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.

FOR OBSTACLE FREE SAFETY ZONE AND MAXIMUM NUMBER OF USERS SEE - Fort Guides in Main Clubhouse and Swing or Add On C instructions. See Page 3 for Protective Surfacing requirements.

MAXIMUM VERTICAL FALL HEIGHT FOR ALL FORTS - 6'9" 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.

Falcon Ridge

Required:
- F24900 - Main Clubhouse and Swing
- A24908 - Add On B
- A24910 - Add On C
- A24911 - Add On M
- A24912 - High Rail Wave Slide x 2
- A24913 - TNR III Tube Slide

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Solowave Design
375 Sligo Rd. West, PO Box 10
Mount Forest, ON Canada N0G 2L0

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

9404930
Rev 10/30/2015
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.

<table>
<thead>
<tr>
<th>WARNING</th>
<th>STRANGULATION HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>SERIOUS HEAD INJURY HAZARD</td>
<td>• 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.</td>
</tr>
<tr>
<td>COLLISION HAZARD</td>
<td>• 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.</td>
</tr>
<tr>
<td>CHOKING HAZARD/SHARP EDGES &amp; POINTS</td>
<td>• NEVER allow children to wear bike or sport helmets when using this play-set.</td>
</tr>
<tr>
<td>WARNING LABEL</td>
<td>Failure to prohibit these items, even helmets with chin straps, increases the risk of serious injury and death to children from entanglement and strangulation.</td>
</tr>
</tbody>
</table>

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<tr>
<th>WARNING</th>
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<tbody>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>COLLISION HAZARD</td>
<td>Place play-set on level ground at least 6 feet from any obstruction such as a garage or house, fences, poles, trees, sidewalks, walls, landscape timbers, rocks, pavement, planters, garden Borders, overhanging branches, laundry lines, and electrical wires. (See OBSTACLE FREE SAFETY ZONE on cover)</td>
</tr>
<tr>
<td>CHOKING HAZARD/SHARP EDGES &amp; POINTS</td>
<td>Adult assembly required. This product contains small parts and parts with sharp edges and points. Keep parts away from children until fully assembled.</td>
</tr>
<tr>
<td>WARNING LABEL</td>
<td>Owners shall be responsible for maintaining the legibility of the warning labels.</td>
</tr>
</tbody>
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<td>• DO NOT 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.</td>
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<td>• DO NOT allow children to wear loose fitting clothing, ponchos, hoods, scarves, capes, necklaces, items with draw-strings, cords or ties when using this play-set.</td>
<td></td>
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<tr>
<td>• DO NOT allow children to wear open toe or heel footwear like sandals, flip-flops or clogs.</td>
<td></td>
</tr>
<tr>
<td>• DO NOT allow children to walk, in front, between, behind or close to moving rides.</td>
<td></td>
</tr>
<tr>
<td>• 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.</td>
<td></td>
</tr>
<tr>
<td>• DO NOT allow children to swing empty rides or seats.</td>
<td></td>
</tr>
</tbody>
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<tr>
<td>• 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.</td>
<td></td>
</tr>
<tr>
<td>• DO NOT allow children to go down slide head first or run up slide.</td>
<td></td>
</tr>
</tbody>
</table>
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 refliled 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.)**
- 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 Fort Guides. 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.

![Diagram](http://www.playgroundregs.com/resources/CPSC%20324.pdf)

From the CPSC Outdoor Home Playground Safety Handbook. At http://www.playgroundregs.com/resources/CPSC%20324.pdf
Instructions for Proper Maintenance

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

Check the following at the beginning of the play season:

**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.

**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.
- Applying a water repellent or stain (water-based) on a yearly basis is important maintenance to maintain maximum life and performance of the product.

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

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

1. **Checking** Checks are surface cracks in the wood along the grain. 4” x 4” material will experience more checking than 2”, 1-1/4” or 1” material because the surface and interior moisture content will vary more widely than in thinner wood.

2. **Warping** Warping refers to any distortion (twisting, cupping) from the true plane that may take place during weathering.

3. **Fading** Wood exposed to sunlight will over time turn a grey color.

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

What causes weathering?

One of the main reasons for weathering is the effects of water (moisture); the moisture content of the wood at the surface is different than the interior of the wood. As the moisture moves in or out of the wood (result of climate changes), the different moisture content causes tension in the wood, which can result in checking and or warping.

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

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

Will weathering affect the strength of my Play System?

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

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

5 Year Limited Warranty

Solowave Design warrants that this product is free from defect in materials and workmanship for a period of one year from the original date of purchase. In addition, lumber is warranted for 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. Failure by the owner to maintain the product according to the maintenance requirements may void this warranty. This warranty does not cover any inspection cost.

This Limited Warranty does not cover:

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

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

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

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

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

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

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

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.
For example:

**DIAMETER CONVERSION**

1 inch = 25.4mm

**LENGTH CONVERSION**

1 inch = 25.4mm
SOLO)WAVE DESIGN WOOD PROFILES

LENGTH CONVERSION

For example:
BOARD LENGTH 59¼ (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) [2664] - 1-1/4 x 4-7/8 x 7" - Mid Roof End - 3632684

3pc. - [2655] Upper Window Insert 1.27 x 18.8 x 35.86"
37632655

(2) [2677] Narrow Panel 1¼ x 22 x 87"
37632677

(1) [2671] Back Small Roof 1¼ x 22-9/16 x 33-3/8"
37632671

(2) [2802] Transom Window 1¼ x 19 x 43"
37632802

1pc. - [2672] Front Small Roof 1¼ x 22-9/16 x 33-5/8"
37632672

(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

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(2) [2802] Transom Window 1¼ x 19 x 43"
37632802

1pc. - [2672] Front Small Roof 1¼ x 22-9/16 x 33-5/8"
37632672

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)
Hardware Identification (Actual Size)  

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

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

2pc. TNT - 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 (Actual Part Size)

2pc. (H1) - Hex Bolt 1/4 x 2-3/4" - (53703223)

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)

Add On C Hardware

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

support@solowavedesign.com
Part Identification (Reduced Part Size) Box 1,2 of 6 (Main Clubhouse and Swing)

Nominal Size | Actual Size
--- | ---
5/4 x 5 | 15/16 x 4-1/4
5/4 x 6 | 15/16 x 5-1/4
2 x 2 | 1-1/2 x 1-1/2
1 x 4 | 5/8 x 3-3/8
1 x 6 | 5/8 x 5-3/8
1-1/4 x 2-1/4 | 1-1/4 x 2-1/4
1-1/4 x 3 | 1-1/4 x 3
4 x 4 | 3 x 3
4 x 6 | 3 x 5-1/4

1pc. - [2648] - 1 x 4 x 40-5/8" - Floor Board - Box 2 - 3632648
8pc. - [2609] - 1 x 5 x 5 - 40-5/8" - Floor Board - Box 2 - 3632609
2pc. - [2605] - 1 x 6 x 19-3/4" - Access Board - Box 2 - 3632605
2pc. - [2603] - 1 x 6 x 19-3/4" - Rock Board A - Box 2 - 3632603
2pc. - [2606] - 5/4 x 4 x 14-1/4" - SW Ground - Box 2 - 3632606
1pc. - [2611] - 5/4 x 5 x 39-5/8" - Table Top - Box 2 - 3632611
1pc. - [2612] - 2 x 2 x 39-5/8" - Table Support - Box 2 - 3632612
2pc. - [2610] - 2 x 2 x 40-1/4" - Side Joist - Box 2 - 3632610
4pc. - [2617] - 1-1/4 x 2-1/4 x 37-1/2" - Roof Support - Box 2 - 3632617
2pc. - [0349] - Rock Rail 2 x 3 x 51" - Box 1 - 3640349
1pc. - [2616] - 5/4 x 4 x 46-1/2" - SW Support - Box 1 - 3632616
2pc. - [2646] - 1-1/4 x 3 x 10" - Roof End - Box 2 - 3632646
2pc. - [2607] - 1-1/4 x 3 x 22" - Diagonal - Box 2 - 3632607
1pc. - [2602] - Upper Jamb 1-1/4 x 3 x 35-15/16" - Box 2 - 3632602
1pc. - [2601] - Lower Jamb 1-1/4 x 3 x 41-15/16" - Box 2 - 3632601
1pc. - [2608] - 1-1/4 x 3 x 40-3/4" - Floor Joist - Box 2 - 3632608
2pc. - [2613] - 2 x 3 x 86-11/16" - Heavy SW Post - Box 1 - 3632613
1pc. - [2615] - 4 x 4 x 50-15/16" - SW Upright - Box 1 - 3632615
1pc. - [2614] - 4 x 6 x 88" - Engineered Beam - Box 1 - 3632614
1pc. - Cafe Canopy Set (3754900)
1pc. - Frame (9200193)
1pc. - Canopy (9754900)
1pc. - Glider Hanger (2pk) (3200105)
1pc. - Big Backyard ID Plaque (3320356)
1pc. - Big Backyard Plaque (3320351)
1pc. - L Beam Brkt. (3200145) (2pk)
1pc. - Swing Hanger (4 Pk) (3200106)
1pc. - Jamb Mount (4 Pk) (3206302)
1pc. - Base Clock (9320124)
1pc. - Narrow Angle Bracket (3 Pk) (3200640)
2pc. - Space Glider Handle (3320177) Green
2pc. - Big Backyard Plaque (3320351)
1pc. - Space Glider Body (3320268) Yellow
2x - Long Belt Swing (3724939) Yellow
2pc. - Space Glider Handle (3320177) Green
1pc. - Clock Subset (3320329)
1pc. - Rocks (5pk) (3320386)
1x - Clock Sub Set (3320329)
1pc - Rebar Ground Stake (6 Pk) (3200318)
2pc. - Clock Block 3/4 x 1-3/4 x 9-3/4" - Box 2 - 3632717
3pc. - [2604] - 1 x 6 x 19-3/4" - Rock Board B - Box 2 - 3632604
2pc. - [2717] - Clock Block 3/4 x 1-3/4 x 9-3/4" - Box 2 - 3632717
1pc. - [2658] - 2-13/32 x 6-3/4 x 34" - Folding Bench - Box 2 - 37632658
1x - Bracket Set (3206303)
1x - Narrow Angle Bracket (3 Pk) (3200640)
1x - Big Backyard Plaque (3320351)
1x - Rock Rail 2 x 3 x 51" - Box 1 - 3640349
2pc. - [2647] - 1-1/4 x 3 x 10" - Roof End Left - Box 2 - 3632647
2pc. - Glen Rock (3320386)
2pc. - [2605] - 1-1/4 x 2-1/4 x 37-1/2" - Roof Support - Box 2 - 3632617
1pc. - Clock Base (3320269) Yellow
Part Identification (Reduced Part Size) (Main Clubhouse and Swing)

2pc. - [2618] Front Back Panel 1¼ x 42 x 87"
Box 2 - 37632618

1pc. - [2627] SW Wall Panel 1¼ x 42 x 87"
Box 2 - 37632627

1pc. - [2639] Back Roof Panel 1¼ x 36¾ x 44"
Box 2 - 37632639

1pc. - [2644] Front Roof Panel 1¼ x 37 x 44"
Box 2 - 37632644

1pc. - [2655] Upper Window Insert 1.27 x 18.8 x 35.86"
Box 2 - 37632655

1pc. - [2656] Short Half Wall 1.27 x 18.8 x 20-15/16"
Box 2 - 37632656A

1pc. - [2665] Half Wall Insert 1.4 x 20¼ x 38.8"
Box 2 - 37632665

1pc. - [2672] End Panel Assembly 1¼ x 42 x 87"
Box 2 - 37632672

1pc. - [2677] MOD 3 Pane Transom (2Pkt)
Box 1 - 33201378

2pc. - [2684] Lower Window Insert 1.27 x 18.8 x 41.91"
Box 2 - 37632684
## Hardware Identification (Actual Size) (Main Clubhouse and Swing)

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<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
<th>Quantity</th>
<th>Identification Code</th>
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<tr>
<td><strong>LW2</strong></td>
<td>5/16&quot; Lock Washer</td>
<td>5pc.</td>
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<tr>
<td><strong>FW0</strong></td>
<td>3/16&quot; Flat Washer</td>
<td>5pc.</td>
<td>(51103100)</td>
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<tr>
<td><strong>TN1</strong></td>
<td>1/4&quot; T - Nut</td>
<td>10pc.</td>
<td>(54503200)</td>
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<td><strong>LN2</strong></td>
<td>5/16&quot; Lock Nut</td>
<td>29pc.</td>
<td>(54303300)</td>
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<tr>
<td><strong>FW2</strong></td>
<td>5/16&quot; Flat Washer</td>
<td>66pc.</td>
<td>(51103300)</td>
</tr>
<tr>
<td><strong>BNT</strong></td>
<td>1/4&quot; Barrel Nut</td>
<td>5pc.</td>
<td>(54803200)</td>
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<tr>
<td><strong>FW3</strong></td>
<td>#8 Flat Washer</td>
<td>8pc.</td>
<td>(51003500)</td>
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<tr>
<td><strong>PB2</strong></td>
<td>Pan Bolt 1/4 x 1-1/4&quot;</td>
<td>5pc.</td>
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<td><strong>S0</strong></td>
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<td><strong>S5</strong></td>
<td>Pan Screw #8 x 1/2&quot;</td>
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<td><strong>S10</strong></td>
<td>Pan Screw #8 x 1&quot;</td>
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<tr>
<td><strong>S6</strong></td>
<td>Pan Screw #12 x 1&quot;</td>
<td>2pc.</td>
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<td><strong>S7</strong></td>
<td>Pan Screw #12 x 2&quot;</td>
<td>13pc.</td>
<td>(52433620)</td>
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<td><strong>S18</strong></td>
<td>Wood Screw #6 x 1&quot;</td>
<td>4pc.</td>
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<td><strong>S2</strong></td>
<td>Wood Screw #8 x 1-1/2&quot;</td>
<td>77pc.</td>
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<td><strong>S11</strong></td>
<td>Wood Screw #8 x 2&quot;</td>
<td>28pc.</td>
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<td><strong>S3</strong></td>
<td>Wood Screw #8 x 2-1/2&quot;</td>
<td>14pc.</td>
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<td><strong>S4</strong></td>
<td>Wood Screw #8 x 3&quot;</td>
<td>12pc.</td>
<td>(52043530)</td>
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Hardware Identification (Actual Size) Box 1,2 of 6 (Main Clubhouse and Swing)

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

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)

16pc. (WL5) - Wafer Lag 1/4 x 2-1/2" - (52613222)
Step 1: Inventory Parts - Read This Before Starting Assembly

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

- The wood pieces will have the four digit key number stamped on the ends of the boards. The wood pieces are referenced throughout the instructions with this number.
- Please refer to Page 6 for proper hardware assembly.
- Each step indicates which bolts and/or screws you will need for assembly, as well as any flat washers, lock washers, t-nuts or lock nuts.

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

1-877-966-3738
support@solowavedesign.com

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

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

- The carton I.D. stamp is located on the end of each carton. The tracking number is located on the Big Backyard ID Plaque (3320356).

- Please retain this information for future reference. You will need this information if you contact the Consumer Relations Department.

<table>
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<tbody>
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<tr>
<td>CARTON I.D. STAMP: ___ ___ ___ ___ 14459 ___ (Box 2)</td>
</tr>
<tr>
<td>CARTON I.D. STAMP: ___ ___ ___ ___ 14459 ___ (Box 3)</td>
</tr>
</tbody>
</table>

TRACKING NUMBER (from ID Plaque): ________________________________
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. 2.2
Swing Side

Fig. 2.3
Back

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)

**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)
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)

**Fig. 3.3**

**Fig. 3.4**

**Wood Parts**
2 x 2608 Floor Joist 1-1/4 x 3 x 40-3/4"

**Hardware**
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 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 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)

---

**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)

**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. 3.9

Fig. 3.10
Inside View

Hardware
32 x S8 #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)

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
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)

**Fig. 4.4**
Top View

**Fig. 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

<table>
<thead>
<tr>
<th>Wood Parts</th>
<th>Hardware</th>
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<tbody>
<tr>
<td>2 x 2606 SW Ground 5/4 x 4 x 14-1/4”</td>
<td>2 x H10 1/4 x 2-1/4” Hex Bolt (1/4” lock washer, 1/4” flat washer, 1/4” t-nut)</td>
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<tr>
<td>2 x 2607 Diagonal 1-1/4 x 3 x 22”</td>
<td>2 x LS3 1/4 x 3” Lag Screw (1/4” flat washer)</td>
</tr>
<tr>
<td></td>
<td>2 x S4 #8 x 3” Wood Screw</td>
</tr>
<tr>
<td></td>
<td>4 x S11 #8 x 2” Wood Screw</td>
</tr>
</tbody>
</table>
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 Big Backyard 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**

Fort End

- Swing Hanger x 4
- 2614:
- 5/16” Lock Nut
- 5/16” Flat Washer
- Glider Hanger
- 5/16” Flat Washer

**Fig. 6.2**

Fort End

- L-Beam Bracket
- 2614
- 5/16” Flat Washer
- G21

**Fig. 6.3**

- 5/16” T-Nut
- WB7

**Fig. 6.4**

- Big Backyard Plaque

---

<table>
<thead>
<tr>
<th>Wood Parts</th>
<th>Hardware</th>
<th>Other Parts</th>
</tr>
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<tbody>
<tr>
<td>1 x [2614] Engineered Beam 4 x 6 x 88”</td>
<td>12 x G7 5/16 x 5-1/2” Hex Bolt (5/16” flat washer x 2, 5/16” lock nut)</td>
<td>4 x Swing Hangers</td>
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<tr>
<td>2 x G21 5/16 x 3-3/4” Hex Bolt (5/16” flat washer x 2, 5/16” lock nut)</td>
<td>2 x G7 5/16 x 3” Wafer Bolt (5/16” flat washer &amp; 5/16” t-nut)</td>
<td>2 x Glider Hanger</td>
</tr>
<tr>
<td>1 x WB7 5/16 x 3” Wafer Bolt (5/16” flat washer)</td>
<td>4 x #6 x 1” Wood Screw</td>
<td>2 x L-Beam Bracket</td>
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<tr>
<td>4 x S18 #6 x 1” Wood Screw</td>
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<td>1 x Big Backyard Plaque</td>
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</tbody>
</table>
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

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<td>2615</td>
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Hardware

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<td>5/16 x 5-1/2” (5/16” lock washer, 5/16” flat washer, 5/16” t-nut)</td>
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<tr>
<td>Hex Bolt G4</td>
<td>3 x</td>
<td>5/16 x 4” (5/16” lock washer, 5/16” flat washer, 5/16” t-nut)</td>
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<tr>
<td>Wafer Bolt WB7</td>
<td>2 x</td>
<td>5/16 x 3” (5/16” flat washer &amp; 5/16” t-nut)</td>
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</table>
**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 (G21) 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)
**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)
**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

---

**SEE FORT GUIDE SHEETS FOR SAFETY CLEARANCE**
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 9-5/8” to the inside of the right 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).
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)
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 openings of (2622) End Panel Assembly install 1 (8935) Lower SL Insert with 4 (S0) #8 x 7/8” Truss Screws and 1 MOD Side Lite with 14 (S0) #8 x 7/8” Truss Screws. (fig. 12.5, 12.6 and 12.8)
Step 12: Install Window and Wall Inserts
Part 3 - Back Wall

E: On the Back of the assembly, install 2 (649A) Short Half Walls in the lower opening of each (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"
2 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. 13.2**

**Fig. 13.3**
Outside View

**Fig. 13.4**
Inside View

<table>
<thead>
<tr>
<th>Wood Parts</th>
<th>Hardware</th>
<th>Other Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x [2717] Clock Block 3/4 x 1-3/4 x 9-3/4&quot;</td>
<td>4 x [S2] #8 x 1-1/2&quot; Wood Screw</td>
<td>1 x Base Clock</td>
</tr>
<tr>
<td>1 x Clock Subset</td>
<td>1 x Clock Adapter</td>
<td>1 x Hour Hand</td>
</tr>
</tbody>
</table>
| 1 x Minute Hand | 1 x Clock Screw | }
Step 14: Rock Wall Assembly

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.

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 62 #8 x 1-1/2” Wood Screw
- 5 x 609 #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)

---

**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](image1.png)

![Fig. 15.5](image2.png)

**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**

<table>
<thead>
<tr>
<th>Wood Parts</th>
<th>Hardware</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 2612 Table Support 2 x 2 x 39-5/8”</td>
<td>4 x S7 #12 x 2” Pan Screw</td>
</tr>
<tr>
<td>1 x 2611 Table Top 5/4 x 5 x 39-5/8”</td>
<td>2 x S3 #8 x 2-1/2” Wood Screw</td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Other Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 x #8 x 1/2&quot; Pan Screw (w/#8 flat washer)</td>
<td>1 x Cafe Canopy Frame</td>
</tr>
<tr>
<td>2 x #12 x 1&quot; Pan Screw</td>
<td>1 x Cafe Canopy</td>
</tr>
</tbody>
</table>
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

**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**

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Other Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 x S7 #12 x 2” Pan Screw</td>
<td>2 x Slide</td>
</tr>
</tbody>
</table>
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**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Item Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2687</td>
<td>Counter Back 1 x 4 x 40-5/8”</td>
</tr>
<tr>
<td>4</td>
<td>5736</td>
<td>Counter Joist 1 x 2 x 8-1/4”</td>
</tr>
</tbody>
</table>

**Hardware**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Item Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>#8</td>
<td>#8 x 1-1/2” Wood Screw</td>
</tr>
</tbody>
</table>
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)

**Fig. 20.2**
Outside View

**Fig. 20.3**
Inside View

<table>
<thead>
<tr>
<th>Hardware</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5 x</strong> #8 x 1-1/2&quot; Wood Screw</td>
</tr>
</tbody>
</table>
**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**

<table>
<thead>
<tr>
<th>Wood Parts</th>
<th>Hardware</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x 6136 Counter Brace 1 x 2 x 12-9/16”</td>
<td>4 x S3 #8 x 2-1/2” Wood Screw</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Wood Parts</th>
<th>Hardware</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 2686 Counter Front 5/8 x 2-3/4 x 40-5/8”</td>
<td>4 x S2 #8 x 1-1/2” Wood Screw</td>
</tr>
</tbody>
</table>
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**

![Diagram showing faucet, sink knob, sink, and included hardware]

**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.

Fig. 20.10

Fig. 20.11

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**

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. 21.2**

**Fig. 21.3**

---

**Hardware**

- 2 x \#8 x 1/2” Pan Screw

**Other Parts**

- 1 x Utensil Shelf
- 1 x Pot
- 1 x Pan
- 1 x Spatula
Step 22: 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. 22.1)

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. 22.1)

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)
At this point use the assembly instructions from Add On B and the fort guide to assemble the Door.

After the Door has been installed use the instructions from the TNR III Tube Slide box to assemble and install the slide.

Continue on to Step 23 after the Door and TNR III Tube Slide are complete.
Step 23: 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. 23.1)

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. 23.2)

Wood Parts
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"

Hardware
4 x S4 #8 x 3” Wood Screw
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. 24.1 and 24.2)

B: Attach the third Narrow Angle Bracket centred on the middle slat with 2 (S0) #8 x 7/8” Truss Screws. (fig. 24.1 and 24.3)
Step 24: 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. 24.4)

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. 24.4)

Figure 24.4

Hardware

12 x (S11) #8 x 2” Wood Screw
Step 25: 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. 25.1 and 25.2)

**Fig. 25.1**

**Fig. 25.2**

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Other Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 x S5 #8 x 1/2&quot; Pan Screw</td>
<td>2 x Sky Gable</td>
</tr>
</tbody>
</table>
Step 26: 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. 26.1)

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. 26.1)

C: Attach 1 Sky Gable to the inside of the (2680) Roof Supports with 4 (S5) #8 x 1/2" Pan Screws. (fig. 26.2)

D: Repeat Steps A-C to create a second Small Roof Assembly.

Fig. 26.1

Fig. 26.2

**Wood Parts**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x</td>
<td>2672</td>
<td>Front Small Roof 1-1/4 x 22-9/16 x 33-5/8&quot;</td>
</tr>
<tr>
<td>2 x</td>
<td>2671</td>
<td>Back Small Roof 1-1/4 x 22-9/16 x 33-3/8&quot;</td>
</tr>
</tbody>
</table>

**Hardware**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 x</td>
<td>S11</td>
<td>#8 x 2&quot; Wood Screw</td>
</tr>
<tr>
<td>8 x</td>
<td>S0</td>
<td>#8 x 7/8&quot; Truss Screw</td>
</tr>
<tr>
<td>8 x</td>
<td>S5</td>
<td>#8 x 1/2&quot; Pan Screw</td>
</tr>
</tbody>
</table>

**Other Parts**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 x</td>
<td></td>
<td>Narrow Angle Bracket</td>
</tr>
<tr>
<td>2 x</td>
<td></td>
<td>Sky Gable</td>
</tr>
</tbody>
</table>
Step 27: 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. 27.1)

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. 27.1 and 27.2)

### Fig. 27.1

![Diagram of Gable Dormer Assembly](image)

### Fig. 27.2

![Diagram of Gable Dormer Assembly](image)

### Wood Parts

<table>
<thead>
<tr>
<th>Part</th>
<th>Quantity</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gable Dormer RT</td>
<td>1</td>
<td>1-1/4 x 14.6 x 22”</td>
</tr>
<tr>
<td>Gable Dormer LT</td>
<td>1</td>
<td>1-1/4 x 14.6 x 22”</td>
</tr>
</tbody>
</table>

### Hardware

<table>
<thead>
<tr>
<th>Hardware Description</th>
<th>Quantity</th>
<th>Screw Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gable Dormer RT</td>
<td>6</td>
<td>#8 x 1/2” Pan Screw</td>
</tr>
</tbody>
</table>

### Other Parts

- 1 x Narrow Angle Bracket
- 1 x Sky Gable
Step 28: 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. 28.1)

**B:** Place completed Gable Dormer Assembly over (2688) Dormer Cleat and attach with 2 (S11) #8 x 2" Wood Screws (fig. 28.2 and 28.3)

---

**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 29: 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. 29.1, 29.2 and 29.3)

**B:** Repeat Step A for 2 (2647) Roof End Lefts. (fig. 29.1, 29.2 and 29.3)

---

**Fig. 29.1**

Swing Wall

- **Fig. 29.2**
  **Side View**
  - S11
  - 2647
  - Flush

- **2-5/8” Overhang**
  - 2622

**Fig. 29.3**

Top View

- S11
- 2646
- 2622

---

**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 29: 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. 29.4 and 29.5)

**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. 29.4 and 29.6)

---

**Fig. 29.4**

Swing Wall

Back

Left Side

**Fig. 29.5**

Back

Front

**Fig. 29.6**

Front

---

**Wood Parts**

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

---

**Hardware**

4 x [S4] #8 x 2-1/2" Wood Screw

4 x [S3] #8 x 3" Wood Screw
Step 30: 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. 30.1 and 30.2)

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. 30.1, 30.3 and 30.4)

Fig. 30.1  Back

Fig. 30.2  Inside View

Fig. 30.3  Outside View

Fig. 30.4  Inside View

Wood Parts

<table>
<thead>
<tr>
<th>Part</th>
<th>Quantity</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2683</td>
<td>2</td>
<td>5/4 x 3 x 62-5/8”</td>
</tr>
<tr>
<td>2618</td>
<td>2</td>
<td>Transom Window 1-1/4 x 19 x 43”</td>
</tr>
</tbody>
</table>

Hardware

<table>
<thead>
<tr>
<th>Part</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S11</td>
<td>12</td>
<td>#8 x 2” Wood Screw</td>
</tr>
</tbody>
</table>
Step 31: 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. 31.1 and 31.2)

**Wood Parts**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 x</td>
<td>2788</td>
<td>Mid Roof Support 1-1/4 x 2-1/2 x 37-1/8”</td>
</tr>
</tbody>
</table>

**Hardware**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x</td>
<td>S4</td>
<td>#8 x 3” Wood Screw</td>
</tr>
</tbody>
</table>
Step 32: 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. 32.1 and 32.2)

Fig. 32.1

Fig. 32.2

Hardware

4 x #8 x 2-1/2" Wood Screw
4 x #8 x 3" Wood Screw
Step 33: 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. 33.1 and 33.2)

Fig. 33.1

Fig. 33.2

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 34: 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. 34.1 and 34.2)

**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. 34.1 and 34.2)

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

---

Fig. 34.1

Fig. 34.2

**Wood Parts**
- 4 x Transom Board A 1 x 5 x 15-1/2”
- 4 x Transom Board B 1 x 6 x 11”

**Hardware**
- 32 x  S2 #8 x 1-1/2” Wood Screw
Step 35: 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. 35.1 and 35.2)

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. 35.2)

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

Fig. 35.1

Fig. 35.2

Hardware

12 x #8 x 1-1/2" Wood Screw
Step 35: 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. 35.3 and 35.4)

Fig. 35.3

Fig. 35.4

Hardware

4 x 43 #8 x 2-1/2" Wood Screw
Step 35: 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. 35.5 and 35.6)

**F:** Attach (2617) Roof Supports to each (2793) Long Roof End with 1 (S3) #8 x 2-1/2” Wood Screw per support. (fig.35.5 and 35.6)

**Hardware**

4 x (S3) #8 x 2-1/2” Wood Screw
Step 35: Attach Roof Assemblies to Fort

**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. 35.7 and 35.8)

---

**Fig. 35.7**

**Fig. 35.8**

**Inside View**

- Middle Roof Rafter
- Spiral Wave Bracket
- 2683
- S8

**Hardware**

- 6 x 6 #12 x 3/4" Pan Screw

**Other Parts**

- 2 x Spiral Wave Bracket
Step 36: 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. 36.1)
Step 37: Bench Assembly

A: Open the (2658) Folding Bench Assembly. (fig. 37.1, 37.2 and 37.3)

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. 37.4)

C: Tighten the top screws in all 4 Bench Legs. (fig. 37.4)

### 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)
A: Attach 2 Belt Swings and assembled Space Glider to the hangers then tighten all Quick Links with an adjustable wrench. (fig. 38.1 and 38.2)

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

Fig. 38.1

- **Belt Swings**
- **Space Glider**

Fig. 38.2

- **Quick Link**

**Other Parts**

- 2 x Belt Swings
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 Big Backyard 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.

---

### Hardware

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

### Other Parts

- 1 x Big Backyard I.D. Plaque
Fort Guide: Falcon Ridge

Front Installation

MOD 3-Pane Transom
Clock Set Position
Slide Position
Door Assembly

TNR III Tube Slide instructions are in A24913

Left Side Installation

MOD Side Lite
TNR III Tube Slide Position

Door Assembly instructions are in the Add-On B box (A24908)
Fort Guide: Falcon Ridge

Back Installation

Swing Wall and Roof Installation

Maximum Number of Users: 13
BIG BACKYARD
Consumer Registration Card

First Name

Initial

Last Name

Street

Apt. No.

City

State/Province

ZIP/Postal Code

Country

Telephone Number

E-Mail Address

Model Name

Model Number

(Box Labels)

Serial Number (on ID Plaque)

Date Purchase

Purchased From

MM / DD / YY

How would you rate this product for quality?
☐ Excellent
☐ Very Good
☐ Average
☐ Below Average
☐ Poor

How would you rate this product for ease of assembly?
☐ Excellent
☐ Very Good
☐ Average
☐ Below Average
☐ Poor

How would you rate our instructions?
☐ Excellent
☐ Very Good
☐ Average
☐ Below Average
☐ Poor

How would you rate the quality of packaging?
☐ Excellent
☐ Very Good
☐ Average
☐ Below Average
☐ Poor

Would you recommend the purchase of our products to friends and family?
☐ Yes
☐ No

Comments:

MAIL TO:
Solowave Design™
375 Sligo Road W.
Mount Forest, Ontario, Canada
N0G 2L0
Attention: Customer Service

Fill out your registration card online at www.bigbackyard.com/ownerslounge

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