60.1  
Outside View

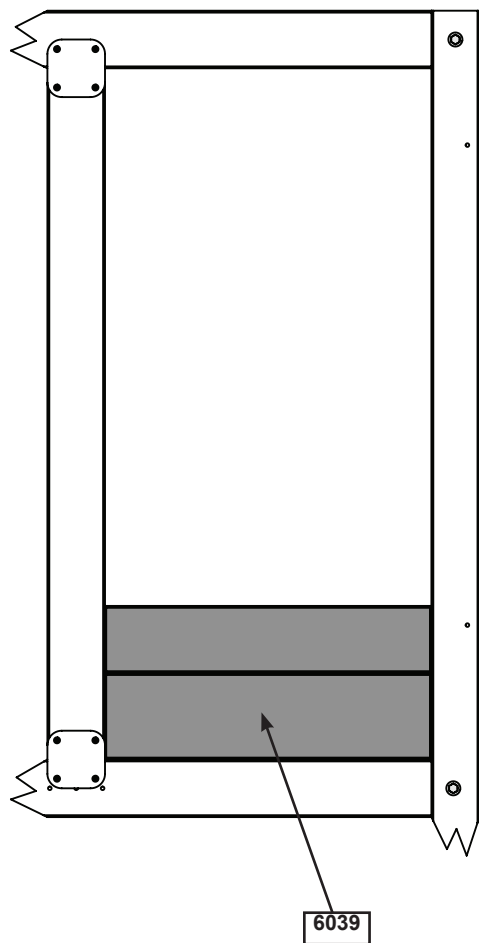


Fig. 60.2  
Inside View

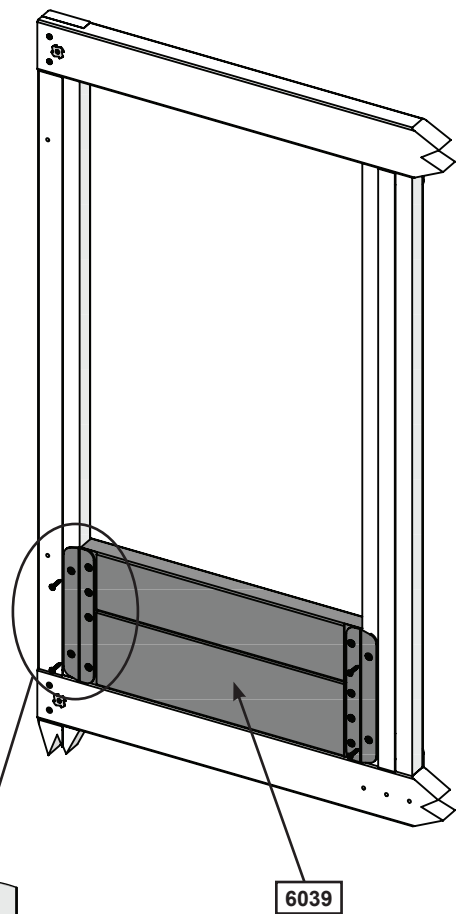
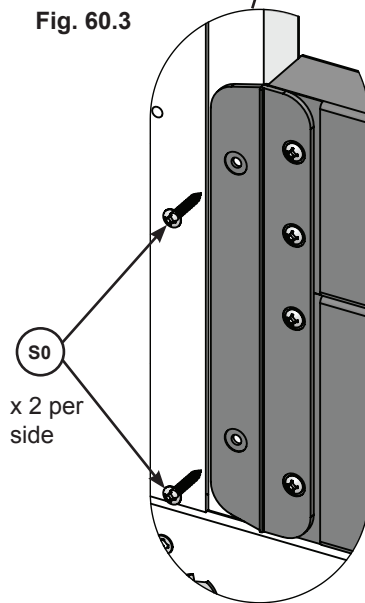


Fig. 60.3



## Wood Parts

1 x 6039 Lower Tunnel Insert 32.3 x 203.2 x 477.5mm

## Hardware

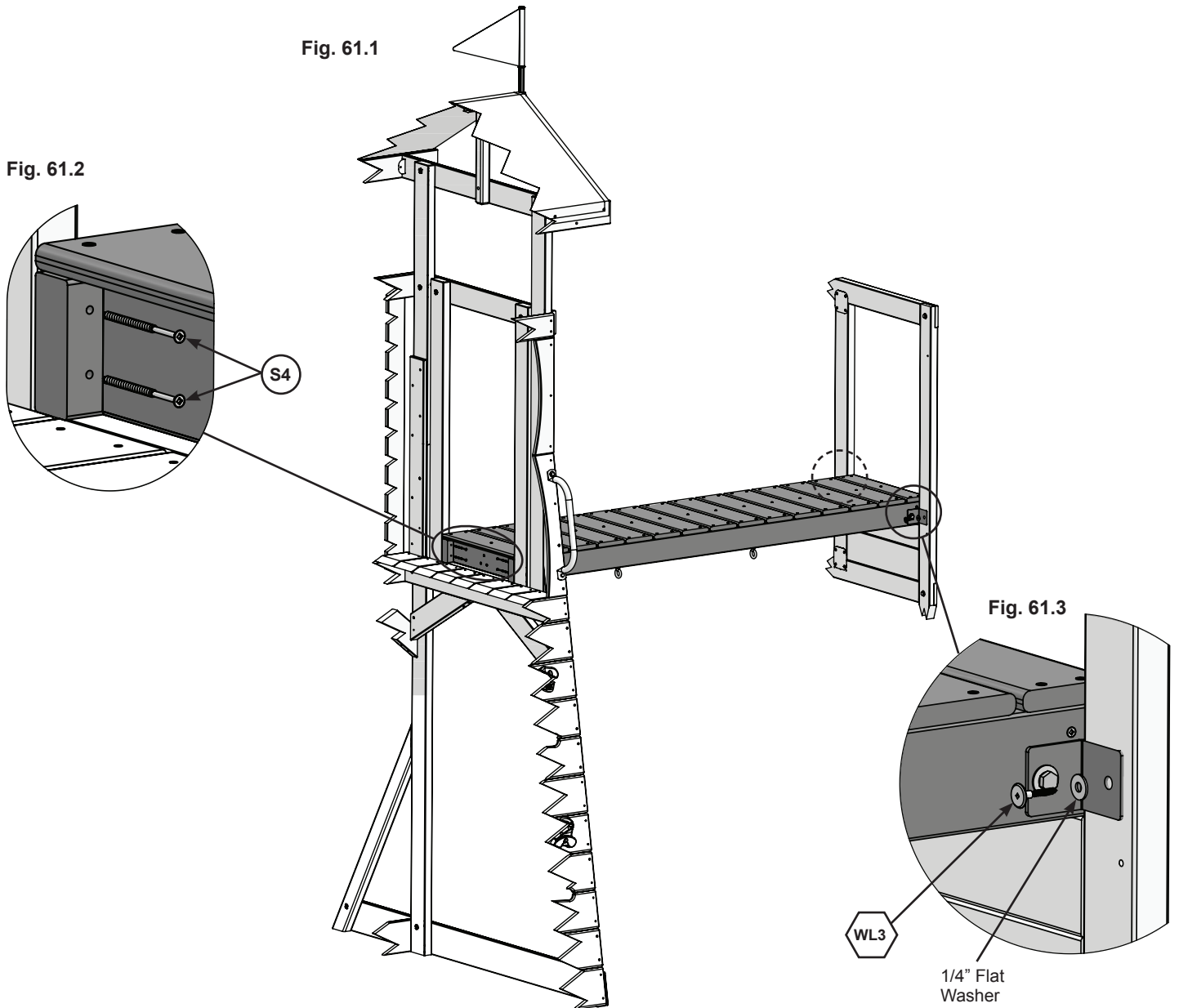
4 x S0 #8 x 7/8" Truss Screw

# Step 61: Attach Tunnel Assembly Frame to Fort Part 1




## Note: Move Adventure Tower to final location

- A:** With a helper, lift the tunnel assembly frame so that it fits between the Adventure Tower and the Fort as shown in fig. 61.1.
- B:** From inside the Adventure Tower attach the (6035) Tunnel Side Joists to the Wall Supports using 4 (S4) #8 x 3" Wood Screws. (fig. 61.1 and 61.2)
- C:** Repeat Step B for the fort side.
- D:** From outside the assembly pre drill 1/8" holes and attach the Swing Brackets to the Tower and Fort frames using 1 (WL3) 1/4 x 1-3/8" Wafer Lag (with flat washer) per bracket. (fig. 61.1 and 61.3)



### Hardware

8 x  8 x 3" Wood Screw

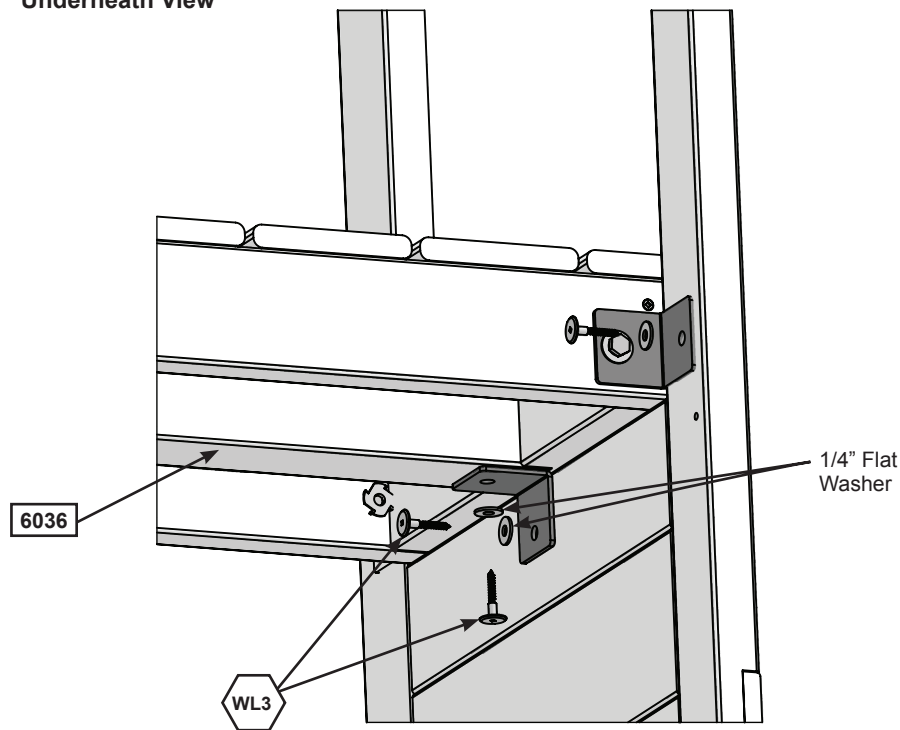
4 x  1/4 x 1-3/8" Wafer Lag (1/4" flat washer)


## Step 61: Attach Tunnel Assembly Frame to Fort Part 2



**E:** From underneath the tunnel place 1 Swing Bracket on each end of the (6036) Tire Joist. Pre-drill holes using a 1/8" drill bit and connect to the structures using 2 (WL3) 1/4 x 1-3/8" Wafer Lags (with flat washers) per side. (fig. 61.4)

**Fig. 61.4**  
**Underneath View**



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

**Other Parts**  
2 x Swing Bracket

## Step 62: Install Upper Tunnel Insert



**A:** From inside the Adventure Tower measure 1-5/8" down from the top of the Wall Support as shown in fig. 46.2 and place the (6038) Upper Tunnel Insert into the opening. Attach to the Wall Supports using 4 (S0) #8 x 7/8" Truss Screws. (fig. 62.1 and 62.2)

Fig. 62.1

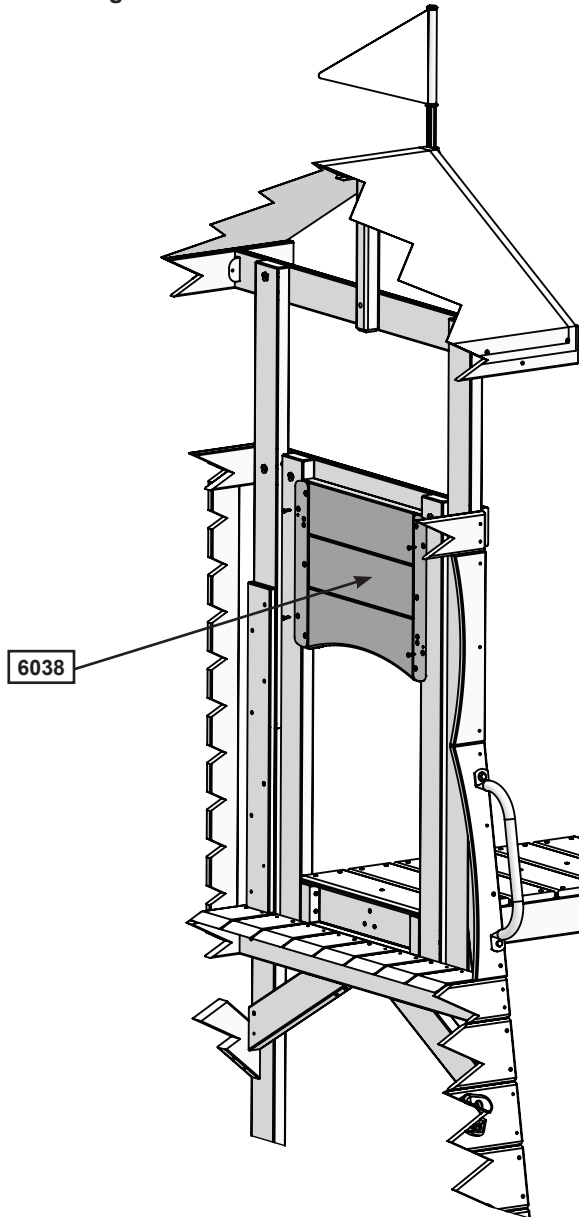
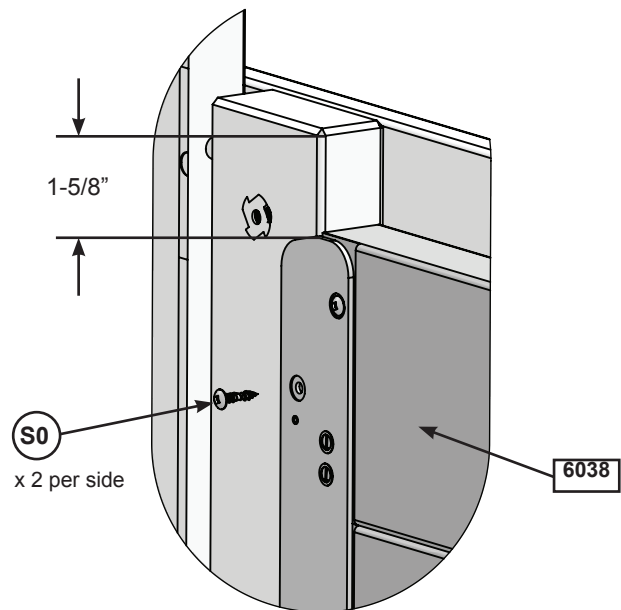



Fig. 62.2



### Wood Parts

1 x  Upper Tunnel Insert 32.3 x 362 x 477.4mm

### Hardware

4 x  #8 x 7/8" Truss Screw



## Step 63: Build Tunnel Assembly Part 1

**A:** Bend all 8 MOD Tunnel Panels as shown in fig. 63.1.

**B:** Match 2 MOD Tunnel Panels together by making a slight “V” with the pieces so the peak of the “V” faces away from you. Make sure connector tabs are coupled then straighten the 2 panels. Push down on one panel and up on the other until you hear the connector tabs click together and the bottom edges are flush. You may have to knock panels on a hard surface to align properly. Do this so there are 4 MOD Tunnel Panels attached together. (fig. 63.2)

**C:** Press nodules through the connector tab holes to hold Tunnel Panels in place. (fig. 63.2 and 63.3)

**D:** Repeat Steps B-C to create two Tunnel Sides.

Fig. 63.1

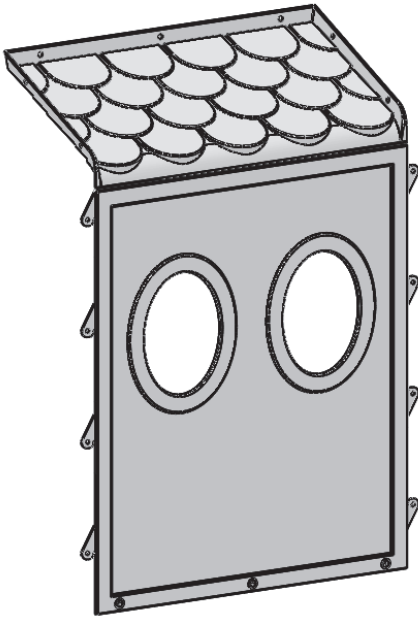


Fig. 63.2

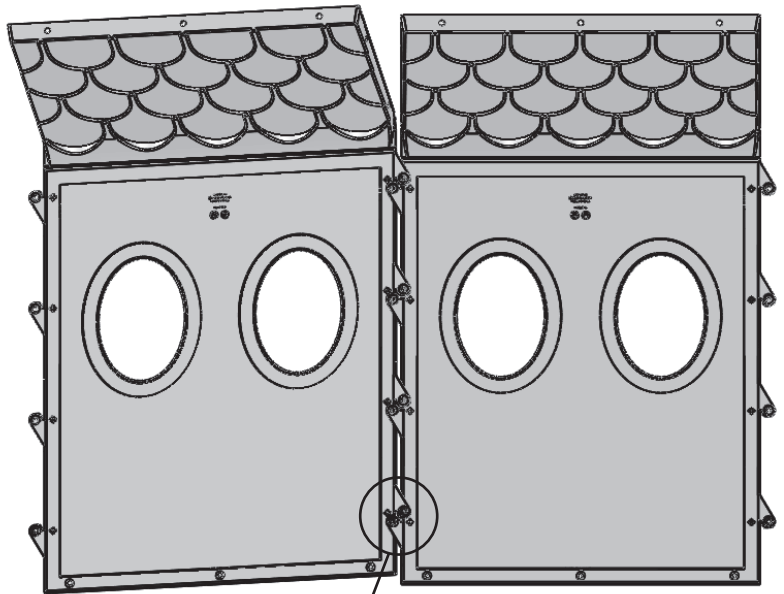
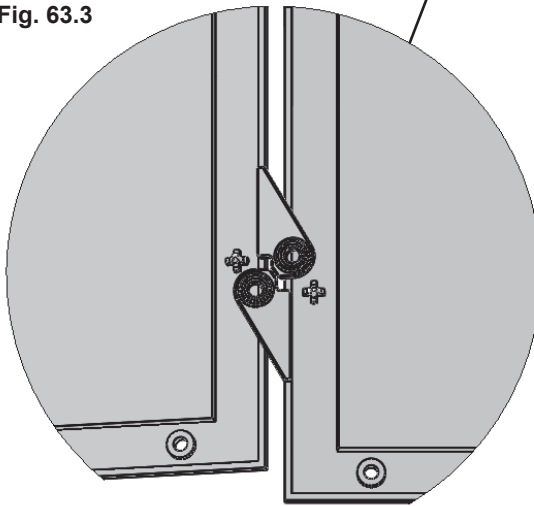


Fig. 63.3



### Other Parts

8 x MOD Tunnel Panel

## Step 63: Build Tunnel Assembly Part 2



**E:** Attach the tops of each Tunnel Side together using 2 (MB1) #12 x 1/2" Pan Bolts (with #12 Lock Nut) per side. (fig. 63.4 and 63.5)

Fig. 63.4

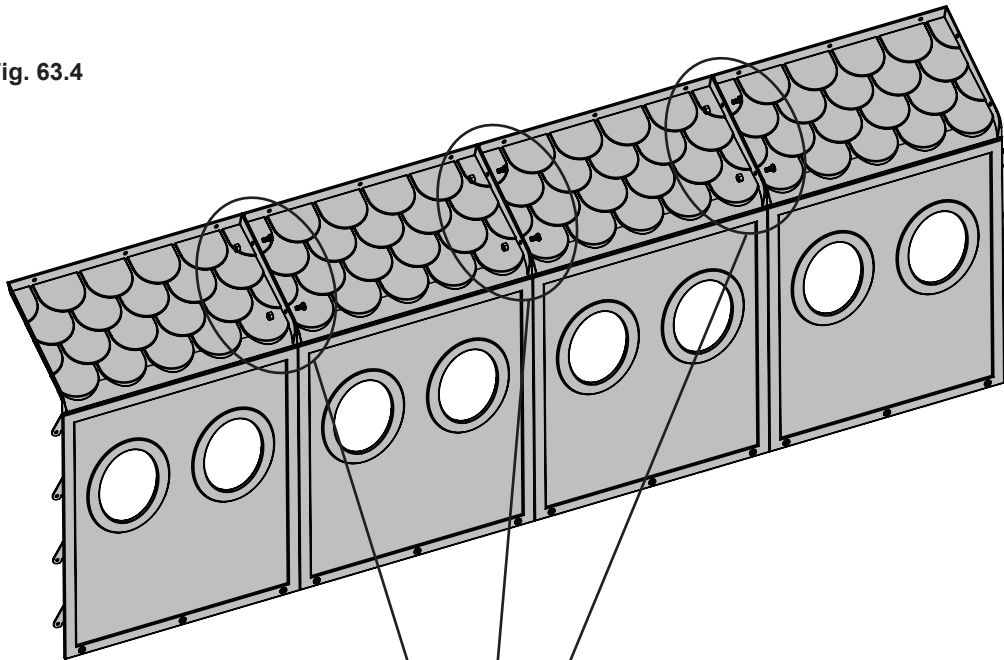
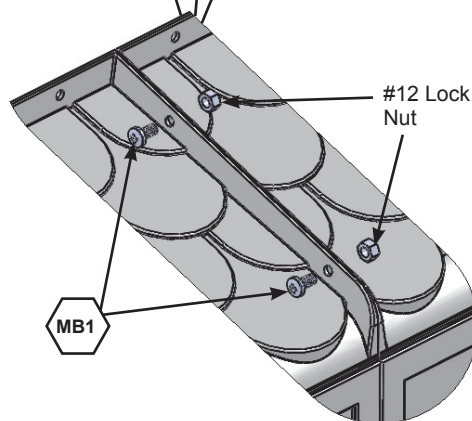


Fig. 63.5



### Hardware

12 x  #12 x 1/2" Pan Bolt (with #12 lock nut)

## Step 63: Build Tunnel Assembly Part 3



**F:** Join the 2 Tunnel Sides together so the tops are tight together and attach with 12 (MB1) #12 x 1/2" Pan Bolts (with #12 Lock Nut). (fig. 63.6 and 63.7)

Fig. 63.6

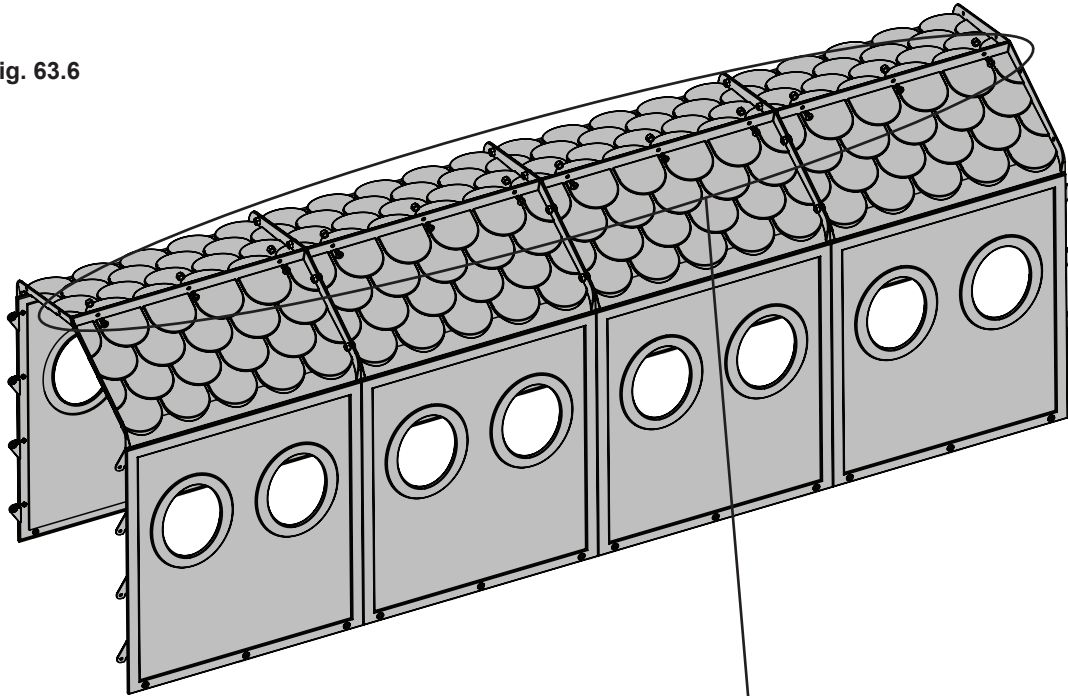
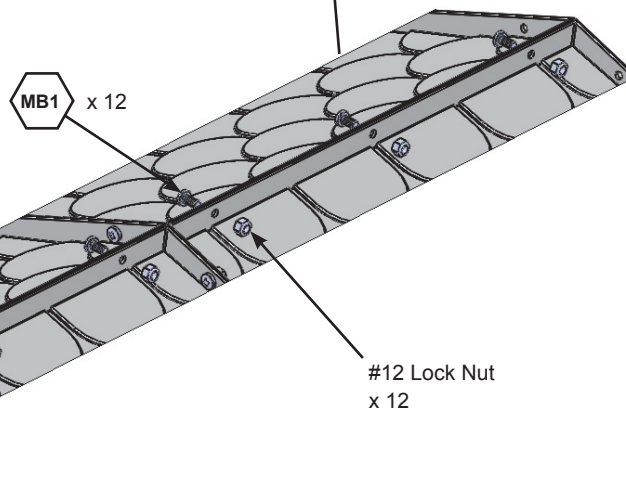


Fig. 63.7



### Hardware

12 x  #12 x 1/2" Pan Bolt (with #12 lock nut)

## Step 64: Attach MOD Tunnel Part 1



**A:** With a helper, place the MOD Tunnel Assembly into place so that the bottom edge rests on the swing brackets and attach to the (6035) Tunnel Side Joists using 24 (S10) #8 x 1" Pan Screws. (fig. 64.1, 64.2 and 64.3)

Fig. 64.1

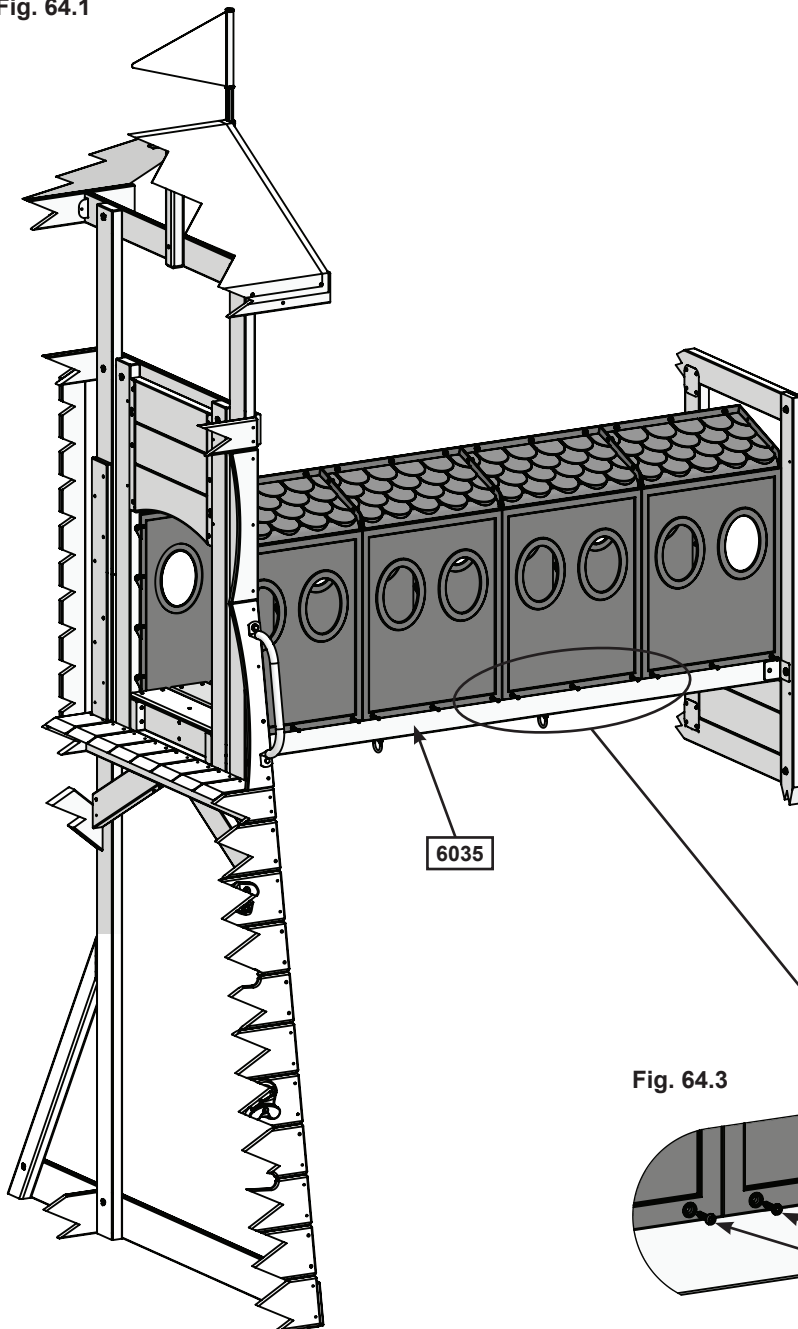


Fig. 64.2  
Side View

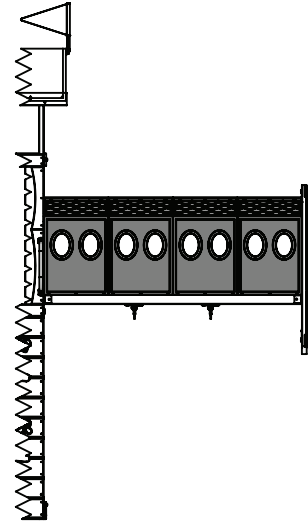
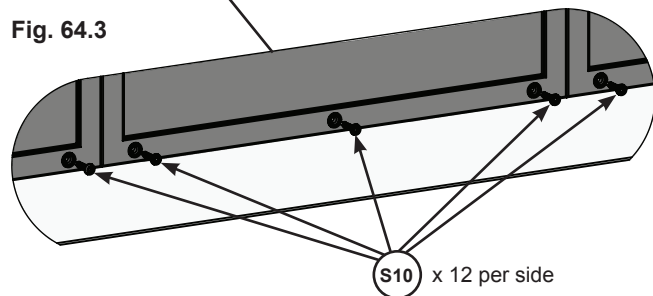



Fig. 64.3



### Hardware

24 x  #8 x 1" Pan Screw

## Step 64: Attach MOD Tunnel Part 2

**B:** From inside the fort attach 1 (6037) Tunnel Top to the Wall Support using 2 Flat Panel Brackets and 8 (S0) #8 x 7/8" Truss Screws. (fig. 64.4 and 64.5)

Fig. 64.4

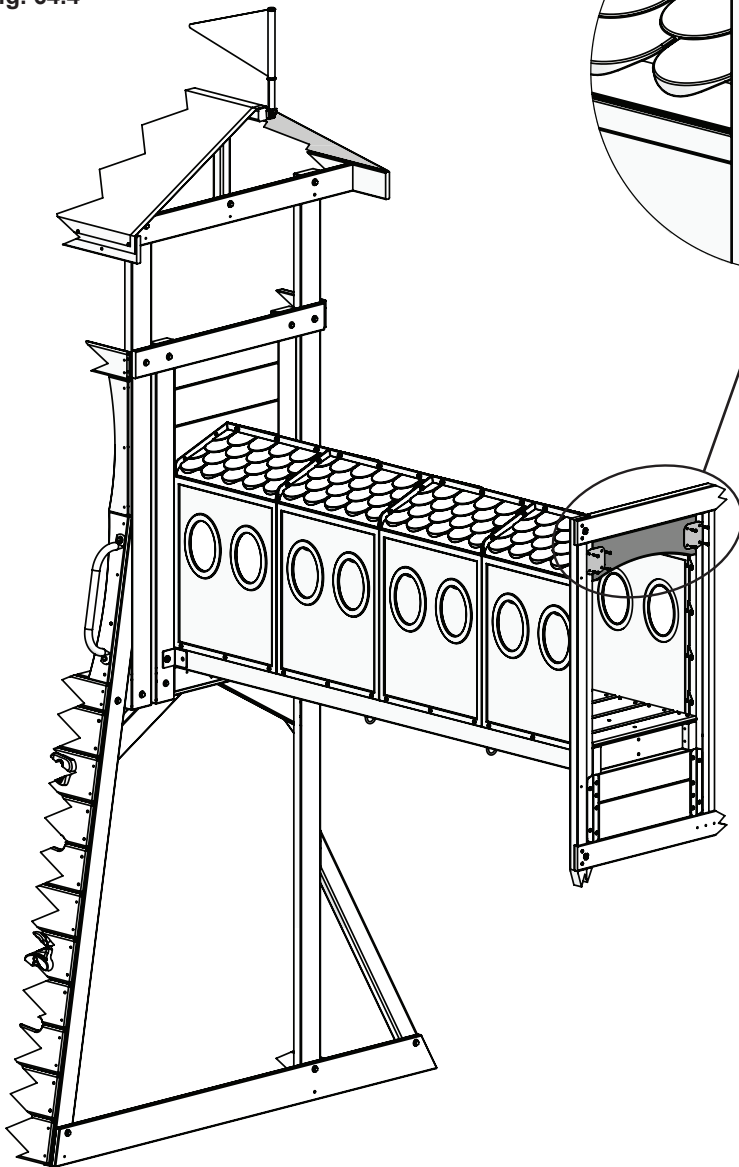
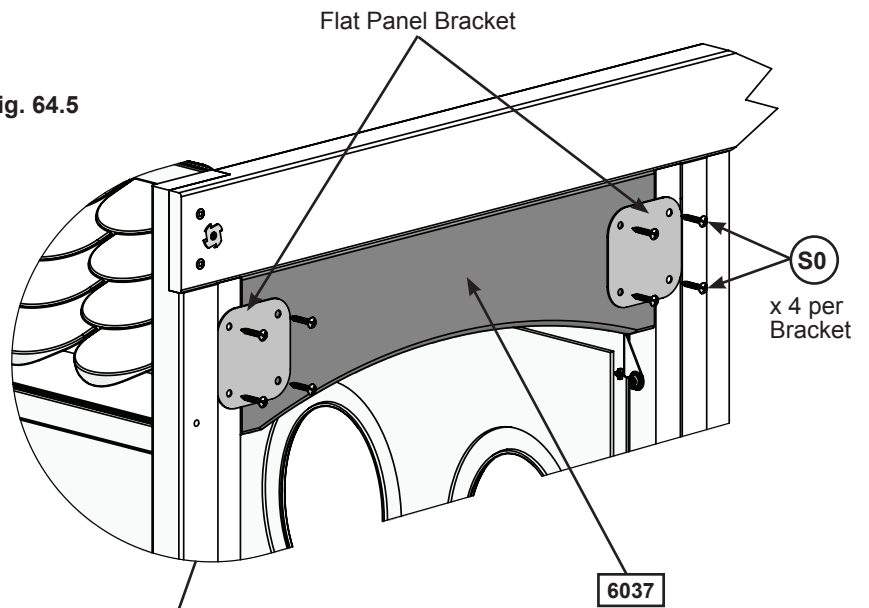


Fig. 64.5



### Wood Parts

1 x  Tunnel Top 29.8 x 120.7 x 428.6mm

### Hardware

8 x  #8 x 7/8" Truss Screw

### Other Parts

2 x Flat Panel Bracket

## Step 65: Secure Tunnel to Entrances

**A:** Make sure tunnel is tight to both entrances. From inside the tower and the fort attach the tunnel with 8 (S10) #8 x 1" Pan Screws per side. (fig. 65.1 and 65.2)

**B:** From outside the assembly attach Tunnel to the (6037) Tunnel Top on one side and to the (6038) Upper Tunnel Insert on the other using 4 (S0) #8 x 7/8" Truss Screws per side. (fig. 65.1& 65.3 and 65.4)

Fig. 65.2

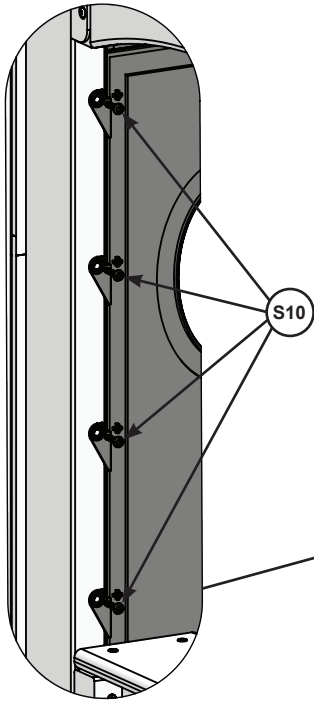


Fig. 65.1

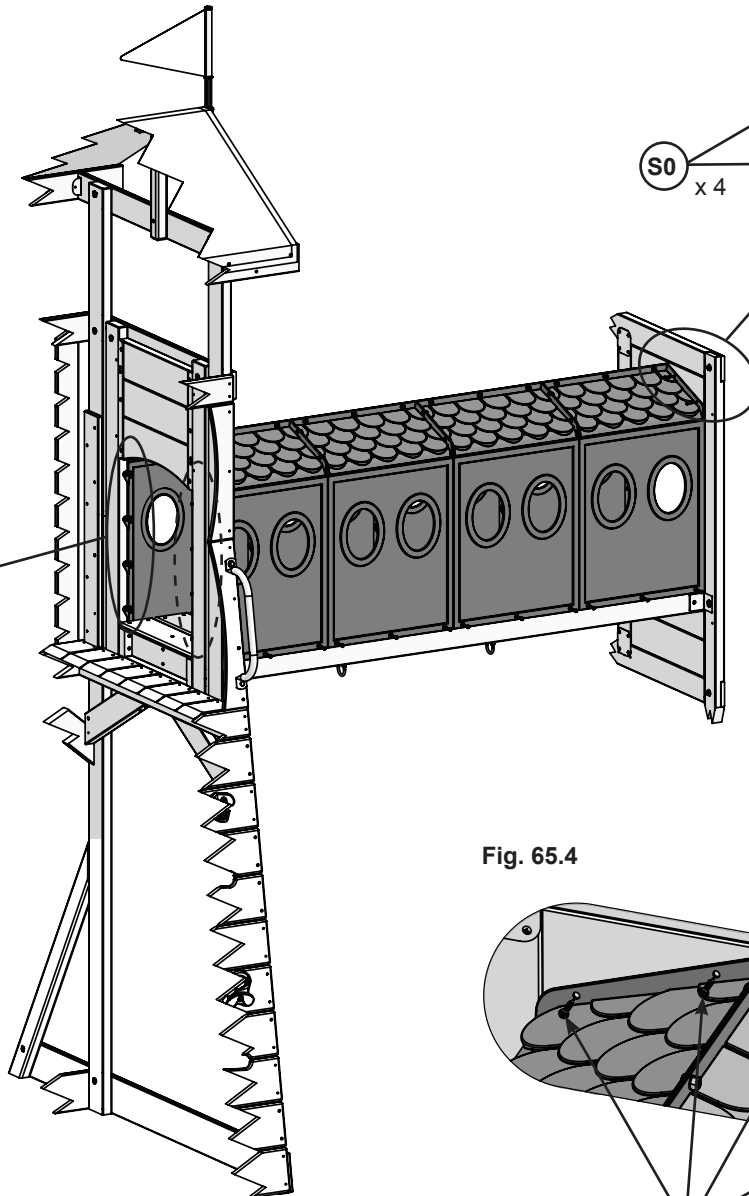


Fig. 65.3

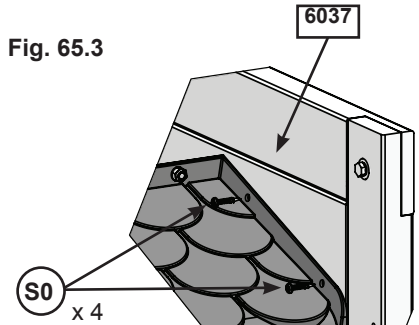
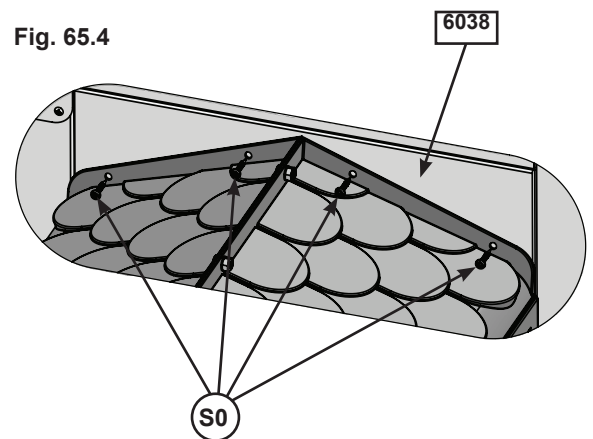




Fig. 65.4



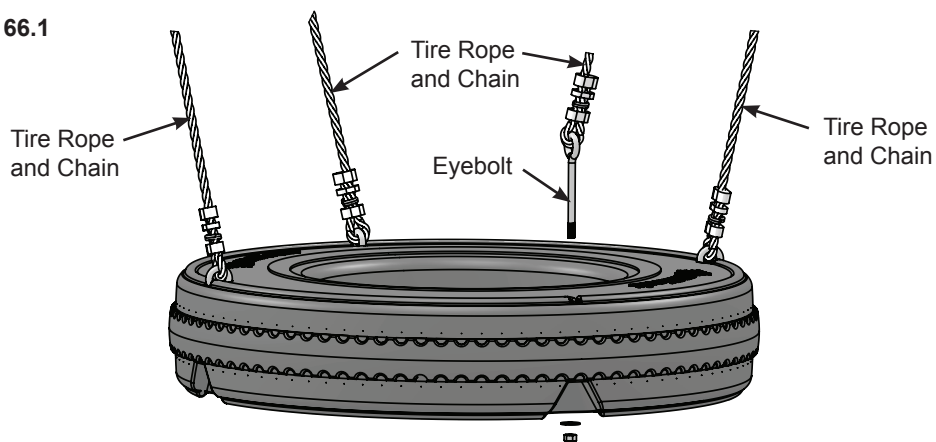
### Hardware

- 16 x  #8 x 1" Pan Screw  
8 x  #8 x 7/8" Truss Screw

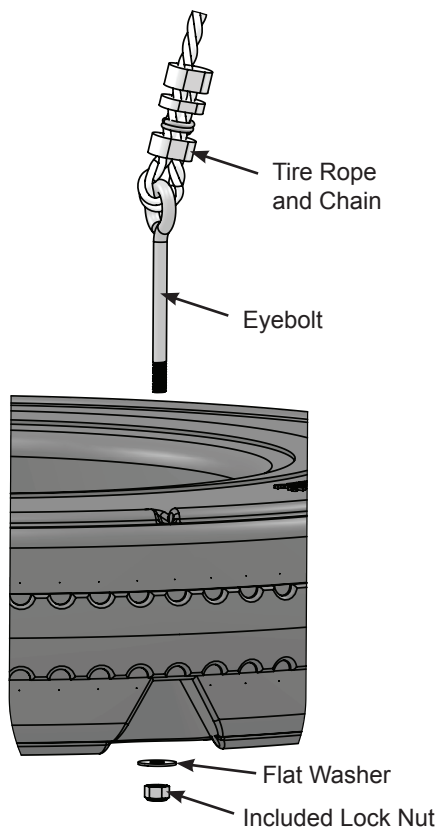
## Step 66: Attach Tire Swing Part 1

**A:** Insert the eyebolts on the Tire Rope and Chains into the tire as shown in fig. 66.1. Attach using 1 flat washer and 1 lock nut per eyebolt. (fig. 66.1 and 66.2)

**Fig. 66.1**



**Fig. 66.2**



**Other Parts**  
4 x Tire Rope and Chain



## Step 66: Attach Tire Swing Part 2

**B:** Attach Tire Rope and Chain to the swing hangers as shown in fig. 66.3, 66.4 and 66.5.

Fig. 66.3

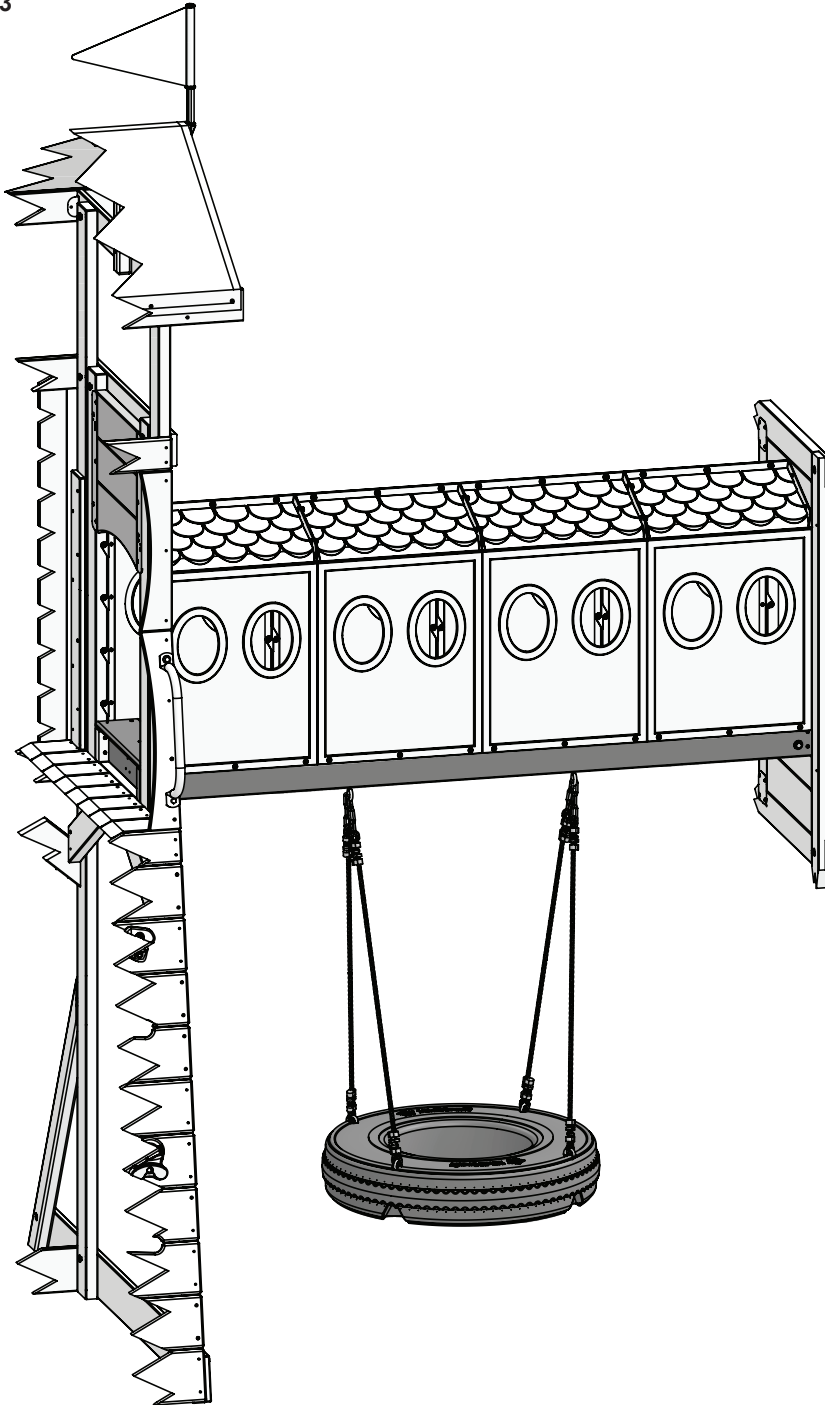


Fig. 66.4

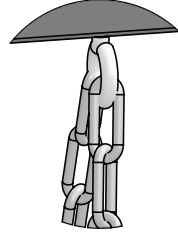
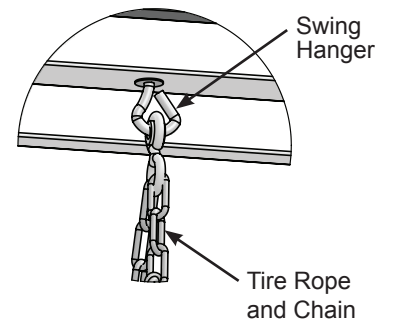


Fig. 66.5



## Step 67: Install Ground Stakes



**A:** In the 4 places shown in (fig. 67.2) drive the Rebar Ground Stakes 13" (330mm) into the ground against the boards. Be careful not to hit the washer while hammering stakes into the ground as this could cause the washer to break off.

**B:** Attach 1 ground stake to each (6026) Rock Rail, the (6002) Long Post and to (0369) Lower Diagonal using 1 (S7) #12 x 2" Pan Screw per ground stake as shown in (fig. 67.1 & 67.2)

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

**⚠ Warning!** To prevent tipping and avoid potential injury, stakes must be driven 13" (330mm) into ground. Digging or driving stakes can be dangerous if you do not check first for under-ground wiring, cables or gas lines.

Fig. 67.1

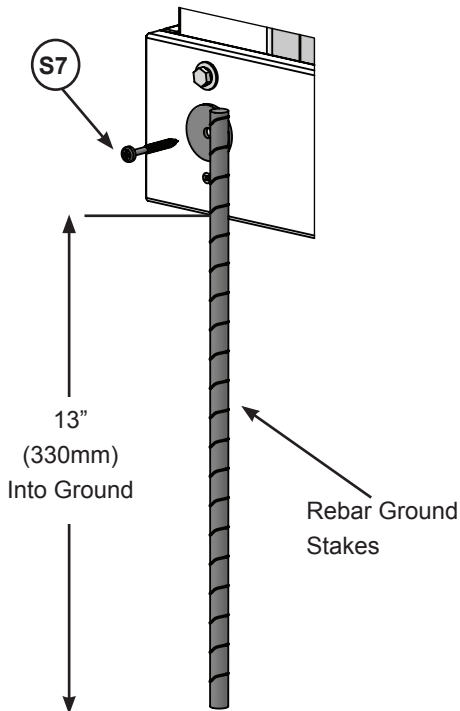
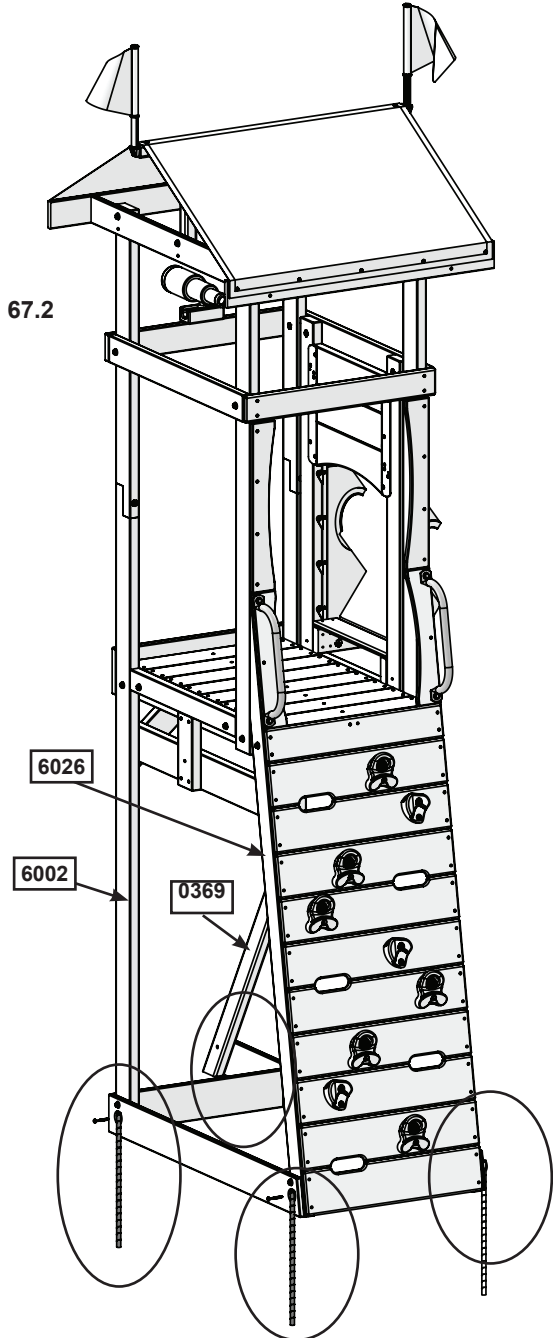


Fig. 67.2



### Hardware

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

### Other Parts

4 x Rebar Ground Stake

# Adventure Tower Assembly

## Step 68: Sand and Water Table Assembly

### Part 1

**A:** Place 2 (6015) Box Legs so that the cut outs are on the outside and at the bottom. Place 1 (6004) Box Bottom across the top of the boards making sure that all top holes line up. Attach with 4 (H2) ¼ x 2” Hex Bolts (with flat washer, lock washer and t-nut) making sure that the t-nuts are installed into the Box Bottom. (Fig.68.1 & 68.2)

**B:** Fit 1 (6011) Box Side into the cut outs on each (6015) Box Leg and attach with 1 (H12) ¼ x 3” Hex Bolt (with flat washer, lock washer and t-nut) per side. (Fig.68.1 & 68.2).

**C:** From inside the frame place 1 (8832) Box End so that it’s pressed up flush to both (6015) Box Legs with the pre-sunk holes at the bottom and towards the outside (Fig.68.3). Attach with 2 (H1) ¼ x 1-1/2” Hex Bolts (with flat washer, lock washer and t-nut), 2 (S15) #8 x 1-3/4” Wood Screws and 2 (S4) #8 x 3” Wood Screws as shown in (Fig.68.1 & 68.2).

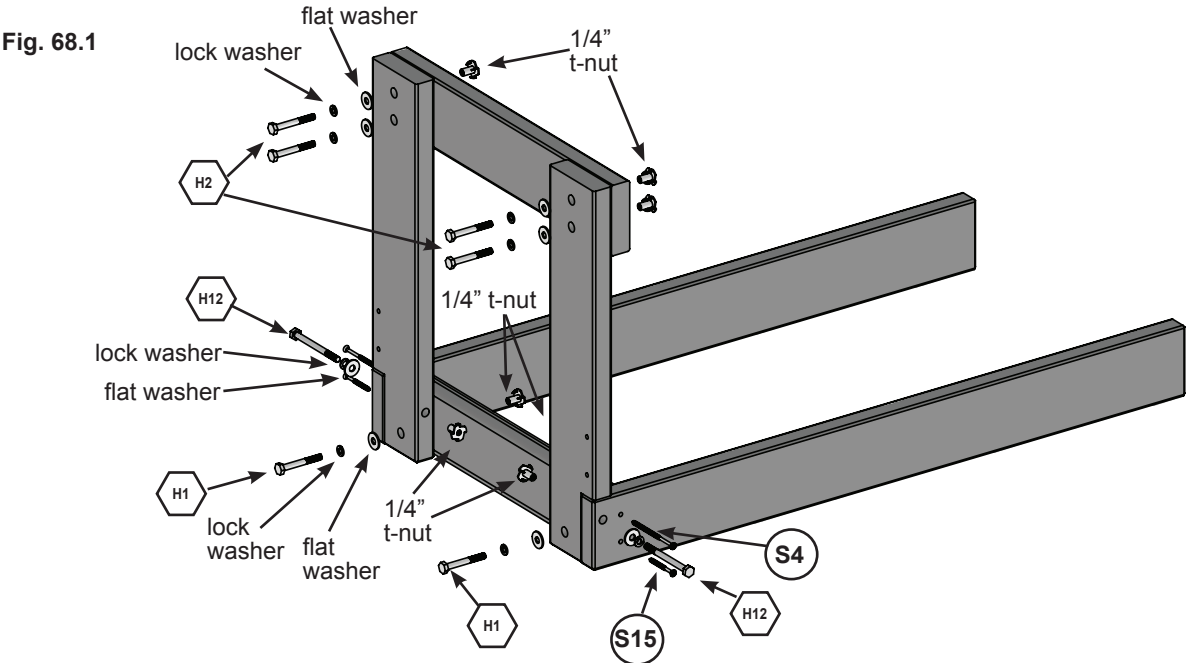
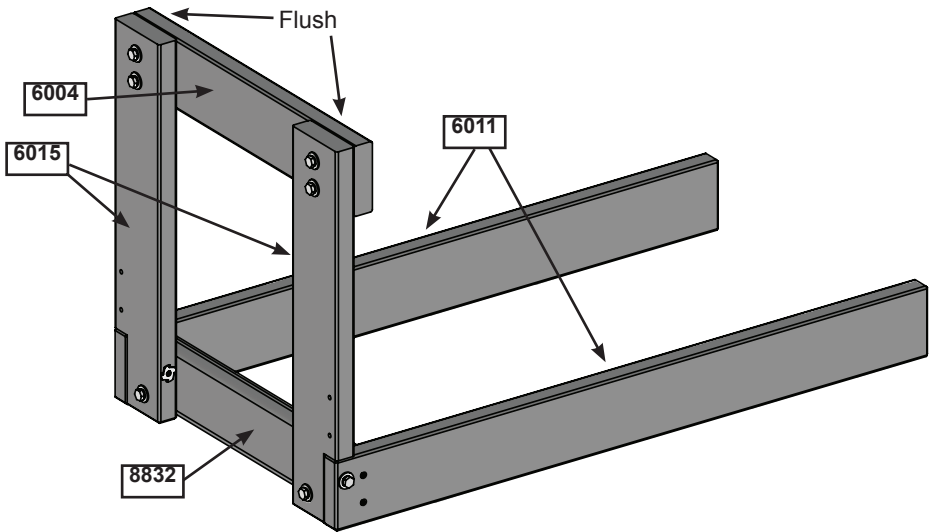


Fig. 68.2



#### Wood Parts

- 1 x 6004 Box Bottom 23.8 x 82.6 x 409.6mm
- 2 x 6015 Box Leg 23.8 x 82.6 x 444.5mm
- 2 x 6011 Box Side 23.8 x 82.6 x 768.4mm
- 1 x 8832 Box End 23.8 x 82.6 x 362mm

#### Hardware

- 2 x S4 #8 x 3” Wood Screw
- 2 x S15 #8 x 1-3/4” Wood Screw
- 2 x H12 ¼ x 3” Hex Bolt (with flat washer, lock washer and t-nut)
- 2 x H1 ¼ x 1-1/2” Hex Bolts (with flat washer, lock washer and t-nut)
- 4 x H2 ¼ x 2” Hex Bolts (with flat washer, lock washer and t-nut)

## Step 68: Sand and Water Table Assembly Part 2

**D:** Place 1 (6027) Sand Water Support against the opposite ends of the (6011) Box Sides so that the inside pre-drilled holes line up. Attach using 4 (S4) #8 x 3" Wood Screws. (Fig.68.3 & 68.4)

**E:** Install 1 (6001) Gusset per side so that the short angle is flush to the (6015) Box Legs and the long angles are flush to the (6011) Box Sides. Attach using 1 (S15) #8 x 1-3/4" Wood Screw and 1 (S4) 8 x 3" Wood Screw per side. (Fig.68.3 & 68.4)

Fig. 68.3

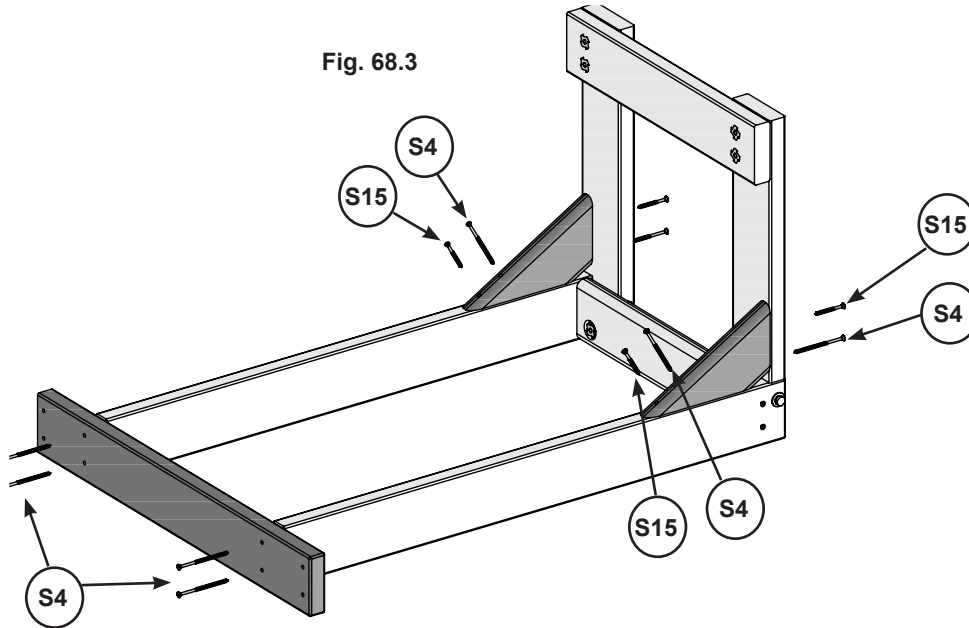
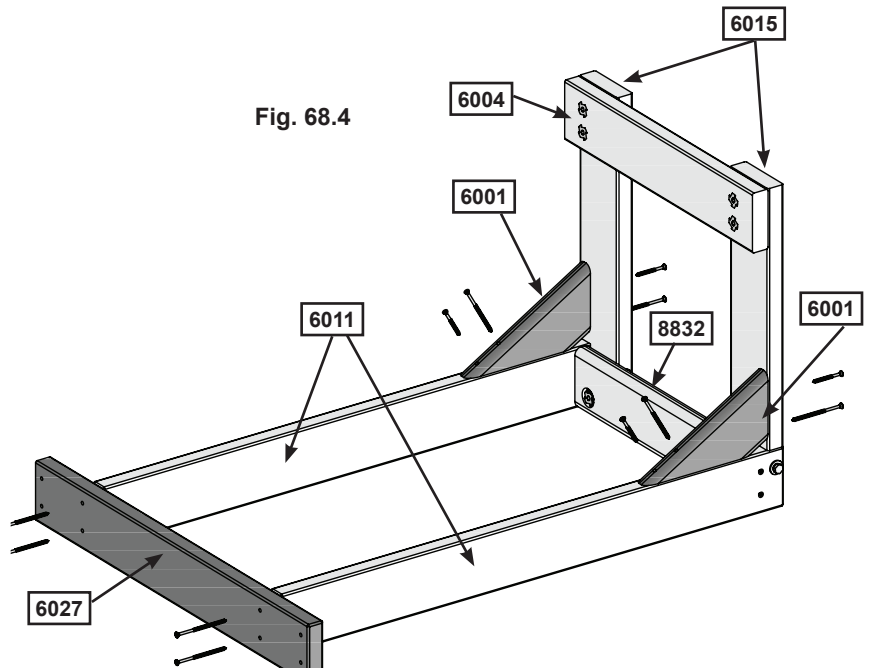


Fig. 68.4



### Wood Parts

- 1 x 6027 Sand Water Support 23.8 x 82.6 x 596.9mm
- 2 x 6001 Gusset 31.8 x 82.6 x 406.4mm

### Hardware

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

# Step 68: Sand and Water Table Assembly Part 3



**F:** Turn the table assembly right side up.

**G:** On the (6002) Long Posts measure 14-1/4" (362mm) up from the ground and attach the (6027) Sand and Water Supports to the (6002) Long Posts using 4 (S7) #12 x 2" Pan Screws (with 3/16" washers). (Fig.68.5 & 68.6 & 68.7).

Fig. 68.5

right side view

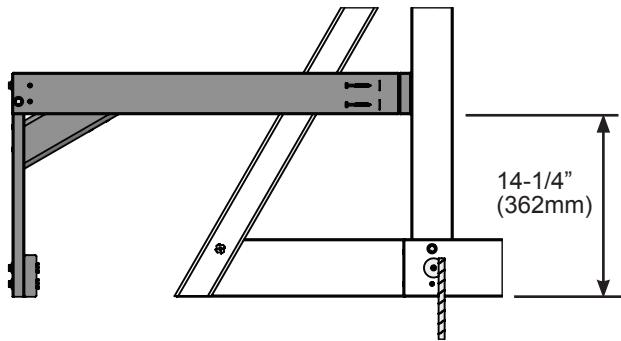


Fig. 68.6

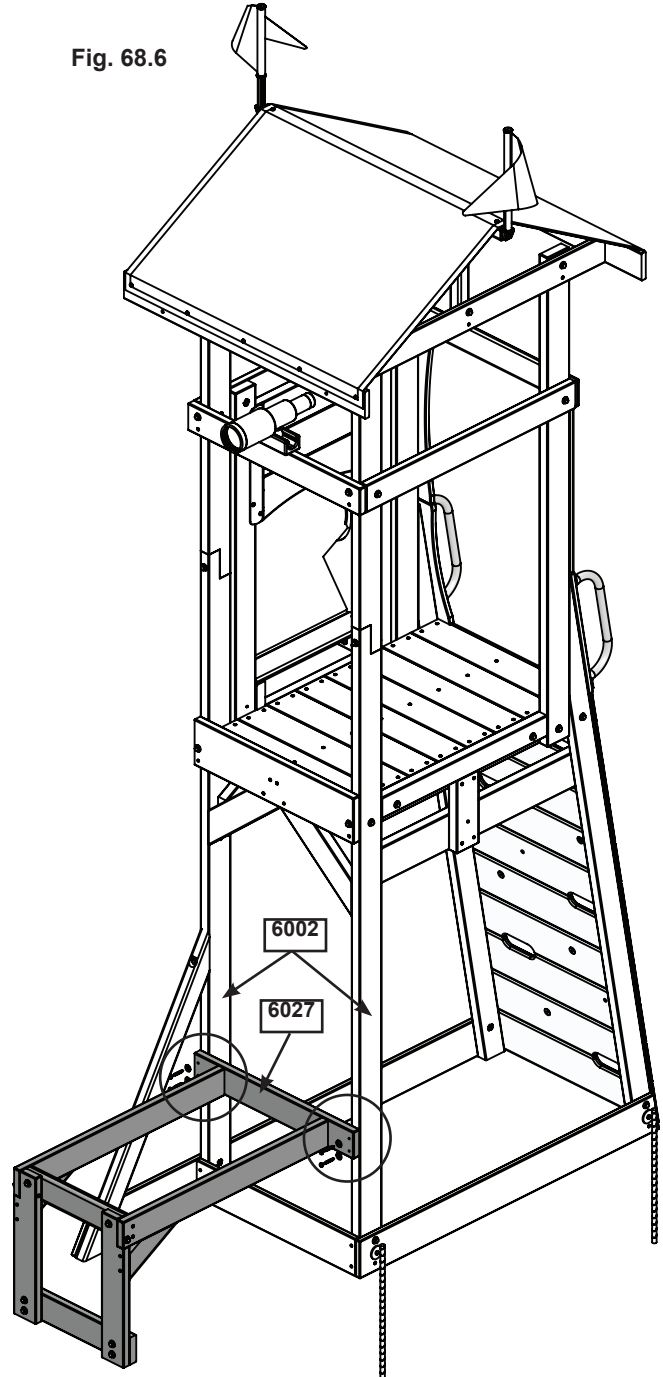
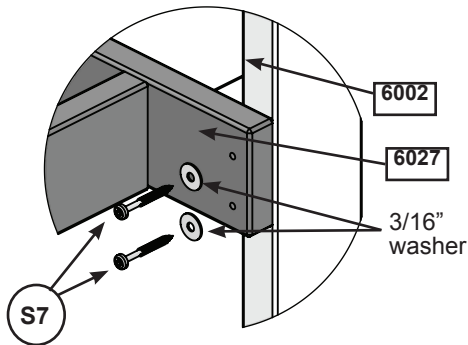


Fig. 68.7



## Hardware

4 x (S7) #12 x 2" Pan Screws (with 3/16" washers)

# Step 68: Sand and Water Table Assembly Part 4

**H:** Place the Sand and Water Insert into the opening of the assembly then tighten all the bolts.

**I:** Secure the Sand and Water Insert to the assembly using 8 (S37) #7 x 5/8" Pan Screws as shown in. (Fig.68.8 & 68.9 & 68.10)

**J:** Insert plugs into the drain holes and put the shovel into the Sand and water Insert. Place the seat over the Sand and Water Insert. (fig. 68.10)

Fig. 68.8

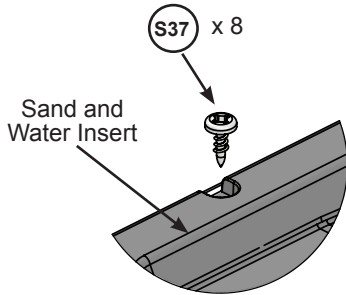


Fig. 68.9

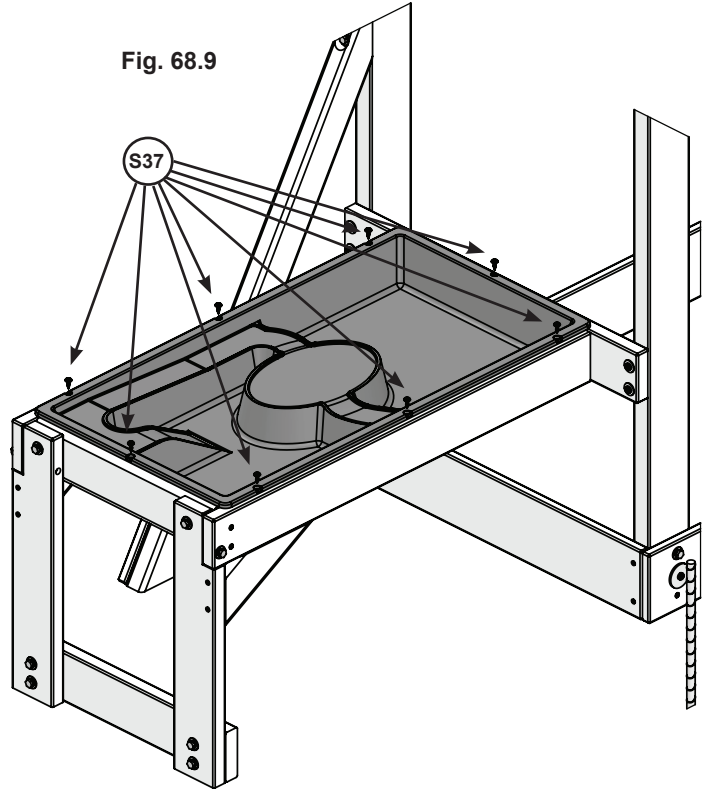
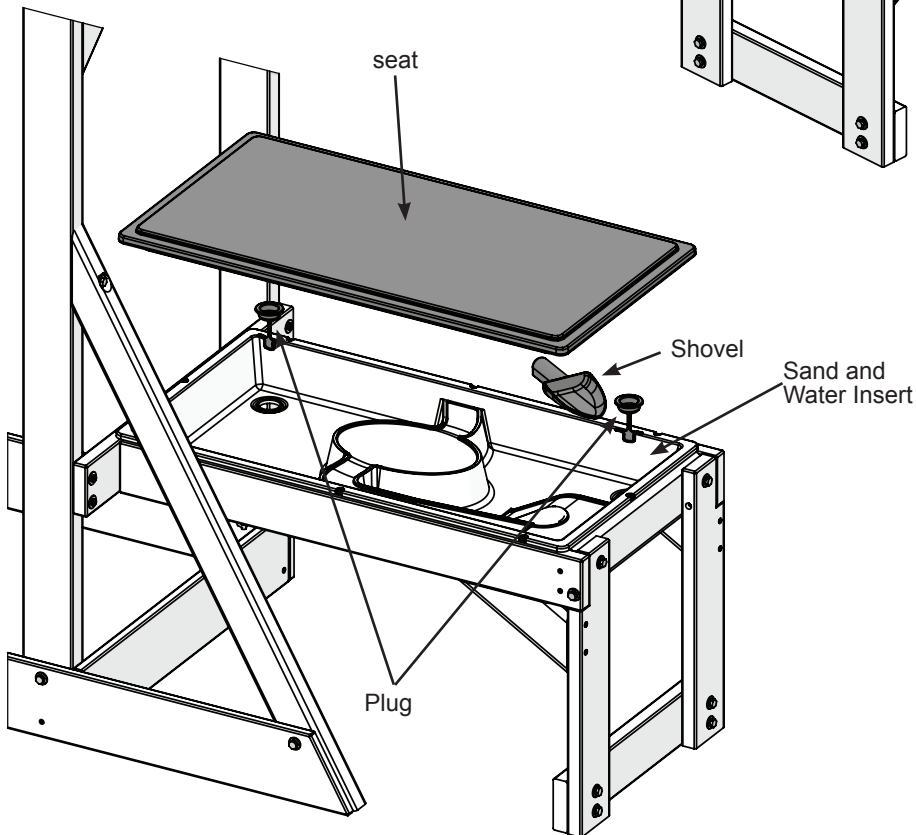


Fig. 68.10



## Hardware

8 x (S37) #7 x 5/8" Pan Screws

## Other Parts

1 x 3 in 1 Bench set ( 1 x Shovel  
2 x Plug 1 x Seat  
1 x Sand and Water Insert )

# Twist-N-Ride 4 Slide Assembly

## Step 69: Install Window Braces



**A:** From inside the tower place 2 (6031) Window Braces side by side on each side of the Back Wall making sure that there is a 9-1/2" (241.3mm) opening in the center. Attach (6031) Window Braces using 4 (S20) #8 x 1-3/8" Wood Screws per board. (Fig. 69.1 & 69.2)

Fig. 69.1  
Back Wall

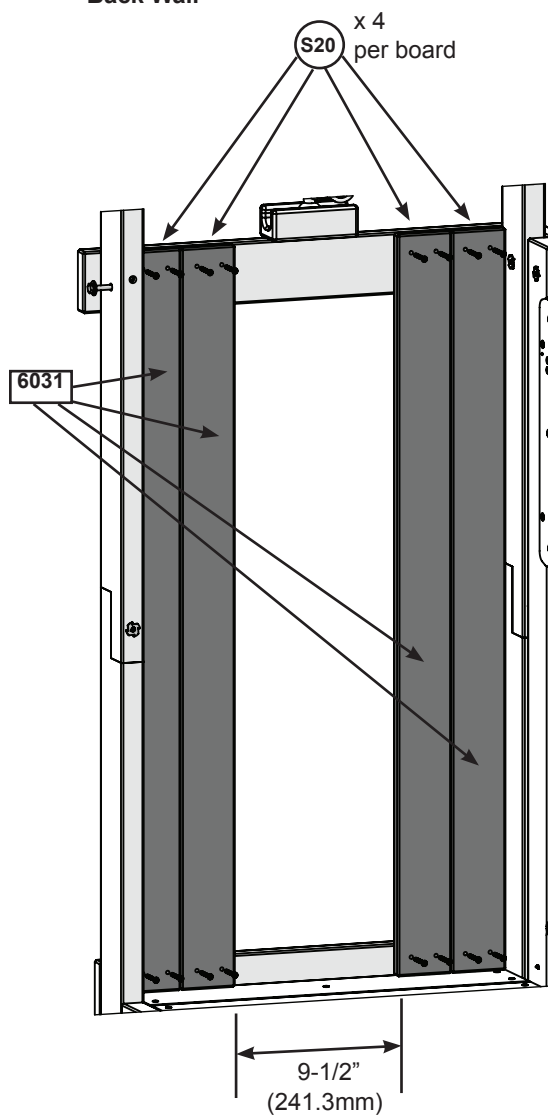
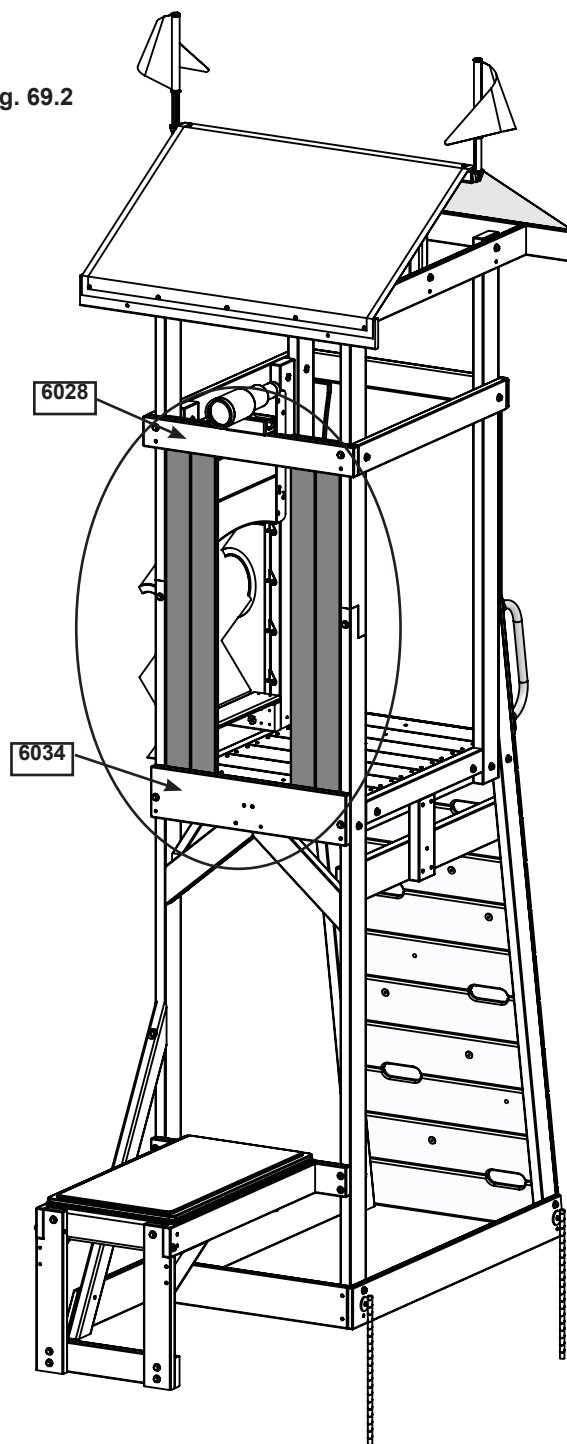


Fig. 69.2



### Wood Parts

4 x **6031** Window Brace 15.9 x 72.6 x 996.9mm

### Hardware

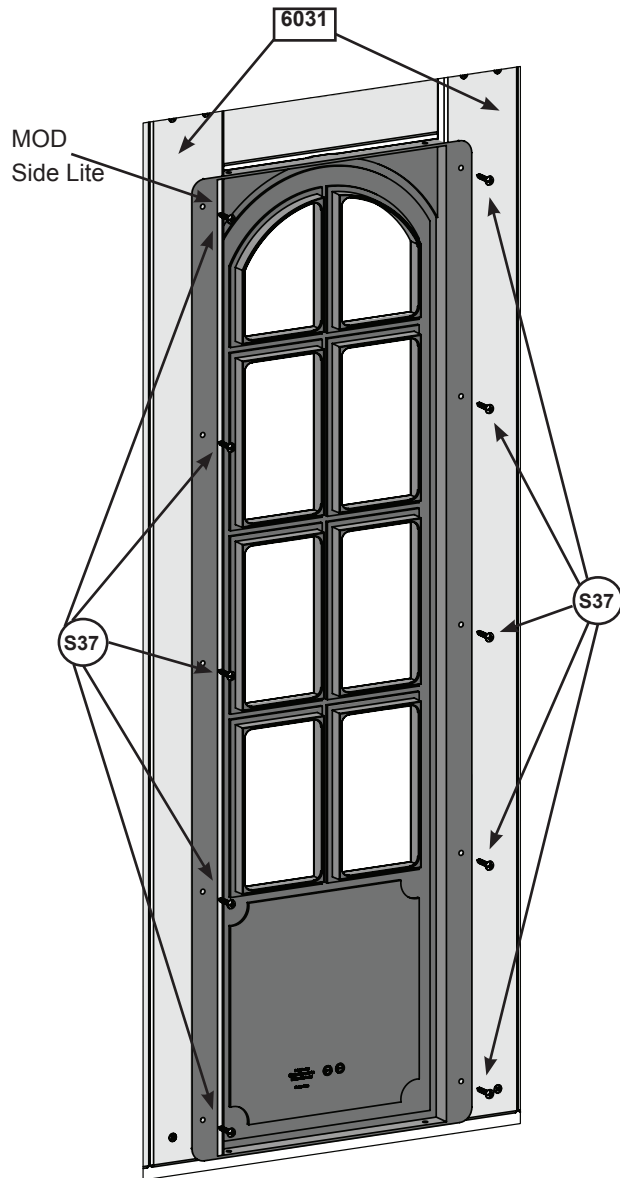
16 x **S20** #8 x 1-3/8" Wood Screw



## Step 70: Install MOD Side Lite

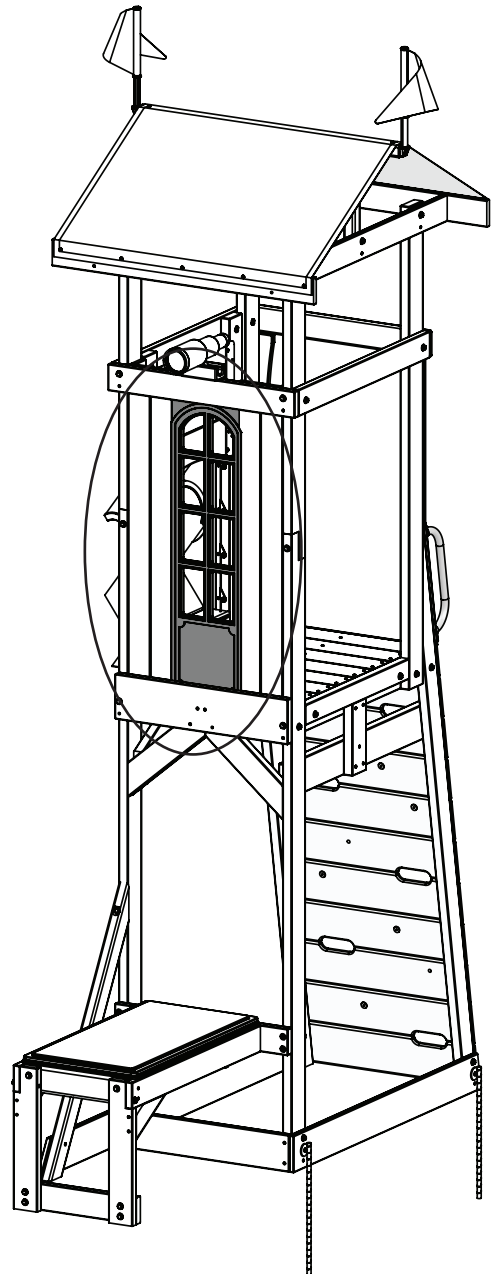
**A:** From inside the assembly place the MOD Side Lite into the opening and attach to the (6031) Window Braces using 10 (S37) #7 x 5/8" Pan Screws. (Fig. 70.1 & 70.2)

Fig. 70.1  
Inside view



**Note:** Do NOT use top/bottom screw hole to attach window, sides only.

Fig. 70.2



### Hardware

10 x  #7 x 5/8" Pan Screw

### Other Parts

1 x MOD Side Lite

## Step 71: Attach SL Insert

**A:** From inside the assembly place the (8935) Lower SL Insert so that the narrow board is at the bottom. Make sure that it's flush with (6029) Side Top and attach using 4 (S0) #8 x 7/8" Truss Screws. (Fig. 71.1 & 71.2)

Fig. 71.1

Inside view

**Note board orientation**

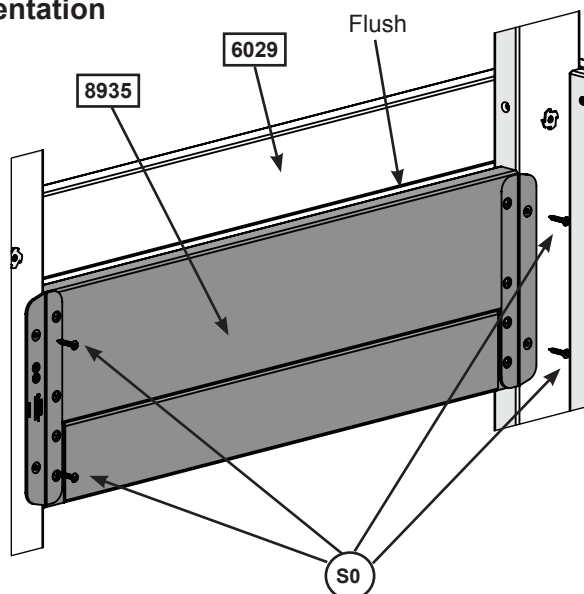
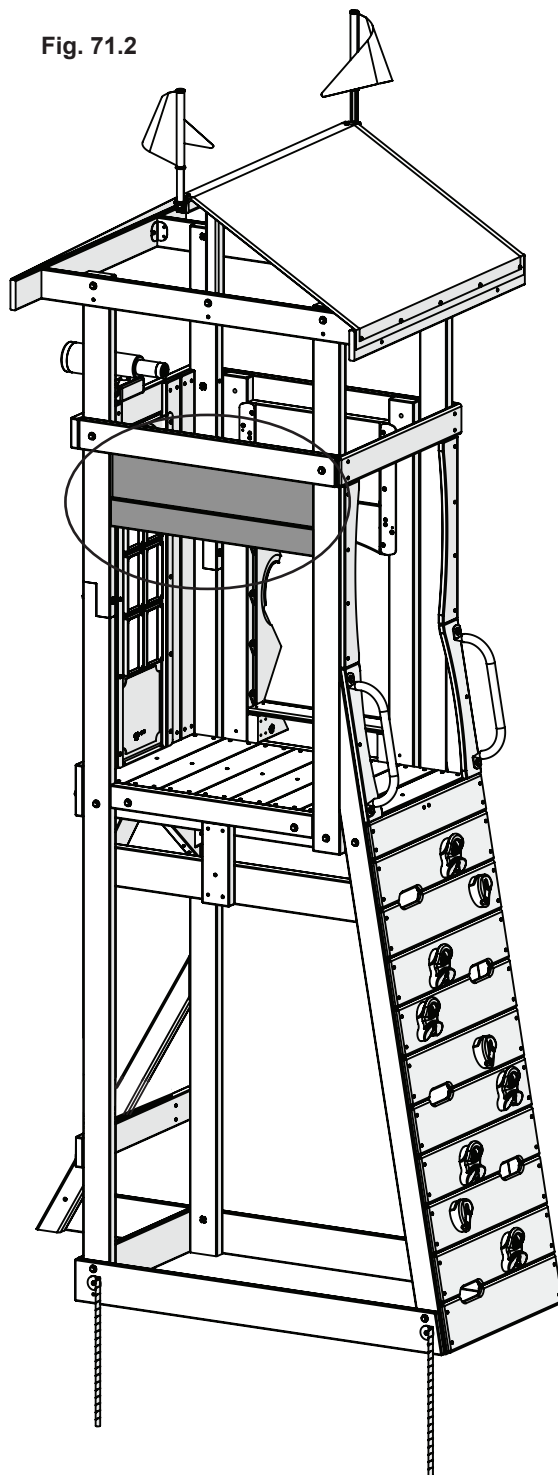



Fig. 71.2



### Wood Parts

1 x  Lower SL Insert 32.2 x 206.4 x 668.3mm

### Hardware

4 x  #8 x 7/8" Truss Screws

## Step 72: Install Post Supports

**A:** From inside the tower place 1 (6033) Post Support against the far side of the left and right walls and flush to the (6031) Window Brace as shown in (Fig. 72.1 & 72.2) . Attach (6033) Post Supports to (6012) Short Posts and (6002) Long Posts using 7 (S15) #8 x 1-3/4" Wood Screws. (Fig. 72.1 & 72.2)

Fig. 72.1

**Do Not** install screw on the slide side that would hit the flange on the Lower SL Insert

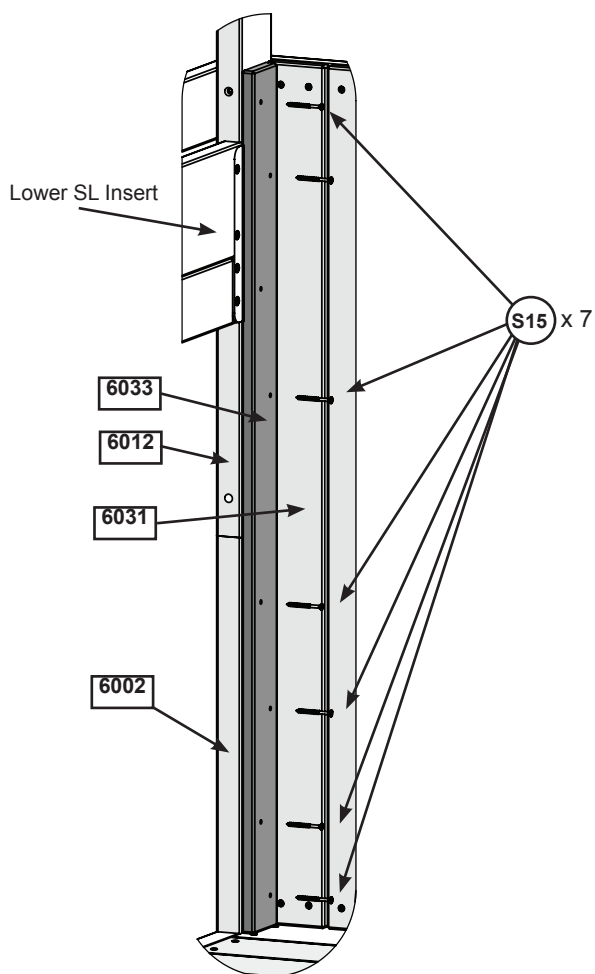
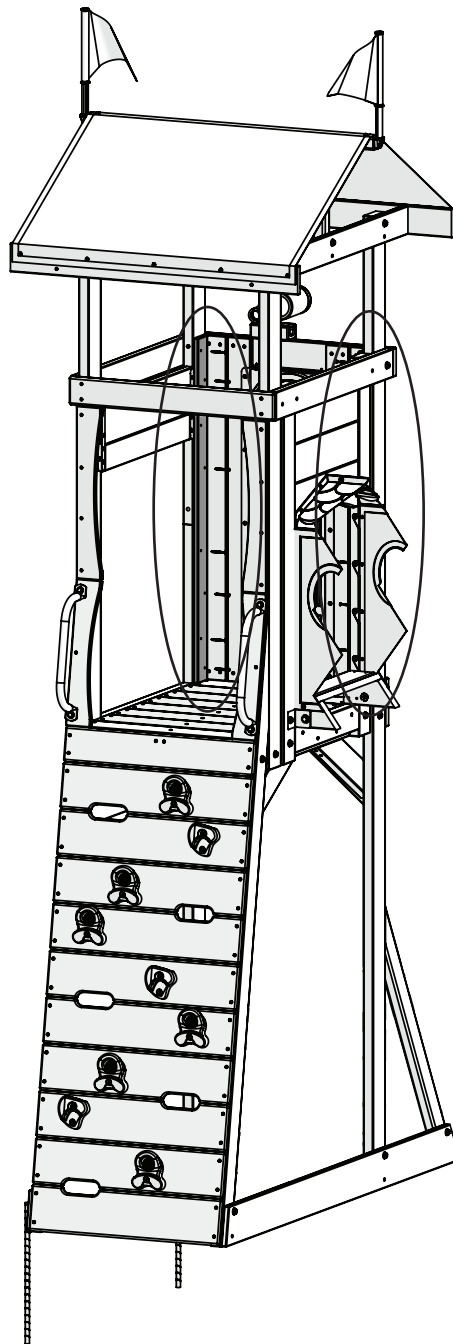


Fig. 72.2



### Wood Parts

2 x Post Support 15.9 x 63.5 x 996.9mm

### Hardware

14 x #8 x 1-3/4" Wood Screws

# Twist-N-Ride 4 Slide Assembly

## Step 73: Slide Section Assemblies

### Part 1



**Note:** When installing Pan Bolts make sure to look at holes so bolts go through the side with the round recess and the lock nuts go through the side with the hexagonal recess. (Fig. 73.3).

**A:** Fit 2 TNR2 Slide Elbows together and attach with 8 (PB1) 1/4 x 3/4" Pan Bolts (with lock nut) as shown in (Fig. 73.1). It is very important to attach bolts as indicated.

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

**C:** Attach TNR3 Extend Flange RT and TNR3 Extend Flange LT together using 9 (PB1) 1/4 x 3/4" Pan Bolts (with lock nut) as shown in (Fig. 73.2). This creates the Flange Assembly.

Fig. 73.1

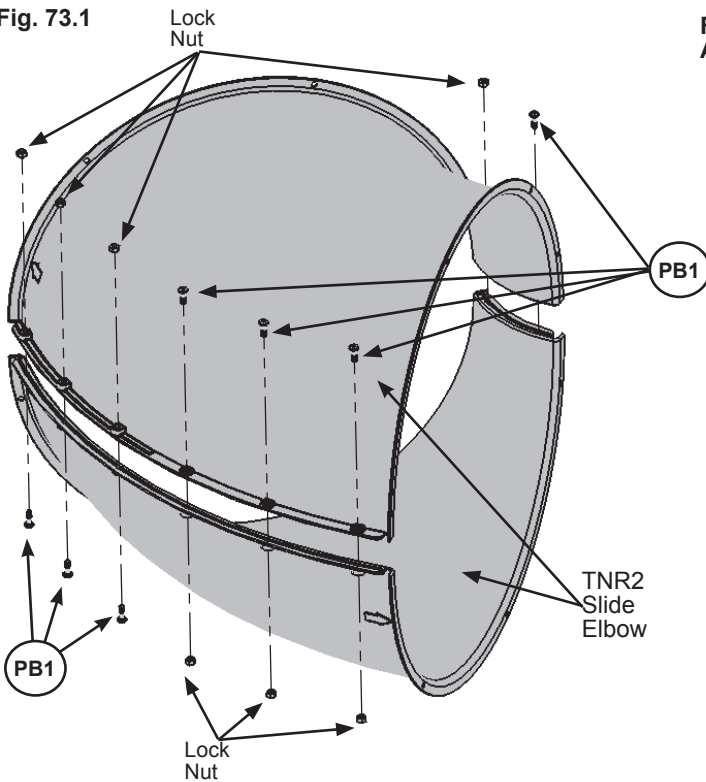


Fig. 73.2

Flange Assembly

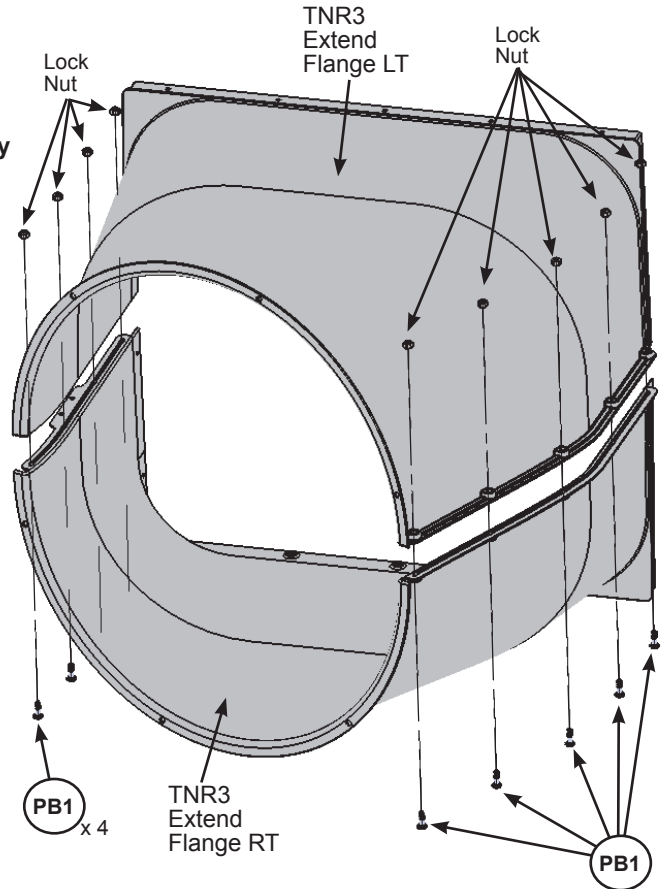
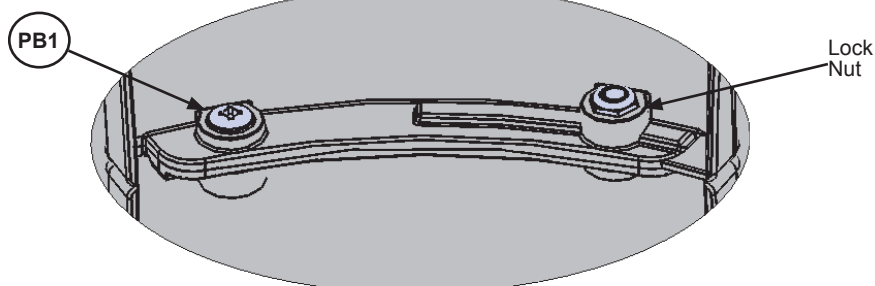


Fig. 73.3



Use a 7/16" open end wrench for nuts

#### Hardware

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

#### Other Parts

1 x TNR3 Extend Flange RT  
1 x TNR3 Extend Flange LT  
8 x TNR2 Slide Elbow

# Step 73: Slide Section Assemblies

## Part 2

**Note:** When installing Pan Bolts make sure to look at holes so bolts go through the side with the round recess and the lock nuts go through the side with the hexagonal recess. (Fig. 73.3)

**D:** Attach TNR2 Slide Exit Top and the remaining TNR2 Slide Elbow together using 8 (PB1) 1/4 x 3/4" Pan Bolts (with lock nut) as shown in (Fig. 73.4). It is very important to attach bolts as indicated. This creates the Exit Elbow Assembly.

Fig. 73.4

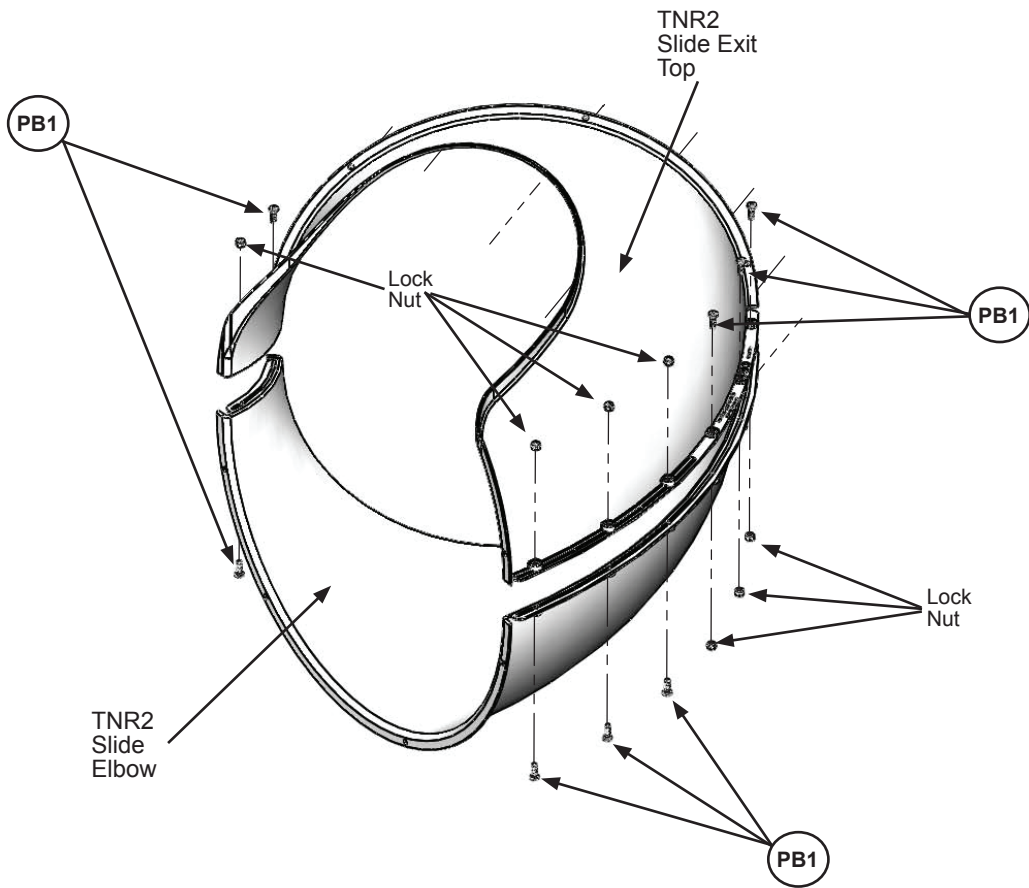
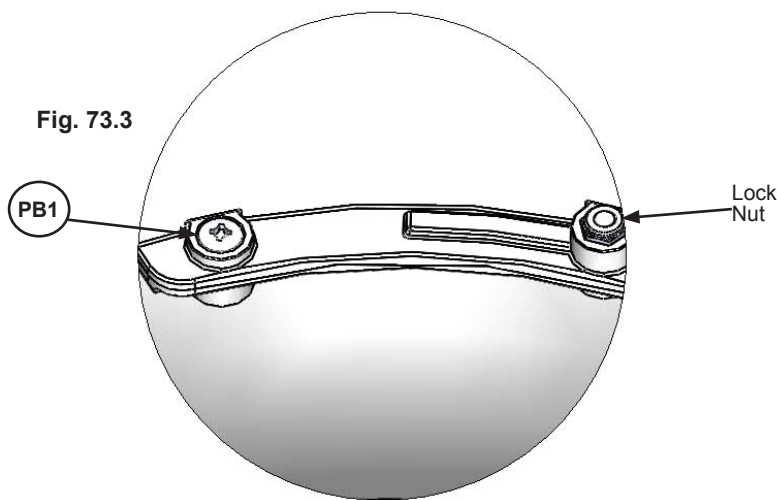


Fig. 73.3



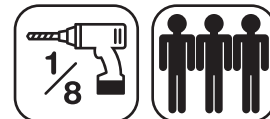
**Hardware**

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

**Other Parts**

1 x TNR2 Slide Exit Top  
1 x TNR2 Slide Elbow

# Step 74: Attach Flange Assembly to Adventure Tower Part 1

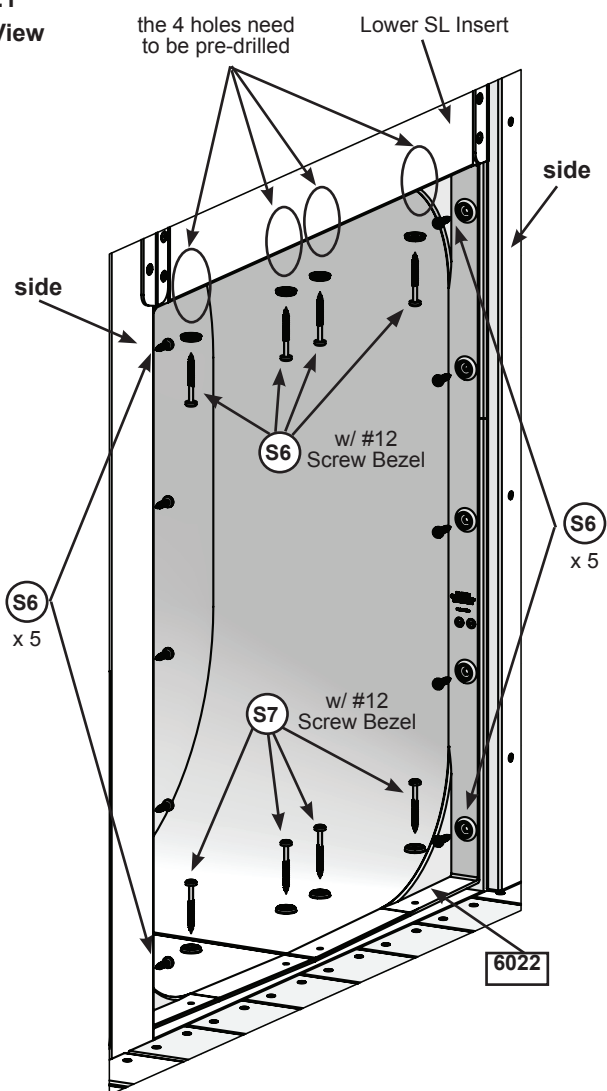


**A:** With a helper place the Flange Assembly flush to Slide Wall as shown in (Fig. 74.2), then attach Flange Assembly to the (6022) SL Brace using 4 (S7) #12 x 2" Pan Screws (with #12 Screw Bezel) (Fig. 74.1) Make sure the flat surfaces of the Flange Assembly are flush to the slide wall as shown in (Fig. 74.2)

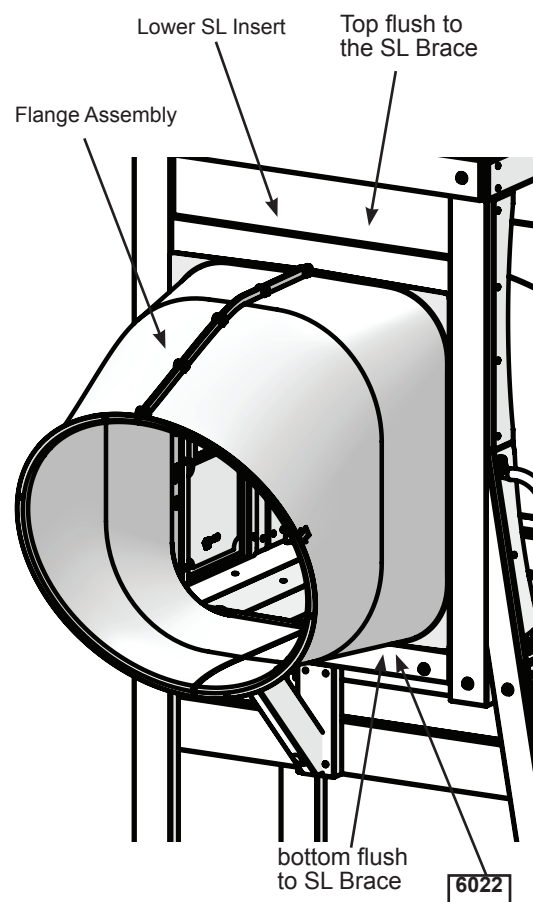
**B:** Pre-drill 1/8" (3.2mm) pilot holes in the mounting locations on Lower SL Insert (approximate spots where circles are on figure), making sure the pre-drilled holes are a minimum of 1" (25.4mm) deep. (Fig. 74.1)

**C:** Attach the Flange Assembly flush to Lower SL Insert using 4 (S6) #12 x 1" Pan Screws (with #12 Screw Bezel) in the pre-drilled holes as shown in (Fig. 74.1) and to both left and right sides using 5 (S6) #12 x 1" Pan Screw per side. (Fig. 74.1)

**Fig. 74.1**  
**Inside View**



**Fig. 74.2**  
**Outside View**



## Hardware

- 14 x S6 #12 x 1" Pan Screw
- 4 x S7 #12 x 2" Pan Screw
- 8 x FW6 #12 Screw Bezel

# Step 74: Attach Flange Assembly to Adventure Tower Part 2



**D:** Place (8934) SL Gusset centred and tight to (6005) Slide Block and attach to Flange Assembly with 2 (S6) #12 x 1" Pan Screws. (Fig. 74.3 & 74.4)

**E:** Pre-drill pilot hole with a 3/16" (4.8mm) drill bit then attach (8934) SL Gusset to (6005) Slide Block with 1 (WL5) 1/4 x 2-1/2" Wafer Lag (with flat washer). (Fig. 74.3 & 74.4)

Fig. 74.3

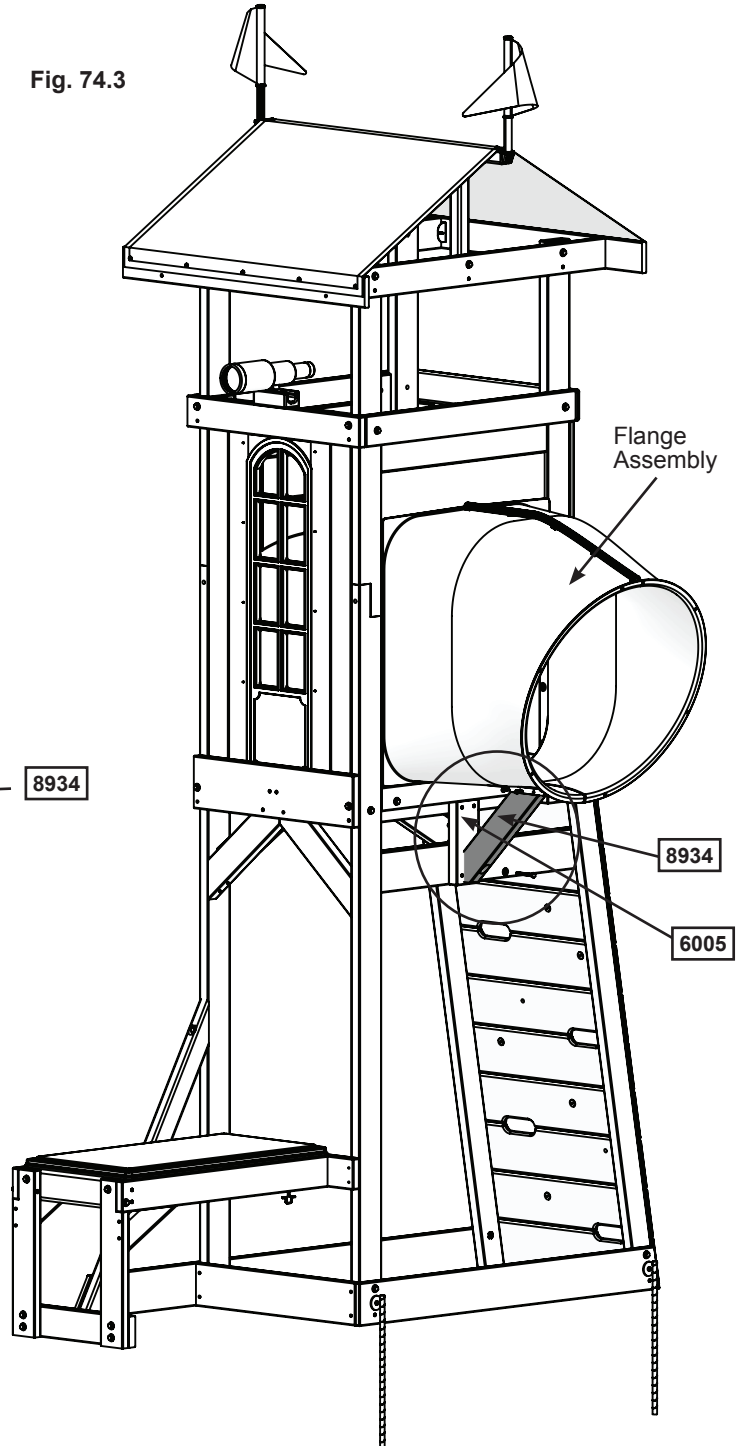
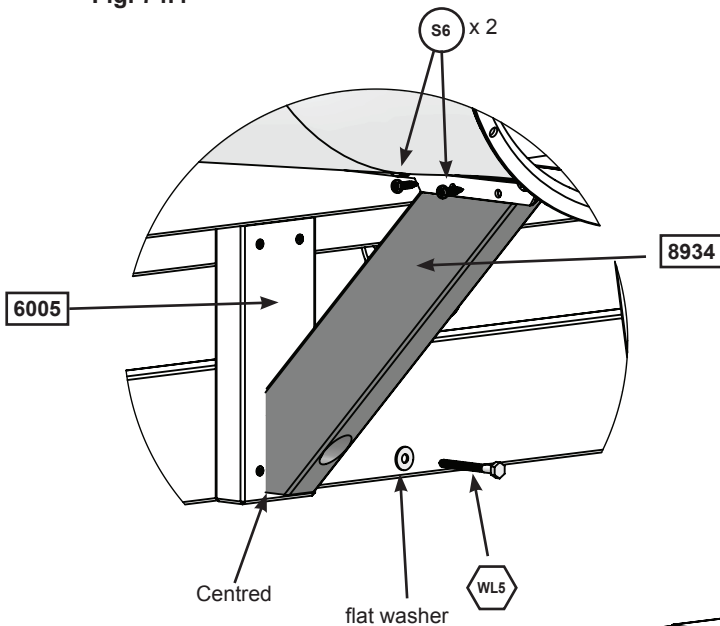


Fig. 74.4



## Wood Parts

1 x 8934 SL Gusset 31.8 x 76.2 x 400mm

## Hardware

2 x S6 #12 x 1" Pan Screws

1 x WL5 1/4 x 2-1/2" Wafer Lag (with flat washer)



# Step 75: Attach Elbow Assembly to Flange Assembly



**Note:** Keep all bolts loose until further step.

**A:** Fit one of the Elbow Assemblies to the Flange Assembly by lining up the arrows on each assembly. Attach Elbow Assembly to Flange Assembly using 6  $\frac{1}{4}$  x 12.7mm Pan Bolts and Square Lock Nut. (Fig. 75.2 & 75.3).

**B:** Attach one of the Elbow assemblies to another Elbow Assembly making sure to line up the arrows on each assembly. Attach using 6  $\frac{1}{4}$  x 12.7mm Pan Bolts with Square Lock Nut. Repeat this instruction to make 2 more. (Fig. 75.2 & 75.3)

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

Quadrex Driver



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

Fig. 75.1

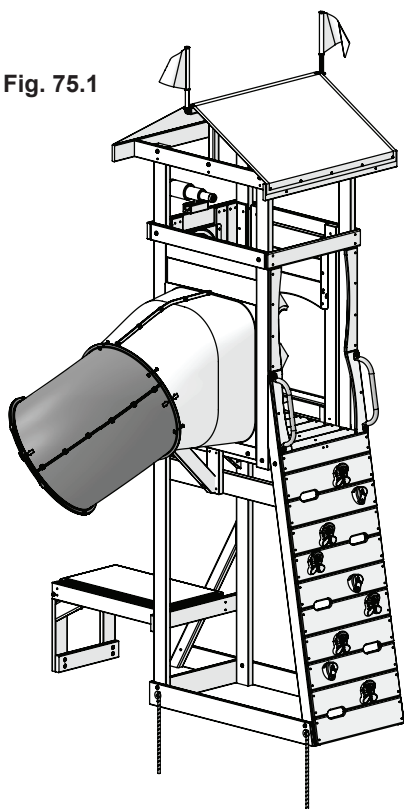


Fig. 75.2

Top Slide Bolt Holes

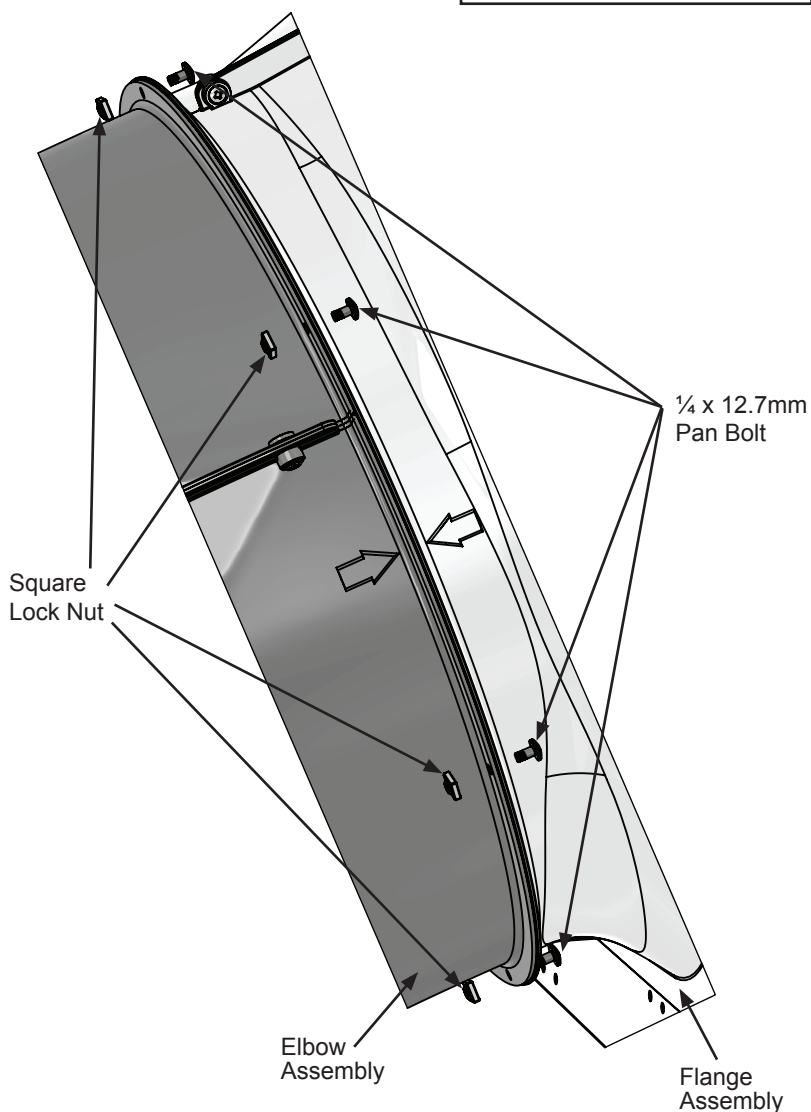
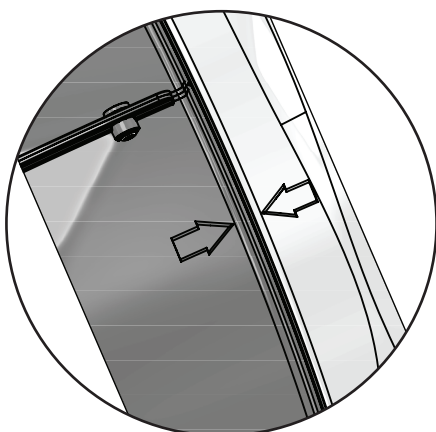


Fig. 75.3



*Align each elbow using the molded arrows.*

## Other Parts

1 x Quadrex Driver  
24 x  $\frac{1}{4}$  x 12.7mm Pan Bolt  
24 x  $\frac{1}{4}$  Square Lock Nut

## Step 76: Attach TNR 3 Slide Exit to Elbow Assembly



**A:** Insert flange of Exit Elbow Assembly (slide elbow) into the slots on TNR3 Short Exit. (fig. 76.1)

**B:** Rotate Slide Exit and use Quadrex Driver as a guide pin so the holes are aligned and attach with 5 (PB1) 1/4 x 3/4" Pan Bolts (with lock nuts) starting with the bottom middle hole and working up each side. (fig. 76.2 & 76.3)

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

Fig. 76.1

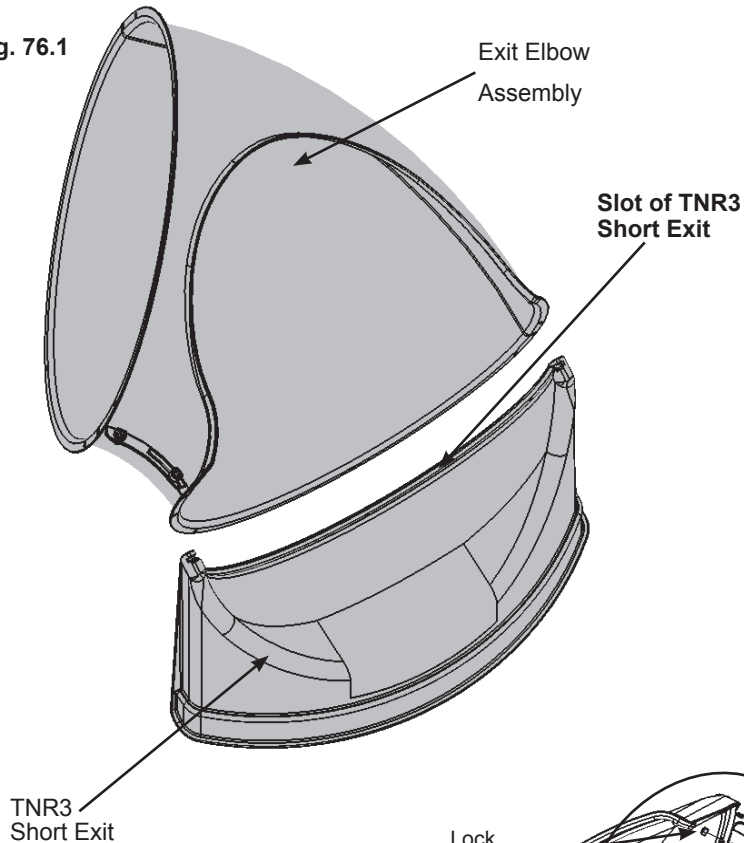


Fig. 76.2

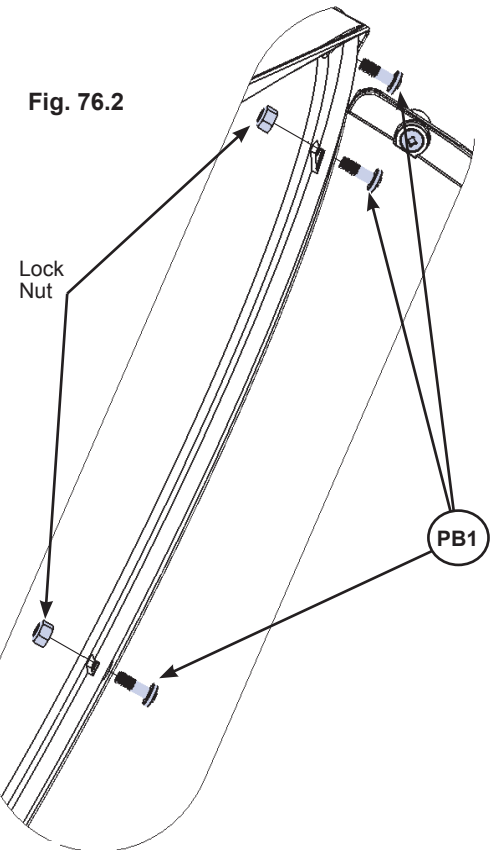
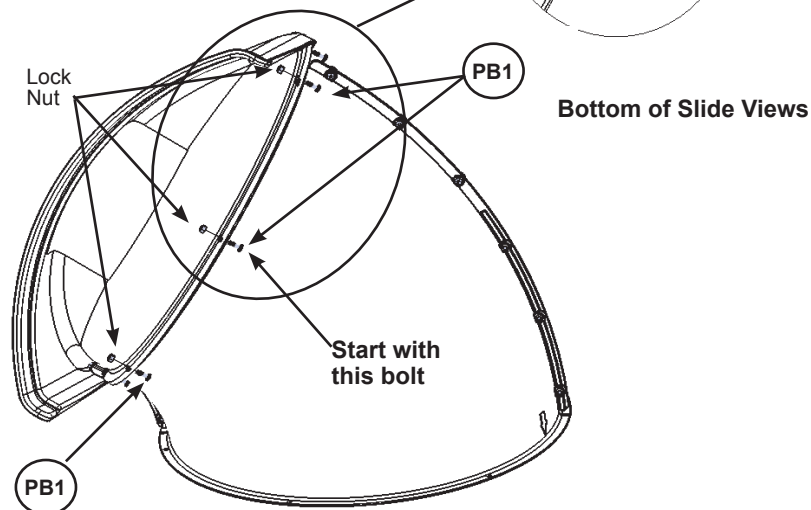



Fig. 76.3



### Hardware

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

### Other Parts

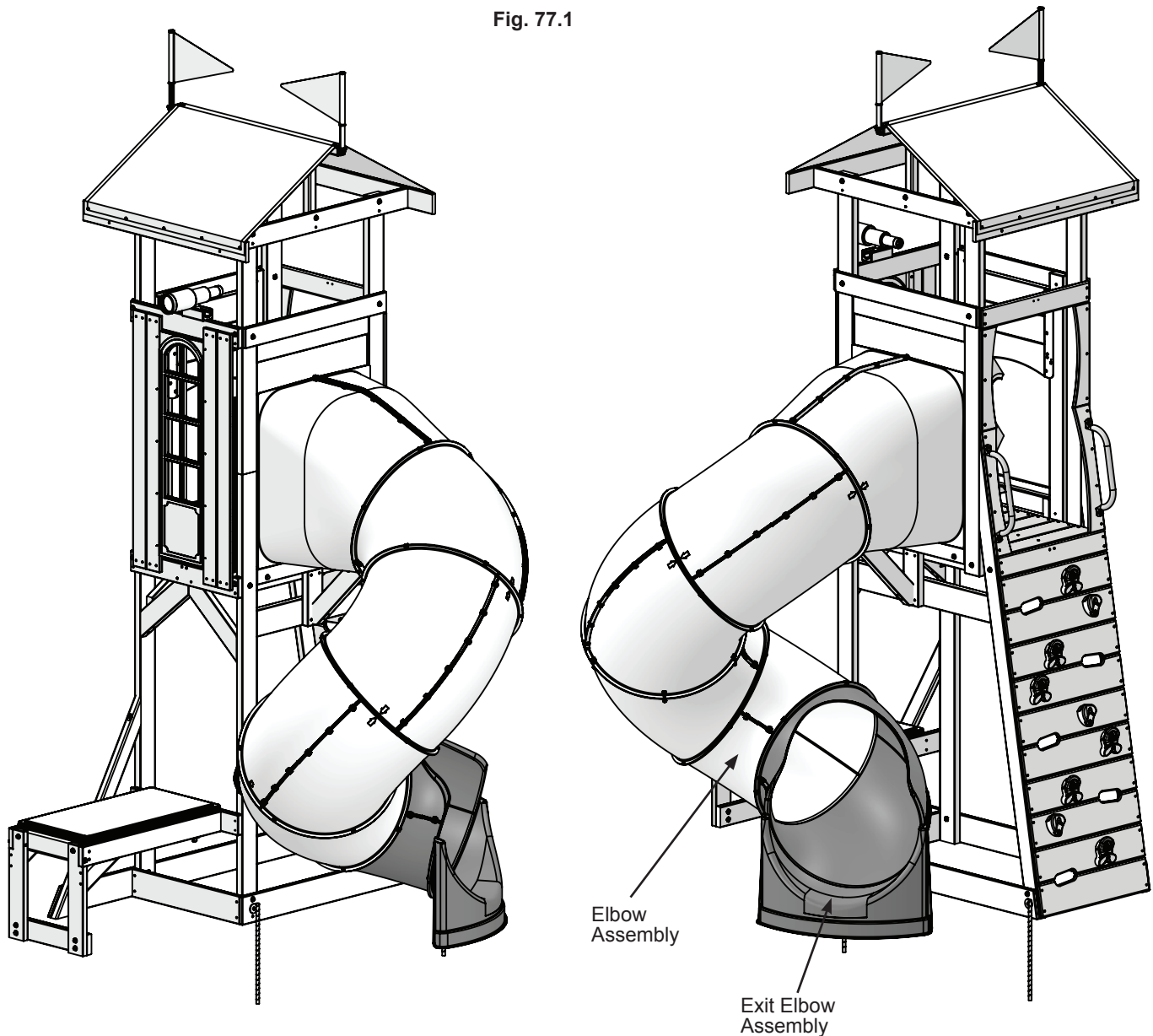
1 x TNR3 Short Exit

## Step 77: Attach Exit End Assembly to Adventure Tower



**A:** Fit the Exit End Assembly to the last Elbow Assembly by lining up the arrows on each assembly. Notice the elbow orientation. (fig. 77.1). Attach with 6 (PB7)  $\frac{1}{4}$  x 12.7mm Pan Bolts and Square Lock Nuts.

Fig. 77.1



**Make sure arrows are aligned**

### Other Parts

6 x  $\frac{1}{4}$ " x 12.7mm Pan Bolt  
6 x  $\frac{1}{4}$ " Square Lock Nut

## Step 78: Attach TNR 4 Clamp Rings



**A:** Place 2 TNR4 Clamp Rings around each joint making sure to match the arrows with the end of the Clamp Ring as shown in (fig. 78.1 & 78.2 ).

**B:** Connect TNR4 Clamp Rings in 2 spots using 1 (PB6)  $\frac{1}{4}$  x 1" Pan Bolt (with lock nut) per side. (fig.78.3)

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

Fig. 78.1

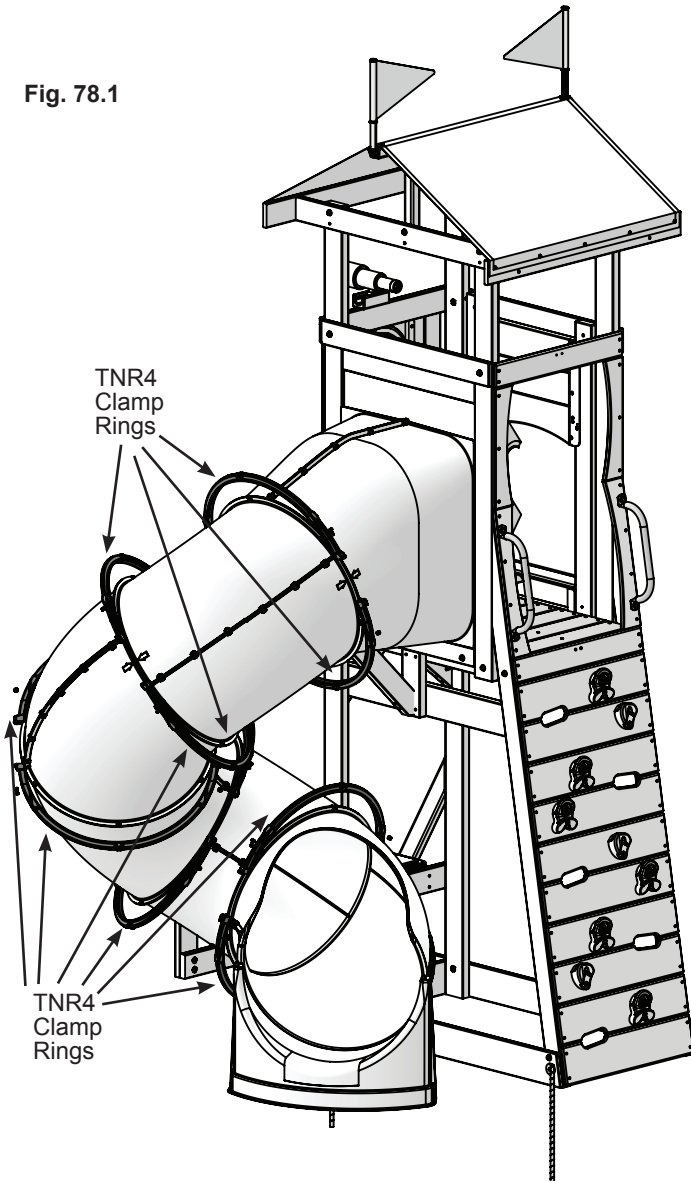
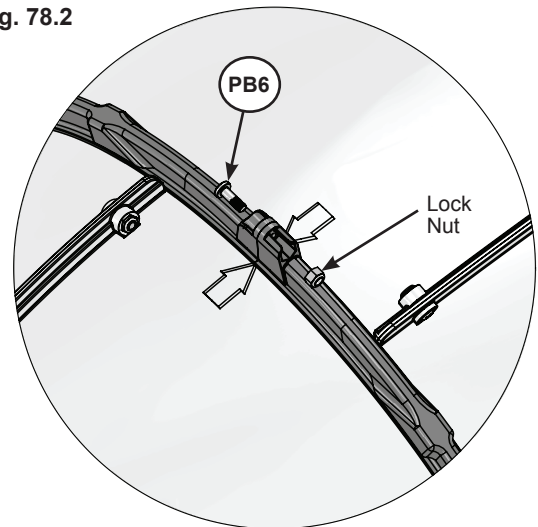
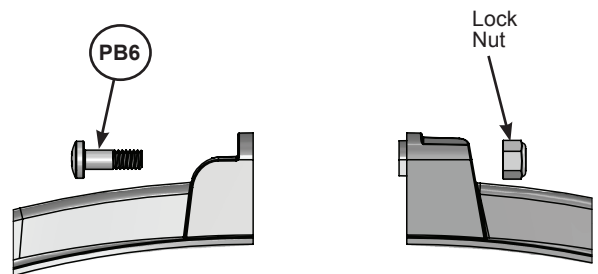


Fig. 78.2




Make sure arrows  
are aligned

Fig. 78.3



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

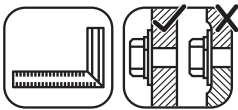
### Hardware

10 x   $\frac{1}{4}$  x 1" Pan Bolt  
( $\frac{1}{4}$ " lock nut)

### Other Parts

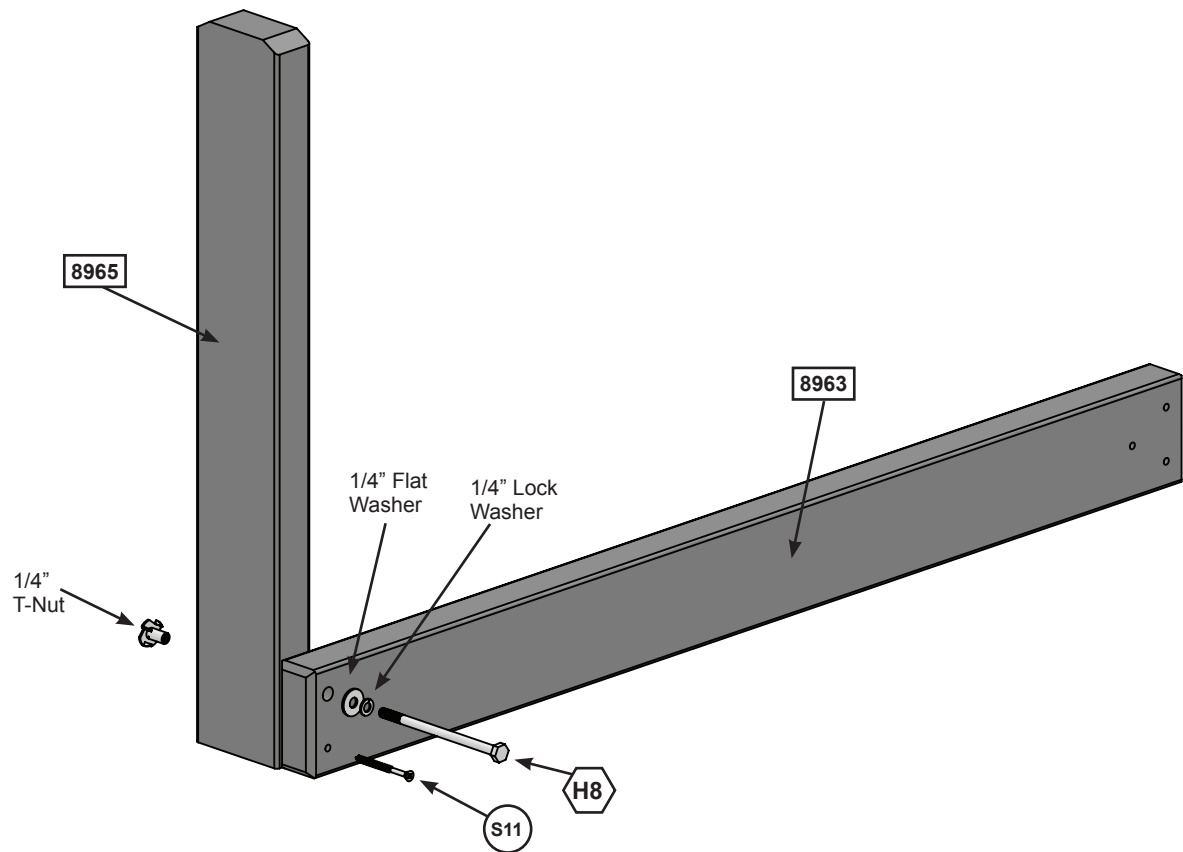
10 x TNR4 Clamp Ring

# Step 79: TNR Brace Assembly



**A:** Attach (8965) TNR Upright to (8963) TNR Ground Brace with 1 (H8) 1/4 x 4-1/4" Hex Bolt (with lock washer, flat washer and t-nut) in the top hole. Make sure both boards are square then attach with 1 (S11) #8 x 2" Wood Screw. (Fig. 79.1)

Fig. 79.1



**Wood Parts**

- 1 x 8963 TNR Ground Brace 31.8 x 76.2 x 819.2mm
- 1 x 8965 TNR Upright 31.8 x 76.2 x 514.4mm

**Hardware**

- 1 x S11 #8 x 2" Wood Screw
- 1 x H8 1/4 x 4-1/4" Hex Bolt (1/4" lock washer, 1/4" flat washer, 1/4" t-nut)

## Step 80: Attach TNR 4 Slide to Adventure Tower



**A:** On the fourth attached Elbow Assembly remove the pan bolt and nut which is facing the tower (installed previously Step 73). (fig. 80.2) **The bolt will no longer be needed, but keep the lock nut.**

**B:** Loosely attach TNR3 Tube Support (at the slightly bent end) to the slide seam using 1 (PB6) 1/4 x 1" Pan Bolt (with flat washer and the previously removed lock nut). (fig. 80.1)

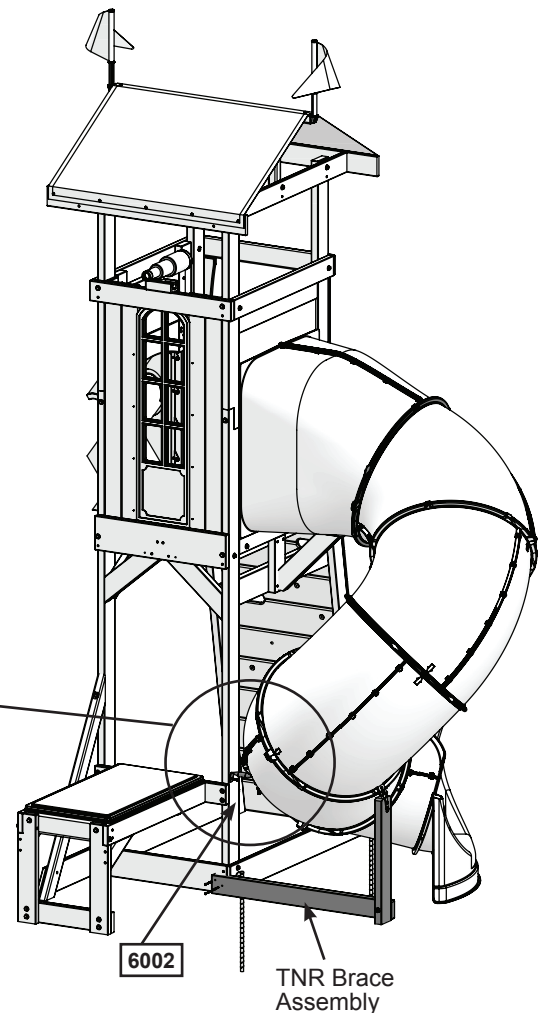
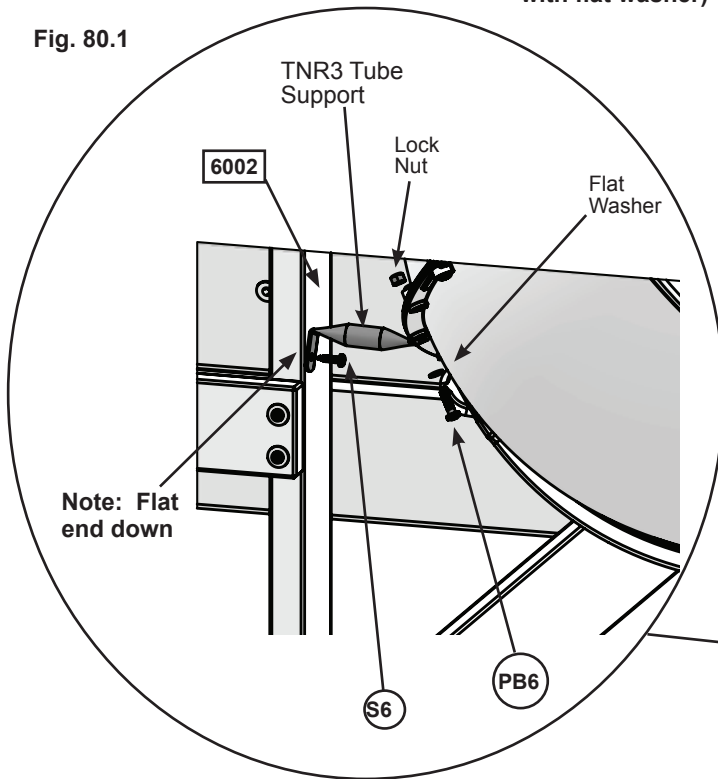
**C:** Rotate TNR3 Tube Support and attach to (6002) Long Post using 1 (S6) #12 x 1" Pan Screw as shown in (fig. 80.1.)

**D:** Fully tighten screw and bolt.

Fig. 80.2

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

Fig. 80.1



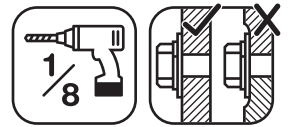
### Hardware

- 1 x (S6) #12 x 1" Pan Screw
- 1 x (PB6) 1/4 x 1" Pan Bolt  
(1/4" flat washer & 1/4" lock nut - previously removed)

### Other Parts

- 1 x TNR3 Tube Support

# Step 81: Attach Elbow Assemblies and TNR4 Slide



- A:** Place TNR Brace centered over pilot holes of AL-RW Ground Brace. Attach with 3 (S4) #8 x 3 Wood Screws. (fig. 81.3)
- B:** Place 1 TNR4 Post Mount Clamp on either side of the Clamp Ring so that the bent tops clip in behind the Clamp Ring.
- C:** Insert the TNR4 Post Mount Base in between the 2 TNR4 Post Mount Clamps and bolt all pieces together using one 1/4 x 14.5mm Pan Head Bolt and Square Lock Nut. (fig. 81.2)
- D:** Attach TNR4 Post Mount Base to (8965) TNR Upright, pre-drill with a 1/8" (3.2mm) drill bit then attach with 2 (S6) #12 x 1" Pan Screws. (fig. 81.2)
- E:** Attach the Post Mount Clamp to the clamp ring using 1 (S37) #7 x 5/8" Pan Screw. (fig. 81.2)

Fig. 81.1

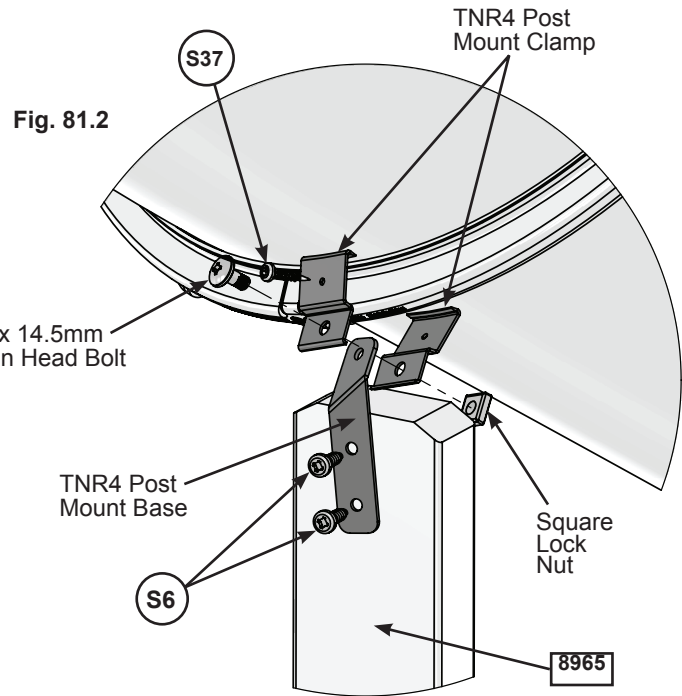
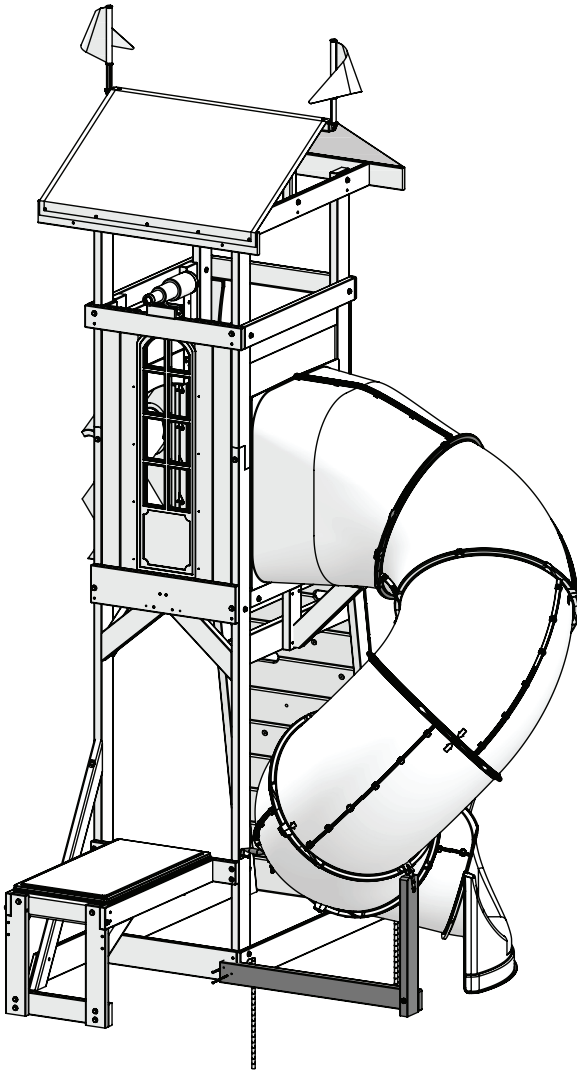
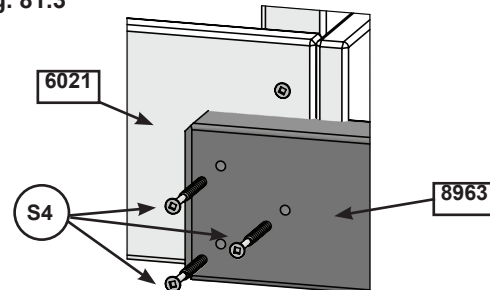


Fig. 81.3



## Hardware

- 2 x (S6) #12 x 1" Pan Screw
- 3 x (S4) #8 x 3" Wood Screw
- 1 x (S37) #7 x 5/8" Pan Screw

## Other Parts

- 2 x TNR4 Post Mount Clamp
- 1 x TNR 4 Post Mount Base
- 1 x 1/4 x 14.5 mm Pan Head Bolt
- 1 x Square Lock Nut



## Step 82: Attach Ground Stake to TNR Upright

**A:** In the spot shown in (Fig. 82.1) drive 1 Rebar Ground Stake 13" (330mm) into the ground against the (8965) TNR Upright. Be careful not to hit the washer while hammering stake into the ground as this could cause the washer to break off.

**B:** Attach the ground stake to (8965) TNR Upright just below the t-nut using 1 (S7) #12 x 2" Pan Screw as shown in (Fig. 82.2).

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



**Warning! To prevent tipping and avoid potential injury, stakes must be driven 13" (330mm) into ground. Digging or driving stakes can be dangerous if you do not check first for underground wiring, cables or gas lines.**

Fig. 82.1

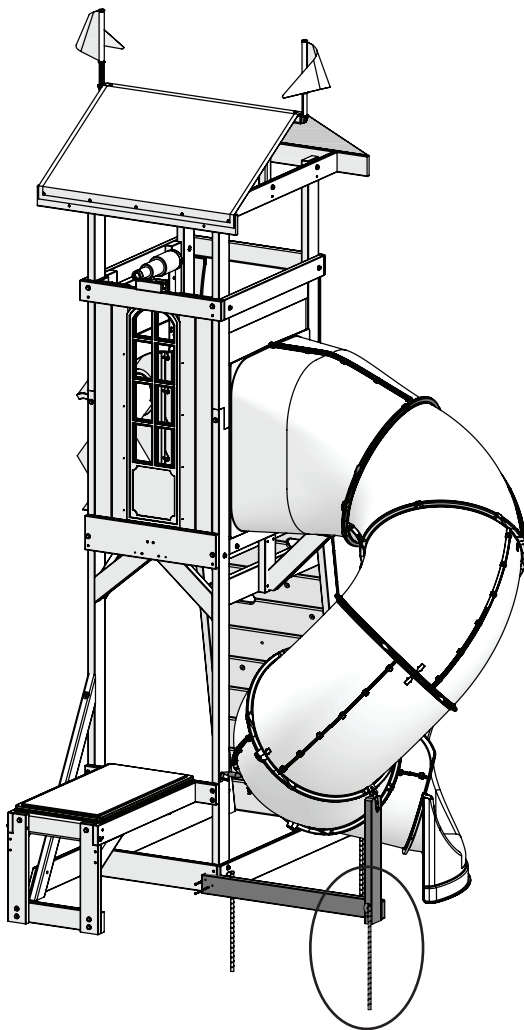
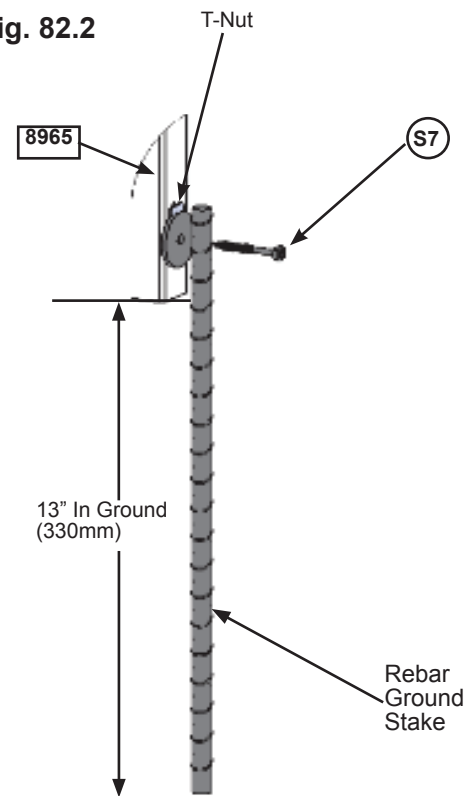


Fig. 82.2



**SEE FRONT COVER FOR  
SAFETY CLEARANCE**

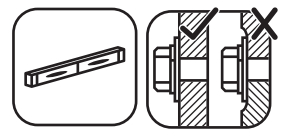
### Hardware

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

### Other Parts

1 x Rebar Ground Stakes

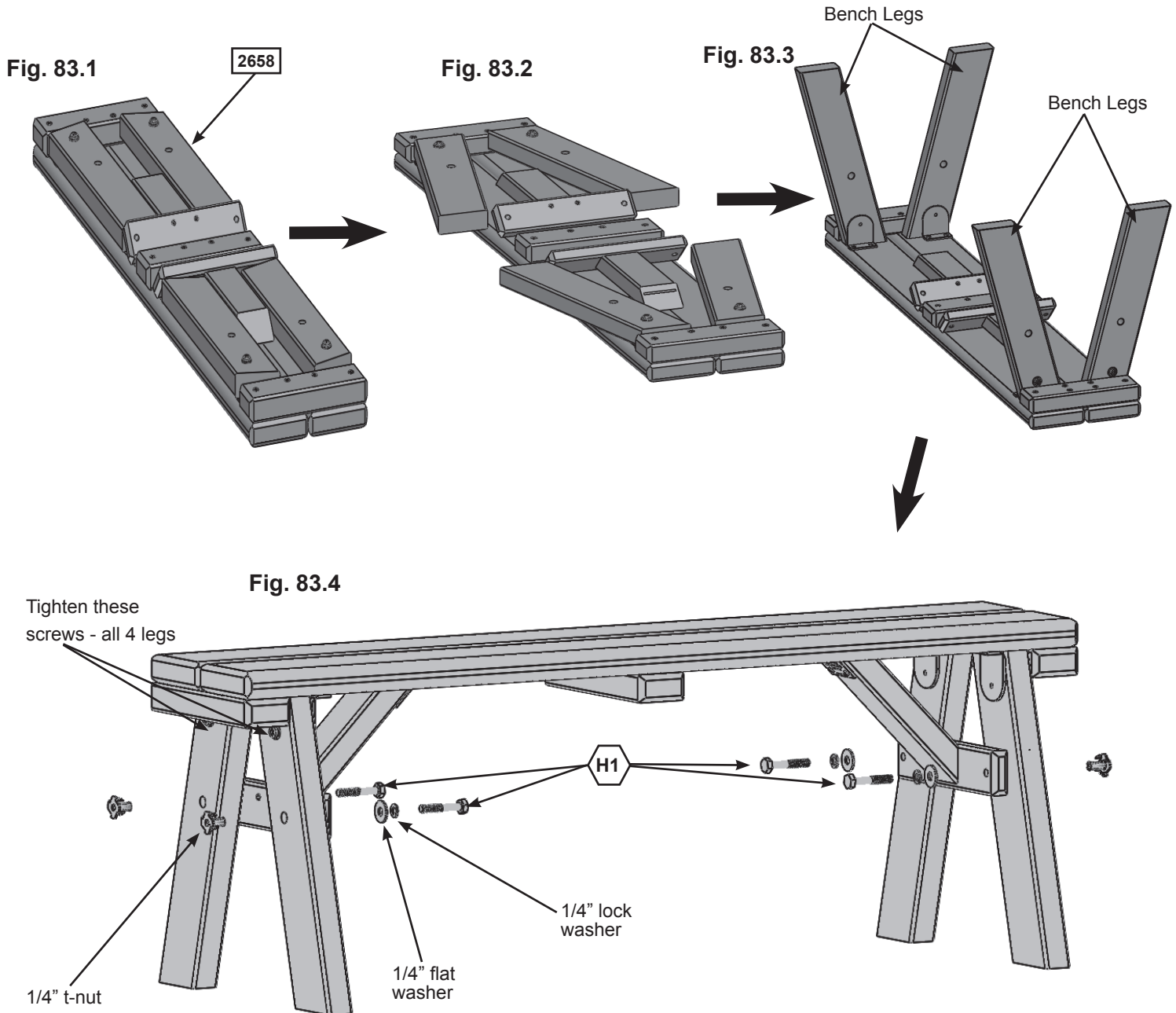
## Step 83: Bench Assembly



**A:** Open the (2658) Folding Bench Assembly. (fig. 83.1, 83.2 and 83.3)

**B:** Make sure assembly is level then secure with 2 (H1) 1/4 x 1-1/2" Hex Bolts (with lock washer, flat washer and t-nut) per side. (fig. 83.4)

**C:** Tighten the top screws in all 4 Bench Legs. (fig. 83.4)



### Wood Parts

1 x **2658** Folding Bench 2-13/32 x 6-3/4 x 34"

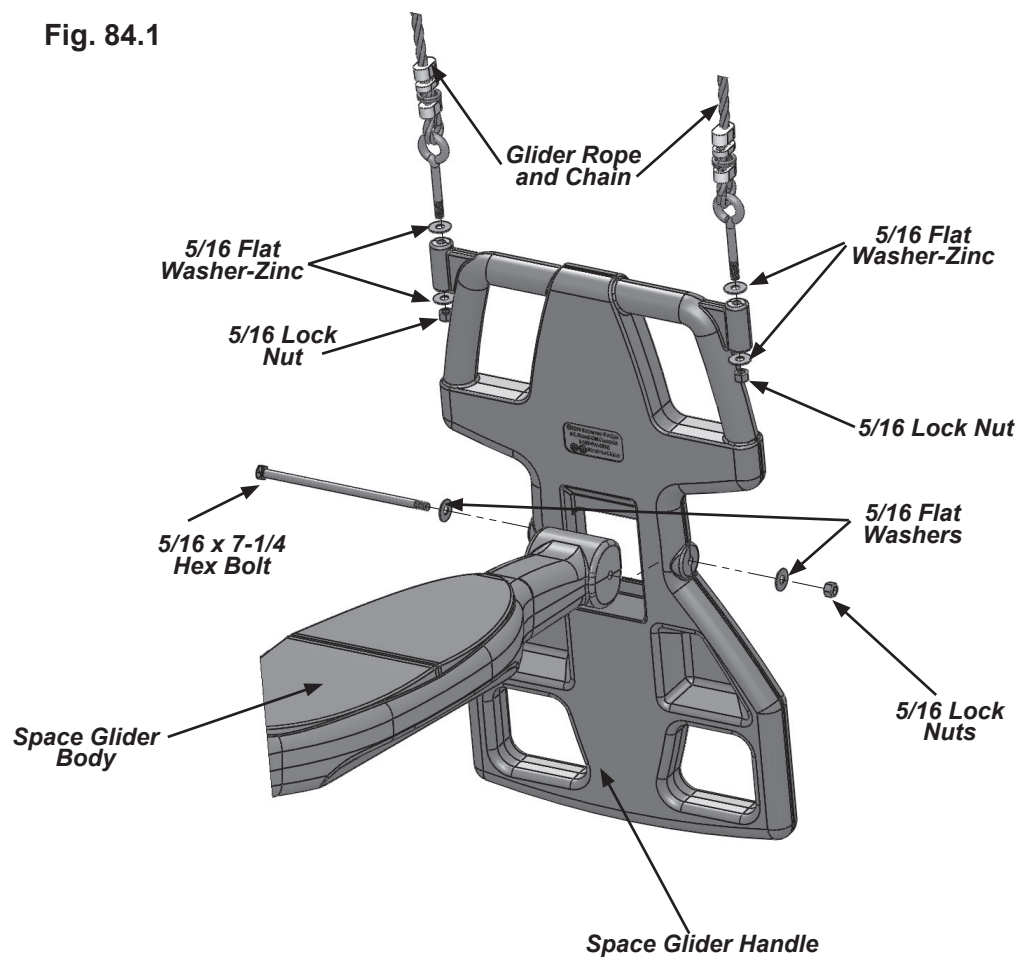
### Hardware

4 x **H1** 1/4 x 1-1/2" Hex Bolt  
(1/4" lock washer, 1/4" flat washer, 1/4" t-nut)

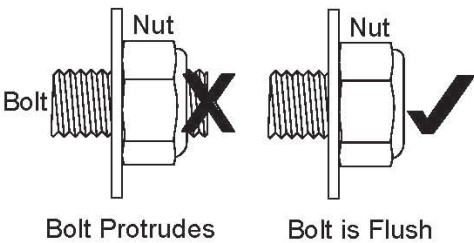
# Step 84: Glider Assembly

- A:** Attach 1 Space Glider Handle to the Space Glider Body using 1 (G25) 5/16 x 7-1/4" Hex Bolt (with 2 flat washers and 1 lock nut). Repeat for the second Space Glider Handle. (fig. 84.1)
- B:** Install 2 Glider Rope with Chains into each Space Glider Handle using 2 - 5/16" Flat Washers and 1 Lock Nut per rope. (fig. 84.1)


Fig. 84.1



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



### Hardware

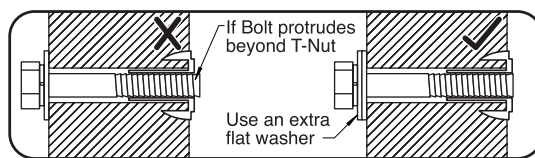
- 2 x  5/16 x 7-1/4" Hex Bolt (5/16" flat washer x 2, 5/16" lock nut)
- 8 x 5/16" Flat Washer
- 4 x 5/16" Lock Nut

### Other Parts

- 2 x Space Glider Handle
- 1 x Space Glider Body
- 1 x Glider Rope and Chain (pkg of 4)

## Step 85: Attach Belt Swings and Glider

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



**A:** Attach 2 Belt Swings and assembled Space Glider to the hangers then tighten all Quick Links with an adjustable wrench. (fig. 85.1 and 85.2)

Fig. 85.1

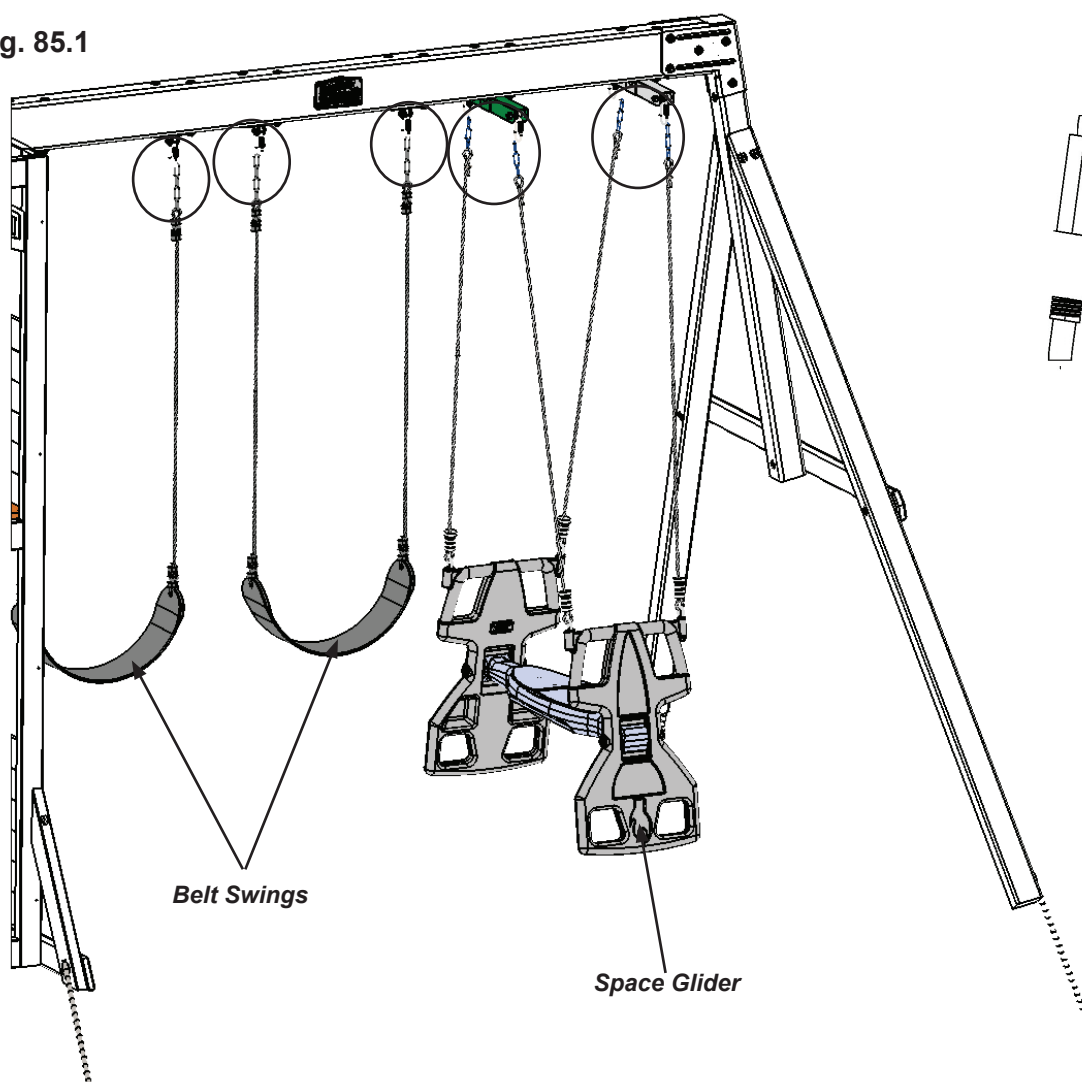
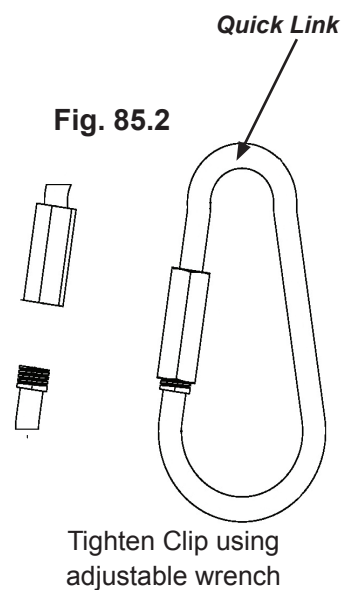


Fig. 85.2



**Other Parts**  
2 x Belt Swings

# Final Step: Attach I.D. Plaque

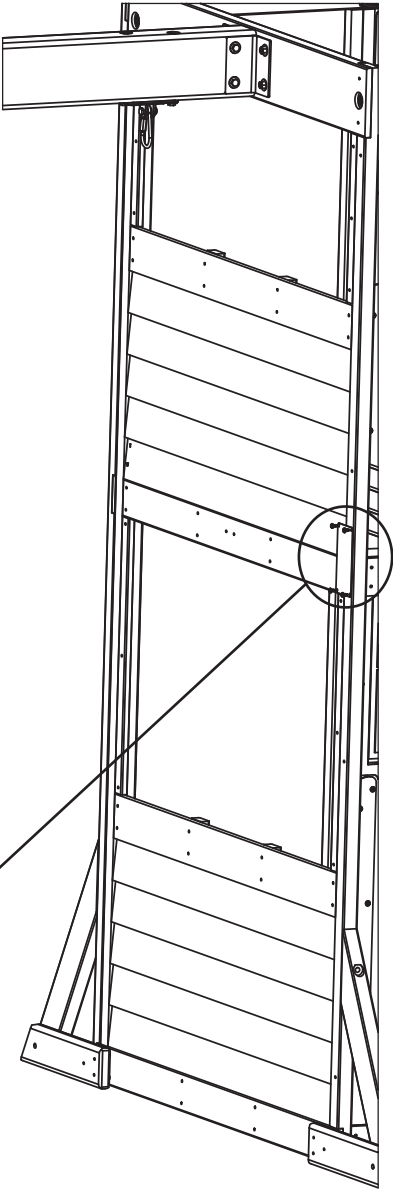
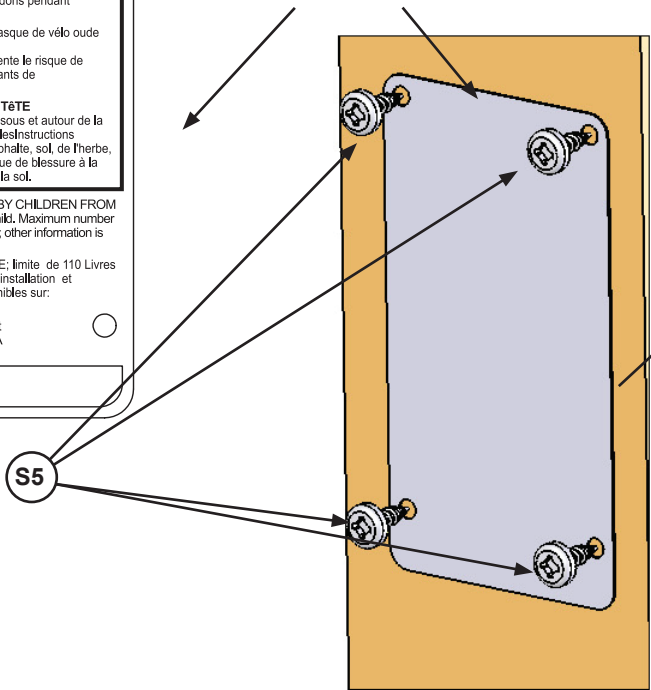
## ATTACH THIS WARNING & I.D. PLAQUE TO THIS LOCATION ON YOUR PLAY EQUIPMENT!

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



A: Attach KidKraft I.D. Plaque to a location on your set that is easily seen and read by a supervising adult using 4 (S5) #8 x 1/2" Pan Screws as shown below.

KidKraft I.D. Plaque



### Hardware

4 x (S5) #8 x 1/2" Pan Screw

### Other Parts

1 x KidKraft I.D. Plaque

[illegible]

[illegible]



[illegible]

## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

**KIDKRAFT**  
**Consumer Registration Card**

First Name

Initial

Last Name

--	--	--

Street

Apt. No.

--	--

City

State/Province

ZIP/Postal Code

--	--	--

Country

Telephone Number

--	--

E-Mail Address

--

Model Name

Model Number

(Box Labels)

--	--

Serial Number (on ID Plaque)

--

Date Purchase

Purchased From

--	--

MM / DD / YY

How would you rate this product for quality?

☐ Excellent

☐ Very Good

☐ Average

☐ Below Average

☐ Poor

How would you rate this product for ease of assembly?

☐ Excellent

☐ Very Good

☐ Average

☐ Below Average

☐ Poor

How would you rate our instructions?

☐ Excellent

☐ Very Good

☐ Average

☐ Below Average

☐ Poor

How would you rate the quality of packaging?

☐ Excellent

☐ Very Good

☐ Average

☐ Below Average

☐ Poor

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

☐ Yes

☐ No

Comments:

--



**MAIL TO:**  
KidKraft  
4630 Olin Road  
Dallas, TX 75244  
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Attention: Customer Service

Fill out your registration card online at  
<https://prdregistration.kidkraft.com/>

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

CUT ALONG LINE

